

PORSCHE

Application for Certification: Initial Part 1

Model Year: 2026

Durability Group: TPRXEEVNNEMT

Test Group: TPRXT00.0EMT

Evaporative/Refueling Family(ies): Not Applicable

Certification Summary Information Report Number(s): CSI-TPRXT00.0EMT

Durability Group Description: Chemistry: Lithium-Ion
Capacity: 151 Amp-hours
Battery Manufacturer: DFS Dräxlmaier

Test Group Description: Battery Electric Vehicle

Applicable Standards: EPA Exhaust: Tier 3 Bin Zero
CARB Exhaust: ZEV

Carlines Covered:

Macan 4 Electric Macan GTS Electric Macan 4S Electric Macan Turbo Electric		
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Vehicles Tested: See Section 6

EPA Response Requested By: December 1, 2025

Special Instructions: N/A

For Questions Contact: emissions@porsche.us

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Section 1~Correspondence and Communications

Please mail official
correspondence to:

Regulatory Affairs
Porsche Cars North America, Inc.
One Porsche Drive
Atlanta, Georgia 30354
E-mail: emissions@porsche.us

Section 2~Durability Group Description

Durability Group Name:	TPRXEEVNNEMT
Combustion Cycle:	Dedicated Electric
Engine Type:	Electric Motor
Fuel Used:	Power Grid Electricity

Porsche expects equivalent durability characteristics for all models of this test group.

Section 3~Evaporative / Refueling Family Description

Evaporative/Refueling Families

Battery-Electric Vehicles. There is no combustion engine, no fuel cell, no fuel-fired heater, and no evaporative system.

Section 4~Durability Procedure Description

Exhaust / Evaporative Deterioration

These are Battery-Electric Vehicles. There is no combustion engine, no fuel cell, no fuel-fired heater, and no evaporative system.

Section 5~Test Group Description

Durability Group Name:	TPRXEEVNNEMT
Test Group Name:	TPRXT00.0EMT
Certification Summary Information Reports:	CSI-TPRXT00.0EMT
Electric Motor Type:	AC Permanent Magnet, Synchronous
Electric Motor Size (HP):	See Section 12 (maximum system power: 576)
Electric Motor Voltage:	430-820
Battery Type:	Lithium-Ion
Battery Usable Capacity (A-h):	See Section 12 (maximum capacity: 151)
Battery Nominal Voltage (V)	661
Battery Voltage (V, minimum to maximum):	504-756
Vehicle Classes:	LDT (Light Duty Truck)
NLEV Participation:	No
Emissions Standards Class:	Federal: Tier 3 Bin Zero California ZEV
Applicable Emissions Standards:	Please refer to the Certification Summary Information Report in Section 7

Section 6~Test Vehicle Description

6.01>> Test Vehicles

	Test Vehicle ID - Configuration #	Model Type	Vehicle / Config Purpose
Certification Test Vehicles:	ECFE-XABT-26-0	Macan Turbo Electric	Range / Energy
	ECFE-XABT-26-1	Macan Turbo Electric	
	ECFE-XABT-26-2	Macan Turbo Electric	
	ECFE-XABT-26-3	Macan GTS Electric	
	ECFE-XABT-26-4	Macan GTS Electric	
	ECFE-XABS-26-0	Macan 4S Electric	
	ECFE-XABS-26-1	Macan 4S Electric	
	ECFE-XABS-26-2	Macan 4S Electric	
	ECFE-XAB4-26-0	Macan 4 Electric	
	ECFE-XAB4-26-1	Macan 4 Electric	
	ECFE-XAB4-26-2	Macan 4 Electric	

Note: In this test group every model type is a test configuration. See Section 12 for vehicle specifications.

Test vehicles' break-in mileage is done according mileage accumulation requirements per 40 CFR 86.1831.01.

Note: blank cells or tables are intentionally blank

Section 6~Test Vehicle Description

6.02>> Test Parameters, Instructions

Carlines		Macan Electric	
Engine Starting Procedures		1) With key fob inside car, close the doors 2) Do not press ignition button (left side of steering column) 3) Deactivate Park Distance Control, A/C system, and Center Display 4) Leave all other selectable modes in default 5) Depress brake pedal 6) Set gear selector to Position "D" 7) "READY" will appear on cluster, above speed indicator 8) Driving can commence 9) At conclusion of drive cycle, set gear selector to "P" 10) Exit vehicle, making sure key fob stays at least 10 feet from vehicle	
Transmission Shift Schedules, Mode	Transmission 1st to 2nd 2nd to 3rd 3rd to 4th 4th to 5th 5th to 6th 6th to 7th 7th to 8th SS II.D.	A1 N/A N/A N/A N/A N/A N/A N/A FTP – FTA; HWFE - HWA	
	Transmission Mode	Transmission cannot be shifted manually; leave driving mode in default (no "Sport" or "Sport +")	
Selectable modes	Other (Sport, Wet, etc.)	All selectable modes to be left in default positions.	
Other	Cooling fan	One road-speed fan, centered upright, front of vehicle	
	Body apertures	Leave all apertures closed	
	Drive Mode	All models are AWD, requiring AWD dynamometer	
	Test lab considerations	Porsche can supply instructions separately for E-Brake, Dyno Mode, and Soak Area	

Note: blank cells or tables are intentionally blank

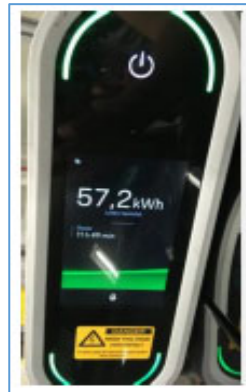
Section 6~Test Vehicle Description

6.02.02>< Battery Charge Procedures

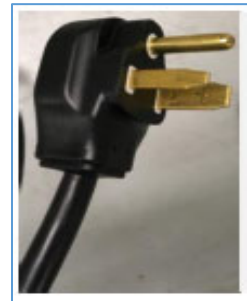
Vehicle Charging Procedures	1) Mobile Charger (standard retail equipment) is supplied with test vehicle(s) 2) Charger input is 208-240V AC, NEMA 14-50 plug (also 110V, NEMA 5-15) 3) Use vehicle left or right side charging port; ports accessible by "press to open" action ** 4) Mobile Charger Connect has touch-screen display; used to monitor charge energy, charging time, and status 5) While charging, lock the car with the fob and place fob at least 10 feet from the vehicle 6) At end Charger displays "Charging Finished", or "Ladevorgang geschlossen" in German version 7) Charge energy and charge status also appear on the center console display 8) Reverse order to complete charging sequence
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"Mobile Charger Connect"



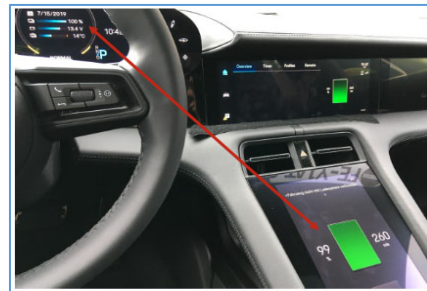
Mobile Charger Connect -- display / touch screen



NEMA 14-50 plug



Charger socket access on vehicle



Use center console display for greatest accuracy *

** Optionally, if so equipped, charge door is opened with a hand wave under the door.

Note: "Mobile Charger Plus" (not shown) may also be supplied. Same as Connect but with simple LEDs, no touch screen.

* State-of-Charge (SOC) is calculated using the integral of current sensor output and calibrated with cell voltage sensors.

Note: optional "19.2 kW On-Board Charger" may accompany production vehicles; instructions for this charger can be supplied.

Macan Electric supports DC fast charging up to a maximum of 250 KW

Section 6~Test Vehicle Description

6.02.03>< Vehicle Handling and Voltage / Current Measurement Procedures

Note: These instructions apply to certification vehicles only. Voltage and current analysis on production vehicles can only be accomplished via control unit communications. Instructions on the following pages.

Section 6~Test Vehicle Description

6.02.04>< Description of the Climate Control System

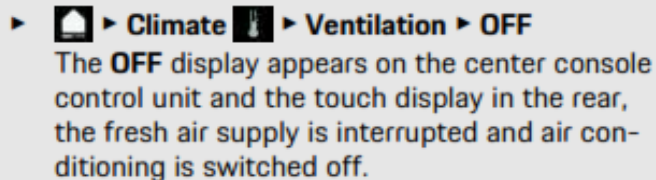
Overview:

1. Models are equipped with a cabin climate control system.
2. Climate control systems use R1234yf refrigerant.
3. If the high-voltage battery charge is less than 10%, A/C functions will first be restricted, then turned off, automatically.
4. Interior cooling switches off automatically and cannot be turned on at temperatures below 36 F (2 C).
5. The system has an "ECO" mode that switches off rear air conditioning and reduces the interior comfort level in favor of increased range, and limits other air conditioning functions in order to optimize energy consumption.
6. Cabin pre-heating and pre-cooling is possible, if the high voltage battery is charged 25% or higher, and the vehicle is switched off.
7. Porsche does NOT offer a fuel-fired heater for any of its products.

Operation:

1. Switching off the vehicle's climate control system:

Central display



2. Selecting ECO mode:

Central display



Section 6~Test Vehicle Description

6.02.05>< BEV Proper and Safe Operation

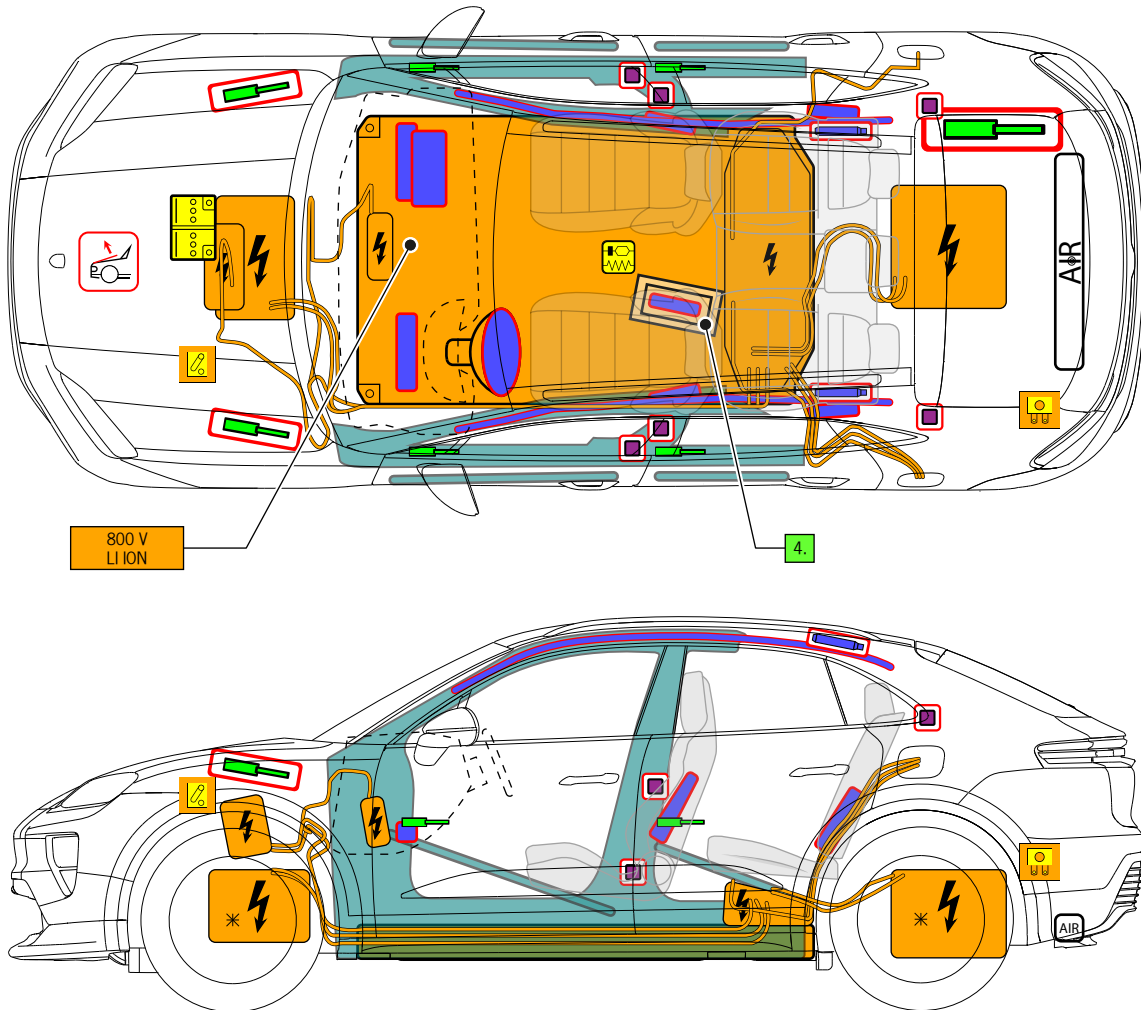
Porsche supplies the following safety recommendations, warnings, and special precautions for rescue personnel such as tow truck operators and first responders. These pages are available via Porsche-operated websites (<https://www.porsche.com/usa/accessoriesandservices/porscheservice/vehicleinformation/emergencyresponders/>). Additionally, safe handling and shop personnel protection procedures are detailed in existing Porsche technician training documentation. This documentation can be supplied upon request.



