

RF Test Report

Applicant : LITE-ON TECHNOLOGY CORP.
Product Name : WWAN module
Trade Name : Quectel
Model Number : EG91-NAXD
Applicable Standard : FCC 47 CFR PART 22H
FCC 47 CFR PART 24E
FCC 47 CFR PART 27
FCC 47 CFR PART 90S
ANSI C63.26 2015
Received Date : Jun. 17, 2023
Test Period : Jul. 11 ~ Jul. 20, 2023
Issued Date : Nov. 15, 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)
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	Oct. 20, 2023	Initial Issue	Snow Wang
01	Nov. 10, 2023	Update chapter 2.1 (P.9)	Snow Wang
02	Nov. 15, 2023	Update chapter 2 (P.8) Update chapter 4.1 (P.33~40)	Snow Wang

Verification of Compliance

Applicant : LITE-ON TECHNOLOGY CORP.

Product Name : WWAN module

Trade Name : Quectel

Model Number : EG91-NAXD

FCC ID : PPQ202008EG91NAXD

Applicable Standard : FCC 47 CFR PART 22H
 FCC 47 CFR PART 24E
 FCC 47 CFR PART 27
 FCC 47 CFR PART 90S
 ANSI C63.26 2015

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 : _____

TABLE OF CONTENTS

1	General Information	5
1.1.	Summary of Test Result.....	5
1.2.	Testing Location.....	6
1.3.	Measurement Uncertainty.....	6
1.4.	Test Site Environment.....	6
2	EUT Description	7
2.1.	Mode of Operation.....	9
2.2.	EUT Test Step.....	9
2.3.	Configuration of Test System Details.....	10
2.4.	Test Instruments.....	11
3	Measurement Procedure	13
3.1.	Radiated Emission Test.....	13
4	Test Results	15
4.1.	Radiated Emission :.....	15

Appendix A. Test Setup Photographs

1 General Information

1.1. Summary of Test Result

FCC Rule	Description	Result
§2.1046	Conducted Output Average Power	N/A (Note 1)
§22.913 §24.232 §27.50 §90.635	Equivalent Isotropic Radiated Power / Equivalent Radiated Power	N/A (Note 1)
§2.1055 §22.355 §24.235 §27.54	Frequency Stability	N/A (Note 1)
§2.1049	Emission Bandwidth & Occupied Bandwidth	N/A (Note 1)
§24.232 §27.50	Peak to average ratio	N/A (Note 1)
§2.1051 §22.917 §24.238 §27.53	Band Edge	N/A (Note 1)
§2.1051 §22.917 §24.238 §27.53	Conducted Spurious Emissions	N/A (Note 1)
§2.1053 §22.917 §24.238 §27.53 §90.691	Radiated Spurious Emissions	Pass (Note 2)

Note 1: No need for verification.

Note 2: Only verify the Transmitter Radiated Emissions of the Power worst case.

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 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

Parameter	Uncertainty			
	96601-BD	96603-BD	96602-WG	96603-WG
Radiated Emission	6.3 dB	6.3 dB	6.3 dB	6.3 dB

1.4. Test Site Environment

Items	Required (IEC 68-1)	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 E.R.P./E.I.R.P., Occupied Bandwidth, Emission Designator).

Applicant	LITE-ON TECHNOLOGY CORP. Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei City 23585, Taiwan, R.O.C.				
Product Name	WWAN module				
Trade Name	Quectel				
Model Number	EG91-NAXD				
FCC ID	PPQ202008EG91NAXD				
Host Information	Product Name: DC 30kW Wallbox gen2 Trade Name: Quectel Model Name: M2-UM188-ETK3ER, M2-UK188-ETK3ER (RFID) M2-UM188-ETK3EP, M2-UK188-ETK3EP (POS) Host difference description:				
	Host Models	M2-UM188-ETK3ER	M2-UM188-ETK3EP	M2-UK188-ETK3ER	M2-UK188-ETK3EP
	Output(Vdc)	CCS1:150-950 Vdc , 30kW CHAdEMO:150-500 Vdc , 30kW	CCS1:150-950 Vdc , 30kW CHAdEMO:150-500 Vdc , 30kW	CCS1:150-950 Vdc , 30kW	CCS1:150-950 Vdc , 30kW
	EV Protocol	CCS DIN70121 & ISO 15118 CHAdEMO v0.9 to V1.2	CCS DIN70121 & ISO 15118 CHAdEMO v0.9 to V1.2	CCS DIN70121 & ISO 15118	CCS DIN70121 & ISO 15118
	LTE module	v	v	v	v
	WiFi module	v	v	v	v
	RFID module	v	x	v	x
	POS module	x	v	x	v
IMEI No.	868032060187493				
Operate Band	Frequency Range (MHz)		Modulation		
LTE Band 2	UL: 1850 ~ 1910		QPSK, 16QAM		
	DL: 1930 ~ 1990		QPSK, 16QAM		
LTE Band 4	UL: 1710 ~ 1755		QPSK, 16QAM		
	DL: 2110 ~ 2155		QPSK, 16QAM		
LTE Band 5	UL: 824 ~ 849		QPSK, 16QAM		
	DL: 869 ~ 894		QPSK, 16QAM		
LTE Band 12	UL: 699 ~ 716		QPSK, 16QAM		
	DL: 729 ~ 746		QPSK, 16QAM		

Operate Band	Frequency Range (MHz)	Modulation	
LTE Band 13	UL: 777 ~ 787	QPSK, 16QAM	
	DL: 746 ~ 756	QPSK, 16QAM	
LTE Band 25	UL: 1850 ~ 1915	QPSK, 16QAM	
	DL: 1930 ~ 1995	QPSK, 16QAM	
LTE Band 26(Part 22)	UL: 824 ~ 849	QPSK, 16QAM	
	DL: 869 ~ 894	QPSK, 16QAM	
LTE Band 26(Part 90S)	UL: 814 ~ 824	QPSK, 16QAM	
	DL: 859 ~ 869	QPSK, 16QAM	
Antenna information	Type	Max. Gain (dBi)	
	PCB Antenna (*)	LTE Band 2	2.9
		LTE Band 4	1.51
		LTE Band 5	2.31
		LTE Band 12	2.41
		LTE Band 13	0.89
		LTE Band 25	3.09
		LTE Band 26(Part 22)	2.31
		LTE Band 26(Part 90S)	1.84
(*)Add Antenna			
Operate Temp. Range	-35 ~ +75 °C		
EUT Power Rating	3.8 Vdc (3.3 V~4.3 V)		

EUT Modify Description :

<p>Modify Description:</p> <p>This report is prepared for FCC class II permissive change. The difference compared with original report are adding host and antenna. After the evaluation, retest of all test items is not required. Only test Transmitter Radiated Emissions, other test data refer to the original report.</p> <p>Add Antenna Add Host Main model: M2-UM188-ETK3ER(RFID), M2UM188-ETK3EP(POS) Add Host Series model: M2-UK188-ETK3ER(RFID), M2-UK188-ETK3EP(POS).</p>
--

2.1. 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
LTE Band 2	V
LTE Band 4	V
LTE Band 5	V
LTE Band 12	V
LTE Band 13	V
LTE Band 25	V
LTE Band 26 (10 MHz)	V
LTE Band 26 (15 MHz)	V

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

Note 1 : Investigation has been done on all the possible configurations for searching the worst cases.

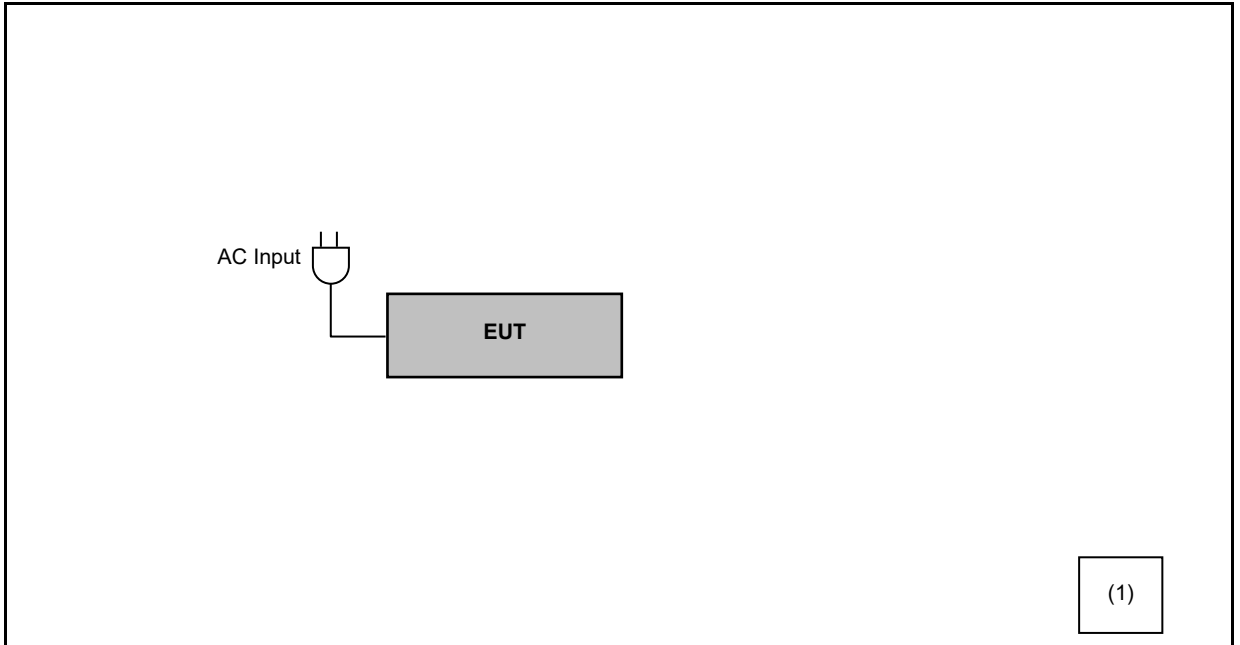
The table is a list of the test modes show in this test report.

Note 2 : The co-location test was evaluation with other RF function, and also test in worse case.

2.2. EUT Test Step

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

2.3. Configuration of Test System Details



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Wideband Radio Communication Tester	R&S	CMW500	170768	---

2.4. Test Instruments

For Radiated Emissions
Test Period: Jul. 11 ~ Jul. 20, 2023
Testing Engineer: Jason Yeh

Radiation test sites		Semi Anechoic Room 96603-WG				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
<input checked="" type="checkbox"/>	LOOP Antenna (9 kHz~30 MHz)	Schwarzbeck Mess-Elektronik	FMZB 1513-60	00031	Feb. 21, 2023	1 year
<input checked="" type="checkbox"/>	Trilog Broadband Antenna (30 MHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	1276	Feb. 09, 2023	1 year
<input checked="" type="checkbox"/>	Broadband Horn Antenna (1 GHz~18 GHz)	RF SPIN	DRH18-E	210307A18ES	Dec. 22, 2022	1 year
<input checked="" type="checkbox"/>	Broadband Horn Antenna (15 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	BBHA9170	1133	Feb. 13, 2023	1 year
<input checked="" type="checkbox"/>	Spectrum Analyzer (2 Hz~50 GHz)	KEYSIGHT	N9030B	MY57153537	Apr. 18, 2023	1 year
<input checked="" type="checkbox"/>	Pre-Amplifier	EMCI	EMC001330	980859	Nov. 01, 2022	1 year
<input checked="" type="checkbox"/>	Pre-Amplifier	EMCI	EMC118A45SE	980818	Dec. 15, 2022	1 year
<input checked="" type="checkbox"/>	Pre-Amplifier	EMCI	EMC184045SE	980861	Dec. 15, 2022	1 year
<input checked="" type="checkbox"/>	Coaxial Cable (10 kHz~3000 MHz)	EMCI	EMCCFD400-NM-NM-2000	211009	Dec. 28, 2022	1 year
<input checked="" type="checkbox"/>	Coaxial Cable (10 kHz~3000 MHz)	EMCI	EMCCFD400-NM-NM-2000	211010	Dec. 28, 2022	1 year
<input checked="" type="checkbox"/>	Coaxial Cable (10 kHz~3000 MHz)	EMCI	EMCCFD400-NM-NM-6000	211018	Dec. 28, 2022	1 year
<input checked="" type="checkbox"/>	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-1000	211029	Dec. 28, 2022	1 year
<input checked="" type="checkbox"/>	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-2000	211033	Dec. 28, 2022	1 year
<input checked="" type="checkbox"/>	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-8000	211038	Dec. 28, 2022	1 year

