

RF Test Report

Applicant : D-Link Corporation

Product Name : 5G NR AX3000 Wi-Fi 6 Router

Trade Name : D-Link

Model Number : G530, G530/X, G530/XX, G530/XXX (X is A-Z and 0-9)

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

Received Date : Jan. 23, 2025

Test Period : Feb. 10, 2025 ~ May 12, 2025

Issued Date : May 23, 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	May 23, 2025	Initial Issue	Snow Wang

Verification of Compliance

Applicant : D-Link Corporation

Product Name : 5G NR AX3000 Wi-Fi 6 Router

Trade Name : D-Link

Model Number : G530, G530/X, G530/XX, G530/XXX (X is A-Z and 0-9)

FCC ID : KA2G530B1

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

Test Result : Complied

Issued By : Eurofins E&E Wireless Taiwan Co., Ltd.
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Taiwan Accreditation Foundation accreditation number: 1330



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

Approved By

: Kai Yu Yang

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Appendix A. Test Results_Power and ERP, EIRP

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Appendix C. Test Setup Photographs

1 General Information

1.1. Summary of Test Result

FCC Rule	Description	Result
§2.1046	Conducted Output Average Power	Reference
§22.913 §24.232 §27.50	Equivalent Isotropic Radiated Power / Equivalent Radiated Power	Pass
§2.1055 §22.355 §24.235 §27.54	Frequency Stability	Pass
§2.1049	Emission Bandwidth & Occupied Bandwidth	Reference
§24.232 §27.50	Peak to Average Power Ratio	Pass
§2.1051 §22.917 §24.238 §27.53	Band Edge	Pass
§2.1051 §22.917 §24.238 §27.53	Conducted Spurious Emissions	Pass
§2.1053 §22.917 §24.238 §27.53	Radiated Spurious Emissions	Pass

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				
	BD		WG		
Conducted Output Average Power	1.1 dB		1.1 dB		
Effective Radiated Power / Equivalent Isotropic Radiated Power	1.1 dB		1.1 dB		
Frequency Stability	1.3 x 10 ⁻⁷ x fc (Hz)		1.3 x 10 ⁻⁷ x fc (Hz)		
Emission Bandwidth & Occupied Bandwidth	4.4 %		4.4 %		
Peak to Average Power Ratio	1.1 dB		1.1 dB		
Band Edge	1.1 dB		1.1 dB		
Conducted Spurious Emission	1.1 dB		1.1 dB		
Parameter	Uncertainty				
	96601-BD	96603-BD	96602-WG	96603-WG	96604-WG
Radiated Emission	6.3 dB	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.

Test Setting Condition		
L.V.	Low Voltage	DC 10.8 V
N.V.	Normal Voltage	DC 12 V
H.V.	High Voltage	DC 13.2 V
L.T.	Low Temperature	0 °C
N.T.	Normal Temperature	+25 °C
H.T.	High Temperature	+40 °C

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.

Applicant	D-Link Corporation 14420 Myford Road Suite 100 Irvine California United States 92606
Product Name	5G NR AX3000 Wi-Fi 6 Router
Trade Name	D-Link
Model Number	G530, G530/X, G530/XX, G530/XXX (X is A-Z and 0-9)
Difference description of model number	Different model numbers are for market purpose.
FCC ID	KA2G530B1
IMEI No.	867626050392871
Operate Temp. Range	0 ~ 40 °C
EUT Power Rating	DC 12 V, 2.0 A

5G NR				
Operation Band (NR):	☐ n2	☐ n5	☒ n7	☐ n12
	☐ n13	☐ n14	☐ n25	☐ n26
	☐ n30	☒ n38	☒ n41	☐ n48
	☐ n66	☐ n70	☐ n71	☒ n77
	☒ n78			
Support type:	☒ Standalone	☒ EN-DC		
	☐ CA-UL	☒ CA-DL	☒ MIMO-UL	
Modulation type:	☒ DFT-s-OFDM	PI/2-BPSK, QPSK, 16QAM, 64QAM, 256QAM		
	☒ CP-OFDM	QPSK, 16QAM, 64QAM, 256QAM		
Power Class:	☒ Class 3	☒ Class 2 (n41 , n77 ,n78,)	☐ Class 1.5	
Note: Detail Power information shall refer to power table. Wider operating frequency band range covers narrower one when the power is worse as follows: n41 cover n38 (Part 27) n77 cover n78 (Part 270) n77 cover n78 (Part 27Q)				

Testing Sample No.	
Test Item	Sample Number
Radiation	C251294_A002
Conducted	C251294_A002

EN-DC Carrier Aggregation Possible Combinations	The technical description includes all the possible carrier aggregation combinations
LTE Anchor Bands for NR n7	LTE Band 2 , 5 , 66
LTE Anchor Bands for NR n77	LTE Band 7
LTE Anchor Bands for NR n78	LTE Band 2 , 4 , 5 , 7, 38, 40, 41, 66

NR n7	PI2 BPSK / QPSK			16QAM / 64QAM / 256QAM		
BW(MHz)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)
5	4.6361	4M64G7D	0.345	4.6542	4M65W7D	0.254
10	9.3259	9M33G7D	0.369	9.3271	9M33W7D	0.254
15	14.1325	14M1G7D	0.278	14.1553	14M2W7D	0.251
20	18.8767	18M9G7D	0.372	18.8935	18M9W7D	0.261
NR n38	PI2 BPSK / QPSK			16QAM / 64QAM / 256QAM		
BW(MHz)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)
10	---	---	0.413	---	---	0.305
15	---	---	0.432	---	---	0.321
20	---	---	0.413	---	---	0.322
40	---	---	0.456	---	---	0.339
NR n41	PI2 BPSK / QPSK			16QAM / 64QAM / 256QAM		
BW(MHz)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)
10 MHz	8.7693	8M77G7D	0.615	8.6539	8M65G7D	0.320
15 MHz	13.7421	13M7G7D	0.612	13.6614	13M7G7D	0.341
20 MHz	18.2301	18M2G7D	0.640	18.2792	18M3G7D	0.344
40 MHz	37.9193	37M9G7D	0.698	37.9368	37M9G7D	0.378
50 MHz	47.3705	47M4G7D	0.671	47.3335	47M3G7D	0.352
60 MHz	57.9543	58M0G7D	0.713	58.0193	58M0G7D	0.361
80 MHz	77.3490	77M3G7D	0.738	77.3931	77M4G7D	0.386
90 MHz	87.8985	87M9G7D	0.750	87.9065	87M9G7D	0.419
100 MHz	97.3958	97M4G7D	0.752	97.4698	97M5G7D	0.365

NR n77 (3450-3550)	PI2 BPSK / QPSK			16QAM / 64QAM / 256QAM		
BW(MHz)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)
10 MHz	8.6258	8M63G7D	0.412	8.6218	8M62G7D	0.409
15 MHz	13.6000	13M6G7D	0.519	13.6202	13M6G7D	0.440
20 MHz	18.1918	18M2G7D	0.437	18.2335	18M2G7D	0.432
40 MHz	37.8158	37M8G7D	0.459	37.7617	37M8G7D	0.452
50 MHz	47.2972	47M3G7D	0.435	47.2874	47M3G7D	0.432
60 MHz	57.7614	57M8G7D	0.442	57.8231	57M8G7D	0.440
80 MHz	77.2941	77M3G7D	0.462	77.2560	77M3G7D	0.458
60 MHz	87.5816	87M6G7D	0.524	87.6654	87M7G7D	0.507
100 MHz	97.1555	97M2G7D	0.537	97.1701	97M2G7D	0.520
NR n77 (3700-3980)	PI2 BPSK / QPSK			16QAM / 64QAM / 256QAM		
BW(MHz)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)
10 MHz	8.6338	8M63G7D	0.324	8.6511	8M65G7D	0.321
15 MHz	13.6234	13M6G7D	0.356	13.6286	13M6G7D	0.349
20 MHz	18.2236	18M2G7D	0.371	18.2168	18M2G7D	0.366
40 MHz	37.8213	37M8G7D	0.389	37.8244	37M8G7D	0.385
50 MHz	47.3947	47M4G7D	0.356	47.3366	47M3G7D	0.352
60 MHz	57.8613	57M9G7D	0.389	57.8103	57M8G7D	0.383
80 MHz	77.3718	77M4G7D	0.387	77.2853	77M3G7D	0.384
90 MHz	87.7247	87M7G7D	0.456	87.7809	87M8G7D	0.450
100 MHz	97.2341	97M2G7D	0.468	97.2319	97M2G7D	0.461

NR n78 (3450-3550)	PI2 BPSK / QPSK			16QAM / 64QAM / 256QAM		
BW(MHz)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)
10 MHz	---	---	0.397	---	---	0.387
15 MHz	---	---	0.427	---	---	0.422
20 MHz	---	---	0.416	---	---	0.411
40 MHz	---	---	0.482	---	---	0.478
50 MHz	---	---	0.434	---	---	0.431
60 MHz	---	---	0.447	---	---	0.442
80 MHz	---	---	0.457	---	---	0.452
90 MHz	---	---	0.486	---	---	0.478
100 MHz	---	---	0.495	---	---	0.484
NR n78 (3700-3800)	PI2 BPSK / QPSK			16QAM / 64QAM / 256QAM		
BW(MHz)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)	Occupied Bandwidth (MHz)	Emission Desigator	Maximum ERP/EIRP(W)
10 MHz	---	---	0.355	---	---	0.348
15 MHz	---	---	0.387	---	---	0.383
20 MHz	---	---	0.385	---	---	0.381
40 MHz	---	---	0.404	---	---	0.401
50 MHz	---	---	0.400	---	---	0.397
60 MHz	---	---	0.361	---	---	0.359
80 MHz	---	---	0.367	---	---	0.363
90 MHz	---	---	0.434	---	---	0.426
100 MHz	---	---	0.435	---	---	0.427

2.1. Product Specification of Equipment Under Test

Antenna information				
ANT	Model	Type	Max. Gain (dBi)	
ANT-1	ARY196-3277-007-00	PCB antenna	LTE Band 7	3.4
			LTE Band 38	4.2
			LTE Band 41	4.3
			LTE Band 77	4.7
			LTE Band 78	4.5
ANT-2	ARY196-3277-009-00	PCB antenna	LTE Band 7	4.5
			LTE Band 38	4.4
			LTE Band 41	4.5
			LTE Band 77	4.7
			LTE Band 78	4.7
ANT-3	ARY196-3277-011-00	PCB antenna	LTE Band 7	6.8
			LTE Band 38	6.5
			LTE Band 41	6.8
			LTE Band 77	4.7
			LTE Band 78	4.7
ANT-4	ARY196-3277-012-00	PCB antenna	LTE Band 7	4.2
			LTE Band 38	4.2
			LTE Band 41	4.2
			LTE Band 77	5.5
			LTE Band 78	5.5

Channel Bandwidth:

5G FR1 Bands																	
FCC																	
Bands	Support Power Class	Support Mode	Support / Non supportive	SCS (kHz)	Channel bandwidth (MHz)												
					5	10	15	20	25	30	40	50	60	70	80	90	100
n7	3	SA&NSA	Support	15	V	V	V	V	X	X	X	X	X	X	X	X	X
			N/A	30	X	X	X	X	X	X	X	X	X	X	X	X	X
			N/A	60	X	X	X	X	X	X	X	X	X	X	X	X	X
n38	3	SA&NSA	N/A	15	X	X	X	X	X	X	X	X	X	X	X	X	X
			Support	30	X	V	V	V	X	X	V	X	X	X	X	X	X
			N/A	60	X	X	X	X	X	X	X	X	X	X	X	X	X
n41	2	SA&NSA	N/A	15	X	X	X	X	X	X	X	X	X	X	X	X	X
			Support	30	X	V	V	V	X	X	V	V	V	X	V	V	V
			N/A	60	X	X	X	X	X	X	X	X	X	X	X	X	X
n77	2	SA&NSA	N/A	15	X	X	X	X	X	X	X	X	X	X	X	X	X
			Support	30	X	V	V	V	X	X	V	V	V	X	V	V	V
			N/A	60	X	X	X	X	X	X	X	X	X	X	X	X	X
n78	2	SA&NSA	N/A	15	X	X	X	X	X	X	X	X	X	X	X	X	X
			Support	30	X	V	V	V	X	X	V	V	V	X	V	V	V
			N/A	60	X	X	X	X	X	X	X	X	X	X	X	X	X

2.2. Mode of Operation

Three channels had been tested for each channel bandwidth.

