

CFR 47 FCC PART 2
CFR 47 FCC PART 22 H
CFR 47 FCC PART 24 E
CFR 47 FCC PART 27
CFR 47 FCC PART 90S
RSS-130, RSS-132, RSS-133, RSS-139, RSS-192, RSS-195, RSS-199

TEST REPORT

For

Acer Connect 5G Mobile Wi-Fi

MODEL NUMBER: M6E

REPORT NUMBER: 4791517585.3-1-RF-2

ISSUE DATE: March 26, 2025

**FCC ID: HLZM6E
IC: 1754F-M6E**

Prepared for

**Acer Incorporated
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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	March 26, 2025	Initial Issue	\

Note:

- 1.This test report is only published to and used by the applicant, and it is not for evidence purpose in China.
2. The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 22 H >< CFR 47 FCC PART 24 E>< CFR 47 FCC PART 27 >< CFR 47 FCC PART 90S > when < Simple Acceptance > decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Acer Incorporated
Address: 8F, 88, Sec. 1, Xintai 5th Rd. Xizhi New Taipei City 221 Taiwan

Manufacturer Information

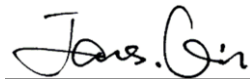
Company Name: Acer Incorporated
Address: 8F, 88, Sec. 1, Xintai 5th Rd. Xizhi New Taipei City 221 Taiwan

EUT Information

EUT Name: Acer Connect 5G Mobile Wi-Fi
Model: M6E
Brand: ACER
Sample Received Date: October 17, 2024
Sample Status: Normal
Sample ID: 7722525
Date of Tested: November 11, 2024 ~ March 25, 2025

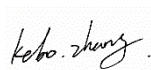
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 22 H	PASS
CFR 47 FCC PART 24 E	PASS
CFR 47 FCC PART 27	PASS
CFR 47 FCC PART 90S	PASS
RSS-130, RSS-132, RSS-133, RSS-139, RSS-192, RSS-195, RSS-199	PASS

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.26-2015, 971168 D01 Power Meas License Digital Systems v03r01, 971168 D02 Misc Rev Approv License Devices v02r01, 412172 D01 v01r01 Determining ERP and EIRP, CFR 47 FCC Part 2, Part 22 H, Part 24 E, Part 27, Part 90S, RSS-130, RSS-132, RSS-133, RSS-139, RSS-192, RSS-195, RSS-199.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: G-20192, C-20153, T-20155 and R-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20192 and R-20202. Shielding Room B, the VCCI registration No. is C-20153 and T-20155.
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Note 1: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China

Note 2: The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3: For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognize national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Conduction emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 40 GHz)	5.78 dB (1 GHz-18 GHz)
	5.23dB (18 GHz-26 GHz)
	5.64 dB (26 GHz-40 GHz)
Bandwidth	1.1 %
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k=2.	

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name:	Acer Connect 5G Mobile Wi-Fi
Model:	M6E

5.2. TEST CHANNEL CONFIGURATION

Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
Band 2	Low Range	1.4	18607	1850.7	607	1930.7
		3	18615	1851.5	615	1931.5
		5	18625	1852.5	625	1932.5
		10	18650	1855	650	1935
		15	18675	1857.5	675	1937.5
		20	18700	1860	700	1940
	Mid Range	1.4/3/5/10/15/20	18900	1880	900	1960
	High Range	1.4	19193	1909.3	1193	1989.3
		3	19185	1908.5	1185	1988.5
		5	19175	1907.5	1175	1987.5
		10	19150	1905	1150	1985
		15	19125	1902.5	1125	1982.5
		20	19100	1900	1100	1980

Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
Band 4	Low Range	1.4	19957	1710.7	1957	2110.7
		3	19965	1711.5	1965	2111.5
		5	19975	1712.5	1975	2112.5
		10	20000	1715	2000	2115
		15	20025	1717.5	2025	2117.5
		20	20050	1720	2050	2120
	Mid Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5
	High Range	1.4	20393	1754.3	2393	2154.3
		3	20385	1753.5	2385	2153.5
		5	20375	1752.5	2375	2152.5
		10	20350	1750	2350	2150
		15	20325	1747.5	2325	2147.5
		20	20300	1745	2300	2145

Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
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Band 5	Low Range	1.4	20407	824.7	2407	869.7
		3	20415	825.5	2415	870.5
		5	20425	826.5	2425	871.5
		10	20450	829	2450	874
	Mid Range	1.4/3/5/10	20525	836.5	2525	881.5
	High Range	1.4	20643	848.3	2643	893.3
		3	20635	847.5	2635	892.5
		5	20625	846.5	2625	891.5
		10	20600	844	2600	889

Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
Band 7	Low Range	5	20775	2502.5	2775	2622.5
		10	20800	2505	2800	2625
		15	20825	2507.5	2825	2627.5
		20	20850	2510	2850	2630
	Mid Range	5/10/15/20	21100	2535	3100	2655
	High Range	5	21425	2567.5	3425	2687.5
		10	21400	2565	3400	2685
		15	21375	2562.5	3375	2682.5
		20	21350	2560	3350	2680

Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
Band 12	Low Range	1.4	23017	699.7	5017	729.7
		3	23025	700.5	5025	730.5
		5	23035	701.5	5035	731.5
		10	23060	704	5060	734
	Mid Range	1.4/3/5 /10	23095	707.5	5095	737.5
	High Range	1.4	23173	715.3	5173	745.3
		3	23165	714.5	5165	744.5
		5	23155	713.5	5155	743.5
		10	23130	711	5130	741

Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
Band 13	Low Range	5	23205	779.5	5205	748.5
		10	23230	782	5230	751
	Mid Range	5/10	23230	782	5230	751
	High Range	5	23255	784.5	5255	753.5
		10	23230	782	5230	751

Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
Band 14	Low Range	5	23305	790.50	5305	760.5
		10	23330	793	5330	763
	Mid Range	5/10	23330	793	5330	763
	High Range	5	23355	795.5	5355	765.5
		10	23330	793	5330	763

Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
Band 17	Low Range	5	23755	706.5	5755	736.5
		10	23780	709	5780	739
	Mid Range	5 /10	23790	710	5790	740
	High Range	5	23825	713.5	5825	743.5
		10	23800	711	5800	741

Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
Band 25	Low Range	1.4	26047	1850.7	8047	1930.7
		3	26055	1851.5	8055	1931.5
		5	26065	1852.5	8065	1932.5
		10	26090	1855	8090	1935
		15	26115	1857.5	8115	1937.5
		20	26140	1860	8140	1940
	Mid Range	1.4/3/5/10/15/20	26365	1882,5	8365	1962.5
	High Range	1.4	26683	1914.3	8683	1994.3
		3	26675	1913.5	8675	1993.5
		5	26665	1912.5	8665	1992.5
		10	26640	1910	8640	1990
		15	26615	1907.5	8615	1987.5

		20	26590	1905	8590	1985
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Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
Band 26	Low Range	1.4	26697	814.7	8697	859.7
		3	26705	815.5	8705	860.5
		5	26715	816.5	8715	861.5
		10	26740	819	8740	864
		15	26765	821.5	8765	866.5
	Mid Range	1.4/3/5/10/15	26865	831.5	8865	876.5
	High Range	1.4	27033	848.3	9033	893.3
		3	27025	847.5	9025	892.5
		5	27015	846.5	9015	891.5
		10	26990	844	8990	889
		15	26965	841.5	8965	886.5

Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
Band 30	Low Range	5	27685	2307.5	9795	2352.5
		10	27710	2310	9820	2355
	Mid Range	5 /10	27710	2310	9820	2355
	High Range	5	27735	2312.5	9845	2357.5
		10	27710	2310	9820	2355

Band	Test Frequency ID	Bandwidth [MHz]	EARFCN	Frequency (UL and DL) [MHz]
Band 38	Low Range	5	37775	2572.5
		10	37800	2575
		15	37825	2577.5
		20	37850	2580
	Mid Range	5/10/15/20	38000	2595
	High Range	5	38225	2617.5
		10	38200	2615
		15	38175	2612.5
		20	38150	2610

Band	Test Frequency ID	Bandwidth [MHz]	EARFCN	Frequency (UL and DL) [MHz]
Band 41	Low Range	5	39675	2498.5
		10	39700	2501
		15	39725	2503.5
		20	39750	2506
	Mid Range	5/10/15/20	40620	2593
	High Range	5	41565	2687.5
		10	41540	2685
		15	41515	2682.5
		20	41490	2680
Band 42	Low Range	5	41615	3402.5
		10	41640	3405
		15	41665	3407.5
		20	41690	3410
	Mid Range	5/10/15/20	42590	3500
	High Range	5	43565	3597.5
		10	43540	3595
		15	43515	3592.5
		20	43490	3590
Band 48	Low Range	5	55265	3552.5
		10	55290	3555
		15	55315	3557.5
		20	55340	3560
	Mid Range	5/10/15/20	55990	3625
	High Range	5	56715	3697.5
		10	56690	3695.0
		15	56665	3693.5
		20	56640	3690.0

Band	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	N DL	Frequency of Downlink [MHz]
Band 66	Low Range	1.4	131979	1710.7	66443	2110.7
		3	131987	1711.5	66451	2111.5
		5	131997	1712.5	66461	2112.5
		10	132022	1715	66486	2115
		15	132047	1717.5	66511	2117.5
		20	132072	1720	66536	2120
	Mid Range Tx ¹	1.4/3/5/10/15/20	132322	1745	66786	2145
	Mid Range	1.4/3/5/10/15/20	132422	1755	66886	2155
		1.4	132665	1779.3	67129	2179.3

	Paired High Range ²	3	132657	1778.5	67121	2178.5
		5	132647	1777.5	67111	2177.5
		10	132622	1775	67086	2175
		15	132597	1772.5	67061	2172.5
		20	132572	1770	67036	2170
	High Range ³	1.4	NA	NA	67329	2199.3
		3	NA	NA	67321	2198.5
		5	NA	NA	67311	2197.5
		10	NA	NA	67286	2195
		15	NA	NA	67261	2192.5
		20	NA	NA	67236	2190
Note 1: Applicable for transmitter testing.						
Note 2: Applicable if UL is configured on the CC.						
Note 3: Applicable if no UL is configured on the CC.						
Band 71	Low Range	5	133147	665.5	68611	619.5
		10	133172	668	68636	622
		15	133197	670.5	68661	624.5
		20	133222	673	68686	627
	Mid Range	5/10/15	133297	680.5	68761	634.5
		20	133322	683	68786	637
	High Range	5	133447	695.5	68911	649.5
		10	133422	693	68886	647
		15	133397	690.5	68861	644.5
20		133372	688	68836	642	

5.3. MAXIMUM AVERAGE OUTPUT POWER

LTE Band 2

Part 24 / RSS-133							
EIRP Limit(W)		2.0					
Antenna Gain (dBi)		2.13					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	1850.7	1909.3	23.78	0.390	1.095	1M10G7W
	16QAM			22.86	0.316	1.101	1M10D7W
3	QPSK	1851.5	1908.5	23.82	0.394	2.696	2M70G7W
	16QAM			22.84	0.314	2.686	2M69D7W
5	QPSK	1852.5	1907.5	23.76	0.388	4.506	4M51G7W
	16QAM			22.95	0.322	4.5	4M50D7W
10	QPSK	1855.0	1905.0	23.71	0.384	8.984	8M99G7W
	16QAM			22.95	0.322	8.985	8M98D7W
15	QPSK	1857.5	1902.5	23.77	0.389	13.467	13M5G7W
	16QAM			22.89	0.318	13.484	13M5D7W
20	QPSK	1860.0	1900.0	23.68	0.381	18.029	18M0G7W
	16QAM			22.81	0.312	18.022	18M0D7W

LTE Band 4

Part 27 / RSS-139							
EIRP Limit(W)		1.0					
Antenna Gain (dBi)		3.55					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	1710.7	1754.3	23.96	0.564	1.101	1M10G7W
	16QAM			23.02	0.454	1.089	1M09D7W
3	QPSK	1711.5	1753.5	23.99	0.568	2.702	2M70G7W
	16QAM			22.98	0.450	2.694	2M69D7W
5	QPSK	1712.5	1752.5	23.97	0.565	4.497	4M50G7W
	16QAM			22.84	0.436	4.504	4M50D7W
10	QPSK	1715.0	1750.0	23.98	0.566	8.992	8M99G7W
	16QAM			22.98	0.450	8.999	9M00D7W
15	QPSK	1717.5	1747.5	23.92	0.558	13.504	13M5G7W
	16QAM			22.94	0.446	13.529	13M5D7W
20	QPSK	1720.0	1745.0	23.98	0.566	18.066	18M1G7W
	16QAM			22.92	0.444	18.049	18M0D7W

LTE Band 5

Part 22 / RSS-132							
ERP Limit(W)		7.0					
Antenna Gain (dBi)		-0.81					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	824.7	848.3	24.45	0.141	1.096	1M10G7W
	16QAM			23.31	0.108	1.095	1M10D7W
3	QPSK	825.5	847.5	24.31	0.136	2.698	2M70G7W
	16QAM			23.22	0.106	2.694	2M69D7W
5	QPSK	826.5	846.5	24.41	0.140	4.509	4M51G7W
	16QAM			23.17	0.105	4.517	4M52D7W
10	QPSK	829	844	24.30	0.136	8.972	8M97G7W
	16QAM			23.12	0.104	8.966	8M97D7W

LTE Band 7

Part 27 / RSS-199							
EIRP Limit(W)		2.0					
Antenna Gain (dBi)		2.66					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	2502.5	2567.5	23.59	0.422	4.496	4M50G7W
	16QAM			22.71	0.344	4.519	4M52D7W
10	QPSK	2505	2565	23.68	0.431	8.975	8M98G7W
	16QAM			22.74	0.347	8.982	8M98D7W
15	QPSK	2507.5	2562.5	23.66	0.429	13.496	13M5G7W
	16QAM			22.72	0.345	13.478	13M5D7W
20	QPSK	2510	2560	23.56	0.419	18.042	18M0G7W
	16QAM			22.67	0.341	18.01	18M0D7W

LTE Band 12

Part 27 / RSS-130							
ERP Limit(W)		3.0					
Antenna Gain (dBi)		-1.2					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	699.7	715.3	24.29	0.124	1.099	1M10G7W
	16QAM			23.14	0.095	1.088	1M09D7W
3	QPSK	700.5	714.5	24.26	0.123	2.7	2M70G7W
	16QAM			23.24	0.097	2.684	2M69D7W
5	QPSK	701.5	713.5	24.28	0.124	4.5	4M50G7W
	16QAM			23.31	0.099	4.508	4M51D7W
10	QPSK	704.0	711.0	24.15	0.120	8.982	8M98G7W
	16QAM			23.20	0.097	8.975	8M98D7W

LTE Band 13

Part 27 / RSS-130							
ERP Limit(W)		3.0					
Antenna Gain (dBi)		-1.46					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	779.5	784.5	22.50	0.077	4.498	4M50G7W
	16QAM			22.47	0.077	4.504	4M50D7W
10	QPSK	782.0	782.0	22.46	0.077	8.977	8M98G7W
	16QAM			22.43	0.076	8.969	8M97D7W

LTE Band 14

Part 90R/RSS 140							
ERP Limit(W)		3.0					
Antenna Gain (dBi)		-0.91					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	790.5	795.5	24.18	0.129	4.508	4M51G7W
	16QAM			23.30	0.106	4.517	4M52D7W
10	QPSK	793.0	793.0	24.17	0.129	8.974	8M97G7W
	16QAM			23.28	0.105	8.973	8M97D7W

LTE Band 17

Part 27 / RSS-130							
ERP Limit(W)		3.0					
Antenna Gain (dBi)		-3.08					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	706.5	713.5	24.18	0.079	4.497	4M50G7W
	16QAM			23.30	0.064	4.491	4M50D7W
10	QPSK	709.0	711.0	24.17	0.078	8.973	8M97G7W
	16QAM			23.28	0.064	8.972	8M97D7W

LTE Band 25

Part 27 / RSS-139							
EIRP Limit(W)		2.0					
Antenna Gain (dBi)		2.35					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	1850.7	1914.3	23.99	0.431	1.094	1M10G7W
	16QAM			22.98	0.341	1.099	1M10D7W
3	QPSK	1851.5	1913.5	23.91	0.423	2.695	2M70G7W
	16QAM			23.00	0.343	2.689	2M69D7W
5	QPSK	1852.5	1912.5	23.83	0.415	4.505	4M51G7W
	16QAM			22.97	0.340	4.516	4M52D7W
10	QPSK	1855.0	1910.0	23.92	0.424	8.985	8M99G7W
	16QAM			22.92	0.337	8.971	8M97D7W
15	QPSK	1857.5	1907.5	23.86	0.418	13.472	13M5G7W
	16QAM			22.86	0.332	13.457	13M5D7W
20	QPSK	1860.0	1905.0	23.87	0.419	17.993	18M0G7W
	16QAM			22.89	0.334	17.995	18M1D7W

LTE Band 26(814~824 MHz)

Part 90S							
Conducted Limit(W)		100					
Antenna Gain (dBi)		-0.87					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	814.7	823.3	24.46	/	1.1	1M10G7W
	16QAM			23.41	/	1.089	1M09D7W
3	QPSK	815.5	822.5	24.40	/	2.699	2M70G7W
	16QAM			23.30	/	2.687	2M69D7W
5	QPSK	816.5	821.5	24.35	/	4.497	4M50G7W
	16QAM			23.31	/	4.507	4M51D7W
10	QPSK	819.0	819.0	24.13	/	8.991	9M00G7W
	16QAM			23.08	/	8.988	8M99D7W

LTE Band 26(824~849 MHz)

Part 22 / RSS-132							
ERP Limit(W)		7.0					
Antenna Gain (dBi)		-0.81					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	824.7	848.3	24.28	0.136	1.095	1M10G7W
	16QAM			23.32	0.109	1.100	1M10D7W
3	QPSK	825.5	847.5	24.34	0.137	2.699	2M70G7W
	16QAM			23.34	0.109	2.685	2M69D7W
5	QPSK	826.5	846.5	24.26	0.135	4.499	4M50G7W
	16QAM			23.32	0.109	4.495	4M50D7W
10	QPSK	829.0	844.0	24.32	0.137	8.988	8M99G7W
	16QAM			23.24	0.107	8.985	8M99D7W
15	QPSK	831.5	841.5	24.26	0.135	13.426	13M4G7W
	16QAM			23.26	0.107	13.478	13M5D7W

LTE Band 30

Part 27 / RSS-195							
ERP Limit(W)		0.25					
Antenna Gain (dBi)		0.76					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	2307.5	2312.5	22.50	0.129	4.499	4M50G7W
	16QAM			22.47	0.128	4.499	4M50D7W
10	QPSK	2310.0	2310.0	22.46	0.128	8.994	9M00G7W
	16QAM			22.43	0.127	8.987	8M99D7W

LTE Band 38

Part 27 / RSS-199							
EIRP Limit(W)		2.0					
Antenna Gain (dBi)		0.98					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	2572.5	2617.5	25.44	0.439	4.506	4M51G7W
	16QAM			24.71	0.371	4.504	4M50D7W
10	QPSK	2575	2615	25.45	0.440	8.981	8M98G7W
	16QAM			24.53	0.356	8.958	8M96D7W
15	QPSK	2577.5	2612.5	25.45	0.440	13.493	13M5G7W
	16QAM			24.71	0.371	13.487	13M5D7W
20	QPSK	2580	2610	25.37	0.432	18.084	18M1G7W
	16QAM			24.62	0.363	18.045	18M0D7W

LTE Band 41

Part 27							
EIRP Limit(W)		2.0					
Antenna Gain (dBi)		1.06					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	2498.5	2687.5	24.39	0.351	4.513	4M51G7W
	16QAM			23.43	0.281	4.492	4M50D7W
10	QPSK	2501	2685	24.48	0.358	9.001	9M00G7W
	16QAM			23.34	0.275	9.018	9M01D7W
15	QPSK	2503.5	2682.5	24.62	0.370	13.497	13M5G7W
	16QAM			23.38	0.278	13.504	13M5D7W
20	QPSK	2506	2680	24.50	0.360	18.095	18M1G7W
	16QAM			23.35	0.276	18.038	18M0D7W

LTE Band 41(2500~2690 MHz)