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

For Radiated Emissions
 Test Period: Jul. 11 ~ Jul. 20, 2023
 Testing Engineer: Jason Yeh

Radiation test sites		Semi Anechoic Room 96603-WG				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
<input checked="" type="checkbox"/>	Coaxial Cable (18GHz~40GHz)	EMCI	EMC101G-KM- KM-600	211211	Jan. 17, 2023	1 year
<input checked="" type="checkbox"/>	Coaxial Cable (18GHz~40GHz)	EMCI	EMC101G-KM- KM-2000	211210	Jan. 17, 2023	1 year
<input checked="" type="checkbox"/>	Coaxial Cable (18GHz~40GHz)	EMCI	EMC101G-KM- KM-6000	211209	Jan. 17, 2023	1 year
<input checked="" type="checkbox"/>	Highpass Filter	Warison	ST115-9796	001	Dec. 02, 2022	1 year
<input checked="" type="checkbox"/>	Highpass Filter	Warison	WFIL-H3000- 20000F	WR4BBFWC2B1	Dec. 02, 2022	1 year
<input checked="" type="checkbox"/>	Highpass Filter	Warison	WFIL-H8000- 26000F	001	Dec. 02, 2022	1 year
<input checked="" type="checkbox"/>	Wideband Radio Communication Tester	ROHDE & SCHWARZ	CMW 500	170768	Nov. 30, 2022	1 year
<input checked="" type="checkbox"/>	Software	R_RAM	V1.3	N/A	N.C.R.	---

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

3 Measurement Procedure

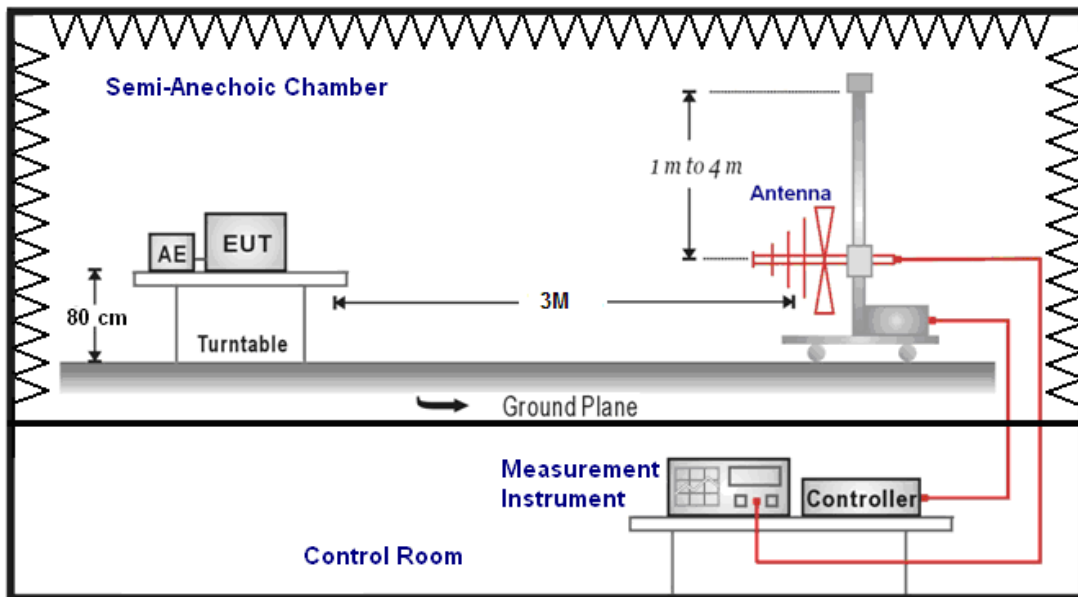
3.1. Radiated Emission Test

■ **Limit**

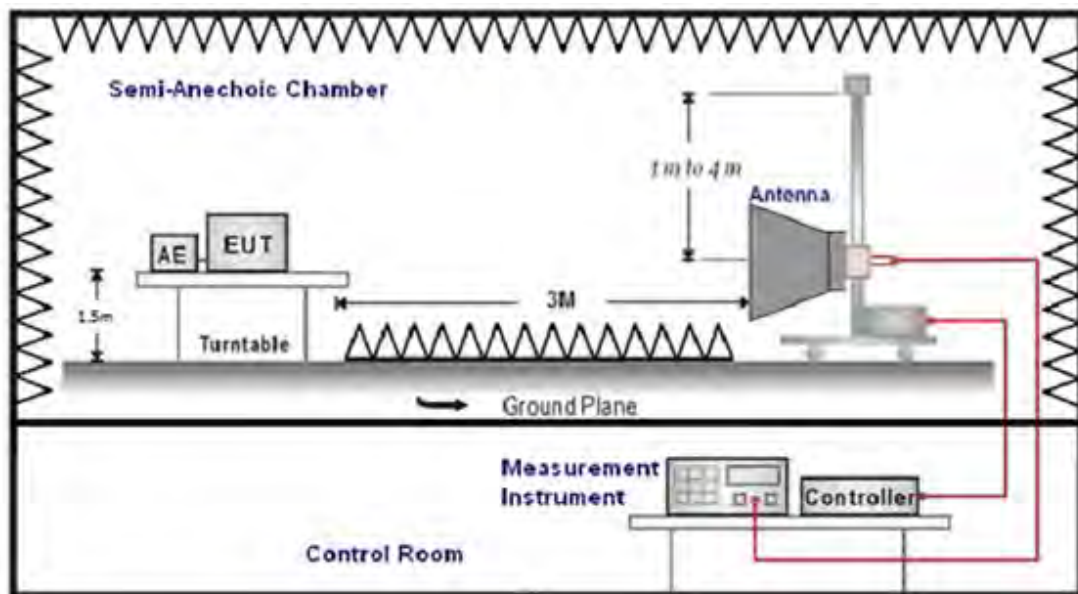
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13 dBm

■ **Setup**

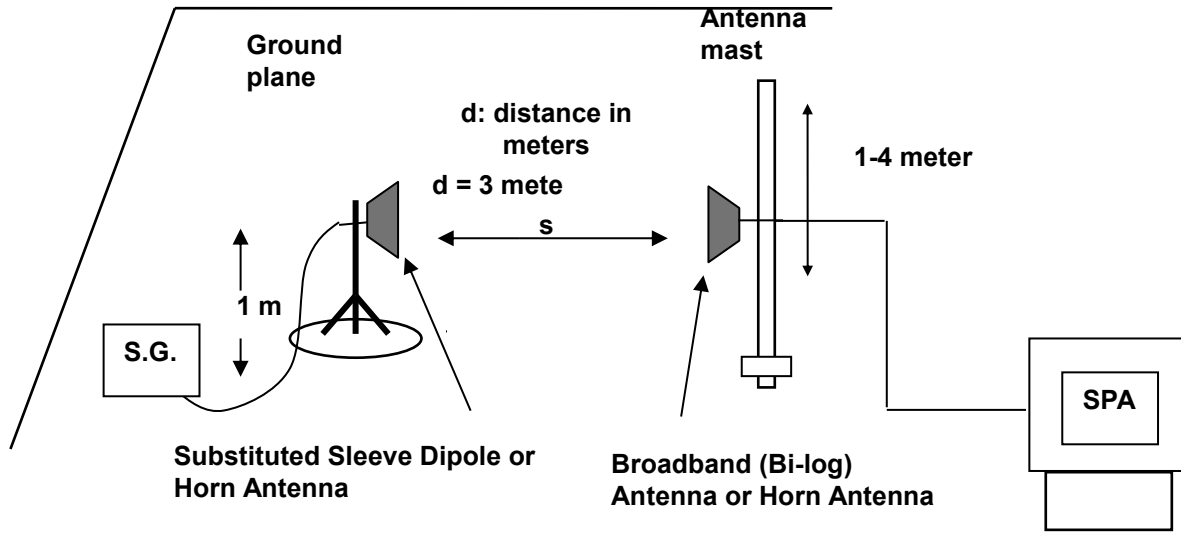
Below 1 GHz



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. Radiation Emission 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

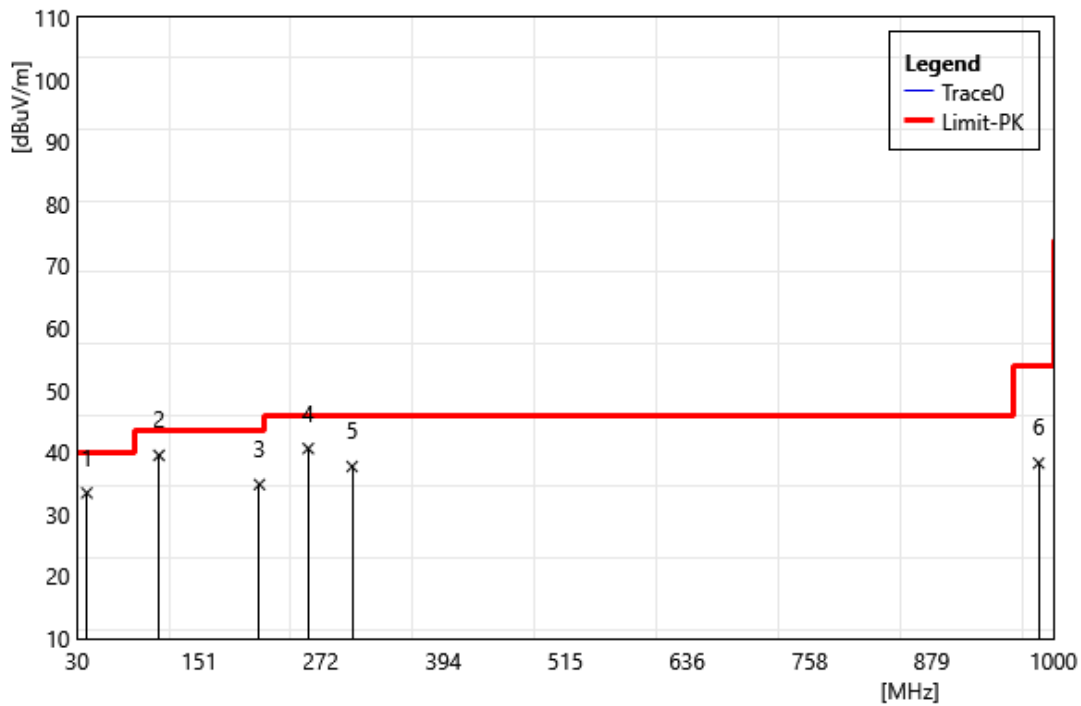
Note: 1. Below 1 GHz Substituted Method Test : Sleeve dipole antenna to Bi-Log Antenna

