

RF Test Report

Applicant : D-Link Corporation

Product Name : 5G Sub-6 GHz LGA Module

Trade Name : D-Link

Model Number : RG520N-NA

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

Received Date : May 23, 2024

Test Period : Jun. 11, 2024 ~ Jun. 17, 2024

Issued Date : Jul. 15, 2024

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
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. 15, 2024	Initial Issue	Snow Wang

Verification of Compliance

Applicant : D-Link Corporation

Product Name : 5G Sub-6 GHz LGA Module

Trade Name : D-Link

Model Number : RG520N-NA

FCC ID : KA2RG520NA1

Applicable Standard : FCC 47 CFR PART 22H
FCC 47 CFR PART 24E
FCC 47 CFR PART 27
FCC 47 CFR PART 90S
FCC 47 CFR PART 90R
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 : _____

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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 Average Power	N/A (Note 1)
§22.913 §24.232 §27.50 §90.542(Part 90R) §90.635(Part 90S)	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 power ratio	N/A (Note 1)
§2.1051 §22.917 §24.238 §27.53 §90.543(Part 90R)	Band Edge	N/A (Note 1)
§2.1051 §22.917 §24.238 §27.53 §90.543(Part 90R)	Conducted Spurious Emissions	N/A (Note 1)
§2.1053 §22.917 §24.238 §27.53 §90.691 §90.543(Part 90R)	Radiated Spurious Emissions	Pass (Note 2)

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 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
Barometric pressure (mbar)	860-1060	990-1005

(*)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	D-Link Corporation 14420 Myford Road Suite 100 Irvine California United States 92606		
Product Name	5G Sub-6 GHz LGA Module		
Trade Name	D-Link		
Model Number	RG520N-NA		
FCC ID	KA2RG520NA1		
Host Information	Product Name: 5G NR AX3000 Wi-Fi 6 Router Trade Name: D-Link Model Name: G530		
IMEI No.	863109050333500		
Operate Band	Frequency Range (MHz)	Modulation	Channel Bandwidth
LTE Band 2	UL: 1850 ~ 1910	QPSK, 16QAM, 64QAM, 256QAM	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	DL: 1930 ~ 1990		
LTE Band 4	UL: 1710 ~ 1755		1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	DL: 2110 ~ 2155		
LTE Band 5	UL: 824 ~ 849		1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	DL: 869 ~ 894		
LTE Band 7	UL: 2500 ~ 2570		5 MHz, 10 MHz, 15 MHz, 20 MHz
	DL: 2620 ~ 2690		
LTE Band 12	UL: 699 ~ 716		1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	DL: 728 ~ 746		
LTE Band 13	UL: 777 ~ 787		5 MHz, 10 MHz
	DL: 746 ~ 756		
LTE Band 14	UL: 788 ~ 798		5 MHz, 10 MHz
	DL: 758 ~ 768		
LTE Band 17	UL: 704 ~ 716		5 MHz, 10 MHz
	DL: 734 ~ 746		
LTE Band 25	UL: 1850 ~ 1915		1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	DL: 1930 ~ 1995		
LTE Band 26	UL: 824 ~ 849		1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz
	DL: 869 ~ 894		
LTE Band 26	UL: 814.7 ~ 823.3		1.4 MHz, 3 MHz, 5 MHz, 10 MHz
	DL: 859.7 ~ 868.3		
LTE Band 30	UL: 2305 ~ 2315		5 MHz, 10 MHz
	DL: 2350 ~ 2360		
LTE Band 38/ LTE Band 38_HPUE	UL/DL: 2570 ~ 2620		5 MHz, 10 MHz, 15 MHz, 20 MHz
LTE Band 41/ LTE Band 41_HPUE	UL/DL: 2496 ~ 2690		5 MHz, 10 MHz, 15 MHz, 20 MHz
LTE Band 43	UL/DL: 3600~ 3800		5 MHz, 10 MHz, 15 MHz, 20 MHz

Operate Band	Frequency Range (MHz)	Modulation	Channel Bandwidth
LTE Band 66	UL: 1710 ~ 1780	QPSK, 16QAM, 64QAM, 256QAM	1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz
	DL: 2110 ~ 2200		
LTE Band 71	UL: 663 ~698		5 MHz, 10 MHz, 15 MHz, 20 MHz
	DL: 617 ~ 652		
Operate Temp. Range	0 ~ 40 °C		
EUT Power Rating	12 Vdc		

EUT Modify Description :

Modify Description:

(1) This is to request a Class 2 Permissive Change for FCC ID: KA2RG520NA1, originally granted on 2024/7/4.

Modification:

Change #1: Additional chassis added, D-Link model name: G530.

Change #2: Add new WWAN antennas that meet FCC WWAN certification standard.

After replacing the antenna, the gain is greater than the original antenna.

After Our evaluation, the retest of Radiated Emissions Worst Case by each band required.

The other test data refer to the original report

Antenna	Type	Max. Gain (dBi)	
ANT-0	PCB antenna	LTE Band 2	2.1
		LTE Band 4	1.2
		LTE Band 5	1.7
		LTE Band 7	0.1
		LTE Band 12	1.5
		LTE Band 13	1.9
		LTE Band 14	1.9
		LTE Band 17	1.5
		LTE Band 25	2.1
		LTE Band 26	1.7
		LTE Band 30	1
		LTE Band 38	0.1
		LTE Band 41	0.1
		LTE Band 43	0.6
		LTE Band 66	2
ANT-2	PCB antenna	LTE Band 2	2.2
		LTE Band 4	2.8
		LTE Band 5	2.3
		LTE Band 7	0.1
		LTE Band 12	2.6
		LTE Band 13	2.7
		LTE Band 14	2.7
		LTE Band 17	2.6
		LTE Band 25	2.2
		LTE Band 26	2.3
		LTE Band 38	0.2
		LTE Band 41	0.2
		LTE Band 43	0.7
		LTE Band 66	2.8
		LTE Band 71	2.2

Antenna	Type	Max. Gain (dBi)	
ANT-4	PCB antenna	LTE Band 2	2.6
		LTE Band 4	3.7
		LTE Band 7	0.1
		LTE Band 25	2.6
		LTE Band 30	0.9
		LTE Band 38	0.2
		LTE Band 41	0.2
		LTE Band 43	0.9
		LTE Band 66	3.7
ANT-5	PCB antenna	LTE Band 2	2.1
		LTE Band 4	2.0
		LTE Band 7	0.1
		LTE Band 25	2.1
		LTE Band 30	1.1
		LTE Band 38	0.1
		LTE Band 41	0.1
		LTE Band 43	0.9
		LTE Band 66	2.0

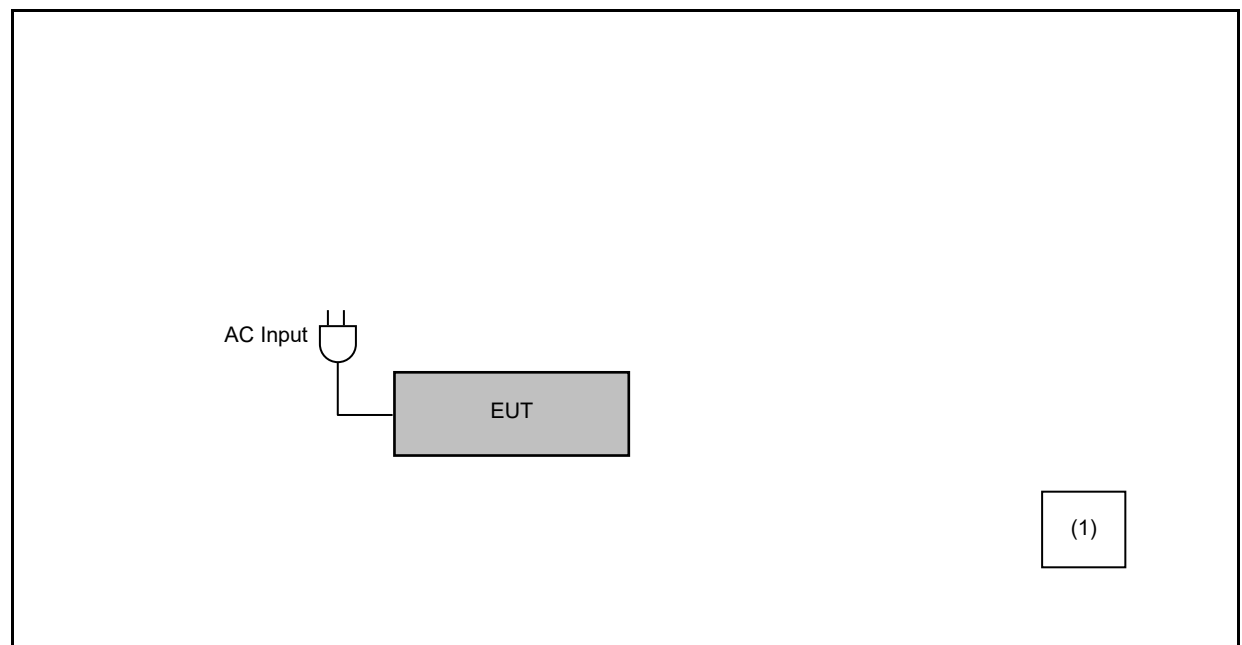
2.1. Mode of Operation

Pre-Test Mode	Final-Test Mode
LTE	V

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



	Product	Manufacturer	Model Number	Serial Number	Power Cord
(3)	Wireless Test Platform	Keysight	UXM 5G	MY59020225	---

2.4. Test Instruments

For Radiated Emissions
Test Period: Jun. 11 ~ Jun. 17, 2024
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	Feb. 23, 2024	1 year
☒	Trilog Broadband Antenna (30 kHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	1276	Feb. 02, 2024	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	RF SPIN	DRH18-E	210307A18ES	Dec. 15, 2023	1 year
☒	Broadband Horn Antenna (15 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	BBHA9170	1133	Jan. 18, 2024	1 year
☒	Spectrum Analyzer (2 Hz~50 GHz)	KEYSIGHT	N9030B	MY57153537	Apr. 21, 2024	1 year
☒	Pre-Amplifier	EMCI	EMC001330	980859	Nov. 29, 2023	1 year
☒	Pre-Amplifier	EMCI	EMC118A45SE	980818	Dec. 15, 2023	1 year
☒	Pre-Amplifier	EMCI	EMC184045SE	980861	Dec. 21, 2023	1 year
☒	Coaxial Cable (10 kHz~3000 MHz)	EMCI	EMCCFD400-NM- NM-2000	211009	Dec. 28, 2023	1 year
☒	Coaxial Cable (10 kHz~3000 MHz)	EMCI	EMCCFD400-NM- NM-2000	211010	Dec. 28, 2023	1 year
☒	Coaxial Cable (10 kHz~3000 MHz)	EMCI	EMCCFD400-NM- NM-6000	211018	Dec. 28, 2023	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM- 1000	211029	Dec. 28, 2023	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM- 2000	211033	Dec. 28, 2023	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM- 8000	211038	Dec. 28, 2023	1 year

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

For Radiated Emissions
 Test Period: Jun. 11 ~ Jun. 17, 2024
 Testing Engineer: Jason Yeh

Radiation test sites		Semi Anechoic Room 96603-WG				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-600	211211	Dec. 28, 2023	1 year
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-2000	211210	Dec. 28, 2023	1 year
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-6000	211209	Dec. 28, 2023	1 year
☒	Highpass Filter	Warison	STI15-9796	001	Nov. 13, 2023	1 year
☒	Highpass Filter	Warison	WFIL-H3000-20000F	WR4BBFWC2B1	Nov. 13, 2023	1 year
☒	Highpass Filter	Warison	WFIL-H6000-26500F	WR4BBFWC4B1	Nov. 13, 2023	1 year
☒	Wireless Test Platform	Keysight	UXM 5G	MY59020225	Mar. 06, 2024	1 year
☒	Software	R_RAM	V1.3	N/A	N.C.R.	---

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

3 Measurement Procedure

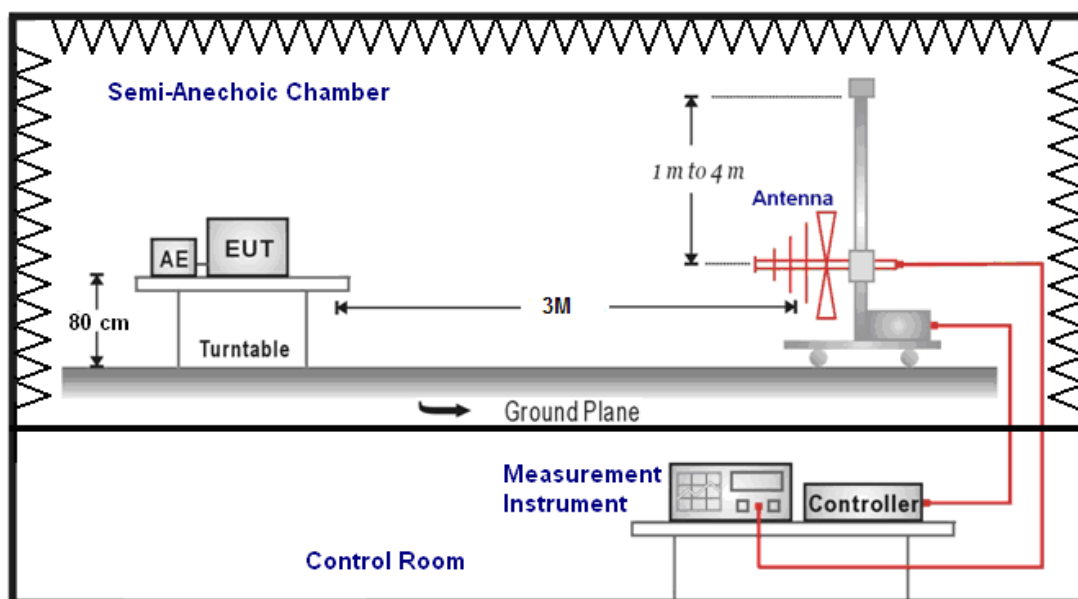
3.1. Radiated Emission Test

■ Limit

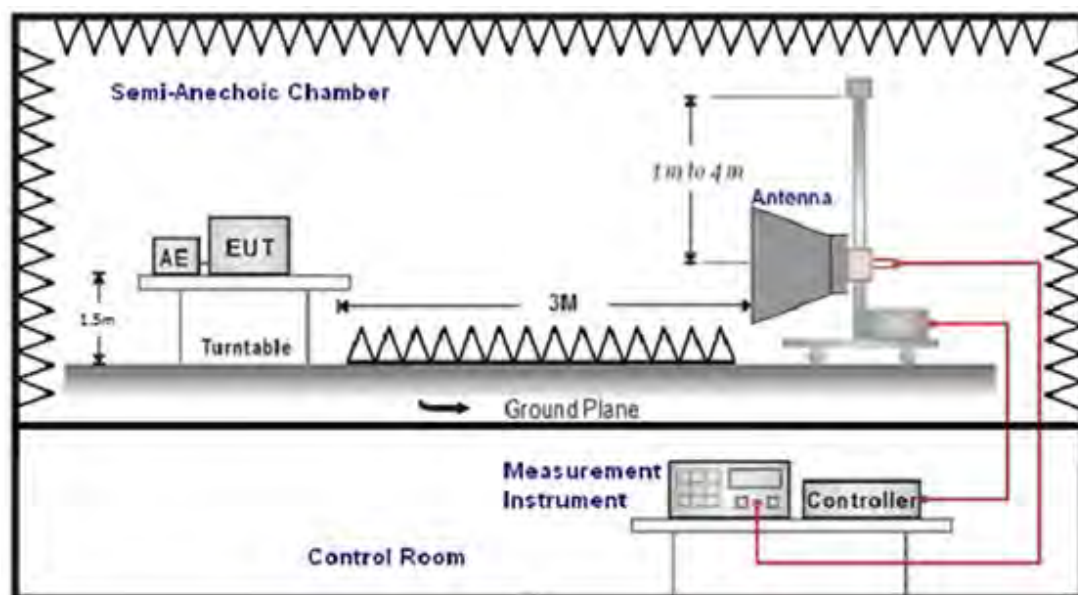
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13 dBm

