

RF Test Report

Project Number: 5372221 **Proposal Number:** SUW-202509009008
Report Number: SUW5372221EMC03R3 **Revision Level:** 3
Client: Enovate Medical, LLC

Equipment Under EHR Medical Workstation
Product Name: Encore Ecoflex Plus (Phoenix)
Model Number: ENC0-MP1DL
(HVIN): ENC_RFIT
FCC ID: 2AQ9D-A0003628
IC: 24335-A0003628
RF Protocol: Bluetooth LE

Applicable Standards: FCC Part 15 Subpart C, § 15.247; ANSI C63.10: 2020
RSS-247, Issue 4, July 2025
RSS-GEN, Issue 5, Feb. 2021, Amendment 2
ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

Report issued on: 10 June 2026
Report revised on: 07 July 2026
Test Result: Compliant



FOR THE SCOPE OF ACCREDITATION UNDER CERTIFICATE NUMBER: 3212.01

This 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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1 Summary of Test Results

Test Description	Test Specification		Test Result
Bandwidth	15.247(a)(2)	RSS-247 S6.3.1(a) RSS-GEN S6.7	Compliant
Peak Output Power	15.247(b)(3)	RSS-247 S6.3.2	Compliant
Power Spectral Density	15.247(e)	RSS-247 S6.3.1(b)	Compliant
Conducted Spurious Emissions / Band Edge	15.247(d)	RSS-247 S6.6	Compliant
Field Strength of Spurious Radiation	15.247(d), 15.209	RSS-GEN S8.9, S8.10	Compliant
Emissions in Restricted Frequency Bands	15.205, 15.209	RSS-GEN S8.9, S8.10	Compliant
AC Powerline Conducted Emissions	15.107, 15.207	RSS-GEN S8.8	Compliant
Antenna Requirement	15.203	RSS-GEN S6.8	Compliant

1.1 Modifications Required for Compliance

None

1.2 HVIN(s)

The following HVIN was tested and is referenced in this report.:

- ENC_RFIT

2 General Information

2.1 Client Information

Name: Enovate Medical, LLC
Address: 1152 Park Avenue
City, State, Zip, Country: Murfreesboro, TN 37129, USA

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
CAB ID: US0186

2.3 General Information of EUT

Equipment Under Test: Medical Cart
Product Marketing Name (PMN): Encore EcoFlex Plus (Phoenix)
Model Number: ENC0-MP1DL
(HVIN): ENC_RFIT
Firmware Version ID (FVIN): -
Host Serial Number: 3193470

Module Model: A0003628 Bluetooth Low Energy
FCC ID: 2AQ9D-A0003628
IC: 24335-A0003628

Frequency Range: 2402 – 2480 MHz
Data Modes: Bluetooth Low Energy (GFSK)
Antenna Gain*: Linear, Vertical, Dual Band Ant., RFA-25-C2M2-U-M70, (2.0dB)

Rated Voltage: Battery, 100-240 Vac 50/60Hz
Test Voltage: Battery

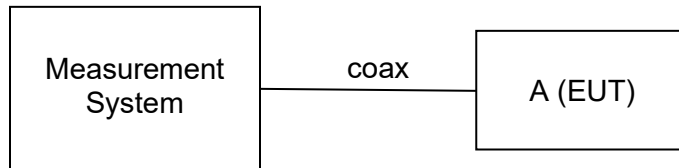
Sample Received Date: 15 April 2026
Dates of testing: 15 April 2026 through 27 April 2026

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

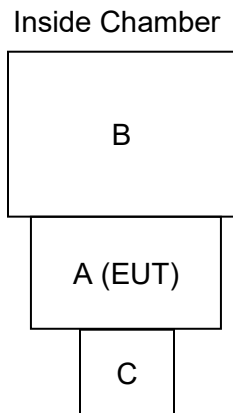
2.4 Operating Modes and Conditions

For this assessment, the nRF board was set to a +4 dBm power setting utilizing the Nordic Proprietary Protocol (nRF) for RSE and Conducted Emissions measurements. All Conducted method measurements were performed with in BLE mode for 1M and 2M protocols. The EUT was programmed to transmit on low, mid, and high channels on the supported modulation and modes of operation.

2.5 EUT Connection Block Diagram – Conducted Measurements



2.6 EUT Connection Block Diagram – Radiated Measurements



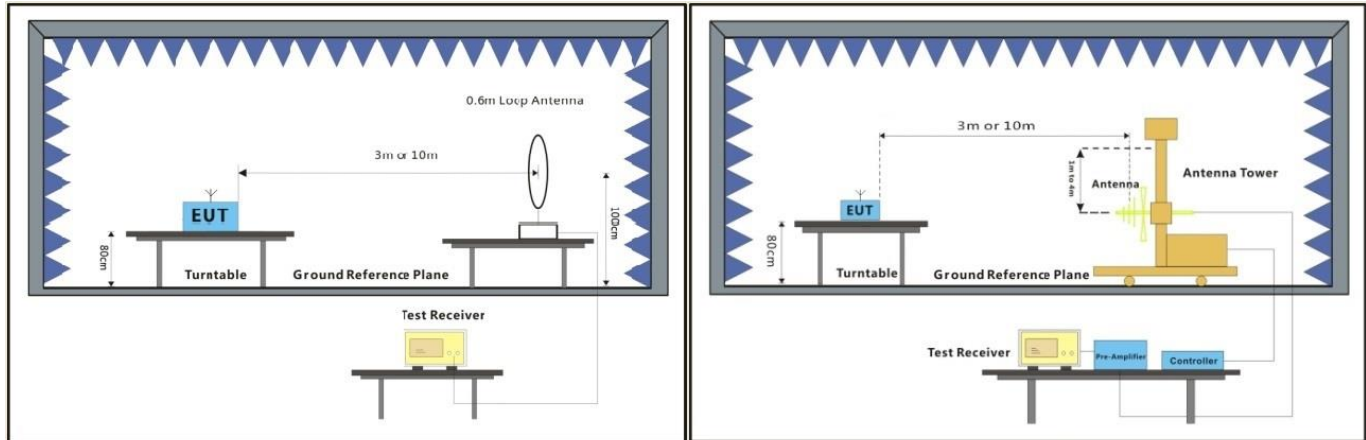
2.7 System Configurations

Device Reference	Manufacturer	Description	Model Number	Serial Number
A	Enovate Medical, LLC	Encore EcoFlex Plus (Phoenix)	ENC0-MP1DL	3193470
B	Enovate Medical, LLC	All in one (AIO) (PC)	311744400826	SY3268000434
C	Enovate Medical, LLC	Mobius Power (Battery)	2610	311831519080764

2.8 Cable List

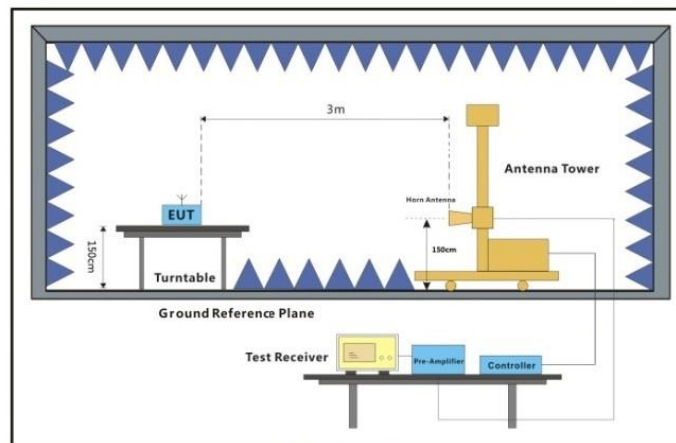
Cable reference	Port Name	Start	End	Cable Length (m)	Ferrite installed?	Shielded?
	None					

2.9 Configuration Diagrams (Radiated)



Below 30MHz

30MHz-1GHz



Above 1GHz

3 Occupied Bandwidth

3.1 Test Result

Test Description	Basic Standards	Test Result
99% Bandwidth 20dB Bandwidth	ANSI C63.10 15.247(a)(1) RSS-247 5.1(a) RSS-GEN 6.7	Compliant

3.2 Test Method

Occupied bandwidth measurements were taken using the methods defined in ANSI C63.10, Clause 6.9. Measurements were recorded using the 99% OBW function of the measurement receiver.

3.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24.31 °C

Relative Humidity: 47.5 %

Atmospheric Pressure: 97.9 kPa

3.4 Test Equipment

Test End Date: 17-Apr-2026

Tester: SGM

Equipment	Model	Manufacturer	Asset	Cal Date	Cal Due Date
TSTPASS Switchbox	SB2	TSTPASS	23009	4-Apr-2025	24-May-2026
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20109	20-Apr-2026	19-Apr-2027

Software Profile:

TSTPASS Version: 2.0.1

3.5 Test Data – 6dB Bandwidth / 99% Bandwidth

6dB Bandwidth

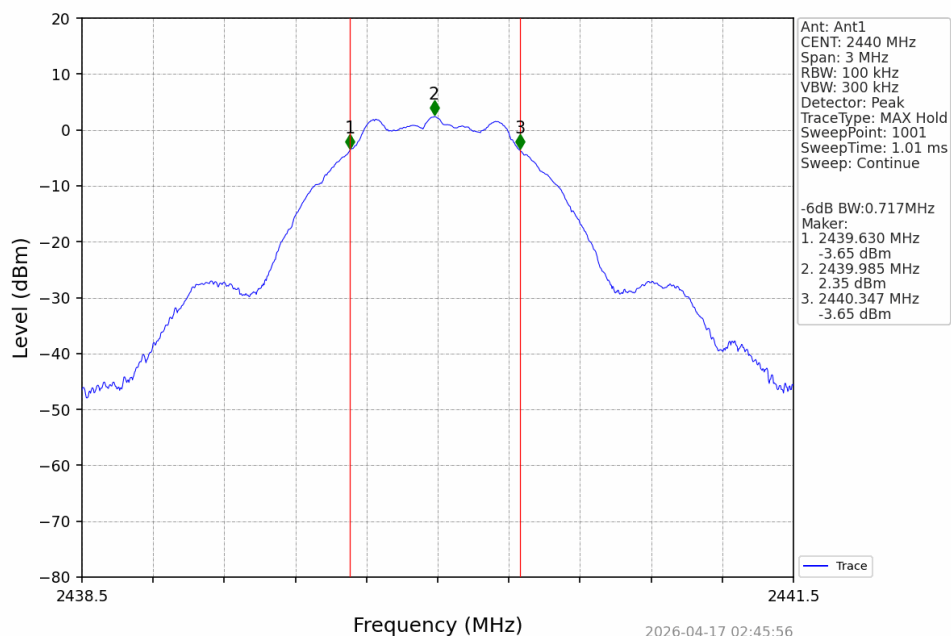
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.715	≥ 0.5	Pass
		2440	1	0.717	≥ 0.5	Pass
		2480	1	0.714	≥ 0.5	Pass
2M	SISO	2402	1	1.142	≥ 0.5	Pass
		2440	1	1.234	≥ 0.5	Pass
		2480	1	1.225	≥ 0.5	Pass

99% Occupied Bandwidth

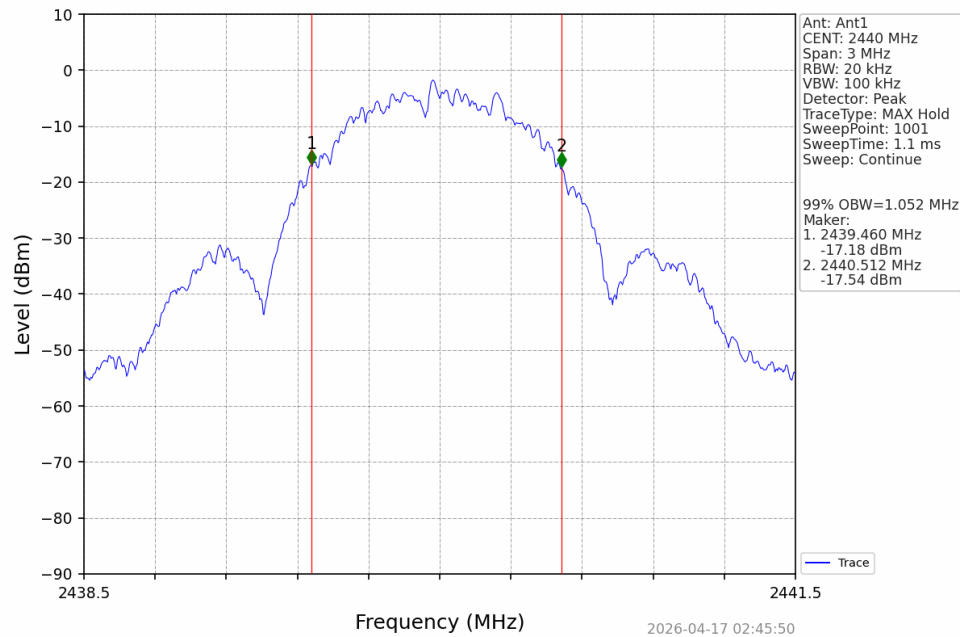
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.058	/	Pass
		2440	1	1.052	/	Pass
		2480	1	1.057	/	Pass
2M	SISO	2402	1	2.065	/	Pass
		2440	1	2.065	/	Pass
		2480	1	2.062	/	Pass

Representative Plot(s)

1M_MCH_2440MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV



4 Peak Output Power

4.1 Test Result

Test Description	Test Specification	Test Result
Peak Output Power	ANSI C63.10 15.247(a)(1), (b)(1) RSS-247 5.4(b), 5.1(b)	Compliant

4.2 Test Method

Output power measurements were taken using the methods defined in ANSI C63.10, Clause 11.9.

Limit

§15.247(b)(1): For frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels...: 1 watt (30 dBm).

§15.247(a)(1): Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW (21 dBm).

4.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24.31 °C
Relative Humidity: 47.5 %
Atmospheric Pressure: 97.9 kPa

4.4 Test Equipment

Test End Date: 17-Apr-2026

Tester: SGM

Equipment	Model	Manufacturer	Asset	Cal Date	Cal Due Date
TSTPASS Switchbox	SB2	TSTPASS	23009	4-Apr-2025	24-May-2026
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20109	20-Apr-2026	19-Apr-2027

Software Profile:

TSTPASS Version: 2.0.1

4.5 Test Data

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	1.95	<=30	Pass
		2440	2.45	<=30	Pass
		2480	2.29	<=30	Pass
2M	SISO	2402	1.93	<=30	Pass
		2440	2.43	<=30	Pass
		2480	2.24	<=30	Pass

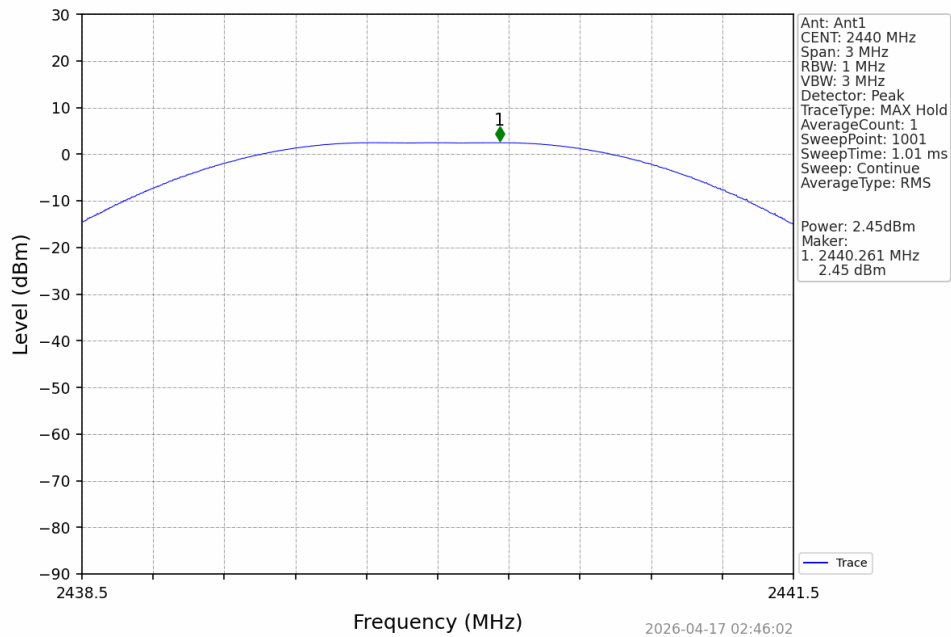
Note1: Antenna Gain: Ant1: 2.0 dBi;

Mode	TX Type	Frequency (MHz)	E.I.R.P (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	3.95	<=36.02	Pass
		2440	4.45	<=36.02	Pass
		2480	4.29	<=36.02	Pass
2M	SISO	2402	3.93	<=36.02	Pass
		2440	4.43	<=36.02	Pass
		2480	4.24	<=36.02	Pass

Note1: Antenna Gain: Ant1: 2.0 dBi;
Note2: E.I.R.P = Measured Power + Antenna Gain

Representative Plot(s)

1M_MCH_2440MHz_Ant1_NTNV



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 clause 11.10 and KDB 558074 D01 15.247 Meas Guidance v05r02 .

Limit

The limit is 8 dBm.

5.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24.31 °C
 Relative Humidity: 47.5 %
 Atmospheric Pressure: 97.9 kPa

5.4 Test Equipment

Test End Date: 17-Apr-2026

Tester: SGM

Equipment	Model	Manufacturer	Asset	Cal Date	Cal Due Date
TSTPASS Switchbox	SB2	TSTPASS	23009	4-Apr-2025	24-May-2026
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20109	20-Apr-2026	19-Apr-2027

Software Profile:

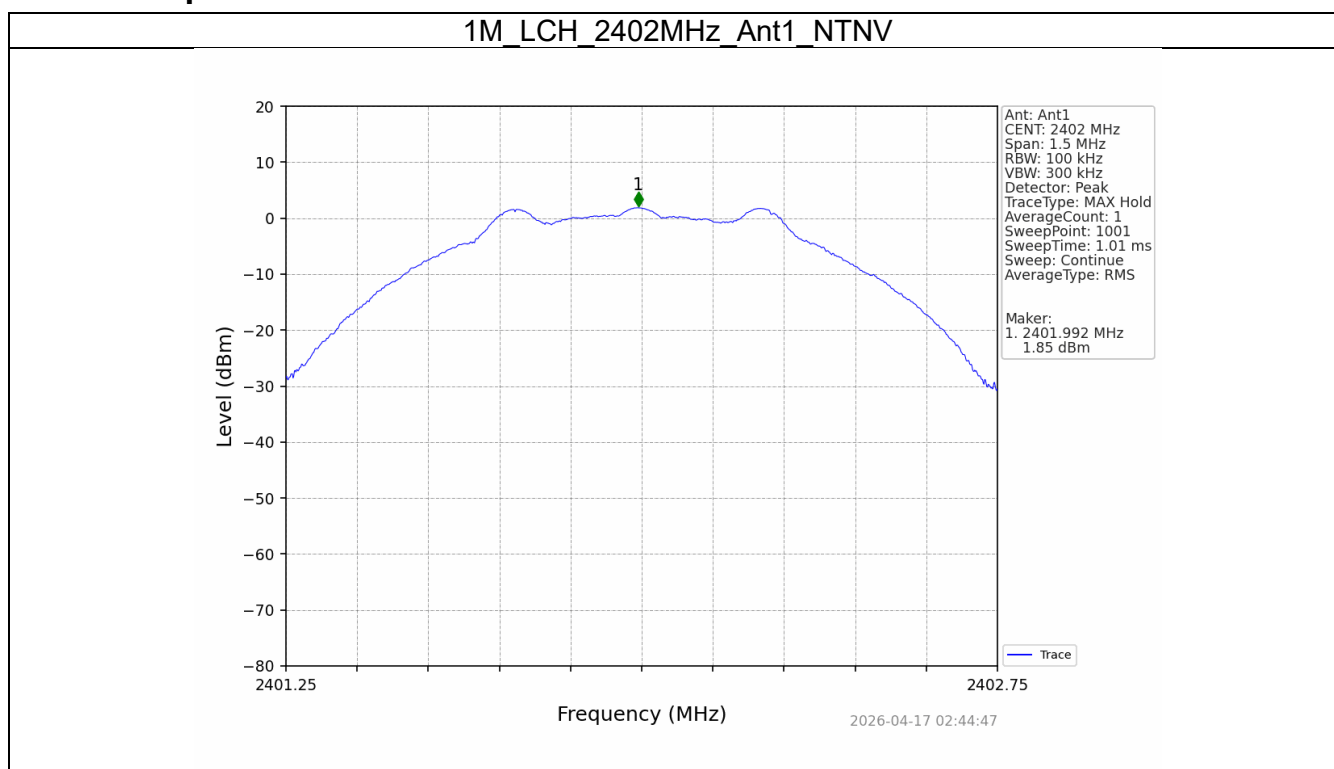
TSTPASS Version: 2.0.1

5.5 Test Data

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	1.85	<=8	Pass
		2440	2.36	<=8	Pass
		2480	2.20	<=8	Pass
2M	SISO	2402	1.75	<=8	Pass
		2440	2.33	<=8	Pass
		2480	2.15	<=8	Pass

Note1: Antenna Gain: Ant1: 2.0dBi; (Not applied)

5.5.1 Example Plots



6 Conducted Spurious Emissions / Band Edge

6.1 Test Result

Test Description	Test Specification	Test Result
Conducted Spurious and Band Edge Emissions	ANSI C63.10 15.247(d) RSS-247 5.5	Compliant

6.2 Test Method

Conducted spurious emissions measurements were taken using the methods defined in ANSI C63.10, Clauses 5.5, 5.6, & 6.7. Authorized band edge measurements were recorded using the methods in clause 6.10.4. Basic Rate, EDR-2, & EDR-3 with a DH1, DH3, & DH5 packet types were used for spurious measurements. Band edge measurements were also recorded using each modulation (Basic Rate, EDR-2, and EDR-3).

The limit is 20 dB below the measured peak power.

