

Radio Test Report

Manufacturer: Enterra Medical, Inc.
IPG. Model: 10102 IPG



In accordance with FCC 47 CFR Part 15C and
ISED RSS-247 and ISED RSS-GEN

Prepared for: Enterra Medical, Inc.
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EXECUTIVE SUMMARY
A sample of this product was tested and found to be compliant with FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-GEN 2023, Issue 4 (2025-07) and Issue 5 (2018-04) + A2 (2021-02) for the tests detailed in section 1.3.

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1 Report Summary

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
01	First version	August 07, 2025
02	Added FCC ID under Section 1.2	September 15, 2026
03	Added RBW/VBW/Detector as applicable under Section 2.4,2.7 and 2.8	September 16, 2026
	Added Peak measurements under Section 2.5	

Table 1

1.2 Introduction

Applicant	Enterra Medical, Inc.
Manufacturer	Enterra Medical, Inc.
Model Number(s)	10102 IPG
Serial Number(s)	EMT 000295E and EMT 000293E
Hardware Version(s)	N/A
Software Version(s)	1.1.0/87
FCC ID	2BH4M-10102
Number of Samples Tested	2
Test Specification/Issue/Date	FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-GEN 2023, Issue 4 (2025-07), Issue 5 (2018-04) + A2 (2021-02)
Test Plan/Issue/Date	DHF010-DVP-03534 Enterra Ascent IPG FCC 15.247 and EN 300 328 RF test protocol rev B
Order Number	0721002703
Date	04-August-2025
Date of Receipt of EUT	02-July-2025
Start of Test	02-July-2025
Finish of Test	10-July-2025
Name of Engineer(s)	Miguel Angel Rabago Garcia and Ferdinand Custodio
Related Document(s)	ANSI C63.10 (2020) KDB 662911 D01 v02r01 KDB 996369 D04 Module Integration Guide v02 ANSI C63.4 (2014)



1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC 47 CFR Part 15C and ISED RSS-247 and ISED RSS-GEN is shown below.

Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuration and Mode: BLE in TX Mode- _Bluetooth				
2.1	15.203	Antenna Requirement	Pass	
2.2	15.205, 3.3 and 8.10	Restricted Band Edges	Pass	ANSI C63.10 (2020)
2.3	15.207, 3.1 and 8.8	AC Power Line Conducted Emissions	N/A	EUT is battery operated
2.4	15.247 (a)(2), 5.2 and 6.7	Emission Bandwidth	Pass	ANSI C63.10 (2020)
2.5	15.247 (b), 5.4 and 6.12	Maximum Conducted Output Power	Pass	ANSI C63.10 (2020) KDB 662911 D01 v02r01
2.6	15.247 (d), 5.5 and N/A	Authorised Band Edges	Pass	ANSI C63.10 (2020)
2.7	15.247 (d) and 15.209, 3.3 and 5.5 and 6.13 and 8.9	Spurious Radiated Emissions	Pass	ANSI C63.10 (2020) KDB 996369 D04 Module Integration Guide v02 ANSI C63.4 (2014)
2.8	15.247 (e), 5.2 and 6.12	Power Spectral Density	Pass	ANSI C63.10 (2020) KDB 662911 D01 v02r01
	15.247 (d) and 15.209, 3.3 and 5.5 and 6.13 and 8.9	Conducted Spurious Emissions from the Antenna Port	N/A	EUT is implantable. Spurious Emissions are performed radiated and while inside a tissue/torso simulator

Table 2



1.4 Product Information

1.4.1 Technical Description

The EUT is an implantable neurostimulator producing the electrical pulse that stimulates stomach muscle. A special battery and electronics inside the EUT control the electrical stimulation. The EUT connects to the leads to carry the electrical pulse to stomach muscle. The leads are wires that carry the electrical pulse from the EUT to the stomach muscle.

The EUT uses BLE technology to communicate with a clinician programmer.

1.5 Deviations from the Standard

No deviations from the applicable test standard were made during testing.

1.6 EUT Modification Record

The table below details modifications made to the EUT during the test programme.

The modifications incorporated during each test are recorded on the appropriate test pages.

Modification State	Description of Modification still fitted to EUT	Modification Fitted By	Date Modification Fitted
IPG, Model: 10102 IPG, Serial Number: EMT 000295E (Radiated Sample)			
0	As supplied by the customer	Not Applicable	Not Applicable
IPG, Model: 10102 IPG, Serial Number: EMT 000293E (Conducted Sample)			
0	As supplied by the customer	Not Applicable	Not Applicable

Table 3

1.7 Test Location

TÜV SÜD conducted the following tests at our San Diego Test Laboratory.

Test Name	Name of Engineer(s)	Accreditation
Configuration and Mode: BLE in TX Mode-_-Bluetooth		
Restricted Band Edges	Ferdinand Custodio	A2LA
Emission Bandwidth	Ferdinand Custodio	A2LA
Maximum Conducted Output Power	Ferdinand Custodio	A2LA
Authorised Band Edges	Miguel Angel Rabago Garcia	A2LA
Spurious Radiated Emissions	Miguel Angel Rabago Garcia	A2LA
Power Spectral Density	Ferdinand Custodio	A2LA

Table 4

Laboratory Address: 10040 Mesa Rim Road,
San Diego, CA,
92121, US



2 Test Details

2.1 Antenna Requirement

2.1.1 Specification Reference

FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-GEN, Clause 15.203

2.1.2 Equipment Under Test and Modification State

10102 IPG, S/N: EMT 000295E - Modification State 0

2.1.3 Date of Verification

02-July-2025

2.1.4 Test Method

Visual confirmation

2.1.5 Test Results

The EUT uses a permanently attached antenna sufficient to comply with the provisions of §15.203 requirements. The EUT is an implantable device.

2.1.6 Test Location and Test Equipment Used

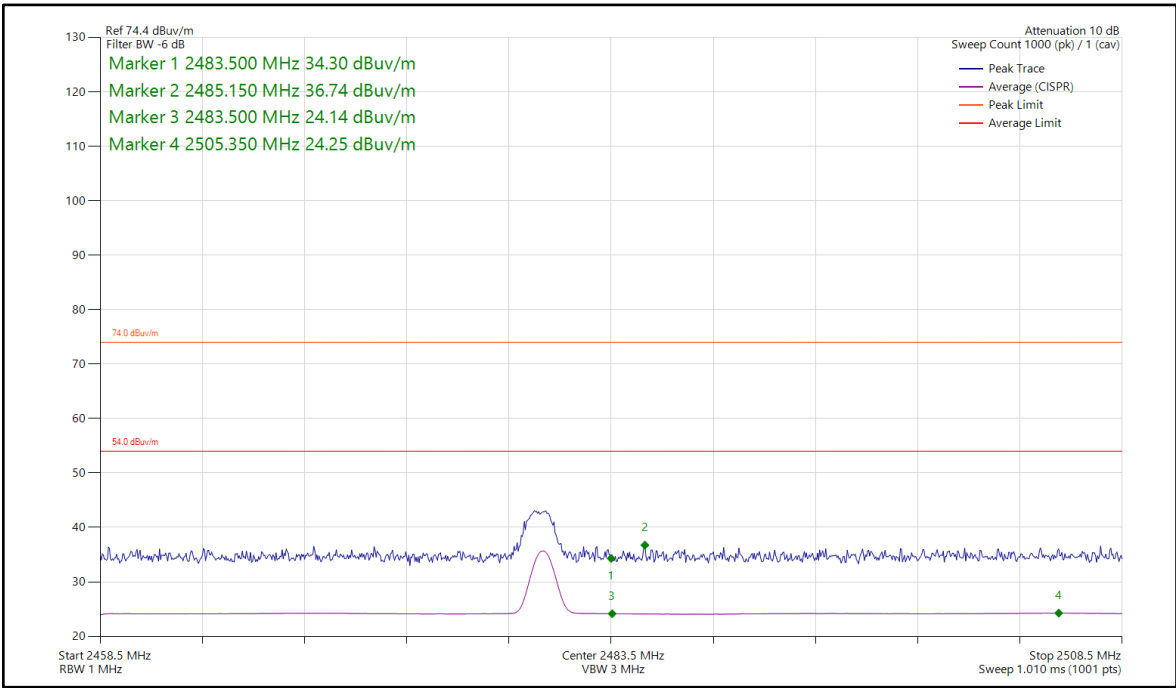
This verification was carried out in SR5 (MM).

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
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Table 5



Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Average Level (dBµV/m)	Average Limit (dBµV/m)	Compliance
2390.000	35.43	74			Complies
2390.000			23.97	54	Complies
2372.000	38.99	74			Complies
2370.680			24.23	54	Complies



High Channel, 2480 MHz, Band Edge Frequency 2483.5 MHz

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Average Level (dBµV/m)	Average Limit (dBµV/m)	Compliance
2483.500	34.30	74			Complies
2485.150			36.74	54	Complies
2483.500	24.14	74			Complies
2505.350			24.25	54	Complies

Table 6

FCC 47 CFR Part 15, Limit Clause 15.209

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$ at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960	500

Table 7

ISED RSS-GEN, Limit Clause 8.9

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$ at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960*	500

Table 8

*Unless otherwise specified, for all frequencies greater than 1 GHz, the radiated emission limits for licence-exempt radio apparatus stated in applicable RSSs (including RSS-Gen) are based on measurements using a linear average detector function having a minimum resolution bandwidth of 1 MHz. If an average limit is specified for the EUT, then the peak emission shall also be measured with instrumentation properly adjusted for such factors as pulse desensitization to ensure the peak emission is less than 20 dB above the average limit.

2.2.7 Test Location and Test Equipment Used

This test was carried out in SR5 (MM).

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
ESW44 EMI Test Receiver	Rohde & Schwarz	ESW44 with HF Option	68210	1 year	29-Jun-2026
1-10 GHz Broad-Band Horn Antenna	Schwarzbeck Mess-Elektronik	BBHA 9120 B	69563	1 year	06-Nov-2025
TUV SSU 010 PLC US	TUV SUD UK	TUV SSU 010 PLC US	74136	1 year	16-Apr-2026

Table 9



2.3 AC Power Line Conducted Emissions

2.3.1 Specification Reference

FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-GEN, Clause 15.207, 3.1 and 8.8

2.3.2 Equipment Under Test and Modification State

N/A

2.3.3 Date of Test

N/A

2.3.4 Test Method

BLE in TX Mode- -Bluetooth

The test was performed in accordance with ANSI C63.10, clause 6.2.

The EUT was placed on a non-conductive table 0.8m above a reference ground plane and 0.4m away from a vertical coupling plane

All power was connected to the EUT through an Artificial Mains Network (AMN).

Conducted disturbance voltage measurements on mains lines were made at the output of the AMN.

2.3.5 Test Results

Not performed. EUT is an implantable device with an integral battery. There are no provisions for the EUT to connect to public AC Mains.

2.4 Emission Bandwidth

2.4.1 Specification Reference

FCC 47 CFR Part 15C, ISSED RSS-247 and ISSED RSS-GEN, Clause 15.247 (a)(2), 5.2 and 6.7

2.4.2 Equipment Under Test and Modification State

10102 IPG, S/N: EMT 000293E - Modification State 0

2.4.3 Date of Test

July 02, 2025

2.4.4 Test Method

BLE in TX Mode- -Bluetooth

This test was performed in accordance with ANSI C63.10, clause 11.8.1 for 6 dB BW and 6.9.3 for 99% occupied bandwidth measurements.

FCC 47 CFR Part 15, Limit Clause 15.247(a)(2) and ISSED RSS-247, Clause 5.2(a)

The minimum 6 dB Bandwidth shall be at least 500 kHz.

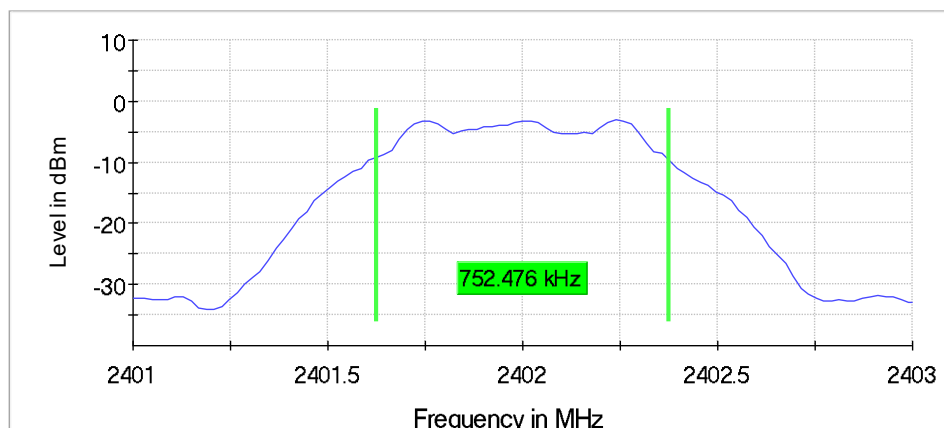
2.4.5 Environmental Conditions

Ambient Temperature 23.0 °C
Relative Humidity 53.9 %

2.4.6 Test Results

BLE in TX Mode- -Bluetooth

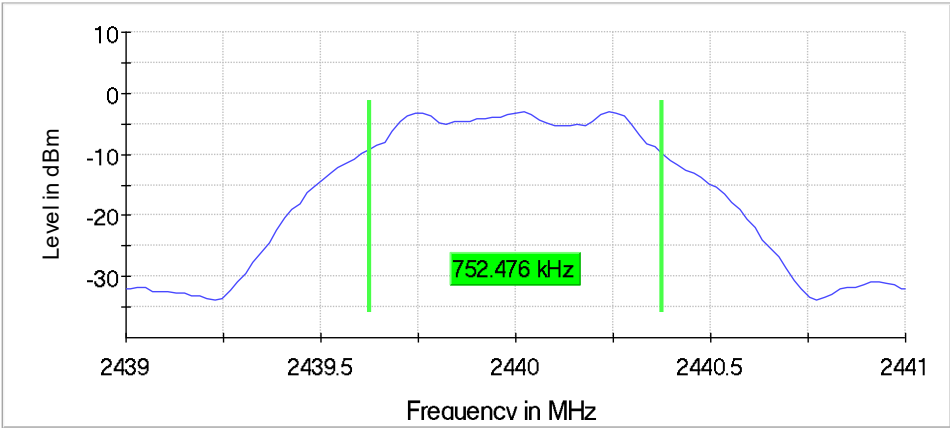
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2402.000000	0.752476	0.500000	2401.623762	2402.376238	-3.1	PASS



