

RF Test Report

Applicant : Getac Technology Corporation
Product Name : 5G/LTE data card
Trade Name : Getac
Model Number : FN990A28
Applicable Standard : FCC 47 CFR PART 22H
FCC 47 CFR PART 24E
FCC 47 CFR PART 27L
ANSI C63.26 2015

Received Date : May 07, 2025
Test Period : Jun. 24, 2025 ~ Jun. 25, 2025
Issued Date : Jul. 25, 2025

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
Bade test site :
Test Firm Registration Number: 226252
Test Firm Designation Number: TW0010
Wugu test site :
Test Firm Registration Number: 191812
Test Firm Designation Number: TW0034

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	Jul. 25, 2025	Initial Issue	Snow Wang

Verification of Compliance

Applicant : Getac Technology Corporation

Product Name : 5G/LTE data card

Trade Name : Getac

Model Number : FN990A28

FCC ID : QYLFN990U

Applicable Standard : FCC 47 CFR PART 22H
FCC 47 CFR PART 24E
FCC 47 CFR PART 27L
ANSI C63.26 2015

Test Result : Complied

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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

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Appendix A. Test Setup Photographs

1 General Information

1.1. Summary of Test Result

FCC Rule	Description	Result
§2.1046	Conducted Output Power	N/A (Note 1)
§22.913(a)(5)	Effective Radiated Power	N/A (Note 1)
§24.232(c) §27.50(d)(4)	Equivalent Isotropic Radiated Power	N/A (Note 1)
§24.232(d) §27.50 KDB 971168 D01 (5.7.1)	Peak to Average Power Ratio	N/A (Note 1)
§2.1049 §22.917(a) §24.238(a) §27.53(g)	Emission Bandwidth & Occupied Bandwidth	N/A (Note 1)
§2.1051 §22.917(a) §24.238(a) §27.53(h)	Band Edge Measurement	N/A (Note 1)
§2.1051 §22.917(a) §24.238(a) §27.53(h)	Conducted Spurious Emission	N/A (Note 1)
§2.1053 §22.917(a) §24.238(a) §27.53(h)	Field Strength of Spurious Radiation	Pass (Note 2)
§2.1055 §22.355 §24.235 §27.54	Frequency Stability for Temperature & Voltage	N/A (Note 1)

Note 1: No need for verification.

Note 2: Only verify the Simultaneous Transmission.

Decision Rule

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

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

Parameter	Uncertainty				
	96601-BD	96603-BD	96602-WG	96603-WG	96604-WG
Radiated Emission	4.7 dB	4.7 dB	4.7 dB	4.7 dB	4.7 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 Max. RF Output Powe, E.R.P. /E.I.R.P., Occupied Bandwidth, Emission Designator).

Applicant	Getac Technology Corporation 5F.,Building A,No.209,Sec.1 Nangang.,Rd., Taipei City, 11568, Taiwan			
Product Name	5G/LTE data card			
Trade Name	Getac			
Model Number	FN990A28			
FCC ID	QYLFN990U			
Host Information	Product Name: Tablet Trade Name: Getac Model Name: UX10, UX10G5, UX10G5AR, 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.)			
IMEI No.	352382410016006			
Mode	Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
WCDMA(RMC12.2K)	II	1852.4 ~ 1907.6	1932.4 ~ 1987.6	QPSK, BPSK
	V	826.4 ~ 846.6	871.4 ~ 891.6	QPSK, BPSK
	IV	1712.4 ~ 1752.6	2112.4 ~ 2152.6	QPSK, BPSK
Antenna information	Type		Max. Gain (dBi)	
	PIFA Antenan		WCDMA Band II	2.91
			WCDMA Band V	-0.20
			WCDMA Band IV	2.85
Operate Temp. Range	0 ~ 80 °C			
EUT Power Rating	3.3 Vdc			

Testing Sample No.	
Test Item	Sample Number
Radiation	C255064_A007

EUT Modify Description :

<p>Modify Description:</p> <ol style="list-style-type: none"> 1. Add host model: UX10, UX10G5, UX10G5AR, UX10Y, (Y= 10 characters, Y can be 0 to 9, A to Z, a to z, "/", "\", "-", "_" or blank for marketing purpose) 2. Adds new antennas that meet FCC Part 15 equivalent-type <p>After replacing the antenna, the Gain is smaller than the original antenna. After Our evaluation, the retest of Simultaneous Transmitter of Spurious Radiated are required. The other test data refer to the original report</p>