5G NR n7				
Channel Bandwidth	5 MHz		10 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	500500	2502.5	501000	2505
Middle CH	507000	2535	507000	2535
High CH	513500	2567.5	513000	2565
Channel Bandwidth	15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	501500	2507.5	502000	2510
Middle CH	507000	2535	507000	2535
High CH	512500	2562.5	512000	2560

5G NR n38						
Channel Bandwidth	10 MHz		15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	516000	2580	517000	2585	516000	2580
Middle CH	519000	2595	519000	2595	519000	2595
High CH	522000	2610	521000	2605	522000	2610
Channel Bandwidth	40 MHz					
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	518000	2590	---	---	---	---
Middle CH	519000	2595	---	---	---	---
High CH	520000	2600	---	---	---	---

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

5G NR n41						
Channel Bandwidth	10 MHz		15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	500202	2501.01	500700	2503.5	501204	2506.02
Middle CH	518598	2592.99	518598	2592.99	518598	2592.99
High CH	537000	2685	536496	2682.48	535998	2579.99
Channel Bandwidth	40 MHz		50 MHz		60 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	503202	2516.01	504204	2521.02	505200	2526
Middle CH	518598	2592.99	518598	2592.99	518598	2592.99
High CH	534000	2670	532998	2664.99	531996	2659.98
Channel Bandwidth	80 MHz		90 MHz		100 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	507204	2563.02	508200	2541	509202	2546.01
Middle CH	518598	2592.99	518598	2592.99	518598	2592.99
High CH	529998	2649.99	528996	2644.98	528000	2640

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

5G NR n77 (3450-3550)						
Channel Bandwidth	10 MHz		15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	630334	3455.01	630500	3457.5	630668	3460.02
Middle CH	633334	3500.01	633334	3500.01	633334	3500.01
High CH	636332	3544.98	636166	3542.49	636000	3540
Channel Bandwidth	40 MHz		50 MHz		60 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	631334	3470.01	631668	3475.02	632000	3480
Middle CH	633334	3500.01	633334	3500.01	633334	3500.01
High CH	635332	3529.98	635000	3525	634666	3519.99
Channel Bandwidth	80 MHz		90 MHz		100 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	632668	3490.02	633000	3495	---	---
Middle CH	633334	3500.01	633334	3500.01	633334	3500.01
High CH	634000	3510	633666	3504.99	---	---

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

5G NR n77 (3700-3980)						
Channel Bandwidth	10 MHz		15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	647000	3705	647168	3707.52	647334	3710.01
Middle CH	656000	3840	656000	3840	656000	3840
High CH	665000	3975	664832	3972.48	664666	3969.99
Channel Bandwidth	40 MHz		50 MHz		60 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	648000	3720	648334	3725.01	648668	3730.02
Middle CH	656000	3840	656000	3840	656000	3840
High CH	664000	3960	663666	3954.99	663332	3949.98
Channel Bandwidth	80 MHz		90 MHz		100 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	649334	3740.01	649668	3745.02	650000	3750
Middle CH	656000	3840	656000	3840	656000	3840
High CH	662666	3939.99	662332	3934.98	662000	3930

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

5G NR n78 (3450-3550)						
Channel Bandwidth	10 MHz		15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	630334	3455.01	630500	3457.5	630668	3460.02
Middle CH	633334	3500.01	633334	3500.01	633334	3500.01
High CH	636332	3544.98	636166	3542.49	636000	3540
Channel Bandwidth	40 MHz		50 MHz		60 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	631334	3470.01	631668	3475.02	632000	3480
Middle CH	633334	3500.01	633334	3500.01	633334	3500.01
High CH	635332	3529.98	635000	3525	634666	3519.99
Channel Bandwidth	80 MHz		90 MHz		100 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	632668	3490.02	633000	3495	---	---
Middle CH	633334	3500.01	633334	3500.01	633334	3500.01
High CH	634000	3510	633666	3504.99	---	---

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

5G NR n78 (3700-3800)						
Channel Bandwidth	10 MHz		15 MHz		20 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	647000	3705	647168	3707.52	647334	3710.01
Middle CH	650000	3750	650000	3750	650000	3750
High CH	653000	3795	652832	3972.48	652666	3789.99
Channel Bandwidth	40 MHz		50 MHz		60 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	648000	3720	648334	3725.01	648668	3730.02
Middle CH	650000	3750	650000	3750	650000	3750
High CH	652000	3780	651666	3774.99	651332	3769.98
Channel Bandwidth	80 MHz		90 MHz		100 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	649334	3740.01	649668	3745.02	---	---
Middle CH	650000	3750	650000	3750	650000	3750
High CH	650666	3759.99	650332	3754.98	---	---

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Frequency range investigated for radiated emission: 9 kHz to 10 Th Harmonic

Test Item	NR Band	bandwidth (MHz)													Modulation					RB Config.			Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	50 %	100 %	L	M	H
Max. output Power	n7	V	V	V	V	X	X	X	X	X	X	X	X	X	V	V	V	V	V	V	V	V	V	V	V
	n38	X	V	V	V	X	X	V	X	X	X	X	X	X	V	V	V	V	V	V	V	V	V	V	V
	n41	X	V	V	V	X	X	V	V	V	X	V	V	V	V	V	V	V	V	V	V	V	V	V	V
	n77	X	V	V	V	X	X	V	V	V	X	V	V	V	V	V	V	V	V	V	V	V	V	V	V
	n78	X	V	V	V	X	X	V	V	V	X	V	V	V	V	V	V	V	V	V	V	V	V	V	V
E.R.P / E.I.R.P	n7	V	V	V	V	X	X	X	X	X	X	X	X	X						V	V	V	V	V	V
	n38	X	V	V	V	X	X	V	X	X	X	X	X	X						V	V	V	V	V	V
	n41	X	V	V	V	X	X	V	V	V	X	V	V	V						V	V	V	V	V	V
	n77	X	V	V	V	X	X	V	V	V	X	V	V	V						V	V	V	V	V	V
	n78	X	V	V	V	X	X	V	V	V	X	V	V	V						V	V	V	V	V	V

Test Item	NR Band	bandwidth (MHz)													Modulation					RB Config.			Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	50 %	100 %	L	M	H
Peak-to-Average-Ratio	n7	pick one													V	V	---	---	---	---	---	V	---	V	---
	n41														V	V	---	---	---	---	---	V	---	V	---
	n77														V	V	---	---	---	---	---	V	---	V	---
	n7	V	V	V	V	X	X	X	X	X	X	X	X	X	V	V	V	V	V	---	---	V	---	V	---
	n41	X	V	V	V	X	X	V	V	V	X	V	V	V	V	V	V	V	V	---	---	V	---	V	---
	n77	X	V	V	V	X	X	V	V	V	X	V	V	V	V	V	V	V	V	---	---	V	---	V	---

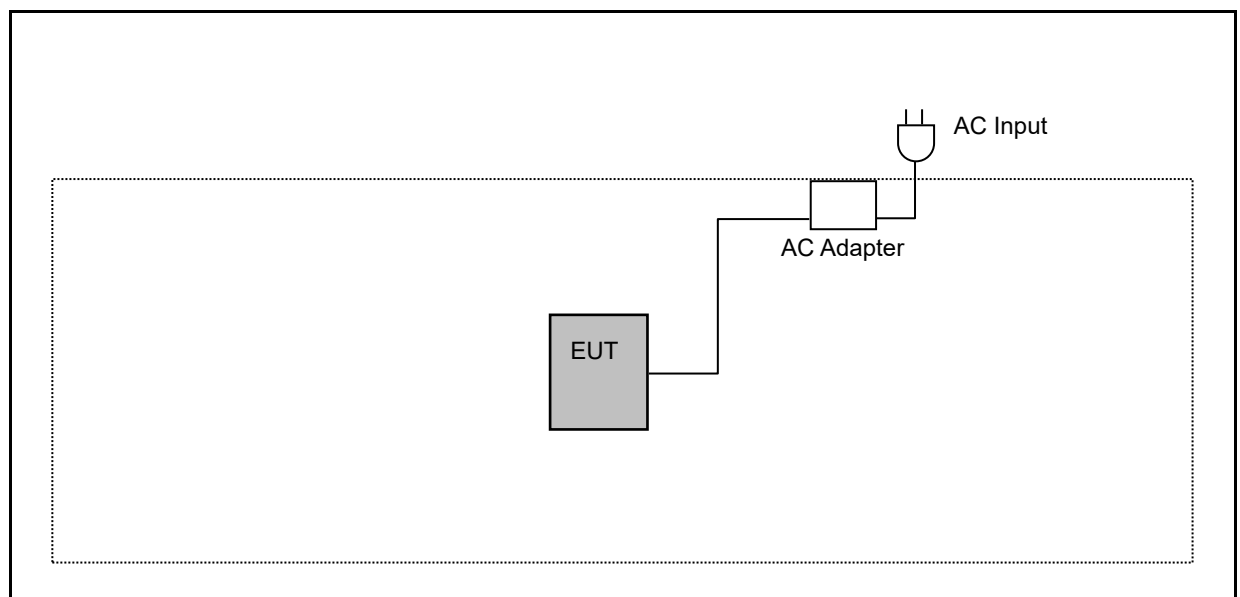
Test Item	NR Band	bandwidth (MHz)													Modulation					RB Config.			Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	50 %	100 %	L	M	H
Conducted Band edge	n7	V	V	V	V	X	X	X	X	X	X	X	X	X	Modulation of MAX. POWER					V	---	V	V	---	V
	n41	X	V	V	V	X	X	V	V	V	X	V	V	V						V	---	V	V	---	V
	n77	X	V	V	V	X	X	V	V	V	X	V	V	V						V	---	V	V	---	V
Conducted Spurious Emission	n7	Bandwidth and Modulation of MAX. POWER																		v	---	---	V	V	V
	n41																			v	---	---	V	V	V
	n77																			v	---	---	V	V	V

Test Item	NR Band	bandwidth (MHz)														Modulation					RB Config.			Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	50 %	100 %	L	M	H	
	n7	Max Bandwidth														---	V	---	---	---	---	---	V	---	V	---
	n48															---	V	---	---	---	---	---	V	---	V	---
	n77															---	V	---	---	---	---	---	V	---	V	---
	n7	Bandwidth and Modulation of MAX. POWER																		V	---	---	V	V	V	
	n41																			V	---	---	V	V	V	
	n77																			V	---	---	V	V	V	
	Remark																			1. n41 can cover n38 since operating frequency range of n38 within n41 and power setting are the same 2. N77 can cover n78 since operating frequency range of n78 within n77 and power setting are the same						

2.3. 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.

2.4. Configuration of Test System Details



2.5. Test Instruments

For Radiated Emissions

Test Period: Mar. 18 ~ Mar. 19, 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 kHz~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	MY57153537	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 (10 kHz~3000 MHz)	EMCI	EMCCFD400-NM- NM-2000	211009	Oct. 24, 2024	1 year
☒	Coaxial Cable (10 kHz~3000 MHz)	EMCI	EMCCFD400-NM- NM-2000	211010	Oct. 24, 2024	1 year
☒	Coaxial Cable (10 kHz~3000 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

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

For Radiated Emissions
Test Period: Mar. 18 ~ Mar. 19, 2025
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-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	STI15-9796	001	Oct. 24, 2024	1 year
☒	Highpass Filter	Warison	WFIL-H3000- 20000F	WR4BBFWC2B1	Oct. 24, 2024	1 year
☒	Highpass Filter	Warison	WFIL-H6000- 26500F	WR4BBFWC4B1	Oct. 24, 2024	1 year
☒	Wireless Test Platform	Keysight	UXM 5G	MY59020225	Mar. 06, 2025	1 year
☒	Software	R_RAM	V1.3	N/A	N.C.R.	---

For Conducted
Test Period: Feb. 10, 2025 ~ May. 12, 2025
Testing Engineer: Course Zhan

Test Site		RF01-WG				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Spectrum Analyzer (10 Hz~44 GHz)	R&S	FSV3044	101416	Oct. 29, 2024	1 year
☒	Divider	ROSNOL	PD2-A2-1-18G-A	231127005	Aug. 26, 2024	1 year
☒	Radio Communication Analyzer	Anritsu	MT8000A	6272368745	Jan. 06, 2025	1 year
☒	Power Supply	Gwinstek	PLR60-6	GEV172753	Nov. 14, 2024	1 year
☒	Humidity/Temp. Meter	Giant Force	GTH-408-40-CP-SD	MAA2202-001	Jan. 02, 2025	1 year

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

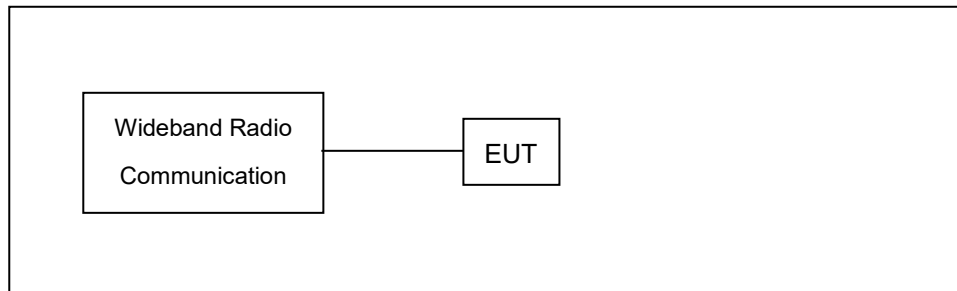
3 Measurement Procedure

3.1. Conducted Output Average Power Test

■ Limit

N/A

■ Test Setup



■ Test Procedure

- The EUT was set up for the maximum power with simulator.
- Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

3.2. Effective Radiated Power / Equivalent Isotropic Radiated Power Test

■ Limit

§27: The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 1 Watts.

