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1 Summary of Test Results

Test Description	Test Specification		Test Result
Bandwidth	15.247(a)(2)	RSS-247 5.2(a) RSS-GEN 6.7	Compliant
Peak Output Power	15.247(b)(3)	RSS-247 5.4 (d)	Compliant
Power Spectral Density	15.247(e)	RSS-247 5.2 (b)	Compliant
Conducted Spurious Emissions / Band Edge	15.247(d)	RSS-247 5.5	Compliant
Emissions in Restricted Frequency Bands	15.205, 15.209	RSS-GEN 8.9, 8.10	Compliant
Antenna Requirement	15.203	RSS-GEN 6.8	Compliant ¹
AC Powerline Conducted Emissions	15.107, 15.207	RSS-GEN 8.8	Compliant

1) The device utilizes an internal surface-mount antenna.

1.1 Modifications Required for Compliance

None

2 General Information

2.1 Client Information

Name: Risk Band LLC
Address: 1000 Johnnie Dobbs Blvd., Suite 103-312
City, State, Zip, Country: Mount Pleasant, SC, 29464, 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
Designation Number: US1126
CAB Identifier: US0186

2.3 General Information of EUT

Equipment Under Test: Wearable Emergency Device
Model Name: ARIES
Model Number: RBD30060
Serial Number: 220512-00013 (Conducted), 220526-00011 (Radiated)

Firmware Version: DTM

Frequency Range: 2402 – 2480 MHz
Data Modes: Bluetooth Low Energy – GFSK (1M Data Rates)
Antenna: SMT Antenna, 2.1dBi (Antenova, P/N: A5839)

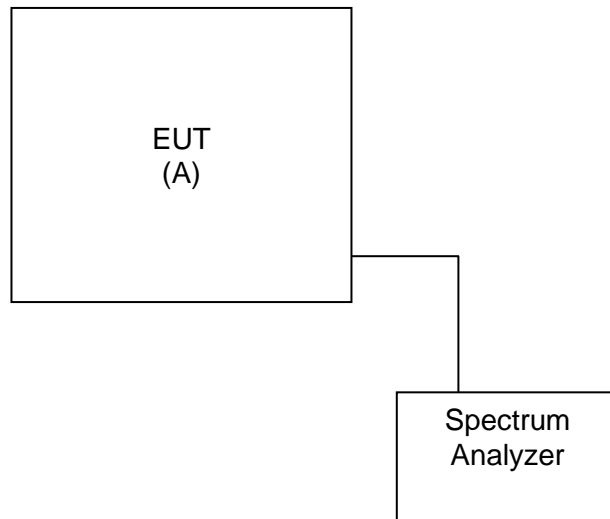
Rated Voltage: 3.7Vdc
Test Voltage: 3.7Vdc

Sample Received Date: 26 July 2022
Dates of testing: 05 – 26 August 2022

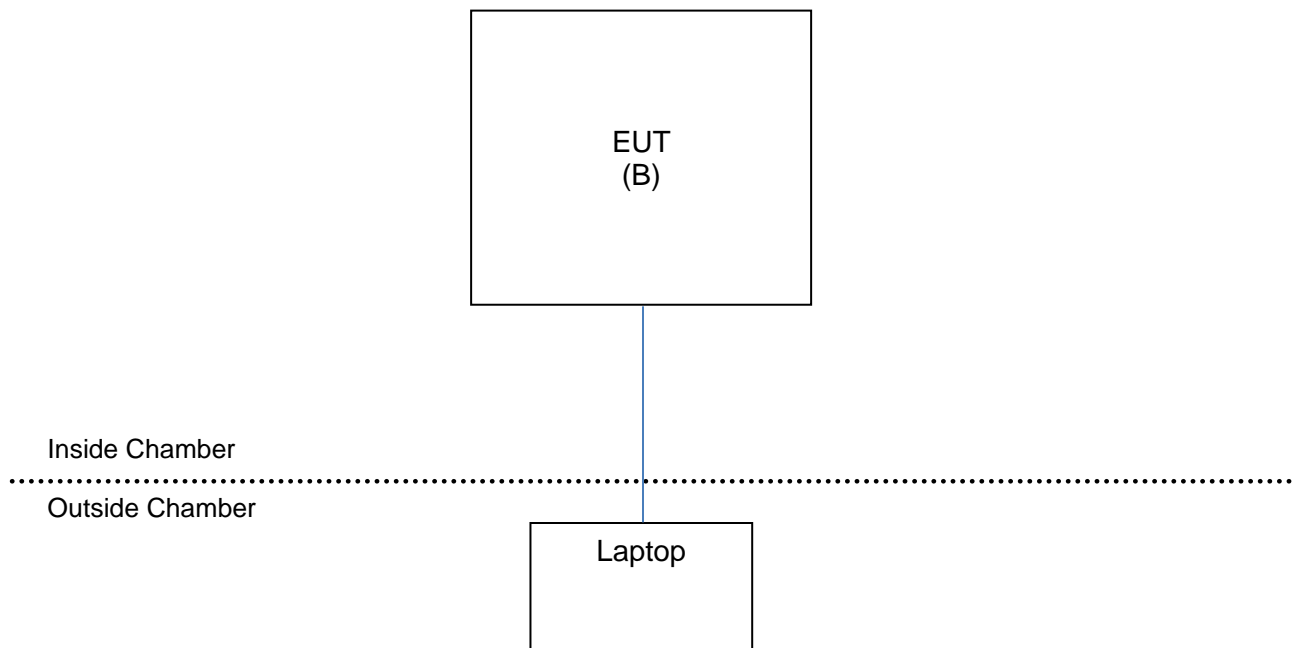
2.4 Operating Modes and Conditions

The EUT was connected via USB to a laptop loaded with ESP32 EspressIF software. Using a terminal program, the EUT was first placed into Direct Test Mode (DTM). Once in DTM, the EspressIF software was used to control the BLE radio to transmit on low, middle, and high channels. A target power setting of 5 was used for all testing. For radiated spurious emissions the worst-case orientation was with the EUT on its side (X-Axis).

2.5 EUT Connection Block Diagram – Conducted Measurements



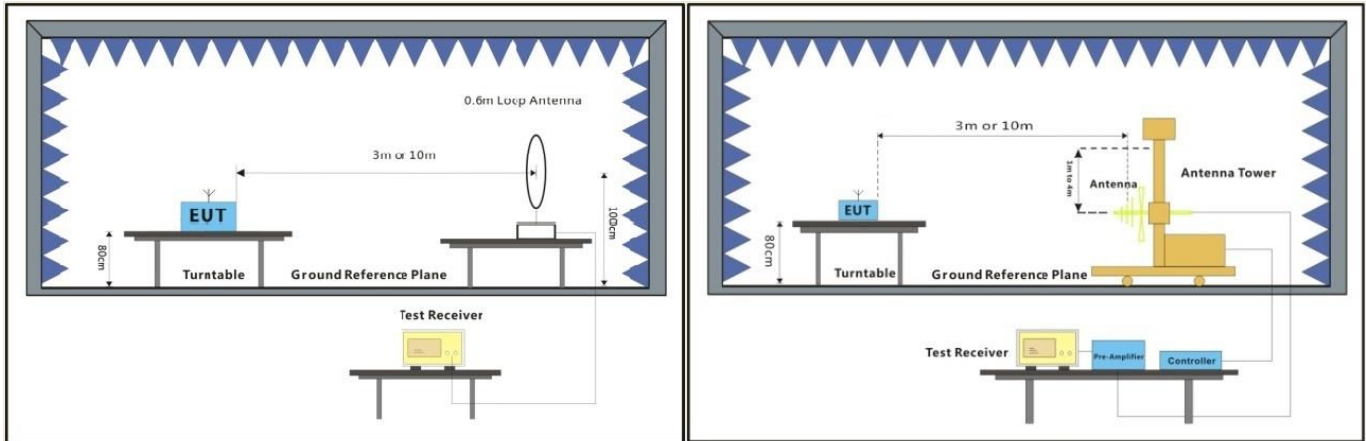
2.6 EUT Connection Block Diagram – Radiated Measurements



2.7 System Configurations

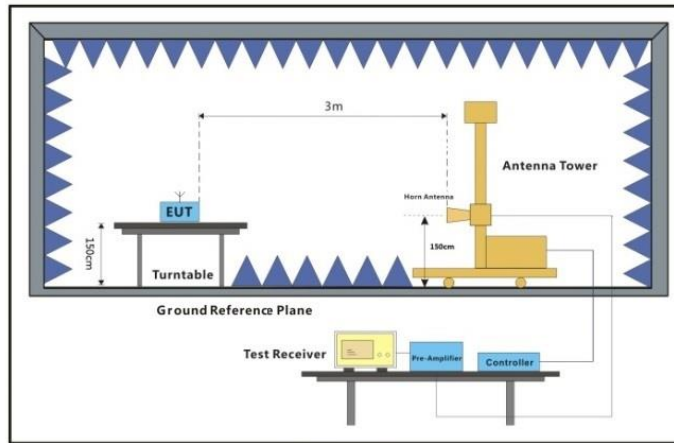
Device reference	Manufacturer	Description	Model Number	Serial Number
A	Risk Band LLC	Wearable Emergency Device	RBD30060	220512-00013
B	Risk Band LLC	Wearable Emergency Device	RBD30060	220526-00011

2.8 Configuration Diagrams (Radiated)



Below 30MHz

30MHz-1GHz



Above 1GHz

3 Bandwidth

3.1 Test Result

Test Description	Test Specification		Test Result
6 dB Bandwidth 99% Occupied Bandwidth	15.247(a)(2)	RSS-247 5.2(a) RSS-GEN 6.7	Compliant

3.2 Test Method

The procedures from ANSI C63.10: 2013 clause 11.8 and 558074 D01 DTS Meas Guidance v05r2 were used to determine the 6 dB bandwidth.

The procedures from ANSI C63.10: 2013 clause 6.9.2 were used to measure the 99% Occupied Bandwidth.

3.3 Test Site

EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 22.8 °C

Relative Humidity: 49.6 %

Atmospheric Pressure: 98.0 kPa

3.4 Test Equipment

Test End Date: 8/6/2022

Tester: JOP

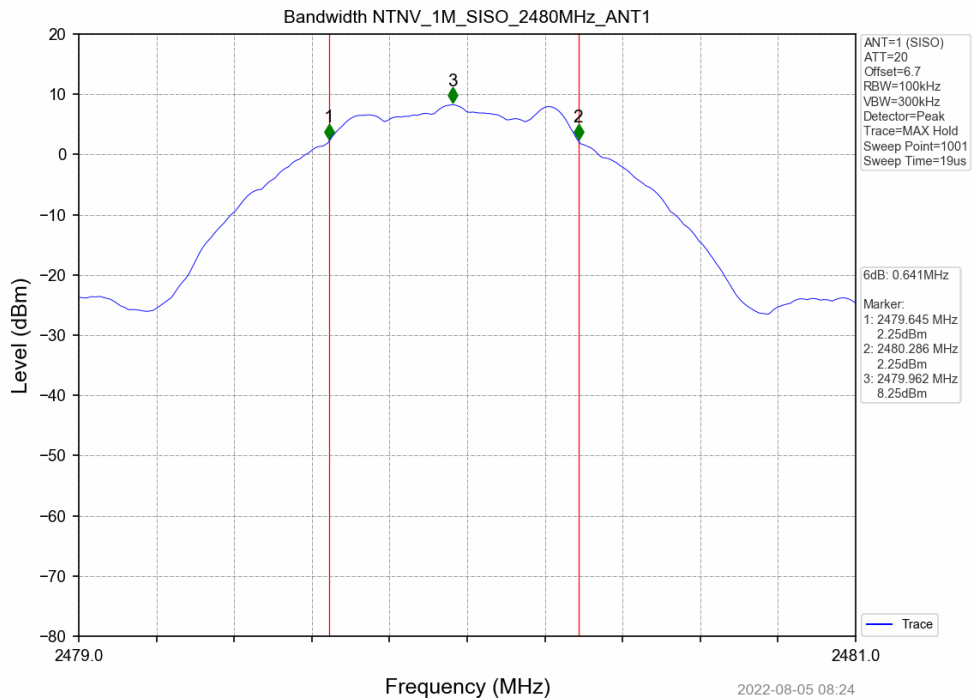
Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20109	16-Mar-2022	16-Mar-2023
SIGNAL ANALYZER (TS8997)	FSV30	ROHDE & SCHWARZ	B085749	4-Jan-2022	4-Jan-2024

