RF Test Repo`rt

Applicant	:	Fortinet, Inc.
Product Name	:	Network Security Gateway
Trade Name	:	FORTINET
Model Number	:	FG-1001F, FG-1000F-DC, FG-1000F, FG-1001F-DC, FortiGate 1000Fxxxxxxxxxx, FORTIGATE-1000Fxxxxxxxxxx, FG-1000Fxxxxxxxxxx, FortiGate 1001Fxxxxxxxxxx, FORTIGATE-1001Fxxxxxxxxxx, FG-1001Fxxxxxxxxxx, FortiGate 1000F-DCxxxxxxxxxx, FORTIGATE-1000F-DCxxxxxxxxxx, FG-1000F-DCxxxxxxxxxx, FortiGate 1001F-DCxxxxxxxxxx, FORTIGATE-1001F-DCxxxxxxxxxx, FG-1001F-DCxxxxxxxxxx (where “x” can be used as “A-Z”, or “0-9”, or “-“, or blank for software changes or marketing purposes only)
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART C ANSI C63.10:2013
Received Date	:	Jan. 11, 2023
Test Period	:	Jan. 24 ~ Feb. 08, 2023
Issued Date	:	Mar. 13, 2023

Issued by

Eurofins E&E Wireless Taiwan Co., Ltd.
No. 140-1, Changan Street, Bade District,
Taoyuan City 334025, Taiwan (R.O.C.)
Tel：+886-3-2710188 / Fax：+886-3-2710190

Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range: 9 kHz to 325 GHz (Bade test site)
Frequency Range: 9 kHz to 40 GHz (Wugu test site)
Test Firm MRA designation number: TW0010 (Bade test site)
Test Firm MRA designation number: TW0034 (Wugu test site)

Note:
1.The test results are valid only for samples provided by customers and under the test conditions described in this report.
2.This report shall not be reproduced except in full, without the written approval of Eurofins E&E Wireless Taiwan Co., Ltd.
3.The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.

Revision History

Version	Issued Date	Revisions	Revised By
00	Mar. 13, 2023	Initial Issue	Emma Chao

Verification of Compliance

Applicant	:	Fortinet, Inc.
Product Name	:	Network Security Gateway
Trade Name	:	FORTINET
Model Number	:	FG-1001F, FG-1000F-DC, FG-1000F, FG-1001F-DC, FortiGate 1000Fxxxxxxxxxx, FORTIGATE-1000Fxxxxxxxxxx, FG-1000Fxxxxxxxxxx, FortiGate 1001Fxxxxxxxxxx, FORTIGATE-1001Fxxxxxxxxxx, FG-1001Fxxxxxxxxxx, FortiGate 1000F-DCxxxxxxxxxx, FORTIGATE-1000F-DCxxxxxxxxxx, FG-1000F-DCxxxxxxxxxx, FortiGate 1001F-DCxxxxxxxxxx, FORTIGATE-1001F-DCxxxxxxxxxx, FG-1001F-DCxxxxxxxxxx (where “x” can be used as “A-Z”, or “0-9”, or “-“, or blank for software changes or marketing purposes only)
FCC ID	:	TVE-111T15G
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART C ANSI C63.10:2013
Test Result	:	Complied
Performing Lab.	:	Eurofins E&E Wireless Taiwan Co., Ltd. No. 140-1, Changan Street, Bade District, Taoyuan City 334025, Taiwan (R.O.C.) Tel：+886-3-2710188 / Fax：+886-3-2710190 Taiwan Accreditation Foundation accreditation number: 1330

Eurofins E&E Wireless Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Eurofins E&E Wireless Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By : Kai Yu Yang

TABLE OF CONTENTS

1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
15.207	AC Power Conducted Emission	PASS	-----
15.247(d)	Transmitter Radiated Emissions	PASS	-----
15.247(b)(3)	Max. Output Power	PASS	-----
15.247(a)(2)	6 dB RF Bandwidth	PASS	-----
15.247(e)	Maximum Power Spectral Density	PASS	-----
15.247(d)	Out of Band Conducted Spurious Emission	PASS	-----
15.203	Antenna Requirement	PASS	-----

Decision Rule

■ Uncertainty is not included.

☐ Uncertainty is included.

Standard	Description
CFR47, Part 15, Subpart C	Intentional Radiators
ANSI C63. 10: 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074 D01 15.247 Meas Guidance v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES

1.2. Testing Location

Lab Name: Eurofins E&E Wireless Taiwan Co., Ltd.

Site Address: ☐ No. 140-1, Changan Street, Bade District, Taoyuan City 334025, Taiwan (R.O.C.)

Site Address: ■ No. 2, Wuquan 5th Rd. Wugu Dist., New Taipei City, Taiwan (R.O.C.)

1.3. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty
Conducted Emission	150 kHz ~ 30 MHz	2.7 dB
Radiated Emission	9 kHz ~ 30 MHz	2.2 dB
	30 MHz ~ 1000 MHz	5.1 dB
	1000 MHz ~ 18000 MHz	5.2 dB
	18000 MHz ~ 26500 MHz	4.6 dB
	26500 MHz ~ 40000 MHz	4.6 dB
Conducted Output Power	1.1 dB	
RF Bandwidth	4.7 %	
Power Spectral Density	1.1 dB	

2 EUT Description

Applicant	Fortinet, Inc. 899 Kifer Road, Sunnyvale, CA 94086, USA			
Product Name	Network Security Gateway			
Trade Name	FORTINET			
Model No.	FG-1001F, FG-1000F-DC, FG-1000F, FG-1001F-DC, FortiGate 1000Fxxxxxxxxxx, FORTIGATE-1000Fxxxxxxxxxx, FG-1000Fxxxxxxxxxx, FortiGate 1001Fxxxxxxxxxx, FORTIGATE-1001Fxxxxxxxxxx, FG-1001Fxxxxxxxxxx, FortiGate 1000F-DCxxxxxxxxxx, FORTIGATE-1000F-DCxxxxxxxxxx, FG-1000F-DCxxxxxxxxxx, FortiGate 1001F-DCxxxxxxxxxx, FORTIGATE-1001F-DCxxxxxxxxxx, FG-1001F-DCxxxxxxxxxx (where “x” can be used as “A-Z”, or “0-9”, or “-“, or blank for software changes or marketing purposes only)			
Models different description	FG-1001F / SSD:YES / PSU:AC FG-1000F / SSD:No / PSU:AC FG-1001F-DC / SSD:YES / PSU:DC FG-1000F-DC / SSD:No / PSU:DC			
FCC ID	TVE-111T15G			
Frequency Range	2402 ~ 2480 MHz			
Modulation Type	GFSK			
Operate Temp. Range	0 ~ +40 ℃			
EUT Power Rating	DC EUT Rating: -48 Vdc to -60 Vdc, 8.5 A AC EUT Rating: 100-240 Vac, 50/60 Hz, 6 A			
Antenna information	ANT.	Model	Type	Max. Gain (dBi)
	ANT-0	ARY196-0346-003-00	PIFA Antenna	1.84
	ANT-0	WA-F-LA-02-119	PIFA Antenna	1.64
RF Output Power	LE, GFSK:	0.00197 W		
	2LE, GFSK:	0.00198 W		
	BLR C2, GFSK:	0.00196 W		
	BLR C8, GFSK:	0.00198 W		

3 Test Methodology

3.1. Mode of Operation

In the test report use EUT model: FG-1001F to operate testing.

Decision of Test Eurofins has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Transmit Mode
BLE 1M
BLE 2M
BLR C2
BLR C8

Final-Test Mode
Transmit Mode
BLE 2M
BLR C8

Software used to control the EUT for staying in continuous transmitting mode was programmed.

After verification, all tests were carried out with the worst case test modes.

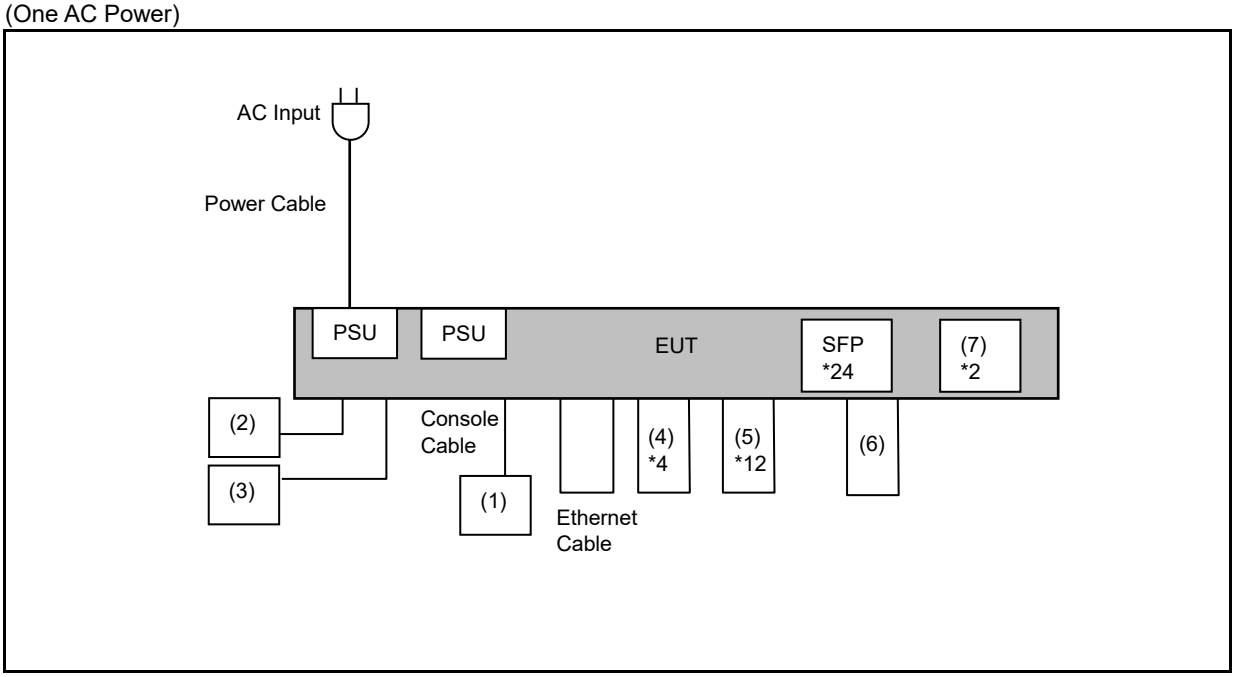
3.2. EUT Test Step

1	Setup the EUT shown on “Configuration of Test System Details”.
2	Turn on the power of all equipment.
3	Turn on TX function.
4	EUT run test program.

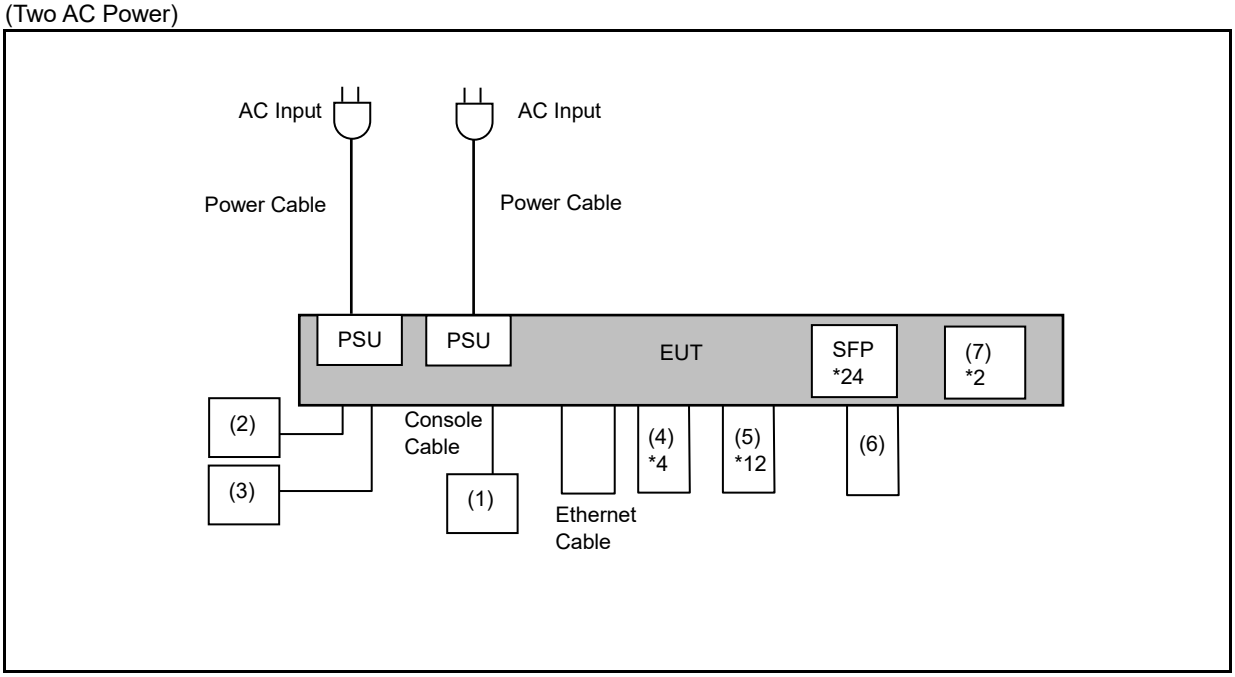
3.3. Configuration of Test System Details

Conducted Emission & Radiated Emissions (Below 1 GHz)

(One AC Power)

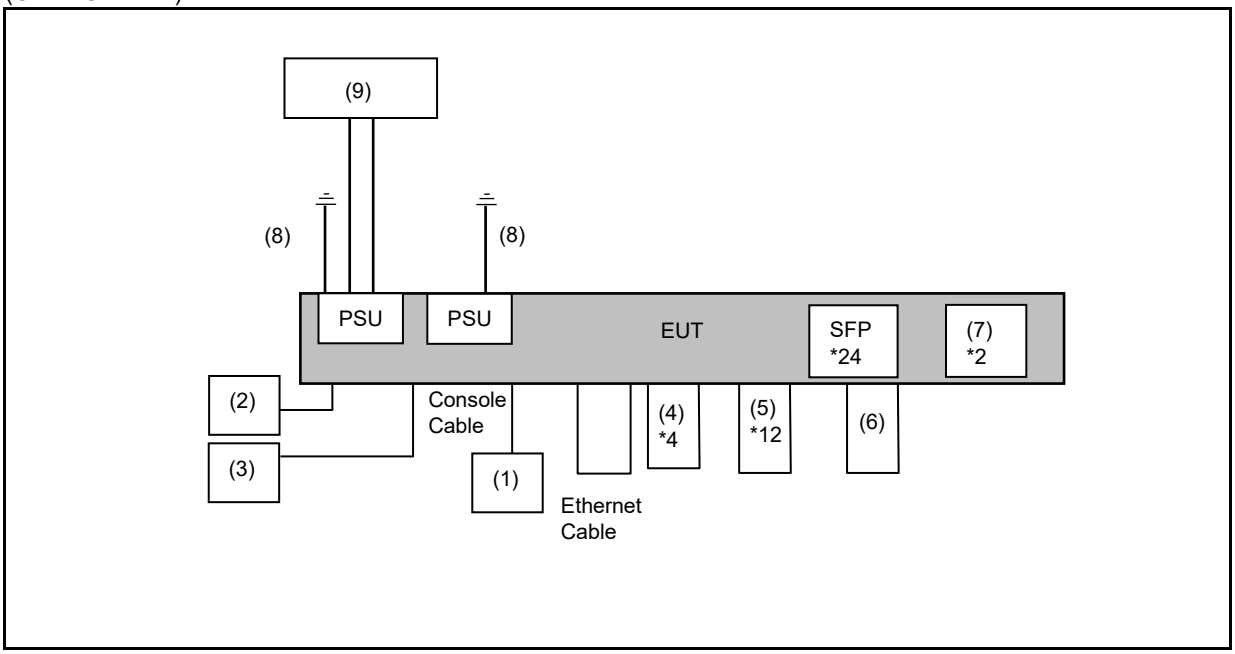


(Two AC Power)

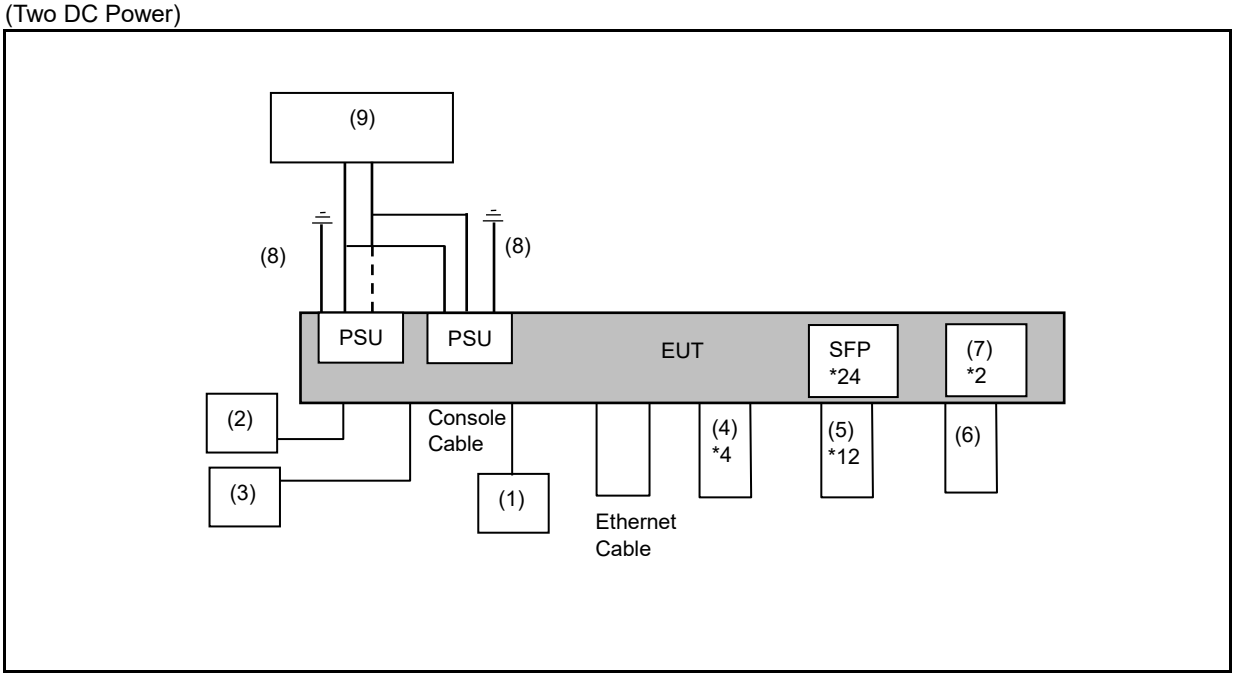


Conducted Emission & Radiated Emissions (Below 1 GHz)

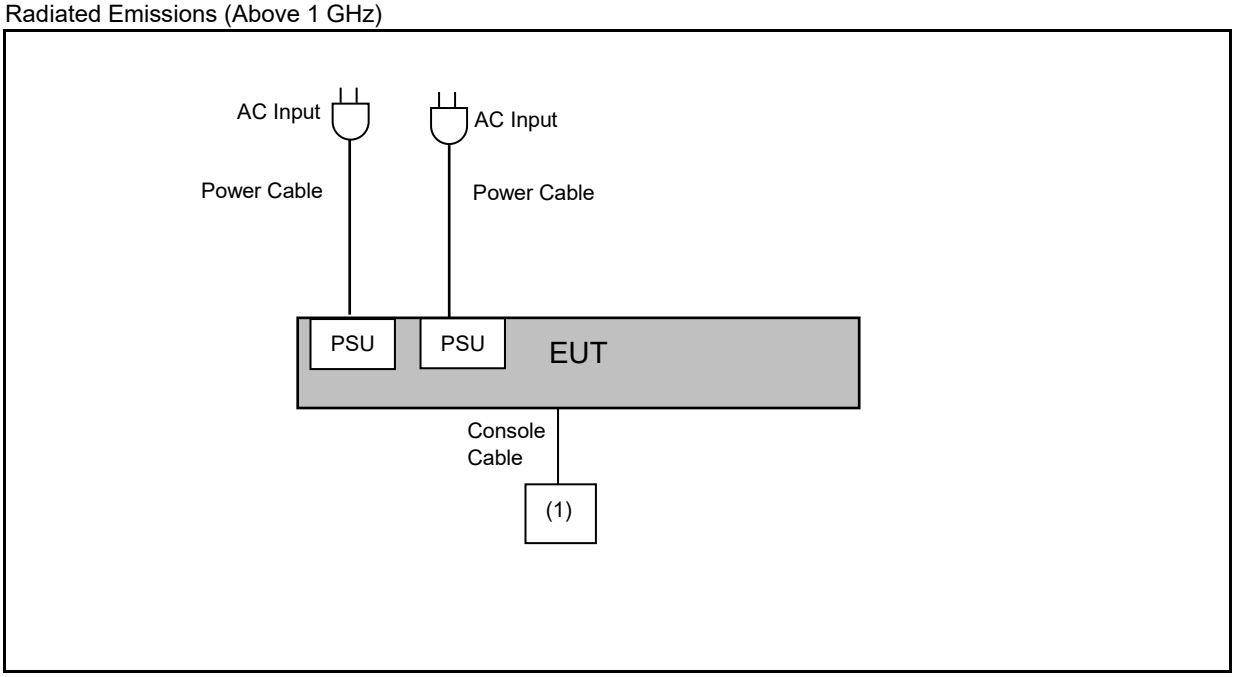
(One DC Power)



(Two DC Power)



Radiated Emissions (Above 1 GHz)



Devices Description					
Product		Manufacturer	Model Number	Serial Number	Power Cord
(1)	Notebook	Lenovo	L14	---	---
(2)	Keyboard	DELL	KB522	---	---
(3)	Keyboard	DELL	KB4021	---	---
(4)	RJ45 Cable	Fortinet	5508012	---	---
(5)	AOC fiber cable	Wavesplitter	WST-S20-AOC-0H3C	---	---
(6)	Fiber optic Cable	Optech	MP/PC-MP/PC/M3/1M/2	---	---
(7)	Fiber optic transceiver	Optech	OPCW-MX1-85-CB	---	---
(8)	Terminal Cable	Eurofins	001	---	---
(9)	Power Supply	APE	ADC100-20	---	---

3.4. Test Instruments

For Radiated Emissions
Test Period: Jan.24 ~ Feb. 08, 2023
Testing Engineer: Marin Lee,

Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Broadband Horn Antenna (1 GHz~18 GHz)	RF SPIN	DRH18-E	210305A18ES	Feb. 25, 2022	1 year
☒	Active Loop Antenna (9 kHz~30 MHz)	Schwarzbeck Mess-Elektronik	FMZB 1513-60	1513-60-031	Feb. 17, 2022	1 year
☒	Broadband Horn Antenna (15 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	BBHA9170	1133	Feb. 24, 2022	1 year
☒	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	01274	Dec. 26, 2022	1 year
☒	Spectrum Analyzer (10 Hz~44 GHz)	KEYSIGHT	N9020B	MY60112362	Feb. 17, 2022	1 year
☒	Pre-Amplifier	Agilent	8447D	2944A10961	Jul. 07, 2022	1 year
☒	Pre-Amplifier	EMCI	EMC0518A45SE	980823	Nov. 28, 2022	1 year
☒	Coaxial Cable (10kHz~3000mHz)	EMCI	EMCCFD400-NM-NM-2000	211006	Nov. 14, 2022	1 year
☒	Coaxial Cable (10kHz~3000mHz)	EMCI	EMCCFD400-NM-NM-2000	211007	Nov. 14, 2022	1 year
☒	Coaxial Cable (10kHz~3000mHz)	EMCI	EMCCFD400-NM-NM-6000	211015	Nov. 14, 2022	1 year
☒	Coaxial Cable (1GHz~18GHz)	EMCI	EMC104-SM-SM-1000	211026	Nov. 14, 2022	1 year
☒	Coaxial Cable (1GHz~18GHz)	EMCI	EMC104-SM-SM-2000	211035	Nov. 14, 2022	1 year
☒	Coaxial Cable (1GHz~18GHz)	EMCI	EMC104-SM-SM-8000	211036	Nov. 14, 2022	1 year
☒	Coaxial Cable (18GHz~40GHz)	EMCI	EMC101G-KM-KM-600	211211	Jan. 19, 2023	1 year
☒	Coaxial Cable (18GHz~40GHz)	EMCI	EMC101G-KM-KM-2000	211210	Jan. 19, 2023	1 year
☒	Coaxial Cable (18GHz~40GHz)	EMCI	EMC101G-KM-KM-6000	211209	Jan. 19, 2023	1 year
☒	Highpass Filter	Warison	WFIL-H3000-20000F	WR4BBFWC2B1	Nov. 14, 2022	1 year
☒	True RMS Multimete	FLIKE	87V	15530240	Jun. 15, 2022	1 year

Note: N.C.R. = No Calibration Request

For Conducted
Test Period: Jan. 31, 2023
Testing Engineer: Jeff Song

Test Site		RF02-WG				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Power Sensor	Anritsu	MA24408A	11998	Feb. 08, 2022	1 year
☒	Spectrum Analyzer (10 Hz~44 GHz)	Agilent	N9020B	MY53120541	Feb. 17, 2022	1 year

For Conducted Emissions
Test Period: Feb. 06 ~ Feb. 07, 2023
Testing Engineer: Marin Lee

Radiation test sites		Semi Anechoic Room				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Test Receiver	R&S	ESR3	102919	Dec 30, 2022	1 year
☒	LISN	R&S	ENV216	101041	Apr 15, 2022	1 year
☒	Current Probe	R&S	EZ-17	101687	Jun 20, 2022	1 year
☒	Cable	EMCI	EMCCFD300-BM-NM-4000	220402	Jun 09, 2022	1 year
☒	Test Site	ATL	Conduction01-WG	Conduction01-WG	N.C.R.	N.C.R.
☒	Software	ELEKTRA	94.50.4	N.A.	N.C.R.	N.C.R.

Note: N.C.R. = No Calibration Request

3.5. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	20-30
Humidity (%RH)	25-75	45-75

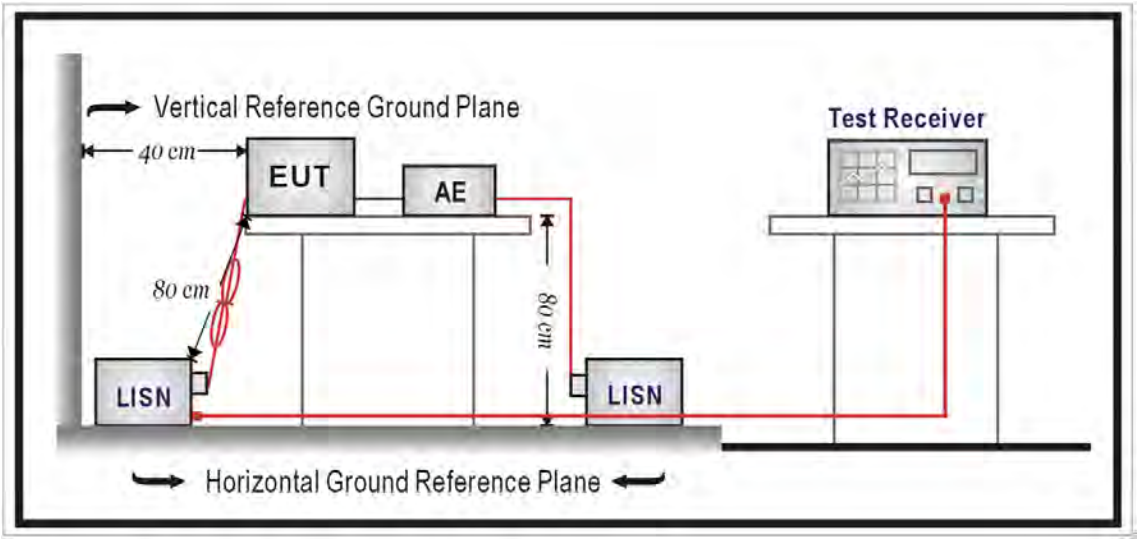
4 Measurement Procedure

4.1. AC Power Line Conducted Emission Measurement

■ **Limit**

Frequency (MHz)	Quasi-peak	Average
0.15 - 0.5	66 to 56	56 to 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

■ **Test Setup**



■ **Test Procedure**

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 Ω// 50 uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 Ω// 50 uH coupling impedance with 50 ohm termination.

Tabletop device shall be placed on a non-conducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The wall of screened room shall be located 40 cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80 cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12 mm insulating material.

Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. When all of peak value were complied with quasi-peak and average limit from 150 kHz to 30 MHz then quasi-peak and average measurement was unnecessary.

The AMN shall be placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8 m from the AMN. If the mains power cable is longer than 1 m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4 m. All of interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1 m. All 50 Ω ports of the LISN shall be resistively terminated into 50 Ω loads when not connected to the measuring instrument.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored.

4.2. Radiated Emission Measurement

■ **Limit**

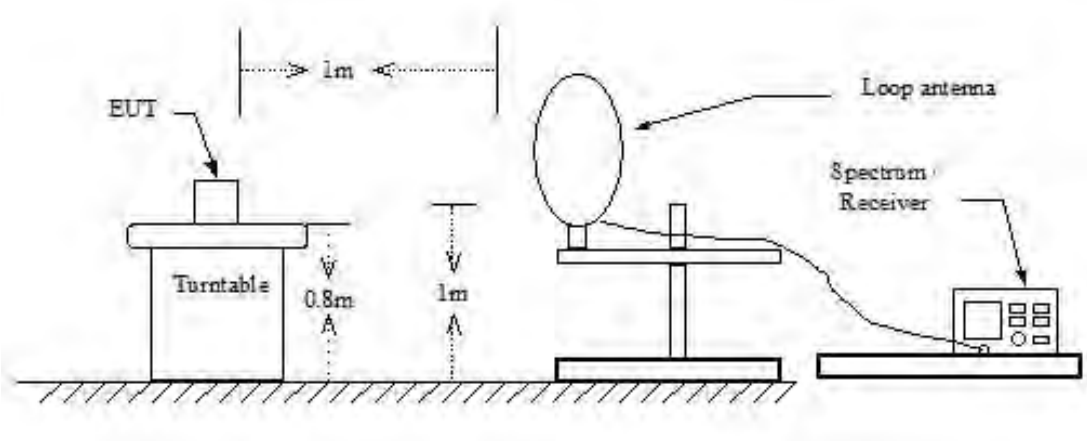
According to §15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m at meter)	Measurement Distance (meters)
0.009 – 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 - 88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

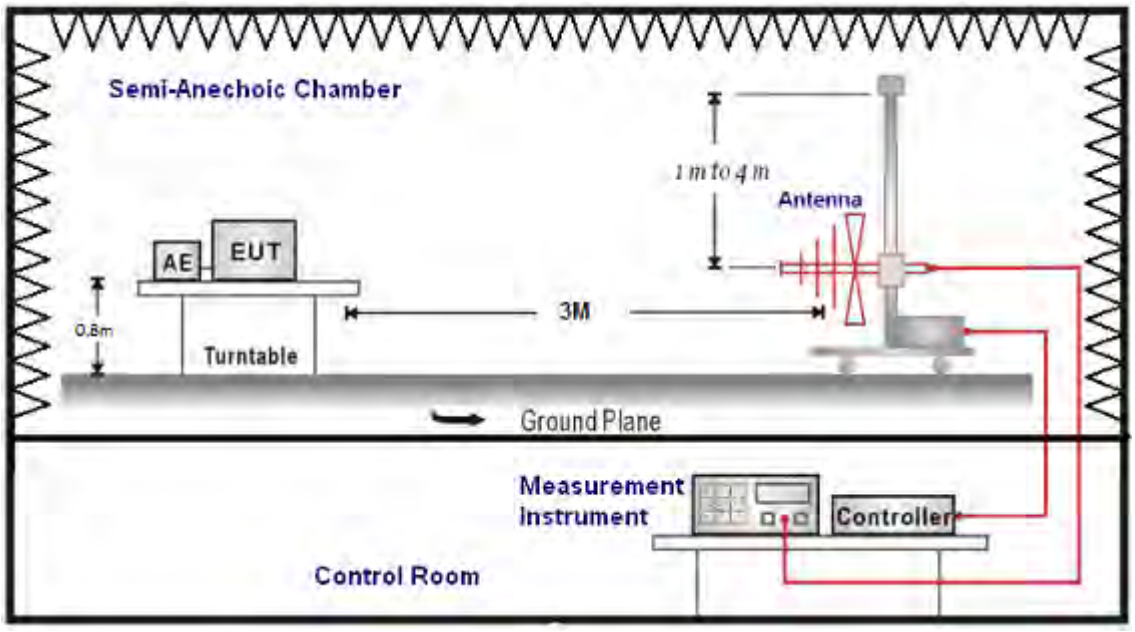
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

■ **Setup**

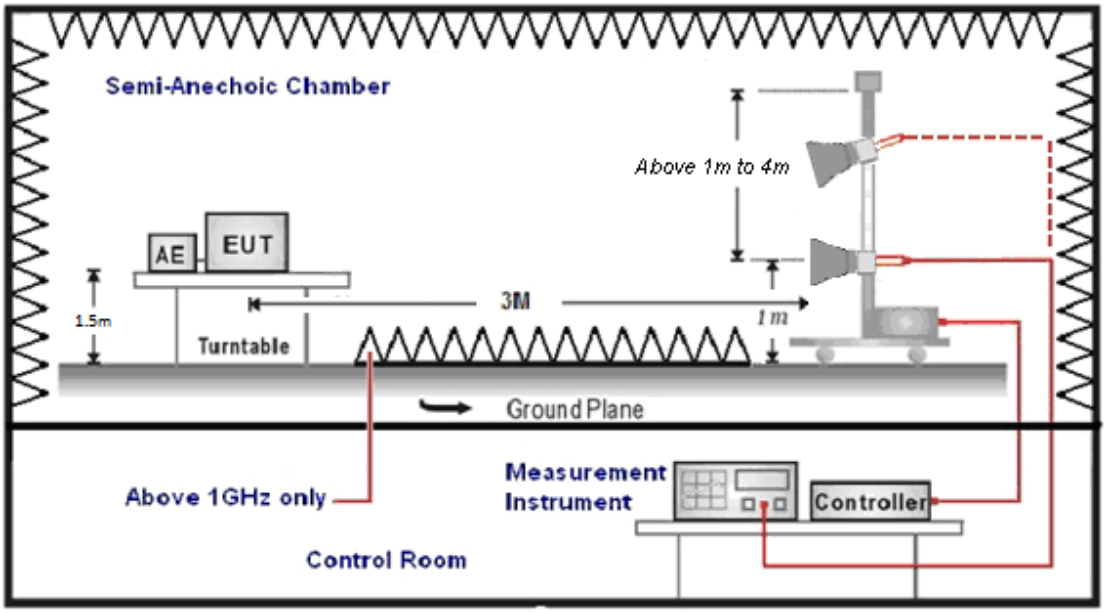
9 kHz ~ 30 MHz



Below 1 GHz



Above 1 GHz



■ **Test Procedure**

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 or 1.5 meters height, top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 26.5 GHz is investigated.