Porsche AG, Macan H2 SUV, as from model year 2023



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Note: The maximum possible equipment is shown.

	Airbag		Stored gas inflator		Seat belt pretensioner		SRS control unit		Pedestrian protection active system
			Gas strut / Preloaded spring		High strength zone		Zone requiring special attention		
	Battery low voltage		High-voltage battery		High-voltage power cable		Low voltage device that disconnects high voltage		Fuse box disabling high voltage
	Air tank		High voltage component						



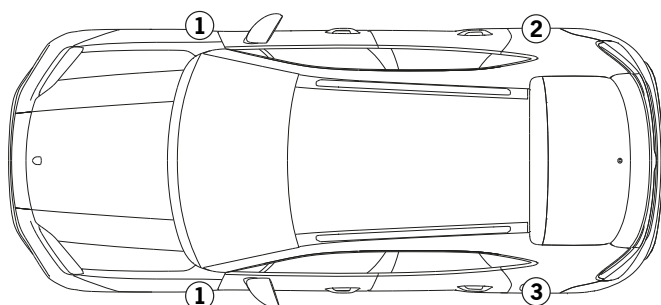
Porsche AG, Macan H2 SUV, as from model year 2023

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1. Identification / recognition



The lack of engine noise does not mean that the vehicle is turned off.
Restart is possible until the vehicle is decommissioned.



Equipment-dependent



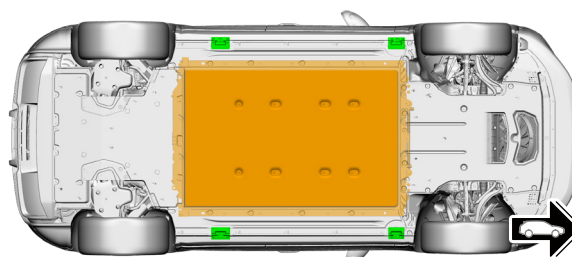
2. Immobilization / stabilisation / lifting

Immobilizing the vehicle

Actuate electric parking brake



Lifting points

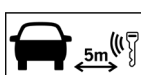
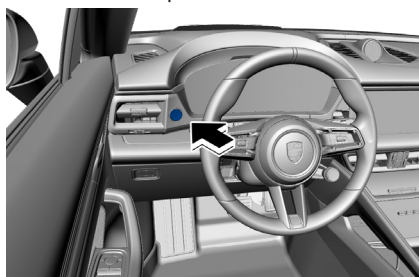


Suitable lifting points

High-voltage battery

Switching off ignition

Press "Start-Stop" button on the instrument panel



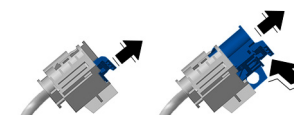
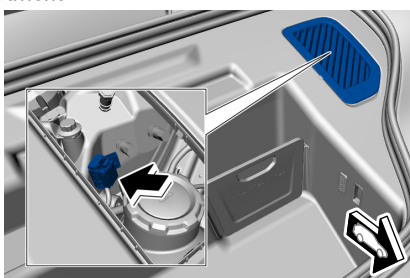
3. Disable direct hazards / safety regulations

The high-voltage system is automatically disabled in the event of accidents in which the airbag is triggered. The high-voltage system is de-energised approx. 20 seconds after the disabling.

Disabling high-voltage system



Option 1: from the engine compartment



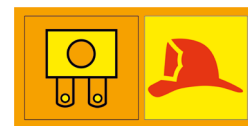
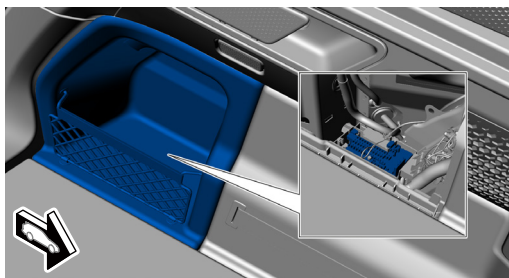
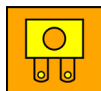


Porsche AG, Macan H2 SUV, as from model year 2023

PORSCHE



Option 2: from the vehicle rear



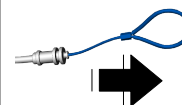
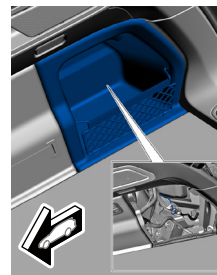
Do not touch, cut or open high-voltage components and high-voltage battery!
Wear appropriate protective equipment!



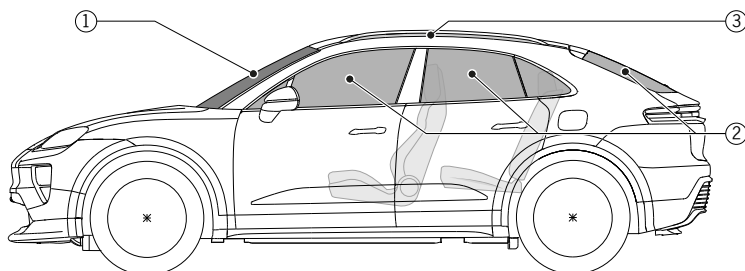
Disconnecting 12-volt battery

Disconnect negative terminal from the body contact point

Disconnecting from charging station (emergency release), left and right



4. Access to the occupants



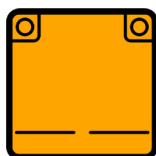
Glass types

- ① Laminated safety glass
- ② Equipment-dependent: Single-pane safety glass or laminated safety glass
- ③ Equipment-dependent: Single-pane safety glass

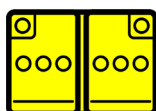


The centre airbag is located inside the driver's seat inner backrest padding.

5. Stored energy / liquids / gases / solids



LI ION
800 V



12 V



Porsche AG, Macan H2 SUV, as from model year 2023

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If coolant is leaking from the battery cooling system, there is the risk of a thermal reaction in the high-voltage battery.
Monitor high-voltage battery temperature.



6. In case of fire



Lithium-ion batteries may self-ignite or re-ignite after the fire has been extinguished!
Wear appropriate protective equipment!



7. In case of submersion

After recovering the vehicle from the water, disable the high-voltage system (see section 3) and allow the water to drain. Wear appropriate protective equipment!

8. Towing / transportation / storage



Lithium-ion batteries may self-ignite or re-ignite after the fire has been extinguished!
Wear appropriate protective equipment!



In the case of vehicles involved in an accident or if the HV battery is damaged or unusual: disable high-voltage system (see section 3). Park vehicle a safe distance from buildings and other vehicles (quarantine area).



Do not tow a vehicle involved in an accident on its drive axles.



9. Important additional information

You can find further information on assistance in the event of an accident and recovery of vehicles with high-voltage systems at:

<https://www.vda.de/de/themen/automobilindustrie/standards-und-normung/retten-und-bergen>

10. Explanation of pictograms used



Electric Vehicle



General warning sign



Warning, Electricity



Flammable



Explosive



Corrosives



Hazardous to the human health



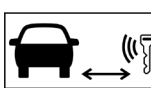
Environmental hazard



Bonnet



Boot



Remove smart key



Use thermal Infrared camera



Dangerous voltage



Use water to extinguish the fire

Section 6~Test Vehicle Description

6.03.01>> Dynamometer Parameters

Vehicle ID	Model Name	Trans	ETW [lbf]	Single Roll Coefficients (target)		
				A [lbf]	B [lbf/mph]	C [lbf/mph2]
ECFE-XABT-26-0	Macan Turbo Electric	A1	6000	47.97	0.1791	0.02438
ECFE-XABT-26-1	Macan Turbo Electric	A1	6000	41.01	0.2044	0.02208
ECFE-XABT-26-2	Macan Turbo Electric	A1	6000	39.00	0.2044	0.02067
ECFE-XABT-26-3	Macan GTS Electric	A1	6000	47.97	0.1791	0.02438
ECFE-XABT-26-4	Macan GTS Electric	A1	6000	41.01	0.2044	0.02208
ECFE-XABS-26-0	Macan 4S Electric	A1	6000	49.80	-0.0376	0.02777
ECFE-XABS-26-1	Macan 4S Electric	A1	6000	41.12	0.1585	0.02422
ECFE-XABS-26-2	Macan 4S Electric	A1	5500	37.90	0.1585	0.02401
ECFE-XAB4-26-0	Macan 4 Electric	A1	5500	39.88	0.3817	0.02185
ECFE-XAB4-26-1	Macan 4 Electric	A1	5500	35.27	0.2760	0.02144
ECFE-XAB4-26-2	Macan 4 Electric	A1	5500	33.09	0.2760	0.01981

Vehicle ID	Model Name	Trans	ETW [lbf]	Single Roll Coefficients (set)		
				A [lbf]	B [lbf/mph]	C [lbf/mph2]
ECFE-XABT-26-0	Macan Turbo Electric	A1	6000	-0.51	0.1749	0.01987
ECFE-XABT-26-1	Macan Turbo Electric	A1	6000	-6.05	0.2077	0.01745
ECFE-XABT-26-2	Macan Turbo Electric	A1	6000	-8.40	0.2187	0.01598
ECFE-XABT-26-3	Macan GTS Electric	A1	6000	-0.51	0.1749	0.01987
ECFE-XABT-26-4	Macan GTS Electric	A1	6000	-6.05	0.2077	0.01745
ECFE-XABS-26-0	Macan 4S Electric	A1	6000	-2.21	0.0509	0.02161
ECFE-XABS-26-1	Macan 4S Electric	A1	6000	-10.31	0.2484	0.01790
ECFE-XABS-26-2	Macan 4S Electric	A1	5500	-13.24	0.2474	0.01774
ECFE-XAB4-26-0	Macan 4 Electric	A1	5500	0.73	0.1647	0.02167
ECFE-XAB4-26-1	Macan 4 Electric	A1	5500	-5.13	0.0483	0.02130
ECFE-XAB4-26-2	Macan 4 Electric	A1	5500	-7.72	0.0675	0.01946

Note: Porsche's RLHP measurement and calculation methods are available upon request.