3.5 Test Data – 6dB Bandwidth

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB BW (MHz)	Limit (MHz)	Verdict
1M	2402	SISO	1	0.642	≥0.5	PASS
	2440	SISO	1	0.642	≥0.5	PASS
	2480	SISO	1	0.641	≥0.5	PASS

Sample Plot

High Channel (2480MHz)

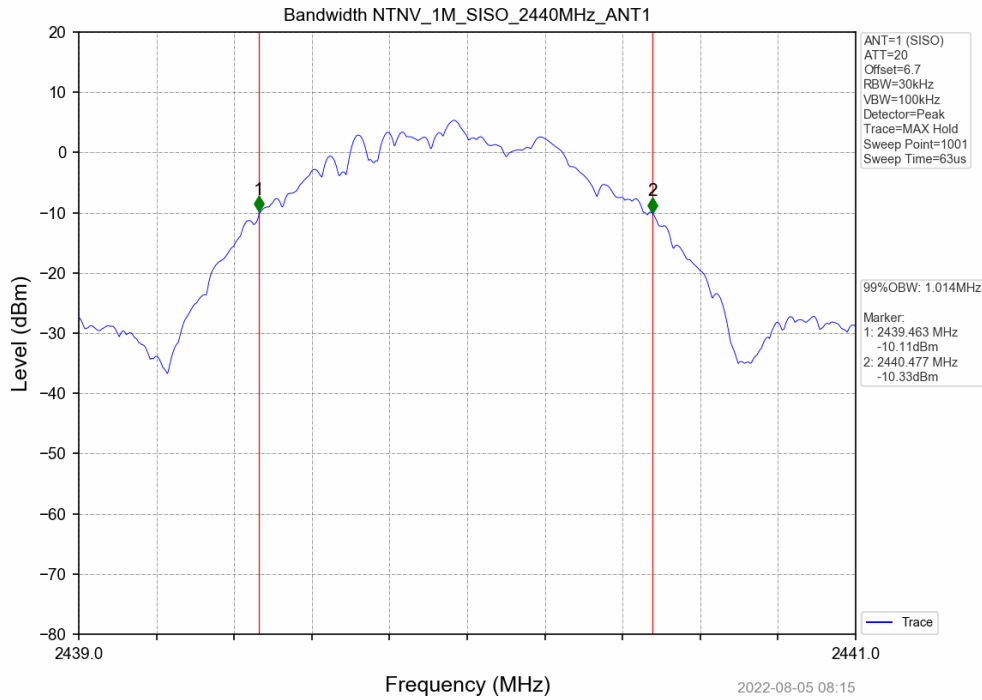


3.6 Test Data – 99% Bandwidth

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% OBW (MHz)	Limit (MHz)	Verdict
1M	2402	SISO	1	1.012	≥0.5	Reported
	2440	SISO	1	1.014	≥0.5	Reported
	2480	SISO	1	1.013	≥0.5	Reported

Sample Plot

Mid Channel (2440MHz)



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: 2013 clause 11.9 and KDB 558074 D01 Measurement Guidance v05r2.

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

EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 22.8 °C

Relative Humidity: 49.6 %

Atmospheric Pressure: 98.0 kPa

4.4 Test Equipment

Test End Date: 8/6/2022

Tester: JOP

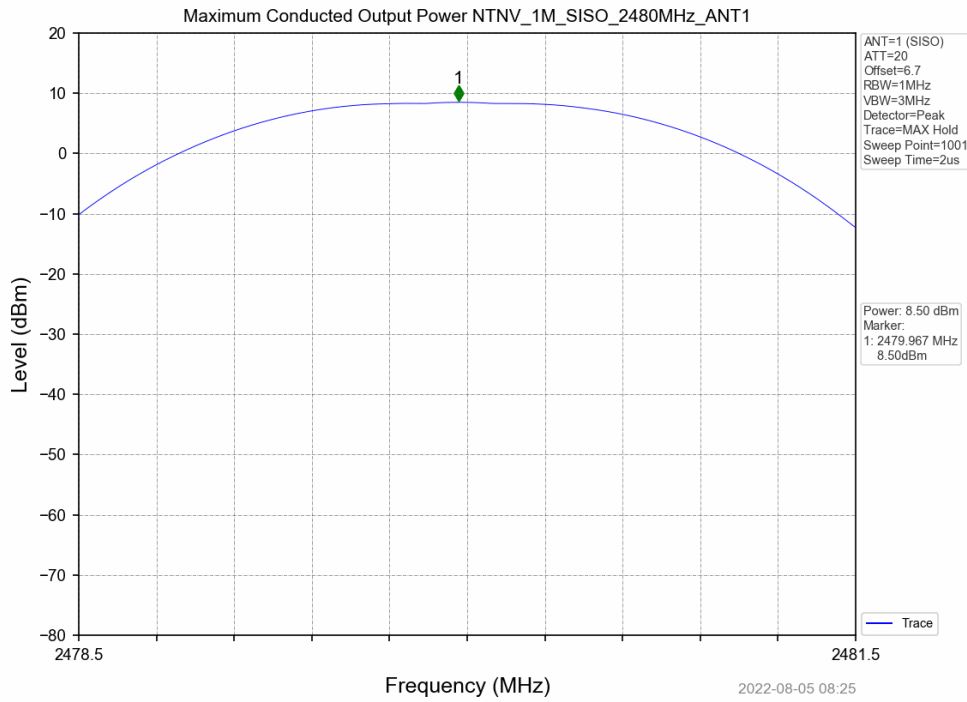
Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20109	16-Mar-2022	16-Mar-2023
SIGNAL ANALYZER (TS8997)	FSV30	ROHDE & SCHWARZ	B085749	4-Jan-2022	4-Jan-2024

4.5 Test Data

Test Mode	Frequency (MHz)	TX Type	ANT No.	Peak Output Power (dBm)	Limit (dBm)	Verdict
1M	2402	SISO	1	8.04	30	PASS
	2440	SISO	1	8.48	30	PASS
	2480	SISO	1	8.50	30	PASS

Sample Plot

High Channel (2480MHz)



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: 2013 clause 11.10 and KDB 558074 D01 Measurement Guidance v05r2.

Limit

The limit is 8 dBm.

5.3 Test Site

EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 22.8 °C

Relative Humidity: 49.6 %

Atmospheric Pressure: 98.0 kPa

5.4 Test Equipment

Test End Date: 8/6/2022

Tester: JOP

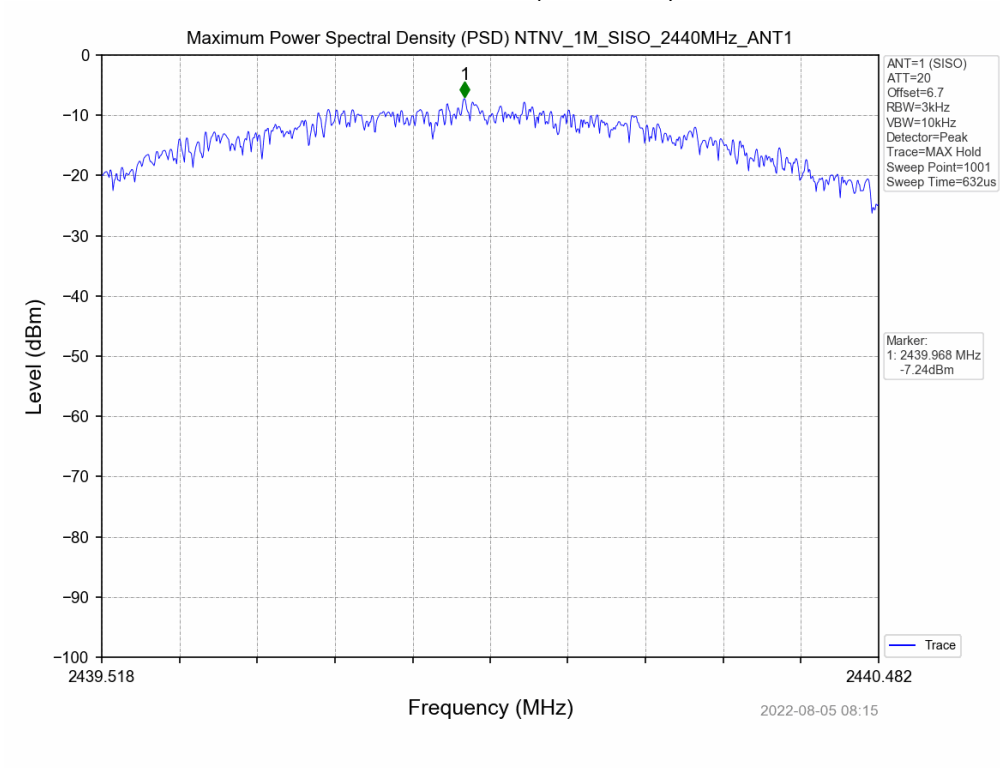
Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20109	16-Mar-2022	16-Mar-2023
SIGNAL ANALYZER (TS8997)	FSV30	ROHDE & SCHWARZ	B085749	4-Jan-2022	4-Jan-2024

5.5 Test Data

Frequency (MHz)	Frequency (MHz)	TX Type	ANT No.	Peak PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1M	2402	SISO	1	-8.37	≤8	PASS
	2440	SISO	1	-7.24	≤8	PASS
	2480	SISO	1	-7.39	≤8	PASS

Sample Plot

Mid Channel (2440MHz)



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: 2013 clause 11.11 and KDB 558074 D01 Measurement Guidance v05r2.

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

EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 22.8 °C

Relative Humidity: 49.6 %

Atmospheric Pressure: 98.0 kPa

6.4 Test Equipment

Test End Date: 8/6/2022

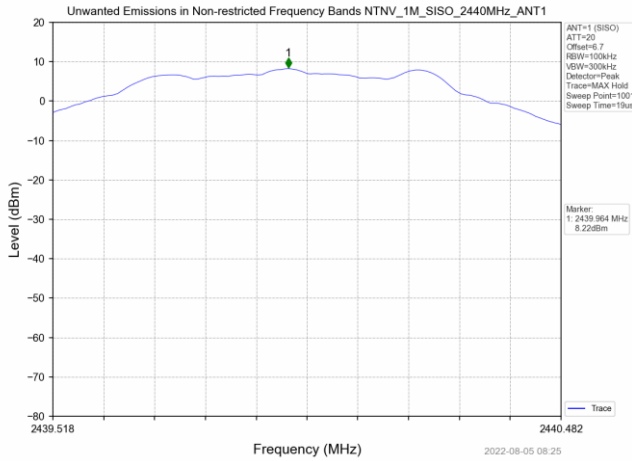
Tester: JOP

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20109	16-Mar-2022	16-Mar-2023
SIGNAL ANALYZER (TS8997)	FSV30	ROHDE & SCHWARZ	B085749	4-Jan-2022	4-Jan-2024

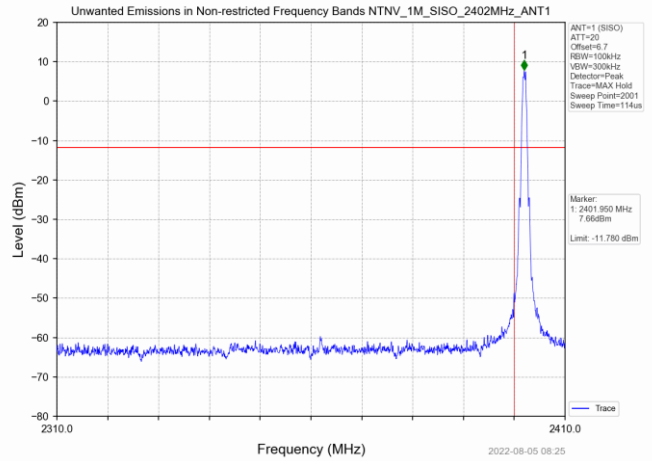
6.5 Test Data

Rate	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limit (dBm)	Verdict
1M	2402	SISO	1	Refer to test graph	-11.78	PASS
	2440	SISO	1	Refer to test graph	-11.78	PASS
	2480	SISO	1	Refer to test graph	-11.78	PASS