2.1. Mode of Operation

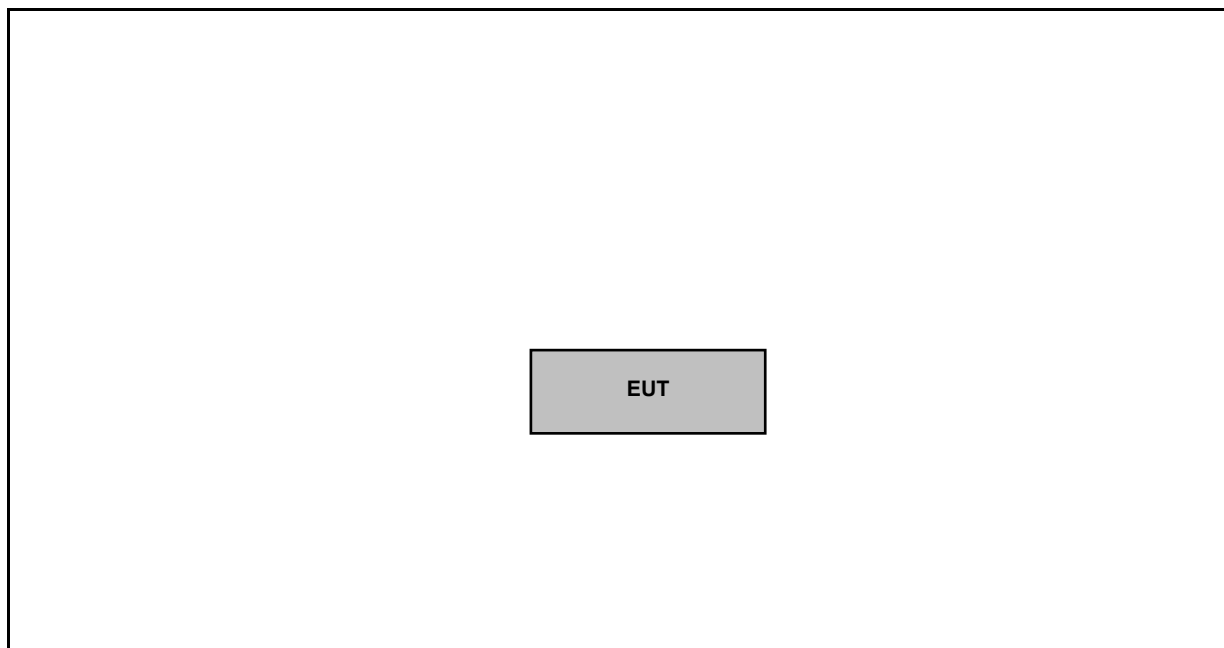
Eurofins has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Transmit Mode

2.2. EUT Test Step

1	Setup the EUT shown on "Configuration of Test System Details".
2	Turn on the power of all equipment.

2.3. Configuration of Test System Details



2.4. Test Instruments

For Radiated Emissions

Test Period: Jun. 24 ~ Jun. 25, 2025

Testing Engineer: Jason Yeh

Radiation test sites		Semi Anechoic Room 96603-WG				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	LOOP Antenna (9 kHz~30 MHz)	Schwarzbeck Mess-Elektronik	FMZB 1513-60	00031	Mar. 06, 2025	1 year
☒	Trilog Broadband Antenna (30 MHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	1276	Jan. 20, 2025	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	RF SPIN	DRH18-E	210307A18ES	Dec. 10, 2024	1 year
☒	Broadband Horn Antenna (15 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	BBHA9170	1133	Nov. 01, 2024	1 year
☒	Spectrum Analyzer (2 Hz~50 GHz)	KEYSIGHT	N9030B	MY57143537	Mar. 10, 2025	1 year
☒	Pre-Amplifier	EMCI	EMC001330	980859	Nov. 27, 2024	1 year
☒	Pre-Amplifier	EMCI	EMC118A45SE	980818	Dec. 12, 2024	1 year
☒	Pre-Amplifier	EMCI	EMC184045SE	980861	Dec. 18, 2024	1 year
☒	Coaxial Cable (9 kHz~1000 MHz)	EMCI	EMCCFD400-NM-NM-2000	211009	Oct. 24, 2024	1 year
☒	Coaxial Cable (9 kHz~1000 MHz)	EMCI	EMCCFD400-NM-NM-2000	211010	Oct. 24, 2024	1 year
☒	Coaxial Cable (9 kHz~1000 MHz)	EMCI	EMCCFD400-NM-NM-6000	211018	Oct. 24, 2024	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-1000	211029	Oct. 24, 2024	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-2000	211033	Oct. 24, 2024	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-8000	211038	Oct. 24, 2024	1 year
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-600	211211	Jan. 15, 2025	1 year
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-2000	211210	Jan. 15, 2025	1 year
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-6000	211209	Jan. 15, 2025	1 year
☒	Highpass Filter	Warison	WFIL-H3000-20000F	WR4BBFWC2B1	Oct. 24, 2024	1 year
☒	Highpass Filter	Warison	WFIL-H8000-26000F	001	Oct. 24, 2024	1 year
☒	Software	R_RAM	V1.3	N/A	N.C.R.	---

