

RF Test Report

Project Number: 5351112**Offer Number: SUW-202508008705****Report Number: SUW5351112EMC01****Revision Level: 0****Client: Owlet Baby Care Inc.****Equipment Under Test: Base Station****Model Number: OBL 3.0-M1****RF Protocol: Bluetooth Low Energy****FCC ID: 2AIEP-OBL5D****IC ID: 21386-OBL5D****Applicable Standards: FCC Part 15 Subpart C, § 15.247; ANSI C63.10: 2020****RSS-247, Issue 4; RSS-GEN Issue 5****Report issued on: 05 September 2025****Test Result: Compliant**

FOR THE SCOPE OF ACCREDITATION UNDER CERTIFICATE NUMBER: 3212.01

Report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the Federal Government.

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Table of Contents

1	SUMMARY OF TEST RESULTS	4
1.1	MODIFICATIONS REQUIRED FOR COMPLIANCE	4
2	GENERAL INFORMATION.....	5
2.1	CLIENT INFORMATION	5
2.2	TEST LABORATORY	5
2.3	GENERAL INFORMATION OF EUT	5
2.4	OPERATING MODES AND CONDITIONS	5
2.5	EUT CONNECTION BLOCK DIAGRAM – CONDUCTED MEASUREMENTS.....	6
2.6	EUT CONNECTION BLOCK DIAGRAM – RADIATED MEASUREMENTS	6
2.7	SYSTEM CONFIGURATIONS	6
2.8	CABLE LIST	6
3	BANDWIDTH	7
3.1	TEST RESULT.....	7
3.2	TEST METHOD.....	7
3.3	TEST SITE	7
3.4	TEST EQUIPMENT	7
3.5	TEST DATA - 99%OBW	8
3.6	6dB BANDWIDTH	9
4	PEAK OUTPUT POWER	10
4.1	TEST RESULT.....	10
4.2	TEST METHOD.....	10
4.3	TEST SITE	10
4.4	TEST EQUIPMENT	10
4.5	TEST DATA.....	11
5	POWER SPECTRAL DENSITY	12
5.1	TEST RESULT.....	12
5.2	TEST METHOD.....	12
5.3	TEST SITE	12
5.4	TEST EQUIPMENT	12
5.5	TEST DATA.....	13
6	CONDUCTED SPURIOUS EMISSIONS / BAND EDGE.....	14
6.1	TEST RESULT.....	14
6.2	TEST METHOD.....	14
6.3	TEST SITE	14
6.4	TEST EQUIPMENT	14
6.5	TEST DATA – DTS BAND EDGE.....	15
6.6	TEST GRAPH.....	16
7	FIELD STRENGTH OF SPURIOUS RADIATION.....	30
7.1	TEST RESULT.....	30
7.2	TEST METHOD.....	30
7.3	TEST SITE	30
7.4	TEST EQUIPMENT	31
7.5	TEST DATA.....	32
8	EMISSIONS IN RESTRICTED FREQUENCY BANDS	49
8.1	TEST RESULT.....	49
8.2	TEST METHOD.....	49
8.3	TEST SITE	49

8.4	TEST EQUIPMENT	49
8.5	TEST DATA.....	50
9	ANTENNA REQUIREMENT.....	52
9.1	RESULT.....	52
9.2	REQUIREMENT.....	52
9.3	CONCLUSION	52
10	AC POWERLINE CONDUCTED EMISSIONS	53
10.1	TEST RESULT.....	53
10.2	TEST METHOD.....	53
10.3	TEST SITE	53
10.4	TEST EQUIPMENT	53
10.5	TEST DATA.....	54
11	MEASUREMENT UNCERTAINTY	56
12	REVISION HISTORY.....	56

1 Summary of Test Results

Test Description	Test Specification		Test Result
Bandwidth	15.247(a)(2)	RSS-247 S5.2 (a) RSS-GEN S6.6	Compliant
Peak Output Power	15.247(b)(3)	RSS-247 S5.4 (d)	Compliant
Power Spectral Density	15.247(e)	RSS-247 S5.2 (b)	Compliant
Conducted Spurious Emissions / Band Edge	15.247(d)	RSS-247 S5.5	Compliant
Field Strength of Spurious Radiation	15.247(d), 15.209	RSS-247 S5.5	Compliant
Emissions in Restricted Frequency Bands	15.205, 15.209	RSS-GEN S8.9, S8.10	Compliant
Antenna Requirement	15.203	RSS-GEN S8.3	Compliant
AC Powerline Conducted Emissions	15.107, 15.207	RSS-GEN S8.8	Compliant

1.1 Modifications Required for Compliance

- Highest two channels were disabled for compliance: 2478 & 2480 MHz

2 General Information

2.1 Client Information

Name: Owlet Baby Care Inc.
Address: 3300 N. Ashton Blvd., Suite 300
City, State, Zip, Country: Lehi, UT 84043, United States of America

2.2 Test Laboratory

Name: SGS North America, Inc.
Address: 620 Old Peachtree Road NW, Suite 100
City, State, Zip, Country: Suwanee, GA 30024, USA

Accrediting Body: A2LA
Type of lab: Testing Laboratory
Certificate Number: 3212.01
FCC Designation Number: US1126
ISED Cab ID: US0186

2.3 General Information of EUT

Product Marketing Name (PMN): Base Station
Model Number (HVIN): OBL 3.0-M1
Firmware Version ID (FVIN): 3.15.1.0-301251d
Serial Number: 504074C002B6 / 504074C00328

Frequency Range: 2402 – 2476 MHz
Data Modes: Bluetooth Low Energy – GFSK
*Antenna: Inverted F PCB Trace Antenna (Gain +1.5 dBi)

Rated Voltage: 100V-240VAC,50/60Hz
Test Voltage: 120VAC,60Hz

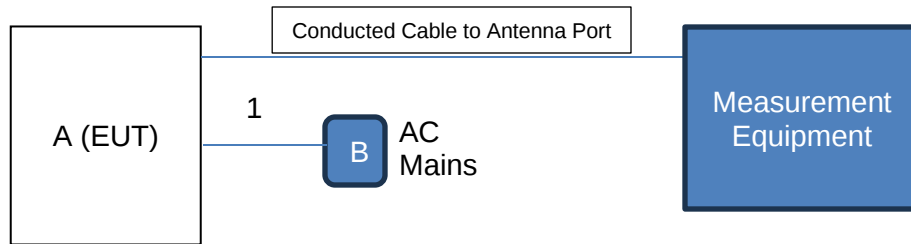
Sample Received Date: 24 March 2025
Dates of testing: 07 August 2025 – 04 September 2025

**Data was not measured by SGS laboratory and therefore SGS is not responsible for accuracy. Data obtained via customer, specification sheet, previous regulatory filing or other.*

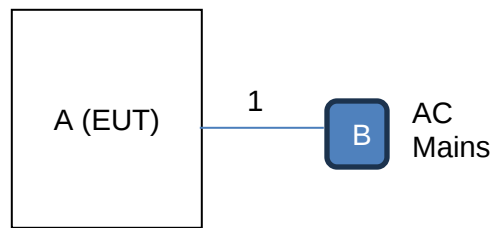
2.4 Operating Modes and Conditions

The EUT was programmed by the manufacturer to transmit on low, mid and high channels in all necessary modulation and modes of operation. BLE software setting of 0 dBm was used on the nrf direct mode software. The internal preamp was active.

2.5 EUT Connection Block Diagram – Conducted Measurements



2.6 EUT Connection Block Diagram – Radiated Measurements



Inside Chamber

.....

Outside Chamber

2.7 System Configurations

Device Reference	Manufacturer	Description	Model Number	Serial Number
A	Owlet Baby Care Inc.	Base Station	OBL 3.0-M1	504074C002B6 & 504074C00328
B	Shenzhen Key Power Supply Technology Co. LTD.	AC Adapter	KA06E-0501000US	SGS ID: SUW_SP_20250301269

2.8 Cable List

Cable reference	Port Name	Start	End	Cable Length (m)	Ferrite installed?	Shielded?
1	AC Power	EUT	AC Adapter	>1.45	N	N

3 Bandwidth

3.1 Test Result

Test Description	Test Specification		Test Result
6 dB bandwidth; 99% BW	15.247(a)(2)	RSS-247 S5.2 (a) RSS-GEN S6.6	Compliant

3.2 Test Method

The procedures from ANSI C63.10:2020 clause 11.8 and KDB 558074 D01 15.247 Meas Guidance v05r02 were used to determine the 6 dB bandwidth. The 99% bandwidth function of the receiver was also utilized.

3.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24 °C

Relative Humidity: 48.9 %

Atmospheric Pressure: 98.73 kPa

3.4 Test Equipment

Test End Date: 27-Aug-2025

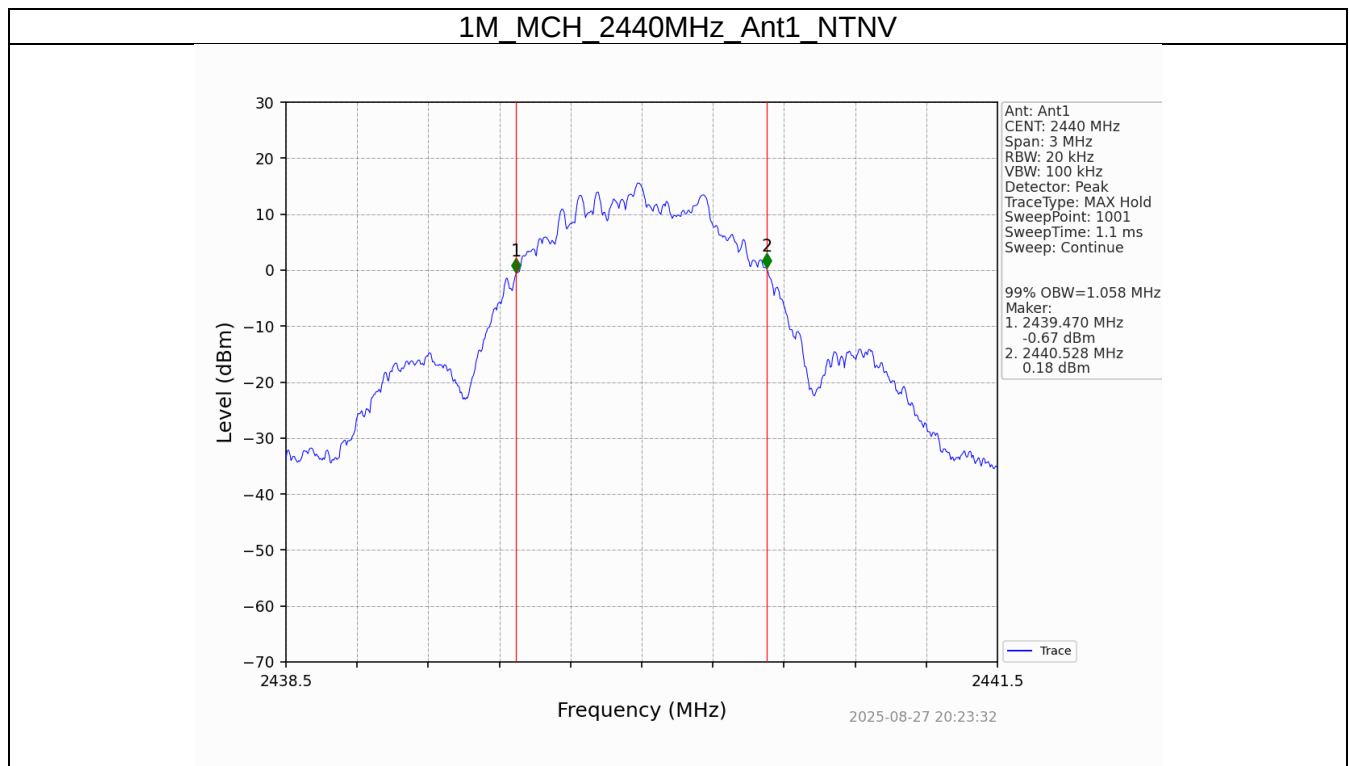
Tester: SGM

Equipment	Manufacturer	Model	Asset Number	Cal Date	Cal Due Date
RF CABLE SMA TO SMA, 0.01-40GHZ	TELEDYNE STORM MICROWAVE	084-0505-059	20109	3-Apr-2025	3-Apr-2026
TSTPASS SWITCHBOX	TSTPASS	SB2	23009	4-Apr-2025	4-Apr-2026
SIGNAL ANALYZER (TS8997)	ROHDE & SCHWARZ	FSV30	B085749	4-Mar-2025	4-Mar-2026

3.5 Test Data - 99%OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.052	/	Reported
		2440	1	1.058	/	Reported
		2476	1	1.052	/	Reported
2M	SISO	2402	1	2.043	/	Reported
		2440	1	2.052	/	Reported
		2476	1	2.046	/	Reported

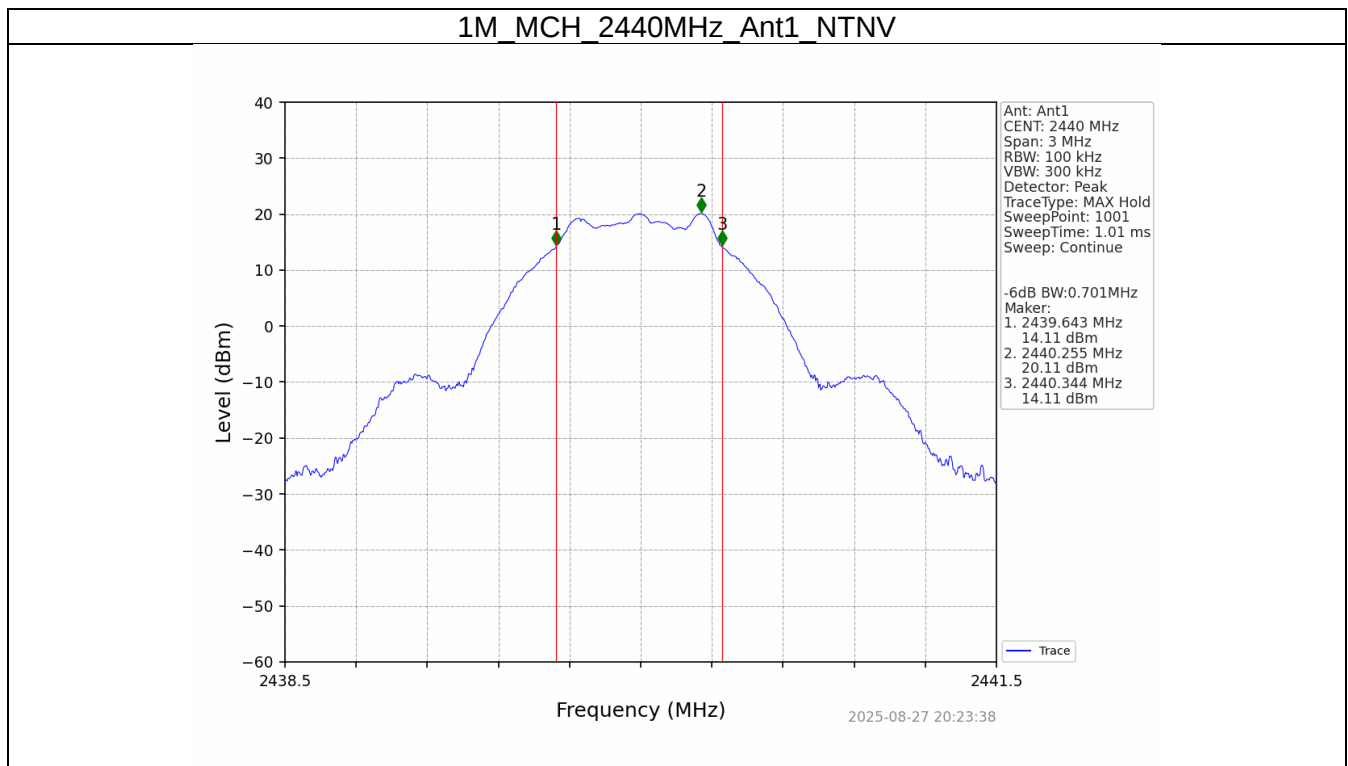
3.5.1 Example Plots



3.6 6dB Bandwidth

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.698	≥ 0.5	Pass
		2440	1	0.701	≥ 0.5	Pass
		2476	1	0.696	≥ 0.5	Pass
2M	SISO	2402	1	1.157	≥ 0.5	Pass
		2440	1	1.146	≥ 0.5	Pass
		2476	1	1.134	≥ 0.5	Pass

3.6.1 Example Plots



4 Peak Output Power

4.1 Test Result

Test Description	Test Specification		Test Result
Peak Output Power	15.247(b)(3)	RSS-247 S5.4 (d)	Compliant

4.2 Test Method

Fundamental peak power measurements were recorded using the procedures from ANSI C63.10:2020 clause 11.9 and KDB 558074 D01 15.247 Meas Guidance v05r02.

Limit

(3) For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. For using antennas with greater than 6dBi of gain, the limit is reduced in dB by the amount the gain exceeds 6dBi (e.g. for a 7.4dBi antenna, the limit is reduced from 30dBm to 28.6dBm)

4.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24 °C

Relative Humidity: 48.9 %

Atmospheric Pressure: 98.73 kPa

4.4 Test Equipment

Test End Date: 27-Aug-2025

Tester: SGM

Equipment	Manufacturer	Model	Asset Number	Cal Date	Cal Due Date
RF CABLE SMA TO SMA, 0.01-40GHZ	TELEDYNE STORM MICROWAVE	084-0505-059	20109	3-Apr-2025	3-Apr-2026
TSTPASS SWITCHBOX	TSTPASS	SB2	23009	4-Apr-2025	4-Apr-2026
SIGNAL ANALYZER (TS8997)	ROHDE & SCHWARZ	FSV30	B085749	4-Mar-2025	4-Mar-2026

4.5 Test Data

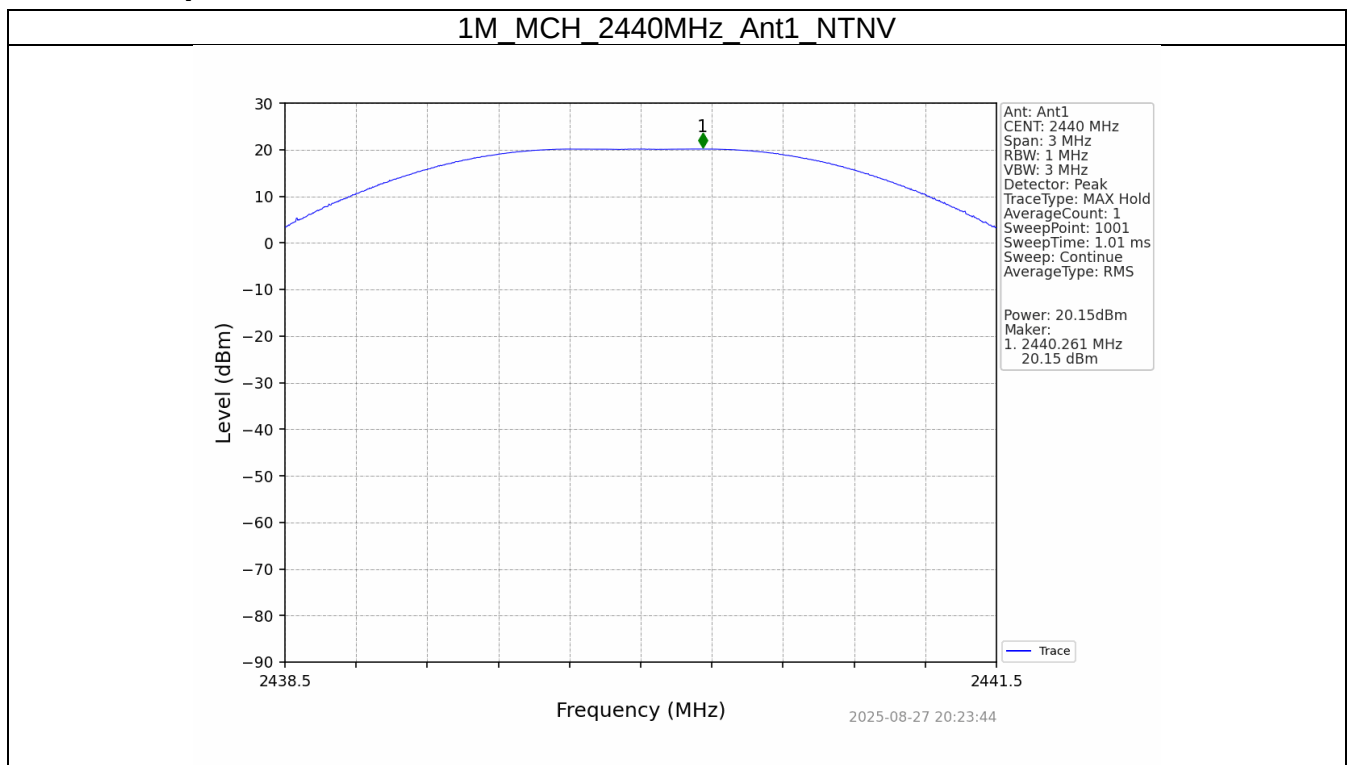
Mode	TX Type	Frequency (MHz)	E.I.R.P (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	20.87	<=36.02	Pass
		2440	21.65	<=36.02	Pass
		2476	21.58	<=36.02	Pass
2M	SISO	2402	15.28	<=36.02	Pass
		2440	16.38	<=36.02	Pass
		2476	16.41	<=36.02	Pass

Note1: Antenna Gain: Ant1: 1.50dBi;
Note2: E.I.R.P = Measured Power + Antenna Gain

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	19.37	<=30	Pass
		2440	20.15	<=30	Pass
		2476	20.08	<=30	Pass
2M	SISO	2402	13.78	<=30	Pass
		2440	14.88	<=30	Pass
		2476	14.91	<=30	Pass

Note1: Antenna Gain: Ant1: 1.50dBi;

4.5.1 Example Plots



5 Power Spectral Density

5.1 Test Result

Test Description	Test Specification		Test Result
Power Spectral Density	15.247(e)	RSS-247 S5.2 (b)	Compliant

5.2 Test Method

Power spectral density measurements were recorded using the procedures from ANSI C63.10:2020 clause 11.10 and KDB 558074 D01 15.247 Meas Guidance v05r02 .