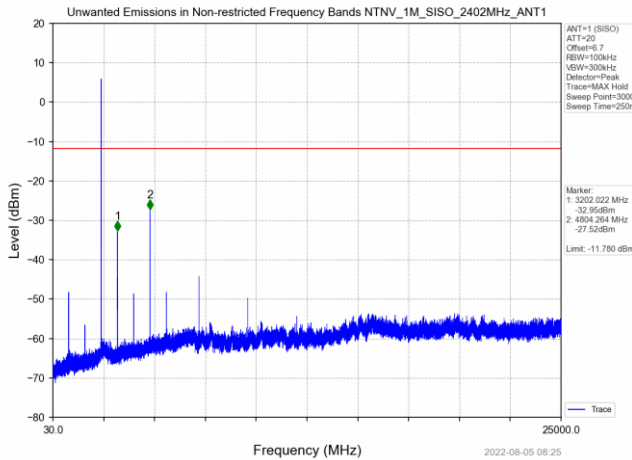
1M In-Band Reference



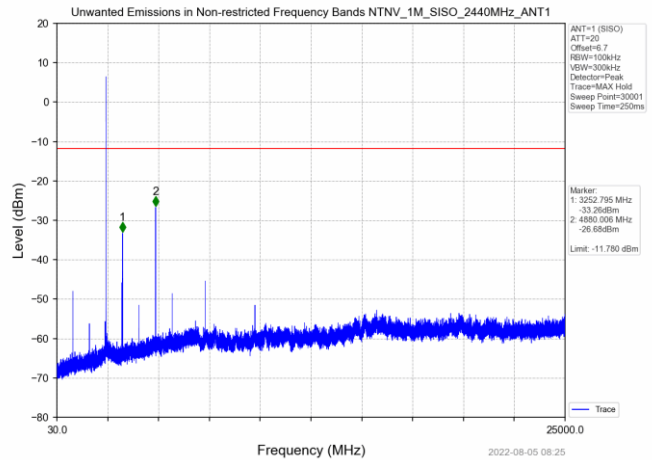
1M Lower Band Edge - Low Channel (2402MHz)



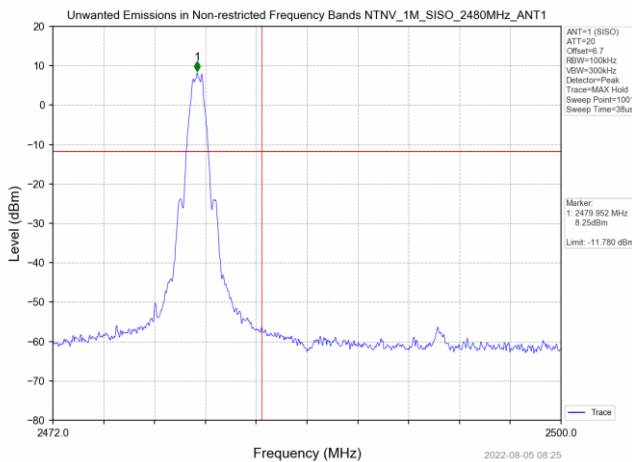
1M Full Spectrum - Low Channel (2402MHz)



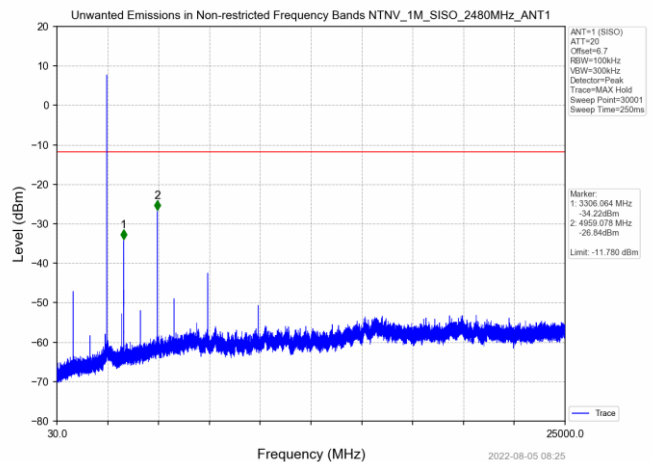
1M Full Spectrum - Mid Channel (2440MHz)



1M Upper Band Edge - High Channel (2480MHz)



1M Full Spectrum - High Channel (2480MHz)



7 Field Strength of Spurious Radiation (Restricted Bands)

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: 2013 were used.

Lowest, middle, and highest channels were investigated – the device was commanded to continuously transmit on low, middle, and high channels. The test system reported the following duty-cycles used for correcting the average measurements:

- 1M – 66.9% (1.8dBi)

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 3 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

Environmental Conditions

Temperature: 22.2 °C

Relative Humidity: 48.6 %

Atmospheric Pressure: 98.2 kPa

7.4 Test Equipment

Test End Date: 8/26/2022

Tester: AB/JP

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
PASSIVE LOOP ANTENNA, 9KHZ -	6512	ETS LINDGREN	20151	16-Mar-2022	16-Mar-2023
N TO N RF CABLE	NC12-N1N1-276	MEGAPHASE	22000	10-Jan-2022	10-Jan-2023
RF CABLE	UC-N-MM-275	MAURY MICROWAVE	17015	25-Aug-2021	25-Aug-2022
RF CABLE NM TO NM, 0.01-18GHZ	90-195-079	TELEDYNE STORM	20124	14-Feb-2022	14-Feb-2023
BROADBAND PREAMPLIFIER 9KHZ-	BBV 9745	SCHWARZBECK MESS	20157	16-Mar-2022	16-Mar-2023
FILTER, HIGH PASS, >2800MHZ	HPM50111	MICRO-TRONICS	22017	16-Jun-2022	16-Jun-2023
ANTENNA, BILOG	JB6	SUNOL	B079690	19-Apr-2022	19-Apr-2024
RF CABLE	SF106	HUBER & SUHNER	B079713	26-Aug-2021	26-Aug-2022
RF CABLE	SUCOFLEX 100	HUBER & SUHNER	B108523	26-Aug-2021	26-Aug-2022
LOW NOISE AMPLIFIER	ZKL-2+	MINI-CIRCUITS	B079800	18-Oct-2021	18-Oct-2022
ANTENNA, DRG HORN (MEDIUM)	3117	ETS LINDGREN	B079699	29-Jul-2022	29-Jul-2024
RF CABLE, NM TO NM.	90-195-276	TELEDYNE STORM	21020	16-Mar-2022	16-Mar-2023
LOW NOISE AMPLIFIER	TS-PR18	ROHDE & SCHWARZ	15003	7-Oct-2021	7-Oct-2022
RECEIVER	ESRP	ROHDE & SCHWARZ	S/N: 101065	17-Dec-2020	17-Dec-2022
RECEIVER	ESW44	ROHDE & SCHWARZ	S/N: 101894	26-Oct-2021	12-Mar-2023

Note: Cable 17015 was used for testing on 23-Aug-2022

Software:

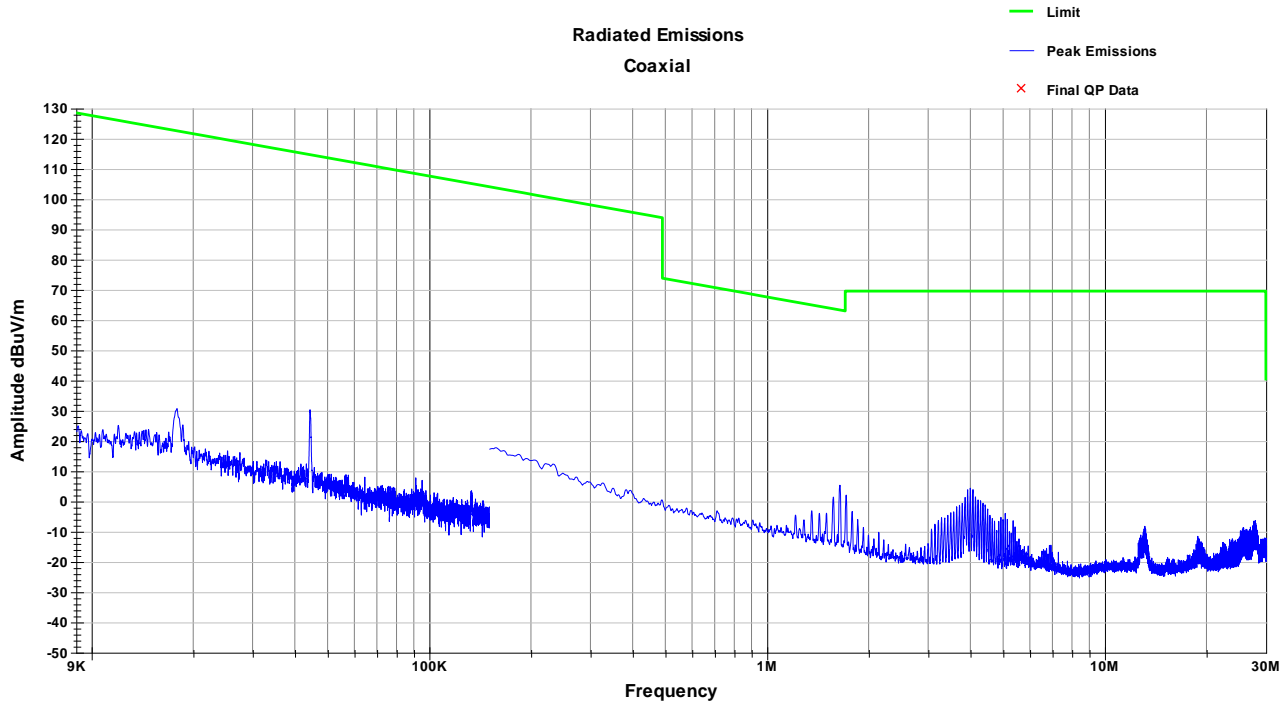
RSE 9k - 30M 220804 Dated 04 August 2022

RSE 30-1000 MHz T7 220318 Dated 18 March 2022

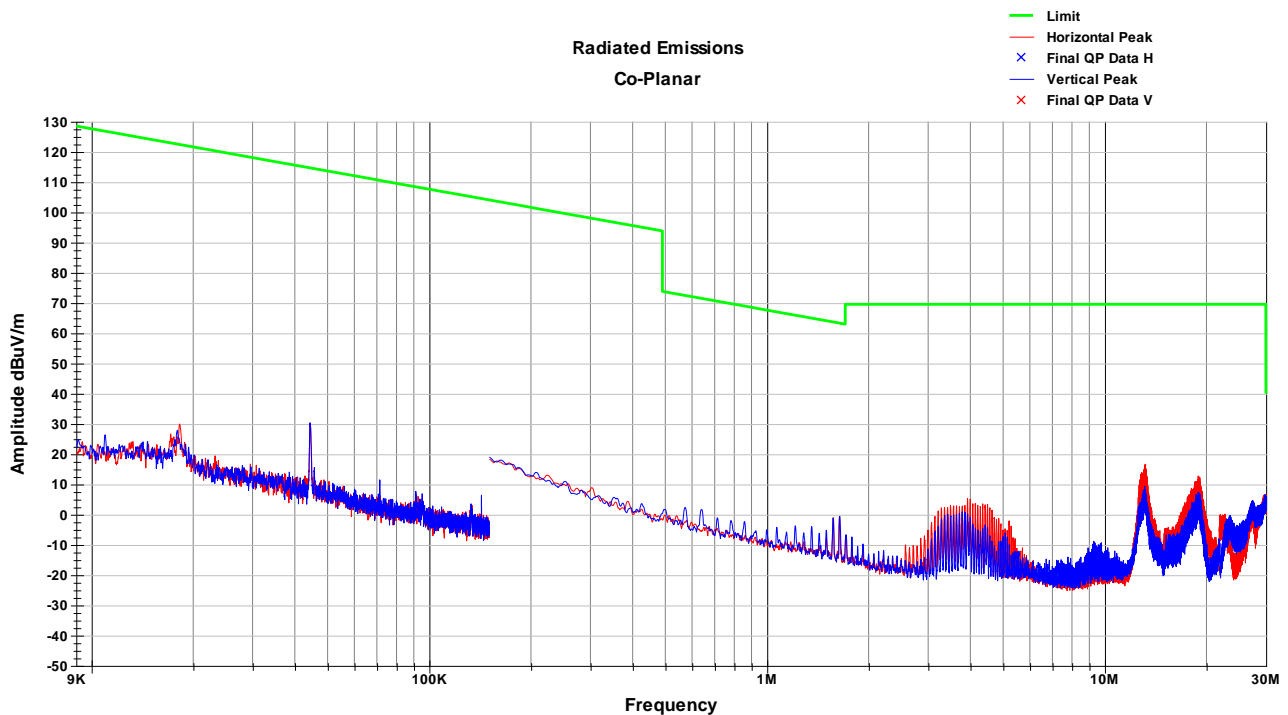
RSE 1-18 GHz T7 210212 Dated 12 February 2021