(For NR n7,n38,n41)

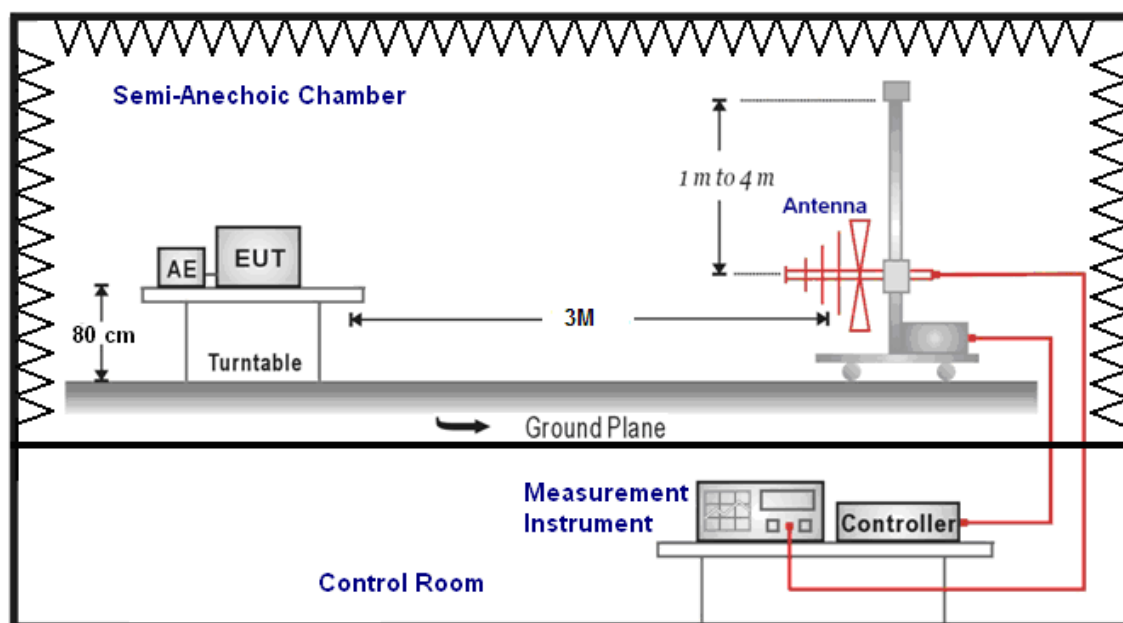
§27.50(h)(2): Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

(For NR n77,n78)

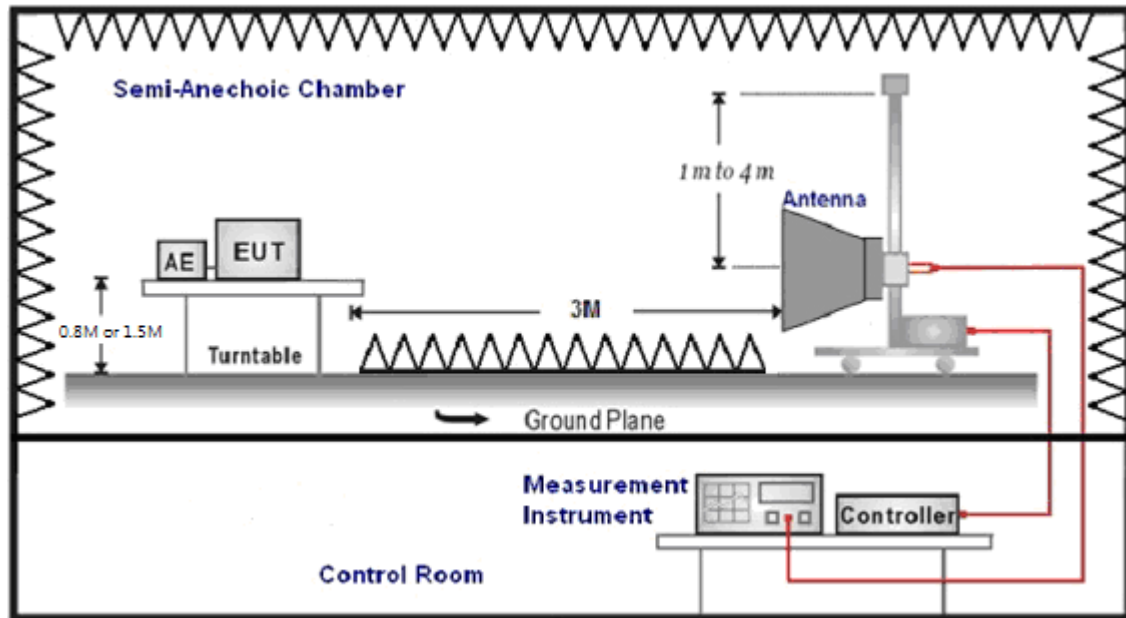
§27.50(j)(3): Mobile and portable stations are limited to 1 Watt EIRP.

■ Test Setup

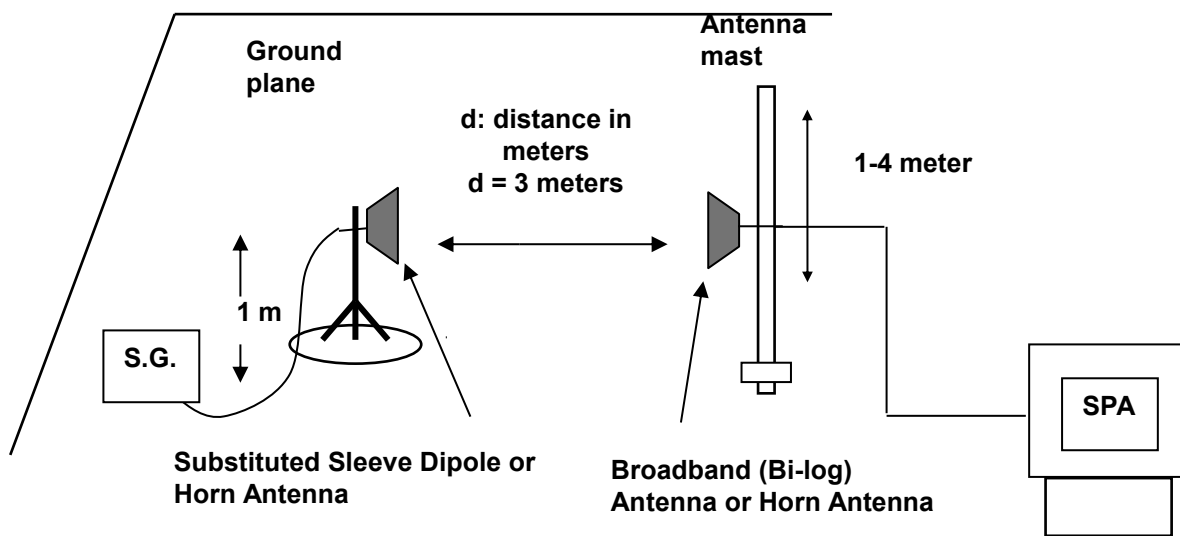
Below 1 GHz



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. $E.I.R.P. = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$
- e. $E.R.P. = E.I.R.P. - 2.15 \text{ dB}$

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

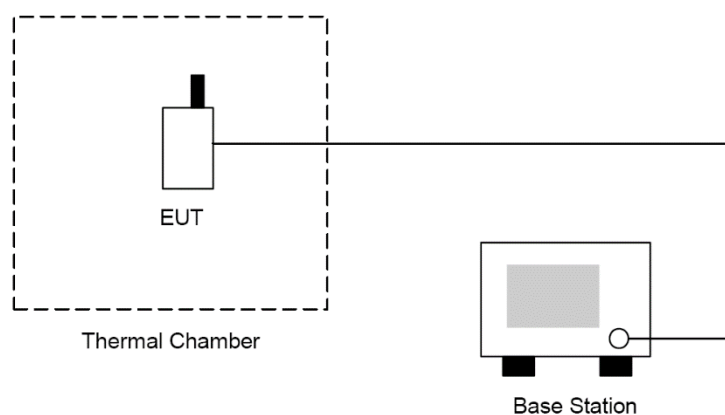
2. Above 1 GHz Substituted Method Test : Horn antenna to Horn Antenna

3.3. Frequency Stability Test

■ Limit

According to the FCC and IC rule shall be tested the frequency stability. The rule is defined that" The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation. The test extreme voltage is according to the 2.1055(d)(1) and Section 6.11 of RSS-Gen Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment and the extreme temperature rule is comply with the 2.1055(a)(1) and Section 6.11 of RSS-Gen -30 °C ~ 50 °C.

■ Setup



■ Test Procedure

1. The EUT and test equipment were set up as shown on the following section.
2. With all power removed, the temperature was decreased to -30 °C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was note within one minute.
3. With power OFF, the temperature was raised in 10 °C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.
4. The EUT was placed in a temperature chamber at 25 ± 5 °C and connected as the following section.
5. The power supply voltage to the EUT was varied from BEP to 115 % of the nominal value measured at the input to the EUT.
6. The temperature tests were performed for the worst case.
7. Test data was recorded.

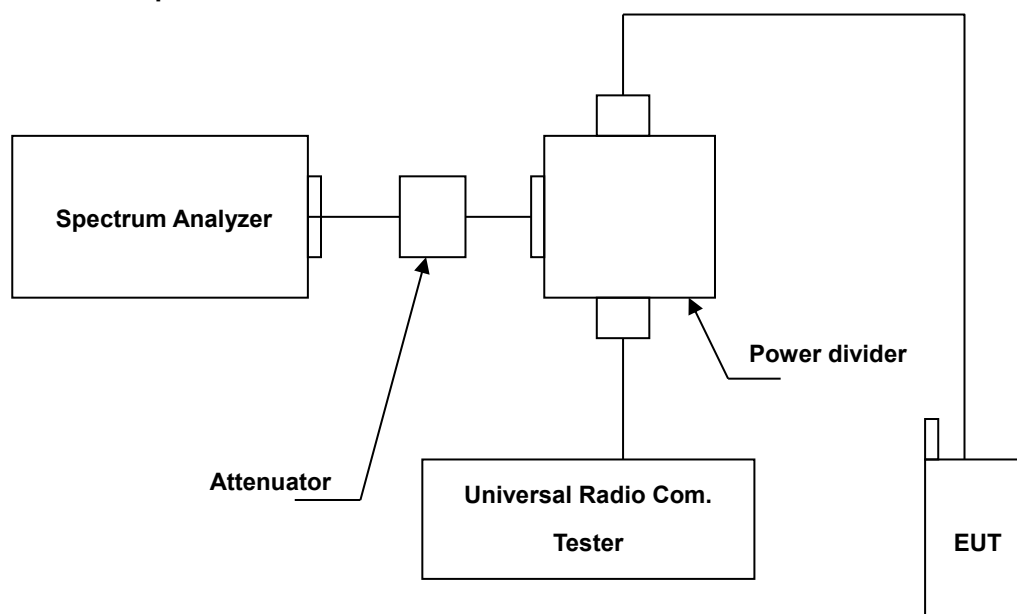
3.4. Emission Bandwidth & Occupied Bandwidth Test

■ Limit

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

■ Setup



■ Test Procedure

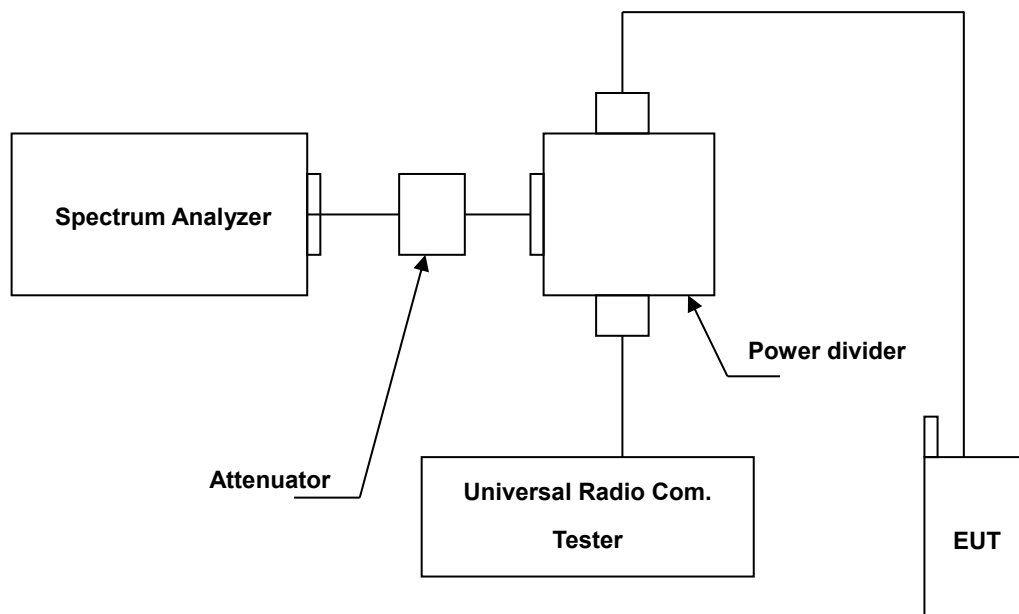
- The EUT makes a phone call to the communication simulator. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels. (low, middle and high operational frequency range.)
- The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % or 26 dB occupied bandwidth.

3.5. Peak to Average Power Ratio Test

■ Limit

In measuring transmissions in this band using an average power technique, the peak to-average power ratio (PAPR) of the transmission may not exceed 13 dB.

■ Setup



■ Test Procedure

- Set resolution/measurement bandwidth signal's occupied bandwidth;
- Set the number of counts to a value that stabilizes the measured CCDF curve;
- Record the maximum PAPR level associated with a probability of 0.1 %.

3.6. Band Edge Test

■ Limit

(For NR n7, n38, n41)

§27.53(m):For mobile digital stations, the attenuation factor shall be not less than $43+10 \log(p)$ dB at the channel edge and $55+10 \log(P)$ dB at 5.5 megahertz from the channel edges.

§27.53(a)(4)(ii):By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log(P)$ dB below 2288 MHz.

§27.53(a)(4)(iii):By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log(P)$ dB above 2365 MHz.

