

October 28, 2025

DIG Corporation
Mr. Jonathan Levy
1210 Activity Dr.
Vista, CA 92081

Dear Mr. Jonathan Levy,

Enclosed is the Electromagnetic Compatibility for the DIG Corporation, LEITLINK 4GF, tested to the requirements of:

- FCC Part 22H, 24E and 27
- RSS 130, 132, 133 & 139

Thank you for using the services of Eurofins Electrical and Electronic Testing NA, Inc. Please contact me if you have any questions regarding these results or if Eurofins E&E can be of further service to you.

Sincerely,

Rheine Nguyen

Documentation Department
Eurofins Electrical and Electronic Testing NA, Inc.

Reference: EMCS129408-FCC Part 22H, 24E and 27 Rev. 5



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Report Status Sheet

Revision	Report Date	Reason for Revision
Ø	November 15, 2024	Initial Issue.
1	April 8, 2025	Listed all test items and indicated module coverage with FCC and IC IDs. Added RF frequency bands, antenna type, and antenna gain information. Included test uncertainty values. Added HVIN. Included test sample number assigned by the test lab. Added ISED CAB identifier for the test lab.
2	August 12, 2025	Corrected IC rule parts, added 3 models of the device and added Test site ID
3	October 02, 2025	Corrected antenna gain
4	October 22, 2025	Updated ISED CAB
5	October 28, 2025	Corrected the bands tested; removed B26 from this report

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1.0 Testing Summary

The DIG Corporation, LEITLINK 4GF was found to be compliant to the following specification(s).

- FCC Part 22H, 24E & 27 and KDB 996369 D04 V.02 Module Integration Guide
- RSS 130, 132, 133 & 139



Brandon Quan
EMC Laboratory Engineer

Engineering Statement: The measurements shown in this report were made in accordance with the procedures indicated. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements.



Ollie Moyrong
EMC Laboratory Manager, California

2.0 Overview

Eurofins Electrical and Electronic Testing NA, Inc. was contracted by DIG Corporation to perform testing on the LEITLINK 4GF, under purchase order number 026016.

This document describes the test setups, test methods, required test equipment, and the test limit criteria used to perform compliance testing of DIG Corporation, LEITLINK 4GF.

The results obtained relate only to the item(s) tested.

Model Tested:	LEITLINK 4GF-32
Other Models:	LEITLINK 4GF-8; LEITLINK 4GF-16; LEITLINK 4GF-24
Equipment Emissions Class:	A
Samples:	CEIT No. 23910-1 CEIT No. 23910-2 CEIT No. 23910-4
ISED CAB Identifier:	US0129
Test site:	2043C
HVIN:	LEITLINK

Note: See model similarities letter

2.1 Module FCC ID & IC ID

FCC ID: 2ANPO00NRF9160

IC ID: 24529-NRF9160

2.2 Test Site

All testing was performed at Eurofins Electrical and Electronic Testing NA, Inc., 3162 Belick St. Santa Clara, CA 95054. All equipment used in making physical determinations is accurate and bears recent traceability to the National Institute of Standards and Technology. Eurofins Electrical and Electronic Testing NA, Inc. has been accredited by the American Association for Laboratory Accreditation (A2LA) (Certificate #: 0591.02) in accordance with ISO/IEC 17025:2017.

2.3 Measurement Uncertainty

Measurement uncertainty calculated as per NIST Technical Note (TN) 1297 and ANSI / NCSL Z540-2, as equivalent to EN 55016-4-2 / IEC CISPR 16-4-2.

Test Method	Typical Expanded Uncertainty (dB)	K	Confidence Level
Radiated Emissions, (30 MHz – 1 GHz)	±3.24	2	95%
Radiated Emissions, (1 GHz – 6 GHz)	±3.92	2	95%
Conducted Emission Voltage	±2.44	2	95%
Conducted Emission Telecom	±3.53	2	95%

Measurement Uncertainty

2.4 RF Frequency Bands, Antenna Types and Gain Specifications

Internal Antenna:	Taoglas
Model:	FXUB66 Maximus
Part #	FXUB66.07.0150C
Description:	Maximus Ultrawide Band Antenna
Max Gain:	See Antenna Specification Document

External Antenna:	Taoglas
Model:	G30 Olympian
Part #	G30.B.108111
Description:	Olympian Direct Mount Ultra Wide-Band Antenna
Max Gain:	6.21dBi

As per DIG Corporation, External antenna (G30 Olympian) is the main antenna, Internal antenna (FXUB66 Maximus) is the back up antenna. Both antennas do not transmit simultaneously.

Antenna information was provided by the client. Eurofins E&E Testing NA, LLC did not test or verify the accuracy of the antenna information.

List of bands/ frequencies tested

Band	FCC/ IC rule part	Frequency up link frequency	Frequency tested
Band 5	FCC part 22/ RSS-132	824- 849 MHz	836.5 MHz
Band 2	FCC Part 24 / RSS-133	1850-1910 MHz	1908 MHz
Band 25	FCC part 24 / RSS-133	1850-1915 MHz	1910 MHz
Band 4	FCC part 27 /RSS-139	1710-1755 MHz	1732.5 MHz
Band 12	FCC part 27 / RSS-130	699 -716 MHz	707.5 MHz
Band 13	FCC part 27 / RSS-130	777-787 MHz	782.0 MHz
Band 66	FCC part 27 / RSS-139	1710-1788 MHz	1749.5 MHz

2.5 Equipment Overview and Test Configuration

The EUT Configuration Form is for customer to provide.

2.6 Modifications to the EUT

No modifications were made to the EUT.

2.7 Modifications to the Standard

No modifications were made to the Test Standard.

2.8 Disposition of EUT

The test sample including all support equipment (if any), submitted to the Electromagnetic Compatibility Lab for testing was returned to DIG Corporation upon completion of testing.

3.0 Electromagnetic Compatibility Criteria for Intentional Radiators

3.1 Radiated Spurious Emissions

Test Method: ANSI 63.17:2013; FCC KDB 996369 D04 V.02 Module Integration Guide

Test Requirement(s): The following standards specified below are covered in the scope of this section of the test report:

- FCC Part 22H, 24E & 27 and KDB 996369 D04 V.02 Module Integration Guide
- RSS-132, RSS-133, RSS-130 & RSS-139

22.917 (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

24. 238 (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

27.53(m) Spurious attenuation limit in dB = $43 + 10 \log_{10}(\text{power out in Watts})$

15.209 (a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (dBμV/m)	Measurement Distance (m)
30 - 88	40.00	3
88 - 216	43.50	3
216 - 960	46.00	3
Above 960	54.00	3

Sample Calculation for Distance Correction factor (DCF) measurement:

$$F_d = 20 \cdot \log_{10}(D_m/D_s)$$

where:

$$F_d = \text{Distance Factor in dB}$$

$$D_m = \text{Measurement Distance in meters}$$

$$D_s = \text{Specification Distance in meters}$$

Sample formula for calculating the Corrected Data for the Radiated Emissions Measurements:

Frequency (MHz)	Antenna Polarity	EUT Azimuth (Degrees)	Antenna Height (cm)	Uncorrected Amplitude (dBμV)	ACF (dB/m) (+)	Pre Amp Gain (dB)(-)	CBL (dB) (+)	DCF (dB) (+)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
249.99	V	359.9	240.7	55.46	11.4	28.335	0	0	38.505	47	-8.495

$$\begin{aligned} \text{Corrected Amplitude (dBμV/m)} &= \text{Uncorrected Amplitude (dBμV)} + \text{ACF (dB/m)} - \text{Preamp Gain (dB)} + \text{CBL (dB)} + \text{DCF (dB)} \\ &= 55.46 + 11.4 - 28.335 + 0 + 0 = 38.505 \end{aligned}$$

Test Procedure:

The method of testing, test conditions, and test procedures of ANSI 63.17: 2013 were used in addition to FCC KDB 996369 D04 Module Integration Guide. Any measured frequency that exhibits a margin of compliance that is less than 3 dB below the specification limit is marked. Eurofins E&E recommends that every emission measured has at least a 3 dB margin to allow for deviations in the emission characteristics that may occur during the production process.