7.5 Test Data – Peak Plots

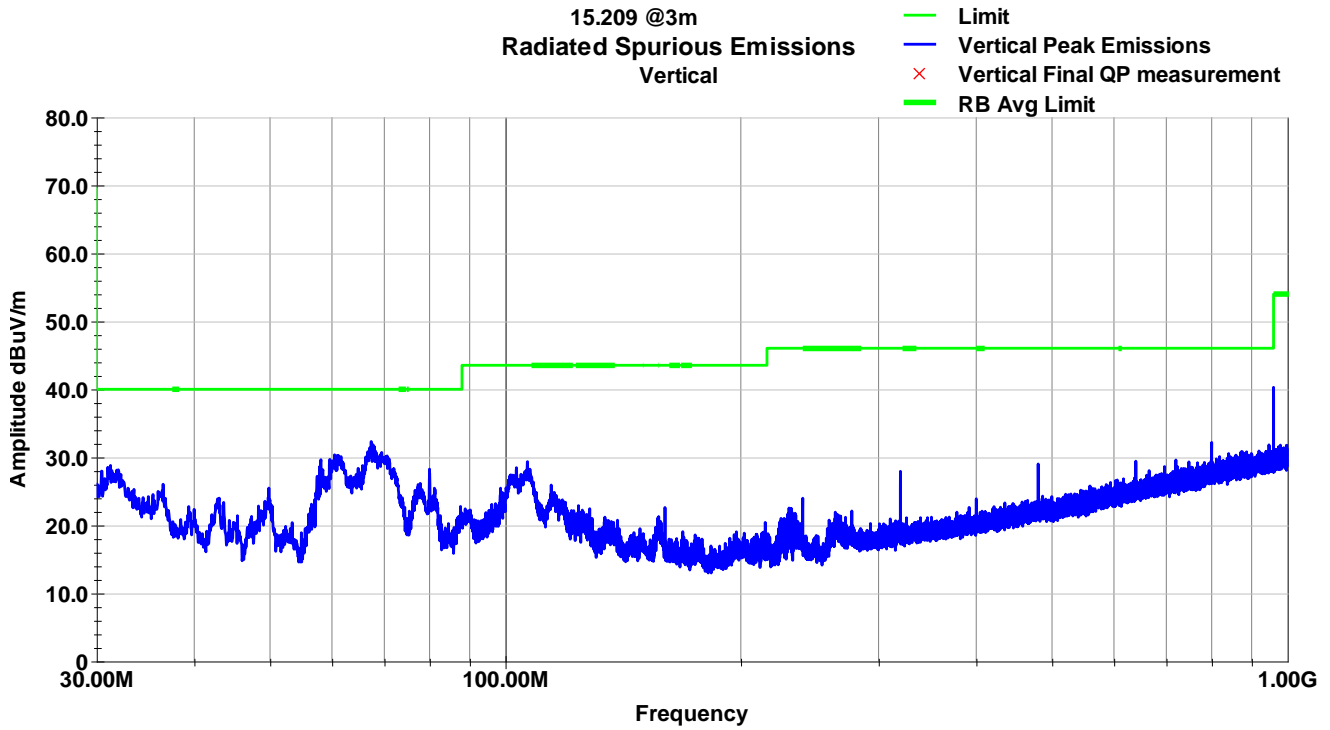
Between 9kHz and 1000MHz, there was no significant deviation with respect to axis or channel
 Co-Axial Radiated Spurious Emissions – 9kHz-30MHz



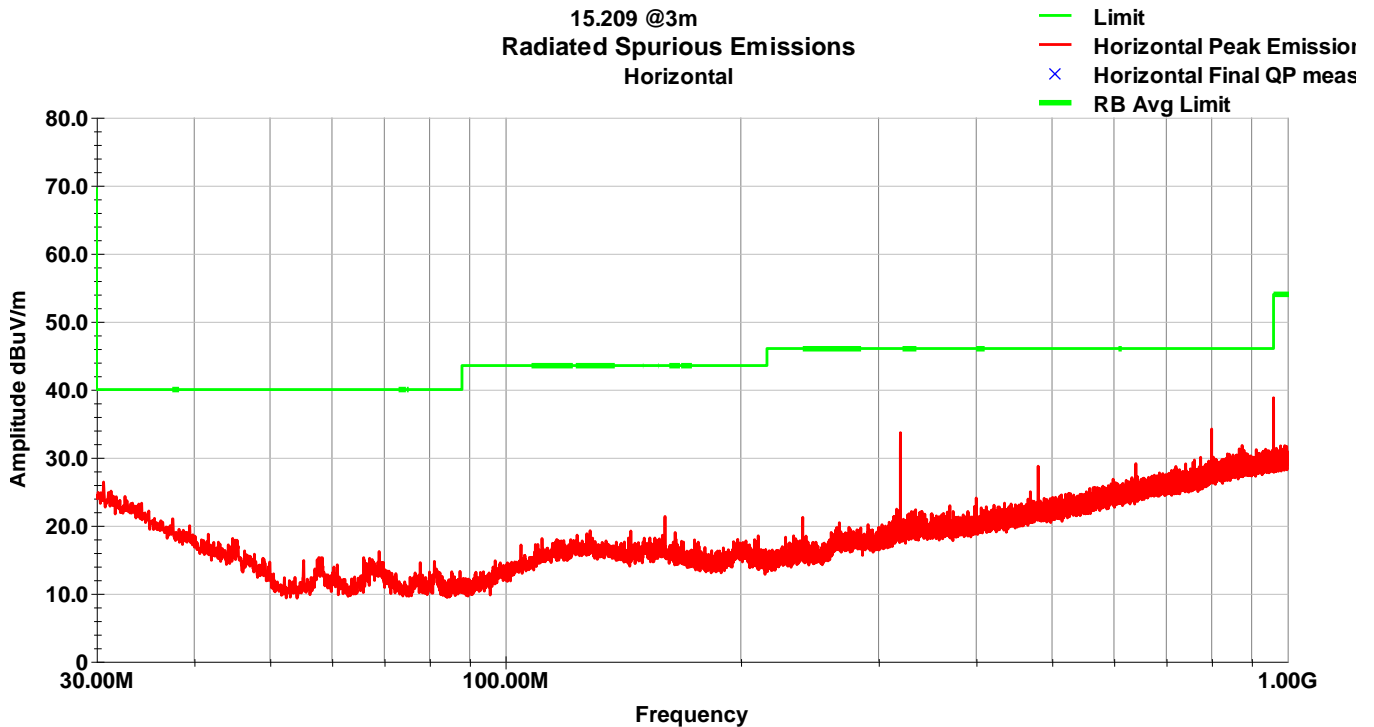
Co-Planar Radiated Spurious Emissions – 9kHz-30MHz



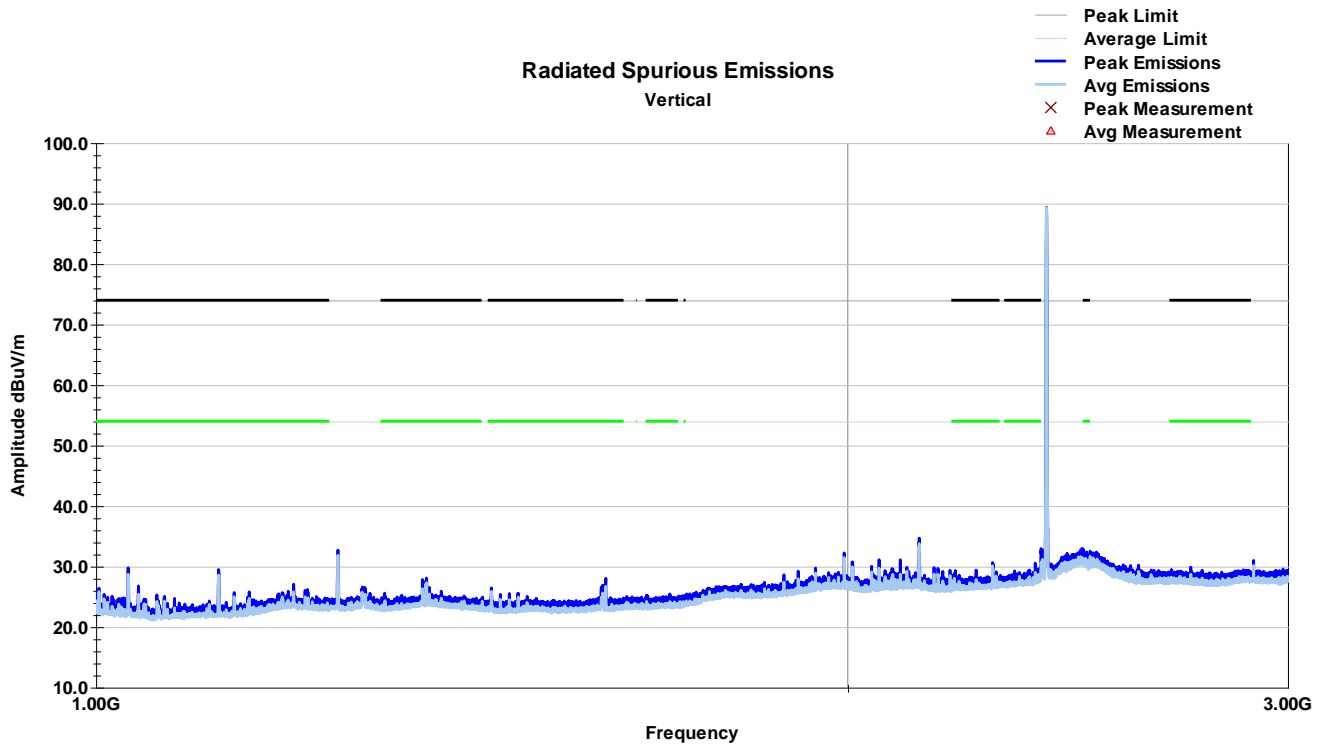
Vertical Radiated Spurious Emissions – 30-1000MHz



