

# **FCC IC RF Test Report**

Report No.: FCC\_IC\_SL21032601-RIVIAN-007\_RFID\_NDI Rev 2.0

Models: NDI 1.0

FCC ID: 2AW3A-1NAG20NDI

IC: 26958-1NAG20NDI

**Received Date:** 04/23/2021

Test Date: 04/23/2021-08/06/2021

Issued Date: 08/06/2021

Applicant name: RIVIAN

Address: 2708 Orchard Pkwy Ste. 10 San Jose, CA 95134

Manufacturer: RIVIAN

Address: 2708 Orchard Pkwy Ste. 10 San Jose, CA 95134

Issued By: Bureau Veritas Consumer Products Services, Inc.

Lab Address: 775 Montague Expressway, Milpitas, CA 95035



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# **Release Control Record**

Issue No.	Description	Date Issued
FCC_IC_ SL21032601-RIVIAN-007_RFID	Initial Release	05/15/2021
FCC_IC_ SL21032601-RIVIAN-007_RFID Rev_1.0	Update IC ID, change model name description per client review	06/23/2021
FCC_IC_SL21032601-RIVIAN-007_RFID_NDI	Update Per review	07/08/2021
FCC_IC_ SL21032601-RIVIAN-007_RFID_NDI_Rev 2.0	Update Per review	08/06/2021



1	Certificate	of Conformity
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Product(PMN): NFC Door Interior

Brand: RIVIAN

Test Model: NDI 1.0

HW Version: D

SW Version: 2.27

Part Number: PT00052845

Sample Status: Engineering sample

Applicant: RIVIAN

Test Date: 04/23/2021-04/27/2021

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.225)

RSS 210 Issue 10, December 2019

ANSI C63.10:2013

RSS Gen Issue 5, March 2019

The above equipment has been tested by **Bureau Veritas Consumer Products Services, Inc., Milpitas Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :	26	, Date:	07/08/2021	
	Said Abdelwafi / Test Engineer			
	Garg Chou			
		,		
Approved by :		Date:	08/06/2021	
	Gary Chou/ Engineer Reviewer			



# 2 Summary of Test Results

	47 CFR FCC Part 15, Subpart C (Section 15.225 / 15.215)						
	RSS 210 Issue 10 December 2019, RSS Gen Issue 5, March 2019						
FCC IC	To at Itama	Decella					
Clause	Test Item	Result	Remarks				
15.207	AC Power Conducted Emission	A.C. Davier Conducted Engineer	DC newer only				
RSS Gen 8.8	AC Power Conducted Emission	N/A	DC power only				
15.225 (a)	The field strength of any						
RSS 210 B.6.a.i	emissions within the band 13.553- 13.567 MHz	Pass	Meet the requirement of limit.				
	The field strength of any						
15.225 (b) RSS 210	emissions within the bands	Pass Meet the requirement of	NA - 4 4b - wa ayyina wa aya af liwais				
B.6.a.ii	13.410-13.553		Meet the requirement of limit.				
D.0.a.n	MHz and 13.567-13.710 MHz						
15.225 (c)	The field strength of any emissions						
RSS 210	within the bands 13.110-13.410	Pass	Meet the requirement of limit.				
B.6.a.iii	MHz and 13.710-14.010 MHz						
	The field strength of any						
15.225 (d)	emissions appearing outside of	Pass Meet the requiremen	Meet the requirement of limit.				
RSS Gen	the 13.110-14.010 MHz band						
15.225 (e)	13.110-14.010 WILIZ DAIIU						
RSS 210	The frequency tolerance	Pass	Meet the requirement of limit.				
B.6.b	, ,						
15.215 (c)	20dB Bandwidth & 99%	Pass	Meet the requirement of limit.				
RSS Gen 6.7	Bandwidth	. 400	most the requirement of infine				

# 2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	3.51dB
Radiated Emissions up to 1 GHz	30MHz ~ 1GHz	3.73dB

# 2.2 Modification Record

There were no modifications required for compliance.