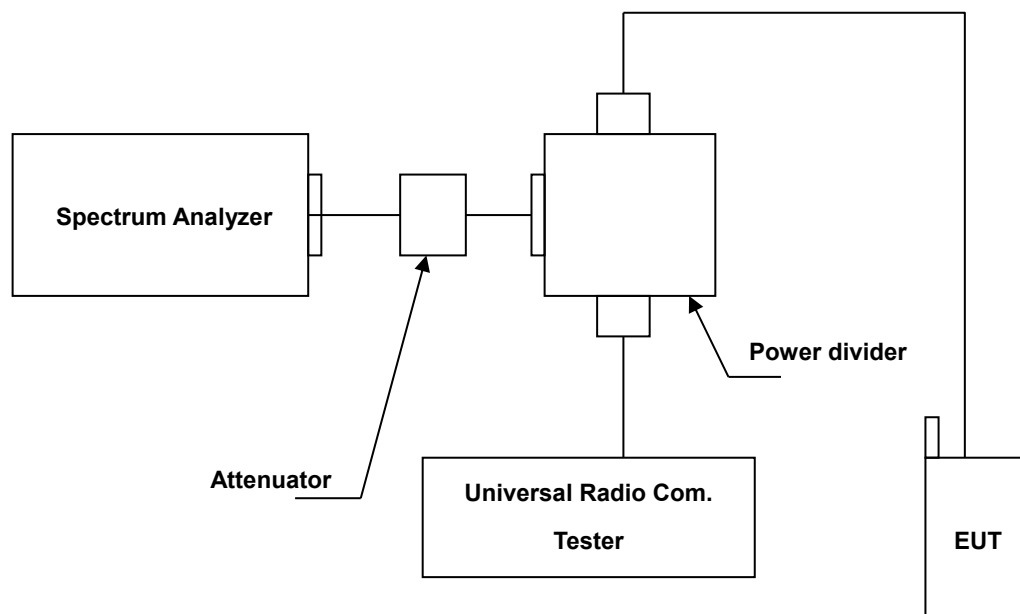
(For NR n77)

§27.53(n)(2):For mobile operations in the 3450–3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(For NR n77):)

§27.53(l)(2):For mobile operations in the 3700–3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

■ Setup



■ Test Procedure

- The EUT was set up for the maximum peak power with WWAN link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 2 channels (low and high operational frequency range.)
- The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer. This splitter loss and cable loss are the worst loss in the transmitted path track.
- The center frequency of spectrum is the band edge frequency and span is 10 MHz. RB of the resolution bandwidth of at least one percent of the emission bandwidth.
- Record the max trace plot into the test report.

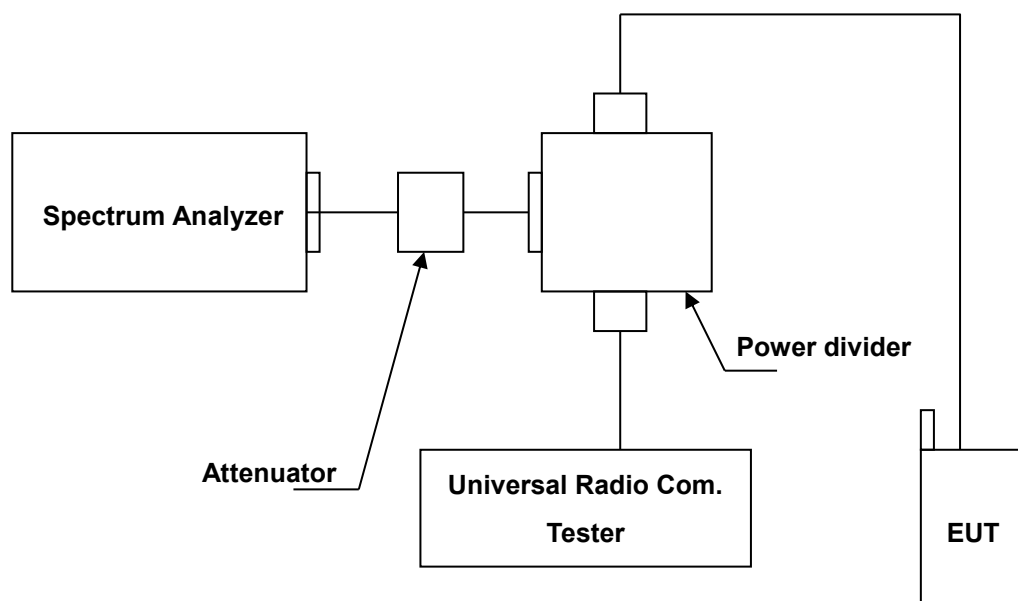
3.7. Conducted Spurious Emission Test

■ Limit

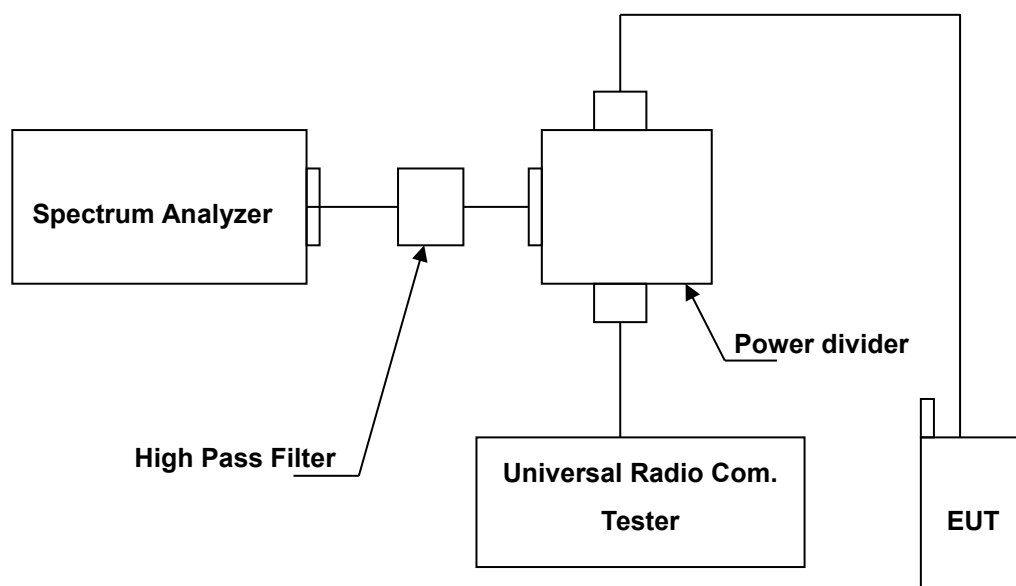
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13 dBm.

■ Setup

Below 2.8 GHz



Above 2.8 GHz



■ Test Procedure

- a. The EUT was set up for the maximum peak 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. The conducted spurious emission used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- c. When the spectrum scanned from 10 MHz to 2.5 GHz (Band 7 and Band 41: scanned from 10 MHz to 4 GHz), it shall be connected to the band reject filter attenuated the carried frequency. The spectrum set RB=1 MHz, VB=3 MHz.
- d. When the spectrum scanned from 2.5 GHz to 10th harmonic (Band 7 and Band 41: scanned from 4 GHz to 10th harmonic). The spectrum set RB=1 MHz, VB=3 MHz.

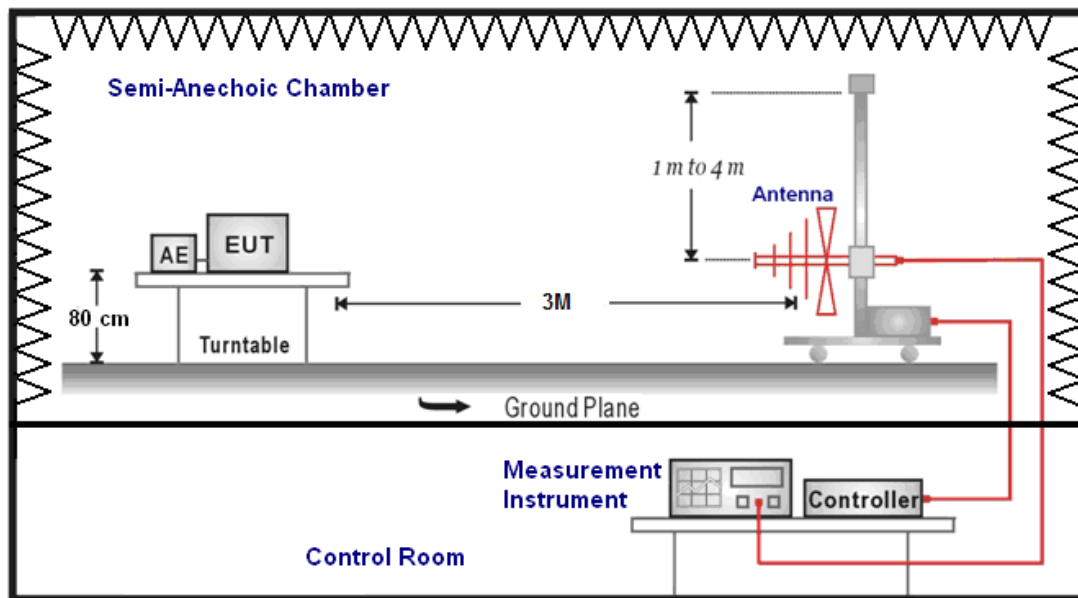
3.8. Radiated Emission Test

■ Limit

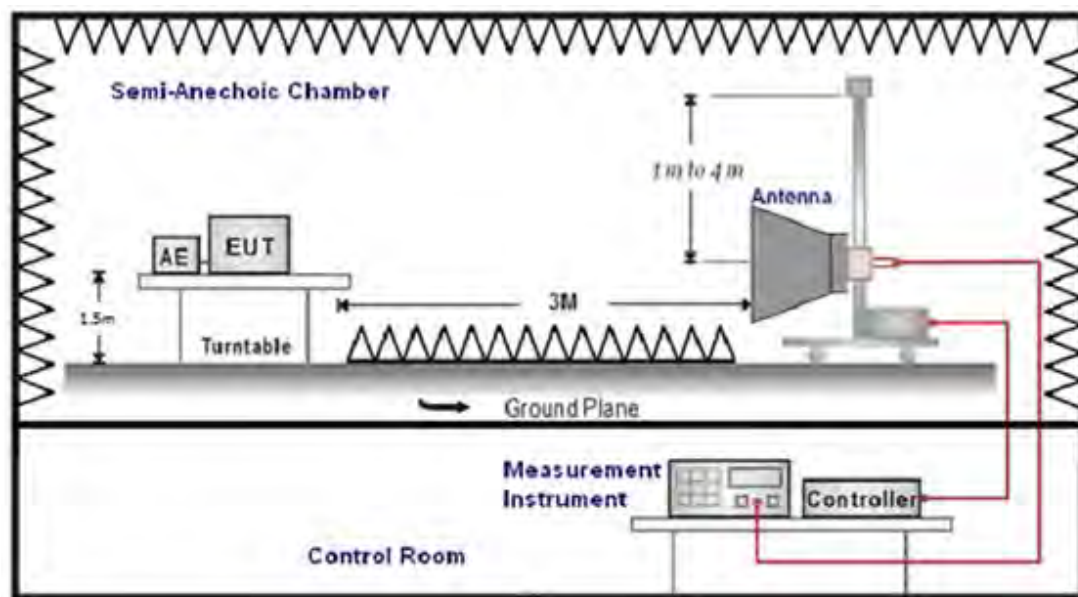
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13 dBm.

■ Setup

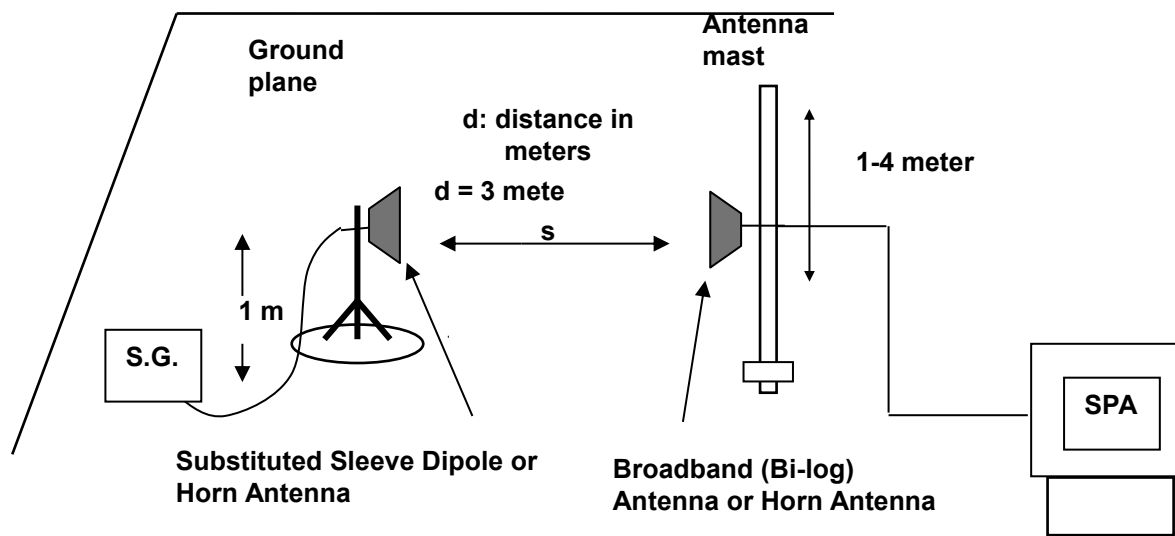
Below 1 GHz



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. Conducted Output Average Power and Effective Radiated Power / Equivalent Isotropic Radiated Power

The equipment passed the requirement of this clause, the detail results refer to Appendix A. Test Results_Power and ERP, EIRP

4.2. Emission Bandwidth & Occupied Bandwidth / Peak to Average Ratio / Band Edge / Conducted Spurious Emission

The equipment passed the requirement of this clause, the detail results refer to Appendix B. Test Results_26dB & Occupied Bandwidth, Band n7, n38, n41, n77, n78

4.3. Frequency Stability

Frequency Stability (Temperature Variation)