Limit

The limit is 8dBm/3kHz

5.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24 °C

Relative Humidity: 48.9 %

Atmospheric Pressure: 98.73 kPa

5.4 Test Equipment

Test End Date: 27-Aug-2025

Tester: SGM

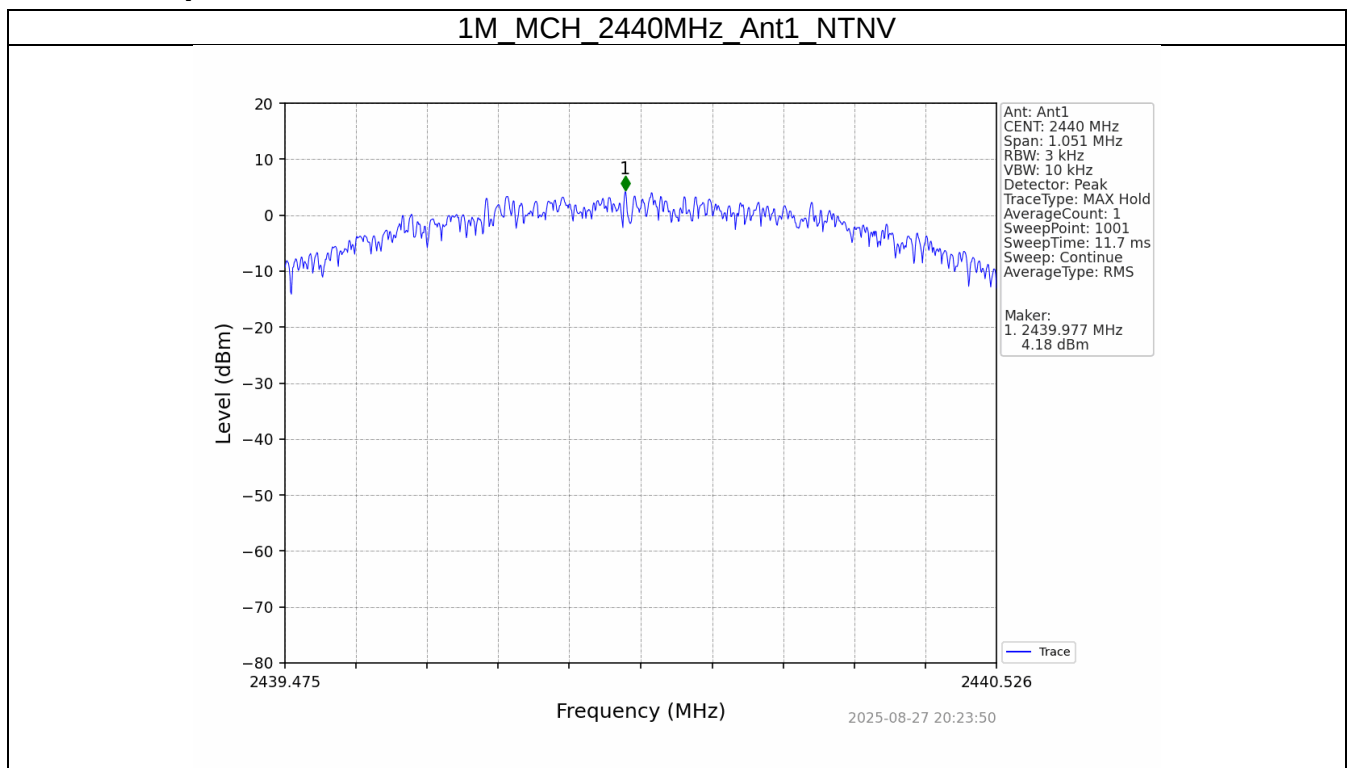
Equipment	Manufacturer	Model	Asset Number	Cal Date	Cal Due Date
RF CABLE SMA TO SMA, 0.01-40GHZ	TELEDYNE STORM MICROWAVE	084-0505-059	20109	3-Apr-2025	3-Apr-2026
TSTPASS SWITCHBOX	TSTPASS	SB2	23009	4-Apr-2025	4-Apr-2026
SIGNAL ANALYZER (TS8997)	ROHDE & SCHWARZ	FSV30	B085749	4-Mar-2025	4-Mar-2026

5.5 Test Data

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	3.54	<=8	Pass
		2440	4.18	<=8	Pass
		2476	4.27	<=8	Pass
2M	SISO	2402	-4.19	<=8	Pass
		2440	-3.10	<=8	Pass
		2476	-3.08	<=8	Pass

Note1: Antenna Gain: Ant1: 1.50dBi;

5.5.1 Example Plots



6 Conducted Spurious Emissions / Band Edge

6.1 Test Result

Test Description	Test Specification		Test Result
Conducted Spurious Emissions	15.247(d)	RSS-247 S5.5	Compliant

6.2 Test Method

Spurious emissions in non-restricted frequency bands were recorded using the methods defined in ANSI C63.10:2020 clause 11.11 and KDB 558074 D01 15.247 Meas Guidance v05r02 .

Lowest, middle, and highest channels were investigated.

Because the maximum conducted peak output power was used to determine compliance with the output power limits, the limit in any 100 kHz band outside of the authorized band is 20 dB below the maximum in-band peak level.

6.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24 °C

Relative Humidity: 48.9 %

Atmospheric Pressure: 98.73 kPa

6.4 Test Equipment

Test End Date: 27-Aug-2025

Tester: SGM

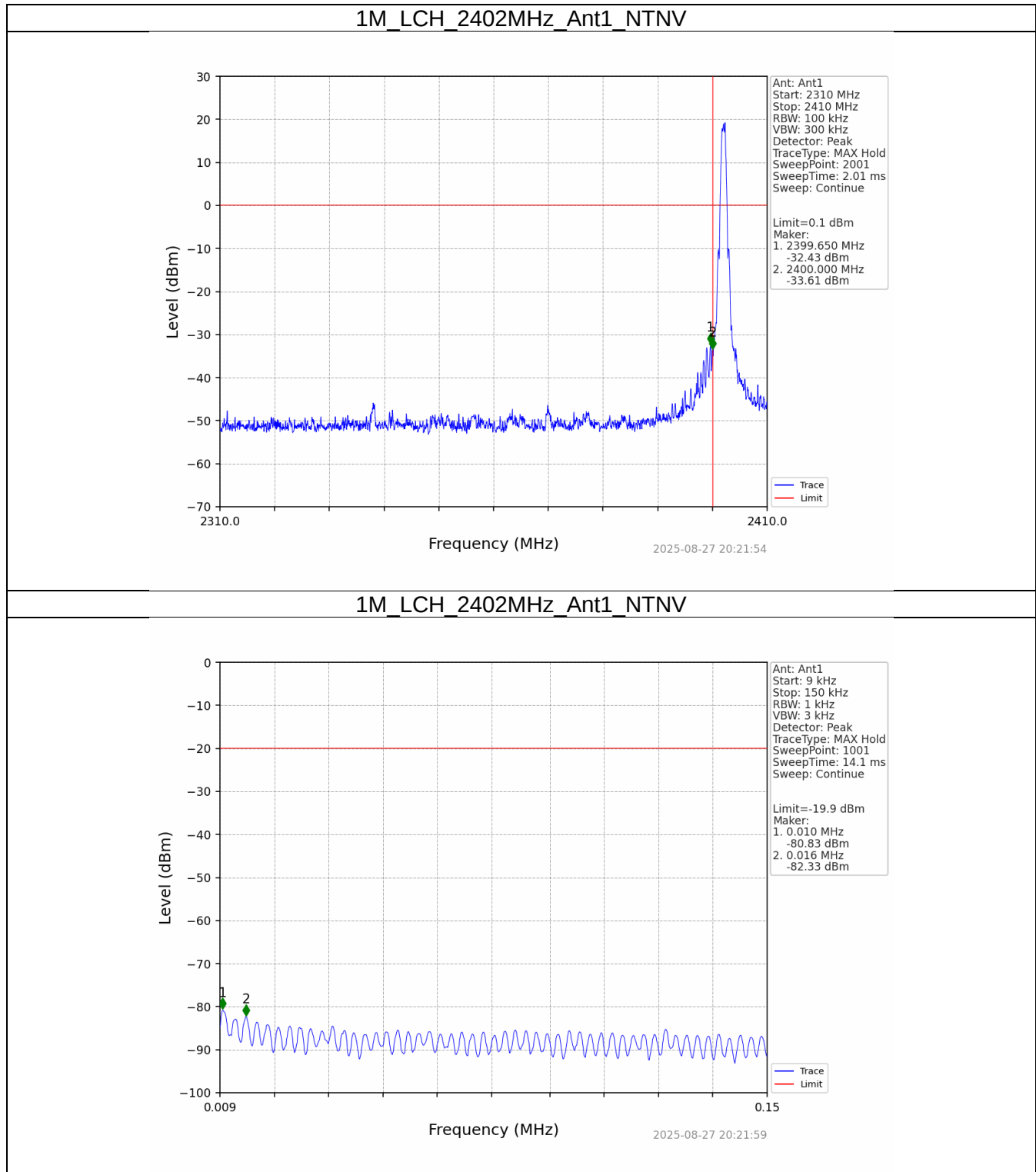
Equipment	Manufacturer	Model	Asset Number	Cal Date	Cal Due Date
RF CABLE SMA TO SMA, 0.01-40GHZ	TELEDYNE STORM MICROWAVE	084-0505-059	20109	3-Apr-2025	3-Apr-2026
TSTPASS SWITCHBOX	TSTPASS	SB2	23009	4-Apr-2025	4-Apr-2026
SIGNAL ANALYZER (TS8997)	ROHDE & SCHWARZ	FSV30	B085749	4-Mar-2025	4-Mar-2026

6.5 Test Data – DTS Band Edge

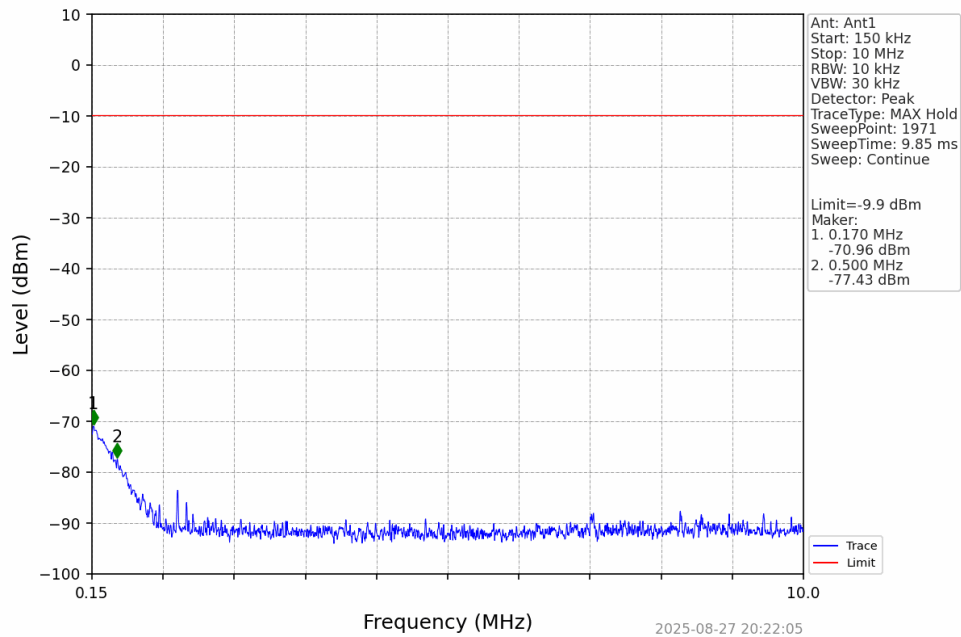
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	20.10	0.10	Pass
		2440	1	20.10	0.10	Pass
		2476	1	20.10	0.10	Pass
2M	SISO	2402	1	14.78	-5.22	Pass
		2440	1	14.78	-5.22	Pass
		2476	1	14.78	-5.22	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum. PSD level was used to establish the reference level.