## 3 General Information

# 3.1 General Description of EUT

Product(PMN)	NFC Door Interior
Brand	RIVIAN
TEST MODEL:	NDI 1.0
HW VERSION:	D
SW VERSION:	2.27
Status of EUT	Engineering sample
Power Supply Rating	13.5 Vdc (9V to 16V)
Modulation Type	ASK
Operating Frequency	13.56 MHz (HF)
Antenna Type	PCB loop antenna for 13.56 MHz (HF)
Antenna inductance	1 uH for 13.56 MHz (HF)

## Note:

- For HF, The matching circuit used between the antenna and the interface board is SCH-10090 Rev B.
- 2. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.



Report Format Version: 6.1.1

# 3.2 Description of Test Modes

3.2.1 1 channel is provided to this EUT

Channel	Freq. (MHz)	
1	13.56	

3.2.2 Test Mode Applicability and Tested Channel Detail

EUT		APPLICABLE TO			DESCRIPTION	
CONFIGURE MODE	RE	PLC	FS	EB	DESCRIPTION	
Α	√ - √ √		Continue Transmit			

Where RE: Radiated Emission PLC: Power Line Conducted Emission FS: Frequency Stability EB: 20dB Bandwidth measurement

**NOTE:** The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Y-plane**.

NOTE: "-" means no effect.

#### **Radiated Emission Test:**

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type
В	1	1	ASK

# **Power Line Conducted Emission Test:**

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations
between available modulations, data rates and antenna ports (if EUT with antenna diversity
architecture).

Following channel(s) was (were) selected for the final test as listed below.

	,		
EUT Configure Mode	Available Channel	Tested Channel	Modulation Type
В	1	1	ASK

## **Frequency Stability:**

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type
В	1	1	ASK

# **Test Condition:**

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY	
RE	25deg. C, 65%RH	13.5 Vdc	Said ABDELWAFI	
PLC	25deg. C, 65%RH	13.5 Vdc	Said ABDELWAFI	
FS	<b>FS</b> 25deg. C, 68%RH		Said ABDELWAFI	
BW	21deg. C, 60%RH	13.5 Vdc	Said ABDELWAFI	

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# 3.3 Description of Support Units

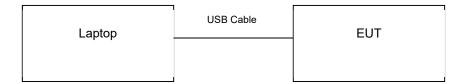
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks		
A.	Laptop	Thinkpad	0578-CTO	LR-16MAW	-	Provided by Customer		
B.								

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks	
1.	USB cable	1	0.8	Ν	0	Provided by Customer	

Note: The core(s) is(are) originally attached to the cable(s).

# 3.3.1 Configuration of System under Test



## 3.4 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

47 CFR FCC Part 15, Subpart C (Section 15.225) 47 CFR FCC Part 15, Subpart C (Section 15.215) RSS 210 Issue 10 December 2019 ANSI C63.10:2013 RSS Gen Issue 5, March 2019

All test items have been performed and recorded as per the above standards.



# 4 Test Types and Results

#### 4.1 Radiated Emission Measurement

#### 4.1.1 Limits of Radiated Emission Measurement

The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.

Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

#### NOTE:

- 1. The lower limit shall apply at the transition frequencies.
- Distance extrapolation factor = 40 log (specific distance / test distance)
   Limit Line (dBuV/m) = 20 log Emission level (uV/m) + Distance extrapolation factor
- 3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.



# 4.1.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
EMI Test Receiver Keysight	ESW 44	1328.4100K- 101662-MH	08/30/2020	08/30/2021
Spectrum Analyzer Keysight	N9030B	MY57140100	07/22/2020	07/22/2022
Passive Loop Antenna (9k-30MHz)	6512	49120	11/25/2019	11/25/2021
Biconilog Antenna (Sunol)	JB6	A111717	09/04/2020	09/04/2021
Preamplifier RF-BAY	LPA-6-30	11170602	05/06/2021	05/06/2022
10m Semi-Anechoic Chamber ETS-Lingren	S2010BL8X8	1462	07/21/2020	07/21/2022
RF Cable Semflex	05/06/2021	05/06/2022	05/06/2021	05/06/2022
Temperature/Humidity Chamber Test Equity	12/16/2020	12/16/2021	12/16/2020	12/16/2021



#### 4.1.3 Test Procedures

#### For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

#### NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30MHz.

#### For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

#### Note:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
- 4. All modes of operation were investigated and the worst-case emissions are reported.