For measurements below 30 MHz the resolution bandwidth is set to 10 kHz for peak detection measurements or 9 kHz for quasi-peak detection measurements. The video bandwidth is 3 times of the resolution bandwidth.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements and 10 Hz for average measurements when Duty cycle >0.98 / 1/T for average measurements when Duty cycle <0.98. A nonconductive material surrounded the EUT to supporting the EUT for standing on tree orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Biconilog Antenna at 3 Meter and the SCHWARZBECK Double Ridged Guide Antenna was used in frequencies 1 –26.5 GHz at a distance of 3 meter. The antenna at an angle toward the source of the emission. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20 dB/decade).

For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts pre meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro colts per meter (dBuV/m).

The actual field is intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

(1) Amplitude (dBuV/m) = FI (dBuV) +AF (dBuV) +CL (dBuV)-Gain (dB)
FI= Reading of the field intensity.
AF= Antenna factor.
CL= Cable loss.
P.S Amplitude is auto calculate in spectrum analyzer.

(2) Actual Amplitude (dBuV/m) = Amplitude (dBuV)-Dis(dB)
The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:
(a) For fundamental frequency : Transmitter Output < +30 dBm
(b) For spurious frequency : Spurious emission limits = fundamental emission limit /10

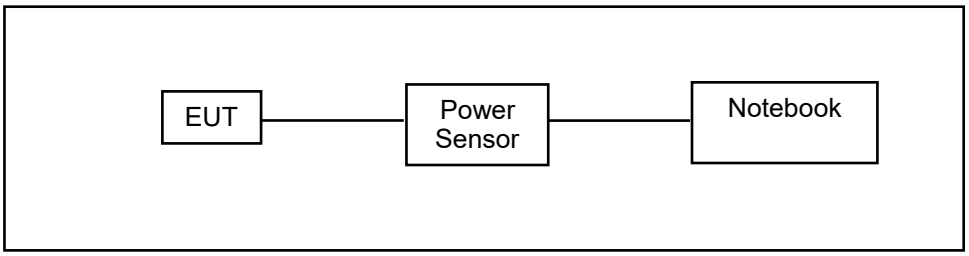
Data of measurement within this frequency range without mark in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

4.3. Maximum Conducted Output Power Measurement

■ **Limit**

For systems using digital modulation in the 2400-2483.5 MHz, the limit for peak output power is 30 dBm.

■ **Test Setup**



■ **Test Procedure**

The testing follows the Measurement Procedure of ANSI C63.10:2013 section 11.9.2.3.2 Method AVGPM.

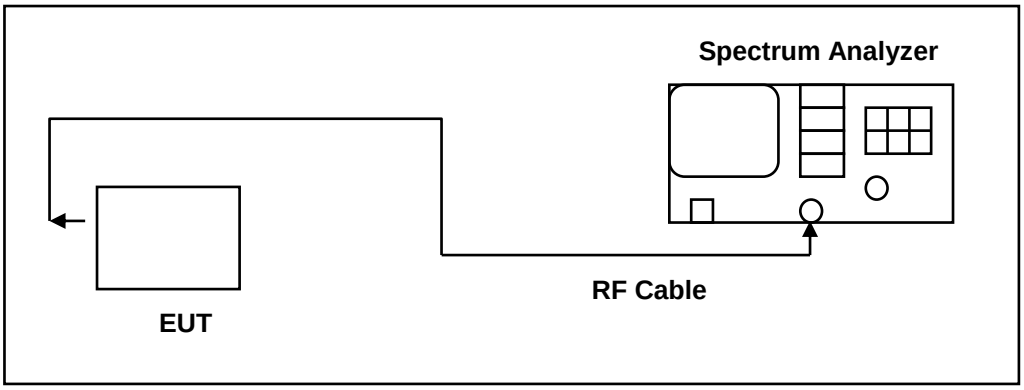
The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to power sensor..

4.4. 6 dB RF Bandwidth Measurement

■ **Limit**

6 dB RF Bandwidth: Systems using digital modulation techniques may operate in the 2400–2483.5 MHz bands. The minimum 6 dB band-width shall be at least 500 kHz.
99 % Occupied Bandwidth: N/A

■ **Test Setup**



■ **Test Procedure**

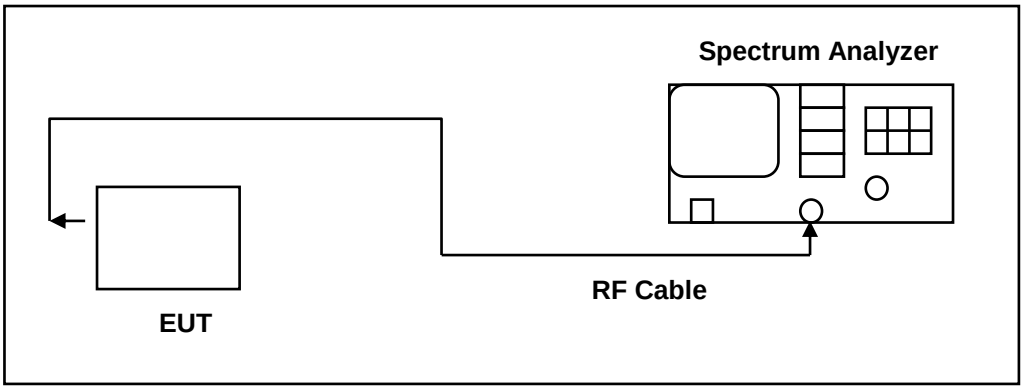
The EUT tested to DTS test procedure of ANSI C63.10:2013 section 11.8.2 option2 for compliance to FCC 47CFR 15.247 requirements.
6 dB RF Bandwidth: The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A peak output reading was taken, a DISPLAY line was drawn 6 dB lower than peak level. The 6 dB bandwidth was determined from where the channel output spectrum intersected the display line.
The test was performed at 3 channels (Channel low, middle, high)

4.5. Maximum Power Density Measurement

■ **Limit**

For digitally modulated systems, 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.

■ **Test Setup**



■ **Test Procedure**

The EUT tested to DTS test procedure of ANSI C63.10:2013 section 11.10.2 Method PKPSD.

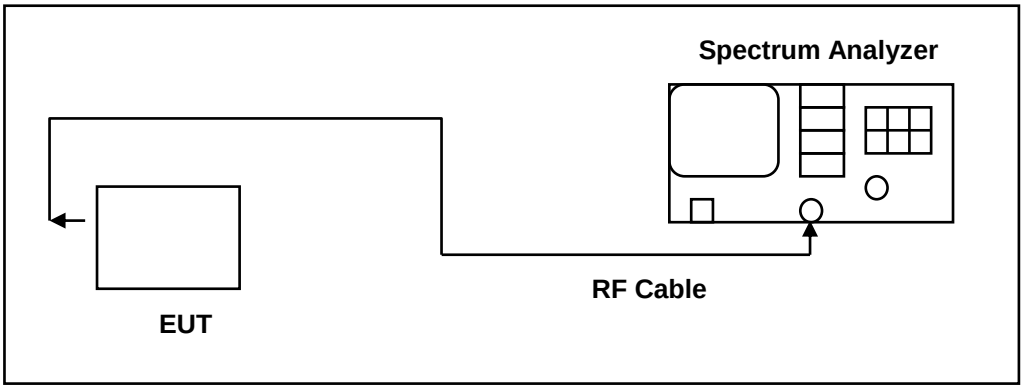
1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz.
4. Set the VBW ≥ 3 × RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

4.6. Out of Band Conducted Emissions Measurement

■ **Limit**

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

■ **Test Setup**



■ **Test Procedure**

In any 100 kHz bandwidth outside the EUT pass band, the RF power produced by the modulation products of the spreading sequence, the information sequence, and the carrier frequency shall be at least 20 dB below that of the maximum in-band 100 kHz emission, antenna output of the EUT was coupled directly to spectrum analyzer; if an external attenuator and/or cable was used, these losses are compensated for with the analyzer OFFSET function.
All other types of emissions from the EUT shall meet the general limits for radiated frequencies outside the pass band.
The test was performed at 3 channels.

4.7. Antenna Measurement

■ **Limit**

For intentional device, according to 15.203, 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.
And According to 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ **Antenna Connector Construction**

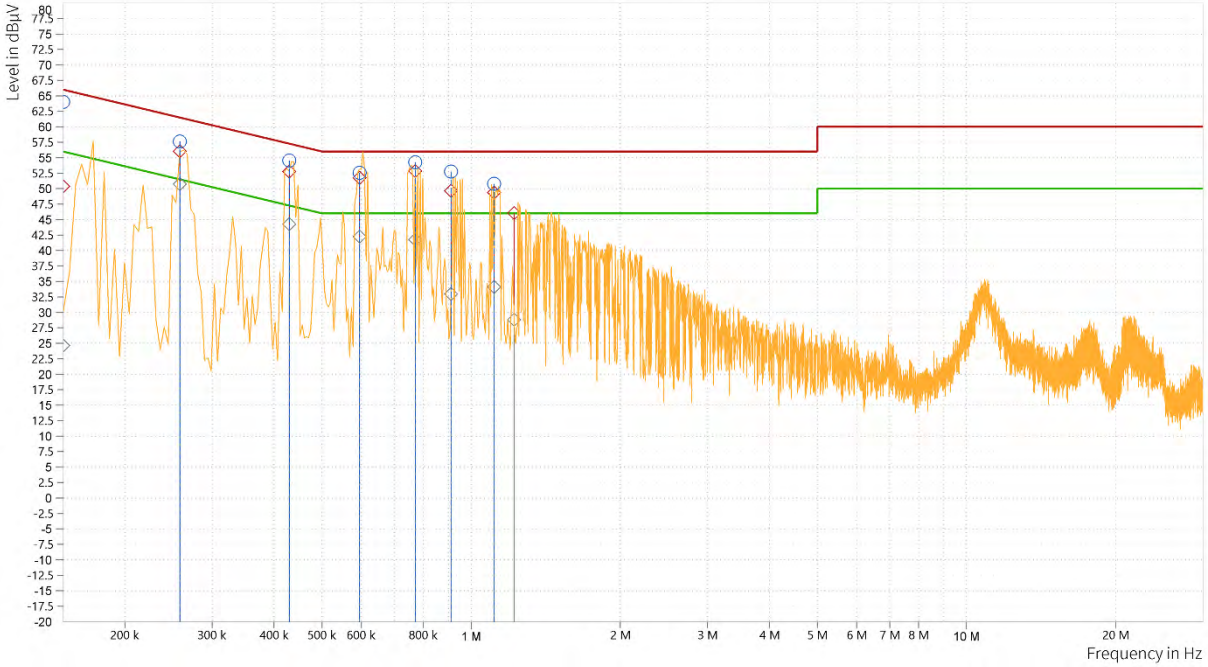
See section 2 – antenna information.

5 Test Results

5.1. Conducted Emission

Standard:	Part 15.247	Power:	AC 120 V/60 Hz
Test item:	Conducted Emission		
Mode:	Transmit Mode		
Description:			

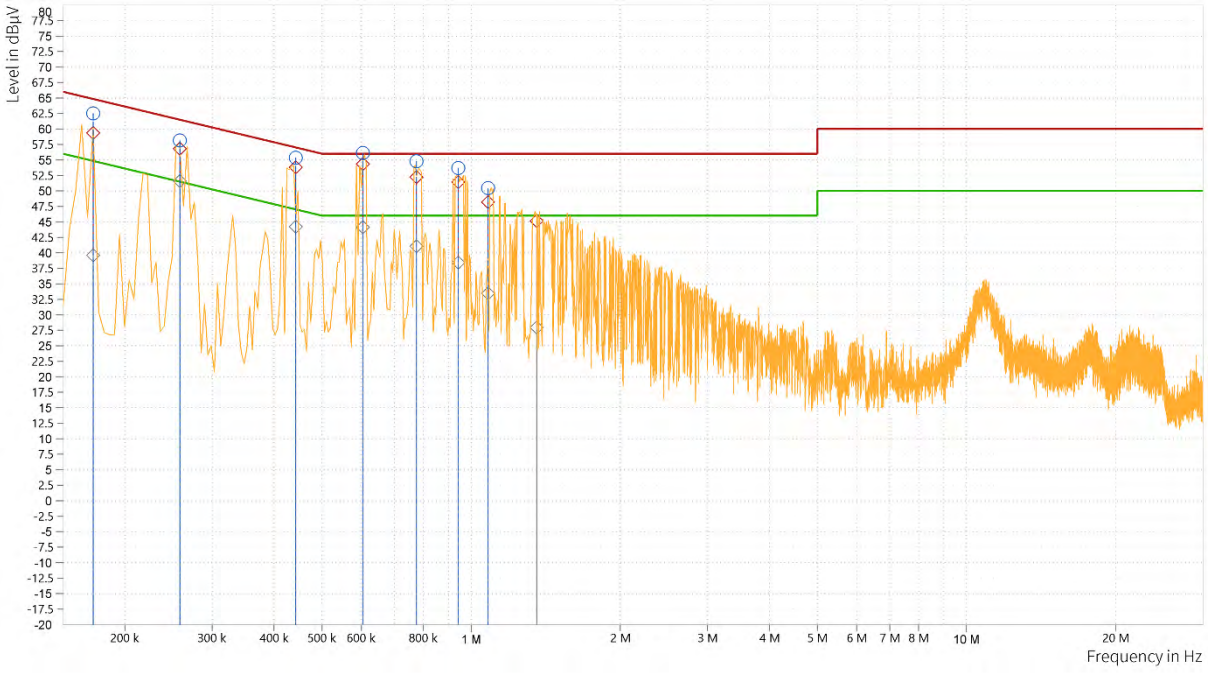
FG-1001F AC PSU (Delta_left)



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.150	50.37	66.00	15.63	24.63	56.00	31.37	9.65	L1
1	0.258	56.02	61.50	5.47	50.72	51.50	0.77	9.65	L1
1	0.429	52.77	57.27	4.50	44.28	47.27	2.99	9.66	L1
1	0.596	51.75	56.00	4.25	42.25	46.00	3.75	9.67	L1
1	0.771	52.84	56.00	3.16	41.77	46.00	4.23	9.67	L1
1	0.911	49.67	56.00	6.33	32.97	46.00	13.03	9.68	L1
1	1.113	49.36	56.00	6.64	34.12	46.00	11.88	9.69	L1
1	1.221	46.04	56.00	9.96	28.80	46.00	17.20	9.69	L1

Note:
1.Result (dBuV) = Correction factor (dB) + Reading(dBuV).
2.Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

FG-1001F AC PSU (Delta_left)

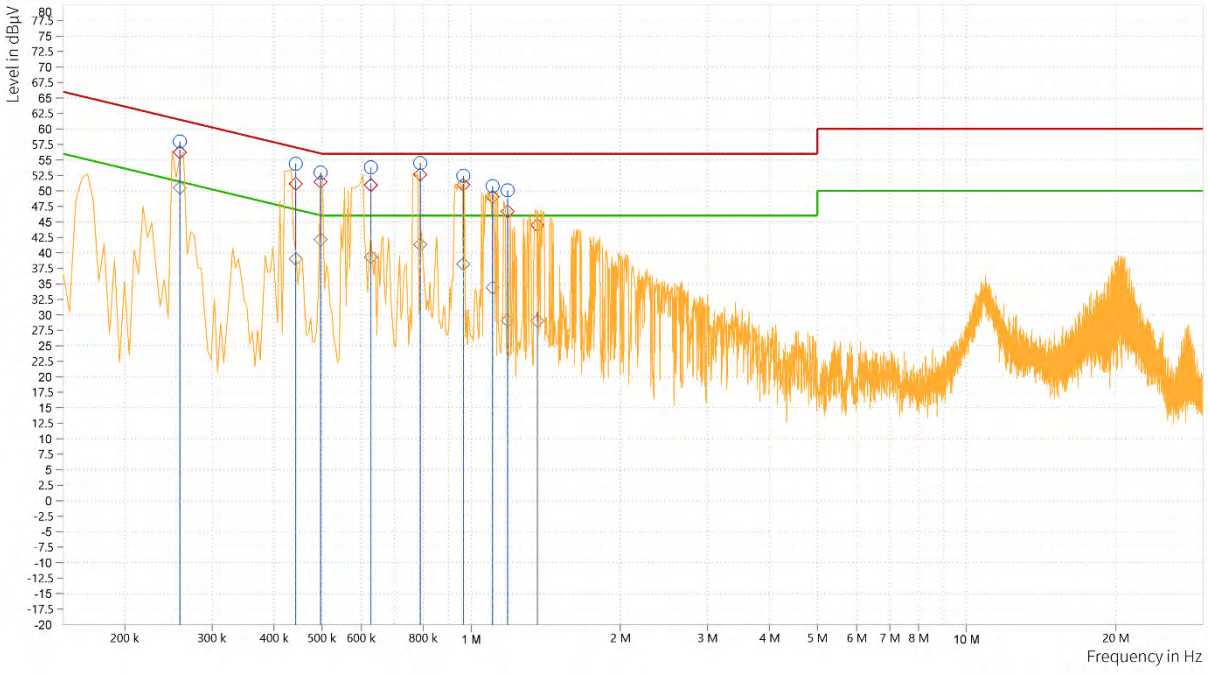


Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.173	59.37	64.84	5.47	39.61	54.84	15.23	9.65	N
1	0.258	56.81	61.50	4.69	51.59	51.50	-0.09	9.65	N
1	0.443	53.83	57.01	3.18	44.23	47.01	2.78	9.66	N
1	0.605	54.34	56.00	1.66	44.16	46.00	1.84	9.66	N
1	0.776	52.24	56.00	3.76	41.08	46.00	4.92	9.67	N
1	0.942	51.43	56.00	4.57	38.44	46.00	7.56	9.67	N
1	1.082	48.17	56.00	7.83	33.45	46.00	12.55	9.67	N
1	1.356	45.17	56.00	10.83	27.97	46.00	18.03	9.69	N

Note:

Via turn off the radio function, this digital device emission is from the non transmitter portion of the EUT and it is an harmonic of the digital circuitry. This emission complies with part 15 Subpart B class A limit.

FG-1001F AC PSU (Delta_right)



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.258	56.24	61.50	5.26	50.50	51.50	1.00	9.65	L1
1	0.443	51.14	57.01	5.88	39.05	47.01	7.96	9.66	L1
1	0.497	51.49	56.06	4.57	42.16	46.06	3.90	9.66	L1
1	0.627	50.95	56.00	5.05	39.31	46.00	6.69	9.67	L1
1	0.789	52.66	56.00	3.34	41.36	46.00	4.64	9.67	L1
1	0.965	50.99	56.00	5.01	38.19	46.00	7.81	9.68	L1
1	1.104	49.05	56.00	6.95	34.41	46.00	11.59	9.69	L1
1	1.185	46.68	56.00	9.32	29.10	46.00	16.90	9.69	L1
1	1.361	44.47	56.00	11.53	29.01	46.00	16.99	9.70	L1

FG-1001F AC PSU (Delta_right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.164	58.14	65.28	7.14	50.19	55.28	5.09	9.65	N
1	0.272	53.88	61.07	7.19	41.77	51.07	9.30	9.65	N
1	0.416	52.54	57.54	5.00	40.75	47.54	6.79	9.66	N
1	0.569	51.10	56.00	4.90	38.65	46.00	7.35	9.66	N
1	0.623	52.32	56.00	3.68	41.29	46.00	4.71	9.66	N
1	0.735	49.83	56.00	6.17	36.73	46.00	9.27	9.66	N
1	0.794	51.79	56.00	4.21	41.75	46.00	4.25	9.67	N
1	0.911	49.68	56.00	6.32	34.23	46.00	11.77	9.67	N
1	1.122	47.80	56.00	8.20	32.33	46.00	13.67	9.68	N
1	1.356	43.70	56.00	12.30	27.59	46.00	18.41	9.69	N

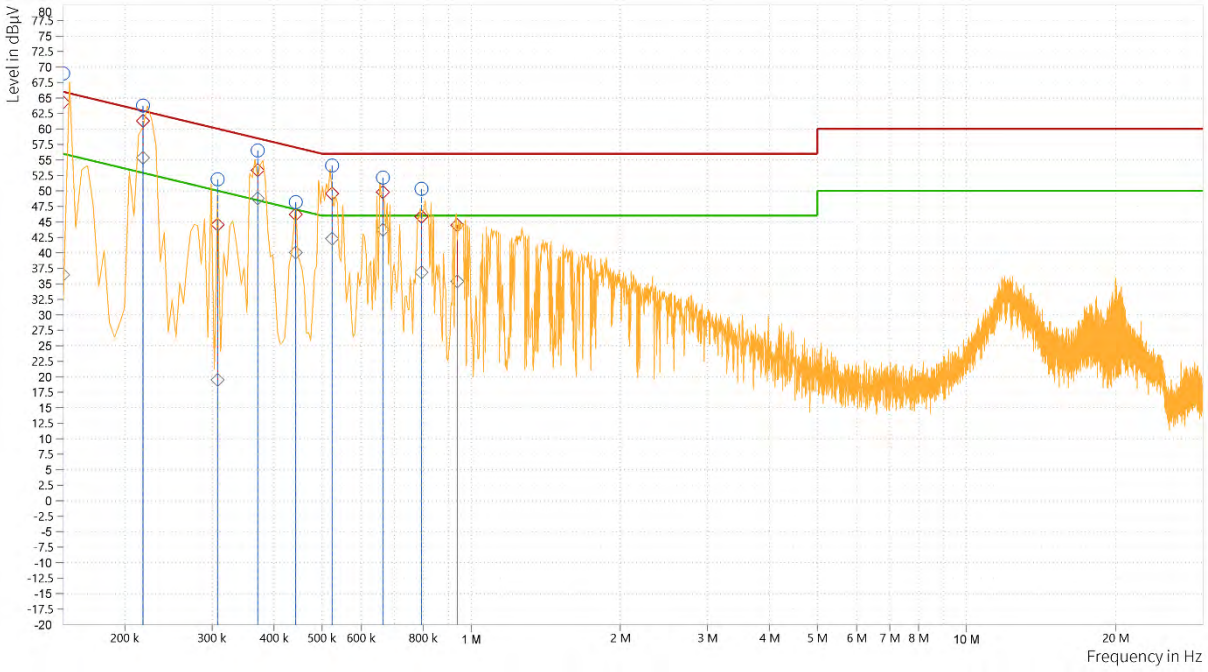
FG-1001F AC PSU (Delta_left+right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.150	64.10	66.00	1.90	36.26	56.00	19.74	9.65	L1
1	0.218	61.15	62.91	1.76	55.32	52.91	-2.40	9.65	L1
1	0.366	52.66	58.59	5.93	48.43	48.59	0.16	9.66	L1
1	0.497	53.40	56.06	2.66	45.19	46.06	0.87	9.66	L1
1	0.551	50.97	56.00	5.03	44.31	46.00	1.69	9.66	L1
1	0.681	47.72	56.00	8.28	38.58	46.00	7.42	9.67	L1
1	0.821	45.72	56.00	10.28	37.44	46.00	8.56	9.67	L1
1	0.942	44.27	56.00	11.73	33.79	46.00	12.21	9.68	L1

Note:

Via turn off the radio function, this digital device emission is from the non transmitter portion of the EUT and it is an harmonic of the digital circuitry. This emission complies with part 15 Subpart B class A limit.

FG-1001F AC PSU (Delta_left+right)



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.150	64.28	66.00	1.72	36.43	56.00	19.57	9.65	N
1	0.218	61.29	62.91	1.62	55.34	52.91	-2.43	9.65	N
1	0.308	44.53	60.04	15.51	19.50	50.04	30.54	9.65	N
1	0.371	53.32	58.49	5.17	48.80	48.49	-0.31	9.66	N
1	0.443	46.19	57.01	10.82	40.04	47.01	6.97	9.66	N
1	0.524	49.57	56.00	6.43	42.30	46.00	3.70	9.66	N
1	0.663	49.80	56.00	6.20	43.74	46.00	2.26	9.66	N
1	0.794	45.84	56.00	10.16	36.87	46.00	9.13	9.67	N
1	0.938	44.49	56.00	11.51	35.40	46.00	10.60	9.67	N

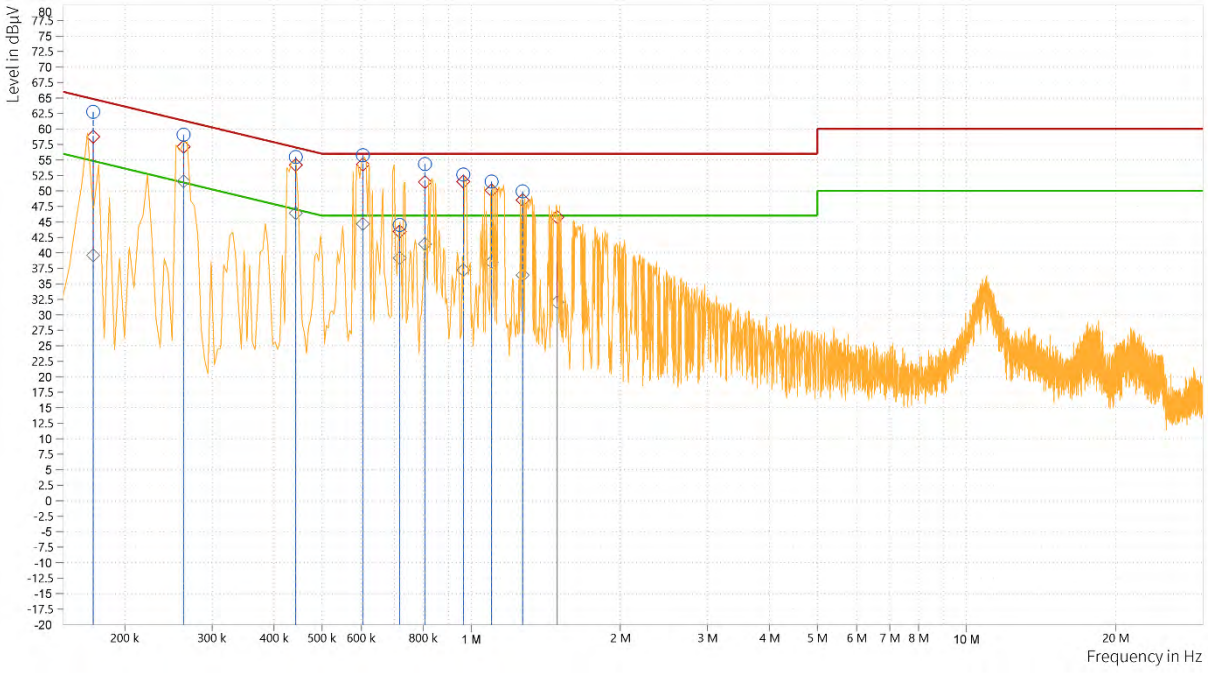
Note:

Via turn off the radio function, this digital device emission is from the non transmitter portion of the EUT and it is an harmonic of the digital circuitry. This emission complies with part 15 Subpart B class A limit.

FG-1000F AC PSU (Delta_left)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.173	57.99	64.84	6.85	39.50	54.84	15.34	9.65	L1
1	0.267	56.10	61.21	5.11	48.46	51.21	2.75	9.65	L1
1	0.438	53.49	57.10	3.61	45.28	47.10	1.82	9.66	L1
1	0.605	54.30	56.00	1.70	45.61	46.00	0.39	9.67	L1
1	0.771	52.86	56.00	3.14	42.07	46.00	3.93	9.67	L1
1	0.942	51.45	56.00	4.55	38.79	46.00	7.21	9.68	L1
1	1.154	49.87	56.00	6.13	38.19	46.00	7.81	9.69	L1
1	1.266	47.65	56.00	8.35	35.50	46.00	10.50	9.69	L1
1	1.437	45.92	56.00	10.08	33.66	46.00	12.34	9.70	L1

FG-1000F AC PSU (Delta_left)

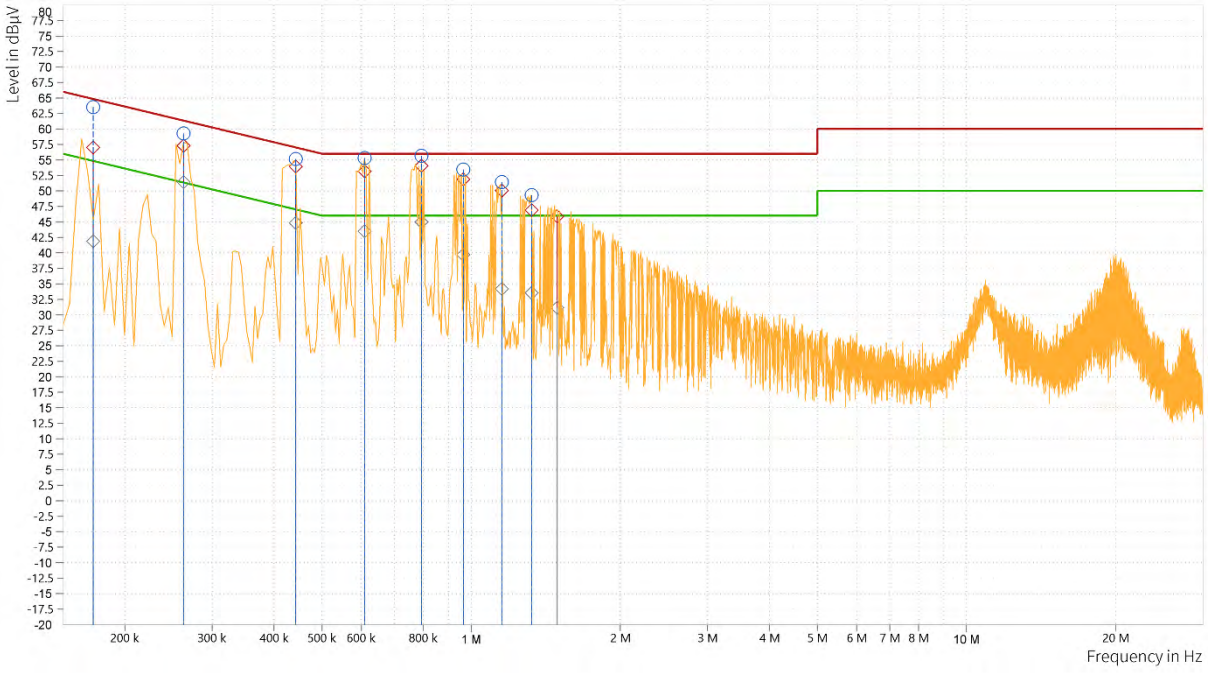


Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.173	58.75	64.84	6.09	39.61	54.84	15.22	9.65	N
1	0.263	57.14	61.35	4.21	51.56	51.35	-0.21	9.65	N
1	0.443	54.16	57.01	2.85	46.41	47.01	0.60	9.66	N
1	0.605	54.26	56.00	1.74	44.69	46.00	1.31	9.66	N
1	0.717	43.46	56.00	12.54	39.15	46.00	6.85	9.66	N
1	0.807	51.42	56.00	4.58	41.45	46.00	4.55	9.67	N
1	0.965	51.52	56.00	4.48	37.24	46.00	8.76	9.67	N
1	1.100	50.08	56.00	5.92	38.52	46.00	7.48	9.68	N
1	1.271	48.53	56.00	7.47	36.42	46.00	9.58	9.68	N
1	1.491	45.75	56.00	10.25	32.06	46.00	13.94	9.69	N

Note:

Via turn off the radio function, this digital device emission is from the non transmitter portion of the EUT and it is an harmonic of the digital circuitry. This emission complies with part 15 Subpart B class A limit.

FG-1000F AC PSU (Delta_right)

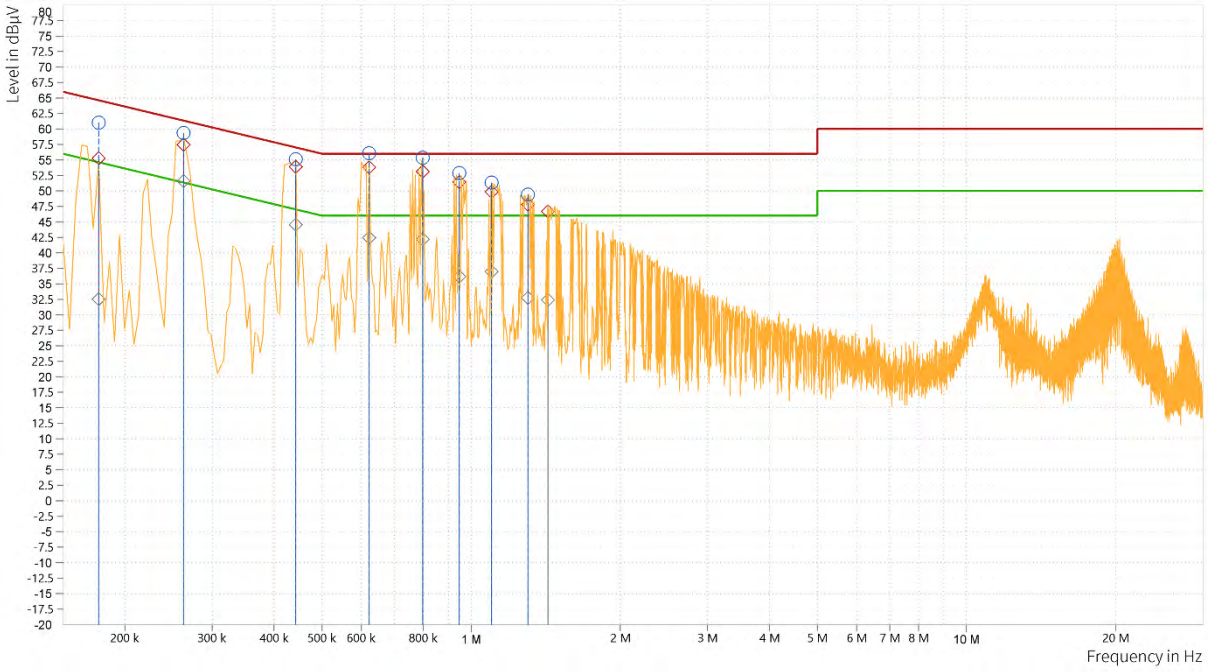


Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.173	57.01	64.84	7.83	41.88	54.84	12.96	9.65	L1
1	0.263	57.31	61.35	4.04	51.41	51.35	-0.06	9.65	L1
1	0.443	53.92	57.01	3.09	44.84	47.01	2.17	9.66	L1
1	0.609	53.16	56.00	2.84	43.50	46.00	2.50	9.67	L1
1	0.794	54.06	56.00	1.94	44.99	46.00	1.01	9.67	L1
1	0.965	51.89	56.00	4.11	39.71	46.00	6.29	9.68	L1
1	1.154	50.04	56.00	5.96	34.19	46.00	11.81	9.69	L1
1	1.325	46.91	56.00	9.09	33.54	46.00	12.46	9.70	L1
1	1.491	45.87	56.00	10.13	31.16	46.00	14.84	9.70	L1

Note:

Via turn off the radio function, this digital device emission is from the non transmitter portion of the EUT and it is an harmonic of the digital circuitry. This emission complies with part 15 Subpart B class A limit.