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

3 Measurement Procedure

3.1. Field Strength of Spurious Radiation Test

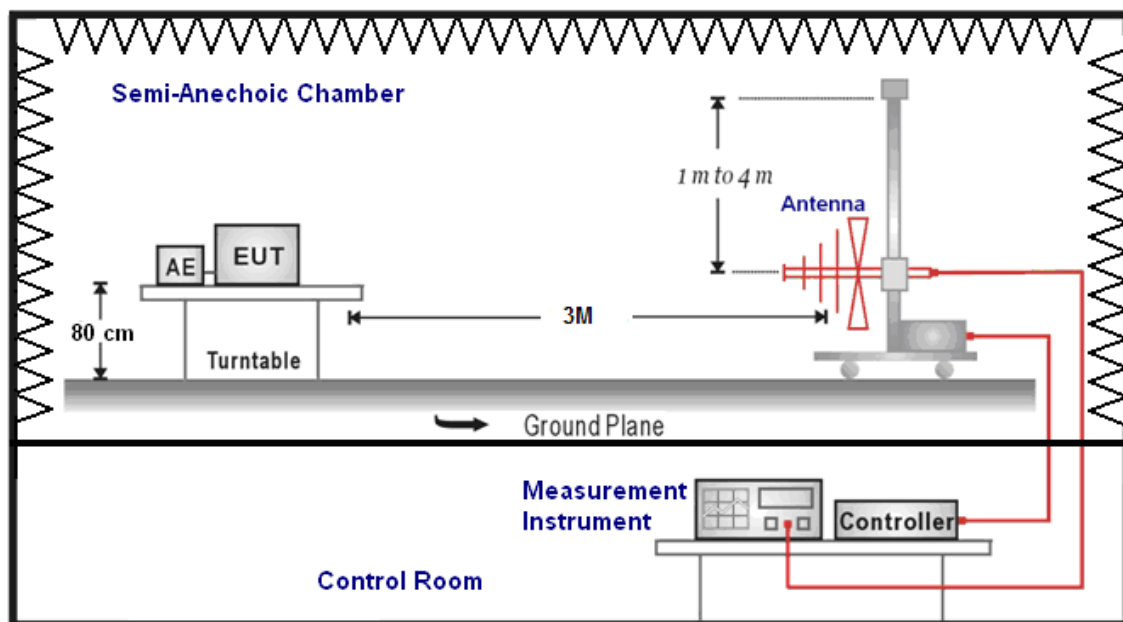
■ Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

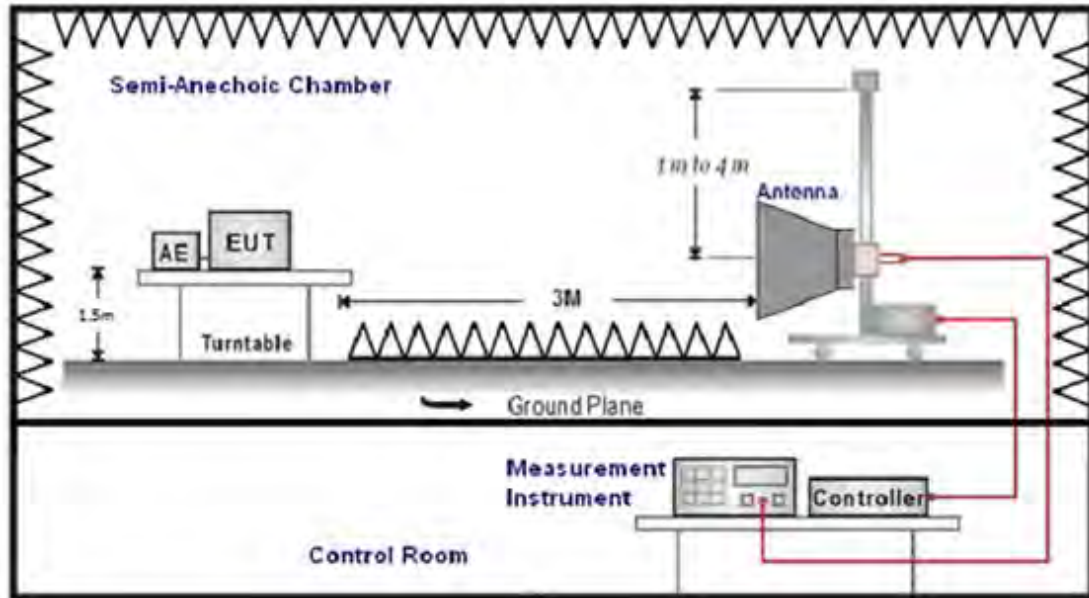
It is measured by means of a calibrated spectrum analyzer and scanned from 9 kHz up to a frequency including its 10th harmonic.