2. Above 1 GHz Substituted Method Test : Horn antenna to Horn Antenna

4 Test Results

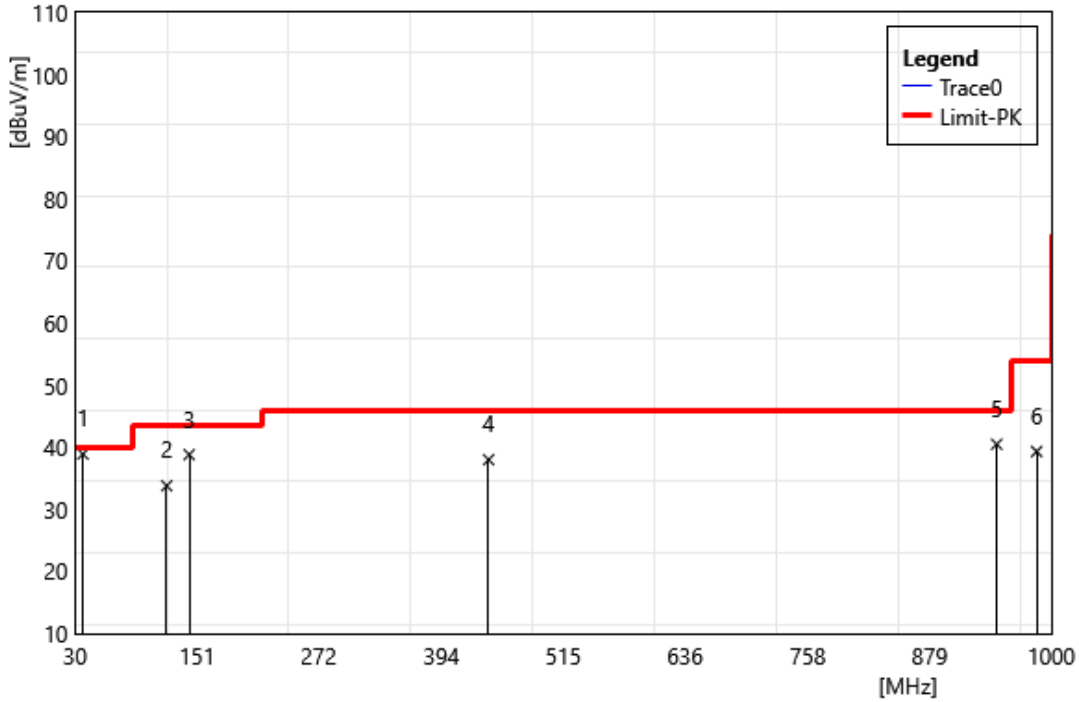
4.1. Radiated Emission :

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	Transmit mode		
Polarization:	Horizontal		
ReMark:			



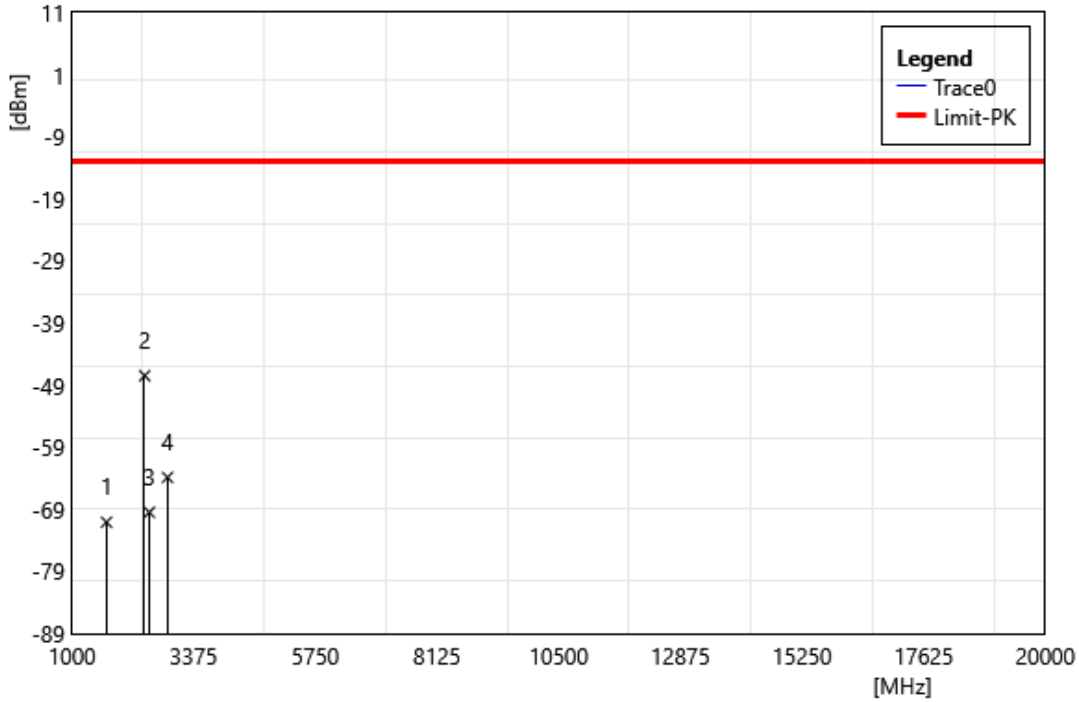
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	ReMark
1	39.69	45.68	-12.24	33.44	40.00	-6.56	PEAK
2	111.40	54.61	-15.11	39.50	43.50	-4.00	QP
3	211.21	49.52	-14.72	34.80	43.50	-8.70	QP
4	259.66	53.40	-12.80	40.60	46.00	-5.40	QP
5	303.27	49.46	-11.76	37.70	46.00	-8.30	QP
6	985.46	38.53	-0.28	38.25	54.00	-15.75	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	Transmit mode		
Polarization:	Vertical		
ReMark:			



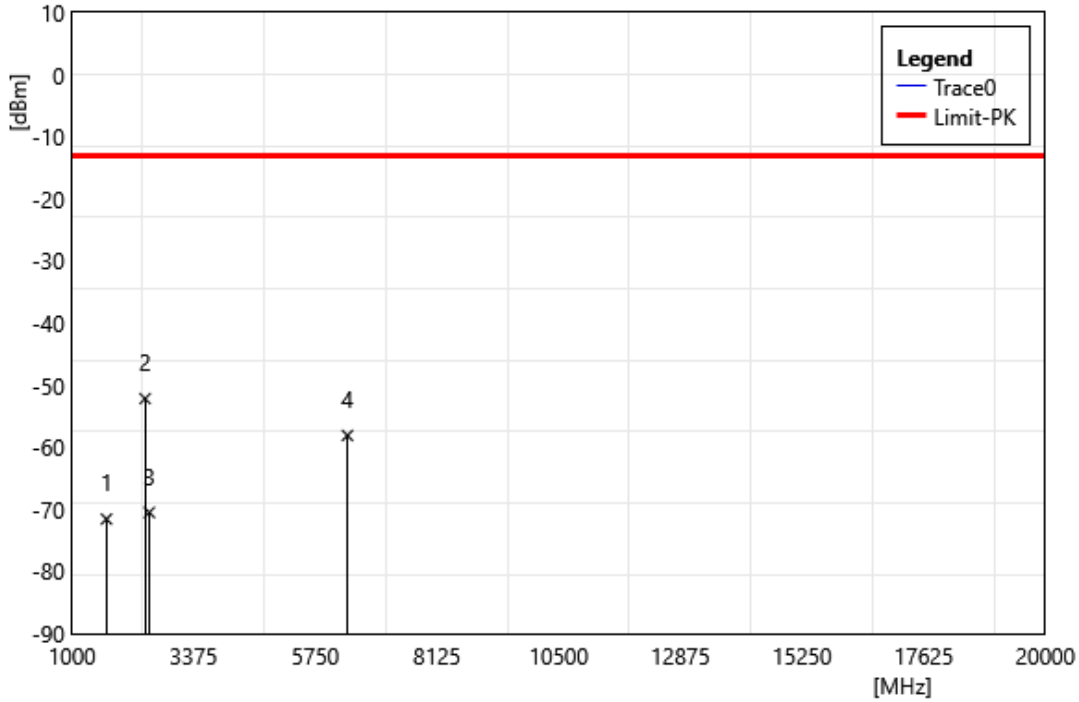
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	ReMark
1	37.75	51.67	-12.77	38.90	40.00	-1.10	QP
2	121.09	47.99	-14.19	33.80	43.50	-9.70	QP
3	143.38	50.73	-11.93	38.80	43.50	-4.70	QP
4	440.87	45.76	-7.76	38.00	46.00	-8.00	QP
5	945.73	40.33	0.16	40.49	46.00	-5.51	PEAK
6	985.46	39.59	-0.28	39.31	54.00	-14.69	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 5		
Polarization:	Horizontal		
ReMark:			



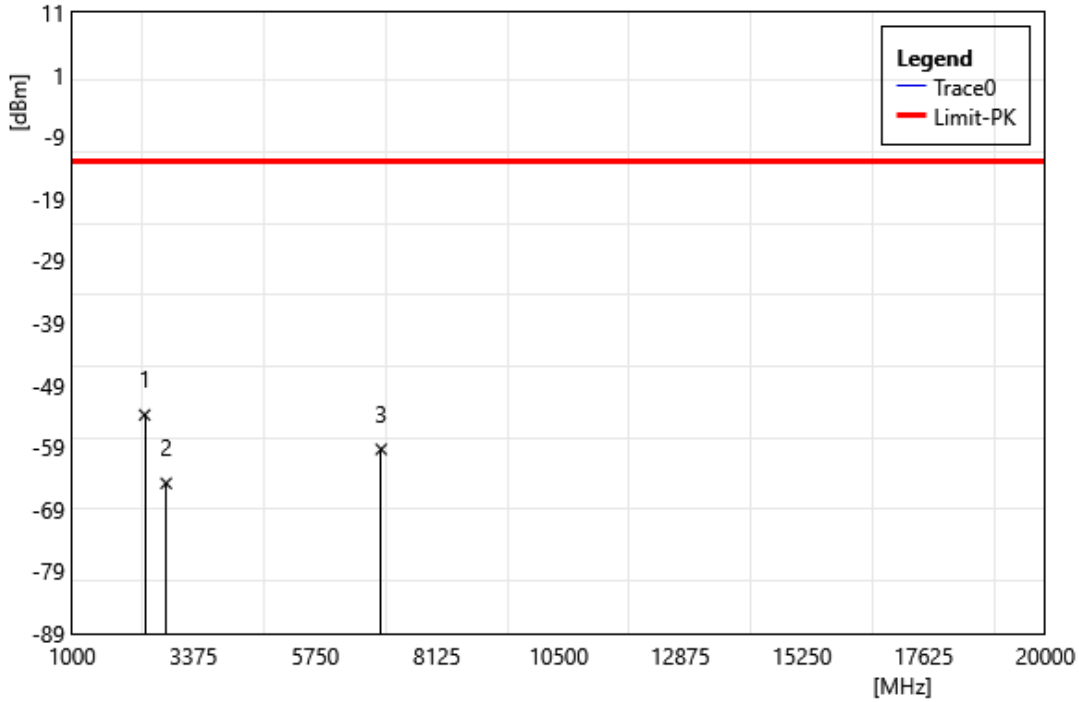
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	1673.00	-63.39	-7.68	-71.07	-13.00	-58.07	PEAK
2	2418.95	-42.36	-5.12	-47.48	-13.00	-34.48	PEAK
3	2509.50	-64.59	-4.89	-69.48	-13.00	-56.48	PEAK
4	2865.52	-60.44	-3.41	-63.85	-13.00	-50.85	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 5		
Polarization:	Vertical		
ReMark:			



