

RF Test Report

Applicant : Getac Technology Corporation

Product Name : Wireless Module

Trade Name : Getac

Model Number : BE211NGW

Applicable Standard : FCC 47 CFR PART 15 SUBPART E

Received Date : Jul. 29, 2026

Test Period : Aug. 06, 2026 ~ Aug. 10, 2026

Issued Date : Sep. 15, 2026

Issued by

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



Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range: 9 kHz to 40 GHz
Test Firm Registration Number: 226252 (Bade test site)
Test Firm Registration Number: 191812 (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

Rev.	Issued Date	Description	Revised By
00	Sep. 15, 2026	Initial Issue	Rowan Hsieh

Verification of Compliance

Applicant : Getac Technology Corporation

Product Name : Wireless Module

Trade Name : Getac

Model Number : BE211NGW

FCC ID : QYLBE211NG

Applicable Standard : FCC 47 CFR PART 15 SUBPART E

Test Result : Complied

Issued By : Eurofins E&E Wireless Taiwan Co., Ltd.
No. 140-1, Changan Street, Bade District,
Taoyuan City, 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 :

A handwritten signature in black ink that reads 'Kai Yu Yang'.

Kai Yu Yang / RF Supervisor

TABLE OF CONTENTS

1	General Information.....	5
1.1.	Summary of Test Result	5
1.2.	Testing Location	6
1.3.	Measurement Uncertainty	7
1.4.	Test Site Environment	7
2	EUT Description.....	8
3	Test Methodology	13
3.1.	Mode of Operation	13
3.2.	EUT Test Step	13
3.3.	Configuration of Test System Details	14
3.4.	Test Instruments.....	15
4	Measurement Procedure	17
4.1.	AC Power Conducted Emission Measurement	17
4.2.	Transmitter Radiated Emissions Measurement.....	19
4.3.	Antenna Requirement	23
5	Test Results	24
5.1.	Conducted Emission	24
5.2.	Radiated Emission Measurement	26

Appendix A. Test Setup Photographs

1 General Information

1.1. Summary of Test Result

Standard	Item	Result	Remark
15.207	AC Power Conducted Emission	PASS	---
15.407(b) 15.205 / 15.209	Transmitter Radiated Emissions	PASS	Note 2
15.407(a)	Maximum Output Power	N/A	Note 1
15.407(a)	Emission Bandwidth	N/A	Note 1
15.407(a)	Maximum Power Spectral Density	N/A	Note 1
15.407(b)	In-Band Emission (Mask)	N/A	Note 1
15.407(g)	Frequency Stability	N/A	Note 1
15.407(d)	Contention based Protocol	N/A	Note 1
15.407(d)	Operational restrictions for 6 GHz U-NII devices	N/A	Note 1
15.407(a)	Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP	N/A	Note 1
15.407(a)	Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point or / and Geofenced Variable Power Access Point	N/A	Note 1
15.407(d)	Transmit Power Control, Very Low Power Devices or / and Geofenced Variable Power Access Point	N/A	Note 1
15.407(c)	Automatically discontinue transmission	N/A	Note 1
15.203	Antenna Requirement	N/A	Note 1

Note 1 : No test for this item, test results could be referred to RF module BE211NGW report (250519-05.TR01, 250519-01.TR12, 250519-01.TR33, 250519-01.TR35, 250519-01.TR41, 250519-01.TR43).

Note 2 : Reference RF module BE211NGW report (250519-01.TR11, 250519-01.TR40), verify the Simultaneous Transmission.

Decision Rule

- ☒ Uncertainty is not included.
- ☐ Uncertainty is included.

Standard	Description
CFR47, Part 15, Subpart E	Unlicensed National Information Infrastructure Devices
ANSI C63.10-2020+Cor.1-2023	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB789033 D02 v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
KDB 662911 D01 v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
KDB 987594 D02 v03	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure 6 GHz (U-NII) Devices Part 15, Subpart E

1.2. Testing Location

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

Site Address: ☐ No. 140-1, Changan Street, Bade District, Taoyuan City, 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	Uncertainty				
		BD		WG		
Conducted Emission	150 kHz ~ 30 MHz	2.7 dB		2.6 dB		
Test Item	Frequency	Uncertainty				
		96601-BD	96603-BD	96602-WG	96603-WG	96604-WG
Radiated Emission	9 kHz ~ 30 MHz	1.8 dB	1.8 dB	1.6 dB	1.6 dB	1.6 dB
	30 MHz ~ 1000 MHz	4.6 dB	4.7 dB	4.7 dB	4.7 dB	4.6 dB
	1000 MHz ~ 18000 MHz	4.4 dB	4.5 dB	4.6 dB	4.7 dB	4.8 dB
	18000 MHz ~ 26500 MHz	3.7 dB	3.8 dB	3.9 dB	4.1 dB	4.4 dB
	26500 MHz ~ 40000 MHz	3.9 dB	3.9 dB	4.1 dB	4.1 dB	4.5 dB

1.4. Test Site Environment

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

(*)The measurement ambient temperature is within this range.

2 EUT Description

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity (except Maximum Output Power (e.i.r.p.)).

Applicant	Getac Technology Corporation 5F., Building A, No. 209, Sec. 1, Nangang Rd., Nangang Dist., Taipei City, 115018, Taiwan		
Product Name	Wireless Module		
Trade Name	Getac		
Model No.	BE211NGW		
FCC ID	QYLBE211NG		
Host Information	Product Name: Tablet Trade Name: Getac Model Name: UX10, UX10G3, UX10- 301, UX10-321, UX10- Ex, UX10G4, UX10G5, UX10G5AR, UX10G6, UX10Y (Y=10 characters, Y can be 0 to 9 , A to Z, a to z, "/", "\", "-", "_" or blank for marketing purpose) (All models are electrically identical, different model names are for marketing purpose.)		
Operate Frequency	Frequency Band		Frequency Range (MHz)
	802.11ax HE20/ 802.11be EHT20	U-NII Band 5	5955 – 6415
		U-NII Band 6	6435 – 6515
		U-NII Band 7	6535 – 6855
		U-NII Band 8	6875 – 7115
	802.11ax HE40/ 802.11be EHT40	U-NII Band 5	5965 – 6405
		U-NII Band 6	6445 – 6485
		U-NII Band 7	6525 – 6845
		U-NII Band 8	6885 – 7085
	802.11ax HE80/ 802.11be EHT80	U-NII Band 5	5985 – 6385
		U-NII Band 6	6465 – 6545
		U-NII Band 7	6625 – 6785
		U-NII Band 8	6865 – 7025
	802.11ax HE160/ 802.11be EHT160	U-NII Band 5	6025 – 6345
		U-NII Band 6	6505
		U-NII Band 7	6665 – 6825
		U-NII Band 8	6985
	802.11be EHT320	U-NII Band 5	6105 – 6265
		U-NII Band 5/6/7	6425
		U-NII Band 6/7	6585
		U-NII Band 7/8	6745 – 6905