#### 4.1.4 Deviation from Test Standard

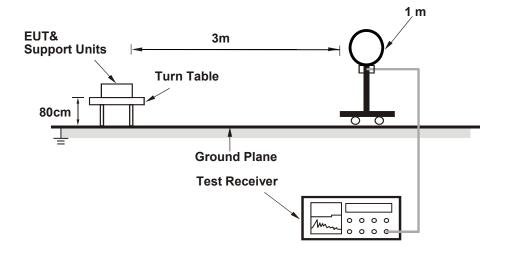
Report No.: FCC IC SL21032601-RIVIAN-007 RFID NDI Rev 2.0

No deviation.

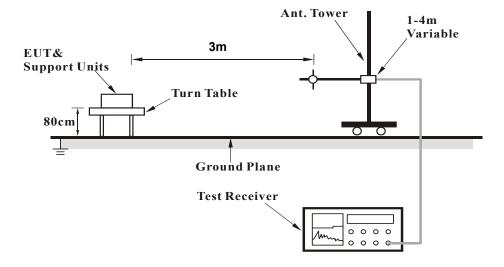


# 4.1.5 Test Setup

#### For Radiated emission below 30MHz



# For Radiated emission 30MHz to 1GHz



# 4.1.6 EUT Operating Conditions

- a. Connected the EUT with the Notebook Computer which is placed on remote site.
- b. Controlling software has been activated to set the EUT on specific status.

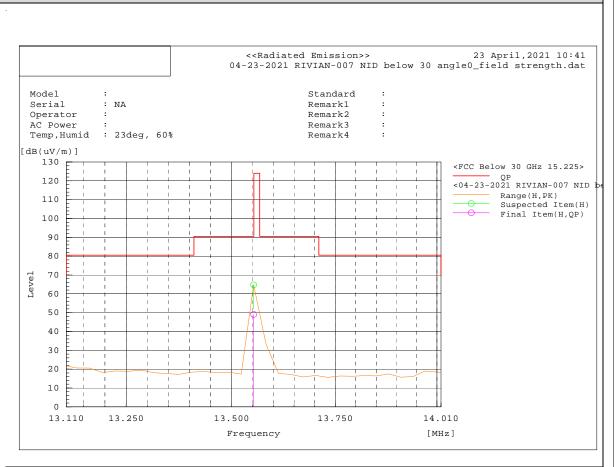


## 4.1.7 Test Results

# Field strength of Fundermantal Emissions



# Antenna Polarity & Test Distance: Loop Antenna 0 degree At 3m

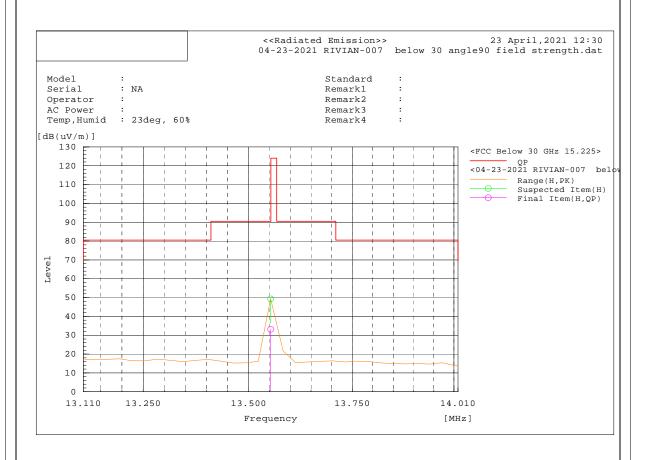


Antenna Polarity & Test Distance: Loop Antenna 0 degree At 3m										
No.	Frequency (MHz)	Polarization	Reading QP [dB(uV)]	Factor [dB(1/m)]	Level QP [dB(uV/m)]	Limit\QP dB(uV/m)	Margin QP [dB]	Height (cm)	Angle (Deg)	Pass/ Fail
1	13.56	0	47.2	1.8	49	124	-75.0	100.0	186.8	Pass