■ Setup

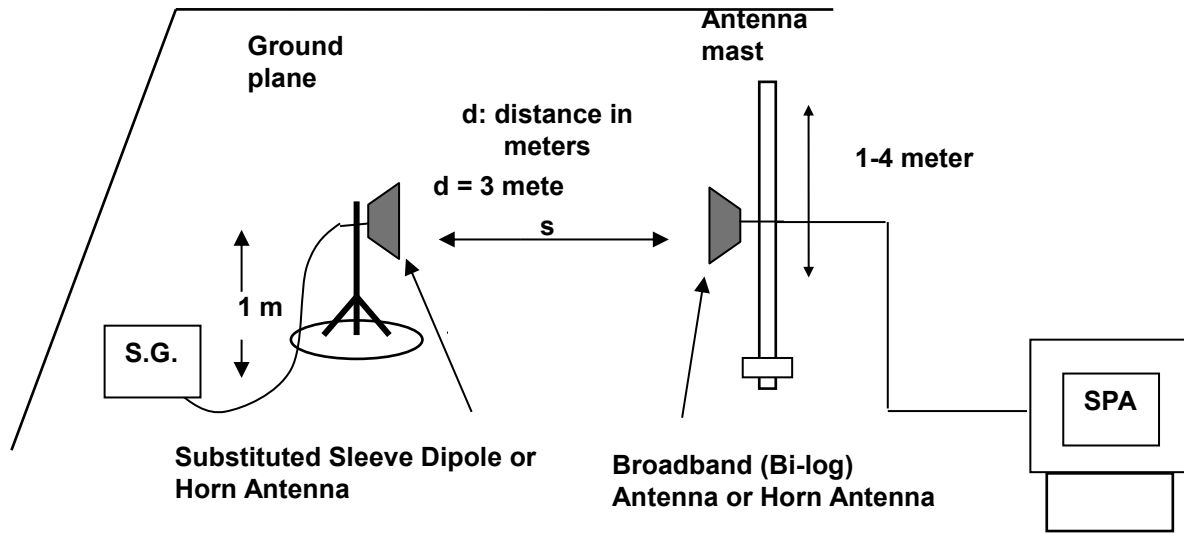
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



■ Test Procedure

- 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).
- 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.
- 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.
- $E.I.R.P. = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$
- $E.R.P. = E.I.R.P. - 2.15 \text{ dB}$
- Measurement range 9 kHz - 10 th Harmonic

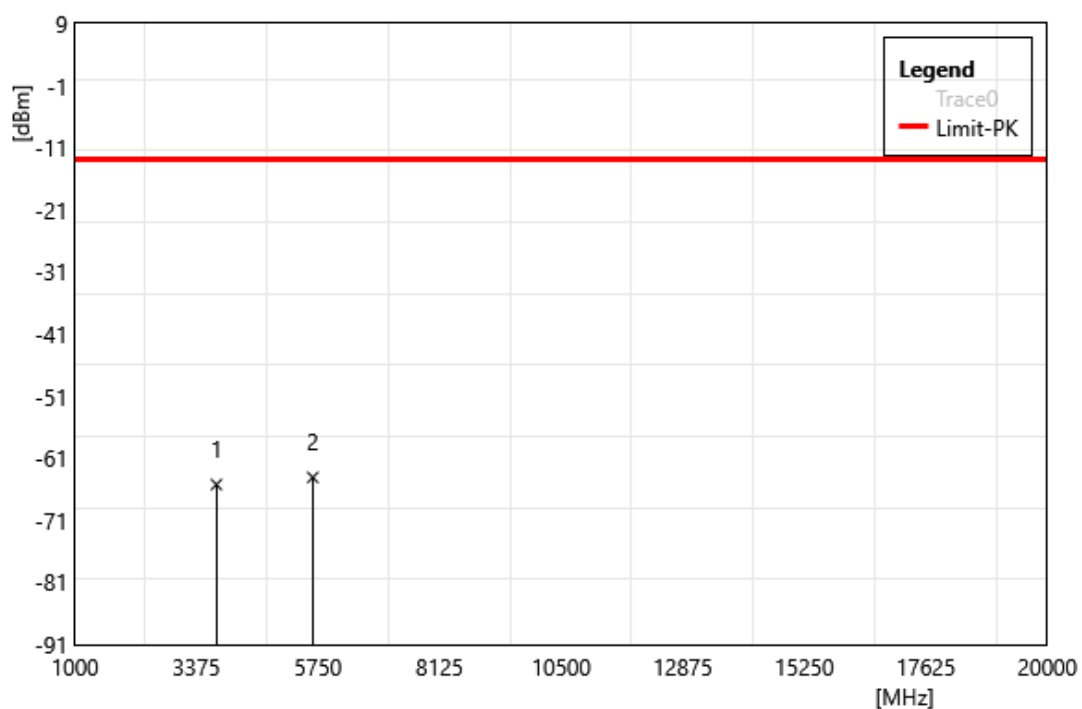
Note: 1. Below 1 GHz Substituted Method Test : Sleeve dipole antenna to Bi-Log Antenna

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

4 Test Results

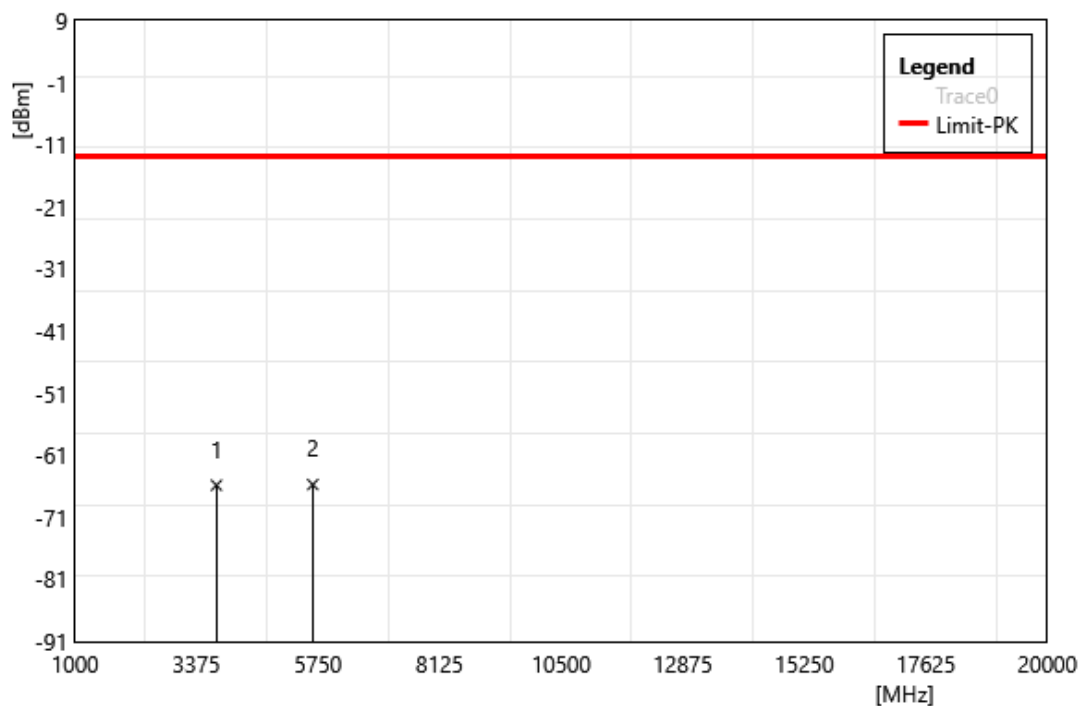
4.1. Radiated Emission :

Test Site:	96603-WG	Standard:	Part 24
Test Mode:	LTE band2/25 QPSK		
	BW:20M 1882.5 MHz		
Polarization:	Horizontal		
Remark:			



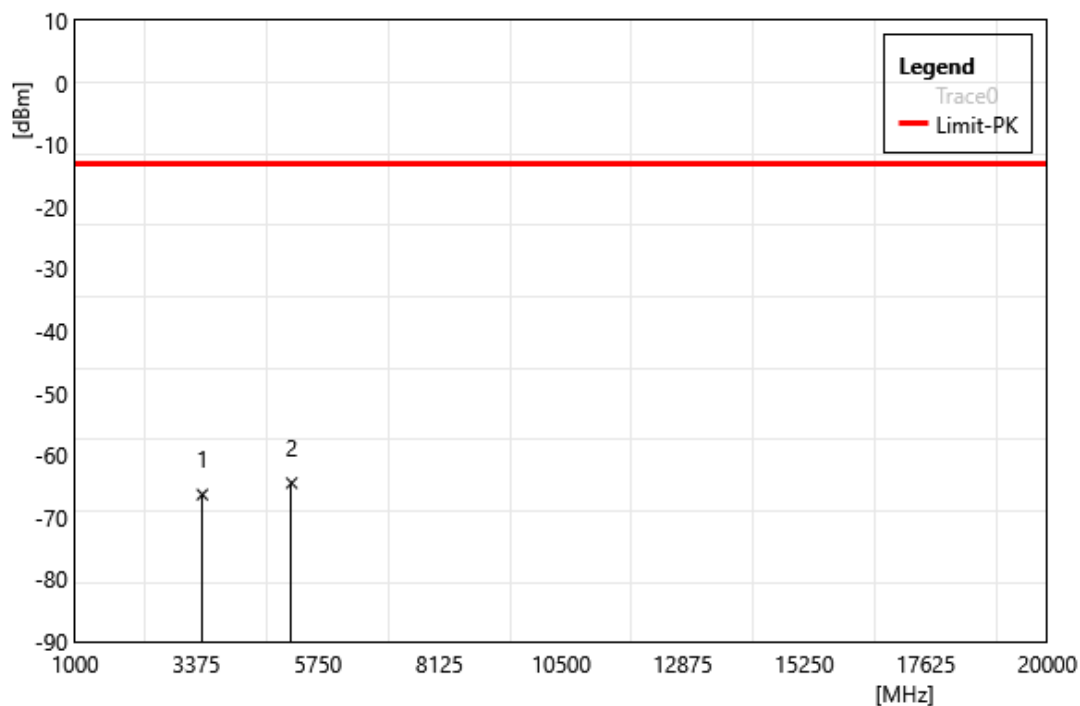
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	3765.00	-64.57	-0.67	-65.24	-13.00	-52.24	PEAK
2	5647.50	-66.81	2.74	-64.07	-13.00	-51.07	PEAK

Test Site:	96603-WG	Standard:	Part 24
Test Mode:	LTE band2/25 QPSK		
	BW:20M 1882.5 MHz		
Polarization:	Vertical		
Remark:			



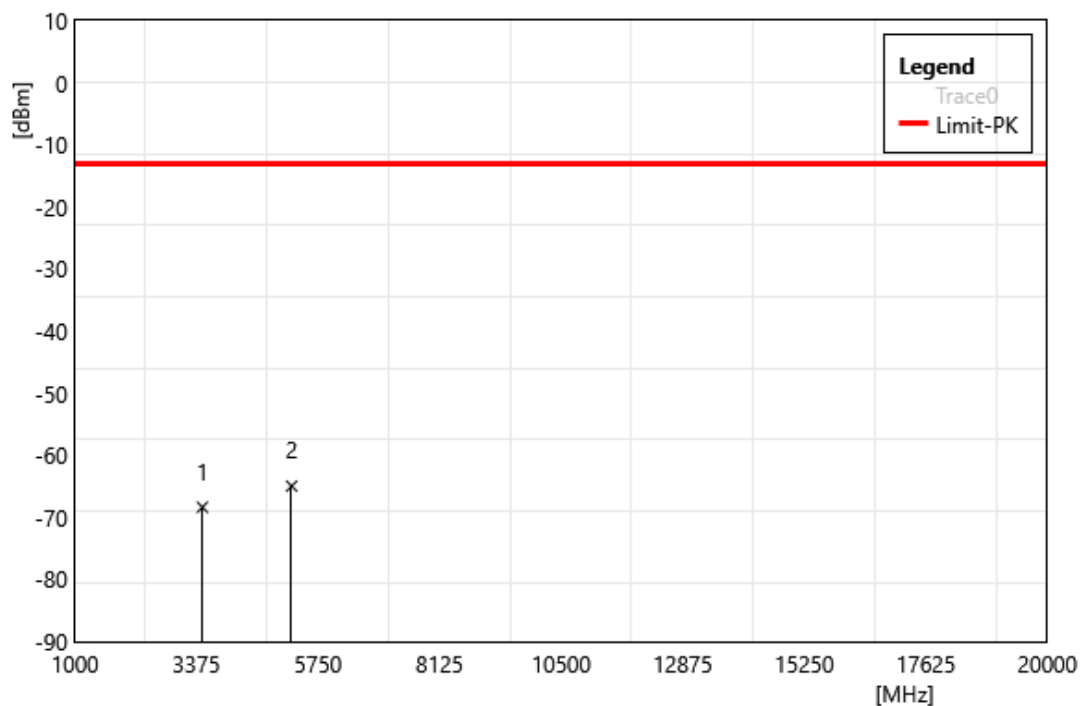
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	3765.00	-65.16	-0.67	-65.83	-13.00	-52.83	PEAK
2	5647.50	-68.46	2.74	-65.72	-13.00	-52.72	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band4/66 QPSK		
	BW:3M 1745 MHz		
Polarization:	Horizontal		
Remark:			



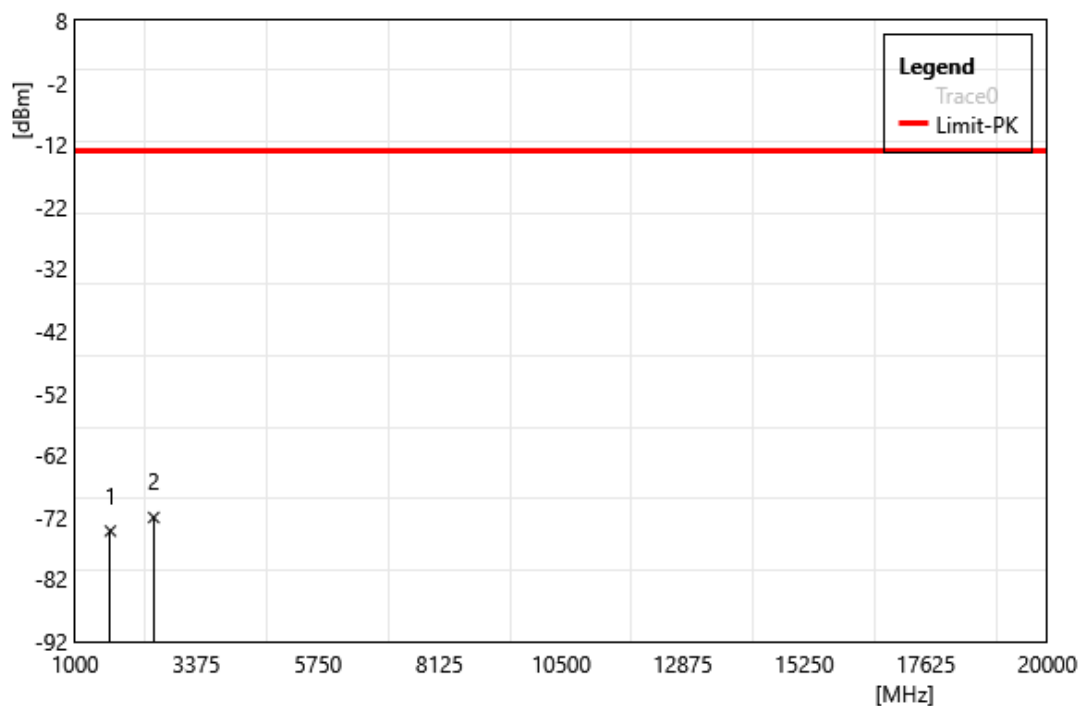
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	3490.00	-64.63	-1.71	-66.34	-13.00	-53.34	PEAK
2	5235.00	-66.09	1.61	-64.48	-13.00	-51.48	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band4/66 QPSK		
	BW:3M 1745 MHz		
Polarization:	Vertical		
Remark:			