For emissions between 30 MHz and 1000 MHz, the EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber a biconilog antenna was located 10m from the EUT on an adjustable mast. A pre-scan was first performed to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT was rotated, and the antenna height was varied between 1 m and 4 m to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. Unless otherwise specified, measurements were made using a quasi-peak detector with a 120 kHz resolution bandwidth.

For emissions between 1 GHz and 18 GHz, a double ridged guide horn was located 3 m from the EUT on an adjustable mast. The EUT was placed on a non-metallic table 150 cm above the ground plane inside a semi-anechoic chamber. A pre-scan was performed and used to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT was rotated, and the antenna height was varied depending on the geometry of the EUT. To ensure maximized emissions, the horn antenna was positioned both vertically and horizontally. Unless otherwise specified, measurements were made using a peak and average detector with a 1 MHz resolution bandwidth.

For emission between 18 GHz and 20 GHz, a high frequency standard gain horn antenna was located 3 m from the EUT on an adjustable mast. The EUT was placed on a non-metallic table 150 cm above the ground plane inside a semi-anechoic chamber. A pre-scan was performed and used to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT was rotated, and the antenna height was varied depending on the geometry of the EUT. To ensure maximized emissions, the horn antenna was positioned both vertically and horizontally. Unless otherwise specified, measurements were made using a peak and average detector with a 1 MHz resolution bandwidth.

Due to the size of the EUT, pre-liminary measurements were performed with the EUT rotated on different axis (X, Y, Z). The worst-case data is presented in this report.

Test Software Used:

Nexio BAT-EMC MSSQL Version: V2023.0.5.0 was used to perform this test.

Test Results:

Test Standard:	FCC Part 22H, 24E and 27 RSS-132, RSS-133, RSS-130 & RSS-139 (Per FCC KDB 996369 D04 Module Integration Guide v02; ANSI C63.17)
Test Name	Radiated Spurious Emissions
Test Dates:	08/20/2024
Laboratory	Eurofins Electrical and Electronic Testing NA, Inc.
Test Engineer:	Brandon Quan
Test Results:	Compliant

Test Data

Frequency (MHz)	Peak (dB μ V/m)	Lim.Avg (dB μ V/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
31.067	43.124	82.26	4	29	Vertical	-3.172
155.5665	37.896	82.26	3	8	Horizontal	-8.875

Table 1. Radiated Spurious Emissions, LTE B5 FCC Part 22 RSE - (30 MHz – 1 GHz) Test Results

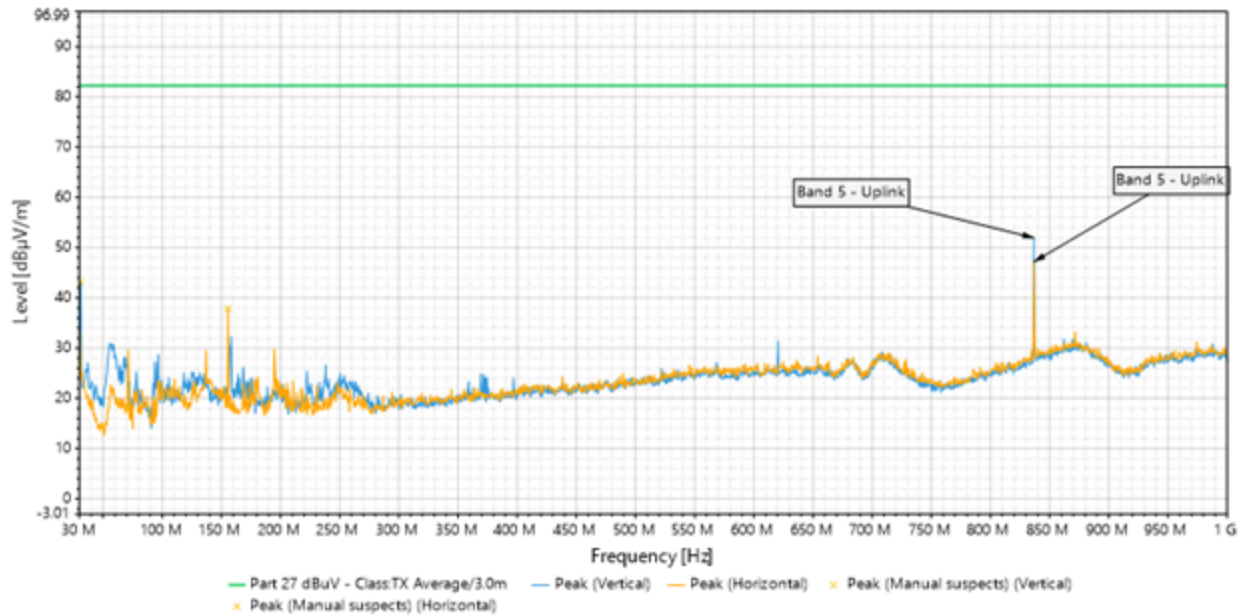


Figure 1. Radiated Spurious Emissions, LTE B5 FCC Part 22 RSE - (30 MHz – 1 GHz) Plot

Frequency (MHz)	Peak (dB μ V/m)	Lim.Avg (dB μ V/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
1673.2	54.186	82.26	2	41	Vertical	-1.982
1673.2	51.939	82.26	1	33	Horizontal	-2.367

Table 2. Radiated Spurious Emissions, LTE B5 FCC Part 22 RSE - (1 – 10 GHz) Test Results

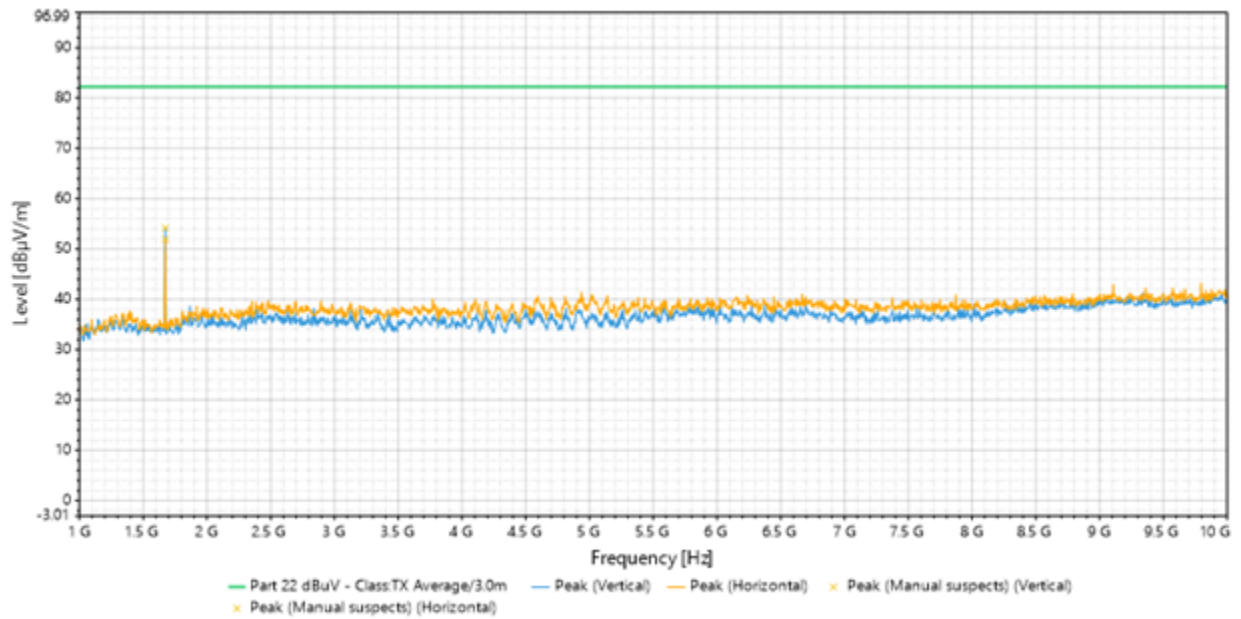


Figure 2. Radiated Spurious Emissions, LTE B5 FCC Part 22 RSE - (1 – 10 GHz) Plot