6 dB BW BLE Low Channel 1M PHY

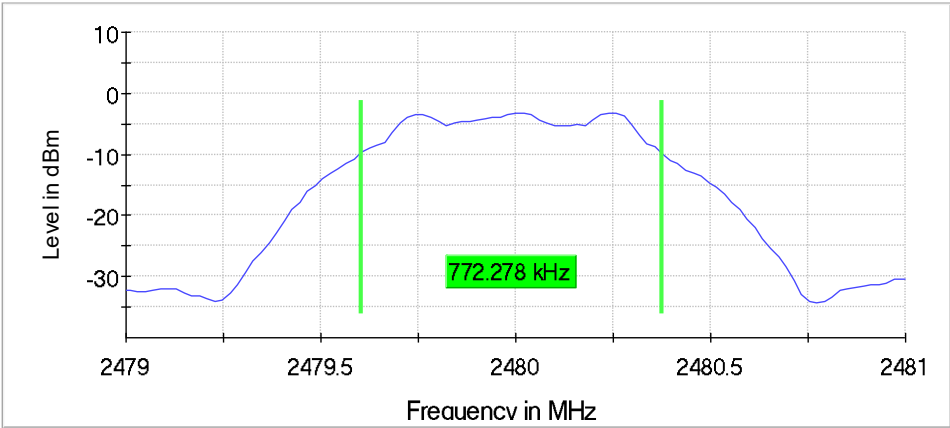


DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2440.000000	0.752476	0.500000	2439.623762	2440.376238	-3.1	PASS



6 dB BW BLE Mid Channel 1M PHY

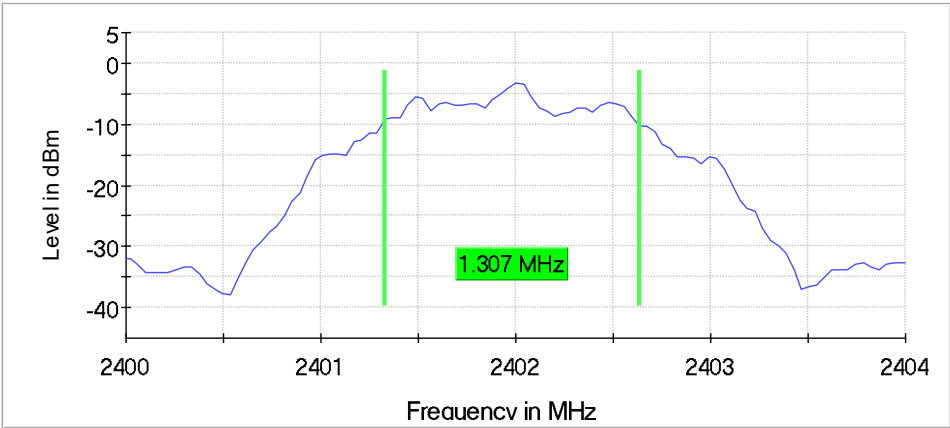
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2480.000000	0.772278	0.500000	2479.603960	2480.376238	-3.2	PASS



6 dB BW BLE High Channel 1M PHY

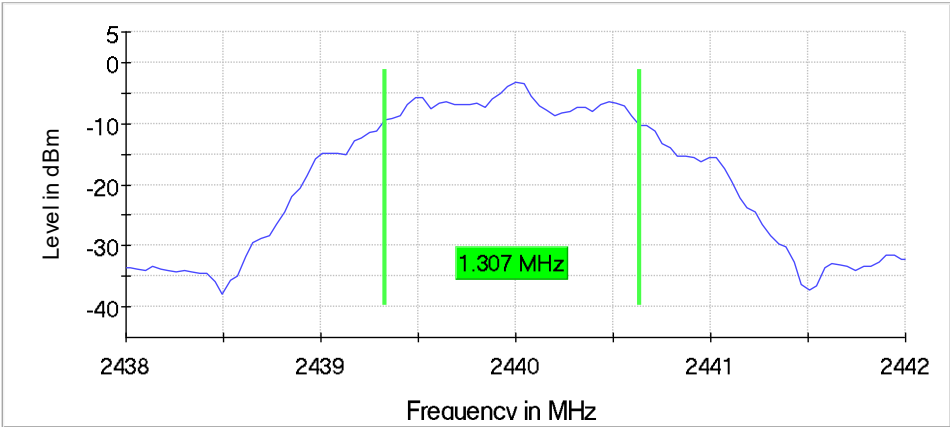


DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2402.000000	1.306930	0.500000	2401.326733	2402.633663	-3.2	PASS



6 dB BW BLE Low Channel 2M PHY

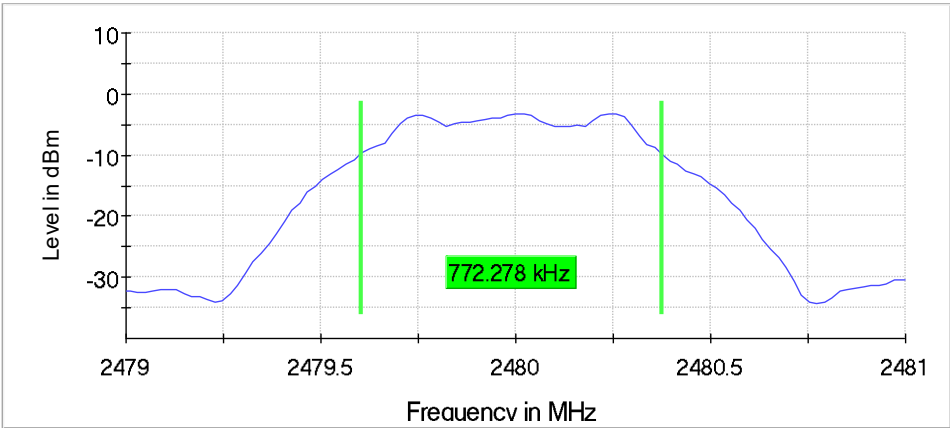
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2440.000000	1.306930	0.500000	2439.326733	2440.633663	-3.1	PASS



6 dB BW BLE Mid Channel 2M PHY

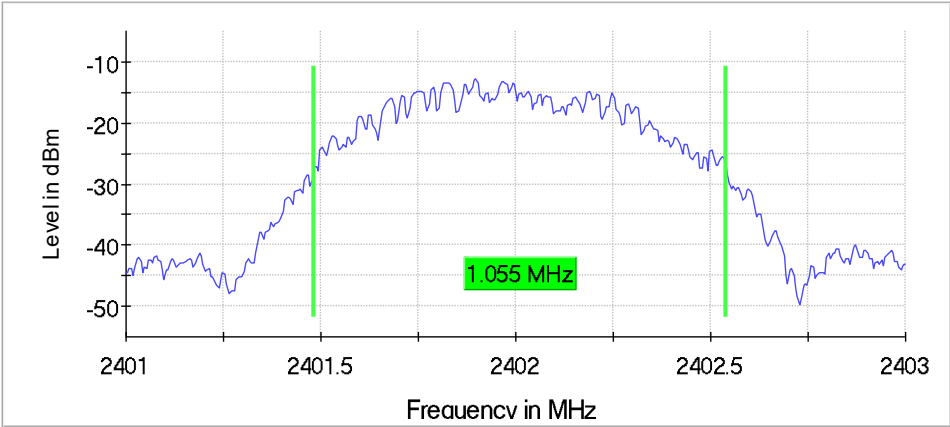


DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2480.000000	1.306930	0.500000	2479.326733	2480.633663	-3.3	PASS



6 dB BW BLE High Channel 2M PHY

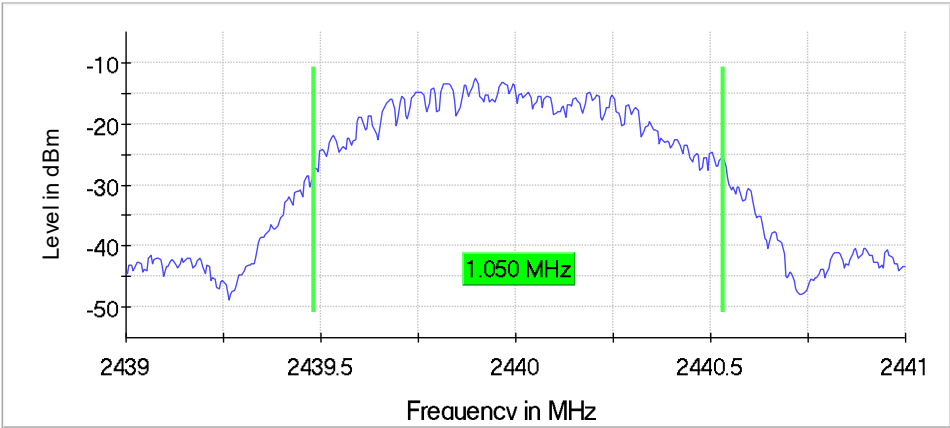
DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2402.000000	1.055000	2401.623762	2402.376238	PASS



99% OBW BLE Low Channel 1M PHY

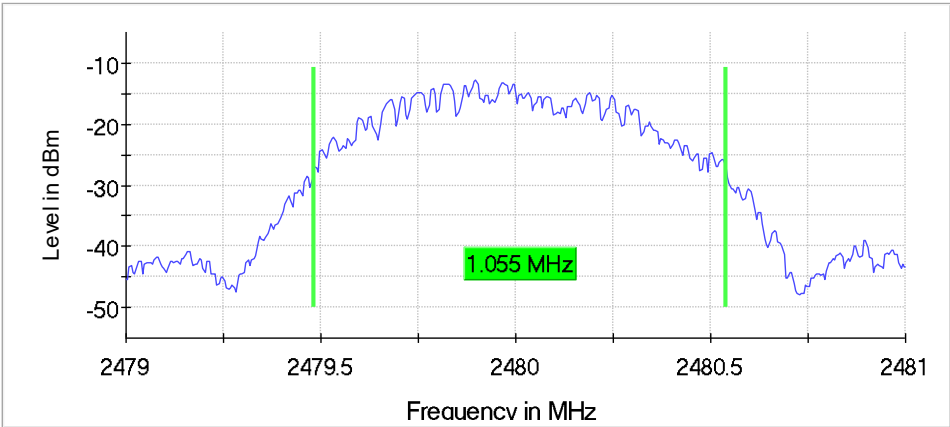


DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2440.000000	1.050000	2439.482500	2440.532500	PASS



99% OBW BLE Mid Channel 1M PHY

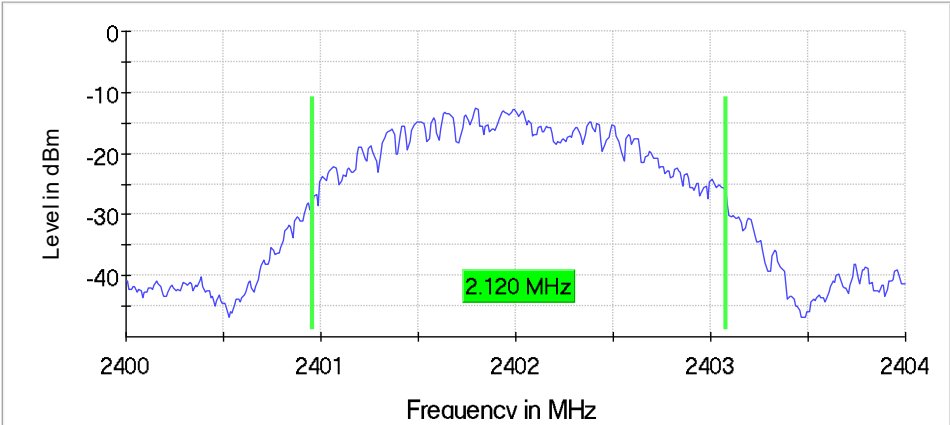
DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2480.000000	1.055000	2479.482500	2480.537500	PASS



99% OBW BLE High Channel 1M PHY

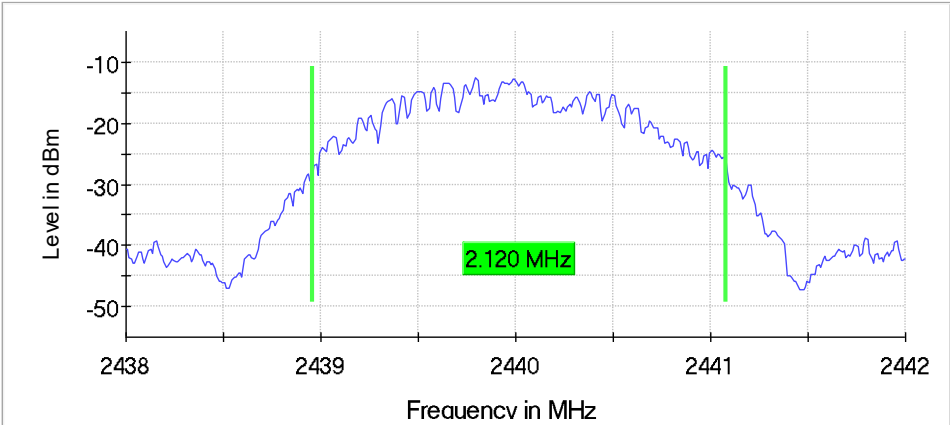


DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2402.000000	2.120000	2400.955000	2403.075000	PASS



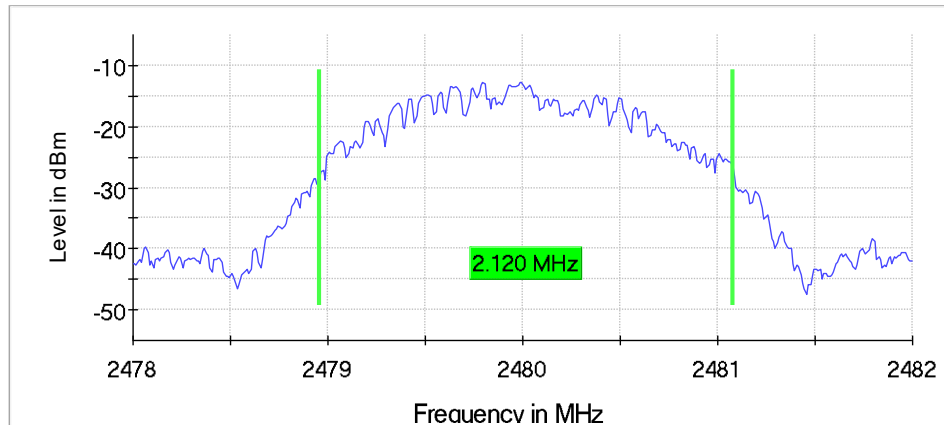
99% OBW BLE Low Channel 2M PHY

DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2440.000000	2.120000	2438.955000	2441.075000	PASS



99% OBW BLE Mid Channel 2M PHY

DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
2480.000000	2.120000	2478.955000	2481.075000	PASS



99% OBW BLE High Channel 2M PHY

2.4.7 Test Equipment Settings

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 40
SweepTime	18.938 μ s	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.09 dB	0.50 dB

2.4.8 Test Location and Test Equipment Used

This test was carried out in Rancho Bernardo facility SR8.