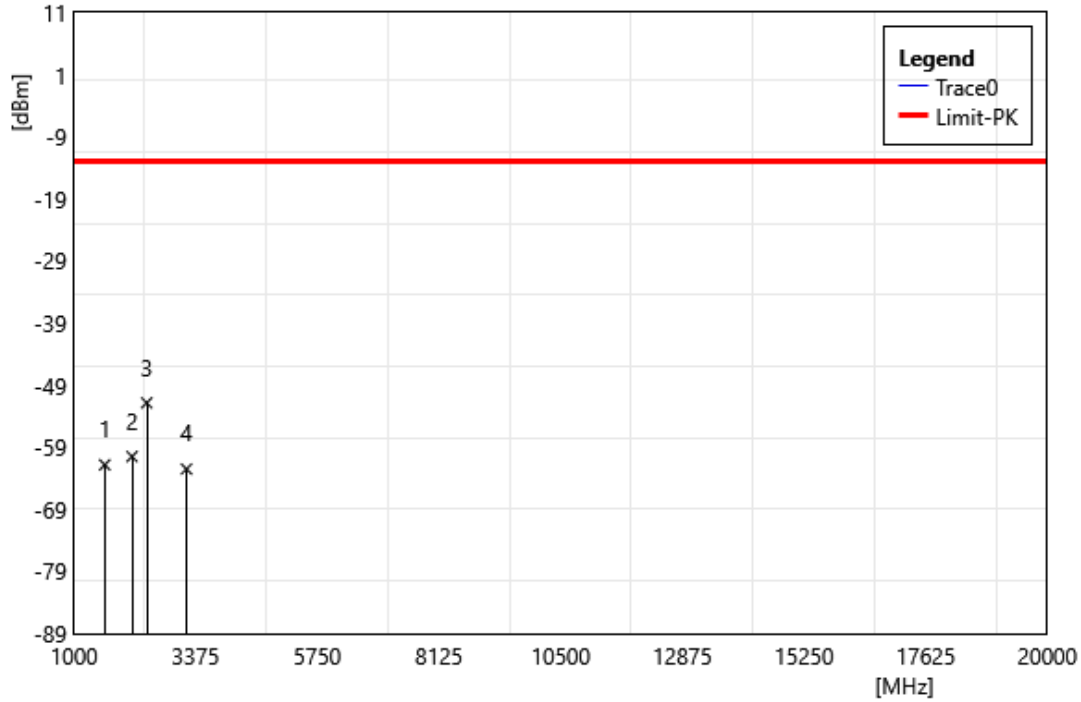
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	1673.00	-63.89	-7.68	-71.57	-13.00	-58.57	PEAK
2	2426.57	-47.03	-5.13	-52.16	-13.00	-39.16	PEAK
3	2509.50	-65.61	-4.89	-70.50	-13.00	-57.50	PEAK
4	6377.62	-63.74	5.63	-58.11	-13.00	-45.11	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 26		
Polarization:	Horizontal		
ReMark:	15MHz		



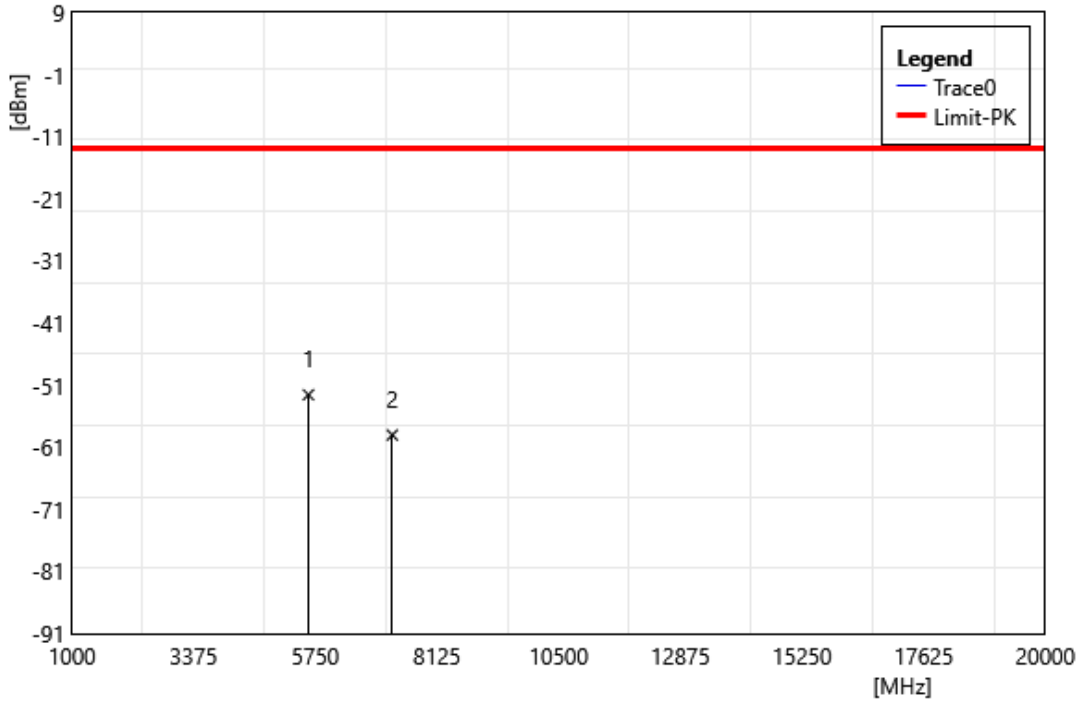
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	2419.58	-48.68	-5.12	-53.80	-13.00	-40.80	PEAK
2	2839.16	-61.35	-3.45	-64.80	-13.00	-51.80	PEAK
3	7034.97	-65.78	6.45	-59.33	-13.00	-46.33	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 26		
Polarization:	Vertical		
ReMark:	15MHz		



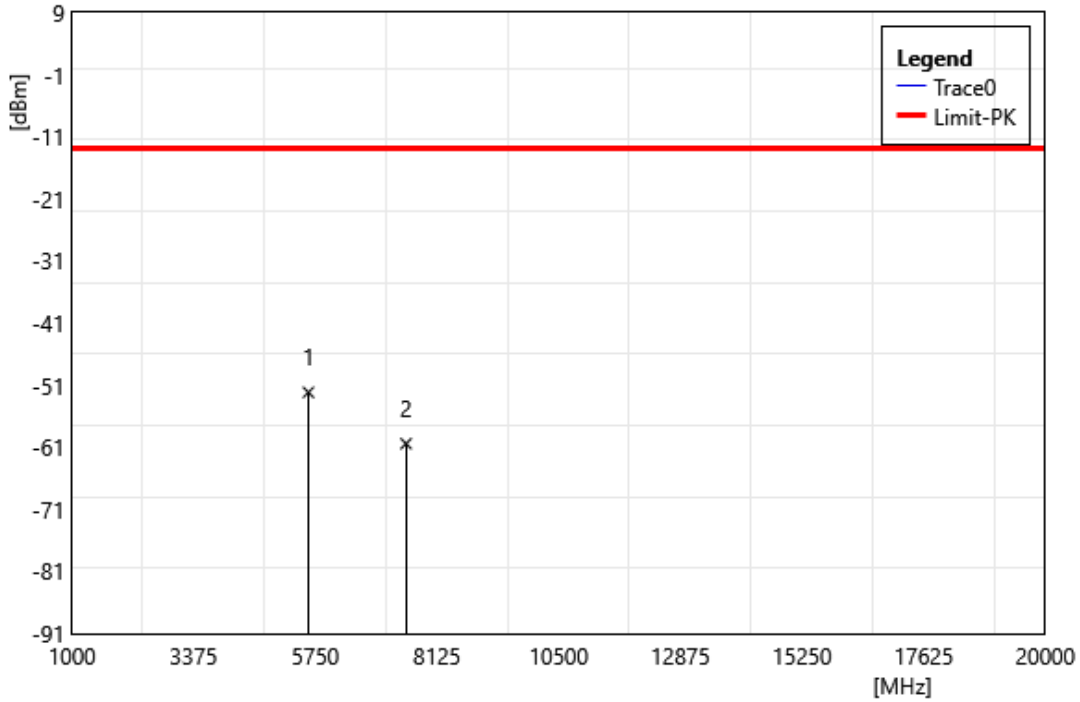
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	1601.40	-54.18	-7.65	-61.83	-13.00	-48.83	PEAK
2	2132.87	-55.03	-5.46	-60.49	-13.00	-47.49	PEAK
3	2419.58	-46.73	-5.12	-51.85	-13.00	-38.85	PEAK
4	3195.80	-59.58	-2.92	-62.50	-13.00	-49.50	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 2		
Polarization:	Horizontal		
ReMark:			



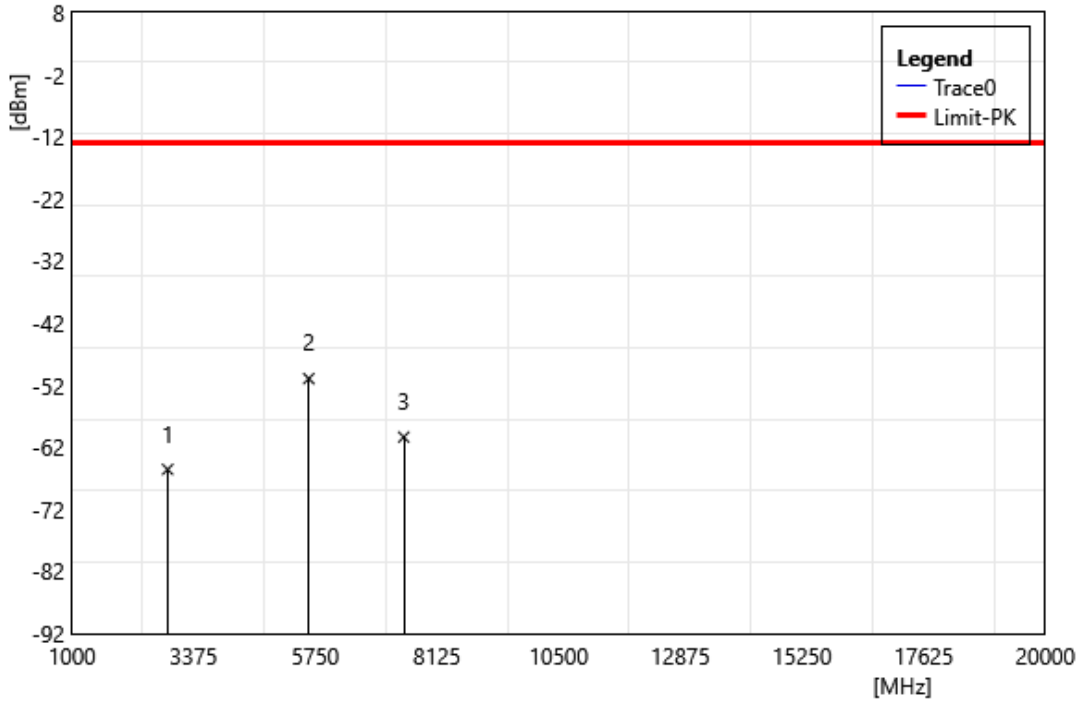
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	5615.38	-54.98	2.43	-52.55	-13.00	-39.55	PEAK
2	7251.75	-65.56	6.53	-59.03	-13.00	-46.03	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 2		
Polarization:	Vertical		
ReMark:			



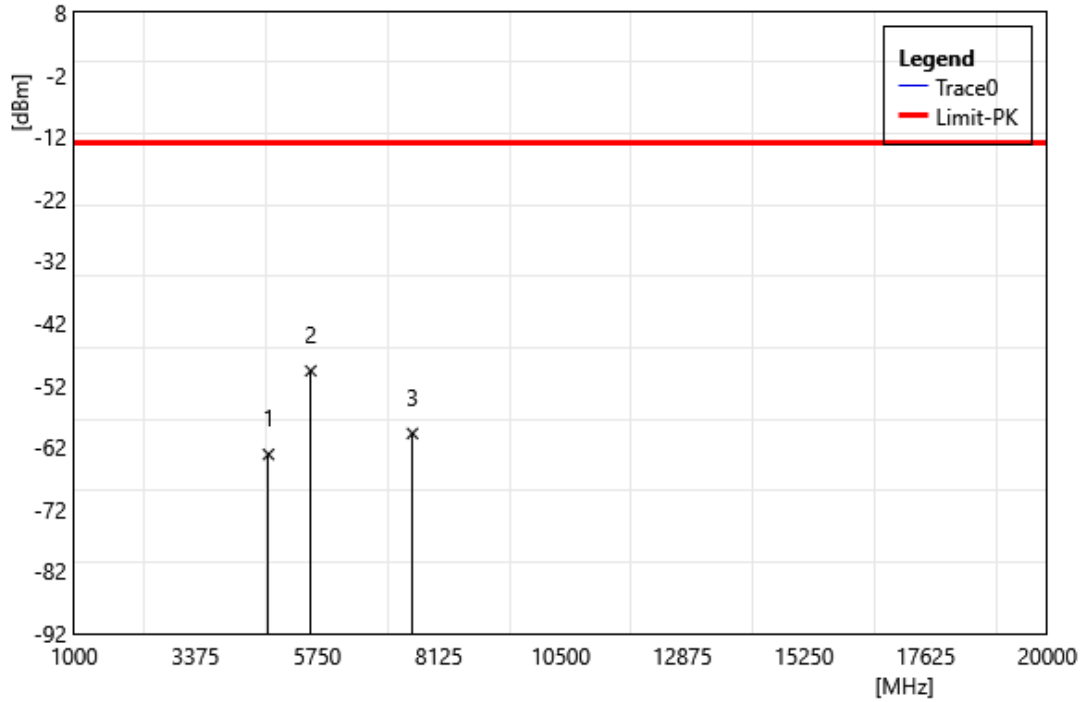
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	5615.38	-54.59	2.43	-52.16	-13.00	-39.16	PEAK
2	7520.00	-67.20	6.77	-60.43	-13.00	-47.43	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 25		
Polarization:	Horizontal		
ReMark:			