Frequency (MHz)	Peak (dB μ V/m)	Lim.Avg (dB μ V/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
96.8815	37.176	82.26	4	8	Vertical	-11.255
107.7455	33.286	82.26	3	8	Horizontal	-9.065

Table 3. Radiated Spurious Emissions, LTE B2 FCC Part 24 RSE - (30 MHz – 1 GHz) Test Results

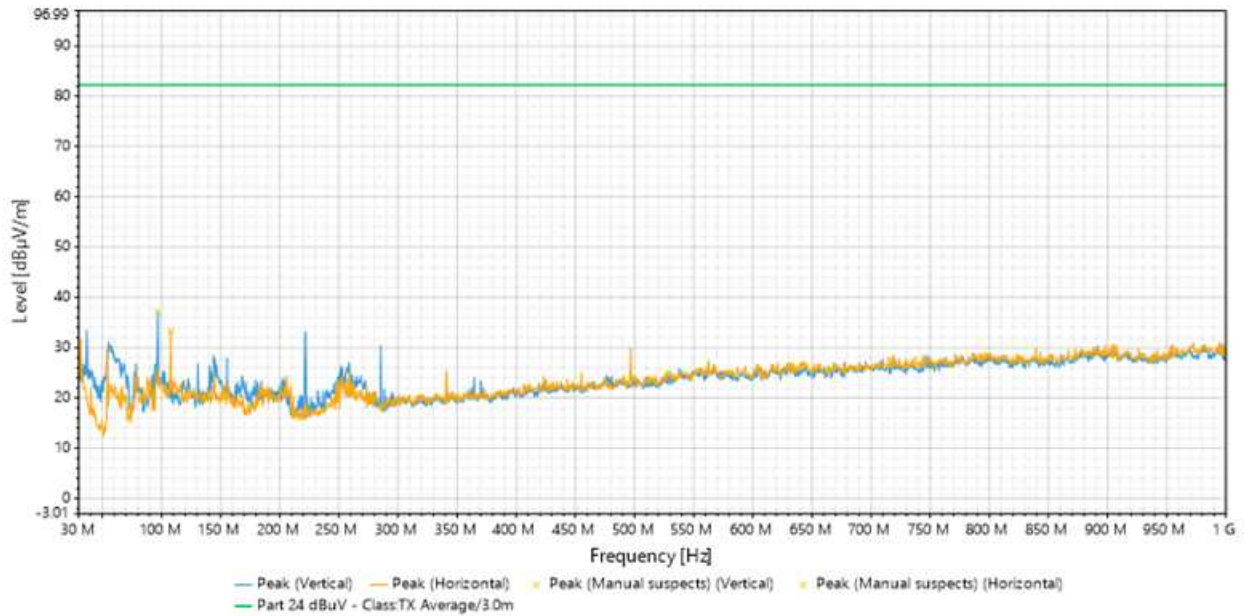


Figure 3. Radiated Spurious Emissions, LTE B2 FCC Part 24 RSE - (30 MHz – 1 GHz) Plot

Frequency (MHz)	Peak (dB μ V/m)	Lim.Avg (dB μ V/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
5091.9	42.439	82.26	1.001	0	Vertical	4.543
5168.4	44.948	82.26	1.999	351	Horizontal	4.769

Table 4. Radiated Spurious Emissions, LTE B2 FCC Part 24 RSE - (1 – 18 GHz) Test Results

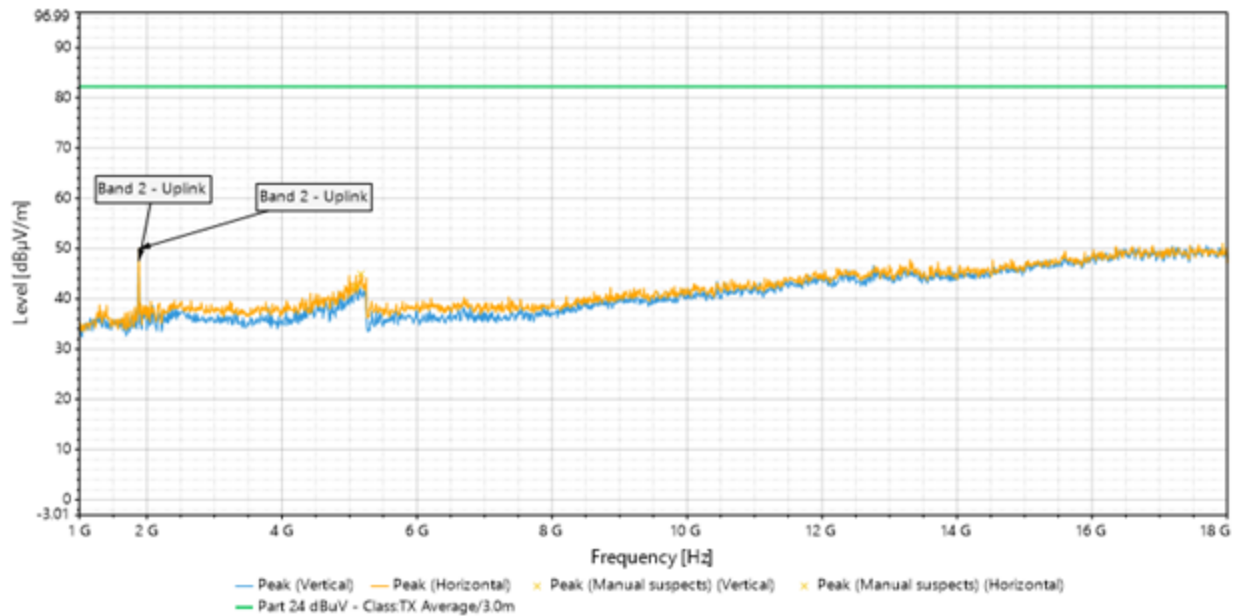


Figure 4. Radiated Spurious Emissions, LTE B2 FCC Part 24 RSE - (1 – 18 GHz) Plot

Frequency (MHz)	Peak (dB μ V/m)	Lim.Avg (dB μ V/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
18262.4	46.687	82.26	2	21	Vertical	3.24
18162.4	47.886	82.26	1.999	337	Horizontal	3.436

Table 5. Radiated Spurious Emissions, LTE B2 FCC Part 24 RSE - (18 - 20 GHz) Test Results