FG-1000F AC PSU (Delta_right)



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.177	55.26	64.63	9.37	32.52	54.63	22.10	9.65	N
1	0.263	57.47	61.35	3.88	51.60	51.35	-0.25	9.65	N
1	0.443	53.90	57.01	3.11	44.53	47.01	2.48	9.66	N
1	0.623	53.83	56.00	2.17	42.44	46.00	3.56	9.66	N
1	0.798	53.14	56.00	2.86	42.21	46.00	3.79	9.67	N
1	0.947	51.42	56.00	4.58	36.16	46.00	9.84	9.67	N
1	1.100	49.84	56.00	6.16	36.98	46.00	9.02	9.68	N
1	1.302	47.79	56.00	8.21	32.73	46.00	13.27	9.69	N
1	1.428	46.71	56.00	9.29	32.42	46.00	13.58	9.69	N

Note:

Via turn off the radio function, this digital device emission is from the non transmitter portion of the EUT and it is an harmonic of the digital circuitry. This emission complies with part 15 Subpart B class A limit.

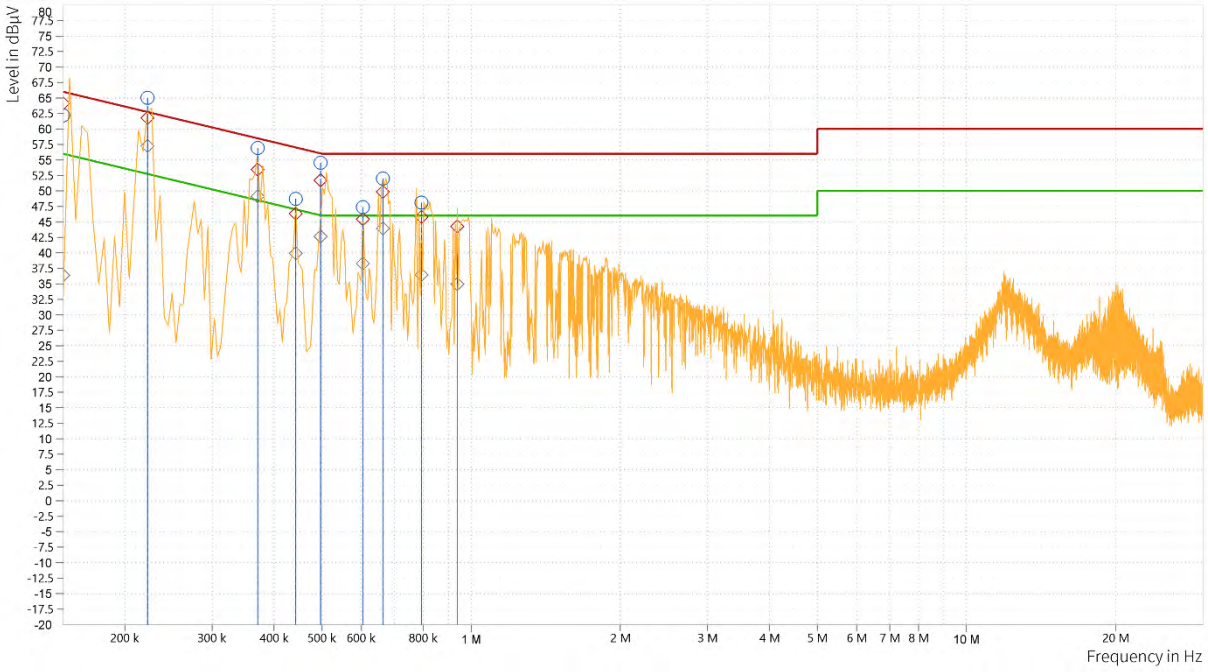
FG-1000F AC PSU (Delta_left+right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.155	61.27	65.75	4.49	35.81	55.75	19.94	9.65	L1
1	0.222	61.68	62.74	1.07	57.36	52.74	-4.61	9.65	L1
1	0.375	54.00	58.39	4.39	46.80	48.39	1.58	9.66	L1
1	0.443	49.43	57.01	7.59	42.55	47.01	4.46	9.66	L1
1	0.497	53.51	56.06	2.54	45.04	46.06	1.02	9.66	L1
1	0.605	50.68	56.00	5.32	42.69	46.00	3.31	9.67	L1
1	0.681	48.05	56.00	7.95	38.68	46.00	7.32	9.67	L1
1	0.794	46.13	56.00	9.87	37.00	46.00	9.00	9.67	L1
1	0.938	44.38	56.00	11.62	34.90	46.00	11.10	9.68	L1

Note:

Via turn off the radio function, this digital device emission is from the non transmitter portion of the EUT and it is an harmonic of the digital circuitry. This emission complies with part 15 Subpart B class A limit.

FG-1000F AC PSU (Delta_left+right)

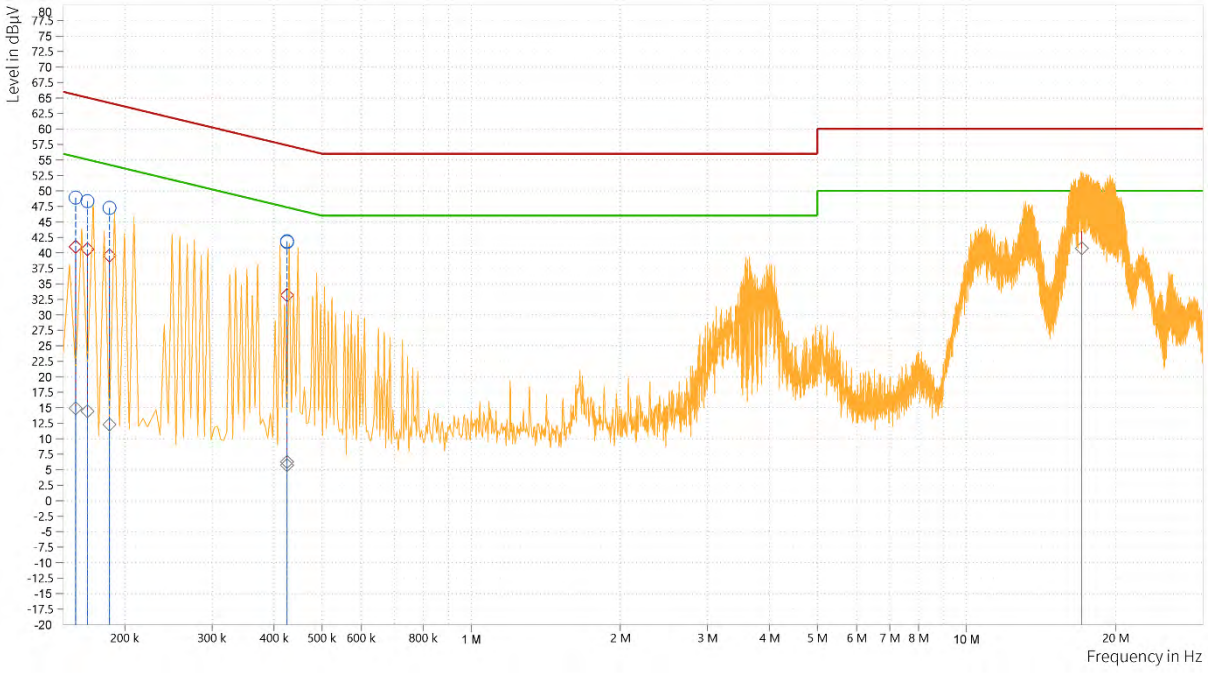


Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.150	64.13	66.00	1.87	36.36	56.00	19.64	9.65	N
1	0.222	61.78	62.74	0.97	57.24	52.74	-4.50	9.65	N
1	0.371	53.45	58.49	5.04	49.14	48.49	-0.65	9.66	N
1	0.443	46.34	57.01	10.68	39.95	47.01	7.06	9.66	N
1	0.497	51.70	56.06	4.36	42.66	46.06	3.39	9.66	N
1	0.605	45.46	56.00	10.54	38.28	46.00	7.72	9.66	N
1	0.663	49.86	56.00	6.14	43.96	46.00	2.04	9.66	N
1	0.794	45.81	56.00	10.19	36.47	46.00	9.53	9.67	N
1	0.938	44.25	56.00	11.75	34.95	46.00	11.05	9.67	N

Note:

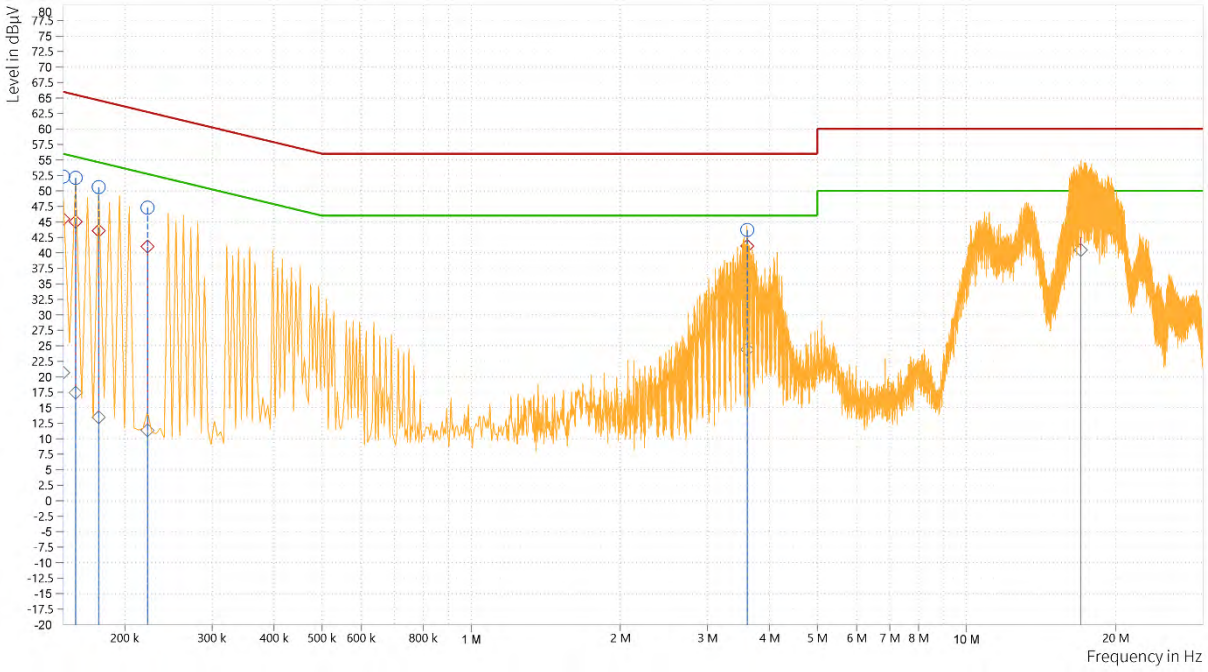
Via turn off the radio function, this digital device emission is from the non transmitter portion of the EUT and it is an harmonic of the digital circuitry. This emission complies with part 15 Subpart B class A limit.

FG-1001F-DC PSU (Delta_left)



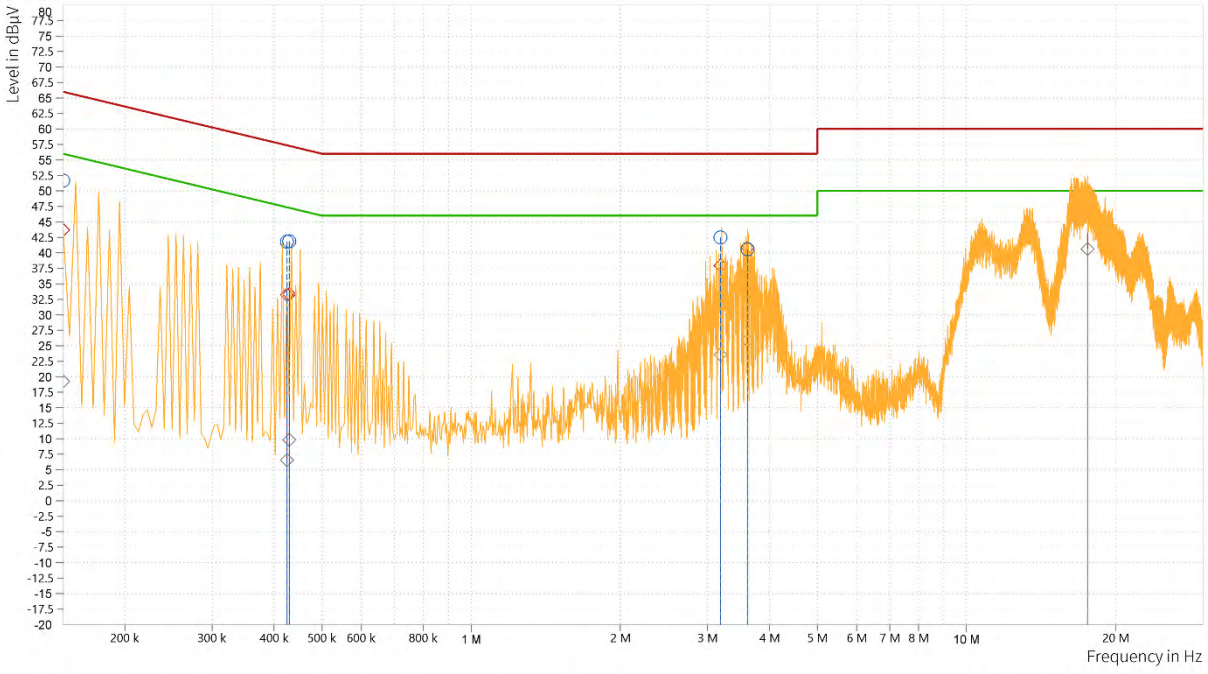
Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.159	41.01	65.52	24.51	14.92	55.52	40.60	9.65	L1
1	0.168	40.58	65.06	24.48	14.46	55.06	40.60	9.65	L1
1	0.186	39.58	64.21	24.63	12.28	54.21	41.93	9.65	L1
1	0.425	33.16	57.36	24.20	6.25	47.36	41.11	9.66	L1
1	0.425	33.16	57.36	24.20	5.76	47.36	41.60	9.66	L1
1	17.093	49.09	60.00	10.91	40.75	50.00	9.25	9.95	L1

FG-1001F-DC PSU (Delta_left)



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.150	45.50	66.00	20.50	20.67	56.00	35.33	9.65	N
1	0.159	45.02	65.52	20.50	17.41	55.52	38.10	9.65	N
1	0.177	43.58	64.63	21.04	13.47	54.63	41.15	9.65	N
1	0.222	41.03	62.74	21.71	11.36	52.74	41.38	9.65	N
1	3.611	41.10	56.00	14.90	24.38	46.00	21.62	9.76	N
1	17.016	48.06	60.00	11.94	40.48	50.00	9.52	9.97	N

FG-1001F-DC PSU (Delta_right)

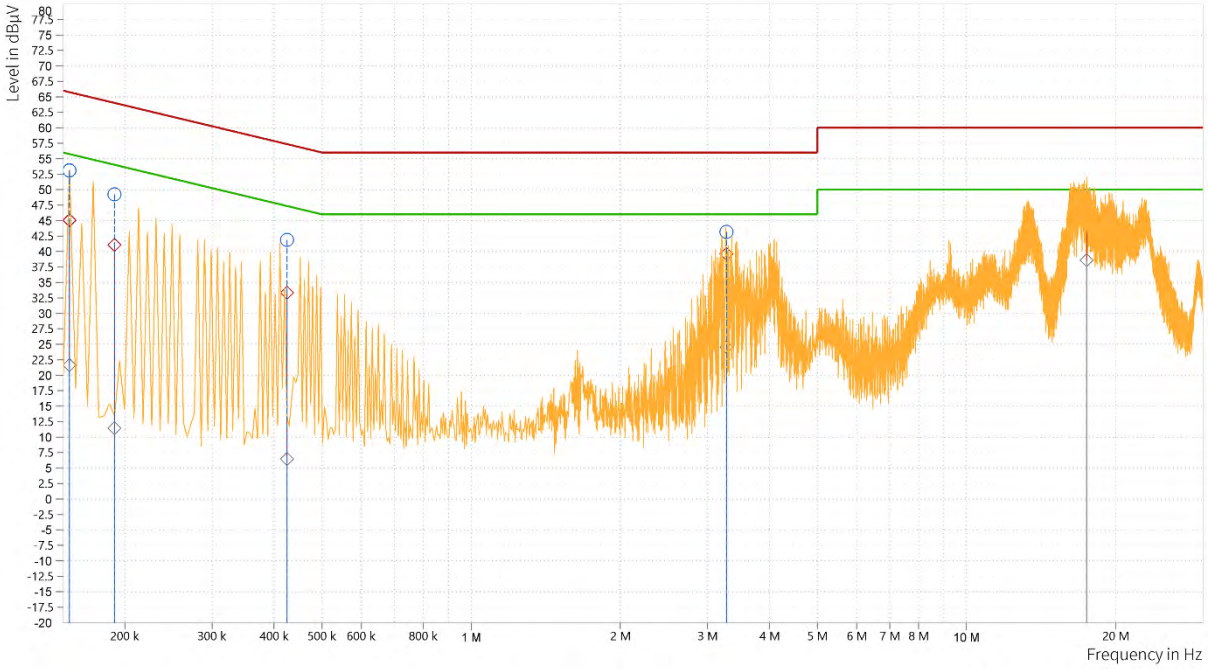


Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.150	43.70	66.00	22.30	19.26	56.00	36.74	9.65	L1
1	0.425	33.27	57.36	24.09	6.55	47.36	40.81	9.66	L1
1	0.429	33.35	57.27	23.92	9.84	47.27	37.43	9.66	L1
1	3.188	37.95	56.00	18.05	23.59	46.00	22.41	9.75	L1
1	3.615	40.83	56.00	15.17	25.89	46.00	20.11	9.75	L1
1	17.552	49.33	60.00	10.67	40.61	50.00	9.39	9.96	L1

FG-1001F-DC PSU (Delta_right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.155	46.40	65.75	19.35	22.71	55.75	33.05	9.65	N
1	0.191	43.20	64.01	20.81	13.23	54.01	40.78	9.65	N
1	0.213	41.80	63.09	21.29	12.33	53.09	40.76	9.65	N
1	0.213	41.82	63.09	21.27	12.30	53.09	40.79	9.65	N
1	13.290	45.29	60.00	14.71	37.34	50.00	12.66	9.91	N
1	16.913	49.24	60.00	10.76	40.09	50.00	9.91	9.97	N

FG-1001F-DC PSU (Delta_left+right)



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.155	45.04	65.75	20.71	21.65	55.75	34.11	9.65	L1
1	0.155	45.06	65.75	20.69	21.62	55.75	34.13	9.65	L1
1	0.191	41.05	64.01	22.96	11.45	54.01	42.57	9.65	L1
1	0.425	33.35	57.36	24.00	6.45	47.36	40.91	9.66	L1
1	3.278	39.60	56.00	16.40	24.56	46.00	21.44	9.75	L1
1	17.489	46.74	60.00	13.26	38.59	50.00	11.41	9.96	L1

FG-1001F-DC PSU (Delta_left+right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.155	47.05	65.75	18.71	23.05	55.75	32.70	9.65	N
1	0.177	44.52	64.63	20.11	14.18	54.63	40.45	9.65	N
1	3.615	47.54	56.00	8.46	30.84	46.00	15.16	9.76	N
1	4.083	42.10	56.00	13.90	28.59	46.00	17.41	9.77	N
1	13.385	44.85	60.00	15.15	37.08	50.00	12.92	9.92	N
1	16.553	47.87	60.00	12.13	39.72	50.00	10.28	9.97	N

FG-1001F-DC PSU Murata(Delta_left)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.209	42.79	63.26	20.48	12.37	53.26	40.89	9.65	L1
1	0.218	43.55	62.91	19.36	13.16	52.91	39.75	9.65	L1
1	0.218	43.54	62.91	19.37	13.16	52.91	39.75	9.65	L1
1	3.633	45.62	56.00	10.38	29.48	46.00	16.52	9.75	L1
1	16.175	47.99	60.00	12.01	39.56	50.00	10.44	9.94	L1
1	17.187	46.43	60.00	13.57	38.51	50.00	11.49	9.95	L1

FG-1001F-DC PSU Murata(Delta_left)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.195	43.53	63.82	20.29	12.06	53.82	41.76	9.65	N
1	0.209	44.51	63.26	18.75	13.20	53.26	40.07	9.65	N
1	0.218	44.81	62.91	18.11	13.47	52.91	39.44	9.65	N
1	0.231	42.68	62.41	19.73	11.55	52.41	40.87	9.65	N
1	3.647	45.08	56.00	10.92	29.18	46.00	16.82	9.76	N
1	16.278	49.17	60.00	10.83	40.60	50.00	9.40	9.96	N

FG-1001F-DC PSU Murata(Delta_right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.213	42.57	63.09	20.52	13.28	53.09	39.81	9.65	L1
1	0.218	42.87	62.91	20.05	13.14	52.91	39.77	9.65	L1
1	0.222	42.91	62.74	19.84	12.26	52.74	40.49	9.65	L1
1	0.245	38.55	61.94	23.40	10.17	51.94	41.78	9.65	L1
1	3.647	44.96	56.00	11.04	29.09	46.00	16.91	9.75	L1
1	16.427	47.34	60.00	12.66	38.42	50.00	11.58	9.95	L1

FG-1001F-DC PSU Murata(Delta_right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.159	42.80	65.52	22.72	14.73	55.52	40.78	9.65	N
1	0.195	43.05	63.82	20.77	10.74	53.82	43.09	9.65	N
1	0.213	44.16	63.09	18.93	12.80	53.09	40.29	9.65	N
1	0.218	44.26	62.91	18.65	12.64	52.91	40.27	9.65	N
1	0.236	41.85	62.25	20.40	10.76	52.25	41.49	9.65	N
1	16.485	47.98	60.00	12.02	39.54	50.00	10.46	9.97	N

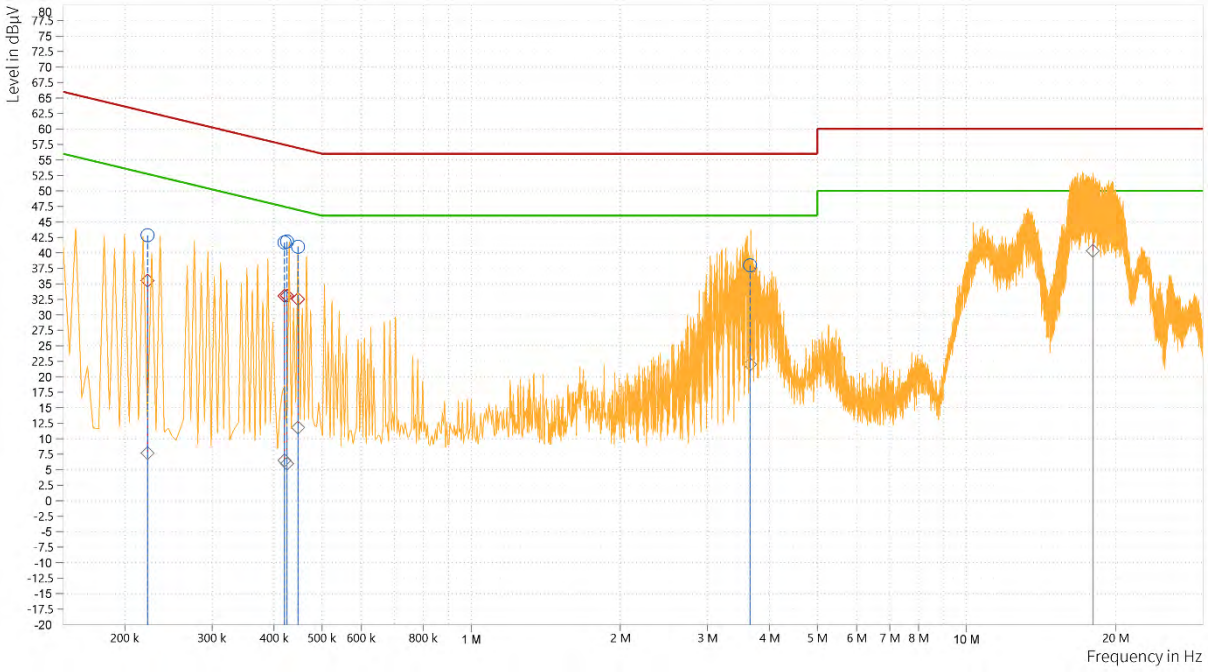
FG-1001F-DC PSU Murata(Delta_left+right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.245	38.74	61.94	23.20	9.20	51.94	42.74	9.65	L1
1	0.254	39.17	61.64	22.47	8.99	51.64	42.65	9.65	L1
1	0.272	39.39	61.07	21.69	9.32	51.07	41.75	9.65	L1
1	3.570	45.91	56.00	10.09	30.06	46.00	15.94	9.75	L1
1	16.521	47.51	60.00	12.49	38.71	50.00	11.29	9.95	L1
1	21.570	46.47	60.00	13.53	39.22	50.00	10.78	9.99	L1

FG-1001F-DC PSU Murata(Delta_left+right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.249	41.12	61.79	20.67	9.50	51.79	42.29	9.65	N
1	0.254	41.41	61.64	20.23	9.25	51.64	42.39	9.65	N
1	0.263	41.43	61.35	19.92	10.02	51.35	41.34	9.65	N
1	3.615	45.65	56.00	10.35	30.17	46.00	15.83	9.76	N
1	16.337	48.36	60.00	11.64	39.84	50.00	10.16	9.97	N
1	21.615	45.42	60.00	14.58	39.05	50.00	10.95	10.04	N

FG-1000F-DC PSU (Delta_left)



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.222	35.54	62.74	27.21	7.66	52.74	45.08	9.65	L1
1	0.420	33.07	57.45	24.38	6.51	47.45	40.94	9.66	L1
1	0.425	33.12	57.36	24.24	5.98	47.36	41.38	9.66	L1
1	0.447	32.54	56.93	24.39	11.79	46.93	35.14	9.66	L1
1	3.656	37.27	56.00	18.73	22.00	46.00	24.00	9.75	L1
1	18.002	48.53	60.00	11.47	40.32	50.00	9.68	9.96	L1

FG-1000F-DC PSU (Delta_left)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.164	42.89	65.28	22.40	14.55	55.28	40.73	9.65	N
1	0.186	41.53	64.21	22.68	13.76	54.21	40.46	9.65	N
1	0.195	41.12	63.82	22.70	11.67	53.82	42.15	9.65	N
1	0.218	40.18	62.91	22.74	11.21	52.91	41.70	9.65	N
1	13.241	44.62	60.00	15.38	36.55	50.00	13.45	9.91	N
1	17.520	50.23	60.00	9.77	41.68	50.00	8.32	9.98	N

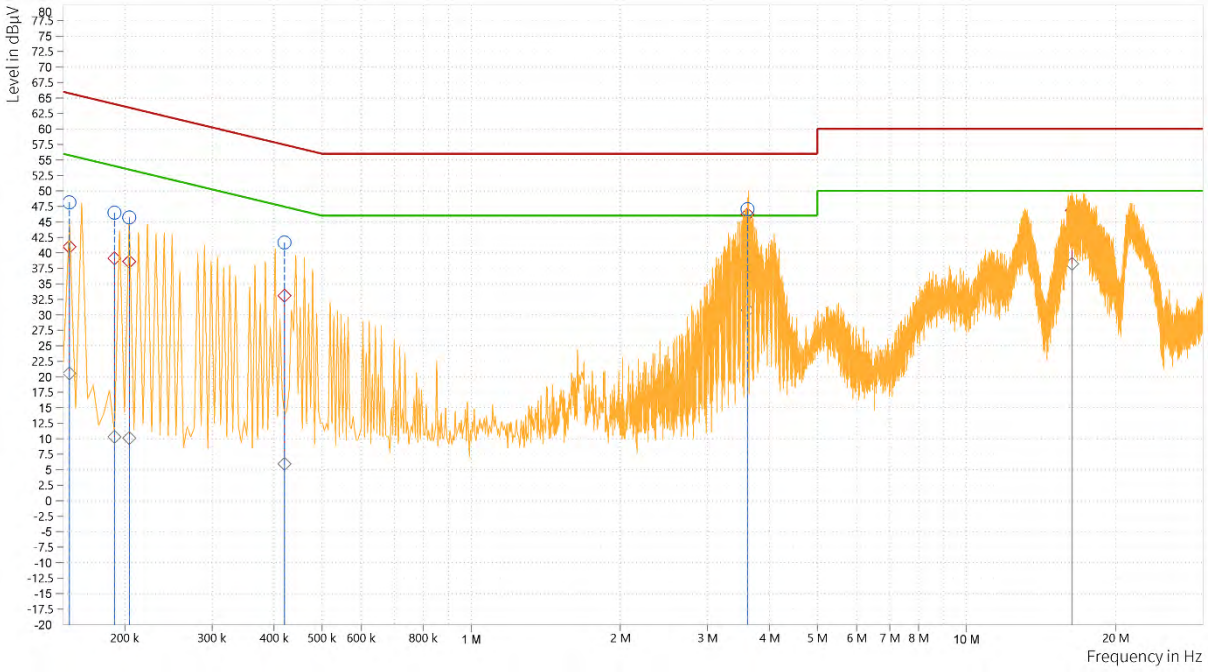
FG-1000F-DC PSU (Delta_right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.209	34.11	63.26	29.15	5.61	53.26	47.66	9.65	L1
1	0.213	34.15	63.09	28.94	6.41	53.09	46.67	9.65	L1
1	0.227	33.97	62.58	28.61	5.81	52.58	46.77	9.65	L1
1	0.416	33.01	57.54	24.53	10.66	47.54	36.88	9.66	L1
1	0.443	33.07	57.01	23.94	10.66	47.01	36.35	9.66	L1
1	17.111	48.76	60.00	11.24	40.23	50.00	9.77	9.95	L1

FG-1000F-DC PSU (Delta_right)

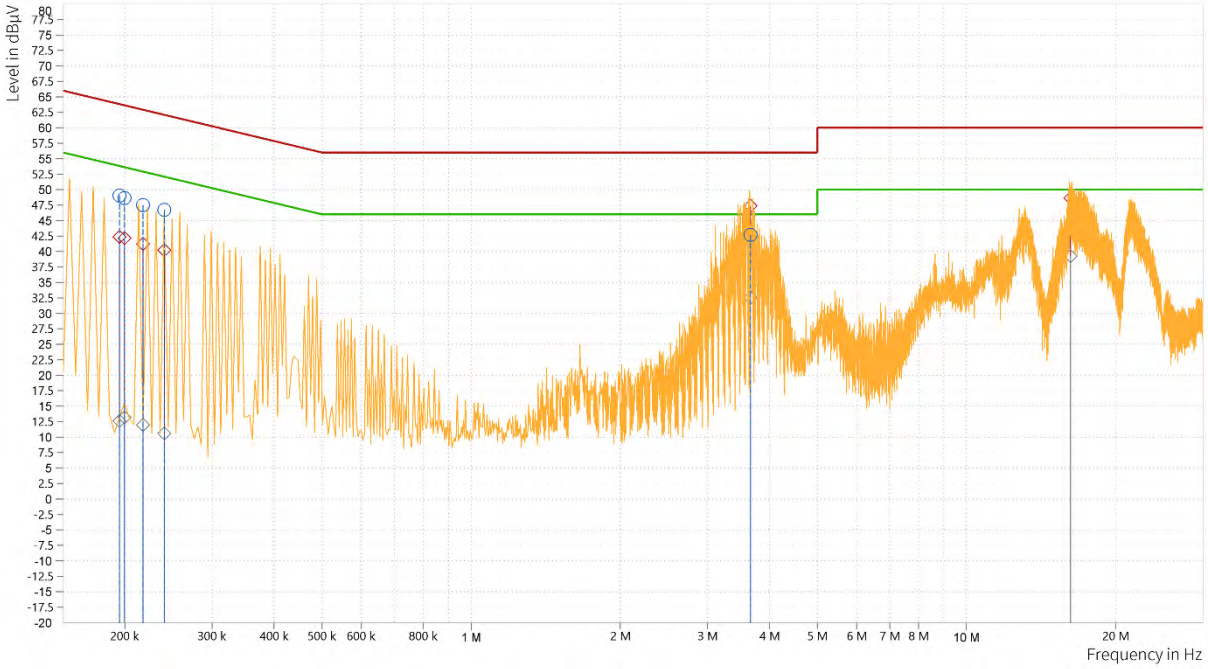
Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.173	40.22	64.84	24.62	12.41	54.84	42.43	9.65	N
1	0.231	37.99	62.41	24.42	9.55	52.41	42.86	9.65	N
1	0.249	37.64	61.79	24.15	8.71	51.79	43.08	9.65	N
1	0.267	37.22	61.21	23.99	7.99	51.21	43.22	9.65	N
1	17.457	49.98	60.00	10.02	40.95	50.00	9.05	9.98	N
1	20.571	46.69	60.00	13.31	38.91	50.00	11.09	10.02	N

FG-1000F-DC PSU (Delta_left+right)



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.155	41.01	65.75	24.75	20.54	55.75	35.21	9.65	L1
1	0.191	39.12	64.01	24.89	10.30	54.01	43.71	9.65	L1
1	0.204	38.60	63.45	24.85	10.09	53.45	43.36	9.65	L1
1	0.420	33.09	57.45	24.36	5.95	47.45	41.50	9.66	L1
1	3.615	46.20	56.00	9.80	30.73	46.00	15.27	9.75	L1
1	16.337	46.84	60.00	13.16	38.23	50.00	11.77	9.94	L1

FG-1000F-DC PSU (Delta_left+right)



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.195	42.36	63.82	21.46	12.61	53.82	41.21	9.65	N
1	0.200	42.17	63.63	21.46	13.20	53.63	40.43	9.65	N
1	0.218	41.24	62.91	21.67	11.96	52.91	40.95	9.65	N
1	0.240	40.23	62.10	21.87	10.60	52.10	41.49	9.65	N
1	3.665	47.38	56.00	8.62	32.52	46.00	13.48	9.76	N
1	16.215	48.63	60.00	11.37	39.24	50.00	10.76	9.96	N

FG-1000F-DC PSU Murata(Delta_left)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.209	43.85	63.26	19.41	14.18	53.26	39.08	9.65	L1
1	0.218	44.82	62.91	18.10	15.10	52.91	37.81	9.65	L1
1	0.218	44.86	62.91	18.05	15.11	52.91	37.80	9.65	L1
1	0.222	44.96	62.74	17.78	14.54	52.74	38.20	9.65	L1
1	3.665	44.47	56.00	11.53	29.91	46.00	16.09	9.75	L1
1	16.220	47.87	60.00	12.13	39.54	50.00	10.46	9.94	L1

FG-1000F-DC PSU Murata(Delta_left)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.200	45.07	63.63	18.57	14.98	53.63	38.65	9.65	N
1	0.218	46.08	62.91	16.83	15.88	52.91	37.03	9.65	N
1	0.218	46.11	62.91	16.81	15.87	52.91	37.04	9.65	N
1	0.218	46.15	62.91	16.77	15.95	52.91	36.96	9.65	N
1	3.620	42.26	56.00	13.74	26.30	46.00	19.70	9.76	N
1	16.233	48.79	60.00	11.21	39.80	50.00	10.20	9.96	N