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Section 6~Test Vehicle Description

6.04>> Evaporative Parameters

These are Battery-Electric Vehicles. There is no combustion engine, no fuel-fired heater, and no fuel cell, and therefore no evaporative emissions control system.

Section 7~Test Results

7.01>> Exhaust / Evaporative Standards

Exhaust Emissions Standards: Federal: Tier 3 Bin Zero California: ZEV

Evaporative Standards: Federal: N/A California: N/A

Certification Tests:

Energy / Range Data:

<u>Model / Type</u>	<u>MCT (Multi-Cycle Test)</u>
Macan Turbo Electric FEDV1	TPRX10092195
Macan Turbo Electric FEDV2	TPRX10092196
Macan Turbo Electric FEDV3	TPRX10092197
Macan GTS Electric FEDV1	TPRX10092195
Macan GTS Electric FEDV2	TPRX10092196
Macan 4 Electric FEDV1	TPRX10092161
Macan 4 Electric FEDV2	TPRX10092162
Macan 4 Electric FEDV3	TPRX10092164
Macan 4S Electric FEDV1	TPRX10092165
Macan 4S Electric FEDV2	TPRX10092166
Macan 4S Electric FEDV3	TPRX10092169

Section 7~Test Results

Model Year: 2026

7.02>> GHG and Testing Compliance

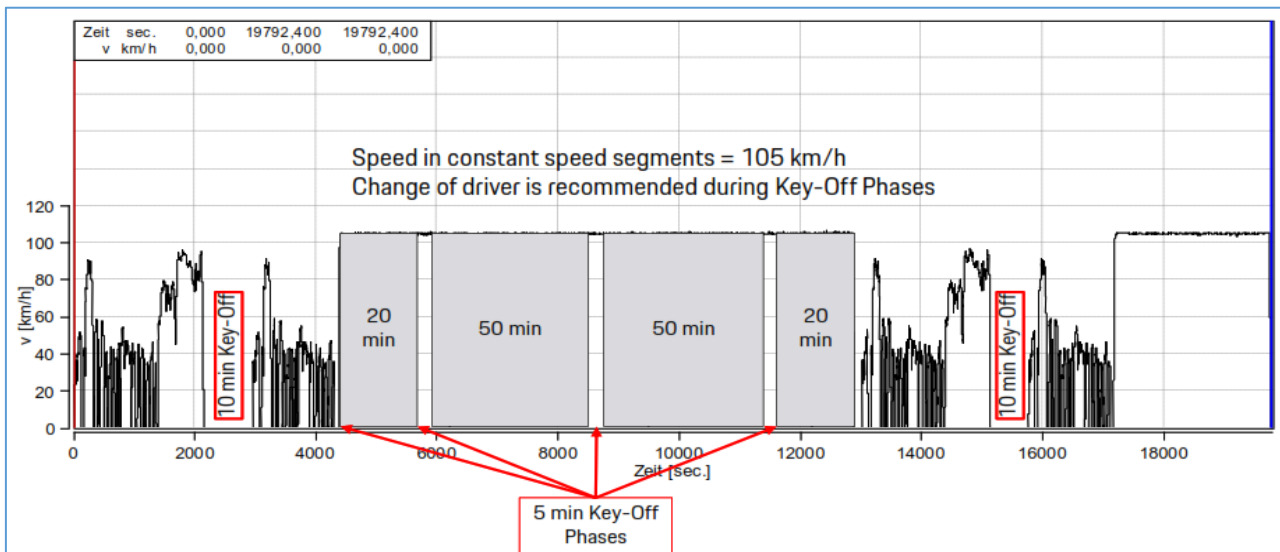
GHG in-use standards: Please refer to the VW Group's final GHG Report for this Model Year.

Start-Stop: Models in this test group are all BEVs; Auto Start-Stop does not apply.

N₂O and CH₄: Models in this test group are all BEVs.

Test cycles: Porsche chose the Multi-Cycle Test (MCT), following SAE J1634, 2017 version with certain steps excluded. This means that the constant-speed portions were run at 105 kph (65 mph).

For the California highway portion, Porsche used the "Highway All-Electric Range Test for Battery Electric Vehicles" per California Code of Regulations (CCR) title 13, section 1962.2 (F) 3.2.1.



SAE J1634: "...The CSC may be broken into distinct sub-phases of at least 5 min (unless the test termination criteria are met before this time) and no longer than 60 minutes. A 5-30 min key-off soak must be performed between each CSC sub-phase."

Section 7-Test Results

7.03>> CSI Report

The Certification Summary Information (CSI) report begins on the following page.

Certification Summary Information Report

Manufacturer	Porsche AG	Manufacturer Code	PRX
Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	11/05/2025 12:27:39 PM
Model Year	2026		

Test Group Information

CSI Type	Update for Correction	Running Change Reference Number	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Electric Motor

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Electricity	--	--

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	Yes
Fuel Cell Indicator	No	EPA Vehicle Class	LDT4
Federal Clean Fuel Vehicle	Yes	Federal Clean Fuel Vehicle Standard	ZEV
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	TPRXEEVNNEMT	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	--	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Not Applicable	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	TPRXT0.00EMT
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	--		
Mfr Test Group Comments	Macan 4 electric, Macan 4S electric, and Macan Turbo electric models; All-Wheel-Drive Battery Electric Only.		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
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Models Covered by this Certificate

Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Porsche AG	1 - Porsche	341 - Macan Turbo Electric	Federal	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	320 - Macan 4S Electric	Federal	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	320 - Macan 4S Electric	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	330 - Macan 4 Electric	Federal	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	373 - Macan GTS Electric	Federal	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	330 - Macan 4 Electric	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	341 - Macan Turbo Electric	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	373 - Macan GTS Electric	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No

Engine Description

Hybrid Type	--	Hybrid Description	--
Engine Type	--	Mfr Engine Description	--
Engine Block Arrangement	--	Mfr Engine Block Arrangement Description	--
Camless Valvetrain Indicator	--	Oil Viscosity/Classification	
Number of Cylinders/Rotors	--	Mechanically Variable Compression Ratio Indicator	--

After Treatment Device(s) (ATD)

Mfr After Treatment Device (ATD)	
Comments	--
Direct Ozone Reduction (DOR) Device	--
Mfr Emission Control Device Comments	--

Official Test Numbers

Test Group Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Electricity	--	--	--	--	--	--	--	--	--	--

SFTP LEV-III Official Test Numbers

Test Group Fuel	FTP	US06	SC03
Electricity	--	--	--

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Hybrid Electric Vehicle And Fuel Cell Information			
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if Other	--
Battery Type	Lithium Ion	Number of Battery Packs	1
Total Voltage of Battery Packs	765	Battery Energy Capacity	151
Battery Specific Energy	173	Battery Charger Type	Off-Board
Number of Capacitors	--	Capacitor Rating (In Farads)	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Both	Driver Controlled Regenerative Braking	No
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	3		
Motor/Generator Type 1	AC, Perm Magnet, Synchronous	Rated Motor/Generator Power	280
Motor/Generator Type 2	AC, Perm Magnet, Synchronous	Rated Motor/Generator Power	175
Motor/Generator Type 3	AC, Perm Magnet, Synchronous	Rated Motor/Generator Power	495
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	The models are configured as follows: Macan Turbo Electric Front Axle: 175KW, Rear Axle: 495KW, System Peak Power 430KW; Macan GTS Electric Front Axle: 175KW, Rear Axle: 495KW, System Peak Power 380KW; Macan 4S Electric: Front Axle: 175KW, Rear Axle: 280KW, System Peak Power 330KW; Macan 4 Electric: Front Axle: 175KW, Rear Axle: 280KW, System Peak Power 285KW;		

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--																						
Emission Data Vehicle Information																									
Vehicle ID / Configuration	ECFE-XAB4-26 / 0	Manufacturer Vehicle Configuration Number	0																						
Original Test Group Name	TPRXT00.0EMT	Original Evaporative/Refueling Family	--																						
Original Test Vehicle Model Year	2026																								
Vehicle Model																									
Represented Test Vehicle Make	Porsche	Represented Test Vehicle Model	Macan 4 electric																						
Leak Family Details																									
Leak Family Identifier	--	Leak Family Name	--																						
Drive Sources and Fuel System Details																									
<table><tr><td>Drive Source and Fuel#</td><td>Drive Source</td><td>Fuel</td></tr><tr><td>1</td><td>Electric Motor</td><td>Electricity</td></tr></table>				Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity																
Drive Source and Fuel#	Drive Source	Fuel																							
1	Electric Motor	Electricity																							
Hybrid Indicator	No																								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--																						
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes																						
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--																						
Off-board charge Capable Indicator	Yes																								
Odometer Correction -- Initial	0	Odometer Correction Factor	1.0129																						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles																								
Odometer Correction Units	Miles																								
Engine Code	EBZ-ECE	Rated Horsepower	382																						
Displacement (liters)	0.001																								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'																							
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--																						
Charge Air Cooler Type	N/A	Drive Mode While Testing	All Wheel Drive																						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)																						
Curb Weight (lbs)	5377	Equivalent Test Weight (pounds)	5500																						
GVWR (lbs)	6437	N/V Ratio	111.7																						
Axle Ratio	9.8																								
Transmission Type	Automatic	# of Transmission Gears	1																						
Transmission Lockup	No	Creeper Gear	No																						
Dynamometer Coefficients:																									
<table><tr><td colspan="3">Target Coefficients</td><td colspan="3">Set Coefficients</td><td rowspan="2">EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients</td></tr><tr><td>Coefficient Category</td><td>A (lbf)</td><td>B (lbf/mph)</td><td>C (lbf/mph**2)</td><td>A (lbf)</td><td>B (lbf/mph)</td><td>C (lbf/mph**2)</td></tr><tr><td>City/Highway/Evap</td><td>39.88</td><td>0.3817</td><td>0.02185</td><td>0.73</td><td>0.1647</td><td>0.02167</td><td>15.1</td></tr></table>				Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	City/Highway/Evap	39.88	0.3817	0.02185	0.73	0.1647	0.02167	15.1
Target Coefficients			Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients																			
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)		C (lbf/mph**2)																		
City/Highway/Evap	39.88	0.3817	0.02185	0.73	0.1647	0.02167	15.1																		
Emission Control Device Comments	BEV																								

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Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Test #	TPRX10092161	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	08/14/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2867	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	238	Recharge Event Energy (kiloWatt-hours)	107.4363
Charge Depleting Range (Calculated miles)	429.057	Charge Depleting Range (Actual miles)	429.057
Charge Depleting Range Highway (Calculated miles)	355.751	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	429.057
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.446	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-1.57	
Drive Trace Energy Economy Rating		-1.63	
Drive Trace Inertia Work Ratio Rating		-1.79	
Integrated DC KW-HRS		1.8493	
Manufacturer Fuel Economy		24.836	
Charge Depleting Bag/Phase #2			