Modulation Type	OFDMA				
Antenna information	ANT	Model Number	Type	Peak Gain (dBi)	
	ANT-0 (Main)	UX10G3 WIFI MAIN ANT	PIFA Antenna	U-NII Band 5	1.86
				U-NII Band 6	0.76
				U-NII Band 7	1.11
				U-NII Band 8	1.56
	ANT-1 (AUX)	UX10G3 AUXWIFI ANT	PIFA Antenna	U-NII Band 5	-0.13
				U-NII Band 6	0.37
				U-NII Band 7	0.51
				U-NII Band 8	1.22
Operate Temp. Range	0 ~ 80 °C				
EUT Power Rating	3.3 Vdc				

Testing Sample No.	
Test Item	Sample Number
Radiation	C267294_A002
Conducted Emission	C267294_A002

EUT Modification Description :

1. Module in host
2. After replacing the antenna, the Gain is smaller than the Module report antenna.
After Our evaluation, the retest of Conduction Emission and Simultaneous Transmitter of Spurious Radiated are required.
The other test data refer to the Module report.

Equipment Type	
Geofenced Variable Power Access Point	---
Indoor access point	---
Subordinate device	V
Indoor Client devices	V
Standard power access point client and indoor client, except for fixed client devices	---
Geofenced Variable Power Client devices	---

BW 20M	CH	1	5	9	13	17	21	25	29
	Freq.(MHz)	5955	5975	5995	6015	6035	6055	6075	6095
BW 40M	CH	3		11		19		27	
	Freq.(MHz)	5965		6005		6045		6085	
BW 80M	CH	7				23			
	Freq.(MHz)	5985				6065			
BW 160M	CH	15							
	Freq.(MHz)	6025							

BW 20M	CH	33	37	41	45	49	53	57	61
	Freq.(MHz)	6115	6135	6155	6175	6195	6215	6235	6255
BW 40M	CH	35		43		51		59	
	Freq.(MHz)	6125		6165		6205		6245	
BW 80M	CH	39				55			
	Freq.(MHz)	6145				6225			
BW 160M	CH	47							
	Freq.(MHz)	6185							
BW 320M	CH	31							
	Freq.(MHz)	6105							

BW 20M	CH	65	69	73	77	81	85	89	93
	Freq.(MHz)	6275	6295	6315	6335	6355	6375	6395	6415
BW 40M	CH	67		75		83		91	
	Freq.(MHz)	6285		6325		6365		6405	
BW 80M	CH	71				87			
	Freq.(MHz)	6305				6385			
BW 160M	CH	79							
	Freq.(MHz)	6345							
BW 320M	CH	63							
	Freq.(MHz)	6265							

BW 320M	CH	95							
	Freq.(MHz)	6425							

BW 20M	CH	97	101	105	109	113	117	121	125
	Freq.(MHz)	6435	6455	6475	6495	6515	6535	6555	6575
BW 40M	CH	99		107		115		123	
	Freq.(MHz)	6445		6485		6525		6565	
BW 80M	CH	103				119			
	Freq.(MHz)	6465				6545			
BW 160M	CH	111							
	Freq.(MHz)	6505							
BW 320M	CH	127							
	Freq.(MHz)	6585							

BW 20M	CH	129	133	137	141	145	149	153	157
	Freq.(MHz)	6595	6615	6635	6655	6675	6695	6715	6735
BW 40M	CH	131		139		147		155	
	Freq.(MHz)	6605		6645		6685		6725	
BW 80M	CH	135				151			
	Freq.(MHz)	6625				6705			
BW 160M	CH	143							
	Freq.(MHz)	6665							

BW 20M	CH	161	165	169	173	177	181	185	189
	Freq.(MHz)	6755	6775	6795	6815	6835	6855	6875	6895
BW 40M	CH	163		171		179		187	
	Freq.(MHz)	6765		6805		6845		6885	
BW 80M	CH	167				183			
	Freq.(MHz)	6785				6865			
BW 160M	CH	175							
	Freq.(MHz)	6825							
BW 320M	CH	159							
	Freq.(MHz)	6745							
	CH	191							
	Freq.(MHz)	6905							

BW 20M	CH	193	197	201	205	209	213	217	221
	Freq.(MHz)	6915	6935	6955	6975	6995	7015	7035	7055
BW 40M	CH	195		203		211		219	
	Freq.(MHz)	6925		6965		7005		7045	
BW 80M	CH	199				215			
	Freq.(MHz)	6945				7025			
BW 160M	CH	207							
	Freq.(MHz)	6985							

BW 20M	CH	225	229
	Freq.(MHz)	7075	7095
BW 40M	CH	227	
	Freq.(MHz)	7085	

BW 20M	CH	233							
	Freq.(MHz)	7115							

3 Test Methodology

3.1. Mode of Operation

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:

Pre-Test Mode	Final-Test Mode
Transmit Mode	V
Simultaneous Transmission	V

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.

By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that "Z axis" position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

3.2. EUT Test Step

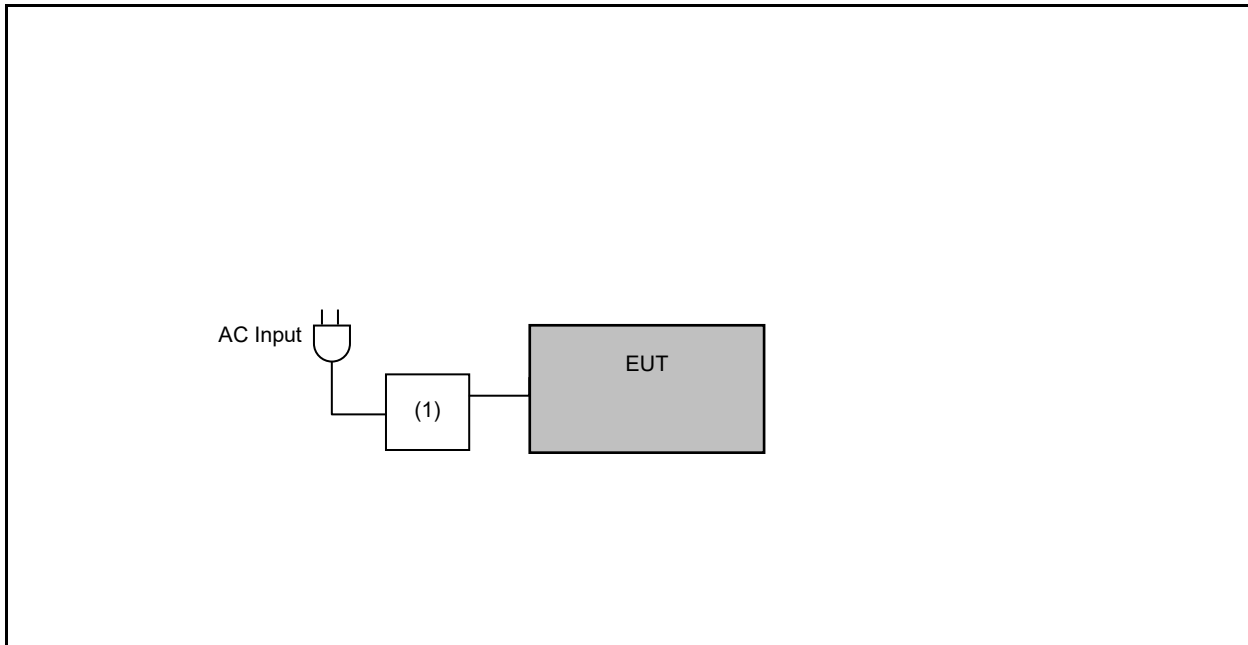
The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement.