Instrument	Manufacturer	Type No	TM ID No	Calibration Period (months)	Calibration Expires
Signal/Spectrum Analyzer	Rohde & Schwarz	FSV30	30231	12	02/04/26
OSP with B157	Rohde & Schwarz	OSP120	34030	12	02/05/26

Table 10



2.5 Maximum Conducted Output Power

2.5.1 Specification Reference

FCC 47 CFR Part 15C, ISSED RSS-247 and ISSED RSS-GEN, Clause 15.247 (b), 5.4 and 6.12

2.5.2 Equipment Under Test and Modification State

10102 IPG, S/N: EMT 000293E - Modification State 0

2.5.3 Date of Test

July 02, 2025

2.5.4 Test Method

BLE in TX Mode- -Bluetooth

The test was performed in accordance with ANSI C63.10 clause 11.9.2.3.2 Method AVGPM-G OR 11.9.1.2 Method PKPM1.

2.5.5 Environmental Conditions

Ambient Temperature 23.0 °C
Relative Humidity 53.9 %

2.5.6 Test Results

BLE in TX Mode- -Bluetooth

FCC 47 CFR Part 15, Limit Clause 15.247 (b)(3)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt.

ISSED RSS-247, Limit Clause 5.4 (d)

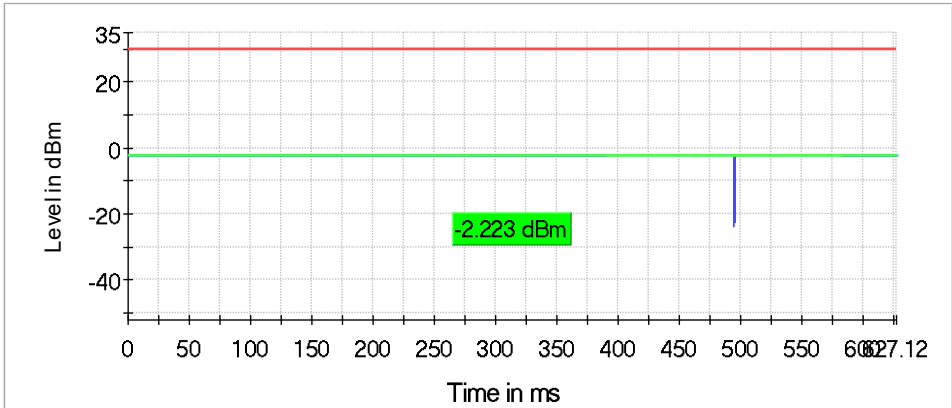
For DTSs employing digital modulation techniques operating in the bands 902-928 MHz and 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1 W. The e.i.r.p. shall not exceed 4 W, except as provided in section 5.4(e) of the specification.

Mode	DUT Frequency (MHz)	Gated RMS (dBm)	Peak (dBm)	Limit Max (dBm)	Result
1M PHY	2402.000000	-2.3	-0.26	30.0	PASS
	2440.000000	-2.2	-0.16	30.0	PASS
	2480.000000	-2.2	-0.16	30.0	PASS
2M PHY	2402.000000	-2.3	-0.26	30.0	PASS
	2440.000000	-2.3	-0.26	30.0	PASS
	2440.000000	-2.3	-0.26	30.0	PASS

Table 11

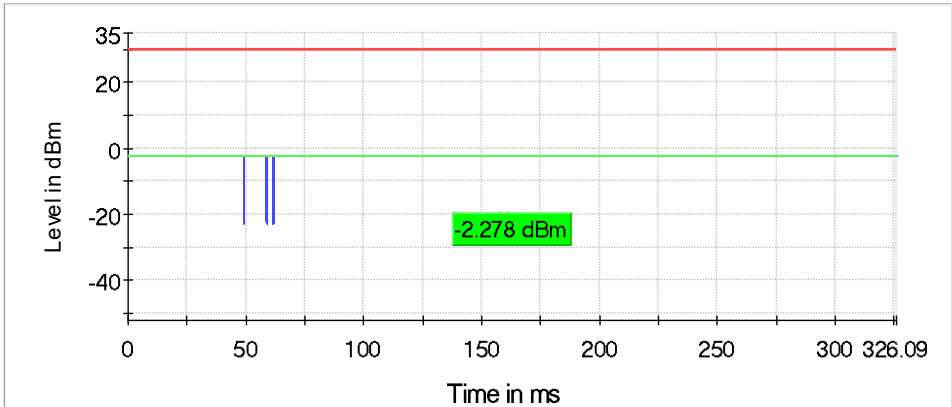


2.5.7 Sample Power Meter Plots



— Gated Trace — Overall — Limit

Mid Channel 1M PHY



— Gated Trace — Overall — Limit

Mid Channel 2M PHY

2.5.8 Test Equipment Settings (Power Meter Mode)

Setting	Instrument Value	Target Value
Measurement Time	1.000 s	1.000 s
Points	1000000	1000000
Time resolution	1.000 μ s	1.000 μ s



2.5.9 Test Location and Test Equipment Used

This test was carried out in Rancho Bernardo facility SR8.

Instrument	Manufacturer	Type No	TM ID No	Calibration Period (months)	Calibration Expires
Signal/Spectrum Analyzer	Rohde & Schwarz	FSV30	30231	12	02/04/26
OSP with B157	Rohde & Schwarz	OSP120	34030	12	02/05/26

Table 12



2.6 Authorised Band Edges

2.6.1 Specification Reference

FCC 47 CFR Part 15C, ISSED RSS-247 and ISSED RSS-GEN, Clause 15.247 (d), 5.5 and N/A

2.6.2 Equipment Under Test and Modification State

10102 IPG, S/N: EMT 000295E - Modification State 0

2.6.3 Date of Test

08-July-2025

2.6.4 Test Method

BLE in TX Mode- -Bluetooth

The test was performed in accordance with ANSI C63.10, clause 6.10.4.

2.6.5 Environmental Conditions

Ambient Temperature	23.1 °C
Relative Humidity	50.4 %

2.6.6 Test Results

FCC 47 CFR Part 15, Limit Clause 15.247 (d)

20 dB below the fundamental measured in a 100 kHz bandwidth using a peak detector. If the transmitter complies with the conducted power limits, based on the use of RMS averaging over a time interval, the attenuation required shall be 30 dB below the fundamental instead of 20 dB.

ISSED RSS-247, Limit Clause 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under Section 5.4(4), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.



Table 13

This test was carried out in Rancho Bernardo facility SR8.

Table 14



2.7 Spurious Radiated Emissions

2.7.1 Specification Reference

FCC 47 CFR Part 15C, ISSED RSS-247 and ISSED RSS-GEN, Clause 15.247 (d) and 15.209, 3.3 and 5.5 and 6.13 and 8.9

2.7.2 Equipment Under Test and Modification State

10102 IPG, S/N: EMT 000295E - Modification State 0

2.7.3 Date of Test

10-July-2025

2.7.4 Environmental Conditions

Ambient Temperature	23.8 °C
Relative Humidity	53.4 %

2.7.5 Test Method

BLE in TX Mode- -Bluetooth

This test was performed in accordance with ANSI C63.10, clause 6.3, 6.5 and 6.6.

For frequencies > 1 GHz, plots for average measurements were taken in accordance with ANSI C63.10, clause 11.12.2.5.2.

As an implant, the EUT was placed in a body tissue simulating liquid to simulate parameters set forth according to FCC KDB 865664. As the EUT was considered mobile/portable and therefore reasonable to be used in multiple planes, pre-scans were performed with the EUT orientated in X, Y and Z planes with reference to the ground plane with predefined depth from the wall of the cylinder per guidance from the manufacturer.

The plots shown are the characterization of the EUT. The limits on the plots represent the most stringent case for restricted bands, (74/54 dBuV/m) when compared to 20 dBc outside restricted bands. The limits shown have been used as a threshold to determine where further measurements are necessary. Where results are within 10 dB of the limits shown on the plots, further investigation was carried out and reported in results tables.

To determine the emission characteristic of the EUT above 18 GHz, the test antenna was swept over all faces of the EUT whilst observing a spectral display. The frequency of any emissions of interest was noted for formal measurement at the correct measurement distance of 1m. This procedure was repeated for all relevant transmit operating channels.

Where formal measurements have been necessary, the results have been presented in the emissions table.

2.7.6 Example Test Setup Diagram

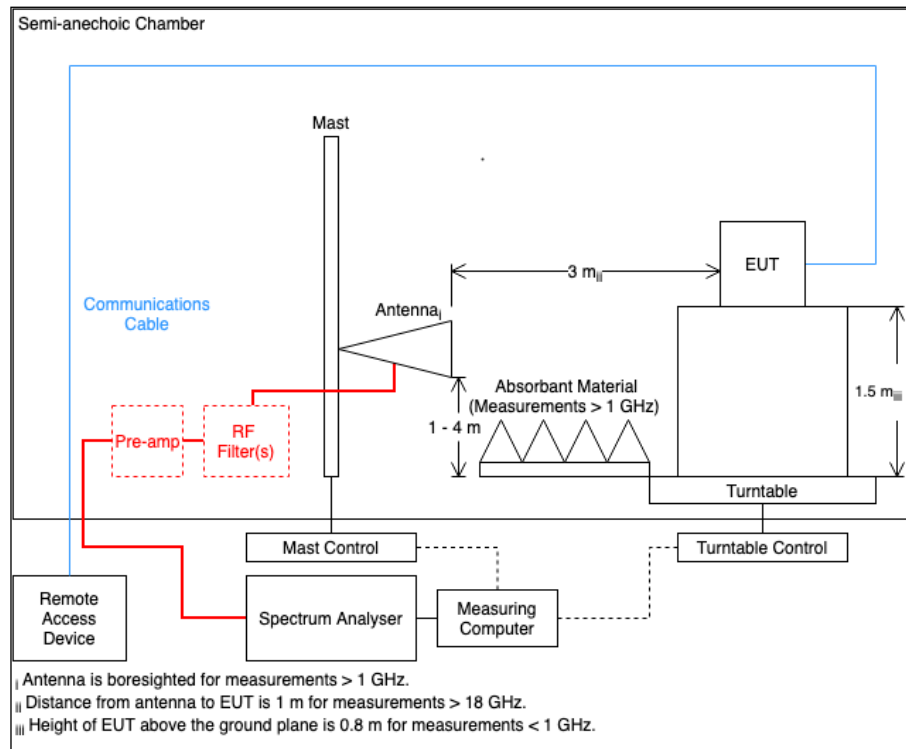


Figure 1

2.7.7 Environmental Conditions

Ambient Temperature 22.8°C
Relative Humidity 53.7%

2.7.8 Test Results

BLE in TX Mode- -Bluetooth

FCC 47 CFR Part 15, Limit Clause 15.247 (d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in 15.209(a)

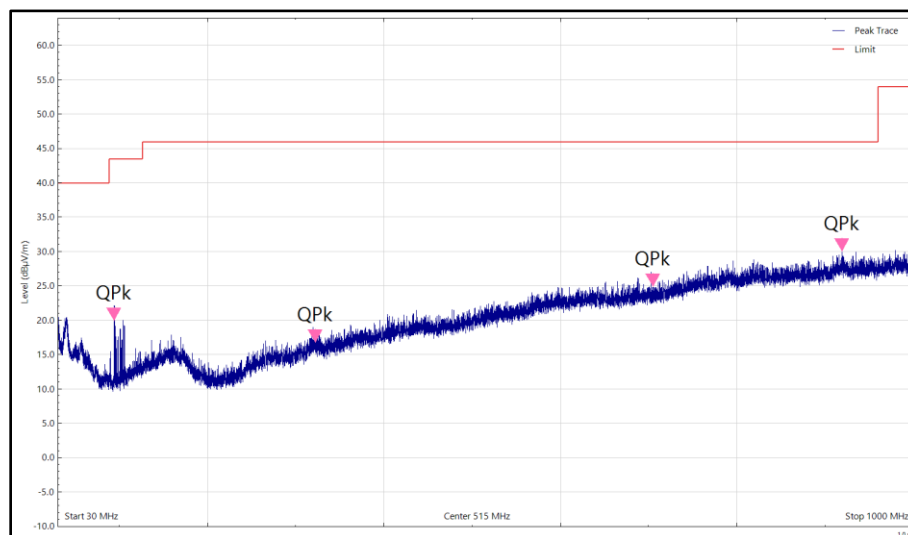
ISED RSS-247, Limit Clause 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under Section 5.4(4), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

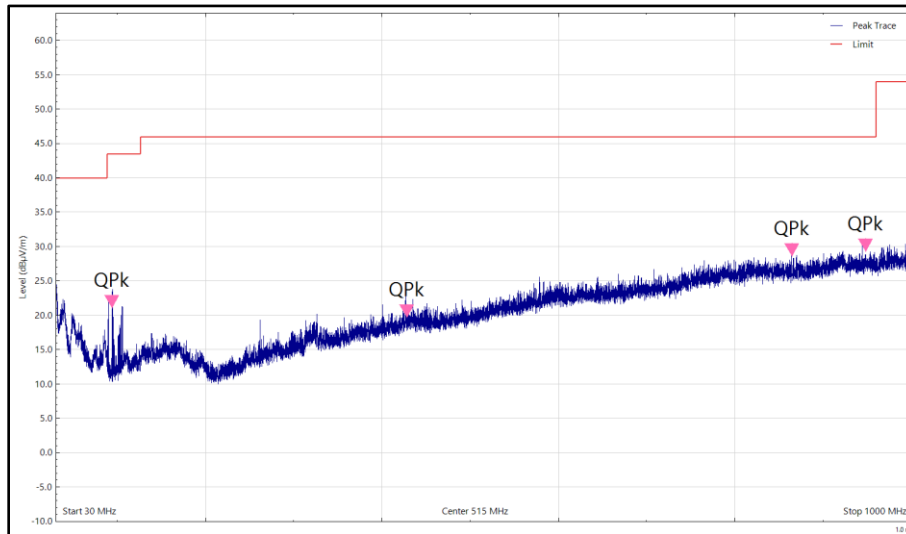
In addition, radiated emissions which fall in the restricted bands, as defined in RSS-GEN, clause 8.10, must also comply with the radiated emission limits specified in RSS-GEN clause 8.9.