RSS-199							
EIRP Limit(W)		2.0					
Antenna Gain (dBi)		1.06					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	2502.5	2687.5	24.31	0.344	4.504	4M50G7W
	16QAM			23.42	0.281	4.492	4M50D7W
10	QPSK	2505.0	2685.0	24.23	0.338	8.975	8M98G7W
	16QAM			23.41	0.280	8.957	8M96D7W
15	QPSK	2507.5	2682.5	24.20	0.336	13.457	13M5G7W
	16QAM			23.31	0.274	13.49	13M5D7W
20	QPSK	2510.0	2680.0	24.21	0.337	18.033	18M0G7W
	16QAM			23.40	0.279	18.029	18M0D7W

LTE Band 42(3450~3600 MHz)

RSS-192							
EIRP Limit(dBm)		30					
Antenna Gain (dBi)		-0.2					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	3452.5	3597.5	22.88	22.68	4.495	4M50G7W
	16QAM			21.81	21.61	4.505	4M51D7W
10	QPSK	3455	3595	22.76	22.56	9.018	9M02G7W
	16QAM			21.76	21.56	8.957	8M96D7W
15	QPSK	3457.5	3592.5	22.75	22.55	13.48	13M5G7W
	16QAM			21.89	21.69	13.472	13M5D7W
20	QPSK	3460	3590	22.77	22.57	18.085	18M1G7W
	16QAM			21.82	21.62	18.024	18M0D7W

LTE Band 42(3450~3550 MHz)

Part 27							
EIRP Limit(W)		1.0					
Antenna Gain (dBi)		-0.2					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	3402.5	3597.5	23.82	0.230	4.503	4M50G7W
	16QAM			22.85	0.184	4.492	4M49D7W

10	QPSK	3405	3595	23.70	0.224	8.973	8M97G7W
	16QAM			22.97	0.189	8.953	8M95D7W
15	QPSK	3407.5	3592.5	23.75	0.226	13.451	13M5G7W
	16QAM			22.99	0.190	13.497	13M5D7W
20	QPSK	3410	3590	23.77	0.228	18.04	18M0G7W
	16QAM			22.98	0.190	18.013	18M0D7W

LTE Band 42(3550~3600 MHz)

Part 96							
EIRP Limit(dBm/10 MHz)		23					
Antenna Gain (dBi)		-1.53					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm/10 MHz)	99% OBW (MHz)	Emission Designator
5	QPSK	3452.5	3547.5	23.79	22.260	4.504	4M50G7W
	16QAM			22.72	21.190	4.503	4M50D7W
10	QPSK	3455.0	3545.0	23.82	22.290	8.99	9M00G7W
	16QAM			22.78	21.250	8.971	8M97D7W
15	QPSK	3457.5	3542.5	23.58	22.050	13.448	13M4G7W
	16QAM			22.82	21.290	13.491	13M5D7W
20	QPSK	3460.0	3540.0	23.69	22.160	18	18M0G7W
	16QAM			22.81	21.280	18.003	18M0D7W

LTE Band 48

Part 96 / RSS-192							
EIRP Limit(W)		23					
Antenna Gain (dBi)		-1.45					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm/10 MHz)	99% OBW (MHz)	Emission Designator
5	QPSK	3552.5	3597.5	23.18	21.730	4.493	4M50G7W
	16QAM			21.96	20.510	4.516	4M52D7W
10	QPSK	3555	3595	23.13	21.680	9.025	9M03G7W
	16QAM			21.91	20.460	8.968	8M97D7W
15	QPSK	3557.5	3692.5	23.21	21.760	13.464	13M5G7W
	16QAM			21.94	20.490	13.474	13M5D7W
20	QPSK	3560	3690	23.21	21.760	17.988	18M0G7W
	16QAM			21.95	20.500	17.977	18M0D7W

LTE Band 66

Part 27 / RSS-139							
EIRP Limit(W)		1.0					
Antenna Gain (dBi)		3.5					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	1710.7	1779.3	24.21	0.597	1.095	1M10G7W
	16QAM			23.14	0.467	1.098	1M10D7W
3	QPSK	1711.5	1778.5	24.05	0.575	2.7	2M70G7W
	16QAM			23.07	0.459	2.691	2M70D7W
5	QPSK	1712.5	1777.5	24.19	0.594	4.499	4M50G7W
	16QAM			22.98	0.450	4.506	4M51D7W
10	QPSK	1715	1775	24.19	0.594	8.997	9M00G7W
	16QAM			23.07	0.459	8.989	8M99D7W
15	QPSK	1717.5	1772.5	24.23	0.600	13.429	13M4G7W
	16QAM			22.99	0.451	13.473	13M5D7W
20	QPSK	1720	1770	24.10	0.582	18.02	18M0G7W
	16QAM			22.98	0.450	17.996	18M0D7W

LTE Band 71

Part 27 / RSS-130							
ERP Limit(W)		3.0					
Antenna Gain (dBi)		-1.2					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	665.5	695.5	23.92	0.114	4.497	4M50G7W
	16QAM			23.42	0.102	4.509	4M51D7W
10	QPSK	668.0	693.0	23.92	0.114	8.984	8M98G7W
	16QAM			23.43	0.102	8.998	9M00D7W
15	QPSK	670.5	690.5	23.93	0.114	13.444	13M4G7W
	16QAM			23.41	0.101	13.504	13M5D7W
20	QPSK	673.0	688.0	23.85	0.112	18.052	18M1G7W
	16QAM			23.37	0.100	18.123	18M1D7W

5.4. WORST-CASE CONFIGURATION AND MODE

During all testing, EUT is in link mode with base station emulator at maximum power level. The worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on QPSK, 16QAM. All testing was performed using QPSK and 16QAM modulations to represent the worst case.

The radiated spurious emissions measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT was investigated in three orthogonal orientations X,Y and Z. It was determined that X orientation was the worst-case.

Radiated spurious emissions were investigated below 30 MHz, 30 MHz - 1 GHz and above 1 GHz. There are no emissions found on below 1GHz and above 18 GHz, the emissions between 1 GHz – 18 GHz are tested at the low, mid, high channel and the worse configuration.

Test Items	Worst case test configuration			
Description	Modulation	Channel	Bandwidth (MHz)	RB Configuration
Radiated Spurious Emissions	QPSK	L, M, H	Maximum BW	RB size=1, RB Location=Low

5.5. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Band	Antenna Type	MAX Antenna Gain (dBi)
Ant0	LTE Band 2	LDS	2.13
Ant0	LTE Band 4	LDS	3.55
Ant0	LTE Band 5	LDS	-0.81
Ant0	LTE Band 7	LDS	2.66
Ant0	LTE Band 12	LDS	-1.2
Ant0	LTE Band 13	LDS	-1.46
Ant0	LTE Band 14	LDS	-0.91
Ant0	LTE Band 17	LDS	-3.08
Ant0	LTE Band 25	LDS	2.35
Ant0	LTE Band 26(814~824 MHz)	LDS	-0.87
Ant0	LTE Band 26(824~849 MHz)	LDS	-0.81
Ant0	LTE Band 30	LDS	0.76
Ant3	LTE Band 38	LDS	0.98
Ant3	LTE Band 41	LDS	1.06
Ant4	LTE Band 42(3450~3550 MHz)	LDS	-0.2
Ant4	LTE Band 42(3550~3600 MHz)	LDS	-1.53
Ant4	LTE Band 48	LDS	-1.45
Ant0	LTE Band 66	LDS	3.55
Ant0	LTE Band 71	LDS	-1.2

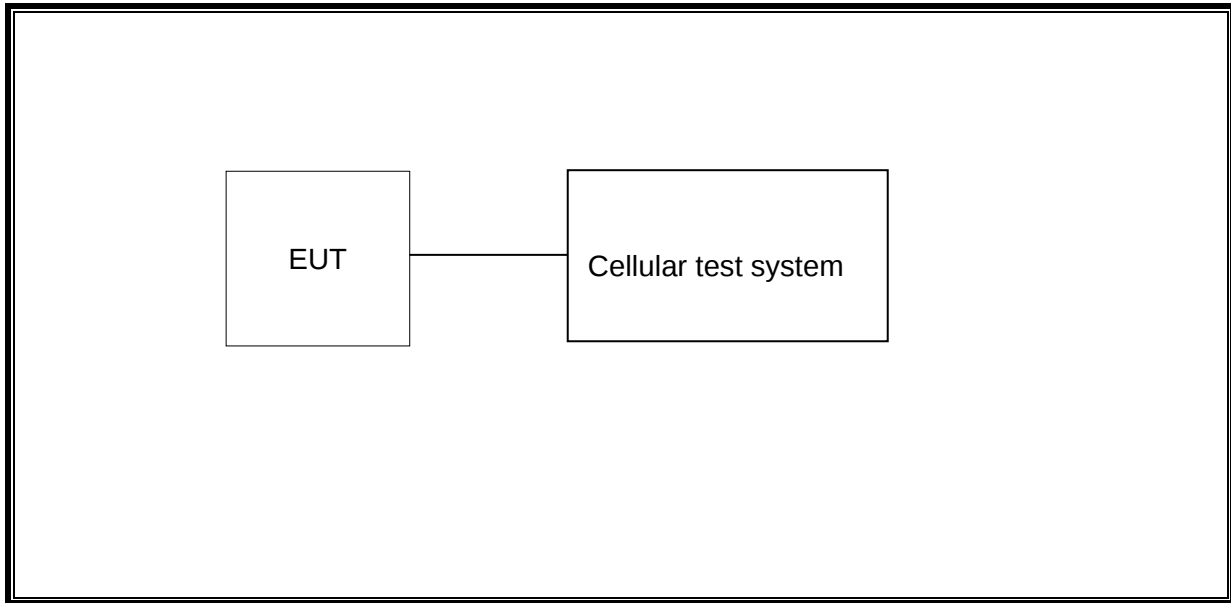
Band	Transmit and Receive Mode	Description
LTE Band 2	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna
LTE Band 4	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna
LTE Band 5	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna
LTE Band 7	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna
LTE Band 12	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna
LTE Band 13	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna
LTE Band 14	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna

LTE Band 17	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna
LTE Band 25	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna
LTE Band 26	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna
LTE Band 30	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna
LTE Band 38	☒ 1TX, 1RX	Ant3 antenna can be used as transmitting/receiving antenna
LTE Band 41	☒ 1TX, 1RX	Ant3 antenna can be used as transmitting/receiving antenna
LTE Band 42	☒ 1TX, 1RX	Ant4 antenna can be used as transmitting/receiving antenna
LTE Band 48	☒ 1TX, 1RX	Ant4 antenna can be used as transmitting/receiving antenna
LTE Band 66	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna
LTE Band 71	☒ 1TX, 1RX	Ant0 antenna can be used as transmitting/receiving antenna

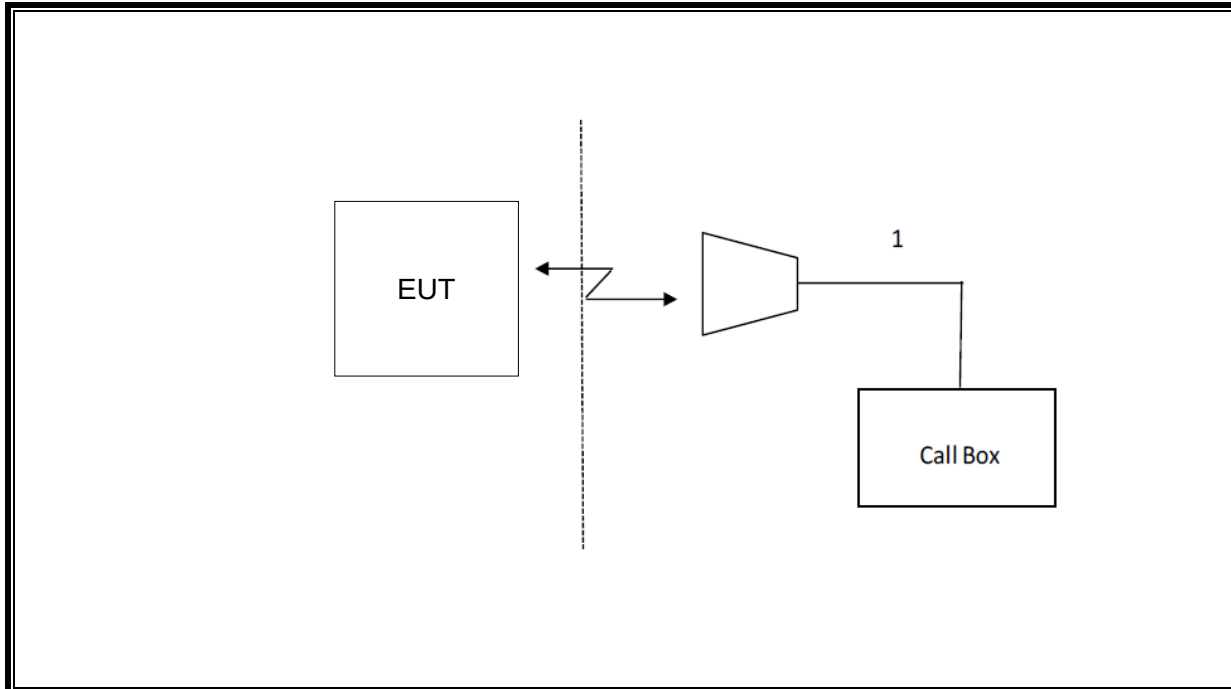
Note: The value of the antenna gain was declared by customer.

5.6. DESCRIPTION OF TEST SETUP

Conducted



Radiated



6. MEASURING INSTRUMENT AND SOFTWARE USED

Antenna Terminal Test						
Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
☒	Spectrum Analyzer	R&S	FSW	1312.8000K26-103950-sj	Sept. 28, 2024	Sept. 27, 2025
☒	Wideband Radio Communication Tester	R&S	CMW500	155523	Sept. 28, 2024	Sept. 27, 2025
Software						
Used	Description		Manufacturer	Name		Version
☒	Tonsend Cellular Test System		Tonsend	JS1120 RF Auto Test System		3.1.46
Radiated Test						
Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
☒	MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Sept.28, 2024	Sept.27, 2025
☒	Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	June.28, 2024	June.27, 2027
☒	Preamplifier	HP	8447D	2944A09099	June.18, 2024	June.17, 2025
☒	EMI Measurement Receiver	R&S	ESR26	101377	Sept.28, 2024	Sept.27, 2025
☒	Horn Antenna	TDK	HRN-0118	130940	Dece. 12, 2024	Dece. 11, 2027
☒	Horn Antenna	Schwarzbeck	BBHA9170	697	June.30, 2024	June.29, 2027
☒	Preamplifier	TDK	PA-02-0118	TRS-305-00066	June.18, 2024	June.17, 2025
☒	Preamplifier	TDK	PA-02-2	TRS-307-00003	June.18, 2024	June.17, 2025
☒	Loop antenna	Schwarzbeck	1519B	00008	Dec.09, 2024	Dec.08, 2027
☒	High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	June.18, 2024	June.17, 2025
Software						
Used	Description		Manufacturer	Name		Version
☒	Test Software for Radiated disturbance		Farad	EZ-EMC		Ver. UL-3A1

7. ANTENNA TERMINAL TEST RESULTS

7.1. EFFECTIVE (ISOTROPIC) RADIATED POWER OF TRANSMITTER

RULE PART(S)

FCC: §2.1046, §22.913, §24.232, §27.50
RSS-130, RSS-132, RSS-133, RSS-139, RSS-192, RSS-195, RSS-199

LIMITS

22.913(a) The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

24.232(c) Mobile/portable stations are limited to 2 watts e.i.r.p. peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications.

27.50(c) Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

27.50(d) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watts EIRP.

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

27.50(k) Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

§ 96.41 General radio requirements.

The requirements in this section apply to CBSDs and their associated End User Devices, unless otherwise specified.

- (a) **Digital modulation.** Systems operating in the Citizens Broadband Radio Service must use digital modulation techniques.
- (b) **Power limits.** Unless otherwise specified in this section, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table in this [paragraph \(b\)](#):

Expand
Table

Device	Maximum EIRP (dBm/10 megahertz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD ¹	47	37

RSS-192:

Equipment type	Maximum power
Non-AAS: base station (outdoor), fixed P-P station, P-MP hub station	68 dBm e.i.r.p./5 MHz
AAS: base station (outdoor), P-MP hub station	47 dBm TRP/5MHz
Indoor base station	39 dBm TRP/channel bandwidth
Fixed subscriber equipment	39 dBm e.i.r.p./channel bandwidth
Subscriber equipment other than fixed subscriber equipment	30 dBm e.i.r.p./channel bandwidth

TEST PROCEDURE

Refer to ANSI C63.26:2015 and KDB 971168 D01 Section 5.6

$ERP/ EIRP = P_{Meas} + GT - LC$

where:

ERP or EIRP = effective or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

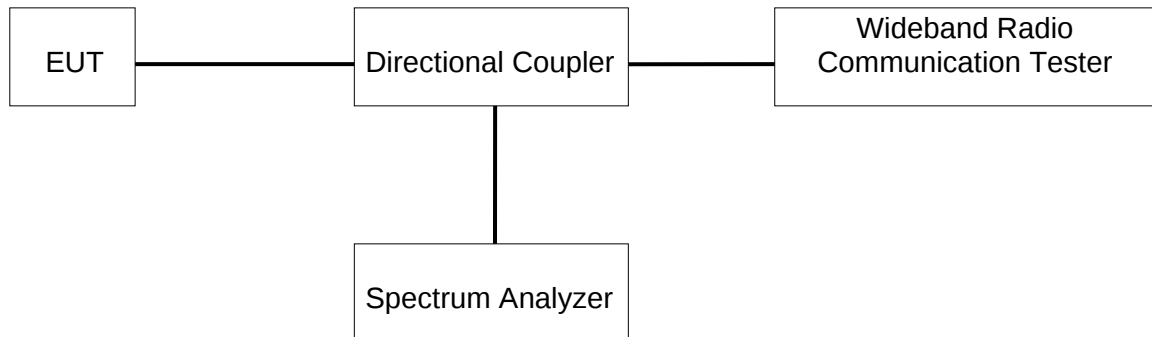
P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB

The transmitter has a maximum output powers as follows and maximum ERP/EIRP is tabulated in section 5.3.

TEST SETUP



TEST ENVIRONMENT

Temperature	22.1°C	Relative Humidity	57.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

Other results please refer to No.: 4791517585.3-1-SAR-1- App A Conducted Power.