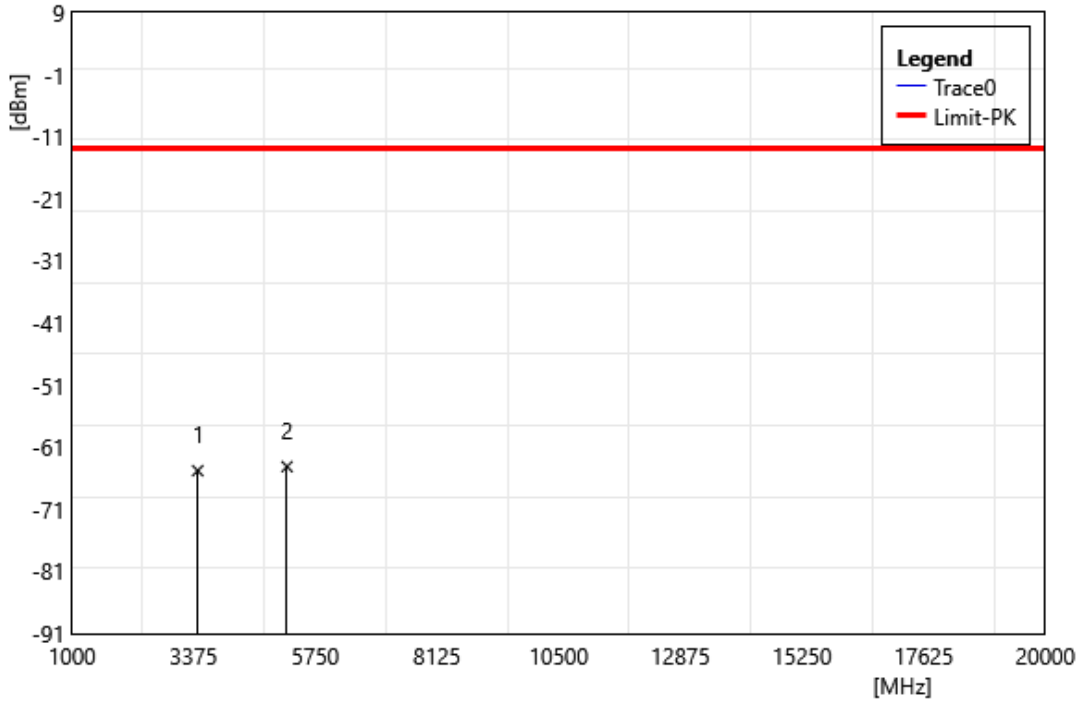
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	2867.13	-62.15	-3.41	-65.56	-13.00	-52.56	PEAK
2	5622.38	-53.39	2.44	-50.95	-13.00	-37.95	PEAK
3	7475.52	-67.10	6.75	-60.35	-13.00	-47.35	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 25		
Polarization:	Vertical		
ReMark:			



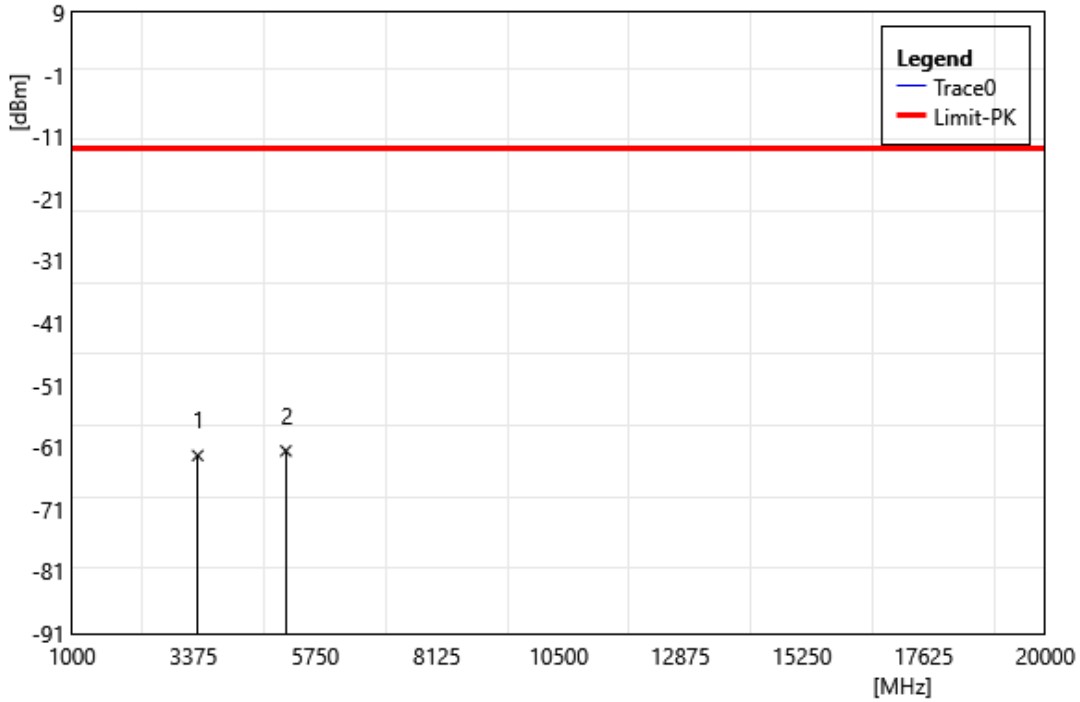
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	4797.20	-64.34	1.19	-63.15	-13.00	-50.15	PEAK
2	5622.38	-52.14	2.44	-49.70	-13.00	-36.70	PEAK
3	7608.39	-66.54	6.75	-59.79	-13.00	-46.79	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 4		
Polarization:	Horizontal		
ReMark:			



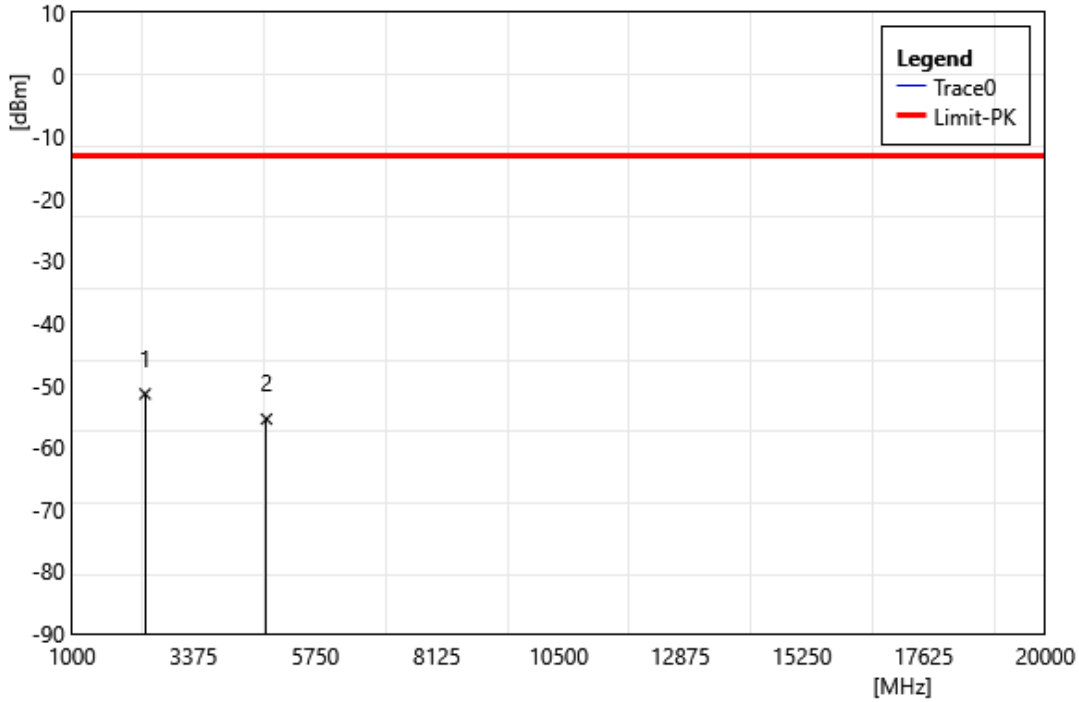
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	3465.00	-62.87	-1.91	-64.78	-13.00	-51.78	PEAK
2	5197.50	-65.90	1.78	-64.12	-13.00	-51.12	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 4		
Polarization:	Vertical		
ReMark:			



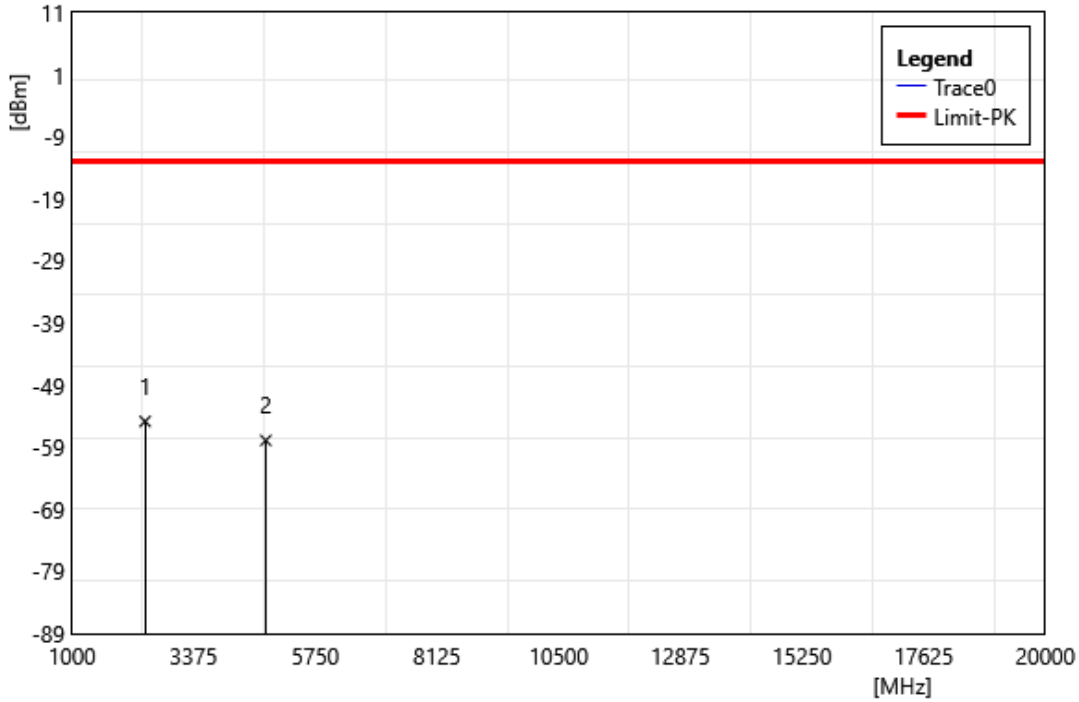
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	3465.00	-60.41	-1.91	-62.32	-13.00	-49.32	PEAK
2	5197.50	-63.30	1.72	-61.58	-13.00	-48.58	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 12		
Polarization:	Horizontal		
ReMark:			