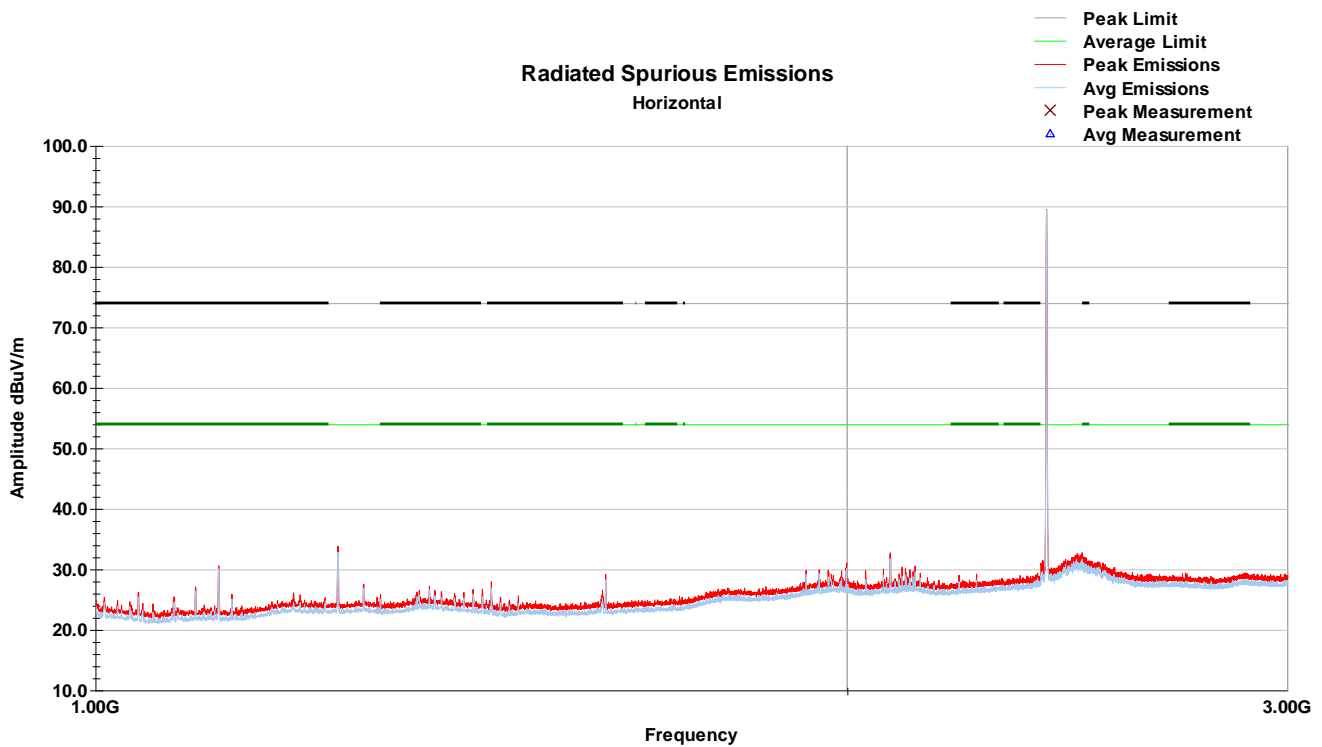
Horizontal Radiated Spurious Emissions – 30-1000MHz



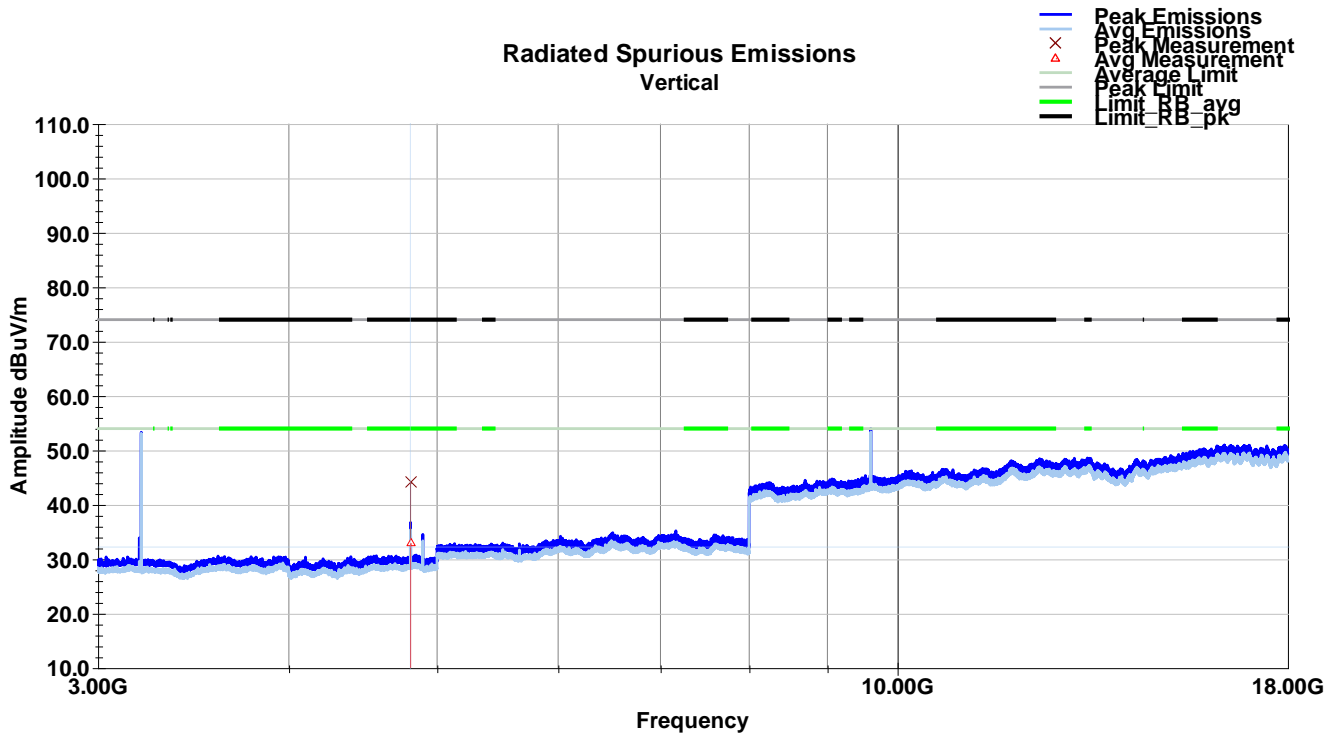
Vertical Radiated Spurious Emissions – 1-3GHz (LCH)



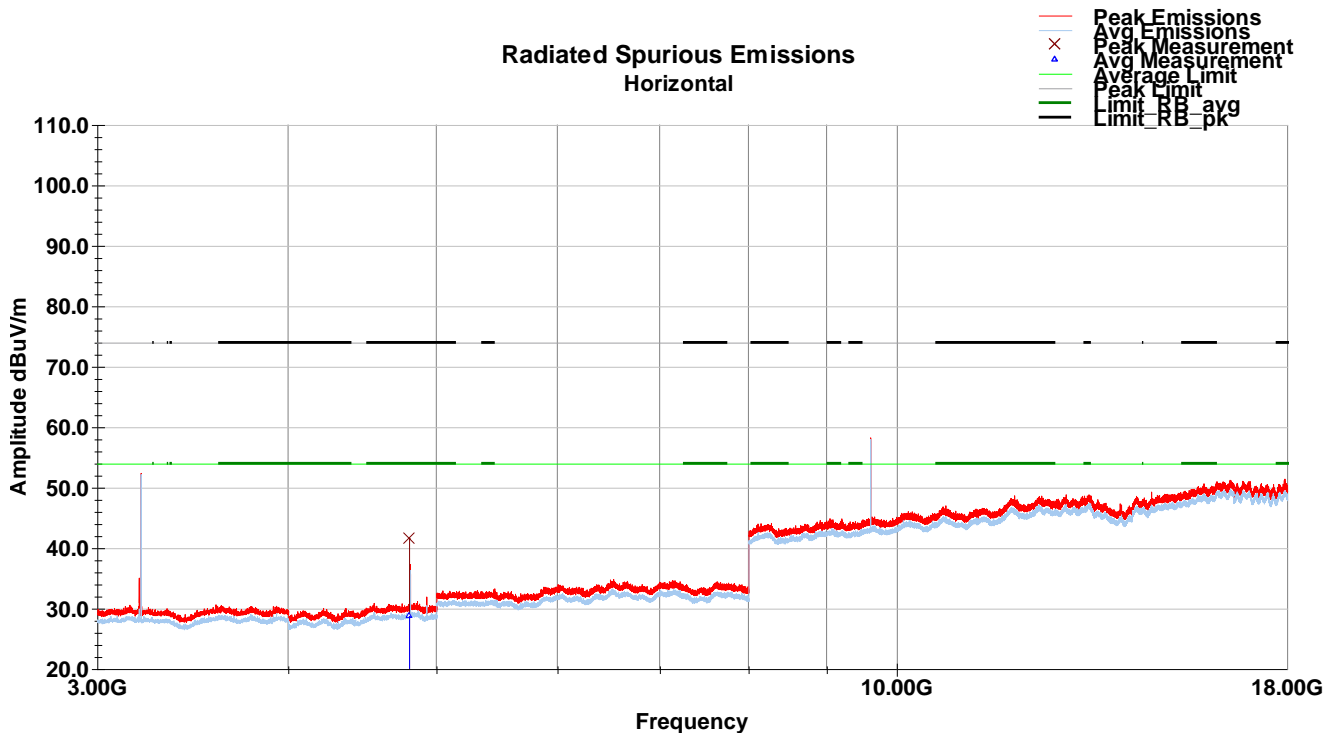
Horizontal Radiated Spurious Emissions – 1-3GHz (LCH)



Vertical Radiated Spurious Emissions – 3-18GHz (LCH)

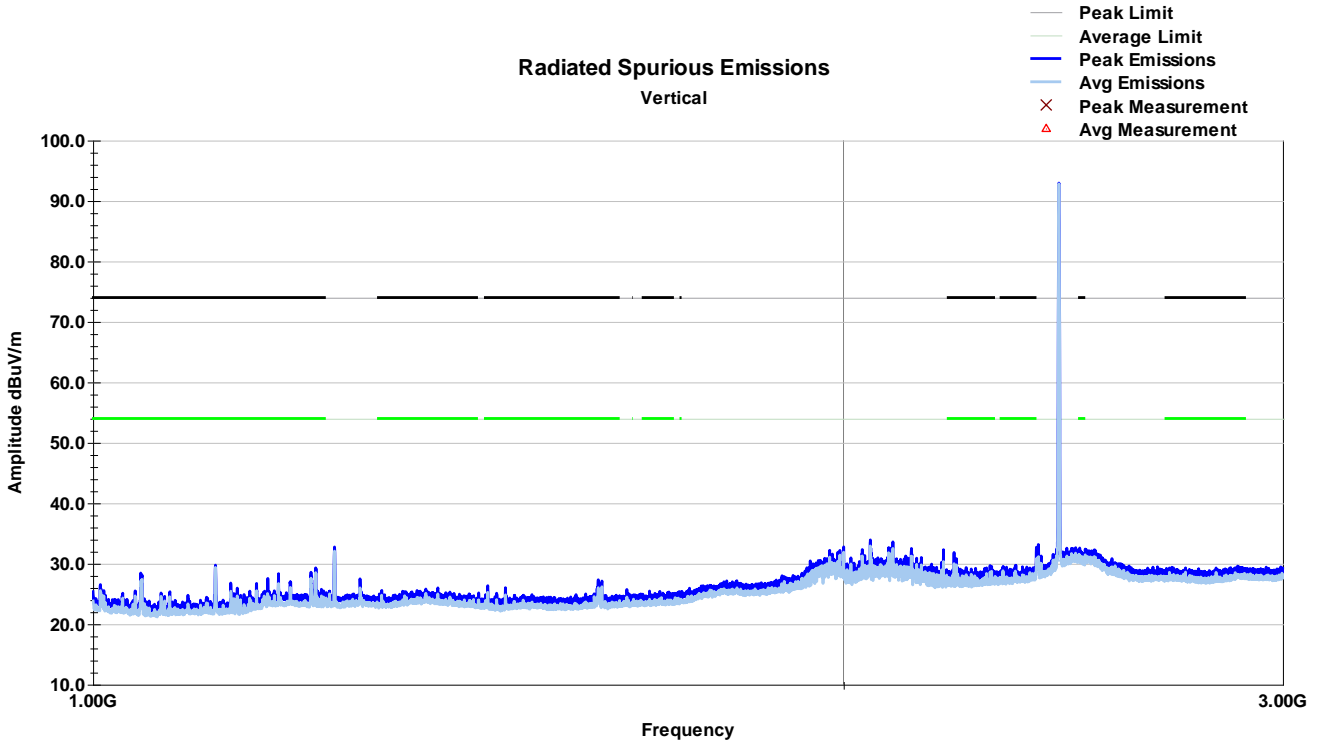


Other spurious emissions are not within restricted bands
Horizontal Radiated Spurious Emissions – 3-18GHz (LCH)