LTE Band 26(814-824)

LTE FDD B26				Conducted Power(dBm)		
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				26697	26740	26783
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				814.70	819.00	823.30
1.4MHz	QPSK	1	0	24.16	24.44	24.46
		1	2	24.23	24.08	23.63
		1	5	24.13	23.83	23.01
		3	0	23.03	23.20	23.25
		3	1	22.96	23.06	23.32
		3	3	23.28	23.29	23.04
		6	0	22.98	23.25	23.13
	16QAM	1	0	23.09	23.14	22.98
		1	2	22.92	23.34	23.18
		1	5	23.00	23.41	22.80
		3	0	22.22	22.22	22.20
		3	1	22.03	22.11	21.95
		3	3	22.25	21.84	22.07
		6	0	21.93	22.22	22.09
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				26705	26740	26775
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				815.50	819.00	822.50
3MHz	QPSK	1	0	24.23	24.32	24.40
		1	8	24.17	23.97	23.72
		1	14	24.01	23.90	23.20

		8	0	22.98	23.24	23.07
		8	4	23.11	23.15	23.20
		8	7	23.08	23.12	23.06
		15	0	23.22	23.25	23.15
	16QAM	1	0	22.93	23.17	22.92
		1	8	23.09	23.30	23.14
		1	14	22.82	23.28	22.94
		8	0	22.24	21.99	22.12
		8	4	22.13	22.14	21.87
		8	7	22.33	21.93	22.15
		15	0	21.81	22.19	22.13
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				26715	26740	26765
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				816.50	819.00	821.50
5MHz	QPSK	1	0	24.13	24.35	24.32
		1	12	24.18	24.09	23.75
		1	24	24.06	23.81	23.06
		12	0	23.13	23.30	23.11
		12	6	22.97	23.15	23.23
		12	13	23.17	23.24	23.02
		25	0	23.10	23.13	23.04
	16QAM	1	0	23.07	23.18	23.00
		1	12	22.97	23.29	23.14
		1	24	22.97	23.31	22.94
		12	0	22.18	22.08	22.26
		12	6	22.18	22.25	21.93
		12	13	22.24	21.95	22.04
		25	0	21.95	22.07	22.12
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				N/A	26740	N/A
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				N/A	819.00	N/A
10MHz	QPSK	1	0	N/A	24.13	N/A
		1	24	N/A	24.09	N/A
		1	49	N/A	23.98	N/A
		25	0	N/A	23.17	N/A
		25	12	N/A	23.11	N/A
		25	25	N/A	23.13	N/A
		50	0	N/A	23.14	N/A
	16QAM	1	0	N/A	23.08	N/A
		1	24	N/A	23.01	N/A
		1	49	N/A	23.02	N/A
		25	0	N/A	22.16	N/A
		25	12	N/A	22.12	N/A
		25	25	N/A	22.10	N/A
		50	0	N/A	22.10	N/A

LTE Band 26(824-849)

LTE FDD B26				Conducted Power(dBm)		
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				26797	26915	27033
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				824.70	836.50	848.30
1.4MHz	QPSK	1	0	24.12	24.28	24.09
		1	2	24.11	24.22	23.54

		1	5	23.79	23.90	23.05
		3	0	24.25	24.18	24.14
		3	1	24.14	24.15	23.71
		3	3	23.69	23.91	23.12
		6	0	23.14	23.01	23.17
	16QAM	1	0	23.22	23.07	23.08
		1	2	23.09	23.07	23.27
		1	5	23.11	23.31	23.18
		3	0	23.10	23.22	23.27
		3	1	23.16	23.32	23.20
		3	3	23.10	23.17	22.97
		6	0	22.27	22.26	22.18
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				26805	26915	27025
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				825.50	836.50	847.50
3MHz	QPSK	1	0	24.23	24.15	24.21
		1	12	24.24	24.34	23.57
		1	24	23.61	23.94	23.03
		12	0	23.08	23.08	23.12
		12	6	23.00	23.21	22.98
		12	13	23.00	23.03	23.10
		25	0	23.11	23.23	23.31
	16QAM	1	0	23.07	23.34	23.20
		1	12	23.10	23.23	23.33
		1	24	23.10	23.14	22.92
		12	0	21.94	22.23	22.25
		12	6	22.21	22.24	22.15
		12	13	22.05	22.28	22.06
		25	0	22.11	22.36	22.13
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				26815	26915	27015
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				826.50	836.50	846.50
5MHz	QPSK	1	0	24.26	24.17	24.20
		1	24	24.15	24.26	23.62
		1	49	23.55	23.83	23.27
		25	0	23.17	23.09	23.08
		25	12	22.95	23.23	23.19
		25	25	23.01	22.99	23.00
		50	0	23.12	23.09	23.17
	16QAM	1	0	23.05	23.15	23.11
		1	24	23.18	23.07	23.32
		1	49	22.98	22.97	22.85
		25	0	21.98	22.19	22.13
		25	12	22.17	22.20	21.96
		25	25	21.99	22.16	22.00
		50	0	22.20	22.23	22.13
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				26840	26915	26990
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				829.00	836.50	844.00
10MHz	QPSK	1	0	24.07	24.30	24.16
		1	38	24.24	24.32	23.50
		1	74	23.85	24.05	23.10
		36	0	23.17	23.04	23.12
		36	18	23.13	23.00	23.05

	16QAM	36	37	23.03	23.16	23.01
		75	0	23.05	23.12	23.18
		1	0	23.16	23.21	23.05
		1	38	23.24	23.05	23.24
		1	74	22.98	23.09	22.94
		36	0	22.24	22.01	22.10
		36	18	22.02	22.03	22.22
		36	37	22.11	22.06	22.22
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				26865	26915	26965
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				831.50	836.50	841.50
15MHz	QPSK	1	0	24.12	24.26	24.17
		1	49	24.20	24.26	23.61
		1	99	23.70	23.94	23.13
		50	0	23.07	23.13	23.13
		50	25	23.10	23.11	23.09
		50	50	23.14	23.12	23.12
		100	0	23.15	23.18	23.16
	16QAM	1	0	23.05	23.22	23.15
		1	49	23.12	23.19	23.26
		1	99	23.10	23.12	22.99
		50	0	22.09	22.16	22.19
		50	25	22.06	22.17	22.08
		50	50	22.10	22.18	22.12
		100	0	22.13	22.21	22.18

IC:LTE Band 41(2500-3550)

Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				39715	40640	41565
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				2502.50	2595.00	2687.50
5	QPSK	1	0	24.06	24.12	23.34
		1	12	24.10	24.05	23.72
		1	24	24.31	23.81	24.21
		12	0	23.22	23.19	23.05
		12	6	23.49	23.06	22.84
		12	13	23.23	23.19	22.69
		25	0	23.32	23.26	22.80
	16QAM	1	0	23.23	22.77	23.27
		1	12	23.12	23.38	22.62
		1	24	23.42	22.65	22.64
		12	0	22.36	22.19	22.00
		12	6	22.20	21.98	21.76
		12	13	22.41	21.89	21.66
		25	0	22.40	22.01	21.87
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				39740	40640	41540
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				2505.00	2595.00	2685.00
10	QPSK	1	0	24.11	24.08	23.37
		1	24	23.88	24.12	23.80
		1	49	24.23	23.92	24.17
		25	0	23.29	23.19	23.02
		25	12	23.38	23.26	22.70
		25	25	23.31	23.11	22.67

	16QAM	50	0	23.34	23.24	22.83
		1	0	23.08	22.52	23.10
		1	24	23.02	23.37	22.75
		1	49	23.41	22.75	22.65
		25	0	22.38	22.24	21.93
		25	12	22.29	22.13	21.67
		25	25	22.33	21.84	21.66
		50	0	22.27	22.11	21.67
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				39765	40640	41515
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				2507.50	2595.00	2682.50
15	QPSK	1	0	24.02	24.20	23.15
		1	38	23.86	24.17	23.84
		1	74	24.07	24.00	23.96
		36	0	23.30	23.07	22.97
		36	18	23.50	23.09	22.80
		36	37	23.29	23.11	22.52
		75	0	23.20	23.33	22.77
	16QAM	1	0	23.12	22.57	23.22
		1	38	23.28	23.17	22.83
		1	74	23.31	22.80	22.66
		36	0	22.20	22.27	21.88
		36	18	22.23	22.13	21.78
		36	37	22.23	21.81	21.60
		75	0	22.11	22.13	21.86
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				39790	40640	41490
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				2510.00	2595.00	2680.00
20	QPSK	1	0	23.96	24.05	23.25
		1	49	24.01	24.20	23.87
		1	99	24.21	23.92	24.07
		50	0	23.38	23.21	23.11
		50	25	23.38	23.18	22.73
		50	50	23.31	23.09	22.62
		100	0	23.35	23.27	22.86
	16QAM	1	0	23.09	22.65	23.16
		1	49	23.13	23.30	22.72
		1	99	23.40	22.77	22.66
		50	0	22.29	22.27	21.93
		50	25	22.16	22.07	21.79
		50	50	22.26	21.89	21.63
		100	0	22.37	22.12	21.73

FCC:LTE Band 42(3450-3550)

Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				42115	42590	43065
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3452.50	3500.00	3547.50
5	QPSK	1	0	23.03	23.42	23.14
		1	12	22.74	23.75	23.65
		1	24	22.39	23.82	23.46
		12	0	22.16	22.87	22.53
		12	6	21.89	22.43	22.39
		12	13	21.69	22.82	22.71

	16QAM	25	0	21.80	22.79	22.35
		1	0	22.10	22.42	22.55
		1	12	21.84	22.73	22.62
		1	24	21.51	22.85	22.49
		12	0	20.98	21.47	21.37
		12	6	20.95	21.77	21.53
		12	13	20.89	21.97	21.59
		25	0	20.98	21.54	21.64
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				42140	42590	43040
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3455.00	3500.00	3545.00
10	QPSK	1	0	23.05	23.42	23.06
		1	24	22.77	23.70	23.55
		1	49	22.54	23.63	23.47
		25	0	22.12	22.81	22.57
		25	12	22.15	22.60	22.62
		25	25	21.56	22.84	22.51
		50	0	21.68	22.71	22.42
	16QAM	1	0	21.85	22.48	22.30
		1	24	21.75	22.84	22.47
		1	49	21.65	22.97	22.34
		25	0	21.04	21.52	21.41
		25	12	20.72	21.71	21.64
		25	25	20.79	21.80	21.52
		50	0	20.93	21.32	21.61
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				42165	42590	43015
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3457.50	3500.00	3542.50
15	QPSK	1	0	23.10	23.66	23.13
		1	38	22.88	23.75	23.67
		1	74	22.50	23.66	23.26
		36	0	22.23	22.63	22.66
		36	18	21.97	22.47	22.57
		36	37	21.50	22.84	22.58
		75	0	21.85	22.69	22.38
	16QAM	1	0	21.84	22.60	22.28
		1	38	21.73	22.90	22.36
		1	74	21.45	22.99	22.58
		36	0	20.79	21.37	21.57
		36	18	20.82	21.53	21.73
		36	37	20.77	21.73	21.51
		75	0	20.89	21.35	21.44
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				42190	42590	42990
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3460.00	3500.00	3540.00
20	QPSK	1	0	23.03	23.56	23.16
		1	49	22.82	23.70	23.63
		1	99	22.49	23.77	23.32
		50	0	22.09	22.72	22.52
		50	25	22.04	22.55	22.49
		50	50	21.64	22.78	22.62
		100	0	21.79	22.73	22.48
	16QAM	1	0	21.99	22.56	22.43
		1	49	21.86	22.85	22.51

		1	99	21.57	22.98	22.43
		50	0	20.94	21.52	21.49
		50	25	20.80	21.68	21.65
		50	50	20.80	21.87	21.56
		100	0	20.97	21.47	21.56

FCC:LTE Band 42(3550-3600)

Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				43115	43340	43565
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3552.50	3575.00	3597.50
5	QPSK	1	0	23.09	23.55	23.22
		1	12	22.88	23.66	23.61
		1	24	22.36	23.79	23.47
		12	0	22.08	22.70	22.48
		12	6	21.96	22.64	22.39
		12	13	21.76	22.94	22.64
	16QAM	25	0	21.66	22.83	22.54
		1	0	21.88	22.51	22.23
		1	12	21.89	22.67	22.72
		1	24	21.47	22.14	22.43
		12	0	21.07	21.73	21.53
		12	6	20.60	21.44	21.57
		12	13	20.82	21.78	21.58
		25	0	20.98	21.70	21.56
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				43140	43340	43540
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3555.00	3575.00	3595.00
10	QPSK	1	0	23.14	23.31	23.28
		1	24	22.85	23.64	23.52
		1	49	22.42	23.82	23.20
		25	0	22.19	22.72	22.33
		25	12	21.99	22.84	22.46
		25	25	21.60	22.78	22.74
	16QAM	50	0	21.62	22.79	22.45
		1	0	22.10	22.62	22.29
		1	24	21.71	22.78	22.75
		1	49	21.73	22.31	22.16
		25	0	20.86	21.53	21.32
		25	12	20.65	21.65	21.40
		25	25	20.78	21.66	21.59
		50	0	21.13	21.63	21.60
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				43165	43340	43515
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3557.50	3575.00	3592.50
15	QPSK	1	0	23.24	23.57	23.20
		1	38	22.94	23.49	23.48
		1	74	22.42	23.58	23.44
		36	0	22.28	22.59	22.48
		36	18	21.81	22.69	22.49
		36	37	21.79	22.92	22.66
		75	0	21.68	22.68	22.34
	16QAM	1	0	22.02	22.55	22.42
		1	38	21.86	22.82	22.65
		1	74	21.47	22.30	22.44

		36	0	21.05	21.79	21.47
		36	18	20.60	21.61	21.55
		36	37	20.81	21.55	21.54
		75	0	20.98	21.71	21.49
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				43190	43340	43490
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3560.00	3575.00	3590.00
20	QPSK	1	0	23.13	23.42	23.22
		1	49	22.87	23.61	23.51
		1	99	22.48	23.69	23.33
		50	0	22.13	22.65	22.39
		50	25	21.89	22.70	22.35
		50	50	21.70	22.93	22.61
	16QAM	100	0	21.65	22.82	22.47
		1	0	22.00	22.60	22.29
		1	49	21.86	22.81	22.66
		1	99	21.62	22.17	22.29
		50	0	20.99	21.64	21.43
		50	25	20.73	21.55	21.54
		50	50	20.88	21.98	21.57
		100	0	21.06	21.62	21.63

IC:LTE Band 42(3450-3600)

Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				42115	42840	43565
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3452.50	3525.00	3597.50
5	QPSK	1	0	22.88	22.59	22.69
		1	12	22.44	22.70	22.60
		1	24	22.41	22.86	22.29
		12	0	21.85	21.48	21.33
		12	6	21.66	21.73	21.68
		12	13	21.35	21.76	21.75
	16QAM	25	0	21.57	21.78	21.56
		1	0	21.40	21.57	21.20
		1	12	21.53	21.81	21.44
		1	24	21.01	21.15	21.60
		12	0	20.51	21.62	21.32
		12	6	20.62	21.45	21.41
		12	13	20.42	21.80	21.42
		25	0	20.55	21.43	21.23
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				42140	42840	43540
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3455.00	3525.00	3595.00
10	QPSK	1	0	22.76	22.32	22.46
		1	24	22.54	22.71	22.65
		1	49	22.23	22.62	22.37
		25	0	21.82	21.44	21.24
		25	12	21.48	21.61	21.56
		25	25	21.36	21.75	21.73
	16QAM	50	0	21.77	21.67	21.69
		1	0	21.51	21.70	21.32
		1	24	21.49	21.76	21.35
		1	49	21.05	20.95	21.69
		25	0	20.75	21.55	21.34

		25	12	20.68	21.42	21.64
		25	25	20.39	21.58	21.63
		50	0	20.55	21.55	21.29
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				42165	42840	43515
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3457.50	3525.00	3592.50
15	QPSK	1	0	22.68	22.50	22.68
		1	38	22.36	22.75	22.46
		1	74	22.31	22.64	22.57
		36	0	21.69	21.49	21.22
		36	18	21.45	21.62	21.62
		36	37	21.22	21.77	21.75
		75	0	21.72	21.69	21.46
	16QAM	1	0	21.47	21.61	21.06
		1	38	21.72	21.89	21.64
		1	74	21.21	20.96	21.47
		36	0	20.50	21.71	21.38
		36	18	20.61	21.41	21.48
		36	37	20.49	21.56	21.65
		75	0	20.50	21.67	21.45
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				42190	42840	43490
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
				3460.00	3525.00	3590.00
20	QPSK	1	0	22.77	22.45	22.60
		1	49	22.47	22.67	22.50
		1	99	22.33	22.71	22.44
		50	0	21.77	21.51	21.33
		50	25	21.58	21.67	21.69
		50	50	21.30	21.80	21.64
		100	0	21.62	21.64	21.55
	16QAM	1	0	21.49	21.69	21.20
		1	49	21.61	21.82	21.50
		1	99	21.10	21.04	21.61
		50	0	20.65	21.58	21.40
		50	25	20.62	21.52	21.54
		50	50	20.37	21.70	21.51
		100	0	20.63	21.53	21.34

7.2. PEAK TO AVERAGE RADIO

LIMITS

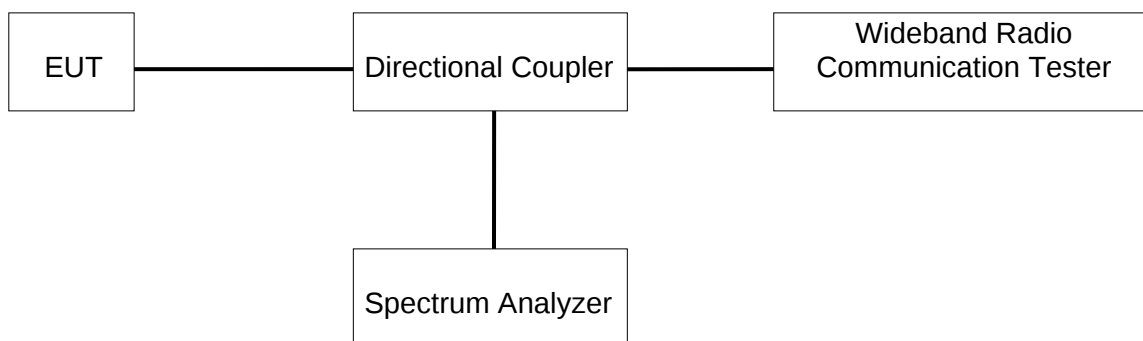
In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01;

The transmitter output was connected to a CMW500 Test Set and configured to operate at maximum power. The PAR was measured on the Spectrum Analyzer.

TEST SETUP



TEST ENVIRONMENT

Temperature	22.1°C	Relative Humidity	57.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

Middle was used to measure as the worst case. The results from all CCDF plots are passed with 13dB peak-to-average power ratio criteria.

Please refer to Appendix LTE.

7.3. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

RSS-130, RSS-132, RSS-133, RSS-139, RSS-192, RSS-195, RSS-199

LIMITS

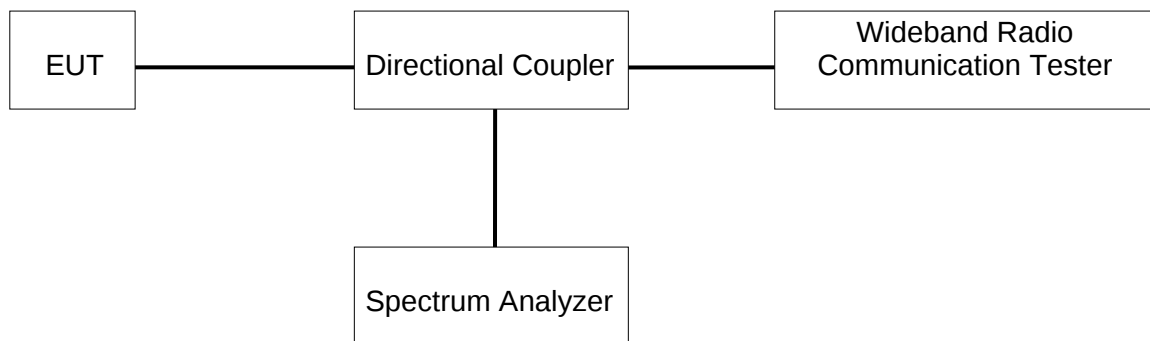
For reporting purposes only.

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The -26dB bandwidth was also measured and recorded.

(Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01)

TEST SETUP



TEST ENVIRONMENT

Temperature	22.1°C	Relative Humidity	57.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

There is no limit required and power is the same for low, middle and high channel, therefore, only middle channel was tested.

Please refer to Appendix LTE.

7.4. BAND EDGE EMISSIONS

RULE PART(S)

FCC §2.1051, §22.917, §24.238, §27.53

RSS-130, RSS-132, RSS-133, RSS-139, RSS-192, RSS-195, RSS-199

LIMITS

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

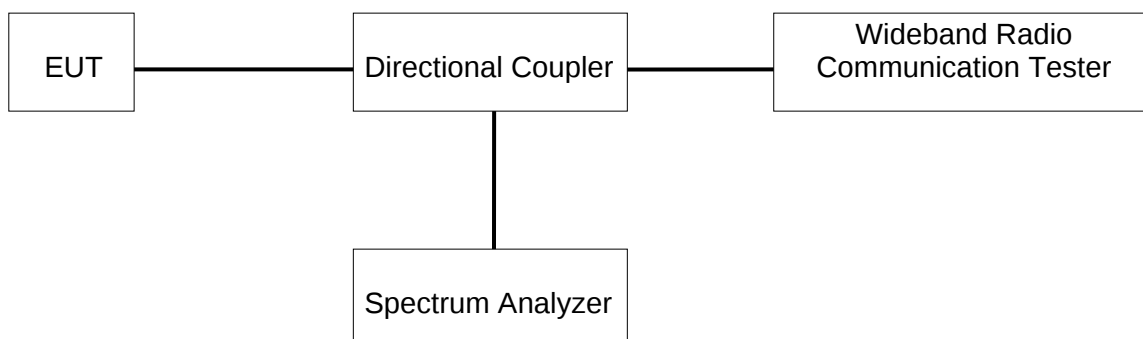
TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01

The transmitter output was connected to a CMW500 Test Set and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

- a) Set the RBW = 1 ~ 1.5 % of OBW (Typically limited to a minimum RBW of 1% of the OBW)
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span ≥ 1.5 times the OBW;
- d) Sweep time = Auto;
- e) Detector = RMS;
- f) Ensure that the number of measurement points $\geq 2 \times$ Span/RBW;
- g) Trace mode = Average (100);

TEST SETUP



TEST ENVIRONMENT

Temperature	22.1°C	Relative Humidity	57.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

Please refer to Appendix LTE.