## Antenna Polarity & Test Distance: Loop Antenna 90 degree At 3m



	Antenna Polarity & Test Distance: Loop Antenna 90 degree At 3m										
No.	Frequency (MHz)	Polarization	Reading QP [dB(uV)]	Factor [dB(1/m)]	Level QP [dB(uV/m)]	Limit\QP dB(uV/m)	Margin QP [dB]	Height (cm)	Angle (Deg)	Pass/ Fail	
1	13.56	90	33.8	1.8	35.6	124	-54.9	100.0	33.8	Pass	



# Radiated Emissions (9 kHz~30 MHz)

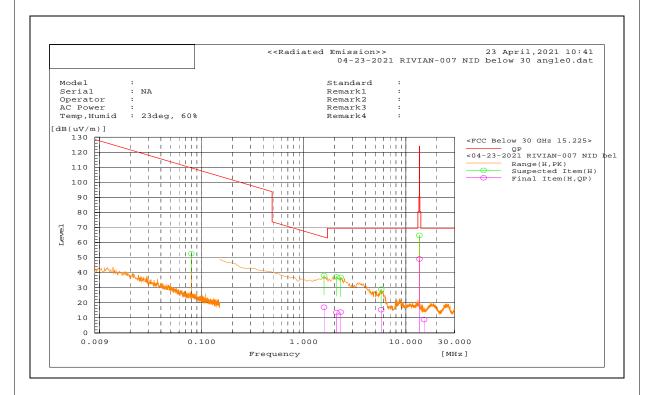
EUT Test Condition		Measurement Detail			
Channel 1		Frequency Range	13.56MHz		
Input Power	DC13.5V	Detector Function	Quasi-Peak		
Environmental Conditions	25 deg. C, 70% RH	Tested By	Said Abdelwafi		

#### NDI

	Antenna Polarity & Test Distance: Loop Antenna 0 degree At 3m											
No.	Frequency (MHz)	Polarization	Reading QP [dB(uV)]	Factor [dB(1/m)]	Level QP [dB(uV/m)]	Limit\QP dB(uV/m)	Margin QP [dB]	Height (cm)	Angle (Deg)	Pass/ Fail		
1	15.075	0	6.8	2	8.8	69.5	-60.7	100.0	122.1	Pass		
2	1.583	0	7.4	9.6	17	63.6	-46.6	100.0	4.3	Pass		
3	13.56	0	47.2	1.8	49	124	-75.0	100.0	186.8	Pass		

#### **REMARKS:**

- 1. Level (dBuV) = Reading (dBuV) + Factor (dB(1/m)).
- 2. Factor (dB(1/m)) = Antenna Factor(AF) (dB(1/m)) + Cable Loss (dB)
- 3. Margin value = Emission level Limit value.
- 4. The emission levels of other frequencies were less than 20dB margin against the limit.





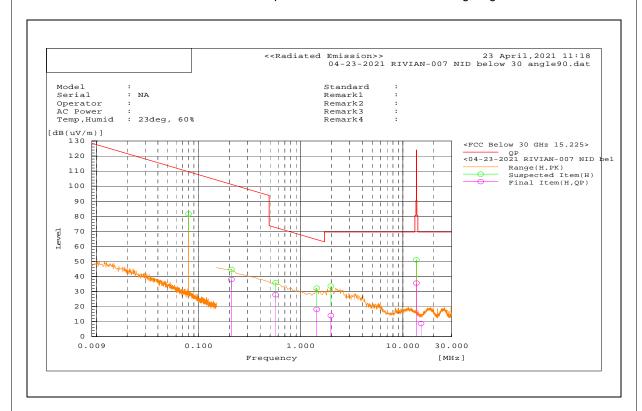
EUT Test Condition		Measurement Detail			
Channel	Channel 1	Frequency Range	13.56MHz		
Input Power	DC13.5V	Detector Function	Quasi-Peak		
Environmental Conditions	25 deg. C, 70% RH	Tested By	Said Abdelwafi		