Charge Depleting Bag/Phase #3

Charge Depleting Bag/Phase #4

Charge Depleting Bag/Phase #5

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.253</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>3.37</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.46</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>4.1</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.6694</td></tr><tr><td>Manufacturer Fuel Economy</td><td>26.035</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.253	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	3.37	Drive Trace Energy Economy Rating	0.46	Drive Trace Inertia Work Ratio Rating	4.1	Integrated DC KW-HRS	2.6694	Manufacturer Fuel Economy	26.035		
Test Result/Emission Name	Unrounded Test Result																		
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Integrated DC KW-HRS	2.6694																		
Manufacturer Fuel Economy	26.035																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.448</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.68</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.66</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.93</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.6338</td></tr><tr><td>Manufacturer Fuel Economy</td><td>21.936</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.448	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.68	Drive Trace Energy Economy Rating	-1.66	Drive Trace Inertia Work Ratio Rating	-1.93	Integrated DC KW-HRS	1.6338	Manufacturer Fuel Economy	21.936		
Test Result/Emission Name	Unrounded Test Result																		
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Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-1.68																		
Drive Trace Energy Economy Rating	-1.66																		
Drive Trace Inertia Work Ratio Rating	-1.93																		
Integrated DC KW-HRS	1.6338																		
Manufacturer Fuel Economy	21.936																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>29.37</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>3.64</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.28</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>7.31</td></tr><tr><td>Integrated DC KW-HRS</td><td>10.1315</td></tr><tr><td>Manufacturer Fuel Economy</td><td>34.496</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	29.37	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	3.64	Drive Trace Energy Economy Rating	-0.28	Drive Trace Inertia Work Ratio Rating	7.31	Integrated DC KW-HRS	10.1315	Manufacturer Fuel Economy	34.496		
Test Result/Emission Name	Unrounded Test Result																		
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Carbon-Related Exhaust Emissions	0																		
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Drive Trace Inertia Work Ratio Rating	7.31																		
Integrated DC KW-HRS	10.1315																		
Manufacturer Fuel Economy	34.496																		
Manufacturer Test Comments	MACAN 4 FEDV1. Internal Test Number: 25024294																		

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Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--																
Test #	TPRX10092162	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	07/24/2025	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	Mfr. Determined																
Verify Test Lab ID	Porsche AG, Labs and Engineering																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	2094	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	238	Recharge Event Energy (kiloWatt-hours)	106.5913																
Charge Depleting Range (Calculated miles)	469.475	Charge Depleting Range (Actual miles)	469.475																
Charge Depleting Range Highway (Calculated miles)	395.474	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	469.475																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.448</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.76</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.92</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.12</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.6786</td></tr><tr><td>Manufacturer Fuel Economy</td><td>22.538</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.448	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.76	Drive Trace Energy Economy Rating	-1.92	Drive Trace Inertia Work Ratio Rating	-2.12	Integrated DC KW-HRS	1.6786	Manufacturer Fuel Economy	22.538
Test Result/Emission Name	Unrounded Test Result																		
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Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-1.76																		
Drive Trace Energy Economy Rating	-1.92																		
Drive Trace Inertia Work Ratio Rating	-2.12																		
Integrated DC KW-HRS	1.6786																		
Manufacturer Fuel Economy	22.538																		
Charge Depleting Bag/Phase #2																			

Charge Depleting Bag/Phase #3

Charge Depleting Bag/Phase #4

Charge Depleting Bag/Phase #5

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.253</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>3.08</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.21</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>3.83</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.4008</td></tr><tr><td>Manufacturer Fuel Economy</td><td>23.416</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.253	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	3.08	Drive Trace Energy Economy Rating	0.21	Drive Trace Inertia Work Ratio Rating	3.83	Integrated DC KW-HRS	2.4008	Manufacturer Fuel Economy	23.416		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.253																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	3.08																		
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Drive Trace Inertia Work Ratio Rating	3.83																		
Integrated DC KW-HRS	2.4008																		
Manufacturer Fuel Economy	23.416																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.45</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.85</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.86</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.3</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.4864</td></tr><tr><td>Manufacturer Fuel Economy</td><td>19.952</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.45	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.85	Drive Trace Energy Economy Rating	-1.86	Drive Trace Inertia Work Ratio Rating	-2.3	Integrated DC KW-HRS	1.4864	Manufacturer Fuel Economy	19.952		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.45																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-1.85																		
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Drive Trace Inertia Work Ratio Rating	-2.3																		
Integrated DC KW-HRS	1.4864																		
Manufacturer Fuel Economy	19.952																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>34.799</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.2</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.34</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>4.43</td></tr><tr><td>Integrated DC KW-HRS</td><td>10.8813</td></tr><tr><td>Manufacturer Fuel Economy</td><td>31.269</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	34.799	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.2	Drive Trace Energy Economy Rating	-0.34	Drive Trace Inertia Work Ratio Rating	4.43	Integrated DC KW-HRS	10.8813	Manufacturer Fuel Economy	31.269		
Test Result/Emission Name	Unrounded Test Result																		
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Drive Trace Energy Economy Rating	-0.34																		
Drive Trace Inertia Work Ratio Rating	4.43																		
Integrated DC KW-HRS	10.8813																		
Manufacturer Fuel Economy	31.269																		
Manufacturer Test Comments	MACAN 4 FEDV2. Internal Test Number: 25024299																		

Certification Summary Information Report

Test Group	TPRXT00.0EMT		Evaporative/Refueling Family	--						
Emission Data Vehicle Information										
Vehicle ID / Configuration	ECFE-XAB4-26 / 2		Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TPRXT00.0EMT		Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026									
Vehicle Model										
Represented Test Vehicle Make	Porsche		Represented Test Vehicle Model	Macan 4 electric						
Leak Family Details										
Leak Family Identifier	--		Leak Family Name	--						
Drive Sources and Fuel System Details										
<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </table>					Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel								
1	Electric Motor	Electricity								
Hybrid Indicator	No		Multiple Fuel Combustion	--						
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	Yes						
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	Battery(s)									
Off-board charge Capable Indicator	Yes									
Odometer Correction -- Initial	0		Odometer Correction Factor	1.0129						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles									
Odometer Correction Units	Miles									
Engine Code	EBZ-ECE		Rated Horsepower	382						
Displacement (liters)	0.001									
Air Aspiration Method	Naturally Aspirated		Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	--		Air Aspiration Device Configuration	--						
Charge Air Cooler Type	N/A		Drive Mode While Testing	All Wheel Drive						
Shift Indicator Light Usage	Not equipped		Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	5362		Equivalent Test Weight (pounds)	5500						
GVWR (lbs)	6437		N/V Ratio	111.7						
Axle Ratio	9.8									
Transmission Type	Automatic		# of Transmission Gears	1						
Transmission Lockup	No		Creep Gear	No						
Dynamometer Coefficients:										
Target Coefficients			Set Coefficients							
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
City/Highway/Evap	33.09	0.276	0.01981	12.9						
Emission Control Device Comments	BEV									

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Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Test #	TPRX10092164	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	07/29/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2460	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	238	Recharge Event Energy (kiloWatt-hours)	106.3516
Charge Depleting Range (Calculated miles)	498.333	Charge Depleting Range (Actual miles)	498.333
Charge Depleting Range Highway (Calculated miles)	419.854	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	498.333
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.447	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-1.87	
Drive Trace Energy Economy Rating		-1.73	
Drive Trace Inertia Work Ratio Rating		-2.3	
Integrated DC KW-HRS		1.6267	
Manufacturer Fuel Economy		21.844	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--															
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.252</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>3.16</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.28</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>3.95</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.4037</td></tr><tr><td>Manufacturer Fuel Economy</td><td>23.446</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.252	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	3.16	Drive Trace Energy Economy Rating	0.28	Drive Trace Inertia Work Ratio Rating	3.95	Integrated DC KW-HRS	2.4037	Manufacturer Fuel Economy	23.446	
	Test Result/Emission Name	Unrounded Test Result																
	Actual Distance Driven (miles)	10.252																
	Carbon-Related Exhaust Emissions	0																
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	Drive Trace Inertia Work Ratio Rating	3.95																
	Integrated DC KW-HRS	2.4037																
	Manufacturer Fuel Economy	23.446																
Charge Depleting Bag/Phase #3																		
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.452</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.83</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.84</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.19</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.4806</td></tr><tr><td>Manufacturer Fuel Economy</td><td>19.868</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.452	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.83	Drive Trace Energy Economy Rating	-1.84	Drive Trace Inertia Work Ratio Rating	-2.19	Integrated DC KW-HRS	1.4806	Manufacturer Fuel Economy	19.868		
Test Result/Emission Name	Unrounded Test Result																	
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Carbon-Related Exhaust Emissions	0																	
Drive Trace Absolute Speed Change Rating	-1.83																	
Drive Trace Energy Economy Rating	-1.84																	
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Integrated DC KW-HRS	1.4806																	
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Charge Depleting Bag/Phase #4																		
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>258.091</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>18.96</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.07</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>38.16</td></tr><tr><td>Integrated DC KW-HRS</td><td>73.6528</td></tr><tr><td>Manufacturer Fuel Economy</td><td>28.538</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	258.091	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	18.96	Drive Trace Energy Economy Rating	-0.07	Drive Trace Inertia Work Ratio Rating	38.16	Integrated DC KW-HRS	73.6528	Manufacturer Fuel Economy	28.538		
Test Result/Emission Name	Unrounded Test Result																	
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Carbon-Related Exhaust Emissions	0																	
Drive Trace Absolute Speed Change Rating	18.96																	
Drive Trace Energy Economy Rating	-0.07																	
Drive Trace Inertia Work Ratio Rating	38.16																	
Integrated DC KW-HRS	73.6528																	
Manufacturer Fuel Economy	28.538																	
Charge Depleting Bag/Phase #5																		
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.452</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.9</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.98</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.33</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.3909</td></tr><tr><td>Manufacturer Fuel Economy</td><td>18.665</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.452	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.9	Drive Trace Energy Economy Rating	-1.98	Drive Trace Inertia Work Ratio Rating	-2.33	Integrated DC KW-HRS	1.3909	Manufacturer Fuel Economy	18.665		
Test Result/Emission Name	Unrounded Test Result																	
Actual Distance Driven (miles)	7.452																	
Carbon-Related Exhaust Emissions	0																	
Drive Trace Absolute Speed Change Rating	-1.9																	
Drive Trace Energy Economy Rating	-1.98																	
Drive Trace Inertia Work Ratio Rating	-2.33																	
Integrated DC KW-HRS	1.3909																	
Manufacturer Fuel Economy	18.665																	
Charge Depleting Bag/Phase #6																		

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.252
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.91
Drive Trace Energy Economy Rating	0.22
Drive Trace Inertia Work Ratio Rating	4.81
Integrated DC KW-HRS	2.2563
Manufacturer Fuel Economy	22.008

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.452
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.78
Drive Trace Energy Economy Rating	-1.94
Drive Trace Inertia Work Ratio Rating	-2.17
Integrated DC KW-HRS	1.3988
Manufacturer Fuel Economy	18.771

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	38.661
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.54
Drive Trace Energy Economy Rating	-0.29
Drive Trace Inertia Work Ratio Rating	7.13
Integrated DC KW-HRS	11.2115
Manufacturer Fuel Economy	29