7.5. SPURIOUS EMISSION AT ANTENNA TERMINAL

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238, §27.53

RSS-130, RSS-132, RSS-133, RSS-139, RSS-192, RSS-195, RSS-199

LIMITS

FCC: §22.901, §22.917, §24.238

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

TEST PROCEDURE

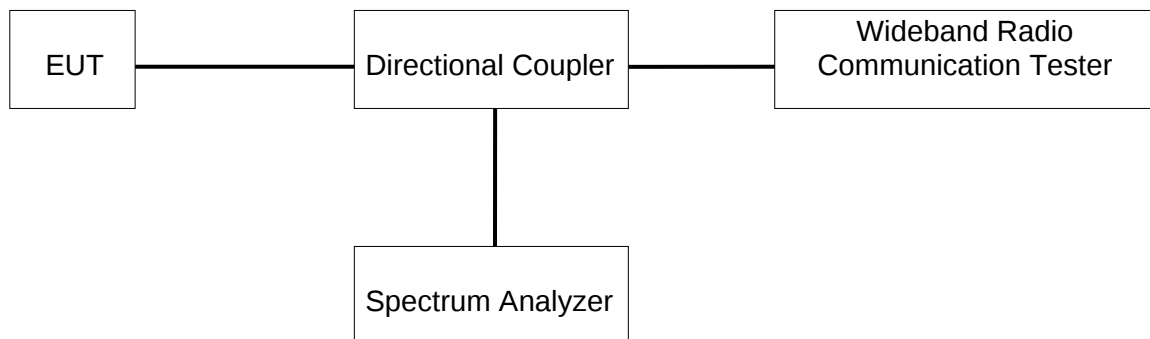
Per KDB 971168 D01 Power Meas License Digital Systems v03r01

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

- Set the RBW = 100 kHz for emission below 1GHz and 1MHz for emissions above 1GHz (Tests were performed 1 MHz [Worst case], to sweep 1 time for all frequency range)
- Set VBW $\geq 3 \times$ RBW;
- Set span ≥ 1.5 times the OBW;
- Sweep time = auto couple;
- Detector = rms;
- Ensure that the number of measurement points = Max (40001);
- Trace mode = average (LTE 5), Maxhold (LTE Band7);

Note: Please refer to section 5.4 for bandwidth and RB setting about LTE bands.

TEST SETUP



TEST ENVIRONMENT

Temperature	22.1°C	Relative Humidity	57.6%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

RESULTS

Please refer to Appendix LTE.

7.6. FREQUENCY STABILITY

Rule Part:

FCC: §2.1055, §22.355, §24.235, §27.54

RSS-130, RSS-132, RSS-133, RSS-139, RSS-192, RSS-195, RSS-199

LIMITS

§22.355 - The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

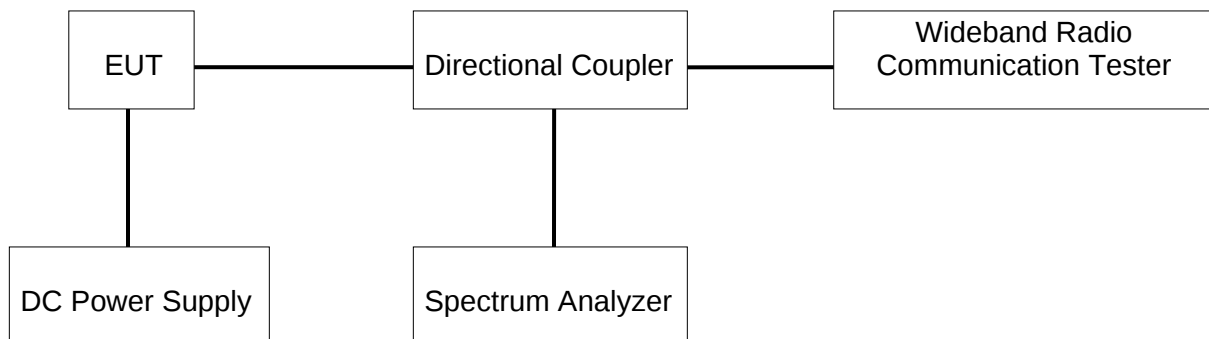
§24.235 and §27.54 - The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

TEST PROCEDURE

Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01.

	Normal Test Conditions	Extreme Test Conditions
Relative Humidity	45 % - 75 %	/
Atmospheric Pressure	100 kPa ~102 kPa	/
Temperature	T_N (Normal Temperature): 24.7 °C	T_L (Low Temperature): -30 °C
		T_H (High Temperature): 50 °C
Supply Voltage	V_N (Normal Voltage): DC 3.87 V	V_L (Low Voltage): DC 3.3V
		V_H (High Voltage): DC 4.5 V

TEST SETUP



RESULTS

The peak frequency error is recorded (worst-case).

Please refer to Appendix LTE.

8. RADIATED SPURIOUS EMISSIONS

LIMIT

FCC: §27.53 (m), ISSED: RSS-199 LTE (B7/38/41)

At least $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

FCC: §27.50 (c), ISSED: RSS-130 LTE (B17)

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

FCC: §27.53 (g) , ISSED: RSS-132 LTE (B12/71)

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

FCC: §27.53 , ISSED: RSS-130LTE (B13)

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

(f) Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

FCC: §24.238(a) ISSED: RSS-133 LTE (B2/25)

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

FCC: §90.691 LTE (B26)

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

FCC: §22.917(a) , ISSED: RSS-132 LTE (B5/26)

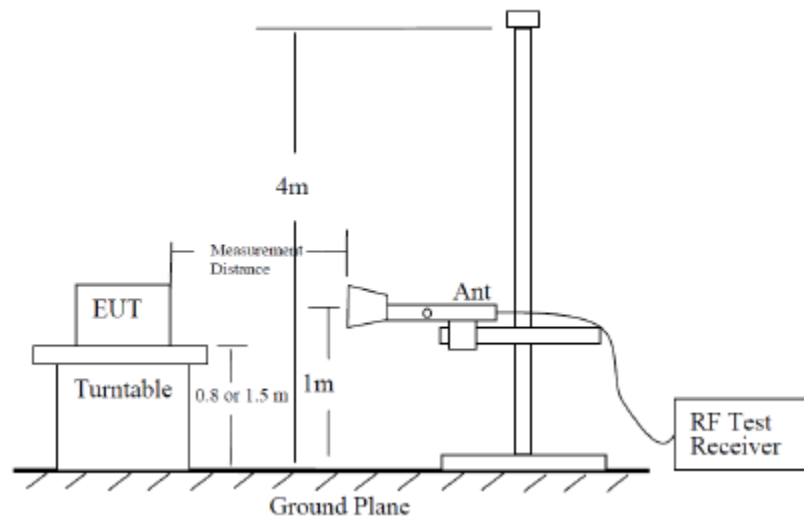
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

FCC: §27.53(h) , ISSED: RSS-139 LTE (B4/66)

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

TEST PROCEDURE

Following the test configuration shown below, radiated emissions measured directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in section 5.5.1 of ANSI C63.26-2015. The field strength measurement method by using a test site validated to the requirement of ANSI C63.4 is an alternative method to the substitution measurement.



Radiated Power Measurement Calculation According to ANSI C63.26-2015

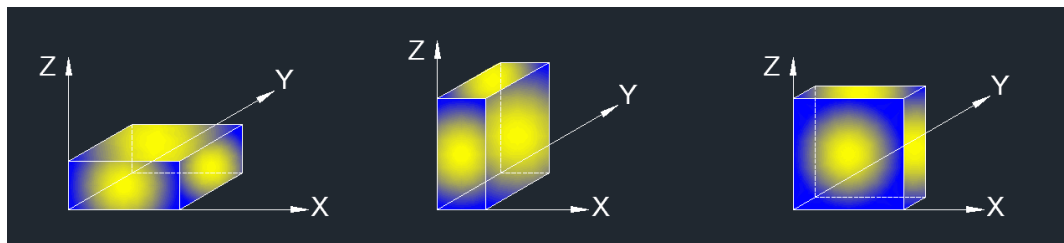
- $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
- $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
- $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8$, where D is the measurement distance (in the far field region) in m.
- $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$, where D is the measurement distance (in the far field region) in m.

So, from d)

The measuring distance is at 3m, then $20 \cdot \log(3) = 9.5424$

Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

X axis, Y axis, Z axis:



Note: The EUT was investigated in three orthogonal orientations X/Y/Z to determine the worst-case orientation. X orientation is finally determined the worst.

TEST ENVIRONMENT

Temperature	22.9°C	Relative Humidity	68.3%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.87 V

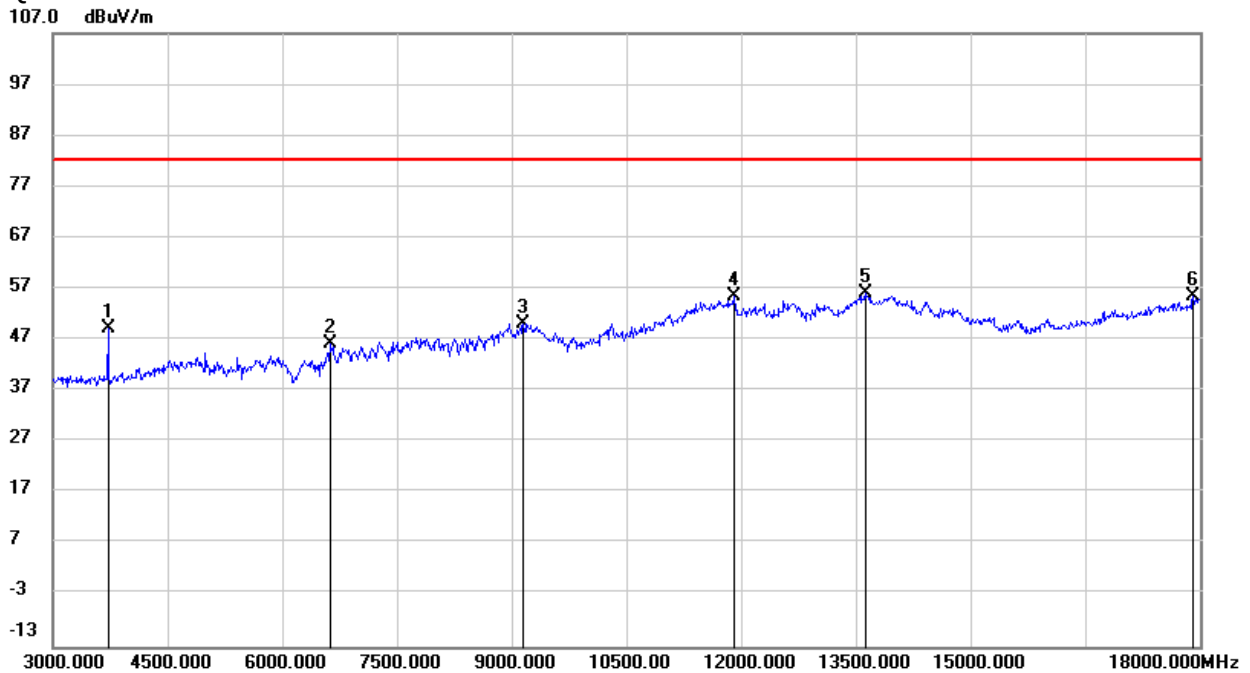
RESULTS

8.1.1. LTE Band 2

QPSK-20 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3720.000	51.33	-4.45	46.88	82.25	-35.37	peak
2	7635.000	40.52	6.33	46.85	82.25	-35.40	peak
3	8865.000	39.10	9.50	48.60	82.25	-33.65	peak
4	11535.000	37.02	16.70	53.72	82.25	-28.53	peak
5	13860.000	34.19	21.67	55.86	82.25	-26.39	peak
6	17985.000	30.20	25.60	55.80	82.25	-26.45	peak

QPSK-20 MHz-Low Channel-Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3720.000	53.67	-4.45	49.22	82.25	-33.03	peak
2	6630.000	41.27	4.86	46.13	82.25	-36.12	peak
3	9150.000	39.71	10.54	50.25	82.25	-32.00	peak
4	11910.000	37.76	17.72	55.48	82.25	-26.77	peak
5	13620.000	34.98	21.15	56.13	82.25	-26.12	peak
6	17910.000	30.45	25.16	55.61	82.25	-26.64	peak

QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
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1	3750.000	49.82	-4.38	45.44	82.25	-36.81	peak
2	7515.000	37.85	6.33	44.18	82.25	-38.07	peak
3	9360.000	34.06	10.64	44.70	82.25	-37.55	peak
4	11700.000	33.74	17.14	50.88	82.25	-31.37	peak
5	13875.000	30.76	21.70	52.46	82.25	-29.79	peak
6	18000.000	27.77	25.69	53.46	82.25	-28.79	peak

QPSK-20 MHz- Mid Channel-Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3750.000	51.72	-4.38	47.34	82.25	-34.91	peak
2	7515.000	39.67	6.33	46.00	82.25	-36.25	peak
3	9270.000	37.52	10.59	48.11	82.25	-34.14	peak
4	11850.000	35.24	17.56	52.80	82.25	-29.45	peak
5	13935.000	32.50	21.82	54.32	82.25	-27.93	peak
6	17955.000	28.34	25.42	53.76	82.25	-28.49	peak

QPSK-20 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3795.000	53.49	-4.28	49.21	82.25	-33.04	peak
2	7605.000	41.57	6.32	47.89	82.25	-34.36	peak
3	9135.000	38.71	10.55	49.26	82.25	-32.99	peak
4	11835.000	35.67	17.51	53.18	82.25	-29.07	peak
5	13860.000	32.64	21.67	54.31	82.25	-27.94	peak
6	17970.000	28.41	25.51	53.92	82.25	-28.33	peak

QPSK-20 MHz- High Channel-Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3795.000	50.93	-4.28	46.65	82.25	-35.60	peak
2	7050.000	37.89	6.66	44.55	82.25	-37.70	peak
3	9135.000	36.68	10.55	47.23	82.25	-35.02	peak
4	11550.000	33.61	16.74	50.35	82.25	-31.90	peak
5	13560.000	30.71	21.03	51.74	82.25	-30.51	peak
6	17970.000	27.08	25.51	52.59	82.25	-29.66	peak

Note: Limit= -13dBm+95.25=82.25 dBuV/m

8.1.2. LTE Band 4

QPSK-20 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6660.000	39.04	5.02	44.06	82.25	-38.19	peak
2	8025.000	39.85	6.34	46.19	82.25	-36.06	peak
3	9225.000	38.45	10.58	49.03	82.25	-33.22	peak
4	11415.000	36.71	16.29	53.00	82.25	-29.25	peak
5	13935.000	33.63	21.82	55.45	82.25	-26.80	peak
6	17985.000	29.02	25.60	54.62	82.25	-27.63	peak

QPSK-20 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	47.71	0.43	48.14	82.25	-34.11	peak
2	7035.000	43.62	6.67	50.29	82.25	-31.96	peak
3	9900.000	38.50	11.75	50.25	82.25	-32.00	peak
4	11610.000	39.08	16.90	55.98	82.25	-26.27	peak
5	13935.000	33.49	21.82	55.31	82.25	-26.94	peak
6	17985.000	29.89	25.60	55.49	82.25	-26.76	peak

QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5085.000	40.76	0.52	41.28	82.25	-40.97	peak
2	7170.000	37.80	6.56	44.36	82.25	-37.89	peak
3	9240.000	37.47	10.58	48.05	82.25	-34.20	peak
4	12690.000	32.73	18.02	50.75	82.25	-31.50	peak
5	13560.000	30.88	21.03	51.91	82.25	-30.34	peak
6	17985.000	26.35	25.60	51.95	82.25	-30.30	peak

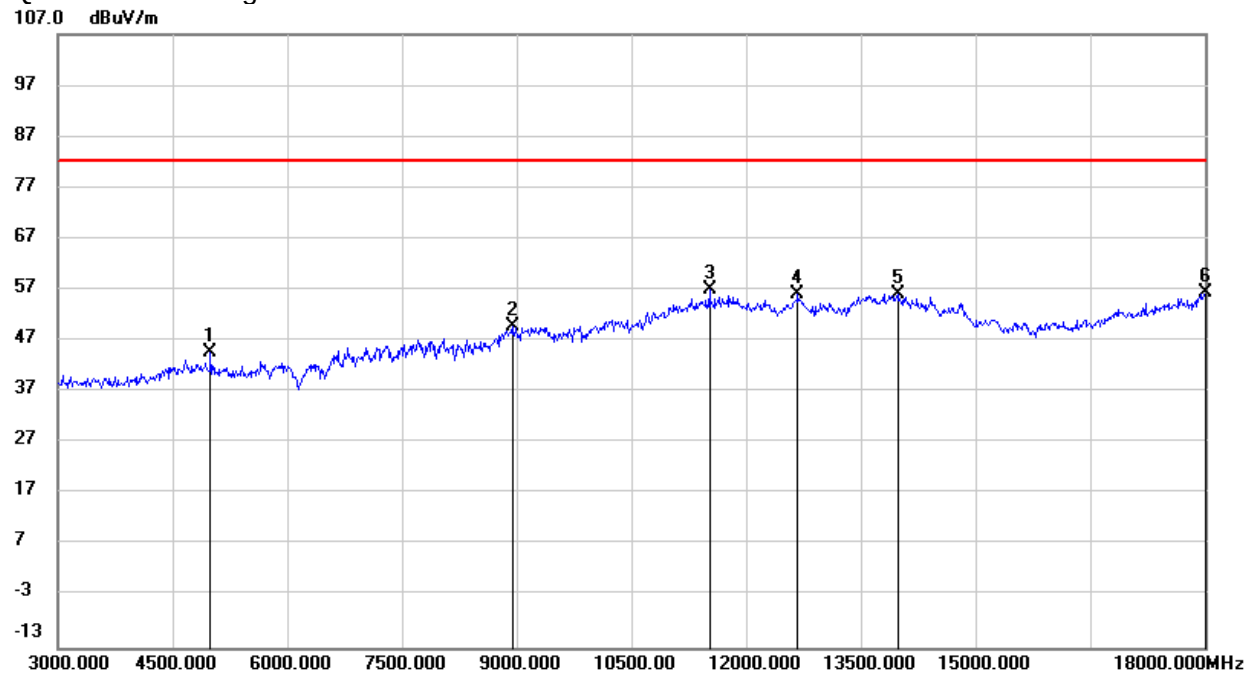
QPSK-20 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	43.06	0.43	43.49	82.25	-38.76	peak
2	6630.000	40.70	4.86	45.56	82.25	-36.69	peak
3	9195.000	39.10	10.56	49.66	82.25	-32.59	peak
4	11715.000	37.53	17.19	54.72	82.25	-27.53	peak
5	13920.000	34.35	21.79	56.14	82.25	-26.11	peak
6	17955.000	29.03	25.42	54.45	82.25	-27.80	peak

QPSK-20 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4635.000	44.03	-0.95	43.08	82.25	-39.17	peak
2	7890.000	41.50	6.31	47.81	82.25	-34.44	peak
3	9075.000	39.96	10.52	50.48	82.25	-31.77	peak
4	11895.000	36.04	17.68	53.72	82.25	-28.53	peak
5	13440.000	34.46	20.64	55.10	82.25	-27.15	peak
6	17610.000	28.87	23.38	52.25	82.25	-30.00	peak

QPSK-20 MHz-High Channel- Vertical



Note: Limit= -13dBm+95.25=82.25 dBuV/m

8.1.3. LTE Band 5

QPSK-10 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1657.000	60.89	-12.19	48.70	82.25	-33.55	peak
2	3313.000	46.31	-6.27	40.04	82.25	-42.21	peak
3	4555.000	44.67	-1.92	42.75	82.25	-39.50	peak
4	4996.000	43.26	-0.17	43.09	82.25	-39.16	peak
5	7192.000	39.71	6.00	45.71	82.25	-36.54	peak
6	9361.000	37.76	9.89	47.65	82.25	-34.60	peak

QPSK-20 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1657.000	58.85	-12.19	46.66	82.25	-35.59	peak
2	3313.000	49.56	-6.27	43.29	82.25	-38.96	peak
3	4591.000	44.29	-1.78	42.51	82.25	-39.74	peak
4	6661.000	40.77	4.52	45.29	82.25	-36.96	peak
5	7192.000	39.84	6.00	45.84	82.25	-36.41	peak
6	9190.000	37.40	9.81	47.21	82.25	-35.04	peak