FG-1000F-DC PSU Murata(Delta_right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.191	44.51	64.01	19.51	14.21	54.01	39.80	9.65	L1
1	0.213	46.41	63.09	16.68	16.54	53.09	36.55	9.65	L1
1	0.218	46.57	62.91	16.35	16.39	52.91	36.52	9.65	L1
1	0.227	46.36	62.58	16.21	15.93	52.58	36.64	9.65	L1
1	0.227	46.40	62.58	16.18	15.94	52.58	36.63	9.65	L1
1	16.170	47.51	60.00	12.49	39.01	50.00	10.99	9.94	L1

FG-1000F-DC PSU Murata(Delta_right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.155	46.88	65.75	18.88	22.97	55.75	32.79	9.65	N
1	0.159	46.61	65.52	18.91	18.28	55.52	37.24	9.65	N
1	0.213	47.21	63.09	15.87	16.99	53.09	36.10	9.65	N
1	0.218	47.22	62.91	15.69	16.78	52.91	36.14	9.65	N
1	3.615	45.37	56.00	10.63	26.65	46.00	19.35	9.76	N
1	17.295	46.88	60.00	13.12	38.50	50.00	11.50	9.98	N

FG-1000F-DC PSU Murata(Delta_left+right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.249	40.56	61.79	21.23	11.02	51.79	40.77	9.65	L1
1	0.258	40.86	61.50	20.64	11.35	51.50	40.15	9.65	L1
1	0.263	40.99	61.35	20.36	11.52	51.35	39.83	9.65	L1
1	0.267	40.97	61.21	20.24	11.06	51.21	40.16	9.65	L1
1	3.665	45.86	56.00	10.14	31.53	46.00	14.47	9.75	L1
1	16.152	46.81	60.00	13.19	38.49	50.00	11.51	9.94	L1

FG-1000F-DC PSU Murata(Delta_left+right)

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.249	42.53	61.79	19.26	12.56	51.79	39.23	9.65	N
1	0.254	42.62	61.64	19.03	12.35	51.64	39.29	9.65	N
1	0.272	42.49	61.07	18.58	12.55	51.07	38.53	9.65	N
1	0.272	42.43	61.07	18.64	12.40	51.07	38.67	9.65	N
1	16.274	47.90	60.00	12.10	39.53	50.00	10.47	9.96	N
1	21.435	45.29	60.00	14.71	38.38	50.00	11.62	10.04	N

5.2. Conducted Test Results

Duty cycle
Reference Appendix A

Maximum Conducted Output Power Measurement
Reference Appendix A

6 dB RF Bandwidth Measurement
Reference Appendix A

Maximum Power Density Measurement
Reference Appendix A

Out of Band Conducted Emissions Measurement
Reference level
Reference Appendix B

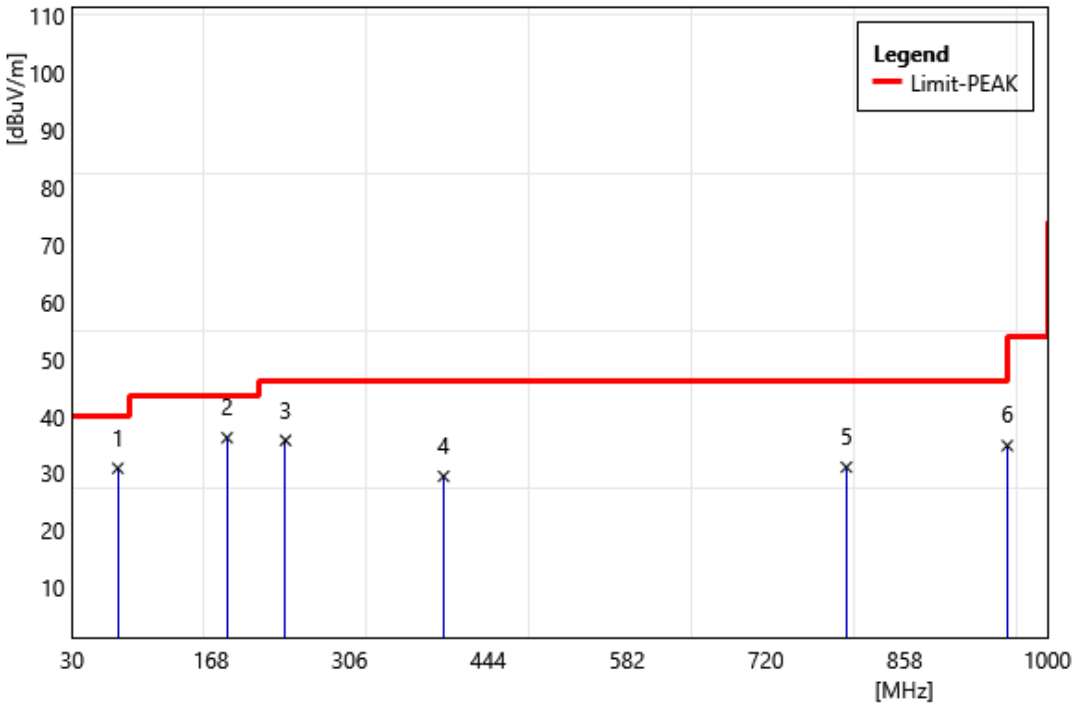
Out of Band Conducted Emissions
Reference Appendix B

Conducted Band Edge
Reference Appendix B

5.3. Radiated Emission Measurement

Below 1 GHz

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1001F AC PSU (Delta_left)		



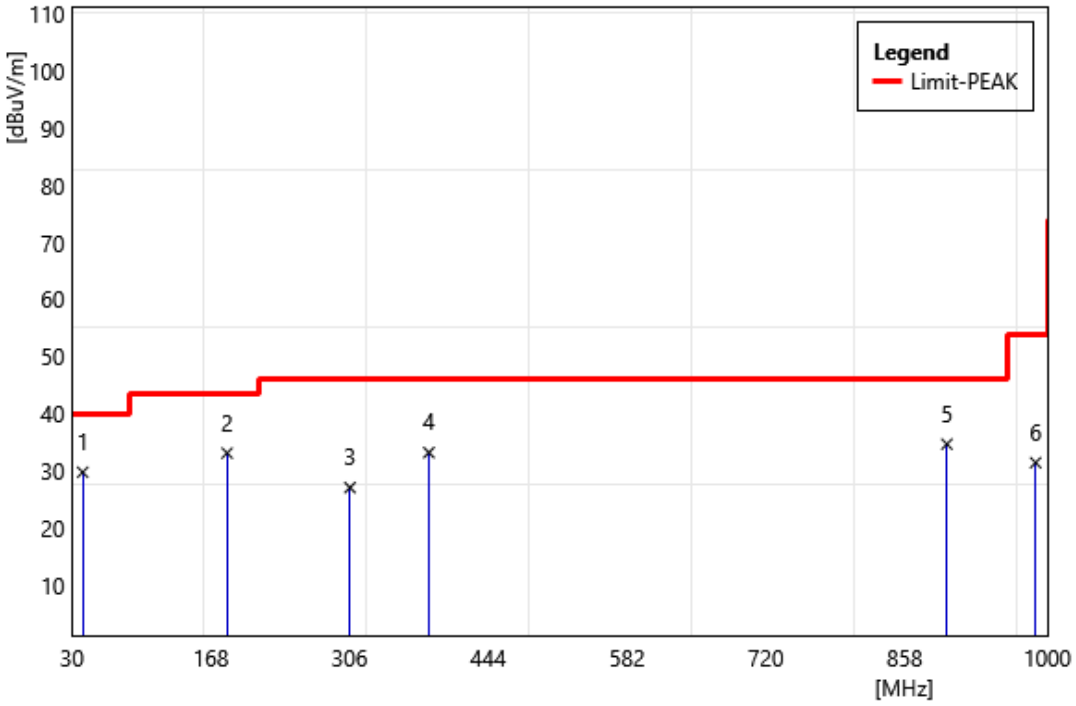
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	75.59	46.36	-15.44	30.92	40	-9.08	PEAK
2	184.23	50.16	-13.91	36.25	43.5	-7.25	PEAK
3	242.43	49.05	-13.26	35.79	46	-10.21	PEAK
4	399.57	38.3	-8.79	29.51	46	-16.49	PEAK
5	800.18	33.29	-2.17	31.12	46	-14.88	PEAK
6	960.23	35.18	-0.31	34.87	54	-19.13	PEAK

Note:

1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

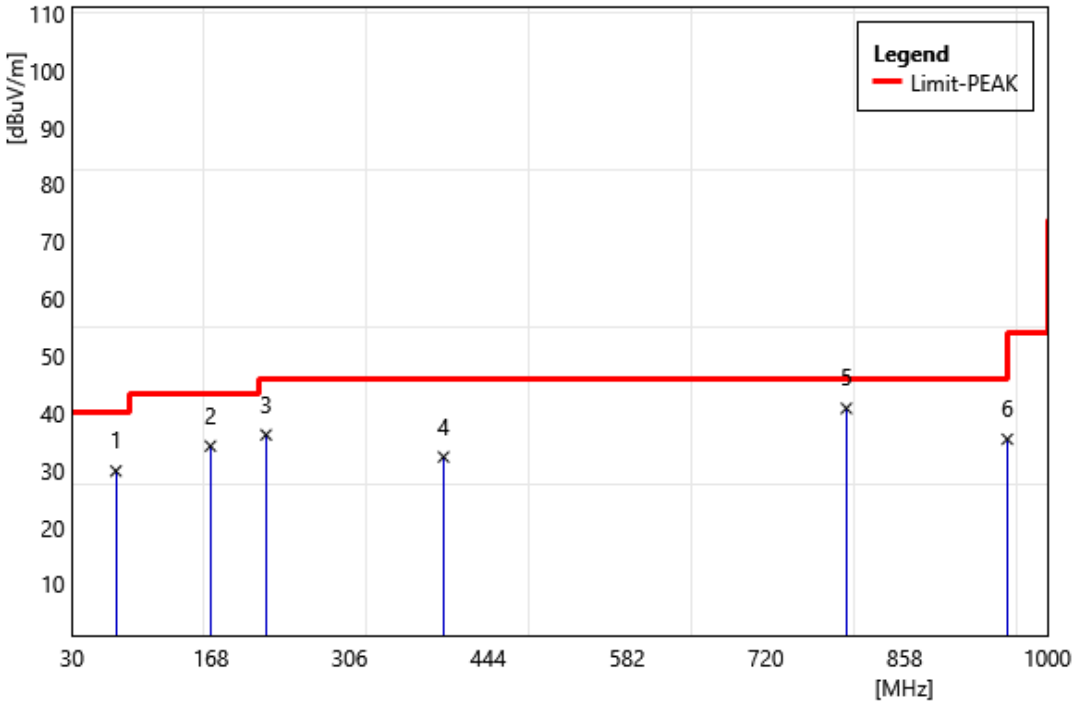
2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB)

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1001F AC PSU (Delta_left)		



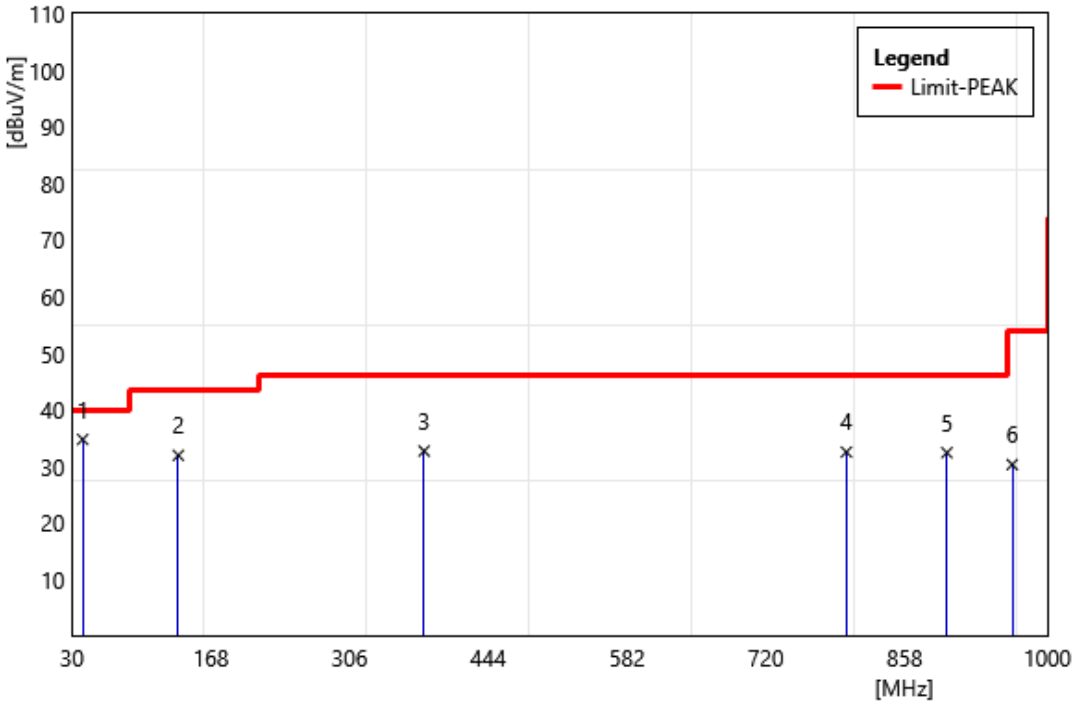
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	40.67	42.31	-12.51	29.8	40	-10.2	QP
2	184.23	47.05	-13.91	33.14	43.5	-10.36	PEAK
3	306.45	38.31	-11.21	27.1	46	-18.9	PEAK
4	385.02	42.37	-9.14	33.23	46	-12.77	PEAK
5	900.09	35.98	-1.26	34.72	46	-11.28	PEAK
6	988.36	31.78	-0.32	31.46	54	-22.54	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1001F AC PSU (Delta_right)		



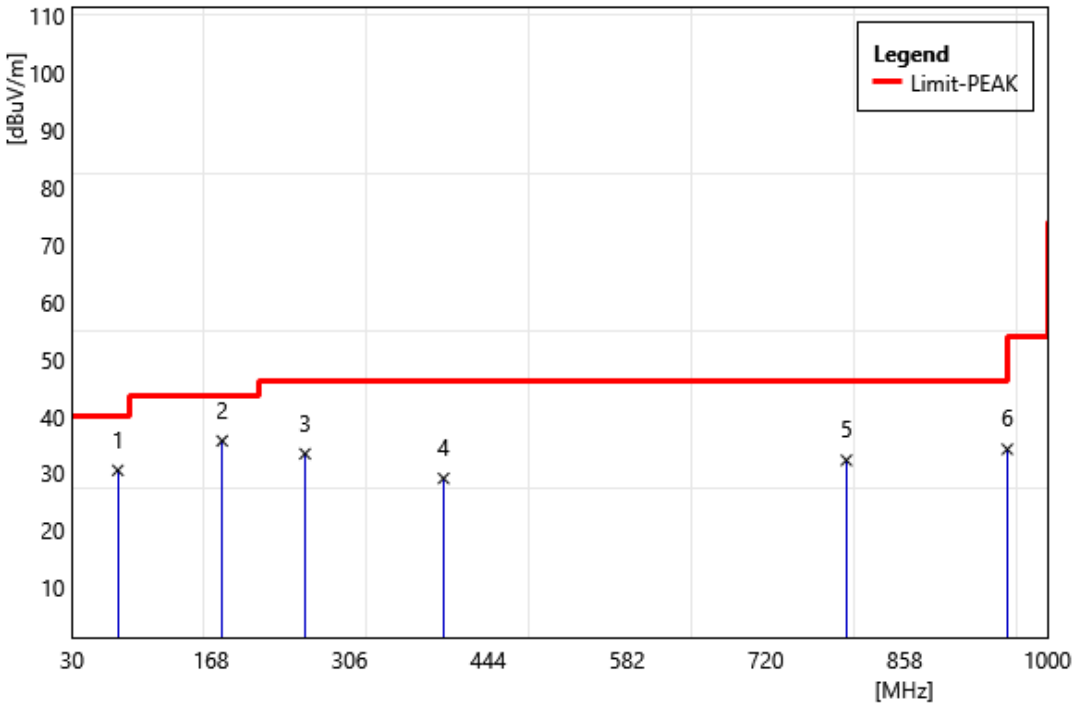
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	73.65	44.98	-15.13	29.85	40	-10.15	PEAK
2	167.74	46.38	-12.15	34.23	43.5	-9.27	PEAK
3	223.03	51.44	-15.24	36.2	46	-9.8	PEAK
4	399.57	41.11	-8.79	32.32	46	-13.68	PEAK
5	800.18	43	-2.17	40.83	46	-5.17	PEAK
6	960.23	35.73	-0.31	35.42	54	-18.58	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1001F AC PSU (Delta_right)		



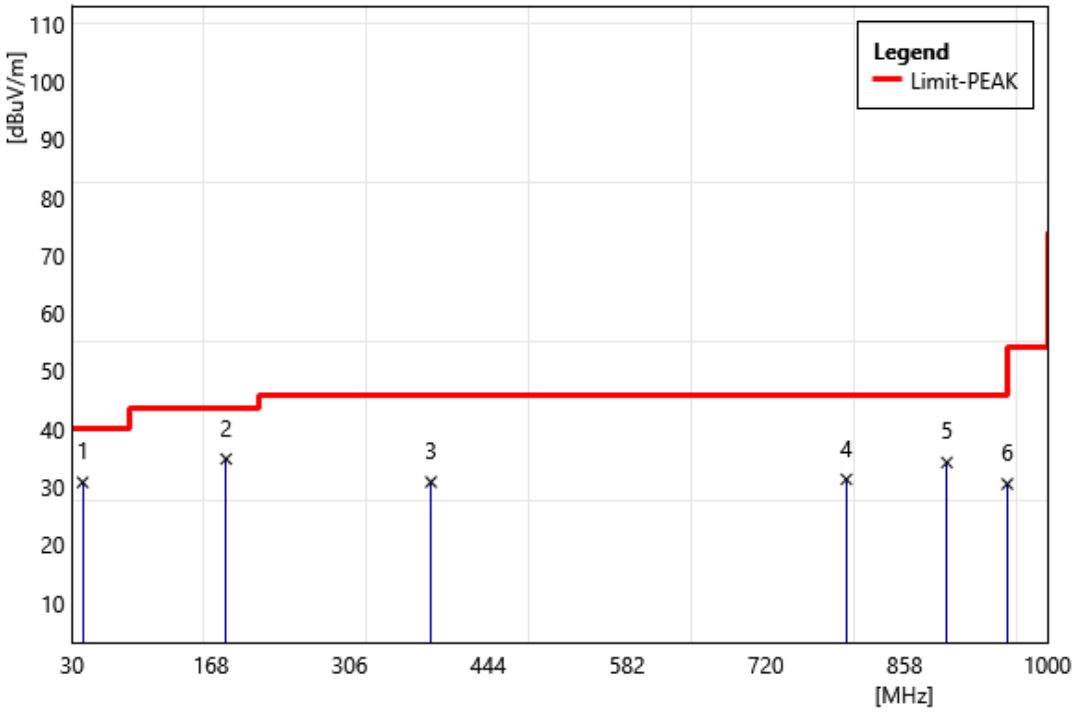
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	40.67	47.31	-12.51	34.8	40	-5.2	PEAK
2	135.73	44.94	-12.93	32.01	43.5	-11.49	PEAK
3	380.17	42	-9.24	32.76	46	-13.24	PEAK
4	800.18	34.75	-2.17	32.58	46	-13.42	PEAK
5	900.09	33.73	-1.26	32.47	46	-13.53	PEAK
6	965.08	30.75	-0.37	30.38	54	-23.62	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1001F AC PSU (Delta_left+right)		



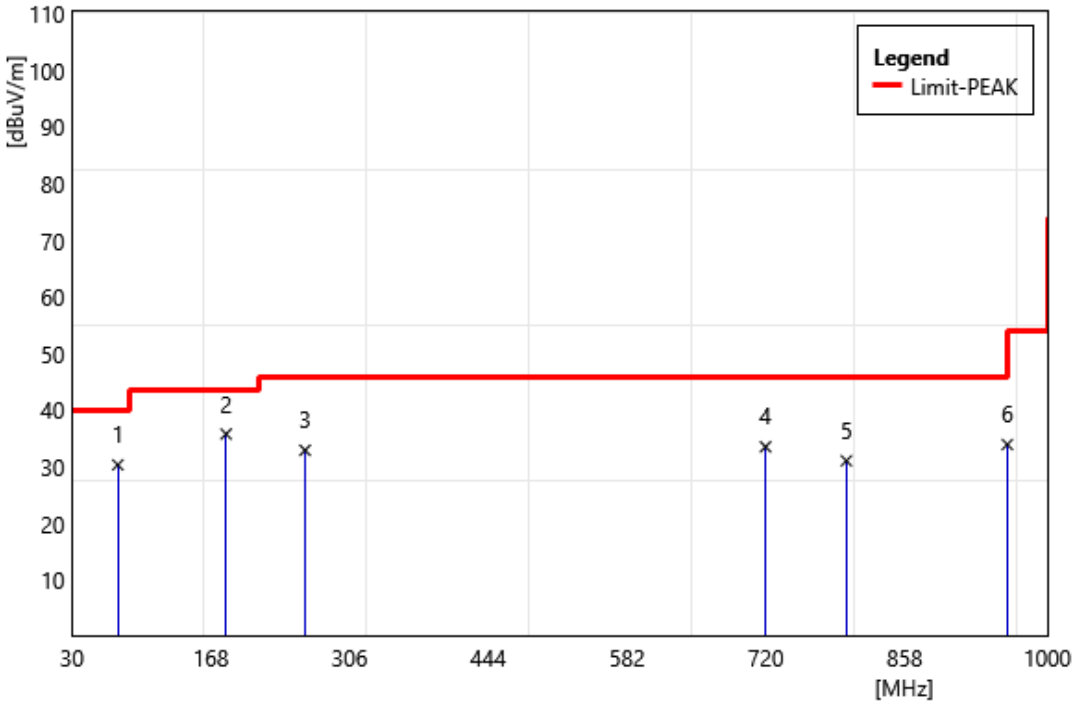
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	75.59	45.99	-15.44	30.55	40	-9.45	PEAK
2	179.38	49	-13.3	35.7	43.5	-7.8	PEAK
3	261.83	46.3	-12.85	33.45	46	-12.55	PEAK
4	399.57	37.94	-8.79	29.15	46	-16.85	PEAK
5	800.18	34.49	-2.17	32.32	46	-13.68	PEAK
6	960.23	34.56	-0.31	34.25	54	-19.75	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1001F AC PSU (Delta_left+right)		



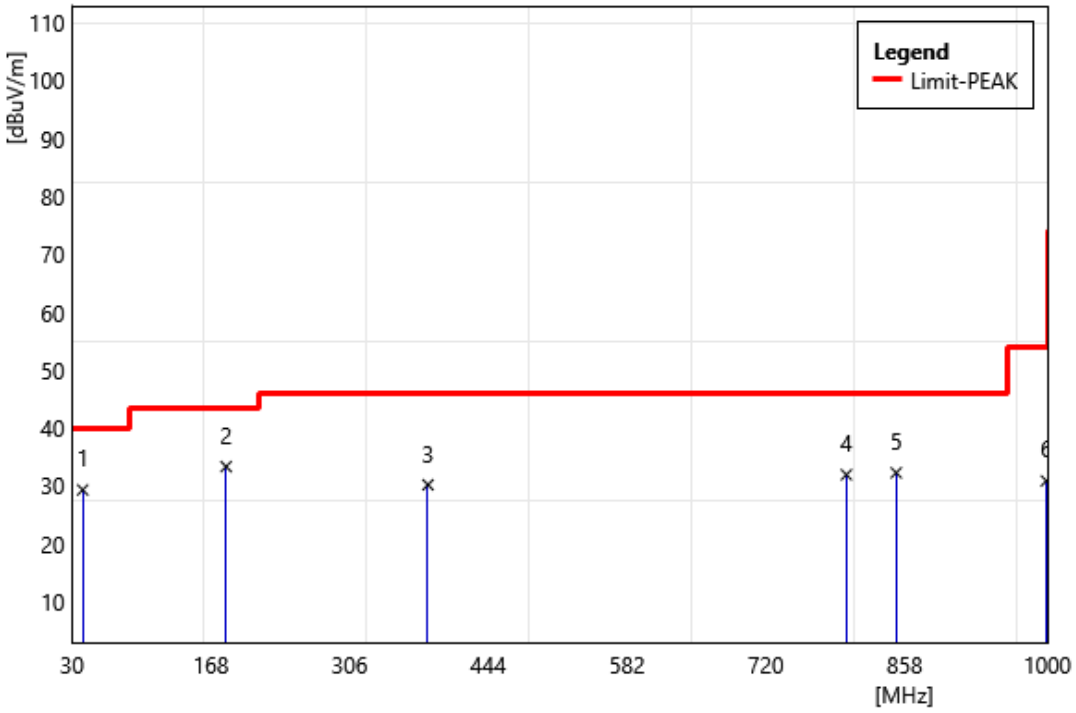
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	40.67	43.31	-12.51	30.8	40	-9.2	QP
2	183.26	48.58	-13.74	34.84	43.5	-8.66	PEAK
3	386.96	39.91	-9.05	30.86	46	-15.14	PEAK
4	800.18	33.5	-2.17	31.33	46	-14.67	PEAK
5	900.09	35.5	-1.26	34.24	46	-11.76	PEAK
6	960.23	30.83	-0.31	30.52	54	-23.48	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1000F AC PSU (Delta_left)		



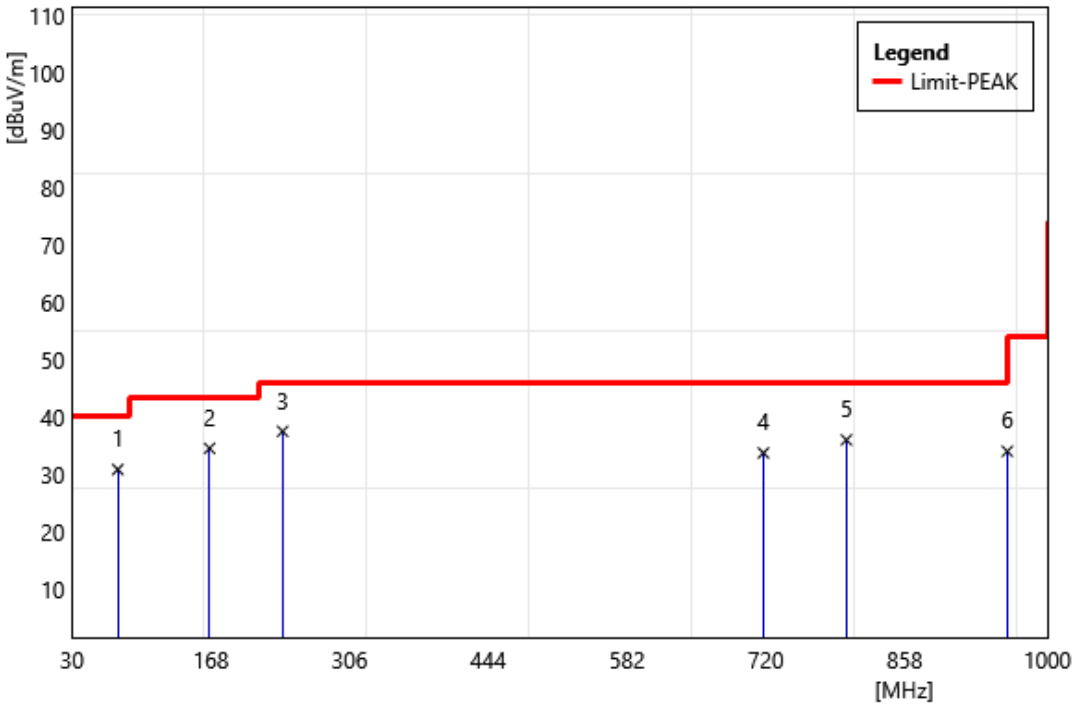
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	75.59	45.85	-15.44	30.41	40	-9.59	PEAK
2	183.26	49.58	-13.74	35.84	43.5	-7.66	PEAK
3	261.83	45.83	-12.85	32.98	46	-13.02	PEAK
4	719.67	36.81	-3.22	33.59	46	-12.41	PEAK
5	800.18	33.3	-2.17	31.13	46	-14.87	PEAK
6	960.23	34.3	-0.31	33.99	54	-20.01	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1000F AC PSU (Delta_left)		



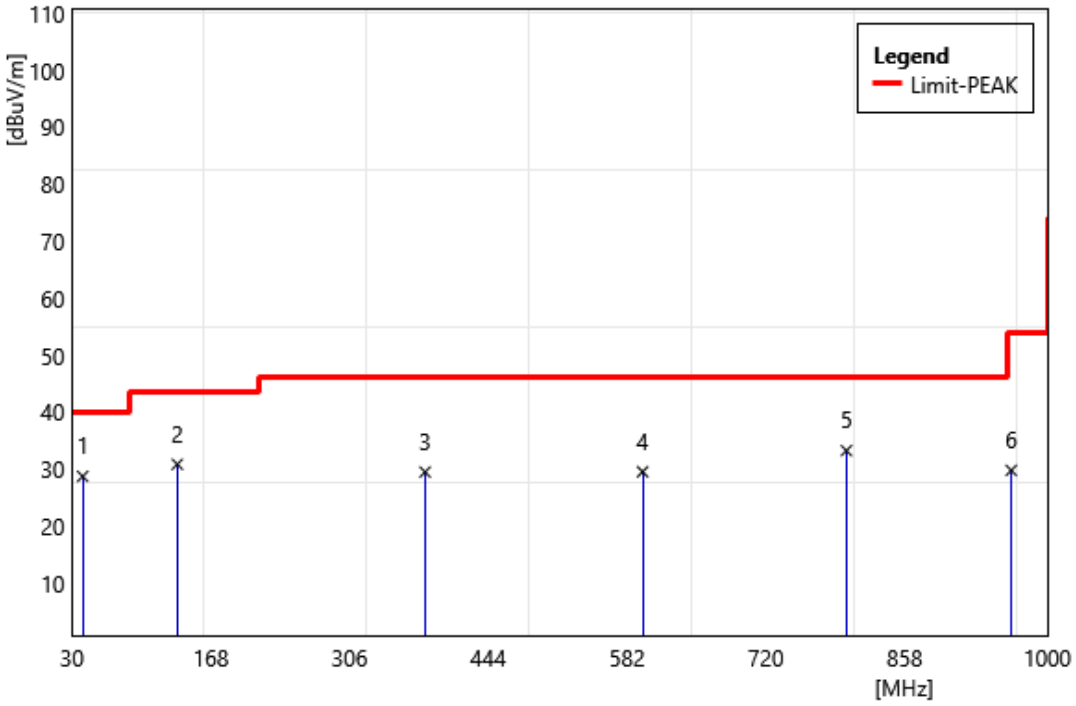
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	40.67	41.81	-12.51	29.3	40	-10.7	QP
2	183.26	47.08	-13.74	33.34	43.5	-10.16	PEAK
3	384.05	39.35	-9.16	30.19	46	-15.81	PEAK
4	800.18	34.11	-2.17	31.94	46	-14.06	PEAK
5	849.65	33.86	-1.59	32.27	46	-13.73	PEAK
6	999.03	31.15	-0.29	30.86	54	-23.14	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1000F AC PSU (Delta_right)		



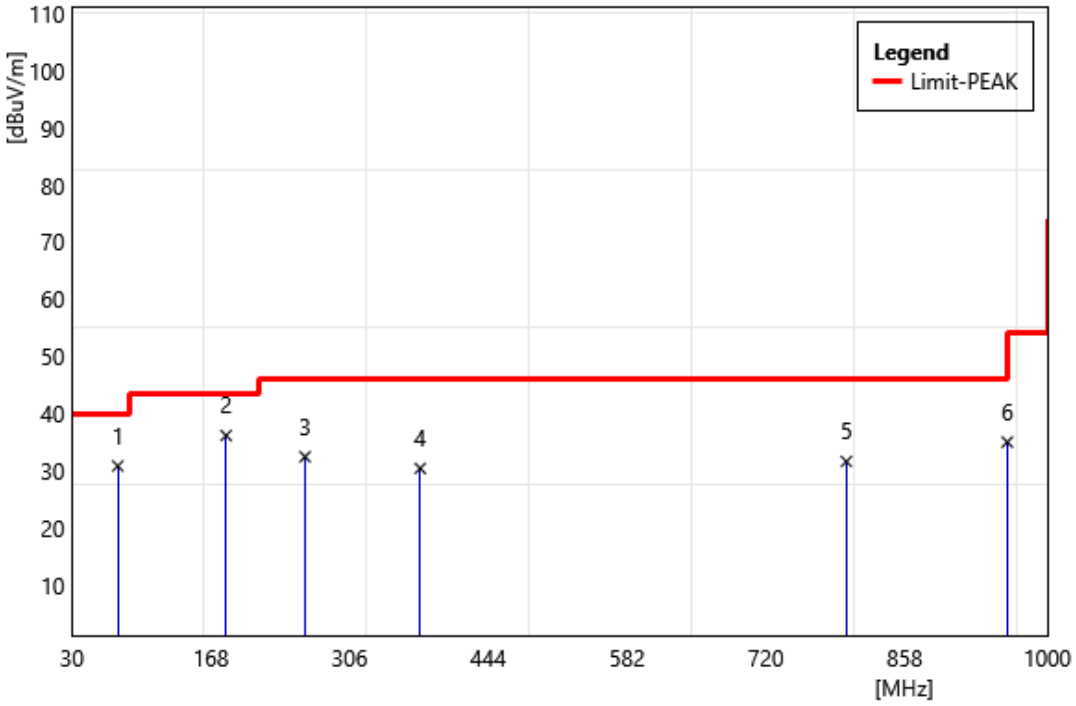
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	75.59	46.28	-15.44	30.84	40	-9.16	PEAK
2	166.77	46.58	-12.05	34.53	43.5	-8.97	PEAK
3	239.52	50.92	-13.41	37.51	46	-8.49	PEAK
4	717.73	36.98	-3.26	33.72	46	-12.28	PEAK
5	800.18	38.17	-2.17	36	46	-10	PEAK
6	960.23	34.33	-0.31	34.02	54	-19.98	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1000F AC PSU (Delta_right)		