6.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24.31 °C
 Relative Humidity: 47.5 %
 Atmospheric Pressure: 97.9 kPa

6.4 Test Equipment

Test End Date: 17-Apr-2026

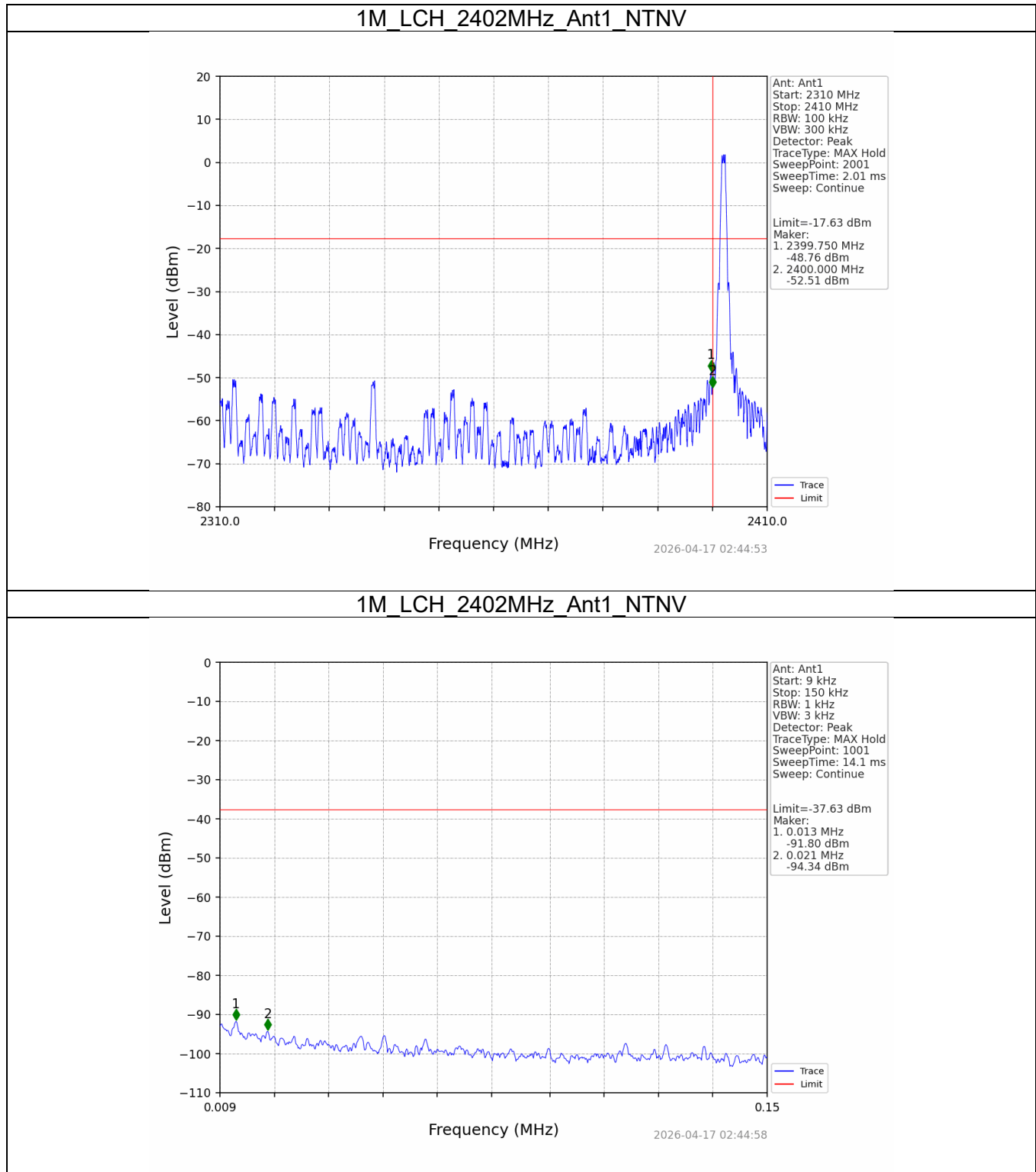
Tester: SGM

Equipment	Model	Manufacturer	Asset	Cal Date	Cal Due Date
TSTPASS Switchbox	SB2	TSTPASS	23009	4-Apr-2025	24-May-2026
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20109	20-Apr-2026	19-Apr-2027

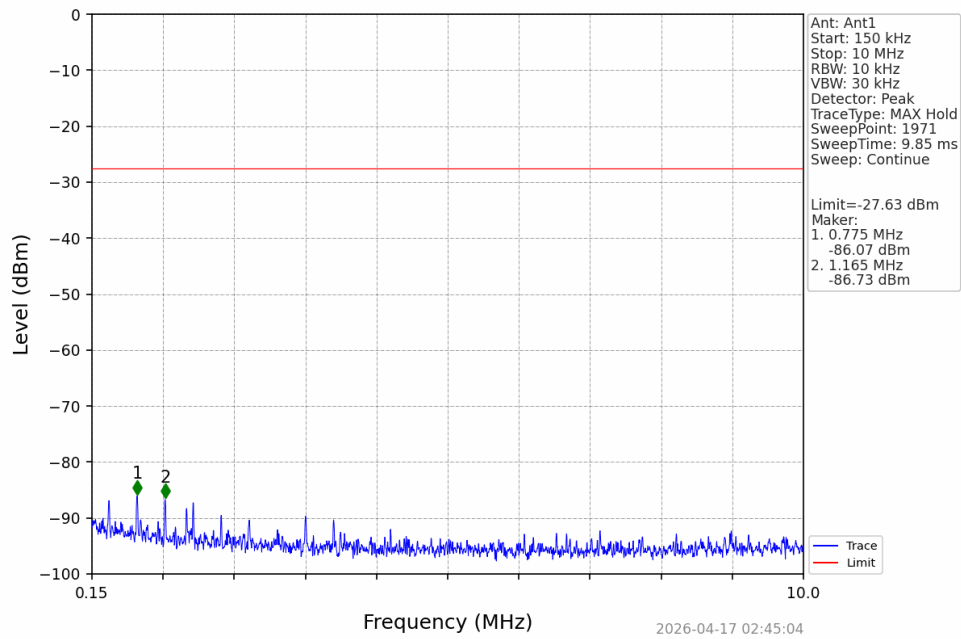
Software Profile:

TSTPASS Version: 2.0.1

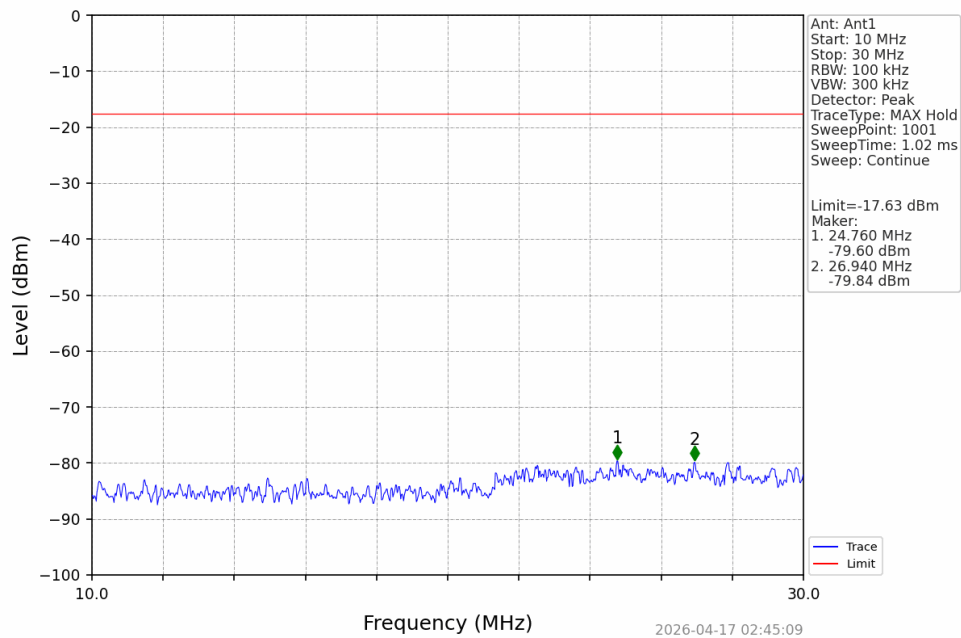
6.5 Test Data - Band Edge - Conducted Spurious Emissions



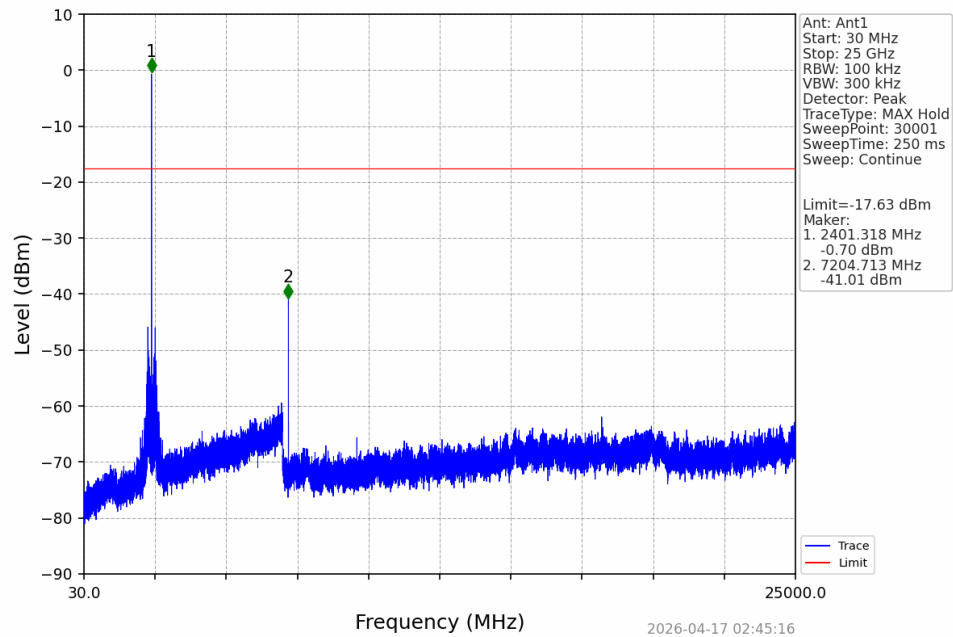
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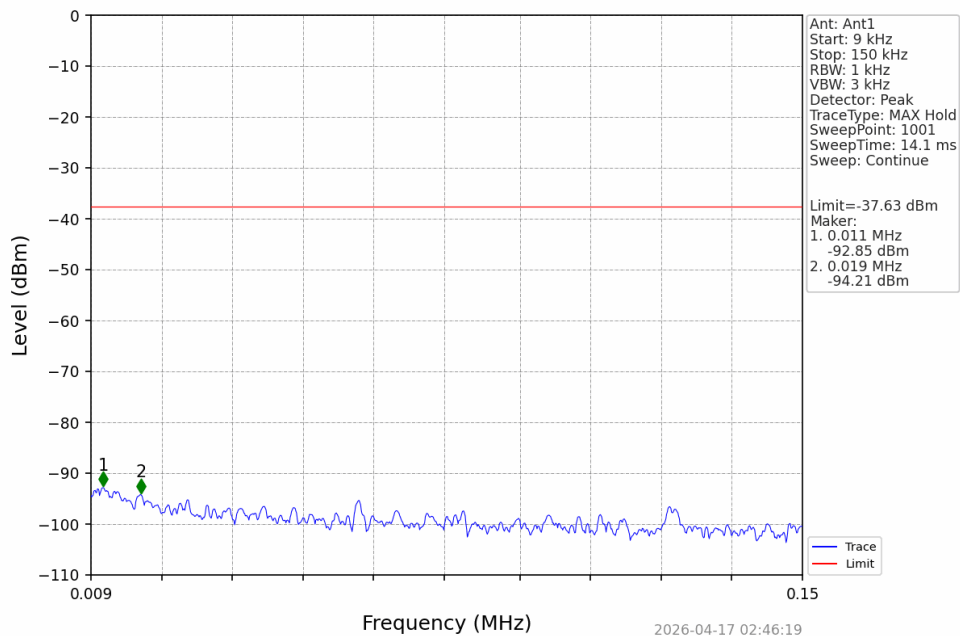
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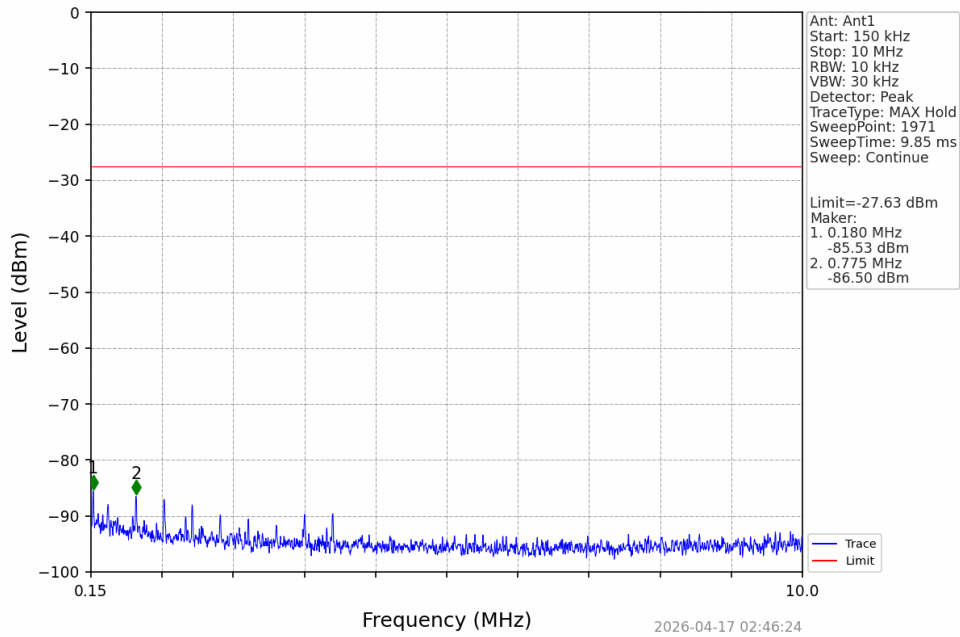
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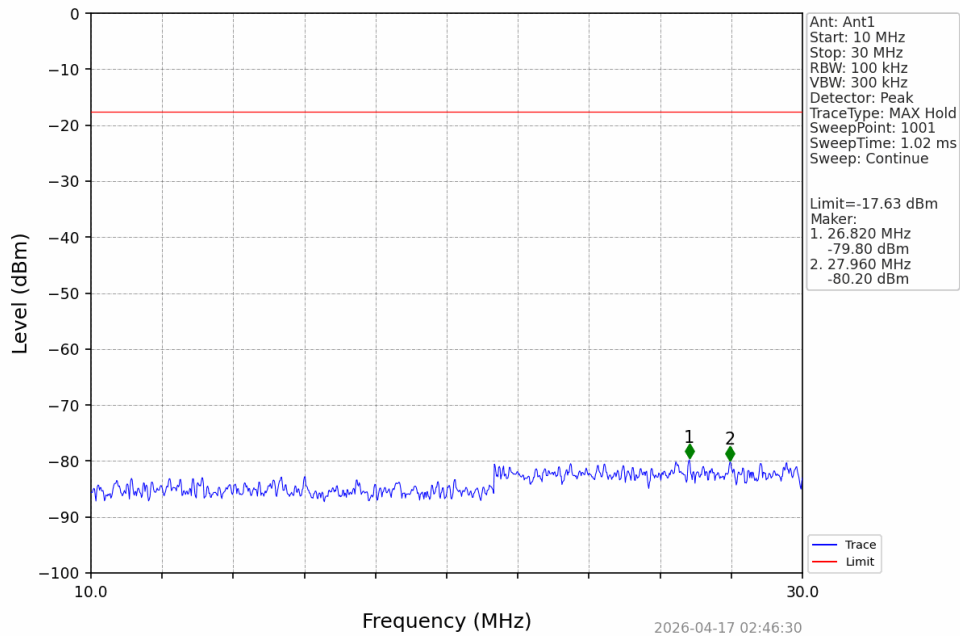
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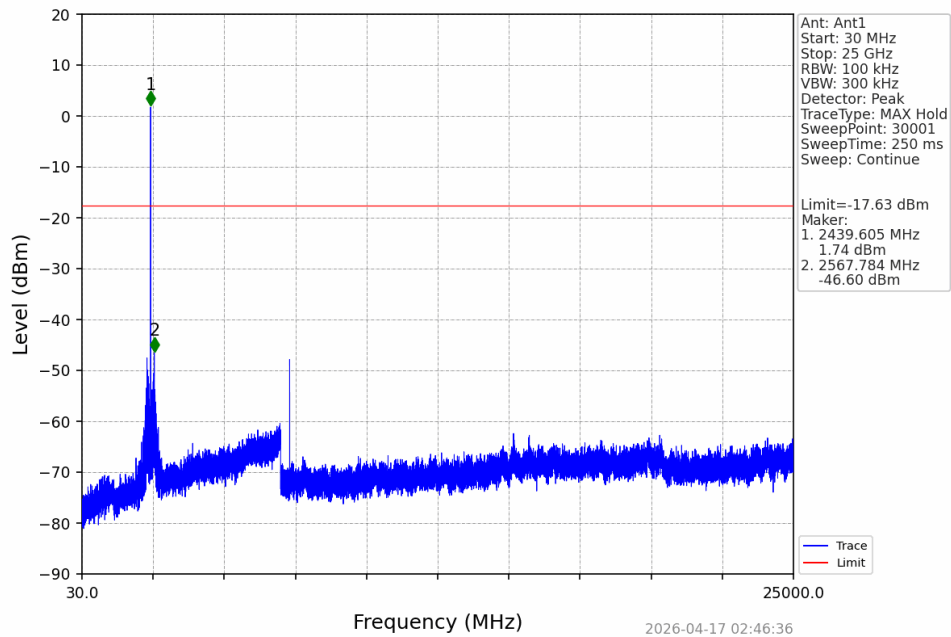
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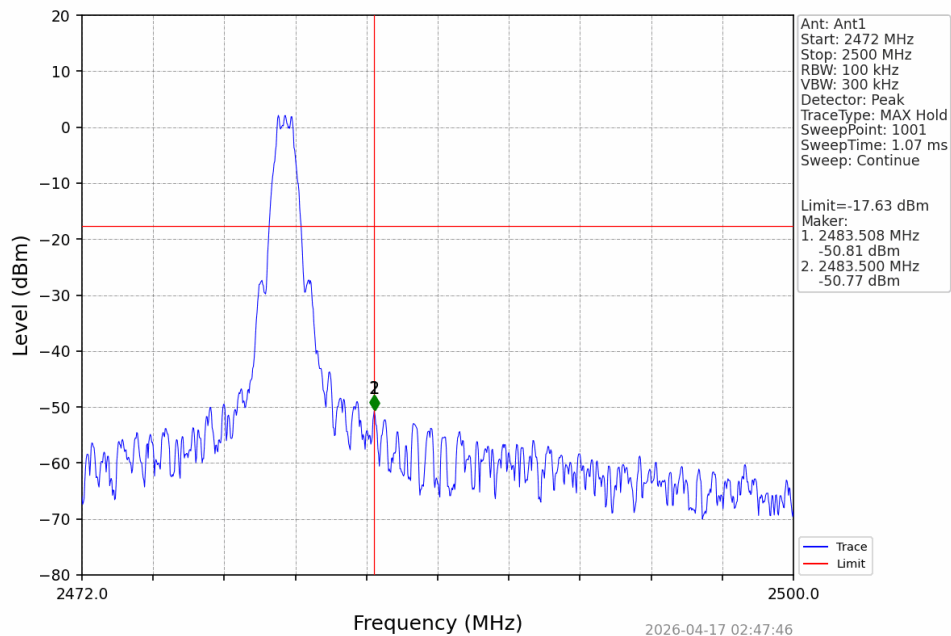
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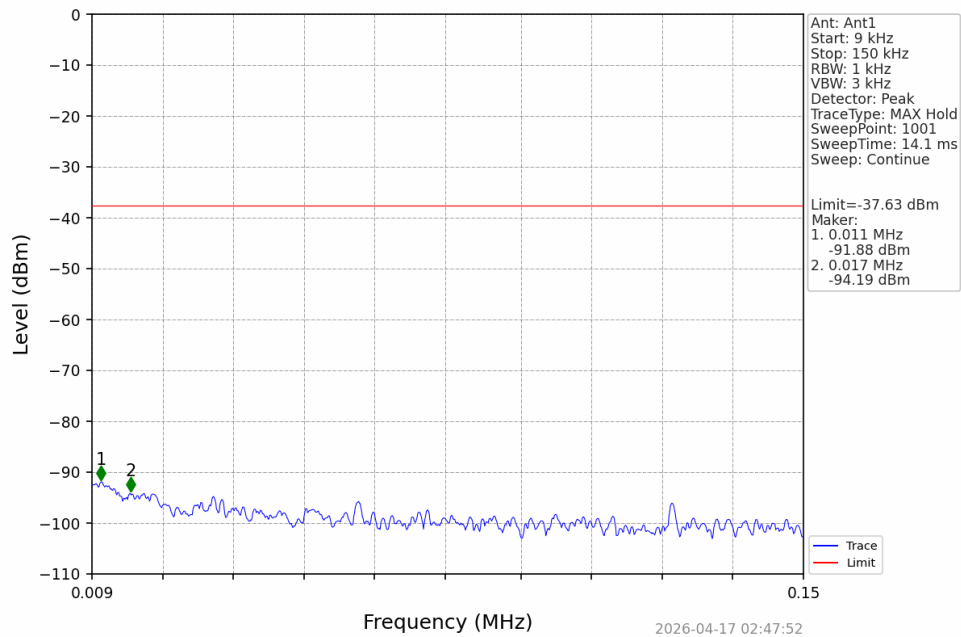
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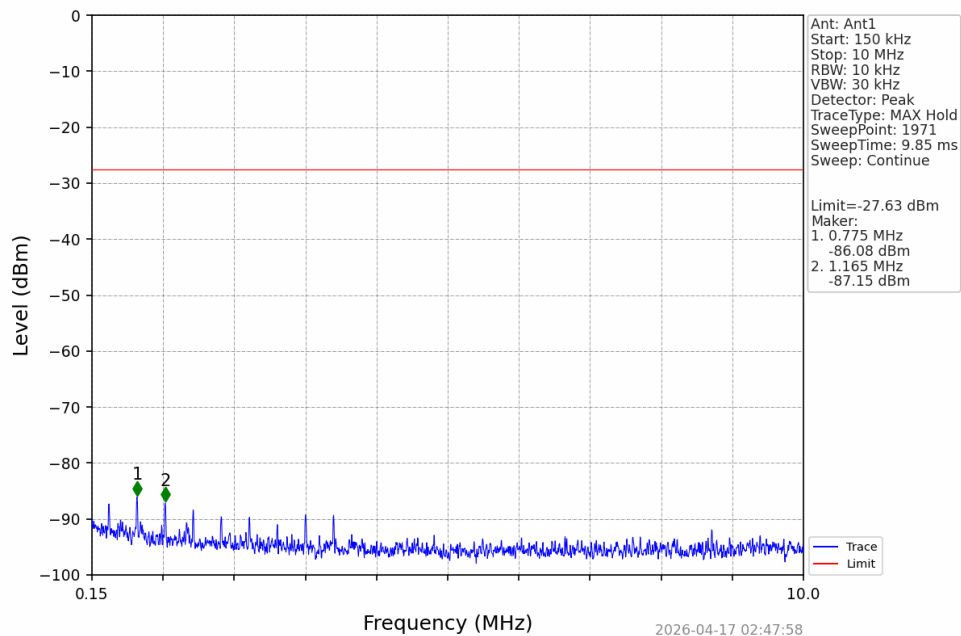
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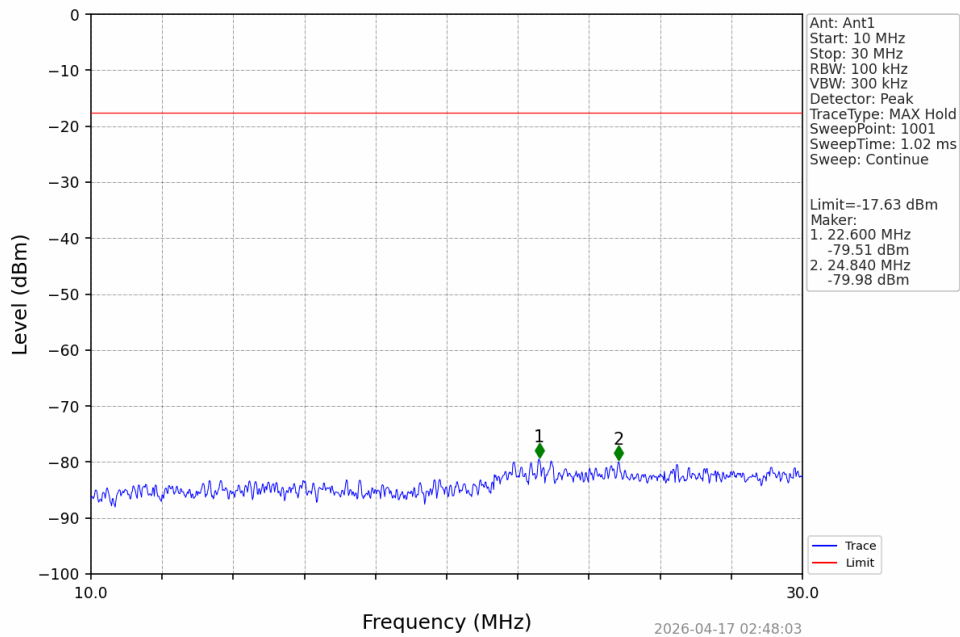
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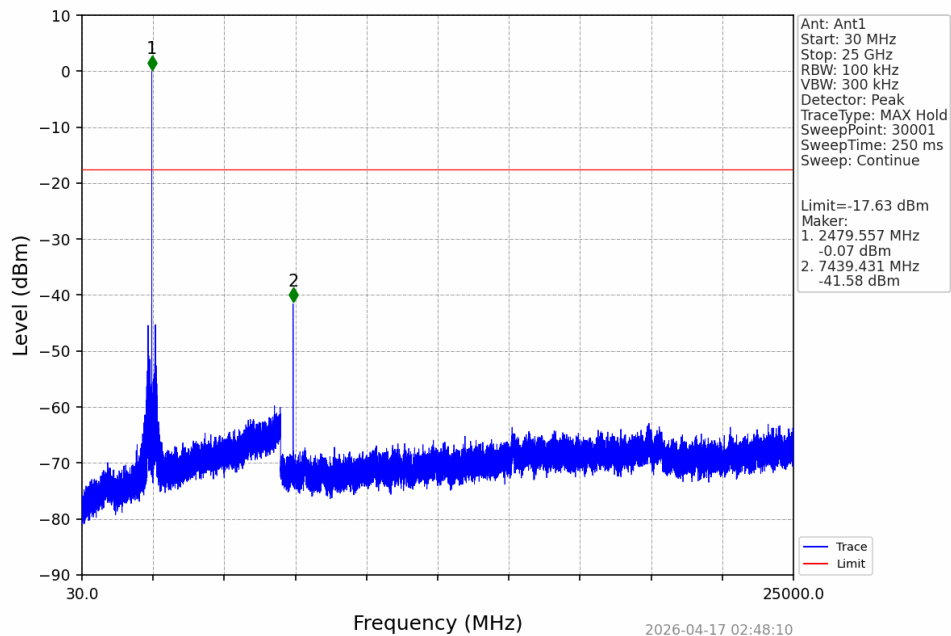
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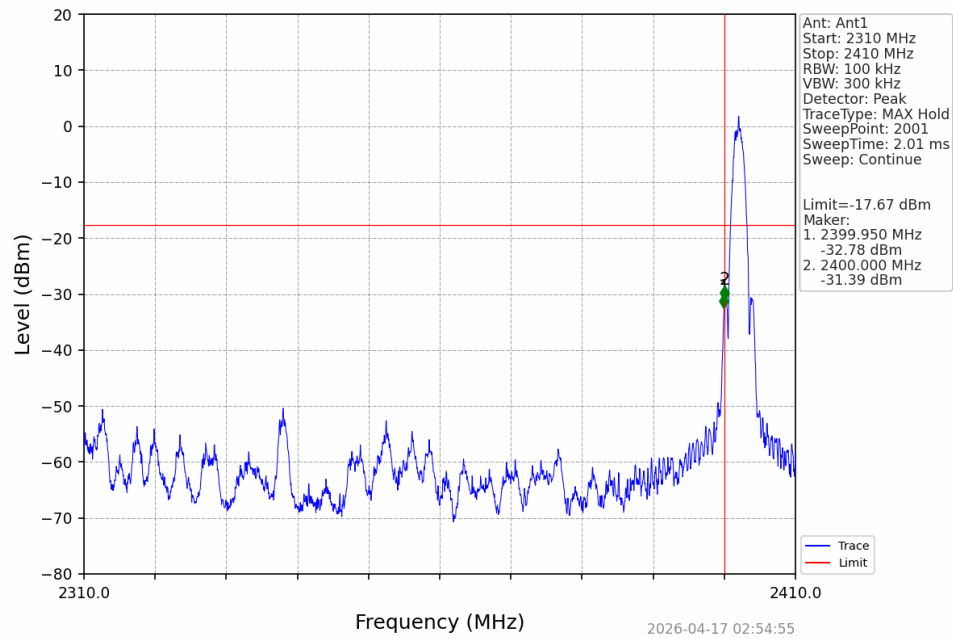
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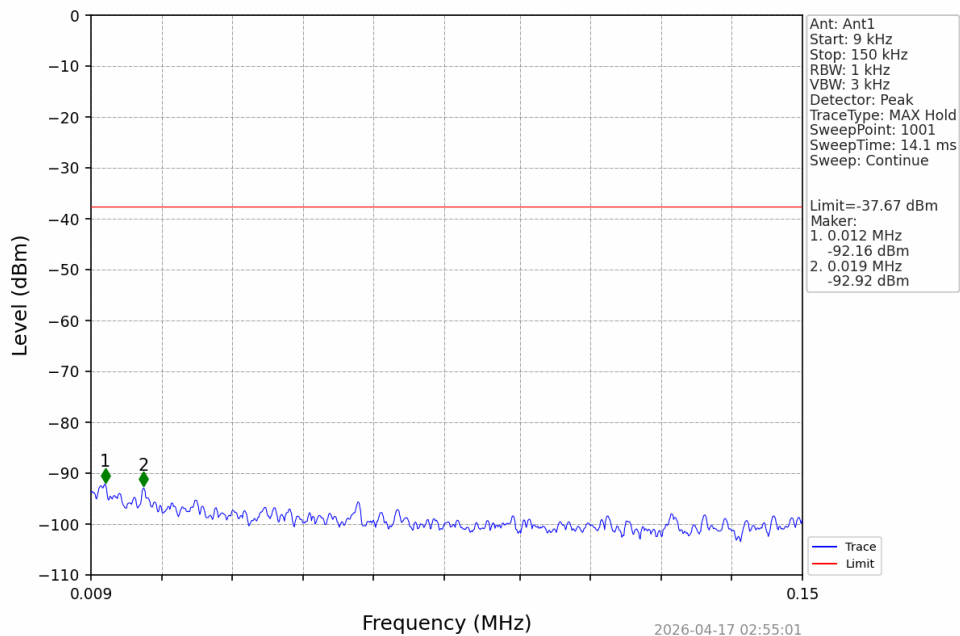
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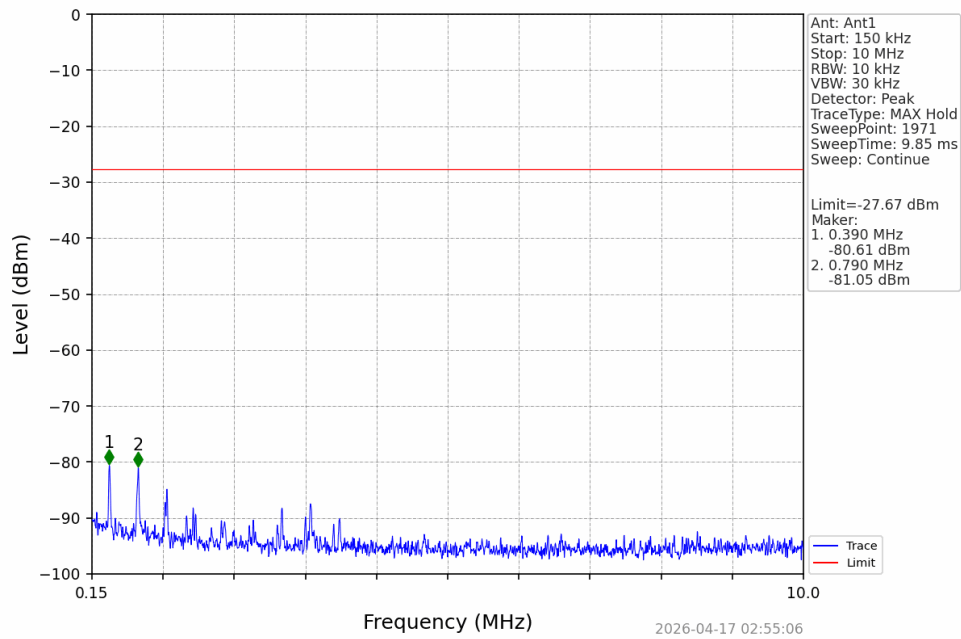
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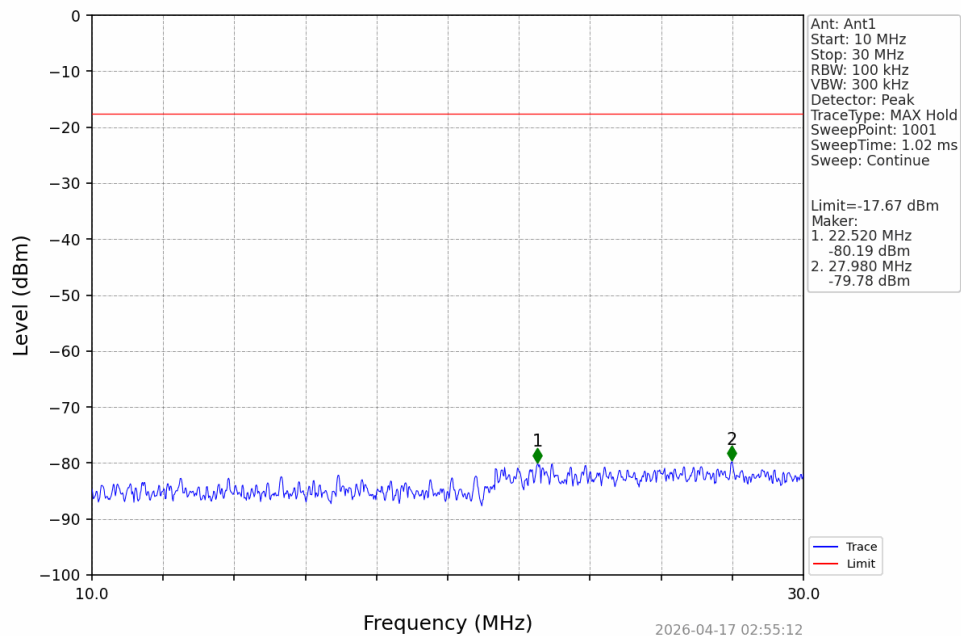
2M_LCH_2402MHz_Ant1_NTNV