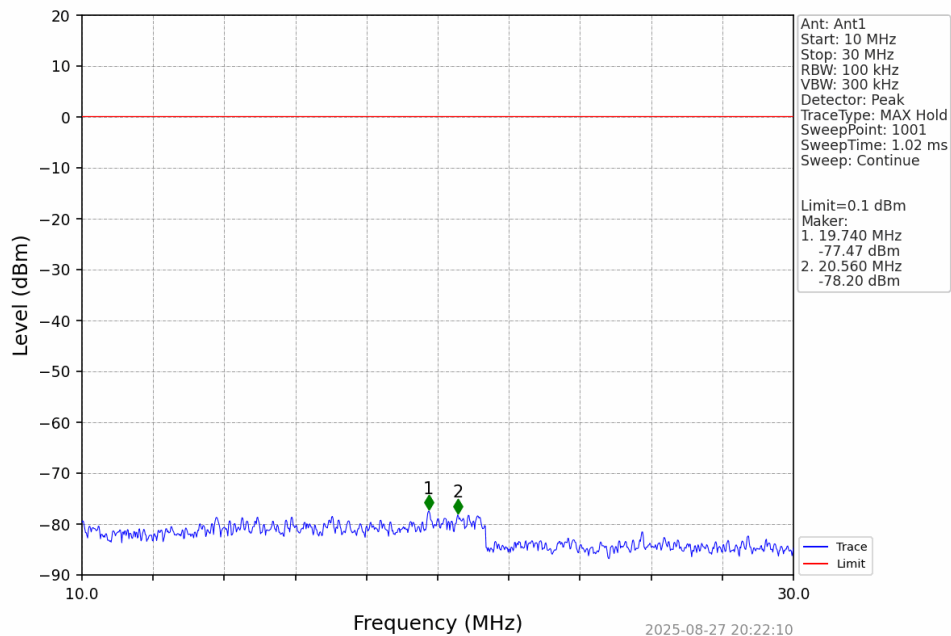
6.6 Test Graph



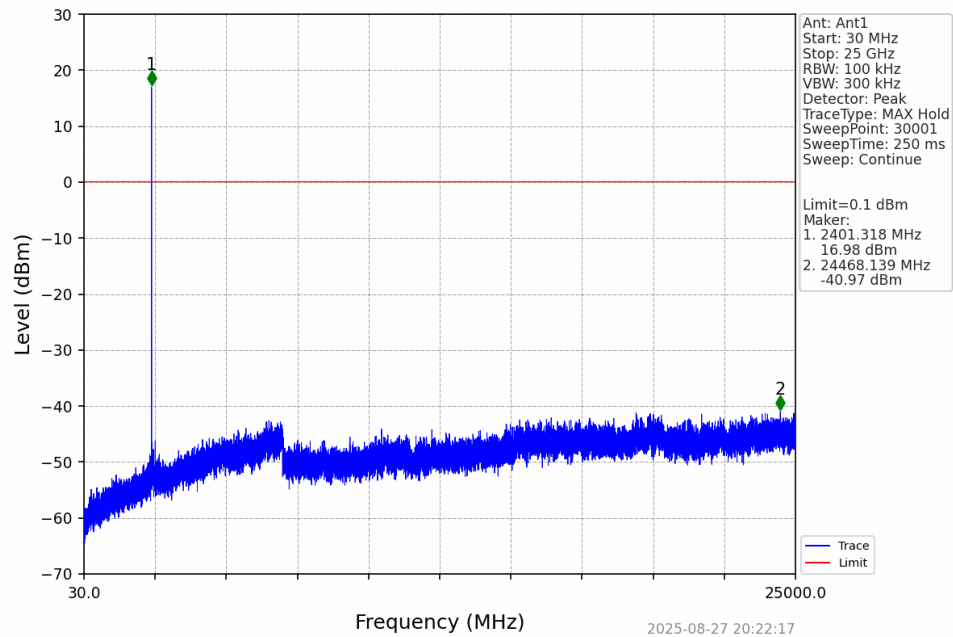
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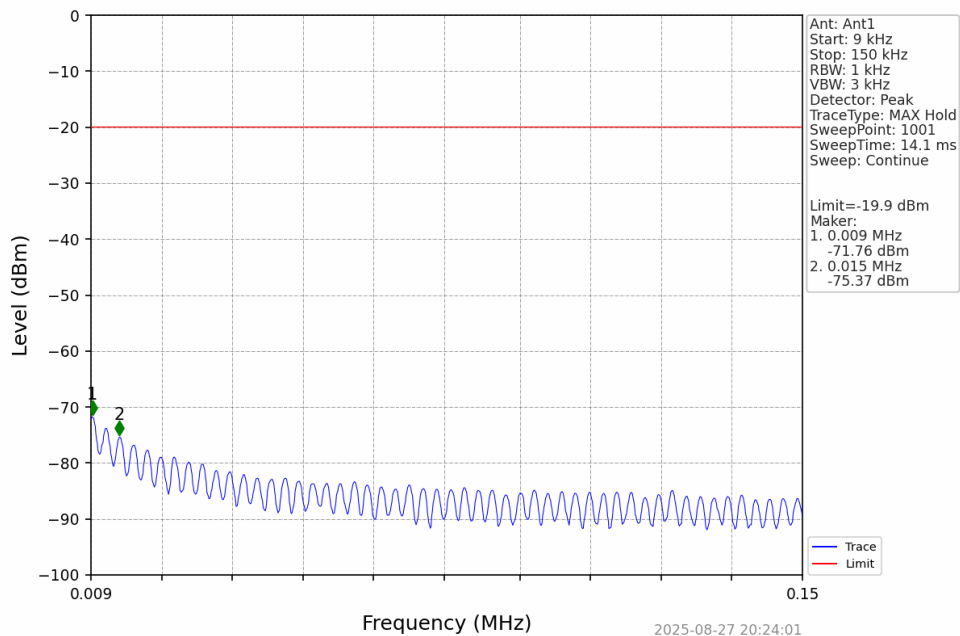
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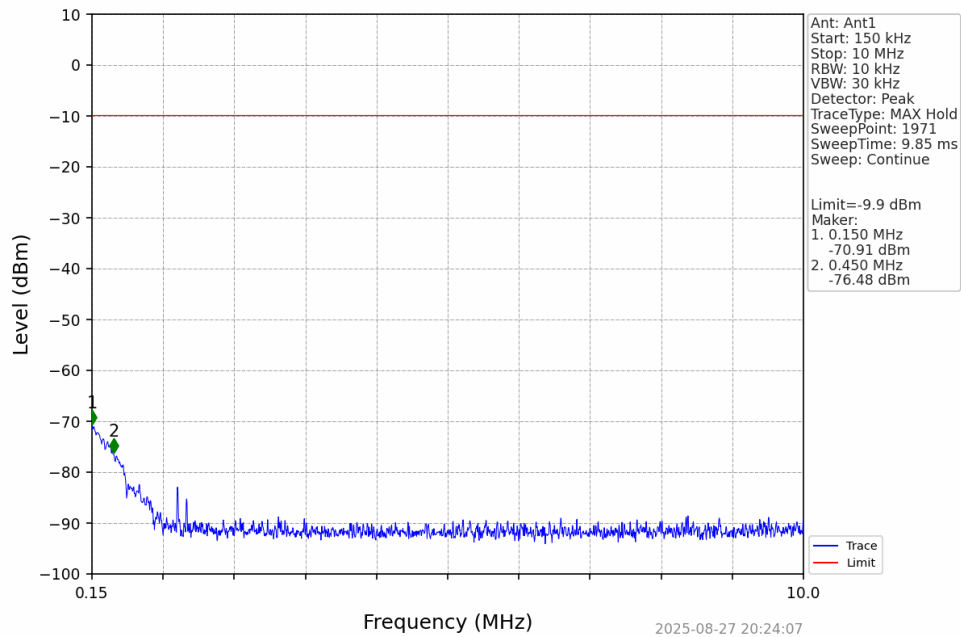
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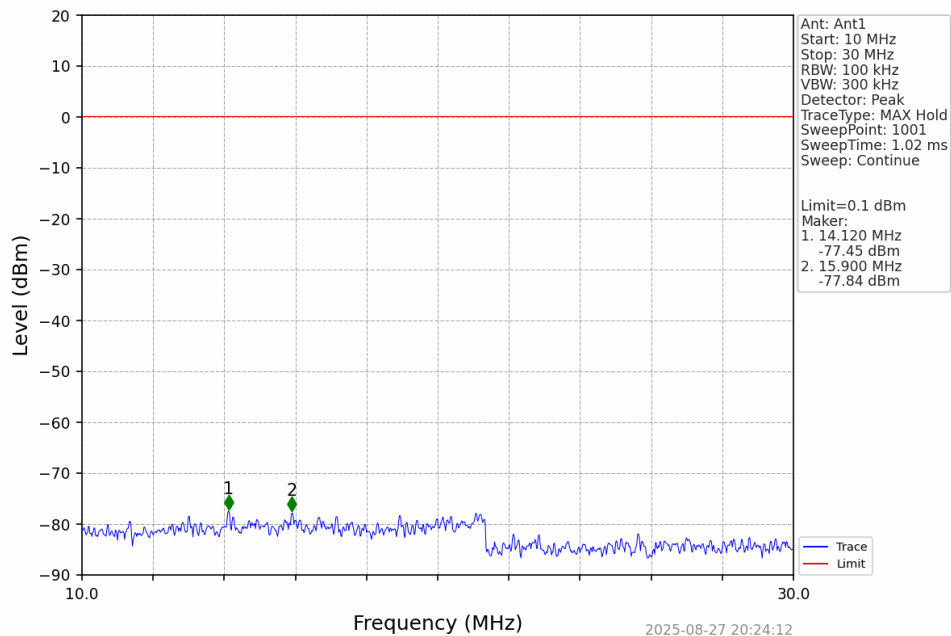
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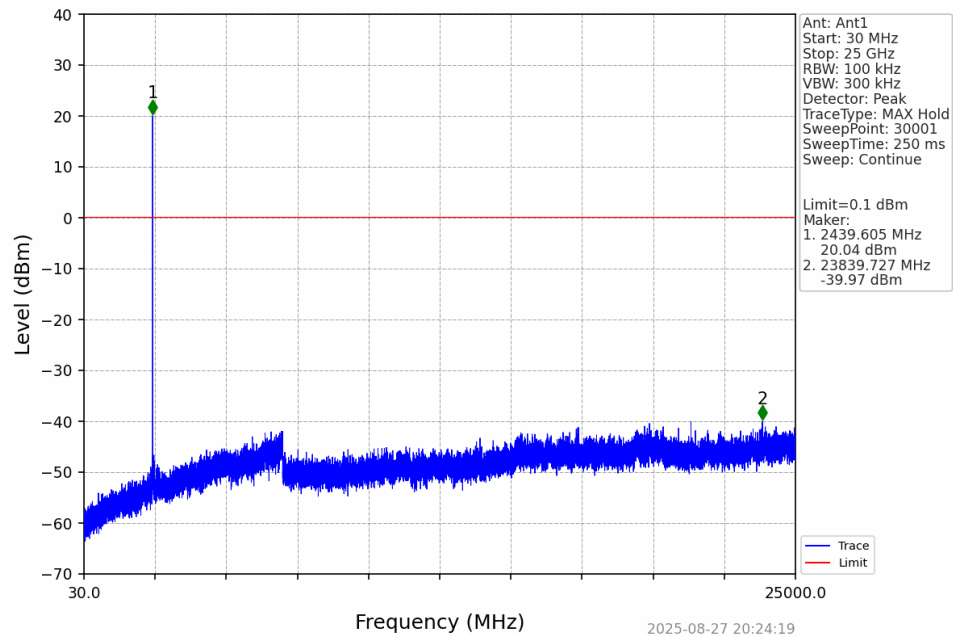
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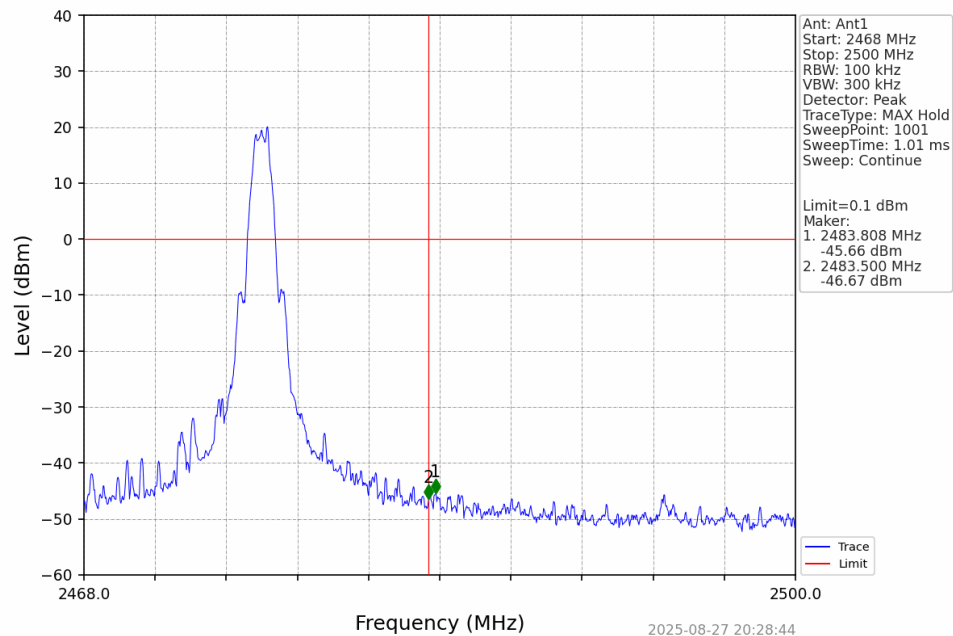
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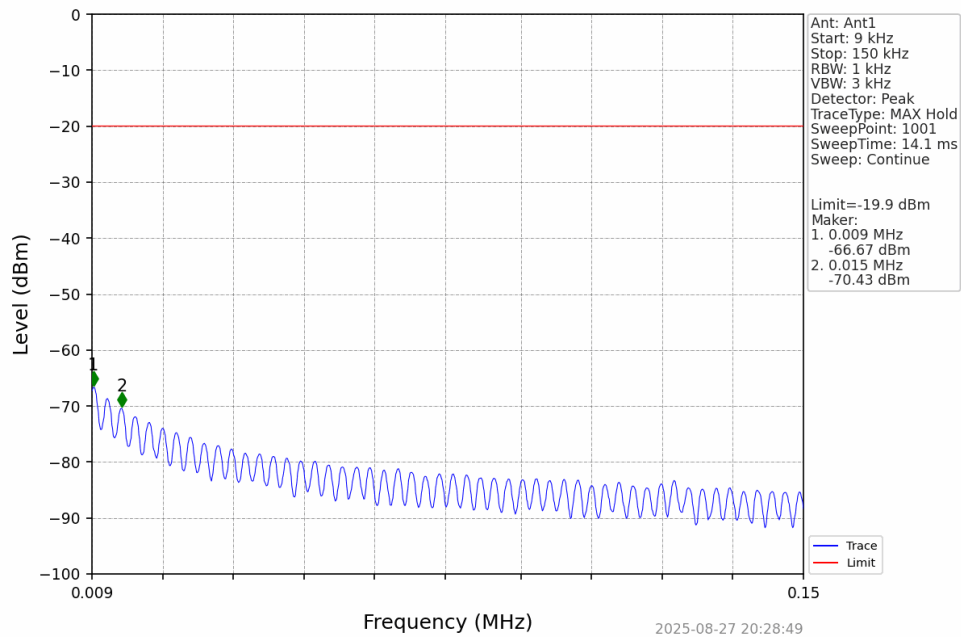
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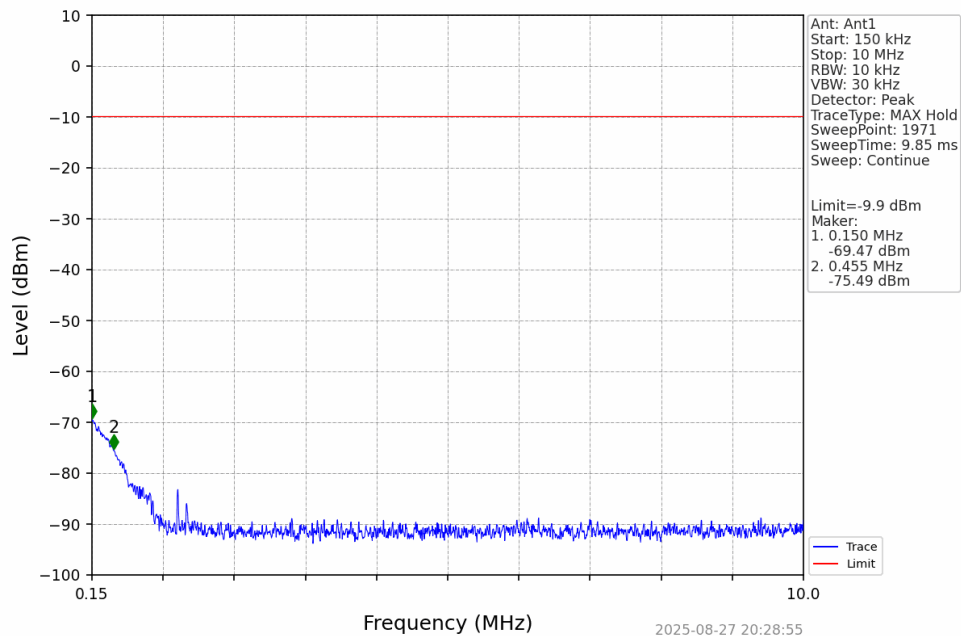
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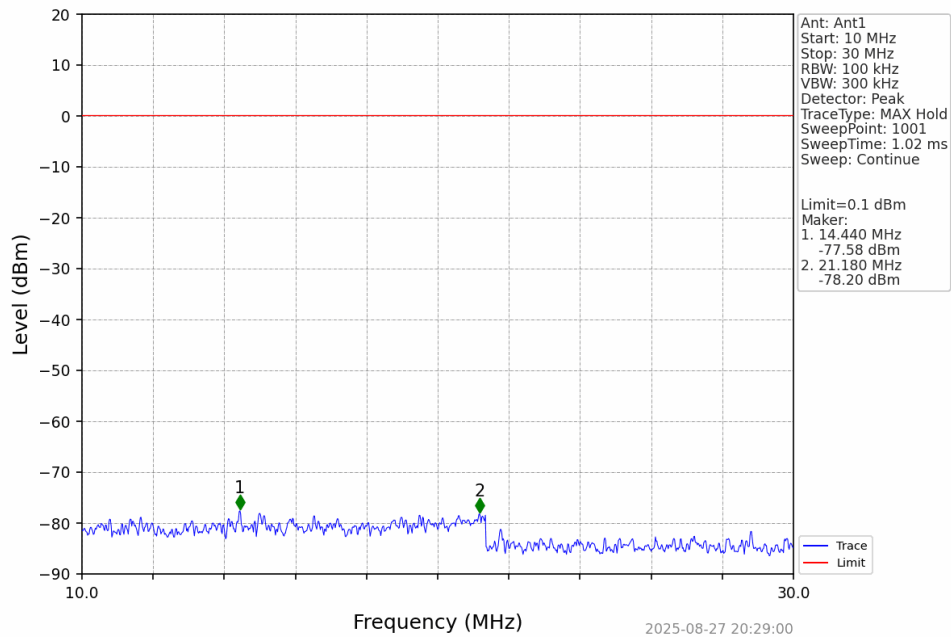
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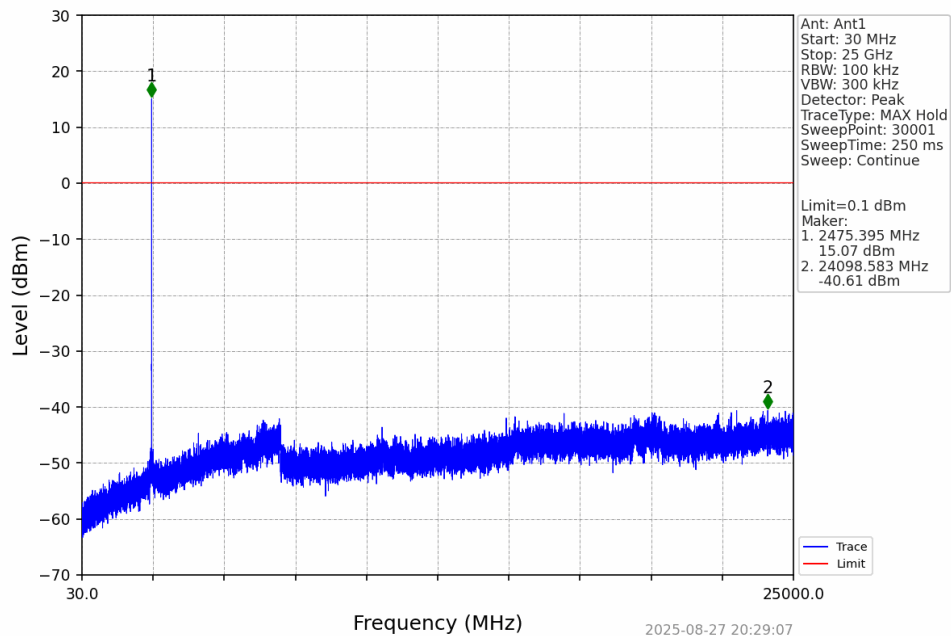
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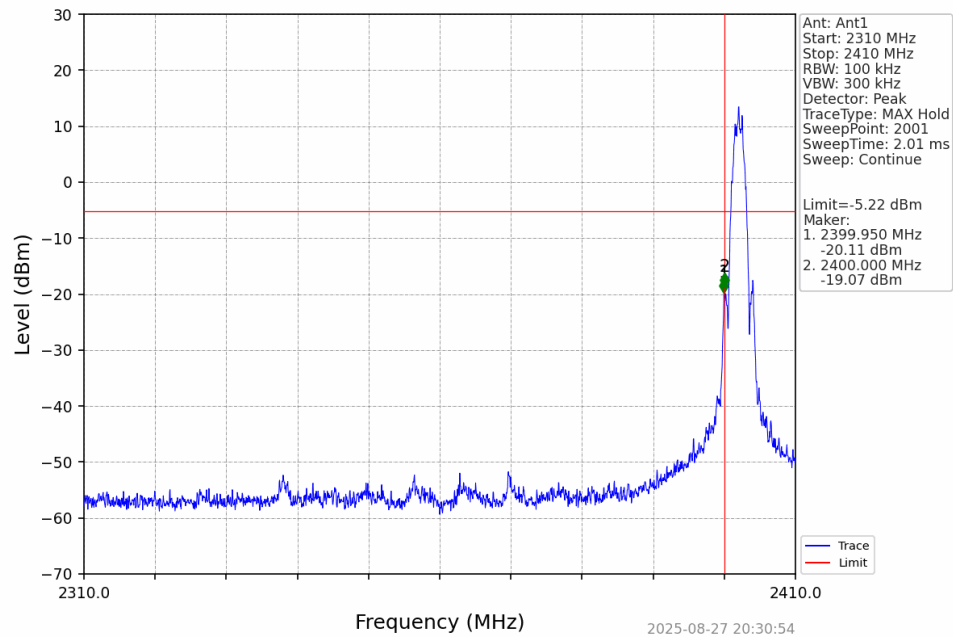
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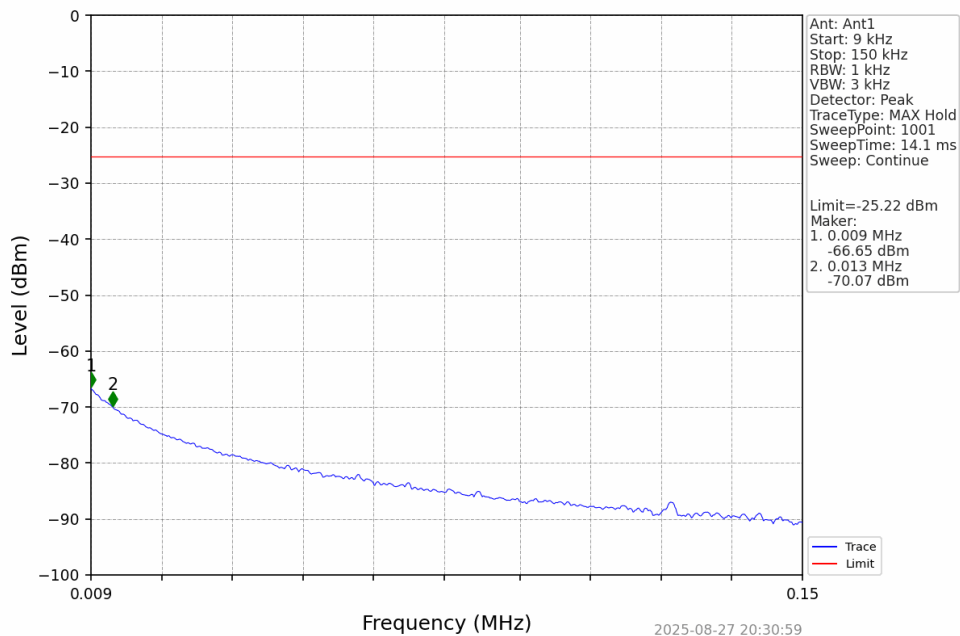
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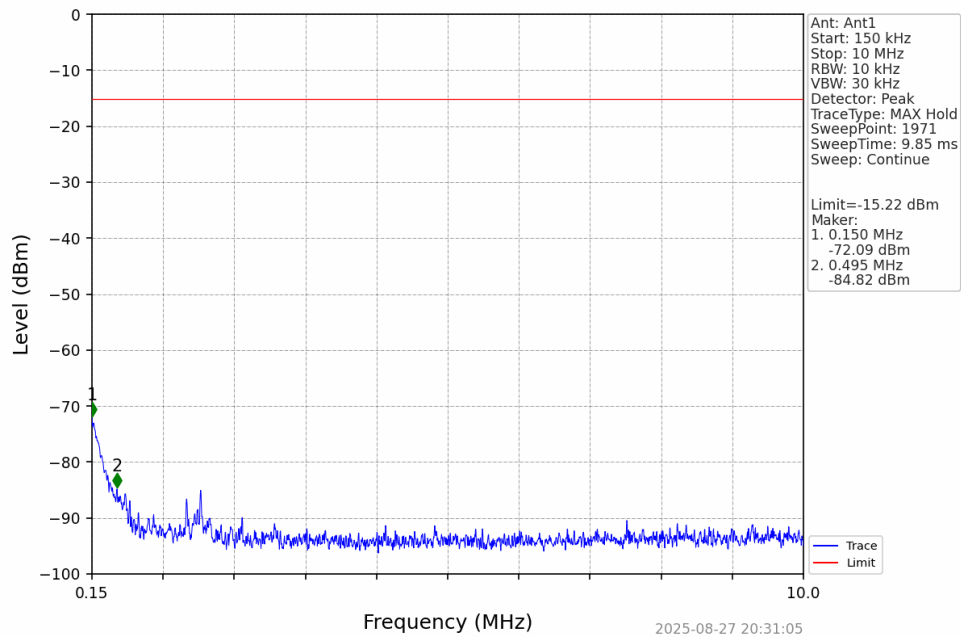
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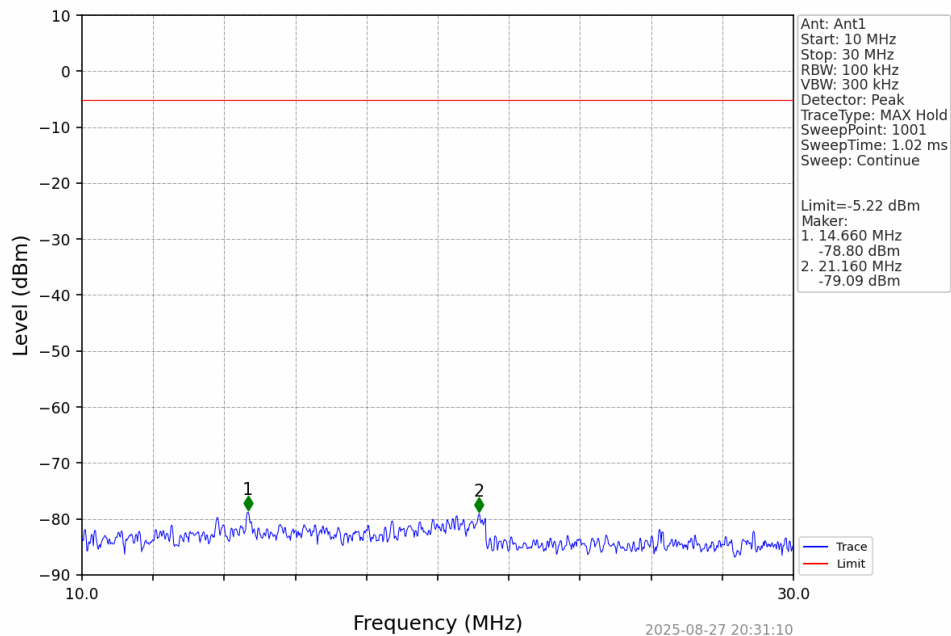
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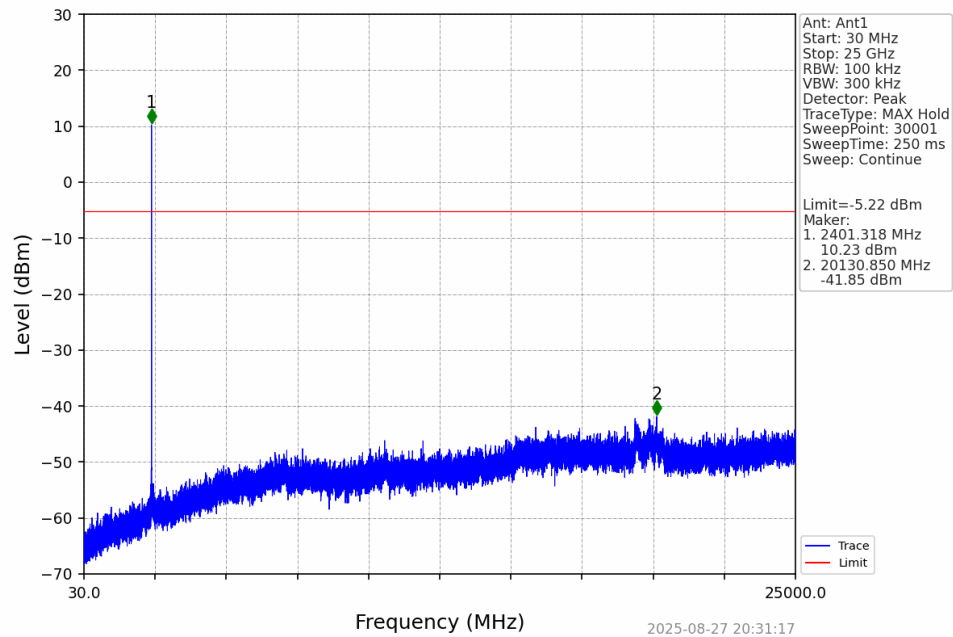
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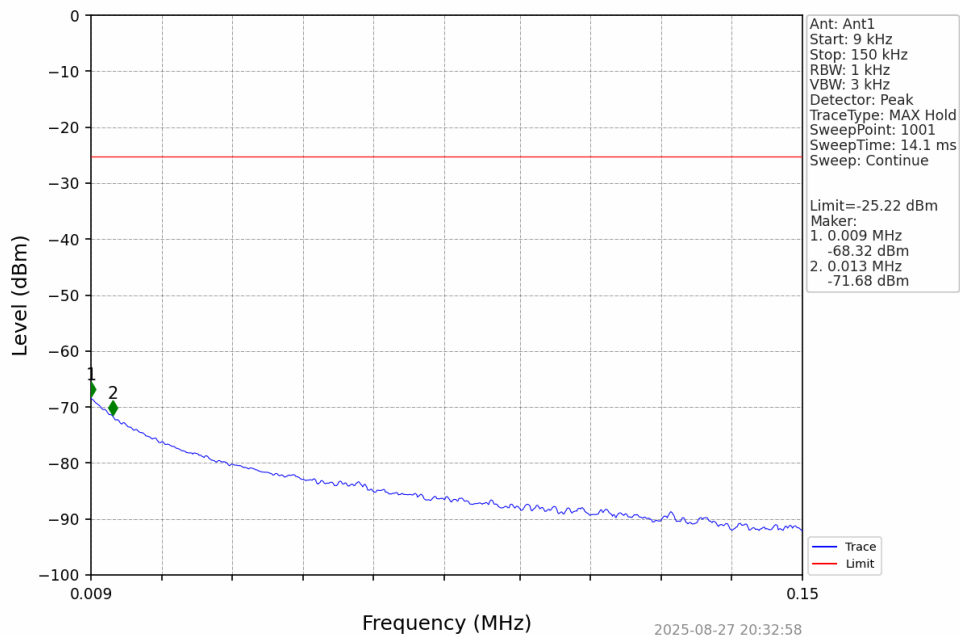
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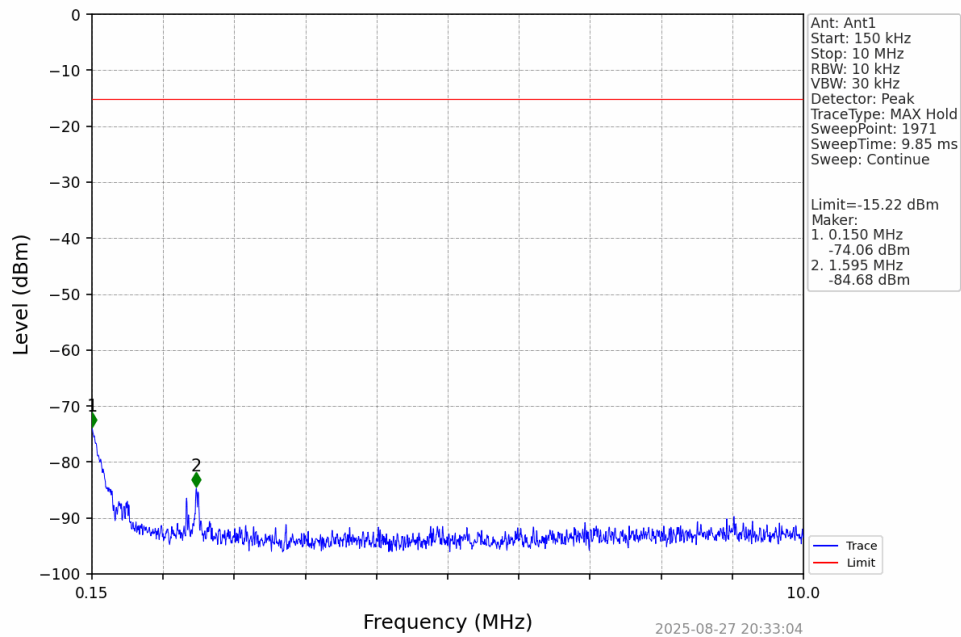
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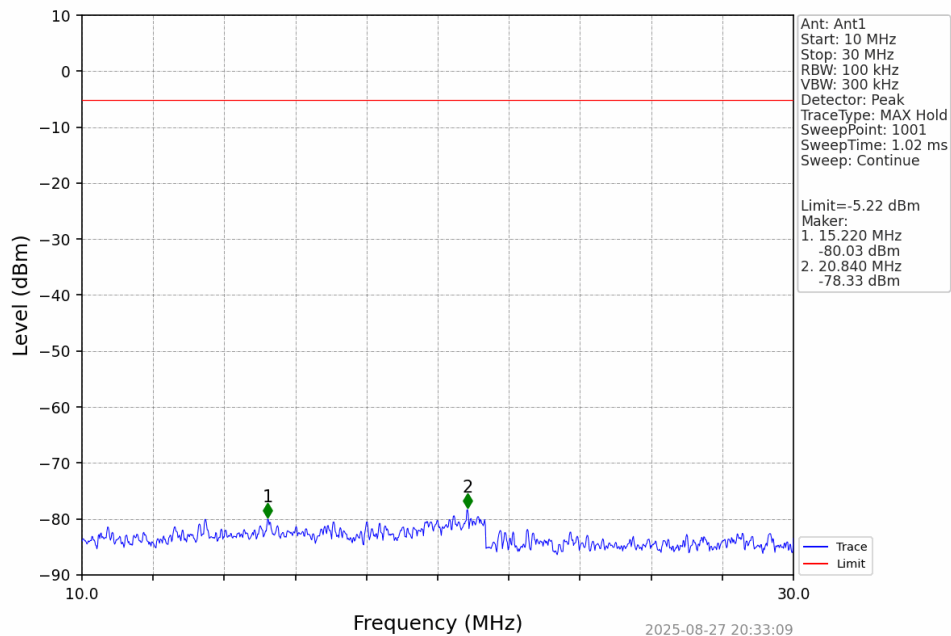
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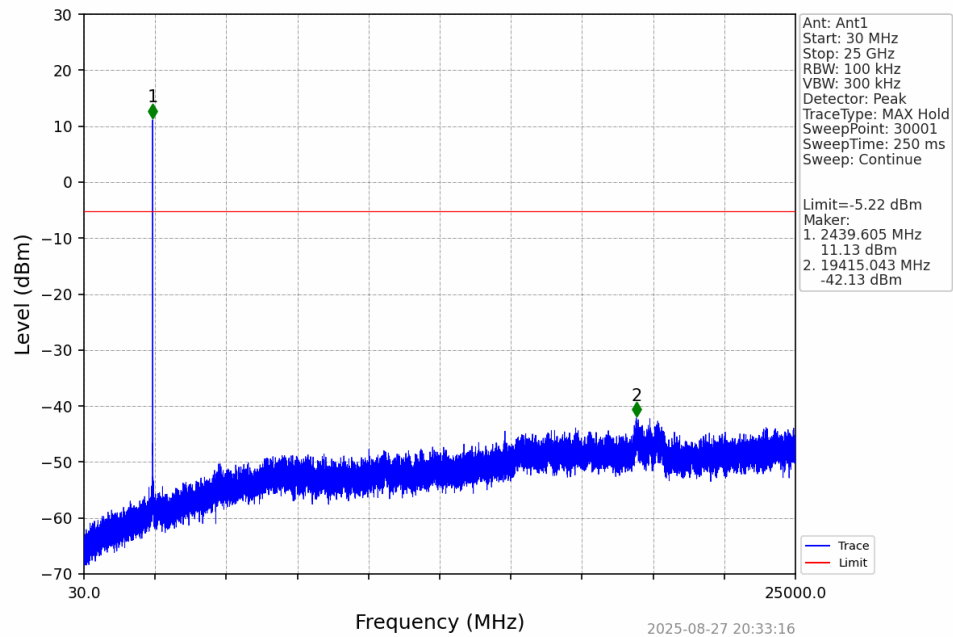
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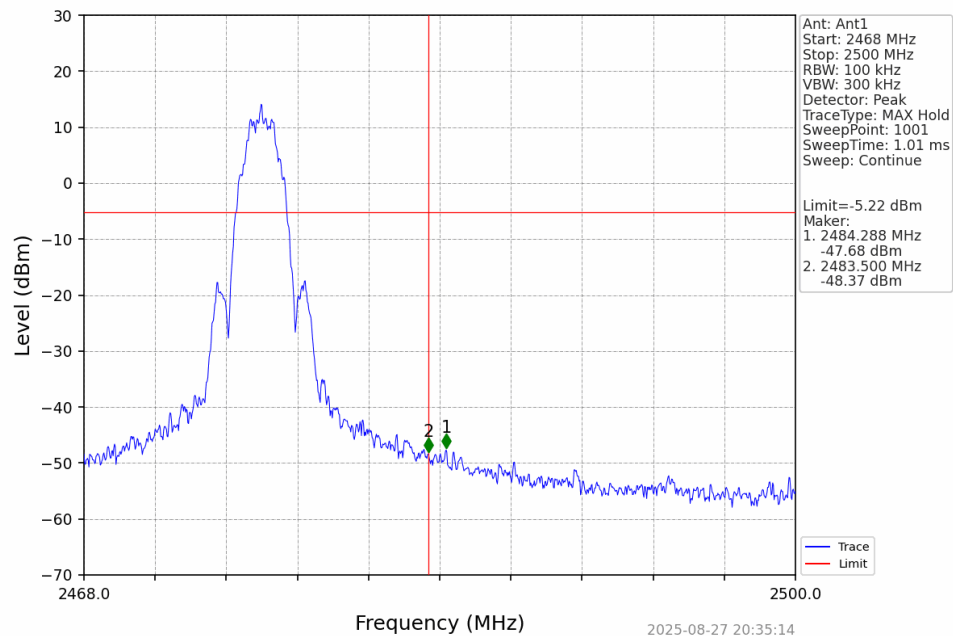
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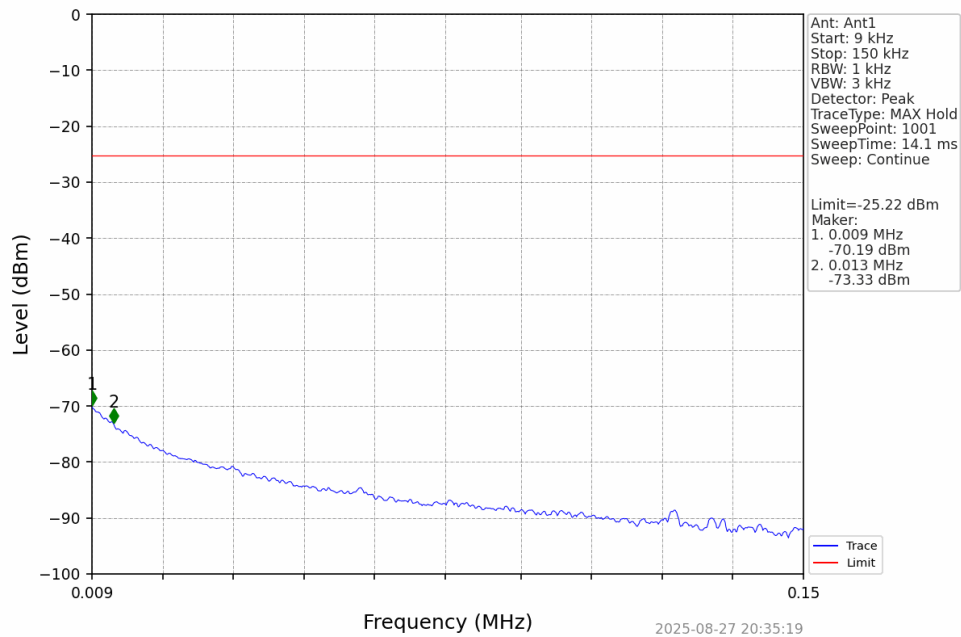
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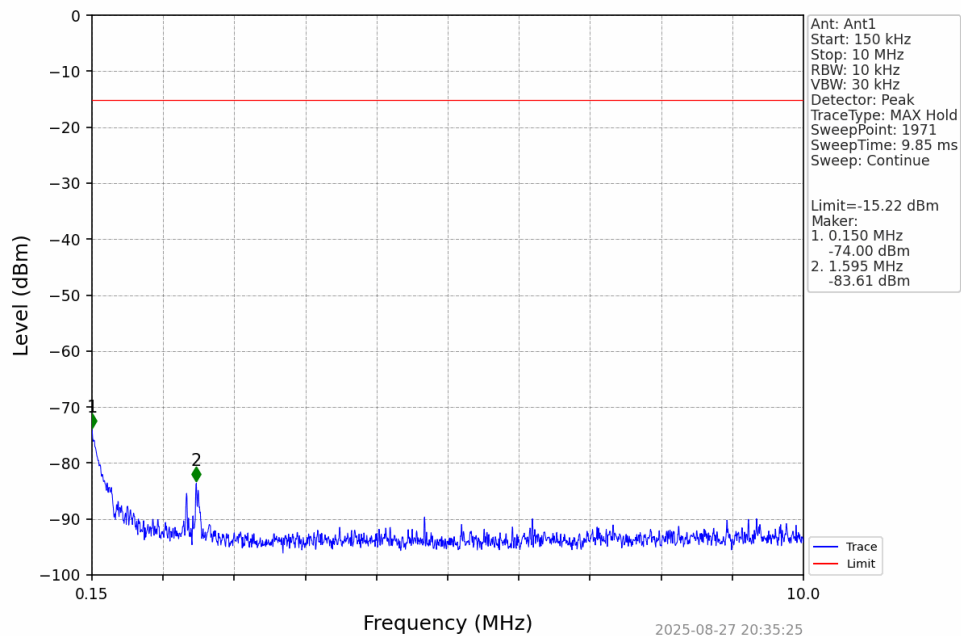
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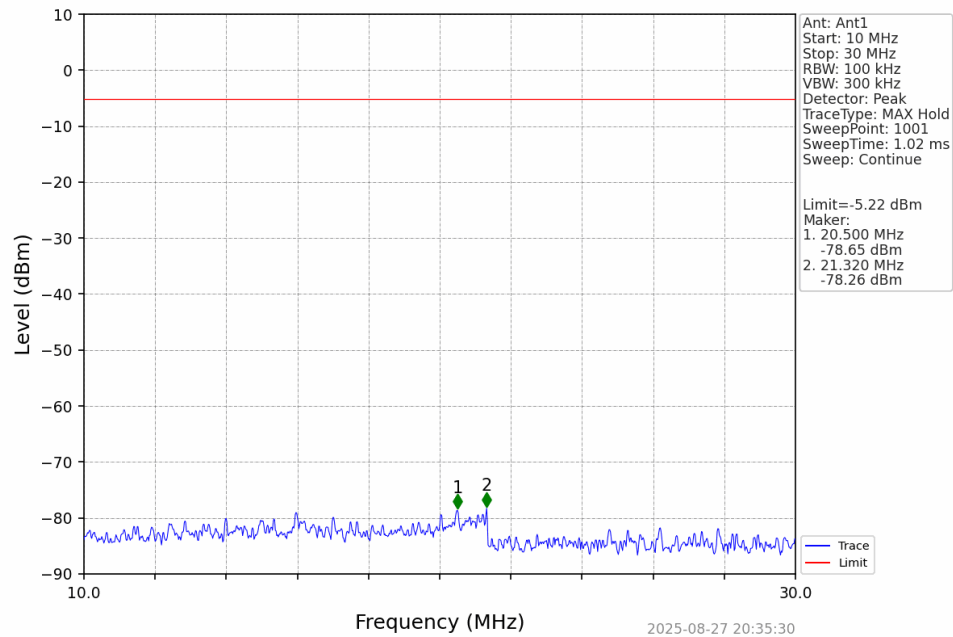
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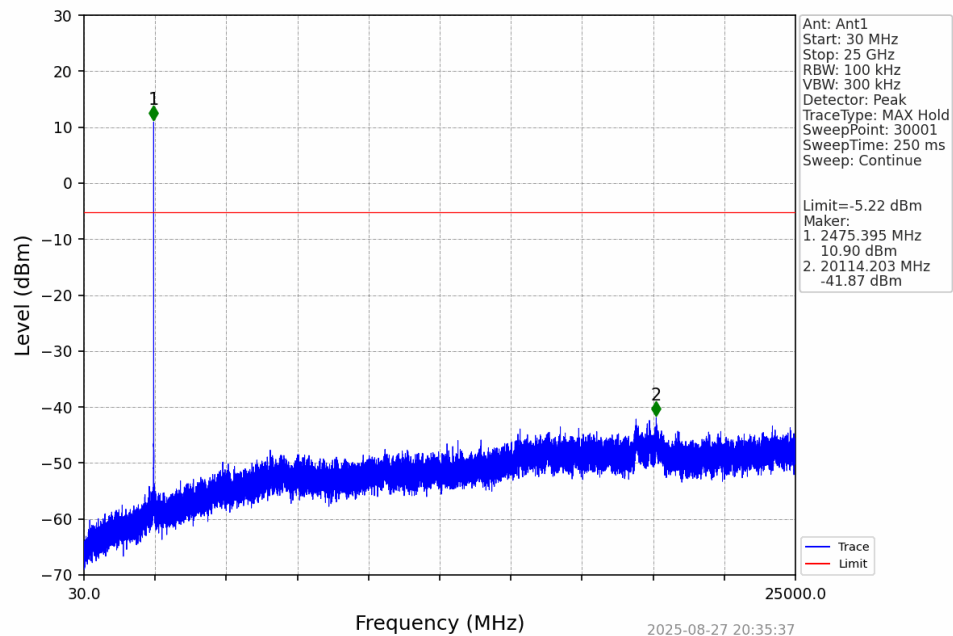
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2M_HCH_2476MHz_Ant1_NTNV