QPSK_Full RB	NR Band 7_BW 20MHz	Fq(MHz) :	2535
Temperature (°C)	Deviation (HZ)	Deviation (ppm)	Limit (ppm)
-30	-3.1	-0.00122	±2.5
-20	1.5	0.00059	±2.5
-10	0.6	0.00024	±2.5
0	-0.3	-0.00012	±2.5
10	-2.2	-0.00087	±2.5
20	0.9	0.00036	±2.5
30	-1.2	-0.00047	±2.5
40	-2.5	-0.00099	±2.5
50	-0.9	-0.00036	±2.5
QPSK_Full RB	NR Band 41_BW 100MHz	Fq(MHz) :	2592.99
Temperature (°C)	Deviation (HZ)	Deviation (ppm)	Limit (ppm)
-30	8.1	0.00312	±2.5
-20	2.1	0.00081	±2.5
-10	5.9	0.00228	±2.5
0	2.7	0.00104	±2.5
10	4.9	0.00189	±2.5
20	-1.8	-0.00069	±2.5
30	-2.3	-0.00089	±2.5
40	2.8	0.00108	±2.5
50	-3.2	-0.00123	±2.5
QPSK_Full RB	NR Band 77_BW 100MHz	Fq(MHz) :	3500.01
Temperature (°C)	Deviation (HZ)	Deviation (ppm)	Limit (ppm)
-30	-7.4	-0.00211	±2.5
-20	-5.7	-0.00163	±2.5
-10	5.3	0.00151	±2.5
0	-1.3	-0.00037	±2.5
10	4.5	0.00129	±2.5
20	0.7	0.00020	±2.5
30	4.5	0.00129	±2.5
40	-1.5	-0.00043	±2.5
50	8.1	0.00231	±2.5

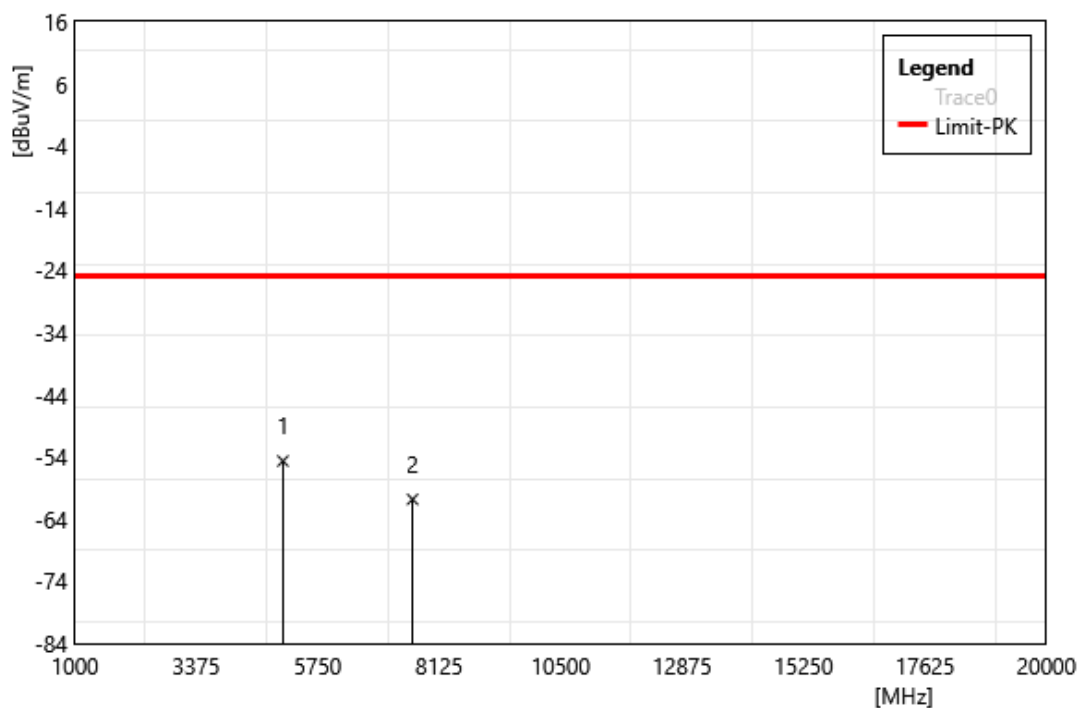
QPSK_Full RB	NR Band 77_BW 100MHz	Fq(MHz) :	3840
Temperature (°C)	Deviation (HZ)	Deviation (ppm)	Limit (ppm)
-30	-2.4	-0.00063	±2.5
-20	-0.9	-0.00023	±2.5
-10	-2.1	-0.00055	±2.5
0	1.2	0.00031	±2.5
10	-3.6	-0.00094	±2.5
20	0.9	0.00023	±2.5
30	-2.5	-0.00065	±2.5
40	7.1	0.00185	±2.5
50	11.1	0.00289	±2.5

Frequency Stability vs. Voltage

QPSK_Full RB	NR Band 7_BW 20MHz	Fq(MHz) :	2535
Voltage(V)	Deviation (HZ)	Deviation (ppm)	Limit (ppm)
VN	-0.8	-0.00032	±2.5
VL	-1.7	-0.00067	±2.5
VH	-2.5	-0.00099	±2.5
QPSK_Full RB	NR Band 41_BW 100MHz	Fq(MHz) :	2592.99
Voltage(V)	Deviation (HZ)	Deviation (ppm)	Limit (ppm)
VN	-0.2	-0.00008	±2.5
VL	8.1	0.00312	±2.5
VH	-1.8	-0.00069	±2.5
QPSK_Full RB	NR Band 77_BW 100MHz	Fq(MHz) :	3500.01
Voltage(V)	Deviation (HZ)	Deviation (ppm)	Limit (ppm)
VN	-2.2	-0.00063	±2.5
VL	-7.4	-0.00211	±2.5
VH	1.1	0.00031	±2.5
QPSK_Full RB	NR Band 77_BW 100MHz	Fq(MHz) :	3840
Voltage(V)	Deviation (HZ)	Deviation (ppm)	Limit (ppm)
VN	2.4	0.00063	±2.5
VL	6.5	0.00169	±2.5
VH	-2.1	-0.00055	±2.5

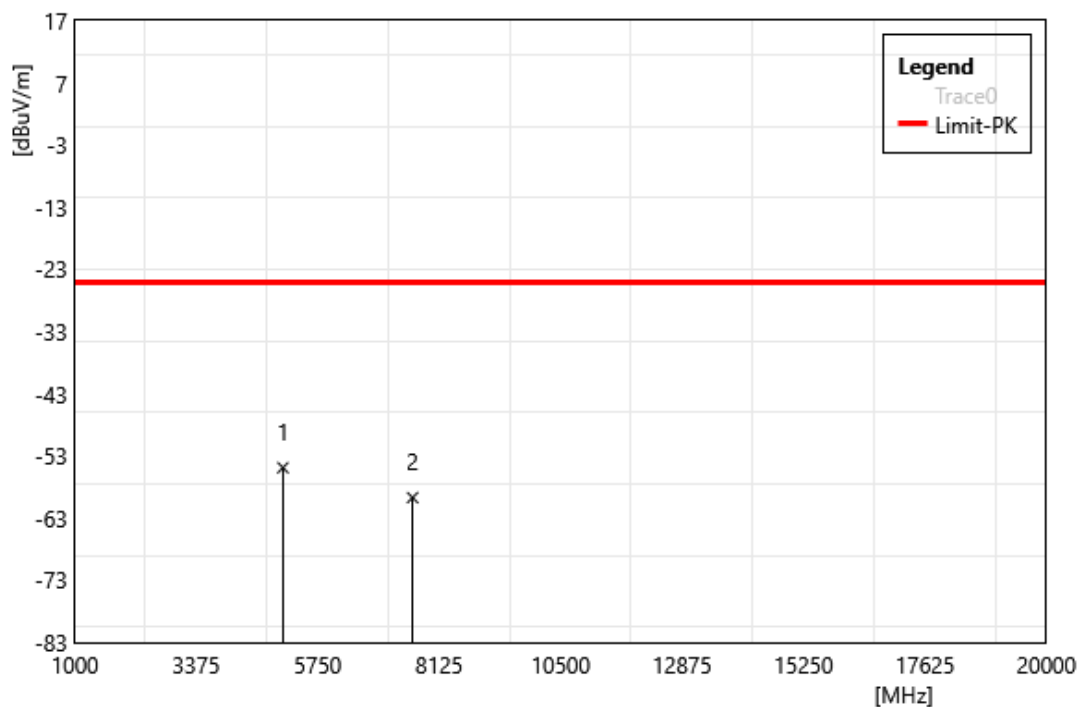
4.4. Radiated Emission

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n7 SA 15k PI/2 BPSK		
	BW:20M 2535 MHz		
Polarization:	Horizontal		
Remark:			



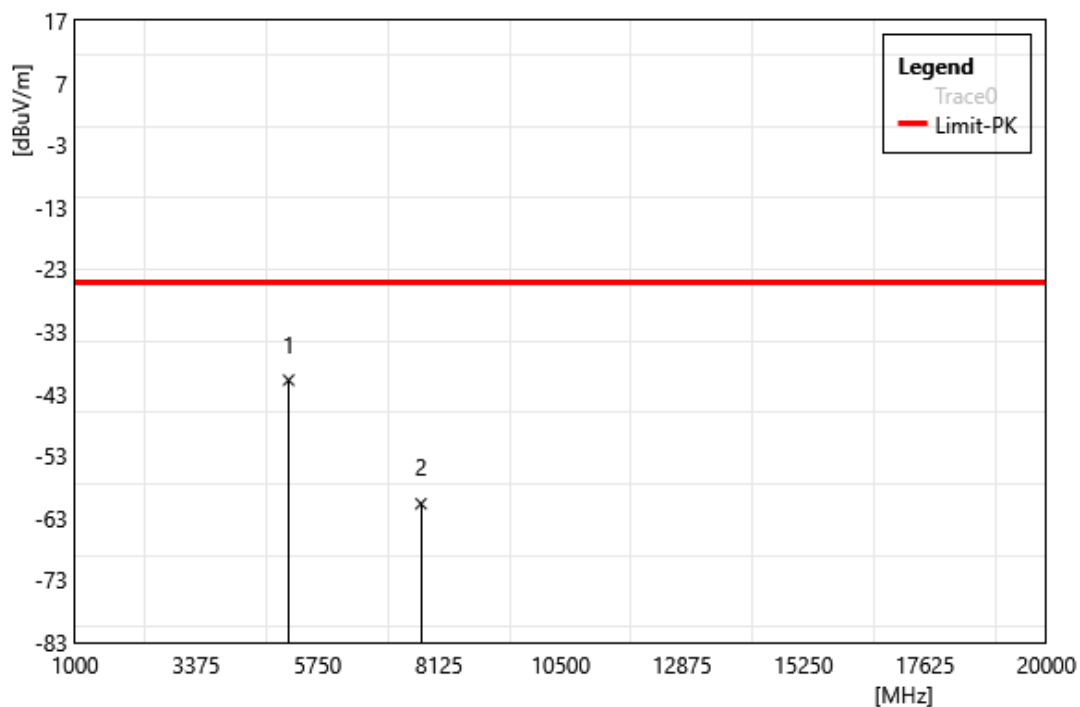
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	5070.00	-57.18	2.52	-54.66	-25.00	-29.66	PEAK
2	7605.00	-68.42	7.59	-60.83	-25.00	-35.83	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n7 SA 15k PI/2 BPSK		
	BW:20M 2535 MHz		
Polarization:	Vertical		
Remark:			



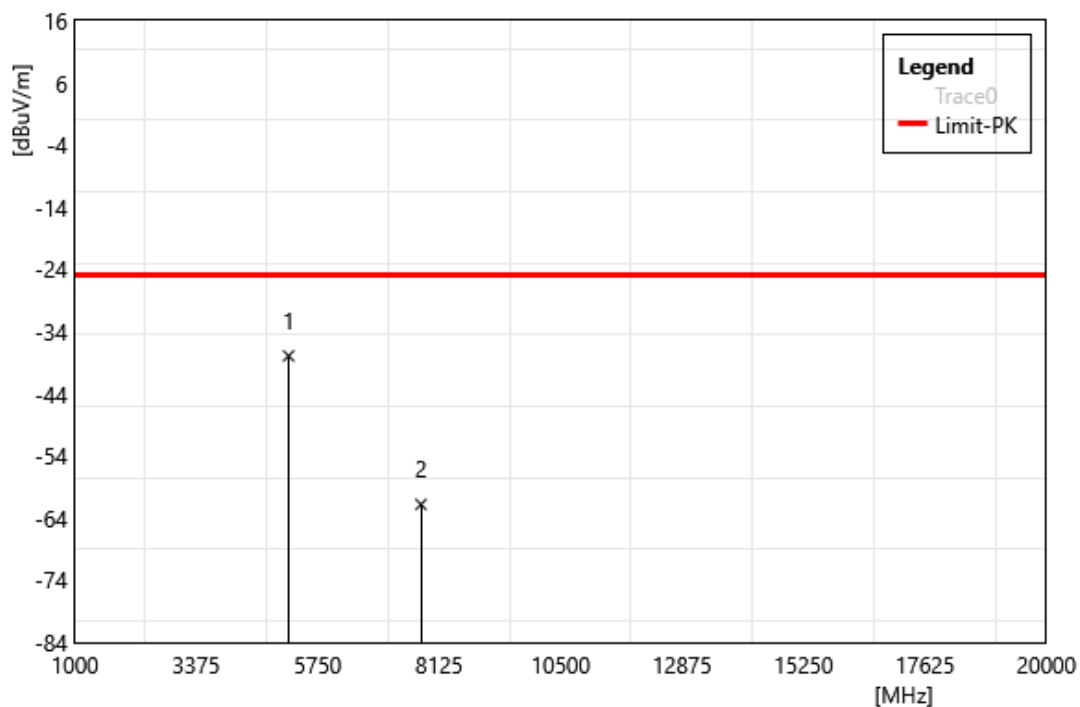
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	5070.00	-57.42	2.52	-54.90	-25.00	-29.90	PEAK
2	7605.00	-67.30	7.59	-59.71	-25.00	-34.71	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n38 SA 30k PI/2 BPSK		
	BW:40M 2590 MHz		
Polarization:	Horizontal		
Remark:			



