APPENDIX 'B' - PERFORMANCE CHECK

TEST DATA RECORD SHEET – 1

Initial Checks

Project   :   DP231
DUT   :   In Vehicle Crew Console
Serial No. :   R0274007

Date: 07/03/25

Test Condition: POST - ATP

Test No.	Name of the Test	Status	Remarks
1	VISUAL INSPECTION	Pass	
2	ISOLATION TEST	Pass	
3	POWER ON TEST	Pass	
4	POWER OFF TEST	Pass	
5	SBC TESTING	Pass	
5.1	PROCESSOR DETECTION TEST	Pass	
5.2	RAM DETECTION TEST	Pass	
5.3	SSD STORAGE DETECTION TEST	Pass	
5.4	NETWORK PORT TEST	Pass	
5.5	SERIAL COMMUNICATION PORTS TESTS	Pass	
5.6	USB PORTS TEST	Pass	
6	RS422 – COM 3 PORT TEST (Ubuntu 22.04)	Pass	
7	MEMBRANE KEYBOARD & BEZEL KEYS TEST	Pass	
8	JOYSTICK TEST	Pass	
9	10.2" DISPLAY TEST	Pass	
10	EMERGENCY BUTTON TEST	Pass	

Rug-Rel Rep

DP Rep

TEST DATA RECORD SHEET – 2

Random Vibration – 1

Project   : DP231
DUT   : In Vehicle Crew Console
Serial No. : R0274007

Date: 07/03/25

Test Condition:

	Voltage (V)	Current (A)	Red LED Status
X AXIS	28 vdc	0.83 A	ON
Y AXIS	28 vdc	0.92 A	ON
Z AXIS	28 vdc	0.81 A	ON

Rug-Rel Rep

DP Rep

TEST DATA RECORD SHEET – 3

Thermal Cycling

Project : DP231
DUT : In Vehicle Crew Console
Serial No. : R0274007

Date: 9/3/2025

Test Condition:

Time	Voltage (V)	Current (A)	Ubuntu Boot Status
10:52pm	28V	0.91A	OK
12:37am	28V	0.41A	OK
2:22am	28V	0.92A	OK
4:07am	28V	0.42A	OK
5:52am	28V	0.93A	OK
7:37am	28V	0.42A	OK
9:22am	28V	0.89A	OK
11:07am	28V	0.41A	OK
12:52pm	28V	0.92A	OK
2:37pm	28V	0.43A	OK
4:22pm	28V	0.93A	OK
6:07pm	28V	0.41A	OK
7:52pm	28V	0.91A	OK
2:37pm	28V	0.42A	OK
4:22pm	28V	0.92A	OK
6:07pm	28V	0.43A	OK
7:52pm	28V	0.93A	OK
9:37pm	28V	0.44A	OK
11:22pm	28V	0.91A	OK
1:07am	28V	0.41A	OK

Rug-Rel Rep

DP Rep

TEST DATA RECORD SHEET – 4

Random Vibration – 2

Project : DP231

DUT : In Vehicle Crew Console

Serial No. : R0274007

Date: 9/3/2025

Test Condition:

	Voltage (V)	Current (A)	Red LED Status
X AXIS	28Vdc	0.83 A	ON
Y AXIS	28Vdc	0.92 A	ON
Z AXIS	28Vdc	0.81 A	ON

Rug-Rel Rep

DP Rep

TEST DATA RECORD SHEET – 5

Final Checks

Project : DP231
DUT : In Vehicle Crew Console
Serial No. : R0274007

Date: 7/3/2025

Test Condition:

Test No.	DP test	Status	Remarks
1	VISUAL INSPECTION	pass	
2	ISOLATION TEST	pass	
3	POWER ON TEST	pass	
4	POWER OFF TEST	pass	
5	SBC TESTING	pass	
5.1	PROCESSOR DETECTION TEST	pass	
5.2	RAM DETECTION TEST	pass	
5.3	SSD STORAGE DETECTION TEST	pass	
5.4	NETWORK PORT TEST	pass	
5.5	SERIAL COMMUNICATION PORTS TESTS	pass	
5.6	USB PORTS TEST	pass	
6	RS422 – COM 3 PORT TEST (Ubuntu 22.04)	pass	
7	MEMBRANE KEYBOARD & BEZEL KEYS TEST	pass	
8	JOYSTICK TEST	pass	
9	10.2" DISPLAY TEST	pass	
10	EMERGENCY BUTTON TEST	pass	

Rug-Rel Rep

DP Rep