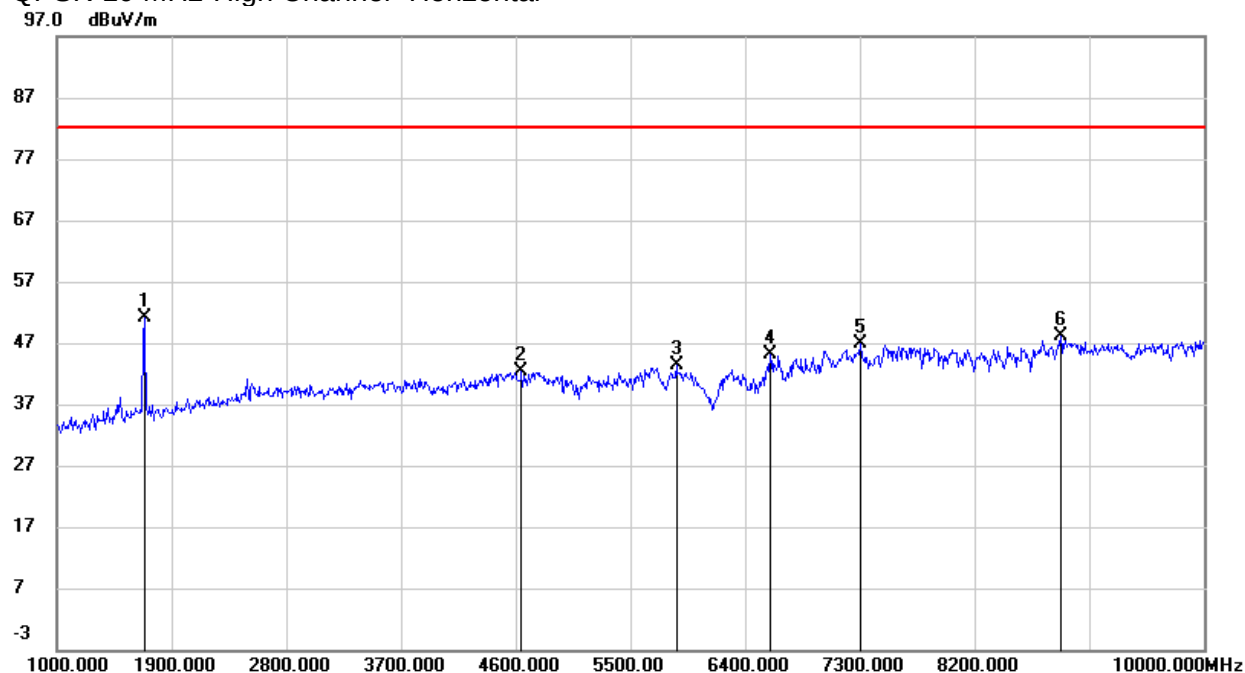
QPSK-10 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1666.000	60.17	-12.16	48.01	82.25	-34.24	peak
2	4519.000	44.91	-2.06	42.85	82.25	-39.40	peak
3	4942.000	43.62	-0.38	43.24	82.25	-39.01	peak
4	6598.000	40.70	4.21	44.91	82.25	-37.34	peak
5	7282.000	39.92	5.91	45.83	82.25	-36.42	peak
6	9181.000	38.14	9.81	47.95	82.25	-34.30	peak

QPSK-10 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1666.000	57.58	-12.16	45.42	82.25	-36.83	peak
2	2494.000	50.94	-8.52	42.42	82.25	-39.83	peak
3	4834.000	43.83	-0.81	43.02	82.25	-39.23	peak
4	6661.000	41.16	4.52	45.68	82.25	-36.57	peak
5	7633.000	40.72	5.68	46.40	82.25	-35.85	peak
6	9253.000	38.64	9.83	48.47	82.25	-33.78	peak

QPSK-10 MHz-High Channel- Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1684.000	63.33	-12.10	51.23	82.25	-31.02	peak
2	4645.000	43.98	-1.57	42.41	82.25	-39.84	peak
3	5860.000	41.93	1.45	43.38	82.25	-38.87	peak
4	6598.000	40.81	4.21	45.02	82.25	-37.23	peak
5	7309.000	41.11	5.88	46.99	82.25	-35.26	peak
6	8875.000	39.33	8.86	48.19	82.25	-34.06	peak

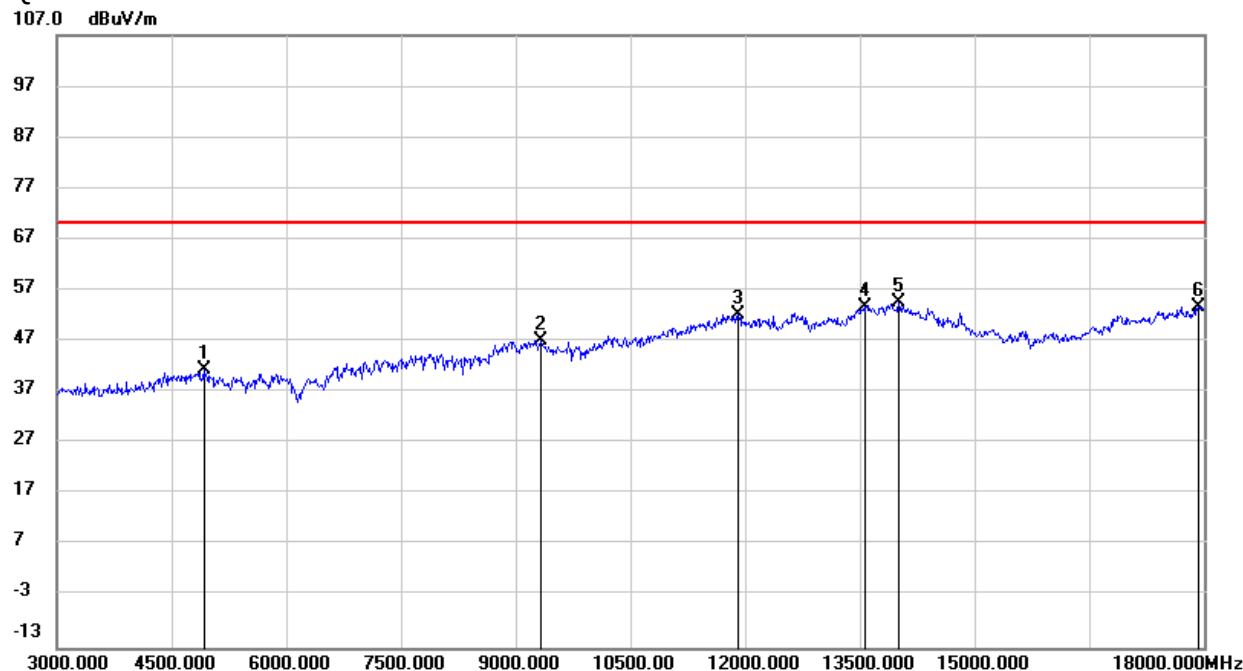
QPSK-10 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1684.000	59.57	-12.10	47.47	82.25	-34.78	peak
2	2494.000	50.30	-8.52	41.78	82.25	-40.47	peak
3	3376.000	46.87	-6.13	40.74	82.25	-41.51	peak
4	5050.000	43.29	-0.09	43.20	82.25	-39.05	peak
5	7723.000	38.82	5.67	44.49	82.25	-37.76	peak
6	9190.000	37.25	9.81	47.06	82.25	-35.19	peak

Note: Limit= -13dBm+95.25=82.25 dBuV/m

8.1.4. LTE Band 7

QPSK-20 MHz-Low Channel- Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4920.000	41.31	0.14	41.45	70.25	-28.80	peak
2	9330.000	36.53	10.62	47.15	70.25	-23.10	peak
3	11910.000	34.50	17.72	52.22	70.25	-18.03	peak
4	13575.000	32.67	21.06	53.73	70.25	-16.52	peak
5	14010.000	32.62	21.93	54.55	70.25	-15.70	peak
6	17925.000	28.41	25.25	53.66	70.25	-16.59	peak

QPSK-20 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	41.61	0.43	42.04	70.25	-28.21	peak
2	7815.000	38.05	6.32	44.37	70.25	-25.88	peak
3	9240.000	36.21	10.58	46.79	70.25	-23.46	peak
4	11730.000	34.94	17.22	52.16	70.25	-18.09	peak
5	13920.000	32.65	21.79	54.44	70.25	-15.81	peak
6	17970.000	27.87	25.51	53.38	70.25	-16.87	peak

QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4845.000	38.40	-0.15	38.25	70.25	-32.00	peak
2	6555.000	35.54	4.49	40.03	70.25	-30.22	peak
3	9180.000	33.71	10.56	44.27	70.25	-25.98	peak
4	11760.000	29.72	17.31	47.03	70.25	-23.22	peak
5	13680.000	27.90	21.29	49.19	70.25	-21.06	peak
6	17970.000	24.30	25.51	49.81	70.25	-20.44	peak

QPSK-20 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	41.51	0.43	41.94	70.25	-28.31	peak
2	9255.000	35.00	10.59	45.59	70.25	-24.66	peak
3	11385.000	32.35	16.17	48.52	70.25	-21.73	peak
4	12645.000	32.61	17.92	50.53	70.25	-19.72	peak
5	13410.000	30.31	20.50	50.81	70.25	-19.44	peak
6	18000.000	24.99	25.69	50.68	70.25	-19.57	peak

QPSK-20 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4935.000	40.67	0.20	40.87	70.25	-29.38	peak
2	6570.000	38.65	4.57	43.22	70.25	-27.03	peak
3	8850.000	38.10	9.39	47.49	70.25	-22.76	peak
4	11835.000	32.40	17.51	49.91	70.25	-20.34	peak
5	13620.000	31.20	21.15	52.35	70.25	-17.90	peak
6	17970.000	26.76	25.51	52.27	70.25	-17.98	peak

QPSK-20 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	40.89	0.43	41.32	70.25	-28.93	peak
2	7725.000	36.68	6.32	43.00	70.25	-27.25	peak
3	9330.000	36.03	10.62	46.65	70.25	-23.60	peak
4	11520.000	33.90	16.65	50.55	70.25	-19.70	peak
5	13875.000	28.94	21.70	50.64	70.25	-19.61	peak
6	17670.000	27.20	23.73	50.93	70.25	-19.32	peak

Note: Limit= -25dBm+95.25=70.25 dBuV/m

8.1.5. LTE Band 12

QPSK-10 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1414.000	59.04	-13.11	45.93	82.25	-36.32	peak
2	2107.000	54.15	-10.51	43.64	82.25	-38.61	peak
3	4438.000	45.87	-2.42	43.45	82.25	-38.80	peak
4	6625.000	40.47	4.35	44.82	82.25	-37.43	peak
5	8965.000	38.13	9.49	47.62	82.25	-34.63	peak
6	9190.000	38.21	9.81	48.02	82.25	-34.23	peak

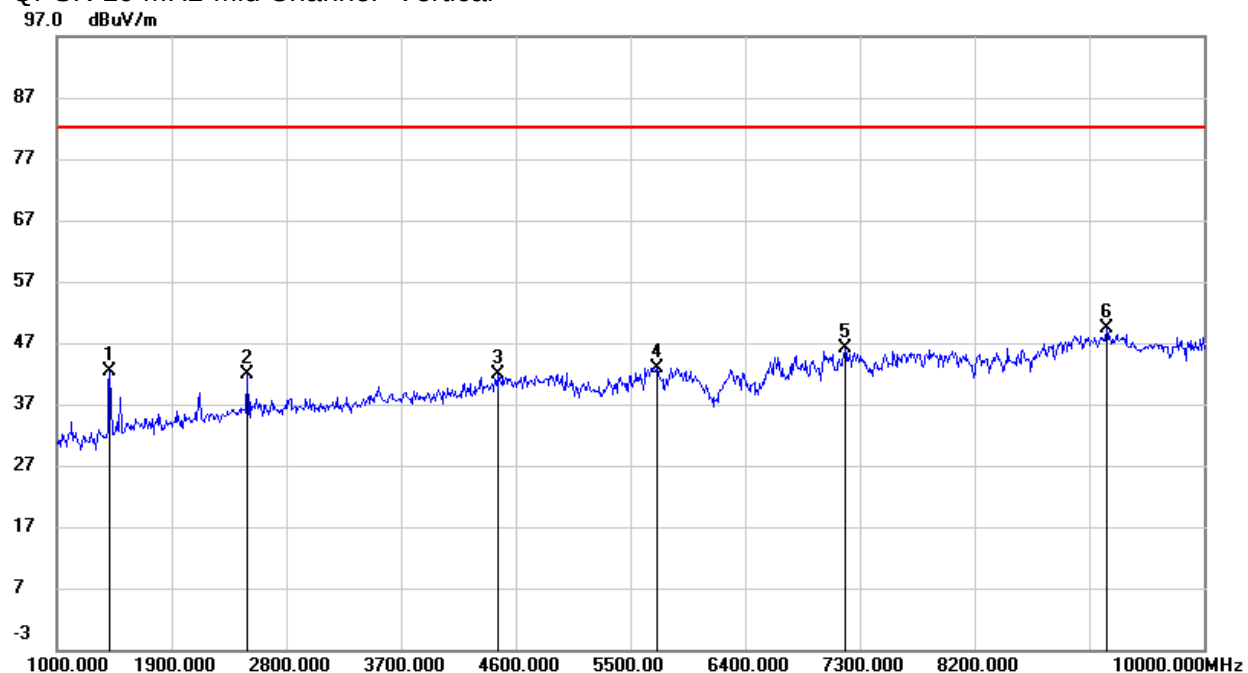
QPSK-10 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1405.000	57.76	-13.15	44.61	82.25	-37.64	peak
2	2494.000	49.11	-8.52	40.59	82.25	-41.66	peak
3	4825.000	44.03	-0.84	43.19	82.25	-39.06	peak
4	5635.000	42.77	0.81	43.58	82.25	-38.67	peak
5	7183.000	39.56	6.01	45.57	82.25	-36.68	peak
6	9181.000	37.94	9.81	47.75	82.25	-34.50	peak

QPSK-10 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1414.000	61.25	-13.11	48.14	82.25	-34.11	peak
2	2116.000	54.44	-10.47	43.97	82.25	-38.28	peak
3	4843.000	44.01	-0.78	43.23	82.25	-39.02	peak
4	7021.000	40.69	6.19	46.88	82.25	-35.37	peak
5	8011.000	40.87	5.67	46.54	82.25	-35.71	peak
6	8803.000	39.12	8.35	47.47	82.25	-34.78	peak

QPSK-10 MHz-Mid Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1414.000	55.51	-13.11	42.40	82.25	-39.85	peak
2	2494.000	50.48	-8.52	41.96	82.25	-40.29	peak
3	4465.000	44.30	-2.30	42.00	82.25	-40.25	peak
4	5707.000	41.98	1.01	42.99	82.25	-39.26	peak
5	7183.000	40.16	6.01	46.17	82.25	-36.08	peak
6	9235.000	39.47	9.84	49.31	82.25	-32.94	peak

QPSK-10 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1414.000	59.57	-13.11	46.46	82.25	-35.79	peak
2	2134.000	52.99	-10.37	42.62	82.25	-39.63	peak
3	4690.000	44.08	-1.38	42.70	82.25	-39.55	peak
4	5419.000	43.85	0.33	44.18	82.25	-38.07	peak
5	7183.000	40.93	6.01	46.94	82.25	-35.31	peak
6	9145.000	39.15	9.80	48.95	82.25	-33.30	peak

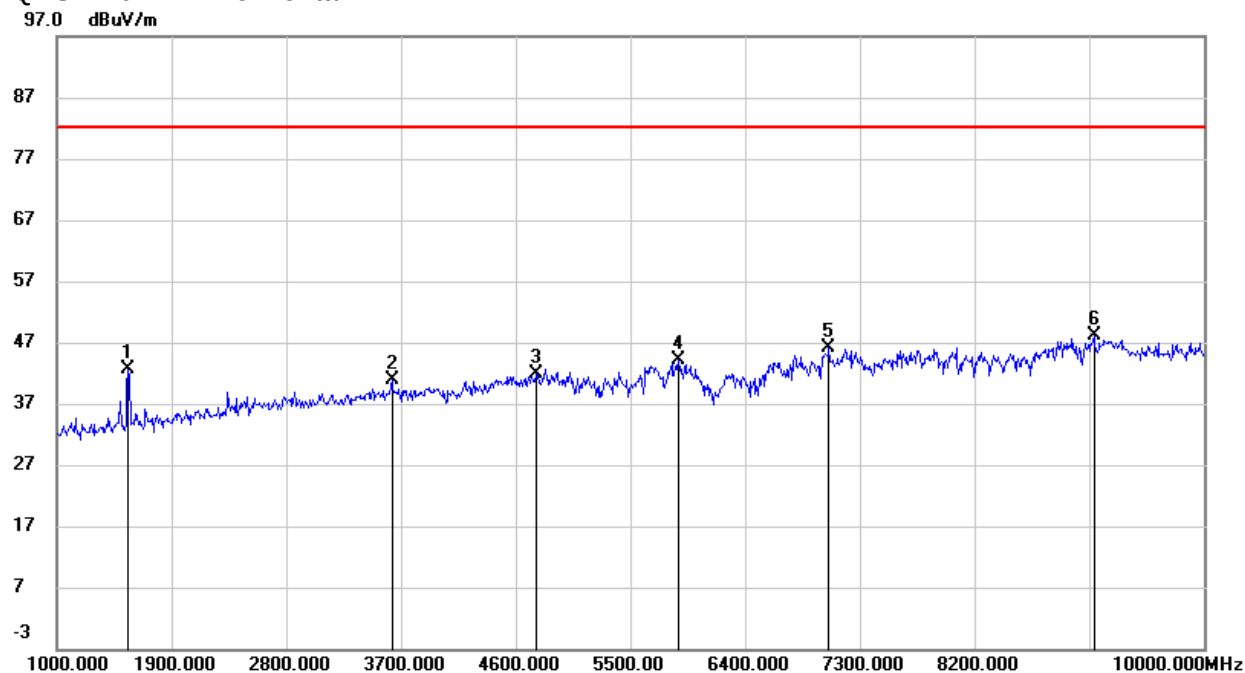
QPSK-10 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1414.000	54.55	-13.11	41.44	82.25	-40.81	peak
2	2494.000	49.37	-8.52	40.85	82.25	-41.40	peak
3	4933.000	42.60	-0.42	42.18	82.25	-40.07	peak
4	7273.000	39.20	5.92	45.12	82.25	-37.13	peak
5	7858.000	41.62	5.65	47.27	82.25	-34.98	peak
6	9262.000	37.67	9.84	47.51	82.25	-34.74	peak

Note: Limit= -13dBm+95.25=82.25 dBuV/m

8.1.6. LTE Band 13

QPSK-10 MHz-Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1558.000	55.03	-12.52	42.51	55.25	-12.74	peak
2	3628.000	46.30	-5.50	40.80	55.25	-14.45	peak
3	4762.000	42.91	-1.10	41.81	55.25	-13.44	peak
4	5878.000	42.62	1.51	44.13	55.25	-11.12	peak
5	7057.000	39.90	6.14	46.04	55.25	-9.21	peak
6	9136.000	38.22	9.80	48.02	55.25	-7.23	peak