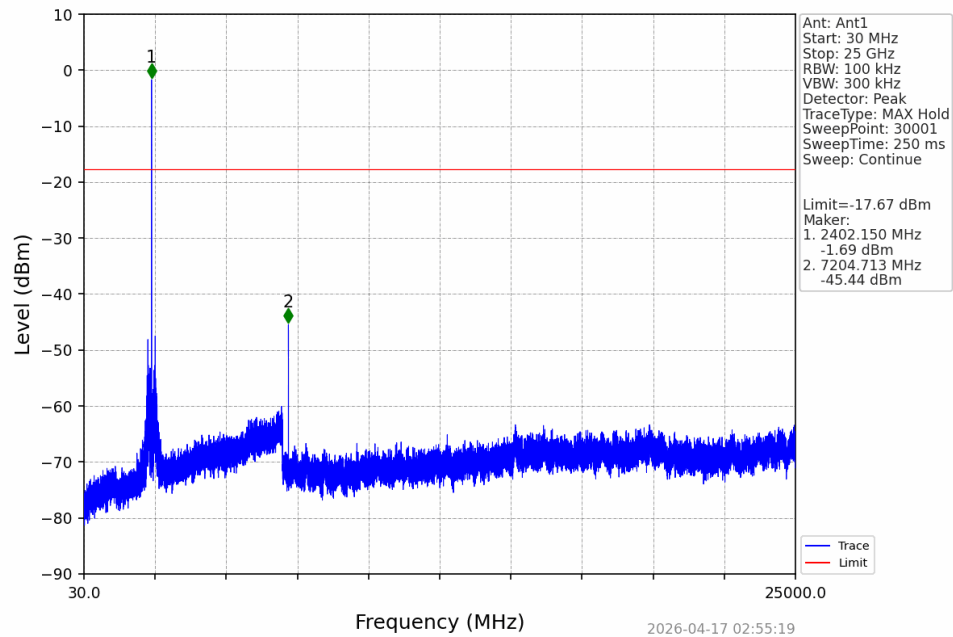
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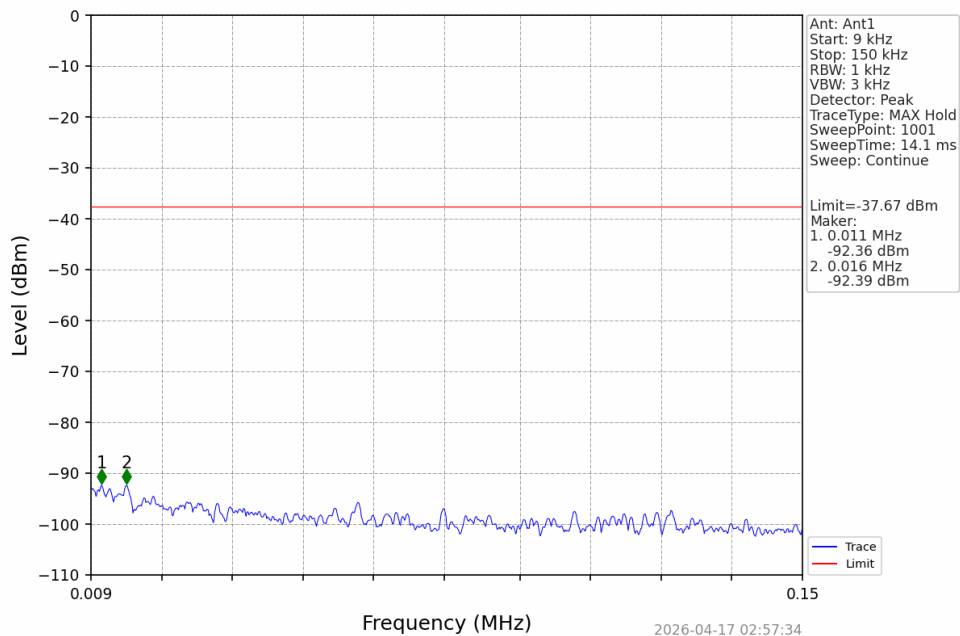
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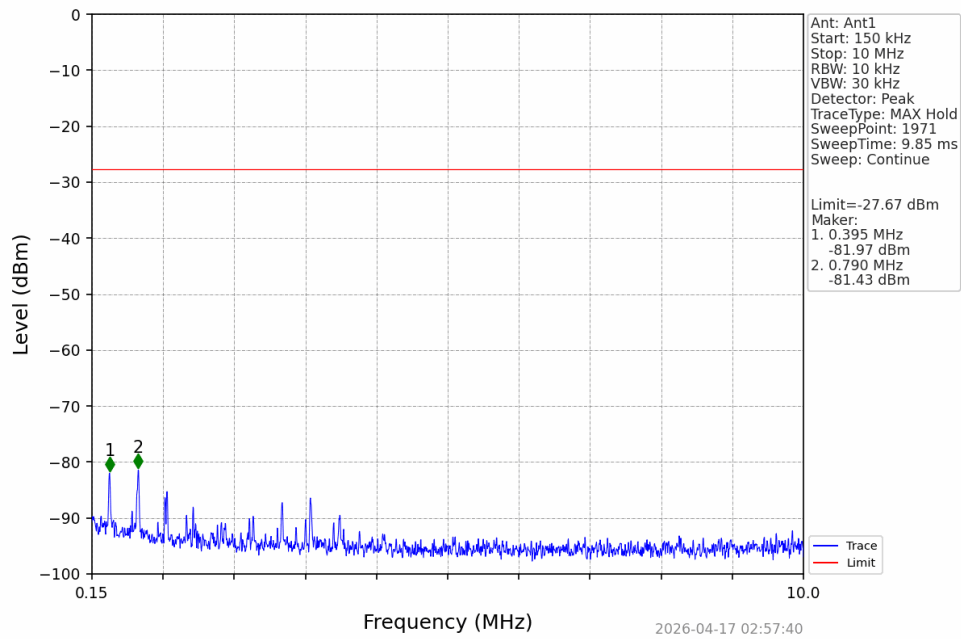
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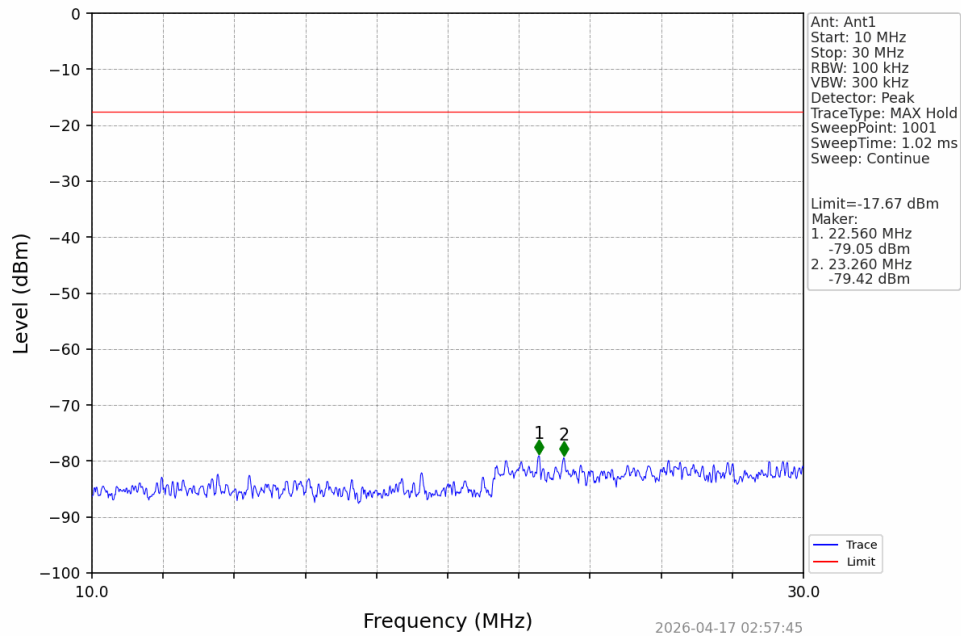
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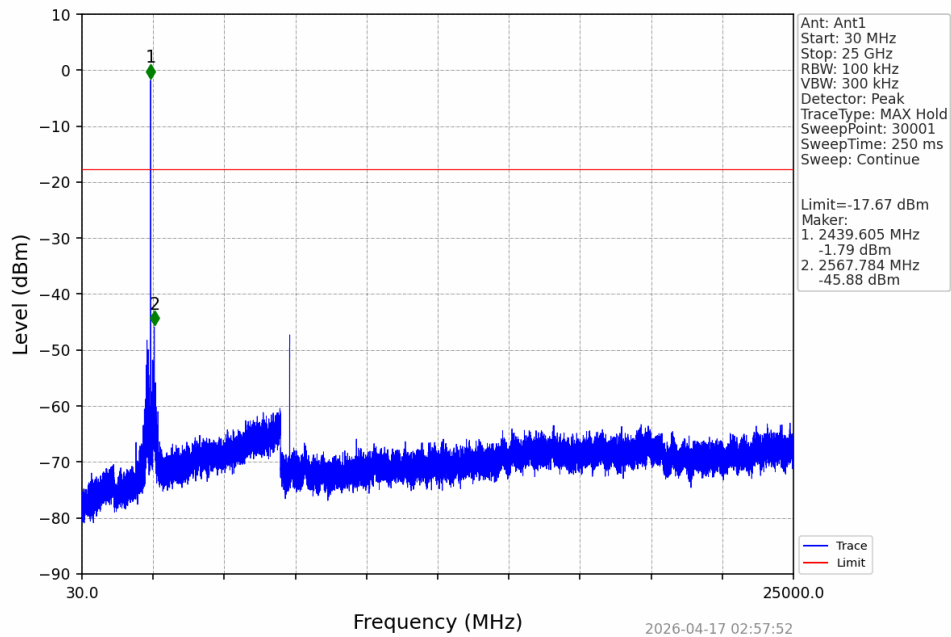
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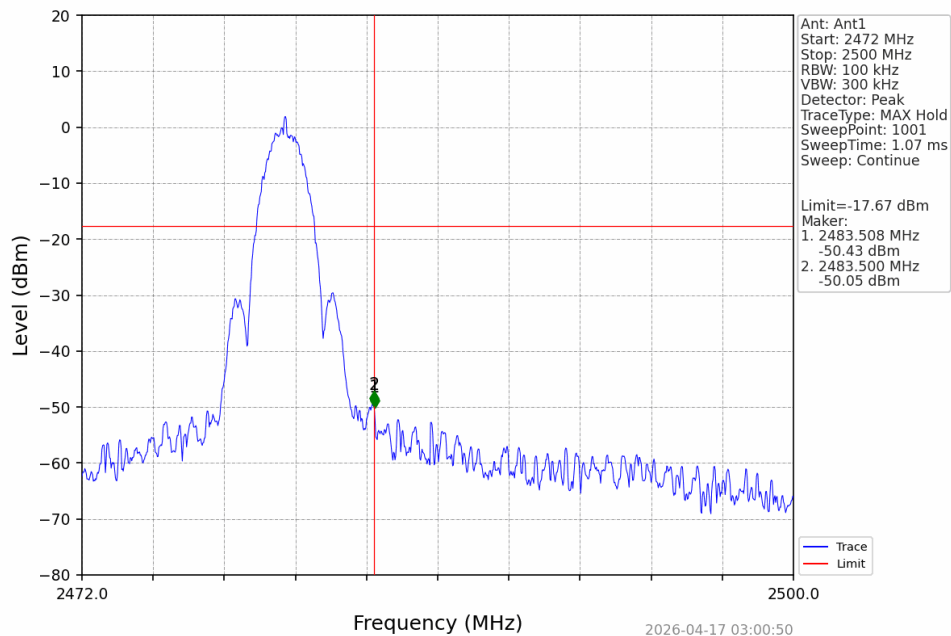
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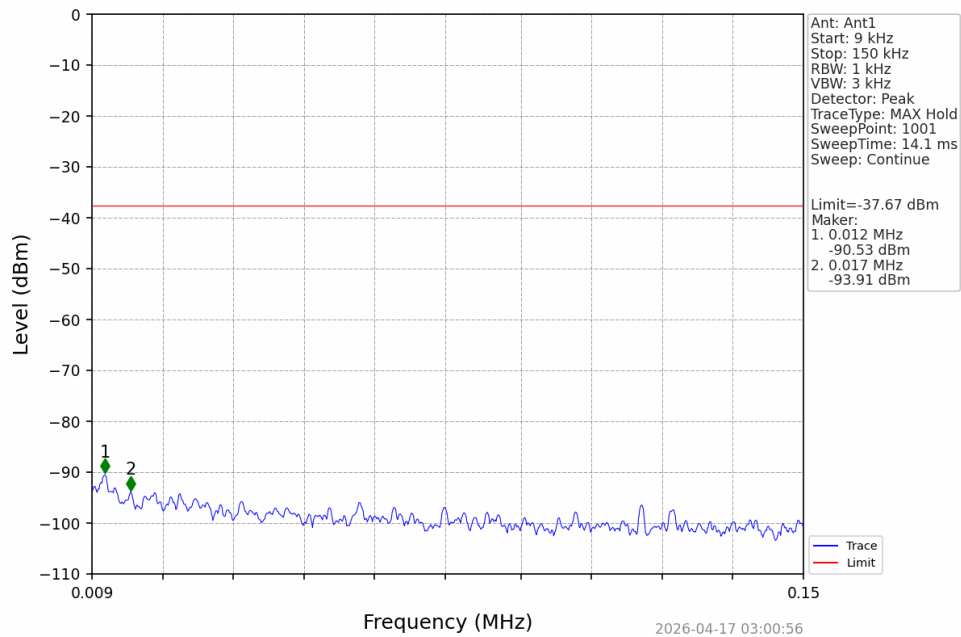
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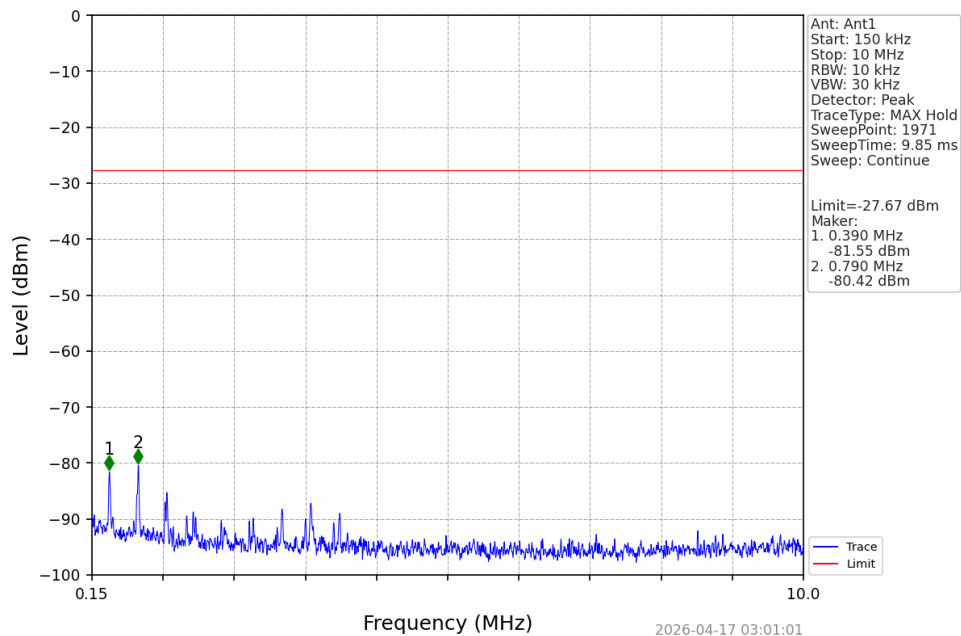
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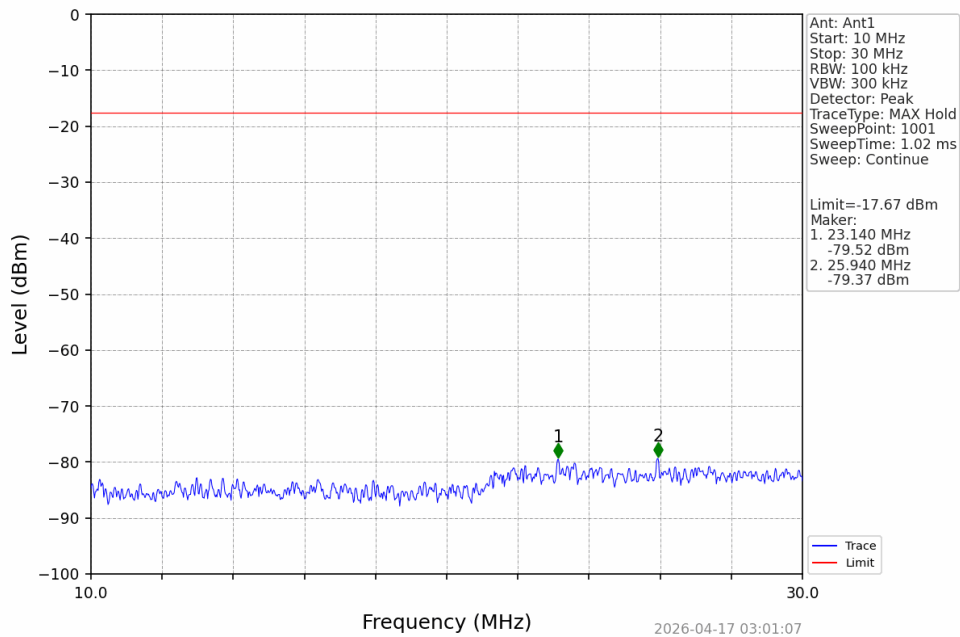
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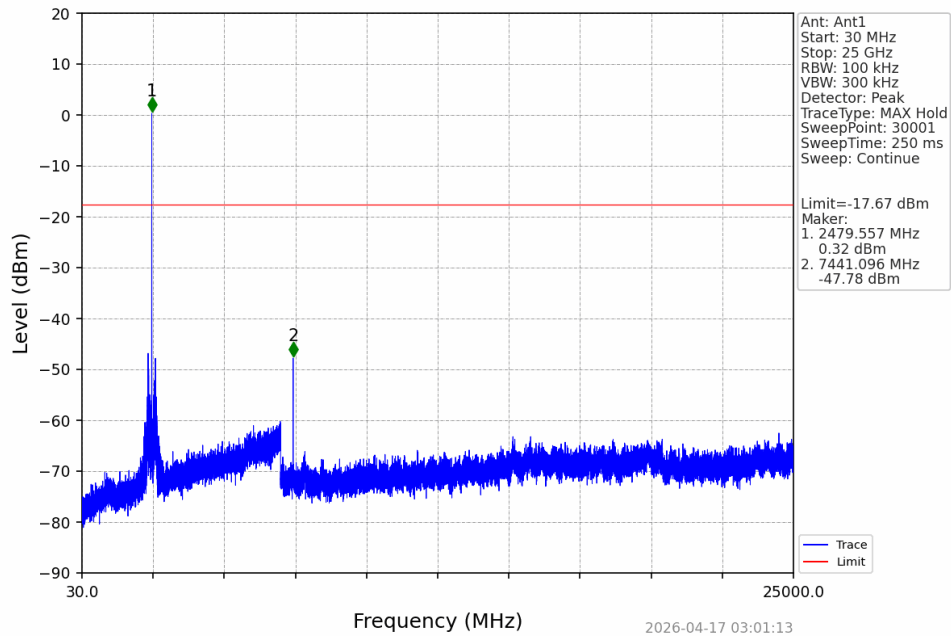
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2M_HCH_2480MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