According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

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

Conduction Emission & Radiated Emissions



	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Adapter	FSP	FSP065-RBBN3	---	1 Cord

3.4. Test Instruments

For Conduction Emissions

Test Period: Aug. 07, 2026 ~ Aug. 10, 2026

Testing Engineer: Jack Chang

Radiation test sites		Conducted Emission Measurement Conduction01-WG				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Test Receiver	R&S	ESR3	102919	Nov. 25, 2025	1 year
☒	LISN	R&S	ENV216	101041	Apr. 02, 2026	1 year
☒	Cable	EMCI	EMCCFD300-BM-NM-4000	220402	Jun. 24, 2026	1 year
☒	Software	ELEKTRA	94.50.4	N.A.	N.C.R.	N.C.R.

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

For Radiated Emissions

Test Period: Aug. 06, 2026 ~ Aug. 10, 2026

Testing Engineer: Jack Chang

Radiation test sites		Semi Anechoic Room 96604-WG				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	LOOP Antenna (9 kHz~30 MHz)	Schwarzbeck Mess-Elektronik	FMZB 1513-60	1513-60-031	Mar. 16, 2026	1 year
☒	Trilog Broadband Antenna (30 MHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	01603	Nov. 25, 2025	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	RF SPIN	DRH18-E	211208A18EN	Sep. 23, 2025	1 year
☒	Broadband Horn Antenna (15 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	BBHA9170	01133	Jan. 16, 2026	1 year
☒	Spectrum Analyzer (10 Hz~44 GHz)	KEYSIGHT	N9020B	MY60112361	Jan. 13, 2026	1 year
☒	Pre-Amplifier	Agilent	8447D	2944A10961	Jul. 08, 2026	1 year
☒	Pre-Amplifier	SGH	SGH118-EMC	20230715-3	Sep. 10, 2025	1 year
☒	Pre-Amplifier	EMCI	EMC184045SE	980861	Dec. 18, 2025	1 year
☒	Coaxial Cable (9 kHz~1000 MHz)	SGH	SGH1-HA500-2m	SGH1200-1	Sep. 11, 2025	1 year
☒	Coaxial Cable (9 kHz~1000 MHz)	SGH	SGH1-HA500-2m	SGH1200-2	Sep. 11, 2025	1 year
☒	Coaxial Cable (9 kHz~1000 MHz)	SGH	SGH1-HA500-6m	SGH1600	Sep. 11, 2025	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-1000	211027	Oct. 22, 2025	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-2000	211031	Oct. 22, 2025	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-8000	211037	Oct. 22, 2025	1 year
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-600	211211	Jan. 14, 2026	1 year
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-2000	211210	Jan. 14, 2026	1 year
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-6000	211209	Jan. 14, 2026	1 year
☒	Highpass Filter	Warison	WFIL-H8000-26000F	001	Oct. 27, 2025	1 year
☒	Software	R_RAM	V1.3	N/A	N.C.R.	---

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

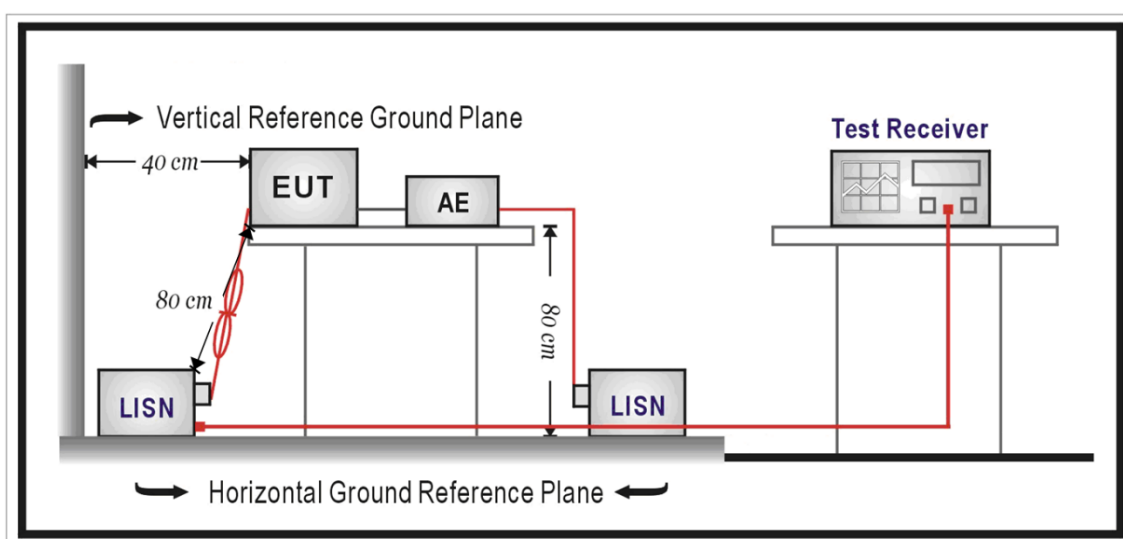
4 Measurement Procedure

4.1. AC Power 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 $50\ \Omega // 50\ \mu\text{H}$ coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a $50\ \Omega // 50\ \mu\text{H}$ 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. Transmitter Radiated Emissions Measurement

■ Limit

(1) Undesirable emission limits. Except as shown in paragraph (b)(9) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(a) For transmitters operating in the band 5925~6425 MHz, 6425~6525 MHz, 6525~6875 MHz and 6875~7125 MHz all emissions outside the band 5925~7125 MHz shall not exceed -27 dBm/MHz E.I.R.P..