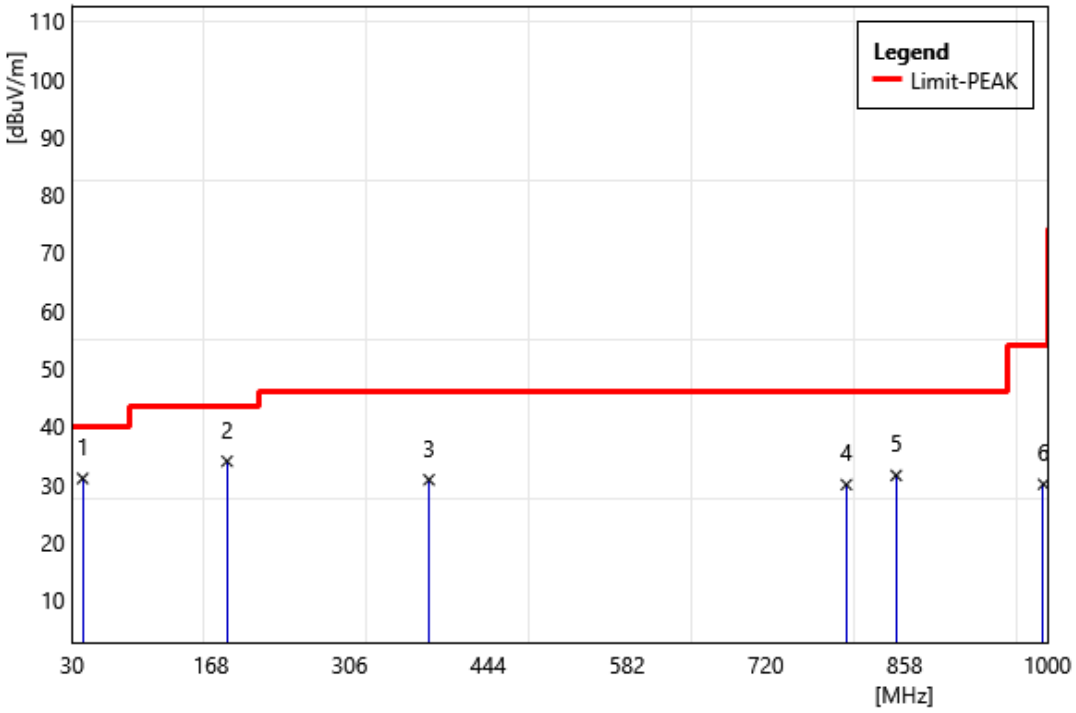
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	40.67	41.21	-12.51	28.7	40	-11.3	QP
2	134.76	43.86	-13.05	30.81	43.5	-12.69	PEAK
3	381.14	38.68	-9.22	29.46	46	-16.54	PEAK
4	597.45	34.61	-5.11	29.5	46	-16.5	PEAK
5	800.18	35.39	-2.17	33.22	46	-12.78	PEAK
6	964.11	30.12	-0.36	29.76	54	-24.24	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1000F AC PSU (Delta_left+right)		



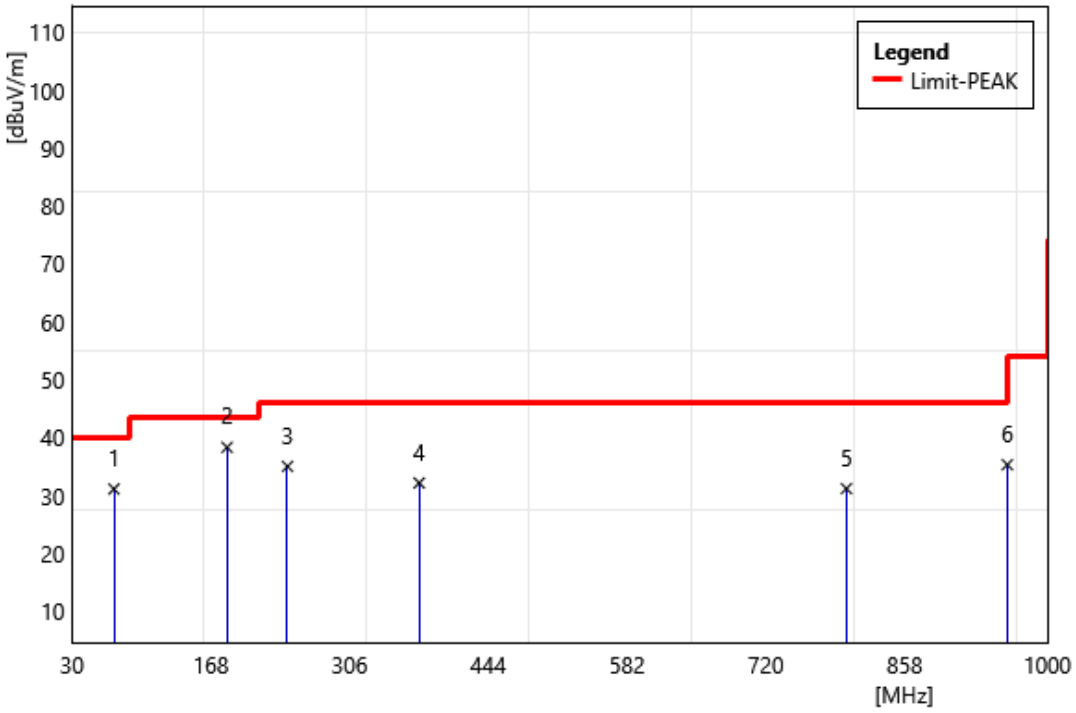
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	75.59	46.27	-15.44	30.83	40	-9.17	PEAK
2	183.26	49.9	-13.74	36.16	43.5	-7.34	PEAK
3	261.83	45.29	-12.85	32.44	46	-13.56	PEAK
4	376.29	39.8	-9.39	30.41	46	-15.59	PEAK
5	800.18	33.79	-2.17	31.62	46	-14.38	PEAK
6	960.23	35.32	-0.31	35.01	54	-18.99	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1000F AC PSU (Delta_left+right)		



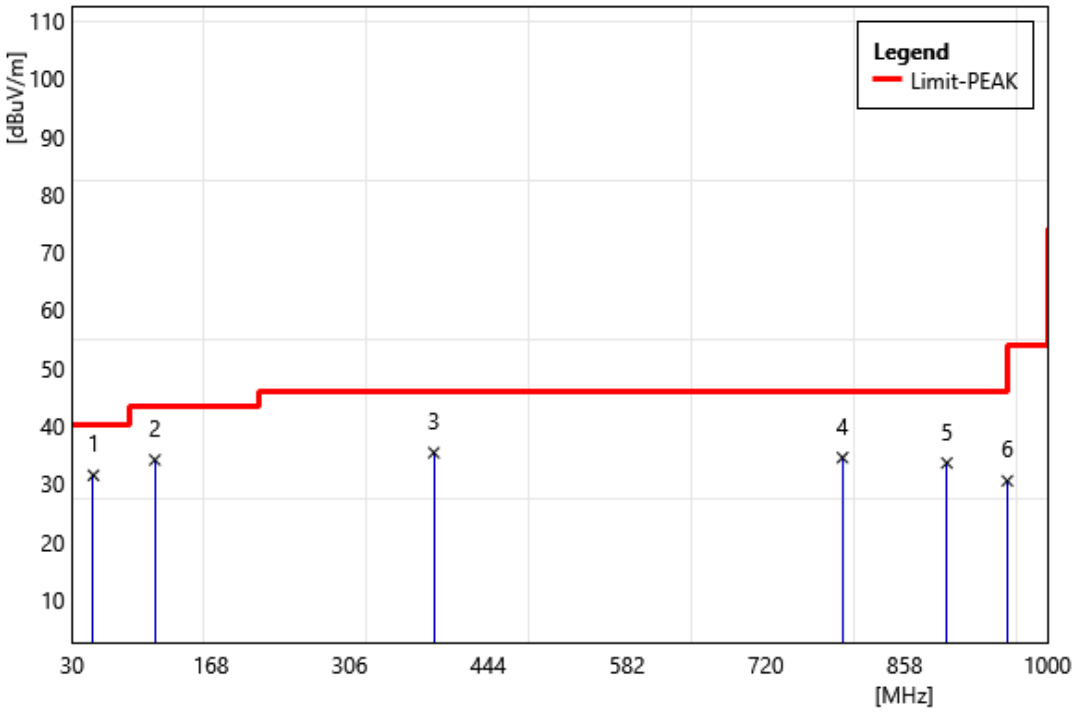
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	40.67	43.51	-12.51	31	40	-9	QP
2	184.23	47.88	-13.91	33.97	43.5	-9.53	PEAK
3	385.02	39.91	-9.14	30.77	46	-15.23	PEAK
4	800.18	32.1	-2.17	29.93	46	-16.07	PEAK
5	849.65	33.11	-1.59	31.52	46	-14.48	PEAK
6	996.12	30.24	-0.24	30	54	-24	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU (Delta_left)		



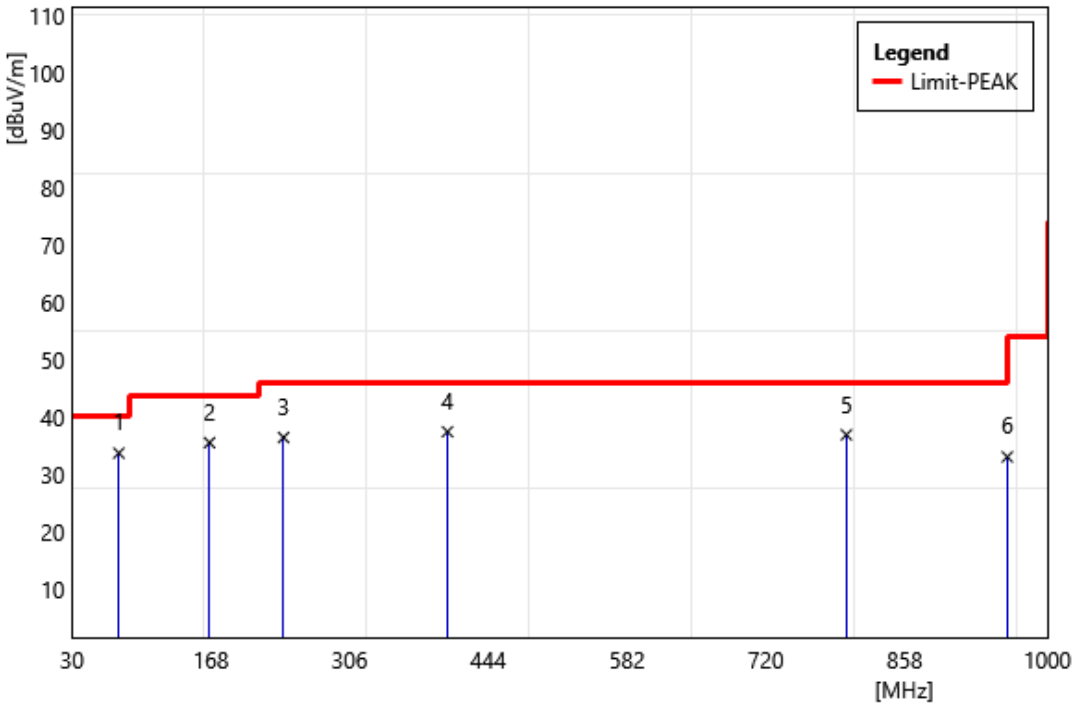
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	71.71	45.45	-14.35	31.1	40	-8.9	PEAK
2	184.23	52.13	-13.81	38.32	43.5	-5.18	PEAK
3	244.37	48.08	-13.07	35.01	46	-10.99	PEAK
4	375.32	41.39	-9.24	32.15	46	-13.85	PEAK
5	800.18	33.14	-1.97	31.17	46	-14.83	PEAK
6	960.23	35.6	-0.31	35.29	54	-18.71	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU (Delta_left)		



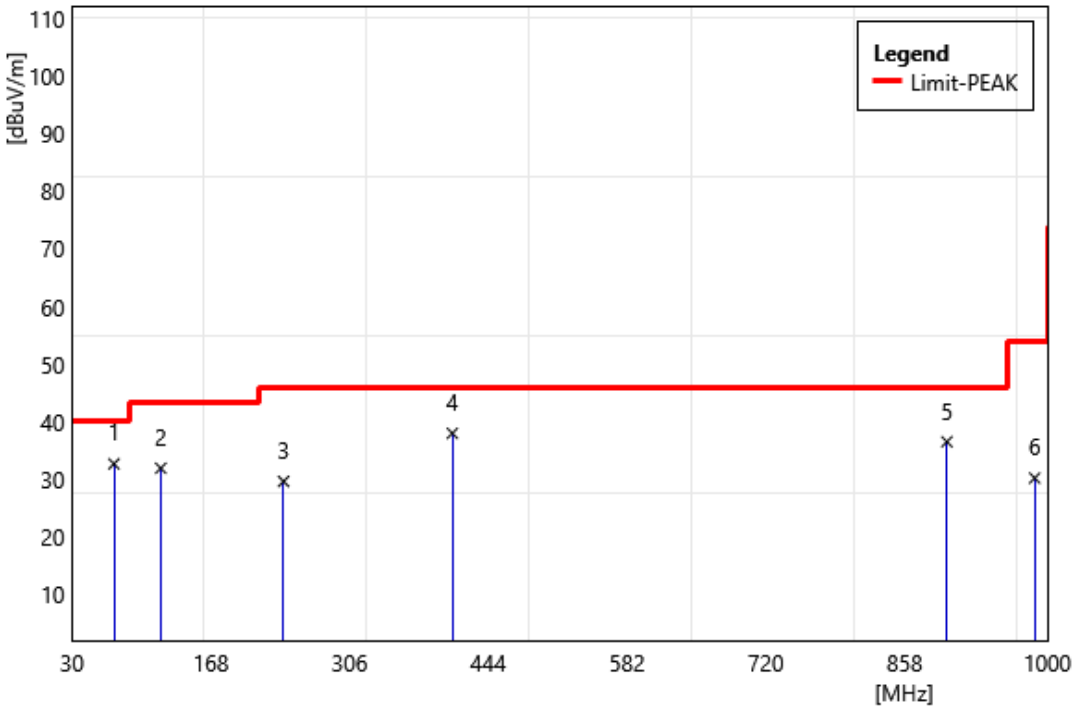
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	51.34	43.01	-11.56	31.45	40	-8.55	QP
2	112.45	48.82	-14.71	34.11	43.5	-9.39	PEAK
3	389.87	44.15	-8.8	35.35	46	-10.65	PEAK
4	796.3	36.4	-1.9	34.5	46	-11.5	PEAK
5	900.09	34.43	-0.86	33.57	46	-12.43	PEAK
6	960.23	30.8	-0.31	30.49	54	-23.51	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU (Delta_right)		



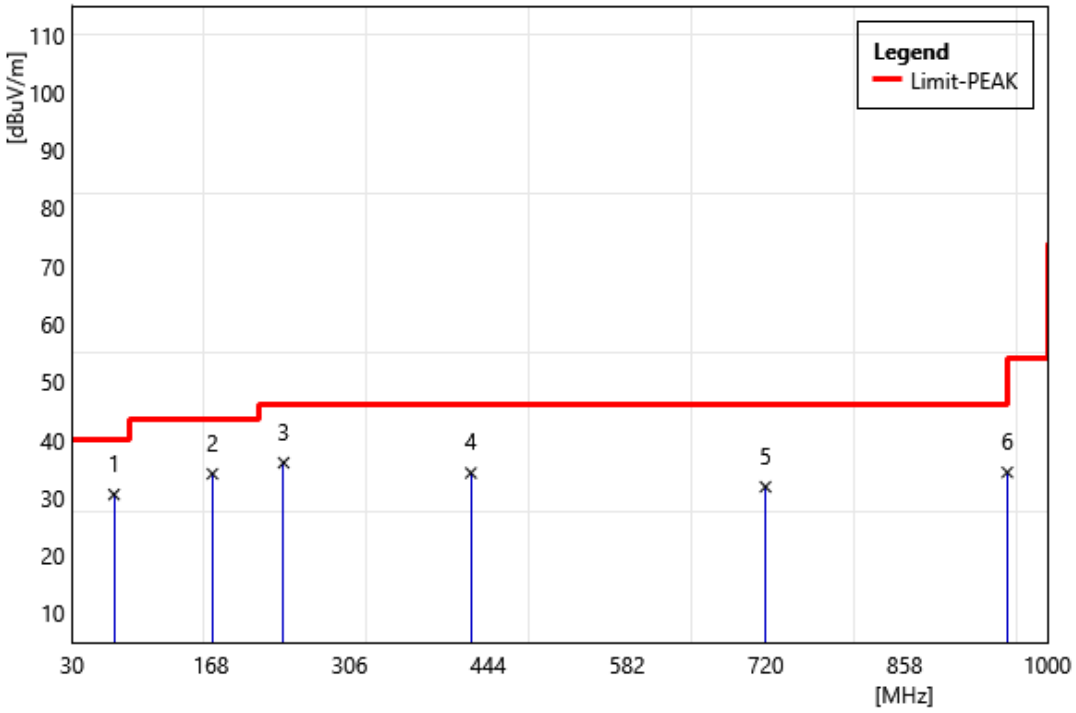
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	76.56	49.36	-15.74	33.62	40	-6.38	PEAK
2	166.77	47.49	-12.05	35.44	43.5	-8.06	PEAK
3	240.49	49.7	-13.35	36.35	46	-9.65	PEAK
4	403.45	46.15	-8.8	37.35	46	-8.65	PEAK
5	800.18	38.99	-2.17	36.82	46	-9.18	PEAK
6	960.23	33.28	-0.31	32.97	54	-21.03	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU (Delta_right)		



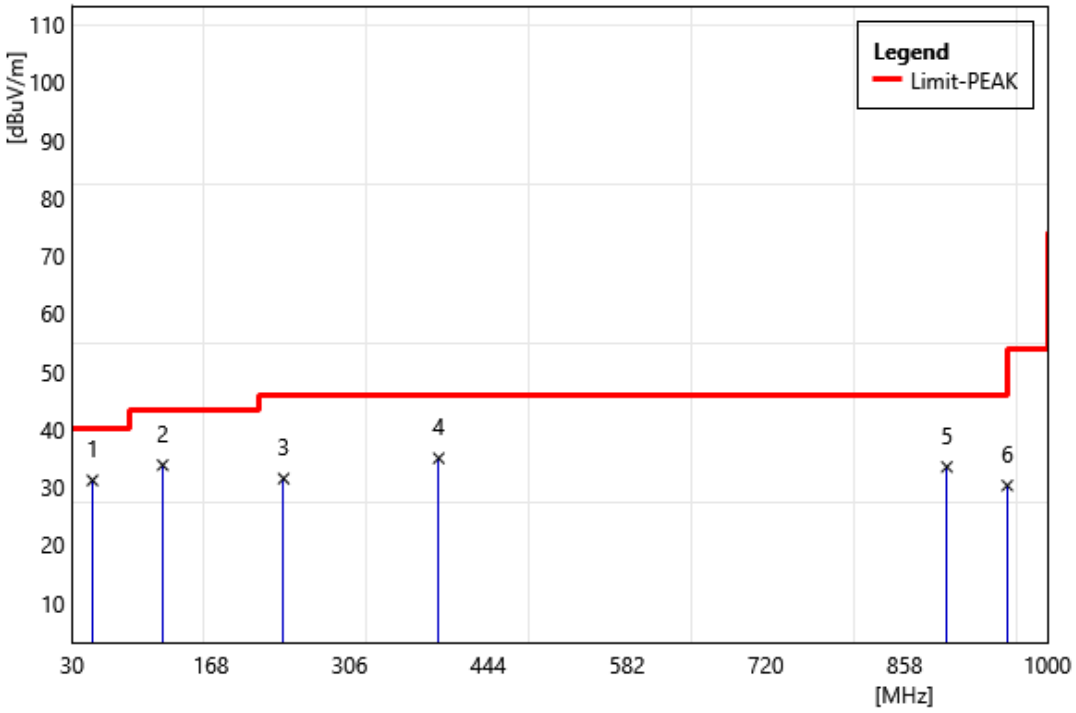
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	71.71	47.18	-14.48	32.7	40	-7.3	QP
2	118.27	46.37	-14.42	31.95	43.5	-11.55	PEAK
3	240.49	43.01	-13.35	29.66	46	-16.34	PEAK
4	408.3	46.69	-8.69	38	46	-8	PEAK
5	900.09	37.8	-1.26	36.54	46	-9.46	PEAK
6	987.39	30.55	-0.32	30.23	54	-23.77	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU (Delta_left+right)		



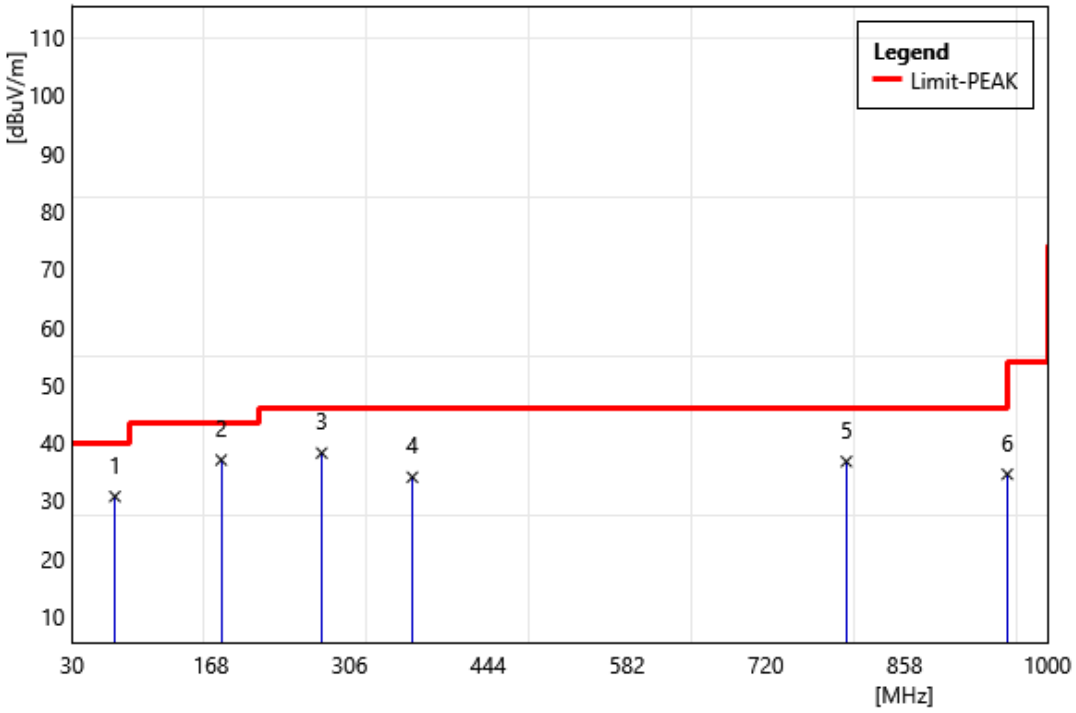
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	71.71	44.92	-14.35	30.57	40	-9.43	PEAK
2	169.68	46.34	-12.2	34.14	43.5	-9.36	PEAK
3	240.49	49.31	-13.25	36.06	46	-9.94	PEAK
4	426.73	42.21	-7.91	34.3	46	-11.7	PEAK
5	719.67	35.12	-3.22	31.9	46	-14.1	PEAK
6	960.23	34.71	-0.31	34.4	54	-19.6	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU (Delta_left+right)		



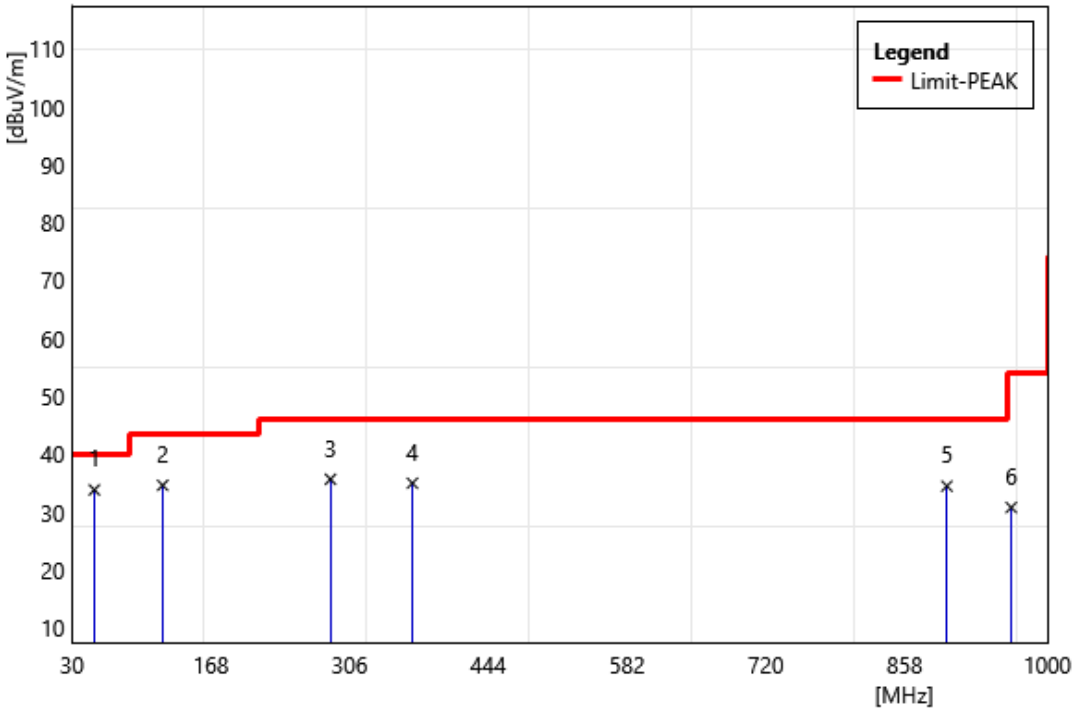
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	50.37	42.92	-11.72	31.2	40	-8.8	QP
2	120.21	48.1	-14.26	33.84	43.5	-9.66	PEAK
3	240.49	44.76	-13.25	31.51	46	-14.49	PEAK
4	394.72	43.71	-8.68	35.03	46	-10.97	PEAK
5	900.09	34.39	-0.86	33.53	46	-12.47	PEAK
6	960.23	30.62	-0.31	30.31	54	-23.69	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU Murata(Delta_left)		



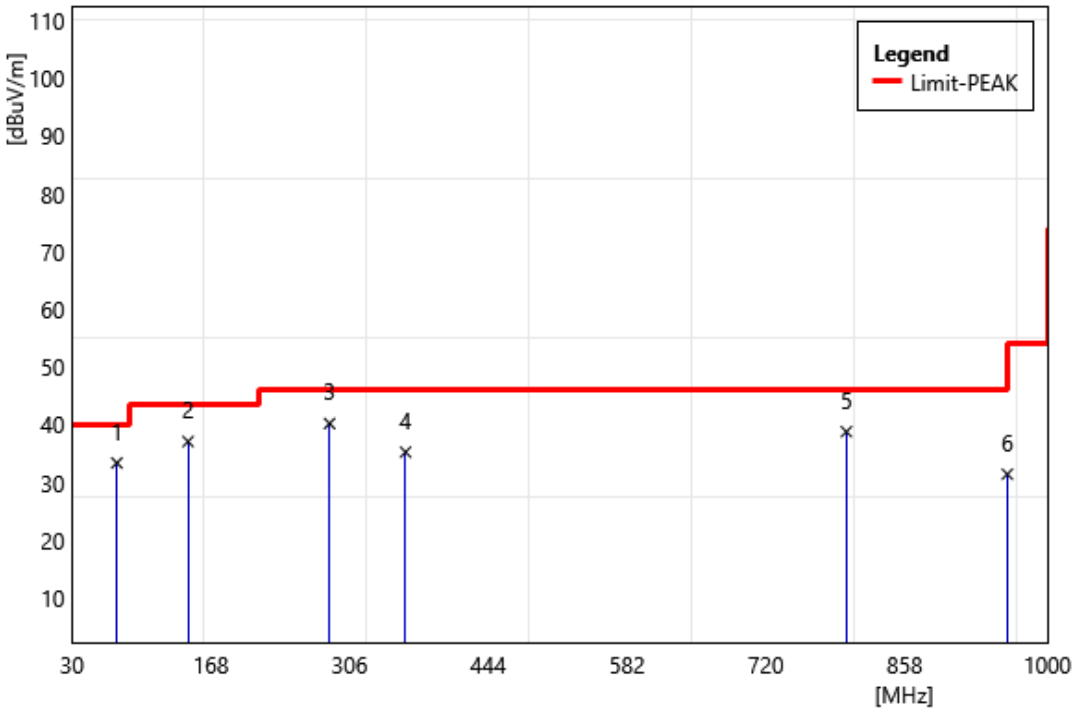
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	72.68	45.51	-14.81	30.7	40	-9.3	PEAK
2	178.41	50.27	-13.25	37.02	43.5	-6.48	PEAK
3	278.32	50.2	-11.99	38.21	46	-7.79	PEAK
4	368.53	43.77	-9.73	34.04	46	-11.96	PEAK
5	800.18	38.93	-2.17	36.76	46	-9.24	PEAK
6	960.23	34.87	-0.31	34.56	54	-19.44	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU Murata(Delta_left)		



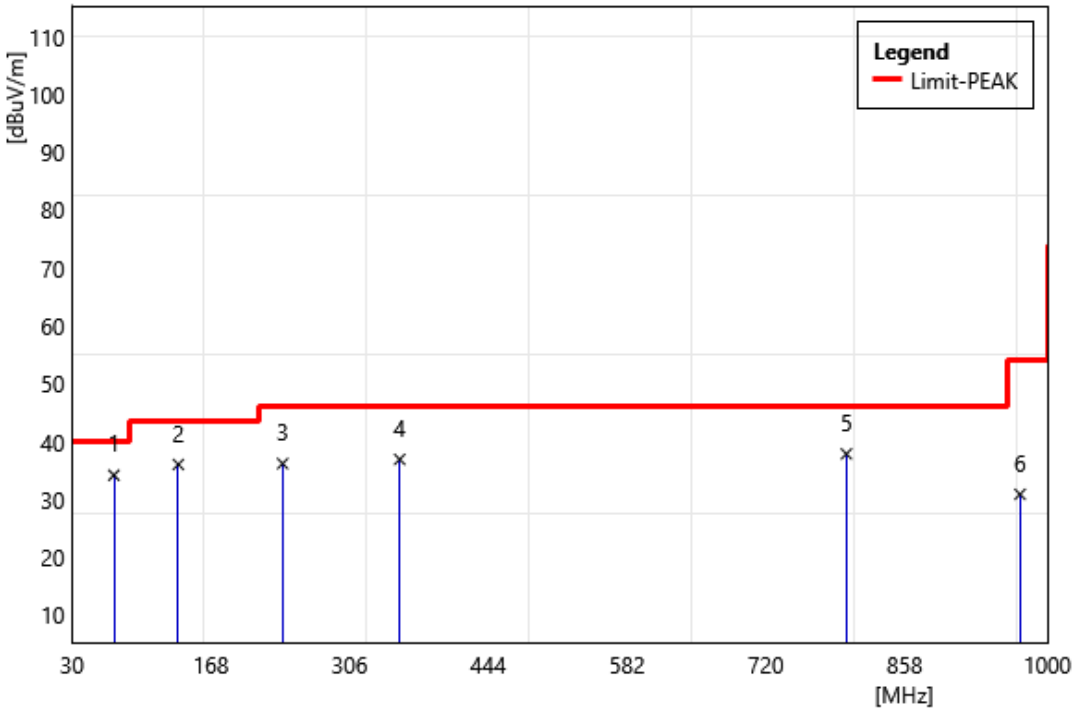
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	52.31	45.68	-11.85	33.83	40	-6.17	QP
2	120.21	48.88	-14.26	34.62	43.5	-8.88	PEAK
3	287.05	47.36	-11.69	35.67	46	-10.33	PEAK
4	368.53	44.72	-9.73	34.99	46	-11.01	PEAK
5	900.09	35.74	-1.26	34.48	46	-11.52	PEAK
6	964.11	31.14	-0.36	30.78	54	-23.22	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU Murata(Delta_right)		



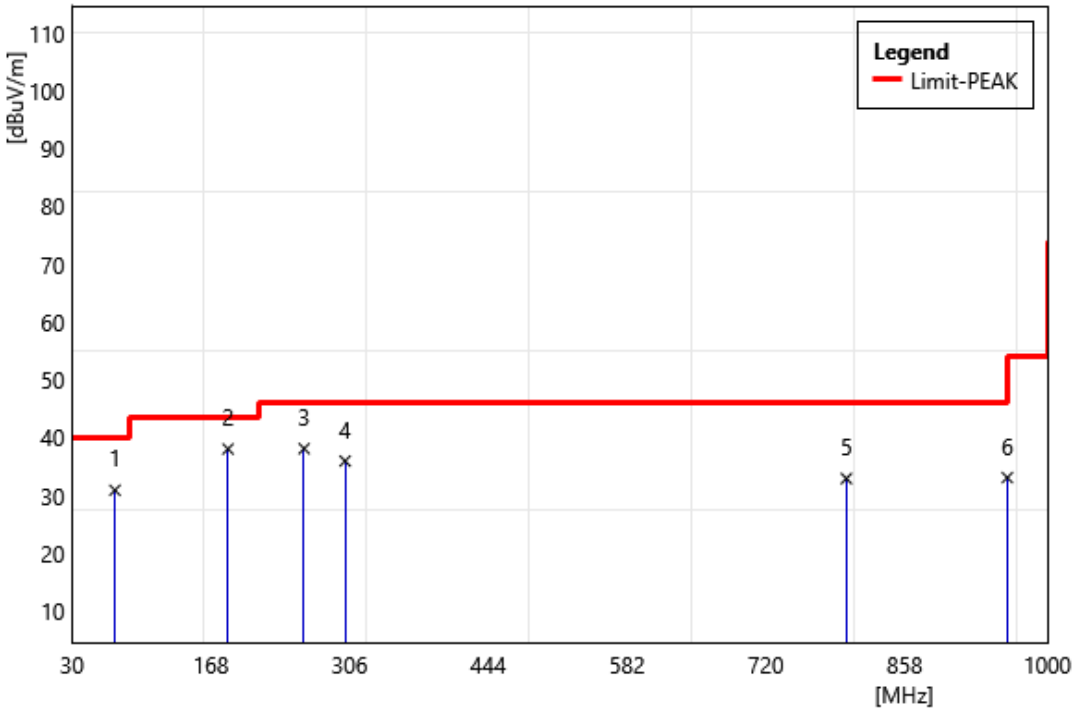
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	74.62	48.67	-15.29	33.38	40	-6.62	PEAK
2	145.43	49.21	-12.12	37.09	43.5	-6.41	PEAK
3	286.08	51.91	-11.7	40.21	46	-5.79	PEAK
4	361.74	45.34	-10.09	35.25	46	-10.75	PEAK
5	800.18	40.97	-2.17	38.8	46	-7.2	PEAK
6	960.23	31.75	-0.31	31.44	54	-22.56	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU Murata(Delta_right)		