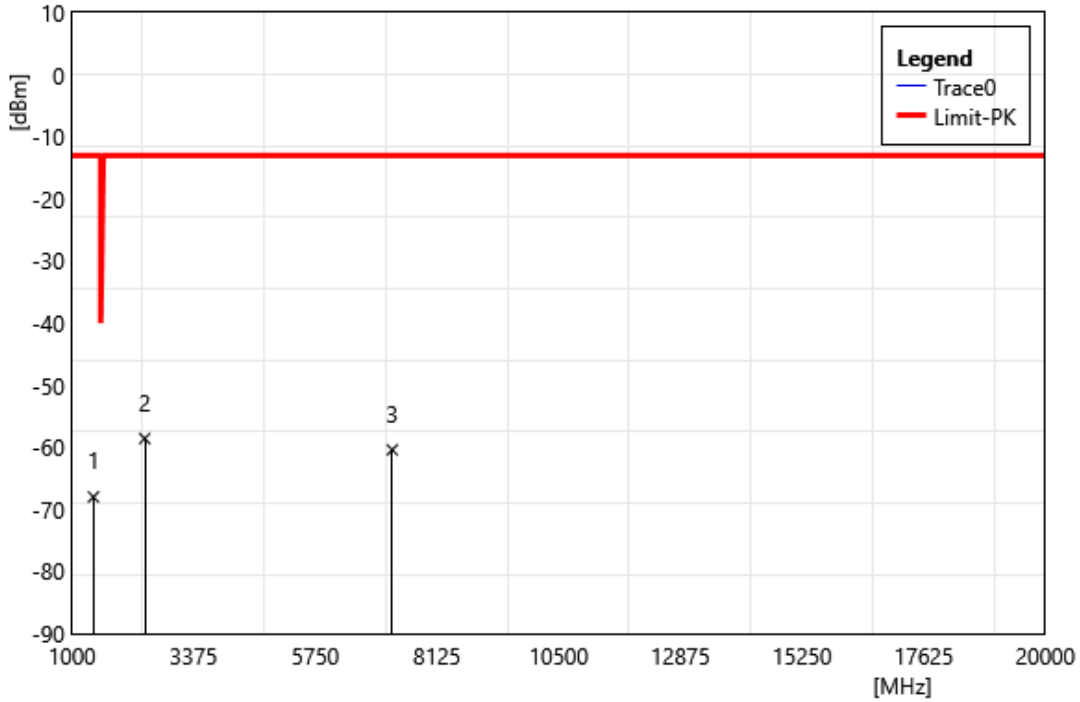
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	2426.57	-46.28	-5.13	-51.41	-13.00	-38.41	PEAK
2	4797.20	-56.65	1.19	-55.46	-13.00	-42.46	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 12		
Polarization:	Vertical		
ReMark:			



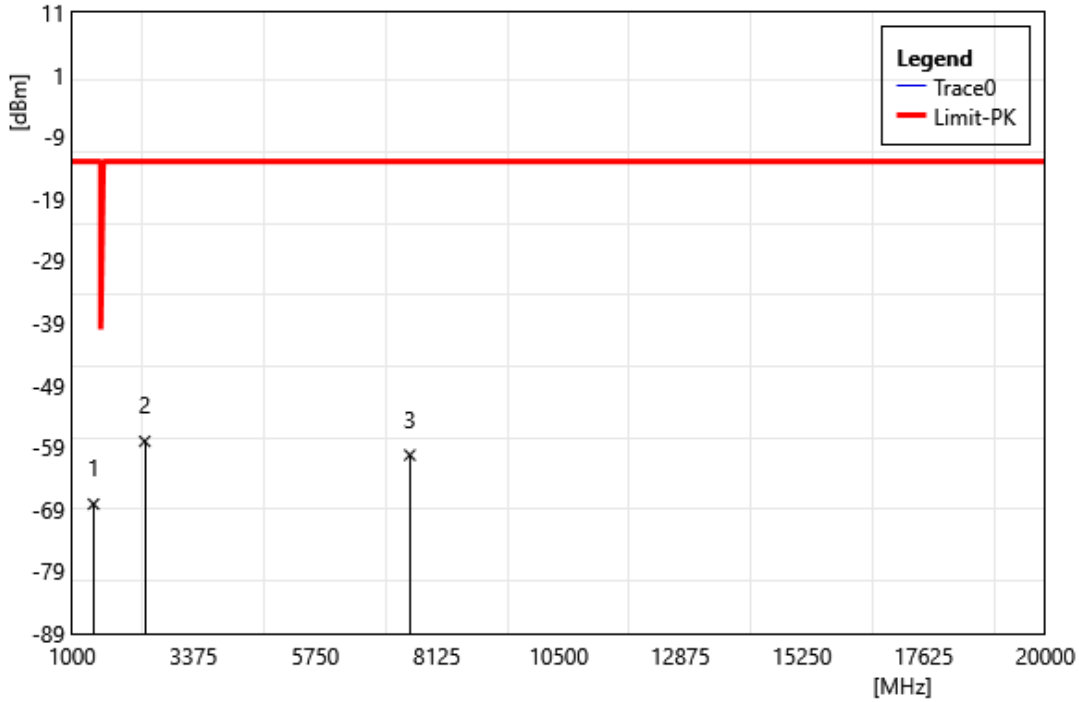
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	2426.57	-49.70	-5.13	-54.83	-13.00	-41.83	PEAK
2	4783.22	-59.01	1.12	-57.89	-13.00	-44.89	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 13		
Polarization:	Horizontal		
ReMark:			



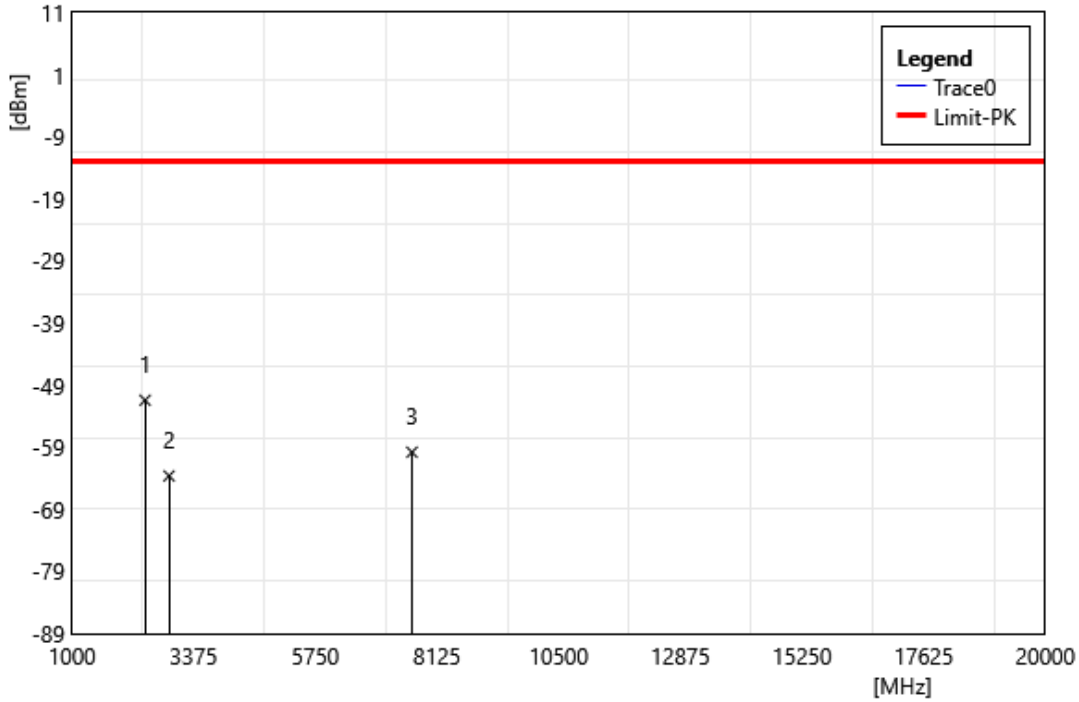
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	1419.58	-61.09	-6.91	-68.00	-13.00	-55.00	PEAK
2	2419.58	-53.47	-5.12	-58.59	-13.00	-45.59	PEAK
3	7251.75	-66.94	6.53	-60.42	-13.00	-47.42	PEAK

Test Site:	96603-WG	Standard:	Part 22H/24E/27
Test Mode:	LTE Band 13		
Polarization:	Vertical		
ReMark:			



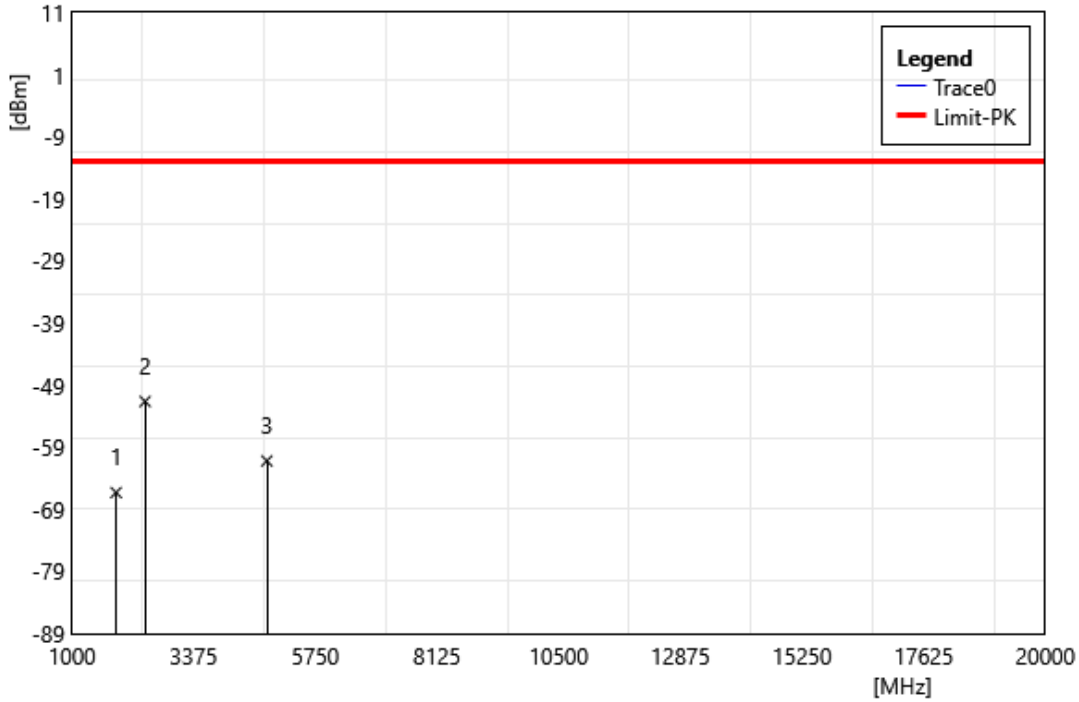
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	1419.58	-61.24	-6.91	-68.15	-13.00	-55.15	PEAK
2	2419.58	-52.93	-5.12	-58.05	-13.00	-45.05	PEAK
3	7594.41	-67.01	6.75	-60.26	-13.00	-47.26	PEAK

Test Site:	96603-WG	Standard:	Part 90S
Test Mode:	LTE Band 26		
Polarization:	Horizontal		
ReMark:	10MHz		