E.I.R.P. (dBm/MHz)	Avg Field Strength at 3 m(dBuV/m)
-7 (Peak)	88.2 (Peak)
-27 (AVG)	68.2 (AVG)

(2) Limits of Radiated Emission Measurement

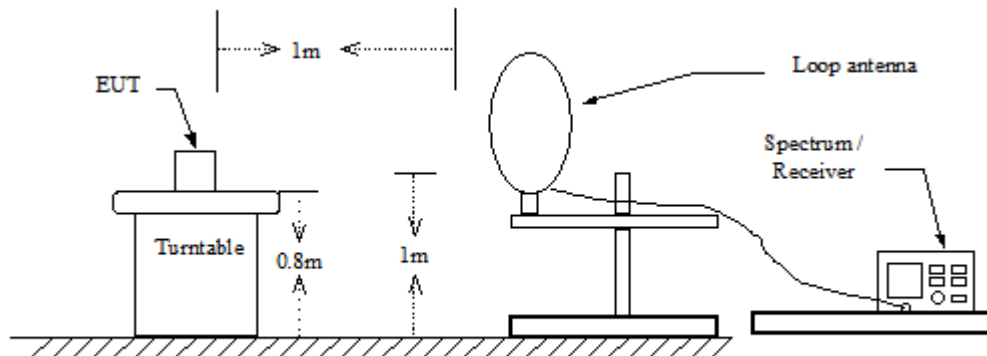
Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequency Range (MHz)	Field Strength (microvolts/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	10	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

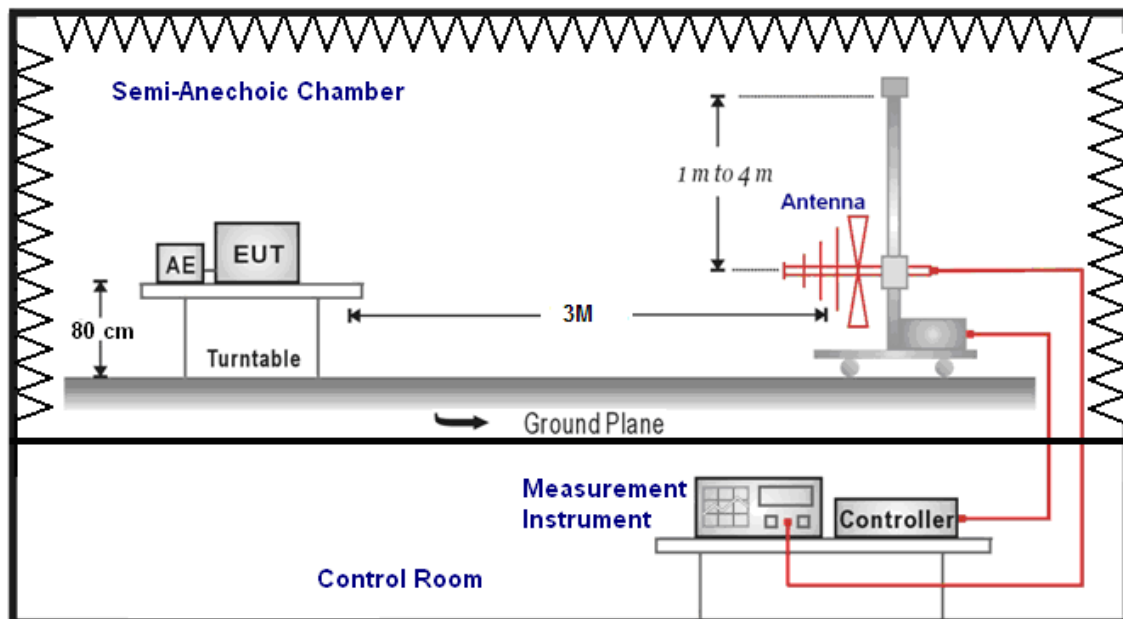
- Note: 1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

■ Setup

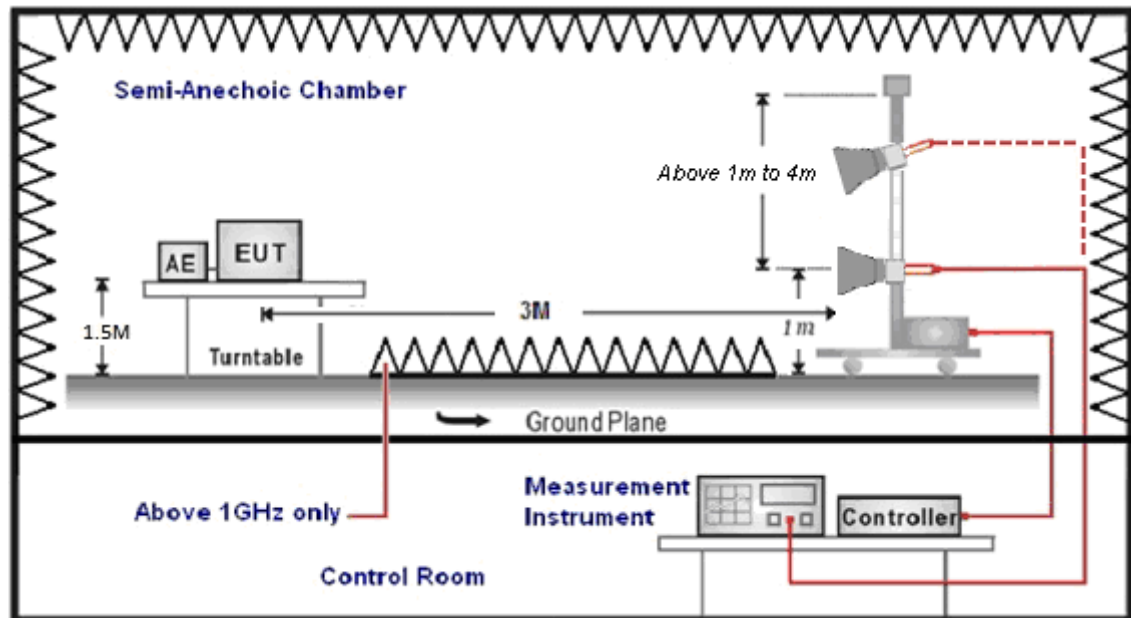
9 kHz ~ 30 MHz



30 MHz ~ 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 (below 1 GHz use 0.8 m turntable / above 1 GHz use 1.5 m turntable), top surface 1.0 x 1.5 meter. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 40 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 restricted measurements above 1 GHz:

■ Peak measurements: reference KDB 789033 II.G.5

■ Avg measurements: reference KDB 789033 II.G.6 Method AD (Average Detection)

☐ Avg measurements: reference KDB 789033 II.G.6 Method VB (Averaging using reduced video bandwidth)

For out of band measurements above 1 GHz:

■ Peak measurements: reference KDB 789033 II.G.5

■ Avg measurements: reference KDB 789033 II.G.6 Method AD (Average Detection)

☐ Avg measurements: reference KDB 789033 II.G.6 Method VB (Averaging using reduced video bandwidth)

A nonconductive material surrounded the EUT to supporting the EUT for standing on three 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. Trilog-Broadband Antenna at 3 Meter and the Horn antenna was used in frequencies 1 – 40 GHz at a distance of 3 meter (below 30 MHz & above 18 GHz at 1 m). 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.