7 Field Strength of Spurious Radiation

7.1 Test Result

Test Description	Test Specification		Test Result
Radiated Spurious Emissions	15.247(d), 15.35(b) 15.205, 15.209	RSS-247 5.5 RSS-GEN 8.9, 8.10	Compliant

7.2 Test Method

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

Data Rate: 1MB used. Lowest, middle, and highest channels were investigated – the device was commanded to continuously transmit on low, middle, and high channels.

Test distance:

- 9k to 30 MHz – Near field prescan to determine if there were any emissions
- 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

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions	9kHz-30MHz	30-1000MHz	1-18GHz	18-26GHz
Temperature:	22.99 °C	23.34 °C	24.61 °C	22.81 °C
Relative Humidity:	39.49 %	36.4 %	39.0 %	49.7 %
Atmospheric Pressure:	98.1 kPa	98.3 kPa	97.4 kPa	98.4 kPa

7.4 Test Equipment

9kHz 30MHz

Test End Date: 23-Apr-2026

Tester: SGM

Equipment	Model	Manufacturer	Asset	Cal Date	Cal Due Date
ANTENNA, LOOP, ACTIVE	6502	ETS LINDGREN	B085752	30-Mar-2026	30-Mar-2028
RF Cable, Armored, N to N, 276 inches	EM-B810NM-276PA	Echelon	25012	19-Sep-2025	18-Sep-2026
RF CABLE NM TO NM, 0.01-18GHz	EM-B810NM-276	Echelon	25013	19-Sep-2025	18-Sep-2026
N to N RF Cable	RF280-06SP-06SP-2000	SAMTEC	23013	5-May-2025	4-May-2026
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22027	19-Mar-2026	18-Mar-2027

30-1000 MHz

Test End Date: 27-Apr-2026

Tester: SGM

Equipment	Model	Manufacturer	Asset	Cal Date	Cal Due Date
ANTENNA, BILOG	CBL 6143A	TESEQ	B085931	27-Apr-2026	26-Apr-2028
RF Cable, Armored, N to N, 276 inches	EM-B810NM-276PA	Echelon	25012	19-Sep-2025	18-Sep-2026
RF CABLE NM TO NM, 0.01-18GHz	EM-B810NM-276	Echelon	25013	19-Sep-2025	18-Sep-2026
RF CABLE	104PE	HUBER & SUHNER	B079793	8-Aug-2025	7-Aug-2026
N to N RF Cable	RF280-06SP-06SP-2000	SAMTEC	23013	5-May-2025	4-May-2026
LOW NOISE AMPLIFIER	ZKL-2+	MINI-CIRCUITS	B079817	6-Aug-2025	5-Aug-2026
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22027	19-Mar-2026	18-Mar-2027

1-18GHz

Test End Date: 24-Apr-2026

Tester: SGM

Equipment	Model	Manufacturer	Asset	Cal Date	Cal Due Date
ANTENNA, DRG HORN (MEDIUM)	3117	ETS LINDGREN	B079699	23-Jul-2024	22-Jul-2026
RF Cable, Armored, N to N, 276 inches	EM-B810NM-276PA	Echelon	25012	19-Sep-2025	18-Sep-2026
RF CABLE RIGHT ANGLE NM TO NM, 0.01-18GHz	90-076-020	TELEDYNE STORM MICROWAVE	22037	19-Dec-2025	18-Dec-2026
LOW NOISE AMPLIFIER	TS-PR18	ROHDE & SCHWARZ	15003	12-Jun-2025	11-Jun-2026
ATTENUATOR, 20DB ¹	8491B 20DB	HEWLETT PACKARD/AGILENT	B079664-20	5-May-2025	4-May-2026
FILTER, HIGH PASS, >2800MHZ ²	HPM50111	MICRO-TRONICS	22017	16-Jun-2025	15-Jun-2026
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22027	19-Mar-2026	18-Mar-2027

Notes:

1. Attenuator was used for the 1-3GHz scanning range
2. High Pass Filter was used for the 3-18GHz scanning range.

18-26GHz

Test End Date: 27-Apr-2026

Tester: SGM

Equipment	Model	Manufacturer	Asset	Cal Date	Cal Due Date
ANTENNA, DRG HORN (SMALL)	3116B	ETS LINDGREN	B079697	2-Jul-2024	1-Jul-2026
SMA to SMA RF Cable	NC12-K1K1-138	MEGAPHASE	22002	20-Apr-2026	19-Apr-2027
RF CABLE SMA, 0.01-40GHZ	HULL150A-29P-29P-36	HASCO COMPONENTS	19101	20-Apr-2026	19-Apr-2027
LOW NOISE AMPLIFIER	NSP1840-HG	MITEQ	B087572	10-Oct-2025	9-Oct-2026
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22027	19-Mar-2026	18-Mar-2027

Software Profile:

"RSE 9k-30M Active Red Loop 260416" TILE! profile dated 16 April 2026

"RSE 30-1000 MHz 260302 Maturo" TILE! profile dated 02 March 2026

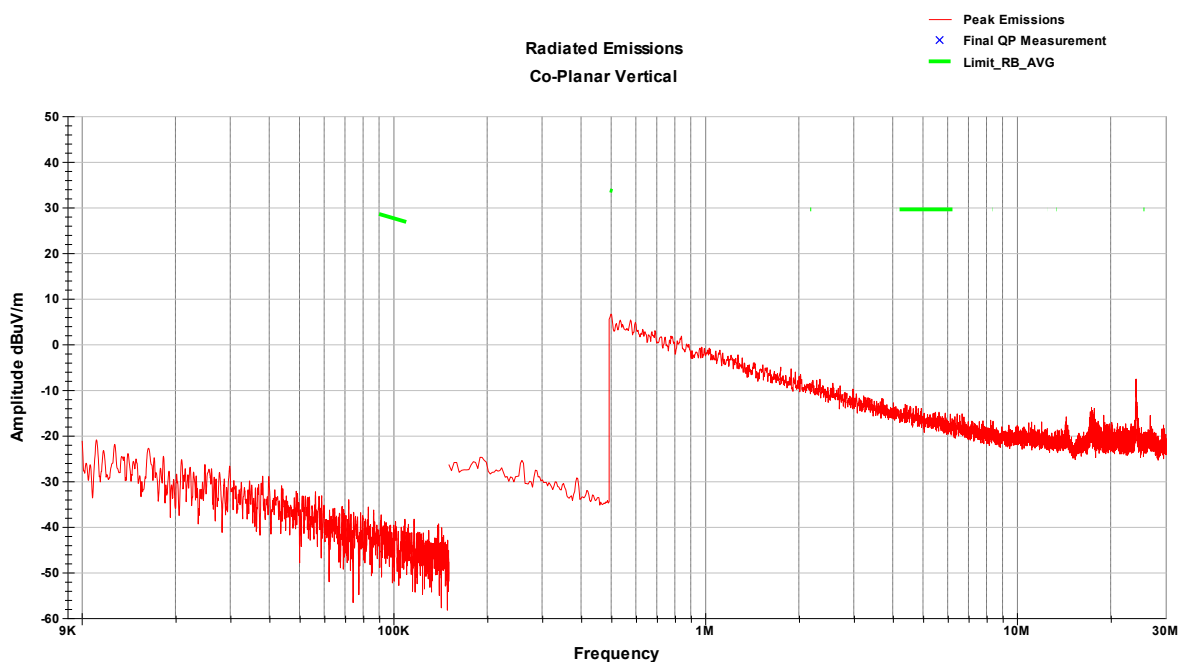
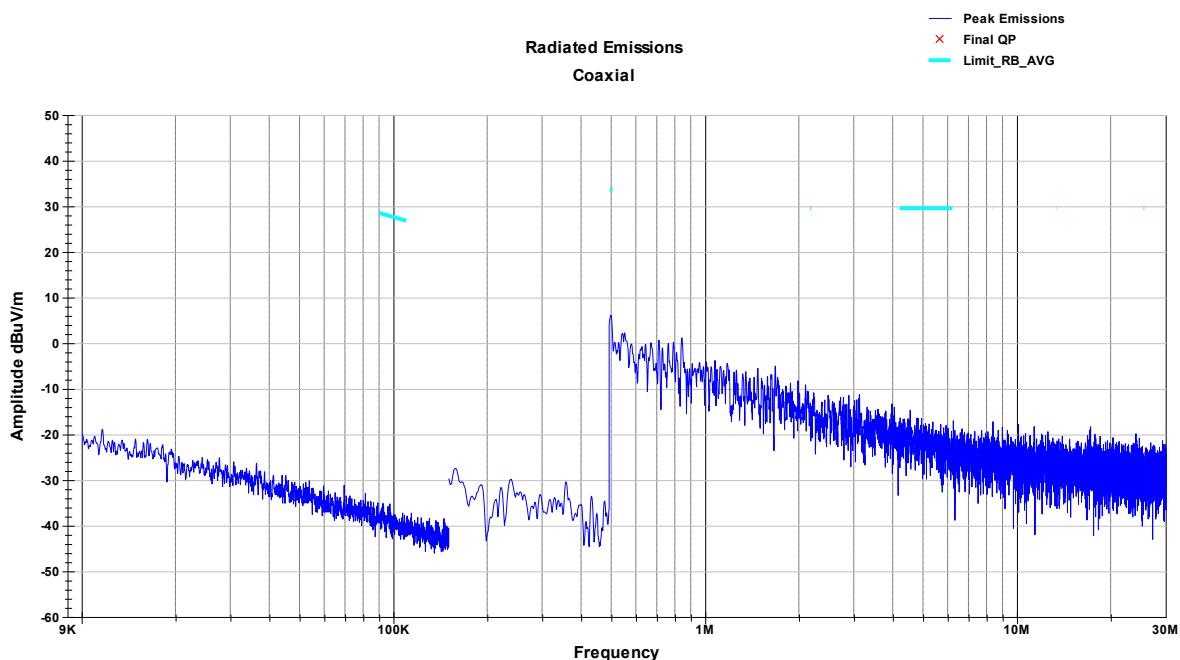
"RSE 1-40GHz 260302_Maturo" TILE! profile dated 03 March 2026

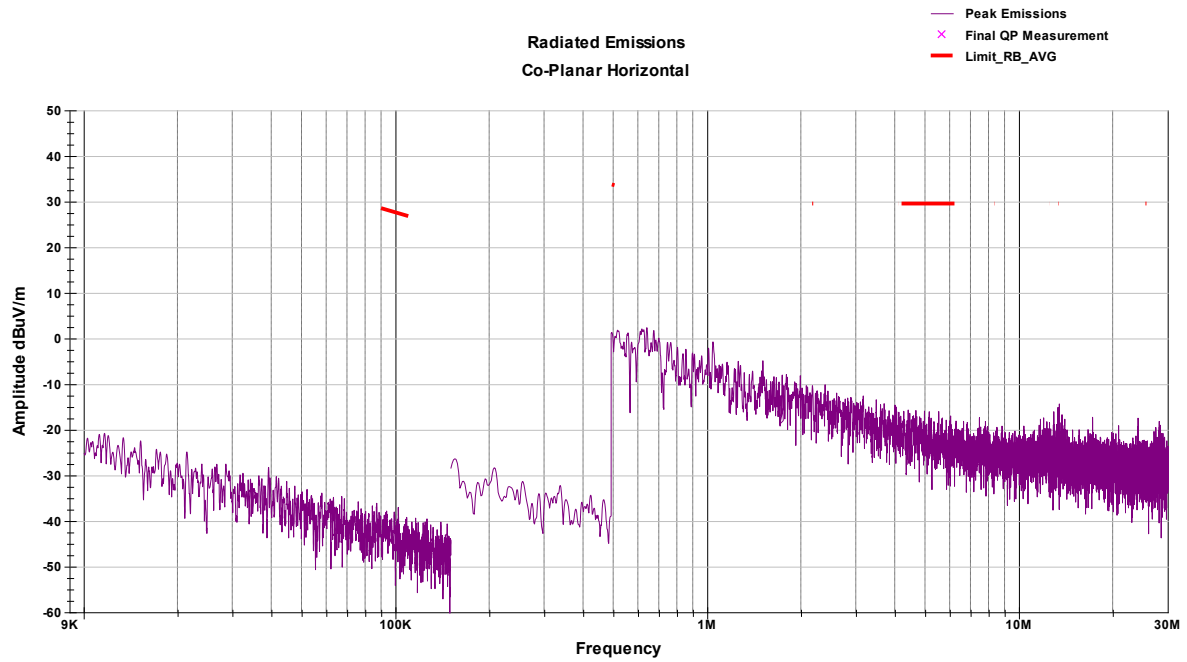
7.5 Test Data

7.5.1 9kHz-30MHz

There was little deviation based on axis or channel in the frequency range of 9kHz-30MHz and above 18GHz. (worst case shown).