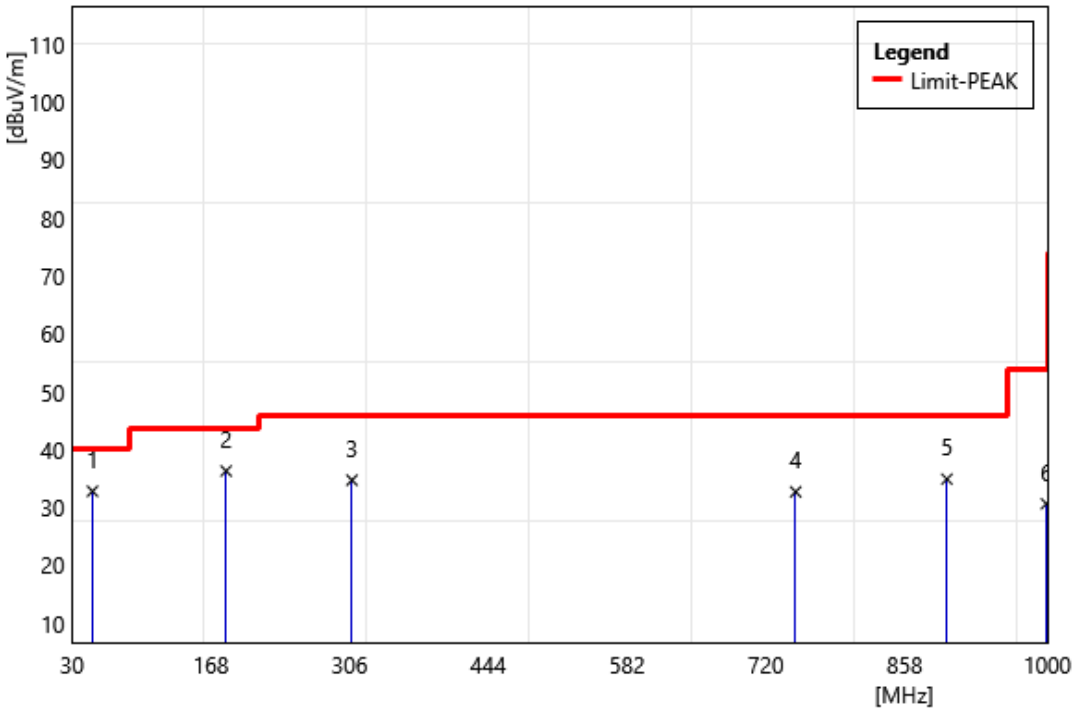
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	71.71	48.68	-14.48	34.2	40	-5.8	QP
2	135.73	48.97	-12.93	36.04	43.5	-7.46	PEAK
3	239.52	49.61	-13.41	36.2	46	-9.8	PEAK
4	355.92	47.2	-10.27	36.93	46	-9.07	PEAK
5	800.18	40.05	-2.17	37.88	46	-8.12	PEAK
6	972.84	31.29	-0.39	30.9	54	-23.1	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU Murata(Delta_left+right)		



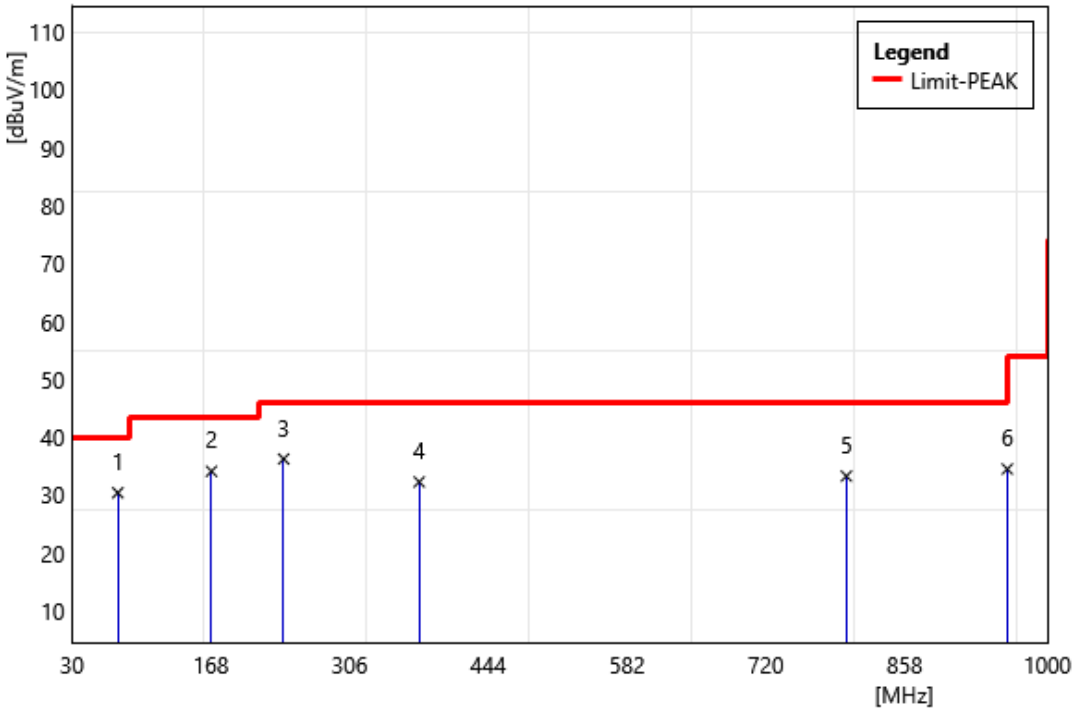
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	72.68	45.76	-14.81	30.95	40	-9.05	PEAK
2	185.2	52.11	-14.03	38.08	43.5	-5.42	QP
3	260.86	50.99	-12.86	38.13	46	-7.87	PEAK
4	301.6	47.36	-11.37	35.99	46	-10.01	PEAK
5	800.18	35.14	-2.17	32.97	46	-13.03	PEAK
6	960.23	33.45	-0.31	33.14	54	-20.86	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1001F-DC PSU Murata(Delta_left+right)		



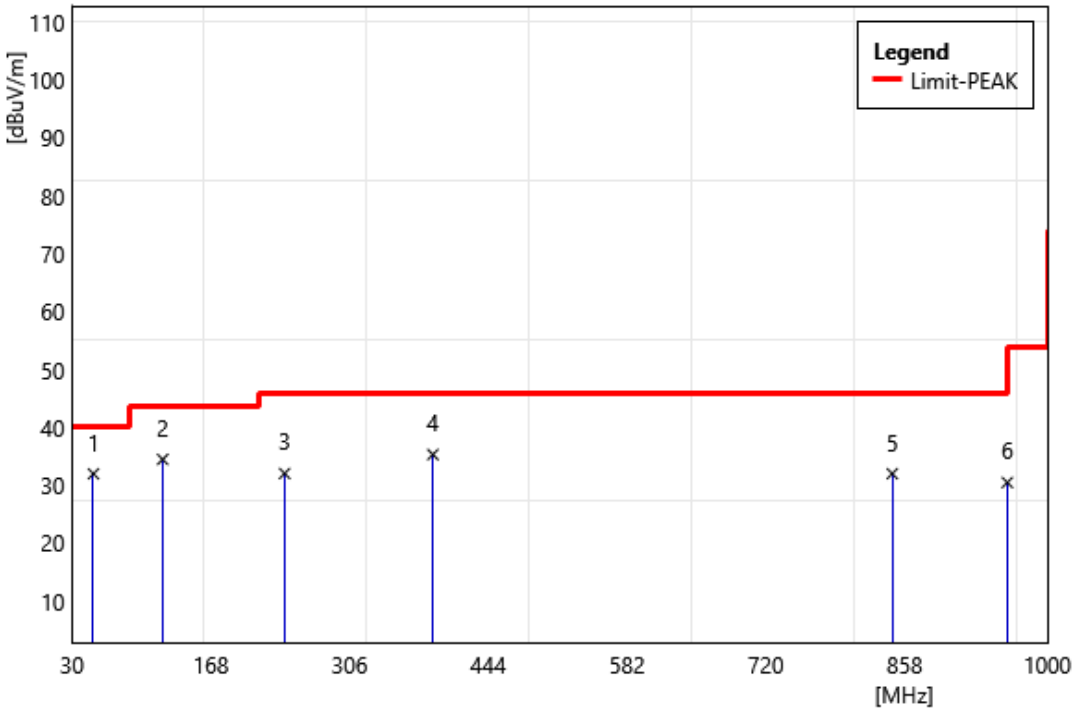
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	50.37	44.67	-11.86	32.81	40	-7.19	QP
2	183.26	50.06	-13.74	36.32	43.5	-7.18	PEAK
3	308.39	45.86	-11.13	34.73	46	-11.27	PEAK
4	749.74	35.28	-2.57	32.71	46	-13.29	PEAK
5	900.09	36.18	-1.26	34.92	46	-11.08	PEAK
6	999.03	30.93	-0.29	30.64	54	-23.36	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU (Delta_left)		



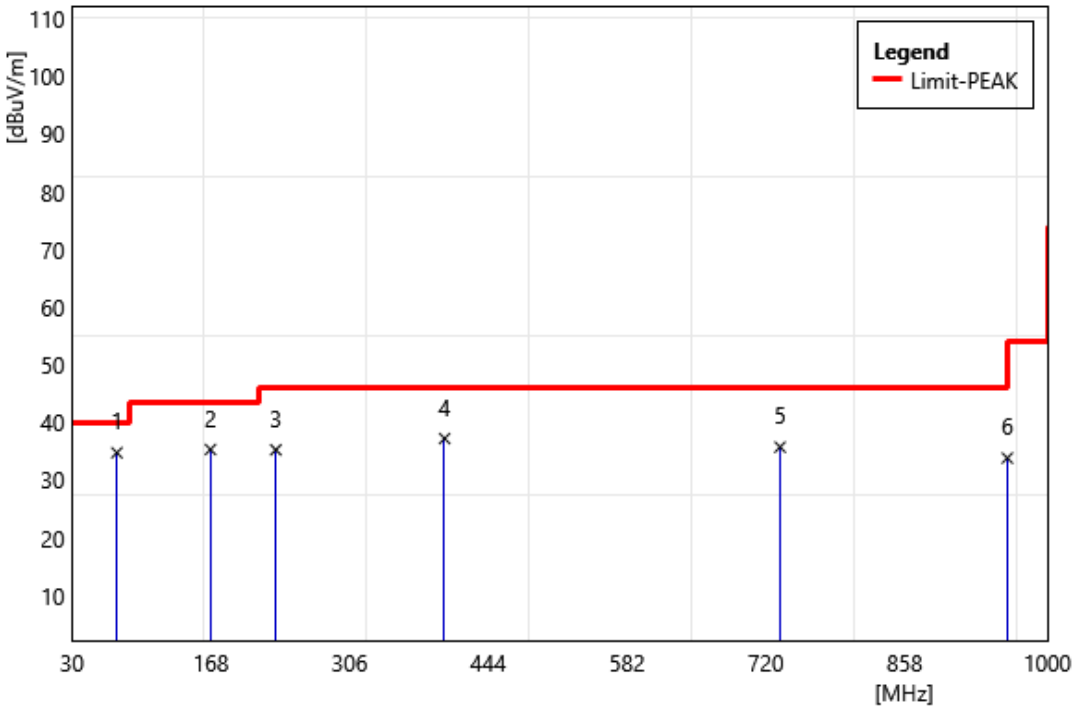
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	75.59	45.78	-15.4	30.38	40	-9.62	PEAK
2	168.71	46.16	-12.07	34.09	43.5	-9.41	PEAK
3	240.49	49.47	-13.25	36.22	46	-9.78	PEAK
4	375.32	41.49	-9.24	32.25	46	-13.75	PEAK
5	800.18	35.24	-1.97	33.27	46	-12.73	PEAK
6	960.23	34.79	-0.31	34.48	54	-19.52	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU (Delta_left)		



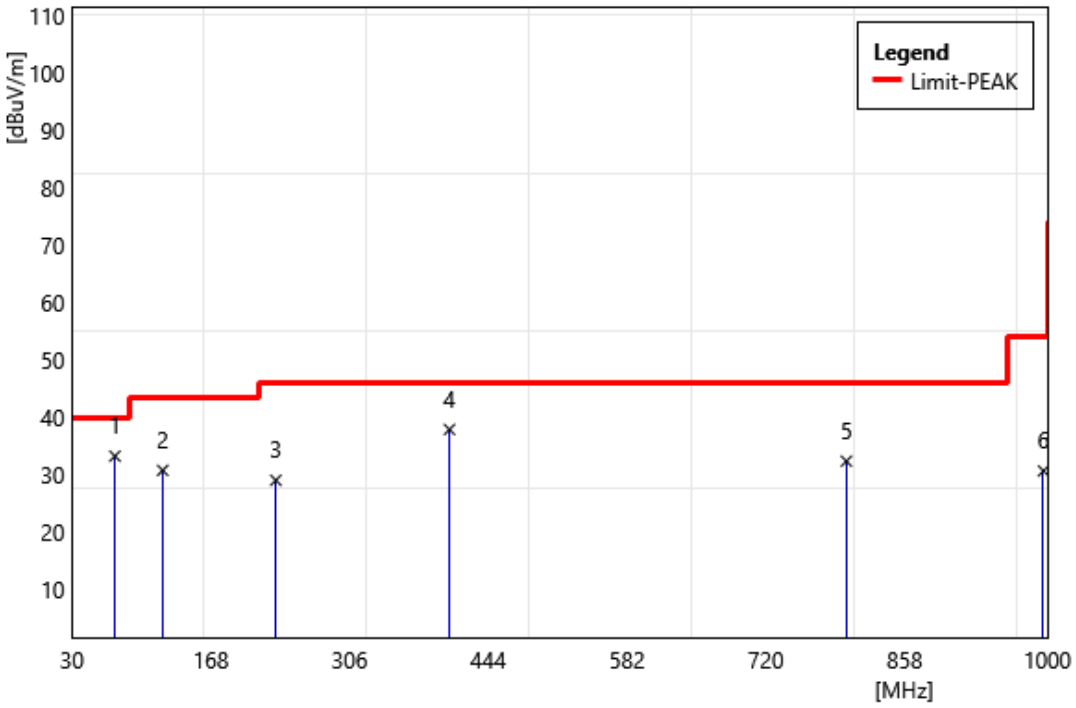
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	51.34	43.56	-11.56	32	40	-8	QP
2	120.21	48.75	-14.26	34.49	43.5	-9.01	PEAK
3	241.46	45.25	-13.2	32.05	46	-13.95	PEAK
4	388.9	44.16	-8.83	35.33	46	-10.67	PEAK
5	845.77	33.69	-1.67	32.02	46	-13.98	PEAK
6	960.23	30.8	-0.31	30.49	54	-23.51	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU (Delta_right)		



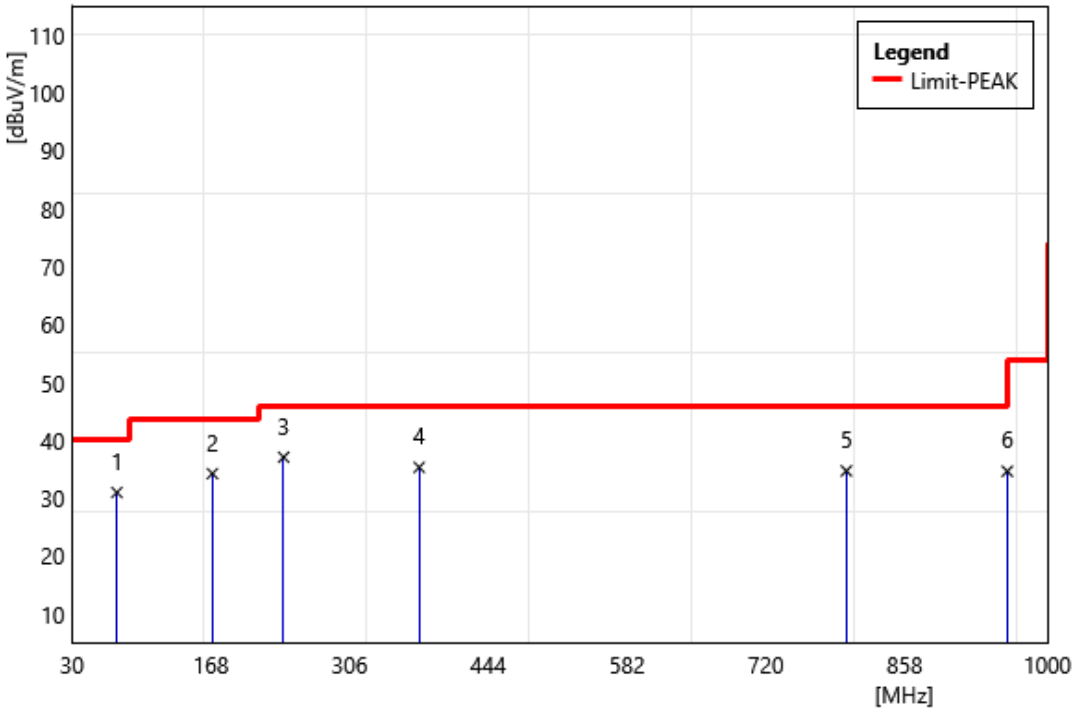
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	74.62	50.05	-15.29	34.76	40	-5.24	PEAK
2	167.74	47.47	-12.15	35.32	43.5	-8.18	PEAK
3	232.73	49.46	-14.2	35.26	46	-10.74	PEAK
4	400.54	46	-8.78	37.22	46	-8.78	PEAK
5	734.22	38.66	-2.92	35.74	46	-10.26	PEAK
6	960.23	34.15	-0.31	33.84	54	-20.16	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU (Delta_right) FG-1000F-DC PSU (Delta_left+right)		



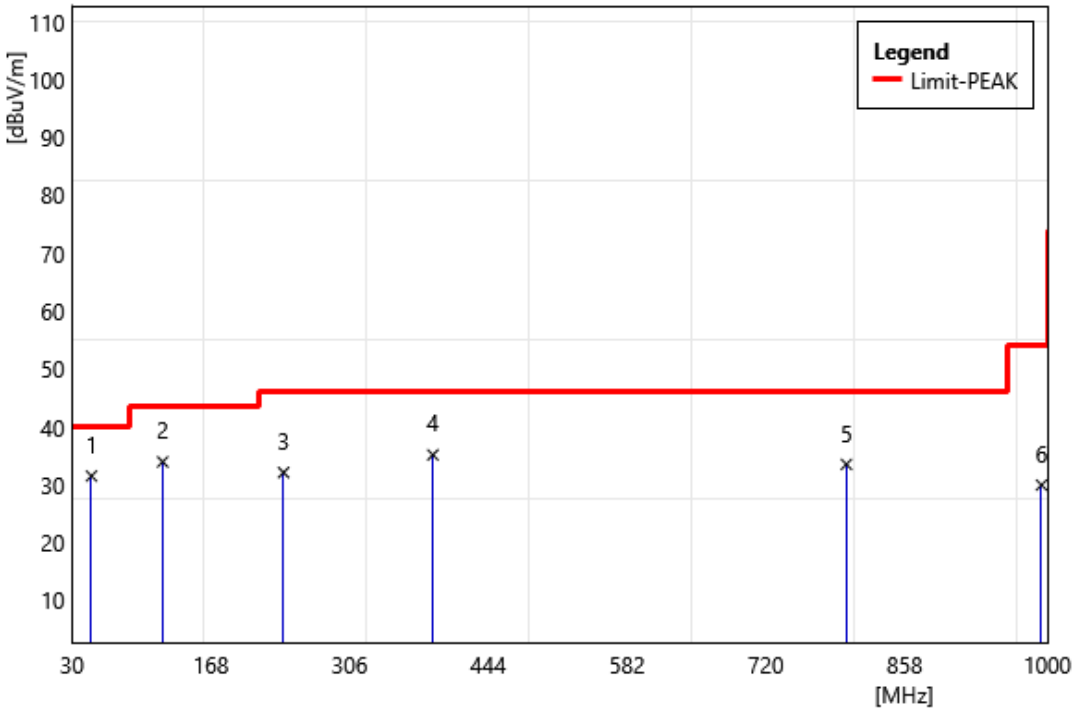
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	72.68	48.01	-14.81	33.2	40	-6.8	QP
2	120.21	44.99	-14.26	30.73	43.5	-12.77	PEAK
3	232.73	43.19	-14.2	28.99	46	-17.01	PEAK
4	405.39	46.66	-8.8	37.86	46	-8.14	PEAK
5	800.18	34.5	-2.17	32.33	46	-13.67	PEAK
6	996.12	30.86	-0.24	30.62	54	-23.38	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU (Delta_left+right)		



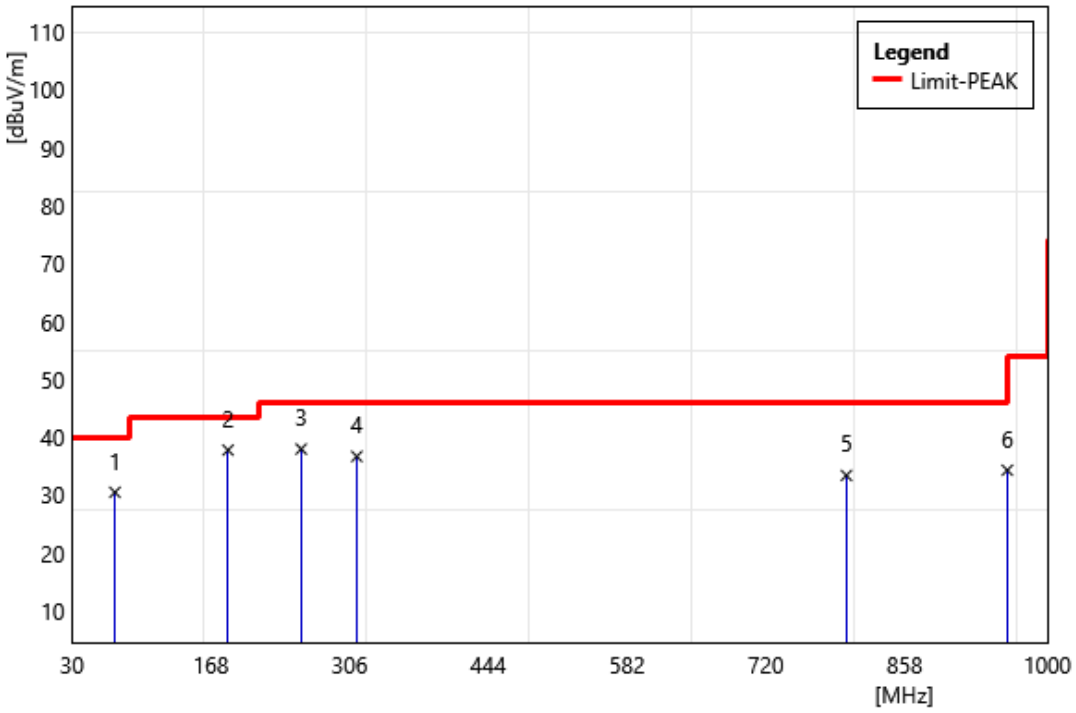
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	74.62	46.18	-15.19	30.99	40	-9.01	PEAK
2	169.68	46.45	-12.2	34.25	43.5	-9.25	PEAK
3	240.49	50.34	-13.25	37.09	46	-8.91	PEAK
4	375.32	44.56	-9.24	35.32	46	-10.68	PEAK
5	800.18	36.69	-1.97	34.72	46	-11.28	PEAK
6	960.23	34.97	-0.31	34.66	54	-19.34	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU (Delta_left+right)		



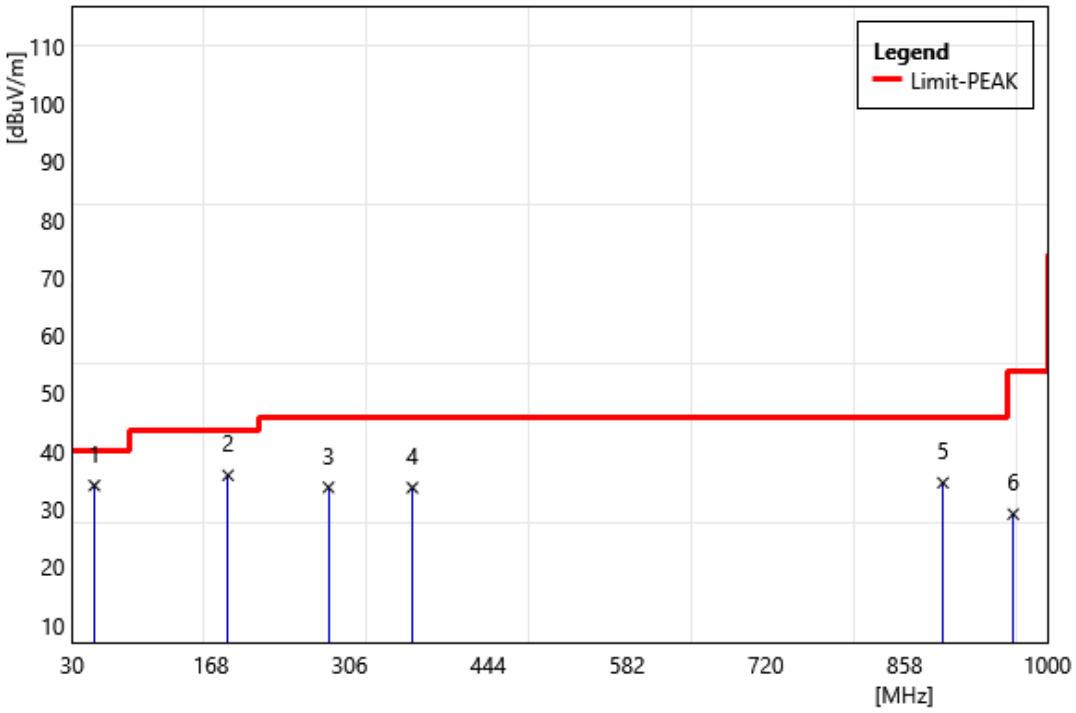
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	49.4	43.25	-11.75	31.5	40	-8.5	QP
2	120.21	48.2	-14.26	33.94	43.5	-9.56	PEAK
3	240.49	45.35	-13.25	32.1	46	-13.9	PEAK
4	388.9	43.97	-8.83	35.14	46	-10.86	PEAK
5	800.18	35.47	-1.97	33.5	46	-12.5	PEAK
6	994.18	29.75	0.18	29.93	54	-24.07	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU Murata(Delta_left)		



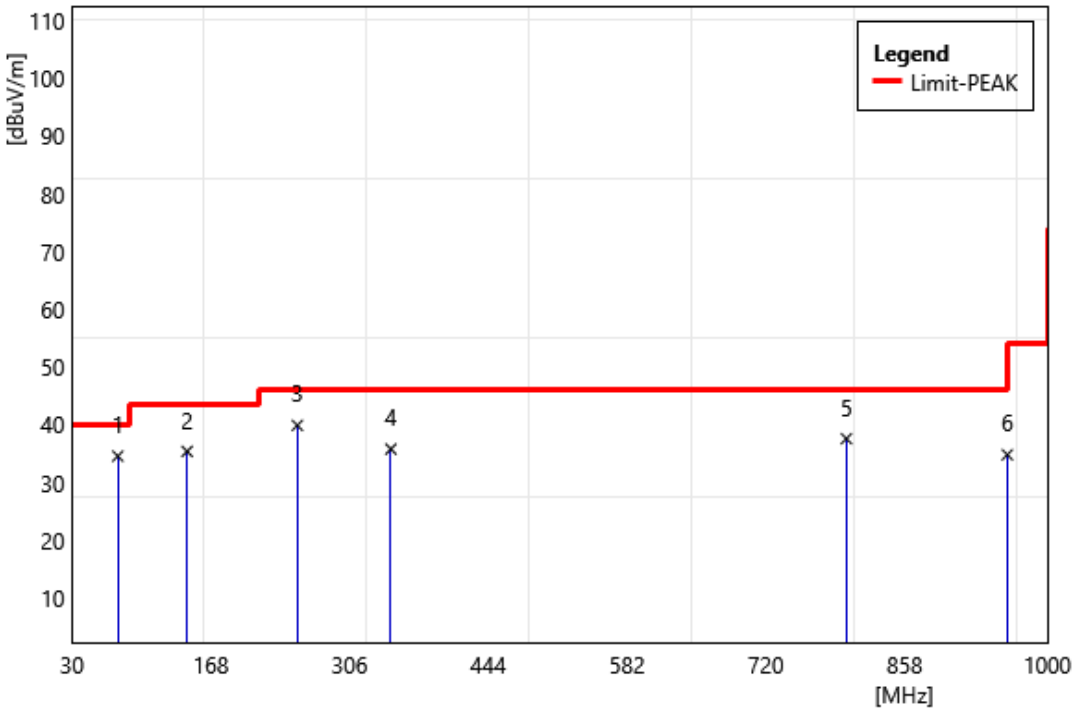
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	72.68	45.31	-14.81	30.5	40	-9.5	PEAK
2	185.2	51.82	-14.03	37.79	43.5	-5.71	QP
3	257.95	50.92	-12.94	37.98	46	-8.02	PEAK
4	313.24	47.63	-10.94	36.69	46	-9.31	PEAK
5	800.18	35.58	-2.17	33.41	46	-12.59	PEAK
6	960.23	34.63	-0.31	34.32	54	-19.68	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU Murata(Delta_left)		



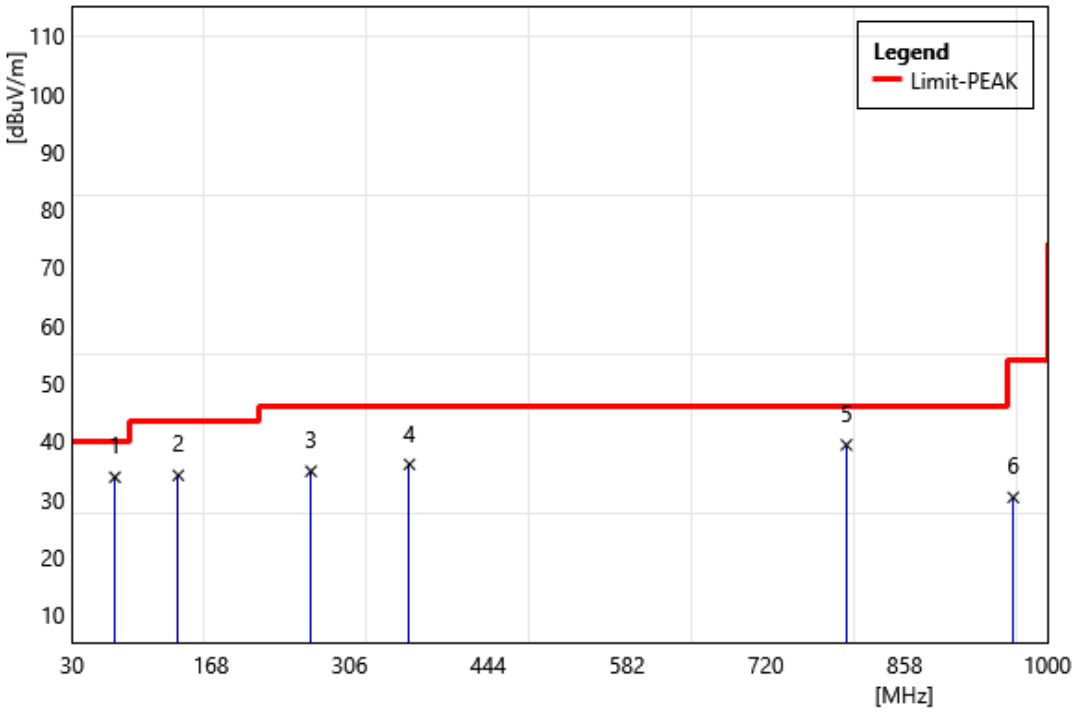
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	52.31	45.95	-11.85	34.1	40	-5.9	QP
2	185.2	49.89	-14.03	35.86	43.5	-7.64	PEAK
3	285.11	45.5	-11.72	33.78	46	-12.22	PEAK
4	368.53	43.45	-9.73	33.72	46	-12.28	PEAK
5	896.21	35.81	-1.24	34.57	46	-11.43	PEAK
6	966.05	29.51	-0.36	29.15	54	-24.85	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU Murata(Delta_right)		



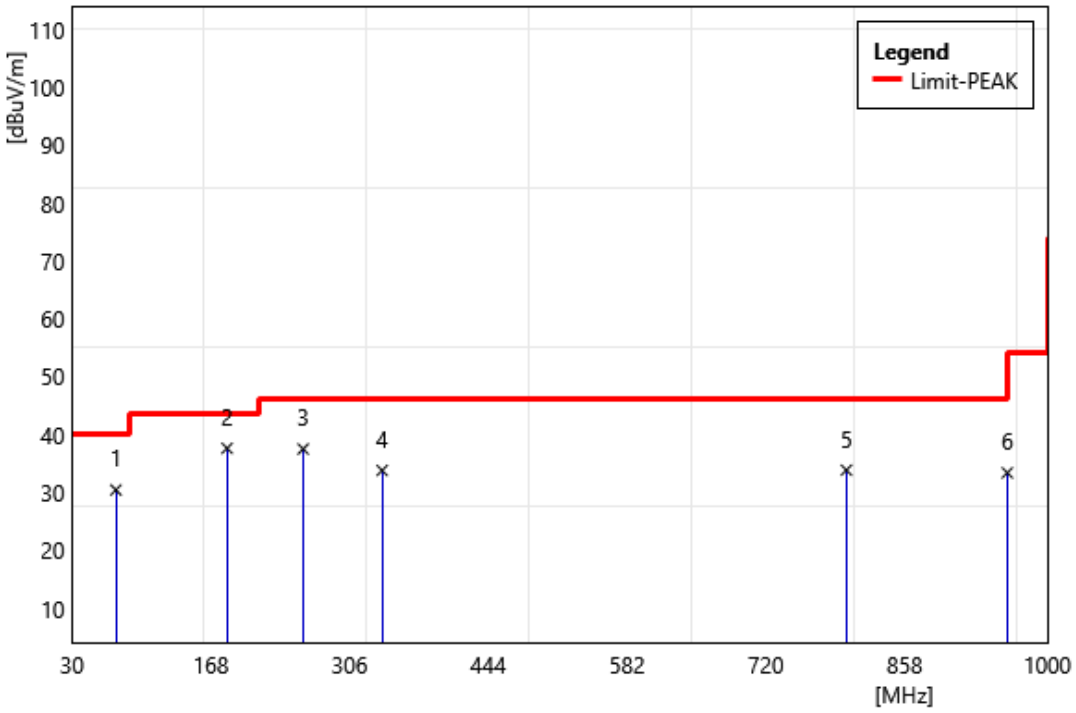
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	75.59	49.98	-15.44	34.54	40	-5.46	PEAK
2	144.46	47.5	-12.13	35.37	43.5	-8.13	PEAK
3	254.07	52.92	-13.04	39.88	46	-6.12	PEAK
4	347.19	46.15	-10.38	35.77	46	-10.23	PEAK
5	800.18	39.74	-2.17	37.57	46	-8.43	PEAK
6	960.23	35.09	-0.31	34.78	54	-19.22	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU Murata(Delta_right)		



