

**CFR 47 FCC PART 2
CFR 47 FCC PART 22 H
CFR 47 FCC PART 24 E
CFR 47 FCC PART 27
RSS 130, RSS-132, RSS-133, RSS-139**

TEST REPORT

For

UNATTENDED PAYMENT TERMINAL

MODEL NUMBER: IM30

REPORT NUMBER: 4792254277-1-RF-7

ISSUE DATE: August 30, 2026

**FCC ID: V5PIM304GBWLC
IC: 11689A-IM304GBWLC
HVIN: IM30 4GBWLC**

Prepared for

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	August 30, 2026	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 > < RSS-130, RSS-132, RSS-133, RSS-139 > when < Simple Acceptance > decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information (FCC)

Company Name: PAX Technology Limited
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HARBOUR ROAD, WANCHAI, HK, China

Manufacturer Information (FCC)

Company Name: PAX Computer Technology (Shenzhen) Co., Ltd.
Address: Room 701, PAX Technology Building, Shanxia Community,
Pinghu Sub-district, Longgang District, Shenzhen, China

EUT Information

EUT Name: UNATTENDED PAYMENT TERMINAL
Model: IM30
Brand: Pax
Sample Received Date: May 19, 2026
Sample Status: Normal
Sample ID: 9755003
Date of Tested: May 21, 2026 to August 30, 2026

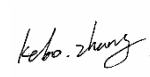
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 22 H	PASS
CFR 47 FCC PART 24 E	PASS
CFR 47 FCC PART 27	PASS
RSS-130, RSS-132, RSS-133, RSS-139	PASS

Prepared By:



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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, RSS-130, RSS-132, RSS-133, RSS-139.

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.: C-20202, G-20240, R-20248 and T-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 E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
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Note:

1. All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.
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 site and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.
3. Measurements have been performed in an anechoic chamber for below 30 MHz and compared with the measurement result that obtained in an open field site and the measurements result have been corrected to represent the result collected in 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.	

Remark: For Radiated Emission measurements (200 MHz - 18 GHz), the EUT support table is made of Expanded Polystyrene (EPS). This material is characterized by a low dielectric constant, as recognized in CISPR 16-1-4, to minimize its influence on field strength measurements. This influence has been considered in the uncertainty budget.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	UNATTENDED PAYMENT TERMINAL
Model	IM30
Normal Test Voltage:	AC 120V 60Hz

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]
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 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 17	Low Range	5	23755	706.05	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 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
	Paired High Range ²	1.4	132665	1779.3	67129	2179.3
		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.						

5.3. MAXIMUM AVERAGE OUTPUT POWER

LTE Band 2							
Part 24							
EIRP Limit(W)			2.0				
Antenna Gain (dBi)			1.69				
Bandwidth (MHz)	Modulation	Lower Freq. (MHz)	Upper Freq. (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	1850.7	1909.3	23.34	0.318	1.102	1M10D7W
	16QAM			22.47	0.261	1.097	1M10G7W
3	QPSK	1851.5	1908.5	23.21	0.309	2.698	2M70D7W
	16QAM			22.48	0.261	2.696	2M70G7W
5	QPSK	1852.5	1907.5	23.26	0.313	4.505	4M51D7W
	16QAM			22.27	0.249	4.487	4M49G7W
10	QPSK	1855.0	1905.0	23.46	0.327	8.932	8M93D7W
	16QAM			22.30	0.251	8.931	8M93G7W
15	QPSK	1857.5	1902.5	23.26	0.313	13.365	13M4D7W
	16QAM			22.29	0.250	13.379	13M4G7W
20	QPSK	1860.0	1900.0	23.53	0.333	17.850	17M9D7W
	16QAM			22.85	0.284	17.812	17M8G7W

LTE Band 4							
Part 27							
EIRP Limit(W)			1.0				
Antenna Gain (dBi)			1.49				
Bandwidth (MHz)	Modulation	Lower Freq. (MHz)	Upper Freq. (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	1710.7	1754.3	23.18	0.293	1.100	1M10D7W
	16QAM			21.93	0.220	1.093	1M09G7W
3	QPSK	1711.5	1753.5	23.15	0.291	2.692	2M69D7W
	16QAM			21.79	0.213	2.699	2M70G7W
5	QPSK	1712.5	1752.5	23.22	0.296	4.507	4M51D7W
	16QAM			21.82	0.214	4.482	4M48G7W
10	QPSK	1715.0	1750.0	23.04	0.284	8.913	8M91D7W
	16QAM			21.95	0.221	8.920	8M92G7W
15	QPSK	1717.5	1747.5	23.11	0.288	13.329	13M3D7W
	16QAM			21.84	0.215	13.355	13M4G7W
20	QPSK	1720.0	1745.0	23.07	0.286	17.870	17M9D7W
	16QAM			21.97	0.222	17.832	17M8G7W

LTE Band 5							
Part 22							
ERP Limit (W) for FCC			7				
Antenna Gain (dBi)			2.82				
Bandwidth (MHz)	Modulation	Lower Freq. (MHz)	Upper Freq. (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	824.7	848.3	22.98	0.232	1.097	1M10D7W
	16QAM			21.94	0.182	1.097	1M10G7W
3	QPSK	825.5	847.5	22.81	0.223	2.699	2M70D7W
	16QAM			21.97	0.184	2.698	2M70G7W
5	QPSK	826.5	846.5	22.73	0.219	4.512	4M51D7W
	16QAM			22.00	0.185	4.488	4M49G7W
10	QPSK	829.0	844.0	22.85	0.225	8.965	8M97D7W
	16QAM			21.85	0.179	8.963	8M96G7W

LTE Band 12							
Part 27 / RSS-130							
ERP Limit(W)			3.0				
Antenna Gain (dBi)			2.38				
Bandwidth (MHz)	Modulation	Lower Freq. (MHz)	Upper Freq. (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	699.7	715.3	22.96	0.208	1.100	1M10D7W
	16QAM			21.88	0.163	1.097	1M10G7W
3	QPSK	700.5	714.5	22.93	0.207	2.699	2M70D7W
	16QAM			21.90	0.163	2.696	2M70G7W
5	QPSK	701.5	713.5	22.86	0.204	7.530	7M53D7W
	16QAM			21.77	0.158	4.503	4M50G7W
10	QPSK	704.0	711.0	22.96	0.208	8.927	8M93D7W
	16QAM			21.96	0.166	8.913	8M91G7W

LTE Band 13							
Part 27 / RSS-130							
ERP Limit(W)			3.0				
Antenna Gain (dBi)			1.97				
Bandwidth (MHz)	Modulation	Lower Freq. (MHz)	Upper Freq. (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	779.5	784.5	23.32	0.206	4.518	4M52D7W
	16QAM			22.37	0.166	4.498	4M50G7W
10	QPSK	782.0	782.0	23.23	0.202	8.945	8M95D7W
	16QAM			22.29	0.163	8.948	8M95G7W

LTE Band 17							
Part 27 / RSS-130							
ERP Limit(W)			3.0				
Antenna Gain (dBi)			2.38				
Bandwidth (MHz)	Modulation	Lower Freq. (MHz)	Upper Freq. (MHz)	Conducted Average (dBm)	ERP Average (W)	99% OBW (MHz)	Emission Designator
5	QPSK	706.5	713.5	23.14	0.217	4.497	4M50D7W
	16QAM			21.91	0.164	4.476	4M48G7W
10	QPSK	709.0	711.0	23.03	0.212	8.923	8M92D7W
	16QAM			21.88	0.163	8.917	8M92G7W

LTE Band 66							
Part 27							
EIRP Limit(W)			1.0				
Antenna Gain (dBi)			1.49				
Bandwidth (MHz)	Modulation	Lower Freq. (MHz)	Upper Freq. (MHz)	Conducted Average (dBm)	EIRP Average (W)	99% OBW (MHz)	Emission Designator
1.4	QPSK	1710.7	1779.3	23.64	0.326	1.094	1M09D7W
	16QAM			22.70	0.262	1.101	1M10G7W
3	QPSK	1711.5	1778.5	23.71	0.331	2.701	2M70D7W
	16QAM			22.77	0.267	2.701	2M70G7W
5	QPSK	1712.5	1777.5	23.61	0.324	4.520	4M52D7W
	16QAM			22.84	0.271	4.499	4M50G7W
10	QPSK	1715.0	1775.0	23.73	0.333	8.976	8M98D7W
	16QAM			22.69	0.262	8.977	8M98G7W
15	QPSK	1717.5	1772.5	23.66	0.327	13.463	13M5D7W
	16QAM			22.67	0.261	13.445	13M4G7W
20	QPSK	1720.0	1770.0	23.59	0.322	18.010	18M0D7W
	16QAM			22.69	0.262	18.075	18M1G7W

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)
Main	LTE Band 2	Dipole	1.69
Main	LTE Band 4	Dipole	1.49
Main	LTE Band 5	Dipole	2.82
Main	LTE Band 12	Dipole	2.38
Main	LTE Band 13	Dipole	1.97
Main	LTE Band 17	Dipole	2.38
Main	LTE Band 66	Dipole	1.49
Main	LTE Band 2	FPC	-0.73
Main	LTE Band 4	FPC	-2.24
Main	LTE Band 5	FPC	-2.67
Main	LTE Band 12	FPC	-3.23
Main	LTE Band 13	FPC	-2.48
Main	LTE Band 17	FPC	-3.23
Main	LTE Band 66	FPC	-2.24

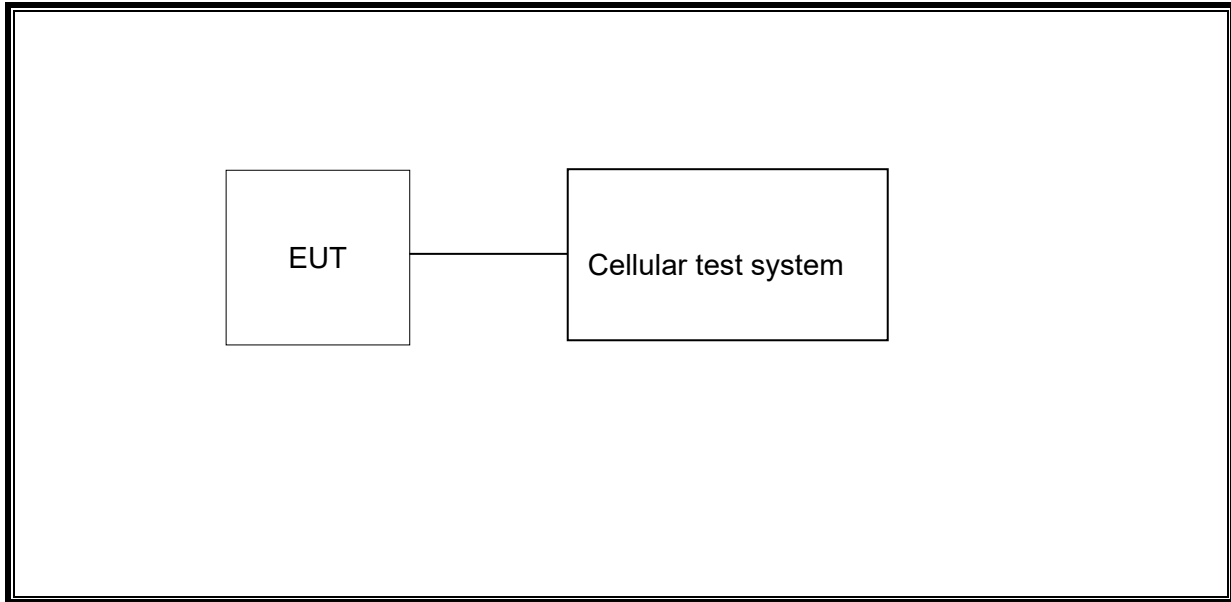
Note: All the antennas have been tested, only the worst data for dipole main antenna was recorded in the report.