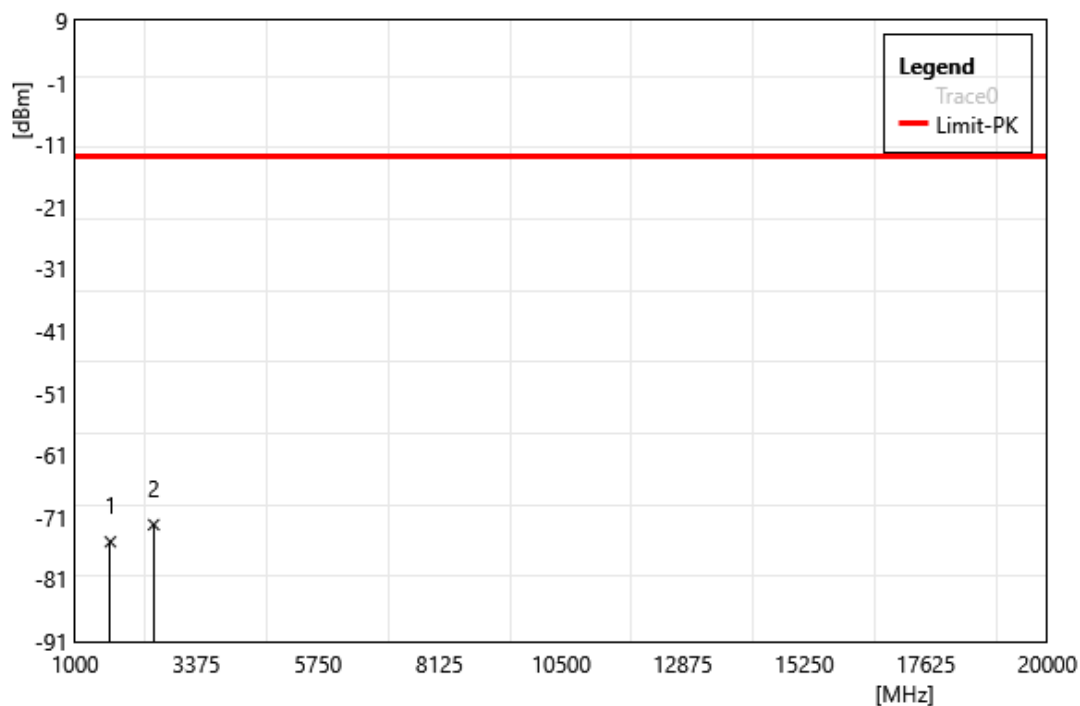
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	3490.00	-66.67	-1.71	-68.38	-13.00	-55.38	PEAK
2	5235.00	-66.58	1.61	-64.97	-13.00	-51.97	PEAK

Test Site:	96603-WG	Standard:	Part 22
Test Mode:	LTE band5/26 QPSK		
	BW:5M 846.5 MHz		
Polarization:	Horizontal		
Remark:			



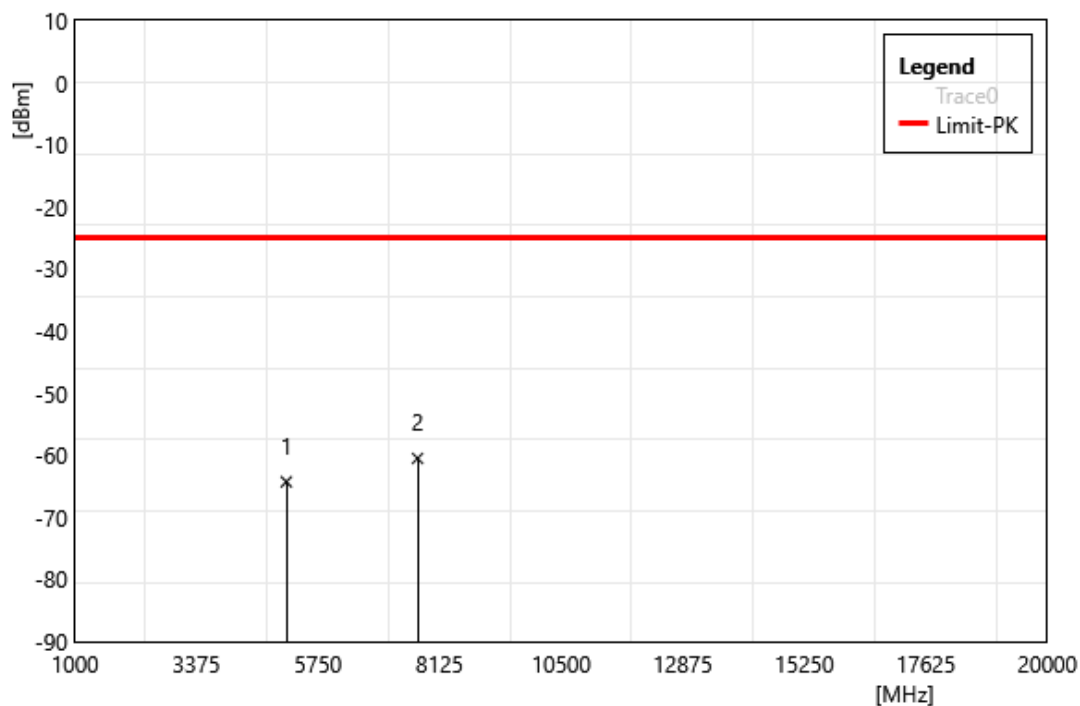
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1693.00	-66.90	-7.30	-74.20	-13.00	-61.20	PEAK
2	2539.50	-67.26	-4.76	-72.02	-13.00	-59.02	PEAK

Test Site:	96603-WG	Standard:	Part 22
Test Mode:	LTE band5/26 QPSK		
	BW:5M 846.5 MHz		
Polarization:	Vertical		
Remark:			



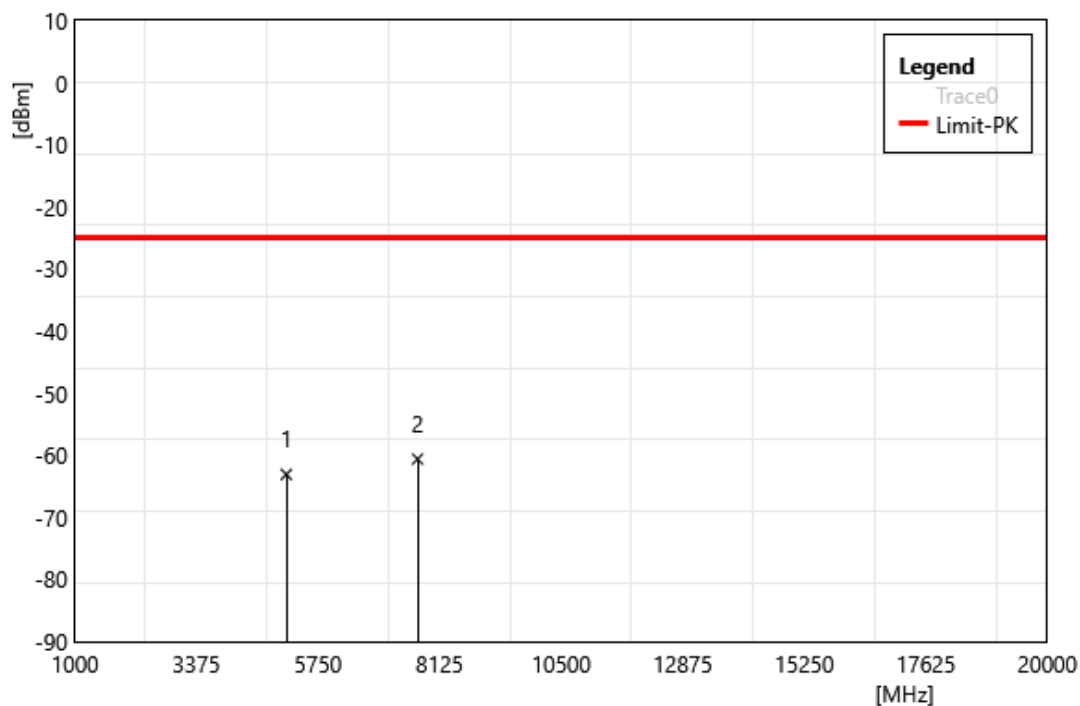
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1693.00	-67.64	-7.30	-74.94	-13.00	-61.94	PEAK
2	2539.50	-67.43	-4.76	-72.19	-13.00	-59.19	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band7 QPSK BW:10M		
	2565 MHz		
Polarization:	Horizontal		
Remark:			



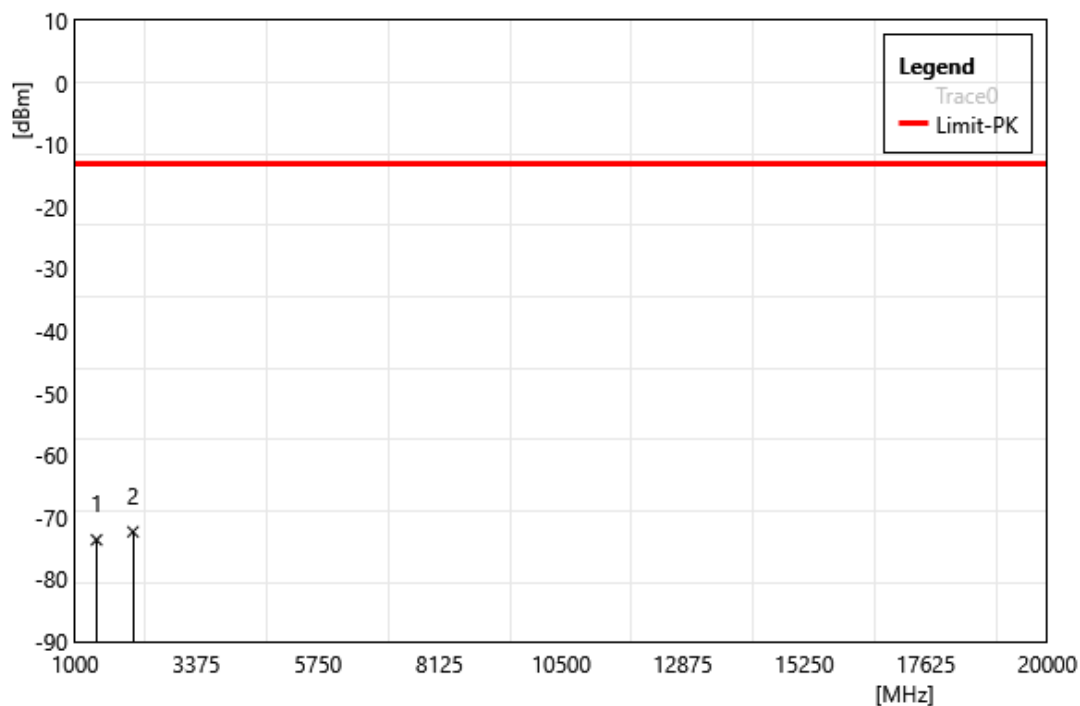
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	5130.00	-66.15	1.88	-64.27	-25.00	-39.27	PEAK
2	7695.00	-67.32	6.81	-60.51	-25.00	-35.51	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band7 QPSK BW:10M		
	2565 MHz		
Polarization:	Vertical		
Remark:			



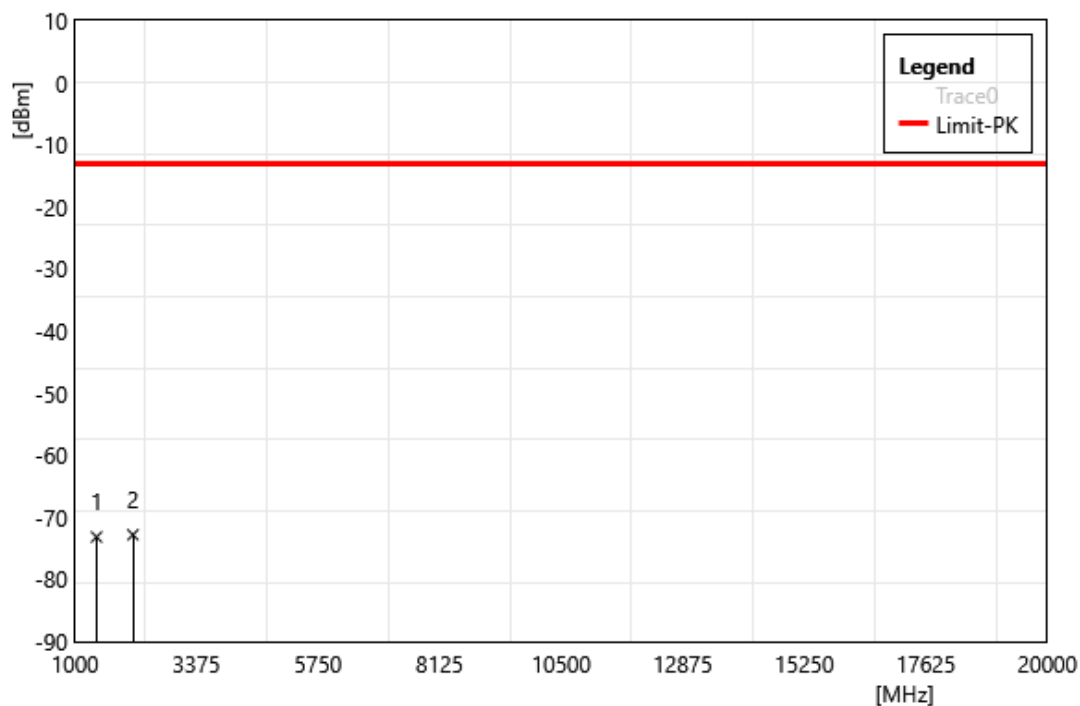
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	5130.00	-64.97	1.88	-63.09	-25.00	-38.09	PEAK
2	7695.00	-67.43	6.81	-60.62	-25.00	-35.62	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band12 QPSK BW:10M		
	711 MHz		
Polarization:	Horizontal		
Remark:			



