 Rug-Rel <small>Committed towards Technology & Quality Services</small>	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. : R0274001

Date: 21-02-2025
 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

 Rug-Rel <small>Commitment towards Technology & Quality Services</small>	ACCEPTANCE TEST PROCEDURE		DOC Name ATP	PART NUMBER 0313-000-274	
			REV A	SH No. 38	PREPD. Shruti B R
IN VEHICLE CREW CONSOLE DP231		Ver 1.0	No. OF SH 41	APPRD. Athif Allam	DATE

TEST DATA RECORD SHEET – 2

Random Vibration – 1

Project : DP231
 DUT : In Vehicle Crew Console
 Serial No. : R0274001

Date: 31-02-2025

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



Commitment towards Technology & Quality Services

ACCEPTANCE TEST PROCEDURE

DOC
Name
ATP

PART NUMBER

0313-000-274

IN VEHICLE CREW CONSOLE
DP231REV
ASH No.
39PREPD.
Shruti B RDATE
23/01/25Ver
1.0No. OF SH
41APPRD.
Athif Allam

DATE

TEST DATA RECORD SHEET – 3

Thermal Cycling

Project : DP231

Date: 21-01-2025

DUT : In Vehicle Crew Console


Serial No. : R0274001

Test Condition:

Time	Voltage (V)	Current (A)	Ubuntu Boot Status
10:00 pm	28V	0.91 A	OK
11:45 pm	28V	0.42 A	OK
1:30 AM	28V	0.89 A	OK
3:15 AM	28V	0.43 A	OK
5:00 AM	28V	0.93 A	OK
6:45 AM	28V	0.41 A	OK
8:30 AM	28V	0.91 A	OK
10:15 AM	28V	0.42 A	OK
12:00 PM	28V	0.92 A	OK
1:45 PM	28V	0.41 A	OK
3:30 PM	28V	0.89 A	OK
5:15 PM	28V	0.42 A	OK
7:00 PM	28V	0.93 A	OK
8:45 PM	28V	0.41 A	OK
10:30 PM	28V	0.89 A	OK
12:15 PM	28V	0.43 A	OK
2:00 PM	28V	0.93 A	OK
3:45 PM	28V	0.41 A	OK
5:30 PM	28V	0.89 A	OK
7:15 PM	28V	0.43 A	OK
9:00 PM	28V	0.93 A	OK
10:45 PM	28V	0.41 A	OK
12:30 AM	28V	0.897 A	OK
2:15 AM	28V	0.43 A	OK

Rug-Rel Rep

DP Rep

 Rug-Rel <small>Commitment towards Technology & Quality Services</small>	ACCEPTANCE TEST PROCEDURE		DOC Name ATP	PART NUMBER 0313-000-274	
			REV A	SH No. 40	PREPD. Shruti B R
IN VEHICLE CREW CONSOLE DP231		Ver 1.0	No. OF SH 41	APPRD. Athif Allam	DATE

TEST DATA RECORD SHEET – 4

Random Vibration – 2

Project : DP231
 DUT : In Vehicle Crew Console
 Serial No. : R0274001

Date: 23-02-2025

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



Commitment towards Technology & Quality Services

ACCEPTANCE TEST PROCEDURE

DOC
Name
ATP

PART NUMBER

0313-000-274

IN VEHICLE CREW CONSOLE

DP231

REV
A

SH No.
41

PREPD.
Shruti B R

DATE
23/01/25

Ver
1.0

No. OF SH
41

APPRD.
Athif Allam

DATE

TEST DATA RECORD SHEET – 5

Final Checks

Project : DP231

Date: 21-02-2025

DUT : In Vehicle Crew Console

Serial No. : R0274001

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