■ Setup

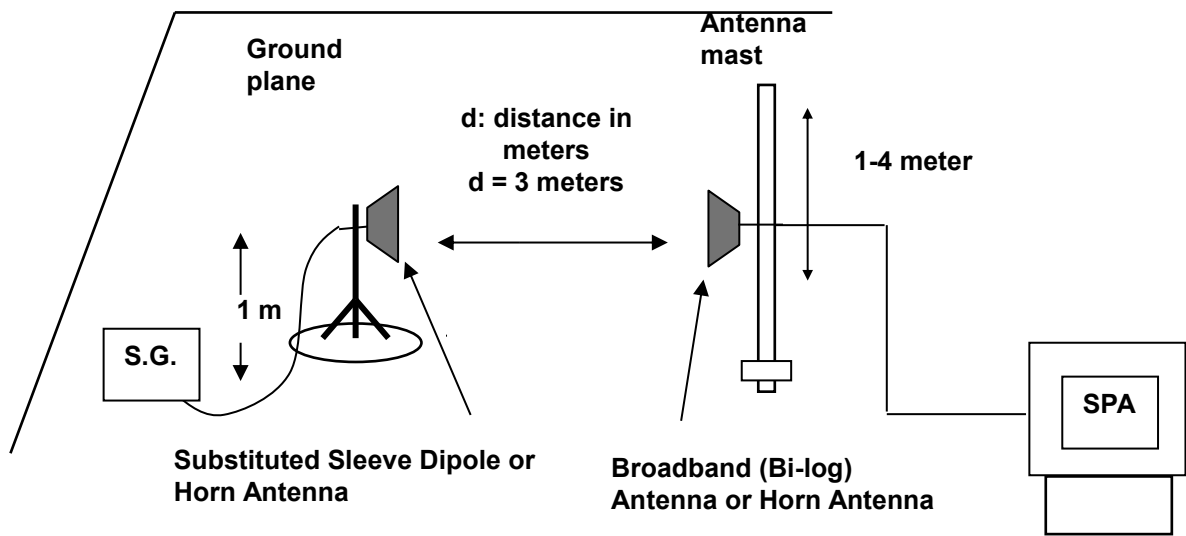
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



■ Test Procedure

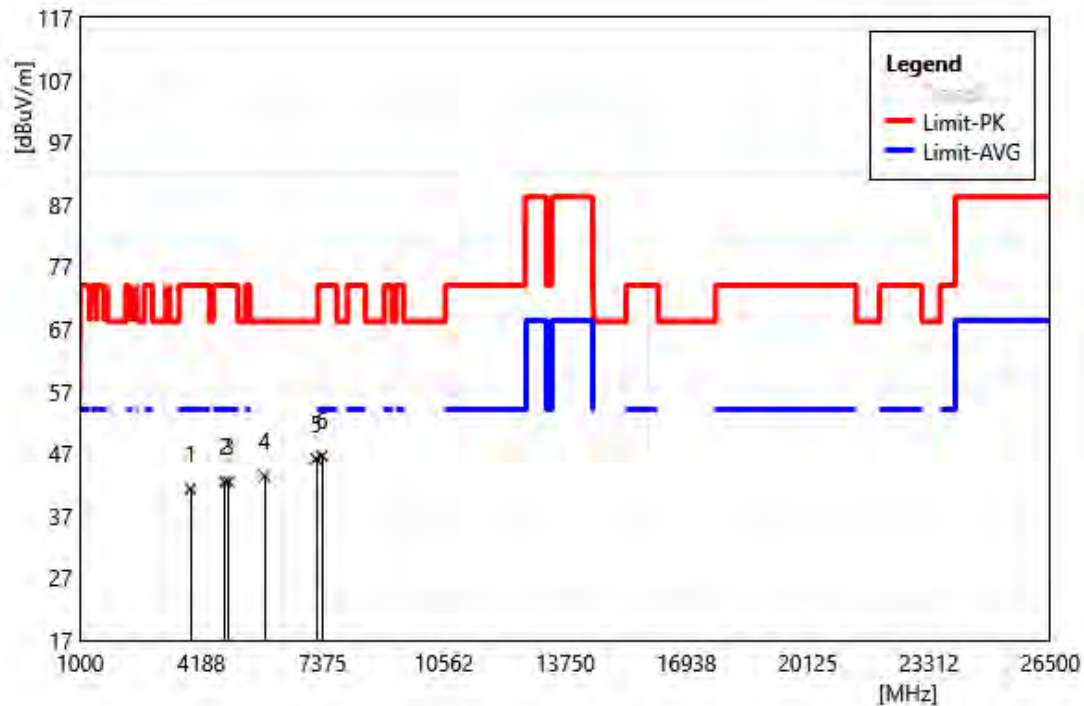
- a. The EUT was set up for the maximum power with WWAN link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range).
- b. E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (1.5 m for above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution antenna (Note:1 & 2) is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- d. E.I.R.P. = Output power level of S.G - TX cable loss + Antenna gain of substitution horn
- e. E.R.P. = E.I.R.P.- 2.15 dB
- f. Measurement range 9 kHz - 10 th Harmonic