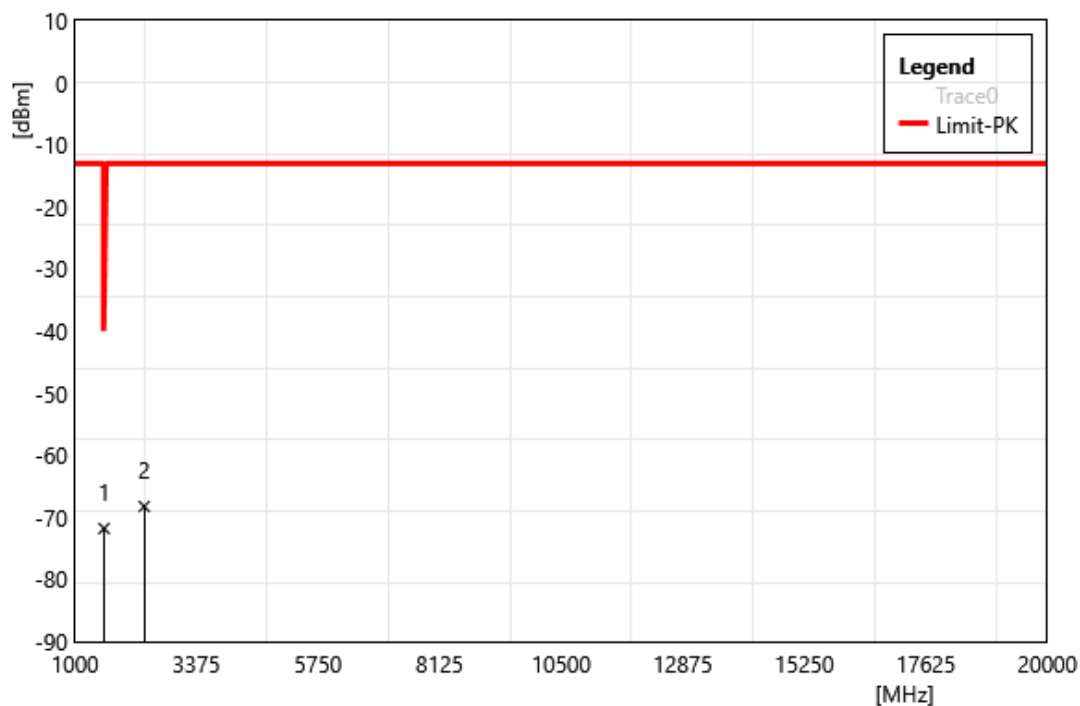
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1422.00	-66.71	-6.92	-73.63	-13.00	-60.63	PEAK
2	2133.00	-66.99	-5.34	-72.33	-13.00	-59.33	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band12 QPSK BW:10M		
	711 MHz		
Polarization:	Vertical		
Remark:			



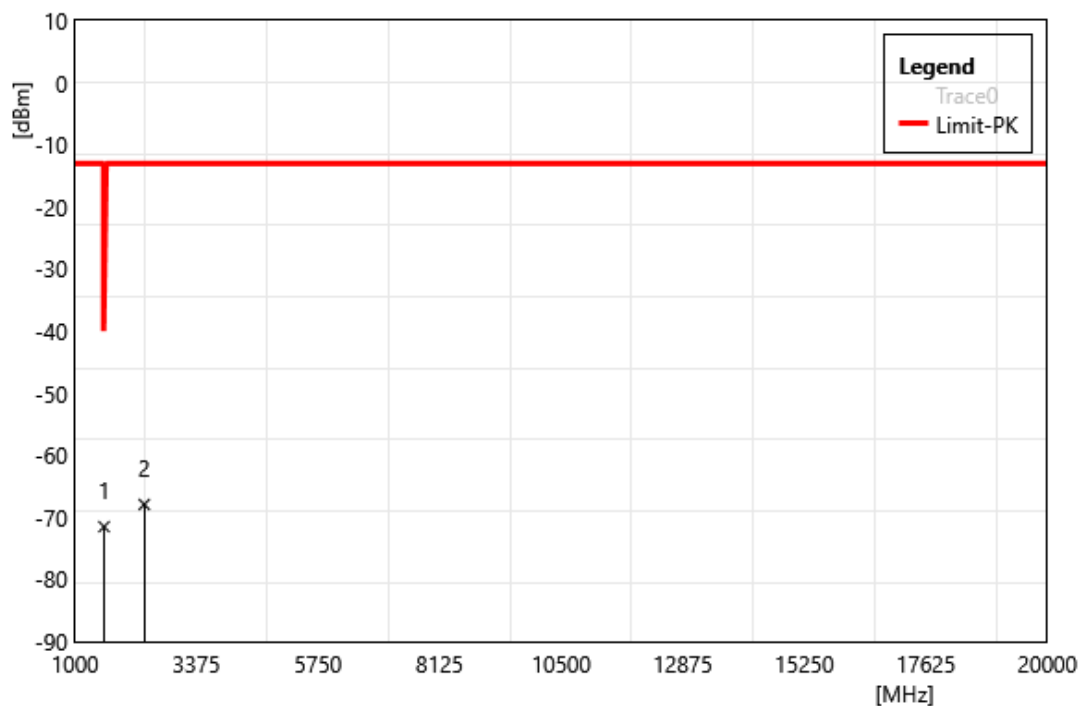
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1422.00	-66.24	-6.92	-73.16	-13.00	-60.16	PEAK
2	2133.00	-67.46	-5.34	-72.80	-13.00	-59.80	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band13 QPSK BW:5M		
	784.5 MHz		
Polarization:	Horizontal		
Remark:			



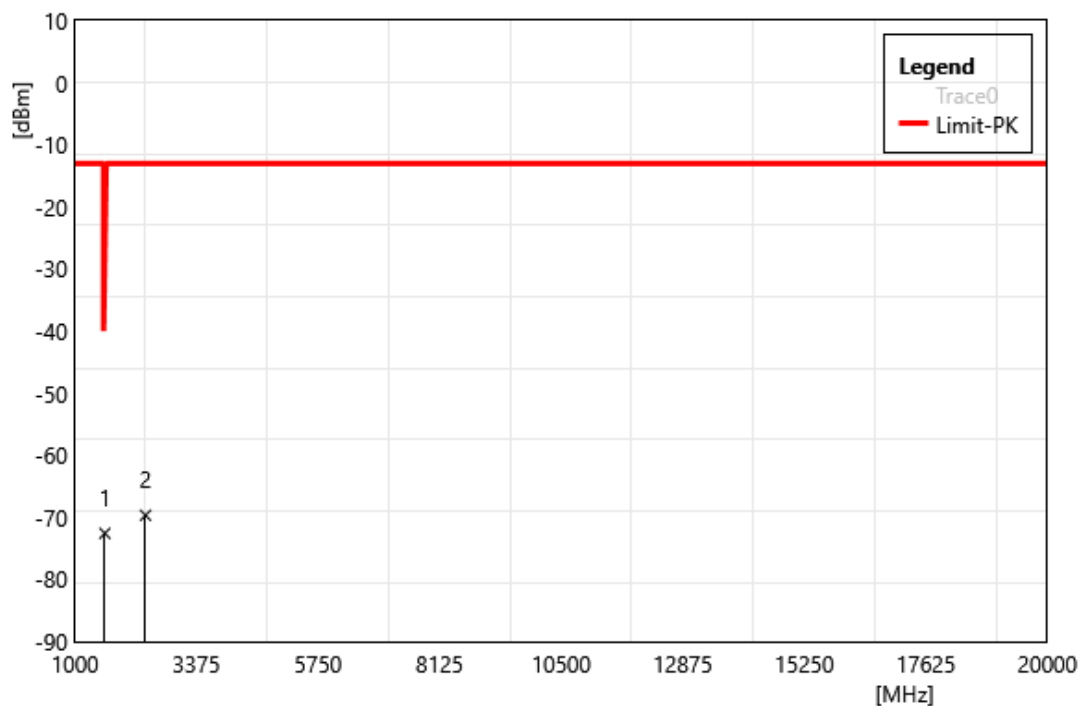
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1569.00	-64.41	-7.38	-71.79	-40.00	-31.79	PEAK
2	2353.50	-63.90	-4.35	-68.25	-13.00	-55.25	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band13 QPSK BW:5M		
	784.5 MHz		
Polarization:	Vertical		
Remark:			



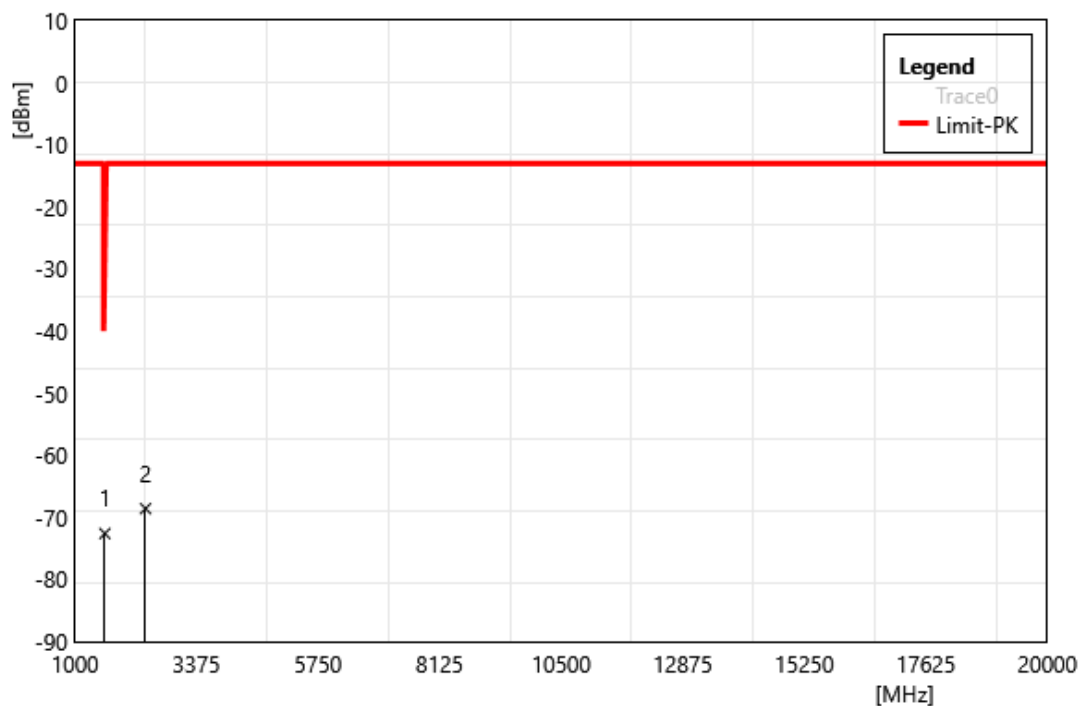
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1569.00	-64.12	-7.38	-71.50	-40.00	-31.50	PEAK
2	2353.50	-63.57	-4.35	-67.92	-13.00	-54.92	PEAK

Test Site:	96603-WG	Standard:	Part 90
Test Mode:	LTE band14 QPSK BW:10M		
	793 MHz		
Polarization:	Horizontal		
Remark:			



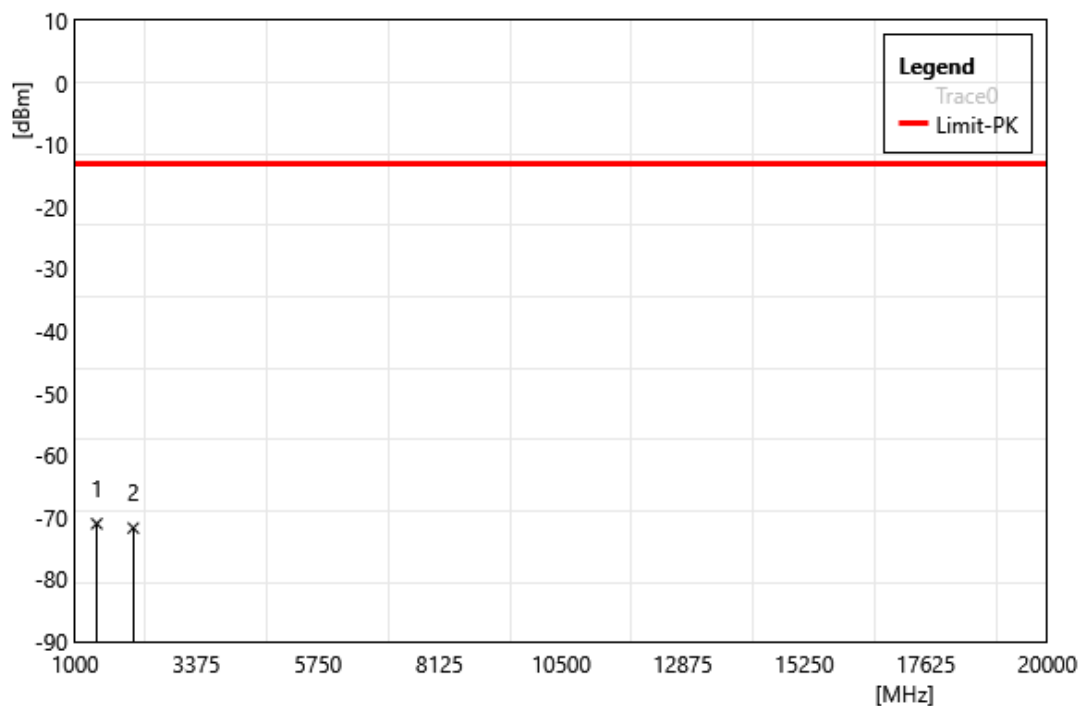
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1586.00	-65.09	-7.50	-72.59	-40.00	-32.59	PEAK
2	2379.00	-64.94	-4.72	-69.66	-13.00	-56.66	PEAK

Test Site:	96603-WG	Standard:	Part 90
Test Mode:	LTE band14 QPSK BW:10M		
	793 MHz		
Polarization:	Vertical		
Remark:			



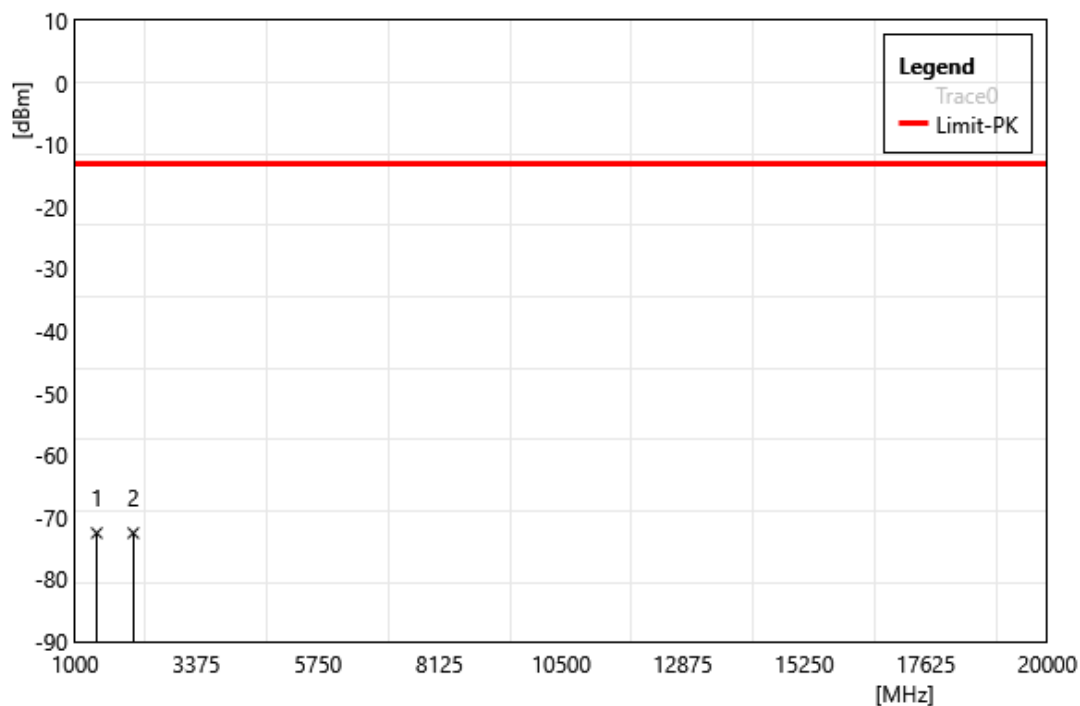
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1586.00	-65.10	-7.50	-72.60	-40.00	-32.60	PEAK
2	2379.00	-63.88	-4.72	-68.60	-13.00	-55.60	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band17 QPSK BW:5M		
	713.5 MHz		
Polarization:	Horizontal		
Remark:			