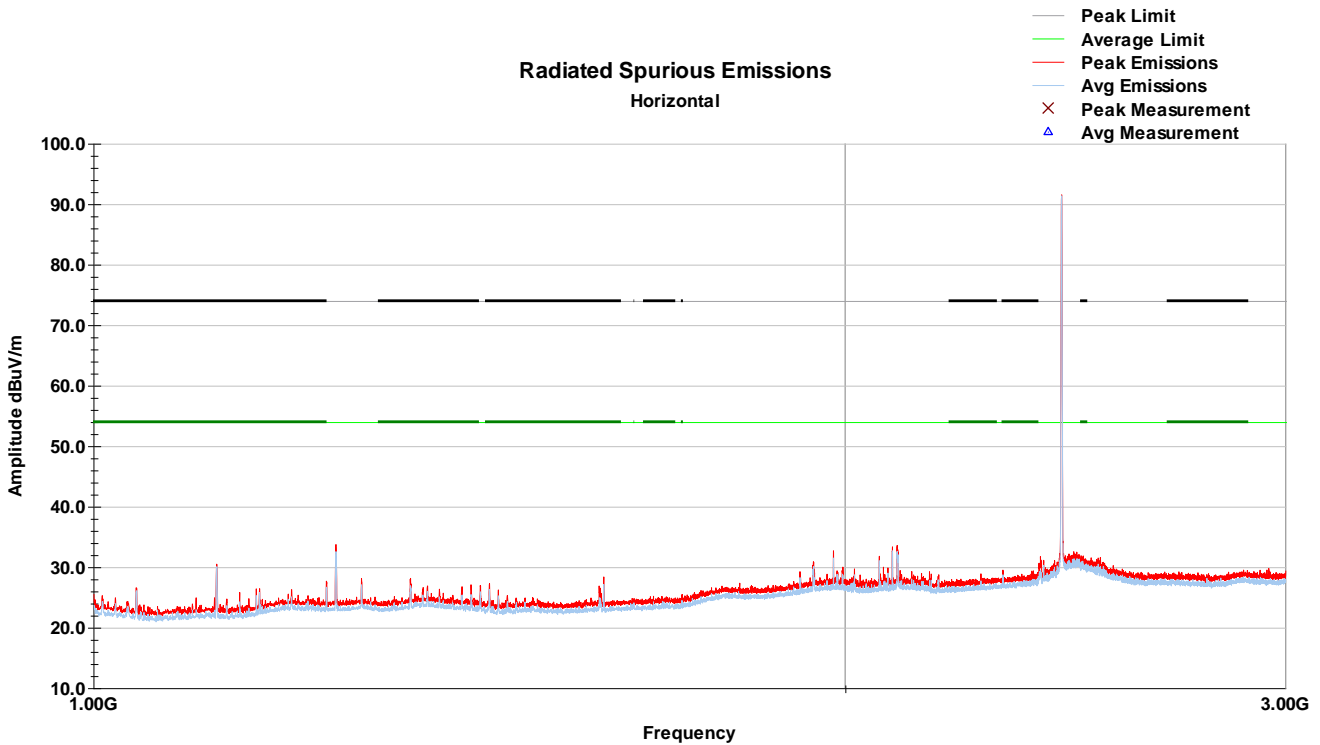


Other spurious emissions are not within restricted bands

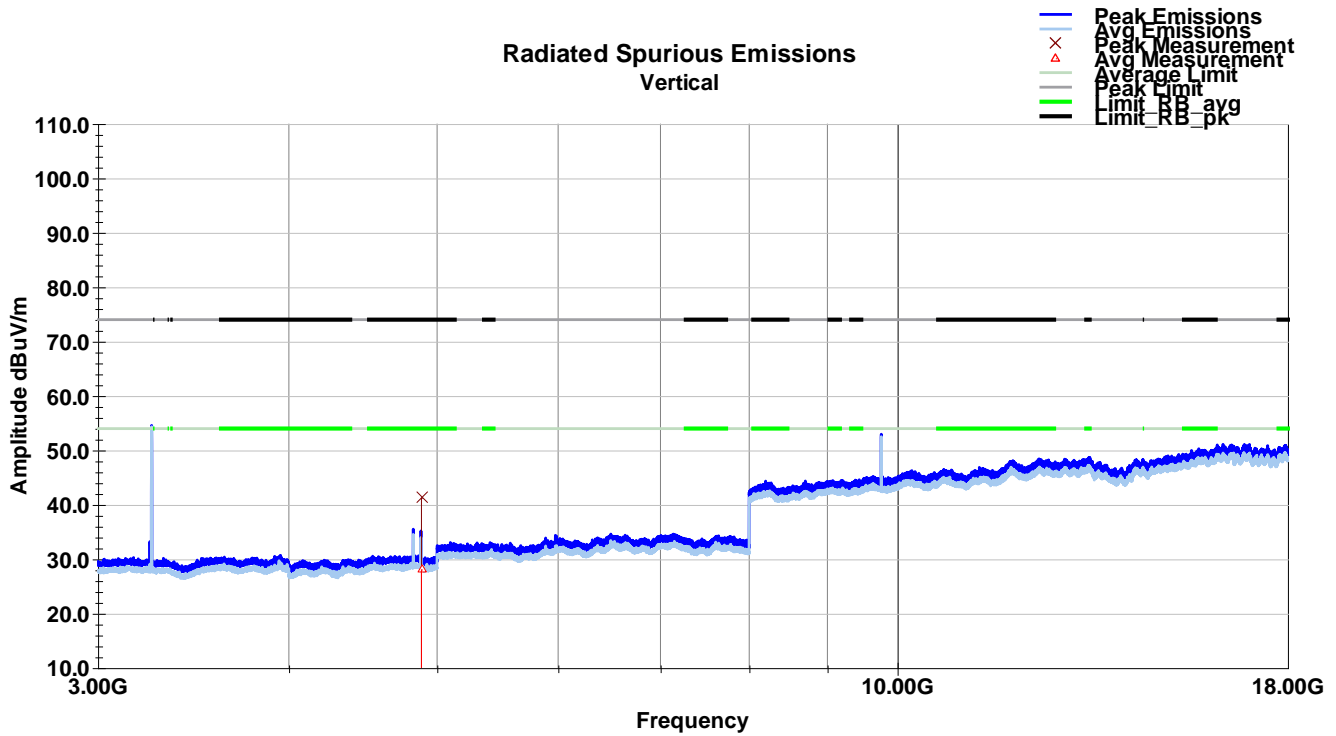
Vertical Radiated Spurious Emissions – 1-3GHz (MCH)



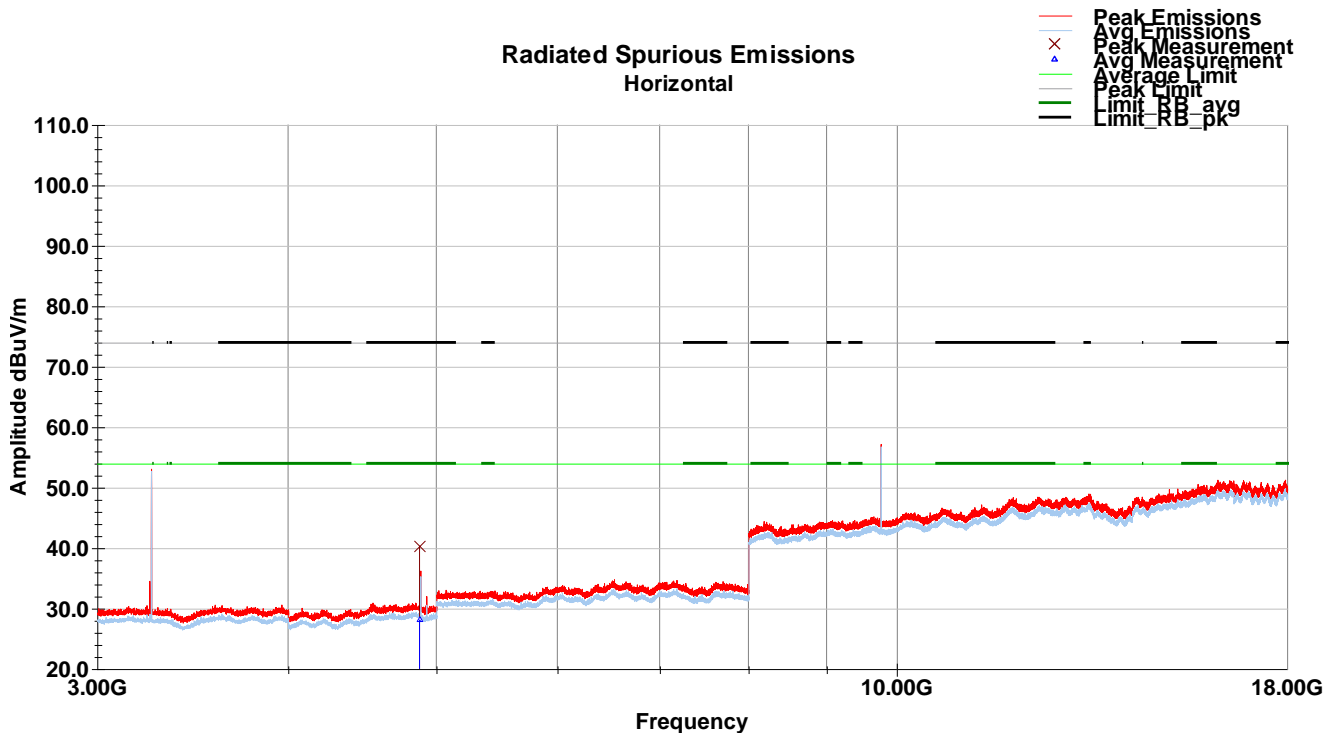
Horizontal Radiated Spurious Emissions – 1-3GHz (MCH)



Vertical Radiated Spurious Emissions – 3-18GHz (MCH)

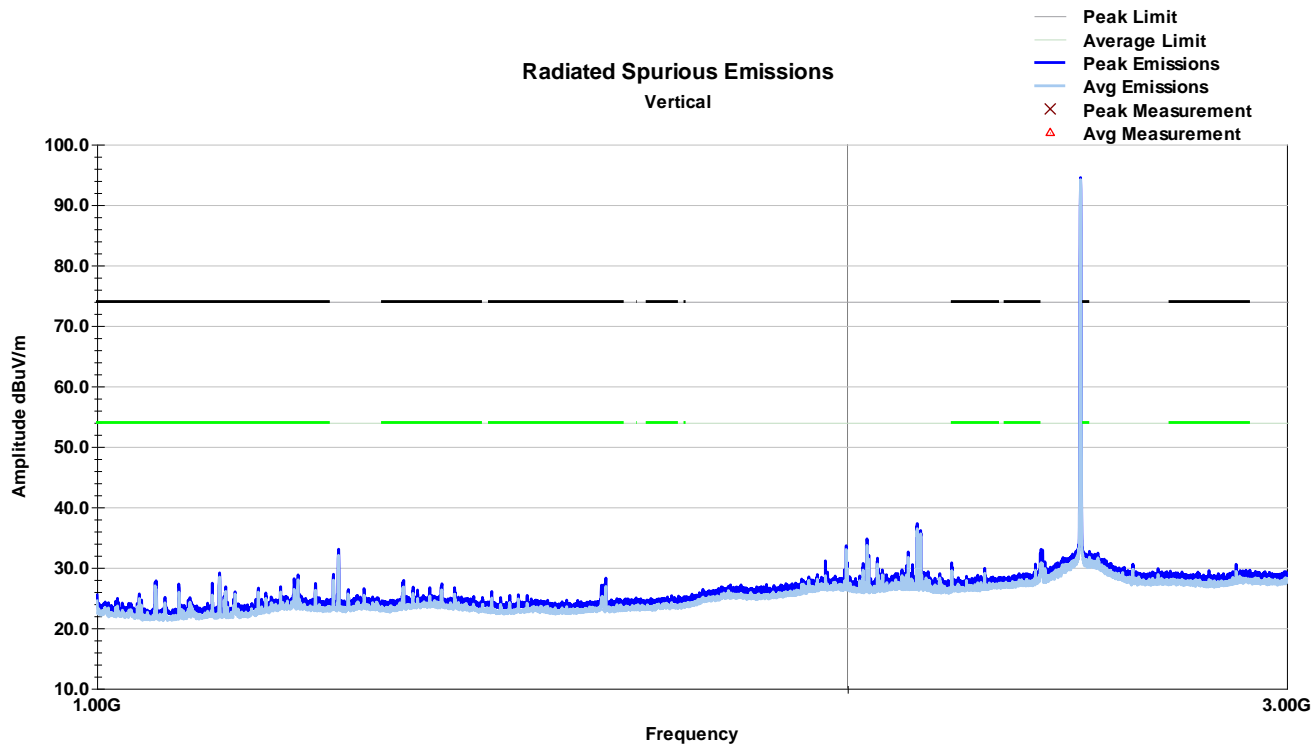


Other spurious emissions are not within restricted bands
Horizontal Radiated Spurious Emissions – 3-18GHz (MCH)

