



Consultant in IT Technology & Quality Services

ACCEPTANCE TEST PROCEDURE

DOC
Name
ATP

PART NUMBER

0313-000-274

IN VEHICLE CREW CONSOLE

DP231

REV
A

SH No.
37

PREPD.
Shruti B R

DATE
23/01/25

Ver
1.0

No. OF SH
41

APPRD.
Athif Allam

DATE

APPENDIX 'B' - PERFORMANCE CHECK

TEST DATA RECORD SHEET - 1

Initial Checks

Project : DP231
DUT : In Vehicle Crew Console
Serial No. : R0274004

Date: 27-02-2025
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



Commitment towards Technology & Quality Services

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TEST DATA RECORD SHEET – 2

Random Vibration – 1

Project : DP231

Date: 27-02-2025

DUT : In Vehicle Crew Console

Serial No. : R0274004

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



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IN VEHICLE CREW CONSOLE

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Shruti B RDATE
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TEST DATA RECORD SHEET – 3

Thermal Cycling

Project : DP231

Date: 27-02-2025

DUT : In Vehicle Crew Console

Serial No.: R0274004

Test Condition:

Time	Voltage (V)	Current (A)	Ubuntu Boot Status
10:30 PM	28V	0.41A	OK
12:15 AM	28V	0.92A	OK
2:00 AM	28V	0.43A	OK
3:45 AM	28V	0.93A	OK
5:35 AM	28V	0.42A	OK
7:20 AM	28V	0.89A	OK
9:00 AM	28V	0.431A	OK
10:50 AM	28V	0.92A	OK
12:25 PM	28V	0.42A	OK
2:15 PM	28V	0.89A	OK
3:55 PM	28V	0.41A	OK
5:55 PM	28V	0.91A	OK
7:50 PM	28V	0.42A	OK
9:30 PM	28V	0.89A	OK
11:15 PM	28V	0.43A	OK
1:10 AM	28V	0.92A	OK
2:55 AM	28V	0.41A	OK
4:35 AM	28V	0.91A	OK
6:40 AM	28V	0.42A	OK
8:25 AM	28V	0.931A	OK

Rug-Rel Rep

DP Rep



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TEST DATA RECORD SHEET – 4

Random Vibration – 2

Project : DP231
DUT : In Vehicle Crew Console
Serial No. : R0274004

Date: 1-03-2025

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



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TEST DATA RECORD SHEET – 5

Final Checks

Project : DP231

Date: 27-02-2025

DUT : In Vehicle Crew Console

Test Condition:

Serial No. : R0274004

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	

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DP Rep