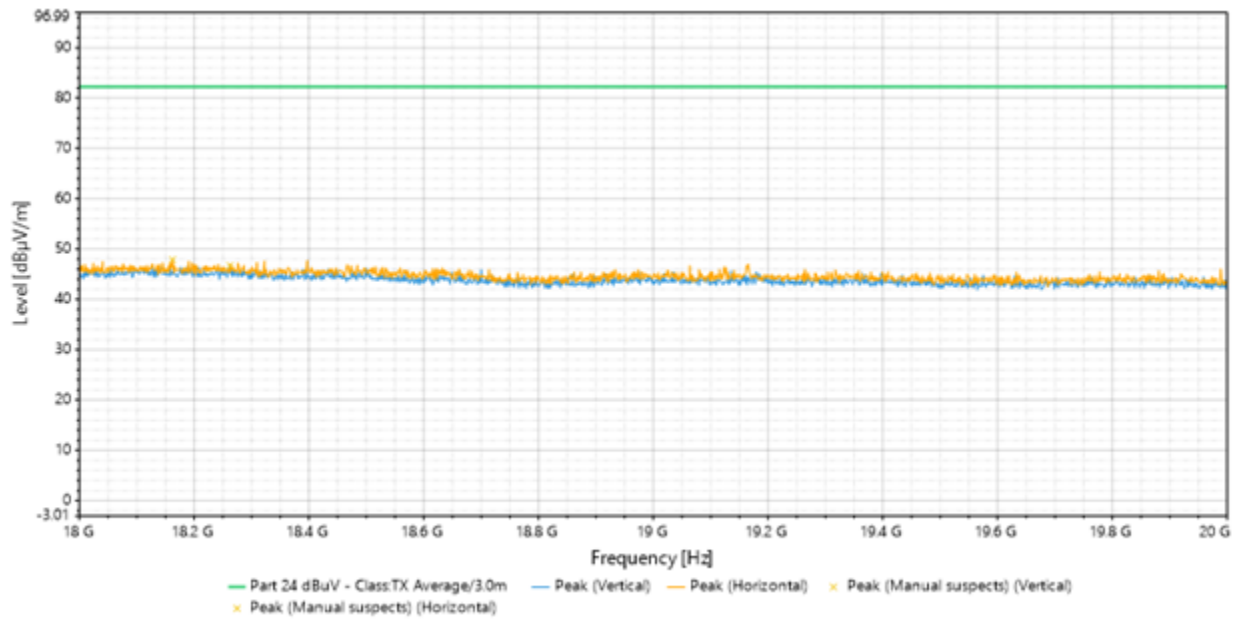


Figure 5. Radiated Spurious Emissions, LTE B2 FCC Part 24 RSE - (18 - 20 GHz) Plot

Frequency (MHz)	Peak (dB μ V/m)	Lim.Avg (dB μ V/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
144.46	34.172	82.26	1.001	123	Vertical	-7.546
153.0445	34.014	82.26	3	351	Horizontal	-8.705

Table 6. Radiated Spurious Emissions, LTE B25 FCC Part 24 RSE - (30 MHz – 1 GHz) Test Results

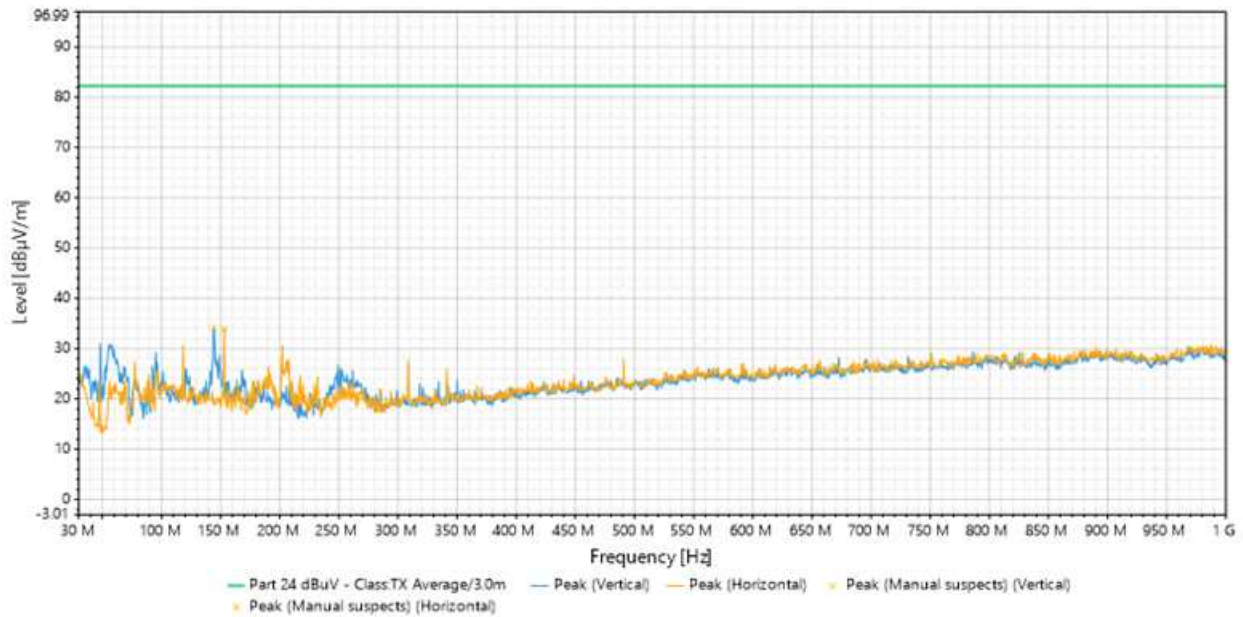


Figure 6. Radiated Spurious Emissions, LTE B25 FCC Part 24 RSE - (30 MHz – 1 GHz) Plot

Frequency (MHz)	Peak (dBμV/m)	Lim.Avg (dBμV/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
5150.125	43.068	82.26	1.001	352	Vertical	4.346
5146.725	45.51	82.26	1.999	351	Horizontal	4.867

Table 7. Radiated Spurious Emissions, LTE B25 FCC Part 24 RSE - (1 – 18 GHz) Test Results

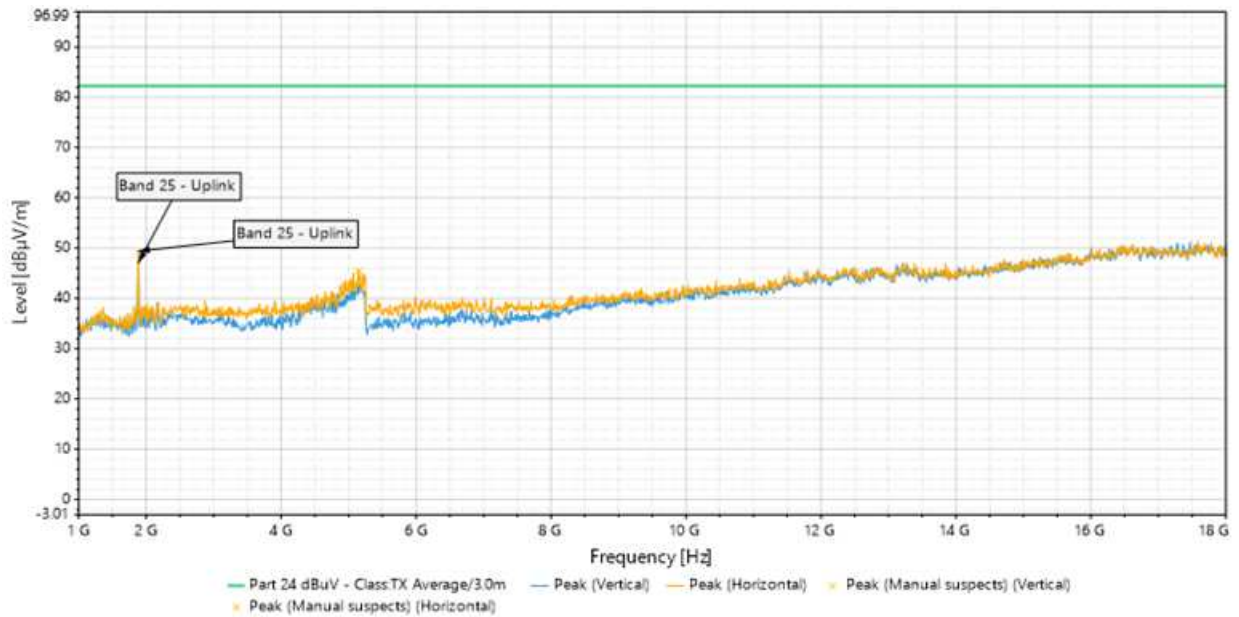


Figure 7. Radiated Spurious Emissions, LTE B25 FCC Part 24 RSE - (1 – 18 GHz) Plot