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
94.151	20.85	43.50	-22.65	Q-Peak	120/300	350	124	Vertical
94.155	19.72	43.50	-23.78	Q-Peak	120/300	102	132	Horizontal
321.988	16.57	46.00	-29.43	Q-Peak	120/300	0	377	Horizontal
428.341	19.50	46.00	-26.50	Q-Peak	120/300	10	101	Vertical
705.137	24.71	46.00	-21.29	Q-Peak	120/300	360	119	Horizontal
865.087	28.35	46.00	-17.65	Q-Peak	120/300	358	249	Vertical
919.207	29.85	46.00	-16.15	Q-Peak	120/300	87	390	Horizontal
948.826	29.08	46.00	-16.92	Q-Peak	120/300	216	100	Vertical

Low Channel, 30MHz-1GHz



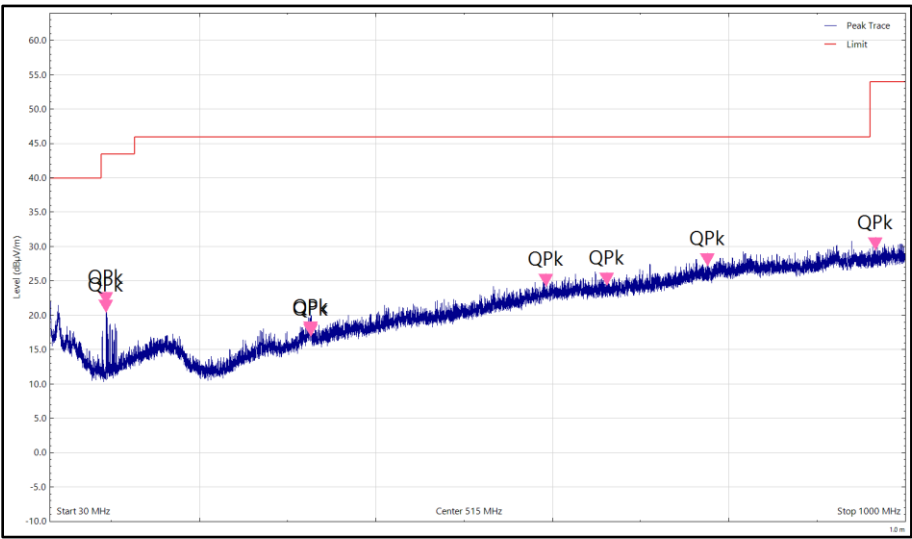
Low Channel, 30MHz-1GHz, Horizontal



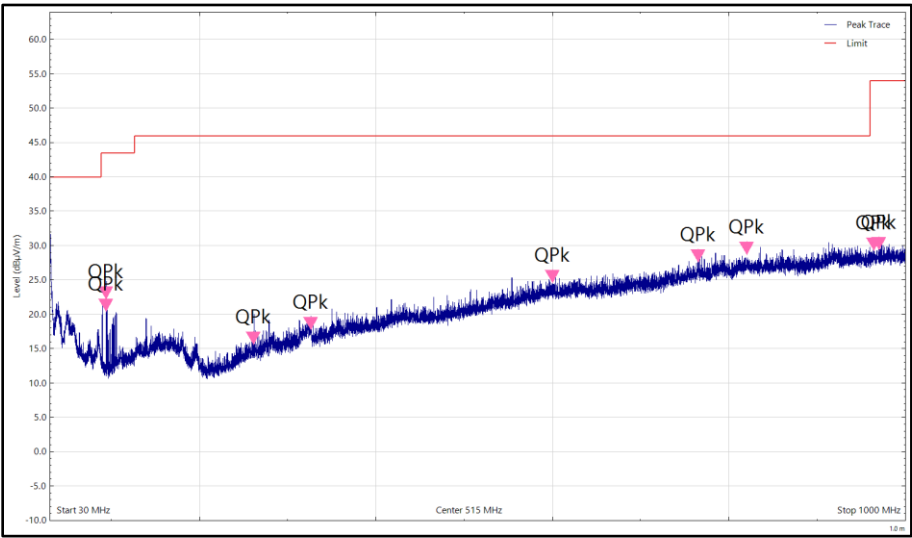
Low Channel, 30MHz-1GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
94.091	21.31	43.50	-22.19	Q-Peak	120/300	340	101	Horizontal
94.097	21.97	43.50	-21.53	Q-Peak	120/300	360	126	Vertical
94.109	20.14	43.50	-23.36	Q-Peak	120/300	174	125	Vertical
94.121	20.14	43.50	-23.36	Q-Peak	120/300	0	100	Horizontal
261.538	15.39	46.00	-30.61	Q-Peak	120/300	0	100	Vertical
326.112	16.62	46.00	-29.38	Q-Peak	120/300	356	382	Horizontal
326.147	17.03	46.00	-28.97	Q-Peak	120/300	10	282	Horizontal
326.190	17.47	46.00	-28.53	Q-Peak	120/300	186	240	Vertical
592.772	23.96	46.00	-22.04	Q-Peak	120/300	358	360	Horizontal
600.026	24.39	46.00	-21.61	Q-Peak	120/300	6	100	Vertical
662.123	24.12	46.00	-21.88	Q-Peak	120/300	4	269	Horizontal
765.462	27.35	46.00	-18.65	Q-Peak	120/300	348	311	Vertical
776.130	26.94	46.00	-19.06	Q-Peak	120/300	77	129	Horizontal
820.342	28.43	46.00	-17.57	Q-Peak	120/300	354	240	Vertical
964.832	29.06	54.00	-24.94	Q-Peak	120/300	143	367	Vertical
966.240	29.20	54.00	-24.80	Q-Peak	120/300	350	123	Horizontal
970.757	29.17	54.00	-24.83	Q-Peak	120/300	350	246	Vertical

Middle Channel, 30MHz-1GHz



Middle Channel, 30MHz-1GHz, Horizontal



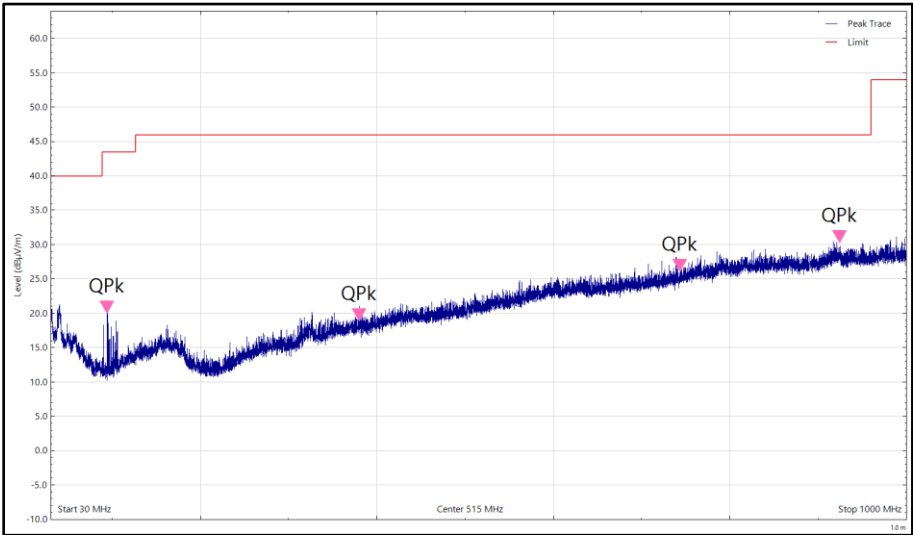
Middle Channel, 30MHz-1GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
94.108	19.77	43.50	-23.73	Q-Peak	120/300	7	127	Horizontal
94.159	20.09	43.50	-23.41	Q-Peak	120/300	26	132	Vertical
326.266	16.95	46.00	-29.05	Q-Peak	120/300	0	340	Vertical
379.812	18.62	46.00	-27.38	Q-Peak	120/300	139	133	Horizontal
695.907	24.65	46.00	-21.35	Q-Peak	120/300	7	276	Vertical
743.348	25.84	46.00	-20.16	Q-Peak	120/300	122	240	Horizontal

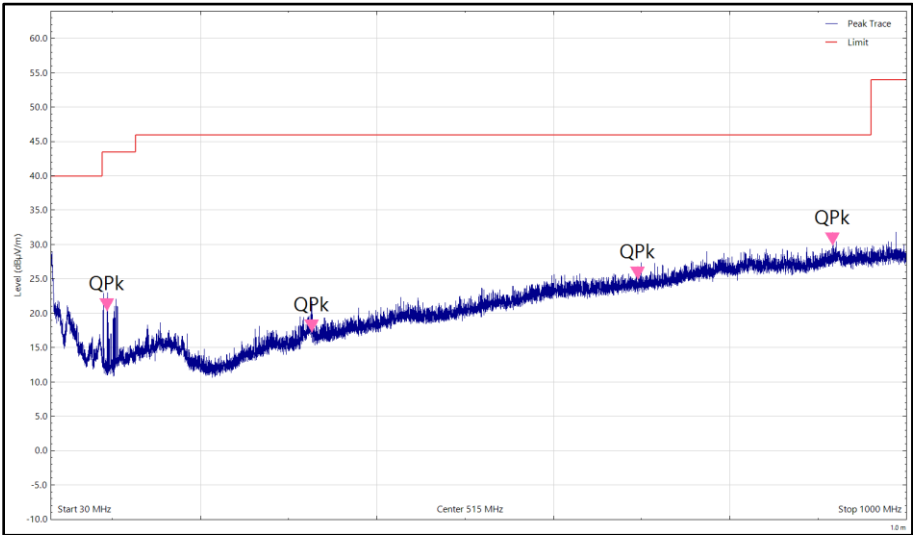


916.786	29.67	46.00	-16.33	Q-Peak	120/300	350	276	Vertical
924.364	30.01	46.00	-15.99	Q-Peak	120/300	2	239	Horizontal

High Channel, 30MHz-1GHz



High Channel, 30MHz-1GHz, Horizontal

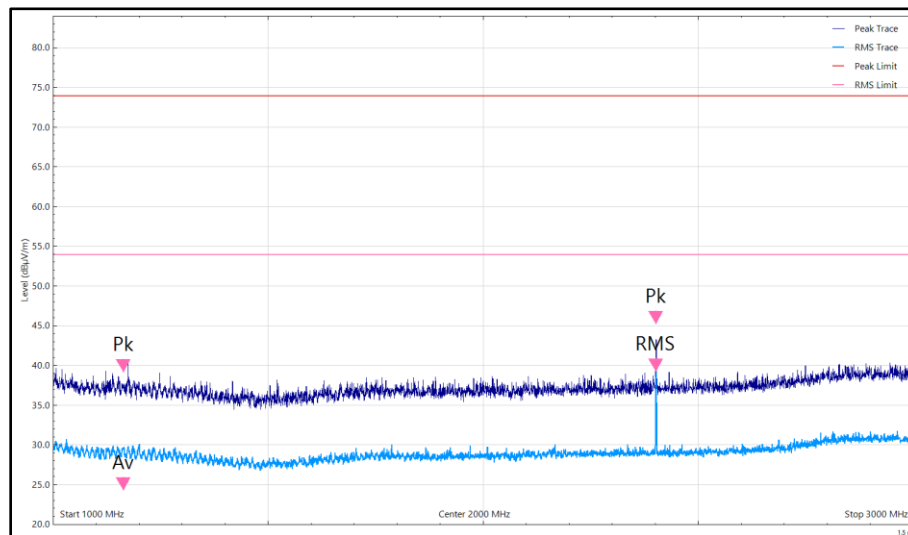


High Channel, 30MHz-1GHz, Vertical

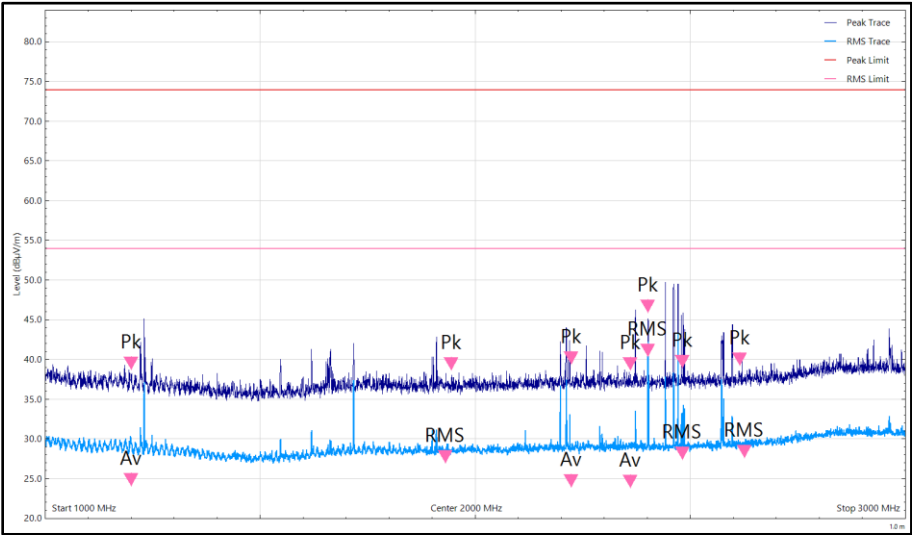
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
1164.490	38.99	74.00	-35.01	Peak	1000/3000	323	246	Horizontal
1164.490	24.09	54.00	-29.91	CISPR Avg	1000/3000	323	246	Horizontal
1200.687	38.53	74.00	-35.47	Peak	1000/3000	87	232	Vertical
1200.687	23.86	54.00	-30.14	CISPR Avg	1000/3000	87	232	Vertical

1931.259	26.75	54.00	-27.25	RMS	1000/3000	27	150	Vertical
1944.685	38.48	74.00	-35.52	Peak	1000/3000	27	150	Vertical
2223.900	39.19	74.00	-34.81	Peak	1000/3000	53	250	Vertical
2223.900	23.72	54.00	-30.28	CISPR Avg	1000/3000	53	250	Vertical
2360.813	38.48	74.00	-35.52	Peak	1000/3000	333	369	Vertical
2360.813	23.65	54.00	-30.35	CISPR Avg	1000/3000	333	369	Vertical
2401.962	40.14	54.00	-13.86	RMS	1000/3000	269	260	Vertical
2401.997	39.06	54.00	-14.94	RMS	1000/3000	344	153	Horizontal
2402.090	45.06	74.00	-28.94	Peak	1000/3000	344	153	Horizontal
2402.333	45.72	74.00	-28.28	Peak	1000/3000	269	260	Vertical
2481.927	38.77	74.00	-35.23	Peak	1000/3000	199	302	Vertical
2482.303	27.18	54.00	-26.82	RMS	1000/3000	199	302	Vertical
2615.902	39.02	74.00	-34.98	Peak	1000/3000	333	201	Vertical
2626.462	27.44	54.00	-26.56	RMS	1000/3000	333	201	Vertical
3007.871	41.01	74.00	-32.99	Peak	1000/3000	337	155	Vertical
1164.490	38.99	74.00	-35.01	Peak	1000/3000	337	155	Vertical
1164.490	24.09	54.00	-29.91	CISPR Avg	1000/3000	343	316	Horizontal
1200.687	38.53	74.00	-35.47	Peak	1000/3000	343	316	Horizontal