Band	Transmit and Receive Mode	Description
LTE Band 2	☒1TX, 2RX	Only one of the two main antennas can be used as a transmitting/receiving antenna, and they cannot work together. The DIV antenna can be used as a receiving antenna
LTE Band 4	☒1TX, 2RX	Only one of the two main antennas can be used as a transmitting/receiving antenna, and they cannot work together. The DIV antenna can be used as a receiving antenna
LTE Band 5	☒1TX, 2RX	Only one of the two main antennas can be used as a transmitting/receiving antenna, and they cannot work together. The DIV antenna can be used as a receiving antenna
LTE Band 12	☒1TX, 2RX	Only one of the two main antennas can be used as a transmitting/receiving antenna, and they cannot work together. The DIV antenna can be used as a receiving antenna
LTE Band 13	☒1TX, 2RX	Only one of the two main antennas can be used as a transmitting/receiving antenna, and they cannot work together. The DIV antenna can be used as a receiving antenna
LTE Band 17	☒1TX, 2RX	Only one of the two main antennas can be used as a transmitting/receiving antenna, and they cannot work together. The DIV antenna can be used as a receiving antenna
LTE Band 66	☒1TX, 2RX	Only one of the two main antennas can be used as a transmitting/receiving antenna, and they cannot work together. The DIV antenna can be used as a receiving antenna

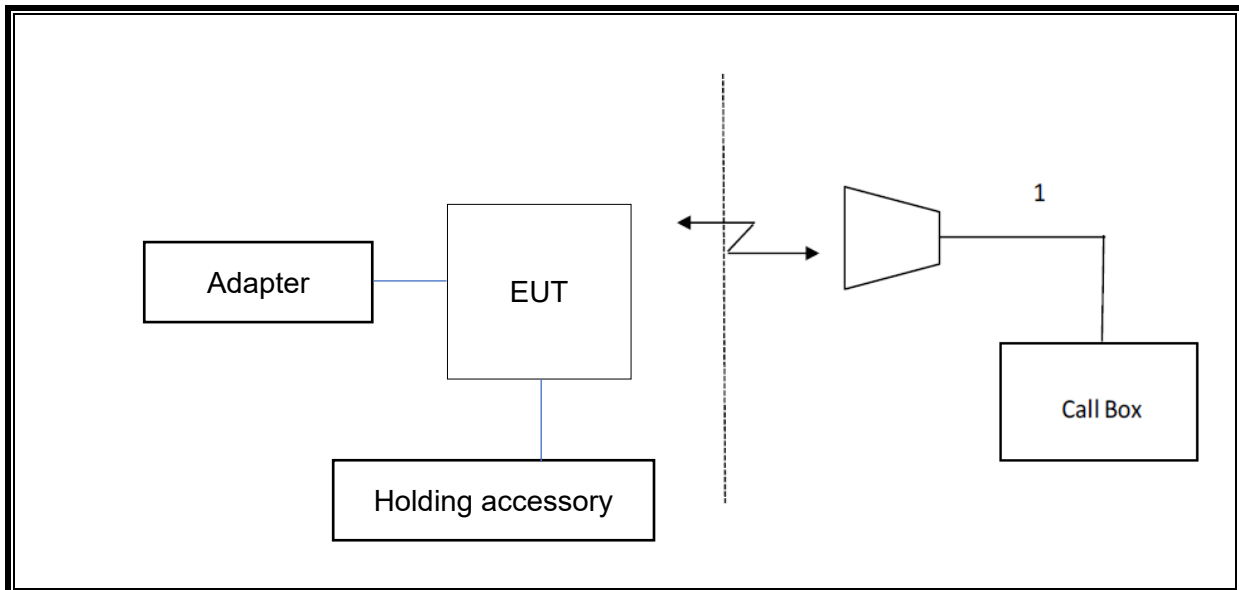
Note: The value of the antenna gain was declared by customer.

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	Sep. 12, 2025	Sep. 11, 2026
☒	Wideband Radio Communication Tester	R&S	CMW500	155523	Sep. 12, 2025	Sep. 11, 2026
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	Sep. 12, 2025	Sep. 11, 2026
☒	Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	June.28, 2024	June.27, 2027
☒	Preamplifier	HP	8447D	2944A09099	Sep. 12, 2025	Sep. 11, 2026
☒	EMI Measurement Receiver	R&S	ESR26	101377	Sep. 12, 2025	Sep. 11, 2026
☒	Horn Antenna	TDK	HRN-0118	130940	Dec. 12, 2024	Dece. 11, 2027
☒	Horn Antenna	Schwarzbeck	BBHA9170	697	Jun. 30, 2024	Jun. 29, 2027
☒	Preamplifier	TDK	PA-02-0118	TRS-305-00067	Sep. 12, 2025	Sep. 11, 2026
☒	Preamplifier	TDK	PA-02-2	TRS-307-00003	Sep. 12, 2025	Sep. 11, 2026
☒	Loop antenna	Schwarzbeck	1519B	00008	Dec.09, 2024	Dec.08,2027
☒	High Pass Filter	Wi	WHKX10-2700-3000-18000-40SS	23	Sep.12, 2025	Sep.11, 2026
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

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.

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 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);

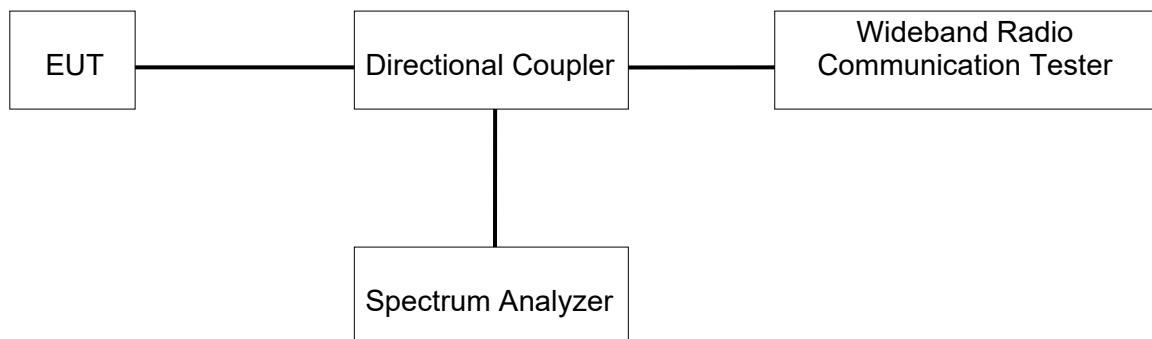
P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

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	22.6°C	Relative Humidity	58.2%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60HZ

RESULTS

7.1.1. LTE Band 2

Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				18607	18900	19193
				Freq. (MHz)		
				1850.70	1880.00	1909.30
1.4	QPSK	1	0	23.34	22.85	23.03
		1	2	23.15	22.87	22.76
		1	5	23.12	23.08	22.94
		3	0	23.07	22.74	22.85
		3	1	23.07	23.09	22.92
		3	3	23.1	22.72	22.79
		6	0	22.03	21.95	21.87
	16QAM	1	0	22.47	21.77	22.15
		1	2	22.46	22.44	22.01
		1	5	22.4	22.03	22.12
		3	0	21.94	21.74	21.75
		3	1	21.86	22.23	21.92
		3	3	21.84	21.69	21.64
		6	0	20.82	20.6	20.97
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				18615	18900	19185
				Freq. (MHz)		
				1851.50	1880.00	1908.50
3	QPSK	1	0	22.99	22.98	22.9
		1	8	23.21	23.21	22.74
		1	14	23.03	22.88	22.85
		8	0	22.1	21.97	21.91
		8	4	21.99	21.92	21.8
		8	7	22.04	22.02	21.79
		15	0	22.11	21.97	21.83
	16QAM	1	0	22.07	21.92	21.91
		1	8	22.48	22.29	22.4
		1	14	22.13	21.81	21.94
		8	0	21.21	20.84	21.26
		8	4	21.15	20.95	20.98
		8	7	21.25	20.8	21.03
		15	0	21.18	20.85	21.05
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				18625	18900	19175
				Freq. (MHz)		
				1852.50	1880.00	1907.50
5	QPSK	1	0	22.86	22.86	22.78
		1	12	23.26	22.88	23.16
		1	24	23.01	22.83	22.81
		12	0	22.09	21.94	21.92
		12	6	22.07	21.91	21.89

	16QAM	12	13	22.07	21.89	21.87
		25	0	22	21.95	21.85
		1	0	21.71	21.81	21.65
		1	12	22.02	22.27	21.82
		1	24	21.97	21.82	21.71
		12	0	20.9	20.88	20.89
		12	6	21.06	21.11	20.91
		12	13	21.07	20.93	20.97
		25	0	21	20.91	20.85
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				18650	18900	19150
				Freq. (MHz)		
				1855.00	1880.00	1905.00
10	QPSK	1	0	23.06	23	23.01
		1	24	23.46	23.3	23.32
		1	49	23.04	22.86	22.93
		25	0	22.13	21.95	22.15
		25	12	22.04	21.97	21.98
		25	25	22.09	22.03	21.85
		50	0	22.12	22	21.95
	16QAM	1	0	22.27	22.09	22.3
		1	24	22.16	22.06	22
		1	49	22.26	21.93	22.13
		25	0	21.09	21.02	21.19
		25	12	21.23	21.06	21.05
		25	25	21.05	21.02	20.96
		50	0	21.07	20.84	20.88
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				18675	18900	19125
				Freq. (MHz)		
				1857.50	1880.00	1902.50
15	QPSK	1	0	22.99	23.01	23.26
		1	38	23.2	23.08	23.17
		1	74	23.02	22.95	22.87
		36	0	22.04	21.99	22.11
		36	18	22.06	22.01	22.07
		36	37	21.99	21.98	21.94
		75	0	22.09	21.97	22.09
	16QAM	1	0	22.22	21.96	21.87
		1	38	22.17	22.11	22.29
		1	74	22.26	22.08	22.05
		36	0	21	20.95	21.01
		36	18	20.94	20.87	21.11
		36	37	21.04	20.87	20.87
		75	0	20.94	20.89	21.11
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				18700	18900	19100
				Freq. (MHz)		
				1860.00	1880.00	1900.00
20	QPSK	1	0	23.35	23.34	22.86
		1	49	23.53	23.29	23.18
		1	99	23.32	23.09	22.85
		50	0	22.44	22.25	22.16
		50	25	22.39	22.22	22.12
		50	50	22.44	22.18	21.97

	16QAM	100	0	22.29	22.14	22.08
		1	0	22.42	22.85	22.03
		1	49	22.11	21.99	22.04
		1	99	22.4	22.66	22.01
		50	0	21.47	21.25	21.3
		50	25	21.39	21.17	21.03
		50	50	21.36	21.1	21.01
		100	0	21.21	21.16	21.11

7.1.2. LTE Band 4

Bandwidth	Modulation	RB size	RB offset	Channel No.		
				19957	20175	20393
				Freq. (MHz)		
				1710.70	1732.50	1754.30
1.4	QPSK	1	0	22.69	22.89	22.67
		1	2	22.80	22.51	22.70
		1	5	22.83	22.91	23.09
		3	0	22.82	22.97	22.61
		3	1	22.89	22.63	22.87
		3	3	22.83	22.72	23.18
		6	0	21.78	21.86	21.97
	16QAM	1	0	21.78	21.65	21.75
		1	2	21.93	21.76	21.80
		1	5	21.80	21.75	21.87
		3	0	21.03	21.00	21.38
		3	1	21.84	21.44	21.48
		3	3	21.83	21.68	21.40
		6	0	21.08	20.50	20.76
Bandwidth	Modulation	RB size	RB offset	Channel No.		
				19965	20175	20385
				Freq. (MHz)		
				1711.50	1732.50	1753.50
3	QPSK	1	0	22.67	22.77	22.75
		1	8	22.79	22.56	22.73
		1	14	22.88	22.78	23.15
		8	0	21.63	21.65	21.79
		8	4	21.73	21.89	21.78
		8	7	21.84	21.76	21.74
		15	0	21.88	21.92	21.72
	16QAM	1	0	21.01	21.14	21.13
		1	8	21.59	21.55	21.39
		1	14	21.67	21.79	21.30
		8	0	20.97	20.68	20.91
		8	4	20.79	20.87	20.83
		8	7	20.72	20.86	20.87
		15	0	20.86	20.64	20.73
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				19975	20175	20375
				Freq. (MHz)		
				1712.50	1732.50	1752.50
5	QPSK	1	0	22.92	22.68	22.76
		1	12	22.95	22.50	22.74
		1	24	22.86	22.87	23.22