Frequency (MHz)	Peak (dB μ V/m)	Lim.Avg (dB μ V/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
18140.4	46.759	82.26	2	121	Vertical	3.684
18248	47.963	82.26	1.999	254	Horizontal	3.096

Table 8. Radiated Spurious Emissions, LTE B25 FCC Part 24 RSE - (18 – 20 GHz) Test Results

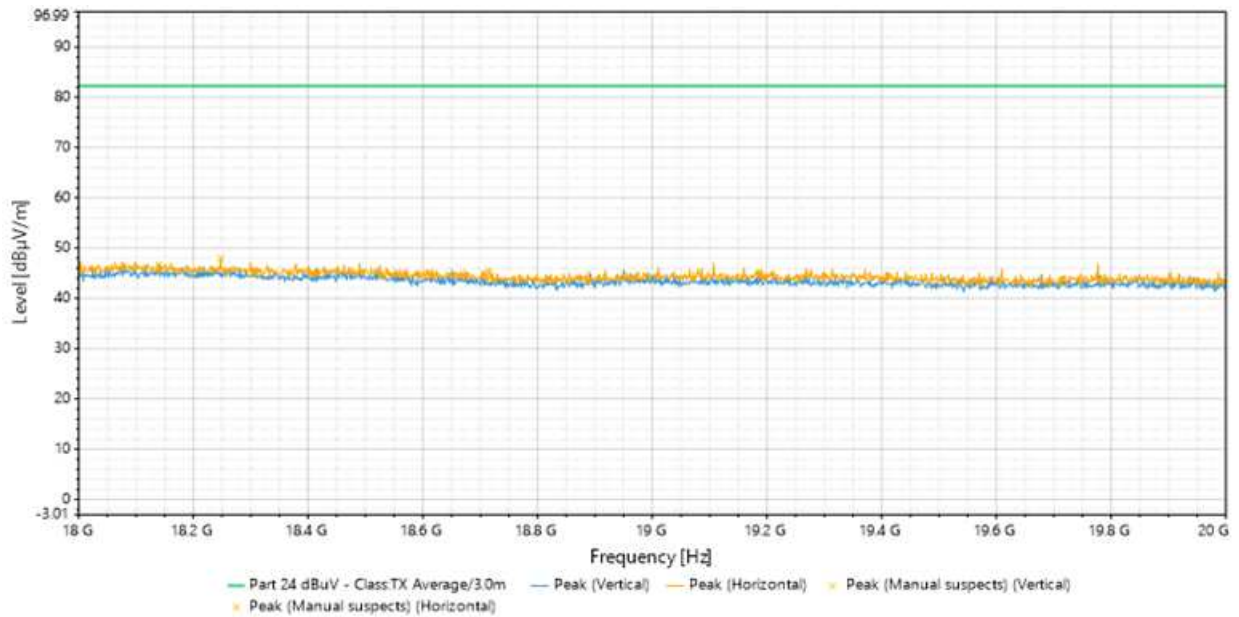


Figure 8. Radiated Spurious Emissions, LTE B25 FCC Part 24 RSE - (18 – 20 GHz) Plot

Frequency (MHz)	Peak (dBµV/m)	Lim.Avg (dBµV/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
48.7695	32.777	82.26	2	7	Vertical	-14.049
189.177	29.956	82.26	1	8	Horizontal	-9.273

Table 9. Radiated Spurious Emissions, LTE B4 FCC Part 27 RSE - (30 MHz – 1 GHz) Test Results

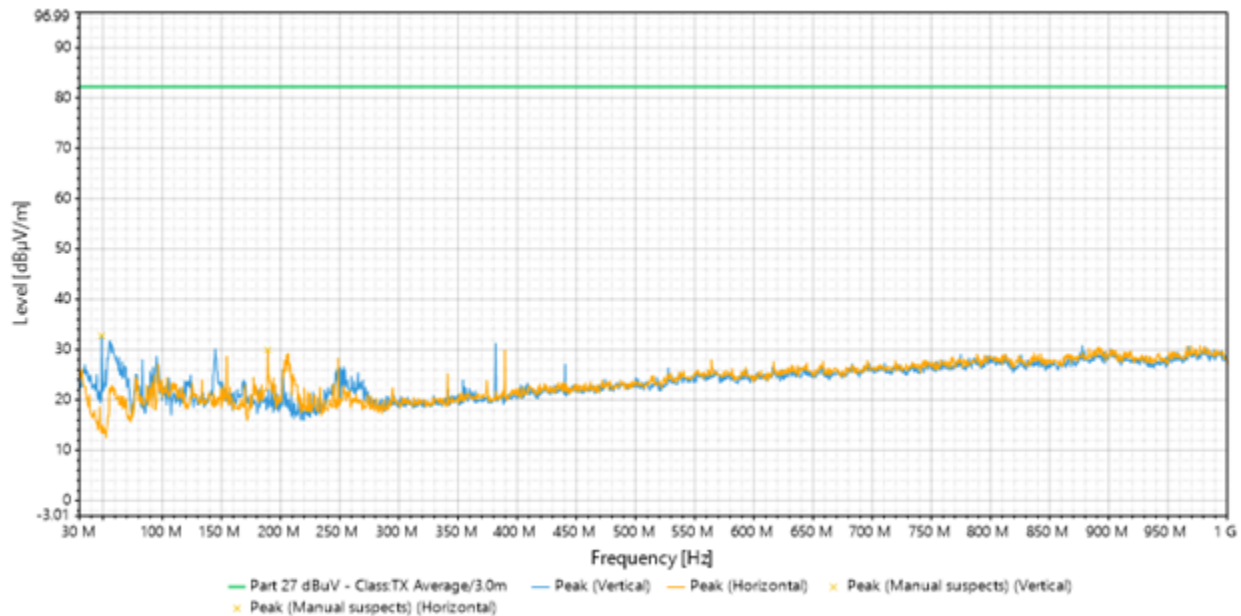


Figure 9. Radiated Spurious Emissions, LTE B4 FCC Part 27 RSE - (30 MHz – 1 GHz) Plot

Frequency (MHz)	Peak (dBμV/m)	Lim.Avg (dBμV/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
5174.775	43.512	82.26	1.001	352	Vertical	4.295
3462.875	46.648	82.26	1.999	336	Horizontal	2.795

Table 3. Radiated Spurious Emissions, LTE B4 FCC Part 27 RSE - (1 – 18 GHz) Test Results