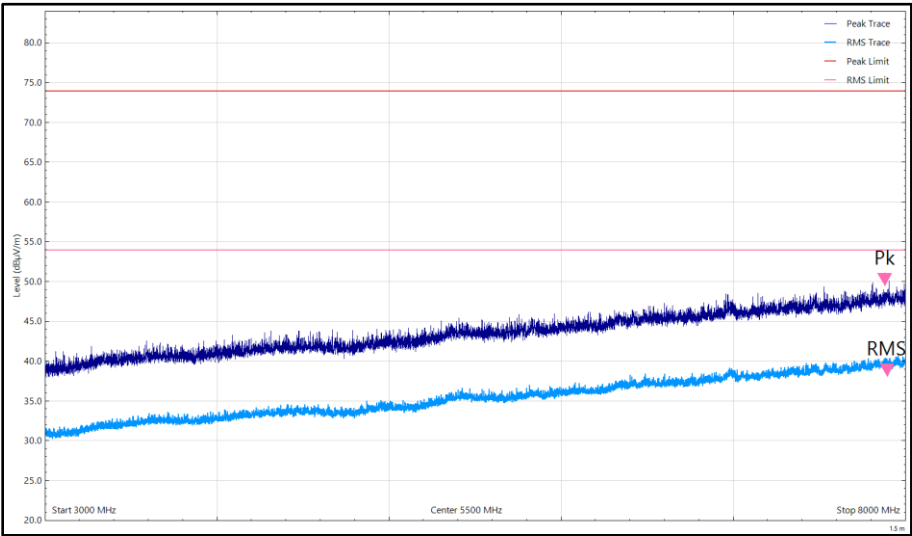
Low Channel, 1 to 8 GHz



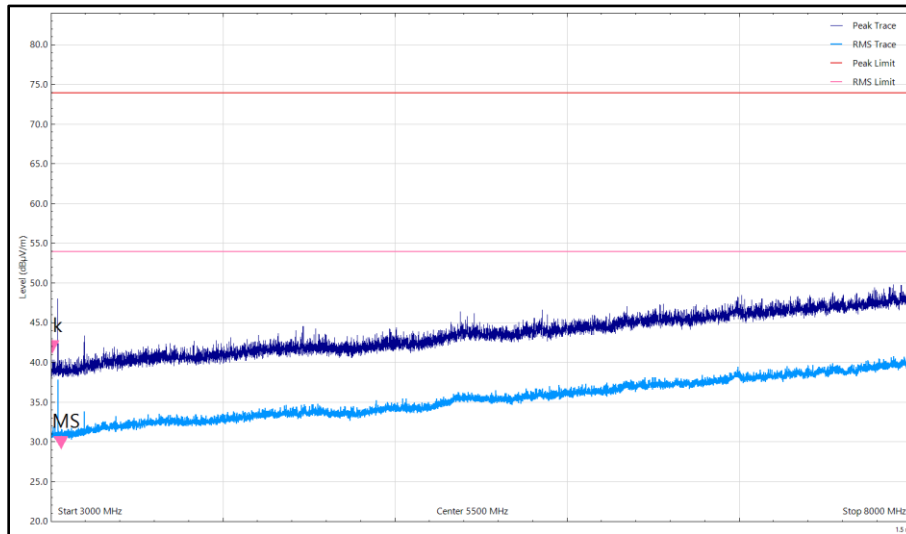
Low Channel, 1 to 3 GHz, Horizontal



Low Channel, 1 to 3 GHz, Vertical



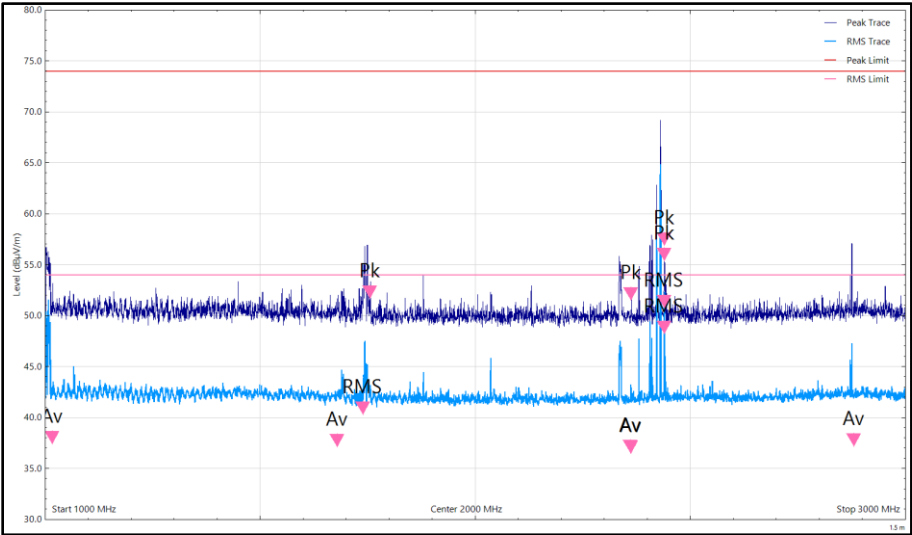
Low Channel, 3 to 8 GHz, Horizontal



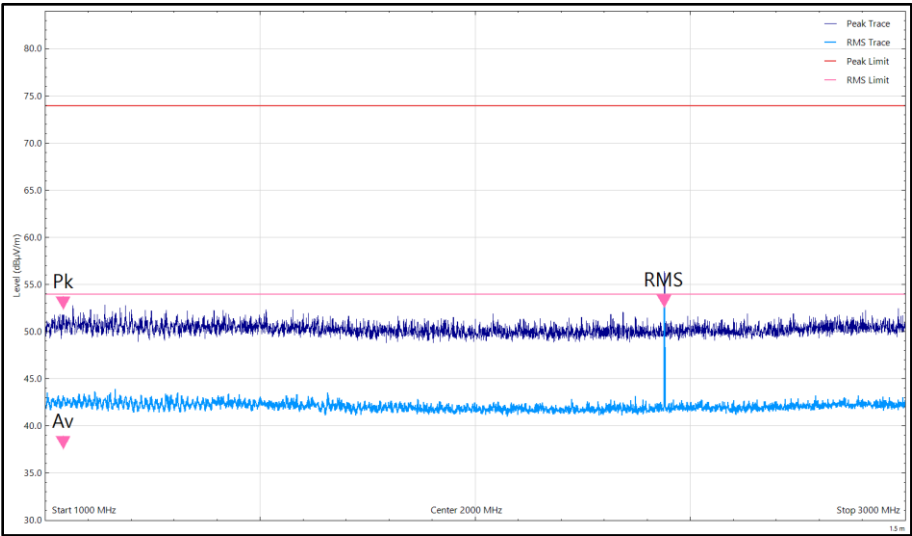
Low Channel, 3 to 8 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
1016.713	37.28	54.00	-16.72	CISPR Avg	1000/3000	323	246	Horizontal
1043.241	52.20	74.00	-21.80	Peak	1000/3000	323	246	Horizontal
1043.241	37.42	54.00	-16.58	CISPR Avg	1000/3000	87	232	Vertical
1679.979	36.99	54.00	-17.01	CISPR Avg	1000/3000	87	232	Vertical
1740.016	40.15	54.00	-13.85	RMS	1000/3000	27	150	Vertical
1755.319	51.55	74.00	-22.45	Peak	1000/3000	27	150	Vertical
2360.742	36.37	54.00	-17.63	CISPR Avg	1000/3000	53	250	Vertical
2362.493	51.34	74.00	-22.66	Peak	1000/3000	53	250	Vertical
2362.493	36.32	54.00	-17.68	CISPR Avg	1000/3000	333	369	Vertical
2439.720	56.74	74.00	-17.26	Peak	1000/3000	333	369	Vertical
2440.000	48.08	54.00	-5.92	RMS	1000/3000	269	260	Vertical
2440.000	50.61	54.00	-3.39	RMS	1000/3000	344	153	Horizontal
2440.010	52.37	54.00	-1.63	RMS	1000/3000	344	153	Horizontal
2440.420	55.25	74.00	-18.75	Peak	1000/3000	269	260	Vertical
2881.431	37.05	54.00	-16.95	CISPR Avg	1000/3000	199	302	Vertical
5569.566	52.98	74.00	-21.02	Peak	1000/3000	199	302	Vertical
5598.517	40.75	54.00	-13.25	RMS	1000/3000	333	201	Vertical
7343.837	37.64	54.00	-16.36	CISPR Avg	1000/3000	333	201	Vertical

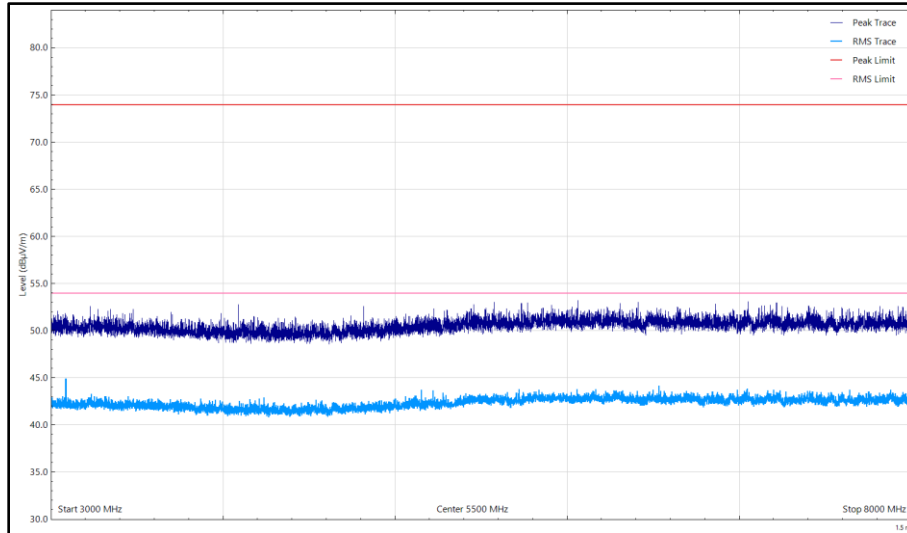
Mid Channel, 1 to 8 GHz



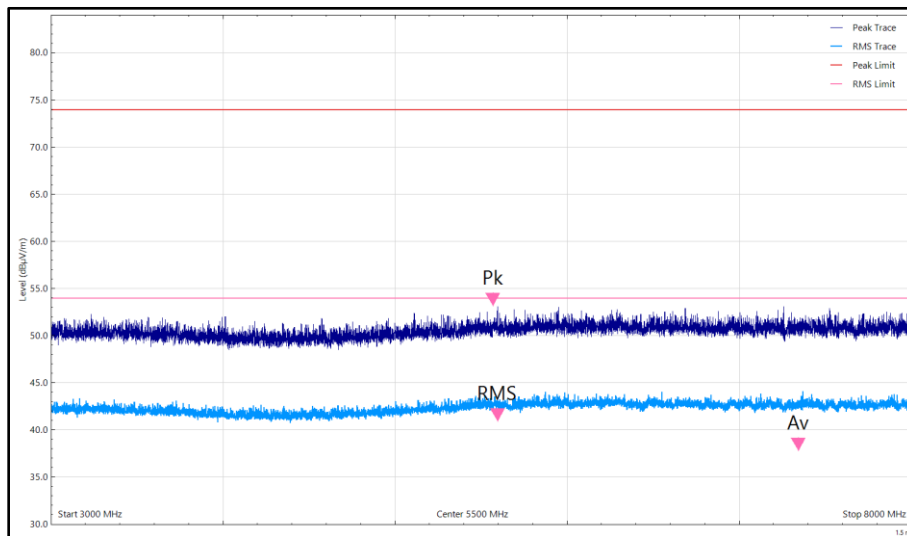
Mid Channel, 1 to 3 GHz, Horizontal



Mid Channel, 1 to 3 GHz, Vertical



Mid Channel, 3 to 8 GHz, Horizontal



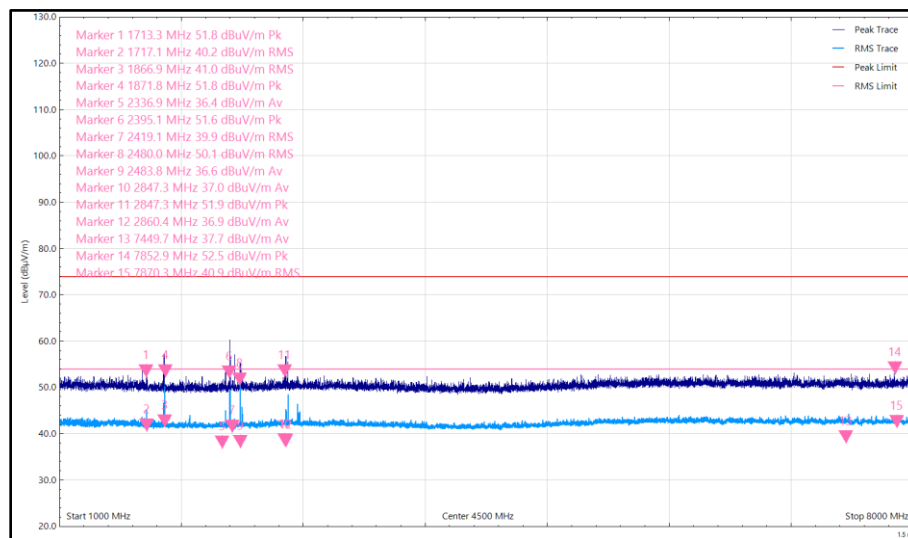
Mid Channel, 3 to 8 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
1210.944	37.33	54.00	-16.67	CISPR Avg	1000/3000	328	152	Vertical
1376.853	37.04	54.00	-16.96	CISPR Avg	1000/3000	326	150	Vertical
1490.321	36.92	54.00	-17.08	CISPR Avg	1000/3000	323	342	Vertical
1668.641	37.01	54.00	-16.99	CISPR Avg	1000/3000	142	274	Vertical
1713.301	51.80	74.00	-22.20	Peak	1000/3000	226	160	Horizontal
1717.125	40.15	54.00	-13.85	RMS	1000/3000	226	160	Horizontal
1866.913	41.04	54.00	-12.96	RMS	1000/3000	37	150	Horizontal