2M_HCH_2476MHz_Ant1_NTNV



7 Field Strength of Spurious Radiation

7.1 Test Result

Test Description	Test Specification		Test Result
Radiated Spurious Emissions	15.247(d) and 15.209	RSS-247 S5.5	Compliant

7.2 Test Method

The measurement methods defined in ANSI C63.10:2020 were used.

Lowest, middle, and highest channels were investigated – the device was commanded to continuously transmit on channels low, middle, and high channels.

Test distance:

- 9k to 30 MHz – The EUT to measurement antenna distance was 3 meters
- 30 to 1000 MHz - The EUT to measurement antenna distance was 3 meters
- 1 to 18 GHz - The EUT to measurement antenna distance was 3 meters
- 18 to 26 GHz - The EUT to measurement antenna distance was 1 meters

Limits within restricted bands of operation:

Frequency	Limits ⁽¹⁾		Peak Limits dBuV/m
	Microvolts/m	dBuV/m	
30 - 88 MHz	100	40 ⁽²⁾	--
88 - 216 MHz	150	43.5 ⁽²⁾	--
216 - 960 MHz	200	46 ⁽²⁾	--
960 - 1000 MHz	500	54 ⁽²⁾	--
1 - 40 GHz	500	54 ⁽³⁾	74

(1) These limits are applicable to emissions outside of the intentional transmit frequency band.