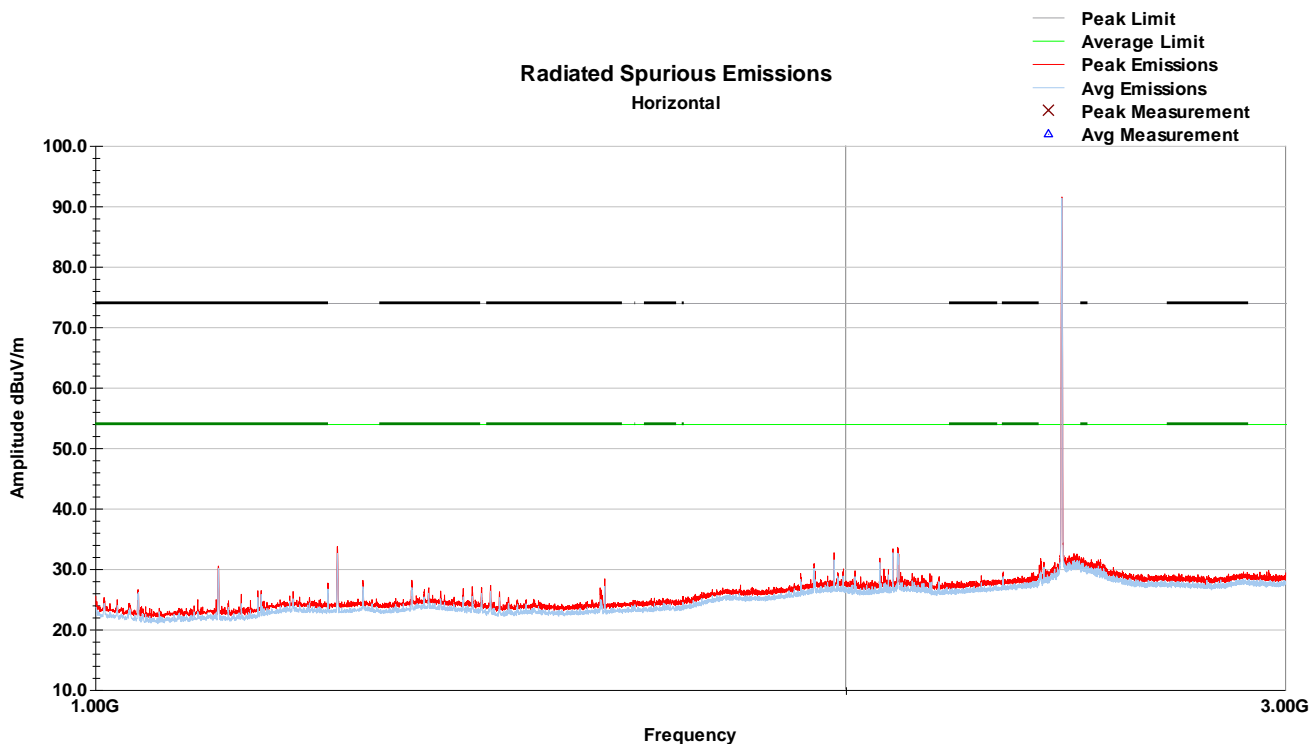


Other spurious emissions are not within restricted bands

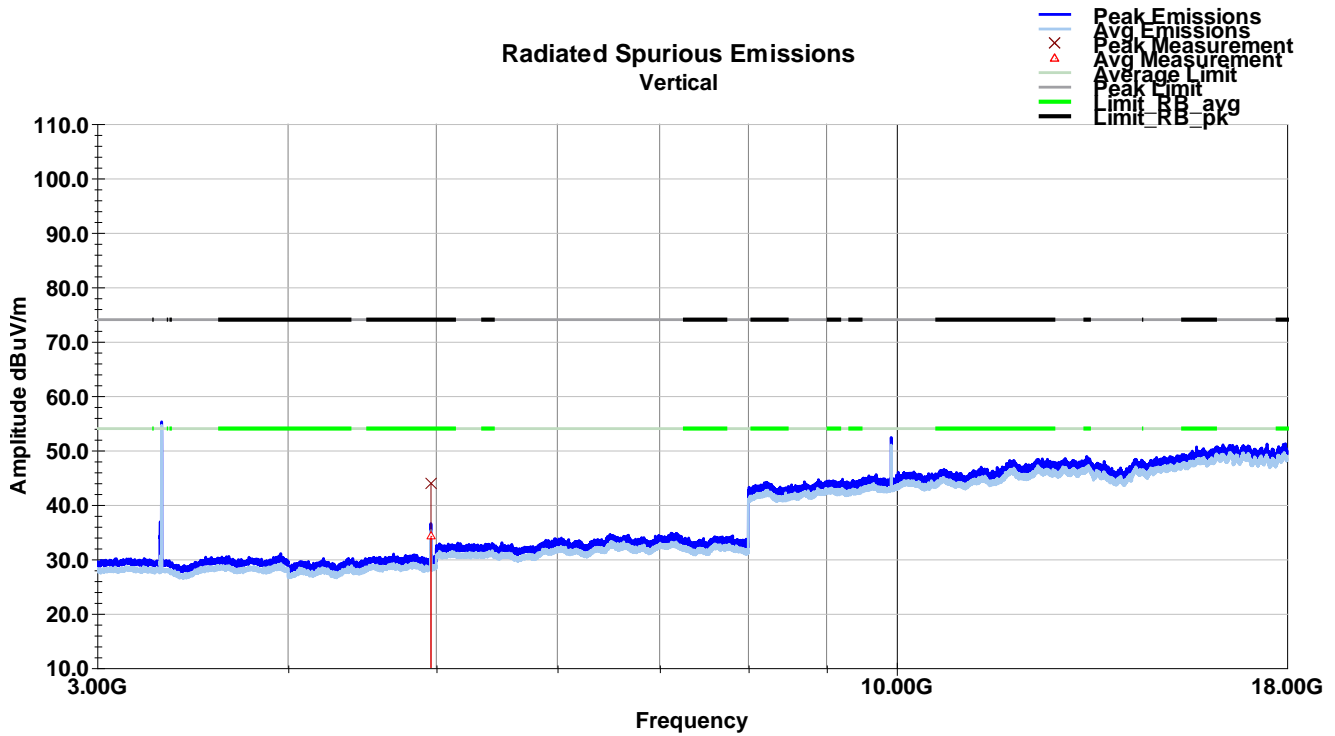
Vertical Radiated Spurious Emissions – 1-3GHz (HCH)



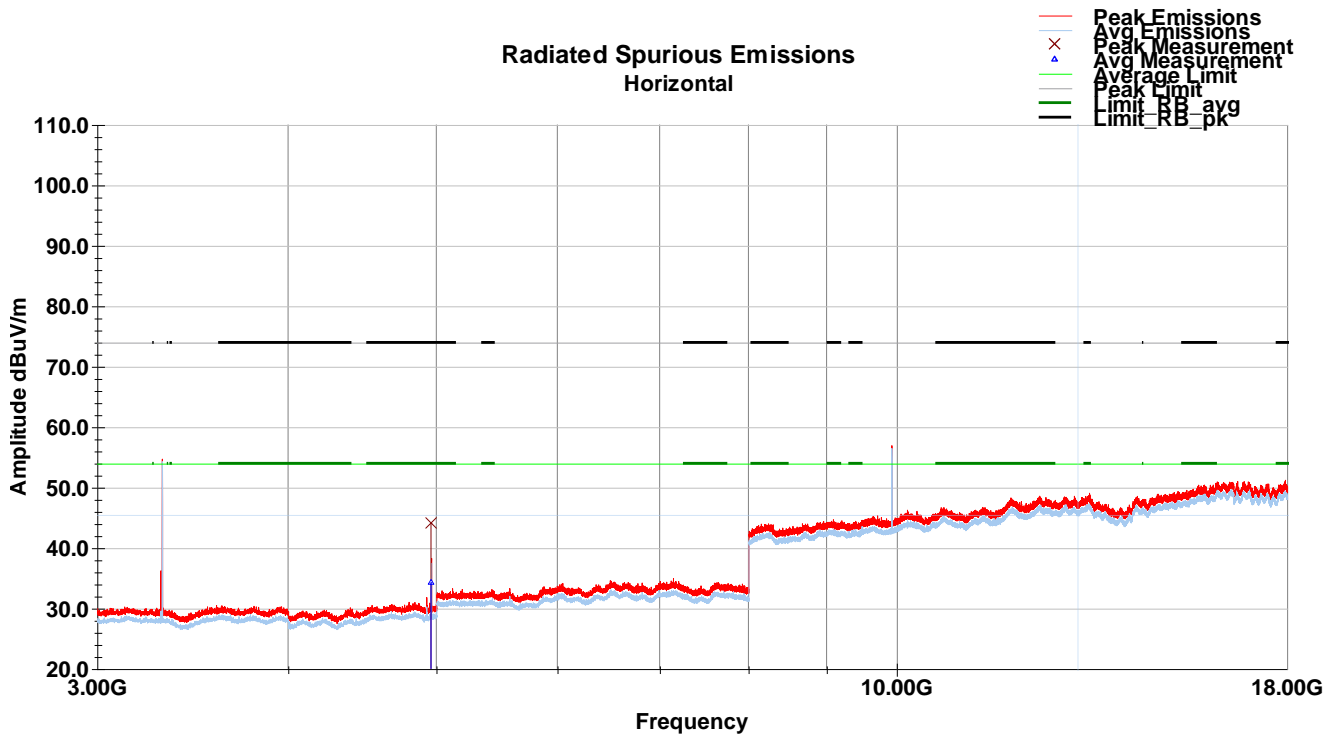
Horizontal Radiated Spurious Emissions – 1-3GHz (HCH)



Vertical Radiated Spurious Emissions – 3-18GHz (HCH)



Other spurious emissions are not within restricted bands
Horizontal Radiated Spurious Emissions – 3-18GHz (HCH)



Other spurious emissions are not within restricted bands

7.6 Test Data – Tabular Data

Frequency MHz	Raw dBµV	Polarity (V/H)	Azimuth (degrees)	Height (cm)	AF (dB/m)	Loss (dB)	Amp (dB)	DCCF (dB)	Final dBµV/m	Limit dBµV/m	Margin dB	Detector
Low Channel (2402MHz)												
4804.00	48.0	V	127.0	250.0	34.6	3.4	42.0	0.0	44.0	74.0	-30.0	Peak
4804.00	36.8	V	127.0	250.0	34.6	3.4	42.0	1.8	34.6	54.0	-19.4	Average
4804.00	45.5	H	80.0	250.0	34.6	3.4	42.0	0.0	41.5	74.0	-32.5	Peak
4804.00	32.7	H	80.0	250.0	34.6	3.4	42.0	1.8	30.5	54.0	-23.5	Average
Mid Channel (2440MHz)												
4880.00	45.2	V	326.0	250.0	34.5	3.5	42.0	0.0	41.2	74.0	-32.8	Peak
4880.00	32.1	V	326.0	250.0	34.5	3.5	42.0	1.8	29.9	54.0	-24.1	Average
4880.00	44.3	H	43.0	250.0	34.5	3.5	42.0	0.0	40.3	74.0	-33.7	Peak
4880.00	32.0	H	43.0	250.0	34.5	3.5	42.0	1.8	29.8	54.0	-24.2	Average
High Channel (2480MHz)												
4960.00	47.8	V	210.0	250.0	34.5	3.6	42.0	0.0	43.9	74.0	-30.1	Peak
4960.00	38.2	V	210.0	250.0	34.5	3.6	42.0	1.8	36.1	54.0	-17.9	Average
4960.00	48.1	H	68.0	250.0	34.5	3.6	42.0	0.0	44.2	74.0	-29.8	Peak
4960.00	38.3	H	68.0	250.0	34.5	3.6	42.0	1.8	36.2	54.0	-17.8	Average
Final (Peak) = Raw + AF + CL - Amp												
Final (Avg) = Raw + AF + CL - Amp + DCCF												
Margin = Final - Limit												