Reading (dBuV) = SA Reading (dBuV) + DCCF (If used)

Result (dBuV/m) = Reading (dBuV) + Correct Factor (dB/m)

Correct Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre-Amplifier gain (dB)

Duty Cycle Correction Factor (DCCF) = $10 \log(1/D)$, where $10 \log(1/D)$ is added if the duty cycle (D) is less than 98%. If the duty cycle is greater than or equal to 98%, DCCF is set to 0 dB.

(DCCF refers to the results in Appendix A)

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.

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

It has been verified by the laboratory that all signals and the upward trend observed above 30 GHz are purely the system noise floor and ambient noise of the measurement setup, and do not constitute radiated emissions from the EUT.

4.3. Antenna Requirement

■ 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 15.407 (a), 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.

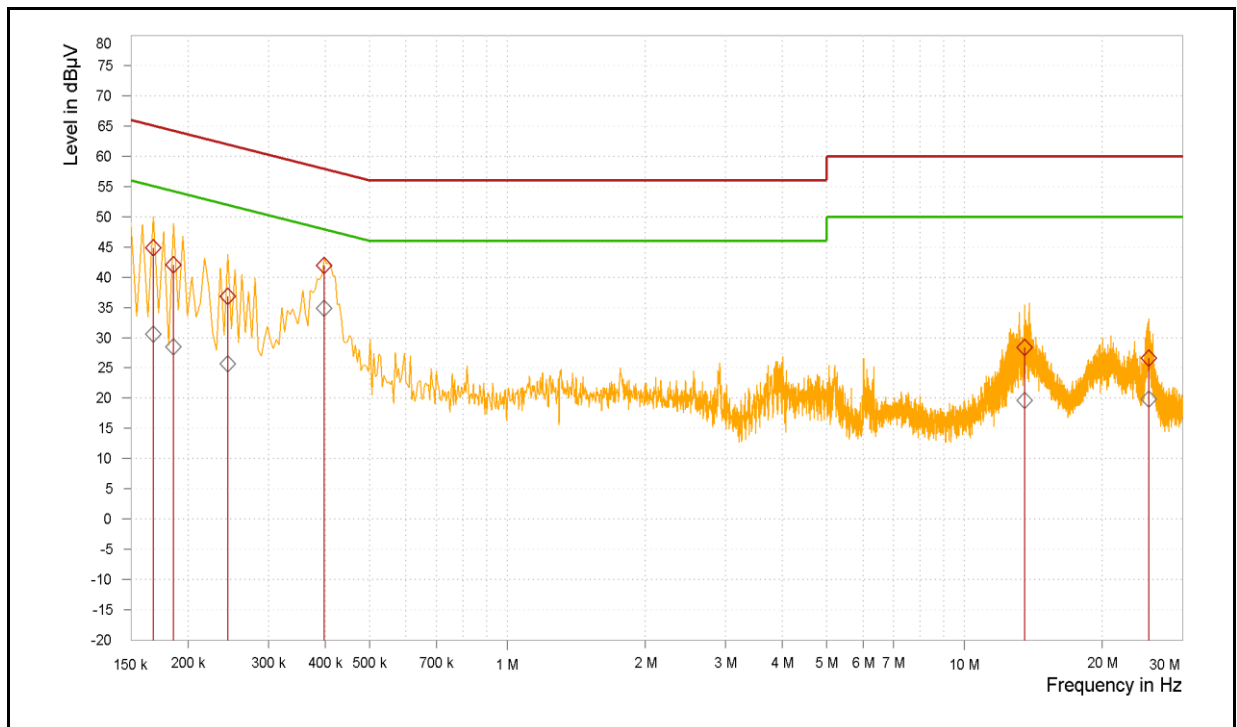
■ Antenna Connector Construction

See section 2 – antenna information.

5 Test Results

5.1. Conducted Emission

Standard:	FCC Part 15.407	Line:	L1
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Transmit mode		
Description:			

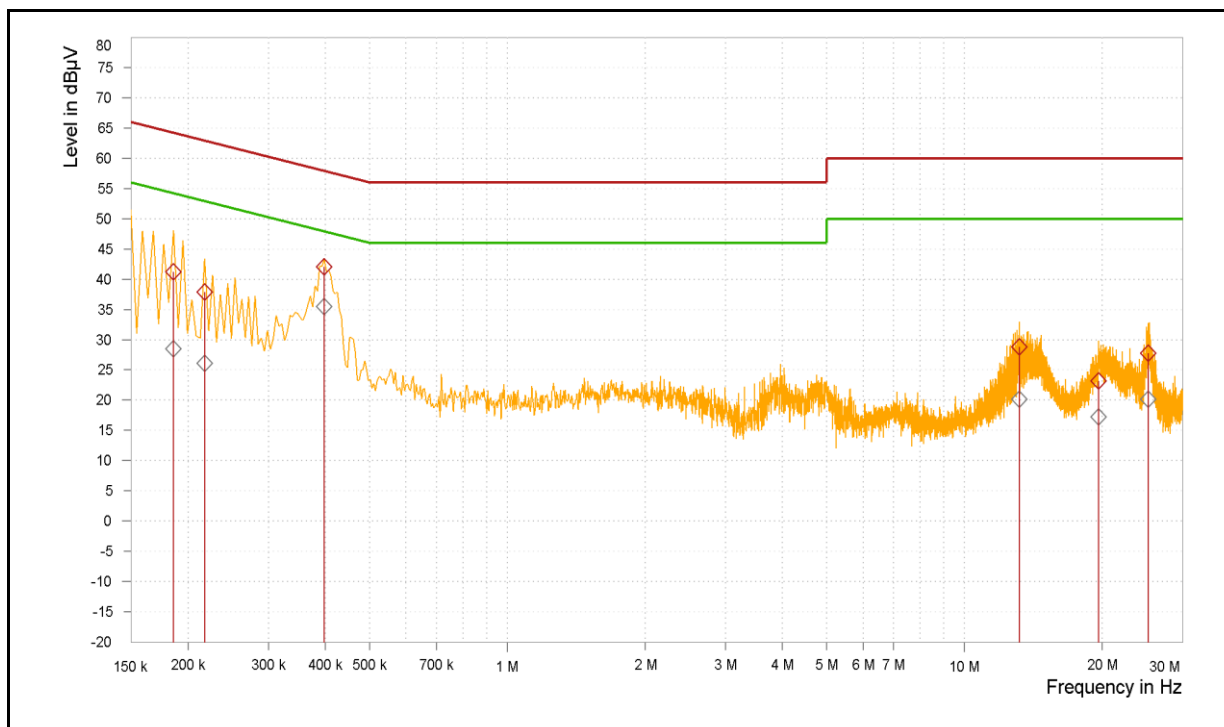


Rg	Frequency [MHz]	QP Result [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Result [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Correction factor [dB]	Line
1	0.168	44.88	65.06	20.17	30.58	55.06	24.48	9.62	L1
1	0.186	42.03	64.21	22.18	28.46	54.21	25.75	9.61	L1
1	0.245	36.80	61.94	25.14	25.69	51.94	26.25	9.60	L1
1	0.398	41.99	57.91	15.92	34.84	47.91	13.07	9.59	L1
1	13.560	28.39	60.00	31.61	19.60	50.00	30.40	9.78	L1
1	25.350	26.56	60.00	33.44	19.84	50.00	30.16	9.77	L1