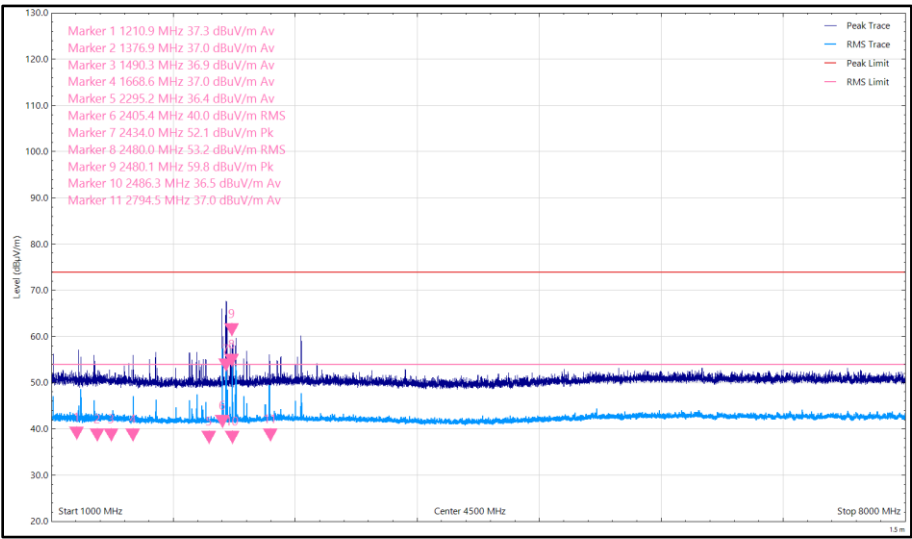


1871.808	51.82	74.00	-22.18	Peak	1000/3000	37	150	Horizontal
2295.188	36.44	54.00	-17.56	CISPR Avg	1000/3000	320	238	Vertical
2336.884	36.42	54.00	-17.58	CISPR Avg	1000/3000	133	240	Horizontal
2395.099	51.62	74.00	-22.38	Peak	1000/3000	156	150	Horizontal
2405.402	39.96	54.00	-14.04	RMS	1000/3000	343	158	Vertical
2419.101	39.94	54.00	-14.06	RMS	1000/3000	156	150	Horizontal
2433.958	52.13	74.00	-21.87	Peak	1000/3000	323	163	Vertical
2480.019	50.06	54.00	-3.94	RMS	1000/3000	109	240	Horizontal
2480.044	53.18	54.00	-0.82	RMS	1000/3000	221	278	Vertical
2480.081	59.80	74.00	-14.20	Peak	1000/3000	221	278	Vertical
2483.796	36.58	54.00	-17.42	CISPR Avg	1000/3000	304	358	Horizontal
2486.329	36.49	54.00	-17.51	CISPR Avg	1000/3000	196	254	Vertical
2794.549	36.96	54.00	-17.04	CISPR Avg	1000/3000	321	160	Vertical
2847.297	51.86	74.00	-22.14	Peak	1000/3000	202	152	Horizontal
2847.297	37.00	54.00	-17.00	CISPR Avg	1000/3000	202	152	Horizontal
2860.387	36.89	54.00	-17.11	CISPR Avg	1000/3000	285	318	Horizontal
7449.732	37.65	54.00	-16.35	CISPR Avg	1000/3000	323	266	Horizontal
7852.853	52.45	74.00	-21.55	Peak	1000/3000	296	349	Horizontal
7870.336	40.94	54.00	-13.06	RMS	1000/3000	296	349	Horizontal

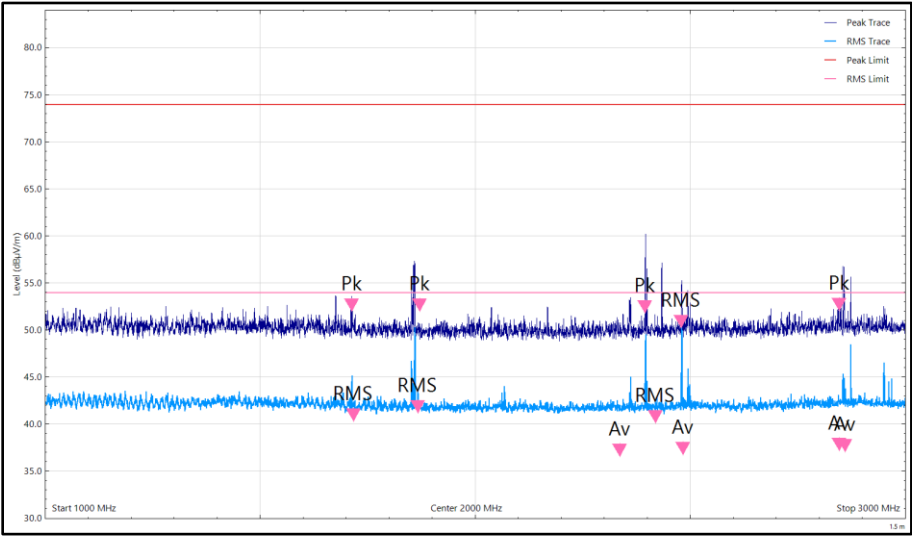
High Channel, 1 to 8 GHz



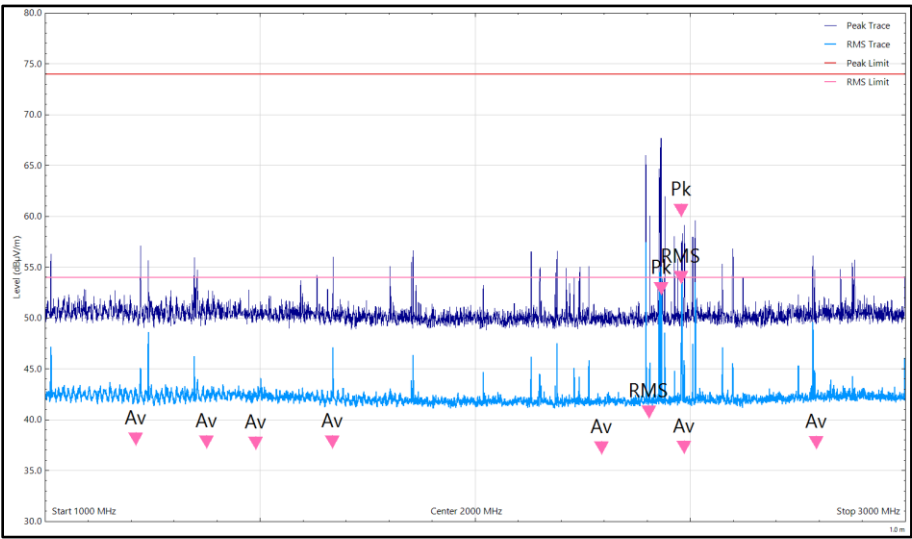
High Channel, 1 to 8 GHz, Horizontal



High Channel, 1 to 8 GHz, Vertical



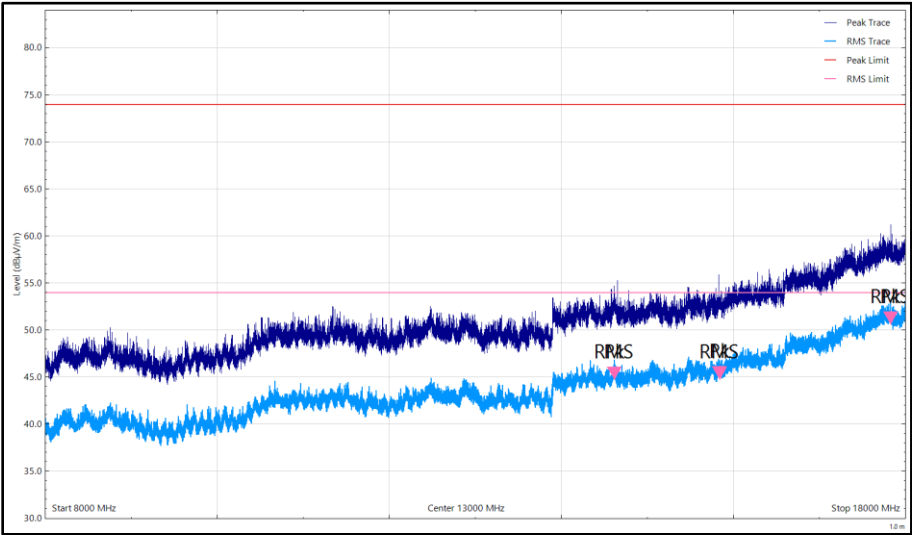
High Channel, 1 to 3 GHz, Horizontal



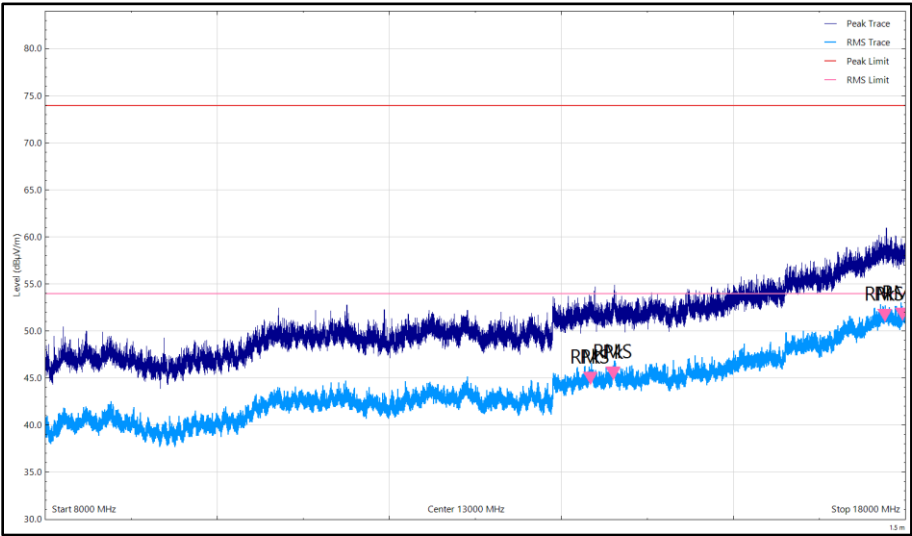
High Channel, 1 to 3 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
14344.302	44.16	74.00	-29.84	Peak	1000/3000	175	105	Vertical
14344.302	44.16	54.00	-9.84	RMS	1000/3000	175	105	Vertical
14609.210	44.64	74.00	-29.36	Peak	1000/3000	334	108	Vertical
14609.210	44.72	54.00	-9.28	RMS	1000/3000	334	108	Vertical
14621.437	44.57	54.00	-9.43	RMS	1000/3000	82	105	Horizontal
14621.437	44.57	74.00	-29.43	Peak	1000/3000	82	105	Horizontal
15848.519	44.60	54.00	-9.40	RMS	1000/3000	329	107	Horizontal
15848.519	44.61	74.00	-29.39	Peak	1000/3000	329	107	Horizontal
17762.490	50.79	74.00	-23.21	Peak	1000/3000	352	102	Vertical
17762.490	50.79	54.00	-3.21	RMS	1000/3000	352	102	Vertical
17835.855	50.45	74.00	-23.55	Peak	1000/3000	240	102	Horizontal
17835.855	50.45	54.00	-3.55	RMS	1000/3000	240	102	Horizontal
17966.249	50.97	54.00	-3.03	RMS	1000/3000	327	102	Vertical

Low Channel, 8 to 18 GHz



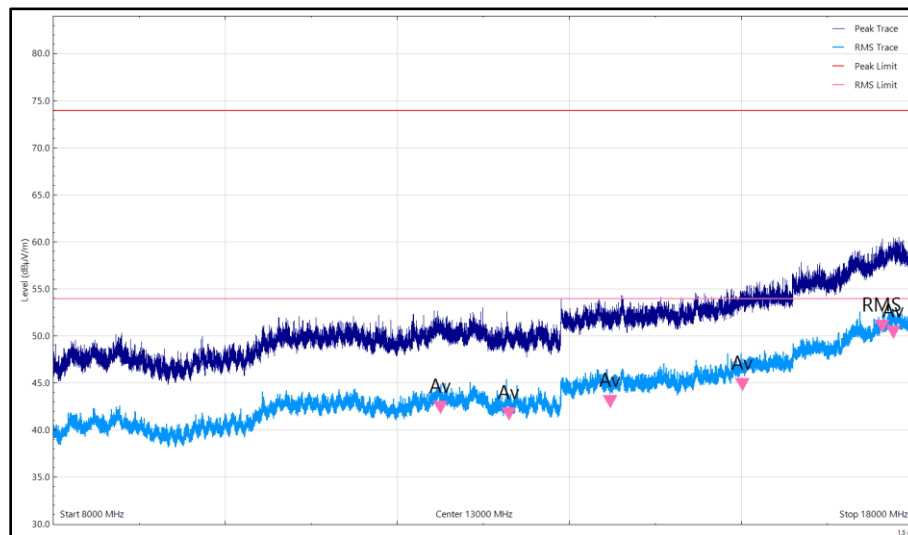
Low Channel, 8 to 18 GHz, Horizontal



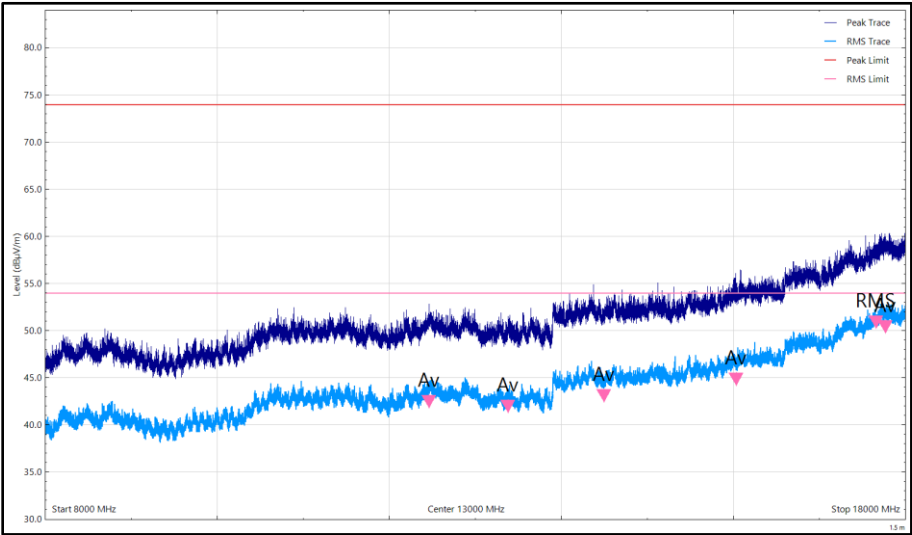
Low Channel, 8 to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
12468.726	41.64	54.00	-12.36	CISPR Avg	1000/3000	324	261	Vertical
12507.743	41.61	54.00	-12.39	CISPR Avg	1000/3000	341	108	Horizontal
13302.847	40.90	54.00	-13.10	CISPR Avg	1000/3000	330	102	Horizontal
13386.949	41.13	54.00	-12.87	CISPR Avg	1000/3000	309	133	Vertical
14476.875	42.19	54.00	-11.81	CISPR Avg	1000/3000	331	102	Horizontal
14498.552	42.25	54.00	-11.75	CISPR Avg	1000/3000	24	347	Vertical
16018.219	44.03	54.00	-9.97	CISPR Avg	1000/3000	333	102	Horizontal
16039.395	44.02	54.00	-9.98	CISPR Avg	1000/3000	317	108	Vertical
17643.030	50.21	54.00	-3.79	RMS	1000/3000	341	298	Horizontal
17663.249	50.08	54.00	-3.92	RMS	1000/3000	343	102	Vertical
17772.959	49.59	54.00	-4.41	CISPR Avg	1000/3000	133	312	Horizontal
17773.642	49.60	54.00	-4.40	CISPR Avg	1000/3000	323	358	Vertical

