 <b>Rug-Rel</b> <small>Commitment Towards Technology &amp; Quality Services</small>	<b>ACCEPTANCE TEST PROCEDURE</b>		DOC Name ATP	<b>PART NUMBER</b> 0313-000-274	
			REV A	SH No. 37	PREPD. Shruti B R
<b>IN VEHICLE CREW CONSOLE</b> DP231		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. : R0274008


Date: 07-03-2025  
 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

 <b>Rug-Rel</b> <small>Commitment towards Technology &amp; Quality Services</small>	<b>ACCEPTANCE TEST PROCEDURE</b>		DOC Name ATP	<b>PART NUMBER</b> 0313-000-274	
			REV A	SH No. 38	PREPD. Shruti B R
<b>IN VEHICLE CREW CONSOLE</b> 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. : R0274008

Date: 07-03-2025



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

 <b>Rug-Rel</b> <small>Commitment towards Technology &amp; Quality Services</small>	<b>ACCEPTANCE TEST PROCEDURE</b>	DOC Name ATP	<b>PART NUMBER</b> 0313-000-274																																																																																				
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	Ver 1.0	No. OF SH 41	APPRD. Athif Allam																																																																																				
<b>TEST DATA RECORD SHEET – 3</b>  <b>Thermal Cycling</b>  <div style="display: flex; justify-content: space-between;"> <div>           Project : DP231            DUT : In Vehicle Crew Console            Serial No. : R0274008         </div> <div>           Date: 09-03-2025             Test Condition:         </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 15%;">Time</th> <th style="width: 15%;">Voltage (V)</th> <th style="width: 15%;">Current (A)</th> <th style="width: 55%;">Ubuntu Boot Status</th> </tr> </thead> <tbody> <tr><td>10:52 PM</td><td>28V</td><td>0.92 A</td><td>OK</td></tr> <tr><td>12:37 AM</td><td>28V</td><td>0.41 A</td><td>OK</td></tr> <tr><td>2:22 AM</td><td>28V</td><td>0.89 A</td><td>OK</td></tr> <tr><td>4:07 AM</td><td>28V</td><td>0.42 A</td><td>OK</td></tr> <tr><td>5:52 AM</td><td>28V</td><td>0.92 A</td><td>OK</td></tr> <tr><td>7:37 AM</td><td>28V</td><td>0.43 A</td><td>OK</td></tr> <tr><td>9:22 AM</td><td>28V</td><td>0.89 A</td><td>OK</td></tr> <tr><td>11:07 AM</td><td>28V</td><td>0.41 A</td><td>OK</td></tr> <tr><td>12:52 PM</td><td>28V</td><td>0.91 A</td><td>OK</td></tr> <tr><td>2:37 PM</td><td>28V</td><td>0.42 A</td><td>OK</td></tr> <tr><td>4:22 PM</td><td>28V</td><td>0.92 A</td><td>OK</td></tr> <tr><td>6:07 PM</td><td>28V</td><td>0.43 A</td><td>OK</td></tr> <tr><td>7:52 PM</td><td>28V</td><td>0.89 A</td><td>OK</td></tr> <tr><td>2:37 PM</td><td>28V</td><td>0.41 A</td><td>OK</td></tr> <tr><td>4:22 PM</td><td>28V</td><td>0.92 A</td><td>OK</td></tr> <tr><td>6:07 PM</td><td>28V</td><td>0.42 A</td><td>OK</td></tr> <tr><td>7:52 PM</td><td>28V</td><td>0.93 A</td><td>OK</td></tr> <tr><td>9:37 PM</td><td>28V</td><td>0.41 A</td><td>OK</td></tr> <tr><td>11:22 PM</td><td>28V</td><td>0.91 A</td><td>OK</td></tr> <tr><td>1:07 AM</td><td>28V</td><td>0.42 A</td><td>OK</td></tr> </tbody> </table> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>           Rug-Rel Rep  </div> <div>DP Rep</div> </div>				Time	Voltage (V)	Current (A)	Ubuntu Boot Status	10:52 PM	28V	0.92 A	OK	12:37 AM	28V	0.41 A	OK	2:22 AM	28V	0.89 A	OK	4:07 AM	28V	0.42 A	OK	5:52 AM	28V	0.92 A	OK	7:37 AM	28V	0.43 A	OK	9:22 AM	28V	0.89 A	OK	11:07 AM	28V	0.41 A	OK	12:52 PM	28V	0.91 A	OK	2:37 PM	28V	0.42 A	OK	4:22 PM	28V	0.92 A	OK	6:07 PM	28V	0.43 A	OK	7:52 PM	28V	0.89 A	OK	2:37 PM	28V	0.41 A	OK	4:22 PM	28V	0.92 A	OK	6:07 PM	28V	0.42 A	OK	7:52 PM	28V	0.93 A	OK	9:37 PM	28V	0.41 A	OK	11:22 PM	28V	0.91 A	OK	1:07 AM	28V	0.42 A	OK
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Rug-Rel  
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.  
40

PREPD.  
Shruti B R

DATE  
23/01/25

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. : R0274008

Date: 09-03-2025

Test Condition:

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

Rug-Rel Rep 

DP Rep





# 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  
DUT : In Vehicle Crew Console  
Serial No. : 20274008

Date: 07-03-2025

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