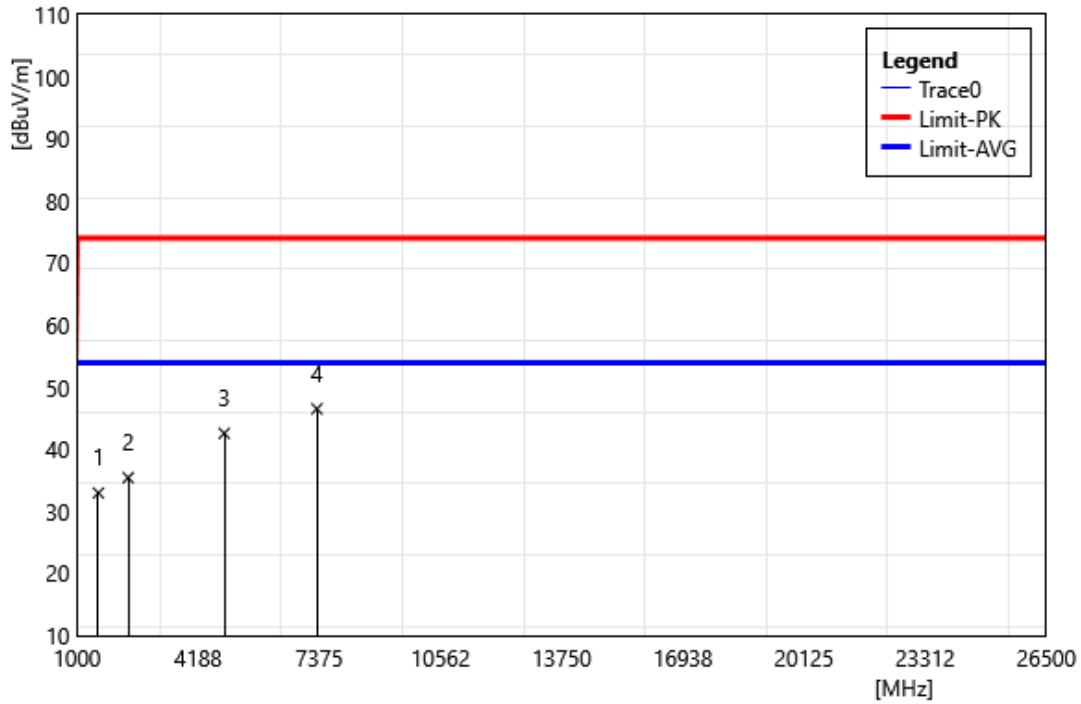
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	2426.57	-46.30	-5.13	-51.43	-13.00	-38.43	PEAK
2	2895.10	-60.17	-3.45	-63.62	-13.00	-50.62	PEAK
3	7636.36	-66.49	6.70	-59.79	-13.00	-46.79	PEAK

Test Site:	96603-WG	Standard:	Part 90S
Test Mode:	LTE Band 26		
Polarization:	Vertical		
ReMark:	10MHz		



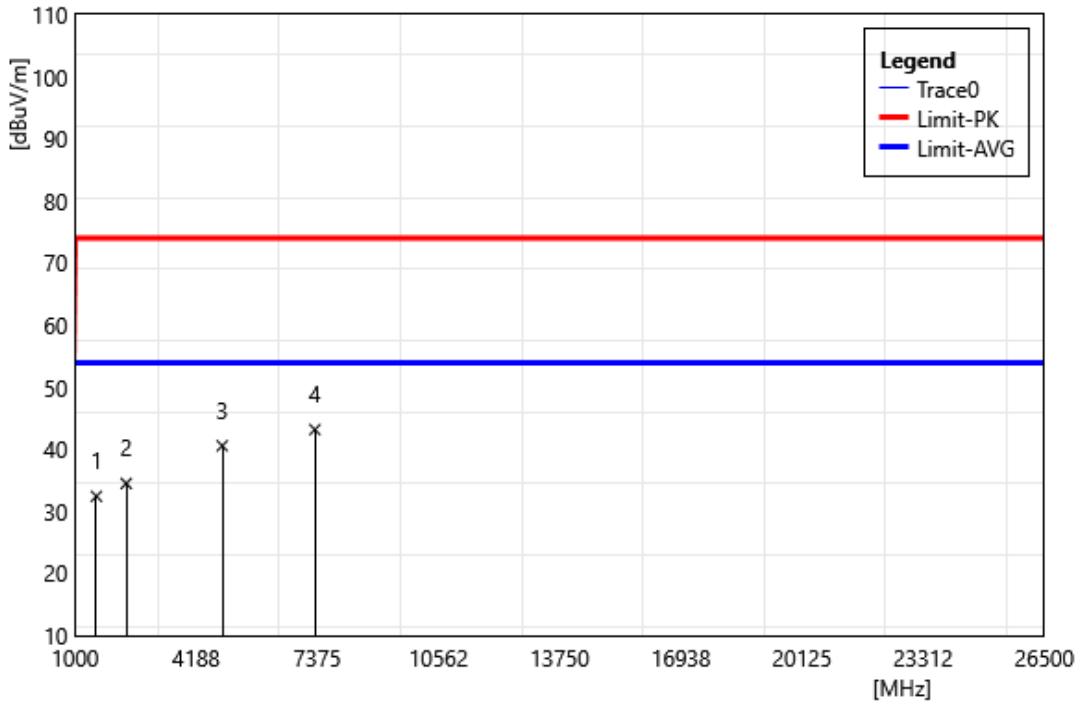
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	ReMark
1	1860.14	-59.73	-6.57	-66.30	-13.00	-53.30	PEAK
2	2426.57	-46.49	-5.13	-51.62	-13.00	-38.62	PEAK
3	4804.20	-62.43	1.23	-61.20	-13.00	-48.20	PEAK

Test Site:	96603-WG	Standard:	Part 15.247
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	Co-location_2.4G+WWAN+RFID		



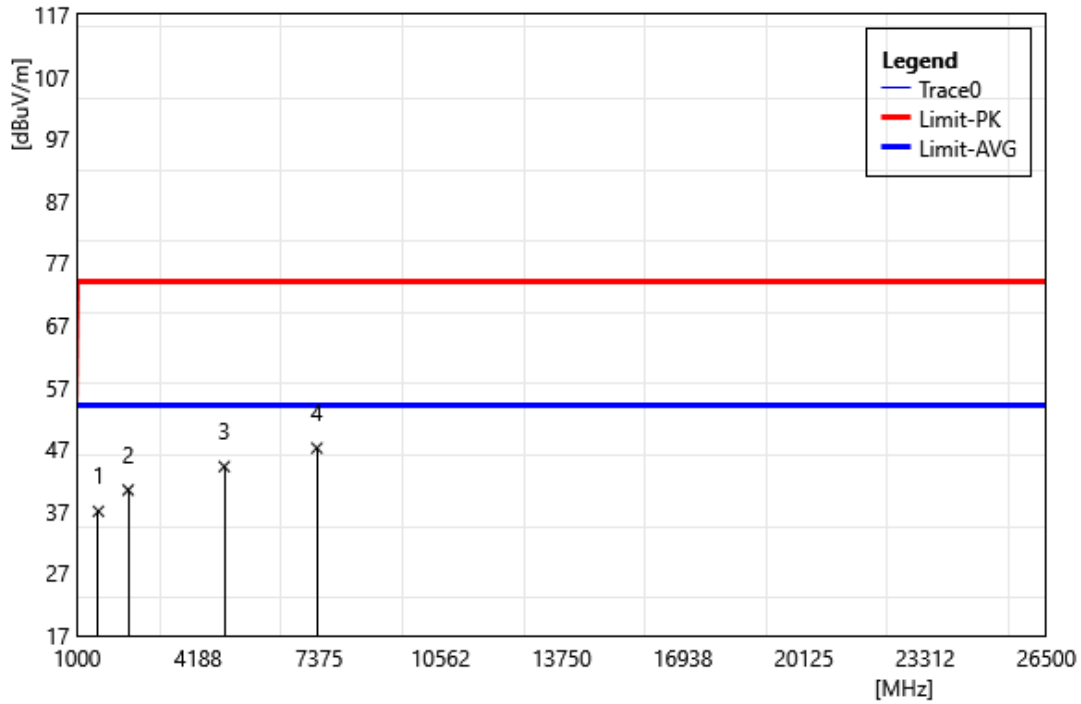
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	1564.00	15.20	17.76	32.96	74.00	-41.04	PEAK
2	2346.00	-7.22	42.64	35.42	74.00	-38.59	PEAK
3	4874.00	-60.62	103.20	42.58	74.00	-31.42	PEAK
4	7311.00	-108.28	154.79	46.51	74.00	-27.49	PEAK

Test Site:	96603-WG	Standard:	Part 15.247
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	Co-location_2.4G+WWAN+RFID		



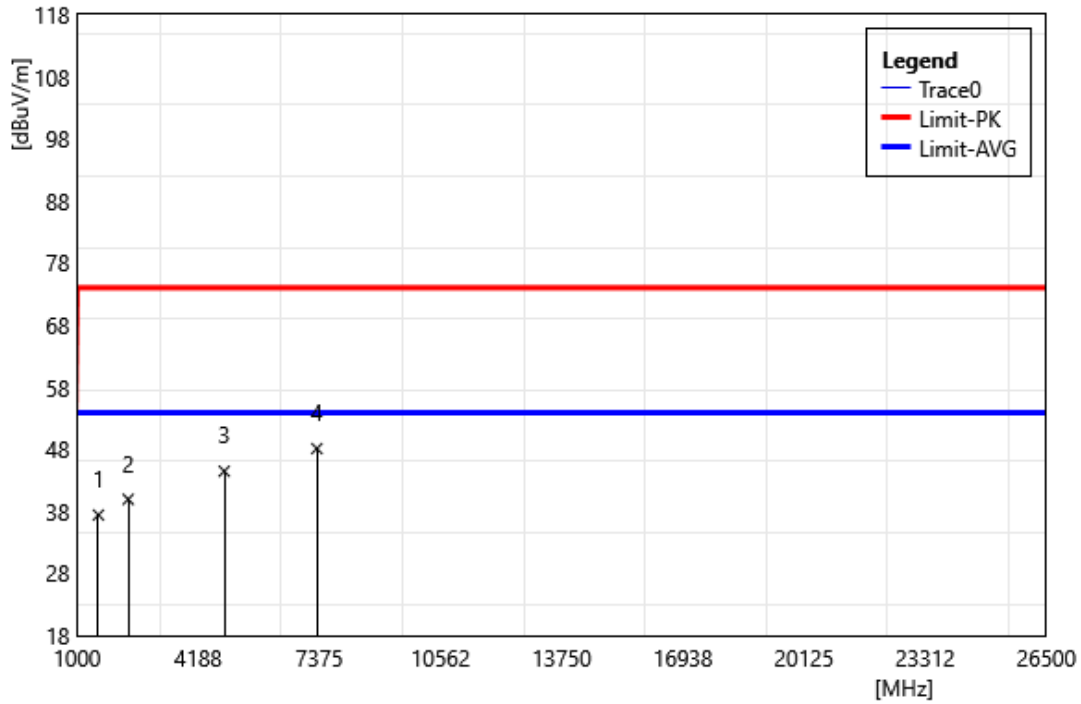
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	1564.00	14.66	17.76	32.42	74.00	-41.58	PEAK
2	2346.00	-8.14	42.64	34.50	74.00	-39.50	PEAK
3	4874.00	-62.64	103.20	40.57	74.00	-33.44	PEAK
4	7311.00	-111.62	154.79	43.17	74.00	-30.83	PEAK

Test Site:	96603-WG	Standard:	Part 15.247
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	Co-location_2.4G+WWAN+POS		