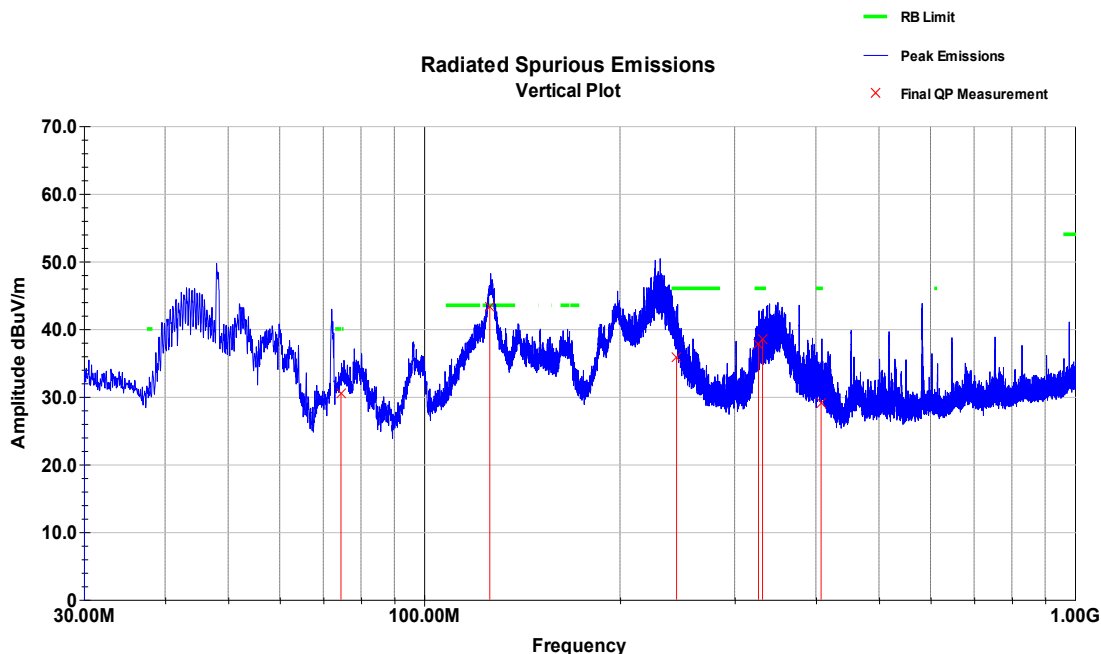
Middle Channel (2440 MHz)





7.5.2 30-1000 MHz

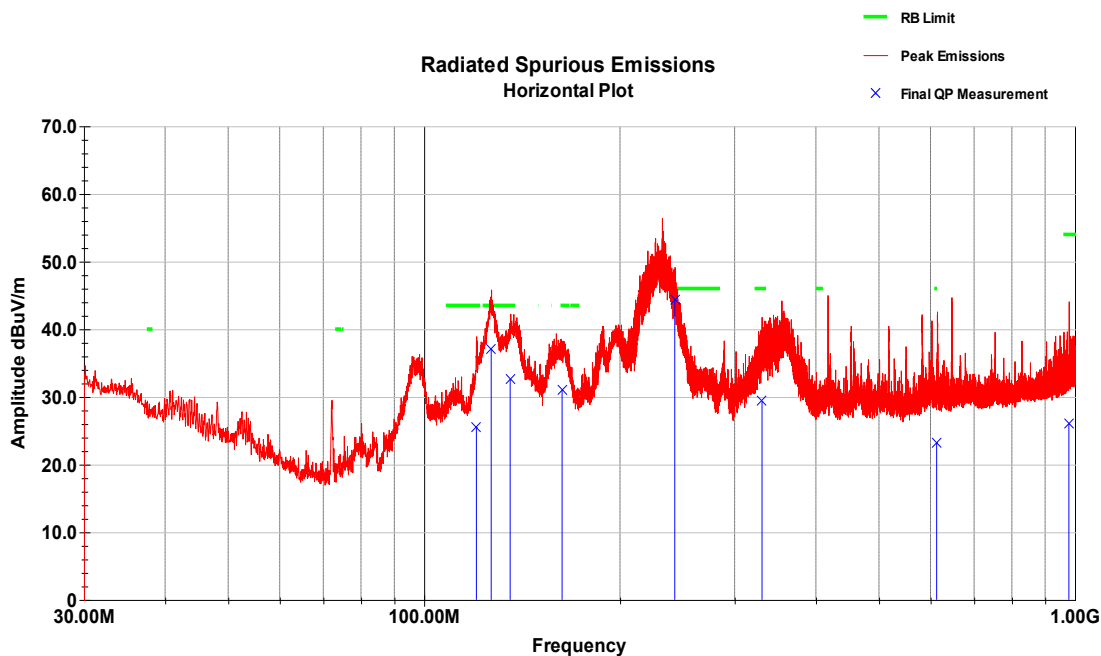
Plot Data - Low Channel (2402MHz)



Tabular Data – Low Channel (2402MHz)

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw QP dBuV/m	AF dB/m	Loss dB	DCF dB	Amp dB	Final QP dBuV/m	Limit dBuV/m	Margin dB
74.53	V	181.0	127.0	48.4	12.1	0.7	0.0	30.6	30.6	40.0	-9.4
126.17	V	301.0	100.0	55.4	17.6	0.8	0.0	30.5	43.3	43.5	-0.2
244.37	V	6.0	127.0	47.7	17.2	1.2	0.0	30.3	35.8	46.0	-10.2
326.49	V	130.0	129.0	47.8	18.6	1.5	0.0	30.2	37.7	46.0	-8.3
331.21	V	178.0	105.0	48.4	18.7	1.5	0.0	30.2	38.5	46.0	-7.5
407.35	V	158.0	100.0	36.1	21.0	1.8	0.0	30.0	29.1	46.0	-17.0
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

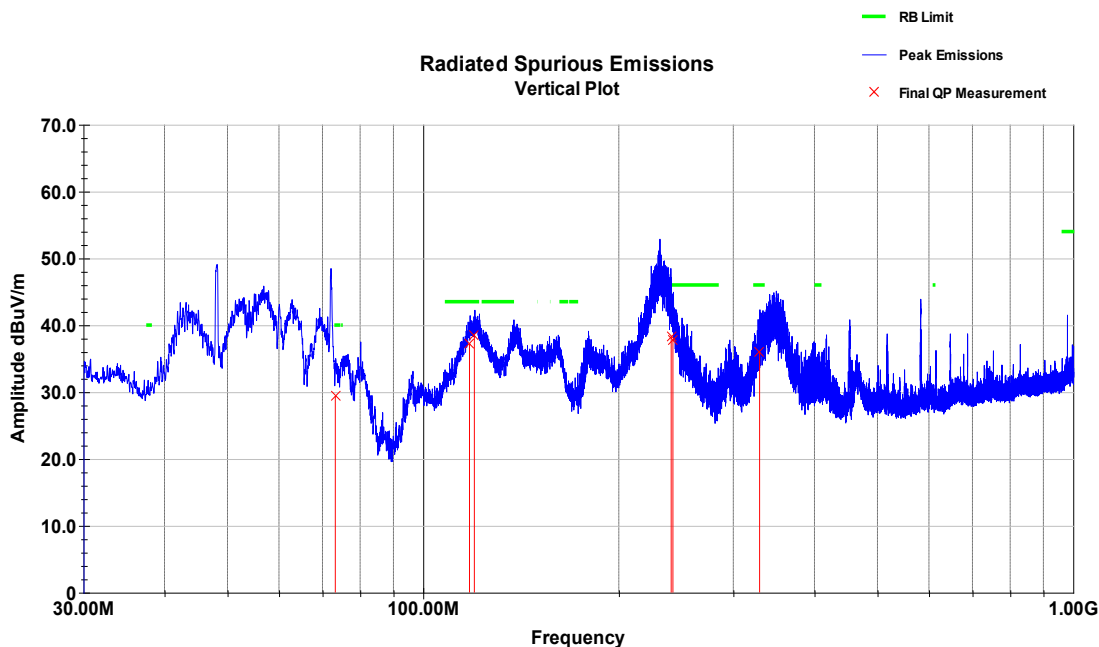
Plot Data - Low Channel (2402MHz)



Tabular Data – Low Channel (2402MHz)

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw QP dBuV/m	AF dB/m	Loss dB	DCF dB	Amp dB	Final QP dBuV/m	Limit dBuV/m	Margin dB
120.32	H	359.0	267.0	37.8	17.4	0.8	0.0	30.5	25.5	43.5	-18.0
126.78	H	359.0	165.0	49.1	17.6	0.8	0.0	30.5	37.1	43.5	-6.5
135.58	H	359.0	153.0	44.9	17.4	0.8	0.0	30.6	32.6	43.5	-10.9
162.91	H	359.0	150.0	44.9	15.6	1.0	0.0	30.5	31.1	43.5	-12.5
242.77	H	359.0	100.0	56.3	17.1	1.2	0.0	30.3	44.4	46.0	-1.6
330.54	H	359.0	100.0	39.3	18.7	1.5	0.0	30.2	29.4	46.0	-16.7
613.14	H	359.0	358.0	27.5	23.4	2.1	0.0	29.8	23.3	46.0	-22.8
978.93	H	359.0	103.0	25.7	26.5	2.6	0.0	28.7	26.0	54.0	-27.9
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

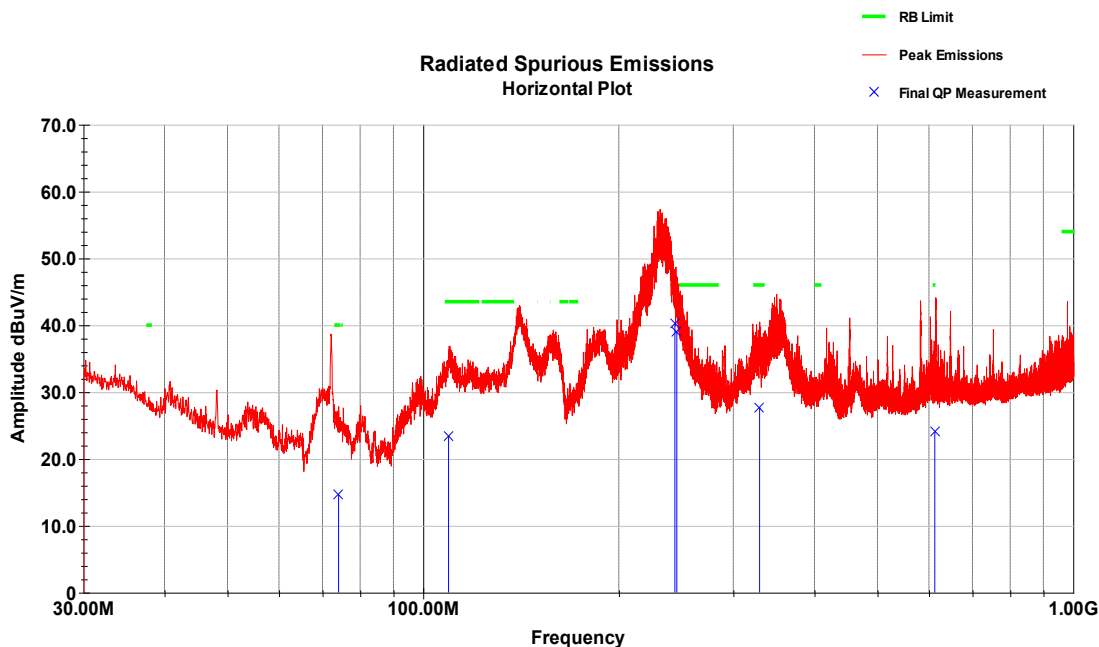
Plot Data - Middle Channel (2440MHz)



Tabular Data – Middle Channel (2440MHz)

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw QP dBuV/m	AF dB/m	Loss dB	DCF dB	Amp dB	Final QP dBuV/m	Limit dBuV/m	Margin dB
73.26	V	181.0	127.0	47.1	12.3	0.7	0.0	30.6	29.4	40.0	-10.6
117.86	V	147.0	100.0	49.7	17.2	0.8	0.0	30.5	37.2	43.5	-6.3
119.88	V	120.0	100.0	50.7	17.4	0.8	0.0	30.5	38.4	43.5	-5.1
240.76	V	0.0	127.0	50.3	17.1	1.2	0.0	30.3	38.4	46.0	-7.7
242.24	V	8.0	152.0	49.7	17.1	1.2	0.0	30.3	37.7	46.0	-8.3
329.33	V	161.0	104.0	46.0	18.6	1.5	0.0	30.2	36.0	46.0	-10.1
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

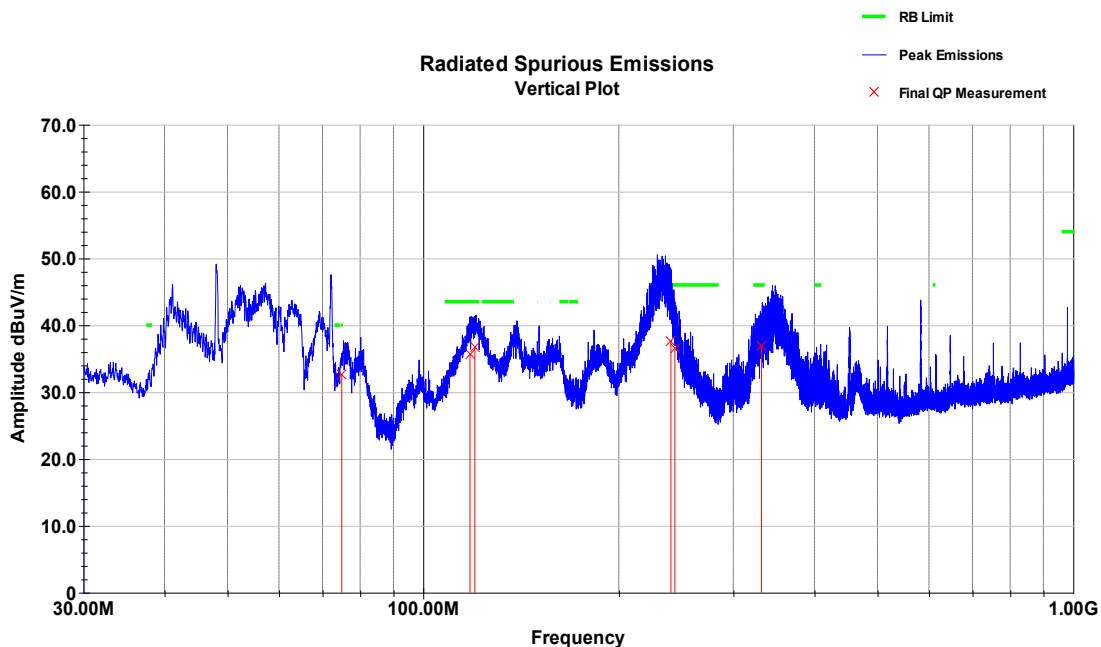
Plot Data - Middle Channel (2440MHz)



Tabular Data – Middle Channel (2440MHz)

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw QP dBuV/m	AF dB/m	Loss dB	DCF dB	Amp dB	Final QP dBuV/m	Limit dBuV/m	Margin dB
74.12	H	359.0	211.0	32.4	12.2	0.7	0.0	30.6	14.6	40.0	-25.4
109.41	H	359.0	270.0	36.7	16.4	0.8	0.0	30.6	23.5	43.5	-20.1
243.96	H	359.0	118.0	52.1	17.2	1.2	0.0	30.3	40.3	46.0	-5.8
245.61	H	359.0	100.0	50.9	17.2	1.3	0.0	30.3	39.1	46.0	-7.0
329.38	H	359.0	100.0	37.7	18.6	1.5	0.0	30.2	27.7	46.0	-18.3
612.61	H	359.0	223.0	28.3	23.4	2.1	0.0	29.8	24.1	46.0	-21.9
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

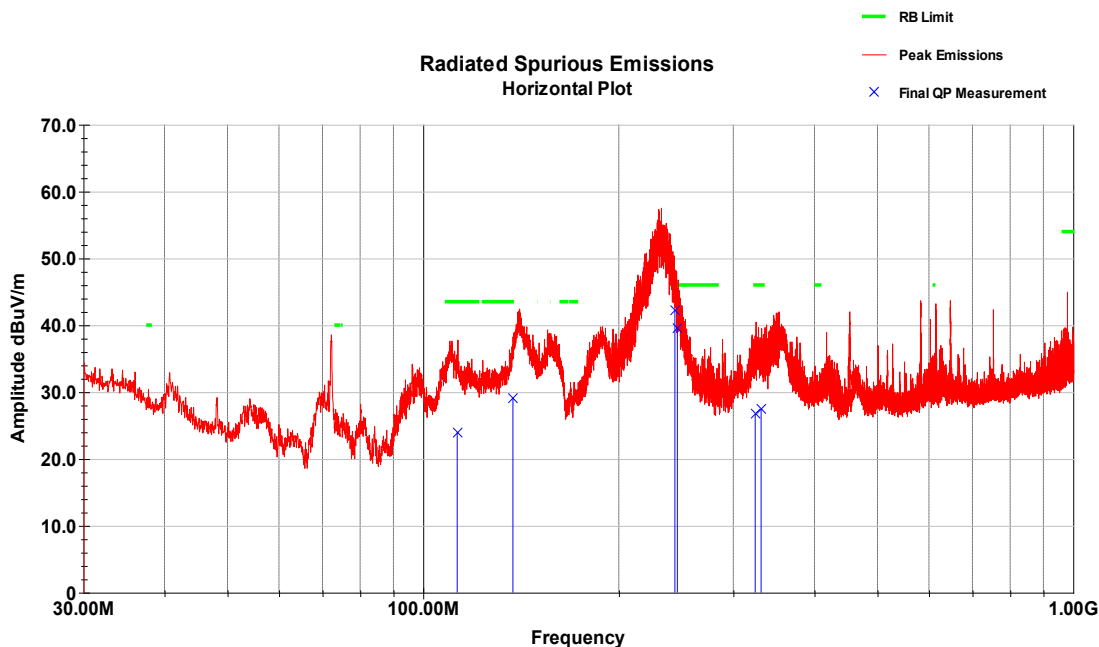
Plot Data - High Channel (2480MHz)



Tabular Data – High Channel (2480MHz)

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw QP dBuV/m	AF dB/m	Loss dB	DCF dB	Amp dB	Final QP dBuV/m	Limit dBuV/m	Margin dB
74.97	V	179.0	120.0	50.4	12.1	0.7	0.0	30.6	32.6	40.0	-7.4
118.05	V	295.0	100.0	48.1	17.2	0.8	0.0	30.5	35.7	43.5	-7.9
120.10	V	137.0	100.0	48.9	17.4	0.8	0.0	30.5	36.7	43.5	-6.9
240.51	V	355.0	105.0	49.7	17.1	1.2	0.0	30.3	37.7	46.0	-8.3
243.95	V	359.0	150.0	48.3	17.2	1.2	0.0	30.3	36.4	46.0	-9.6
331.44	V	199.0	104.0	46.7	18.7	1.5	0.0	30.2	36.8	46.0	-9.2
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Plot Data - High Channel (2480MHz)

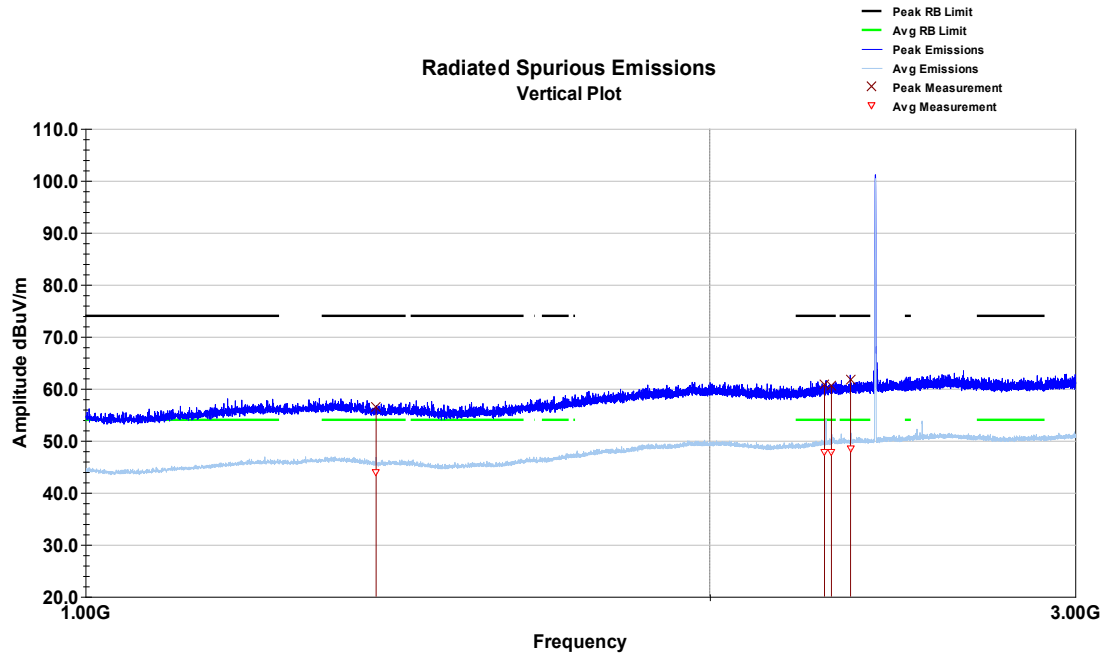


Tabular Data – High Channel (2480MHz)

