

 <b>Rug-Rel</b> <small>Commitment towards Technology &amp; Quality Records</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

## APPENDIX 'B' - PERFORMANCE CHECK

### TEST DATA RECORD SHEET - 1

#### Initial Checks

Project : DP231  
 DUT : In Vehicle Crew Console  
 Serial No. : R0274005

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

**IN VEHICLE CREW CONSOLE**  
DP231

REV  
A

SH No.  
38

PREPD.  
Shruti B R

DATE  
23/01/25

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. : R0274005

Date: 27/02/2025

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



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.  
39

PREPD.  
Shruti B R

DATE  
23/01/25

Ver  
1.0

No. OF SH  
41

APPRD.  
Athif Allam

DATE

### TEST DATA RECORD SHEET – 3

#### Thermal Cycling

Project : DP231

Date: 27/02/2025

DUT : In Vehicle Crew Console

Serial No. : R0274005

Test Condition:

Time	Voltage (V)	Current (A)	Ubuntu Boot Status
10:35pm	28V	0.42A	OK
12:20am	28V	0.93A	OK
2:05am	28V	0.41A	OK
3:50am	28V	0.89A	OK
5:40am	28V	0.421A	OK
7:25am	28V	0.91A	OK
9:05am	28V	0.432A	OK
10:55am	28V	0.93A	OK
12:30pm	28V	0.41A	OK
2:20pm	28V	0.90A	OK
4:00pm	28V	0.42A	OK
6:00pm	28V	0.91A	OK
7:55pm	28V	0.43A	OK
9:35pm	28V	0.92A	OK
11:20pm	28V	0.42A	OK
1:15pm	28V	0.89A	OK
3:00am	28V	0.431A	OK
4:40am	28V	0.92A	OK
6:45am	28V	0.41A	OK
8:30am	28V	0.931A	OK

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.  
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

Date: 01/03/2025

DUT : In Vehicle Crew Console

Serial No. : R0274005

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





**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.  
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: 27/02/2025

DUT : In Vehicle Crew Console

Serial No.: 20274005

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