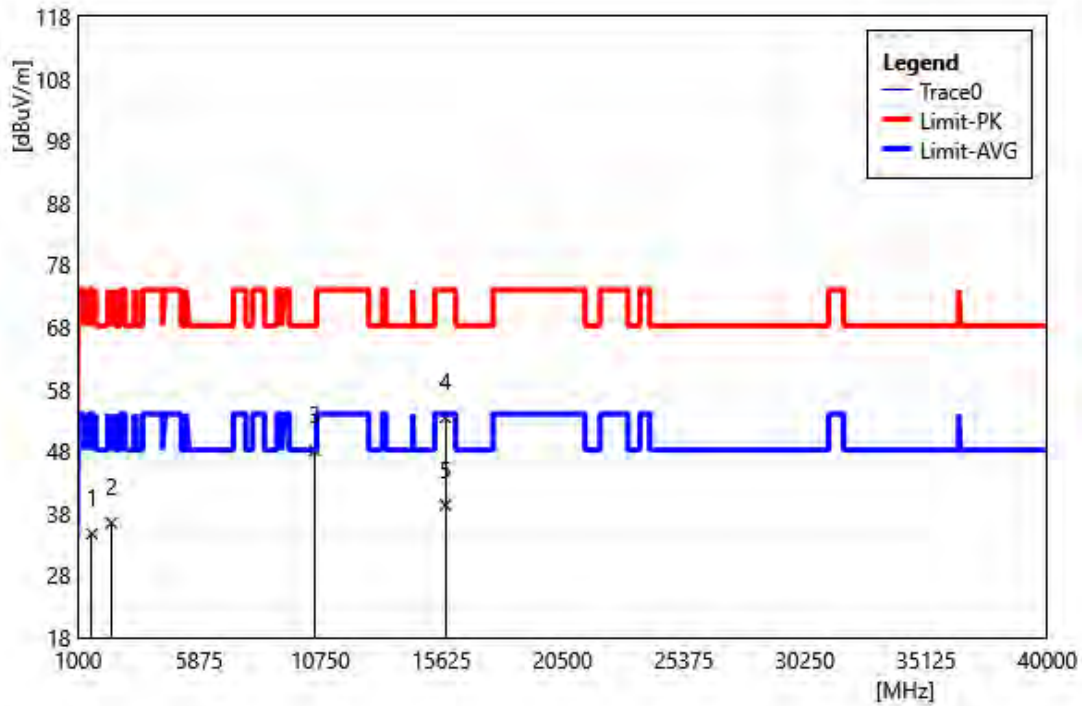
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	1564.00	44.51	-7.51	37.00	74.00	-37.00	PEAK
2	2346.00	45.13	-4.69	40.44	74.00	-33.56	PEAK
3	4874.00	42.70	1.51	44.21	74.00	-29.79	PEAK
4	7311.00	40.96	6.24	47.20	74.00	-26.80	PEAK

Test Site:	96603-WG	Standard:	Part 15.247
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	Co-location_2.4G+WWAN+POS		



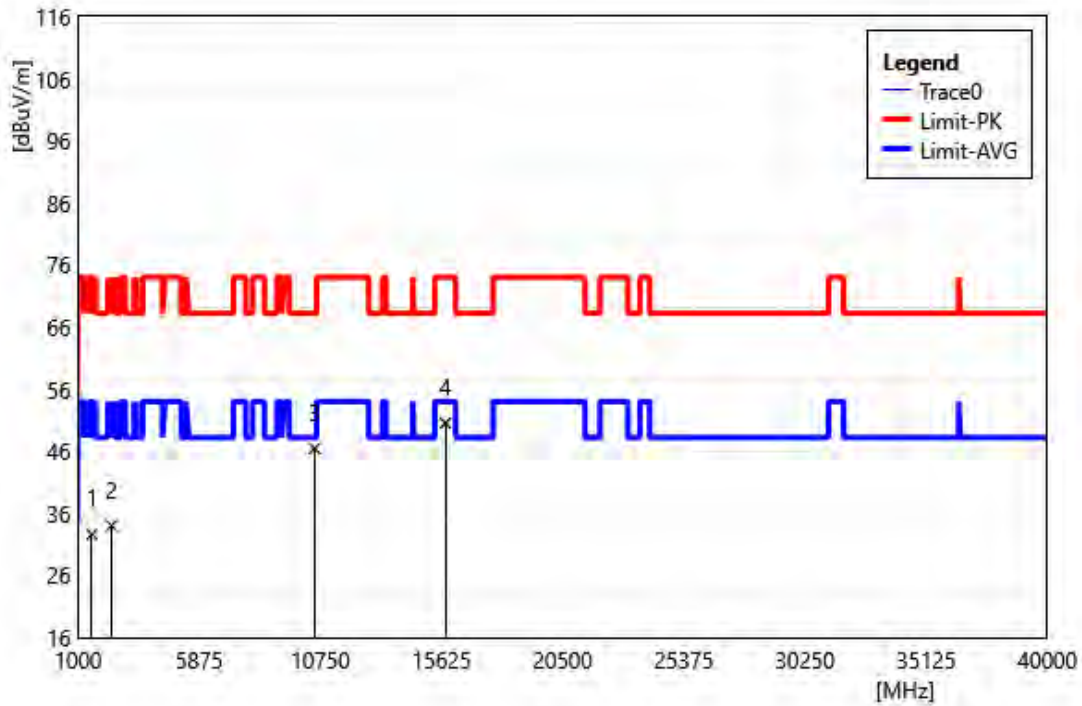
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	1564.00	44.92	-7.51	37.41	74.00	-36.59	PEAK
2	2346.00	44.63	-4.69	39.94	74.00	-34.06	PEAK
3	4874.00	42.95	1.51	44.46	74.00	-29.54	PEAK
4	7311.00	41.87	6.24	48.11	74.00	-25.89	PEAK

Test Site:	96603-WG	Standard:	Part 15.407
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	Co-location_5G+WWAN+RFID		



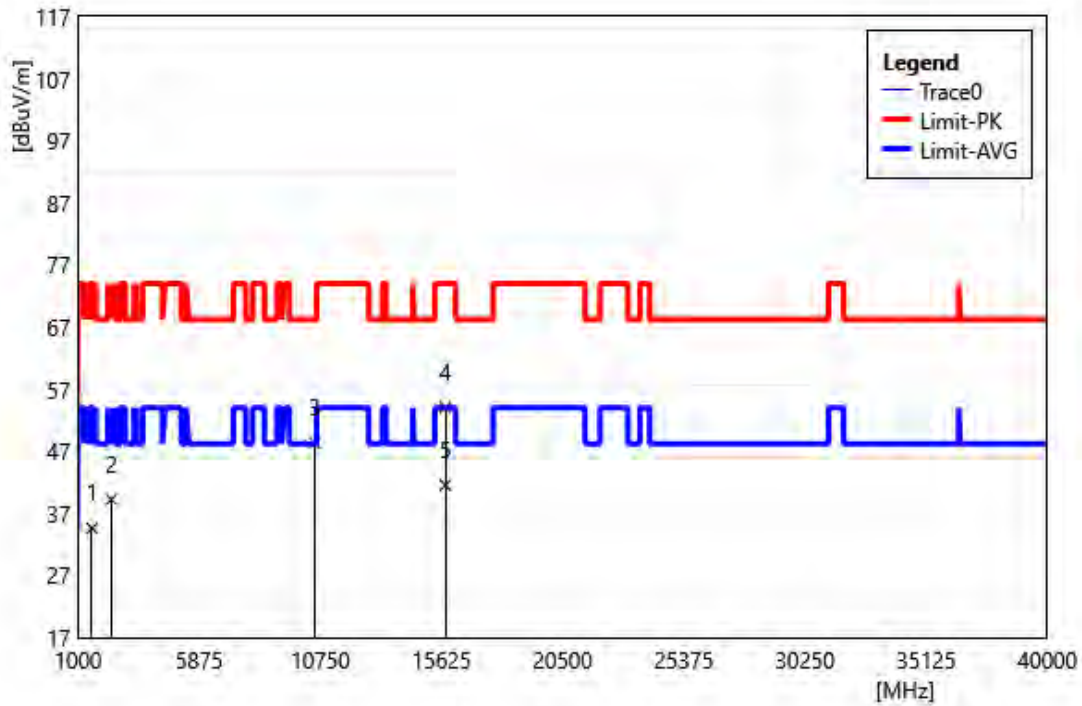
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	1564.00	42.20	-7.51	34.69	74.00	-39.31	PEAK
2	2346.00	41.17	-4.69	36.48	74.00	-37.52	PEAK
3	10520.00	40.73	7.37	48.10	68.20	-20.10	PEAK
4	15780.00	43.99	9.41	53.40	74.00	-20.60	PEAK
5	15780.00	29.92	9.41	39.33	54.00	-14.67	AVG

Test Site:	96603-WG	Standard:	Part 15.407
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	Co-location_5G+WWAN+RFID		



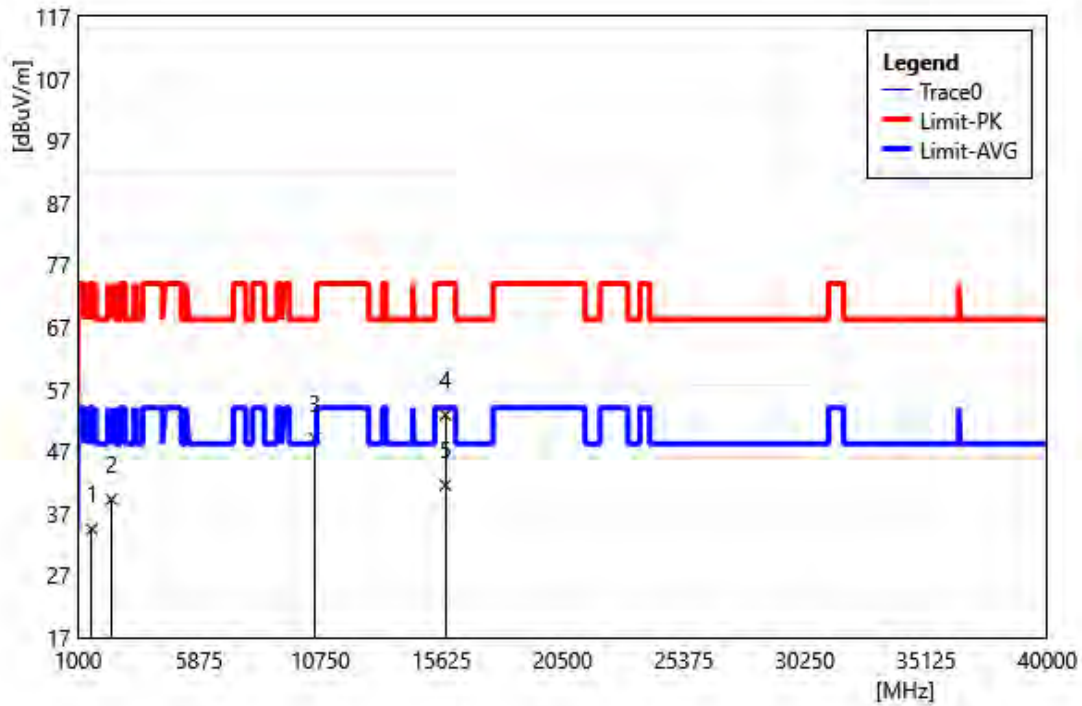
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	1564.00	40.15	-7.51	32.64	74.00	-41.36	PEAK
2	2346.00	38.74	-4.69	34.05	74.00	-39.95	PEAK
3	10520.00	39.08	7.37	46.45	68.20	-21.75	PEAK
4	15780.00	41.14	9.41	50.55	74.00	-23.45	PEAK

Test Site:	96603-WG	Standard:	Part 15.407
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	Co-location_5G+WWAN+POS		



ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	1564.00	42.09	-7.51	34.58	74.00	-39.42	PEAK
2	2346.00	43.93	-4.69	39.24	74.00	-34.76	PEAK
3	10520.00	40.99	7.37	48.36	68.20	-19.84	PEAK
4	15780.00	44.69	9.41	54.10	74.00	-19.90	PEAK
5	15780.00	32.12	9.41	41.53	54.00	-12.47	AVG

Test Site:	96603-WG	Standard:	Part 15.407
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	Co-location_5G+WWAN+POS		



ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	1564.00	41.96	-7.51	34.45	74.00	-39.55	PEAK
2	2346.00	43.92	-4.69	39.23	74.00	-34.77	PEAK
3	10520.00	41.71	7.37	49.08	68.20	-19.12	PEAK
4	15780.00	43.44	9.41	52.85	74.00	-21.15	PEAK
5	15780.00	32.11	9.41	41.52	54.00	-12.48	AVG

--- END---