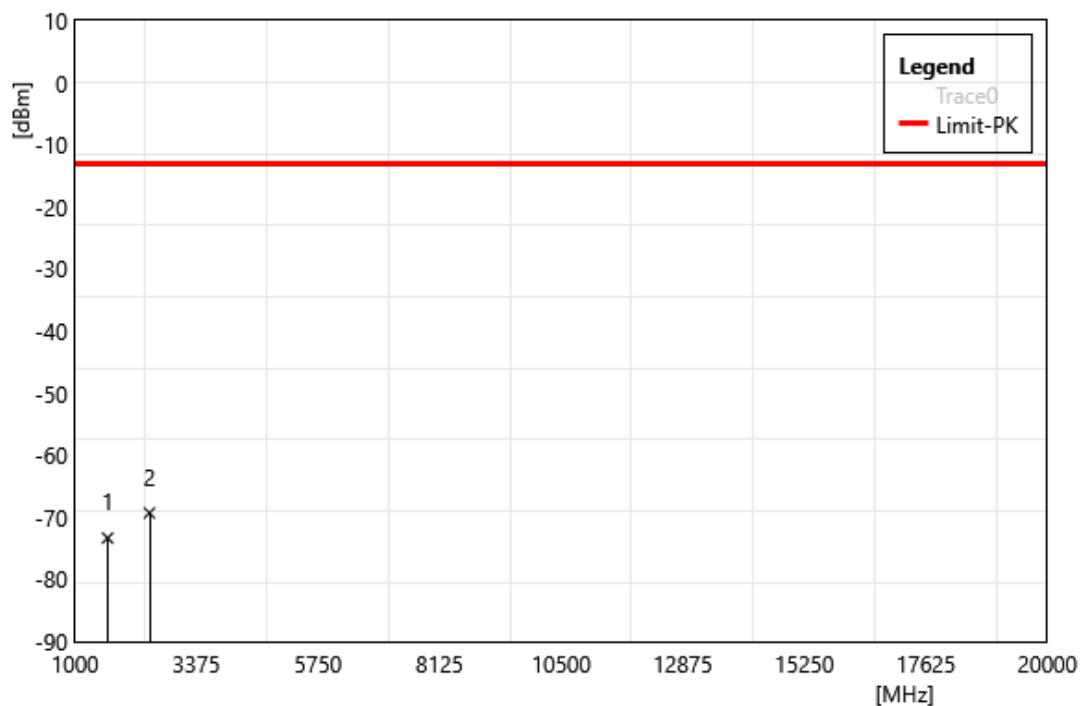
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1427.00	-64.15	-6.88	-71.03	-13.00	-58.03	PEAK
2	2140.50	-66.41	-5.32	-71.73	-13.00	-58.73	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band17 QPSK BW:5M		
	713.5 MHz		
Polarization:	Vertical		
Remark:			



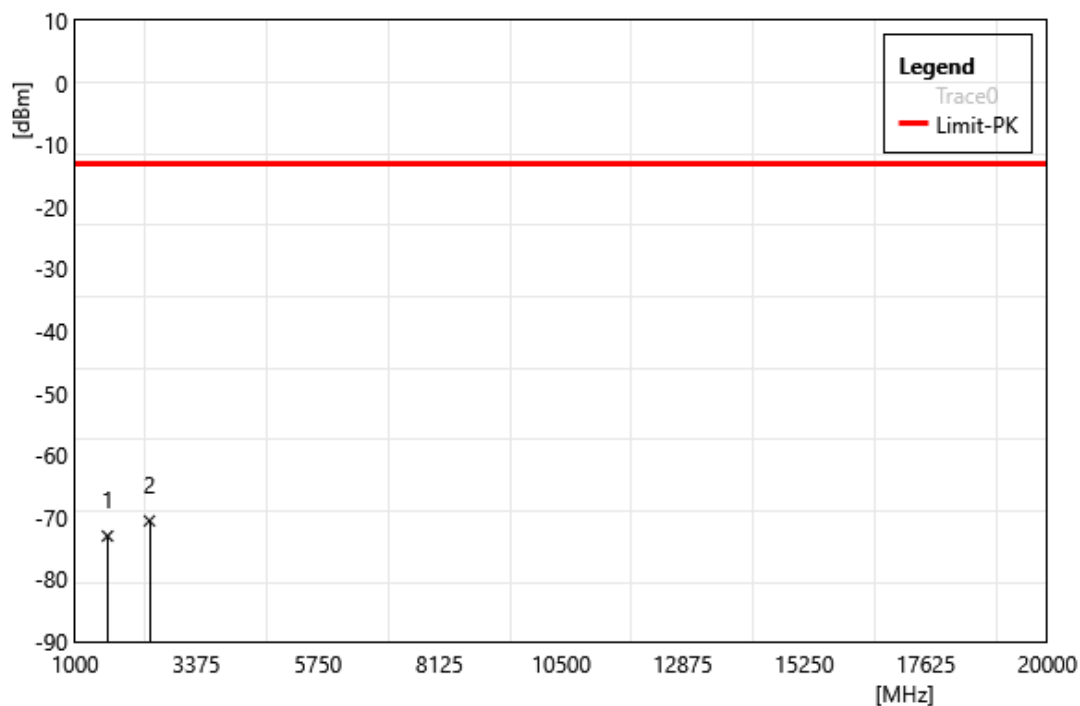
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1427.00	-65.64	-6.88	-72.52	-13.00	-59.52	PEAK
2	2140.50	-67.21	-5.32	-72.53	-13.00	-59.53	PEAK

Test Site:	96603-WG	Standard:	Part 90
Test Mode:	LTE band26 QPSK BW:10M		
	819 MHz		
Polarization:	Horizontal		
Remark:			



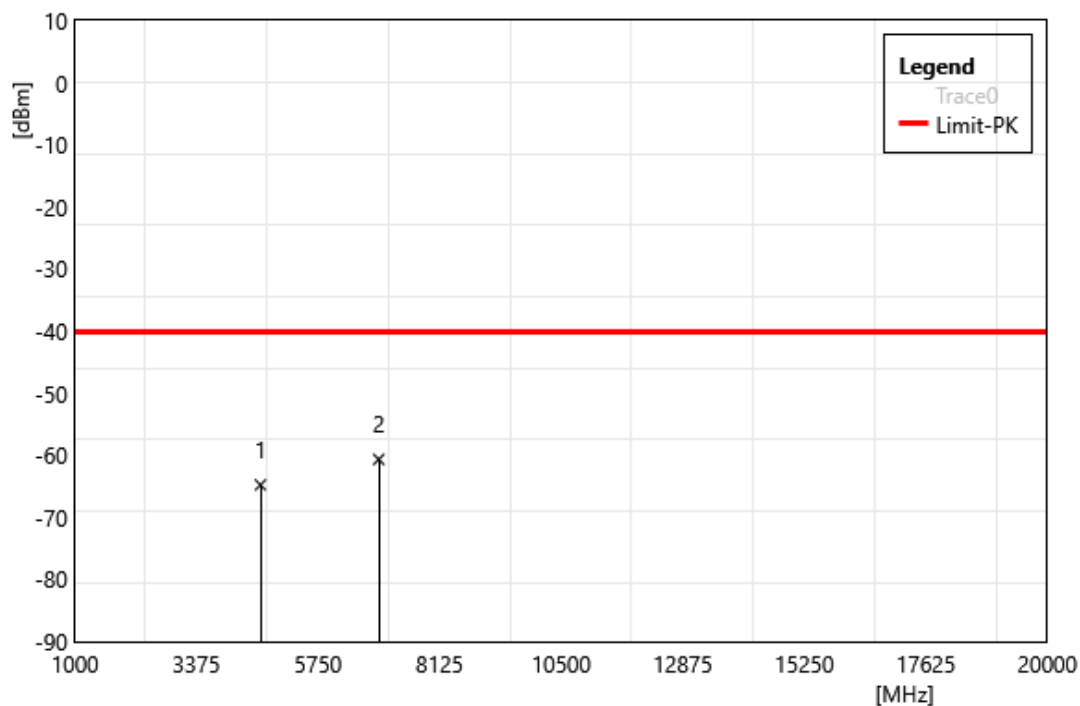
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1638.00	-65.84	-7.49	-73.33	-13.00	-60.33	PEAK
2	2457.00	-64.56	-4.73	-69.29	-13.00	-56.29	PEAK

Test Site:	96603-WG	Standard:	Part 90
Test Mode:	LTE band26 QPSK BW:10M		
	819 MHz		
Polarization:	Vertical		
Remark:			



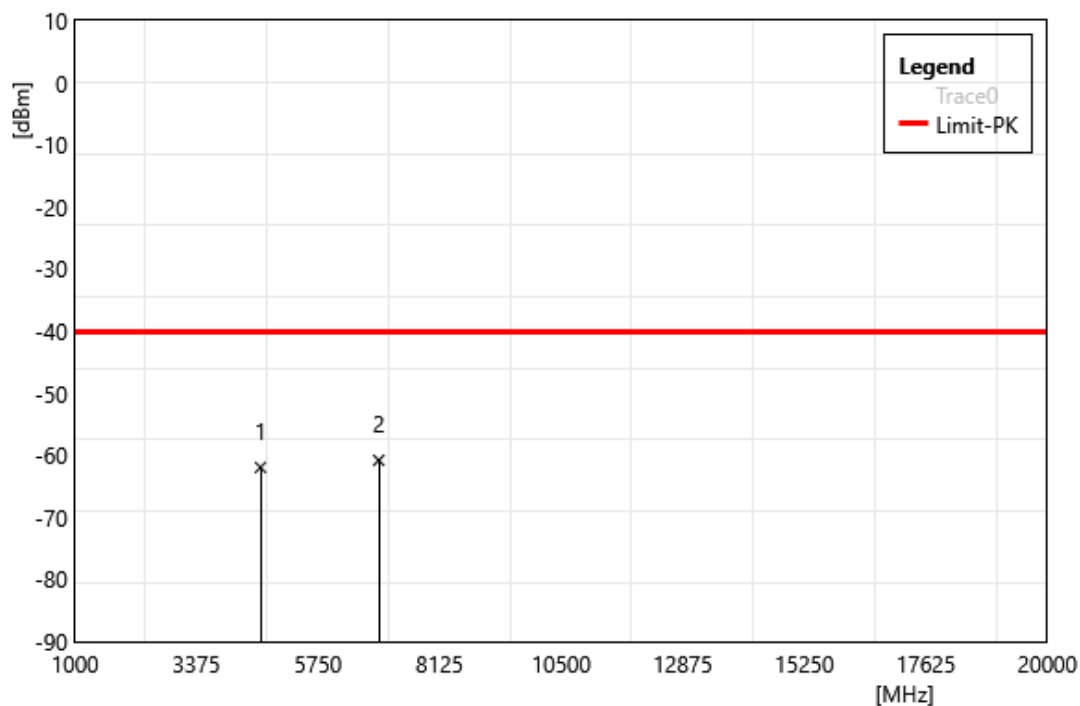
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1638.00	-65.53	-7.49	-73.02	-13.00	-60.02	PEAK
2	2457.00	-65.84	-4.73	-70.57	-13.00	-57.57	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band30 QPSK BW:5M		
	2312.5 MHz		
Polarization:	Horizontal		
Remark:			



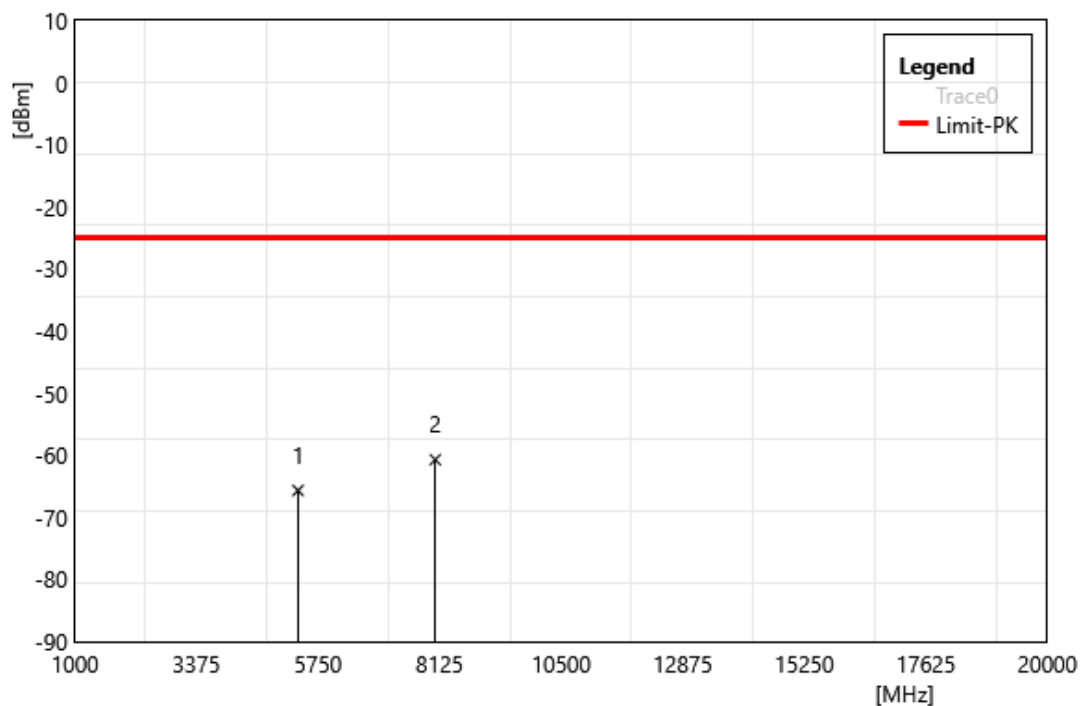
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	4625.00	-65.75	0.98	-64.77	-40.00	-24.77	PEAK
2	6937.50	-66.98	6.31	-60.67	-40.00	-20.67	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band30 QPSK BW:5M		
	2312.5 MHz		
Polarization:	Vertical		
Remark:			



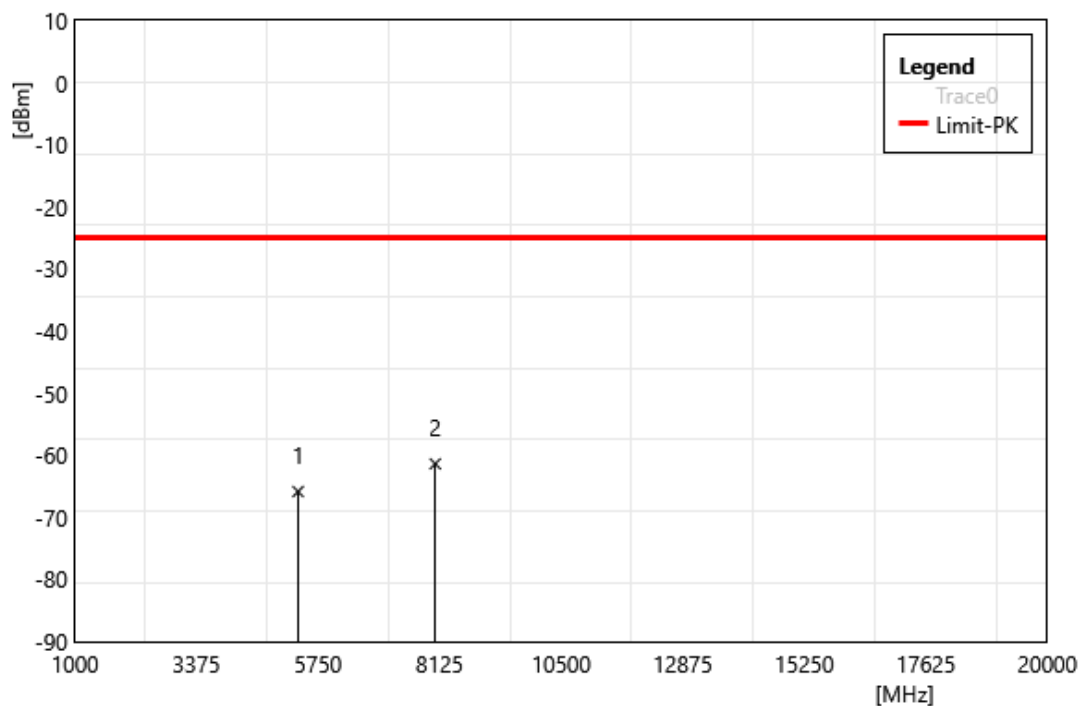
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	4625.00	-62.94	0.98	-61.96	-40.00	-21.96	PEAK
2	6937.50	-67.13	6.31	-60.82	-40.00	-20.82	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band38/41 QPSK		
	BW:20M 2680 MHz		
Polarization:	Horizontal		
Remark:			