Note: 1. Below 1 GHz Substituted Method Test : Sleeve dipole antenna to Bi-Log Antenna
2. Above 1 GHz Substituted Method Test : Horn antenna to Horn Antenna

4 Test Results

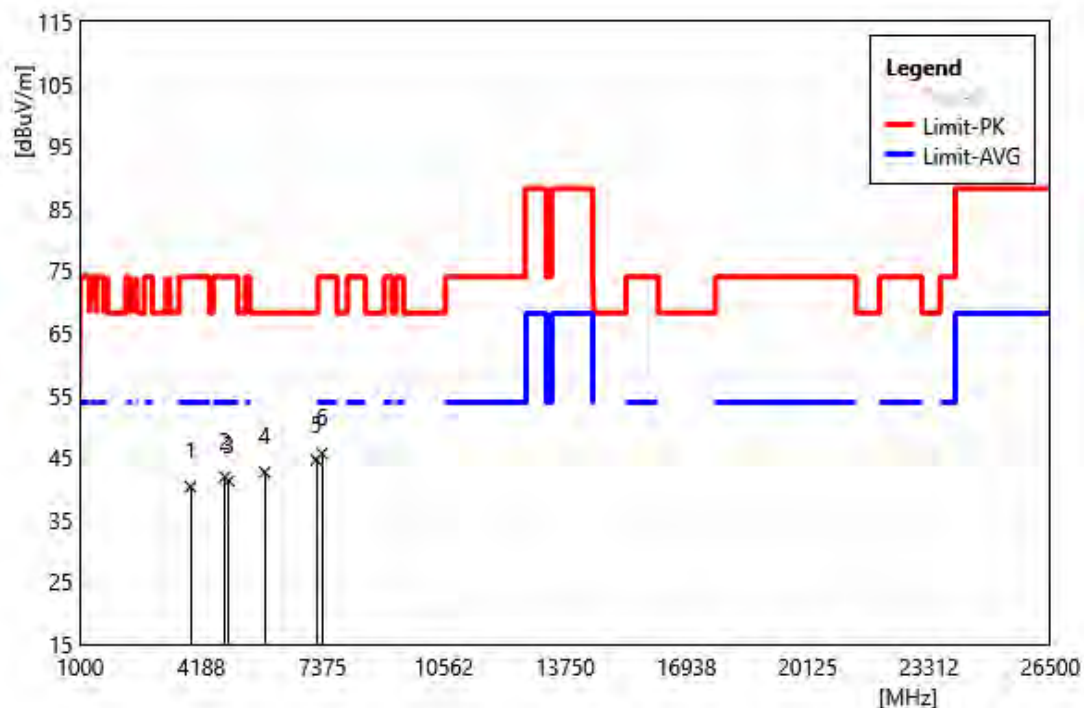
4.1. Field Strength of Spurious Radiation

Test Site:	96603 - WG	Standard:	Part 22/24/27
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	2.4G+BT+WCDMA		