#### NDI:

	Antenna Polarity & Test Distance: Loop Antenna 90 degree At 3m											
No.	Frequency (MHz)	Polarization	Reading QP [dB(uV)]	Factor [dB(1/m)]	Level QP [dB(uV/m)]	Limit\QP dB(uV/m)	Margin QP [dB]	Height (cm)	Angle (Deg)	Pass/ Fail		
1	15.075	90	6.8	2	8.8	69.5	-60.7	100.0	6.8	Pass		
2	0.21	90	12.1	25.9	38	101.2	-63.2	100.0	12.1	Pass		
3	13.56	90	33.8	1.8	35.6	124	-54.9	100.0	33.8	Pass		

#### **REMARKS:**

- 1. Level (dBuV) = Reading (dBuV) + Factor (dB(1/m)).
- 2. Factor (dB(1/m)) = Antenna Factor(AF) (dB(1/m)) + Cable Loss (dB)
- 3. Margin value = Emission level Limit value.
- 4. The emission levels of other frequencies were less than 20dB margin against the limit.





# Radiated Emissions (30 MHz~1000 MHz)

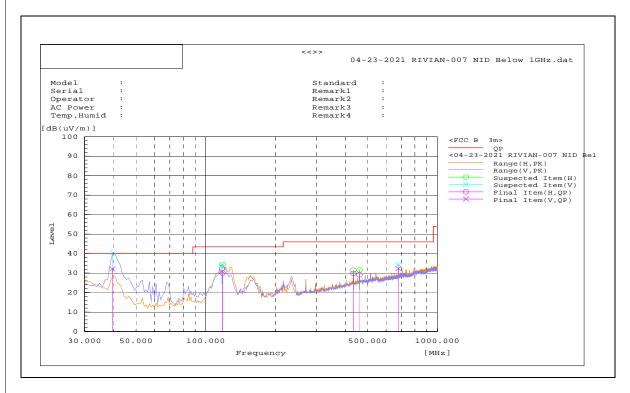
EUT Test Condition		Measurement Detail		
Channel	Channel 1	Frequency Range	13.56MHz	
Input Power	DC13.5V	Detector Function	Quasi-Peak	
Environmental Conditions	25 deg. C, 70% RH	Tested By	Said Abdelwafi	

#### NDI

	Antenna Polarity & Test Distance: Horizontal & Vertical at 3 m									
No.	Frequency (MHz)	Polarization	Reading QP [dB(uV)]	Factor [dB(1/m)]	Level QP [dB(uV/m)]	Limit\QP dB(uV/m)	Margin QP [dB]	Height (cm)	Angle (Deg)	Pass/ Fail
1	39.531	V	13.4	18.8	32.2	40	-7.8	100.8	316.3	Pass
2	117.683	V	11.5	19.3	30.8	43.5	-12.7	104.8	162.1	Pass
3	118.164	Н	10.9	19.1	30	43.5	-13.5	340.9	56.9	Pass
4	433.914	Н	6.2	23.7	29.9	46	-16.1	100.2	126.9	Pass
5	461.048	Н	4.7	24.4	29.1	46	-16.9	100.3	124.4	Pass
6	677.992	V	4.7	27.6	32.3	46	-13.7	100.6	118.4	Pass

#### **REMARKS:**

- 1. Level (dBuV) = Reading (dBuV) + Factor (dB(1/m)).
- 2. Factor (dB(1/m)) = Antenna Factor(AF) (dB(1/m)) + Cable Loss (dB)
- 3. Margin value = Emission level Limit value.
- 4. The emission levels of other frequencies were less than 20dB margin against the limit.





#### 4.2 Conducted Emission Measurement

#### 4.2.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)			
	Quasi-peak	Average		
0.15 - 0.5	66 - 56	56 - 46		
0.50 - 5.0	56	46		
5.0 - 30.0	60	50		

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

#### 4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
EMI Test Receiver ROHDE & SCHWARZ	ESIB 40	100179	01/29/2021	01/29/2022
Transient Limiter ELECTRO-METRICS	EM-7600-5	106	01/29/2021	01/29/2022
LISN EMCO	3816/2NM	214372	01/29/2021	01/29/2022

#### 4.2.3 Test Procedures

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30MHz was searched. Emission levels under (Limit 20dB) was not recorded.