(2) Quasi-peak limit

(3) Average limit

7.3 Test Site

10m Absorber Lined Shielded Enclosure (ALSE), Suwanee, GA
SGS EMC Laboratory, Suwanee, GA

Environmental Conditions	9kHz-1GHz	1-18GHz	18-26GHz
Temperature:	23.16 °C	23.36 °C	23.17 °C
Relative Humidity:	55.6 %	55 %	51.4 %
Atmospheric Pressure:	97.74 kPa	97.35 kPa	98.33 kPa

7.4 Test Equipment

9kHz-30MHz

Test End Date: 4-Sep-2025

Tester: SGM

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
ANTENNA, LOOP, ACTIVE	6502	ETS LINDGREN	B085752	24-Mar-2024	24-Mar-2026
N to N RF Cable	EM-B810NM-276	ECHELON	24021	15-Nov-2024	15-Nov-2025
N to N RF Cable	NC12-N1N1-276	MEGAPHASE	22000	8-Aug-2025	8-Aug-2026
RF CABLE NM TO NM, 0.01-18GHZ	90-195-079	TELEDYNE STORM MICROWAVE	20123	6-Feb-2025	6-Feb-2026
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22027	14-Nov-2024	14-Nov-2025

30-1000MHz

Test End Date: 4-Sep-2025

Tester: SGM

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
ANTENNA, BILOG	JB6	SUNOL	B079690	19-Apr-2024	19-Apr-2026
N to N RF Cable	EM-B810NM-276	ECHELON	24021	15-Nov-2024	15-Nov-2025
N to N RF Cable	NC12-N1N1-276	MEGAPHASE	22000	8-Aug-2025	8-Aug-2026
RF CABLE	104PE	HUBER & SUHNER	B079793	8-Aug-2025	8-Aug-2026
RF CABLE NM TO NM, 0.01-18GHZ	90-195-079	TELEDYNE STORM MICROWAVE	20123	6-Feb-2025	6-Feb-2026
LOW NOISE AMPLIFIER	ZKL-2+	MINI-CIRCUITS	B079817	6-Aug-2025	6-Aug-2026
ROTARY NM TO NF CONNECTOR	18-2120-0	DIAMOND ANTENNA AND MICROWAVE CORP	22007	17-Mar-2025	17-Mar-2026
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22027	14-Nov-2024	14-Nov-2025

1-18GHz

Test End Date: 21-Aug-2025

Tester: SGM

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
ANTENNA, DRG HORN (MEDIUM)	3117	ETS LINDGREN	B079691	2-Aug-2024	2-Aug-2026
N to N RF Cable	EM-B810NM-276	ECHELON	24021	15-Nov-2024	15-Nov-2025
RF CABLE	SF106	HUBER & SUHNER	B085888	6-Aug-2025	6-Aug-2026
LOW NOISE AMPLIFIER	TS-PR18	ROHDE & SCHWARZ	B094463	3-Jul-2025	3-Jul-2026
FILTER, HIGH PASS, >2800MHZ	HPM50111	MICRO-TRONICS	22017	16-Jun-2025	16-Jun-2026
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22032	2-Jan-2025	2-Jan-2026

18-26GHz

Test End Date: 2-Sep-2025

Tester: SGM

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
ANTENNA, DRG HORN (SMALL)	3116B	ETS LINDGREN	B079695	2-Aug-2024	2-Aug-2026
SMA to SMA RF Cable	NC12-K1K1-138	MEGAPHASE	22002	3-Apr-2025	3-Apr-2026
RF CABLE SMA	HULL150A-29P-29P-36	HASCO COMPONENTS	19101	3-Apr-2025	3-Apr-2026
LOW NOISE AMPLIFIER	NSP1840-HG	MITEQ	B087572	21-Oct-2024	21-Oct-2025
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22032	2-Jan-2025	2-Jan-2026

Software Profile:

“RSE 9k - 30M Active Red Loop RB Limit 250904” TILE! profile dated 4th of September 2025

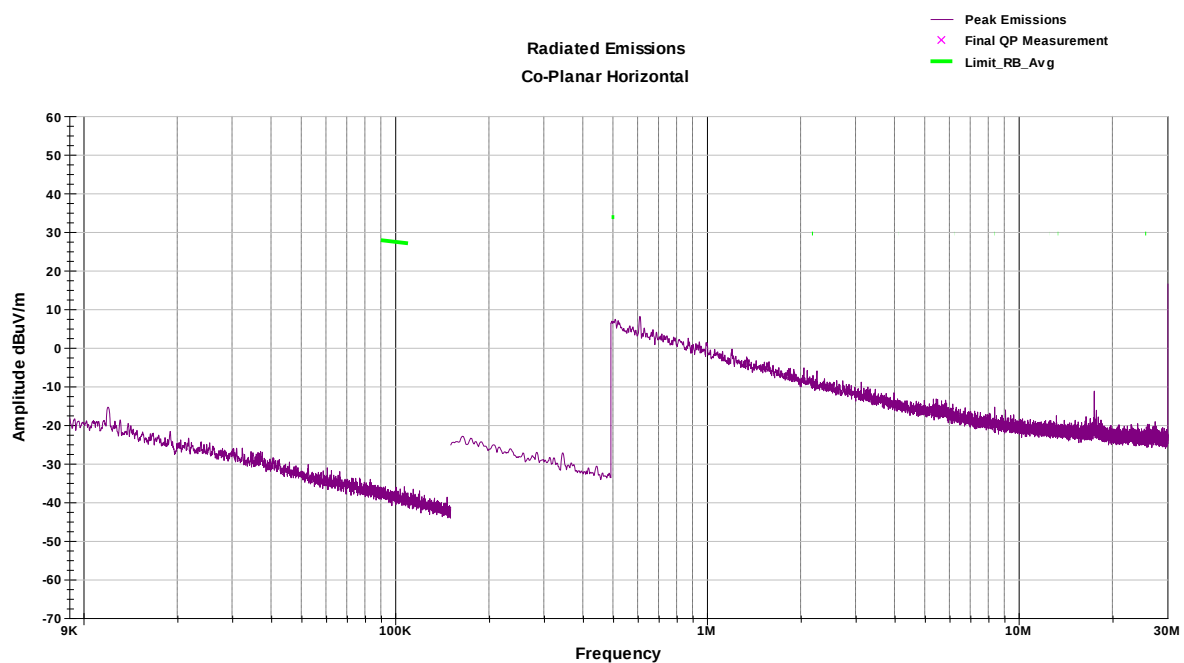
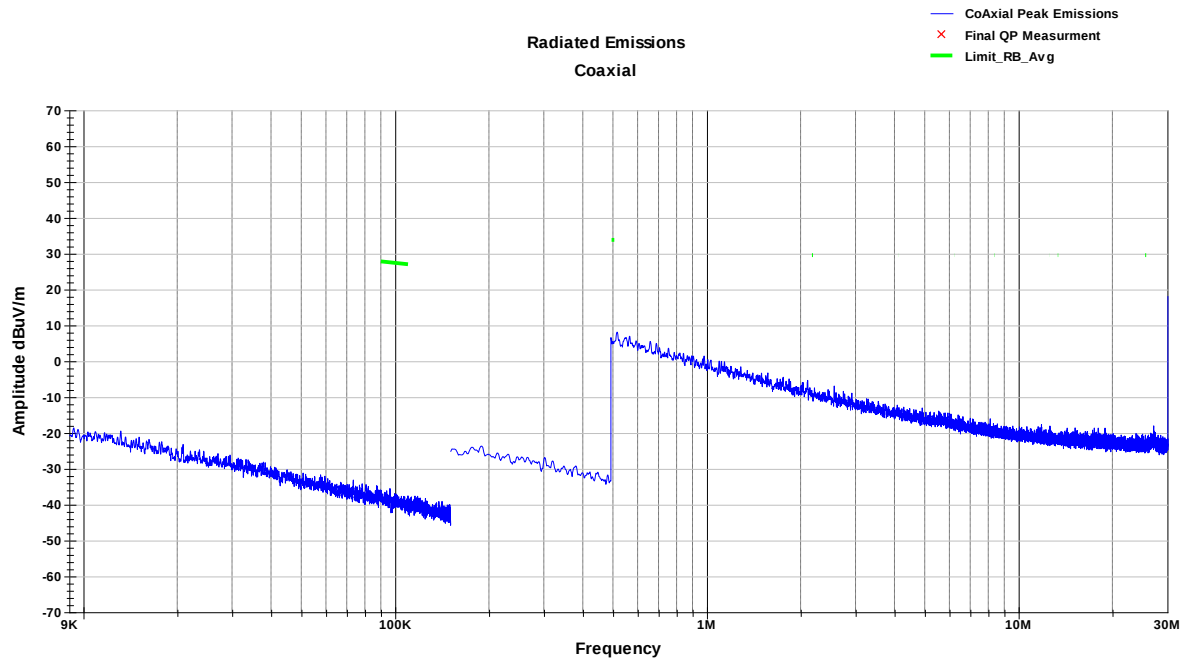
“RSE 30-1000 MHz T7 250729 2.4GHz Transmitter” TILE! profile dated 29th of July 2025

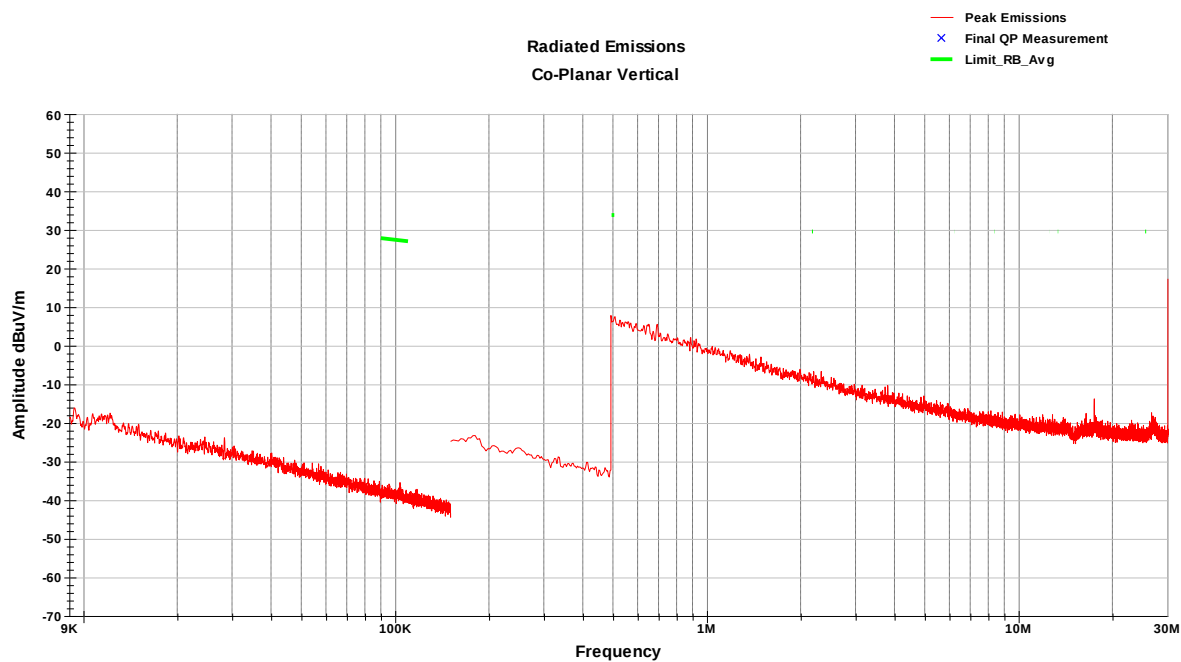
“RSE 1-40GHz 250903” TILE! profile dated 3rd of September 2025

7.5 Test Data

This frequency range does not show any significant difference between different chains, channels and/or orientation. Worst case plots shown.

7.5.1 9kHz-30MHz – Middle Channel

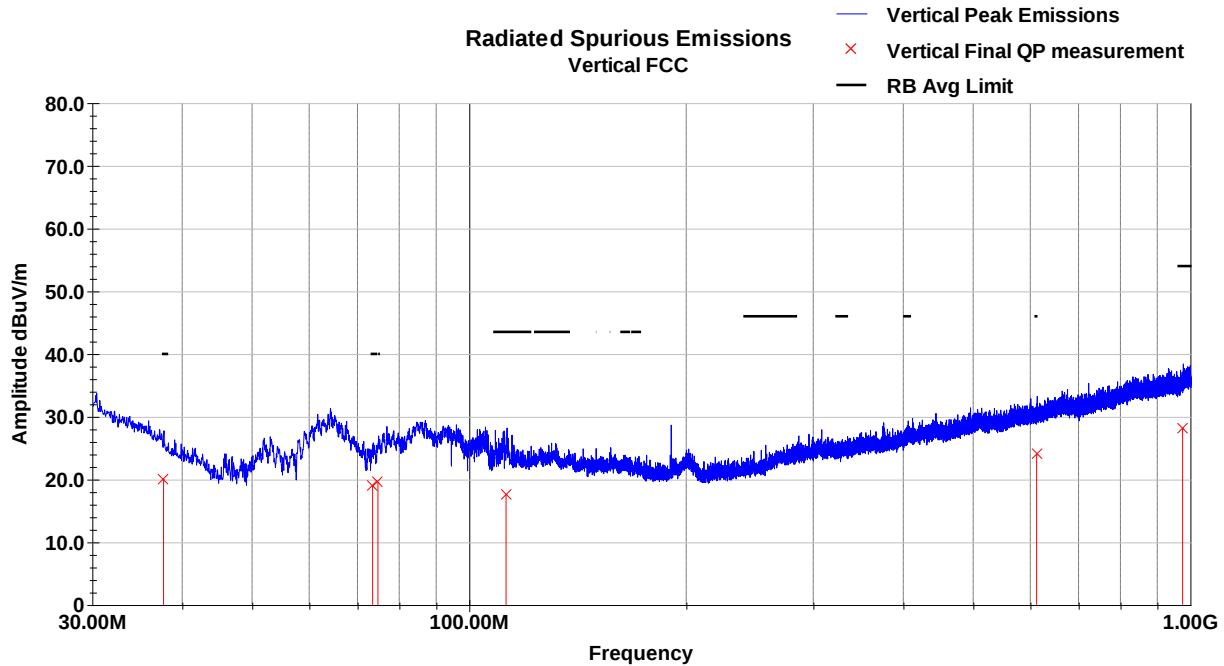




This frequency range does not show any significant difference between different chains, channels and/or orientation. Worst case plots shown.

7.5.2 30MHz to 1 GHz – Middle Channel

Vertical Peak Plot



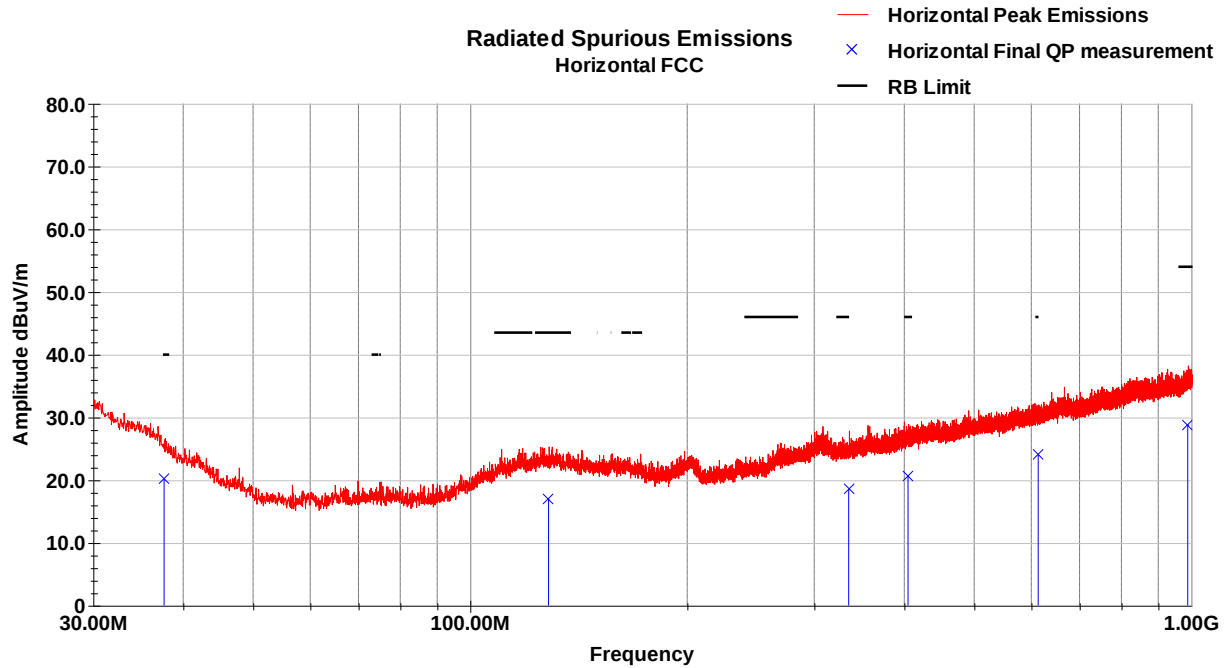
Vertical Tabular Data

Frequency MHz	Raw QP (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	Amp (dB)	QP Value (dBuV/m)	Limit dBuV/m	Margin (dB)
37.69	29.6	V	131.0	266.0	20.2	0.9	30.7	20.0	40.0	-20.0
73.48	36.1	V	359.0	117.0	12.2	1.4	30.6	19.1	40.0	-20.9
74.73	36.6	V	214.0	159.0	12.1	1.4	30.6	19.6	100.0	-20.4
112.52	29.6	V	263.0	158.0	16.9	1.7	30.5	17.7	43.5	-25.9
612.27	25.8	V	182.0	119.0	23.8	4.0	29.8	24.0	46.0	-22.0
976.02	24.7	V	61.0	137.0	27.5	4.8	28.8	28.2	54.0	-25.8

QP Value = Raw QP + AF + Loss - Amp

Margin = QP Value - Limit

Horizontal Peak Plot



Tabular Data Horizontal

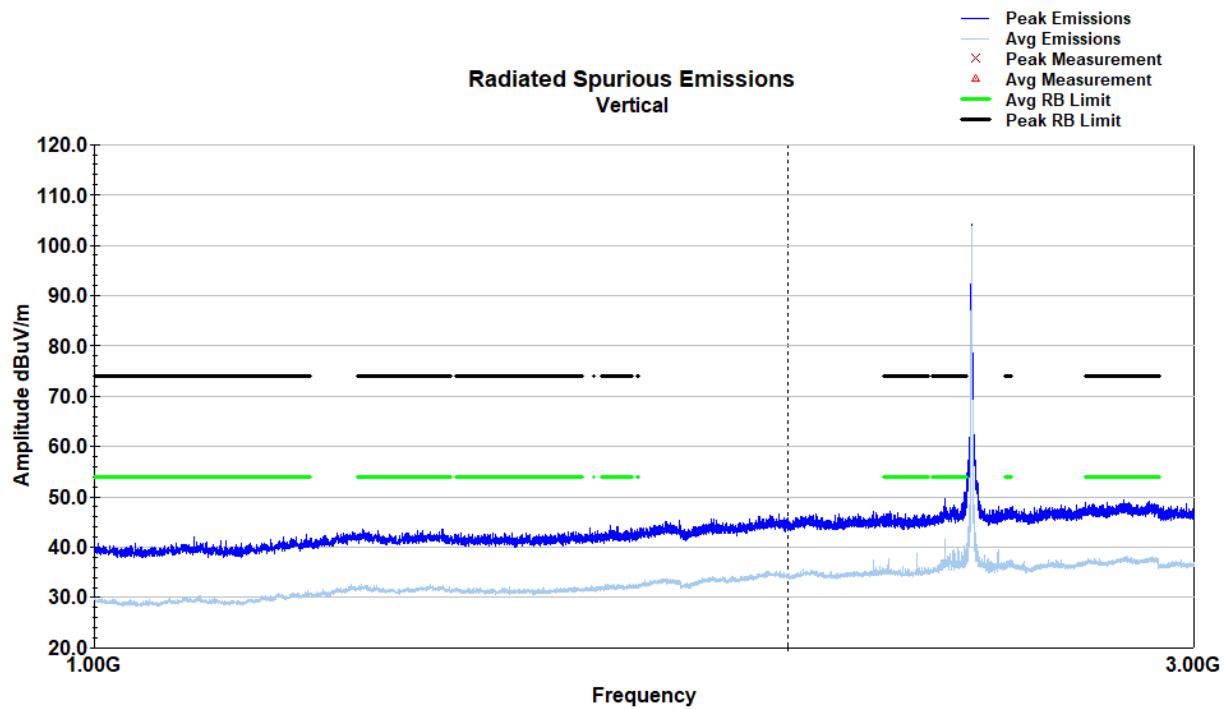
Frequency MHz	Raw QP (dBuV)	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	Amp (dB)	QP Value (dBuV/m)	Limit (dBuV/m)	Margin (dB)
37.63	29.6	H	92.0	100.0	20.3	0.9	30.7	20.2	40.0	-19.8
128.44	27.8	H	292.0	382.0	17.9	1.8	30.5	16.9	43.5	-26.6
334.93	26.8	H	80.0	399.0	18.8	3.0	30.2	18.6	46.0	-27.4
404.74	26.7	H	334.0	246.0	20.4	3.3	29.9	20.6	46.0	-25.4
613.32	25.8	H	52.0	382.0	23.8	4.0	29.8	24.0	46.0	-22.0
988.96	24.8	H	0.0	341.0	27.8	4.9	28.7	28.8	54.0	-25.2

QP Value = Raw QP + AF + Loss - Amp

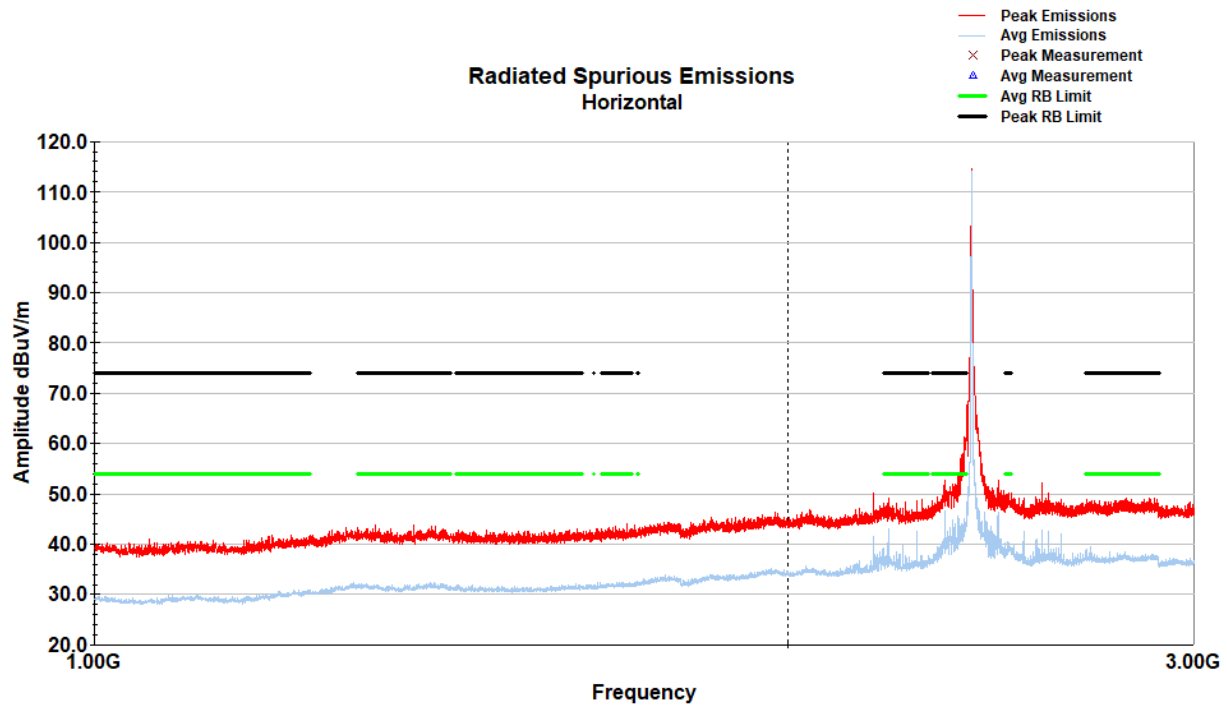
Margin = QP Value - Limit

7.5.3 1-18GHz

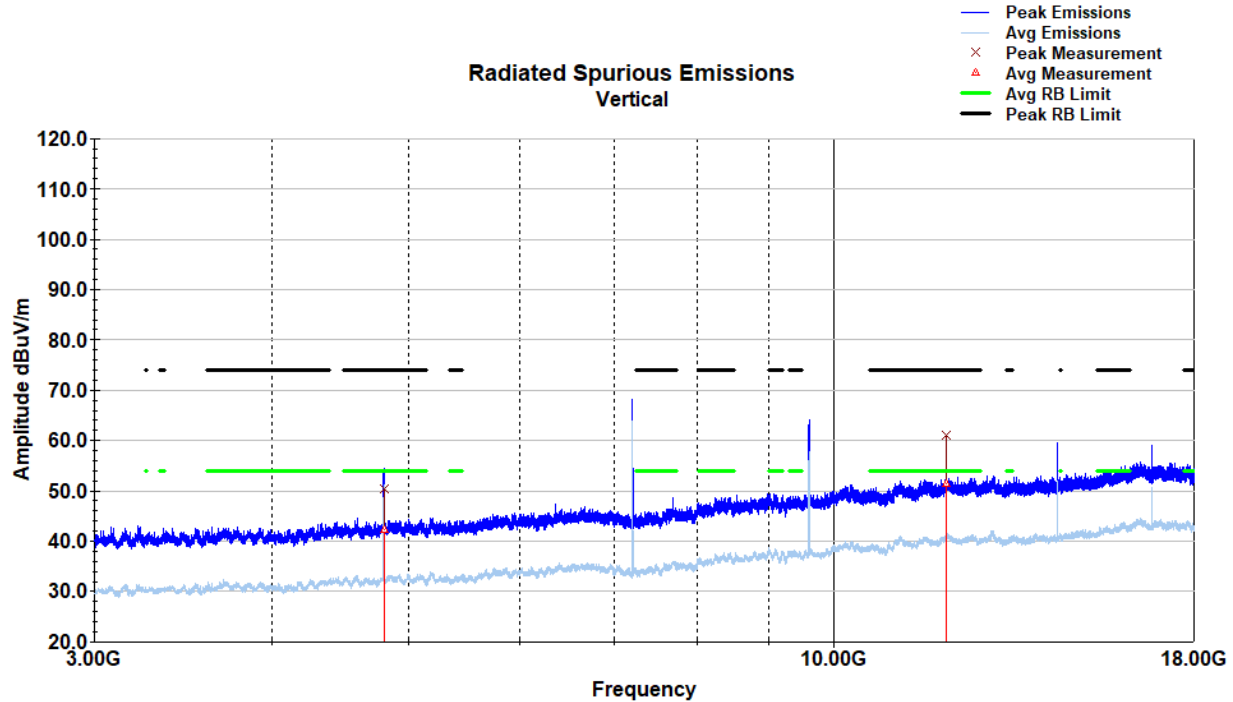
Vertical Peak Plot – 1-3GHz – Low Channel