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

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

Standard:	FCC Part 15.407	Line:	N
Test item:	Conducted Emission	Power:	AC 120 V/60 Hz
Mode:	Transmit mode		
Description:			



Rg	Frequency [MHz]	QP Result [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Result [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Correction factor [dB]	Line
1	0.186	41.24	64.21	22.97	28.46	54.21	25.76	9.63	N
1	0.218	37.88	62.91	25.04	26.09	52.91	26.83	9.63	N
1	0.398	42.01	57.91	15.89	35.49	47.91	12.42	9.63	N
1	13.169	28.78	60.00	31.22	20.14	50.00	29.86	9.88	N
1	19.680	23.17	60.00	36.83	17.25	50.00	32.75	9.98	N
1	25.242	27.78	60.00	32.22	20.17	50.00	29.83	10.02	N

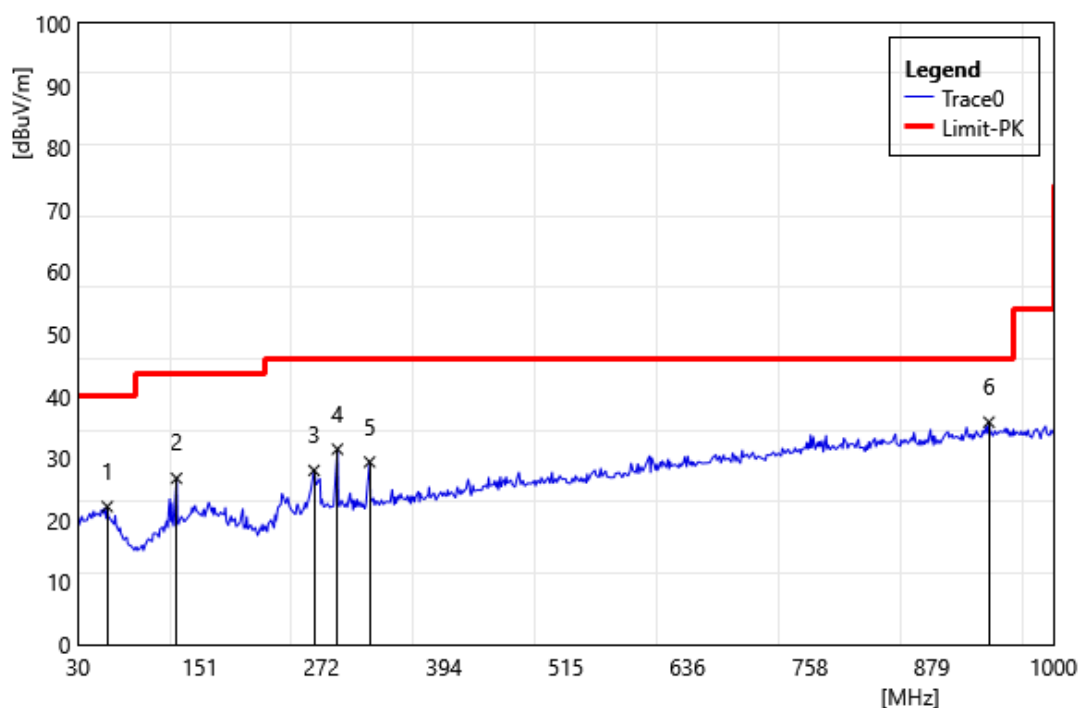
Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

5.2. Radiated Emission Measurement

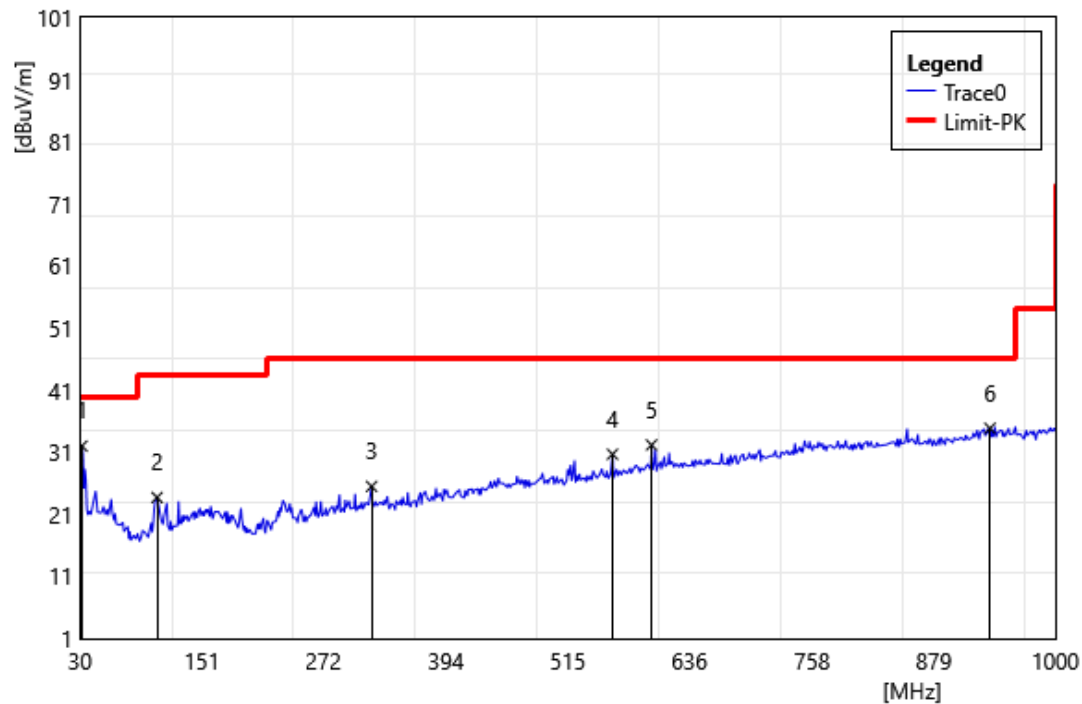
Below 1 GHz

Test Site:	96604-WG	Standard:	FCC Part 15.407
Test Mode:	Transmit Mode		
Polarization:	Horizontal		
Remark:			