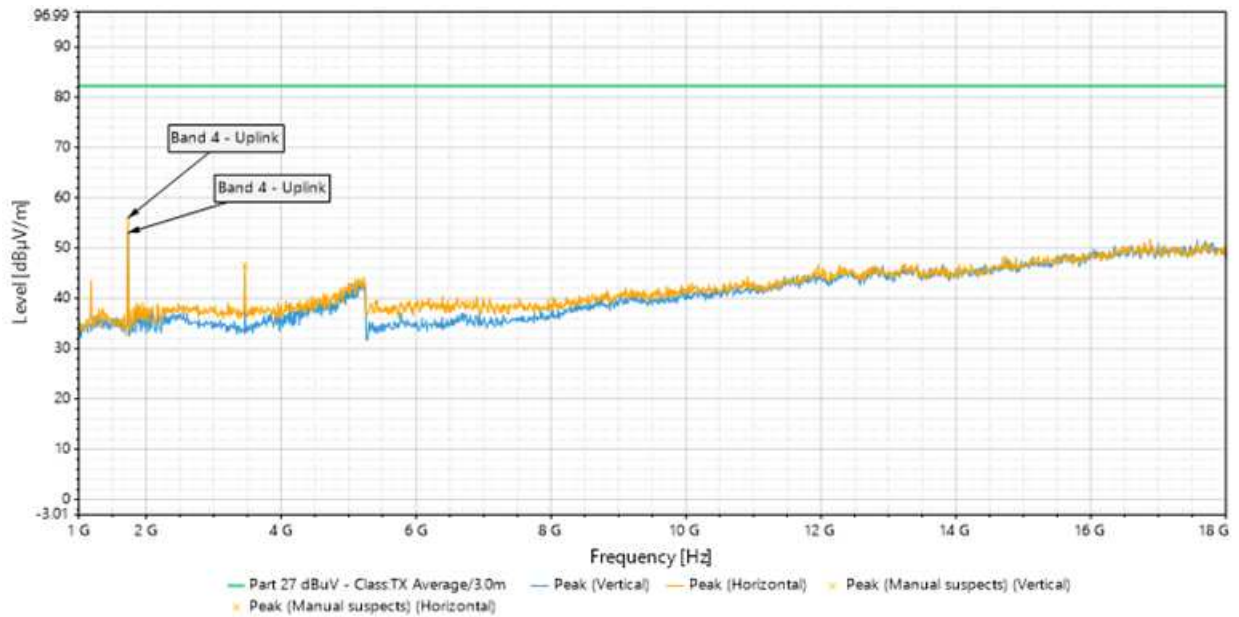


Figure 3. Radiated Spurious Emissions, LTE B4 FCC Part 27 RSE - (1 – 18 GHz) Plot

Frequency (MHz)	Peak (dB μ V/m)	Lim.Avg (dB μ V/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
30.97	54.027	82.26	4	8	Vertical	-3.098
72.583	39.873	82.26	3	7	Horizontal	-14.237

Table 4. Radiated Spurious Emissions, LTE B12 FCC Part 27 RSE - (30 MHz – 1 GHz) Test Results

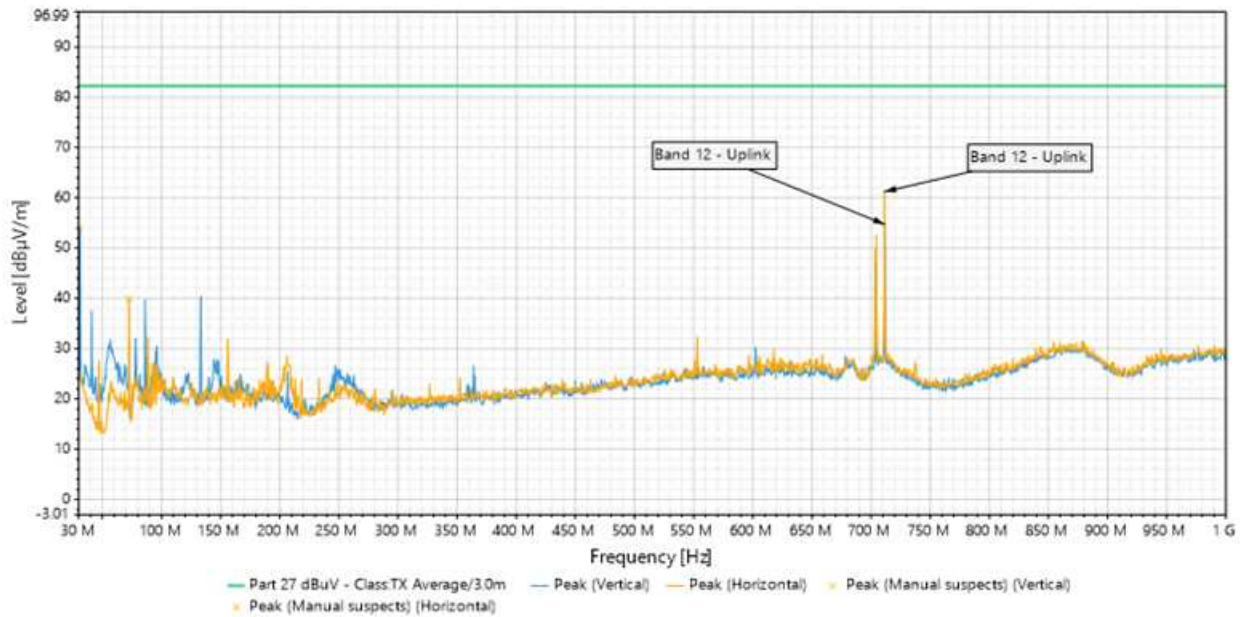


Figure 4. Radiated Spurious Emissions, LTE B12 FCC Part 27 RSE - (30 MHz – 1 GHz) Plot

Frequency (MHz)	Average (dBμV/m)	Avg Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas.Time (s)	Correction (dB)
1409.1	28.806	82.26	-53.454	1.329	5	Vertical	1000000	0.001	-2.404
1408.6	31.621	82.26	-50.639	1.431	58	Horizontal	1000000	0.001	-1.494

Table 5. Radiated Spurious Emissions, LTE B12 FCC Part 27 RSE - (1 – 10 GHz) Test Results