Horizontal Peak Plot – 1-3GHz – Low Channel



Vertical Peak Plot – 3-18GHz – Low Channel



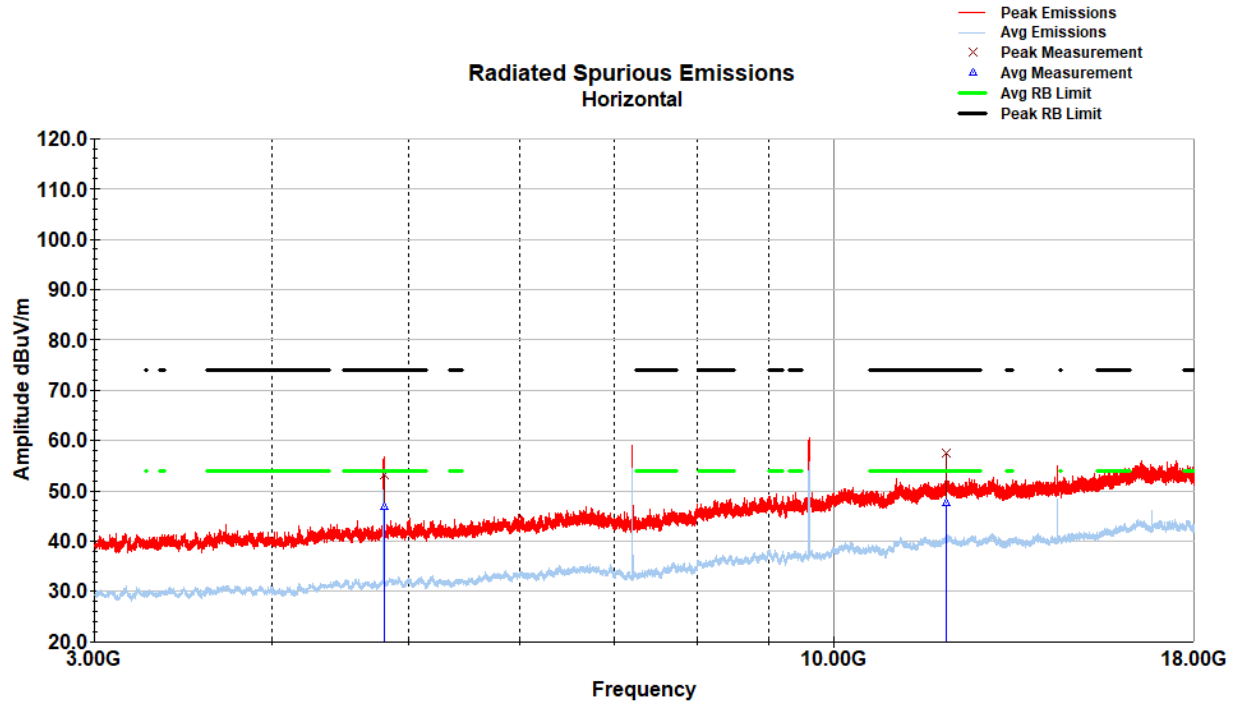
Tabular Data Vertical
Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
4803.42	47.8	V	309.0	100.0	34.0	2.8	NAN	34.1	50.5	74.0	-23.5
12011.18	53.6	V	132.0	105.0	39.1	4.1	NAN	35.9	61.0	74.0	-13.0
Final Pk = Raw Pk + AF + Loss - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
4803.42	39.7	V	309.0	100.0	34.0	2.8	NAN	34.1	42.4	54.0	-11.6
12011.18	44.1	V	132.0	105.0	39.1	4.1	NAN	35.9	51.5	54.0	-2.5
Final Avg = Raw Avg + AF + Loss - Amp											
Margin = Final Avg - Limit											

Horizontal Peak Plot – 3-18GHz – Low Channel



Horizontal Tabular Data – 1-3GHz – Low Channel

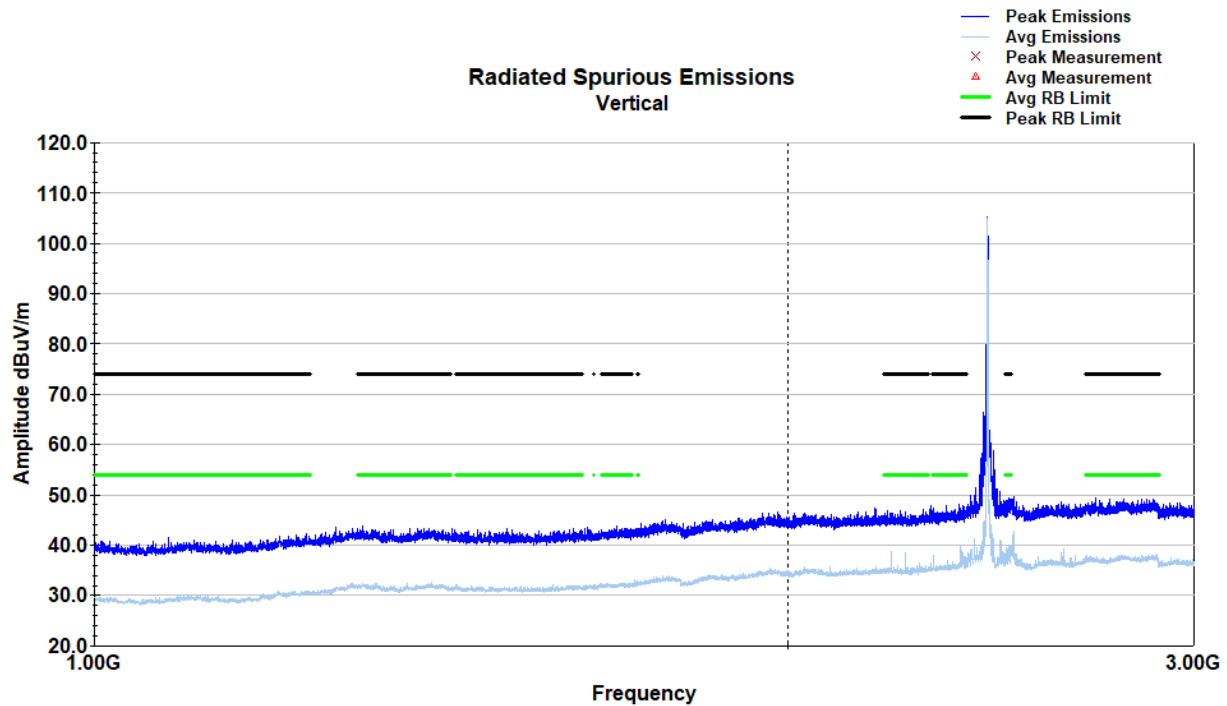
Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
4803.54	50.4	H	28.0	100.0	34.0	2.8	NAN	34.1	53.1	74.0	-20.9
12008.80	50.1	H	315.0	100.0	39.1	4.1	NAN	35.9	57.4	74.0	-16.6
Final Pk = Raw Pk + AF + Loss - Amp											
Margin = Final Pk - Limit											

Average

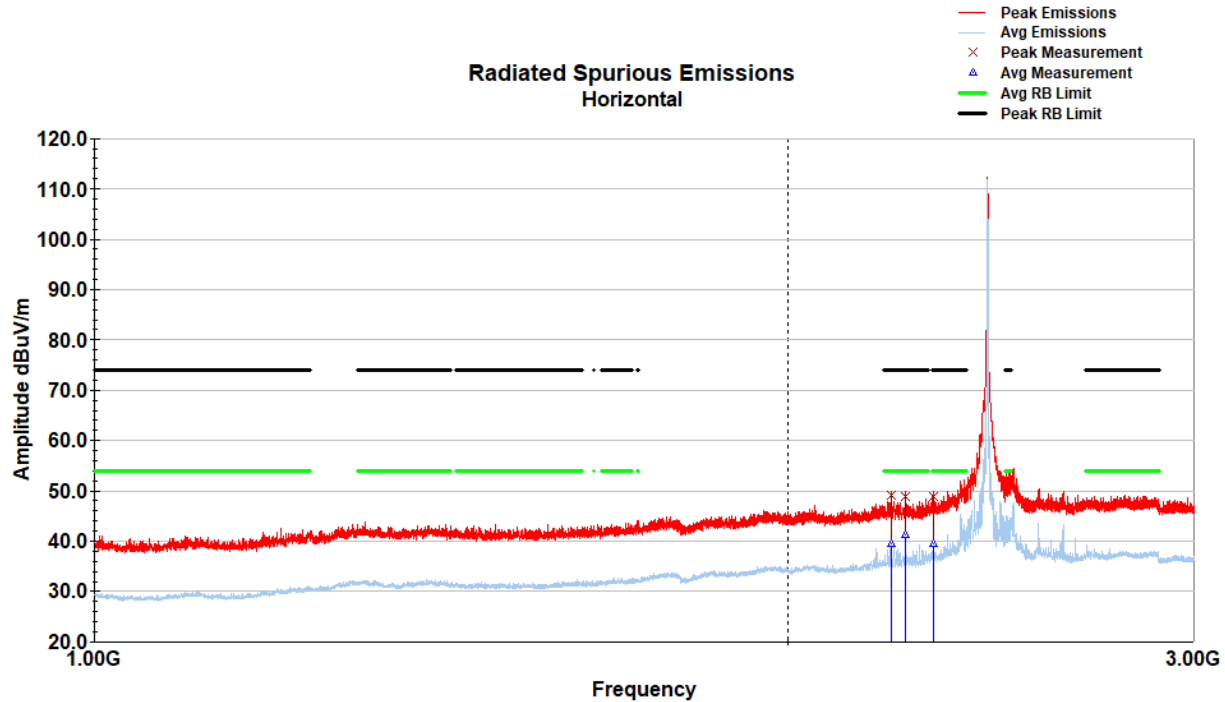
Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
4803.54	44.1	H	28.0	100.0	34.0	2.8	NAN	34.1	46.8	54.0	-7.1
12008.80	40.2	H	315.0	100.0	39.1	4.1	NAN	35.9	47.6	54.0	-6.4
Final Avg = Raw Avg + AF + Loss - Amp											
Margin = Final Avg - Limit											

Vertical Peak Plot – 1-3GHz – Middle Channel



Note: No emissions observed within 6dB of the limit.

Horizontal Peak Plot – 1-3GHz – Middle Channel



Horizontal Tabular Data – 1-3GHz – Middle Channel

Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
2215.52	50.4	H	214.0	250.0	31.3	1.8	NAN	34.5	49.0	74.0	-25.0
2248.12	50.4	H	205.0	148.0	31.2	1.8	NAN	34.5	48.9	74.0	-25.1
2311.80	50.1	H	214.0	146.0	31.2	1.9	NAN	34.4	48.7	74.0	-25.3
Final Pk = Raw Pk + AF + Loss - Amp											

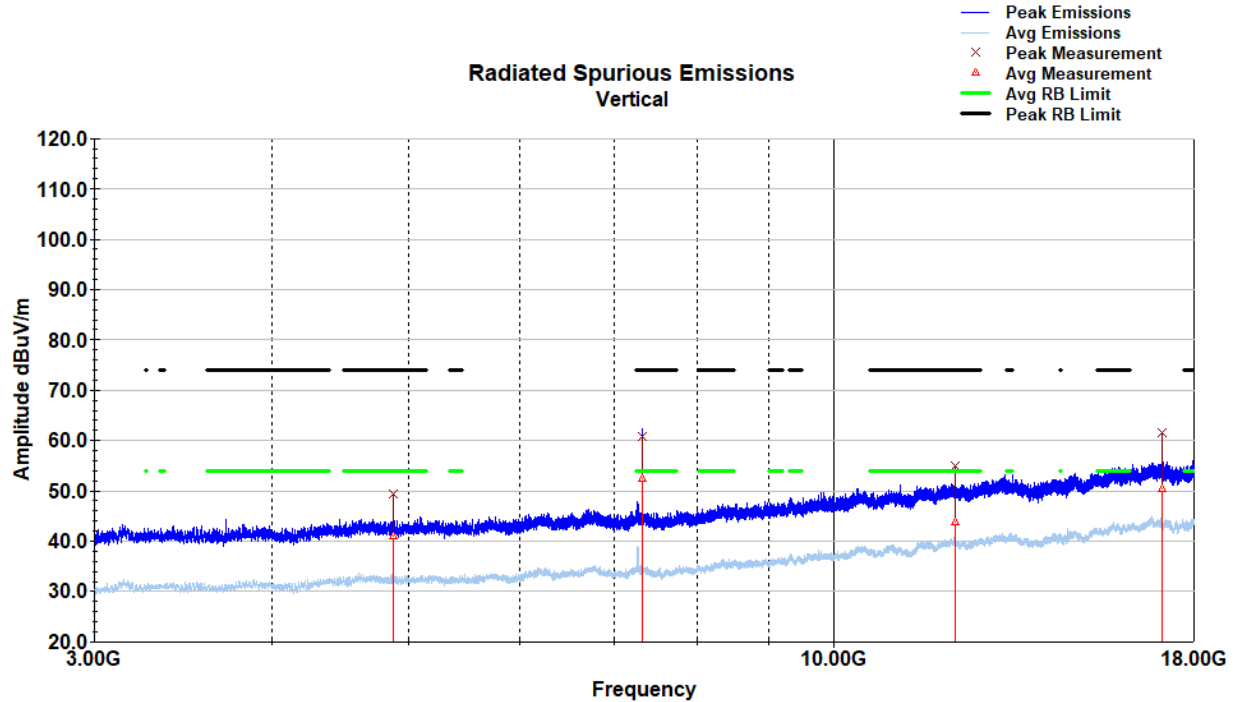
Margin = Final Pk - Limit

Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
2215.52	40.8	H	214.0	250.0	31.3	1.8	NAN	34.5	39.5	54.0	-14.5
2248.12	42.8	H	205.0	148.0	31.2	1.8	NAN	34.5	41.3	54.0	-12.7
2311.80	40.8	H	214.0	146.0	31.2	1.9	NAN	34.4	39.5	54.0	-14.5
Final Avg = Raw Avg + AF + Loss - Amp											

Margin = Final Avg - Limit

Vertical Peak Plot – 3-18GHz – Middle Channel



Vertical Tabular Data – 3-18GHz – Middle Channel Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
4880.38	54.3	V	117.0	102.0	34.4	2.9	NAN	42.3	49.3	74.0	-24.7
7320.74	63.9	V	93.0	105.0	35.7	3.1	NAN	42.0	60.7	74.0	-13.3
12201.04	53.2	V	199.0	227.0	39.1	4.4	NAN	41.8	54.9	74.0	-19.1
17081.40	55.6	V	239.0	100.0	41.4	5.2	NAN	40.5	61.6	74.0	-12.4

Final Pk = Raw Pk + AF + Loss - Amp

Margin = Final Pk - Limit

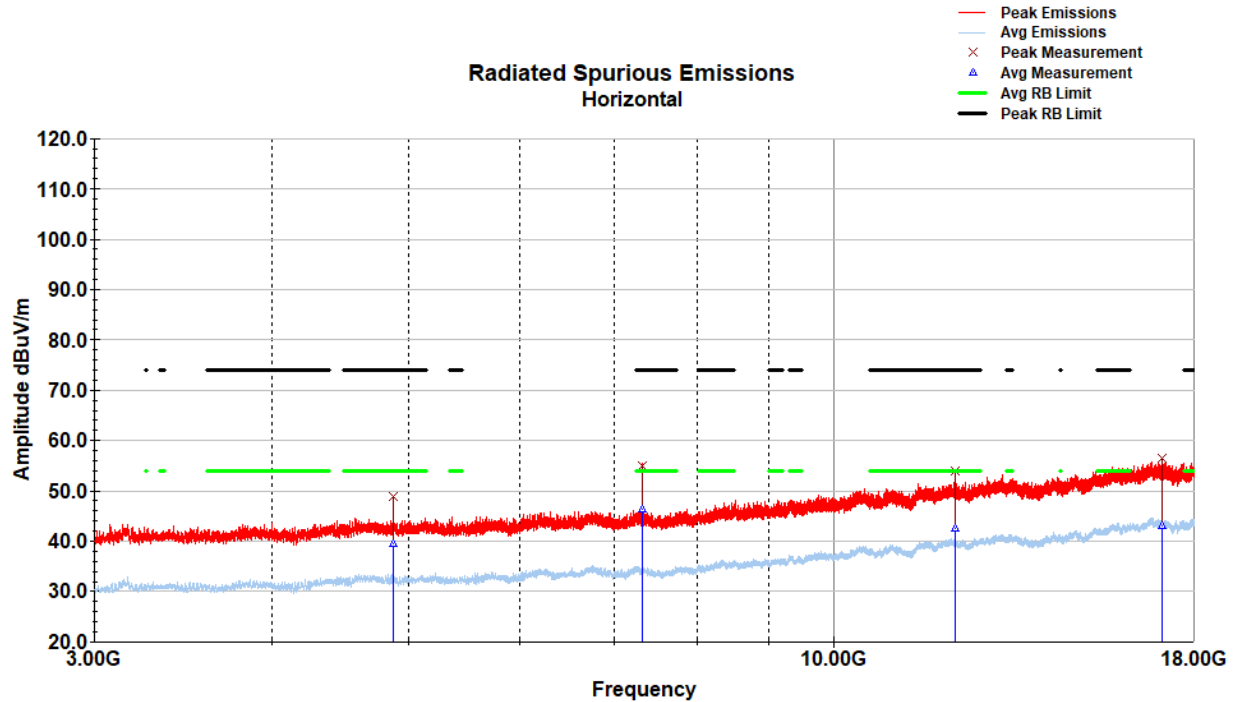
Average

Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
4880.38	45.9	V	117.0	102.0	34.4	2.9	NAN	42.3	41.0	54.0	-13.0
7320.74	55.6	V	93.0	105.0	35.7	3.1	NAN	42.0	52.4	54.0	-1.6
12201.04	42.2	V	199.0	227.0	39.1	4.4	NAN	41.8	43.9	54.0	-10.1
17081.40	44.2	V	239.0	100.0	41.4	5.2	NAN	40.5	50.3	54.0	-3.7

Final Avg = Raw Avg + AF + Loss - Amp

Margin = Final Avg - Limit

Horizontal Peak Plot – 3-18GHz – Middle Channel


Vertical Tabular Data – 3-18GHz – Middle Channel
Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
4880.50	53.8	H	305.0	125.0	34.4	2.9	NAN	42.3	48.8	74.0	-25.2
7319.30	58.1	H	10.0	100.0	35.7	3.1	NAN	42.0	54.9	74.0	-19.1
12201.18	52.2	H	358.0	104.0	39.1	4.4	NAN	41.8	53.9	74.0	-20.1
17078.16	50.3	H	150.0	158.0	41.4	5.2	NAN	40.5	56.5	74.0	-17.5