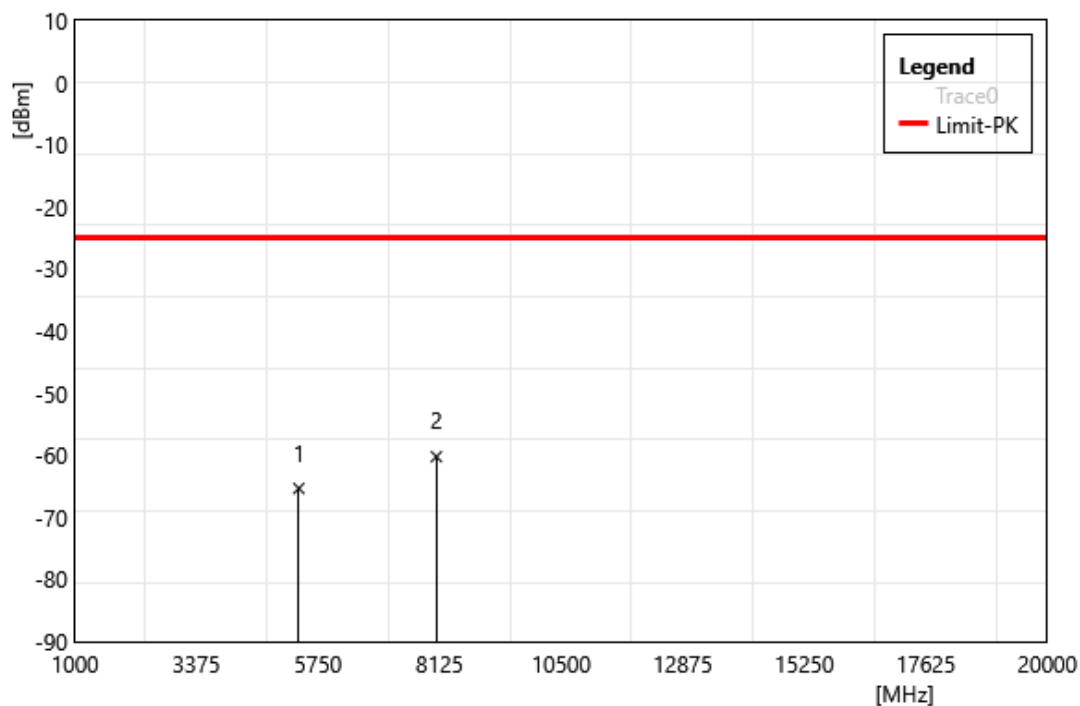
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	5360.00	-67.17	1.50	-65.67	-25.00	-40.67	PEAK
2	8040.00	-67.22	6.51	-60.71	-25.00	-35.71	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band38/41 QPSK		
	BW:20M 2680 MHz		
Polarization:	Vertical		
Remark:			



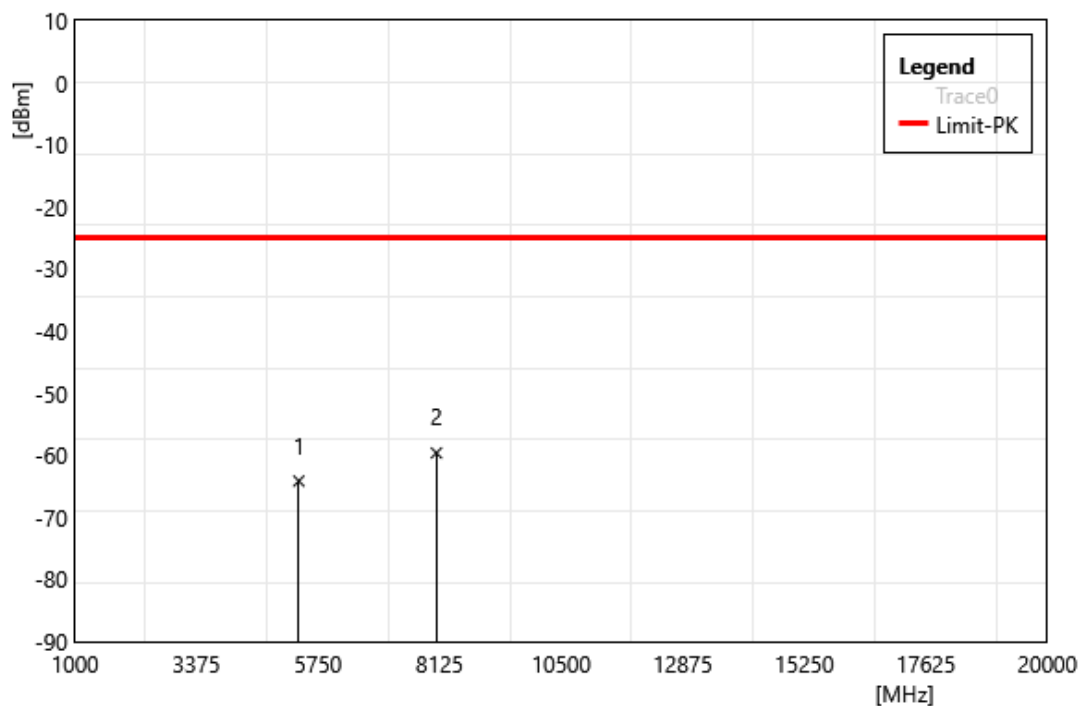
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	5360.00	-67.35	1.50	-65.85	-25.00	-40.85	PEAK
2	8040.00	-67.90	6.51	-61.39	-25.00	-36.39	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band38/41 QPSK		
	BW:5M 2687.5 MHz		
Polarization:	Horizontal		
Remark:	HPUE		



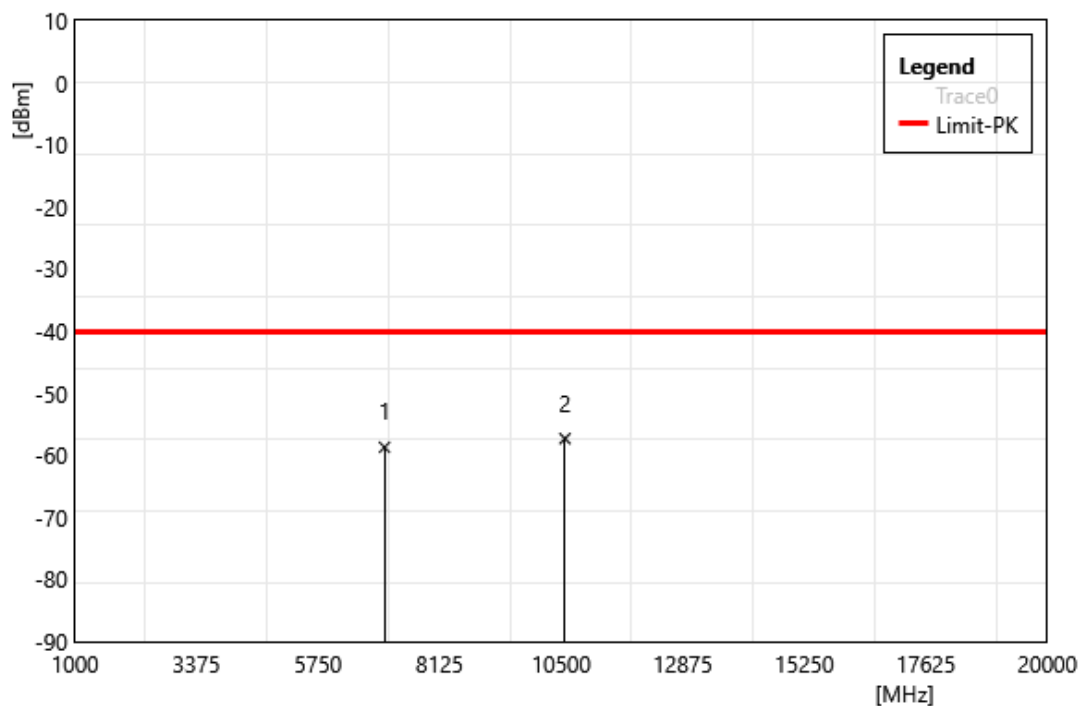
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	5375.00	-66.84	1.50	-65.34	-25.00	-40.34	PEAK
2	8062.50	-66.60	6.36	-60.24	-25.00	-35.24	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band38/41 QPSK		
	BW:5M 2687.5 MHz		
Polarization:	Vertical		
Remark:	HPUE		



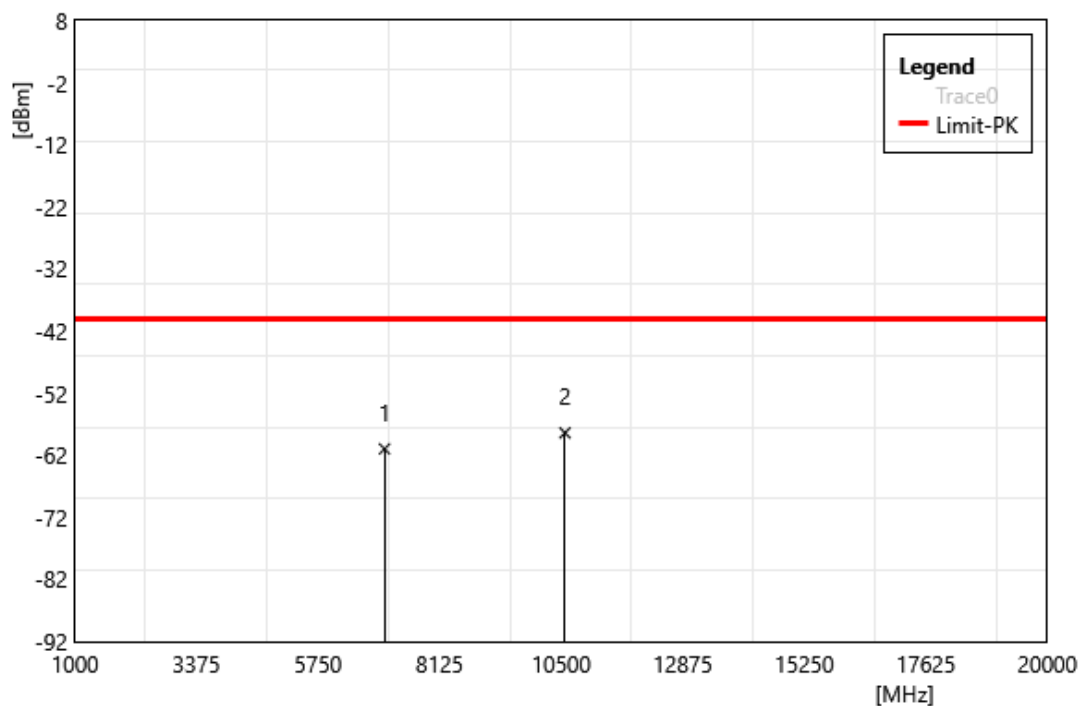
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	5375.00	-65.65	1.50	-64.15	-25.00	-39.15	PEAK
2	8062.50	-65.99	6.36	-59.63	-25.00	-34.63	PEAK

Test Site:	96603-WG	Standard:	Part 96
Test Mode:	LTE band42 QPSK BW:5M		
	3525 MHz		
Polarization:	Horizontal		
Remark:			



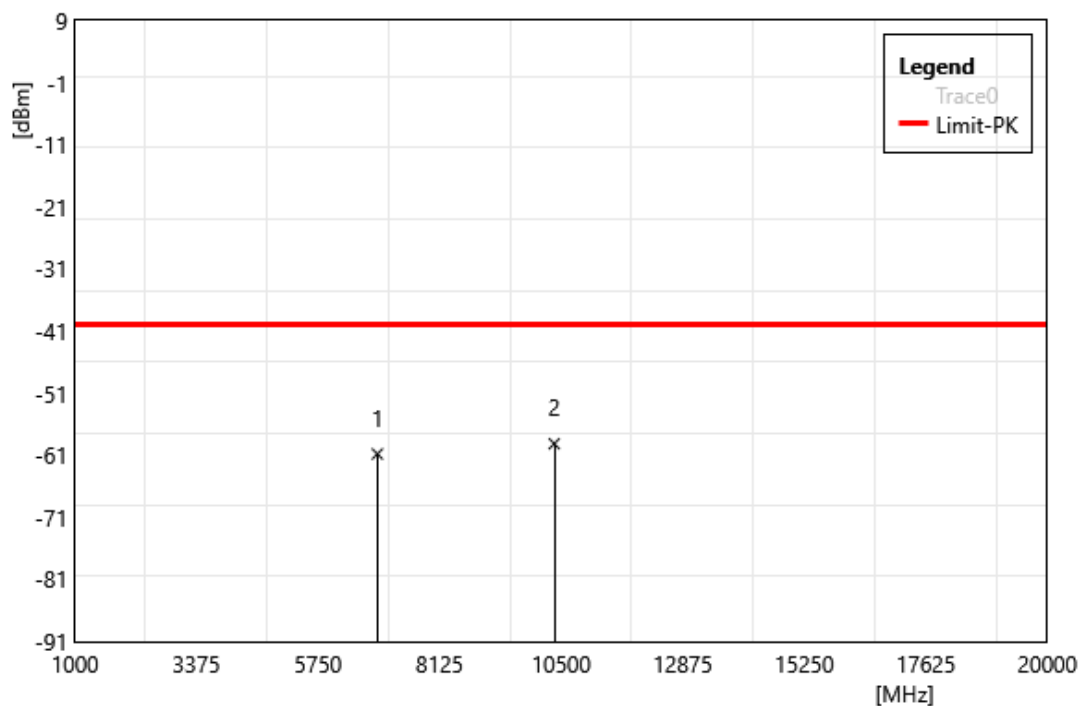
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7050.00	-65.02	6.32	-58.70	-40.00	-18.70	PEAK
2	10575.00	-64.10	6.78	-57.32	-40.00	-17.32	PEAK

Test Site:	96603-WG	Standard:	Part 96
Test Mode:	LTE band42 QPSK BW:5M		
	3525 MHz		
Polarization:	Vertical		
Remark:			