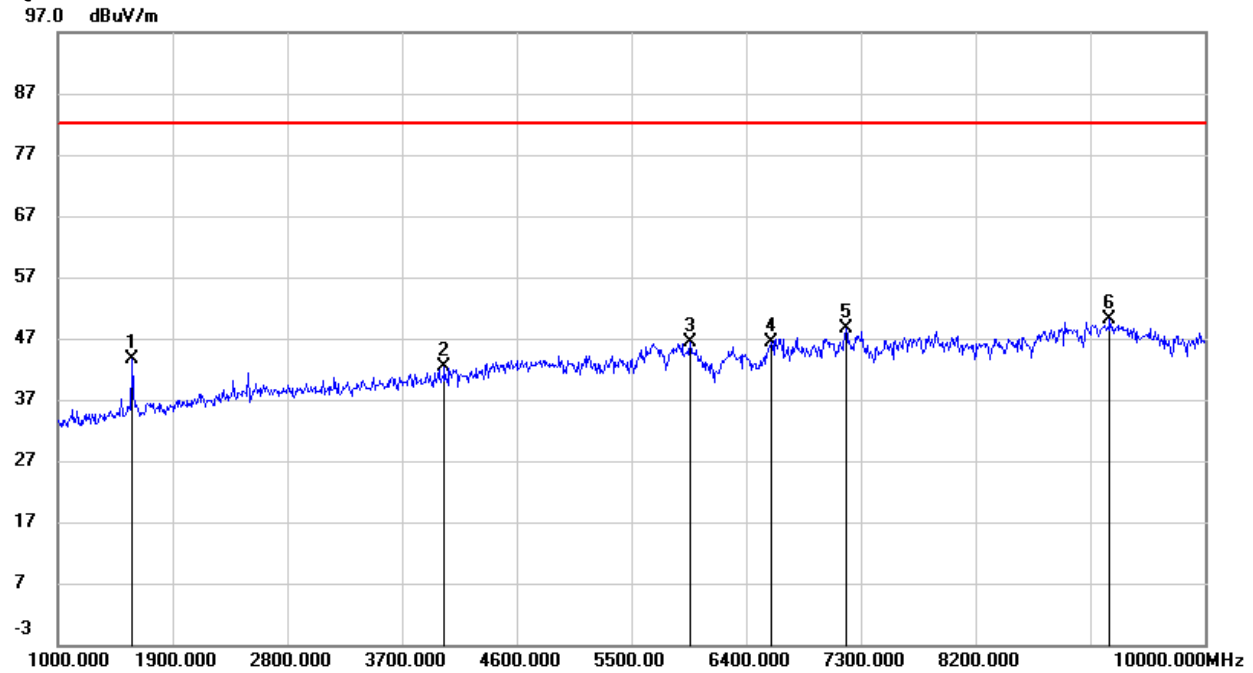
QPSK-10 MHz-Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1558.000	53.68	-12.52	41.16	55.25	-14.09	peak
2	2494.000	48.90	-8.52	40.38	55.25	-14.87	peak
3	4888.000	42.57	-0.60	41.97	55.25	-13.28	peak
4	5887.000	41.23	1.53	42.76	55.25	-12.49	peak
5	7174.000	39.71	6.02	45.73	55.25	-9.52	peak
6	9343.000	37.57	9.88	47.45	55.25	-7.80	peak

Note: Limit= -40dBm+95.25=55.25 dBuV/m

8.1.7. LTE Band 14

QPSK-10 MHz – Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1585.000	56.05	-12.43	43.62	55.25	-11.63	peak
2	4033.000	46.58	-4.32	42.26	55.25	-12.99	peak
3	5959.000	44.61	1.74	46.35	55.25	-8.90	peak
4	6598.000	42.21	4.21	46.42	55.25	-8.83	peak
5	7183.000	42.61	6.01	48.62	55.25	-6.63	peak
6	9253.000	40.19	9.83	50.02	55.25	-5.23	peak

QPSK-10 MHz I- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1585.000	55.63	-12.43	43.20	55.25	-12.05	peak
2	2494.000	49.81	-8.52	41.29	55.25	-13.96	peak
3	4780.000	44.66	-1.02	43.64	55.25	-11.61	peak
4	5869.000	43.55	1.48	45.03	55.25	-10.22	peak
5	7687.000	42.01	5.67	47.68	55.25	-7.57	peak
6	9145.000	39.51	9.80	49.31	55.25	-5.94	peak

Note: Limit= -40dBm+95.25=55.25 dBuV/m

8.1.8. LTE Band 17

QPSK-10 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1414.000	59.09	-13.11	45.98	82.25	-36.27	peak
2	2125.000	55.16	-10.42	44.74	82.25	-37.51	peak
3	4771.000	43.65	-1.06	42.59	82.25	-39.66	peak
4	6796.000	41.90	5.19	47.09	82.25	-35.16	peak
5	8227.000	40.65	5.91	46.56	82.25	-35.69	peak
6	9316.000	38.27	9.87	48.14	82.25	-34.11	peak

QPSK-10 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1414.000	55.60	-13.11	42.49	82.25	-39.76	peak
2	2494.000	50.70	-8.52	42.18	82.25	-40.07	peak
3	3529.000	47.37	-5.77	41.60	82.25	-40.65	peak
4	4843.000	44.15	-0.78	43.37	82.25	-38.88	peak
5	7183.000	40.47	6.01	46.48	82.25	-35.77	peak
6	8947.000	38.97	9.37	48.34	82.25	-33.91	peak

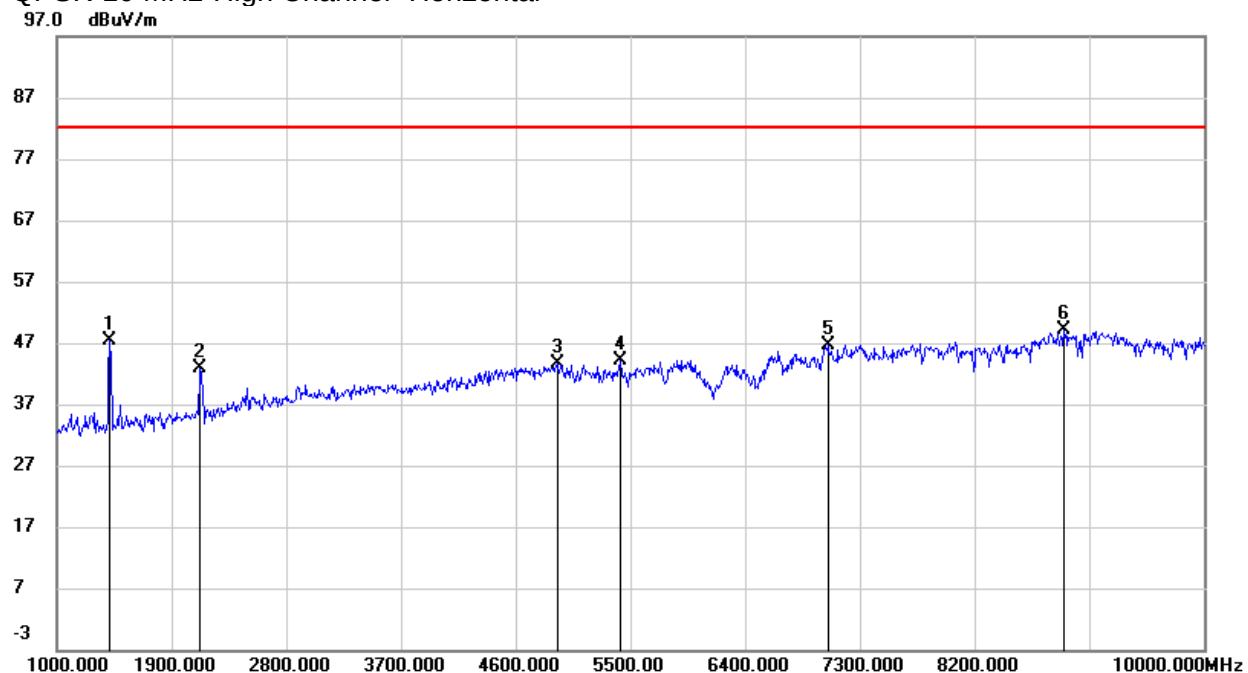
QPSK-10 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1414.000	60.26	-13.11	47.15	82.25	-35.10	peak
2	2116.000	53.89	-10.47	43.42	82.25	-38.83	peak
3	4996.000	43.31	-0.17	43.14	82.25	-39.11	peak
4	6634.000	40.75	4.38	45.13	82.25	-37.12	peak
5	7282.000	39.80	5.91	45.71	82.25	-36.54	peak
6	8992.000	38.85	9.68	48.53	82.25	-33.72	peak

QPSK-10 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1414.000	55.88	-13.11	42.77	82.25	-39.48	peak
2	2494.000	49.94	-8.52	41.42	82.25	-40.83	peak
3	5662.000	43.03	0.88	43.91	82.25	-38.34	peak
4	6643.000	39.50	4.44	43.94	82.25	-38.31	peak
5	7696.000	40.55	5.68	46.23	82.25	-36.02	peak
6	9262.000	38.10	9.84	47.94	82.25	-34.31	peak

QPSK-10 MHz-High Channel- Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1414.000	60.37	-13.11	47.26	82.25	-34.99	peak
2	2125.000	53.34	-10.42	42.92	82.25	-39.33	peak
3	4924.000	43.98	-0.45	43.53	82.25	-38.72	peak
4	5419.000	43.89	0.33	44.22	82.25	-38.03	peak
5	7048.000	40.52	6.16	46.68	82.25	-35.57	peak
6	8902.000	40.07	9.05	49.12	82.25	-33.13	peak

QPSK-10 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1414.000	56.43	-13.11	43.32	82.25	-38.93	peak
2	2494.000	50.67	-8.52	42.15	82.25	-40.10	peak
3	4888.000	43.67	-0.60	43.07	82.25	-39.18	peak
4	7309.000	40.27	5.88	46.15	82.25	-36.10	peak
5	8011.000	41.74	5.67	47.41	82.25	-34.84	peak
6	9352.000	38.49	9.88	48.37	82.25	-33.88	peak

Note: Limit= -13dBm+95.25=82.25 dBuV/m

8.1.9. LTE Band 25

QPSK-20 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3735.000	53.70	-4.41	49.29	82.25	-32.96	peak
2	7470.000	43.86	6.34	50.20	82.25	-32.05	peak
3	8940.000	39.00	10.04	49.04	82.25	-33.21	peak
4	11880.000	34.18	17.63	51.81	82.25	-30.44	peak
5	13845.000	32.08	21.62	53.70	82.25	-28.55	peak
6	17700.000	29.63	23.91	53.54	82.25	-28.71	peak

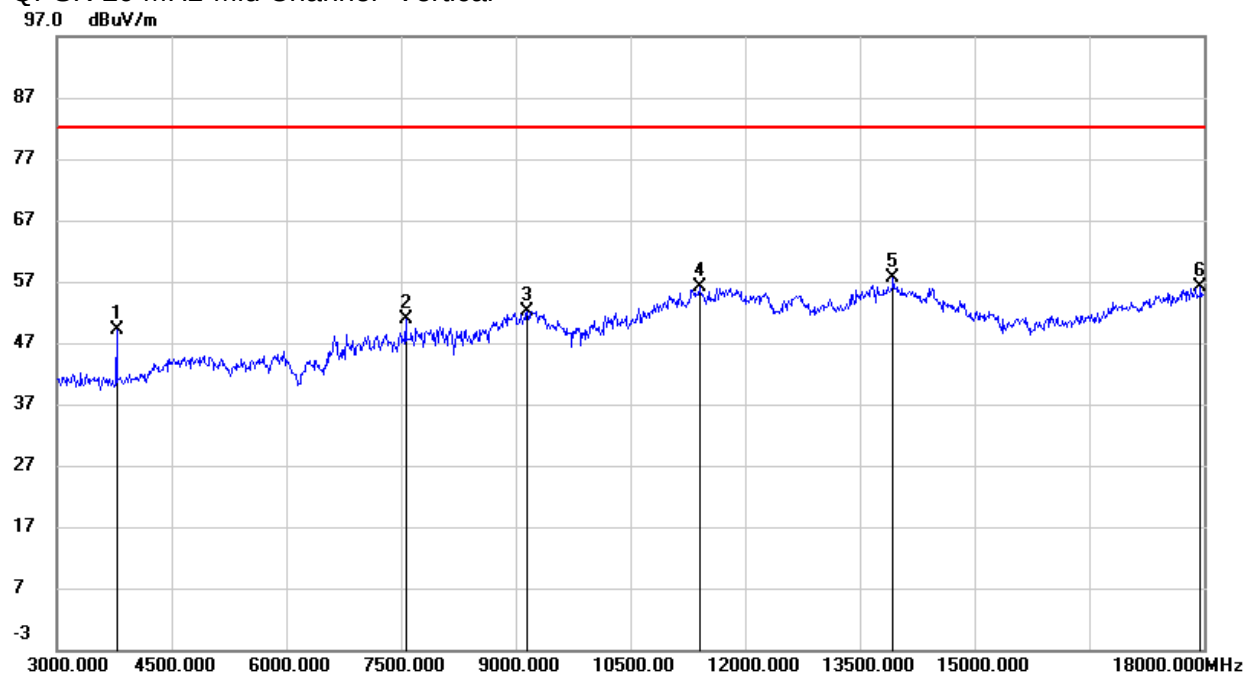
QPSK-20 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3735.000	55.01	-4.41	50.60	82.25	-31.65	peak
2	7470.000	41.94	6.34	48.28	82.25	-33.97	peak
3	9240.000	40.87	10.58	51.45	82.25	-30.80	peak
4	11760.000	38.84	17.31	56.15	82.25	-26.10	peak
5	14025.000	33.72	21.86	55.58	82.25	-26.67	peak
6	17880.000	30.90	24.98	55.88	82.25	-26.37	peak

QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3780.000	50.70	-4.31	46.39	82.25	-35.86	peak
2	7560.000	43.12	6.33	49.45	82.25	-32.80	peak
3	8970.000	38.97	10.26	49.23	82.25	-33.02	peak
4	11520.000	35.26	16.65	51.91	82.25	-30.34	peak
5	13605.000	32.93	21.12	54.05	82.25	-28.20	peak
6	17985.000	27.69	25.60	53.29	82.25	-28.96	peak

QPSK-20 MHz-Mid Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3780.000	53.44	-4.31	49.13	82.25	-33.12	peak
2	7560.000	44.67	6.33	51.00	82.25	-31.25	peak
3	9150.000	41.69	10.54	52.23	82.25	-30.02	peak
4	11400.000	39.95	16.23	56.18	82.25	-26.07	peak
5	13935.000	35.87	21.82	57.69	82.25	-24.56	peak
6	17955.000	30.78	25.42	56.20	82.25	-26.05	peak

QPSK-20 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7050.000	38.92	6.66	45.58	82.25	-36.67	peak
2	9300.000	40.02	10.61	50.63	82.25	-31.62	peak
3	11025.000	38.33	14.85	53.18	82.25	-29.07	peak
4	12660.000	37.05	17.95	55.00	82.25	-27.25	peak
5	13560.000	35.13	21.03	56.16	82.25	-26.09	peak
6	17925.000	30.97	25.25	56.22	82.25	-26.03	peak

QPSK-20 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.000	42.74	1.41	44.15	82.25	-38.10	peak
2	9240.000	40.12	10.58	50.70	82.25	-31.55	peak
3	11655.000	38.37	17.01	55.38	82.25	-26.87	peak
4	12300.000	37.77	17.74	55.51	82.25	-26.74	peak
5	13665.000	35.34	21.25	56.59	82.25	-25.66	peak
6	17955.000	30.80	25.42	56.22	82.25	-26.03	peak

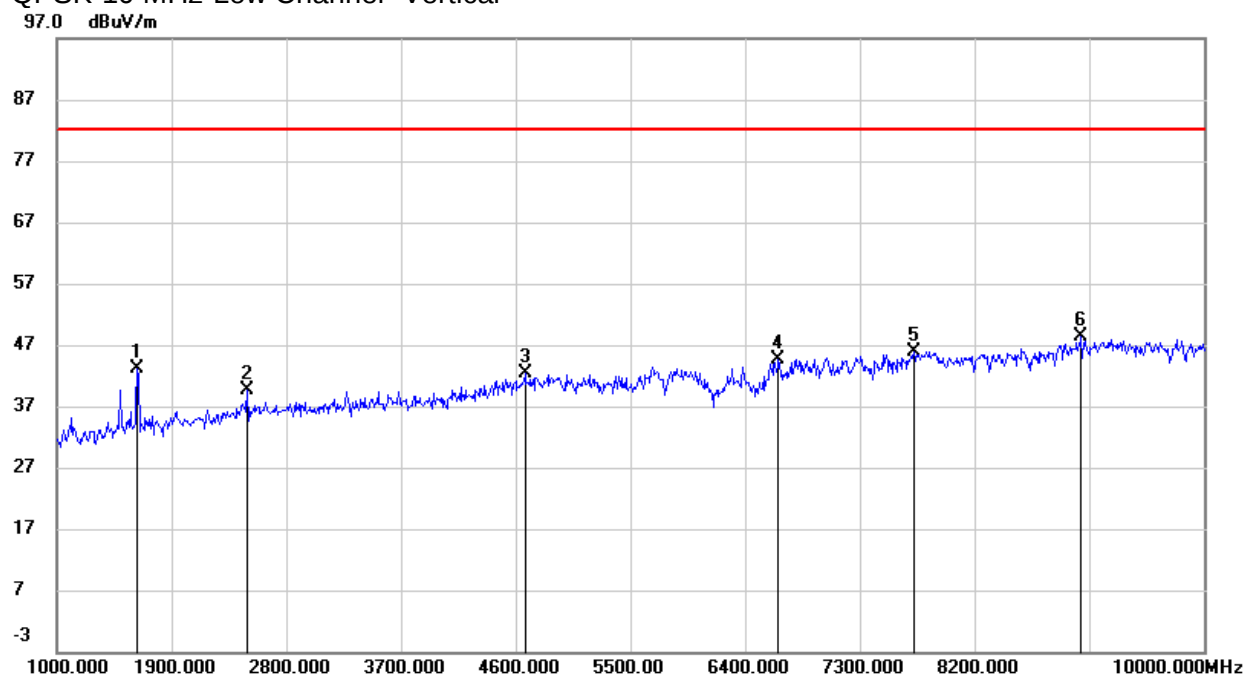
Note: Limit= -13dBm+95.25=82.25 dBuV/m

8.1.10. LTE Band 26 (814 ~ 824 MHz)

QPSK-10 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1630.000	57.83	-12.28	45.55	82.25	-36.70	peak
2	4717.000	44.70	-1.28	43.42	82.25	-38.83	peak
3	5698.000	43.54	0.99	44.53	82.25	-37.72	peak
4	7300.000	40.24	5.89	46.13	82.25	-36.12	peak
5	8056.000	40.53	5.72	46.25	82.25	-36.00	peak
6	8947.000	38.51	9.37	47.88	82.25	-34.37	peak

QPSK-10 MHz-Low Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1630.000	55.36	-12.28	43.08	82.25	-39.17	peak
2	2494.000	48.27	-8.52	39.75	82.25	-42.50	peak
3	4672.000	43.81	-1.46	42.35	82.25	-39.90	peak
4	6661.000	40.11	4.52	44.63	82.25	-37.62	peak
5	7723.000	40.14	5.67	45.81	82.25	-36.44	peak
6	9037.000	38.50	9.76	48.26	82.25	-33.99	peak

Note: Limit= -13dBm+95.25=82.25 dBuV/m

8.1.11. LTE Band 26 (824 ~ 849 MHz)

QPSK-15 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1657.000	60.59	-12.19	48.40	82.25	-33.85	peak
2	2494.000	49.13	-8.52	40.61	82.25	-41.64	peak
3	4933.000	44.71	-0.42	44.29	82.25	-37.96	peak
4	6841.000	41.17	5.40	46.57	82.25	-35.68	peak
5	7903.000	41.68	5.66	47.34	82.25	-34.91	peak
6	9181.000	40.41	9.81	50.22	82.25	-32.03	peak