Final Pk = Raw Pk + AF + Loss - Amp

Margin = Final Pk - Limit

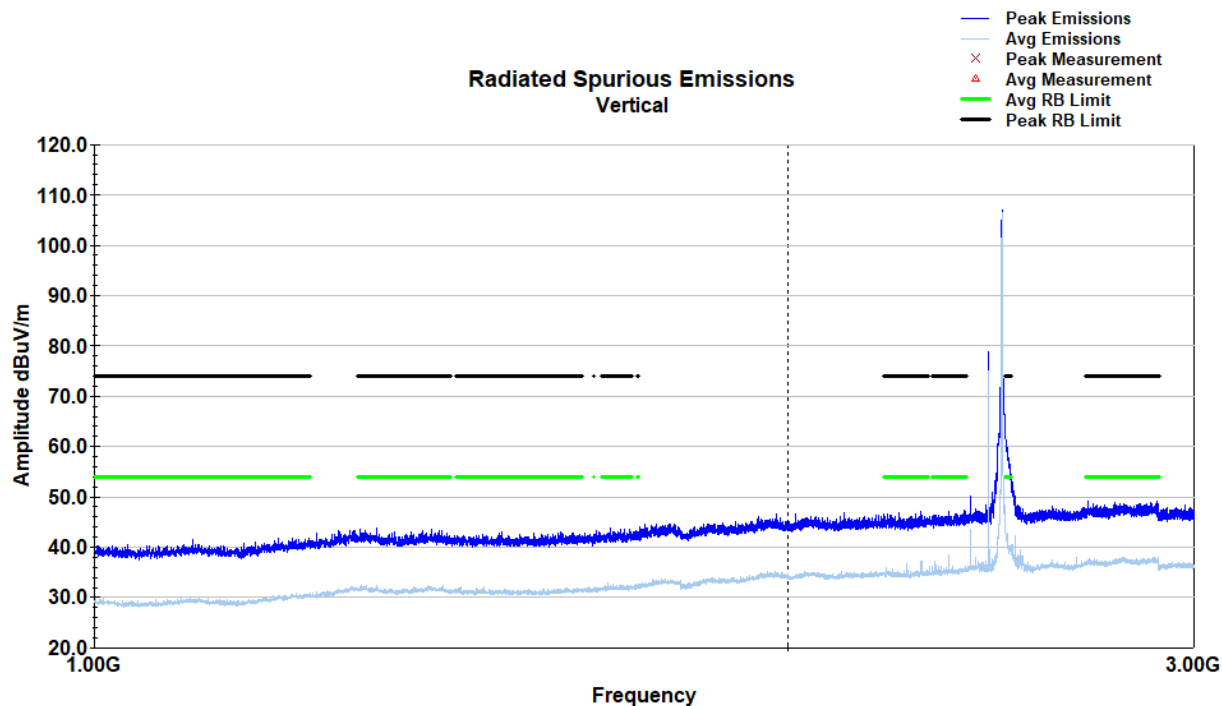
Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
4880.50	44.5	H	305.0	125.0	34.4	2.9	NAN	42.3	39.5	54.0	-14.4
7319.30	49.4	H	10.0	100.0	35.7	3.1	NAN	42.0	46.2	54.0	-7.8
12201.18	40.7	H	358.0	104.0	39.1	4.4	NAN	41.8	42.4	54.0	-11.5
17078.16	36.8	H	150.0	158.0	41.4	5.2	NAN	40.5	42.9	54.0	-11.1

Final Avg = Raw Avg + AF + Loss - Amp

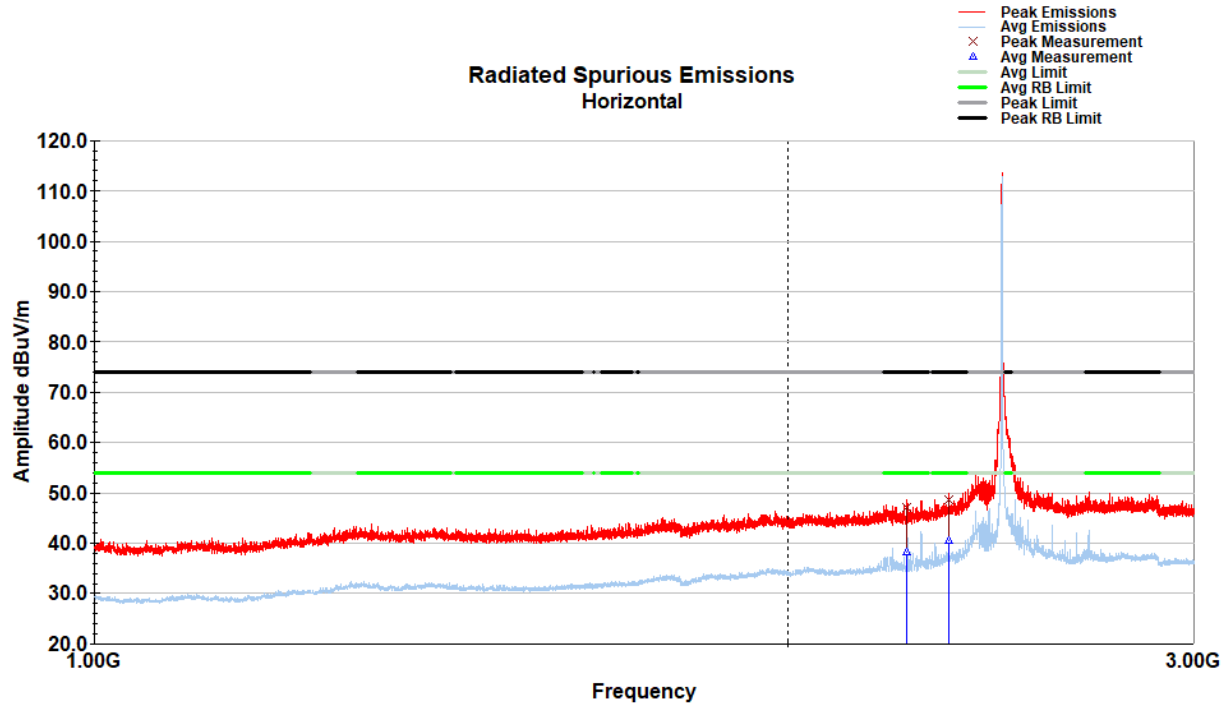
Margin = Final Avg - Limit

Vertical Peak Plot – 1-3GHz – High Channel



Note: No emissions observed within 6dB of the limit.

Horizontal Peak Plot – 1-3GHz – High Channel

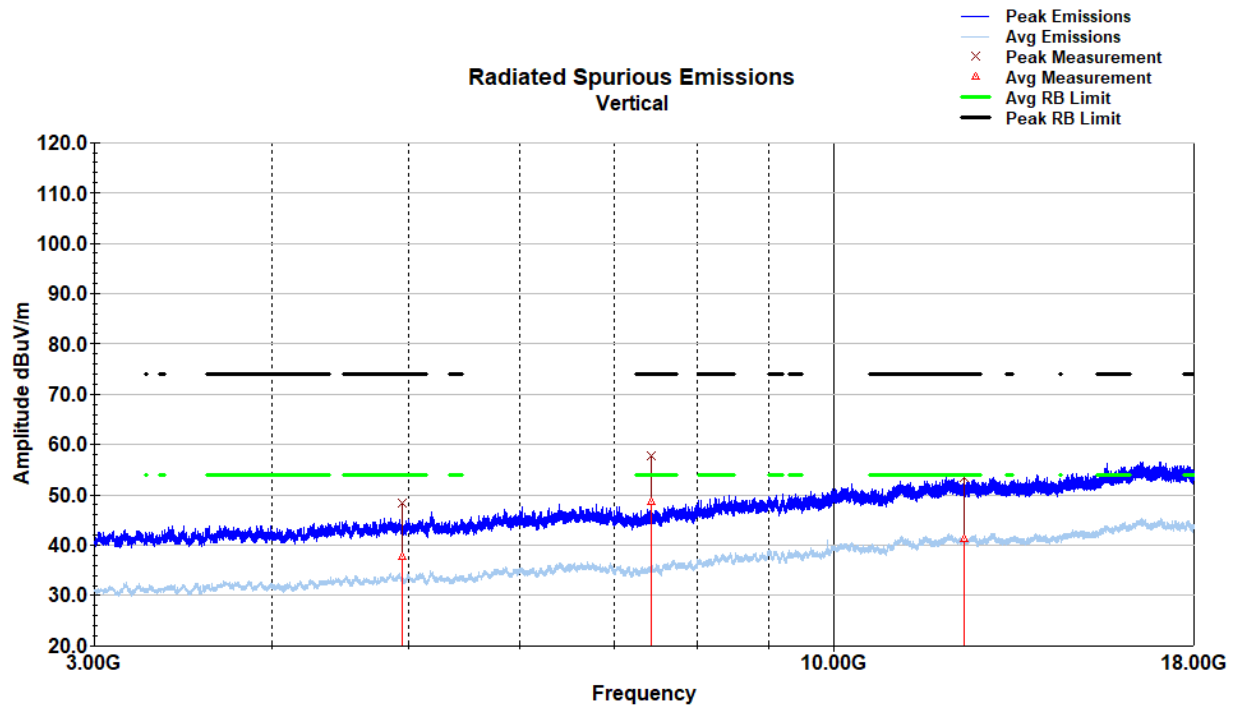

Horizontal Tabular Data – 1-3GHz – High Channel
Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
2252.28	48.7	H	190.0	178.0	31.1	1.8	NAN	34.5	47.2	74.0	-26.8
2348.04	49.8	H	177.0	196.0	31.5	1.9	NAN	34.6	48.5	74.0	-25.5
Final Pk = Raw Pk + AF + Loss - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
2252.28	39.6	H	190.0	178.0	31.1	1.8	NAN	34.5	38.1	54.0	-15.9
2348.04	41.7	H	177.0	196.0	31.5	1.9	NAN	34.6	40.4	54.0	-13.5
Final Avg = Raw Avg + AF + Loss - Amp											
Margin = Final Avg - Limit											

Vertical Peak Plot – 3-18GHz – High Channel



Vertical Tabular Data – 3-18GHz – High Channel Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
4952.60	45.8	V	130.0	103.0	34.0	2.9	NAN	34.4	48.4	74.0	-25.6
7427.12	53.3	V	96.0	100.0	35.7	3.6	NAN	34.8	57.8	74.0	-16.2
12378.28	45.7	V	147.0	131.0	39.2	4.3	NAN	35.7	53.4	74.0	-20.6
Final Pk = Raw Pk + AF + Loss - Amp											

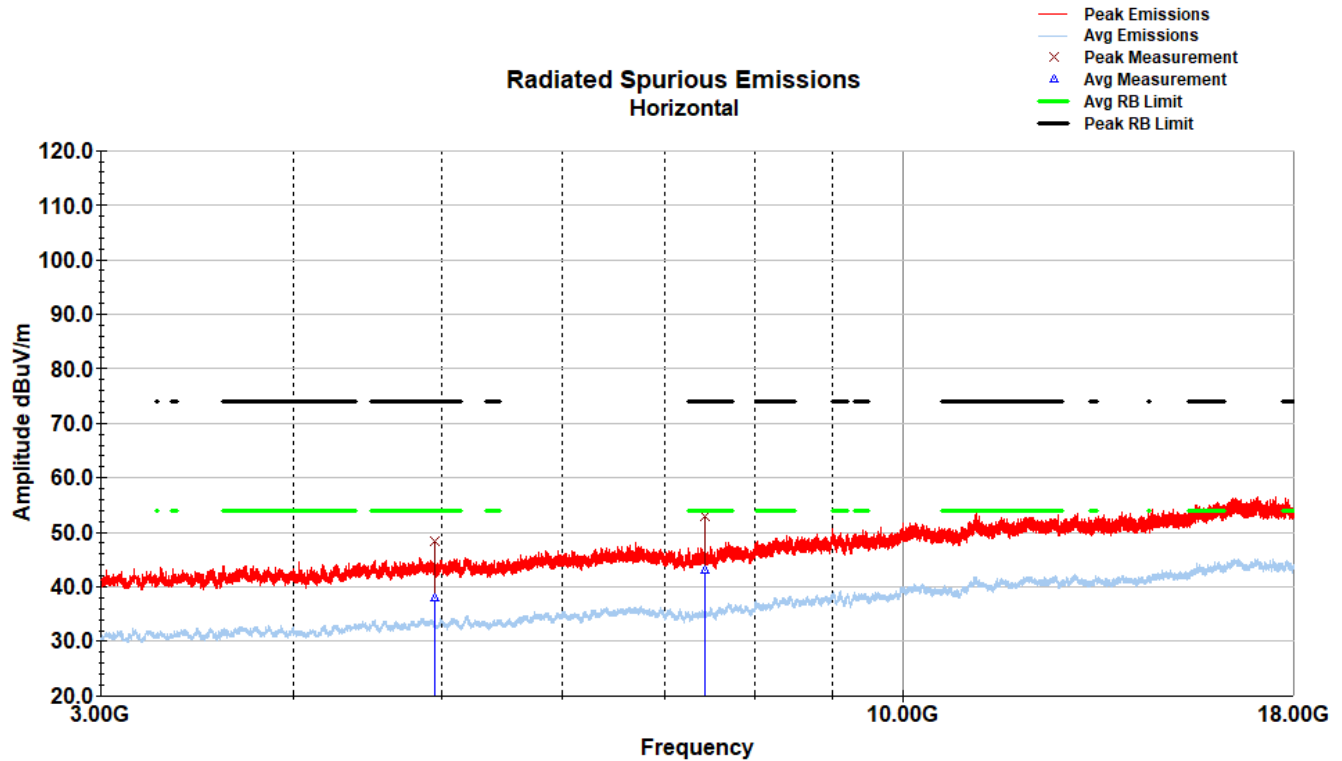
Margin = Final Pk - Limit

Average

Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
4952.60	35.1	V	130.0	103.0	34.0	2.9	NAN	34.4	37.6	54.0	-16.3
7427.12	44.2	V	96.0	100.0	35.7	3.6	NAN	34.8	48.7	54.0	-5.3
12378.28	33.5	V	147.0	131.0	39.2	4.3	NAN	35.7	41.2	54.0	-12.8
Final Avg = Raw Avg + AF + Loss - Amp											

Margin = Final Avg - Limit

Horizontal Peak Plot – 3-18GHz – High Channel


Vertical Tabular Data – 3-18GHz – High Channel
Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
4952.62	45.9	H	250.0	104.0	34.0	2.9	NAN	34.4	48.4	74.0	-25.6
7428.60	48.3	H	23.0	100.0	35.7	3.6	NAN	34.8	52.8	74.0	-21.2
Final Pk = Raw Pk + AF + Loss - Amp											
Margin = Final Pk - Limit											

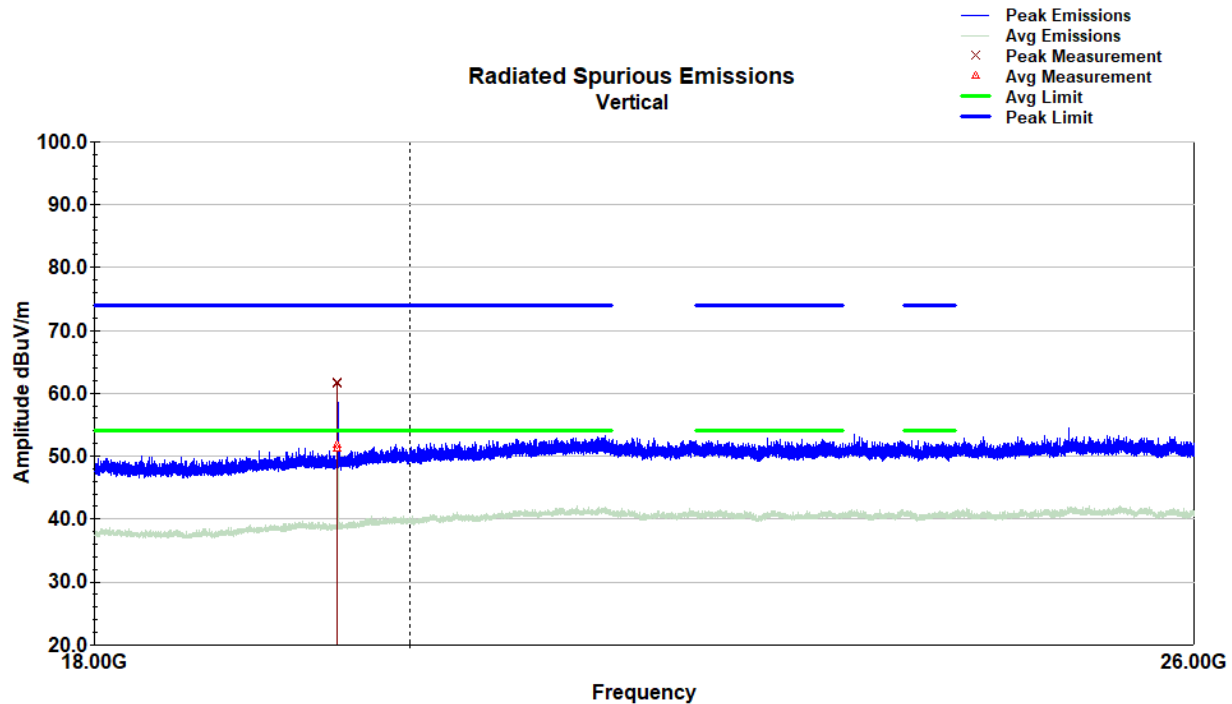
Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
4952.62	35.4	H	250.0	104.0	34.0	2.9	NAN	34.4	37.9	54.0	-16.0
7428.60	38.5	H	23.0	100.0	35.7	3.6	NAN	34.8	43.0	54.0	-11.0
Final Avg = Raw Avg + AF + Loss - Amp											
Margin = Final Avg - Limit											

This frequency range does not show any significant difference between different chains, channels and/or orientation. Worst case plots shown.

7.5.4 18-26 GHz – Middle Channel

Vertical Peak Plot



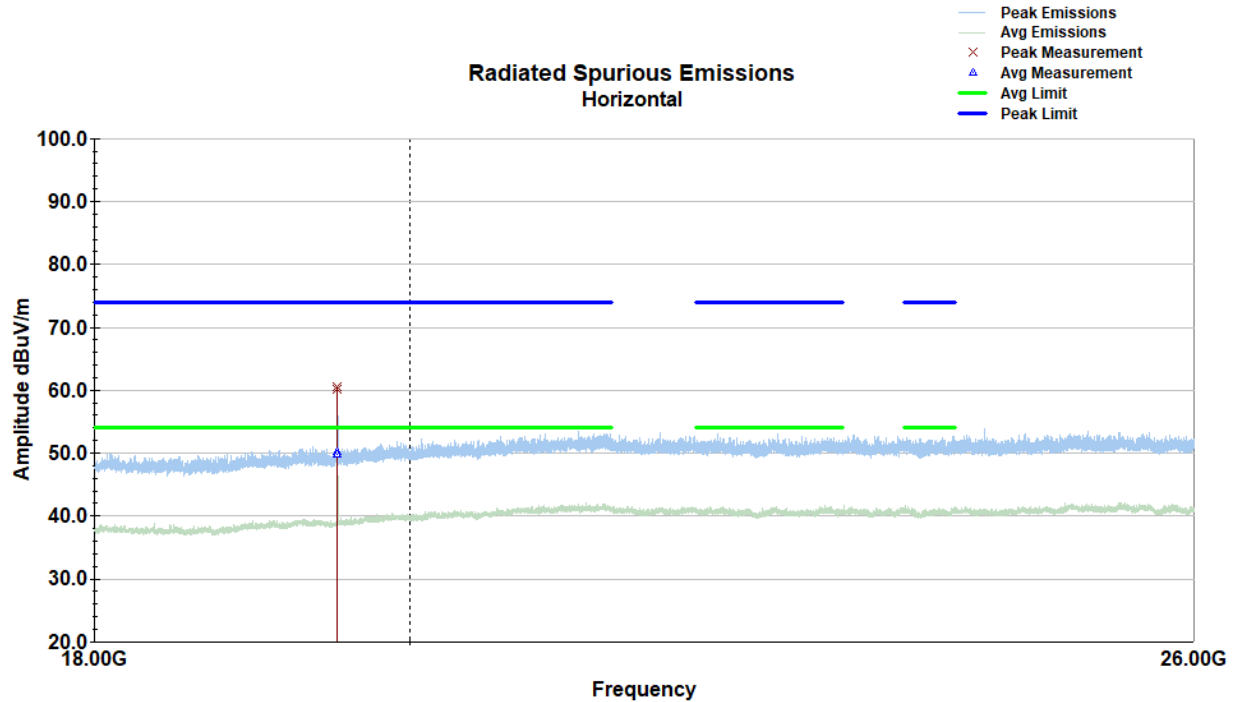
Vertical Tabular Data Peak

Frequency MHz	Raw Pk dBuV	Polarity V/H	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF (dB)	Amp (dB)	Final Pk (dBuV/m)	Limit dBuV/m	Margin (dB)
19518.15	66.0	V	324.0	142.0	45.8	8.6	-9.5	49.4	61.5	74.0	-12.5
19522.12	66.3	V	325.0	142.0	45.8	8.6	-9.5	49.4	61.8	74.0	-12.2
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity V/H	Azimuth degrees	Height cm	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
19518.15	56.4	V	324.0	142.0	45.8	8.6	-9.5	49.4	51.9	54.0	-2.1
19522.12	55.6	V	325.0	142.0	45.8	8.6	-9.5	49.4	51.1	54.0	-2.9
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

Horizontal Peak Plot



Tabular Data Horizontal Peak

Frequency MHz	Raw Pk dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Final Pk dBuV/m	Limit dBuV/m	Margin dB
19517.90	65.0	H	157.0	142.0	45.8	8.6	-9.5	49.4	60.4	74.0	-13.6
19522.00	64.7	H	156.0	145.0	45.8	8.6	-9.5	49.4	60.2	74.0	-13.8
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Raw Avg dBuV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	DCF dB	Amp (dB)	Avg Value dBuV/m	Limit (dBuV/m)	Margin (dB)
19517.90	54.7	H	157.0	142.0	45.8	8.6	-9.5	49.4	50.2	54.0	-3.8
19522.00	54.2	H	156.0	145.0	45.8	8.6	-9.5	49.4	49.7	54.0	-4.2
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

8 Emissions in Restricted Frequency Bands

8.1 Test Result

Test Description	Test Specification		Test Result
Restricted Band Emissions	15.205 / 15.209	RSS-GEN S8.9 / 8.10	Compliant

8.2 Test Method

Field strength measurements were performed at the restricted band edges of 2390MHz and 2483.5MHz for each modulation. Measurements were made using the conducted methods defined in ANSI C63.10, Section 11.12.2.