ID	Frequency MHz	Reading dBuV	Correct Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	59.10	30.10	-7.89	22.22	40.00	-17.79	QP
2	127.97	36.08	-9.31	26.77	43.50	-16.73	QP
3	264.74	35.50	-7.46	28.04	46.00	-17.96	QP
4	288.02	37.65	-6.19	31.46	46.00	-14.54	QP
5	320.03	35.02	-5.62	29.40	46.00	-16.60	QP
6	935.98	30.37	5.45	35.82	46.00	-10.18	QP

Test Site:	96604-WG	Standard:	FCC Part 15.407
Test Mode:	Transmit Mode		
Polarization:	Vertical		
Remark:			

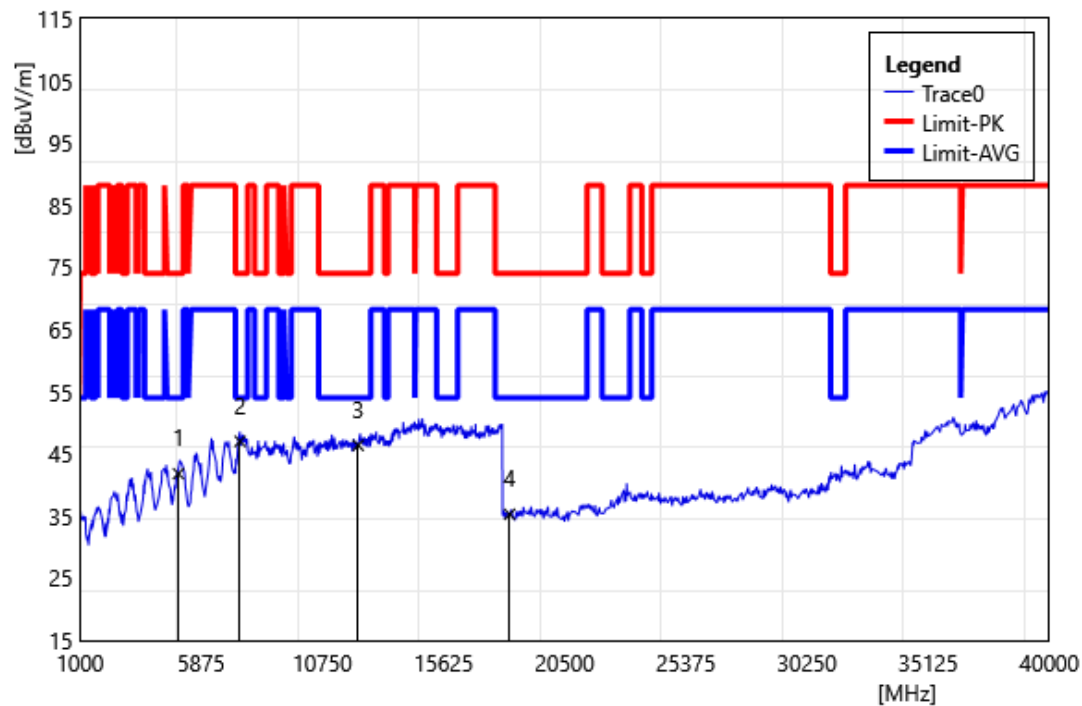


ID	Frequency MHz	Reading dBuV	Correct Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	31.94	41.07	-9.07	32.00	40.00	-8.00	QP
2	106.63	34.91	-11.19	23.72	43.50	-19.78	QP
3	320.03	31.13	-5.62	25.51	46.00	-20.49	QP
4	559.62	32.48	-1.80	30.68	46.00	-15.32	QP
5	598.42	32.86	-0.67	32.19	46.00	-13.81	QP
6	935.01	29.42	5.44	34.86	46.00	-11.14	QP

Harmonic

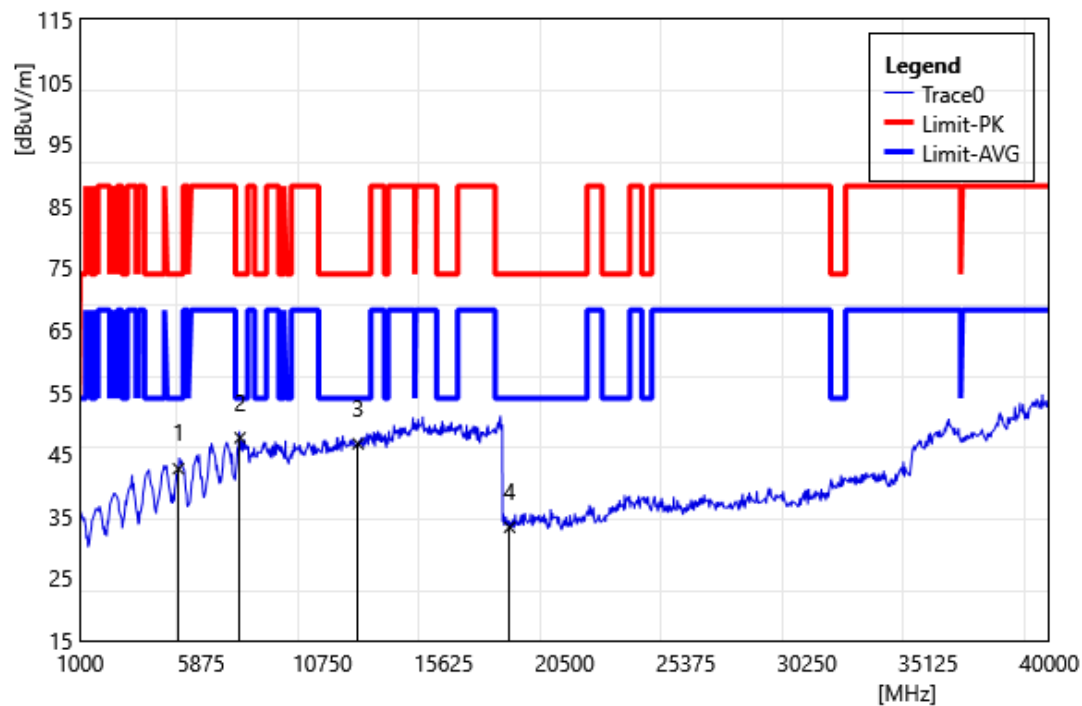
Above 1 GHz

Test Site:	96604-WG	Standard:	FCC Part 15.407
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	BT+ 6G		