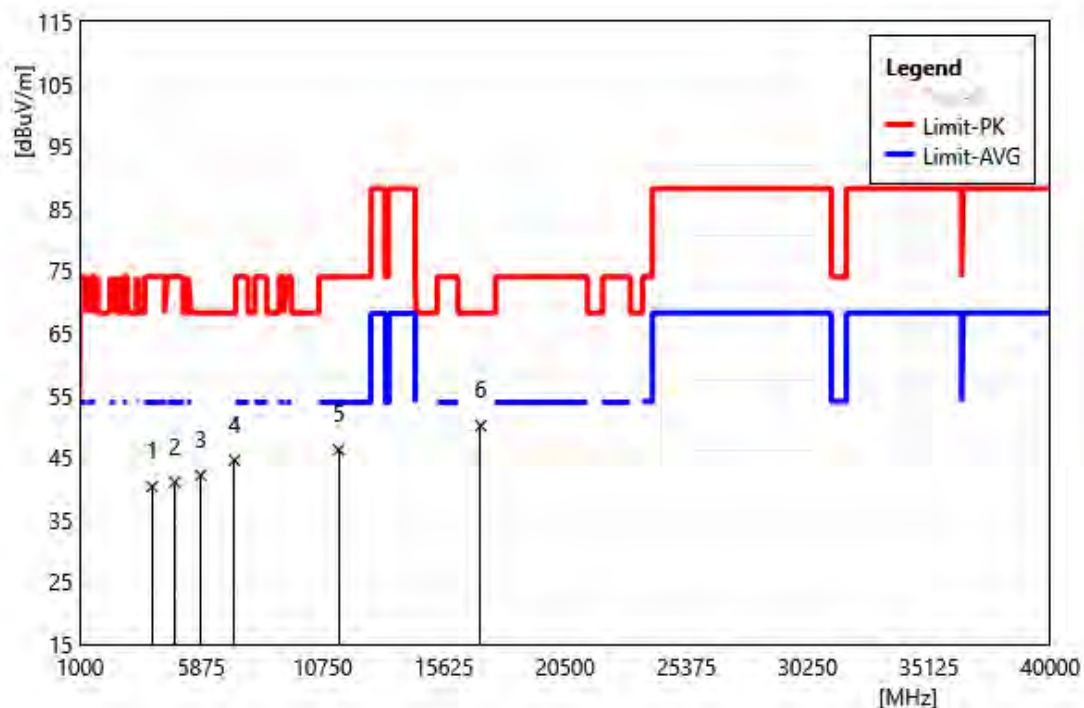
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3900.00	40.47	0.83	41.30	74.00	-32.70	PEAK
2	4804.00	39.99	2.46	42.45	74.00	-31.55	PEAK
3	4904.00	39.89	2.58	42.47	74.00	-31.53	PEAK
4	5850.00	39.07	4.31	43.38	68.20	-24.82	PEAK
5	7206.00	38.11	8.01	46.12	68.20	-22.08	PEAK
6	7356.00	38.68	7.92	46.60	74.00	-27.40	PEAK

Test Site:	96603 - WG	Standard:	Part 22/24/27
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	2.4G+BT+WCDMA		