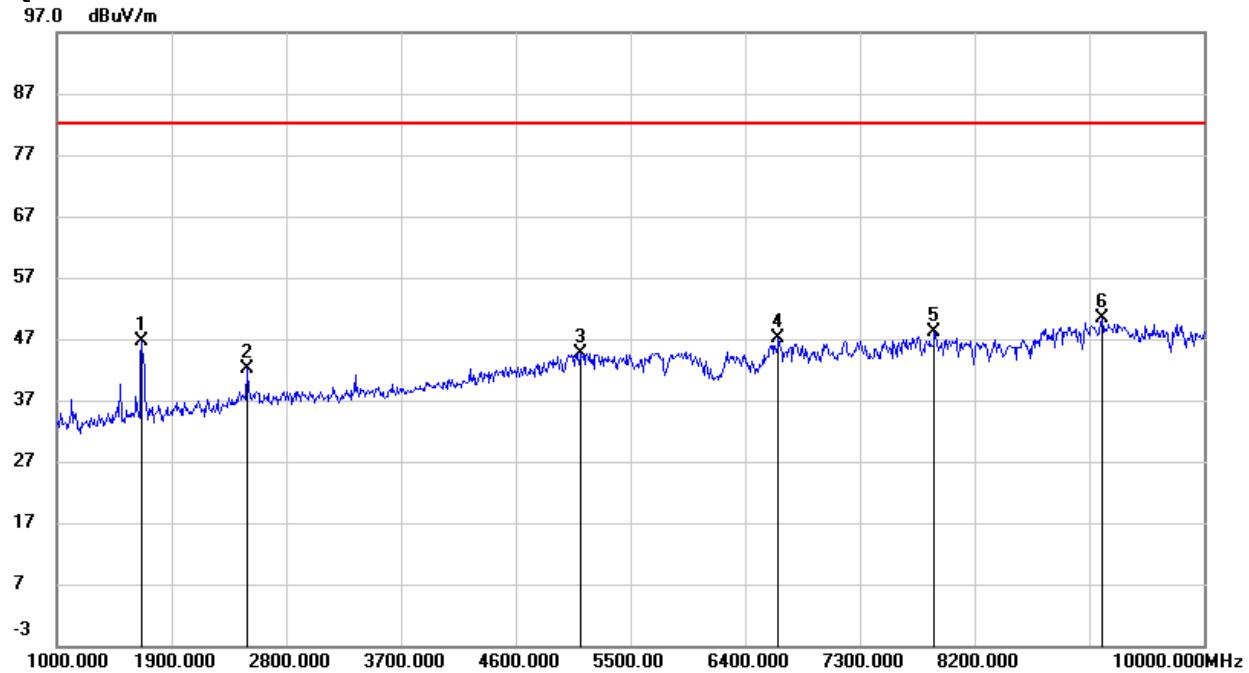
QPSK-15 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1657.000	55.60	-12.19	43.41	82.25	-38.84	peak
2	2494.000	50.69	-8.52	42.17	82.25	-40.08	peak
3	4996.000	43.01	-0.17	42.84	82.25	-39.41	peak
4	6661.000	40.30	4.52	44.82	82.25	-37.43	peak
5	8029.000	40.47	5.68	46.15	82.25	-36.10	peak
6	8983.000	38.06	9.62	47.68	82.25	-34.57	peak

QPSK-15 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1666.000	59.68	-12.16	47.52	82.25	-34.73	peak
2	4330.000	45.99	-2.94	43.05	82.25	-39.20	peak
3	4771.000	44.40	-1.06	43.34	82.25	-38.91	peak
4	6661.000	41.33	4.52	45.85	82.25	-36.40	peak
5	7039.000	40.06	6.17	46.23	82.25	-36.02	peak
6	9343.000	39.42	9.88	49.30	82.25	-32.95	peak

QPSK-15 MHz-Mid Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1666.000	58.91	-12.16	46.75	82.25	-35.50	peak
2	2494.000	50.77	-8.52	42.25	82.25	-40.00	peak
3	5104.000	44.68	-0.03	44.65	82.25	-37.60	peak
4	6661.000	42.65	4.52	47.17	82.25	-35.08	peak
5	7885.000	42.36	5.66	48.02	82.25	-34.23	peak
6	9199.000	40.47	9.82	50.29	82.25	-31.96	peak

QPSK-15 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1675.000	59.79	-12.13	47.66	82.25	-34.59	peak
2	2557.000	48.87	-8.32	40.55	82.25	-41.70	peak
3	4672.000	45.00	-1.46	43.54	82.25	-38.71	peak
4	5680.000	44.78	0.94	45.72	82.25	-36.53	peak
5	7021.000	40.07	6.19	46.26	82.25	-35.99	peak
6	9136.000	38.66	9.80	48.46	82.25	-33.79	peak

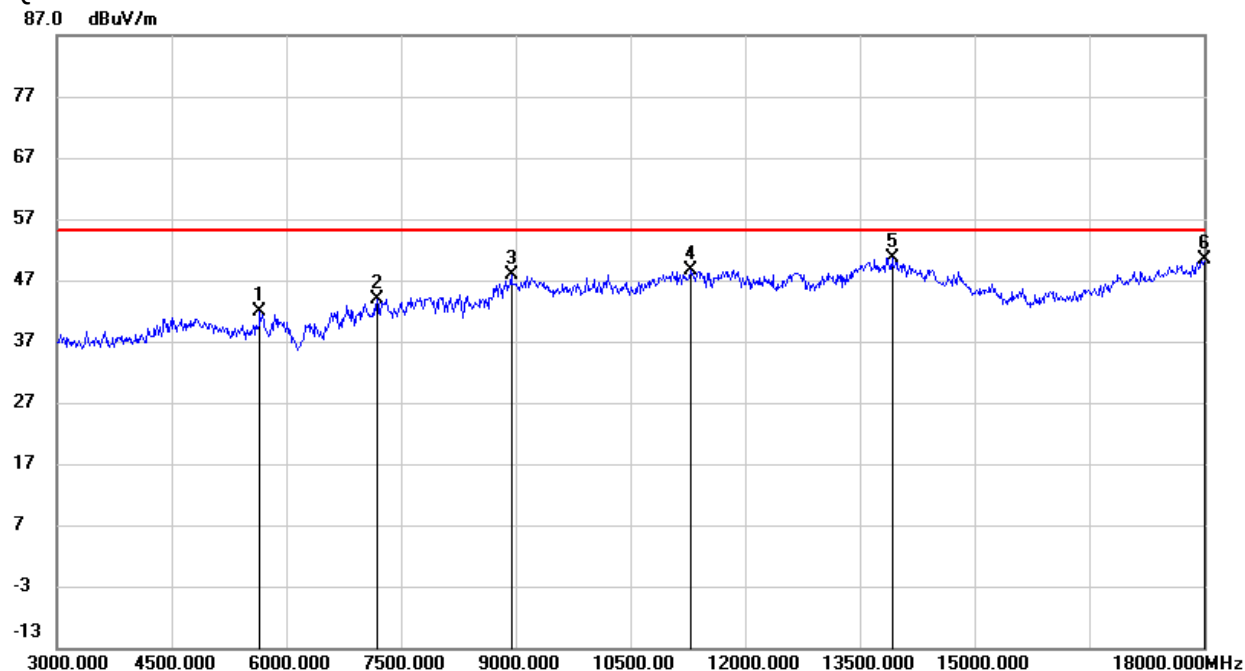
QPSK-15 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1675.000	56.75	-12.13	44.62	82.25	-37.63	peak
2	2494.000	49.17	-8.52	40.65	82.25	-41.60	peak
3	4996.000	43.56	-0.17	43.39	82.25	-38.86	peak
4	6274.000	41.39	2.87	44.26	82.25	-37.99	peak
5	7723.000	38.82	5.67	44.49	82.25	-37.76	peak
6	9253.000	36.75	9.83	46.58	82.25	-35.67	peak

Note: Limit= -13dBm+95.25=82.25 dBuV/m

8.1.12. LTE Band 30

QPSK-10 MHz-Low Channel- Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5655.000	40.52	1.29	41.81	55.25	-13.44	peak
2	7185.000	37.27	6.55	43.82	55.25	-11.43	peak
3	8940.000	37.82	10.04	47.86	55.25	-7.39	peak
4	11280.000	32.79	15.80	48.59	55.25	-6.66	peak
5	13920.000	28.84	21.79	50.63	55.25	-4.62	peak
6	18000.000	24.57	25.69	50.26	55.25	-4.99	peak

QPSK-10 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	40.58	1.82	42.40	55.25	-12.85	peak
2	8025.000	39.00	6.34	45.34	55.25	-9.91	peak
3	10560.000	33.60	13.20	46.80	55.25	-8.45	peak
4	12675.000	31.28	17.99	49.27	55.25	-5.98	peak
5	13575.000	28.46	21.06	49.52	55.25	-5.73	peak
6	17700.000	26.27	23.91	50.18	55.25	-5.07	peak

Note: Limit= -13dBm+95.25=82.25 dBuV/m

8.1.13. LTE Band 38

QPSK-20 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5655.000	39.52	1.29	40.81	70.25	-29.44	peak
2	8940.000	36.82	10.04	46.86	70.25	-23.39	peak
3	10200.000	33.87	12.40	46.27	70.25	-23.98	peak
4	11850.000	32.13	17.56	49.69	70.25	-20.56	peak
5	13920.000	29.84	21.79	51.63	70.25	-18.62	peak
6	18000.000	26.57	25.69	52.26	70.25	-17.99	peak

QPSK-20 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	41.08	1.82	42.90	70.25	-27.35	peak
2	9255.000	37.50	10.59	48.09	70.25	-22.16	peak
3	11370.000	36.03	16.12	52.15	70.25	-18.10	peak
4	12675.000	34.28	17.99	52.27	70.25	-17.98	peak
5	13860.000	31.02	21.67	52.69	70.25	-17.56	peak
6	18000.000	28.05	25.69	53.74	70.25	-16.51	peak

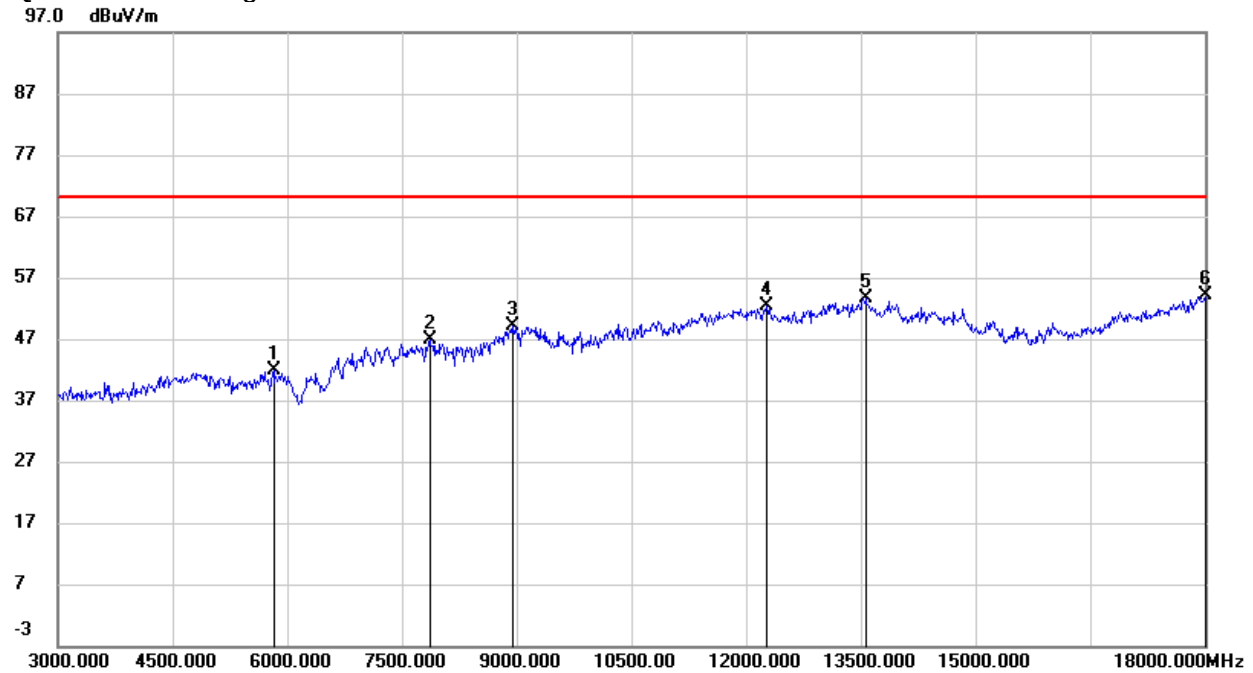
QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6630.000	38.01	4.86	42.87	70.25	-27.38	peak
2	8955.000	37.16	10.16	47.32	70.25	-22.93	peak
3	10230.000	36.27	12.46	48.73	70.25	-21.52	peak
4	12465.000	34.14	17.62	51.76	70.25	-18.49	peak
5	13935.000	31.33	21.82	53.15	70.25	-17.10	peak
6	17970.000	27.11	25.51	52.62	70.25	-17.63	peak

QPSK-20 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	38.51	0.43	38.94	70.25	-31.31	peak
2	7875.000	35.93	6.31	42.24	70.25	-28.01	peak
3	11745.000	31.02	17.27	48.29	70.25	-21.96	peak
4	12495.000	31.32	17.60	48.92	70.25	-21.33	peak
5	13530.000	29.14	20.96	50.10	70.25	-20.15	peak
6	17970.000	24.65	25.51	50.16	70.25	-20.09	peak

QPSK-20 MHz-High Channel- Horizontal



QPSK-20 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5880.000	39.88	1.92	41.80	70.25	-28.45	peak
2	9330.000	37.12	10.62	47.74	70.25	-22.51	peak
3	11910.000	33.30	17.72	51.02	70.25	-19.23	peak
4	12585.000	34.16	17.78	51.94	70.25	-18.31	peak
5	13965.000	31.22	21.89	53.11	70.25	-17.14	peak
6	17940.000	27.35	25.34	52.69	70.25	-17.56	peak

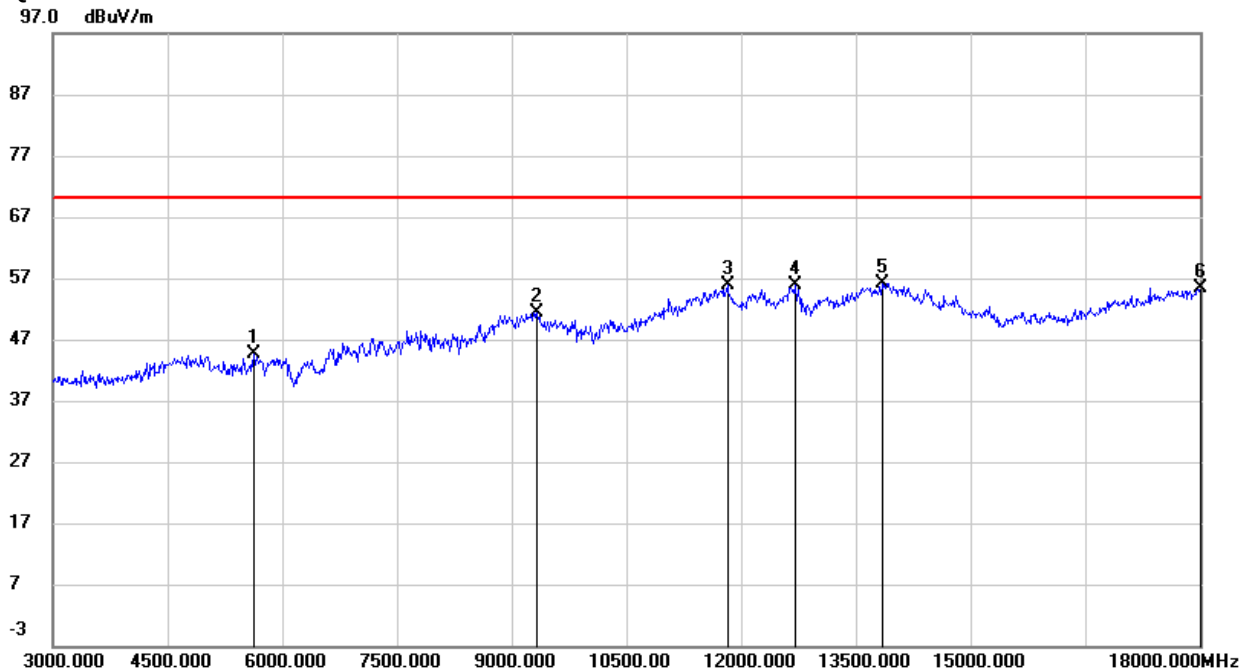
Note: Limit= -25dBm+95.25=70.25 dBuV/m

8.1.14. LTE Band 41

QPSK-20 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4710.000	41.73	-0.66	41.07	70.25	-29.18	peak
2	7515.000	40.68	6.33	47.01	70.25	-23.24	peak
3	9225.000	36.70	10.58	47.28	70.25	-22.97	peak
4	11865.000	34.88	17.59	52.47	70.25	-17.78	peak
5	13590.000	31.41	21.09	52.50	70.25	-17.75	peak
6	17985.000	28.12	25.60	53.72	70.25	-16.53	peak

QPSK-20 MHz-Low Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5625.000	43.37	1.20	44.57	70.25	-25.68	peak
2	9330.000	40.73	10.62	51.35	70.25	-18.90	peak
3	11820.000	38.34	17.47	55.81	70.25	-14.44	peak
4	12705.000	37.91	18.06	55.97	70.25	-14.28	peak
5	13845.000	34.45	21.62	56.07	70.25	-14.18	peak
6	18000.000	29.73	25.69	55.42	70.25	-14.83	peak

QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6795.000	38.25	5.68	43.93	70.25	-26.32	peak
2	7770.000	39.36	6.31	45.67	70.25	-24.58	peak
3	9135.000	38.03	10.55	48.58	70.25	-21.67	peak
4	11760.000	36.18	17.31	53.49	70.25	-16.76	peak
5	13665.000	31.62	21.25	52.87	70.25	-17.38	peak
6	17985.000	27.58	25.60	53.18	70.25	-17.07	peak

QPSK-20 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5175.000	43.90	0.59	44.49	70.25	-25.76	peak
2	9255.000	37.40	10.59	47.99	70.25	-22.26	peak
3	11055.000	36.13	14.96	51.09	70.25	-19.16	peak
4	11820.000	34.84	17.47	52.31	70.25	-17.94	peak
5	13530.000	31.86	20.96	52.82	70.25	-17.43	peak
6	17985.000	27.19	25.60	52.79	70.25	-17.46	peak

QPSK-20 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6570.000	38.09	4.57	42.66	70.25	-27.59	peak
2	9120.000	35.88	10.53	46.41	70.25	-23.84	peak
3	11745.000	33.87	17.27	51.14	70.25	-19.11	peak
4	13605.000	31.32	21.12	52.44	70.25	-17.81	peak
5	13860.000	30.85	21.67	52.52	70.25	-17.73	peak
6	17985.000	27.78	25.60	53.38	70.25	-16.87	peak

QPSK-20 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	41.88	0.43	42.31	70.25	-27.94	peak
2	8040.000	40.17	6.34	46.51	70.25	-23.74	peak
3	8850.000	39.08	9.39	48.47	70.25	-21.78	peak
4	11730.000	35.02	17.22	52.24	70.25	-18.01	peak
5	13605.000	32.00	21.12	53.12	70.25	-17.13	peak
6	17910.000	27.28	25.16	52.44	70.25	-17.81	peak

Note: Limit= -25dBm+95.25=70.25 dBuV/m

8.1.15. LTE Band 42

QPSK-20 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8749.000	42.49	9.47	51.96	82.25	-30.29	peak
2	9992.000	47.47	13.36	60.83	82.25	-21.42	peak
3	12797.000	39.16	19.97	59.13	82.25	-23.12	peak
4	13501.000	39.91	22.04	61.95	82.25	-20.30	peak
5	15998.000	37.72	20.46	58.18	82.25	-24.07	peak
6	17945.000	30.63	29.03	59.66	82.25	-22.59	peak