		12	0	21.79	21.78	21.88
		12	6	21.82	21.72	21.94
		12	13	21.79	21.66	21.74
		25	0	21.65	21.80	21.74
	16QAM	1	0	21.08	20.90	21.13
		1	12	21.70	21.40	21.46
		1	24	21.73	21.82	21.39
		12	0	20.77	20.59	21.03
		12	6	20.89	20.77	20.98
		12	13	20.89	20.78	20.97
		25	0	21.00	20.72	20.77
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				20000	20175	20350
				Freq. (MHz)		
				1715.00	1732.50	1750.00
10	QPSK	1	0	22.91	22.97	22.70
		1	24	22.90	22.47	22.92
		1	49	22.82	22.93	23.04
		25	0	21.71	21.66	21.79
		25	12	21.90	21.84	21.96
		25	25	21.95	21.70	21.71
		50	0	21.63	21.64	21.78
	16QAM	1	0	21.11	21.03	21.20
		1	24	21.64	21.41	21.36
		1	49	21.88	21.95	21.33
		25	0	20.80	20.65	21.02
		25	12	21.03	20.69	20.94
		25	25	20.76	20.94	20.71
		50	0	20.81	20.55	20.94
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				20025	20175	20325
				Freq. (MHz)		
				1717.50	1732.50	1747.50
15	QPSK	1	0	22.69	22.78	22.75
		1	38	22.82	22.64	22.87
		1	74	22.73	22.78	23.11
		36	0	21.84	21.65	21.06
		36	18	21.66	21.87	21.82
		36	37	21.74	21.76	21.74
		75	0	21.78	21.94	21.90
	16QAM	1	0	21.03	20.92	21.37
		1	38	21.71	21.57	21.53
		1	74	21.83	21.84	21.53
		36	0	20.89	20.75	20.94
		36	18	20.91	20.78	20.82
		36	37	20.78	20.67	20.99

		75	0	20.92	20.55	20.82
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				20050	20175	20300
				Freq. (MHz)		
				1720.00	1732.50	1745.00
20	QPSK	1	0	22.82	22.83	22.75
		1	49	22.84	22.53	22.81
		1	99	22.74	22.87	23.07
		50	0	21.7	21.77	21.91
		50	25	21.79	21.78	21.85
		50	50	21.84	21.75	21.76
		100	0	21.78	21.79	21.79
	16QAM	1	0	21.97	21	21.27
		1	49	21.73	21.52	21.44
		1	99	21.74	21.82	21.43
		50	0	20.91	20.71	21
		50	25	20.93	20.82	20.84
		50	50	20.86	20.8	20.85
		100	0	20.9	20.62	20.86

7.1.3. LTE Band 5

Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				20407	20525	20643
				Freq. (MHz)		
				824.70	836.50	848.30
1.4	QPSK	1	0	22.47	22.48	22.77
		1	2	22.58	22.58	22.98
		1	5	22.50	22.72	22.84
		3	0	22.50	22.49	22.70
		3	1	22.65	22.53	22.98
		3	3	22.58	22.78	22.84
		6	0	21.69	21.63	21.76
	16QAM	1	0	21.69	21.74	21.84
		1	2	21.64	21.93	21.74
		1	5	21.65	21.94	21.81
		3	0	21.56	21.55	21.68
		3	1	21.44	21.94	21.61
		3	3	21.64	21.87	21.66
		6	0	20.17	20.62	20.73
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				20415	20525	20635
				Freq. (MHz)		
				825.50	836.50	847.50
3	QPSK	1	0	22.32	22.45	22.81
		1	8	22.64	22.52	22.71
		1	14	22.58	22.81	22.74
		8	0	21.58	21.75	21.92
		8	4	21.73	21.86	21.91
		8	7	21.65	21.82	21.65
		15	0	21.50	21.64	21.87
	16QAM	1	0	21.45	21.65	21.31
		1	8	21.20	21.23	21.77
		1	14	21.97	21.95	21.12
		8	0	20.19	20.46	20.67
		8	4	20.58	20.74	20.72
		8	7	20.71	21.04	20.87
		15	0	20.55	20.64	20.81
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				20425	20525	20625
				Freq. (MHz)		
				826.50	836.50	846.50
5	QPSK	1	0	22.48	22.58	22.64
		1	12	22.60	22.47	22.73
		1	24	22.65	22.69	22.69

		12	0	21.68	21.70	21.69
		12	6	21.69	21.70	21.62
		12	13	21.57	21.85	21.91
		25	0	21.56	21.73	21.87
	16QAM	1	0	21.51	21.73	21.34
		1	12	21.43	21.13	21.86
		1	24	22.00	21.71	21.08
		12	0	20.23	20.49	20.70
		12	6	20.55	20.78	20.60
		12	13	20.55	20.85	20.94
		25	0	20.36	20.87	20.66
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.		
				20450	20525	20600
				Freq. (MHz)		
				829.00	836.50	844.00
10	QPSK	1	0	22.37	22.59	22.7
		1	24	22.65	22.55	22.85
		1	49	22.61	22.76	22.78
		25	0	21.55	21.66	21.81
		25	12	21.58	21.8	21.76
		25	25	21.71	21.81	21.76
		50	0	21.59	21.71	21.87
	16QAM	1	0	21.54	21.7	21.36
		1	24	21.35	21.15	21.78
		1	49	21.85	21.84	21.22
		25	0	20.34	20.56	20.68
		25	12	20.62	20.76	20.6
		25	25	20.57	20.97	21.01
		50	0	20.46	20.73	20.76

7.1.4. LTE Band 12

Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				23017	23095	23173
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				699.70	707.50	715.30
1.4	QPSK	1	0	22.70	22.61	22.88
		1	2	22.11	22.60	22.85
		1	5	22.67	22.64	22.61
		3	0	22.83	22.55	22.66
		3	1	22.96	22.71	22.84
		3	3	22.70	22.36	22.44
		6	0	21.67	21.97	21.79
	16QAM	1	0	21.65	21.70	21.54
		1	2	21.56	21.58	21.61
		1	5	21.72	21.57	21.63
		3	0	21.85	21.88	21.71
		3	1	21.56	21.79	21.51
		3	3	21.63	21.57	21.60
		6	0	20.90	20.05	20.71
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				23025	23095	23165
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				700.50	707.50	714.50
3	QPSK	1	0	22.62	22.57	22.77
		1	8	22.02	22.75	22.93
		1	14	22.58	22.40	22.62
		8	0	21.82	21.97	21.69
		8	4	21.75	21.69	21.50
		8	7	21.79	21.49	21.67
		15	0	21.71	21.73	21.60
	16QAM	1	0	21.90	21.81	21.33
		1	8	21.21	21.46	21.51
		1	14	21.76	21.46	21.03
		8	0	20.76	20.92	20.69
		8	4	20.81	20.73	20.36
		8	7	20.57	20.64	20.66
		15	0	20.97	20.55	20.49
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				23035	23095	23155
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				701.50	707.50	713.50
5	QPSK	1	0	22.63	22.64	22.84
		1	12	22.82	22.53	22.86
		1	24	22.51	22.60	22.47
		12	0	21.87	21.82	21.64
		12	6	21.74	21.57	21.55
		12	13	21.61	21.53	21.77
		25	0	21.71	21.69	21.74
	16QAM	1	0	21.06	21.71	21.11
		1	12	21.24	21.27	21.77
		1	24	21.76	21.55	21.03
		12	0	20.77	20.95	20.51
		12	6	20.75	20.92	20.46
		12	13	20.67	20.68	20.77
		25	0	20.99	20.59	20.55
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				23060	23095	23130

				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				704.00	707.50	711.00
10	QPSK	1	0	22.71	22.67	22.76
		1	24	22.96	22.65	22.95
		1	49	22.6	22.5	22.54
		25	0	21.76	21.82	21.68
		25	12	21.66	21.72	21.56
		25	25	21.74	21.64	21.62
		50	0	21.81	21.66	21.65
	16QAM	1	0	21.96	21.73	21.2
		1	24	21.36	21.39	21.65
		1	49	21.86	21.48	21.08
		25	0	20.74	20.94	20.55
		25	12	20.86	20.79	20.51
		25	25	20.72	20.59	20.72
		50	0	20.87	20.64	20.53

7.1.5. LTE Band 13

Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				23205	23230	23255
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				779.50	782.00	784.50
5	QPSK	1	0	22.96	23.24	23.00
		1	12	23.25	23.16	23.04
		1	24	23.21	23.19	23.32
		12	0	22.06	21.94	22.08
		12	6	21.97	21.95	22.05
		12	13	22.04	22.24	21.96
		25	0	22.07	22.14	22.27
	16QAM	1	0	22.26	22.23	22.26
		1	12	22.35	22.24	22.19
		1	24	22.13	22.24	22.37
		12	0	20.90	20.87	21.08
		12	6	21.04	21.08	20.85
		12	13	21.06	20.84	21.10
		25	0	21.21	21.02	20.97
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				N/A	23230	N/A
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				N/A	782.00	N/A
10	QPSK	1	0	N/A	23.11	N/A
		1	24	N/A	23.17	N/A
		1	49	N/A	23.23	N/A
		25	0	N/A	22.09	N/A
		25	12	N/A	22.09	N/A
		25	25	N/A	22.09	N/A
		50	0	N/A	22.13	N/A
	16QAM	1	0	N/A	22.29	N/A
		1	24	N/A	22.29	N/A
		1	49	N/A	22.27	N/A
		25	0	N/A	20.97	N/A
		25	12	N/A	21	N/A
		25	25	N/A	20.97	N/A
		50	0	N/A	21.1	N/A

7.1.6. LTE Band 17

Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				23755	23790	23825
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				706.50	710.00	713.50
5	QPSK	1	0	22.67	22.56	22.68
		1	12	22.92	23.14	22.89
		1	24	22.71	22.76	22.70
		12	0	21.64	21.72	21.78
		12	6	21.57	21.56	21.63
		12	13	21.55	21.79	21.76
		25	0	21.70	21.65	21.75
	16QAM	1	0	21.91	21.63	21.73
		1	12	21.34	21.30	21.25
		1	24	21.53	21.62	21.58
		12	0	20.58	20.50	20.69
		12	6	20.61	20.69	20.79
		12	13	20.76	20.79	20.60
		25	0	20.36	20.64	20.58
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				23780	23790	23800
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				709.00	710.00	711.00
10	QPSK	1	0	22.54	22.64	22.57
		1	24	22.89	23.03	22.71
		1	49	22.73	22.64	22.76
		25	0	21.79	21.67	21.64
		25	12	21.75	21.68	21.67
		25	25	21.67	21.67	21.74
		50	0	21.76	21.62	21.6
	16QAM	1	0	21.01	21.77	21.13
		1	24	21.41	21.23	21.66
		1	49	21.88	21.59	21.2
		25	0	20.5	20.57	20.66
		25	12	20.64	20.7	20.57
		25	25	20.65	20.74	20.66
		50	0	20.62	20.49	20.55

7.1.7. LTE Band 66

Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				131979	132322	132665
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				1710.70	1745.00	1779.30
1.4	QPSK	1	0	23.64	23.35	23.61
		1	2	23.60	23.35	23.50
		1	5	23.21	23.43	22.06
		3	0	23.46	23.39	23.52
		3	1	23.35	23.33	23.62
		3	3	23.27	23.47	22.34
		6	0	22.54	22.56	22.13
	16QAM	1	0	22.50	22.62	22.43
		1	2	22.53	22.63	22.45
		1	5	22.41	22.61	22.40
		3	0	22.48	22.27	22.70
		3	1	22.14	22.57	22.30
		3	3	22.47	22.59	21.58
		6	0	21.74	21.44	21.20
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				131987	132322	132657
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				1711.50	1745.00	1778.50
3	QPSK	1	0	23.45	23.54	23.71
		1	8	23.52	23.45	23.41
		1	14	23.32	23.45	22.29
		8	0	22.45	22.41	22.03
		8	4	22.48	22.54	22.27
		8	7	22.60	22.47	22.31
		15	0	22.67	22.37	22.45
	16QAM	1	0	22.52	22.31	22.74
		1	8	22.02	22.41	22.34
		1	14	22.54	22.77	21.42
		8	0	21.59	21.35	21.23
		8	4	21.63	21.42	21.35
		8	7	21.28	21.43	21.22
		15	0	21.45	21.47	21.13
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				131997	132322	132647
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				1712.50	1745.00	1777.50
5	QPSK	1	0	23.50	23.40	23.46
		1	12	23.56	23.38	23.61
		1	24	23.18	23.56	22.10
		12	0	22.55	22.62	22.12
		12	6	22.44	22.46	22.45
		12	13	22.35	22.42	22.25
		25	0	22.47	22.61	22.28
	16QAM	1	0	22.58	22.36	22.74
		1	12	22.10	22.58	22.32
		1	24	22.54	22.84	21.55
		12	0	21.69	21.44	21.01
		12	6	21.48	21.54	21.29
		12	13	21.49	21.51	21.32
		25	0	21.60	21.54	21.13
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				132022	132322	132622