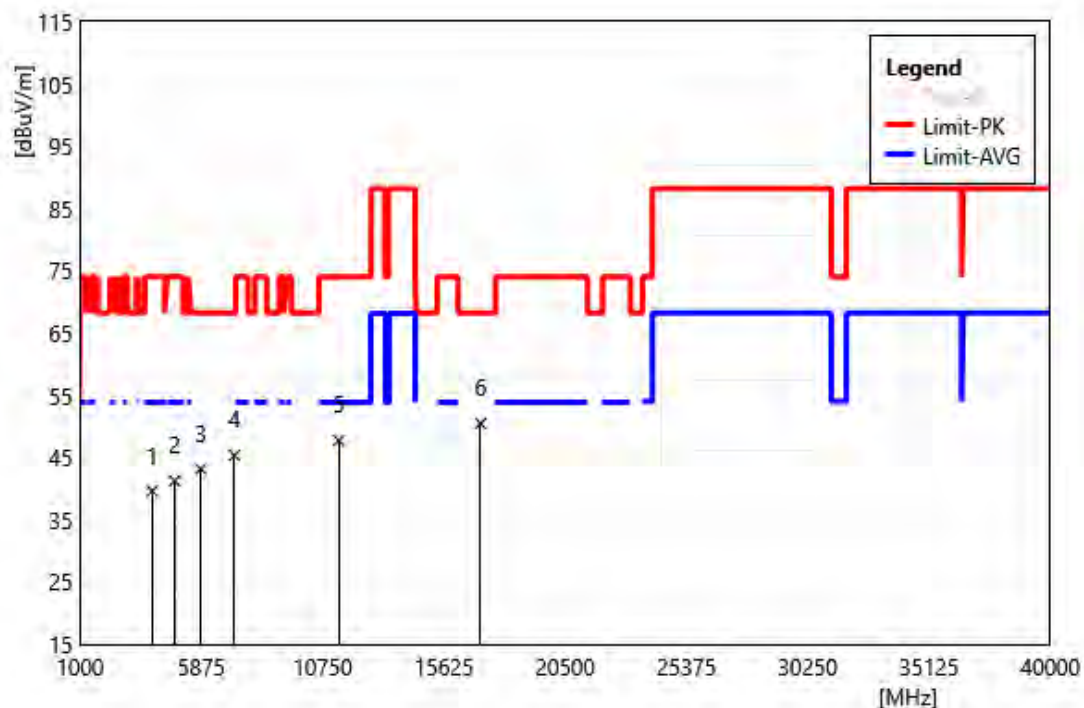
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3900.00	39.47	0.83	40.30	74.00	-33.70	PEAK
2	4804.00	39.43	2.46	41.89	74.00	-32.11	PEAK
3	4904.00	38.68	2.58	41.26	74.00	-32.74	PEAK
4	5850.00	38.34	4.31	42.65	68.20	-25.55	PEAK
5	7206.00	36.60	8.01	44.61	68.20	-23.59	PEAK
6	7356.00	37.73	7.92	45.65	74.00	-28.35	PEAK

Test Site:	96603 - WG	Standard:	Part 22/24/27
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	5G+BT+WCDMA		



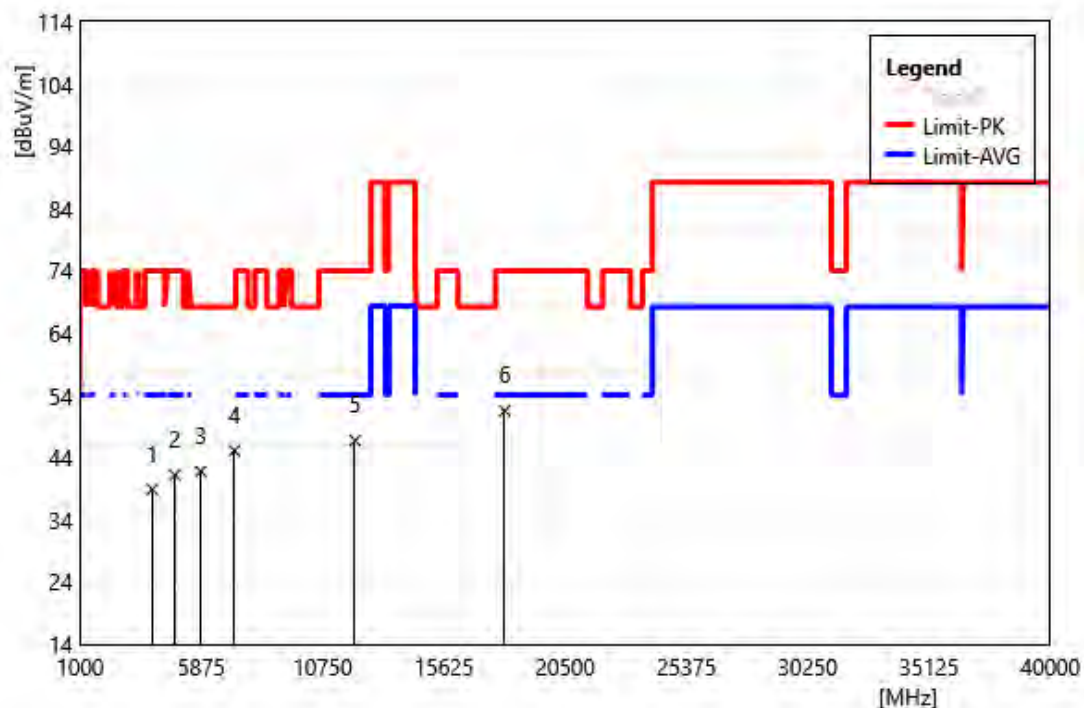
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3900.00	39.49	0.83	40.32	74.00	-33.68	PEAK
2	4804.00	38.57	2.46	41.03	74.00	-32.97	PEAK
3	5850.00	37.84	4.31	42.15	68.20	-26.05	PEAK
4	7206.00	36.57	8.01	44.58	68.20	-23.62	PEAK
5	11400.00	37.58	8.64	46.22	74.00	-27.78	PEAK
6	17100.00	42.37	7.74	50.11	68.20	-18.09	PEAK