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw QP dBuV/m	AF dB/m	Loss dB	DCF dB	Amp dB	Final QP dBuV/m	Limit dBuV/m	Margin dB
112.82	H	359.0	244.0	36.9	16.8	0.8	0.0	30.5	24.0	43.5	-19.5
137.45	H	359.0	105.0	41.5	17.3	0.8	0.0	30.6	29.1	43.5	-14.4
244.00	H	359.0	100.0	54.1	17.2	1.2	0.0	30.3	42.3	46.0	-3.8
246.04	H	359.0	100.0	51.4	17.2	1.3	0.0	30.3	39.6	46.0	-6.5
324.25	H	359.0	105.0	36.8	18.6	1.5	0.0	30.2	26.7	46.0	-19.3
331.08	H	359.0	104.0	37.4	18.7	1.5	0.0	30.2	27.5	46.0	-18.6
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

7.5.3 1-3 GHz

Plot Data – Low Channel (2402MHz)



Tabular Data – Low Channel (2402MHz)

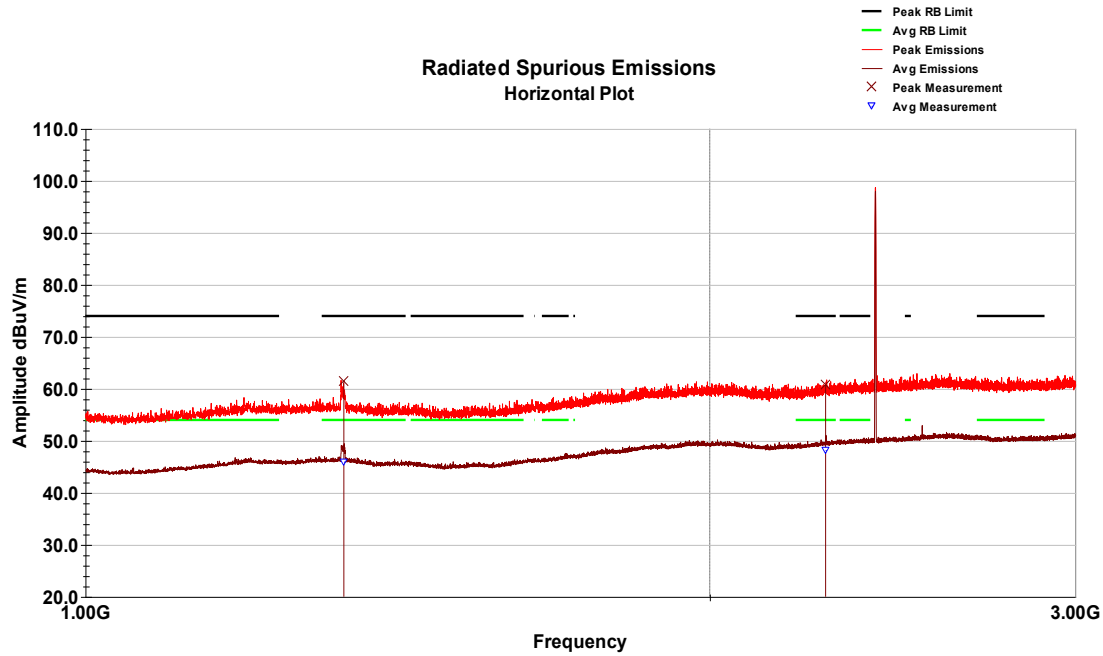
Peak

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
1381.05	V	56.0	162.0	49.5	28.3	1.4	0.0	42.9	56.4	74.0	-17.6
2271.46	V	339.0	387.0	49.5	31.7	1.9	0.0	42.6	60.7	74.0	-13.3
2289.13	V	0.0	104.0	49.2	31.8	1.9	0.0	42.5	60.5	74.0	-13.5
2338.17	V	230.0	235.0	50.1	31.9	1.9	0.0	42.4	61.7	74.0	-12.3
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											
Peak Value = Raw Peak + AF + Loss + DCF - Amp											
Margin = Peak Value - Limit											

Average

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
1381.05	V	56.0	162.0	37.0	28.3	1.4	0.0	42.9	43.9	54.0	-10.1
2271.46	V	339.0	387.0	36.6	31.7	1.9	0.0	42.6	47.7	54.0	-6.2
2289.13	V	0.0	104.0	36.5	31.8	1.9	0.0	42.5	47.9	54.0	-6.1
2338.17	V	230.0	235.0	36.8	31.9	1.9	0.0	42.4	48.4	54.0	-5.5
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											
Avg Value = Raw Avg + AF + Loss + DCF - Amp											
Margin = Avg Value - Limit											

Plot Data – Low Channel (2402MHz)



Tabular Data – Low Channel (2402MHz)

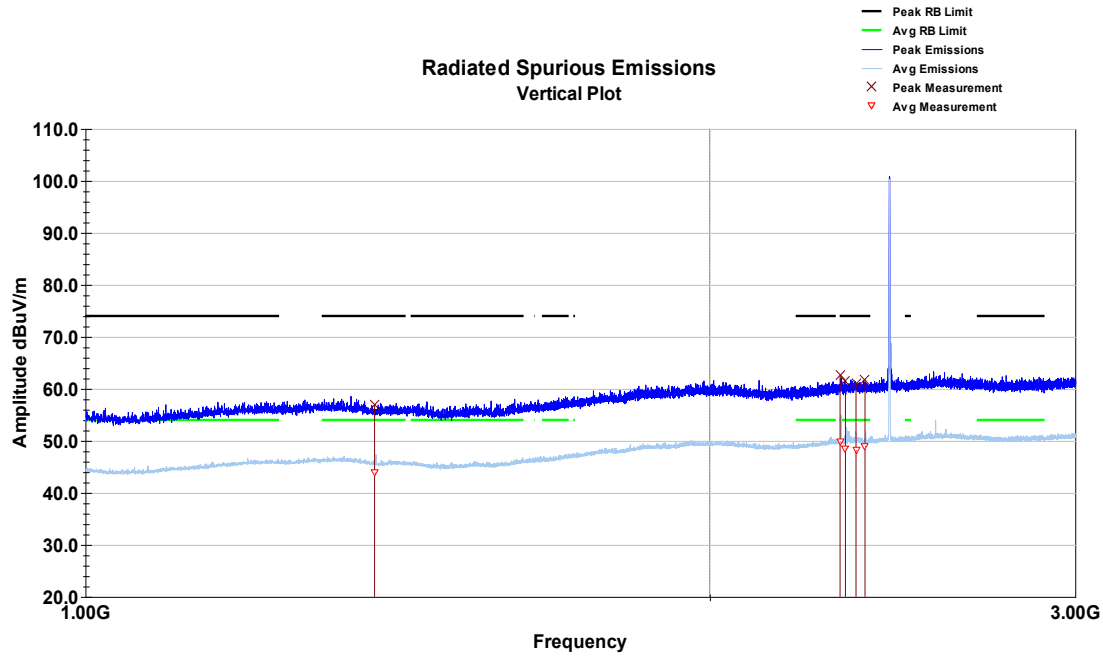
Peak

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
1332.35	H	230.0	115.0	54.2	28.8	1.4	0.0	42.9	61.6	74.0	-12.4
2274.31	H	32.0	165.0	49.5	31.7	1.9	0.0	42.6	60.7	74.0	-13.3
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											
Peak Value = Raw Peak + AF + Loss + DCF - Amp											
Margin = Peak Value - Limit											

Average

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
1332.35	H	230.0	115.0	38.6	28.8	1.4	0.0	42.9	46.0	54.0	-8.0
2274.31	H	32.0	165.0	37.0	31.7	1.9	0.0	42.6	48.2	54.0	-5.8
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											
Avg Value = Raw Avg + AF + Loss + DCF - Amp											
Margin = Avg Value - Limit											

Plot Data – Middle Channel (2440MHz)



Tabular Data – Middle Channel (2440MHz)

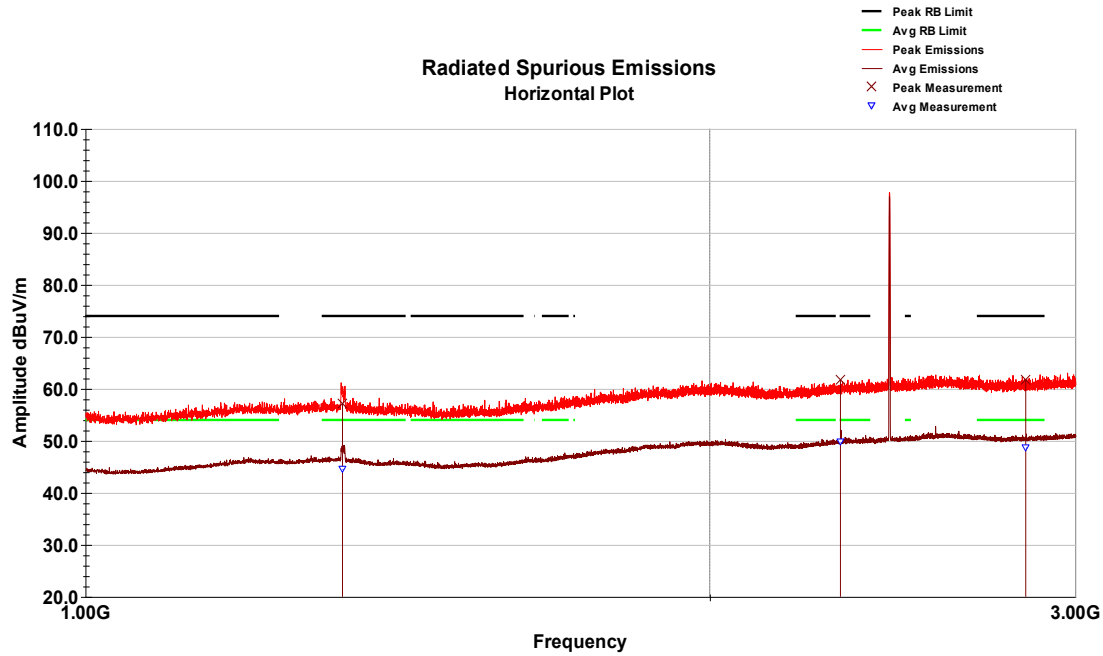
Peak

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
1378.60	V	284.0	365.0	50.1	28.3	1.4	0.0	42.9	57.0	74.0	-17.0
2311.24	V	249.0	224.0	51.2	31.9	1.9	0.0	42.5	62.6	74.0	-11.4
2324.97	V	272.0	155.0	50.0	31.9	1.9	0.0	42.4	61.5	74.0	-12.5
2352.39	V	298.0	105.0	49.4	31.9	1.9	0.0	42.4	61.1	74.0	-12.9
2375.92	V	48.0	145.0	50.0	32.0	1.9	0.0	42.4	61.7	74.0	-12.3
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											
Margin = Peak Value - Limit											

Average

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
1378.60	V	284.0	365.0	37.0	28.3	1.4	0.0	42.9	43.9	54.0	-10.1
2311.24	V	249.0	224.0	38.4	31.9	1.9	0.0	42.5	49.9	54.0	-4.1
2324.97	V	272.0	155.0	37.0	31.9	1.9	0.0	42.4	48.5	54.0	-5.4
2352.39	V	298.0	105.0	36.5	31.9	1.9	0.0	42.4	48.2	54.0	-5.8
2375.92	V	48.0	145.0	37.3	32.0	1.9	0.0	42.4	49.0	54.0	-5.0
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											
Margin = Avg Value - Limit											

Plot Data – Middle Channel (2440MHz)



Tabular Data – Middle Channel (2440MHz)

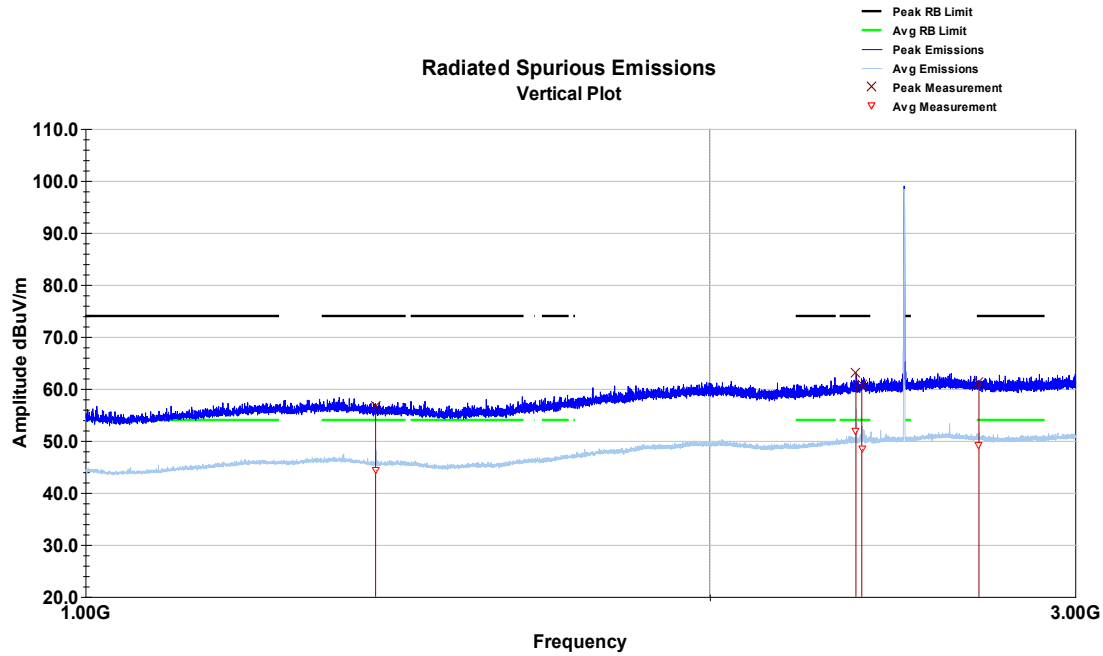
Peak

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
1330.31	H	0.0	316.0	49.8	28.8	1.4	0.0	42.9	57.2	74.0	-16.8
2312.08	H	0.0	355.0	50.3	31.9	1.9	0.0	42.5	61.8	74.0	-12.2
2839.99	H	0.0	100.0	49.4	32.1	2.1	0.0	42.1	61.8	74.0	-12.2
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											
Peak Value = Raw Peak + AF + Loss + DCF - Amp											
Margin = Peak Value - Limit											

Average

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
1330.31	H	0.0	316.0	37.2	28.8	1.4	0.0	42.9	44.6	54.0	-9.4
2312.08	H	0.0	355.0	38.2	31.9	1.9	0.0	42.5	49.7	54.0	-4.3
2839.99	H	0.0	100.0	36.3	32.1	2.1	0.0	42.1	48.7	54.0	-5.3
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											
Avg Value = Raw Avg + AF + Loss + DCF - Amp											
Margin = Avg Value - Limit											

Plot Data – High Channel (2480MHz)



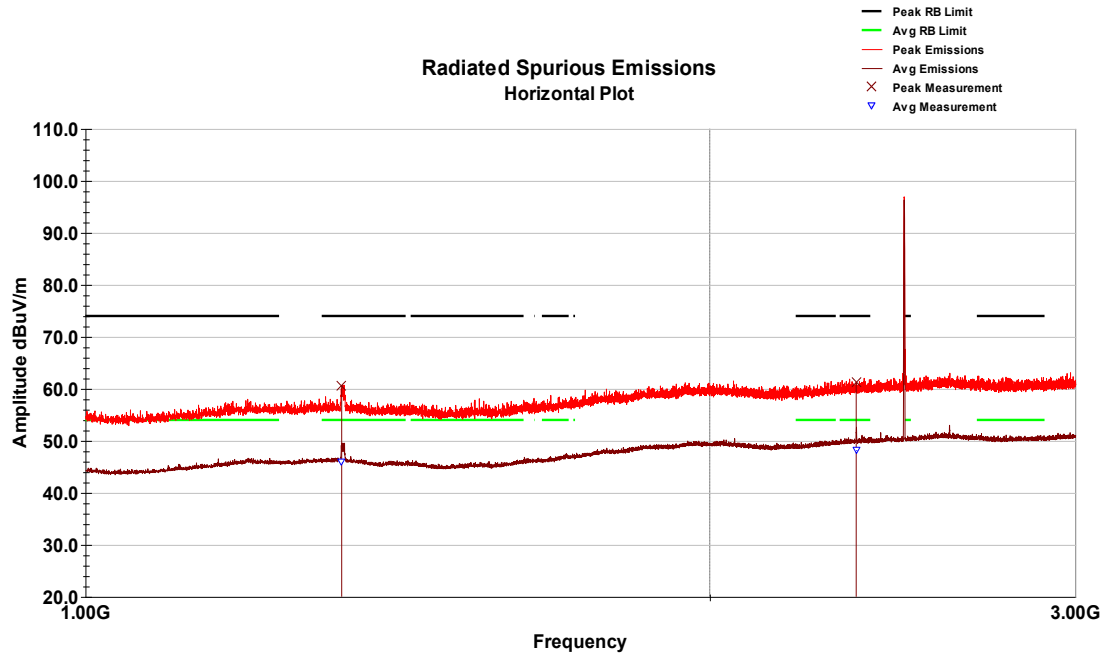
Tabular Data – High Channel (2480MHz) Peak

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
1380.15	V	225.0	305.0	49.7	28.3	1.4	0.0	42.9	56.6	74.0	-17.4
2352.12	V	256.0	357.0	51.4	31.9	1.9	0.0	42.4	63.1	74.0	-10.9
2367.47	V	202.0	123.0	49.1	32.0	1.9	0.0	42.4	60.8	74.0	-13.2
2696.22	V	274.0	100.0	48.8	32.3	2.1	0.0	42.2	61.2	74.0	-12.8
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											
Peak Value = Raw Peak + AF + Loss + DCF - Amp											
Margin = Peak Value - Limit											

Average

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
1380.15	V	225.0	305.0	37.6	28.3	1.4	0.0	42.9	44.4	54.0	-9.5
2352.12	V	256.0	357.0	40.2	31.9	1.9	0.0	42.4	51.8	54.0	-2.1
2367.47	V	202.0	123.0	36.7	32.0	1.9	0.0	42.4	48.4	54.0	-5.5
2696.22	V	274.0	100.0	36.7	32.3	2.1	0.0	42.2	49.1	54.0	-4.9
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											
Avg Value = Raw Avg + AF + Loss + DCF - Amp											
Margin = Avg Value - Limit											

Plot Data – High Channel (2480MHz)



Tabular Data – High Channel (2480MHz) Peak

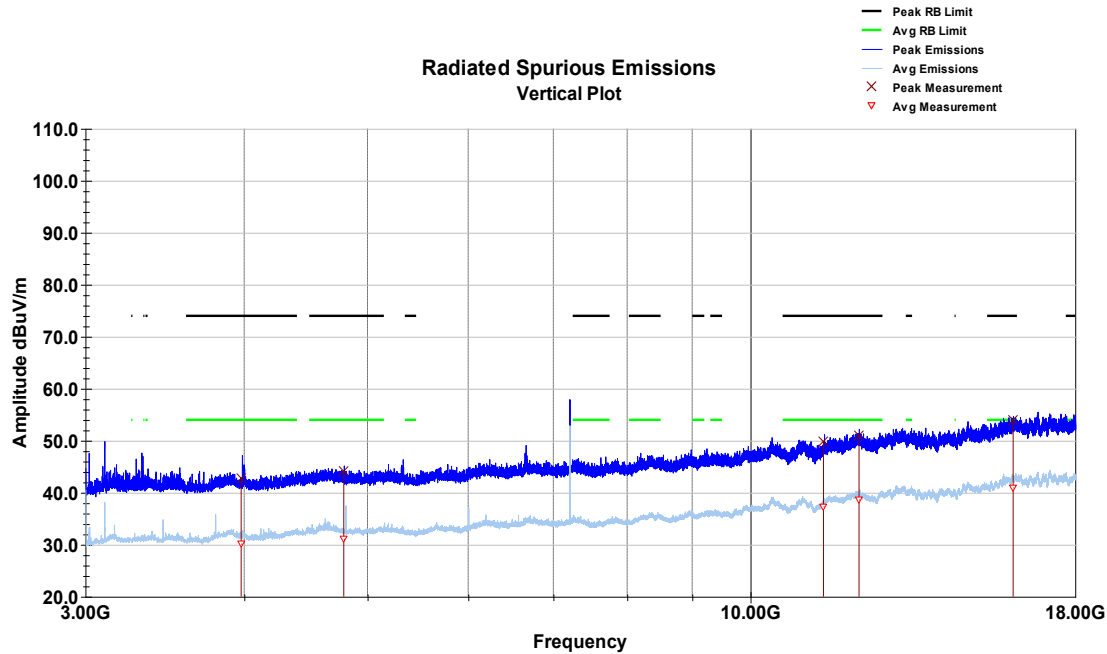
Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
1329.28	H	189.0	212.0	53.3	28.8	1.4	0.0	42.9	60.6	74.0	-13.4
2352.78	H	171.0	298.0	49.5	31.9	1.9	0.0	42.4	61.2	74.0	-12.8
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											
Peak Value = Raw Peak + AF + Loss + DCF - Amp											
Margin = Peak Value - Limit											

Average

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
1329.28	H	189.0	212.0	38.5	28.8	1.4	0.0	42.9	45.8	54.0	-8.1
2352.78	H	171.0	298.0	36.5	31.9	1.9	0.0	42.4	48.2	54.0	-5.8
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											
Avg Value = Raw Avg + AF + Loss + DCF - Amp											
Margin = Avg Value - Limit											