				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				1715.00	1745.00	1775.00
10	QPSK	1	0	23.50	23.52	23.73
		1	24	23.48	23.38	23.65
		1	49	23.39	23.47	22.10
		25	0	22.58	22.50	22.09
		25	12	22.53	22.40	22.40
		25	25	22.63	22.43	22.54
		50	0	22.50	22.66	22.40
	16QAM	1	0	22.54	22.46	22.69
		1	24	22.11	22.40	22.33
		1	49	22.66	22.69	21.37
		25	0	21.84	21.57	21.03
		25	12	21.68	21.56	21.14
		25	25	21.40	21.43	21.25
		50	0	21.57	21.43	21.29
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				132047	132322	132597
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				1717.50	1745.00	1772.50
15	QPSK	1	0	23.66	23.47	23.50
		1	38	23.34	23.45	23.49
		1	74	23.28	23.44	22.24
		36	0	22.40	22.62	22.13
		36	18	22.60	22.65	22.41
		36	37	22.44	22.38	22.30
		75	0	22.40	22.63	22.19
	16QAM	1	0	22.54	22.46	22.67
		1	38	21.96	22.53	22.26
		1	74	22.61	22.54	21.63
		36	0	21.72	21.44	20.98
		36	18	21.63	21.40	21.39
		36	37	21.30	21.60	21.13
		75	0	21.67	21.52	21.22
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.
				132072	132322	132572
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)
				1720.00	1745.00	1770.00
20	QPSK	1	0	23.59	23.42	23.58
		1	49	23.45	23.32	23.52
		1	99	23.29	23.49	22.2
		50	0	22.54	22.5	22.17
		50	25	22.58	22.55	22.31
		50	50	22.5	22.48	22.39
		100	0	22.55	22.51	22.32
	16QAM	1	0	22.53	22.4	22.66
		1	49	22	22.5	22.27
		1	99	22.55	22.69	21.52
		50	0	21.69	21.49	21.09
		50	25	21.61	21.54	21.26
		50	50	21.43	21.46	21.28
		100	0	21.57	21.49	21.23

7.2. PEAK TO AVERAGE RADIO

LIMITS

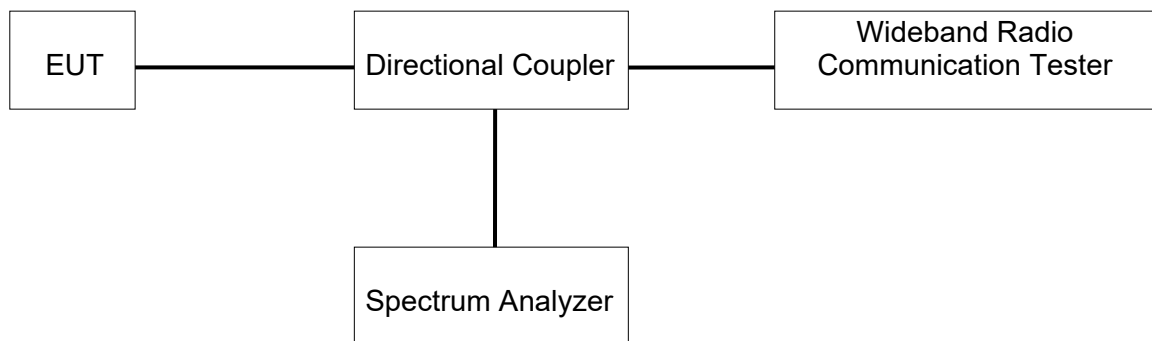
In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

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	22.6°C	Relative Humidity	58.2%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60HZ

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

LIMITS

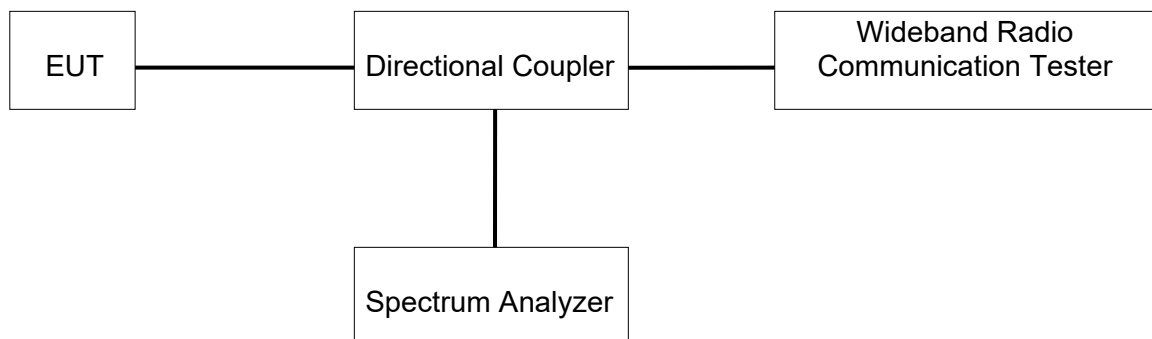
For reporting purposes only.

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	22.6°C	Relative Humidity	58.2%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60HZ

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

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.

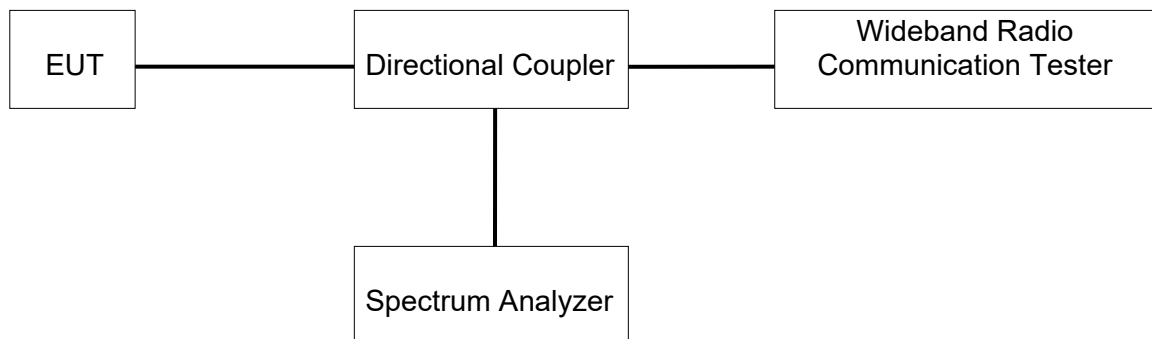
TEST PROCEDURE

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.

- Set the RBW = 1 ~ 5 % of OBW (Typically limited to a minimum RBW of 1% of the OBW)
- Set VBW $\geq 3 \times$ RBW;
- Set span ≥ 1.5 times the OBW;
- Sweep time = Auto;
- Detector = RMS;
- Ensure that the number of measurement points $\geq 2 \times$ Span/RBW;
- Trace mode = Average (100);

TEST SETUP



TEST ENVIRONMENT

Temperature	22.6°C	Relative Humidity	58.2%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60HZ

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

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.

FCC: §27.53

Limit for Band 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.

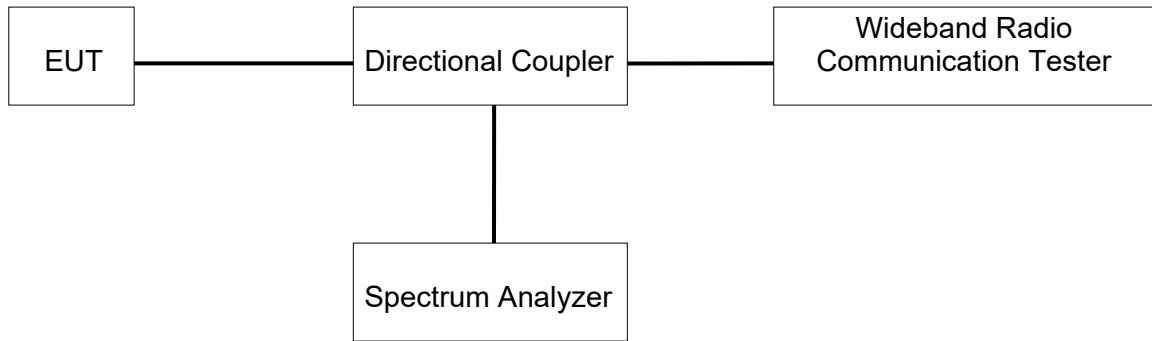
TEST PROCEDURE

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.

- a) 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)
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span ≥ 1.5 times the OBW;
- d) Sweep time = auto couple;
- e) Detector = rms;
- f) Ensure that the number of measurement points 2001 for 30MHz to 1GHz and Max (40001) for above 1GHz;
- g) 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	22.6°C	Relative Humidity	58.2%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60HZ

RESULTS

Please refer to Appendix LTE.

7.6. FREQUENCY STABILITY

RULE PART(S)

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

ISED: RSS-130, RSS-132, RSS-133, RSS-139

LIMITS

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

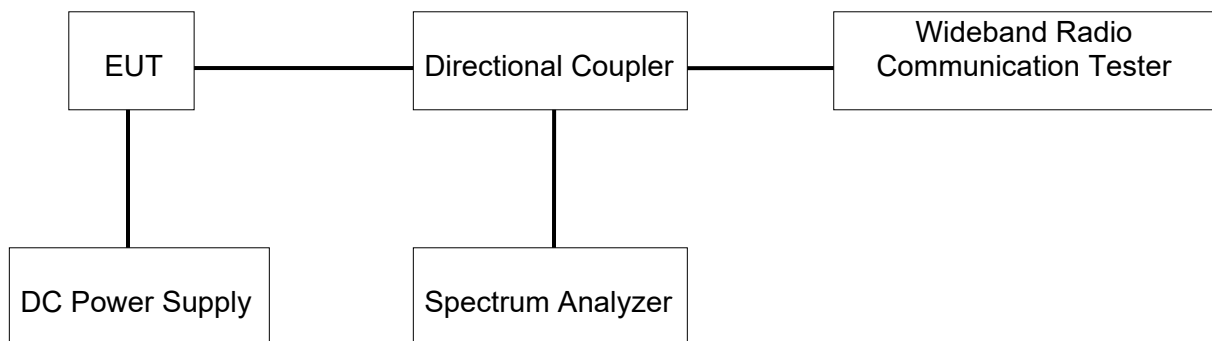
§24.235 and §27.54 - The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

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): 24.5 °C	T _L (Low Temperature): -20 °C
		T _H (High Temperature): 70 °C
Supply Voltage	V _N (Normal Voltage): AC 120V 60HZ	V _L (Low Voltage): AC 102 V
		V _H (High Voltage): AC 138 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 (g), ISSED: RSS-132 LTE (B12)

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)

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)

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.

FCC: §27.53 (g), ISSED: RSS-130 LTE (B17)

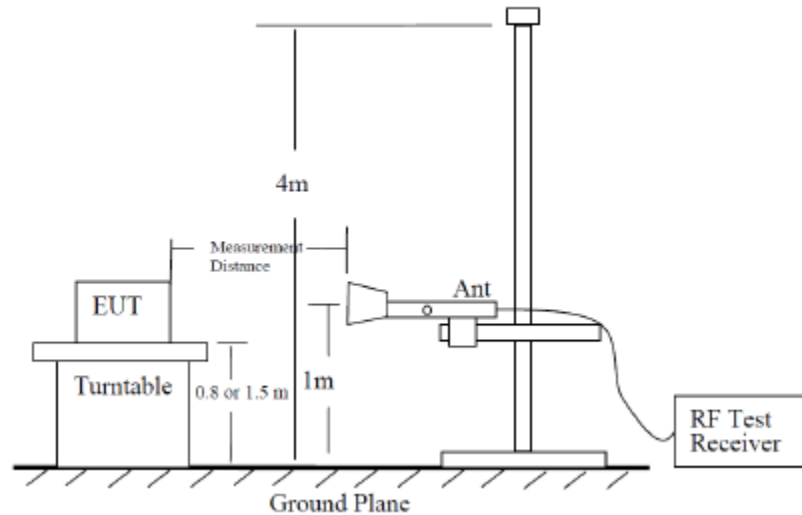
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

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.

For Radiate Spurious Emission (1 GHz ~ 3 GHz):

All bands have been tested, but only the worst data was recorded in the report.