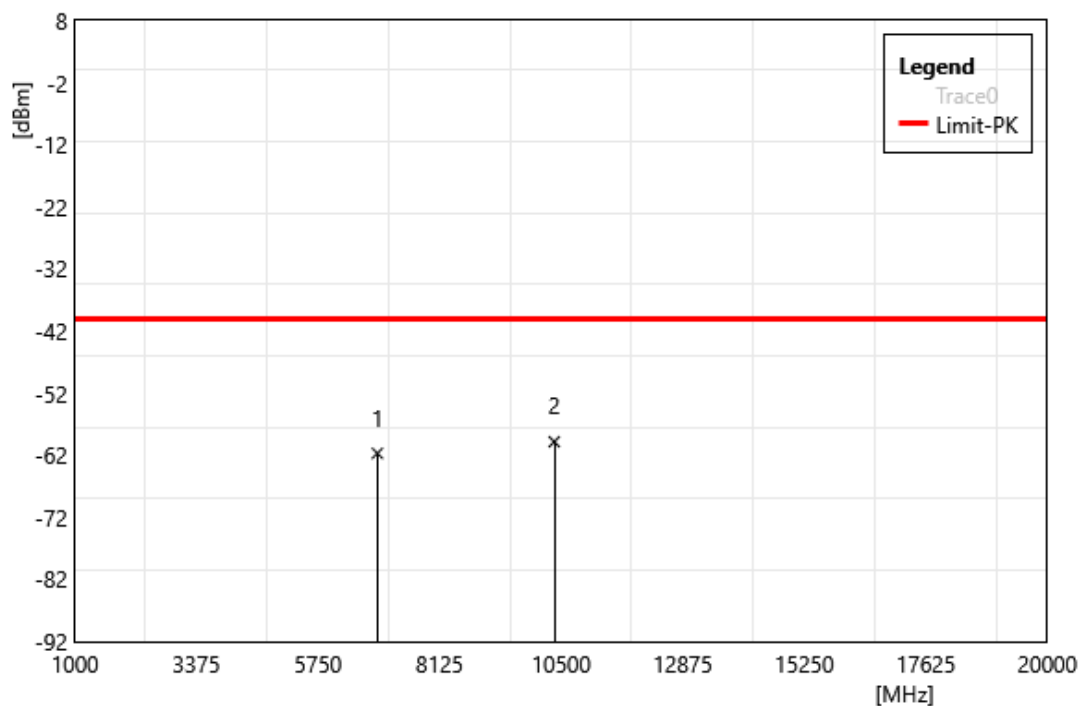
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7050.00	-67.29	6.32	-60.97	-40.00	-20.97	PEAK
2	10575.00	-65.17	6.78	-58.39	-40.00	-18.39	PEAK

Test Site:	96603-WG	Standard:	Part 96
Test Mode:	LTE band42 QPSK BW:10M		
	3455 MHz		
Polarization:	Horizontal		
Remark:	HPUE		



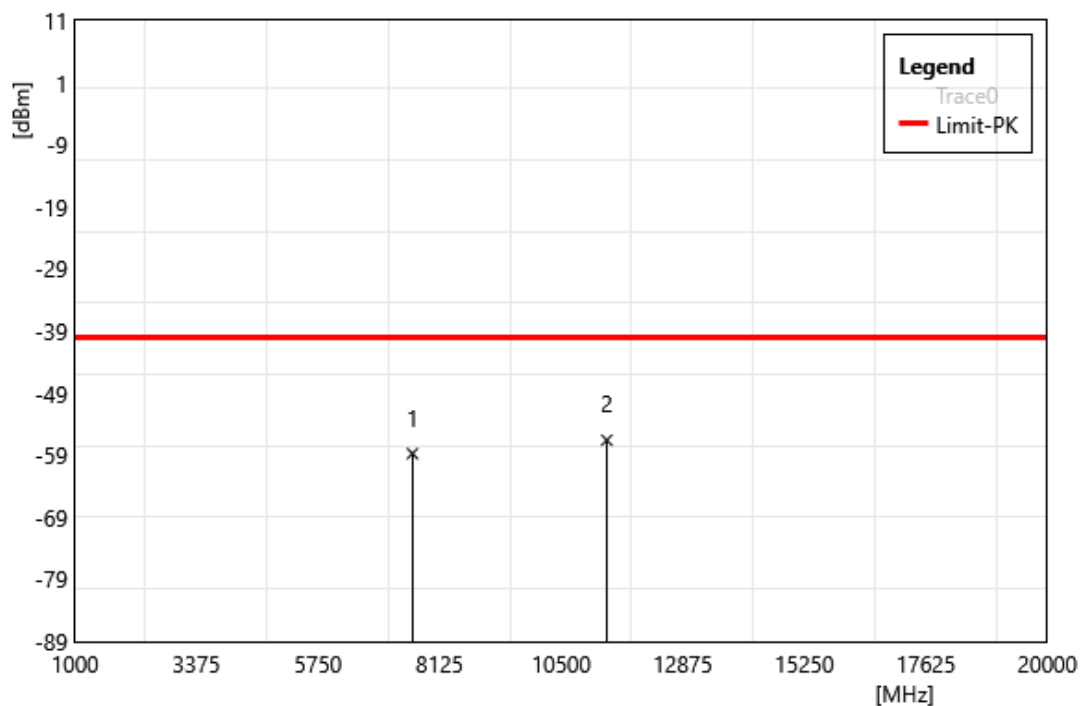
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	6910.00	-67.05	6.26	-60.79	-40.00	-20.79	PEAK
2	10365.00	-65.87	6.72	-59.15	-40.00	-19.15	PEAK

Test Site:	96603-WG	Standard:	Part 96
Test Mode:	LTE band42 QPSK BW:10M		
	3455 MHz		
Polarization:	Vertical		
Remark:	HPUE		



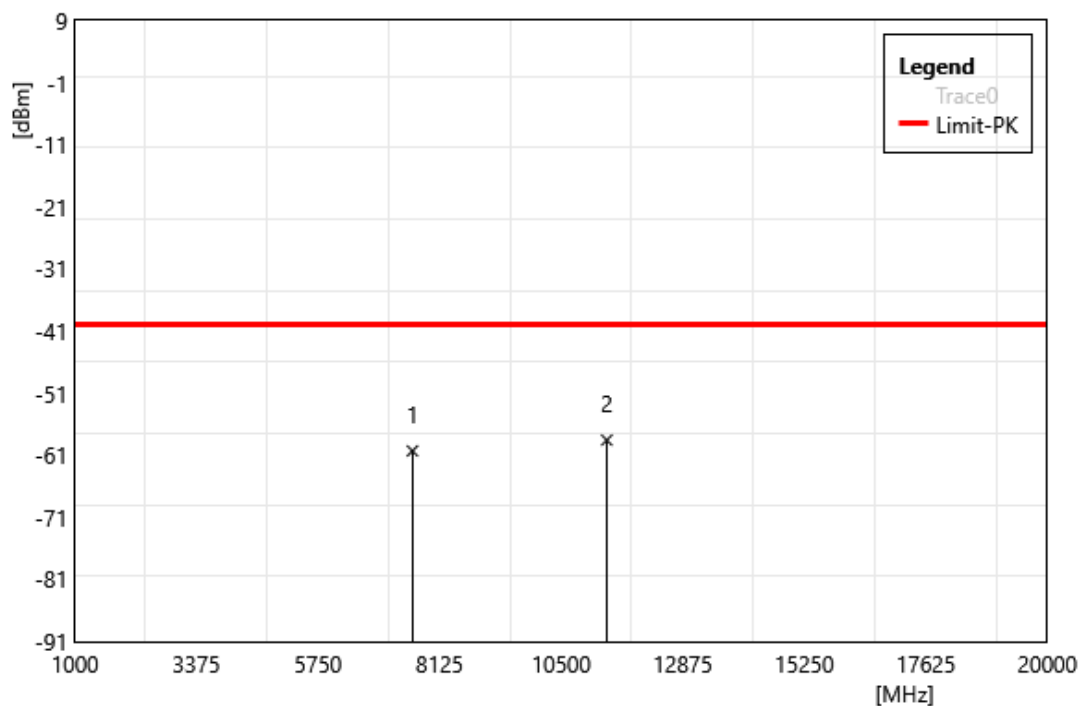
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	6910.00	-67.96	6.26	-61.70	-40.00	-21.70	PEAK
2	10365.00	-66.54	6.72	-59.82	-40.00	-19.82	PEAK

Test Site:	96603-WG	Standard:	Part 96
Test Mode:	LTE band43 QPSK BW:5M		
	3797.5 MHz		
Polarization:	Horizontal		
Remark:			



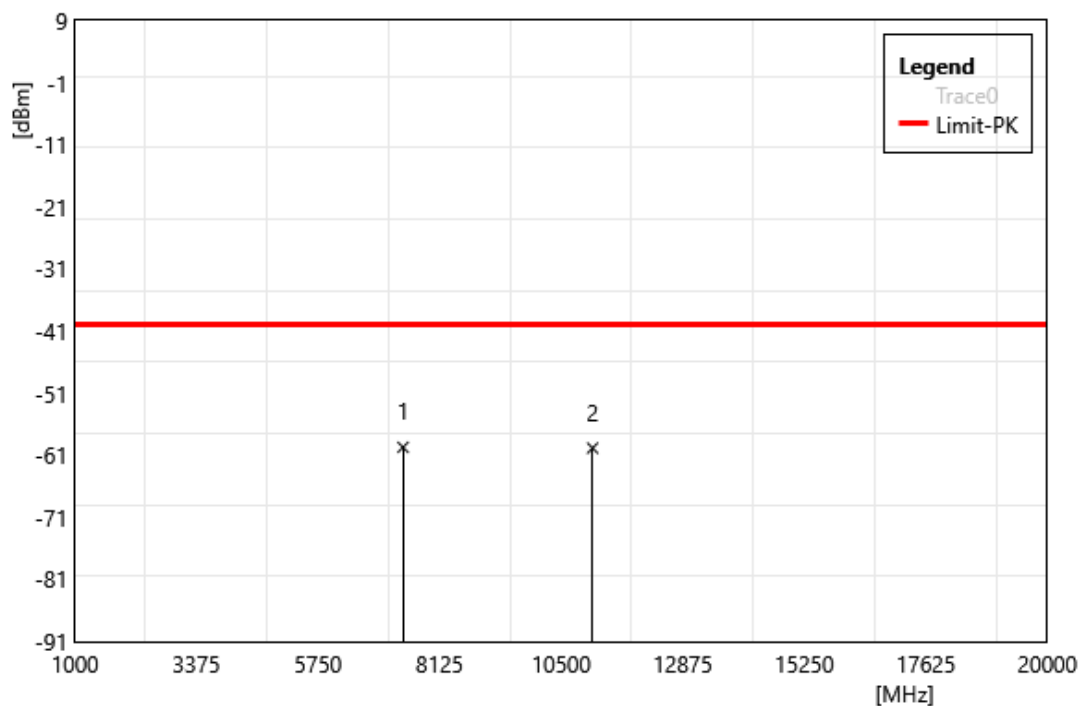
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7595.00	-65.58	6.85	-58.73	-40.00	-18.73	PEAK
2	11392.50	-63.98	7.40	-56.58	-40.00	-16.58	PEAK

Test Site:	96603-WG	Standard:	Part 96
Test Mode:	LTE band43 QPSK BW:5M		
	3797.5 MHz		
Polarization:	Vertical		
Remark:			



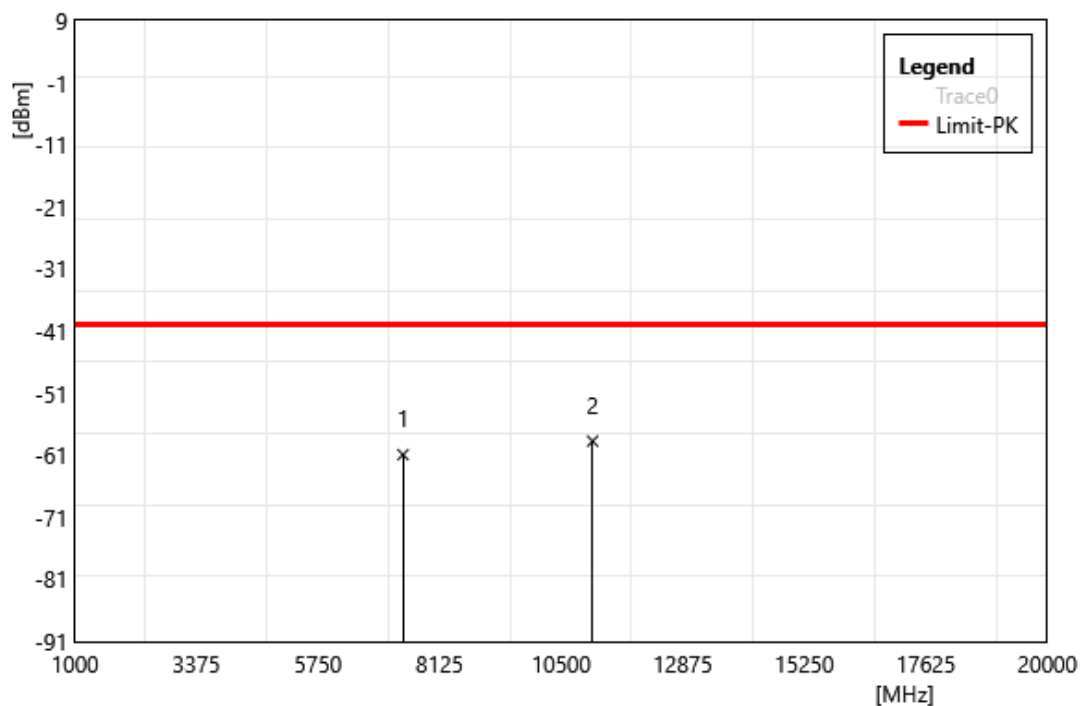
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7595.00	-67.15	6.85	-60.30	-40.00	-20.30	PEAK
2	11392.50	-65.96	7.40	-58.56	-40.00	-18.56	PEAK

Test Site:	96603-WG	Standard:	Part 96
Test Mode:	LTE band43 QPSK BW:10M		
	3705 MHz		
Polarization:	Horizontal		
Remark:	HPUE		



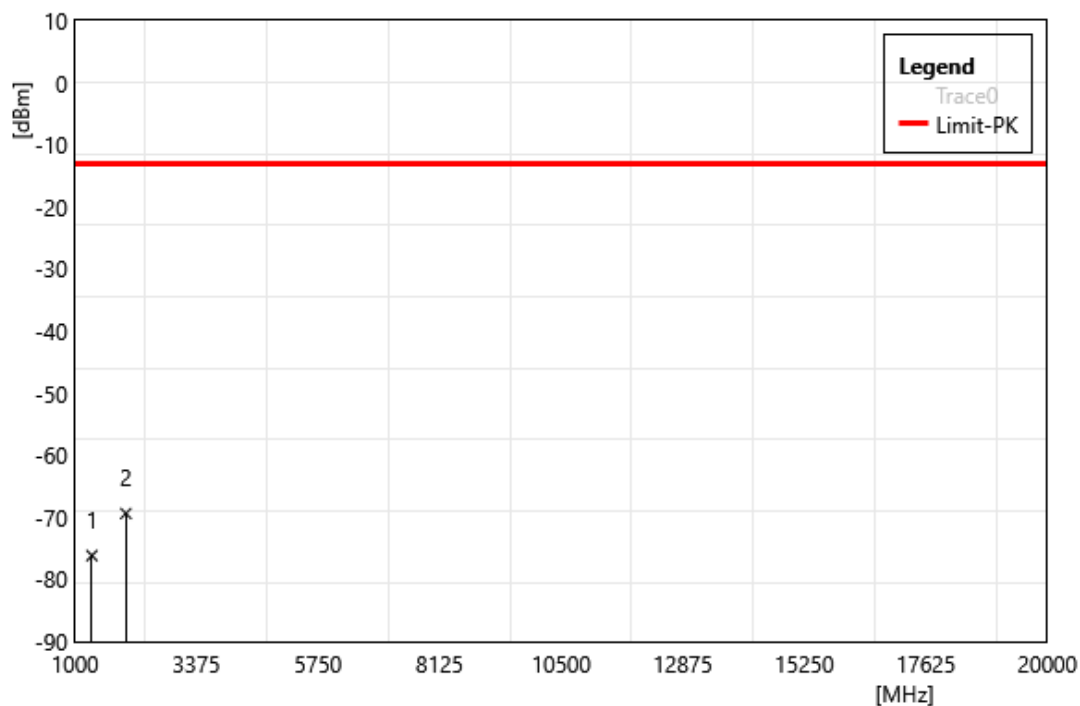
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7410.00	-66.28	6.56	-59.72	-40.00	-19.72	PEAK
2	11115.00	-67.12	7.26	-59.86	-40.00	-19.86	PEAK