Manufacturer Test Comments

MACAN 4 FEDV3. Internal Test Number: 25024304

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Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--																
Test #	TPRX10092165	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	07/29/2025	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	Mfr. Determined																
Verify Test Lab ID	Porsche AG, Labs and Engineering																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	2065	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	106.1343																
Charge Depleting Range (Calculated miles)	411.647	Charge Depleting Range (Actual miles)	411.647																
Charge Depleting Range Highway (Calculated miles)	354.497	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	411.647																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.451</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.19</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.63</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.41</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.0577</td></tr><tr><td>Manufacturer Fuel Economy</td><td>27.616</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.451	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.19	Drive Trace Energy Economy Rating	-1.63	Drive Trace Inertia Work Ratio Rating	-1.41	Integrated DC KW-HRS	2.0577	Manufacturer Fuel Economy	27.616
Test Result/Emission Name	Unrounded Test Result																		
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Carbon-Related Exhaust Emissions	0																		
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Drive Trace Energy Economy Rating	-1.63																		
Drive Trace Inertia Work Ratio Rating	-1.41																		
Integrated DC KW-HRS	2.0577																		
Manufacturer Fuel Economy	27.616																		
Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.252
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	3.84
		Drive Trace Energy Economy Rating	0.93
		Drive Trace Inertia Work Ratio Rating	4.79
		Integrated DC KW-HRS	2.8612
		Manufacturer Fuel Economy	27.909
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.452
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-1.26
		Drive Trace Energy Economy Rating	-1.6
		Drive Trace Inertia Work Ratio Rating	-1.43
		Integrated DC KW-HRS	1.7951
		Manufacturer Fuel Economy	24.089
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	221.163
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	10.98
		Drive Trace Energy Economy Rating	0.09
		Drive Trace Inertia Work Ratio Rating	22.09
		Integrated DC KW-HRS	72.8571
		Manufacturer Fuel Economy	32.943
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.453
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-1.19
		Drive Trace Energy Economy Rating	-1.67
		Drive Trace Inertia Work Ratio Rating	-1.3
		Integrated DC KW-HRS	1.6806
		Manufacturer Fuel Economy	22.549
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.252</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>4.11</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>5.16</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.6786</td></tr><tr><td>Manufacturer Fuel Economy</td><td>26.128</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.252	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	4.11	Drive Trace Energy Economy Rating	1	Drive Trace Inertia Work Ratio Rating	5.16	Integrated DC KW-HRS	2.6786	Manufacturer Fuel Economy	26.128
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.252																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	4.11																		
Drive Trace Energy Economy Rating	1																		
Drive Trace Inertia Work Ratio Rating	5.16																		
Integrated DC KW-HRS	2.6786																		
Manufacturer Fuel Economy	26.128																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.453</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.26</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.65</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.43</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.705</td></tr><tr><td>Manufacturer Fuel Economy</td><td>22.877</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.453	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.26	Drive Trace Energy Economy Rating	-1.65	Drive Trace Inertia Work Ratio Rating	-1.43	Integrated DC KW-HRS	1.705	Manufacturer Fuel Economy	22.877
Test Result/Emission Name	Unrounded Test Result																		
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Drive Trace Inertia Work Ratio Rating	-1.43																		
Integrated DC KW-HRS	1.705																		
Manufacturer Fuel Economy	22.877																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>29.883</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.11</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.55</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.19</td></tr><tr><td>Integrated DC KW-HRS</td><td>10.1431</td></tr><tr><td>Manufacturer Fuel Economy</td><td>33.943</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	29.883	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.11	Drive Trace Energy Economy Rating	-0.55	Drive Trace Inertia Work Ratio Rating	0.19	Integrated DC KW-HRS	10.1431	Manufacturer Fuel Economy	33.943
Test Result/Emission Name	Unrounded Test Result																		
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Drive Trace Energy Economy Rating	-0.55																		
Drive Trace Inertia Work Ratio Rating	0.19																		
Integrated DC KW-HRS	10.1431																		
Manufacturer Fuel Economy	33.943																		
Manufacturer Test Comments	MACAN 4S FEDV1. Internal Test Number: 25024271																		

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	ECFE-XABS-26 / 1	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TPRXT00.0EMT	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026								
Vehicle Model									
Represented Test Vehicle Make	Porsche	Represented Test Vehicle Model	Macan 4S electric						
Leak Family Details									
Leak Family Identifier	--	Leak Family Name	--						
Drive Sources and Fuel System Details									
	<table border="1"> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> <tr> <td>1</td><td>Electric Motor</td><td>Electricity</td></tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity		
Drive Source and Fuel#	Drive Source	Fuel							
1	Electric Motor	Electricity							
Hybrid Indicator	No								
Multiple Fuel Storage	--	Multiple Fuel Combustion	--						
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes						
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--						
Off-board charge Capable Indicator	Yes								
Odometer Correction -- Initial	0	Odometer Correction Factor	1.0058						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	EBZ-ECL	Rated Horsepower	442						
Displacement (liters)	0.001								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--						
Charge Air Cooler Type	N/A	Drive Mode While Testing	All Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	5430	Equivalent Test Weight (pounds)	6000						
GVWR (lbs)	6460	N/V Ratio	115.1						
Axle Ratio	9.99								
Transmission Type	Automatic	# of Transmission Gears	1						
Transmission Lockup	No	Creep Gear	No						
Dynamometer Coefficients:									
	Target Coefficients								
	Set Coefficients								
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)						
City/Highway/Evap	41.12	0.1585	0.02422						
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)						
	-10.31	0.2484	0.0179						
	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients								
	14.6								
Emission Control Device Comments	BEV								

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Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Test #	TPRX10092166	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	07/31/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2406	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	106.0801
Charge Depleting Range (Calculated miles)	433.944	Charge Depleting Range (Actual miles)	433.944
Charge Depleting Range Highway (Calculated miles)	374.896	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	433.944
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.451	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-1.32	
Drive Trace Energy Economy Rating		-1.69	
Drive Trace Inertia Work Ratio Rating		-1.53	
Integrated DC KW-HRS		1.9203	
Manufacturer Fuel Economy		25.772	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--																
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.253</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>3.87</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.88</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>4.85</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.7079</td></tr><tr><td>Manufacturer Fuel Economy</td><td>26.411</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.253	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	3.87	Drive Trace Energy Economy Rating	0.88	Drive Trace Inertia Work Ratio Rating	4.85	Integrated DC KW-HRS	2.7079	Manufacturer Fuel Economy	26.411		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.253																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	3.87																		
Drive Trace Energy Economy Rating	0.88																		
Drive Trace Inertia Work Ratio Rating	4.85																		
Integrated DC KW-HRS	2.7079																		
Manufacturer Fuel Economy	26.411																		
Charge Depleting Bag/Phase #3																			
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.453</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.43</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.63</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.73</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.6955</td></tr><tr><td>Manufacturer Fuel Economy</td><td>22.749</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.453	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.43	Drive Trace Energy Economy Rating	-1.63	Drive Trace Inertia Work Ratio Rating	-1.73	Integrated DC KW-HRS	1.6955	Manufacturer Fuel Economy	22.749		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.453																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-1.43																		
Drive Trace Energy Economy Rating	-1.63																		
Drive Trace Inertia Work Ratio Rating	-1.73																		
Integrated DC KW-HRS	1.6955																		
Manufacturer Fuel Economy	22.749																		
Charge Depleting Bag/Phase #4																			
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>236.383</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>11.03</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.15</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>22.21</td></tr><tr><td>Integrated DC KW-HRS</td><td>72.5434</td></tr><tr><td>Manufacturer Fuel Economy</td><td>30.689</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	236.383	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	11.03	Drive Trace Energy Economy Rating	0.15	Drive Trace Inertia Work Ratio Rating	22.21	Integrated DC KW-HRS	72.5434	Manufacturer Fuel Economy	30.689		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	236.383																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	11.03																		
Drive Trace Energy Economy Rating	0.15																		
Drive Trace Inertia Work Ratio Rating	22.21																		
Integrated DC KW-HRS	72.5434																		
Manufacturer Fuel Economy	30.689																		
Charge Depleting Bag/Phase #5																			
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.455</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.4</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.96</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.6</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.5822</td></tr><tr><td>Manufacturer Fuel Economy</td><td>21.223</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.455	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.4	Drive Trace Energy Economy Rating	-1.96	Drive Trace Inertia Work Ratio Rating	-1.6	Integrated DC KW-HRS	1.5822	Manufacturer Fuel Economy	21.223		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.455																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-1.4																		
Drive Trace Energy Economy Rating	-1.96																		
Drive Trace Inertia Work Ratio Rating	-1.6																		
Integrated DC KW-HRS	1.5822																		
Manufacturer Fuel Economy	21.223																		
Charge Depleting Bag/Phase #6																			

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.254</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>4.12</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.8</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>5.18</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.4975</td></tr><tr><td>Manufacturer Fuel Economy</td><td>24.356</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.254	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	4.12	Drive Trace Energy Economy Rating	0.8	Drive Trace Inertia Work Ratio Rating	5.18	Integrated DC KW-HRS	2.4975	Manufacturer Fuel Economy	24.356
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.254																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	4.12																		
Drive Trace Energy Economy Rating	0.8																		
Drive Trace Inertia Work Ratio Rating	5.18																		
Integrated DC KW-HRS	2.4975																		
Manufacturer Fuel Economy	24.356																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.456</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.28</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.7</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-1.46</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.6089</td></tr><tr><td>Manufacturer Fuel Economy</td><td>21.579</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.456	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.28	Drive Trace Energy Economy Rating	-1.7	Drive Trace Inertia Work Ratio Rating	-1.46	Integrated DC KW-HRS	1.6089	Manufacturer Fuel Economy	21.579
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.456																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-1.28																		
Drive Trace Energy Economy Rating	-1.7																		
Drive Trace Inertia Work Ratio Rating	-1.46																		
Integrated DC KW-HRS	1.6089																		
Manufacturer Fuel Economy	21.579																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>33.664</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>3.6</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.23</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>7.23</td></tr><tr><td>Integrated DC KW-HRS</td><td>10.6063</td></tr><tr><td>Manufacturer Fuel Economy</td><td>31.506</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	33.664	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	3.6	Drive Trace Energy Economy Rating	-0.23	Drive Trace Inertia Work Ratio Rating	7.23	Integrated DC KW-HRS	10.6063	Manufacturer Fuel Economy	31.506
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	33.664																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	3.6																		
Drive Trace Energy Economy Rating	-0.23																		
Drive Trace Inertia Work Ratio Rating	7.23																		
Integrated DC KW-HRS	10.6063																		
Manufacturer Fuel Economy	31.506																		
Manufacturer Test Comments	MACAN 4S FEDV2. Internal Test Number: 25024276																		

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Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	Macan 4S electric; Porsche Internal Name SEP626, FEDV3. AXLE RATIO IS 10.07		

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Test #	TPRX10092169	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	08/05/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2766	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	105.9416
Charge Depleting Range (Calculated miles)	450.188	Charge Depleting Range (Actual miles)	450.188
Charge Depleting Range Highway (Calculated miles)	381.583	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	450.188
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.446	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-1.13	
Drive Trace Energy Economy Rating		-1.12	
Drive Trace Inertia Work Ratio Rating		-1.34	
Integrated DC KW-HRS		1.8481	
Manufacturer Fuel Economy		24.82	
Charge Depleting Bag/Phase #2			

Charge Depleting Bag/Phase #3

Charge Depleting Bag/Phase #4

Charge Depleting Bag/Phase #5

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
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Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.253
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.45
Drive Trace Energy Economy Rating	1
Drive Trace Inertia Work Ratio Rating	5.62
Integrated DC KW-HRS	2.4753
Manufacturer Fuel Economy	24.142

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.45
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.13
Drive Trace Energy Economy Rating	-1.66
Drive Trace Inertia Work Ratio Rating	-1.23
Integrated DC KW-HRS	1.5522
Manufacturer Fuel Economy	20.835

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	34.463
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.72
Drive Trace Energy Economy Rating	-0.24
Drive Trace Inertia Work Ratio Rating	7.46
Integrated DC KW-HRS	10.7013
Manufacturer Fuel Economy	31.052

Manufacturer Test Comments

MACAN 4S FEDV3. Internal Test Number: 25024287.