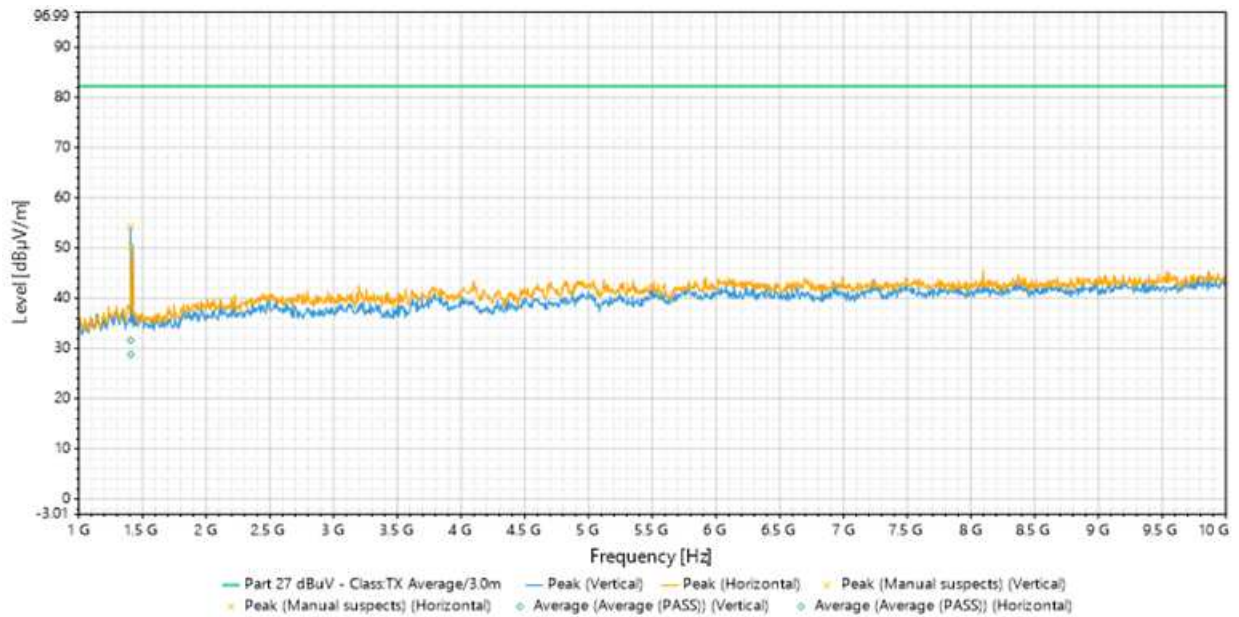


Figure 5. Radiated Spurious Emissions, LTE B12 FCC Part 27 RSE - (1 – 10 GHz) Plot

Frequency (MHz)	Peak (dB μ V/m)	Lim.Avg (dB μ V/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
35.82	44.523	82.26	4	8	Vertical	-6.671
34.074	33.571	82.26	1.999	352	Horizontal	-4.009

Table 6. Radiated Spurious Emissions, LTE B13 FCC Part 27 RSE - (30 MHz – 1 GHz) Test Results

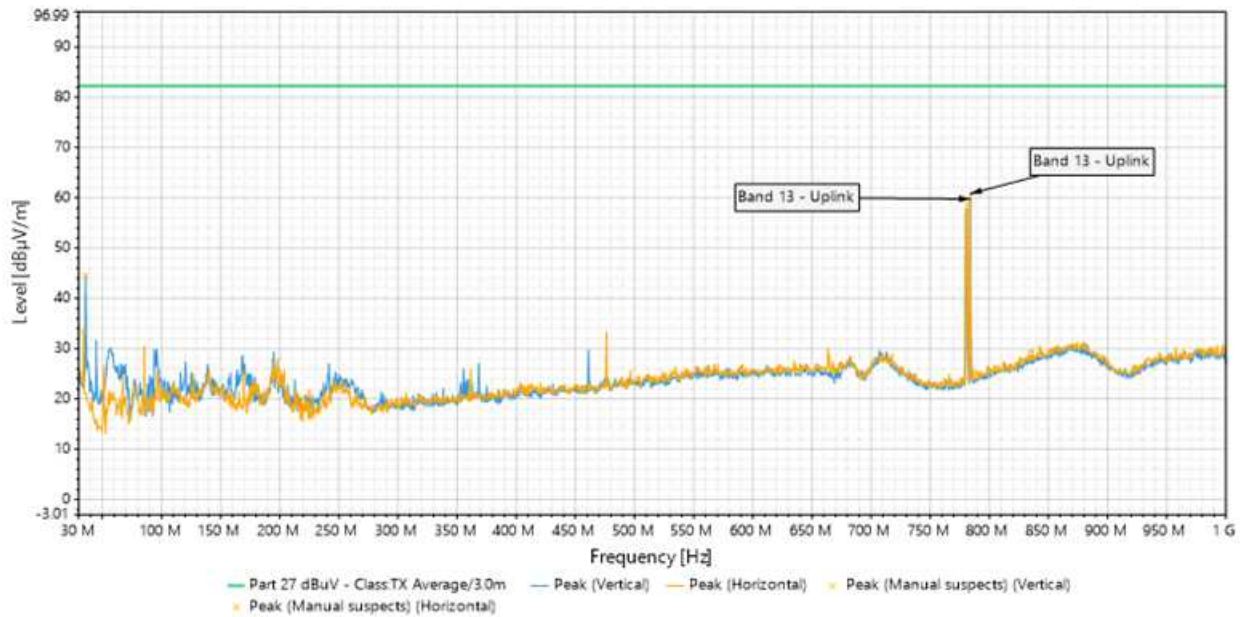


Figure 6. Radiated Spurious Emissions, LTE B13 FCC Part 27 RSE - (30 MHz – 1 GHz) Plot

Frequency (MHz)	Average (dBμV/m)	Avg Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas.Time (s)	Correction (dB)
1561.5	29.353	82.26	-52.907	1	188	Vertical	1000000	0.001	-2.499
1561.5	37.336	82.26	-44.924	1.113	147	Horizontal	1000000	0.001	-2.997

Table 14. Radiated Spurious Emissions, LTE B13 FCC Part 27 RSE - (1 – 10 GHz) Test Results

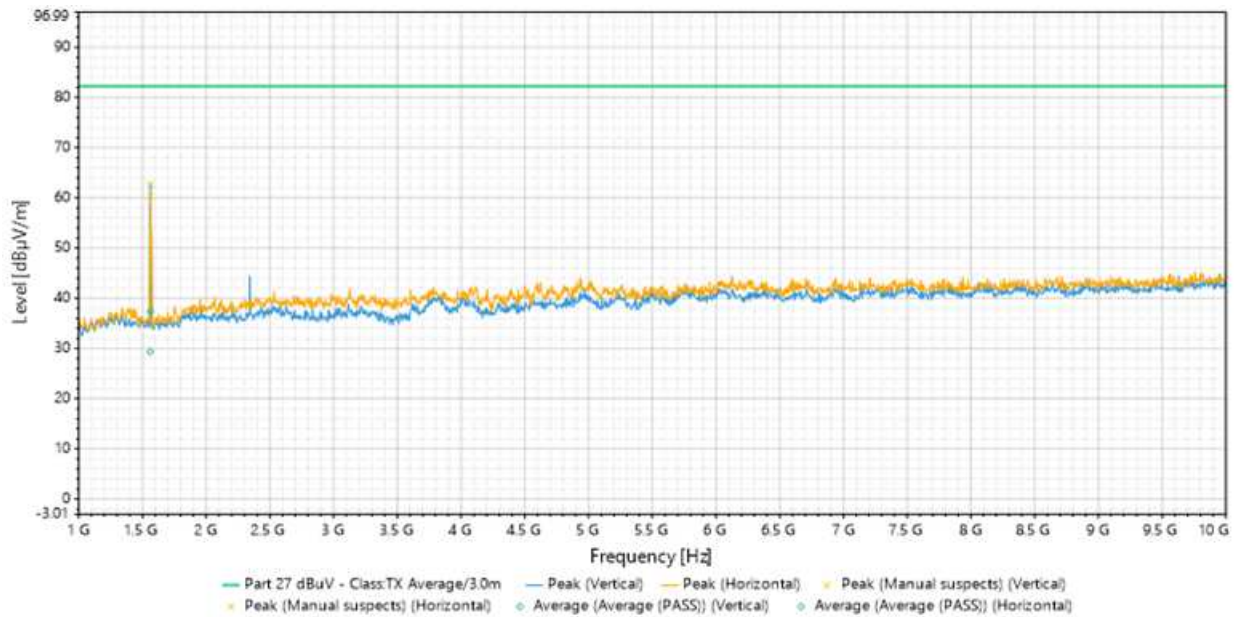


Figure 7. Radiated Spurious Emissions, LTE B13 FCC Part 27 RSE - (1 – 10 GHz) Plot