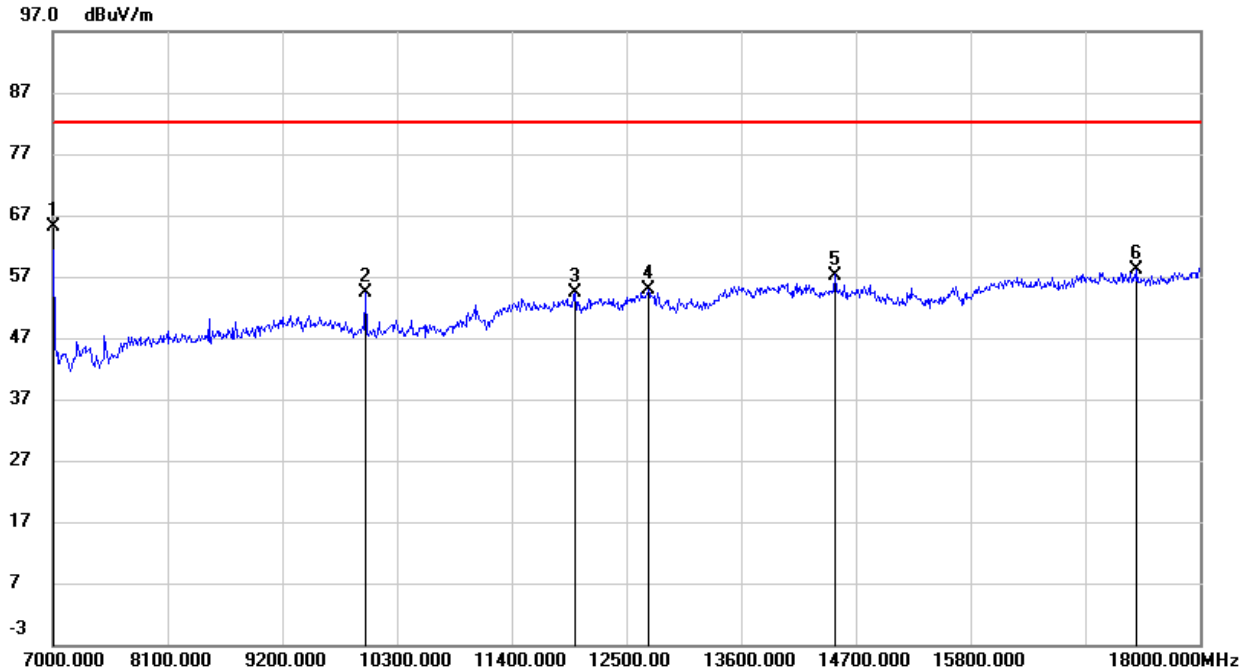
QPSK-20 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8496.000	42.04	9.25	51.29	82.25	-30.96	peak
2	9992.000	44.91	12.67	57.58	82.25	-24.67	peak
3	12797.000	36.91	18.89	55.80	82.25	-26.45	peak
4	13501.000	38.70	20.34	59.04	82.25	-23.21	peak
5	14502.000	35.90	20.95	56.85	82.25	-25.40	peak
6	17307.000	33.44	25.00	58.44	82.25	-23.81	peak

QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7000.000	49.87	7.12	56.99	82.25	-25.26	peak
2	10003.000	48.14	13.33	61.47	82.25	-20.78	peak
3	12797.000	39.67	19.97	59.64	82.25	-22.61	peak
4	13501.000	40.91	22.04	62.95	82.25	-19.30	peak
5	13996.000	37.52	23.59	61.11	82.25	-21.14	peak
6	15998.000	39.09	20.46	59.55	82.25	-22.70	peak

QPSK-20 MHz-Mid Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7000.000	57.17	8.02	65.19	82.25	-17.06	peak
2	10003.000	41.77	12.63	54.40	82.25	-27.85	peak
3	12005.000	37.00	17.41	54.41	82.25	-27.84	peak
4	12709.000	36.22	18.58	54.80	82.25	-27.45	peak
5	14502.000	36.30	20.95	57.25	82.25	-25.00	peak
6	17395.000	33.12	25.06	58.18	82.25	-24.07	peak

QPSK-20 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7165.000	50.60	7.46	58.06	82.25	-24.19	peak
2	10003.000	46.28	13.33	59.61	82.25	-22.64	peak
3	12005.000	40.25	18.51	58.76	82.25	-23.49	peak
4	13501.000	39.88	22.04	61.92	82.25	-20.33	peak
5	14502.000	39.20	21.24	60.44	82.25	-21.81	peak
6	16009.000	38.55	20.55	59.10	82.25	-23.15	peak

QPSK-20 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7176.000	53.03	8.24	61.27	82.25	-20.98	peak
2	9992.000	41.60	12.67	54.27	82.25	-27.98	peak
3	11884.000	37.58	17.00	54.58	82.25	-27.67	peak
4	14502.000	35.85	20.95	56.80	82.25	-25.45	peak
5	16856.000	33.82	24.14	57.96	82.25	-24.29	peak
6	17802.000	32.66	26.18	58.84	82.25	-23.41	peak

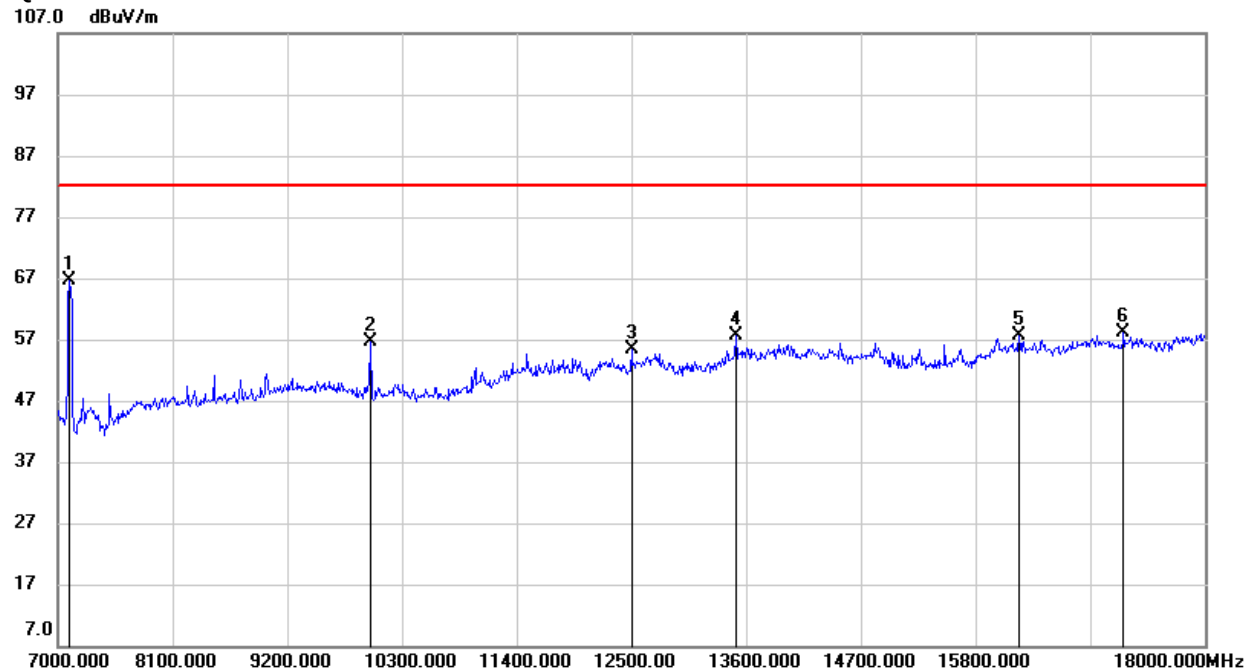
Note: Limit= -25dBm+95.25=82.25 dBuV/m

8.1.16. LTE Band 48

QPSK-20 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7110.000	50.49	7.34	57.83	82.25	-24.42	peak
2	9992.000	45.67	13.36	59.03	82.25	-23.22	peak
3	12005.000	40.38	18.51	58.89	82.25	-23.36	peak
4	13501.000	37.93	22.04	59.97	82.25	-22.28	peak
5	16009.000	39.48	20.55	60.03	82.25	-22.22	peak
6	17802.000	32.33	27.51	59.84	82.25	-22.41	peak

QPSK-20 MHz-Low Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7110.000	58.53	8.16	66.69	82.25	-15.56	peak
2	10003.000	44.09	12.63	56.72	82.25	-25.53	peak
3	12500.000	37.20	18.09	55.29	82.25	-26.96	peak
4	13501.000	37.32	20.34	57.66	82.25	-24.59	peak
5	16218.000	33.41	24.11	57.52	82.25	-24.73	peak
6	17219.000	33.09	24.92	58.01	82.25	-24.24	peak

QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7242.000	50.21	7.58	57.79	82.25	-24.46	peak
2	10003.000	44.97	13.33	58.30	82.25	-23.95	peak
3	11994.000	39.72	18.48	58.20	82.25	-24.05	peak
4	12797.000	38.57	19.97	58.54	82.25	-23.71	peak
5	13864.000	35.15	23.06	58.21	82.25	-24.04	peak
6	17967.000	30.99	29.26	60.25	82.25	-22.00	peak

QPSK-20 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7231.000	56.24	8.28	64.52	82.25	-17.73	peak
2	9992.000	44.73	12.67	57.40	82.25	-24.85	peak
3	12797.000	37.76	18.89	56.65	82.25	-25.60	peak
4	13501.000	38.60	20.34	58.94	82.25	-23.31	peak
5	14502.000	36.16	20.95	57.11	82.25	-25.14	peak
6	16009.000	34.74	22.93	57.67	82.25	-24.58	peak

QPSK-20 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7363.000	44.78	7.70	52.48	82.25	-29.77	peak
2	9992.000	44.13	13.36	57.49	82.25	-24.76	peak
3	12005.000	39.11	18.51	57.62	82.25	-24.63	peak
4	13501.000	37.56	22.04	59.60	82.25	-22.65	peak
5	14502.000	37.53	21.24	58.77	82.25	-23.48	peak
6	17945.000	31.51	29.03	60.54	82.25	-21.71	peak

QPSK-20 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7363.000	54.64	8.31	62.95	82.25	-19.30	peak
2	9992.000	44.95	12.67	57.62	82.25	-24.63	peak
3	11499.000	38.50	16.33	54.83	82.25	-27.42	peak
4	13501.000	38.63	20.34	58.97	82.25	-23.28	peak
5	16086.000	34.13	23.42	57.55	82.25	-24.70	peak
6	17164.000	33.59	24.82	58.41	82.25	-23.84	peak

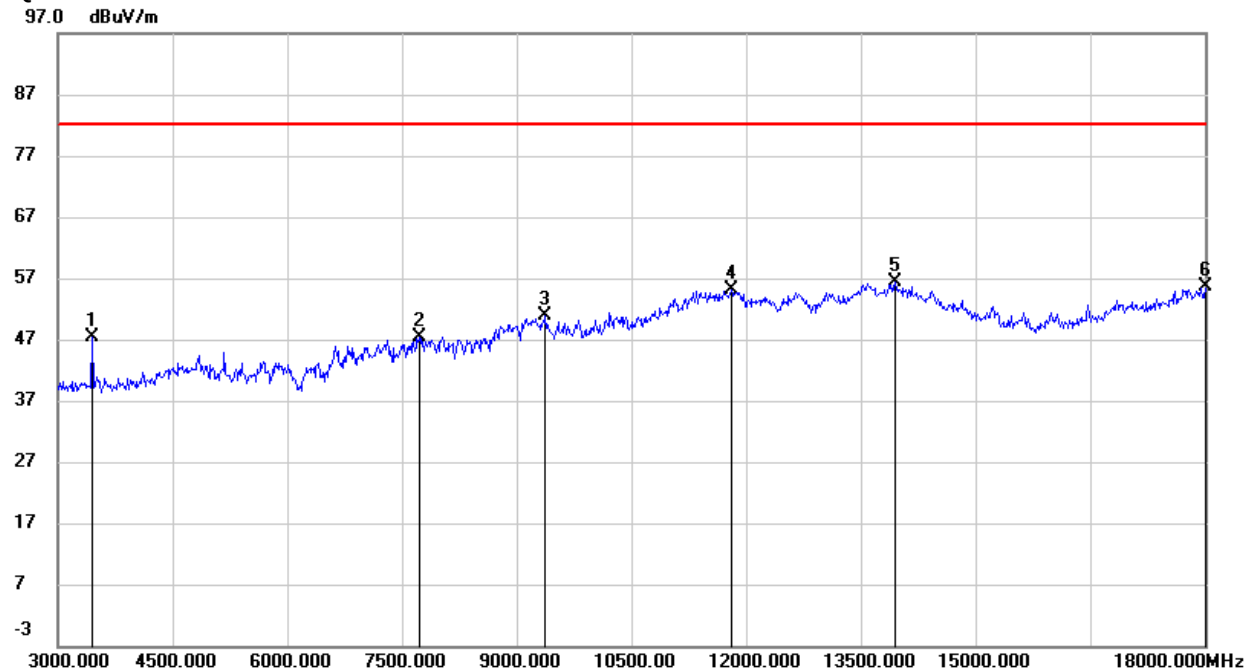
Note: Limit= -25dBm+95.25=82.25 dBuV/m

8.1.17. LTE Band 66

QPSK-20 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3450.000	51.77	-4.99	46.78	82.25	-35.47	peak
2	9060.000	38.33	10.51	48.84	82.25	-33.41	peak
3	9780.000	37.47	11.43	48.90	82.25	-33.35	peak
4	12630.000	33.94	17.89	51.83	82.25	-30.42	peak
5	13875.000	31.81	21.70	53.51	82.25	-28.74	peak
6	17970.000	27.61	25.51	53.12	82.25	-29.13	peak

QPSK-20 MHz-Low Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3450.000	52.29	-4.99	47.30	82.25	-34.95	peak
2	7725.000	41.14	6.32	47.46	82.25	-34.79	peak
3	9375.000	40.16	10.64	50.80	82.25	-31.45	peak
4	11805.000	37.74	17.43	55.17	82.25	-27.08	peak
5	13950.000	34.47	21.86	56.33	82.25	-25.92	peak
6	18000.000	30.04	25.69	55.73	82.25	-26.52	peak

QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3495.000	51.09	-4.96	46.13	82.25	-36.12	peak
2	7020.000	39.02	6.67	45.69	82.25	-36.56	peak
3	9225.000	39.14	10.58	49.72	82.25	-32.53	peak
4	11250.000	35.19	15.69	50.88	82.25	-31.37	peak
5	13890.000	31.26	21.72	52.98	82.25	-29.27	peak
6	17985.000	26.96	25.60	52.56	82.25	-29.69	peak

QPSK-20 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3495.000	53.22	-4.96	48.26	82.25	-33.99	peak
2	8940.000	41.23	10.04	51.27	82.25	-30.98	peak
3	11415.000	38.17	16.29	54.46	82.25	-27.79	peak
4	12180.000	36.64	17.83	54.47	82.25	-27.78	peak
5	13920.000	32.80	21.79	54.59	82.25	-27.66	peak
6	17925.000	30.02	25.25	55.27	82.25	-26.98	peak

QPSK-20 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3555.000	49.49	-4.83	44.66	82.25	-37.59	peak
2	7305.000	39.69	6.47	46.16	82.25	-36.09	peak
3	9210.000	39.76	10.57	50.33	82.25	-31.92	peak
4	11730.000	37.50	17.22	54.72	82.25	-27.53	peak
5	13695.000	33.56	21.31	54.87	82.25	-27.38	peak
6	18000.000	28.41	25.69	54.10	82.25	-28.15	peak

QPSK-20 MHz-High Channel- Vertical

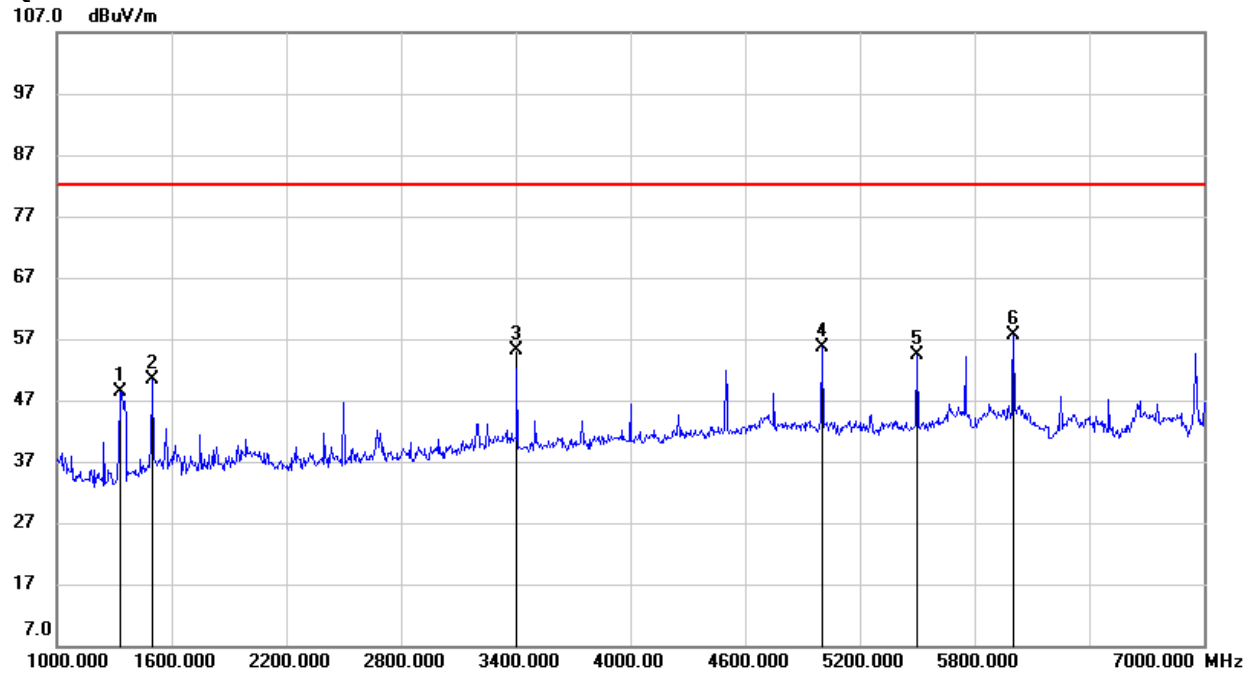
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3555.000	51.75	-4.83	46.92	82.25	-35.33	peak
2	7710.000	41.29	6.33	47.62	82.25	-34.63	peak
3	10230.000	37.92	12.46	50.38	82.25	-31.87	peak
4	11400.000	35.44	16.23	51.67	82.25	-30.58	peak
5	13980.000	31.47	21.92	53.39	82.25	-28.86	peak
6	17985.000	27.24	25.60	52.84	82.25	-29.41	peak

Note: Limit= -13dBm+95.25=82.25 dBuV/m

8.1.18. LTE Band 71
QPSK-20 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1342.000	61.81	-12.50	49.31	82.25	-32.94	peak
2	2500.000	53.23	-8.30	44.93	82.25	-37.32	peak
3	4000.000	44.70	-2.65	42.05	82.25	-40.20	peak
4	5002.000	48.41	1.06	49.47	82.25	-32.78	peak
5	6004.000	47.52	3.55	51.07	82.25	-31.18	peak
6	6958.000	46.21	5.93	52.14	82.25	-30.11	peak

QPSK-20 MHz-Low Channel- Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1330.000	60.66	-12.24	48.42	82.25	-33.83	peak
2	1498.000	62.10	-11.80	50.30	82.25	-31.95	peak
3	3406.000	58.73	-3.66	55.07	82.25	-27.18	peak
4	5002.000	53.25	2.26	55.51	82.25	-26.74	peak
5	5500.000	50.77	3.61	54.38	82.25	-27.87	peak
6	6004.000	53.15	4.55	57.70	82.25	-24.55	peak

QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1378.000	64.46	-12.39	52.07	82.25	-30.18	peak
2	3502.000	48.21	-4.47	43.74	82.25	-38.51	peak
3	5002.000	47.80	1.06	48.86	82.25	-33.39	peak
4	5752.000	46.96	3.13	50.09	82.25	-32.16	peak
5	6004.000	48.42	3.55	51.97	82.25	-30.28	peak
6	6952.000	48.44	5.92	54.36	82.25	-27.89	peak

QPSK-20 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1498.000	61.20	-11.80	49.40	82.25	-32.85	peak
2	2500.000	53.79	-7.50	46.29	82.25	-35.96	peak
3	4498.000	51.57	0.01	51.58	82.25	-30.67	peak
4	5002.000	53.60	2.26	55.86	82.25	-26.39	peak
5	6004.000	54.06	4.55	58.61	82.25	-23.64	peak
6	6958.000	48.70	6.82	55.52	82.25	-26.73	peak

QPSK-20 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1378.000	66.83	-12.39	54.44	82.25	-27.81	peak
2	2500.000	51.96	-8.30	43.66	82.25	-38.59	peak
3	3472.000	44.59	-4.54	40.05	82.25	-42.20	peak
4	5002.000	45.91	1.06	46.97	82.25	-35.28	peak
5	6004.000	46.09	3.55	49.64	82.25	-32.61	peak
6	6958.000	45.90	5.93	51.83	82.25	-30.42	peak

QPSK-20 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1366.000	59.86	-12.17	47.69	82.25	-34.56	peak
2	1498.000	60.71	-11.80	48.91	82.25	-33.34	peak
3	5002.000	49.96	2.26	52.22	82.25	-30.03	peak
4	5500.000	50.81	3.61	54.42	82.25	-27.83	peak
5	6004.000	51.08	4.55	55.63	82.25	-26.62	peak
6	6958.000	47.24	6.82	54.06	82.25	-28.19	peak

Note: Limit= -13dBm+95.25=82.25 dBuV/m

END OF REPORT