7.5.4 3-18 GHz

Plot Data – Low Channel (2402MHz)



Tabular Data – Low Channel (2402MHz)

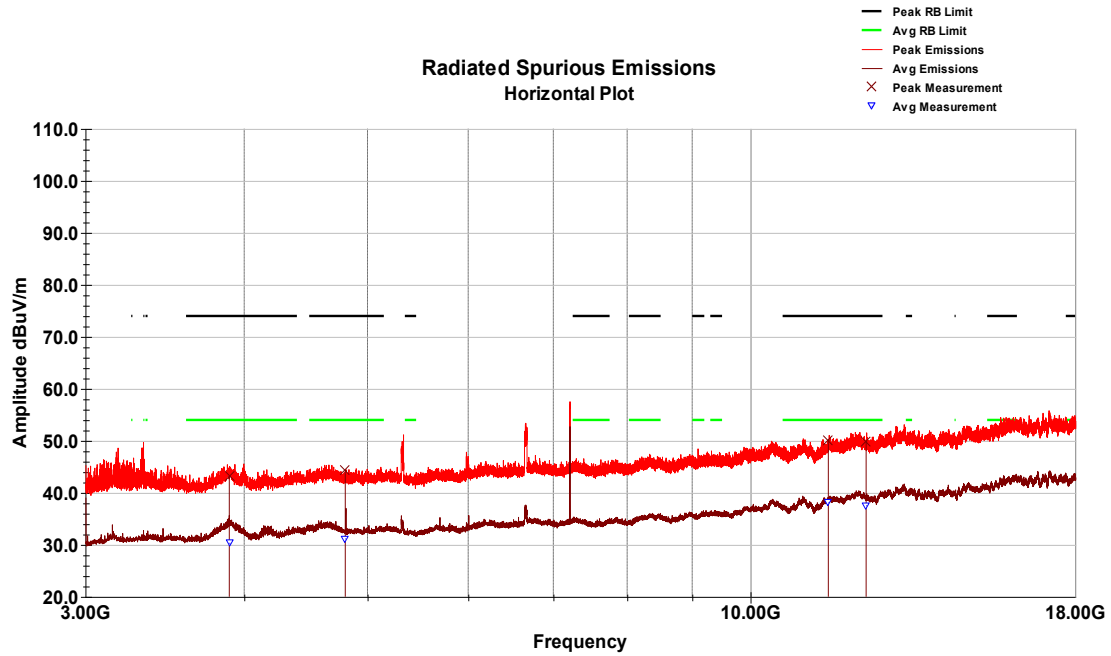
Peak

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
3978.09	V	235.0	253.0	49.0	33.3	2.6	0.0	42.3	42.7	74.0	-31.3
4790.15	V	96.0	303.0	49.2	33.9	2.8	0.0	42.3	44.1	74.0	-29.9
11414.37	V	95.0	144.0	49.4	38.7	4.2	0.0	42.0	49.8	74.0	-24.2
12171.97	V	295.0	207.0	49.3	39.2	4.4	0.0	41.7	51.0	74.0	-23.0
16089.43	V	166.0	318.0	48.6	40.9	5.1	0.0	40.7	53.9	74.0	-20.1
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											
Margin = Peak Value - Limit											

Average

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
3978.09	V	235.0	253.0	36.5	33.3	2.6	0.0	42.3	30.2	54.0	-23.8
4790.15	V	96.0	303.0	36.3	33.9	2.8	0.0	42.3	31.1	54.0	-22.9
11414.37	V	95.0	144.0	36.9	38.7	4.2	0.0	42.0	37.4	54.0	-16.6
12171.97	V	295.0	207.0	36.9	39.2	4.4	0.0	41.7	38.7	54.0	-15.3
16089.43	V	166.0	318.0	35.8	40.9	5.1	0.0	40.7	41.0	54.0	-13.0
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											
Margin = Avg Value - Limit											

Plot Data – Low Channel (2402MHz)



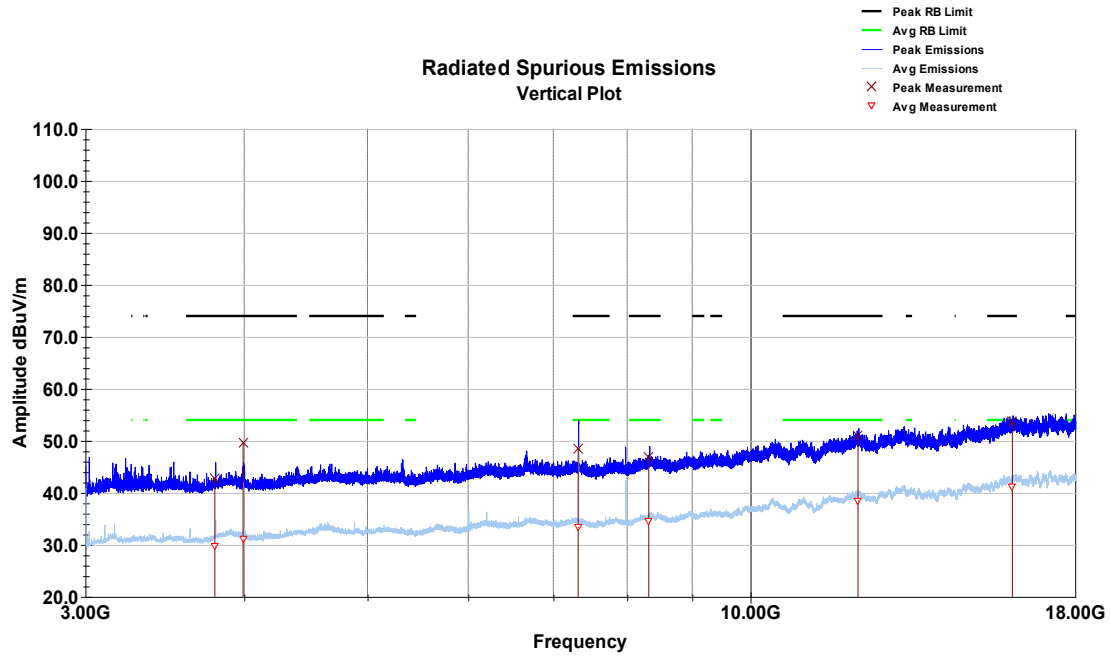
Tabular Data – Low Channel (2402MHz) Peak

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
3893.39	H	0.0	335.0	49.4	33.2	2.5	0.0	42.3	43.2	74.0	-30.8
4802.60	H	0.0	192.0	49.6	34.0	2.7	0.0	42.3	44.4	74.0	-29.6
11514.94	H	0.0	126.0	49.5	38.8	4.3	0.0	41.9	50.2	74.0	-23.8
12331.00	H	0.0	157.0	48.1	39.1	4.4	0.0	41.7	49.9	74.0	-24.1
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											
Peak Value = Raw Peak + AF + Loss + DCF - Amp											
Margin = Peak Value - Limit											

Average

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
3893.39	H	0.0	335.0	36.7	33.2	2.5	0.0	42.3	30.4	54.0	-23.6
4802.60	H	0.0	192.0	36.4	34.0	2.7	0.0	42.3	31.2	54.0	-22.7
11514.94	H	0.0	126.0	37.5	38.8	4.3	0.0	41.9	38.2	54.0	-15.8
12331.00	H	0.0	157.0	35.8	39.1	4.4	0.0	41.7	37.6	54.0	-16.4
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											
Avg Value = Raw Avg + AF + Loss + DCF - Amp											
Margin = Avg Value - Limit											

Plot Data – Middle Channel (2440MHz)



Tabular Data – Middle Channel (2440MHz)

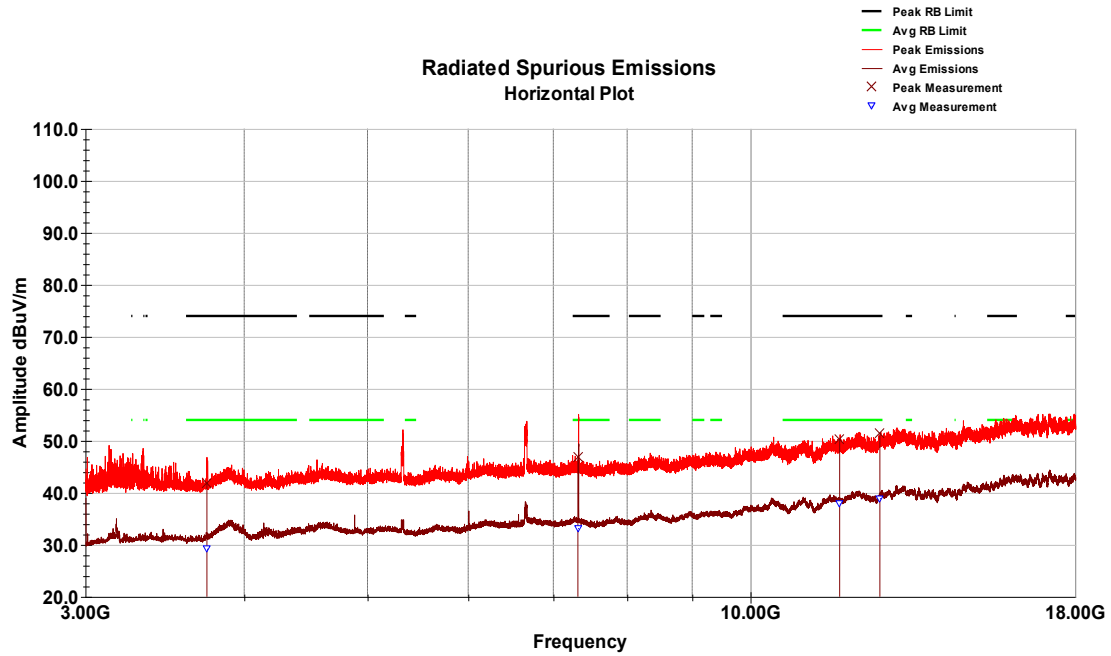
Peak

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
3792.80	V	209.0	125.0	48.9	33.2	2.5	0.0	42.1	42.7	74.0	-31.3
3991.37	V	149.0	115.0	55.8	33.3	2.6	0.0	42.3	49.5	74.0	-24.5
7321.86	V	171.0	125.0	51.6	35.7	3.2	0.0	42.0	48.6	74.0	-25.4
8319.68	V	236.0	326.0	49.1	35.9	3.5	0.0	41.9	46.8	74.0	-27.2
12150.87	V	71.0	132.0	49.3	39.2	4.3	0.0	41.7	50.9	74.0	-23.1
16065.59	V	1.0	135.0	48.2	40.9	5.0	0.0	40.5	53.7	74.0	-20.3
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											

Average

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
3792.80	V	209.0	125.0	36.1	33.2	2.5	0.0	42.1	29.8	54.0	-24.1
3991.37	V	149.0	115.0	37.4	33.3	2.6	0.0	42.3	31.1	54.0	-22.9
7321.86	V	171.0	125.0	36.5	35.7	3.2	0.0	42.0	33.4	54.0	-20.5
8319.68	V	236.0	326.0	36.8	35.9	3.5	0.0	41.9	34.4	54.0	-19.5
12150.87	V	71.0	132.0	36.9	39.2	4.3	0.0	41.7	38.5	54.0	-15.4
16065.59	V	1.0	135.0	35.9	40.9	5.0	0.0	40.5	41.3	54.0	-12.7
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											

Plot Data – Middle Channel (2440MHz)



Tabular Data – Middle Channel (2440MHz)

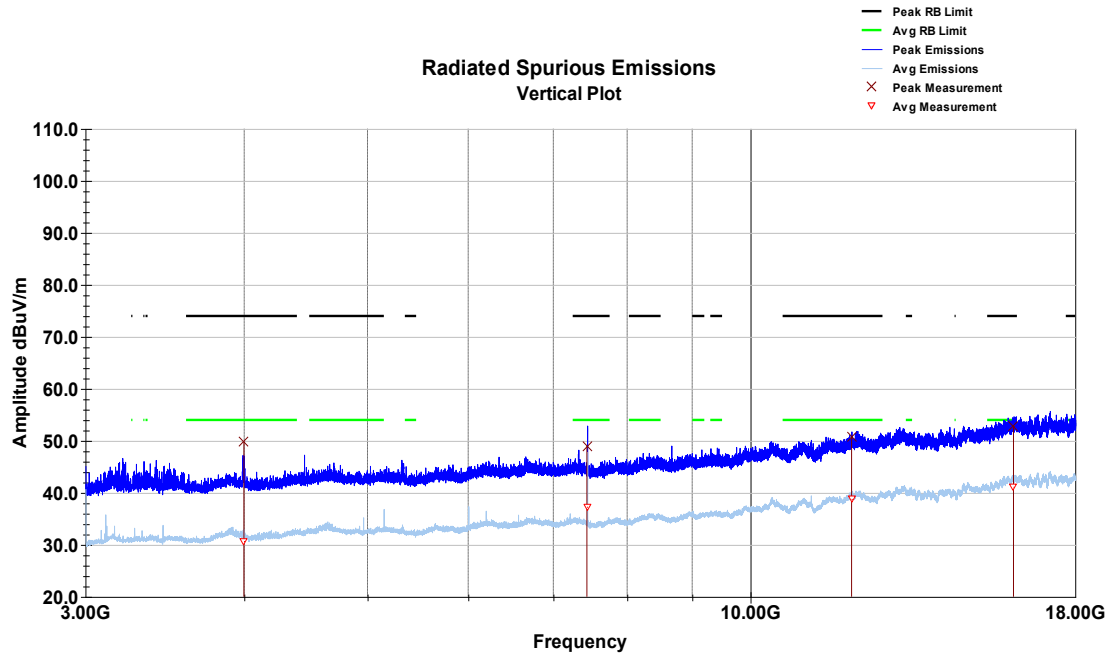
Peak

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
3739.02	H	0.0	128.0	48.4	33.2	2.5	0.0	42.1	41.9	74.0	-32.1
7317.58	H	0.0	316.0	50.0	35.7	3.2	0.0	42.0	46.9	74.0	-27.1
11752.61	H	0.0	385.0	49.2	39.1	4.3	0.0	41.9	50.3	74.0	-23.7
12640.17	H	0.0	174.0	49.3	39.3	4.6	0.0	41.8	51.5	74.0	-22.5
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											
Peak Value = Raw Peak + AF + Loss + DCF - Amp											
Margin = Peak Value - Limit											

Average

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
3739.02	H	0.0	128.0	35.7	33.2	2.5	0.0	42.1	29.2	54.0	-24.7
7317.58	H	0.0	316.0	36.3	35.7	3.2	0.0	42.0	33.2	54.0	-20.8
11752.61	H	0.0	385.0	36.8	39.1	4.3	0.0	41.9	37.9	54.0	-16.0
12640.17	H	0.0	174.0	36.8	39.3	4.6	0.0	41.8	39.0	54.0	-15.0
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											
Avg Value = Raw Avg + AF + Loss + DCF - Amp											
Margin = Avg Value - Limit											

Plot Data – High Channel (2480MHz)



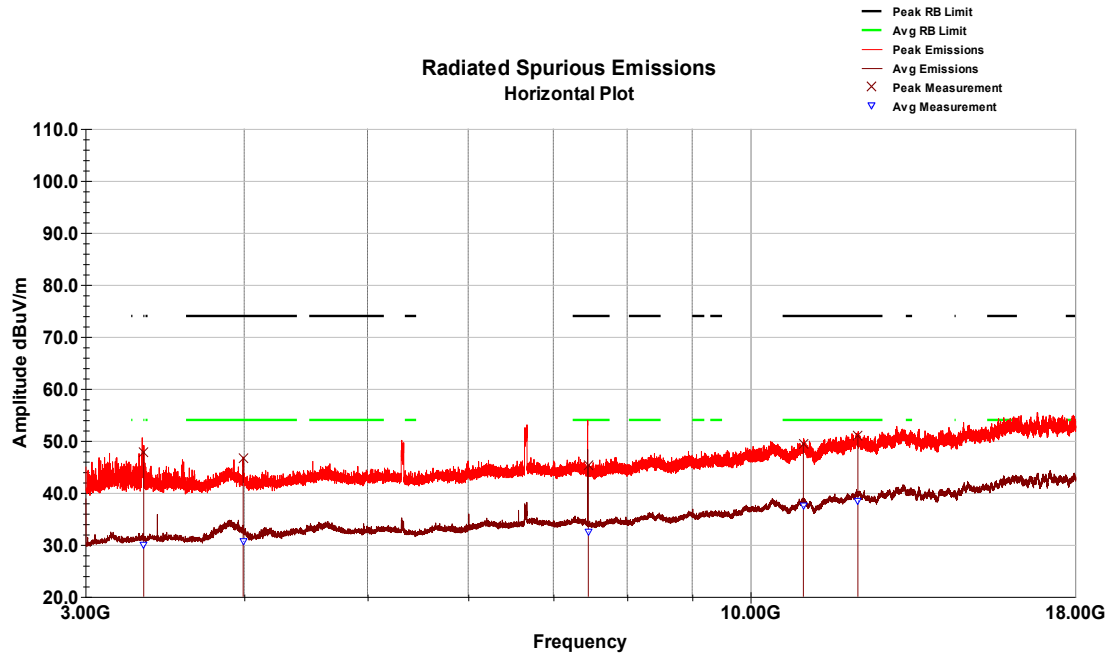
Tabular Data – High Channel (2480MHz) Peak

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
3997.90	V	151.0	132.0	56.1	33.3	2.6	0.0	42.3	49.8	74.0	-24.2
7438.31	V	347.0	105.0	52.1	35.7	3.2	0.0	42.0	49.0	74.0	-25.0
12010.21	V	8.0	400.0	48.9	39.1	4.6	0.0	41.8	50.7	74.0	-23.3
16100.43	V	224.0	305.0	47.7	40.9	5.1	0.0	40.8	52.9	74.0	-21.1
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											
Peak Value = Raw Peak + AF + Loss + DCF - Amp											
Margin = Peak Value - Limit											

Average

Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
3997.90	V	151.0	132.0	37.0	33.3	2.6	0.0	42.3	30.7	54.0	-23.3
7438.31	V	347.0	105.0	40.4	35.7	3.2	0.0	42.0	37.3	54.0	-16.7
12010.21	V	8.0	400.0	37.1	39.1	4.6	0.0	41.8	38.8	54.0	-15.2
16100.43	V	224.0	305.0	36.0	40.9	5.1	0.0	40.8	41.2	54.0	-12.8
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											
Avg Value = Raw Avg + AF + Loss + DCF - Amp											
Margin = Avg Value - Limit											

Plot Data – High Channel (2480MHz)



Tabular Data – High Channel (2480MHz) Peak

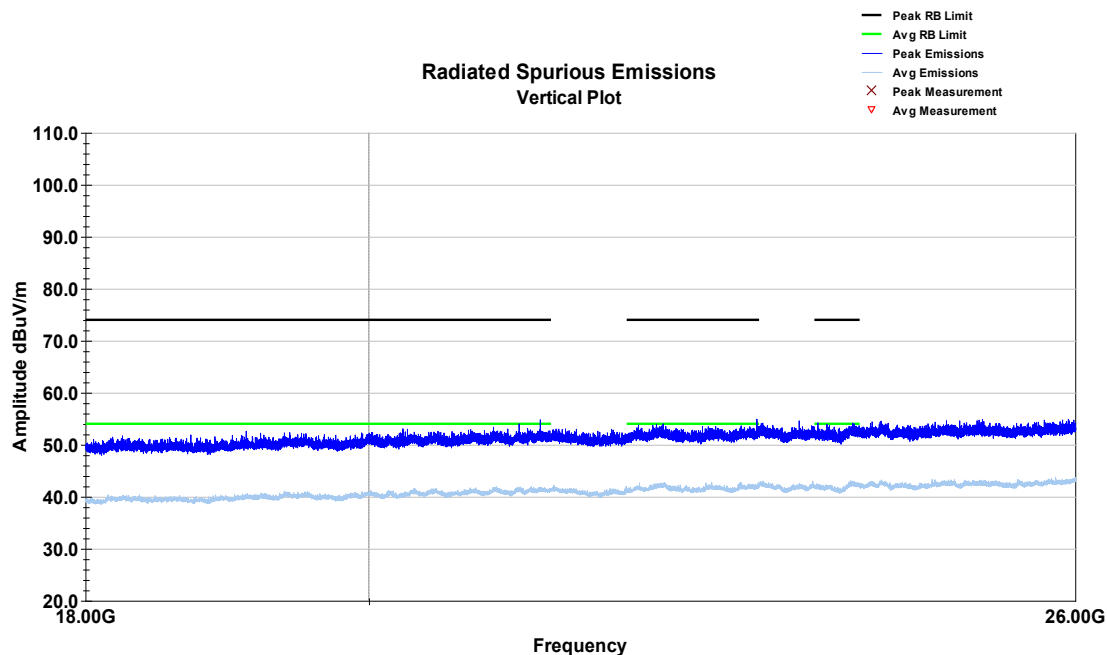
Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Pk dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Pk dBuV/m	Limit dBuV/m	Margin dB
3334.87	H	186.0	224.0	54.7	32.7	2.4	0.0	42.1	47.8	74.0	-26.2
3992.45	H	158.0	147.0	52.9	33.3	2.6	0.0	42.3	46.6	74.0	-27.4
7456.91	H	0.0	215.0	48.3	35.7	3.2	0.0	42.0	45.2	74.0	-28.8
11007.22	H	0.0	167.0	49.7	38.4	4.0	0.0	42.3	49.5	74.0	-24.5
12148.05	H	0.0	125.0	49.4	39.2	4.3	0.0	41.7	51.0	74.0	-23.0
Final Pk = Raw Pk + AF + Loss + DCF - Amp											
Margin = Final Pk - Limit											
Margin = Peak Value - Limit											

Average

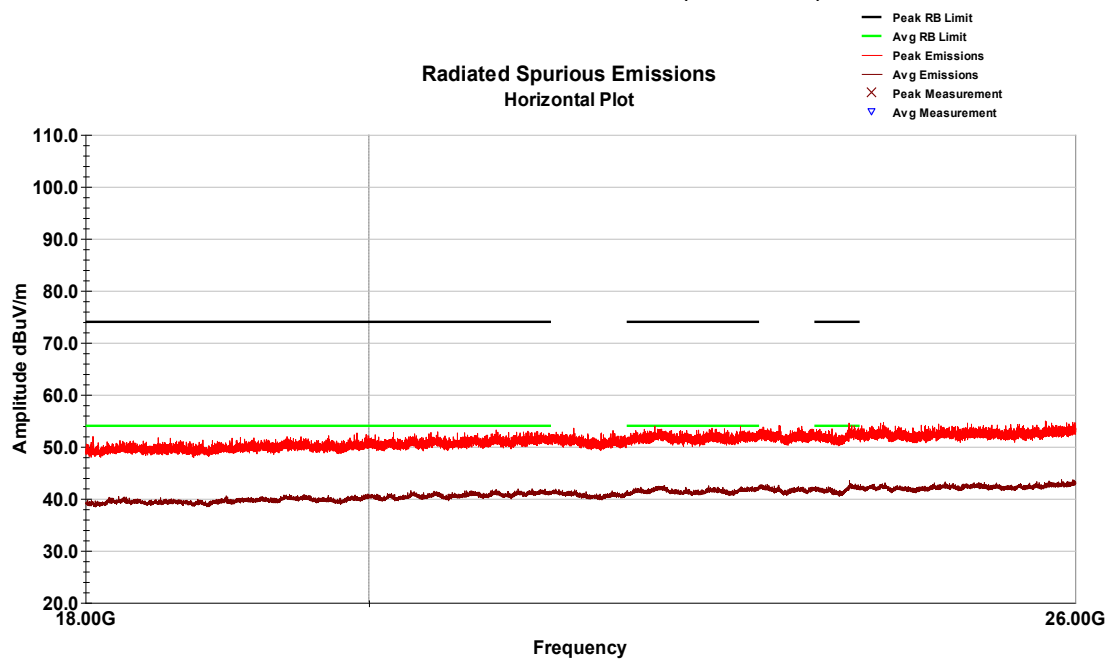
Frequency MHz	Polarity V/H	Azimuth degrees	Height cm	Raw Avg dBuV	AF dB/m	Loss dB	DCF dB	Amp dB	Final Avg dBuV/m	Limit dBuV/m	Margin dB
3334.87	H	186.0	224.0	36.8	32.7	2.4	0.0	42.1	29.9	54.0	-24.1
3992.45	H	158.0	147.0	37.1	33.3	2.6	0.0	42.3	30.8	54.0	-23.2
7456.91	H	0.0	215.0	35.6	35.7	3.2	0.0	42.0	32.6	54.0	-21.4
11007.22	H	0.0	167.0	37.7	38.4	4.0	0.0	42.3	37.5	54.0	-16.5
12148.05	H	0.0	125.0	36.9	39.2	4.3	0.0	41.7	38.5	54.0	-15.5
Final Avg = Raw Avg + AF + Loss + DCF - Amp											
Margin = Final Avg - Limit											
Margin = Avg Value - Limit											

7.5.5 18-26 GHz

Plot Data – Middle Channel (2440MHz)



Plot Data – Middle Channel (2440MHz)



This frequency range does not show any significant difference between different technology, channels and/or orientation. No emissions within 6db of the Restricted Band limit.