Mid Channel, 8 to 18 GHz



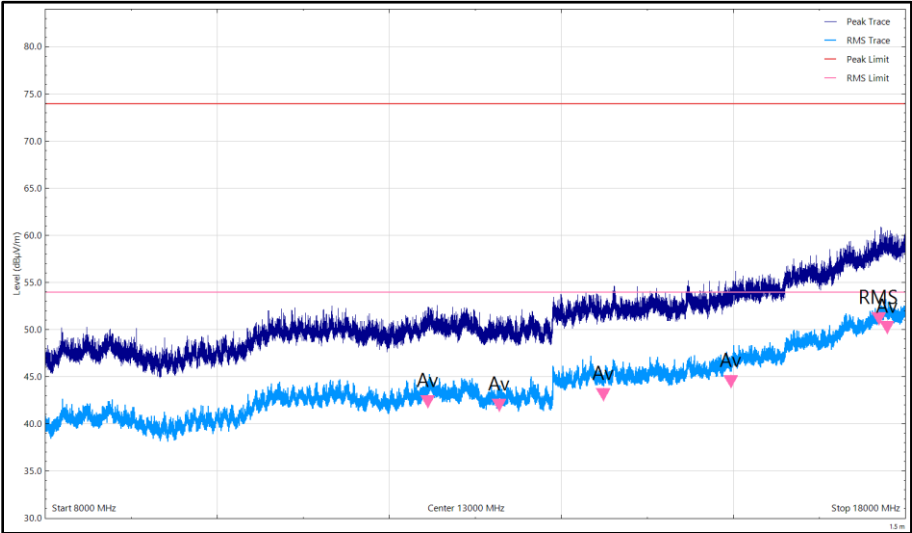
Mid Channel, 8 to 18 GHz, Horizontal



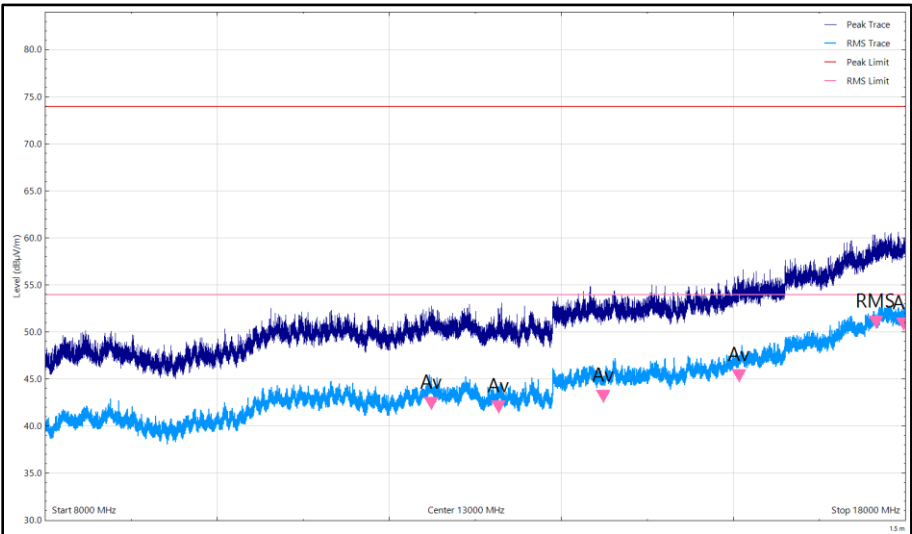
Mid Channel, 8 to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
12453.006	41.54	54.00	-12.46	CISPR Avg	1000/3000	303	396	Horizontal
12489.944	41.58	54.00	-12.42	CISPR Avg	1000/3000	215	106	Vertical
13275.421	41.19	54.00	-12.81	CISPR Avg	1000/3000	142	359	Vertical
13285.024	41.16	54.00	-12.84	CISPR Avg	1000/3000	110	118	Horizontal
14492.458	42.27	54.00	-11.73	CISPR Avg	1000/3000	30	238	Horizontal
14493.574	42.32	54.00	-11.68	CISPR Avg	1000/3000	51	128	Vertical
15976.651	43.67	54.00	-10.33	CISPR Avg	1000/3000	308	108	Horizontal
16074.506	44.51	54.00	-9.49	CISPR Avg	1000/3000	209	257	Vertical
17660.714	50.18	54.00	-3.82	RMS	1000/3000	339	132	Vertical
17694.620	50.34	54.00	-3.66	RMS	1000/3000	53	104	Horizontal
17790.279	49.36	54.00	-4.64	CISPR Avg	1000/3000	333	225	Horizontal
17985.029	50.01	54.00	-3.99	CISPR Avg	1000/3000	81	102	Vertical

High Channel, 8 to 18 GHz



High Channel, 8 to 18 GHz, Horizontal



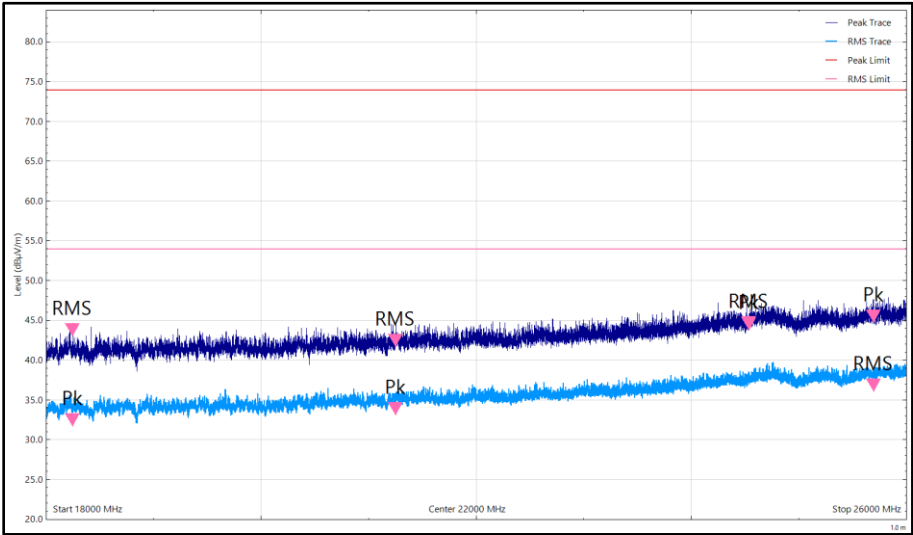
High Channel, 8 to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
18174.712	43.50	74.00	-30.50	Peak	1000/3000	92	100	Vertical
18174.712	31.92	54.00	-22.08	RMS	1000/3000	92	100	Vertical
18248.748	31.51	74.00	-42.49	RMS	1000/3000	147	100	Horizontal
18248.748	42.80	54.00	-11.20	Peak	1000/3000	147	100	Horizontal
19417.081	43.33	74.00	-30.67	Peak	1000/3000	334	100	Vertical
19417.081	32.28	54.00	-21.72	RMS	1000/3000	334	100	Vertical
21252.408	32.92	74.00	-41.08	RMS	1000/3000	213	100	Horizontal

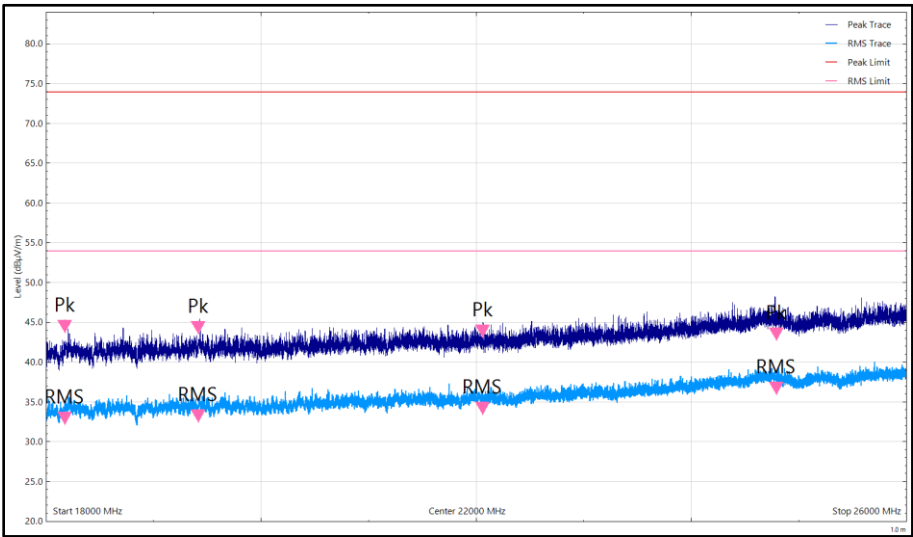


21252.408	41.50	54.00	-12.50	Peak	1000/3000	213	100	Horizontal
22062.760	42.90	74.00	-31.10	Peak	1000/3000	78	100	Vertical
22062.760	33.23	54.00	-20.77	RMS	1000/3000	78	100	Vertical
24539.698	43.70	54.00	-10.30	Peak	1000/3000	152	100	Horizontal
24539.698	43.60	74.00	-30.40	RMS	1000/3000	152	100	Horizontal
24792.449	42.50	74.00	-31.50	Peak	1000/3000	173	100	Vertical
24792.449	35.70	54.00	-18.30	RMS	1000/3000	173	100	Vertical
25699.504	35.84	54.00	-18.16	RMS	1000/3000	1	100	Horizontal
25699.504	44.50	74.00	-29.50	Peak	1000/3000	1	100	Horizontal

Low Channel, 18 to 26 GHz



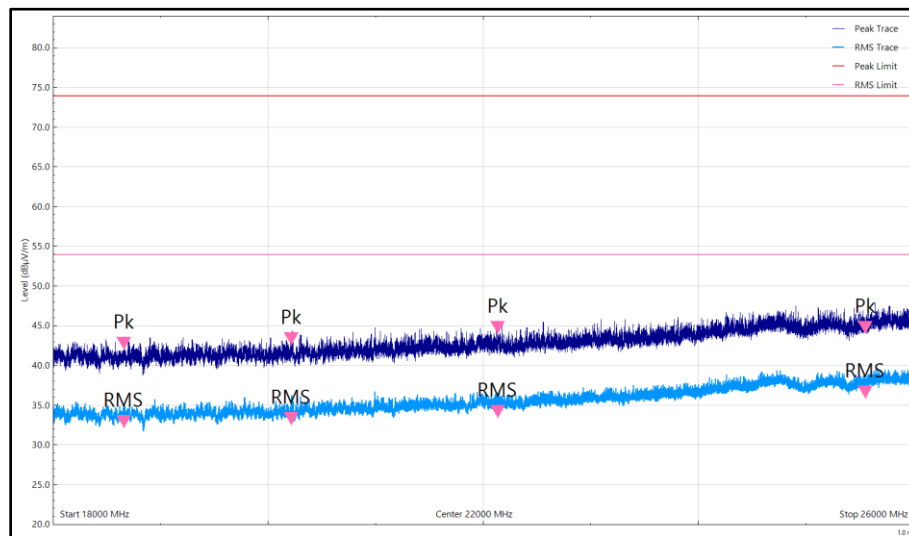
Low Channel, 18 GHz to 26 GHz, Horizontal



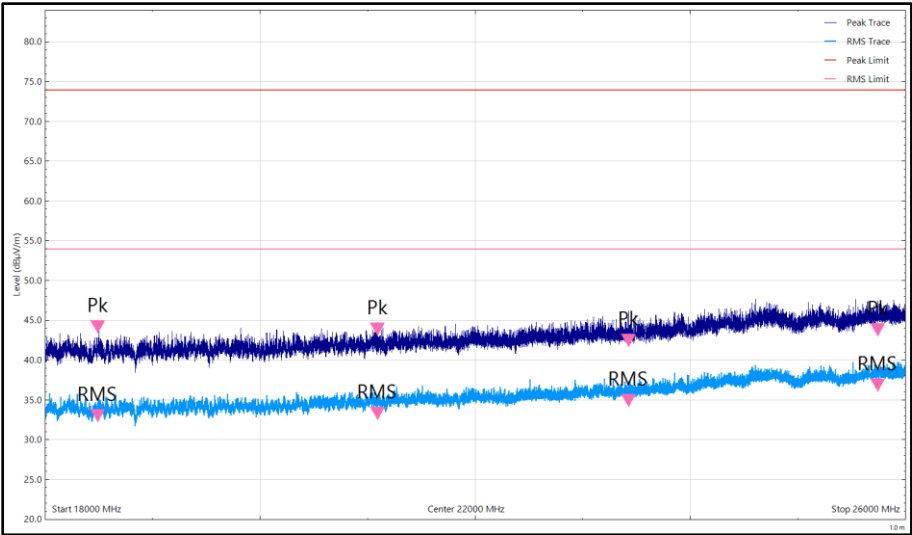
Low Channel, 18 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
18493.870	32.04	54.00	-21.96	RMS	1000/3000	311	100	Vertical
18493.870	43.20	74.00	-30.80	Peak	1000/3000	311	100	Vertical
18659.913	41.80	74.00	-32.20	Peak	1000/3000	15	100	Horizontal
18659.913	31.94	54.00	-22.06	RMS	1000/3000	15	100	Horizontal
20218.840	42.40	74.00	-31.60	Peak	1000/3000	254	100	Horizontal
20218.840	32.32	54.00	-21.68	RMS	1000/3000	254	100	Horizontal
21092.699	32.33	54.00	-21.67	RMS	1000/3000	333	100	Vertical
21092.699	42.90	74.00	-31.10	Peak	1000/3000	333	100	Vertical
22138.177	43.80	74.00	-30.20	Peak	1000/3000	317	100	Horizontal
22138.177	33.20	54.00	-20.80	RMS	1000/3000	317	100	Horizontal
23430.324	33.91	54.00	-20.09	RMS	1000/3000	219	100	Vertical
23430.324	41.50	74.00	-32.50	Peak	1000/3000	219	100	Vertical
25555.701	43.80	74.00	-30.20	Peak	1000/3000	97	100	Horizontal
25555.701	35.66	54.00	-18.34	RMS	1000/3000	97	100	Horizontal
25745.050	35.86	54.00	-18.14	RMS	1000/3000	344	100	Vertical
25745.050	42.80	74.00	-31.20	Peak	1000/3000	344	100	Vertical

Mid Channel, 18 to 26 GHz



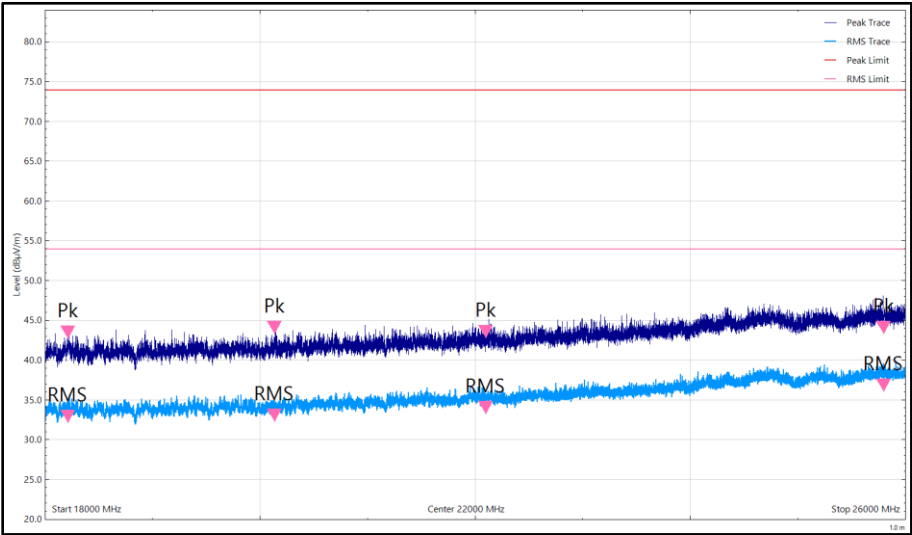
Mid Channel, 18 GHz to 26 GHz, Horizontal