Test Site:	96603-WG	Standard:	Part 96
Test Mode:	LTE band43 QPSK BW:10M		
	3705 MHz		
Polarization:	Vertical		
Remark:	HPUE		



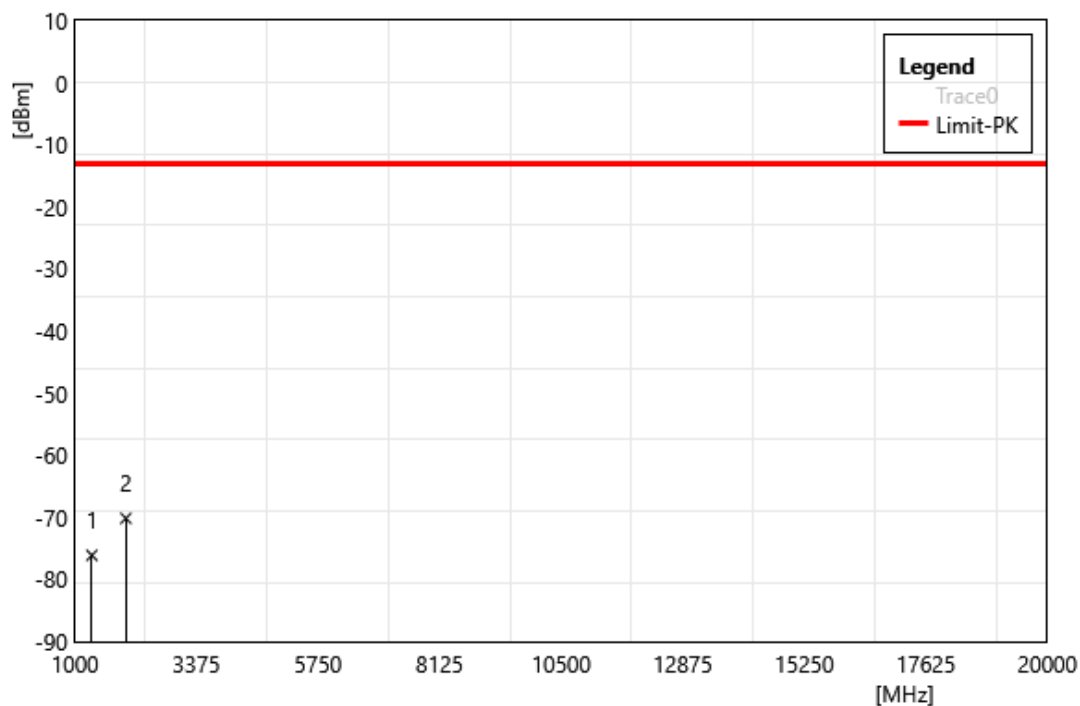
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7410.00	-67.46	6.56	-60.90	-40.00	-20.90	PEAK
2	11115.00	-65.98	7.26	-58.72	-40.00	-18.72	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band71 QPSK BW:5M		
	665.5 MHz		
Polarization:	Horizontal		
Remark:			



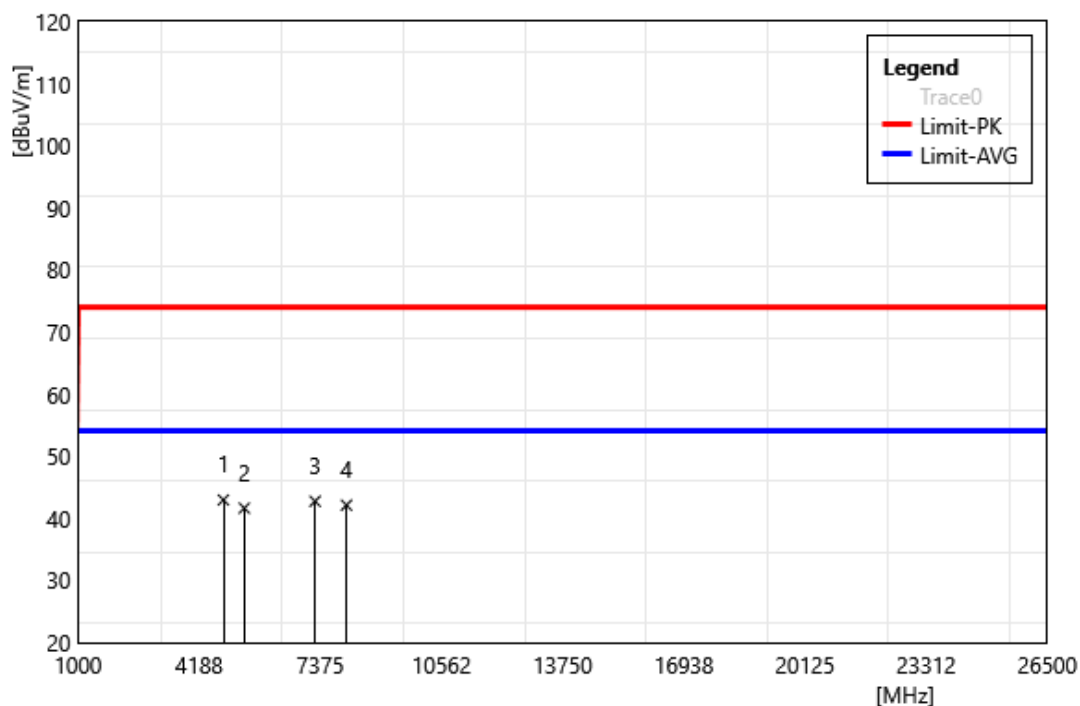
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1331.00	-68.59	-7.57	-76.16	-13.00	-63.16	PEAK
2	1996.50	-63.90	-5.48	-69.38	-13.00	-56.38	PEAK

Test Site:	96603-WG	Standard:	Part 27
Test Mode:	LTE band71 QPSK BW:5M		
	665.5 MHz		
Polarization:	Vertical		
Remark:			



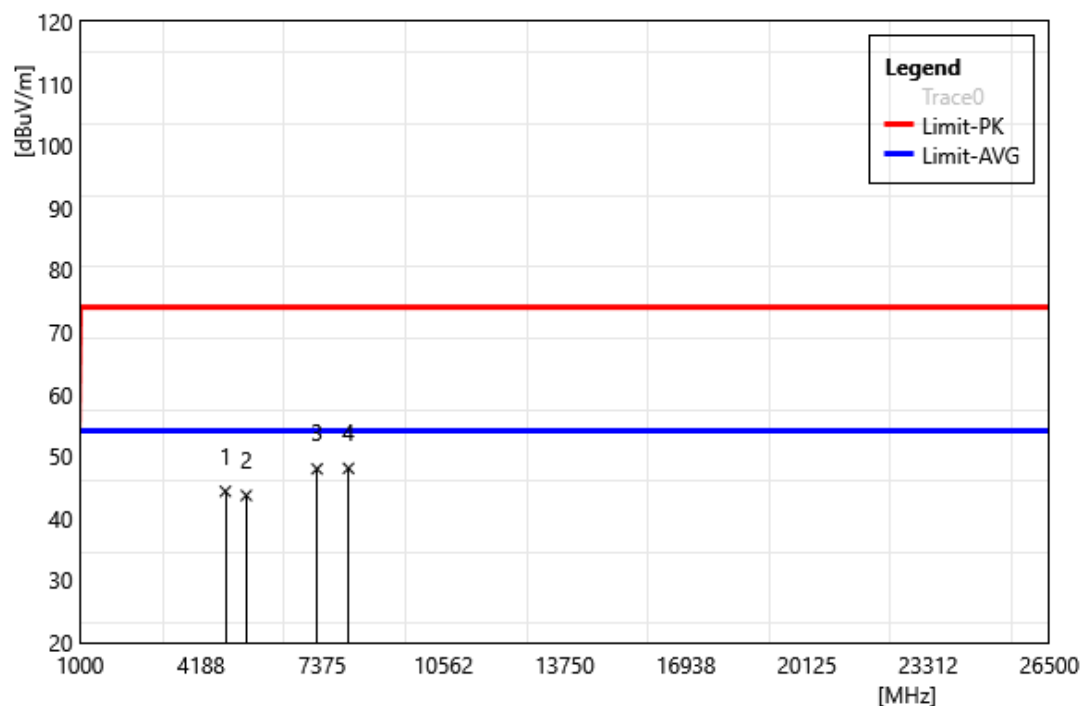
ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	1331.00	-68.55	-7.57	-76.12	-13.00	-63.12	PEAK
2	1996.50	-64.69	-5.48	-70.17	-13.00	-57.17	PEAK

Test Site:	96603-WG	Standard:	Part 22/24/27/90S/90R
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	2.4G b mode 2412 + LTE b38_HPUE 2687.5 MHz		



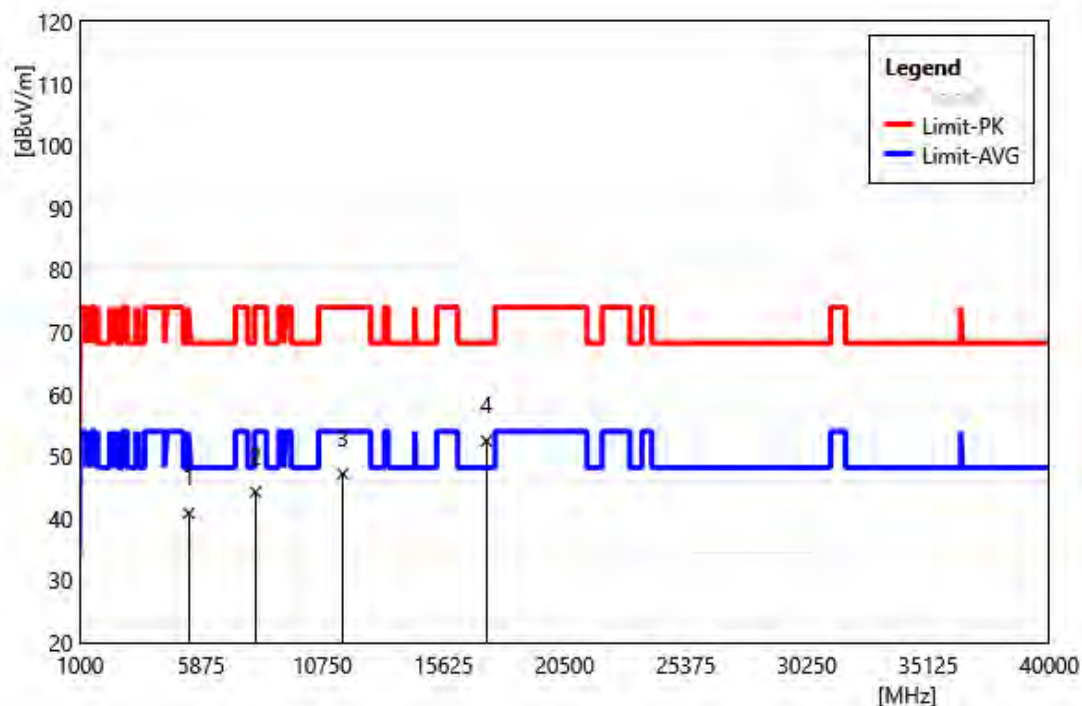
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	4824.00	41.38	1.58	42.96	74.00	-31.04	PEAK
2	5375.00	39.89	1.75	41.64	74.00	-32.36	PEAK
3	7236.00	36.21	6.55	42.76	74.00	-31.24	PEAK
4	8062.50	35.63	6.50	42.13	74.00	-31.87	PEAK

Test Site:	96603-WG	Standard:	Part 22/24/27/90S/90R
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	2.4G b mode 2412 + LTE b38_HPUE 2687.5 MHz		



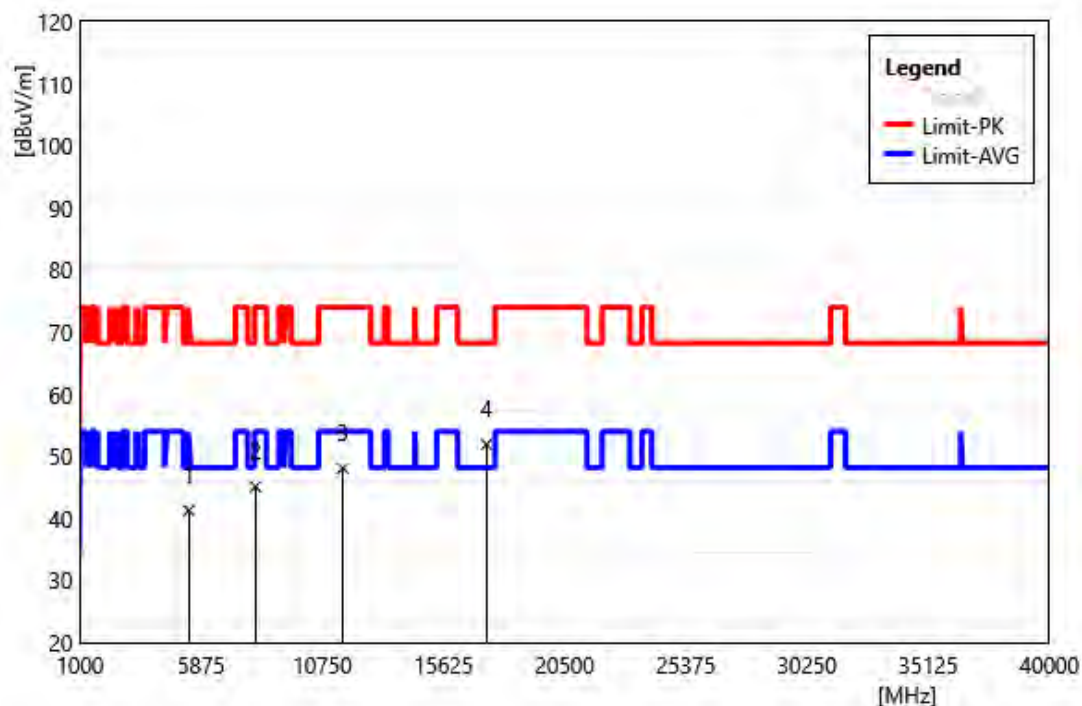
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	4824.00	42.77	1.58	44.35	74.00	-29.65	PEAK
2	5375.00	41.94	1.75	43.69	74.00	-30.31	PEAK
3	7236.00	41.42	6.55	47.97	74.00	-26.03	PEAK
4	8062.50	41.56	6.50	48.06	74.00	-25.94	PEAK

Test Site:	96603-WG	Standard:	Part 22/24/27/90S/90R
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	5G a mode 5785 + LTE b38_HPUE 2687.5 MHz		



ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	5375.00	39.06	1.75	40.81	74.00	-33.19	PEAK
2	8062.50	37.73	6.50	44.23	74.00	-29.77	PEAK
3	11570.00	39.49	7.68	47.17	74.00	-26.83	PEAK
4	17355.00	44.97	7.48	52.45	68.20	-15.75	PEAK

Test Site:	96603-WG	Standard:	Part 22/24/27/90S/90R
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	5G a mode 5785 + LTE b38_HPUE 2687.5 MHz		



ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	5375.00	39.51	1.75	41.26	74.00	-32.74	PEAK
2	8062.50	38.60	6.50	45.10	74.00	-28.90	PEAK
3	11570.00	40.39	7.68	48.07	74.00	-25.93	PEAK
4	17355.00	44.44	7.48	51.92	68.20	-16.28	PEAK

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