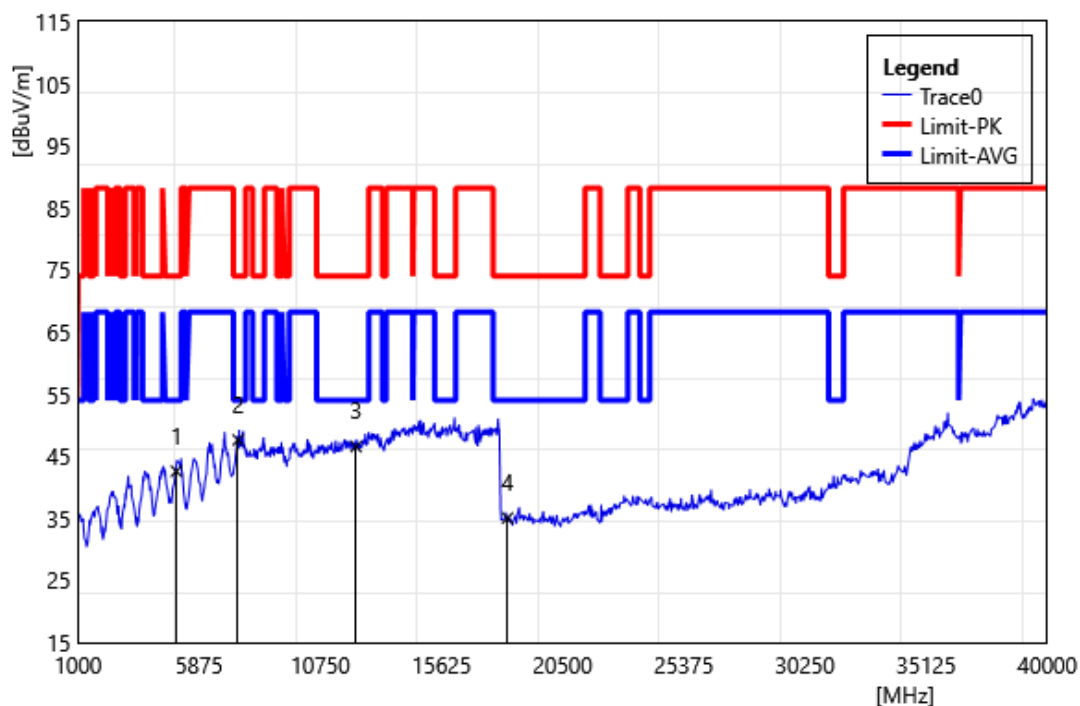
ID	Frequency MHz	Reading dBuV	Correct Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	4960.00	46.23	-4.42	41.81	74.00	-32.19	PEAK
2	7440.00	47.87	-0.86	47.01	74.00	-26.99	PEAK
3	12190.00	47.56	-1.18	46.38	74.00	-27.62	PEAK
4	18285.00	44.97	-9.69	35.28	74.00	-38.72	PEAK

Test Site:	96604-WG	Standard:	FCC Part 15.407
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	BT+ 6G		



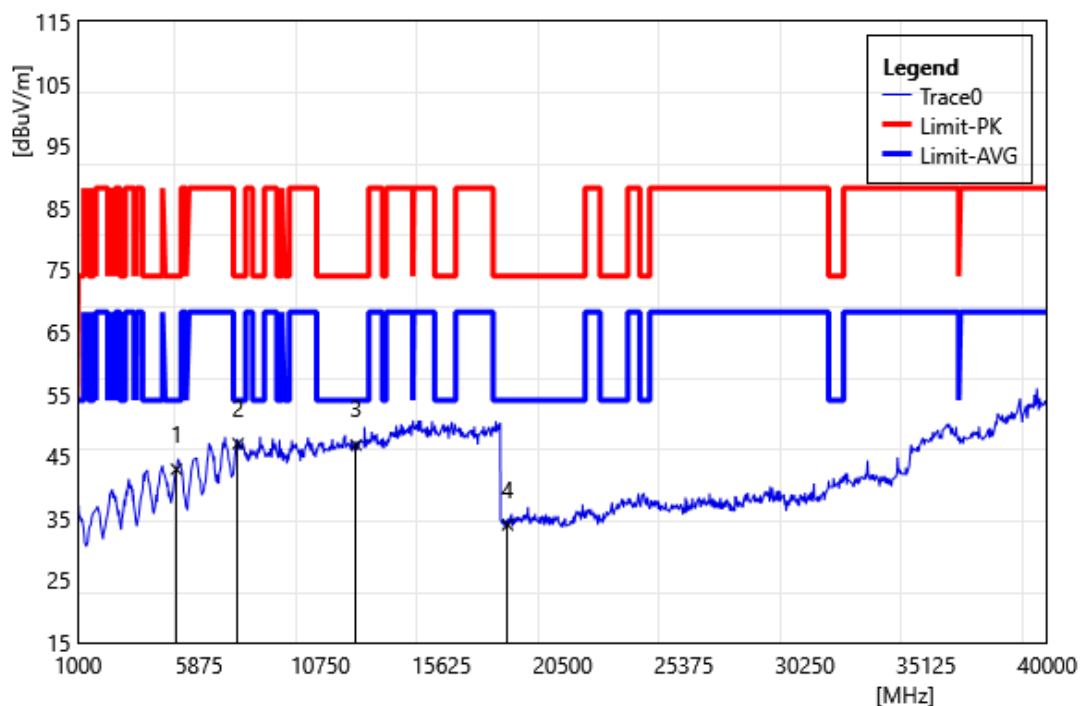
ID	Frequency MHz	Reading dBuV	Correct Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	4960.00	47.09	-4.42	42.67	74.00	-31.33	PEAK
2	7440.00	48.51	-0.86	47.65	74.00	-26.35	PEAK
3	12190.00	47.87	-1.18	46.69	74.00	-27.31	PEAK
4	18285.00	42.93	-9.69	33.24	74.00	-40.76	PEAK

Test Site:	96604-WG	Standard:	FCC Part 15.407
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	BLE+ 6G		



ID	Frequency MHz	Reading dBuV	Correct Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	4960.00	47.00	-4.42	42.58	74.00	-31.42	PEAK
2	7440.00	48.49	-0.86	47.63	74.00	-26.37	PEAK
3	12190.00	47.72	-1.18	46.54	74.00	-27.46	PEAK
4	18285.00	44.74	-9.69	35.05	74.00	-38.95	PEAK

Test Site:	96604-WG	Standard:	FCC Part 15.407
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	BLE+ 6G		



ID	Frequency MHz	Reading dBuV	Correct Factor dB	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	4960.00	47.32	-4.42	42.90	74.00	-31.10	PEAK
2	7440.00	47.90	-0.86	47.04	74.00	-26.96	PEAK
3	12190.00	47.99	-1.18	46.81	74.00	-27.19	PEAK
4	18285.00	43.64	-9.69	33.95	74.00	-40.05	PEAK

--- END---