Frequency (MHz)	Peak (dB μ V/m)	Lim.Avg (dB μ V/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
58.0815	32.514	82.26	1.001	356	Vertical	-13.537
105.951	34.318	82.26	3	8	Horizontal	-9.35

Table 7. Radiated Spurious Emissions, LTE B66 FCC Part 27 RSE - (30 MHz – 1 GHz) Test Results

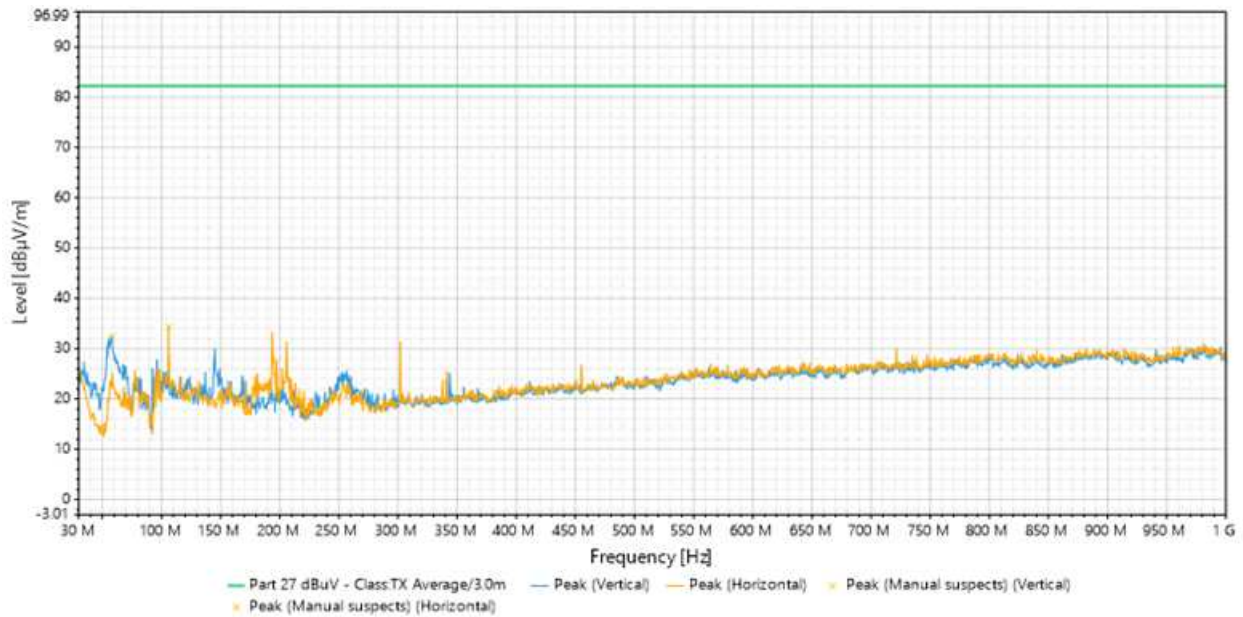


Figure 8. Radiated Spurious Emissions, LTE B66 FCC Part 27 RSE - (30 MHz – 1 GHz) Plot

Frequency (MHz)	Peak (dB μ V/m)	Lim.Avg (dB μ V/m)	Height (m)	Angle1 (°)	Polarization	Correction (dB)
5235.125	43.791	82.26	2	9	Vertical	4.4
5247.875	45.887	82.26	0.998	9	Horizontal	4.554

Table 8. Radiated Spurious Emissions, LTE B66 FCC Part 27 RSE - (1 – 18 GHz) Test Results

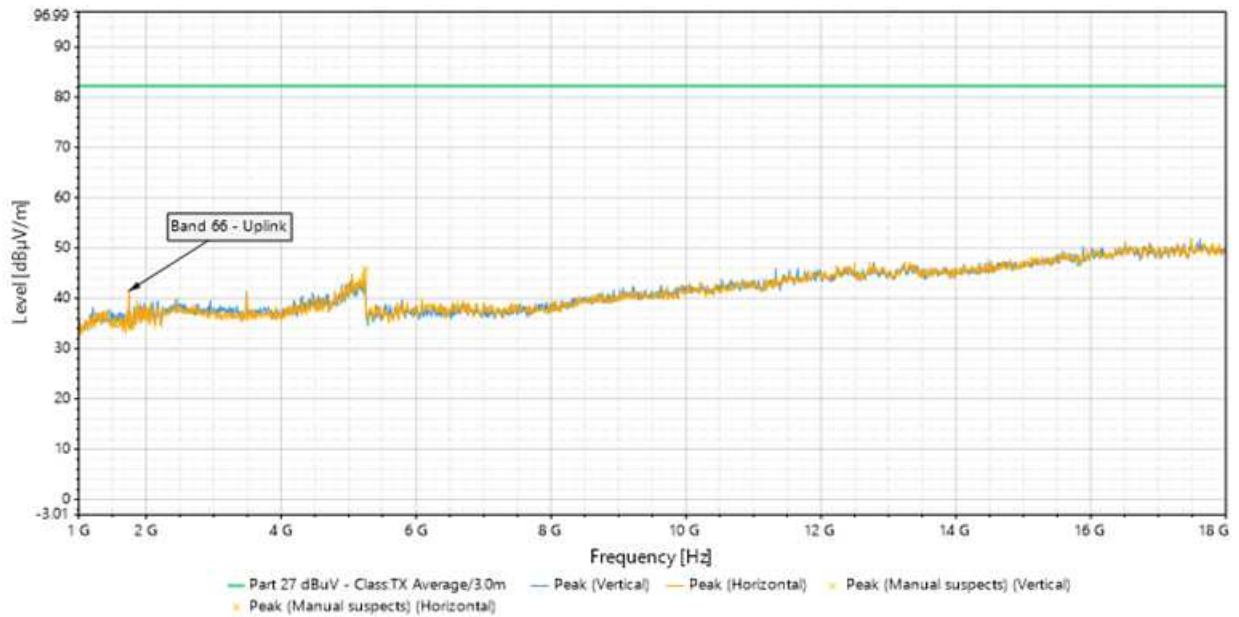


Figure 9. Radiated Spurious Emissions, LTE B66 FCC Part 27 RSE - (1 – 18 GHz) Plot

Calibrated test equipment utilized during testing was maintained in a current state of calibration per the requirements of ISO/IEC 17025:2017.

Test Name: RSE			Test Date(s): 08/20/2024		
MET Asset #	Equipment	Manufacturer	Model	Last Cal Date	Cal Due Date
1S2399	Turntable Controller	Sunol Sciences	SC99V	N/A	N/A
1S4856	Antenna Positioning Tower	ETS-Lindgren	2171B	N/A	N/A
1S3928	EMI Tester Receiver	Rohde & Schwarz	ESR26	12/18/2023	12/18/2024
1S4852	Radio Communicator Analyzer	Anritsu	MT8821C	N/A	N/A
1S2746	Bilog Antenna	Sunol Science	JB3	04/11/2023	04/11/2025
1S2668	Amplifier	Sonoma Instruments	310 N	N/A	N/A
1S2003	PXA Signal Analyzer	Keysight	N9030B	11/06/2023	11/06/2024
1S2435	Horn Antenna	ETS-Lindgren	3117	04/06/2023	04/06/2025
1S3818	DRG Horn Antenna	A.H. Systems	SAS-574	05/24/2023	05/24/2025
1S3865	Table Top Amplifier	MITEQ	TTA1840-35-HG	N/A	N/A
Note: Functionally tested equipment is verified using calibrated instrumentation at the time of testing.					

Table 9. Radiated Spurious Emissions, Test Equipment

END OF REPORT