Certification Summary Information Report

Test Group	TPRXT00.0EMT		Evaporative/Refueling Family	--						
Emission Data Vehicle Information										
Vehicle ID / Configuration	ECFE-XABT-26 / 0		Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TPRXT00.0EMT		Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026									
Vehicle Model										
Represented Test Vehicle Make	Porsche		Represented Test Vehicle Model	Macan Turbo electric						
Leak Family Details										
Leak Family Identifier	--		Leak Family Name	--						
Drive Sources and Fuel System Details										
<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </table>					Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel								
1	Electric Motor	Electricity								
Hybrid Indicator	No		Multiple Fuel Combustion	--						
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	Yes						
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	Battery(s)									
Off-board charge Capable Indicator	Yes									
Odometer Correction -- Initial	0		Odometer Correction Factor	0.998						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles									
Odometer Correction Units	Miles									
Engine Code	EBZ-ECM		Rated Horsepower	576						
Displacement (liters)	0.001									
Air Aspiration Method	Naturally Aspirated		Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	--		Air Aspiration Device Configuration	--						
Charge Air Cooler Type	N/A		Drive Mode While Testing	All Wheel Drive						
Shift Indicator Light Usage	Not equipped		Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	5558		Equivalent Test Weight (pounds)	6000						
GVWR (lbs)	6504		N/V Ratio	103.4						
Axle Ratio	9									
Transmission Type	Automatic		# of Transmission Gears	1						
Transmission Lockup	No		Creep Gear	No						
Dynamometer Coefficients:										
Target Coefficients			Set Coefficients							
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
City/Highway/Evap	47.97	0.1791	0.02438	15.7						
Emission Control Device Comments	BEV									

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	Macan Turbo electric; Porsche Internal Name SEP841, FEDV1.		

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Test #	TPRX10092195	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	08/15/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3489	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	107.095
Charge Depleting Range (Calculated miles)	423.156	Charge Depleting Range (Actual miles)	423.156
Charge Depleting Range Highway (Calculated miles)	356.57	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	423.156
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.471	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-1.58	
Drive Trace Energy Economy Rating		-2.15	
Drive Trace Inertia Work Ratio Rating		-2.15	
Integrated DC KW-HRS		1.9635	
Manufacturer Fuel Economy		26.282	
Charge Depleting Bag/Phase #2			

Charge Depleting Bag/Phase #3

Charge Depleting Bag/Phase #4

Charge Depleting Bag/Phase #5

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.26</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.98</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.27</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.56</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.6661</td></tr><tr><td>Manufacturer Fuel Economy</td><td>25.985</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.26	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.98	Drive Trace Energy Economy Rating	-0.27	Drive Trace Inertia Work Ratio Rating	2.56	Integrated DC KW-HRS	2.6661	Manufacturer Fuel Economy	25.985		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.26																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.98																		
Drive Trace Energy Economy Rating	-0.27																		
Drive Trace Inertia Work Ratio Rating	2.56																		
Integrated DC KW-HRS	2.6661																		
Manufacturer Fuel Economy	25.985																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.475</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.77</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-2.2</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.17</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.6682</td></tr><tr><td>Manufacturer Fuel Economy</td><td>22.317</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.475	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.77	Drive Trace Energy Economy Rating	-2.2	Drive Trace Inertia Work Ratio Rating	-2.17	Integrated DC KW-HRS	1.6682	Manufacturer Fuel Economy	22.317		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.475																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-1.77																		
Drive Trace Energy Economy Rating	-2.2																		
Drive Trace Inertia Work Ratio Rating	-2.17																		
Integrated DC KW-HRS	1.6682																		
Manufacturer Fuel Economy	22.317																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>29.895</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.47</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.29</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>4.97</td></tr><tr><td>Integrated DC KW-HRS</td><td>10.2047</td></tr><tr><td>Manufacturer Fuel Economy</td><td>34.135</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	29.895	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.47	Drive Trace Energy Economy Rating	-0.29	Drive Trace Inertia Work Ratio Rating	4.97	Integrated DC KW-HRS	10.2047	Manufacturer Fuel Economy	34.135		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	29.895																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	2.47																		
Drive Trace Energy Economy Rating	-0.29																		
Drive Trace Inertia Work Ratio Rating	4.97																		
Integrated DC KW-HRS	10.2047																		
Manufacturer Fuel Economy	34.135																		
Manufacturer Test Comments	MACAN Turbo FEDV1. Internal Test Number: 25032073																		

Certification Summary Information Report

Test Group	TPRXT00.0EMT		Evaporative/Refueling Family	--						
Emission Data Vehicle Information										
Vehicle ID / Configuration	ECFE-XABT-26 / 1		Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	TPRXT00.0EMT		Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2026									
Vehicle Model										
Represented Test Vehicle Make	Porsche		Represented Test Vehicle Model	Macan Turbo electric						
Leak Family Details										
Leak Family Identifier	--		Leak Family Name	--						
Drive Sources and Fuel System Details										
<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </table>					Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity
Drive Source and Fuel#	Drive Source	Fuel								
1	Electric Motor	Electricity								
Hybrid Indicator	No		Multiple Fuel Combustion	--						
Multiple Fuel Storage	--		Rechargeable Energy Storage System Indicator	Yes						
Fuel Cell Indicator	No		Rechargeable Energy Storage System, if 'Other'	--						
Rechargeable Energy Storage System	Battery(s)									
Off-board charge Capable Indicator	Yes									
Odometer Correction -- Initial	0		Odometer Correction Factor	0.998						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles									
Odometer Correction Units	Miles									
Engine Code	EBZ-ECM		Rated Horsepower	576						
Displacement (liters)	0.001									
Air Aspiration Method	Naturally Aspirated		Air Aspiration Method, if 'Other'							
Number of Air Aspiration Devices	--		Air Aspiration Device Configuration	--						
Charge Air Cooler Type	N/A		Drive Mode While Testing	All Wheel Drive						
Shift Indicator Light Usage	Not equipped		Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	5560		Equivalent Test Weight (pounds)	6000						
GVWR (lbs)	6504		N/V Ratio	103.4						
Axle Ratio	9									
Transmission Type	Automatic		# of Transmission Gears	1						
Transmission Lockup	No		Creep Gear	No						
Dynamometer Coefficients:										
Target Coefficients			Set Coefficients							
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients						
City/Highway/Evap	41	0.2044	0.02208	14.2						
Emission Control Device Comments	BEV									

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	Macan Turbo electric; Porsche Internal Name SEP841, FEDV2.		

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Test #	TPRX10092196	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	08/07/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2807	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	107.0625
Charge Depleting Range (Calculated miles)	449.786	Charge Depleting Range (Actual miles)	449.786
Charge Depleting Range Highway (Calculated miles)	383.368	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	449.786
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.441	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-1.73	
Drive Trace Energy Economy Rating		-1.95	
Drive Trace Inertia Work Ratio Rating		-2.61	
Integrated DC KW-HRS		1.8037	
Manufacturer Fuel Economy		24.24	
Charge Depleting Bag/Phase #2			

Charge Depleting Bag/Phase #3

Charge Depleting Bag/Phase #4

Charge Depleting Bag/Phase #5

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.252</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.11</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.29</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.35</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.4821</td></tr><tr><td>Manufacturer Fuel Economy</td><td>24.211</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.252	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.11	Drive Trace Energy Economy Rating	0.29	Drive Trace Inertia Work Ratio Rating	2.35	Integrated DC KW-HRS	2.4821	Manufacturer Fuel Economy	24.211
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.252																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	2.11																		
Drive Trace Energy Economy Rating	0.29																		
Drive Trace Inertia Work Ratio Rating	2.35																		
Integrated DC KW-HRS	2.4821																		
Manufacturer Fuel Economy	24.211																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.443</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.64</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-2.02</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.55</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.5683</td></tr><tr><td>Manufacturer Fuel Economy</td><td>21.071</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.443	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.64	Drive Trace Energy Economy Rating	-2.02	Drive Trace Inertia Work Ratio Rating	-2.55	Integrated DC KW-HRS	1.5683	Manufacturer Fuel Economy	21.071
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.443																		
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Integrated DC KW-HRS	1.5683																		
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Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>33.972</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>4.55</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.3</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>9.14</td></tr><tr><td>Integrated DC KW-HRS</td><td>10.6864</td></tr><tr><td>Manufacturer Fuel Economy</td><td>31.456</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	33.972	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	4.55	Drive Trace Energy Economy Rating	-0.3	Drive Trace Inertia Work Ratio Rating	9.14	Integrated DC KW-HRS	10.6864	Manufacturer Fuel Economy	31.456
Test Result/Emission Name	Unrounded Test Result																		
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Drive Trace Energy Economy Rating	-0.3																		
Drive Trace Inertia Work Ratio Rating	9.14																		
Integrated DC KW-HRS	10.6864																		
Manufacturer Fuel Economy	31.456																		
Manufacturer Test Comments	MACAN Turbo FEDV2. Internal Test Number: 25024221																		

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Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Manufacturer Test Vehicle Comments	Macan Turbo electric; Porsche Internal Name SEP841, FEDV3.		

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--
Test #	TPRX10092197	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	08/12/2025	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3140	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	107.0827
Charge Depleting Range (Calculated miles)	465.153	Charge Depleting Range (Actual miles)	465.153
Charge Depleting Range Highway (Calculated miles)	399.4	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	465.153
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.443	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-1.68	
Drive Trace Energy Economy Rating		-2.08	
Drive Trace Inertia Work Ratio Rating		-2.61	
Integrated DC KW-HRS		1.8483	
Manufacturer Fuel Economy		24.833	
Charge Depleting Bag/Phase #2			

Charge Depleting Bag/Phase #3

Charge Depleting Bag/Phase #4

Charge Depleting Bag/Phase #5

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	TPRXT00.0EMT	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.253</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.4</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.17</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.51</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.3598</td></tr><tr><td>Manufacturer Fuel Economy</td><td>23.016</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.253	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.4	Drive Trace Energy Economy Rating	0.17	Drive Trace Inertia Work Ratio Rating	1.51	Integrated DC KW-HRS	2.3598	Manufacturer Fuel Economy	23.016
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.253																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.4																		
Drive Trace Energy Economy Rating	0.17																		
Drive Trace Inertia Work Ratio Rating	1.51																		
Integrated DC KW-HRS	2.3598																		
Manufacturer Fuel Economy	23.016																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.444</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.65</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-2.14</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.63</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.5029</td></tr><tr><td>Manufacturer Fuel Economy</td><td>20.189</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.444	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.65	Drive Trace Energy Economy Rating	-2.14	Drive Trace Inertia Work Ratio Rating	-2.63	Integrated DC KW-HRS	1.5029	Manufacturer Fuel Economy	20.189
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.444																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-1.65																		
Drive Trace Energy Economy Rating	-2.14																		
Drive Trace Inertia Work Ratio Rating	-2.63																		
Integrated DC KW-HRS	1.5029																		
Manufacturer Fuel Economy	20.189																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>36.421</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>8</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.26</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>16.07</td></tr><tr><td>Integrated DC KW-HRS</td><td>10.8634</td></tr><tr><td>Manufacturer Fuel Economy</td><td>29.827</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	36.421	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	8	Drive Trace Energy Economy Rating	-0.26	Drive Trace Inertia Work Ratio Rating	16.07	Integrated DC KW-HRS	10.8634	Manufacturer Fuel Economy	29.827
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	36.421																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	8																		
Drive Trace Energy Economy Rating	-0.26																		
Drive Trace Inertia Work Ratio Rating	16.07																		
Integrated DC KW-HRS	10.8634																		
Manufacturer Fuel Economy	29.827																		
Manufacturer Test Comments	MACAN Turbo FEDV3. Internal Test Number: 25031760																		
Fuel Properties																			

Certification Summary Information Report

Test Group		TPRXT00.0EMT			Evaporative/Refueling Family			--	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			Charge Depleting UDDS	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			Charge Depleting Highway	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Charge Depleting Highway	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Certification Summary Information Report

Test Group		TPRXT00.0EMT			Evaporative/Refueling Family			--	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Charge Depleting UDDS	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			Federal fuel 2-day exhaust (w/can load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	--	0.0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Federal fuel 2-day exhaust (w/can load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Certification Summary Information Report