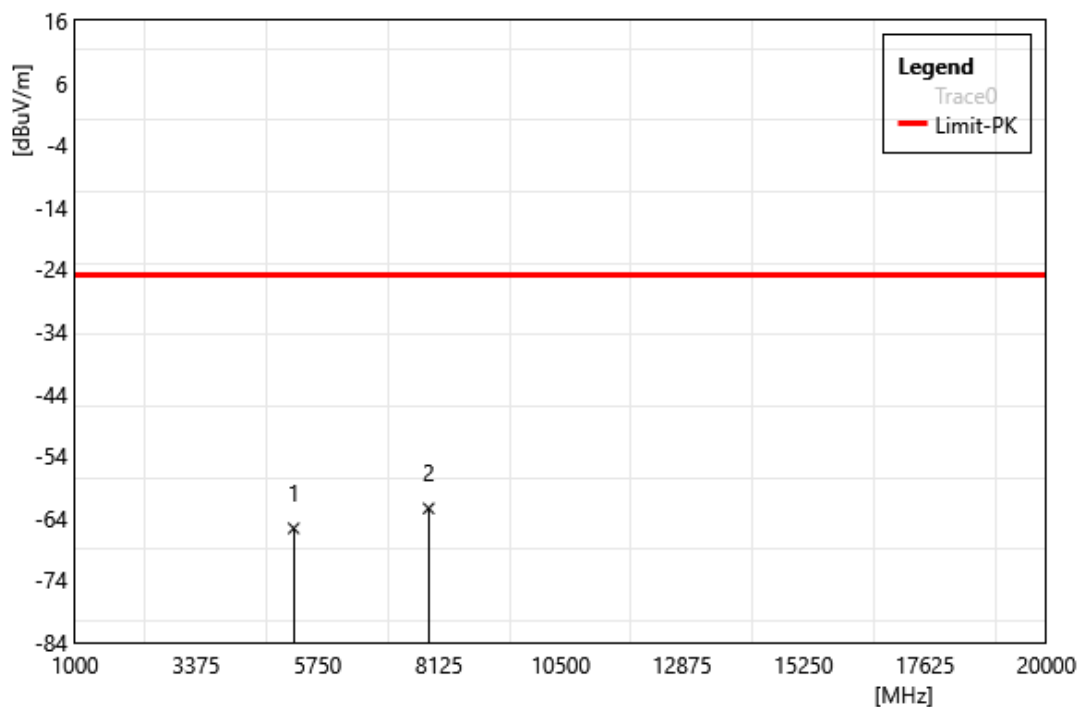
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	5180.00	-43.22	2.40	-40.82	-25.00	-15.82	PEAK
2	7770.00	-67.99	7.28	-60.71	-25.00	-35.71	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n38 SA 30k PI/2 BPSK		
	BW:40M 2590 MHz		
Polarization:	Vertical		
Remark:			



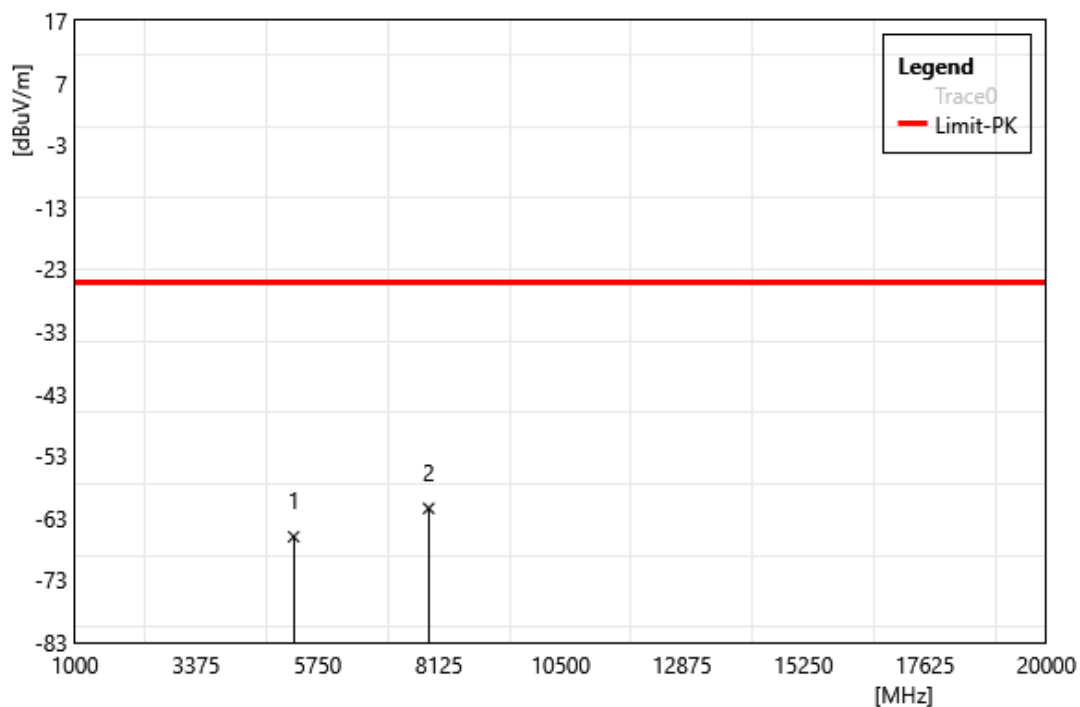
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	5180.00	-40.32	2.40	-37.92	-25.00	-12.92	PEAK
2	7770.00	-69.08	7.28	-61.80	-25.00	-36.80	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n41 PC2 SA 30k QPSK		
	BW:100M 2640 MHz		
Polarization:	Horizontal		
Remark:			



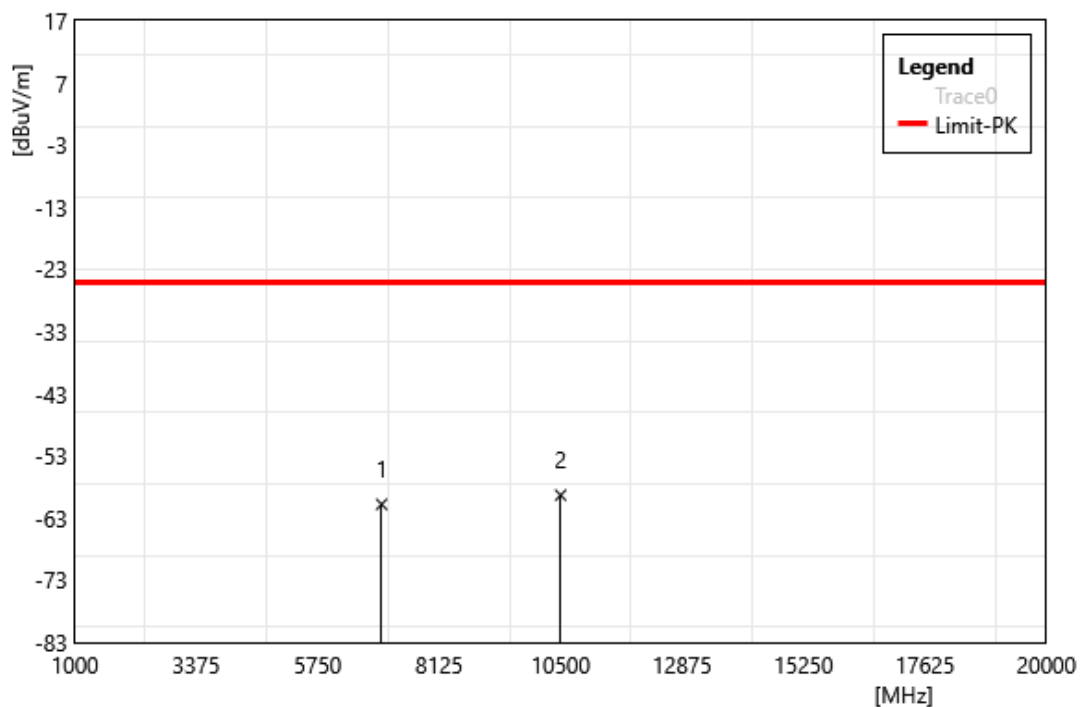
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	5280.00	-68.06	2.41	-65.65	-25.00	-40.65	PEAK
2	7920.00	-69.66	7.21	-62.45	-25.00	-37.45	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n41 PC2 SA 30k QPSK		
	BW:100M 2640 MHz		
Polarization:	Vertical		
Remark:			



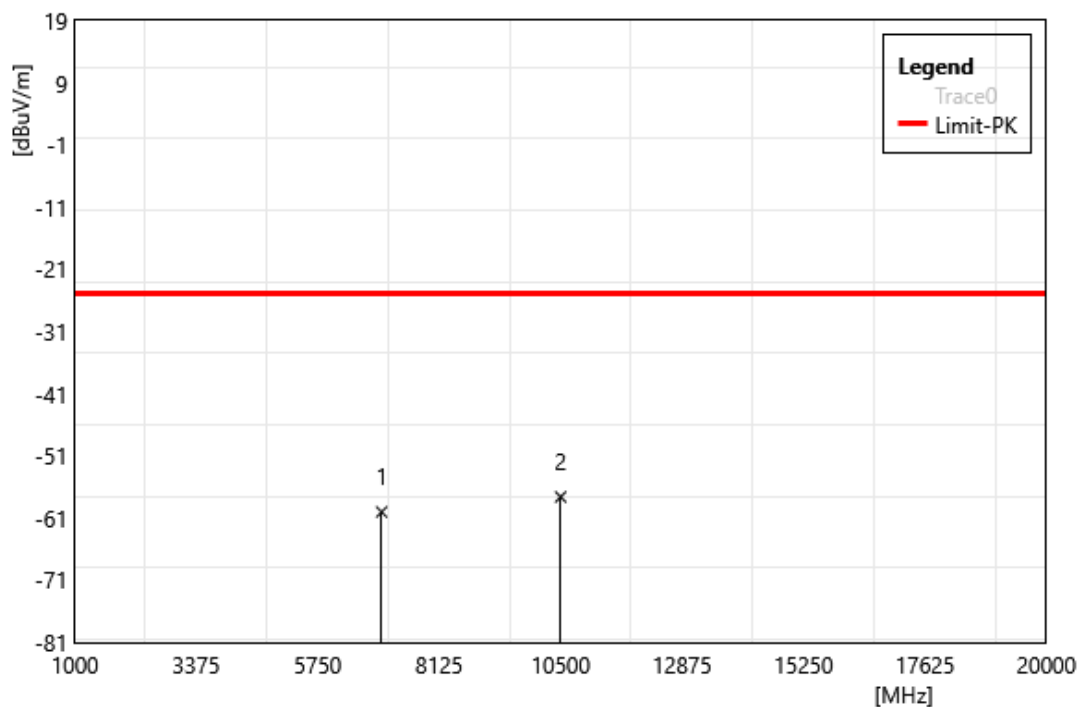
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	5280.00	-68.42	2.41	-66.01	-25.00	-41.01	PEAK
2	7920.00	-68.65	7.21	-61.44	-25.00	-36.44	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n77 PC2 Q SA 30k QPSK		
	BW:100M 3500.01 MHz		
Polarization:	Horizontal		
Remark:			



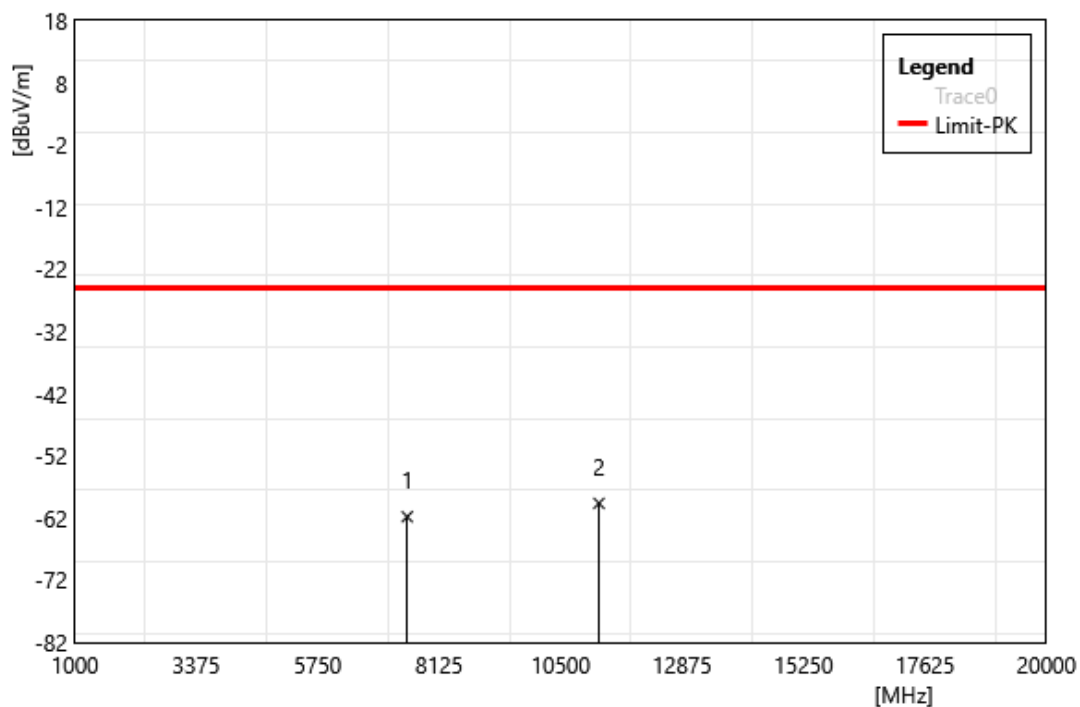
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	7000.02	-68.75	7.95	-60.80	-25.00	-35.80	PEAK
2	10500.03	-68.53	9.22	-59.31	-25.00	-34.31	PEAK