8 Emissions in Restricted Frequency Bands (Band Edge)

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

EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 22.8 °C

Relative Humidity: 49.6 %

Atmospheric Pressure: 98.0 kPa

8.4 Test Equipment

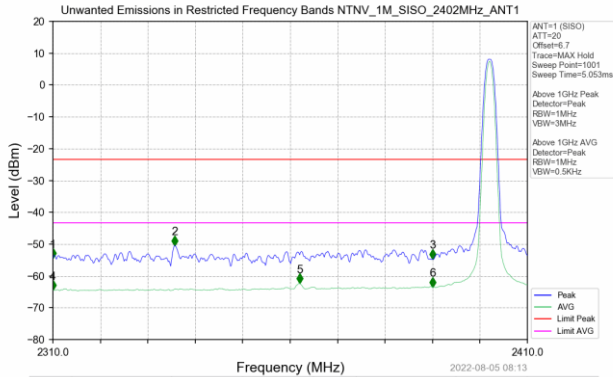
Test End Date: 8/6/2022

Tester: JOP

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20109	16-Mar-2022	16-Mar-2023
SIGNAL ANALYZER (TS8997)	FSV30	ROHDE & SCHWARZ	B085749	4-Jan-2022	4-Jan-2024

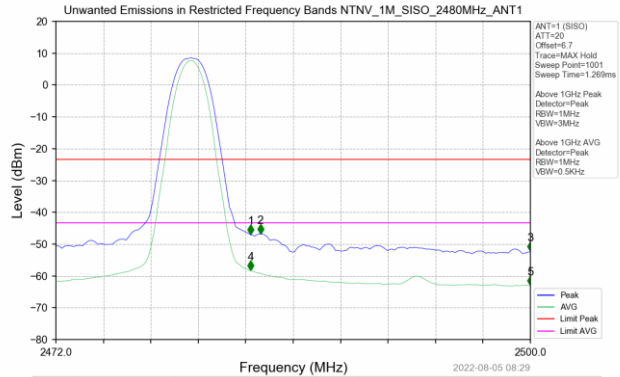
8.5 Test Data – Restricted Band Edges

1M Low Channel



Marker No	Frequency (MHz)	Level (dBm)	Remark	Marker No	Frequency (MHz)	Level (dBm)	Remark
1	2310.000	-54.412	Peak	4	2310.000	-64.436	AVG
2	2335.700	-50.488	Peak	5	2362.000	-62.321	AVG
3	2390.000	-54.690	Peak	6	2390.000	-63.522	AVG

1M High Channel



Marker No	Frequency (MHz)	Level (dBm)	Remark	Marker No	Frequency (MHz)	Level (dBm)	Remark
1	2483.500	-46.968	Peak	4	2483.500	-58.308	AVG
2	2484.068	-46.793	Peak	5	2500.000	-63.064	AVG
3	2500.000	-52.381	Peak				

9 Conducted Emissions

9.1 Test Result

Test Description	Classification	Basic Standards	Test Result
Conducted Emissions	B	ANSI C63.4 / RSS-GEN	Compliant

9.2 Test Method

With the receiver's Resolution Bandwidth (RBW) set to 9 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	Limits (dB μ V)
0.15 to 0.5 MHz	Quasi-Peak 66 to 56 / Average 56 to 46
0.5 to 5 MHz	Quasi-Peak 56 / Average 46
5 to 30 MHz	Quasi-Peak 60 / Average 50

9.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Environmental Conditions

Temperature: 23.0 °C

Relative Humidity: 47.9 %

Atmospheric Pressure: 98.14 kPa

9.4 Test Equipment

Test End Date: 24-Aug-2022

Tester: AB

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
LINE IMPEDANCE STABILIZATION NETWORK	NNB 51	TESEQ	B085882	15-Apr-2022	15-Apr-2023
RF CABLE	UC-N-MM-78	MAURY MICROWAVE	17017	25-Aug-2021	25-Aug-2022
EMI RECEIVER	ESW44	ROHDE & SCHWARZ	B079793	26-Oct-2021	12-Mar-2023

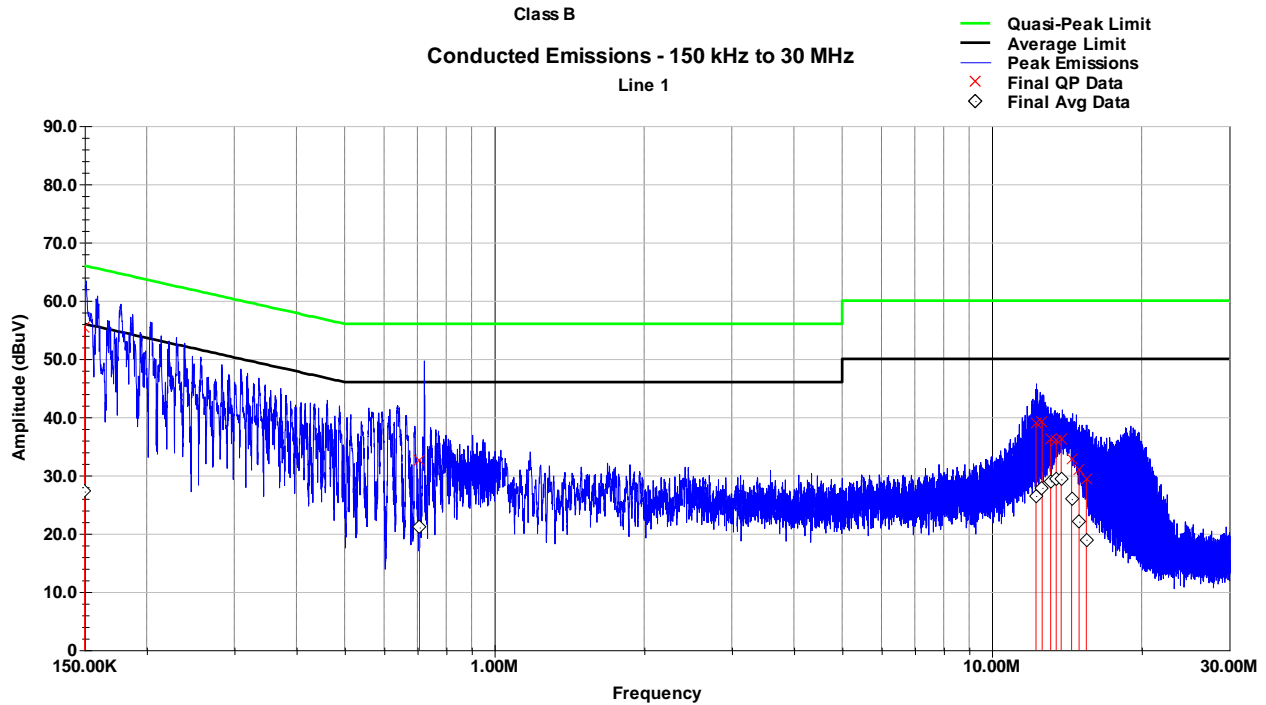
Note: Refer to equipment list for calibration intervals.

Software:

TILE! software profile "Conducted Emissions T7 220318.TIL" dated 18 03 2022

9.5 Test Data

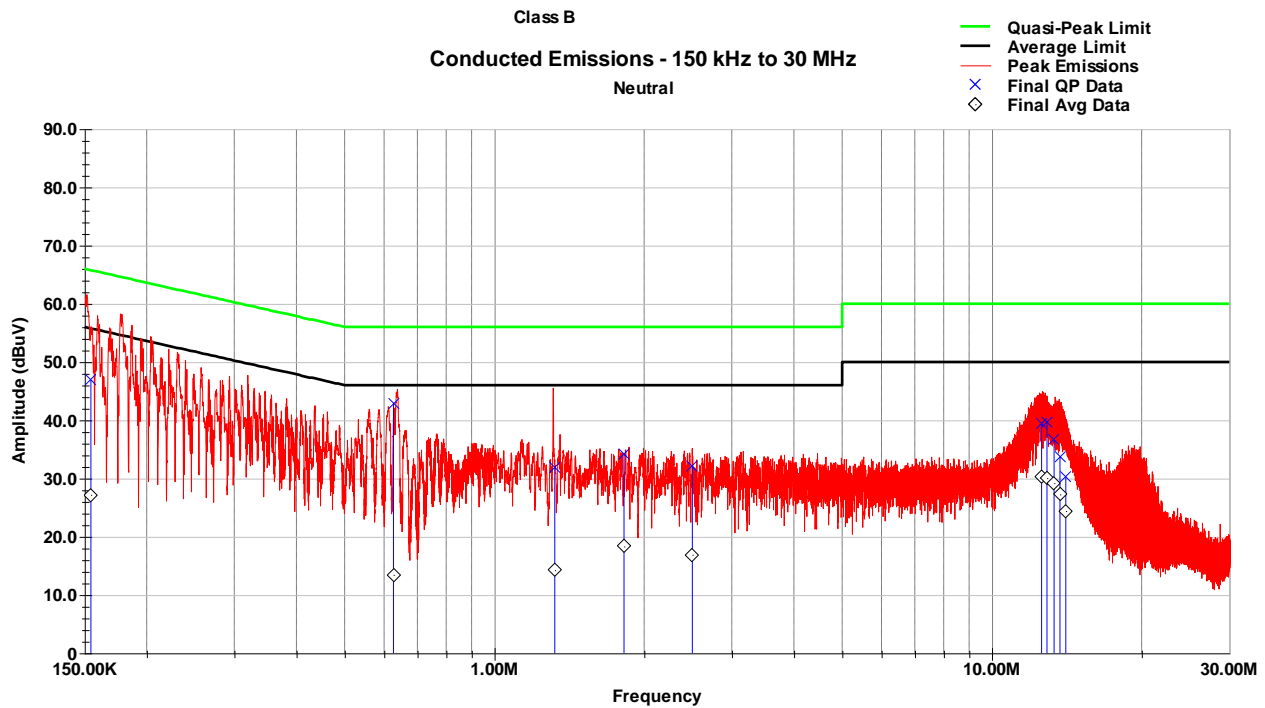
Line 1 Conducted Emissions – Peak Plot



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
0.150	55.5	66.0	-10.5	27.2	56.0	-28.8
0.707	32.6	56.0	-23.4	21.0	46.0	-25.0
12.261	38.9	60.0	-21.1	26.5	50.0	-23.5
12.620	39.1	60.0	-20.9	27.9	50.0	-22.1
13.128	36.2	60.0	-23.8	29.0	50.0	-21.0
13.463	36.1	60.0	-23.9	29.5	50.0	-20.5
13.784	36.2	60.0	-23.8	29.3	50.0	-20.7
14.460	32.8	60.0	-27.2	25.9	50.0	-24.1
14.973	31.1	60.0	-28.9	22.0	50.0	-28.0
15.483	29.3	60.0	-30.7	19.0	50.0	-31.0

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
0.154	46.9	65.7	-18.8	27.2	55.7	-28.5
0.627	42.9	56.0	-13.1	13.5	46.0	-32.5
1.322	31.9	56.0	-24.1	14.3	46.0	-31.7
1.822	34.1	56.0	-21.9	18.3	46.0	-27.7
2.499	32.1	56.0	-23.9	16.9	46.0	-29.1
12.586	39.4	60.0	-20.6	30.3	50.0	-19.7
12.903	39.7	60.0	-20.3	30.1	50.0	-19.9
13.334	36.6	60.0	-23.4	29.2	50.0	-20.8
13.703	33.6	60.0	-26.4	27.3	50.0	-22.7
14.075	30.3	60.0	-29.7	24.4	50.0	-25.6

10 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)).

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 %

11 Revision History

Revision Level	Description of changes	Revision Date
0	Initial release	12 January 2023