Test Group		TPRXT00.0EMT	Evaporative/Refueling Family		--
Glossary					
Useful Life					
4	4,000 miles		120	120,000 miles	
50	50,000 miles		150	150,000 miles	
100	100,000 miles				
Emission Name					
HC-TOTAL	Total Hydrocarbon		AS-VOLT	Average System Voltage	
CO	Carbon Monoxide		CO2 BAG 1	Bag 1 Carbon Dioxide	
CO2	Carbon dioxide		CO2 BAG 2	Bag 2 Carbon Dioxide	
CREE	Carbon-Related Exhaust Emissions		CO2 BAG 3	Bag 3 Carbon Dioxide	
OPT-CREE	Optional Carbon-Related Exhaust Emissions		CO2 BAG 4	Bag 4 Carbon Dioxide	
NOX	Nitrogen Oxide		NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides	
PM	Particulate Matter		NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides	
PM-COMP	SFTP Composite Particulate Matter		DT-IWRR	Drive Trace Inertia Work Ratio Rating	
HC-NM	Non-methane Hydrocarbon		DT-ASCR	Drive Trace Absolute Speed Change Rating	
OMHCE	Organic material Hydrocarbon Equivalent		DT-EER	Drive Trace Energy Economy Rating	
OMNMHCE	Organic material non-methane HC equivalent		COMB-CREE	Combined Carbon-Related Exhaust Emissions	
NMOG	Non-methane organic gases		COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
HCHO	Formaldehyde		HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
H3C2HO	Acetaldehyde		METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03		N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides		LEAK-DIA	Effective Leak Diameter (inches)	
CO-COMP	SFTP Composite Carbon Monoxide		LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
ETHANOL	C2H5OH - Ethanol		CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
FE BAG 1	Bag 1 Fuel Economy		KW-HRS	Integrated DC KW-HRS	
FE BAG 2	Bag 2 Fuel Economy		CH4 BAG 1	Bag 1 Methane	
FE BAG 3	Bag 3 Fuel Economy		CH4 BAG 2	Bag 2 Methane	
FE BAG 4	Bag 4 Fuel Economy		CH4 BAG 3	Bag 3 Methane	
MFR FE	Manufacturer Fuel Economy		CH4 BAG 4	Bag 4 Methane	
HC	Hydrocarbon for Running Loss and ORVR		CO BAG 1	Bag 1 Carbon Monoxide	
METHANE	CH4 - Methane		CO BAG 2	Bag 2 Carbon Monoxide	
METHANOL	CH3OH - Methanol		CO BAG 3	Bag 3 Carbon Monoxide	
N2O	Nitrous Oxide		CO BAG 4	Bag 4 Carbon Monoxide	
SPITBACK	Spitback Hydrocarbon in grams		NMOG BAG 1	Bag 1 Non-methane organic gases	
AMP-HRS	Integrated Amp-hours		NMOG BAG 2	Bag 2 Non-methane organic gases	
START-SOC	System Start State of Charge Watt-hours		NMOG BAG 3	Bag 3 Non-methane organic gases	
END-SOC	System End State of Charge Watt-hours		NMOG BAG 4	Bag 4 Non-methane organic gases	
ACT-DISTANCE	Actual Distance Driven (miles)				
Certification Region					

Certification Summary Information Report

Test Group		TPRXT00.0EMT		Evaporative/Refueling Family		--	
CA	California + CAA Section 177 states			FA	Federal		
Exhaust Emission Standard Level							
B1	Federal Tier 2 Bin 1			T3B160	Federal Tier 3 Bin 160		
B2	Federal Tier 2 Bin 2			T3B125	Federal Tier 3 Bin 125		
B3	Federal Tier 2 Bin 3			T3B110	Federal Tier 3 Transitional Bin 110		
B4	Federal Tier 2 Bin 4			T3B85	Federal Tier 3 Transitional Bin 85		
B5	Federal Tier 2 Bin 5			T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover		
B6	Federal Tier 2 Bin 6			T3B70	Federal Tier 3 Bin 70		
B7	Federal Tier 2 Bin 7			T3B50	Federal Tier 3 Bin 50		
B8	Federal Tier 2 Bin 8			T3B30	Federal Tier 3 Bin 30		
B9	Federal Tier 2 Bin 9			T3B20	Federal Tier 3 Bin 20		
B10	Federal Tier 2 Bin 10			T3B0	Federal Tier 3 Bin 0		
B11	Federal Tier 2 Bin 11			HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395		
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)			HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340		
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)			HDV2B250	Federal Tier 3 HD Class 2b Bin 250		
L2	California LEV-II LEV			HDV2B200	Federal Tier 3 HD Class 2b Bin 200		
L2OP	California LEV-II LEV Optional			HDV2B170	Federal Tier 3 HD Class 2b Bin 170		
U2	California LEV-II ULEV			HDV2B150	Federal Tier 3 HD Class 2b Bin 150		
S2	California LEV-II SULEV			HDV2B0	Federal Tier 3 HD Class 2b Bin 0		
ZEV	California ZEV			HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630		
OT	Other			HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570		
T1	Federal Tier 1			HDV3B400	Federal Tier 3 HD Class 3 Bin 400		
PZEV	California PZEV			HDV3B270	Federal Tier 3 HD Class 3 Bin 270		
L2LEV160	California LEV-II LEV160			HDV3B230	Federal Tier 3 HD Class 3 Bin 230		
L2ULEV125	California LEV-II ULEV125			HDV3B200	Federal Tier 3 HD Class 3 Bin 200		
L2SULEV30	California LEV-II SULEV30			HDV3B0	Federal Tier 3 HD Class 3 Bin 0		
L2LEV395	California LEV-II LEV395			L4SULEV100	California LEV-IV SULEV100		
L2ULEV340	California LEV-II ULEV340			L4SULEV125	California LEV-IV SULEV125		
L2LEV630	California LEV-II LEV630			L4SULEV15	California LEV-IV SULEV15		
L2ULEV570	California LEV-II ULEV570			L4SULEV150	California LEV-IV SULEV150		
L3LEV160	California LEV-III LEV160			L4SULEV170	California LEV-IV SULEV170		
L3ULEV125	California LEV-III ULEV125			L4SULEV175	California LEV-IV SULEV175		
L3ULEV70	California LEV-III ULEV70			L4SULEV20	California LEV-IV SULEV20		
L3ULEV50	California LEV-III ULEV50			L4SULEV200	California LEV-IV SULEV200		
L3SULEV30	California LEV-III SULEV30			L4SULEV230	California LEV-IV SULEV230		
L3SULEV20	California LEV-III SULEV20			L4SULEV25	California LEV-IV SULEV25		
L3LEV395	California LEV-III LEV395			L4SULEV30	California LEV-IV SULEV30		
L3ULEV340	California LEV-III ULEV340			L4SULEV75	California LEV-IV SULEV75		
L3ULEV250	California LEV-III ULEV250			L4SULEV85	California LEV-IV SULEV85		
L3ULEV200	California LEV-III ULEV200			L4ULEV125	California LEV-IV ULEV125		

Certification Summary Information Report

Test Group		TPRXT00.0EMT	Evaporative/Refueling Family		--
L3SULEV170	California LEV-III SULEV170		L4ULEV200	California LEV-IV ULEV200	
L3SULEV150	California LEV-III SULEV150		L4ULEV250	California LEV-IV ULEV250	
L3LEV630	California LEV-III LEV630		L4ULEV270	California LEV-IV ULEV270	
L3ULEV570	California LEV-III ULEV570		L4ULEV40	California LEV-IV ULEV40	
L3ULEV400	California LEV-III ULEV400		L4ULEV400	California LEV-IV ULEV400	
L3ULEV270	California LEV-III ULEV270		L4ULEV50	California LEV-IV ULEV50	
L3SULEV230	California LEV-III SULEV230		L4ULEV60	California LEV-IV ULEV60	
L3SULEV200	California LEV-III SULEV200		L4ULEV70	California LEV-IV ULEV70	
Transmission Type Code					
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual		
A	Automatic	OT	Other		
AM	Automated Manual	SA	Semi-Automatic		
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)		
Drive System Code					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		
F	2-Wheel Drive, Front	A	All Wheel Drive		
R	2-Wheel Drive, Rear				
Additional Terms and Acronyms					
AFC	Alternative Fuel Converter	ICI	Independent Commercial Importer		
CSI	Certificate Summary Information	ORVR	Onboard Refueling Vapor Recovery		
DF	Deterioration Factor	SIL	Shift Indicator Light		
Evap	Evaporation, Evaporative	Trans	Transmission		

Section 8~Manufacturer Statements

8.01>> Emission Testing Waiver Statements

General Statement	All Porsche Battery-Electric vehicles will conform with the emissions standards for which data is not being provided, as allowed under 40 CFR 86.1829-01.
Electric vehicle emissions	According to 40 CFR 86.1829-15(f), which states that tailpipe emissions of regulated pollutants from vehicles powered solely by electricity are deemed to be zero, and based on relevant engineering evaluations, we state as the manufacturer that all electric vehicles included in this application comply with the requirements given in 40 CFR Part 86.

Section 8~Manufacturer Statements

8.02>> Manufacturer Attestations

GHG Compliance	As part of the Volkswagen Group of America, Porsche is not subject to GHG compliance as an independent entity. GHG compliance is managed at the Group level by VWGoA.
Tier 3 / LEV-IV Fleet Averages and Phase-Ins	As part of the Volkswagen Group of America, Porsche is not subject to these requirements as an independent entity. Tier 3 and LEV-IV compliance is managed at the Group level by VWGoA.
California ASM and Inspection / Maintenance Standards	In accordance with ARB MAC#99-05, Porsche hereby certifies that, based upon its engineering evaluation, vehicles of this test group comply with ASM and I/M standards.
Other	Porsche attests that all vehicles in this test group are battery-electric vehicles, without fuel-fired heaters. See Section 8.01.
Production Vehicle same as Test Vehicle statement	The production vehicles represented by the particular engine families will be in all material respects of the same design as those for which vehicle approval is granted.

Section 9~OBD Description

9.01>> OBD System Description

Not Applicable. OBD not required for Battery-Electric vehicles.

Section 10~Description of Alternate-Fueled Vehicles

Porsche builds only gasoline (ICE), gasoline-electric hybrid, and battery-electric vehicles.

Section 11~AECD Description

Battery Electric Vehicle: No Auxiliary Emissions Control Devices

Section 12~Test Parameters and Description of Vehicles Covered by Certificate

12.01>> Vehicle Description and Parameters; All Vehicles

Sales Area	50 State
Catalysts	Not Applicable
EGR Type	Not Applicable
Air Pump Type	Not Applicable
Starting Procedure	See Section 6.02
Cooling Fan	
Shift Indicator Light	Not Applicable
EGR Type	Not Applicable
Air Pump Type	Not Applicable
Drive Accuracy Per 1068.425	Yes
Fuel Temperature Profile	Not Applicable
Shift Schedules	Not Applicable

Note: The Battery Energy Capacity listed in the following Vehicle Description Details has been determined in accordance with the U.S. Advanced Battery Consortium's Electric Vehicle Battery Procedure Manual (January 1996), Procedure No. 2, "Constant Current Discharge Test Series," using the C/3 rate. The listed Battery System Weight reflect completely functional battery systems as defined in the Appendix of the Manual, including pack(s), required support ancillaries (e.g., thermal management), and electronic controller. There are also no specific battery-electric vehicle mileage break in procedures.