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

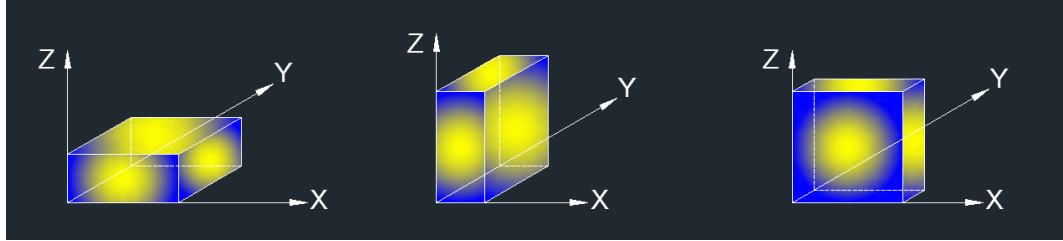
- $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8$, 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:



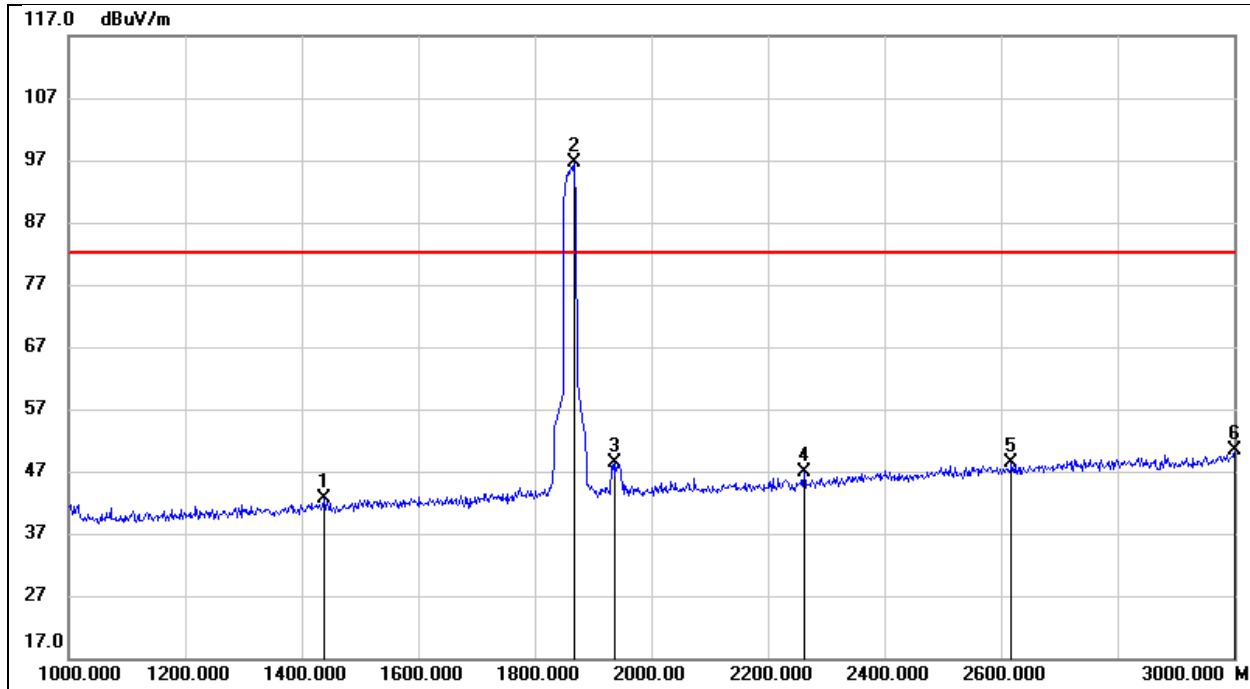
Note: The EUT was investigated in three orthogonal orientations X/Y/Z to determine the worst-case orientation. X orientation is finally determined the worst.

TEST ENVIRONMENT

Temperature	22.8°C	Relative Humidity	62.6%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60HZ

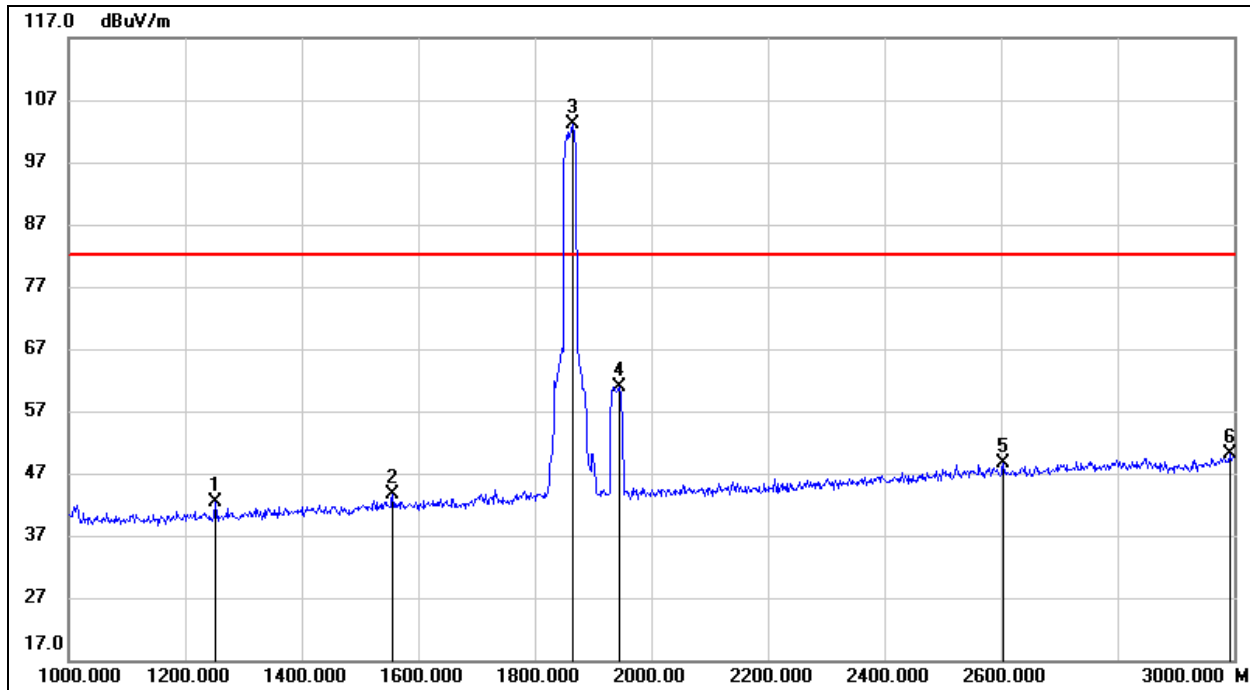
RESULTS

Test Mode:	LTE Band 2	Frequency(MHz):	1860
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



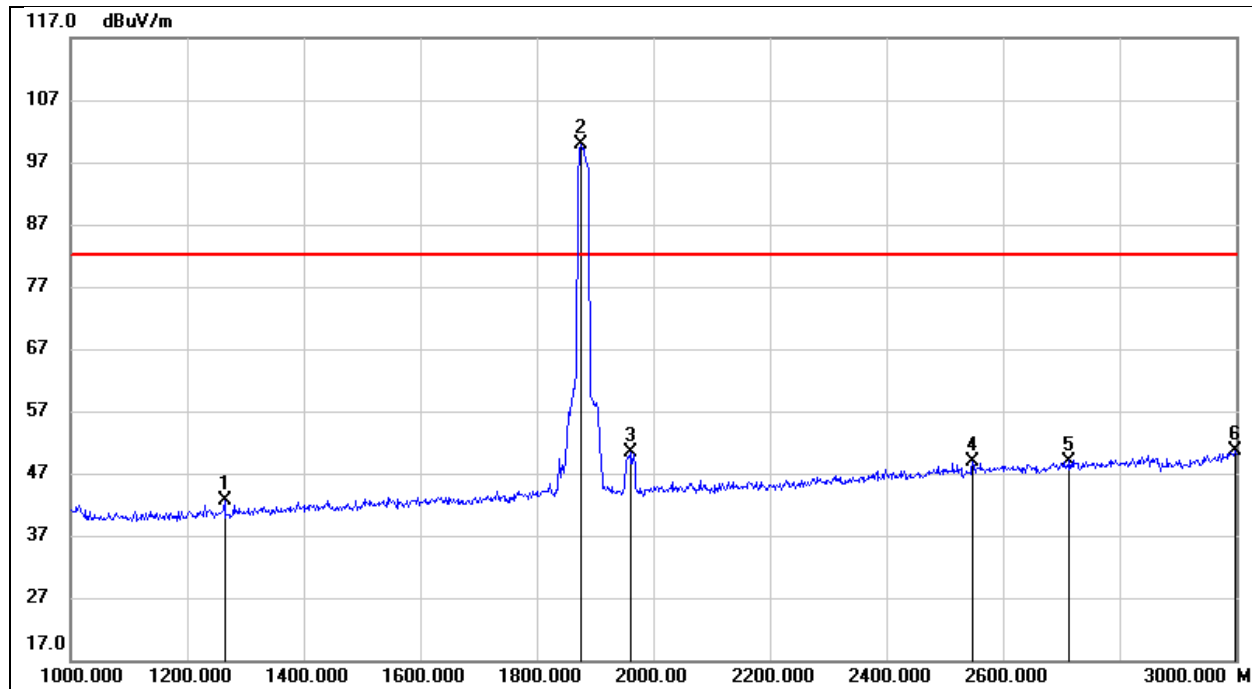
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1438.000	13.76	28.97	42.73	82.25	-39.52	peak
2	1860.000	66.14	30.42	96.56	/	/	Fundamental
3	1938.000	17.70	30.66	48.36	82.25	-33.89	peak
4	2262.000	15.44	31.36	46.80	82.25	-35.45	peak
5	2618.000	15.47	32.82	48.29	82.25	-33.96	peak
6	3000.000	16.26	34.01	50.27	82.25	-31.98	peak

Test Mode:	LTE Band 2	Frequency(MHz):	1860
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



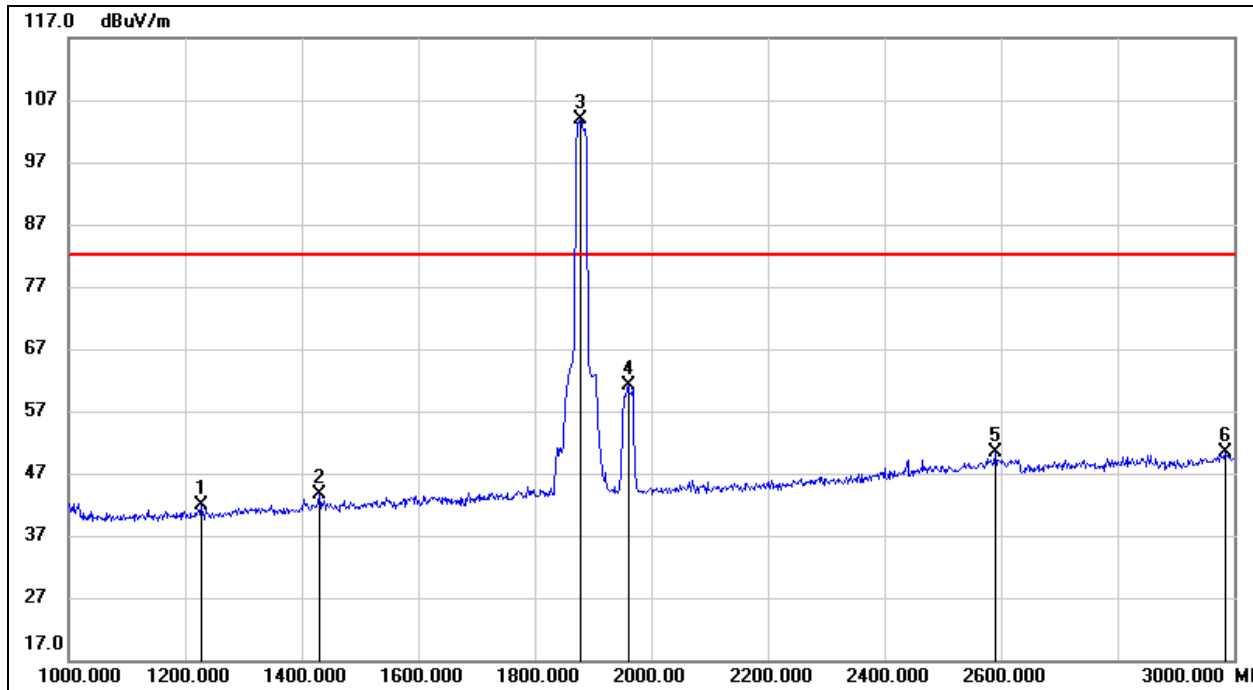
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1252.000	14.22	28.15	42.37	82.25	-39.88	peak
2	1556.000	14.18	29.38	43.56	82.25	-38.69	peak
3	1860.000	72.62	30.41	103.03	/	/	Fundamental
4	1946.000	30.31	30.68	60.99	82.25	-21.26	peak
5	2604.000	15.81	32.77	48.58	82.25	-33.67	peak
6	2992.000	16.03	33.98	50.01	82.25	-32.24	peak