8 Radiated Emissions at Band Edge / Restricted Bands

8.1 Test Result

Test Description	Test Specification	Test Result
Radiated Emissions at Band Edge / Restricted Bands	ANSI C63.10 15.205, 15.209 RSS-GEN 8.9, 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 method following the procedures in ANSI C63.10 section 6.10.5 (see footnote 57 for conducted testing provision).

8.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 24.31 °C
 Relative Humidity: 47.5 %
 Atmospheric Pressure: 97.9 kPa

8.4 Test Equipment

Test End Date: 24-Apr-2026

Tester: SGM

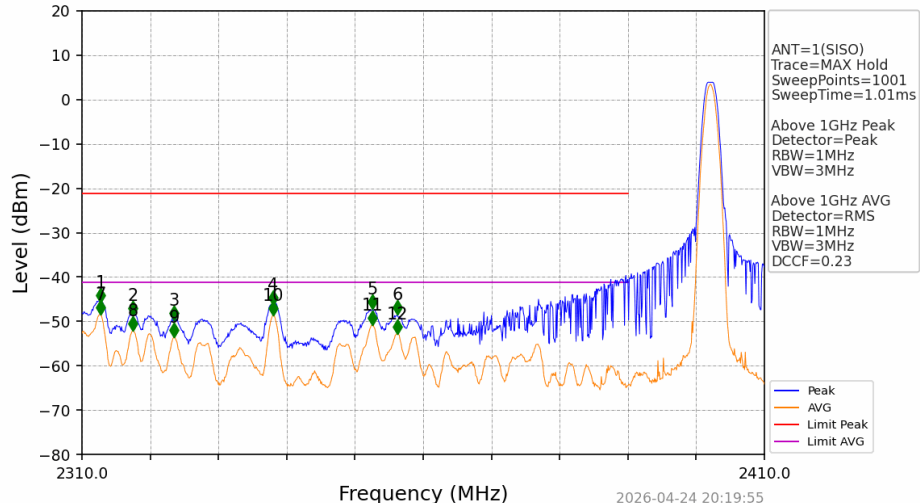
Equipment	Model	Manufacturer	Asset	Cal Date	Cal Due Date
TSTPASS Switchbox	SB2	TSTPASS	23009	4-Apr-2025	24-May-2026
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20109	20-Apr-2026	19-Apr-2027

Software Profile:

TSTPASS Version: 2.0.1

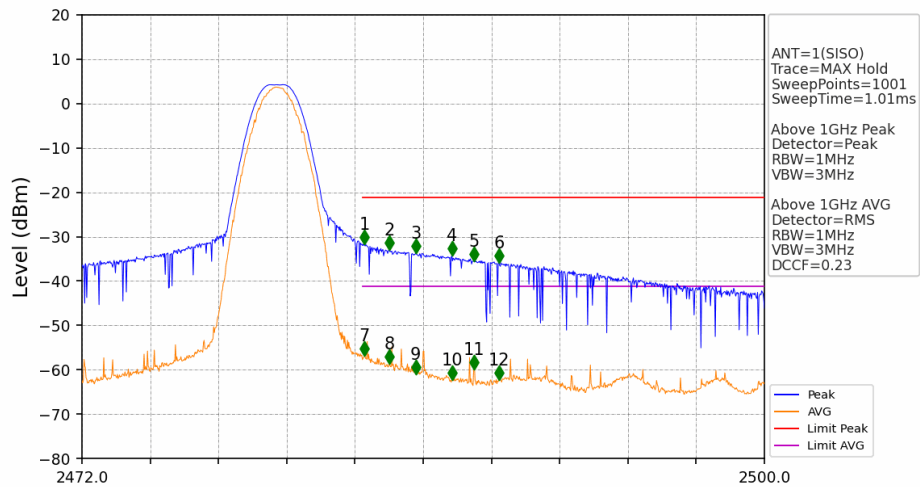
8.5 Test Data – Restricted Band Edge

1M_LCH_2402MHz_Ant1_NTNV



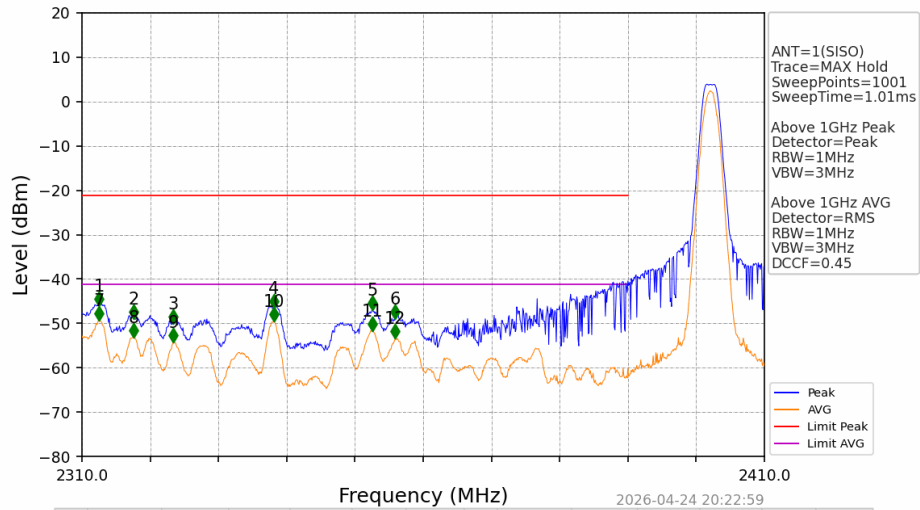
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2312.700	-45.65	-21.20	24.45	Pass	Peak	7	2312.700	-48.39	-41.20	7.19	Pass	AVG
2	2317.500	-48.55	-21.20	27.35	Pass	Peak	8	2317.500	-52.04	-41.20	10.84	Pass	AVG
3	2323.500	-49.64	-21.20	28.44	Pass	Peak	9	2323.500	-53.60	-41.20	12.40	Pass	AVG
4	2338.000	-46.32	-21.20	25.12	Pass	Peak	10	2338.000	-48.59	-41.20	7.39	Pass	AVG
5	2352.600	-47.12	-21.20	25.92	Pass	Peak	11	2352.600	-50.78	-41.20	9.58	Pass	AVG
6	2356.200	-48.50	-21.20	27.30	Pass	Peak	12	2356.200	-52.83	-41.20	11.63	Pass	AVG

1M_HCH_2480MHz_Ant1_NTNV



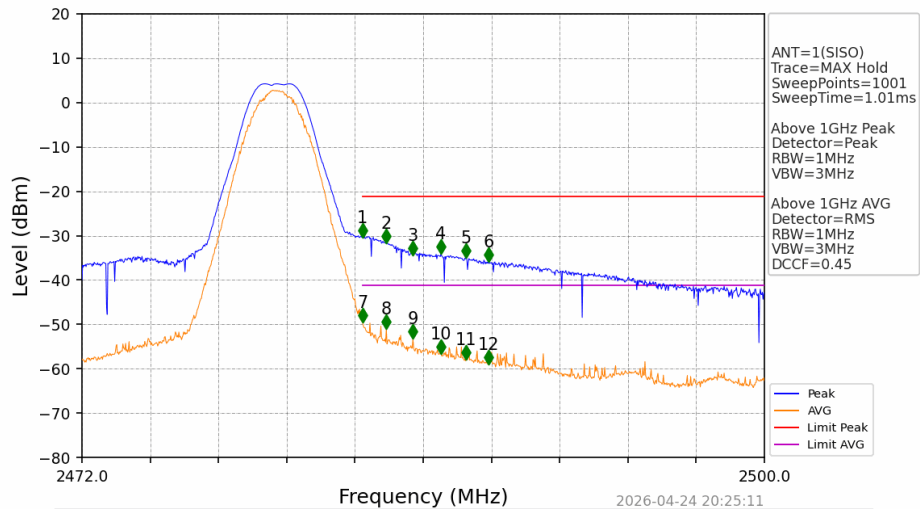
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2483.592	-31.62	-21.20	10.42	Pass	Peak	7	2483.592	-56.86	-41.20	15.66	Pass	AVG
2	2484.600	-32.90	-21.20	11.70	Pass	Peak	8	2484.600	-58.59	-41.20	17.39	Pass	AVG
3	2485.692	-33.61	-21.20	12.41	Pass	Peak	9	2485.692	-61.01	-41.20	19.81	Pass	AVG
4	2487.176	-34.27	-21.20	13.07	Pass	Peak	10	2487.176	-62.28	-41.20	21.08	Pass	AVG
5	2488.072	-35.45	-21.20	14.25	Pass	Peak	11	2488.072	-59.98	-41.20	18.78	Pass	AVG
6	2489.108	-35.87	-21.20	14.67	Pass	Peak	12	2489.108	-62.25	-41.20	21.05	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	2312.500	-46.01	-21.20	24.81	Pass	Peak	7	2312.500	-49.30	-41.20	8.10	Pass	AVG
2	2317.600	-48.98	-21.20	27.78	Pass	Peak	8	2317.600	-53.11	-41.20	11.91	Pass	AVG
3	2323.400	-49.99	-21.20	28.79	Pass	Peak	9	2323.400	-54.23	-41.20	13.03	Pass	AVG
4	2338.100	-46.62	-21.20	25.42	Pass	Peak	10	2338.100	-49.51	-41.20	8.31	Pass	AVG
5	2352.500	-46.95	-21.20	25.75	Pass	Peak	11	2352.500	-51.67	-41.20	10.47	Pass	AVG
6	2355.900	-49.03	-21.20	27.83	Pass	Peak	12	2355.900	-53.42	-41.20	12.22	Pass	AVG

2M_HCH_2480MHz_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	2483.508	-30.44	-21.20	9.24	Pass	Peak	7	2483.508	-49.47	-41.20	8.27	Pass	AVG
2	2484.488	-31.71	-21.20	10.51	Pass	Peak	8	2484.488	-51.04	-41.20	9.84	Pass	AVG
3	2485.580	-34.36	-21.20	13.16	Pass	Peak	9	2485.580	-53.17	-41.20	11.97	Pass	AVG
4	2486.728	-34.12	-21.20	12.92	Pass	Peak	10	2486.728	-56.58	-41.20	15.38	Pass	AVG
5	2487.764	-34.88	-21.20	13.68	Pass	Peak	11	2487.764	-57.95	-41.20	16.75	Pass	AVG
6	2488.688	-35.82	-21.20	14.62	Pass	Peak	12	2488.688	-58.98	-41.20	17.78	Pass	AVG

9 Intentional Radiator Antenna Requirement

9.1 Result

Test Description	Test Specification	Test Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.203	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 Antenna on this device is an external antenna with a reverse SMA connector.

10 Conducted Emissions

10.1 Test Result

Test Description	Classification	Basic Standards	Test Result
Conducted Emissions	Class A	FCC / ISSED	Compliant

10.2 Test Method

With the receiver's Resolution Bandwidth (RBW) set to 10 kHz, exploratory scans were performed over the measuring frequency range (0.15MHz to 30MHz) using a max hold mode incorporating a Peak detector and using the TILE! software. The final test data was measured using a 9kHz RBW in conjunction with a Quasi-Peak detector and Average detector and compared against the limits indicated in the table below.

Frequency Range	Class A Limits (dBµV)	Class B Limits (dBµV)
0.15 to 0.5 MHz	Avg 66 QP 79	Avg 56 to 46 QP 66 to 56
0.5 to 5 MHz	Avg 60 QP 73	Avg 46 Pk 56
5 to 30 MHz	Avg 60 QP 73	Avg 50 Pk 60

10.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 23.9 °C

Relative Humidity: 30.6 %

Atmospheric Pressure: 98.42 kPa

10.4 Test Equipment

Test End Date: 9-Nov-2021

Tester: ZH

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
EMI TEST RECEIVER	ESU8	ROHDE & SCHWARZ	B085759	9-Jul-2021	9-Jul-2022
LINE IMPEDANCE STABILIZATION NETWORK	NNB 51	TESEQ	B087573	5-Apr-2021	5-Apr-2022
RF CABLE	UC-N-MM-78	MAURY MICROWAVE	17016	25-Aug-2021	25-Aug-2022

Note: Refer to equipment list for calibration intervals.

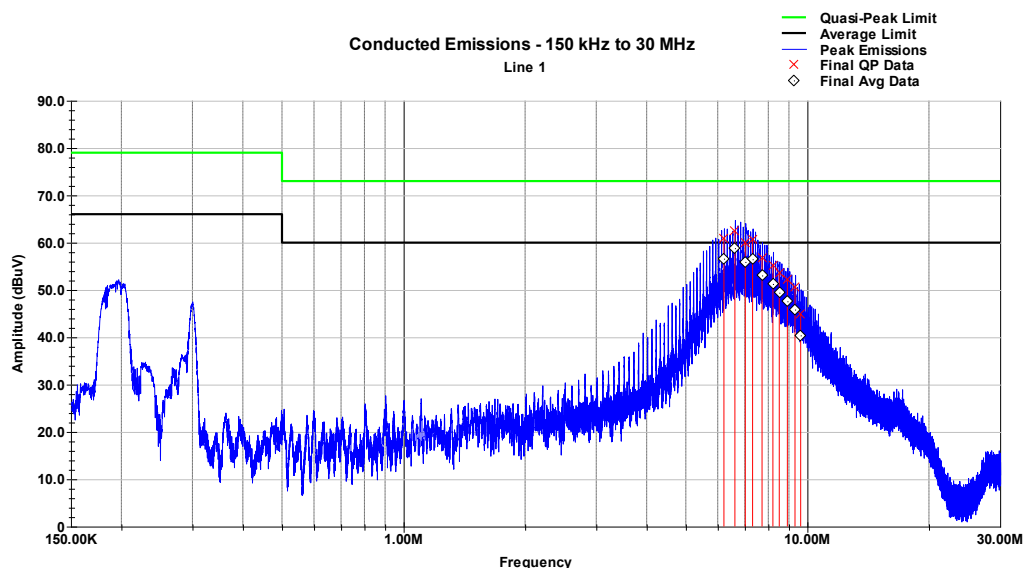
Software:

TILE! software profile "Conducted Emissions T7 210216" dated 16 Feb 2021

10.5 Test Data

10.5.1 120v60

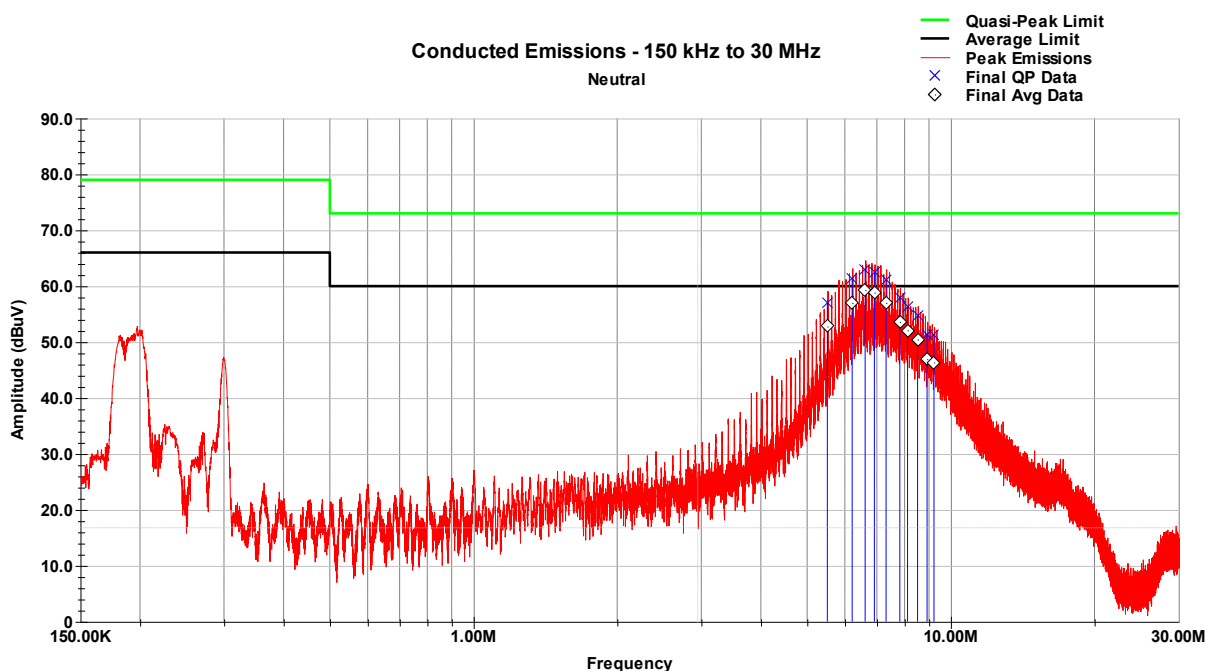
Line 1 Conducted Emissions – Peak Plot



Line 1 Conducted Emissions – Tabular Data

Frequency MHz	QP Value dBuV	QP Limit dBuV	QP Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
6.213	61.0	73.0	-12.0	56.6	60.0	-3.4
6.614	62.4	73.0	-10.6	58.8	60.0	-1.2
7.019	60.0	73.0	-13.0	55.9	60.0	-4.1
7.316	60.7	73.0	-12.3	56.5	60.0	-3.5
7.720	56.7	73.0	-16.3	53.1	60.0	-6.9
8.217	55.3	73.0	-17.7	51.3	60.0	-8.7
8.517	53.5	73.0	-19.5	49.4	60.0	-10.6
8.921	52.3	73.0	-20.7	47.6	60.0	-12.4
9.320	50.6	73.0	-22.4	45.8	60.0	-14.2
9.627	44.9	73.0	-28.1	40.4	60.0	-19.6

Neutral Conducted Emissions – Peak Plot



Neutral Conducted Emissions – Tabular Data

Frequency MHz	QP Value dBuV	QP Limit dBuV	QP Margin dB	Avg Value dBuV	Avg Limit dBuV	Avg Margin dB
5.511	57.1	73.0	-15.9	52.8	60.0	-7.2
6.213	61.4	73.0	-11.6	57.0	60.0	-3.0
6.615	63.1	73.0	-9.9	59.3	60.0	-0.7
6.915	62.5	73.0	-10.5	58.8	60.0	-1.2
7.316	61.1	73.0	-11.9	57.0	60.0	-3.0
7.817	58.0	73.0	-15.0	53.6	60.0	-6.4
8.117	56.3	73.0	-16.7	52.1	60.0	-7.9
8.519	54.8	73.0	-18.2	50.4	60.0	-9.6
8.918	51.4	73.0	-21.6	47.0	60.0	-13.0
9.220	51.4	73.0	-21.6	46.4	60.0	-13.6

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 %	± 3.5 %
DC and low frequency voltages	± 3 %	± 0.4 %

12 Revision History

Revision Level	Description of changes	Revision Date
0	Initial Release	10 June 2026
1	Updated Product Model Name to include Phoenix. Corrected release date for previous revision.	10 June 2026
2	Updated Client name and address. Corrected the FCC ID and IC to remove the word module. HVIN was added.	26 June 2026
3	Corrected ANSI C63.10 standard date.	07 June 2026