Section 12~Test Parameters and Description of Vehicles Covered by Certificate

12.01.01>> Vehicle Description Details

Model Name	Macan Turbo Electric	Macan Turbo Electric	Macan Turbo Electric	Macan GTS Electric
Carline	341	341	341	373
Vehicle Classification	LDT4	LDT4	LDT4	LDT4
Transmission	A1	A1	A1	A1
Engine Code	FA: EBZ A RA: ECM A	FA: EBZ A RA: ECM A	FA: EBZ A RA: ECM A	FA: EBZ A RA: ECM A
Number of Drive E-Motors	2	2	2	2
Total E-Motor Power (HP)	576	576	576	509
E-Motor Power type	AC Permanent Magnet, Synchronous	AC Permanent Magnet, Synchronous	AC Permanent Magnet, Synchronous	AC Permanent Magnet, Synchronous
Battery Type	Lithium-Ion	Lithium-Ion	Lithium-Ion	Lithium-Ion
Recharge Voltage (Volts)	110 to 800	110 to 800	110 to 800	110 to 800
Number of Battery Cells	180	180	180	180
Number of Battery Packs (modules)	12	12	12	12
Number of Cells per Module	15	15	15	15
Battery Energy Capacity (A-h)	151	151	151	151
Battery System Voltage Range	504 - 756	504- 756	504 - 756	504 - 756
Battery Specific Energy (W-hr/kg)	173	173	173	173
Battery System Weight (kg)	578	578	578	578
Drive Type	AWD	AWD	AWD	AWD
ETW [Lbf]	6000	6000	6000	6000
Curb Weight	5558	5560	5551	5520
Gross Vehicle Weight	6504	6504	6504	6482
Axle Ratio	9.00	9.00	9.00	9.00
N/V Ratio Fr Axle	102.6	102.6	102.6	102.6
N/V Ratio Rr Axle	103.4	103.4	103.4	103.4
Tire Size s	Front	255/40 R22	255/40 R22	255/40 R22
	Rear	295/35 R22	295/35 R22	295/35 R22
RLHP		15.7	14.2	13.5
Single Roll Coefficients (target)	A [lbf]	47.97	41.00	39.00
	B [lbf/mph]	0.1791	0.2044	0.2044
	C [lbf/mph ²]	0.02439	0.02208	0.02067

Note: blank cells or tables are intentionally blank.

Section 12~Test Parameters and Description of Vehicles Covered by Certificate

12.01.02>> Vehicle Description Details, Continued

Model Name	Macan GTS Electric	Macan 4S Electric	Macan 4S Electric	Macan 4S Electric
Carline	373	320	320	320
Vehicle Classification	LDT4	LDT4	LDT4	LDT4
Transmission	A1	A1	A1	A1
Engine Code	FA: EBZ A RA: ECM A	FA: EBZ A RA: ECL A	FA: EBZ A RA: ECL A	FA: EBZ A RA: ECL A
Number of Drive E-Motors	2	2	2	2
Total E-Motor Power (HP)	509	442	442	442
E-Motor Power type	AC Permanent Magnet, Synchronous	AC Permanent Magnet, Synchronous	AC Permanent Magnet, Synchronous	AC Permanent Magnet, Synchronous
Battery Type	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Recharge Voltage (Volts)	110 to 800	110 to 800	110 to 800	110 to 800
Number of Battery Cells	180	180	180	180
Number of Battery Packs (modules)	12	12	12	12
Number of Cells per Module	15	15	15	15
Battery Energy Capacity (A-h)	151	151	151	151
Battery System Voltage Range	504 - 756	504 - 756	504 - 756	504 - 756
Battery Specific Energy (W-hr/kg)	173	173	173	173
Battery System Weight (kg)	578	578	578	578
Drive Type	AWD	AWD	AWD	AWD
ETW [Lbf]	6000	6000	6000	5500
Curb Weight	5523	5428	5430	5393
Gross Vehicle Weight	6482	6460	6460	6460
Axle Ratio	9.00	10.07	10.07	10.07
N/V Ratio Fr Axle	102.6	106.0	106.0	106.0
N/V Ratio Rr Axle	103.4	115.1	115.1	115.1
Tire Size s	Front	255/40 R22	255/45 R21	255/45 R21
	Rear	295/35 R22	295/40 R21	295/40 R21
RLHP	14.2	15.6	14.6	14.1
Single Roll Coefficients (target)	A [lbf]	41.01	49.80	41.12
	B [lbf/mph]	0.2044	-0.0376	0.1585
	C [lbf/mph ²]	0.02208	0.02777	0.02422

Note: blank cells or tables are intentionally blank.

Section 12~Test Parameters and Description of Vehicles Covered by Certificate

12.01.03>> Vehicle Description Continued

Model Name	Macan 4 Electric	Macan 4 Electric	Macan 4 Electric	
Carline	302	302	302	
Vehicle Classification	LDT4	LDT4	LDT4	
Transmission	A1	A1	A1	
Engine Code	FA: EBZ A RA: ECE A	FA: EBZ A RA: ECE A	FA: EBZ A RA: ECE A	
Number of Drive E-Motors	2	2	2	
Total E-Motor Power (HP)	382	382	382	
E-Motor Power type	AC Permanent Magnet, Synchronous	AC Permanent Magnet, Synchronous	AC Permanent Magnet, Synchronous	
Battery Type	Lithium Ion	Lithium Ion	Lithium Ion	
Recharge Voltage (Volts)	110 to 800	110 to 800	110 to 800	
Number of Battery Cells	180	180	180	
Number of Battery Packs (modules)	12	12	12	
Number of Cells per Module	15	15	15	
Battery Energy Capacity (A-h)	151	151	151	
Battery System Voltage Range	504 - 756	504- 756	504 - 756	
Battery Specific Energy (W-hr/kg)	173	173	173	
Battery System Weight (kg)	578	578	578	
Drive Type	AWD	AWD	AWD	
ETW [Lbf]	5500	5500	5500	
Curb Weight	5377	5379	5362	
Gross Vehicle Weight	6437	6437	6437	
Axle Ratio	9.77	9.77	9.77	
N/V Ratio Fr Axle	106.0	106.0	106.0	
N/V Ratio Rr Axle	111.7	111.7	111.7	
Tire Size s	Front	255/45 R21	255/45 R21	255/45 R21
	Rear	295/40 R21	295/40 R21	295/40 R21
RLHP		15.1	13.7	12.9
Single Roll Coefficients (target)	A [lbf]	39.88	35.27	33.09
	B [lbf/mph]	0.3817	0.2761	0.2761
	C [lbf/mph ²]	0.02185	0.02144	0.01981

Note: blank cells or tables are intentionally blank.

Section 12~Test Parameters and Description of Vehicles Covered by Certificate

12.02>> Regenerative Braking

Overall description of Porsche regenerative (recuperative) braking system

- 1) Every deceleration ≤ 0.3 g is by regenerative braking.
- 2) Under default settings there is no regenerative braking when both brake and accelerator pedals are released. Porsche refers to this as "coasting".
- 3) If the driver selects Sport mode, there is regenerative braking instead of coasting when the accelerator pedal is released.
- 4) Optional regenerative functionality via Sport mode defaults to "Off" at key cycle.
- 5) Low frequency of friction brake actuation prompted implementation of two additional functions:
- 6) Function 1 is a "wearing-in" of brakes when new, and following brake service.
- 7) Function 1 occurs after delivery and brake service for 300 km to 600 km.
- 8) Function 1 is initially activated by dealership at time of delivery to customer.
- 9) Function 2 is a "brake refresh" after parking or extended vehicle storage.
- 10) Function 2 occurs after parking over 6 hours; dissipates 500 kJ of energy (e.g., 52 to 25 mph).

Section 13~Projected Sales

13.01>> Sales / Phase-ins

Confidential. See Section 16 in CBI version.

Section 14~Request for Certification

14.01>> Statement of Compliance

Porsche states that any element of design, system, or emission control device installed on or incorporated in Porsche's new motor vehicles or new motor vehicle engines for the purpose of complying with standards prescribed under section 202 of the Clean Air Act, will not, to the best of Porsche's information and belief, cause the emission into the ambient air of pollutants in the operation of its motor vehicles or motor vehicle engines which cause or contribute to an unreasonable risk to public health or welfare except as specifically permitted by the standards prescribed under section 202 of the Clean Air Act. Porsche further states that any element of design, system, or emission control device installed or incorporated in Porsche's new motor vehicles or motor vehicle engines for the purpose of complying with standards prescribed under section 202 of the Clean Air Act, will not, to the best of Porsche's information and belief, cause or contribute to an unreasonable risk to public safety.

The term pollutants means:

- a. Diesel particulates
- b. Nickel
- c. MMT combustion products
- d. Ammonia
- e. Sulfates
- f. Hydrogen sulfide
- g. Hydrogen cyanide
- h. Ruthenium combustion products
- i. Nitrosamines,

or any other pollutant, which Porsche has identified, which can reasonably be expected to be emitted from these vehicles.

All vehicles have been tested in accordance with good engineering practice to ascertain that such test vehicles meet the requirements of this section for the useful life of the vehicle.

The test vehicles with respect to which data are submitted are in all materials respects as described in the application for certification, have been tested in accordance with the applicable test procedures utilizing the fuels and equipment described in the application for certification, they meet the requirements of such tests, and on the basis of such tests, they conform to the requirements of the regulations in 40CFR, Part 86, Subpart A.

Signed and dated by:



October 20, 2025

Michael Scott – Porsche Cars North America, Inc.

Section 15~Other Information

15.01>> Fee Filing Form

Appears on the following page.

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 08/11/2025

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

PRX

Manufacturer Name *

Porsche Cars North America

Contact Name *

Peter Khamphouvong

Contact Email Address *

peter.khamphouvong@porsche.us

Contact Phone *

6787091264

Calendar Year complete application submitted
to EPA *

2025

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2025, through December 31, 2025. The applicable fee is determined by the

calendar year in which the complete certification application is received, not the model year.

Engine Family / Evaporative Family / Test Group *

TPRXT00.0EMT

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

- ☒ On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (Federal) (A, B, D, J, T, V)
- ☐ On-Highway HDE Dyno Cert (Federal) (E, H)
- ☐ On-Highway LD ICI, MDPV ICI, HDV ICI (A, B, D, J, T, V)
- ☐ On-Highway Motorcycle (C)
- ☐ On-Highway HDV Evap (F)
- ☐ On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (California-Only) (A, B, D, J, T, V)
- ☐ On-Highway HDE Dyno Cert (California-Only) (E, H)
- ☐ Nonroad CI (L)
- ☐ Nonroad SI (B, S)
- ☐ Locomotive (G, K)
- ☐ All Nonroad Recreational, excluding Marine engines (X, Y)
- ☐ All Marine (Including IMO) (M, N, W)
- ☐ Component Certification for Evaporative Emissions (P)

IMO Name (Required for dual US/IMO Marine Only)

ICI VIN Number (Required for ICIs Only)

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

\$32,939.00

Payment Type *

Offline ACH

Comments

EPA Form Number 3520-29

OMB Control No.2060-0545

Approval expires 7/31/2027

The public reporting and recordkeeping burden for this collection of information is estimated to average 12 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

The content of this document may contain Sensitive But Unclassified (SBU) data and/or Controlled Unclassified Information (CUI).

Khamphouvong, Peter (PCNA-BR2)

From: Stump, Barbara <Stump.Barbara@epa.gov>
Sent: Monday, September 29, 2025 2:43 PM
To: Khamphouvong, Peter (PCNA-BR2)
Subject: EPA MVECP Certification Fees Correction/Revision for TPRXT00.0EMS

ATTENTION: This is an external email. Do not click links or open attachments unless you recognize the sender and know the content is safe. Please use the Phish Alert Button in your Outlook ribbon to report suspicious emails.

Hello,

The fee correction is done. The fee payment has been corrected to TPRXV00.0EMS in EPA's fees system.

Best regards,

Barbara Stump

Business Process Analyst

Contractor to the U.S. EPA

OTAQ, Implementation, Analysis and Compliance Division

stump.barbara@epa.gov

GENERAL DYNAMICS
Information Technology

Section 16~Confidential Information

None.

PORSCHE

END OF DOCUMENT