



2025





ASSISTANCE COMPETENCE

71%

SAFETY BACKUP





SPECIFICATIONS

SYSTEM NAME	XPILOT ASSIST		
Version Tested	XPO v5.2.5_Beta		
Intended Operation Design Domain	● Highway X Inter-Urban X Urban		

■ RECOMMENDED **X** NOT RECOMMENDED

Comments

XPeng's appropriately-named 'XPILOT ASSIST accurately portrays the system functionality. The promotional material and the handbook correctly indicate the limitations of the system capabilities. System status information is clearly displayed but not in the driver's direct line of sight. The G9 monitors that the driver keeps their hands on the steering wheel, and 'locks-out' the assistance system if there are repeated warnings. The car's driver monitoring system detects fatigue but not distraction. The system balances driver steering input with lane guidance, promoting co-operative driving.

The G9 combines map-based speed limit information with real time camera inputs to manage fixed, variable and temporary speed limit signs. The system also adapts for upcoming curves in the road but not for other road features such as junctions. The car responds to avoid or mitigate a collision in almost all of the test scenarios for automatic cruise control. The driver is supported through the S-Bend, staying within the lane at all test speeds. The XPeng has a lane change assist feature. In the case of an unresponsive driver, the car does not perform a controlled stop within its lane. However, if the radar or camera is blocked, the G9 provides a timely warning and prevents system activation.

'XPILOT ASSIST', as fitted to the XPeng G9, balances a good level of Vehicle Assistance with a similar level of Driver Engagement.
Combined with a reasonable level of safety back-up, the system, overall, offers Good highway assistance.

Disclaimer

When using Assisted Driving Systems (also known as SAE Level 2 systems), a driver's responsibilities include monitoring the system's control of speed, braking and steering at all times, strict compliance with traffic rules, and maintaining situational awareness throughout the journey.

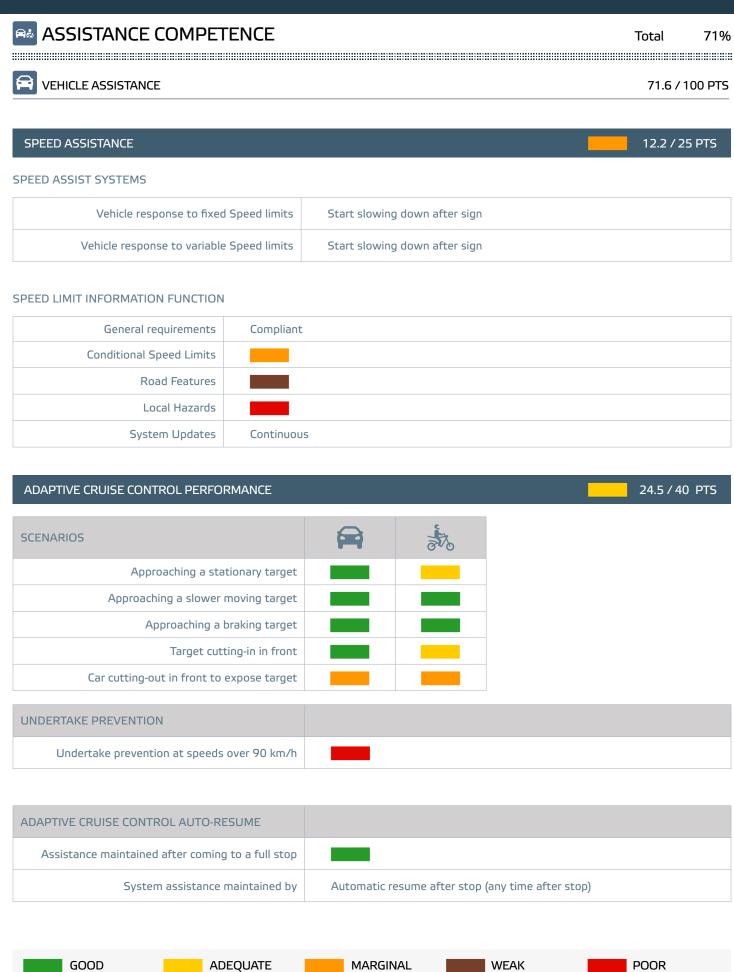
Certain situations might negatively influence the system's performance (e.g. poor weather, faded lane markings, construction zones, exiting a tunnel), resulting in a sudden interruption of the lateral and/or longitudinal support (system disengagement). Moreover, the system may fail to detect certain road users such as motorcyclists not directly in front of the vehicle, or stationary objects.

Appropriate fitness to drive is critical for safe travel, even when using Assisted Driving Systems. Visual distraction (e.g. eyes off the road), impairment (e.g. drowsiness, intoxication) as well as unresponsiveness, poses high risks. It is highly recommended to keep your hands on the steering wheel at all times to ensure immediate reaction when the system disengages.



ASSISTANCE COMPETENCE			Total 71	
DRIVER ENGAGEMENT				73.0 / 100 PT
CONSUMER INFORMATION				25.0 / 25 PTS
System Name	XPILOT ASSIS	ST .		
Marketing Material	XPILOT ASSIS	ST 🗹 Viewed 27 Ma	y 2025	
Quick Start Guide				
Vehicle Handbook	丛 Viewed 2	7 May 2025		
SYSTEM STATUS				15.0 / 25 Pts
Continuous System Status Indicator				
System Status Change Indicator				
DRIVER MONITORING				10.0 / 20 PTS
Hands-on Monitoring				
Direct Driver Monitoring				
DRIVING COLLABORATION				23.0 / 25 Pts
Increase in Steering Torque				
Override response				
System continues to assist while driver	teers to avoid ob	stacle		
GOOD ADE	QUATE	MARGINAL	WEAK	POOR







STEERING ASSISTANC		35.0 / 35 PTS
SCENARIOS		
80 km/h	Vehicle stays in lane	
100 km/h	Vehicle stays in lane	
120 km/h	Vehicle stays in lane	
Lane Change Assist	•	

GOOD

ADEQUATE

MARGINAL

WEAK

POOR



SAFETY BACKUP

Total

71%

SYSTEM FAILURE	25.0 / 25 PTS

	ENGAGEMENT	WARNING	
SENSOR BLOCKED AT START-UP			
Camera	Full blockage after a 5 minute drive	Unknown (no OEM data) after sensor blocking	
Radar	Partial blockage after a 5 minute drive	Unknown (no OEM data) after sensor blocking	
SENSOR BLOCKED WITH VEHICLE IN MOTION, SYSTEM INACTIVE			
Camera	Full blockage after a 5 minute drive	Unknown (no OEM data) after sensor blocking	
Radar	After a 5 minute drive	After sensor blocking	
SENSOR BLOCKED WITH VEHICLE IN MOTION, SYSTEM ACTIVE			
Camera	Full blockage within 2 minutes after blocking	After sensor blocking	
Radar	Partial blockage after sensor blocking	After sensor blocking	

UNRESPONSIVE DRIVER INTERVENTION

0.0 / 25 PTS

Hands Off Warning Timeline

0



COLLISION AVOIDANCE 46.2 / 50 PTS

SCENARIOS		*	泛
Approaching a stationary target			_
Approaching a slower moving target			_
Approaching a braking target			_
Target cutting-in in front			_
Car cutting-out in front to expose target			_
Approaching the target along the roadside	_	_	

GOOD ADEQUATE MARGINAL WEAK POOR