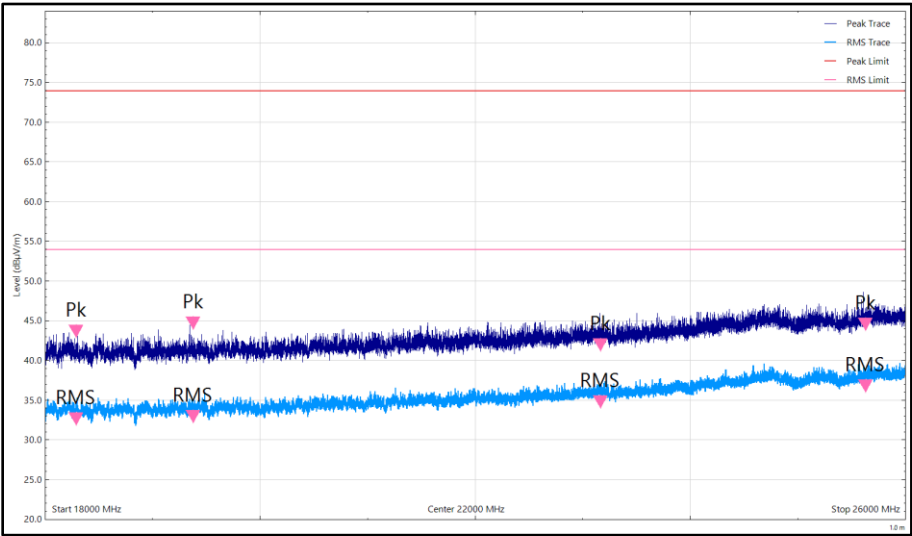
Mid Channel, 18 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	RBW/VBW (kHz)	Angle (°)	Height (cm)	Polarisation
18213.116	31.94	54.00	-22.06	RMS	1000/3000	206	100	Horizontal
18213.116	42.50	74.00	-31.50	Peak	1000/3000	206	100	Horizontal
18288.656	42.70	74.00	-31.30	Peak	1000/3000	323	100	Vertical
18288.656	31.62	54.00	-22.38	RMS	1000/3000	323	100	Vertical
19380.458	31.94	54.00	-22.06	RMS	1000/3000	235	100	Vertical
19380.458	43.70	74.00	-30.30	Peak	1000/3000	235	100	Vertical
20136.335	43.10	74.00	-30.90	Peak	1000/3000	127	100	Horizontal
20136.335	32.07	54.00	-21.93	RMS	1000/3000	127	100	Horizontal
22102.772	33.05	54.00	-20.95	RMS	1000/3000	13	100	Horizontal
22102.772	42.60	74.00	-31.40	Peak	1000/3000	13	100	Horizontal
23169.769	41.00	74.00	-33.00	Peak	1000/3000	330	100	Vertical
23169.769	33.78	54.00	-20.22	RMS	1000/3000	330	100	Vertical
25634.042	35.82	54.00	-18.18	RMS	1000/3000	330	100	Vertical
25634.042	43.60	74.00	-30.40	Peak	1000/3000	330	100	Vertical
25800.355	35.90	54.00	-18.10	RMS	1000/3000	71	100	Horizontal
25800.355	43.10	74.00	-30.90	Peak	1000/3000	71	100	Horizontal

High Channel, 18 to 26 GHz



High Channel, 18 GHz to 26 GHz, Horizontal



High Channel, 18 GHz to 26 GHz, Vertical



2.7.9 Test Location and Test Equipment Used

This test was carried out in SR5 (MM).

Instrument	Manufacturer	Type No	TM ID	Calibration Period (months)	Calibration Expires
ESW44 EMI Test Receiver	Rohde & Schwarz	ESW44 with HF Option	68210	12 months	29-Jun-2026
25-2000 MHz Trilog-Broadband Antenna	Schwarzbeck Mess-Elektronik	VULB 9168	69564	12 months	06-Nov-2026
0.5 to 22GHz Preamplifier	Com Power	PA-122	46797	24 months	06-Jan-2026
7.5-18 GHz Double Ridge Horn Antenna	Schwarzbeck Mess-Elektronik	HWRD 750	69562	24 months	06-Nov-2025
1-10 GHz Broad-Band Horn Antenna	Schwarzbeck Mess-Elektronik	BBHA 9120 B	69563	24 months	06-Nov-2025
Pre-amplifier (18-40 GHz)	Spacek Labs	19D18	40815	12 months	22-Nov-2025
18-26 GHz Antenna	Custom Microwave Inc.	HO42S	30572	24 months	26-Nov-2026
TUV SSU 010 PLC US	TUV SUD UK	TUV SSU 010 PLC US	74136	1 year	16-Apr-2026

Table 15



2.8 Power Spectral Density

2.8.1 Specification Reference

FCC 47 CFR Part 15C, ISSED RSS-247 and ISSED RSS-GEN, Clause 15.247 (e), 5.2 and 6.12

2.8.2 Equipment Under Test and Modification State

10102 IPG, S/N: EMT 000293E - Modification State 0

2.8.3 Date of Test

08-July-2025

2.8.4 Test Method

BLE in TX Mode-Bluetooth

This test was performed in accordance with ANSI C63.10, clause 11.10.X.

2.8.5 Environmental Conditions

Ambient Temperature 23.1 °C

Relative Humidity 50.4 %

2.8.6 Test Results

FCC 47 CFR Part 15, Limit Clause 15.247 (e)

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

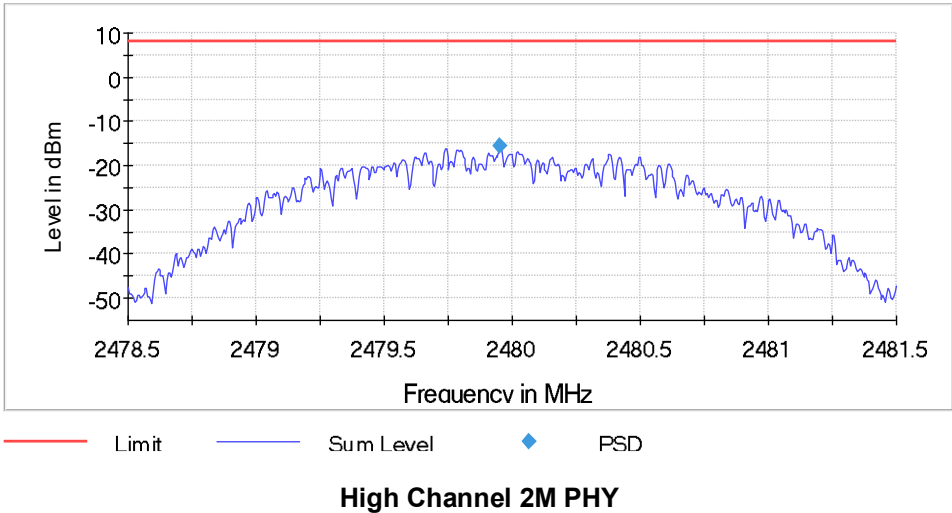
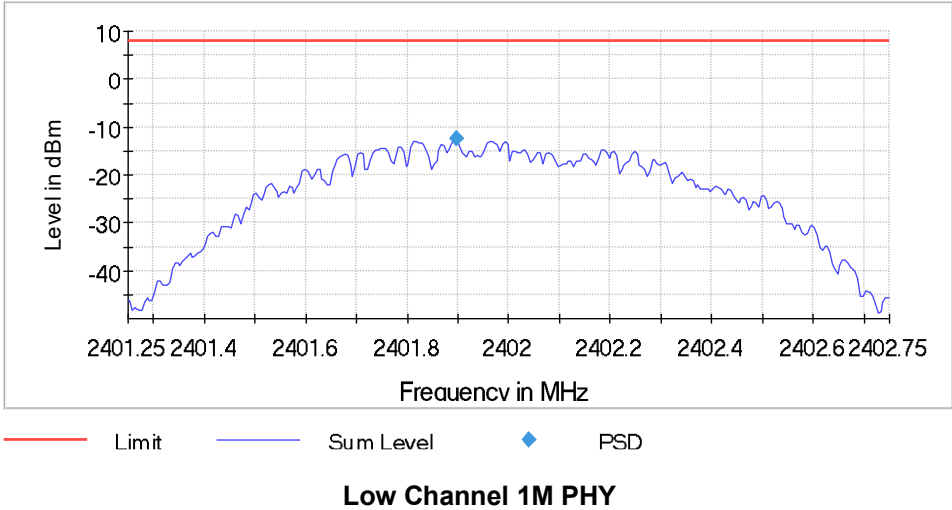
ISSED RSS-247, Limit Clause 5.2(b)

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission

Mode	DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
1M PHY	2402.000000	2401.897500	-12.571	8.0	PASS
	2440.000000	2439.897500	-12.618	8.0	PASS
	2480.000000	2479.897500	-12.599	8.0	PASS
2M PHY	2402.000000	2401.952500	-15.481	8.0	PASS
	2440.000000	2439.952500	-15.505	8.0	PASS
	2480.000000	2479.952500	-15.476	8.0	PASS



2.8.7 Sample Test Plots



2.8.8 Test Equipment Settings (Power Meter Mode)

Setting	Instrument Value	Target Value
Start Frequency	2.40125 GHz	2.40125 GHz
Stop Frequency	2.40275 GHz	2.40275 GHz
Span	1.500 MHz	1.500 MHz
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	300	~ 300
SweepTime	1.500 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off



Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	2 / 2	2
Max Stable Difference	0.20 dB	0.50 dB

2.8.9 Test Location and Test Equipment Used

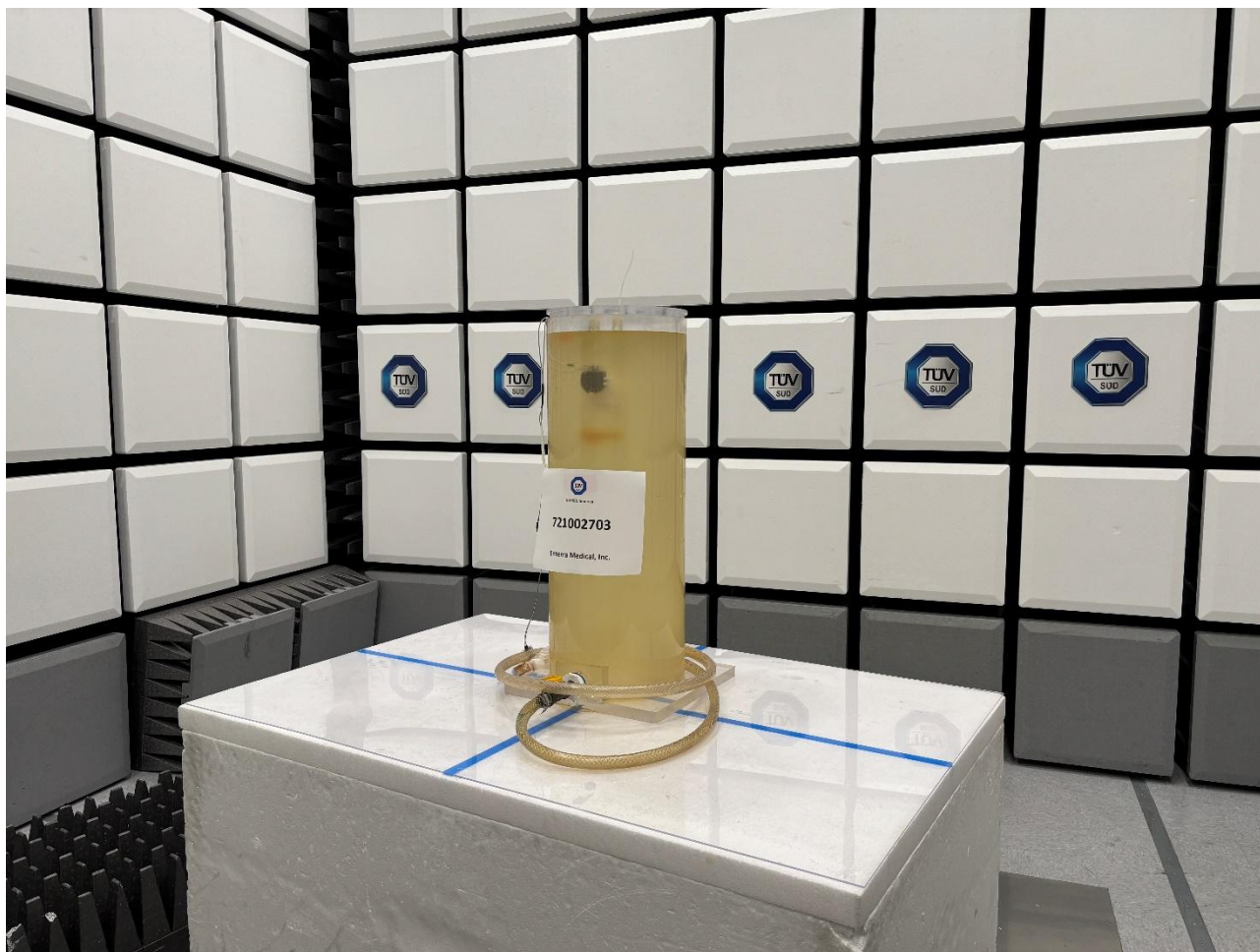
This test was carried out in Rancho Bernardo facility SR8.

Instrument	Manufacturer	Type No	TM ID No	Calibration Period (months)	Calibration Expires
Signal/Spectrum Analyzer	Rohde & Schwarz	FSV30	30231	12	02/04/26
OSP with B157	Rohde & Schwarz	OSP120	34030	12	02/05/26

Table 16

3 Photographs

3.1 Equipment Under Test (EUT)





4 Test Equipment Information

4.1 General Test Equipment Used

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
True RMS Multimeter	Fluke	85 III	43003	12 months	09-Oct-2025
D.C. Power Supply	Lambda Electronics Inc.	LLS-6040	-	NCR	Verified by 43003
Barometer/Temperature/Humidity Transmitter	Omega	iBTHX-W	30215	1 year	22-May-2026

4.2 Customer Support Equipment

No customer supplied test equipment was used during testing.

5 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
Antenna Port Conducted Test	1.04dB
R&S TS8997 Test System	0.76dBm (Coverage factor of 2.00)
Radiated Spurious Emissions	5.94dB (30MHz to 1GHz)
	4.71dB (1GHz to 40GHz)

Table 17

Measurement Uncertainty Decision Rule

Determination of conformity with the specification limits is based on the decision rule according to Calculation of Measurement Uncertainty per CISPR 16-4-2:2011 with Corr. 1. The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.