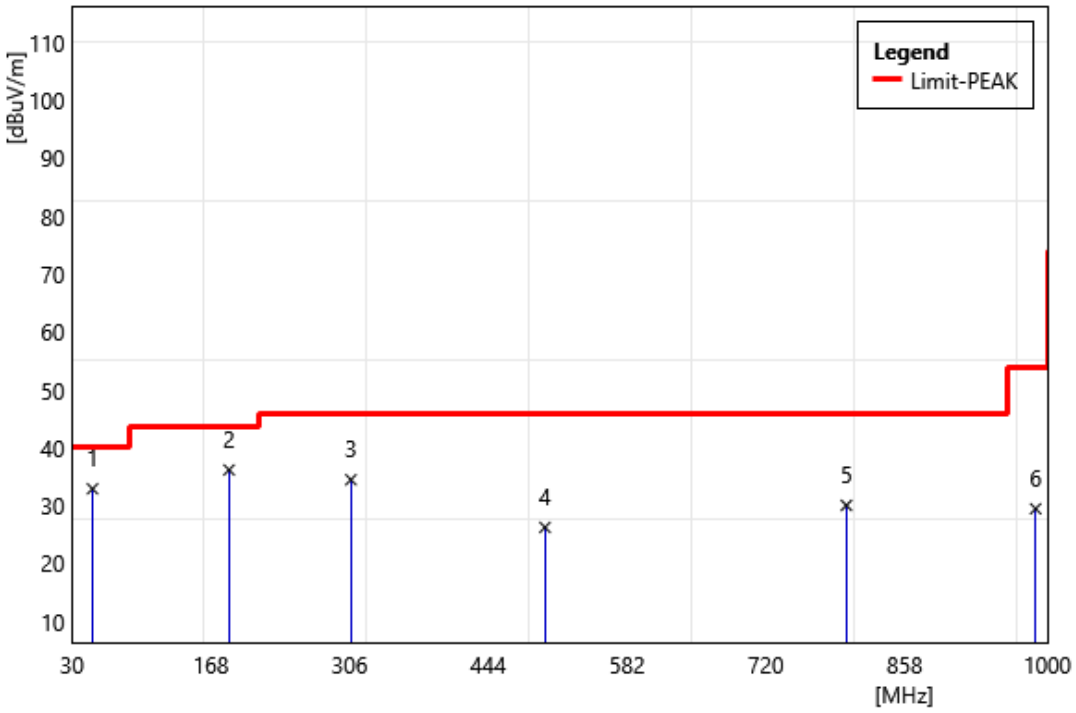
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	72.68	48.61	-14.81	33.8	40	-6.2	QP
2	135.73	47.04	-12.93	34.11	43.5	-9.39	PEAK
3	267.65	47.44	-12.62	34.82	46	-11.18	PEAK
4	365.62	45.88	-9.87	36.01	46	-9.99	PEAK
5	800.18	41.54	-2.17	39.37	46	-6.63	PEAK
6	966.05	30.66	-0.36	30.3	54	-23.7	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU Murata(Delta_left+right)		



No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	73.65	45.57	-15.13	30.44	40	-9.56	PEAK
2	184.23	51.55	-13.91	37.64	43.5	-5.86	QP
3	259.89	50.4	-12.88	37.52	46	-8.48	PEAK
4	338.46	44.22	-10.41	33.81	46	-12.19	PEAK
5	800.18	36.04	-2.17	33.87	46	-12.13	PEAK
6	960.23	33.71	-0.31	33.4	54	-20.6	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	Transmit Mode		
Remark:	FG-1000F-DC PSU Murata(Delta_left+right)		

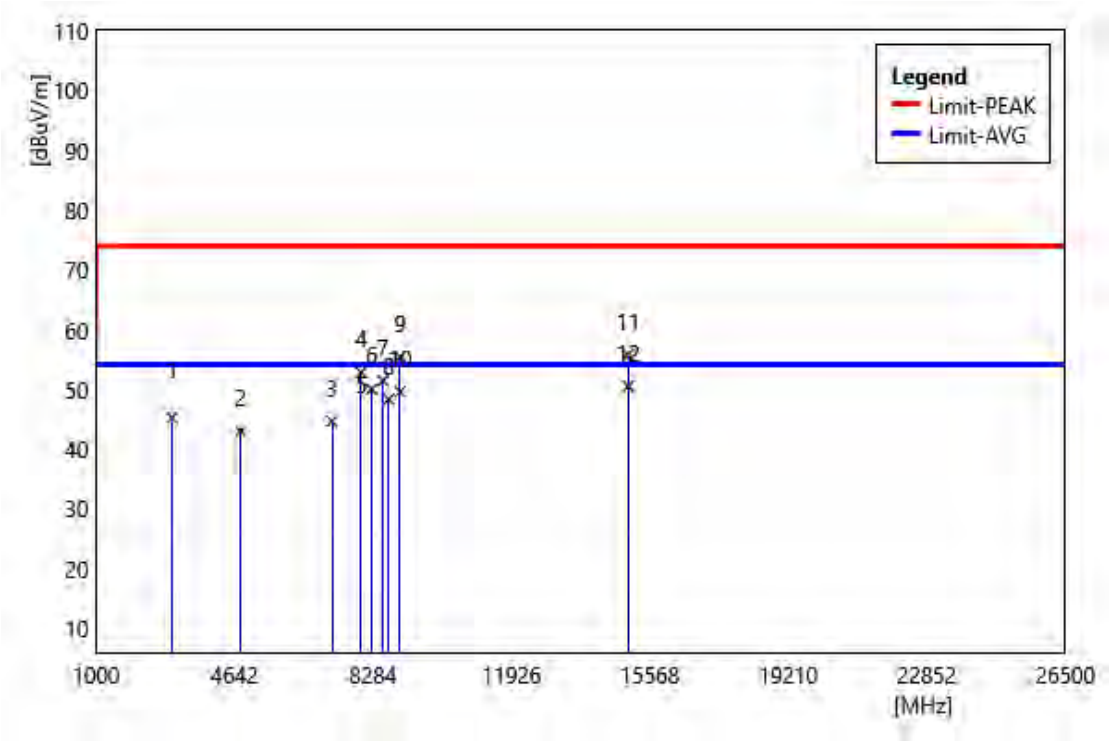


No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	50.37	44.76	-11.86	32.9	40	-7.1	QP
2	186.17	50.37	-14.21	36.16	43.5	-7.34	PEAK
3	307.42	45.63	-11.17	34.46	46	-11.54	PEAK
4	500.45	33.31	-7.08	26.23	46	-19.77	PEAK
5	800.18	32.2	-2.17	30.03	46	-15.97	PEAK
6	988.36	29.76	-0.32	29.44	54	-24.56	PEAK

Harmonic

Above 1 GHz

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLE 2M 2402 MHz		
Remark:			



Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLE 2M 2402 MHz		
Remark:			

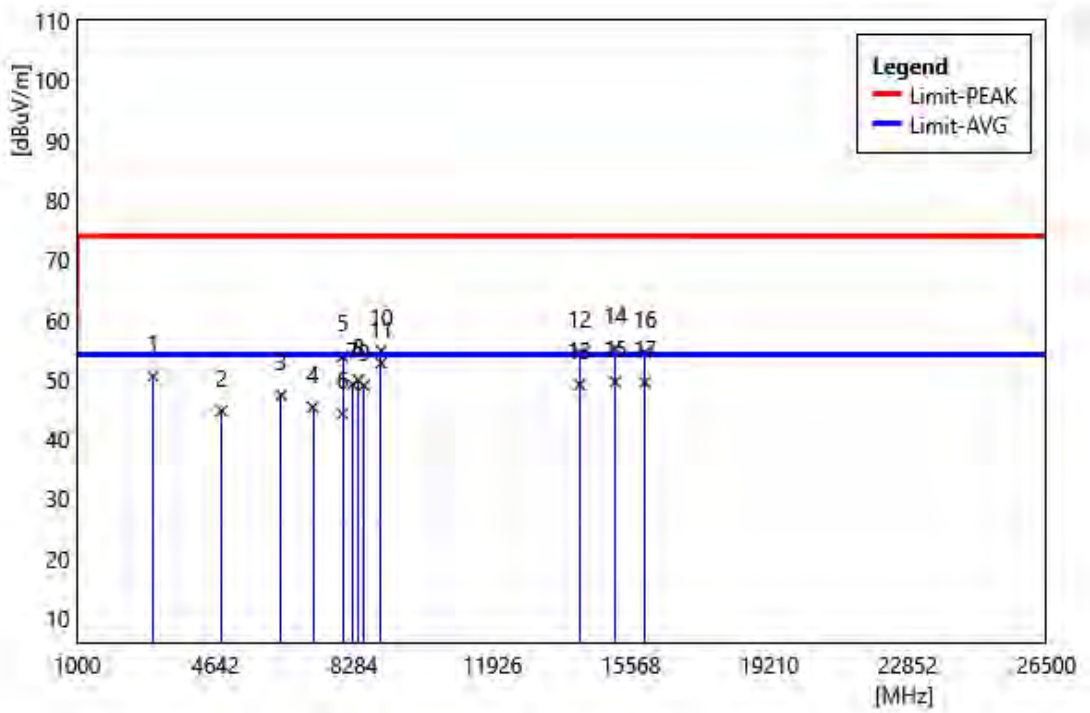
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	62.17	-14.59	47.58	74	-26.42	PEAK
2	4804	51.67	-8.67	43	74	-31	PEAK
3	7206	48.48	-3.81	44.67	74	-29.33	PEAK
4	7979	55.34	-2.48	52.86	74	-21.14	PEAK
5	7979	47.77	-2.48	45.29	54	-8.71	AVG
6	8250	52.22	-2.2	50.02	74	-23.98	PEAK
7	8550	53.62	-2.14	51.48	74	-22.52	PEAK
8	8700	50.73	-2.37	48.36	74	-25.64	PEAK
9	9000	57.57	-2.12	55.45	74	-18.55	PEAK
10	9000	51.71	-2.12	49.59	54	-4.41	AVG
11	15000	51.41	4.38	55.79	74	-18.21	PEAK
12	15000	46.13	4.38	50.51	54	-3.49	AVG

Note:1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

3. In this report, this digital device emissions of 8550 MHz/ 9000 MHz/ 14220 MHz / 15000 MHz are unintentional signals, it complies with part 15 Subpart B class A limit.

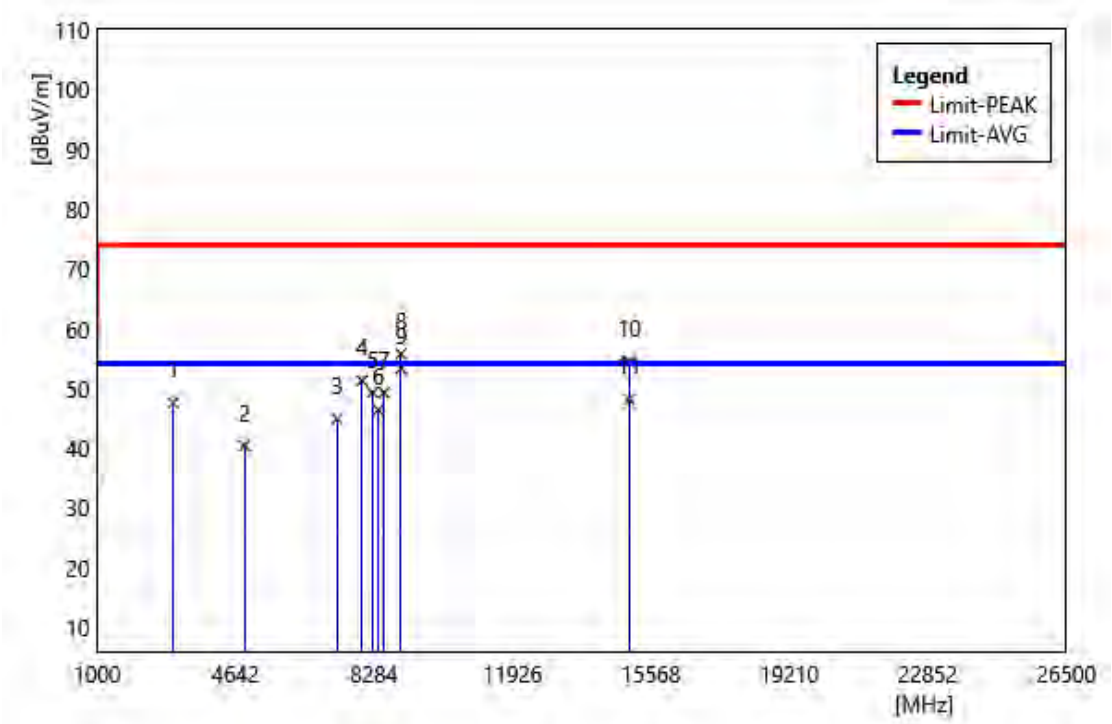
Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLE 2M 2402 MHz		
Remark:			



Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLE 2M 2402 MHz		
Remark:			

No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	65.15	-14.59	50.56	74	-23.44	PEAK
2	4804	53.38	-8.67	44.71	74	-29.29	PEAK
3	6376	52.02	-4.66	47.36	74	-26.64	PEAK
4	7206	49.14	-3.81	45.33	74	-28.67	PEAK
5	7986	56.39	-2.59	53.8	74	-20.2	PEAK
6	7986	46.82	-2.59	44.23	54	-9.77	AVG
7	8250	51.32	-2.2	49.12	74	-24.88	PEAK
8	8400	51.88	-2.01	49.87	74	-24.13	PEAK
9	8550	51.1	-2.14	48.96	74	-25.04	PEAK
10	9000	56.9	-2.12	54.78	74	-19.22	PEAK
11	9000	54.83	-2.12	52.71	54	-1.29	AVG
12	14220	50.78	3.66	54.44	74	-19.56	PEAK
13	14220	45.45	3.66	49.11	54	-4.89	AVG
14	15160	50.87	4.32	55.19	74	-18.81	PEAK
15	15160	45.28	4.32	49.6	54	-4.4	AVG
16	15940	50.08	4.4	54.48	74	-19.52	PEAK
17	15940	45.1	4.4	49.5	54	-4.5	AVG

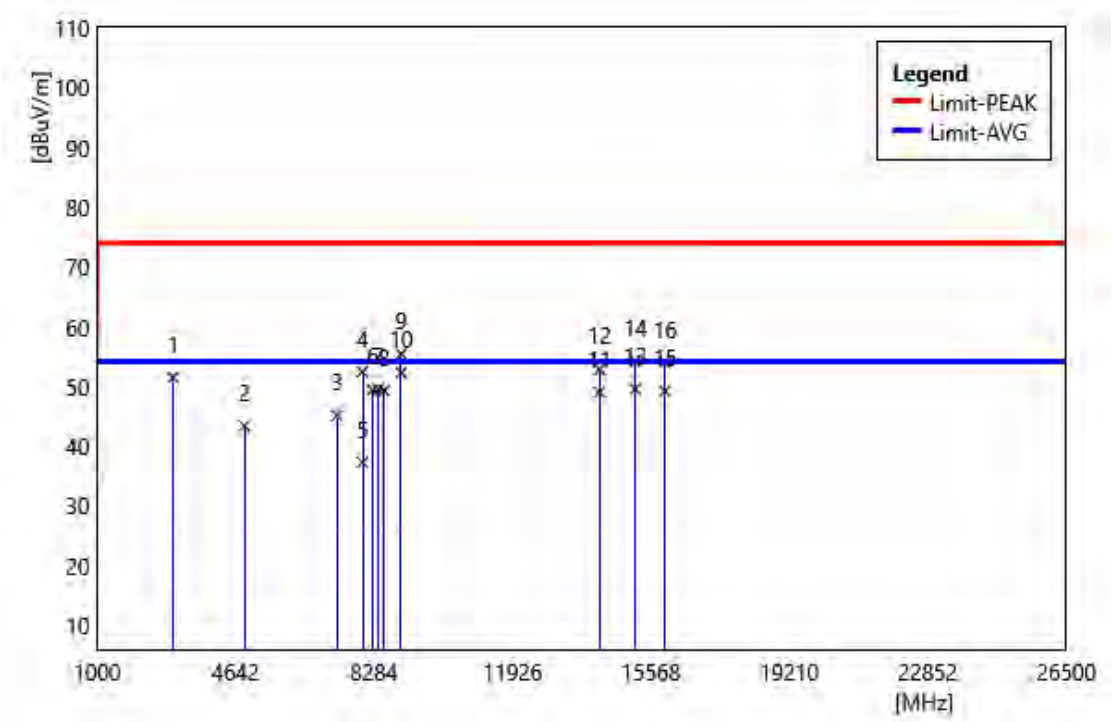
Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLE 2M 2440 MHz		
Remark:			



Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLE 2M 2440 MHz		
Remark:			

No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	62.15	-14.59	47.56	74	-26.44	PEAK
2	4880	48.84	-8.43	40.41	74	-33.59	PEAK
3	7320	48.83	-3.92	44.91	74	-29.09	PEAK
4	7972	53.76	-2.47	51.29	74	-22.71	PEAK
5	8250	51.52	-2.2	49.32	74	-24.68	PEAK
6	8400	48.38	-2.01	46.37	74	-27.63	PEAK
7	8550	51.45	-2.14	49.31	74	-24.69	PEAK
8	9000	57.89	-2.12	55.77	74	-18.23	PEAK
9	9000	55.45	-2.12	53.33	54	-0.67	AVG
10	15000	50.16	4.38	54.54	74	-19.46	PEAK
11	15000	43.82	4.38	48.2	54	-5.8	AVG

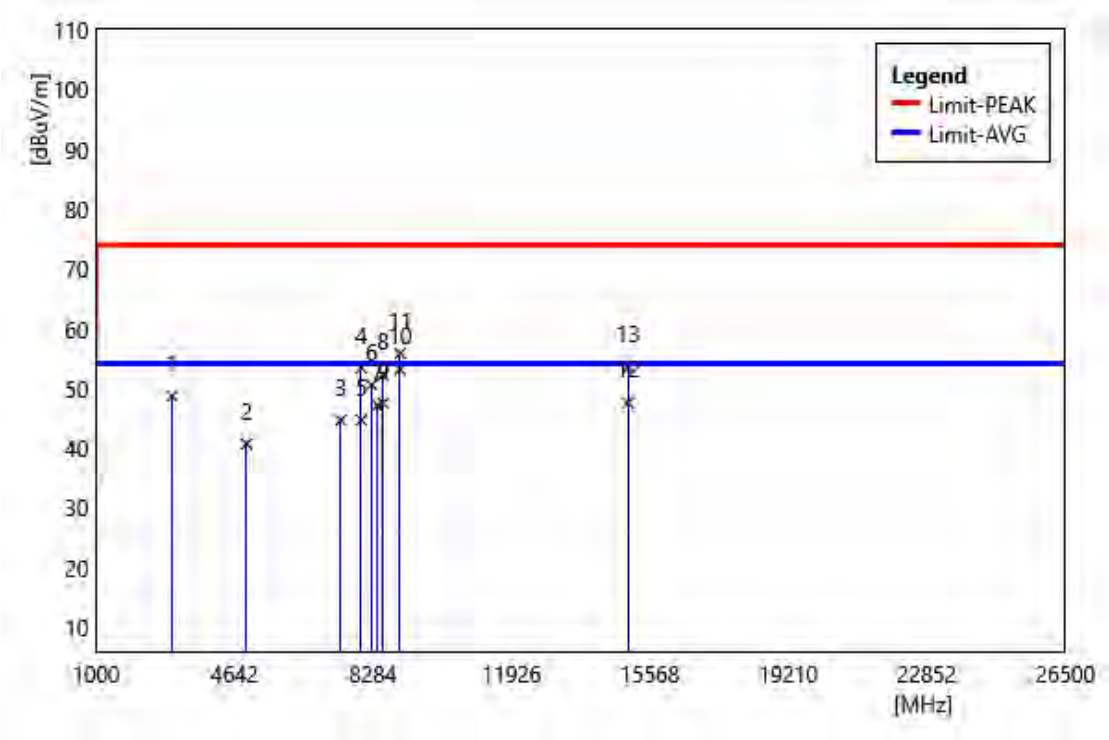
Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLE 2M 2440 MHz		
Remark:			



Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLE 2M 2440 MHz		
Remark:			

No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	66.11	-14.59	51.52	74	-22.48	PEAK
2	4880	51.83	-8.43	43.4	74	-30.6	PEAK
3	7320	49.01	-3.92	45.09	74	-28.91	PEAK
4	7986	55.03	-2.59	52.44	74	-21.56	PEAK
5	7986	39.88	-2.59	37.29	54	-16.71	AVG
6	8250	51.61	-2.2	49.41	74	-24.59	PEAK
7	8400	51.49	-2.01	49.48	74	-24.52	PEAK
8	8550	51.46	-2.14	49.32	74	-24.68	PEAK
9	9000	57.53	-2.12	55.41	74	-18.59	PEAK
10	9000	54.39	-2.12	52.27	54	-1.73	AVG
11	14220	45.36	3.66	49.02	54	-4.98	AVG
12	14220	49.21	3.66	52.87	74	-21.13	PEAK
13	15160	45.24	4.32	49.56	54	-4.44	AVG
14	15160	49.91	4.32	54.23	74	-19.77	PEAK
15	15940	44.84	4.4	49.24	54	-4.76	AVG
16	15940	49.61	4.4	54.01	74	-19.99	PEAK

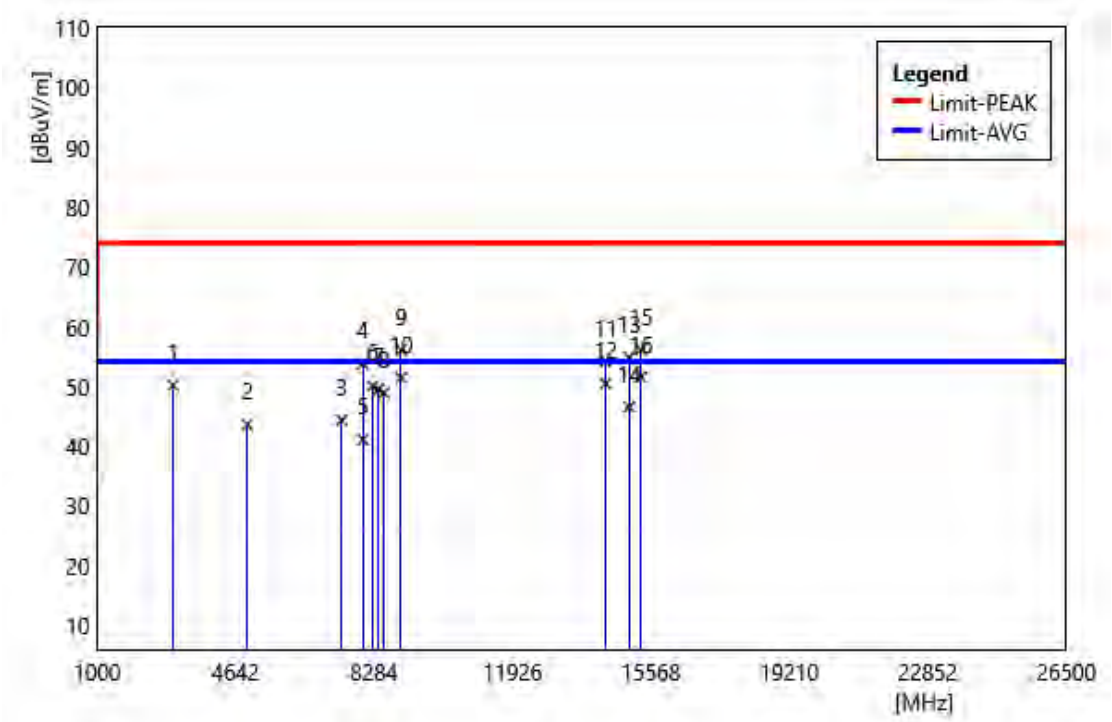
Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLE 2M 2480 MHz		
Remark:			



Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLE 2M 2480 MHz		
Remark:			

No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	63.32	-14.59	48.73	74	-25.27	PEAK
2	4960	49.13	-8.41	40.72	74	-33.28	PEAK
3	7440	48.47	-3.77	44.7	74	-29.3	PEAK
4	7979	55.88	-2.48	53.4	74	-20.6	PEAK
5	7979	47.18	-2.48	44.7	54	-9.3	AVG
6	8250	52.81	-2.2	50.61	74	-23.39	PEAK
7	8400	49.16	-2.01	47.15	74	-26.85	PEAK
8	8550	54.37	-2.14	52.23	74	-21.77	PEAK
9	8550	49.66	-2.14	47.52	54	-6.48	AVG
10	9000	55.33	-2.12	53.21	54	-0.79	AVG
11	9000	57.95	-2.12	55.83	74	-18.17	PEAK
12	15000	43.18	4.38	47.56	54	-6.44	AVG
13	15000	49.11	4.38	53.49	74	-20.51	PEAK

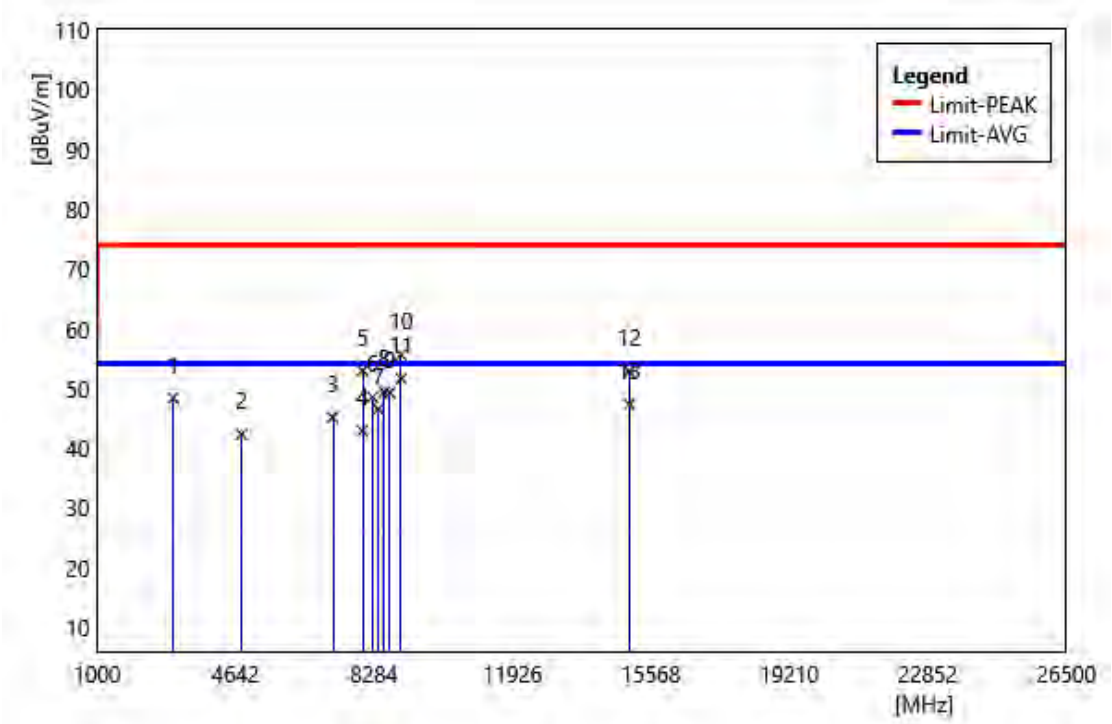
Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLE 2M 2480 MHz		
Remark:			



Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLE 2M 2480 MHz		
Remark:			

No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	64.79	-14.59	50.2	74	-23.8	PEAK
2	4960	52.04	-8.41	43.63	74	-30.37	PEAK
3	7440	48.11	-3.77	44.34	74	-29.66	PEAK
4	7993	56.43	-2.69	53.74	74	-20.26	PEAK
5	7993	43.8	-2.69	41.11	54	-12.89	AVG
6	8250	52.27	-2.2	50.07	74	-23.93	PEAK
7	8400	51.55	-2.01	49.54	74	-24.46	PEAK
8	8550	51.06	-2.14	48.92	74	-25.08	PEAK
9	9000	58.48	-2.41	56.07	74	-17.93	PEAK
10	9000	53.85	-2.41	51.44	54	-2.56	AVG
11	14380	51.1	3.06	54.16	74	-19.84	PEAK
12	14380	47.41	3.06	50.47	54	-3.53	AVG
13	15000	50.93	3.9	54.83	74	-19.17	PEAK
14	15000	42.65	3.9	46.55	54	-7.45	AVG
15	15310	52.11	4.01	56.12	74	-17.88	PEAK
16	15310	47.53	4.01	51.54	54	-2.46	AVG

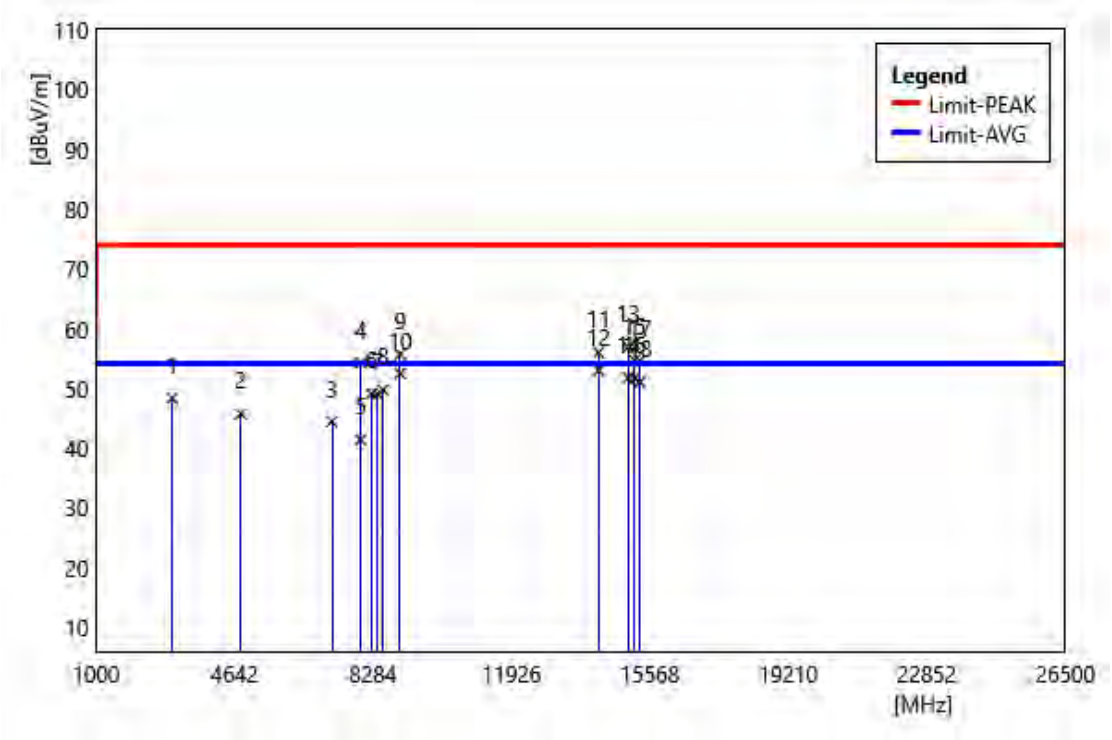
Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLR C8 2402 MHz		
Remark:			



Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLR C8 2402 MHz		
Remark:			

No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	63	-14.59	48.41	74	-25.59	PEAK
2	4804	50.99	-8.67	42.32	74	-31.68	PEAK
3	7206	48.98	-3.81	45.17	74	-28.83	PEAK
4	7986	45.48	-2.59	42.89	54	-11.11	AVG
5	7986	55.57	-2.59	52.98	74	-21.02	PEAK
6	8250	50.7	-2.2	48.5	74	-25.5	PEAK
7	8400	48.52	-2.01	46.51	74	-27.49	PEAK
8	8550	51.57	-2.14	49.43	74	-24.57	PEAK
9	8700	51.65	-2.37	49.28	74	-24.72	PEAK
10	9000	57.78	-2.12	55.66	74	-18.34	PEAK
11	9000	53.75	-2.12	51.63	54	-2.37	AVG
12	15000	48.46	4.38	52.84	74	-21.16	PEAK
13	15000	42.97	4.38	47.35	54	-6.65	AVG

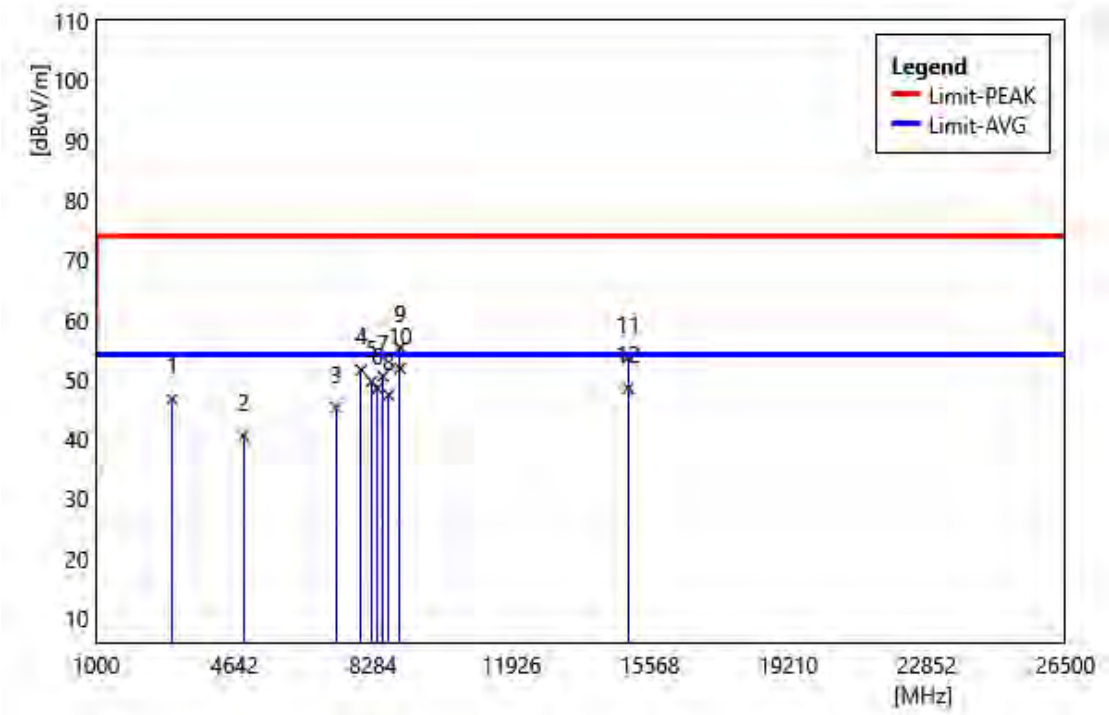
Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLR C8 2402 MHz		
Remark:			



Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLR C8 2402 MHz		
Remark:			

No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	62.97	-14.59	48.38	74	-25.62	PEAK
2	4804	54.39	-8.67	45.72	74	-28.28	PEAK
3	7206	48.24	-3.81	44.43	74	-29.57	PEAK
4	7965	56.8	-2.51	54.29	74	-19.71	PEAK
5	7965	43.87	-2.51	41.36	54	-12.64	AVG
6	8250	51.29	-2.2	49.09	74	-24.91	PEAK
7	8400	51.07	-2.01	49.06	74	-24.94	PEAK
8	8550	51.86	-2.14	49.72	74	-24.28	PEAK
10	9000	54.6	-2.12	52.48	54	-1.52	AVG
9	9000	57.84	-2.12	55.72	74	-18.28	PEAK
11	14220	52.34	3.66	56	74	-18	PEAK
12	14220	49.38	3.66	53.04	54	-0.96	AVG
13	15000	52.52	4.38	56.9	74	-17.1	PEAK
14	15000	47.42	4.38	51.8	54	-2.2	AVG
15	15160	50.39	4.32	54.71	74	-19.29	PEAK
16	15160	47.37	4.32	51.69	54	-2.31	AVG
17	15310	49.89	4.75	54.64	74	-19.36	PEAK
18	15310	46.31	4.75	51.06	54	-2.94	AVG