Test Site:	96603 - WG	Standard:	Part 27
Test Mode:	n77 PC2 Q SA 30k QPSK		
	BW:100M 3500.01 MHz		
Polarization:	Vertical		
Remark:			



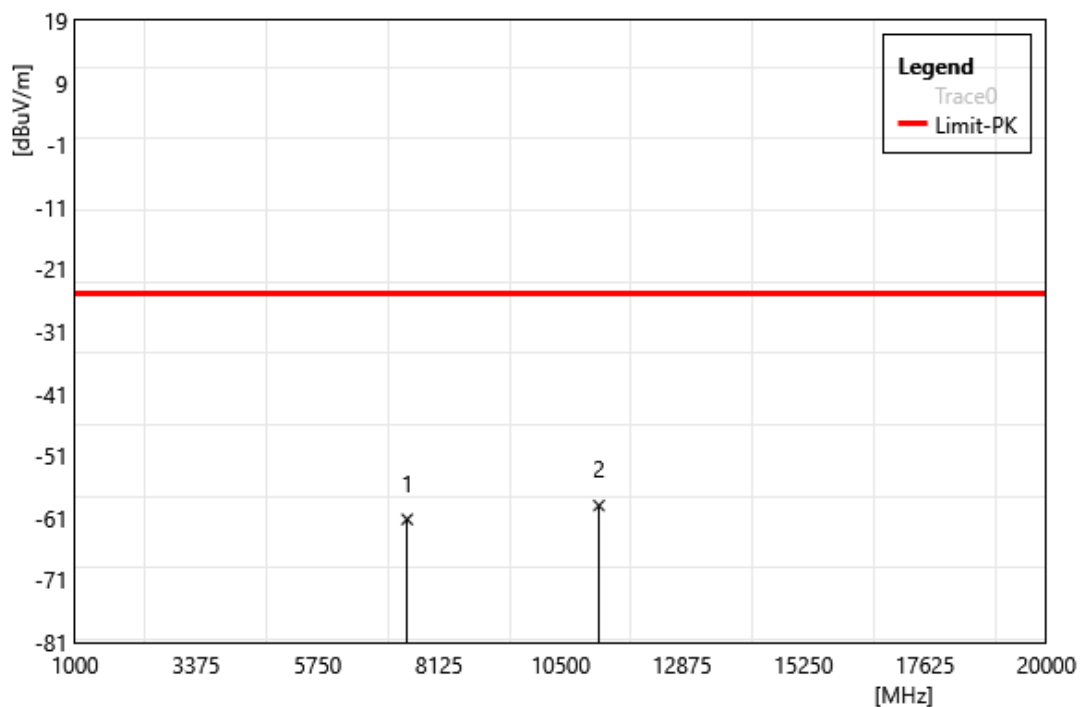
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	7000.02	-67.97	7.95	-60.02	-25.00	-35.02	PEAK
2	10500.03	-66.82	9.22	-57.60	-25.00	-32.60	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n77 PC2 Q SA 30k PI/2 BPSK BW:100M 3750 MHz		
Polarization:	Horizontal		
Remark:			



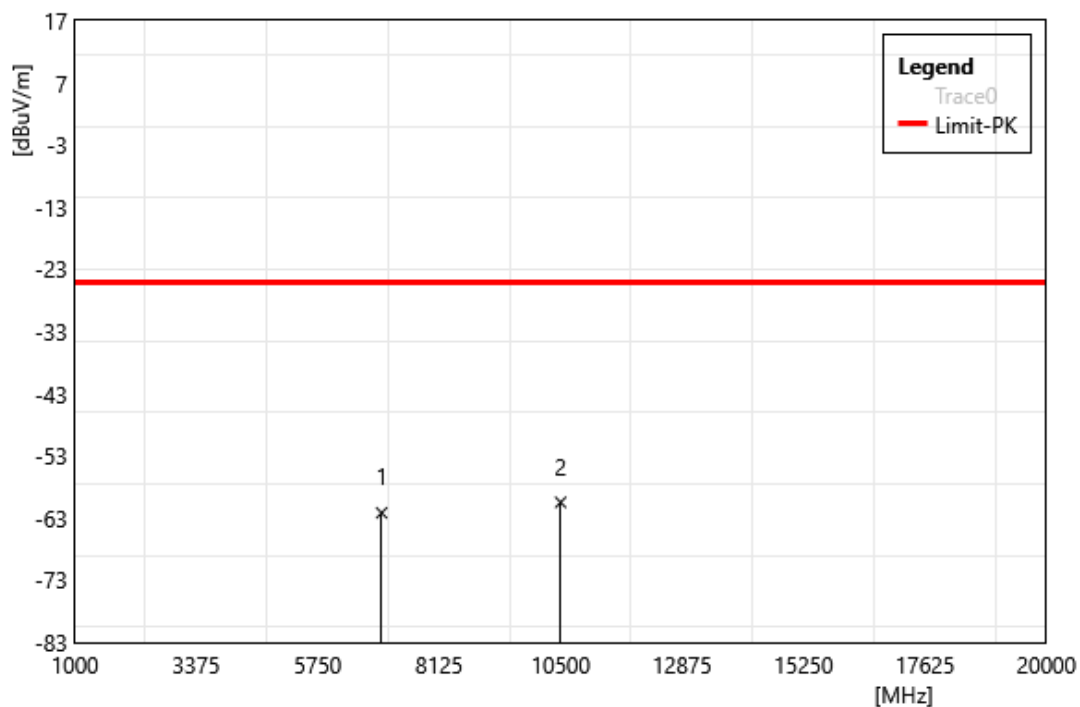
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	7500.00	-69.63	7.85	-61.79	-25.00	-36.79	PEAK
2	11250.00	-68.34	8.70	-59.64	-25.00	-34.64	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n77 PC2 Q SA 30k PI/2 BPSK BW:100M 3750 MHz		
Polarization:	Vertical		
Remark:			



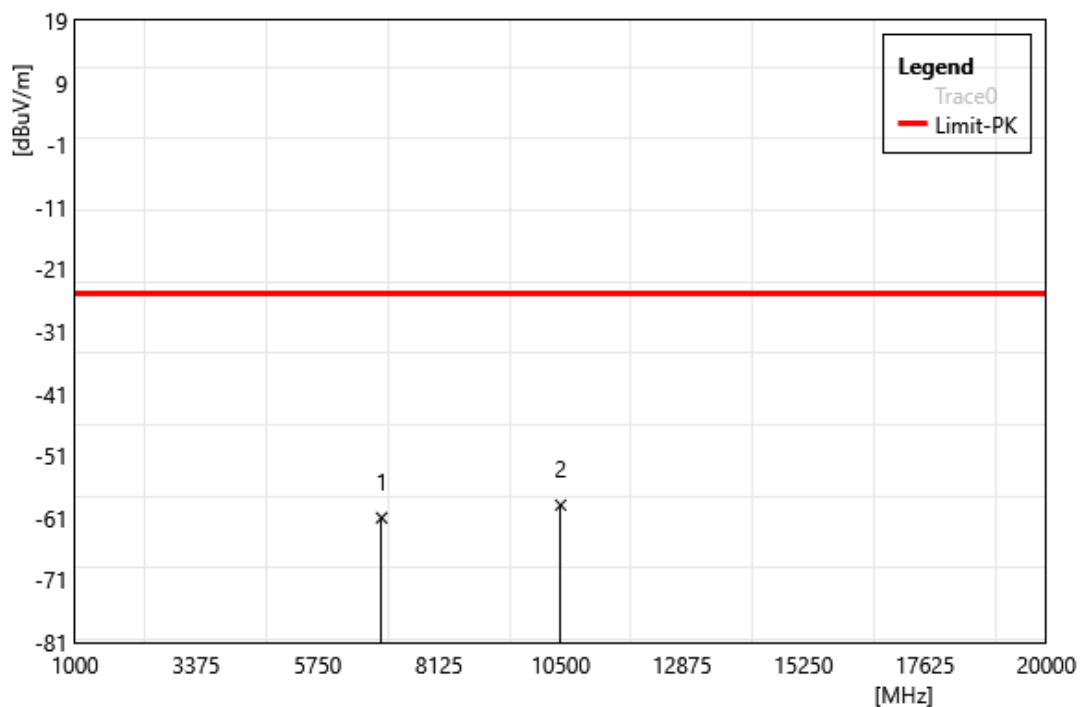
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	7500.00	-69.06	7.85	-61.21	-25.00	-36.21	PEAK
2	11250.00	-67.68	8.70	-58.98	-25.00	-33.98	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n78 PC2 Q SA 30k QPSK		
	BW:100M 3500.01 MHz		
Polarization:	Horizontal		
Remark:			



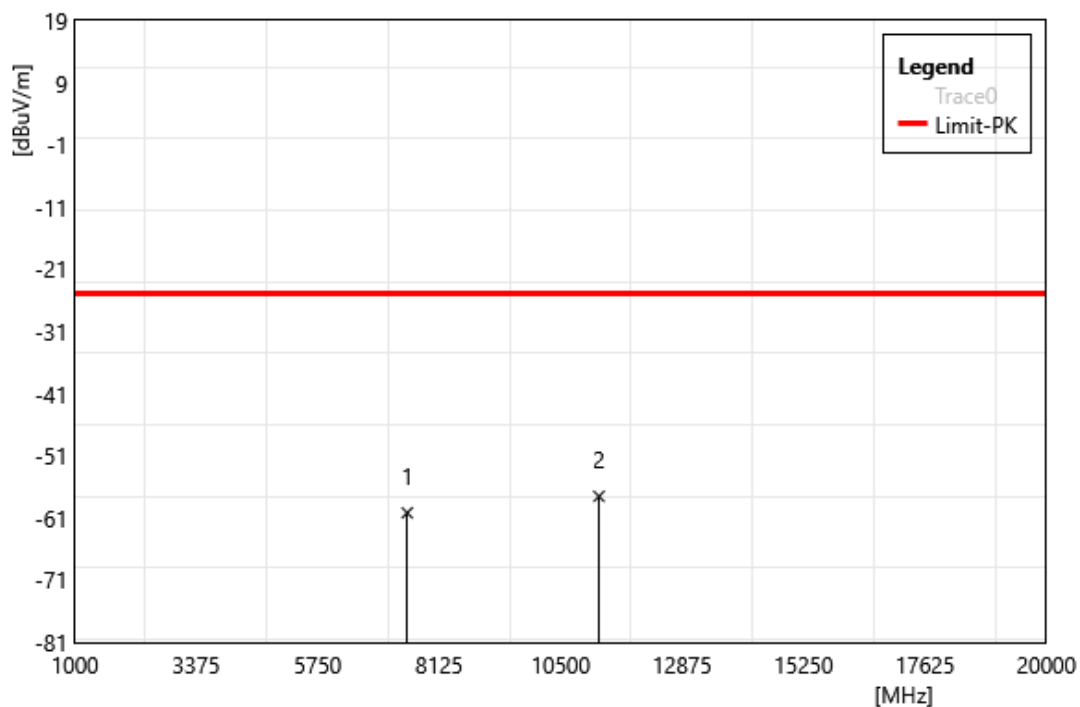
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	7000.02	-70.11	7.95	-62.16	-25.00	-37.16	PEAK
2	10500.03	-69.68	9.22	-60.46	-25.00	-35.46	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n78 PC2 Q SA 30k QPSK		
	BW:100M 3500.01 MHz		
Polarization:	Vertical		
Remark:			



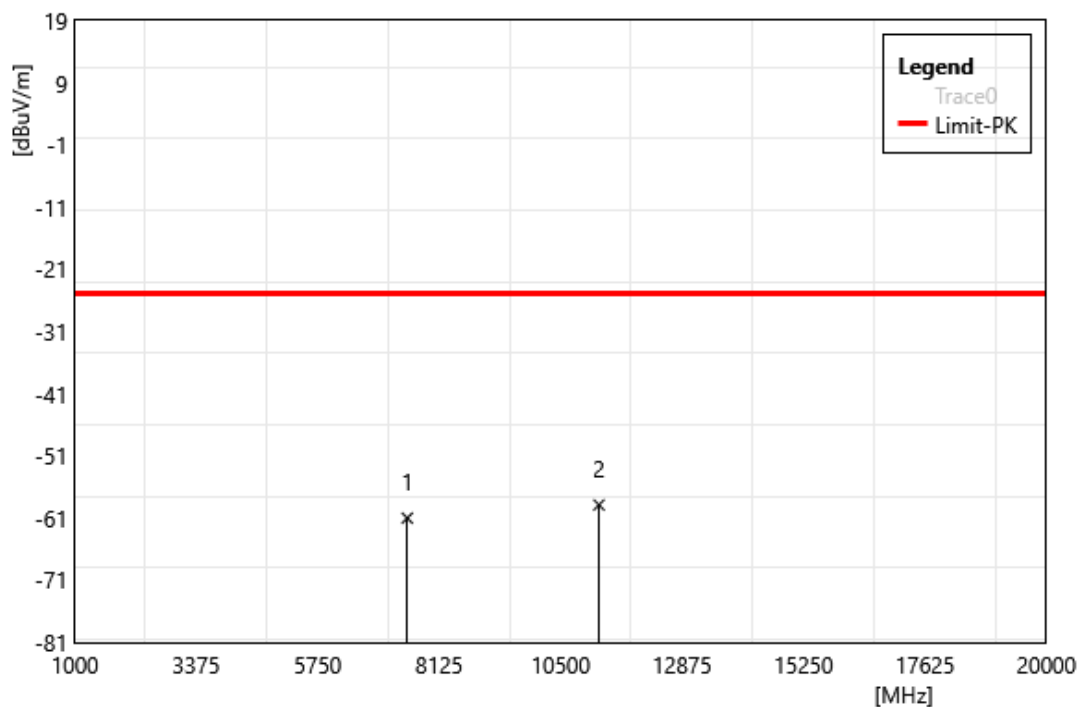
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	7000.02	-68.92	7.95	-60.97	-25.00	-35.97	PEAK
2	10500.03	-68.13	9.22	-58.91	-25.00	-33.91	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n78 PC2 Q SA 30k PI/2 BPSK BW:100M 3750 MHz		
Polarization:	Horizontal		
Remark:			