Test Site:	96603 - WG	Standard:	Part 22/24/27
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	5G+BT+WCDMA		



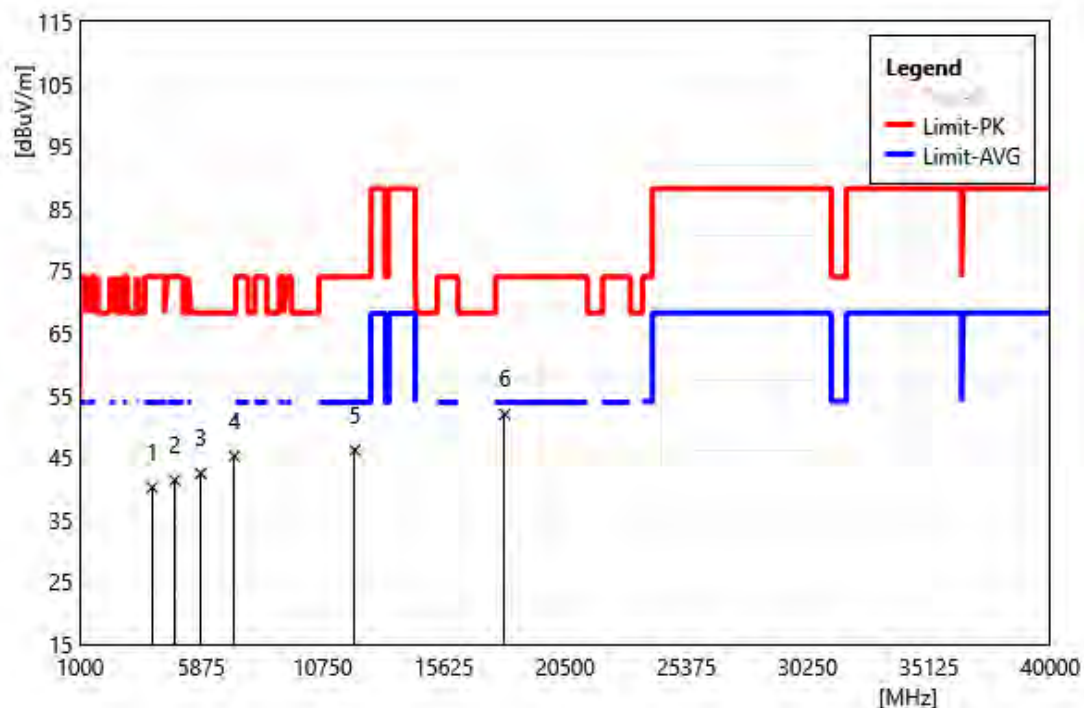
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3900.00	38.79	0.83	39.62	74.00	-34.38	PEAK
2	4804.00	38.80	2.46	41.26	74.00	-32.74	PEAK
3	5850.00	38.85	4.31	43.16	68.20	-25.04	PEAK
4	7206.00	37.35	8.01	45.36	68.20	-22.84	PEAK
5	11400.00	39.10	8.64	47.74	74.00	-26.26	PEAK
6	17100.00	42.74	7.74	50.48	68.20	-17.72	PEAK

Test Site:	96603 - WG	Standard:	Part 22/24/27
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	6G+BT+WCDMA		



ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3900.00	38.05	0.83	38.88	74.00	-35.12	PEAK
2	4804.00	38.68	2.46	41.14	74.00	-32.86	PEAK
3	5850.00	37.46	4.31	41.77	68.20	-26.43	PEAK
4	7206.00	37.08	8.01	45.09	68.20	-23.11	PEAK
5	12050.00	37.35	9.40	46.75	74.00	-27.25	PEAK
6	18075.00	43.42	8.06	51.48	74.00	-22.52	PEAK

Test Site:	96603 - WG	Standard:	Part 22/24/27
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	6G+BT+WCDMA		



ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	3900.00	39.36	0.83	40.19	74.00	-33.81	PEAK
2	4804.00	38.88	2.46	41.34	74.00	-32.66	PEAK
3	5850.00	38.13	4.31	42.44	68.20	-25.76	PEAK
4	7206.00	37.18	8.01	45.19	68.20	-23.01	PEAK
5	12050.00	36.79	9.40	46.19	74.00	-27.81	PEAK
6	18075.00	43.86	8.06	51.92	74.00	-22.08	PEAK

--- END---