8.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24 °C

Relative Humidity: 48.9 %

Atmospheric Pressure: 98.73 kPa

8.4 Test Equipment

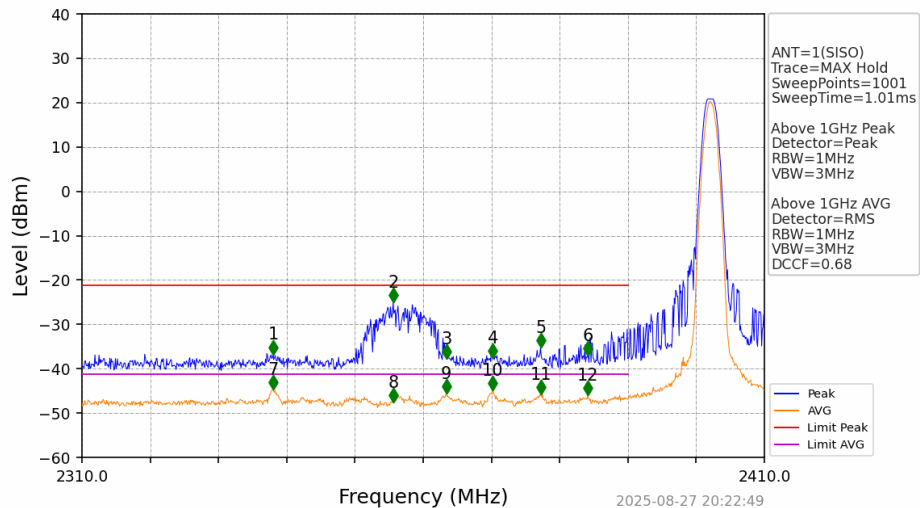
Test End Date: 27-Aug-2025

Tester: SGM

Equipment	Manufacturer	Model	Asset Number	Cal Date	Cal Due Date
RF CABLE SMA TO SMA, 0.01-40GHZ	TELEDYNE STORM MICROWAVE	084-0505-059	20109	3-Apr-2025	3-Apr-2026
TSTPASS SWITCHBOX	TSTPASS	SB2	23009	4-Apr-2025	4-Apr-2026
SIGNAL ANALYZER (TS8997)	ROHDE & SCHWARZ	FSV30	B085749	4-Mar-2025	4-Mar-2026

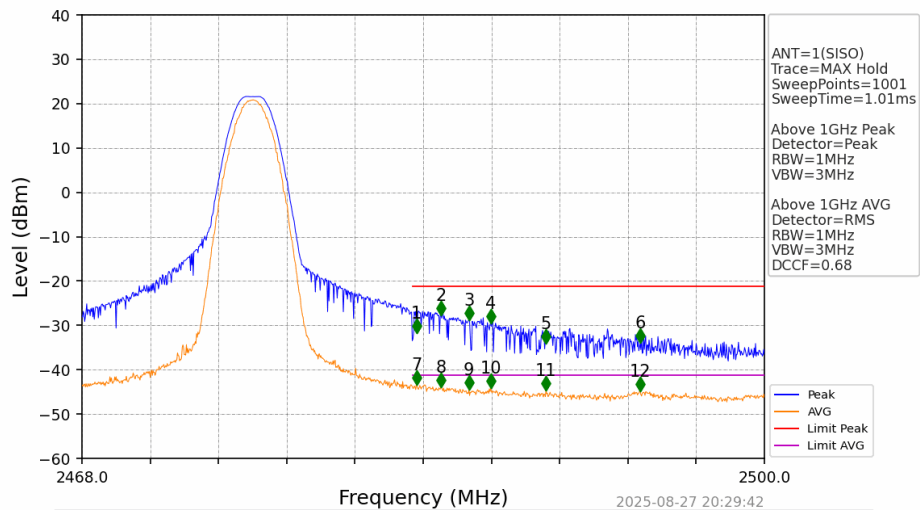
8.5 Test Data

1M_LCH_2402MHz_Ant1_NTNV



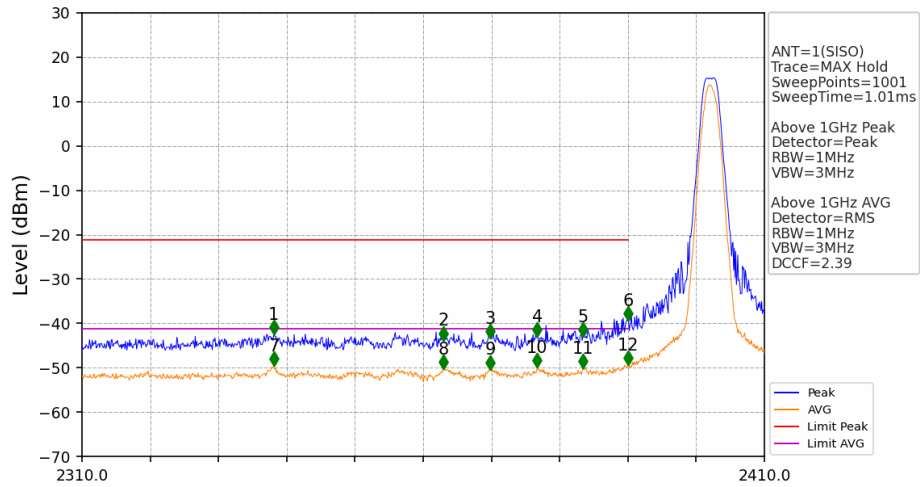
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2338.000	-36.72	-21.20	15.52	Pass	Peak	7	2338.000	-44.61	-41.20	3.41	Pass	AVG
2	2355.600	-25.03	-21.20	3.83	Pass	Peak	8	2355.600	-47.50	-41.20	6.30	Pass	AVG
3	2363.400	-37.81	-21.20	16.61	Pass	Peak	9	2363.400	-45.59	-41.20	4.39	Pass	AVG
4	2370.200	-37.49	-21.20	16.29	Pass	Peak	10	2370.200	-44.84	-41.20	3.64	Pass	AVG
5	2377.200	-35.22	-21.20	14.02	Pass	Peak	11	2377.200	-45.72	-41.20	4.52	Pass	AVG
6	2384.100	-37.07	-21.20	15.87	Pass	Peak	12	2384.100	-45.93	-41.20	4.73	Pass	AVG

1M_HCH_2476MHz_Ant1_NTNV



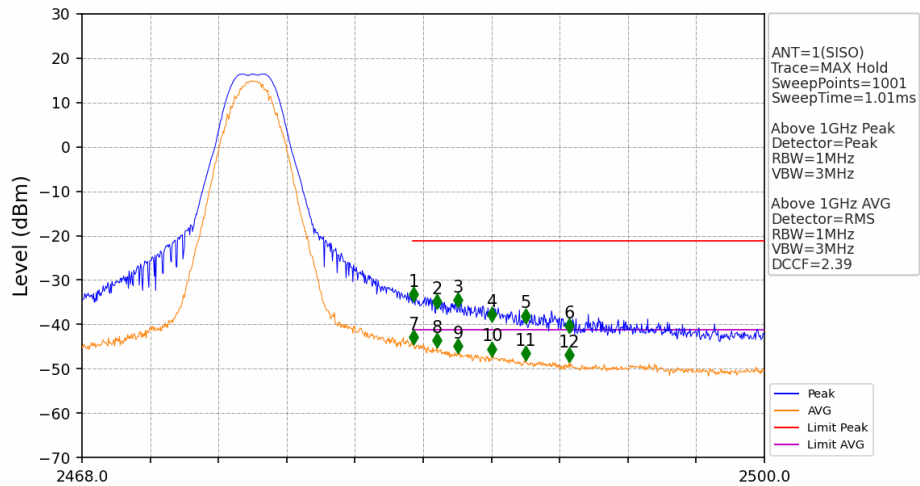
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2483.680	-31.65	-21.20	10.45	Pass	Peak	7	2483.680	-43.30	-41.20	2.10	Pass	AVG
2	2484.832	-27.64	-21.20	6.44	Pass	Peak	8	2484.832	-43.85	-41.20	2.65	Pass	AVG
3	2486.144	-28.78	-21.20	7.58	Pass	Peak	9	2486.144	-44.43	-41.20	3.23	Pass	AVG
4	2487.168	-29.58	-21.20	8.38	Pass	Peak	10	2487.168	-44.10	-41.20	2.90	Pass	AVG
5	2489.760	-33.99	-21.20	12.79	Pass	Peak	11	2489.760	-44.62	-41.20	3.42	Pass	AVG
6	2494.176	-33.97	-21.20	12.77	Pass	Peak	12	2494.176	-44.86	-41.20	3.66	Pass	AVG

2M_LCH_2402MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2338.100	-42.50	-21.20	21.30	Pass	Peak	7	2338.100	-49.63	-41.20	8.43	Pass	AVG
2	2363.000	-43.81	-21.20	22.61	Pass	Peak	8	2363.000	-50.20	-41.20	9.00	Pass	AVG
3	2369.800	-43.39	-21.20	22.19	Pass	Peak	9	2369.800	-50.36	-41.20	9.16	Pass	AVG
4	2376.700	-43.02	-21.20	21.82	Pass	Peak	10	2376.700	-49.95	-41.20	8.75	Pass	AVG
5	2383.400	-42.94	-21.20	21.74	Pass	Peak	11	2383.400	-50.16	-41.20	8.96	Pass	AVG
6	2390.000	-39.43	-21.20	18.23	Pass	Peak	12	2390.000	-49.44	-41.20	8.24	Pass	AVG

2M_HCH_2476MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2483.552	-34.87	-21.20	13.67	Pass	Peak	7	2483.552	-44.42	-41.20	3.22	Pass	AVG
2	2484.640	-36.37	-21.20	15.17	Pass	Peak	8	2484.640	-45.21	-41.20	4.01	Pass	AVG
3	2485.632	-36.12	-21.20	14.92	Pass	Peak	9	2485.632	-46.40	-41.20	5.20	Pass	AVG
4	2487.232	-39.42	-21.20	18.22	Pass	Peak	10	2487.232	-47.08	-41.20	5.88	Pass	AVG
5	2488.800	-39.62	-21.20	18.42	Pass	Peak	11	2488.800	-48.17	-41.20	6.97	Pass	AVG
6	2490.848	-41.89	-21.20	20.69	Pass	Peak	12	2490.848	-48.44	-41.20	7.24	Pass	AVG

9 Antenna Requirement

9.1 Result

Test Description	Test Specification		Test Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.203	RSS-GEN S8.3	Compliant

9.2 Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

9.3 Conclusion

The Device utilizes an internal PCB antenna that is not accessible and cannot be disconnected. This meets the requirements of the standard.

10 AC Powerline Conducted Emissions

10.1 Test Result

Test Description	Test Specification		Test Result
AC Powerline Conducted Emissions	15.207	RSS-GEN S8.8	Compliant

10.2 Test Method

With the receiver's resolution bandwidth was set to 9 kHz, exploratory scans were performed over the measuring frequency range (0.15 MHz to 30 MHz) using a max hold mode incorporating a Peak detector and Average detector and using the TILE! software. The final test data was measured using a Quasi-Peak detector and Average detector and compared against the limits indicated in the table below.

Frequency Range	Limits (dBuV)
0.15 to 0.5 MHz	Avg 56 to 46 QP 66 to 56
0.5 to 5 MHz	Avg 46 Pk 56
5 to 30 MHz	Avg 50 Pk 60

10.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions:

Temperature: 23.97°C

Relative Humidity: 34.6%

Atmospheric Pressure 98.3kPa

10.4 Test Equipment

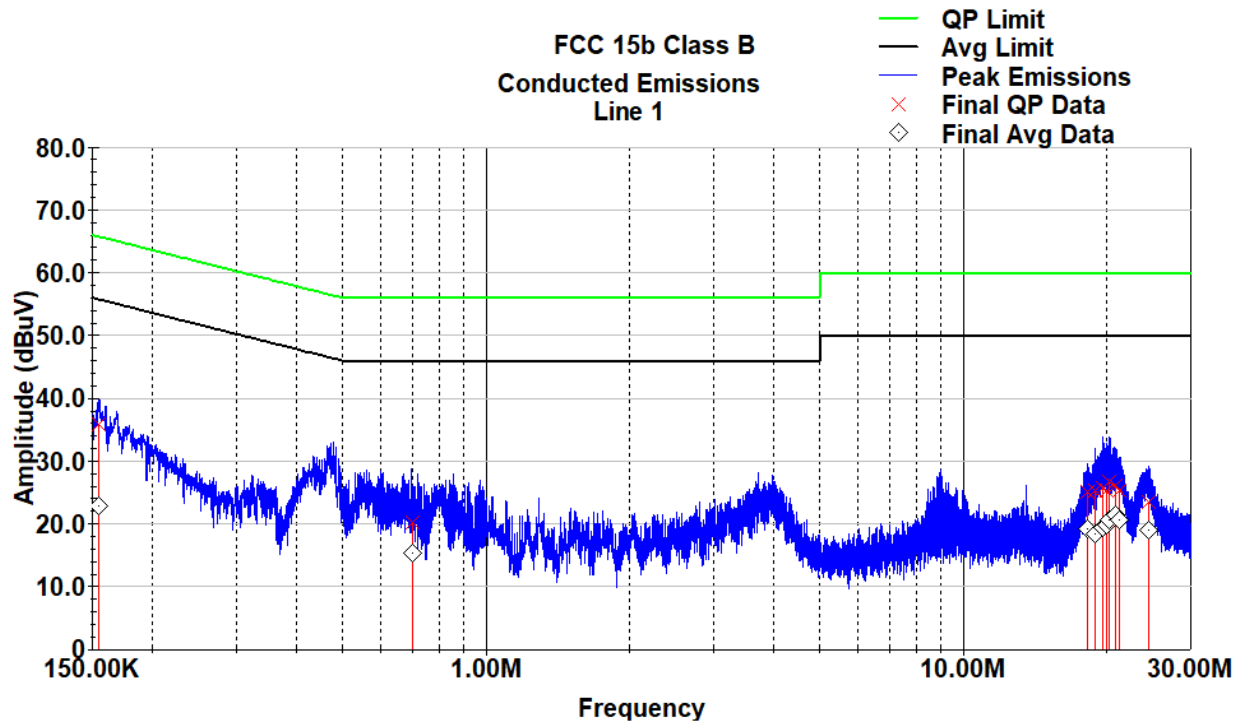
Test End Date: 14-Apr-2025

Tester: PL

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
LINE IMPEDANCE STABILIZATION NETWORK	NNB 51	TESEQ	B087573	4-Feb-2025	4-Feb-2026
RF CABLE	UC-N-MM-78	MAURY MICROWAVE	17017	7-Aug-2024	7-Aug-2025
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22027	14-Nov-2024	14-Nov-2025

10.5 Test Data

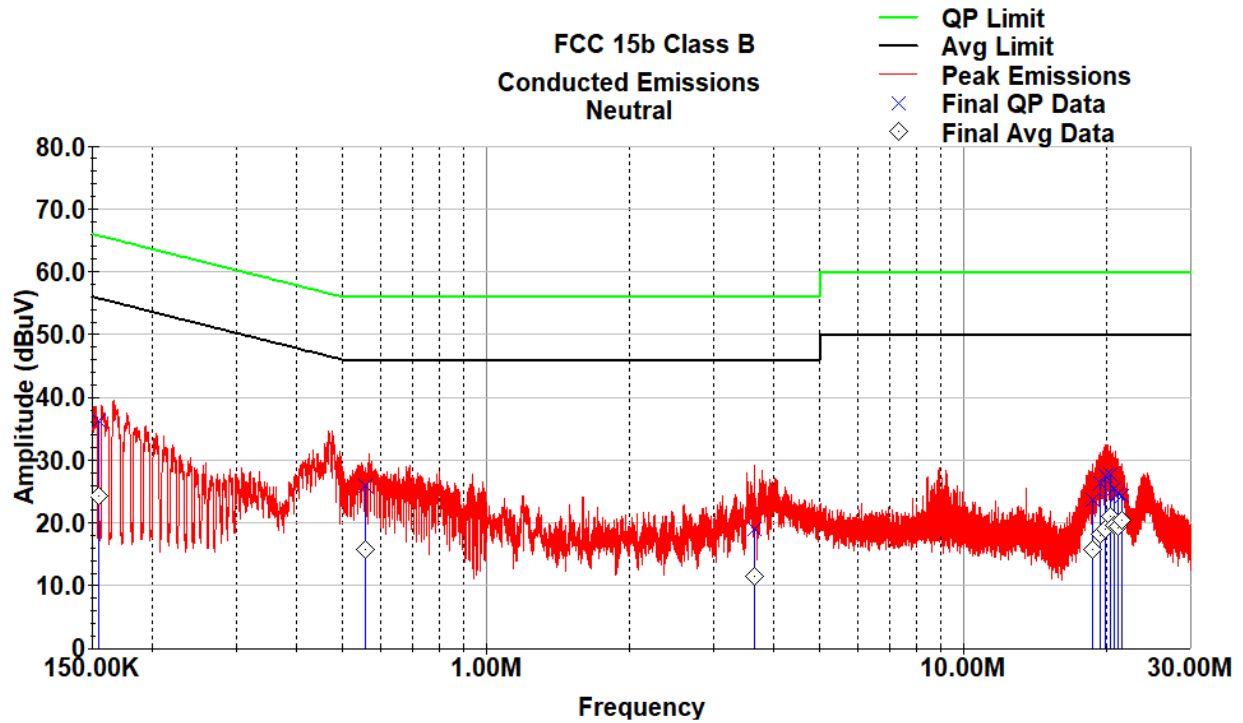
Conducted Emissions Line 1 Plot



Conducted Emissions Line 1 Tabular Data

Frequency MHz	LISN dB	CF dB	TL dB	Raw Avg dBUV	Final Avg dBUV	Avg Limit dBUV	Avg Margin dB	Raw QP dBUV	Final QP dBUV	QP Limit dBUV	QP Margin dB
0.154	9.8	0.00	0.0	13.0	22.8	55.7	-32.9	26.1	36.0	65.7	-29.8
0.701	9.8	0.00	0.0	5.6	15.4	46	-30.6	10.4	20.2	56.0	-35.8
18.244	9.9	0.10	0.0	9.2	19.2	50	-30.8	15.1	25.2	60.0	-34.8
18.918	9.9	0.10	0.0	8.4	18.4	50	-31.6	15.3	25.3	60.0	-34.7
19.558	9.9	0.10	0.0	9.4	19.4	50.0	-30.6	15.7	25.8	60.0	-34.2
19.997	9.9	0.10	0.0	9.9	19.9	50.0	-30.1	15.4	25.4	60.0	-34.6
20.261	9.9	0.10	0.0	10.7	20.7	50.0	-29.3	16.7	26.7	60.0	-33.3
20.804	9.9	0.10	0.0	11.4	21.5	50.0	-28.5	16.2	26.2	60.0	-33.8
21.201	9.9	0.10	0.0	10.6	20.6	50.0	-29.4	15.3	25.3	60.0	-34.7
24.408	10.0	0.10	0.0	9.0	19.1	50.0	-30.9	13.4	23.5	60.0	-36.5
Final QP = Raw QP + LISN + CF + TL											
QP Margin = Final QP - QP Limit											
Final Avg = Raw Avg + LISN + CF + TL											
Avg Margin = Final Avg - Avg Limit											

Conducted Emissions Neutral Plot



Conducted Emissions Neutral Tabular Data

Frequency MHz	LISN dB	CF dB	TL dB	Raw Avg dBUV	Final Avg dBUV	Avg Limit dBUV	Avg Margin dB	Raw QP dBUV	Final QP dBUV	QP Limit dBUV	QP Margin dB
0.154	9.8	0.00	0.0	14.5	24.3	55.7	-31.4	26.5	36.3	65.7	-29.5
0.559	9.8	0.00	0.0	6.0	15.9	46	-30.1	16.2	26	56.0	-30.0
3.653	9.9	0.00	0.0	1.7	11.6	46	-34.4	9.1	19	56.0	-37.0
18.624	9.9	0.10	0.0	5.8	15.8	50	-34.2	13.7	23.7	60.0	-36.3
19.340	9.9	0.10	0.0	8.1	18.1	50.0	-31.9	16.4	26.4	60.0	-33.6
19.900	9.9	0.10	0.0	9.0	19.0	50.0	-31.0	17.6	27.6	60.0	-32.4
20.320	9.9	0.10	0.0	11.0	21.0	50.0	-29.0	17.7	27.6	60.0	-32.4
20.766	9.9	0.10	0.0	9.6	19.6	50.0	-30.4	15.5	25.5	60.0	-34.5
21.148	9.9	0.10	0.0	9.4	19.3	50.0	-30.7	14.8	24.8	60.0	-35.2
21.486	9.9	0.10	0.0	10.4	20.4	50.0	-29.6	14.4	24.3	60.0	-35.7
Final QP = Raw QP + LISN + CF + TL											
QP Margin = Final QP - QP Limit											
Final Avg = Raw Avg + LISN + CF + TL											
Avg Margin = Final Avg - Avg Limit											

11 Measurement Uncertainty

The measurement uncertainty figures are be calculated in accordance with TR 100 028-1 [2] and correspond to an expansion factor (coverage factor) $k = 2$ (which provide confidence levels of 95,45 % in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)).

Measurement uncertainty is not used to adjust the measurements to determine compliance.

Parameter	Expanded Uncertainty for Normal k factor equal to 2	
	Required	Laboratory Actual
Radio Frequency	$\pm 1 \times 10^{-5}$	$\pm 9.8 \times 10^{-8}$
total RF power, conducted	± 1.5 dB	± 1.2 dB
RF power density, conducted	± 3 dB	± 0.7 dB
spurious emissions, conducted	± 3 dB	± 2.1 dB
all emissions, radiated	± 6 dB	± 4.8 dB
temperature	$\pm 1^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$
humidity	± 5 %	$\pm 3.5\%$
DC and low frequency voltages	± 3 %	$\pm 0.4\%$

12 Revision History

Revision Level	Description of changes	Revision Date
0	Initial Release	05 September 2025