**NOTE:** The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

# 4.2.4 Deviation from Test Standard

No deviation.



# 4.2.5 Test Setup Vertical Ground Reference Plane Test Receiver

Note: 1.Support units were connected to second LISN.

Horizontal Ground Reference Plane

For the actual test configuration, please refer to the attached file (Test Setup Photo).

# 4.2.6 EUT Operating Conditions

Same as 4.1.6.

N/A (DC powered)

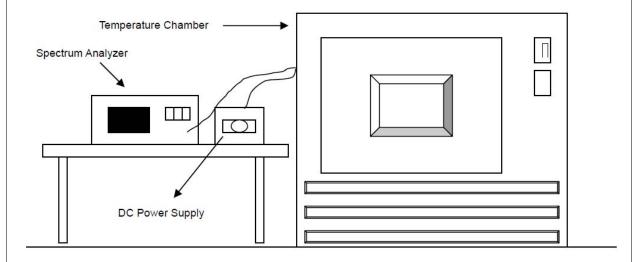


# 4.3 Frequency Stability

# 4.3.1 Limits of Frequency Stability Measurement

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% of the operating frequency over a temperature variation of –45 degrees to 80 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

#### 4.3.2 Test Setup



#### 4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

#### 4.3.4 Test Procedure

- a. The EUT was placed inside the environmental test chamber and powered by DC power supply.
- b. Turned the EUT on and coupled its output to a spectrum analyzer.
- c. Turned the EUT off and set the chamber to the highest temperature specified.
- d. Allowed sufficient time (approximately 30 min) for the temperature of the chamber to stabilize then turned the EUT on and measured the operating frequency after 2, 5, and 10 minutes.
- e. Repeated step a and d with the temperature chamber set to the lowest temperature.
- f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

# 4.3.5 Deviation from Test Standard

No deviation.

# 4.3.6 EUT Operating Conditions

Same as Item 4.1.6.



4.3.7 Test Result

NDI Sample:

Frequency Stability Versus Temp.					
TEMP. (℃)	Power Supply (Vdc)	Measured Frequency (MHz)	Frequency Dev. (Hz)	Deviation (%)	
80		13.5599	100	-0.000737	
50		13.5599	100	-0.000737	
40	13.5	13.5597	300	-0.002212	
30		13.5597	300	-0.002212	
20		13.5602	-200	-0.00147	
10		13.5599	100	-0.000737	
0		13.5600	0.00	0.00000	
-10		13.5599	100	-0.000737	
-20		13.5601	100	-0.000737	
-45		13.5603	-300	0.002212	
20	11.47	13.5599	100	-0.000737	
20	14.85	13.5600	0.00	0.0000	



# 4.4 99%, -20dB Bandwidth

## 4.4.1 Limits of 20dB Bandwidth Measurement

The 20dB bandwidth shall be specified in operating frequency band.

# 4.4.2 Test Setup



## 4.4.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

# 4.4.4 Test Procedures

Refer to ANSI C63.10 Section 6.9.3.

## 4.4.5 Deviation from Test Standard

No deviation.

# 4.4.6 EUT Operating Conditions

Same as Item 4.1.6.



## 4.4.7 Test Results

NDI

Frequency	20dB Bandwidth	99% Bandwidth
(MHz)	(kHz)	(kHz)
13.56	2.524	2.139

## Test Plot:





5 Pictures of Test Arrangements						
Please see setup photo file.						
	1					



#### Appendix - Information on the Testing Laboratories

Bureau Veritas is a global leader in testing, inspection and certification (TIC) services. We help businesses improve safety, sustainability and productivity; and our clients include the majority of leading brands in retail, manufacturing and other industries. With a presence in every major country around the world, our quality assurance and compliance solutions are vital in helping our customers enhance product quality and concept-to-consumer journeys. We also assist with increasing speed to market, profitability and brand equity throughout the supply chain. Bureau Veritas is a leading wireless/IoT testing, inspection, audit and certification provider, with a global network of test laboratories to support the IoT industry in areas of connectivity, security, interoperability as well as quality, health & safety, and environmental/chemical requirements.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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