Test Mode:	LTE Band 2	Frequency(MHz):	1880
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



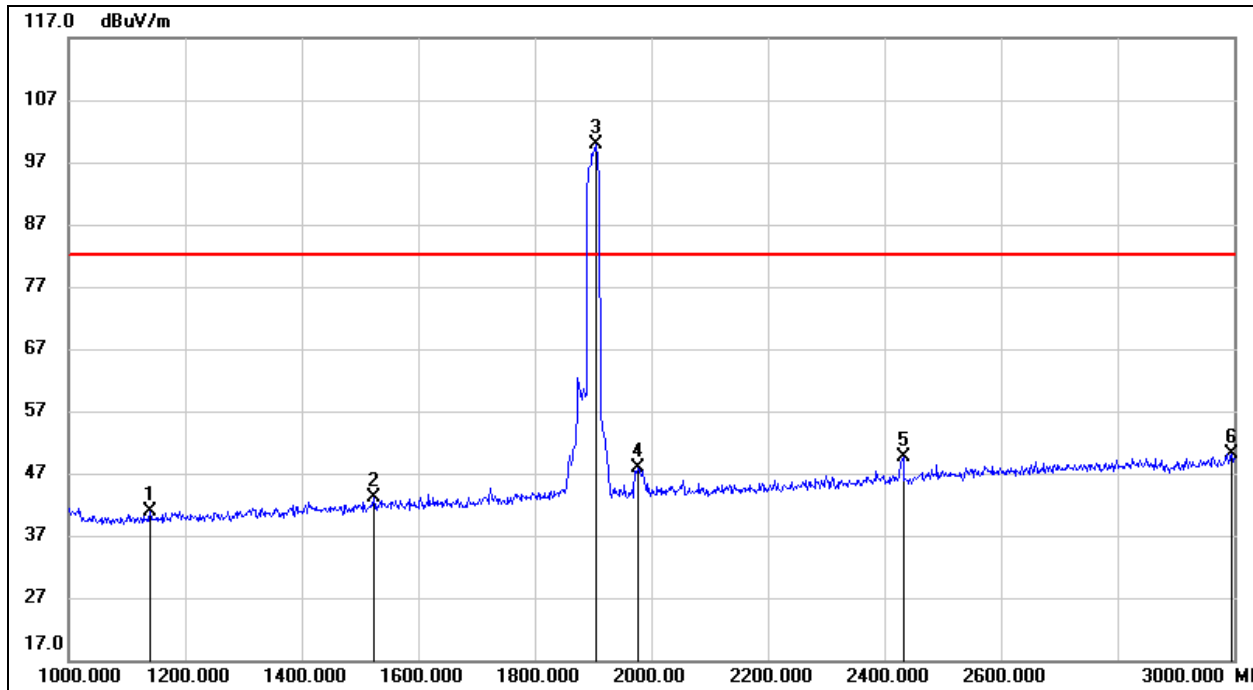
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1264.000	14.39	28.20	42.59	82.25	-39.66	peak
2	1880.000	69.34	30.45	99.79	/	/	Fundamental
3	1960.000	19.52	30.74	50.26	82.25	-31.99	peak
4	2548.000	16.19	32.58	48.77	82.25	-33.48	peak
5	2714.000	15.88	33.12	49.00	82.25	-33.25	peak
6	2998.000	16.73	34.01	50.74	82.25	-31.51	peak

Test Mode:	LTE Band 2	Frequency(MHz):	1880
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



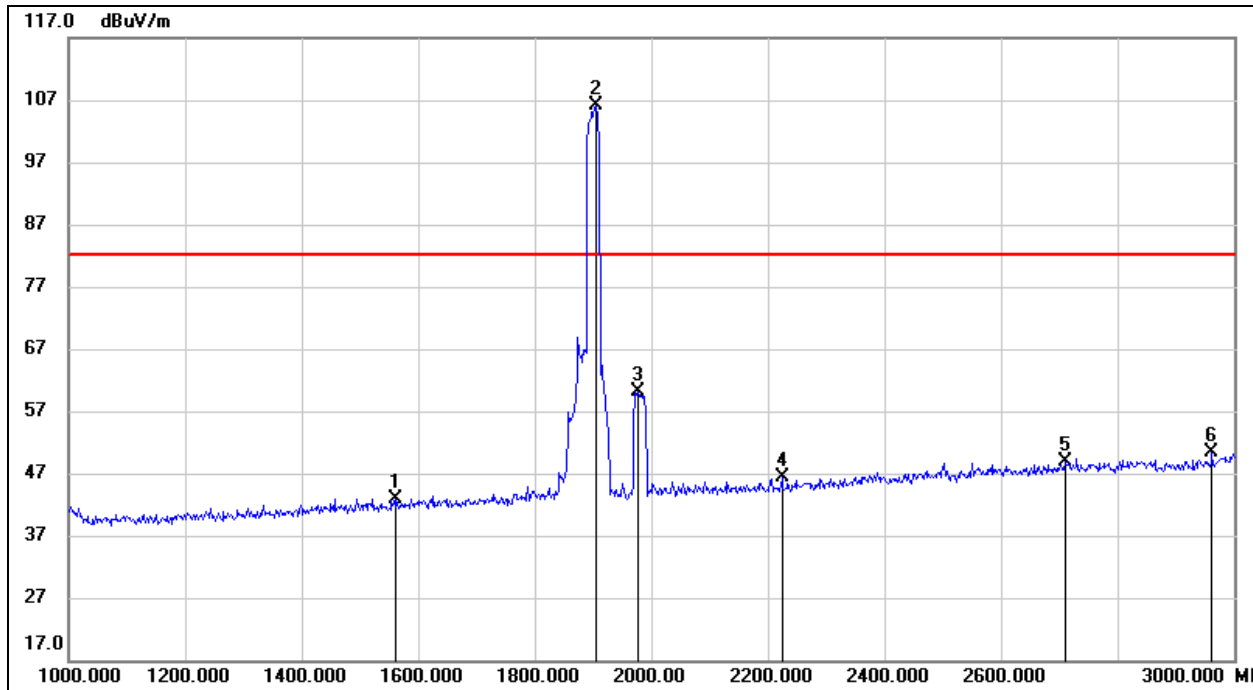
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1228.000	13.90	28.04	41.94	82.25	-40.31	peak
2	1430.000	14.67	28.93	43.60	82.25	-38.65	peak
3	1880.000	73.35	30.45	103.80	/	/	Fundamental
4	1960.000	30.31	30.74	61.05	82.25	-21.20	peak
5	2590.000	17.64	32.73	50.37	82.25	-31.88	peak
6	2984.000	16.31	33.96	50.27	82.25	-31.98	peak

Test Mode:	LTE Band 2	Frequency(MHz):	1900
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



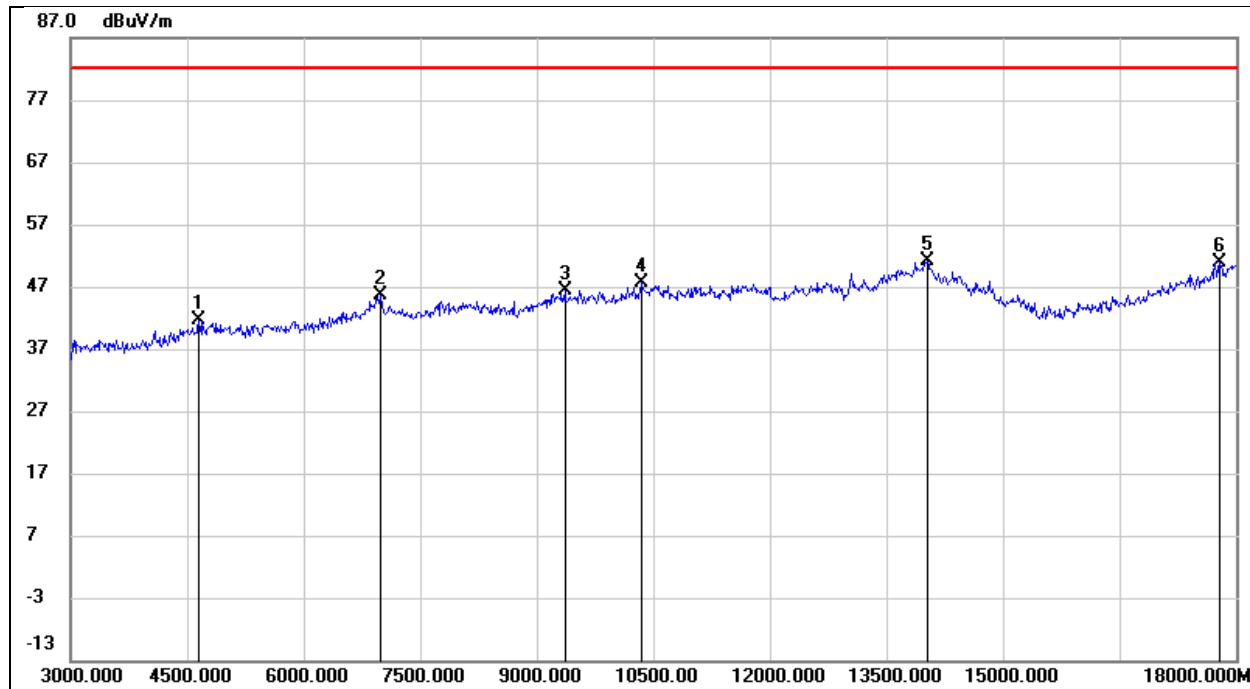
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1140.000	13.32	27.66	40.98	82.25	-41.27	peak
2	1524.000	13.88	29.28	43.16	82.25	-39.09	peak
3	1900.000	69.44	30.55	99.99	/	/	Fundamental
4	1976.000	17.03	30.79	47.82	82.25	-34.43	peak
5	2432.000	17.52	32.16	49.68	82.25	-32.57	peak
6	2996.000	16.16	34.00	50.16	82.25	-32.09	peak

Test Mode:	LTE Band 2	Frequency(MHz):	1900
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