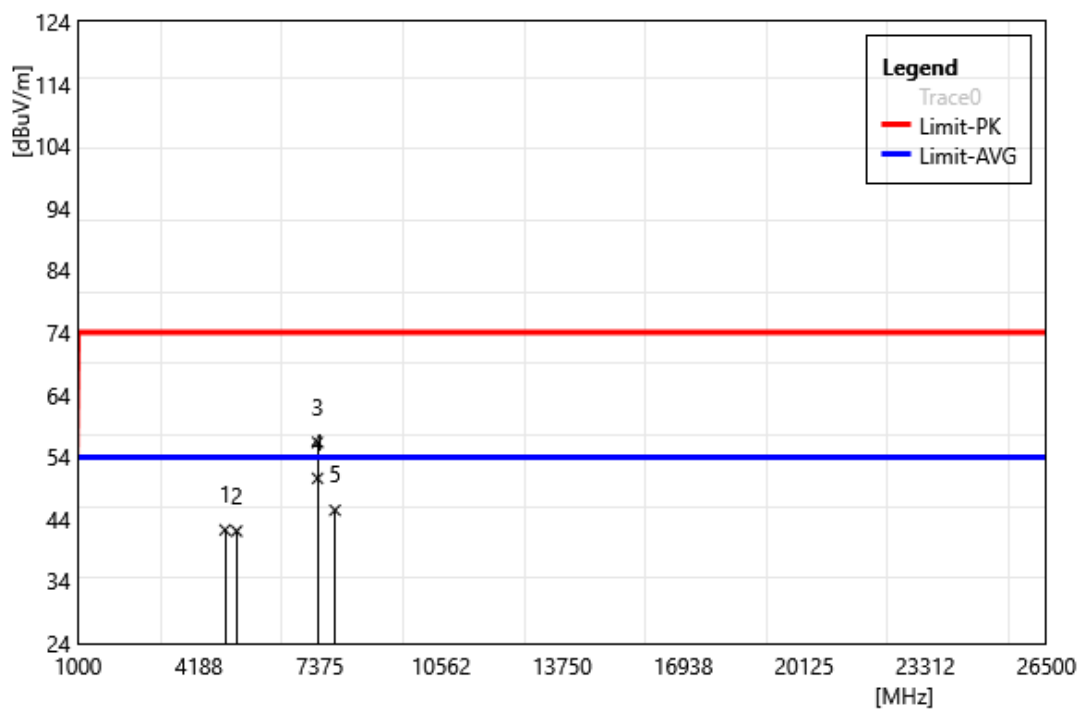
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	7500.00	-68.01	7.85	-60.16	-25.00	-35.16	PEAK
2	11250.00	-66.20	8.70	-57.50	-25.00	-32.50	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	n78 PC2 Q SA 30k PI/2 BPSK BW:100M 3750 MHz		
Polarization:	Vertical		
Remark:			



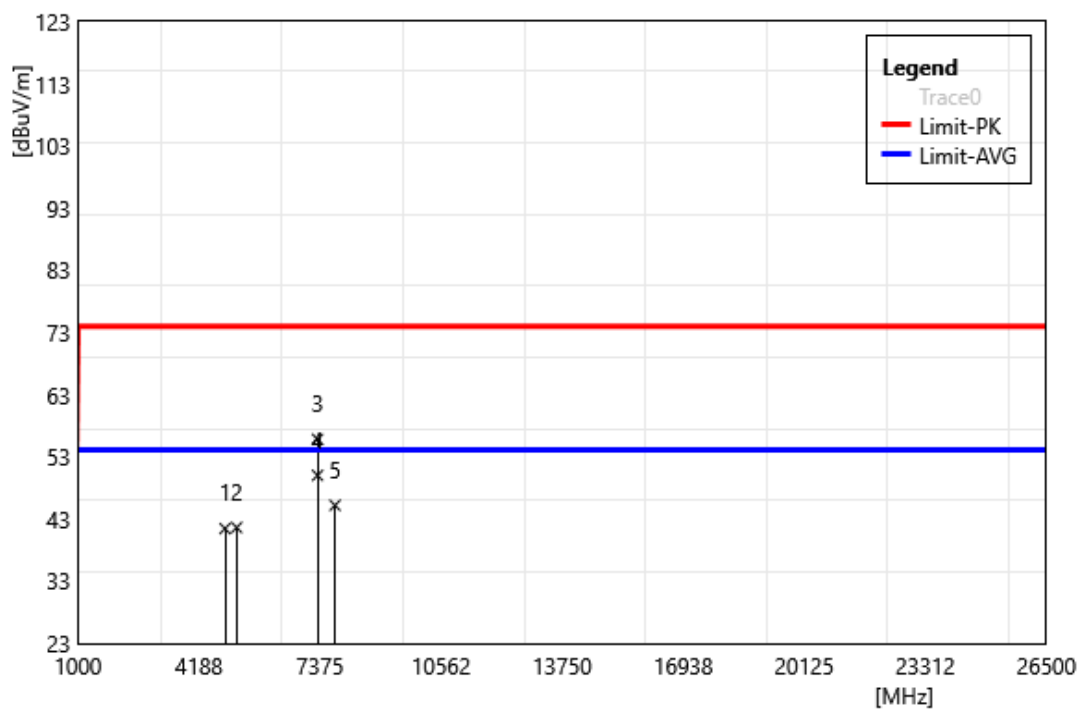
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	7500.00	-68.85	7.85	-61.00	-25.00	-36.00	PEAK
2	11250.00	-67.59	8.70	-58.89	-25.00	-33.89	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	2.4G+NR		



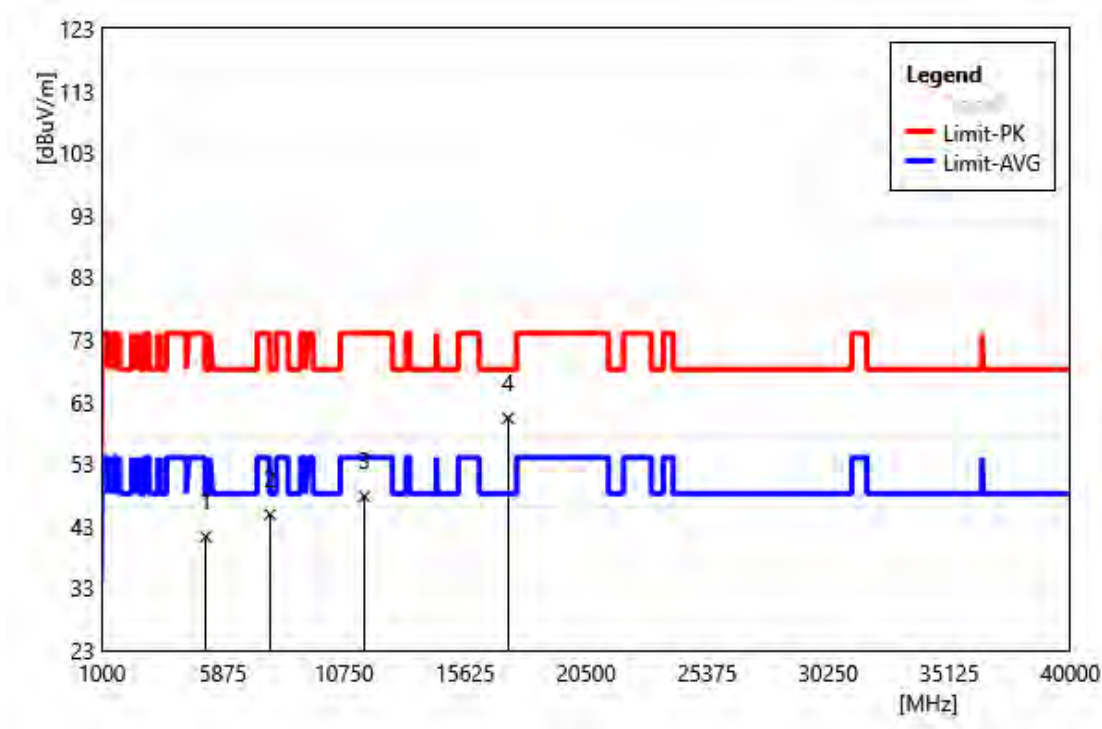
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	4874.00	39.66	2.60	42.26	74.00	-31.74	PEAK
2	5180.00	39.66	2.40	42.06	74.00	-31.94	PEAK
3	7311.00	48.27	8.06	56.33	74.00	-17.67	PEAK
4	7311.00	42.49	8.06	50.55	54.00	-3.45	AVG
5	7770.00	38.14	7.28	45.42	74.00	-28.58	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	2.4G+NR		



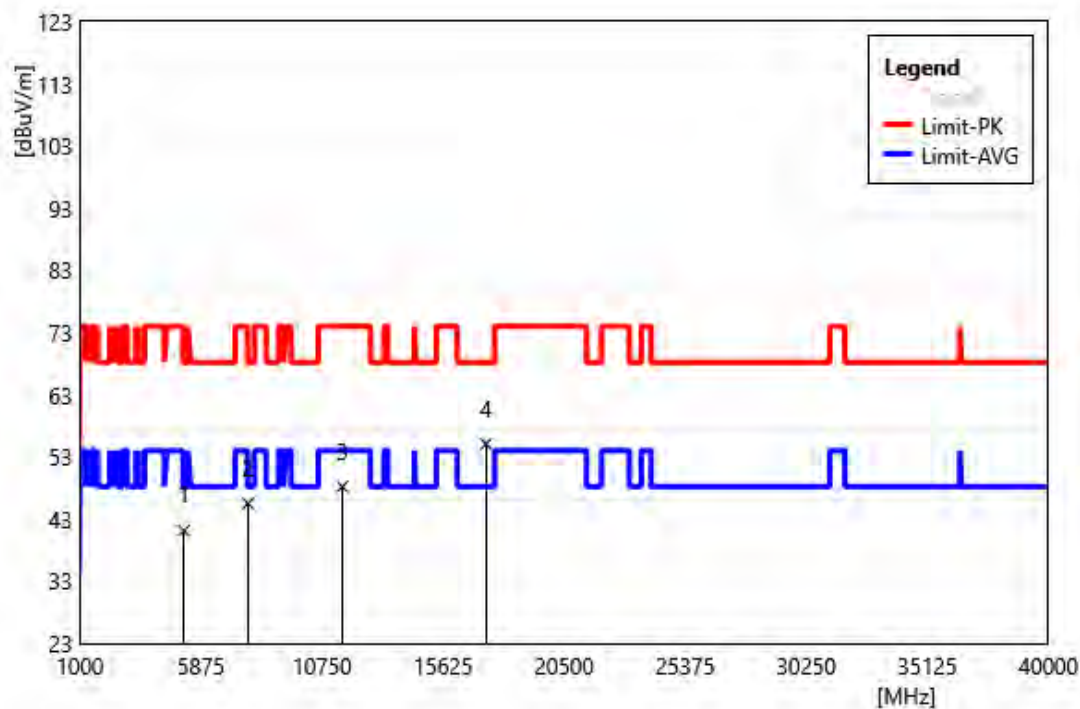
ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	4874.00	38.86	2.60	41.46	74.00	-32.54	PEAK
2	5180.00	39.25	2.40	41.65	74.00	-32.35	PEAK
3	7311.00	47.78	8.06	55.84	74.00	-18.16	PEAK
4	7311.00	41.97	8.06	50.03	54.00	-3.97	AVG
5	7770.00	37.94	7.28	45.22	74.00	-28.78	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	Co-location		
Polarization:	Horizontal		
Remark:	5G+NR		



ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	5180.00	38.89	2.40	41.29	68.20	-26.91	PEAK
2	7770.00	37.57	7.28	44.85	68.20	-23.35	PEAK
3	11570.00	38.95	8.80	47.75	74.00	-26.25	PEAK
4	17355.00	52.69	7.64	60.33	68.20	-7.87	PEAK

Test Site:	96603 - WG	Standard:	Part 22H_24E_27
Test Mode:	Co-location		
Polarization:	Vertical		
Remark:	5G+NR		



ID	Frequency MHz	Reading dBuV	Correct Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
1	5180.00	38.77	2.40	41.17	68.20	-27.03	PEAK
2	7770.00	38.22	7.28	45.50	68.20	-22.70	PEAK
3	11570.00	39.40	8.80	48.20	74.00	-25.80	PEAK
4	17355.00	47.45	7.64	55.09	68.20	-13.11	PEAK

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