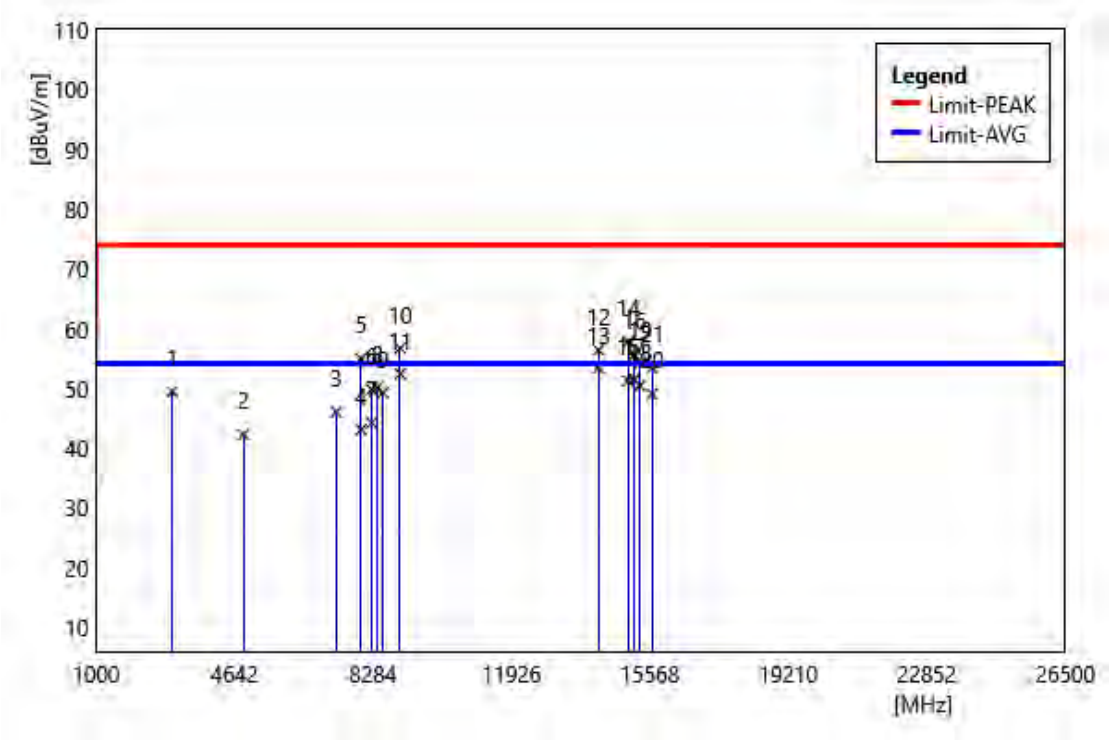
Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLR C8 2440 MHz		
Remark:			



Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLR C8 2440 MHz		
Remark:			

No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	61.22	-14.59	46.63	74	-27.37	PEAK
2	4880	48.97	-8.43	40.54	74	-33.46	PEAK
3	7320	49.19	-3.92	45.27	74	-28.73	PEAK
4	7979	54.04	-2.48	51.56	74	-22.44	PEAK
5	8250	51.82	-2.2	49.62	74	-24.38	PEAK
6	8400	50.46	-2.01	48.45	74	-25.55	PEAK
7	8550	52.67	-2.14	50.53	74	-23.47	PEAK
8	8700	49.75	-2.37	47.38	74	-26.62	PEAK
9	9000	57.4	-2.12	55.28	74	-18.72	PEAK
10	9000	53.95	-2.12	51.83	54	-2.17	AVG
11	15000	49.29	4.38	53.67	74	-20.33	PEAK
12	15000	44.12	4.38	48.5	54	-5.5	AVG

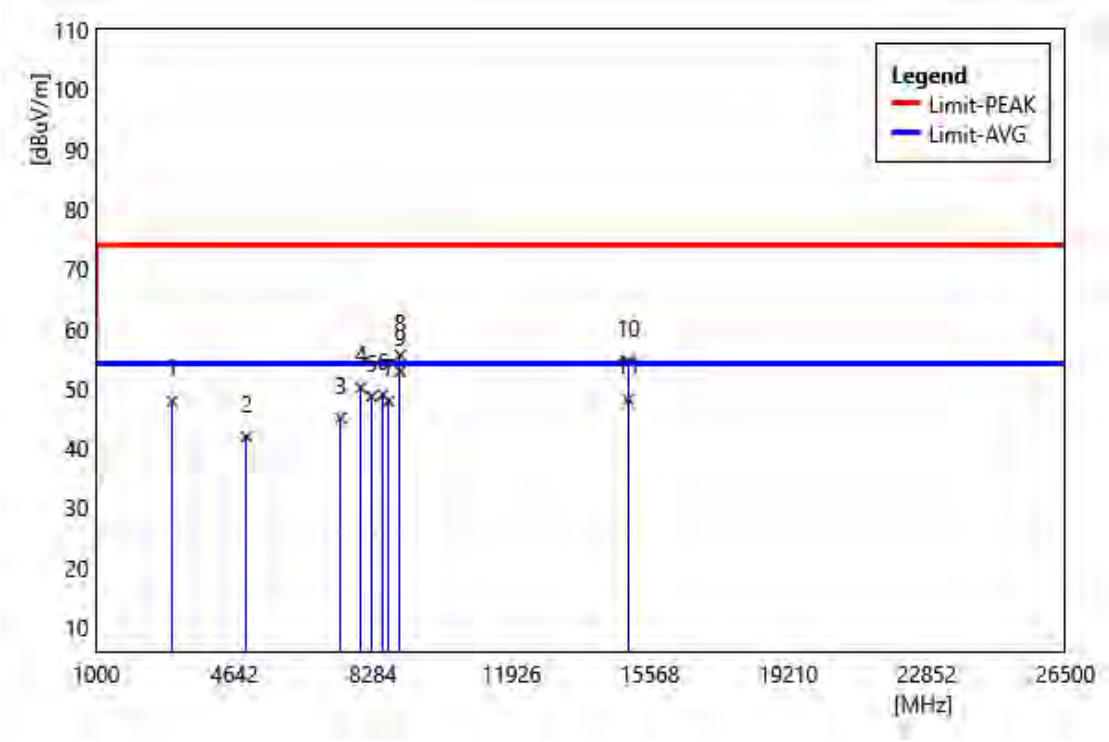
Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLR C8 2440 MHz		
Remark:			



Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLR C8 2440 MHz		
Remark:			

No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	64.05	-14.59	49.46	74	-24.54	PEAK
2	4880	50.71	-8.43	42.28	74	-31.72	PEAK
3	7320	49.93	-3.92	46.01	74	-27.99	PEAK
4	7972	45.58	-2.47	43.11	54	-10.89	AVG
5	7972	57.46	-2.47	54.99	74	-19.01	PEAK
6	8250	52.02	-2.2	49.82	74	-24.18	PEAK
7	8250	46.42	-2.2	44.22	54	-9.78	AVG
8	8400	52.11	-2.01	50.1	74	-23.9	PEAK
9	8550	51.49	-2.14	49.35	74	-24.65	PEAK
11	9000	54.55	-2.12	52.43	54	-1.57	AVG
10	9000	58.84	-2.12	56.72	74	-17.28	PEAK
12	14220	52.77	3.66	56.43	74	-17.57	PEAK
13	14220	49.74	3.66	53.4	54	-0.6	AVG
14	15000	53.39	4.38	57.77	74	-16.23	PEAK
15	15000	46.91	4.38	51.29	54	-2.71	AVG
16	15160	51.35	4.32	55.67	74	-18.33	PEAK
17	15160	47.19	4.32	51.51	54	-2.49	AVG
18	15310	45.71	4.75	50.46	54	-3.54	AVG
19	15310	49.53	4.75	54.28	74	-19.72	PEAK
20	15630	44.72	4.37	49.09	54	-4.91	AVG
21	15630	49.07	4.37	53.44	74	-20.56	PEAK

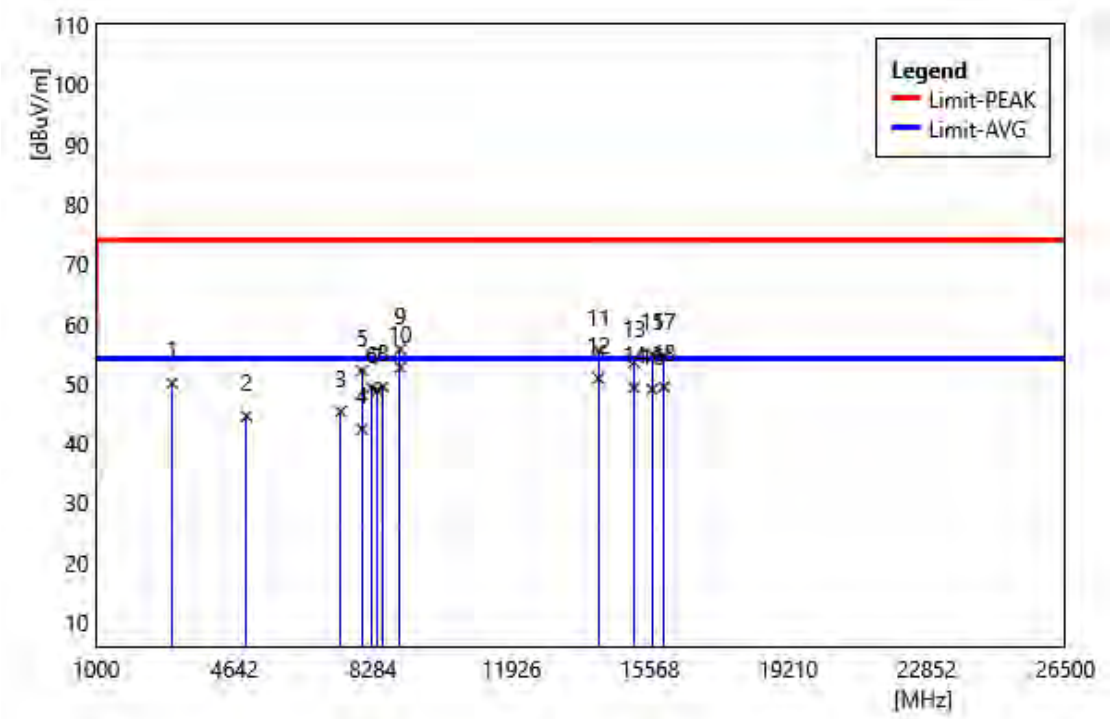
Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLR C8 2480 MHz		
Remark:			



Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLR C8 2480 MHz		
Remark:			

No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	62.43	-14.59	47.84	74	-26.16	PEAK
2	4960	50.33	-8.41	41.92	74	-32.08	PEAK
3	7440	48.81	-3.77	45.04	74	-28.96	PEAK
4	7972	52.58	-2.47	50.11	74	-23.89	PEAK
5	8250	50.86	-2.2	48.66	74	-25.34	PEAK
6	8550	51.11	-2.14	48.97	74	-25.03	PEAK
7	8700	50.21	-2.37	47.84	74	-26.16	PEAK
8	9000	57.65	-2.12	55.53	74	-18.47	PEAK
9	9000	54.99	-2.12	52.87	54	-1.13	AVG
10	15000	50.22	4.38	54.6	74	-19.4	PEAK
11	15000	43.78	4.38	48.16	54	-5.84	AVG

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLR C8 2480 MHz		
Remark:			

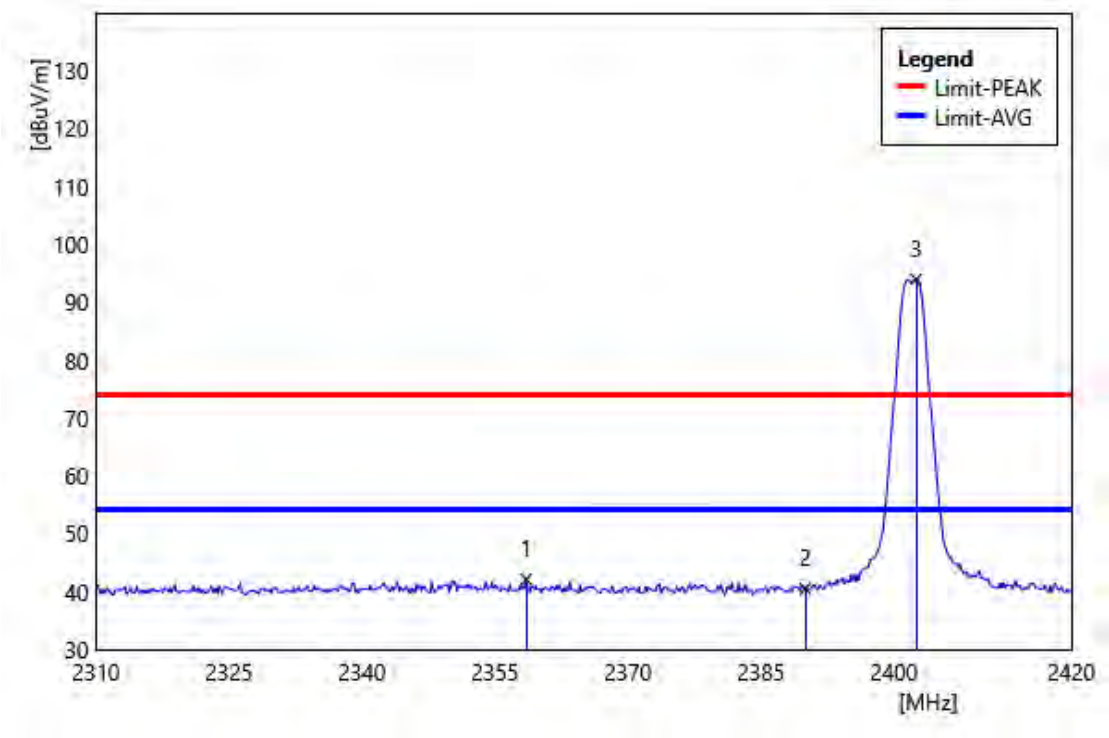


Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLR C8 2480 MHz		
Remark:			

No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3002	64.62	-14.59	50.03	74	-23.97	PEAK
2	4960	52.92	-8.41	44.51	74	-29.49	PEAK
3	7440	49.08	-3.77	45.31	74	-28.69	PEAK
4	8000	45.12	-2.76	42.36	54	-11.64	AVG
5	8000	54.87	-2.76	52.11	74	-21.89	PEAK
6	8250	51.51	-2.2	49.31	74	-24.69	PEAK
7	8400	50.83	-2.01	48.82	74	-25.18	PEAK
8	8550	51.53	-2.14	49.39	74	-24.61	PEAK
10	9000	54.8	-2.12	52.68	54	-1.32	AVG
9	9000	57.83	-2.12	55.71	74	-18.29	PEAK
11	14220	51.84	3.66	55.5	74	-18.5	PEAK
12	14220	47.19	3.66	50.85	54	-3.15	AVG
13	15160	49.21	4.32	53.53	74	-20.47	PEAK
14	15160	44.99	4.32	49.31	54	-4.69	AVG
15	15630	50.5	4.37	54.87	74	-19.13	PEAK
16	15630	44.65	4.37	49.02	54	-4.98	AVG
17	15940	50.37	4.4	54.77	74	-19.23	PEAK
18	15940	45.01	4.4	49.41	54	-4.59	AVG

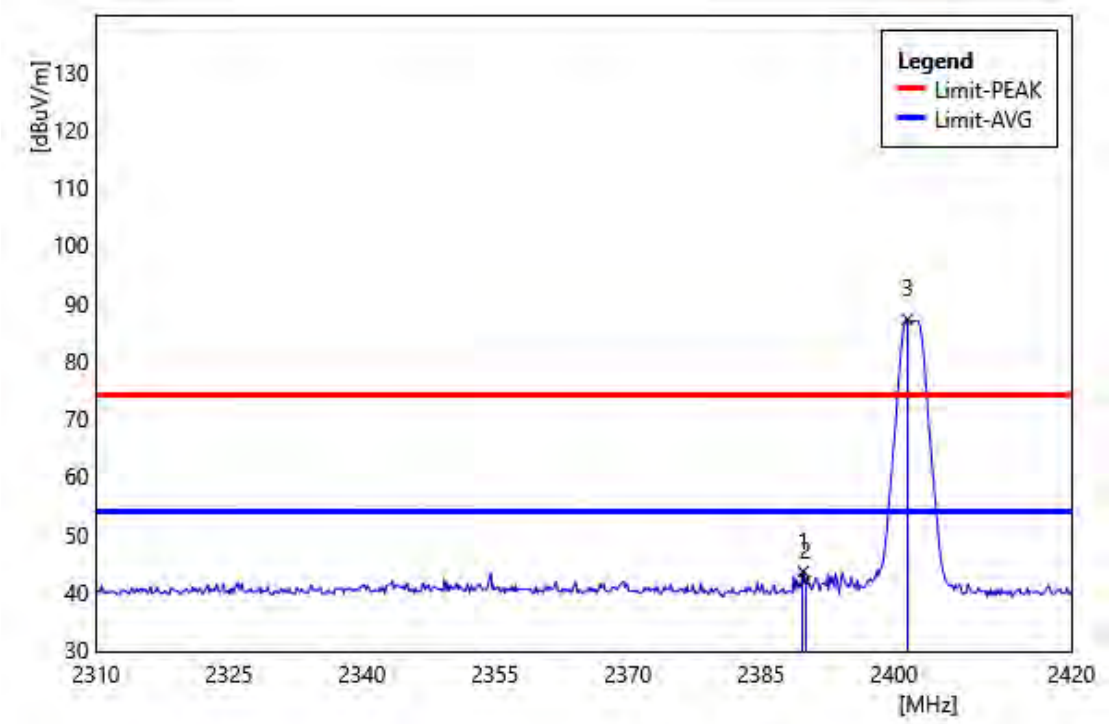
Band Edge

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLE 2M 2402 MHz		
Remark:			



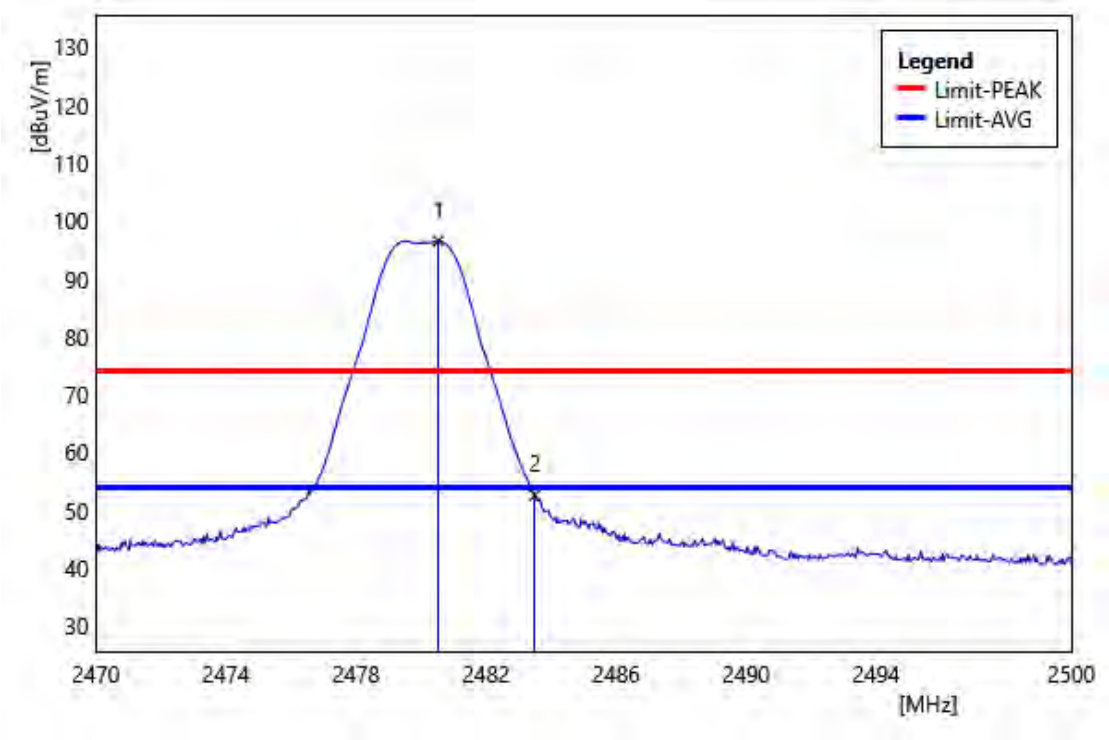
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	2358.51	59.84	-17.74	42.1	74	-31.9	PEAK
2	2390	58.63	-18.16	40.47	74	-33.53	PEAK
3	2402.51	112.26	-18.3	93.96	74	19.96	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLE 2M 2402 MHz		
Remark:			



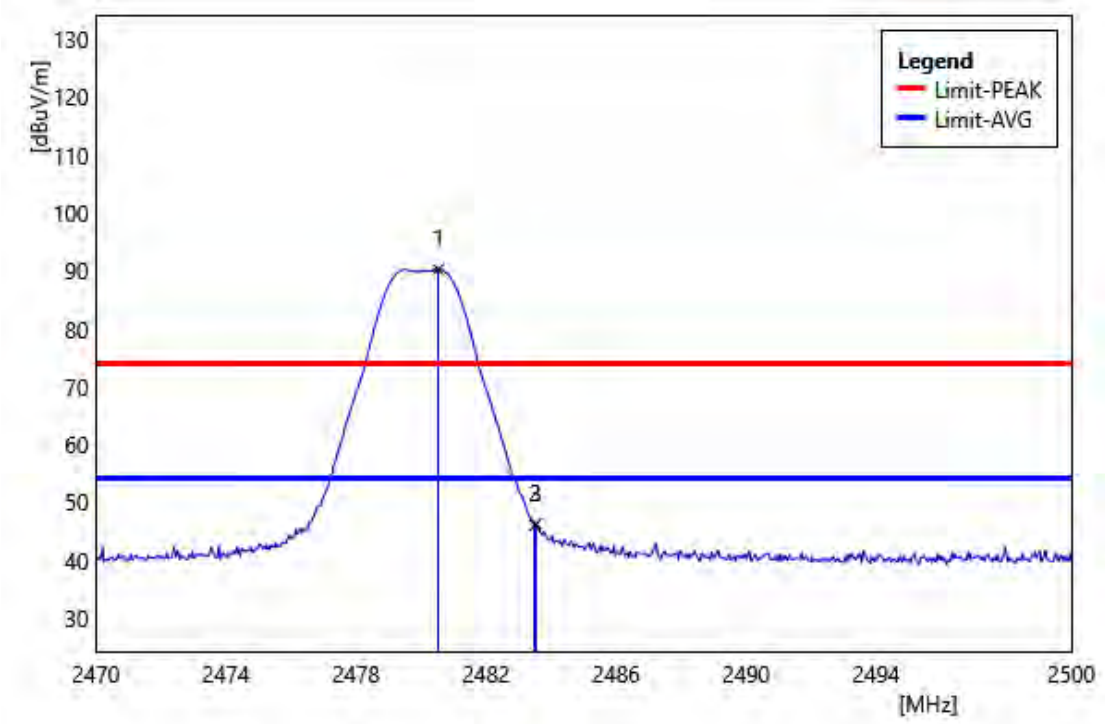
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	2389.75	61.75	-18.16	43.59	74	-30.41	PEAK
2	2390	60.12	-18.16	41.96	74	-32.04	PEAK
3	2401.52	105.45	-18.3	87.15	74	13.15	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLE 2M 2480 MHz		
Remark:			



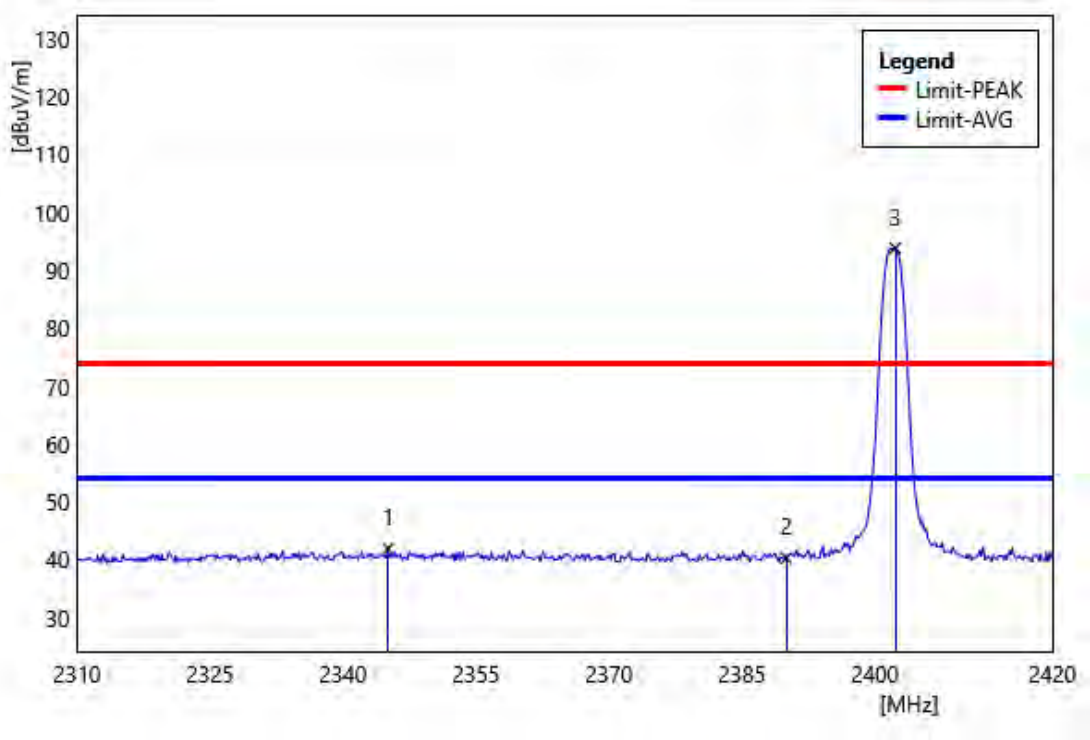
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	2480.53	114.69	-18.14	96.55	74	22.55	PEAK
2	2483.5	70.69	-18.11	52.58	74	-21.42	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLE 2M 2480 MHz		
Remark:			



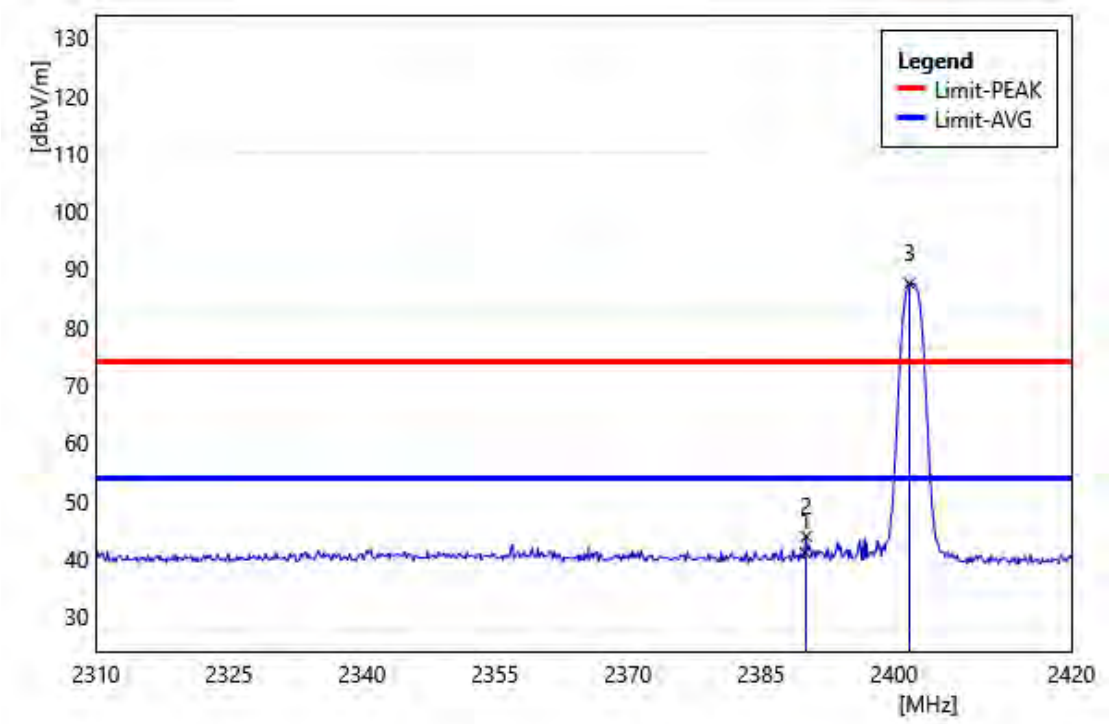
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	2480.53	108.38	-18.14	90.24	74	16.24	PEAK
2	2483.5	64.15	-18.11	46.04	74	-27.96	PEAK
3	2483.53	64.36	-18.11	46.25	74	-27.75	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLR C8 2402 MHz		
Remark:			



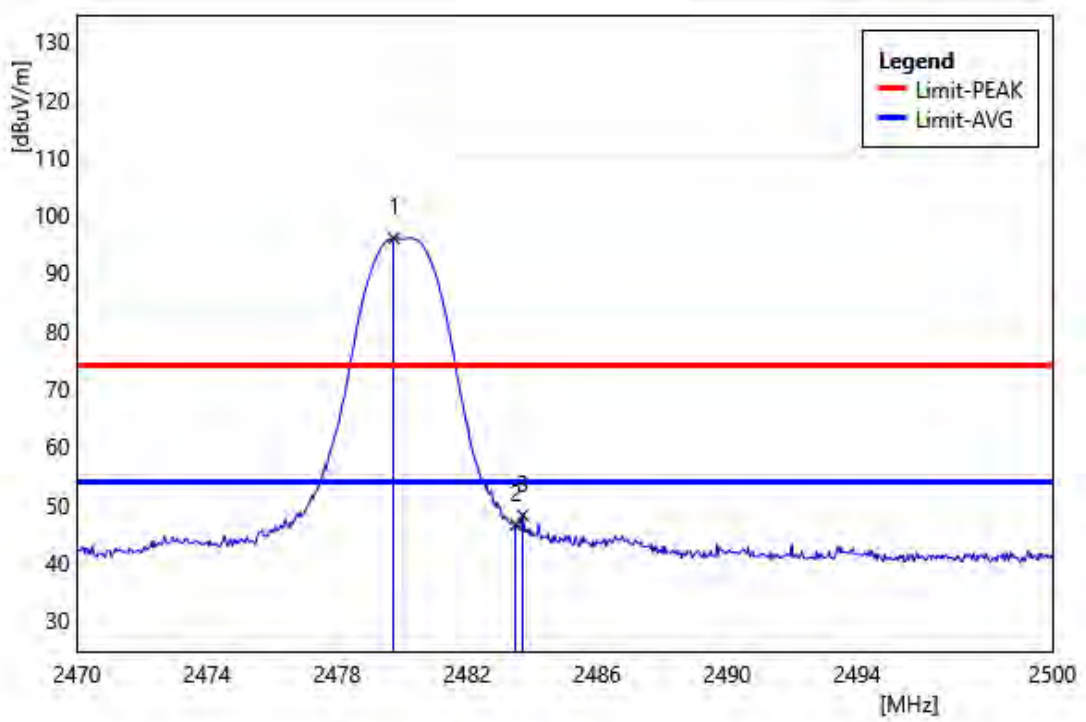
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	2345.09	59.63	-17.67	41.96	74	-32.04	PEAK
2	2390	58.44	-18.16	40.28	74	-33.72	PEAK
3	2402.29	112.15	-18.3	93.85	74	19.85	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLR C8 2402 MHz		
Remark:			



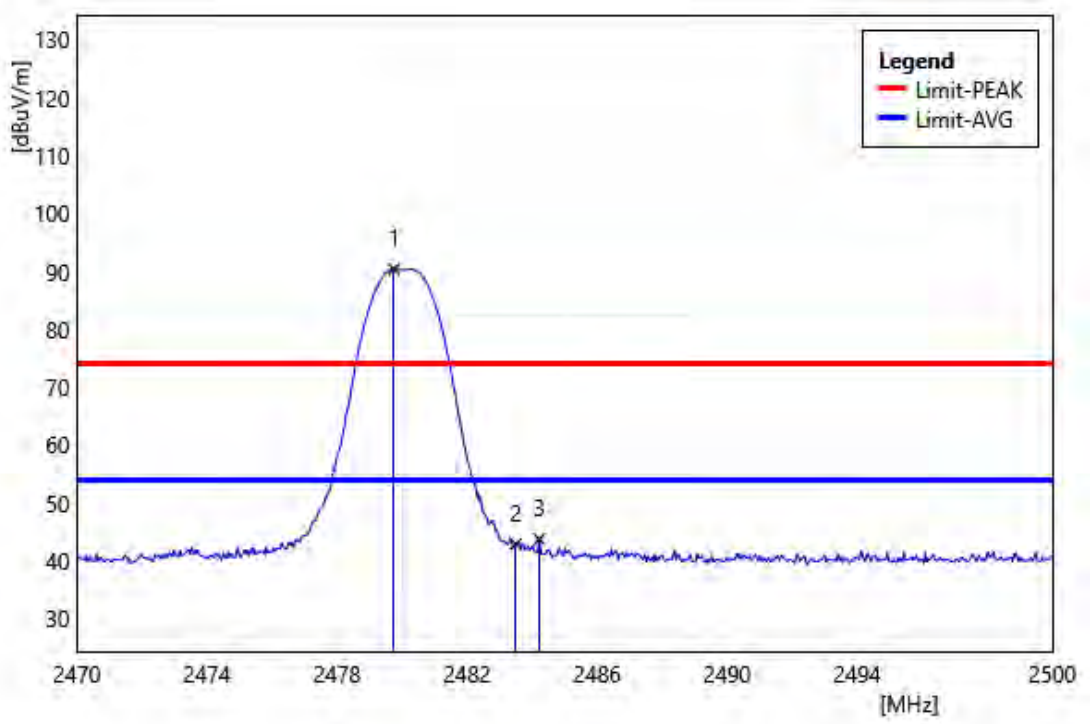
No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	2390	59.15	-18.16	40.99	74	-33.01	PEAK
2	2390.08	61.98	-18.16	43.82	74	-30.18	PEAK
3	2401.74	105.78	-18.3	87.48	74	13.48	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Horizontal		
Test Mode	BLR C8 2480 MHz		
Remark:			



No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	2479.75	114.13	-18.14	95.99	74	21.99	PEAK
2	2483.5	64.58	-18.11	46.47	74	-27.53	PEAK
3	2483.71	66.2	-18.11	48.09	74	-25.91	PEAK

Standard:	Part 15.247	Test Site:	96602-WG
Polarization:	Vertical		
Test Mode	BLR C8 2480 MHz		
Remark:			



No.	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	2479.75	108.5	-18.14	90.36	74	16.36	PEAK
2	2483.5	60.97	-18.11	42.86	74	-31.14	PEAK
3	2484.22	61.82	-18.11	43.71	74	-30.29	PEAK

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