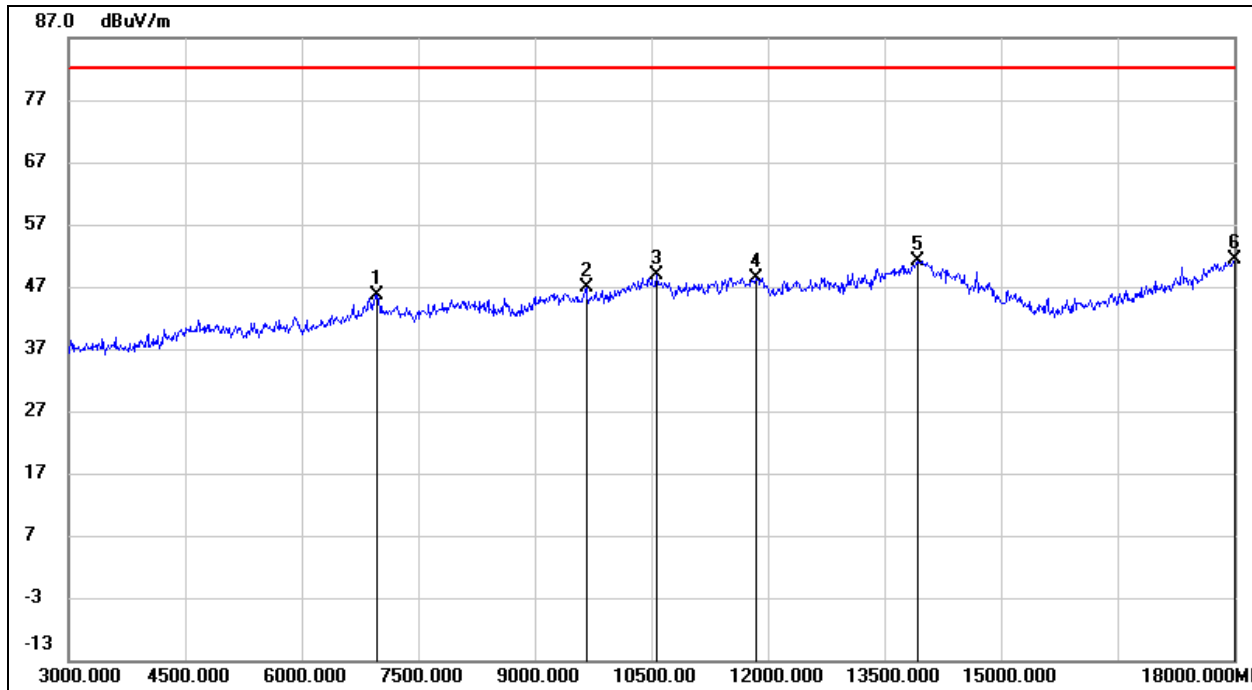
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1562.000	13.60	29.40	43.00	82.25	-39.25	peak
2	1900.000	75.66	30.55	106.21	/	/	Fundamental
3	1978.000	29.40	30.79	60.19	82.25	-22.06	peak
4	2224.000	15.20	31.18	46.38	82.25	-35.87	peak
5	2710.000	15.80	33.10	48.90	82.25	-33.35	peak
6	2962.000	16.37	33.90	50.27	82.25	-31.98	peak

Test Mode:	LTE Band 2	Frequency(MHz):	1860
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



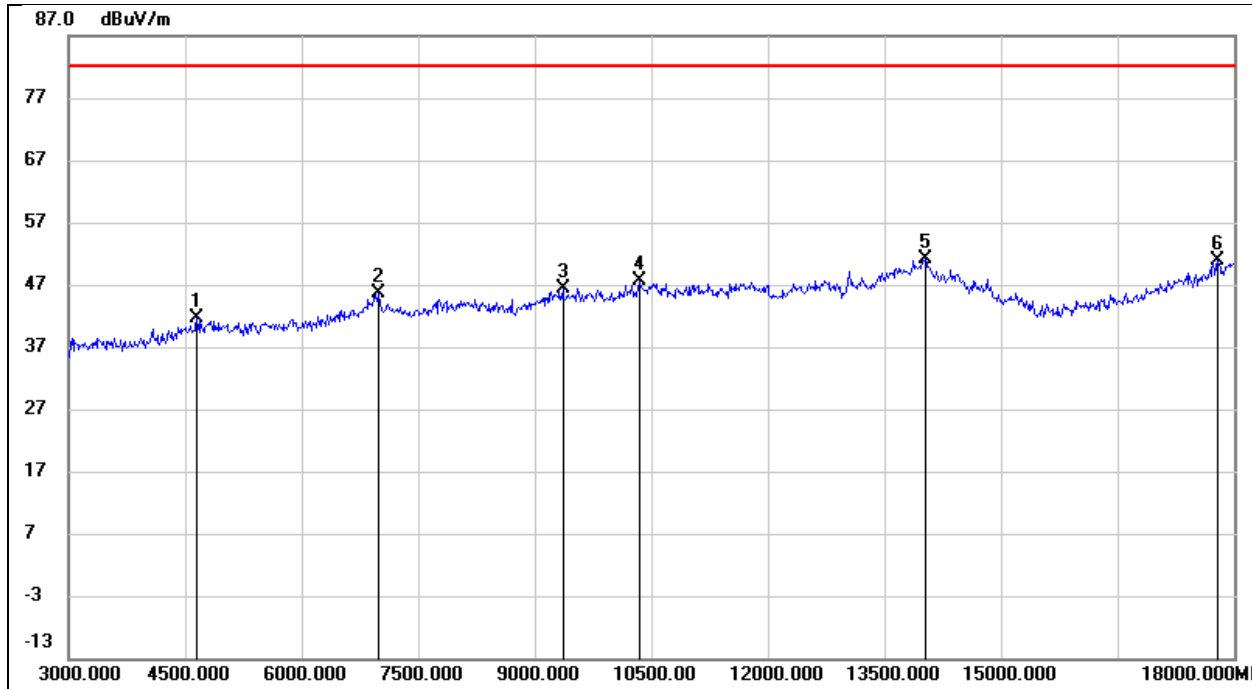
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4650.000	41.87	-0.22	41.65	82.25	-40.60	peak
2	6990.000	39.62	5.97	45.59	82.25	-36.66	peak
3	9360.000	35.72	10.63	46.35	82.25	-35.90	peak
4	10350.000	33.87	13.64	47.51	82.25	-34.74	peak
5	14025.000	27.15	23.92	51.07	82.25	-31.18	peak
6	17790.000	24.32	26.66	50.98	82.25	-31.27	peak

Test Mode:	LTE Band 2	Frequency(MHz):	1860
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



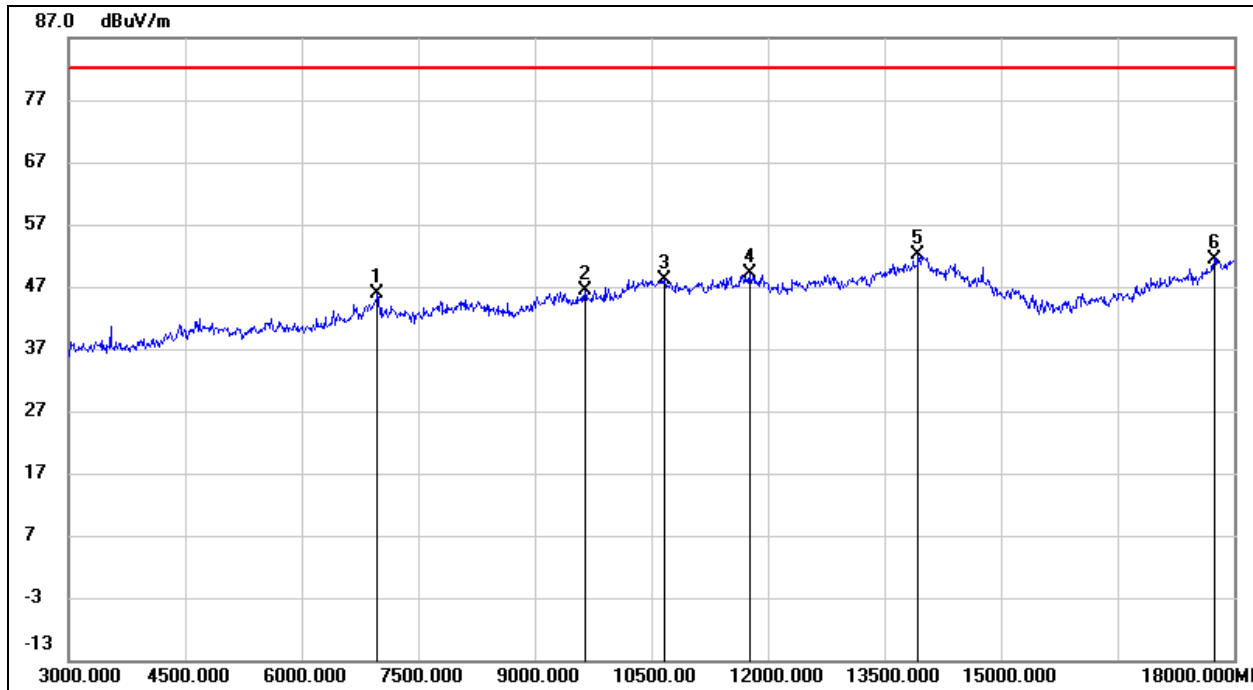
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6975.000	39.80	5.92	45.72	82.25	-36.53	peak
2	9660.000	35.31	11.62	46.93	82.25	-35.32	peak
3	10560.000	34.65	14.20	48.85	82.25	-33.40	peak
4	11850.000	30.58	17.88	48.46	82.25	-33.79	peak
5	13935.000	27.38	23.81	51.19	82.25	-31.06	peak
6	18000.000	23.42	27.98	51.40	82.25	-30.85	peak

Test Mode:	LTE Band 2	Frequency(MHz):	1880
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



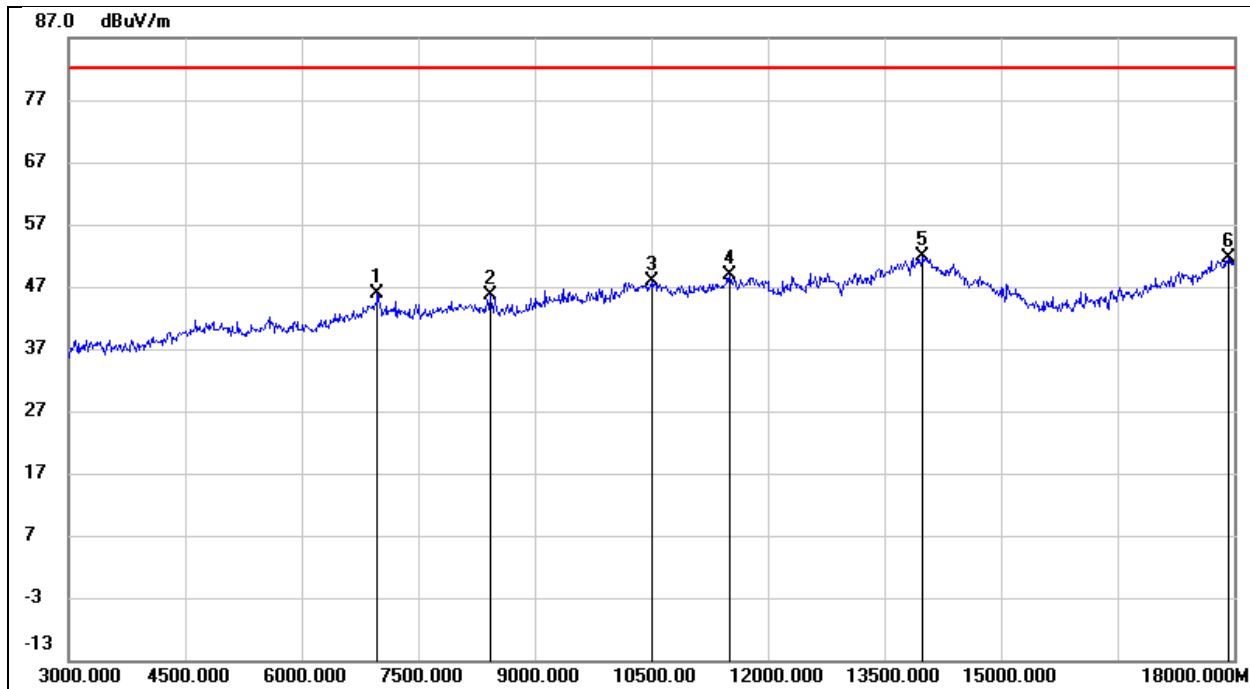
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6990.000	39.40	5.97	45.37	82.25	-36.88	peak
2	7845.000	37.29	7.58	44.87	82.25	-37.38	peak
3	9510.000	35.70	11.09	46.79	82.25	-35.46	peak
4	11520.000	32.13	16.89	49.02	82.25	-33.23	peak
5	13995.000	28.42	24.04	52.46	82.25	-29.79	peak
6	18000.000	24.44	27.98	52.42	82.25	-29.83	peak

Test Mode:	LTE Band 2	Frequency(MHz):	1880
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



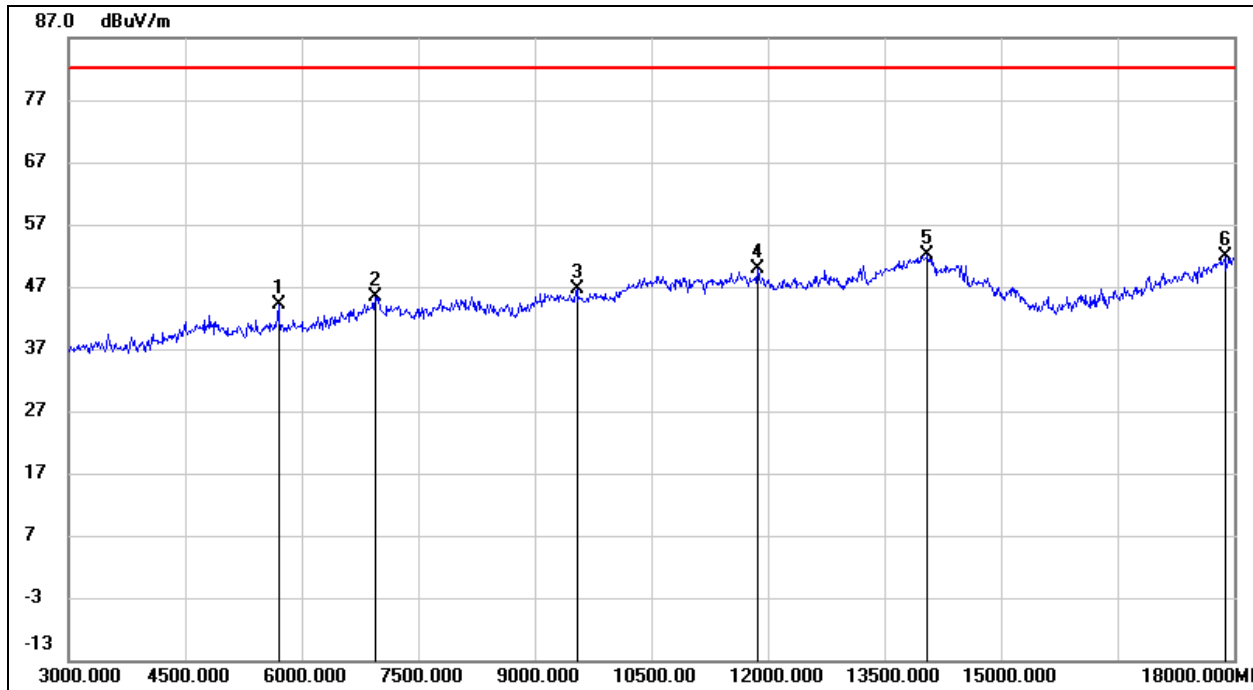
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6975.000	40.00	5.92	45.92	82.25	-36.33	peak
2	9645.000	34.75	11.55	46.30	82.25	-35.95	peak
3	10665.000	33.72	14.49	48.21	82.25	-34.04	peak
4	11760.000	31.40	17.62	49.02	82.25	-33.23	peak
5	13935.000	28.28	23.81	52.09	82.25	-30.16	peak
6	17745.000	25.11	26.39	51.50	82.25	-30.75	peak

Test Mode:	LTE Band 2	Frequency(MHz):	1900
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



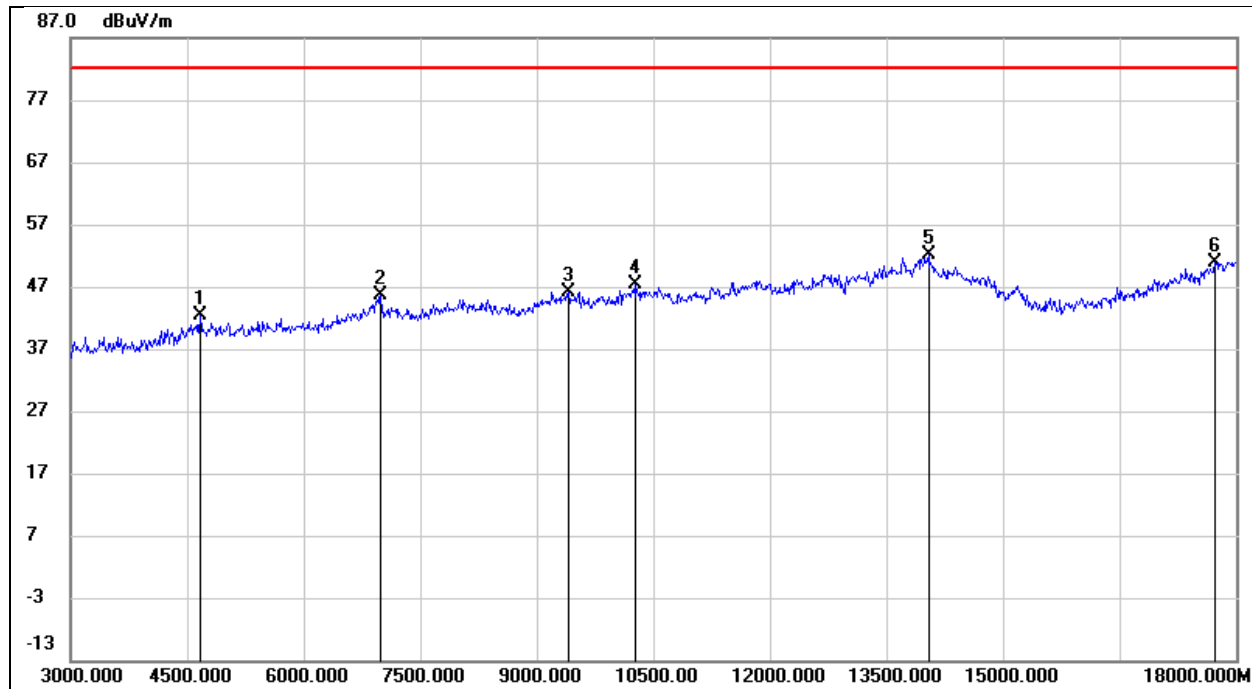
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6975.000	39.91	5.92	45.83	82.25	-36.42	peak
2	8430.000	37.52	8.21	45.73	82.25	-36.52	peak
3	10515.000	33.85	14.08	47.93	82.25	-34.32	peak
4	11505.000	31.96	16.84	48.80	82.25	-33.45	peak
5	13995.000	27.85	24.04	51.89	82.25	-30.36	peak
6	17925.000	24.18	27.50	51.68	82.25	-30.57	peak

Test Mode:	LTE Band 2	Frequency(MHz):	1900
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



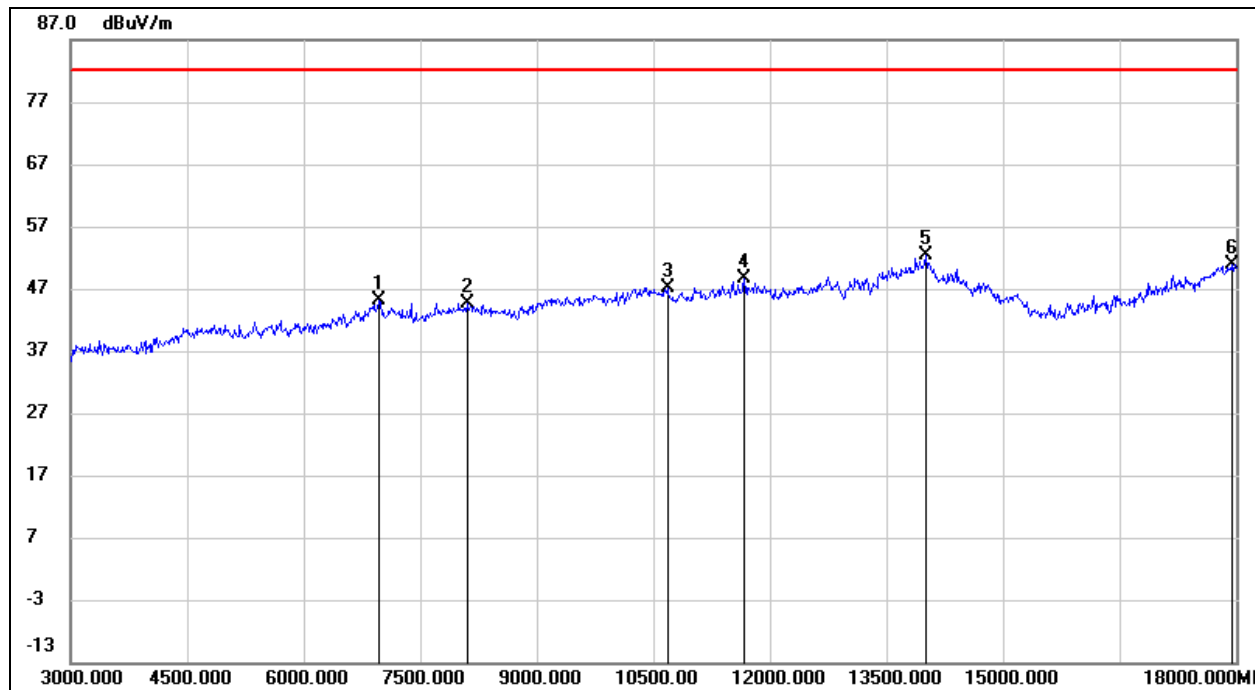
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.000	41.99	2.02	44.01	82.25	-38.24	peak
2	6945.000	39.49	5.82	45.31	82.25	-36.94	peak
3	9540.000	35.48	11.18	46.66	82.25	-35.59	peak
4	11865.000	31.89	17.91	49.80	82.25	-32.45	peak
5	14055.000	28.27	23.74	52.01	82.25	-30.24	peak
6	17880.000	24.67	27.23	51.90	82.25	-30.35	peak

Test Mode:	LTE Band 4	Frequency(MHz):	1720
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



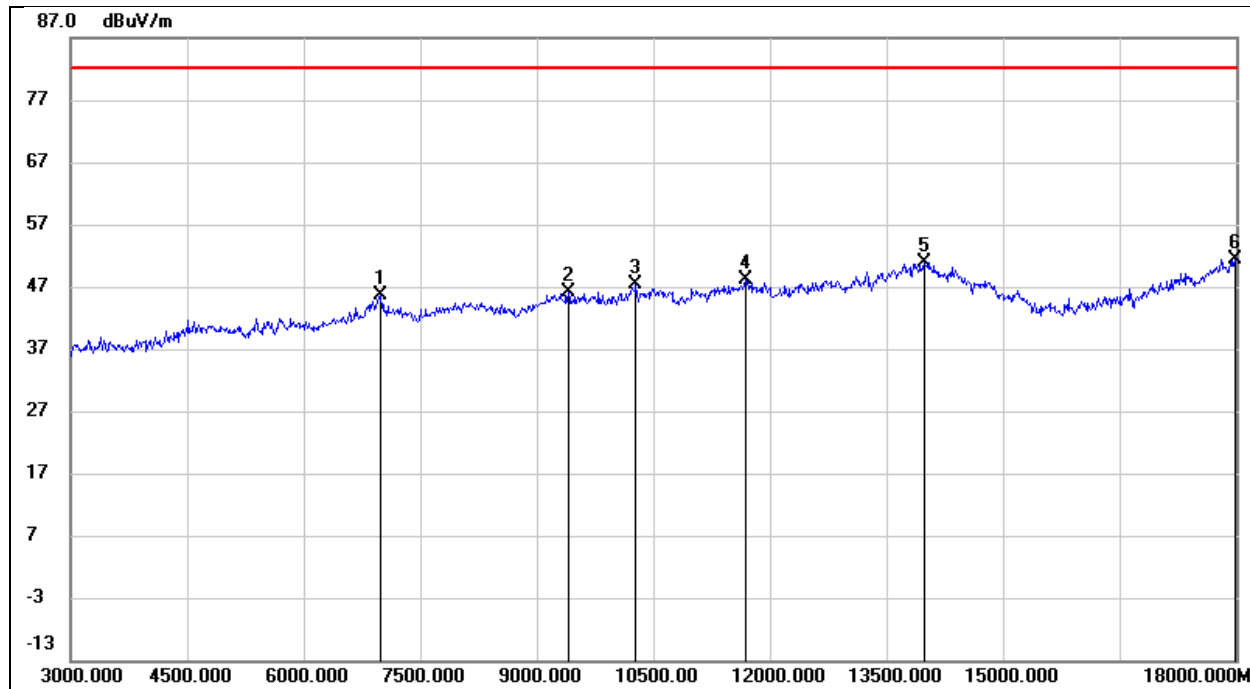
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4665.000	42.45	-0.18	42.27	82.25	-39.98	peak
2	6990.000	39.60	5.97	45.57	82.25	-36.68	peak
3	9405.000	35.27	10.78	46.05	82.25	-36.20	peak
4	10260.000	34.08	13.41	47.49	82.25	-34.76	peak
5	14040.000	28.40	23.83	52.23	82.25	-30.02	peak
6	17730.000	24.63	26.29	50.92	82.25	-31.33	peak

Test Mode:	LTE Band 4	Frequency(MHz):	1720
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



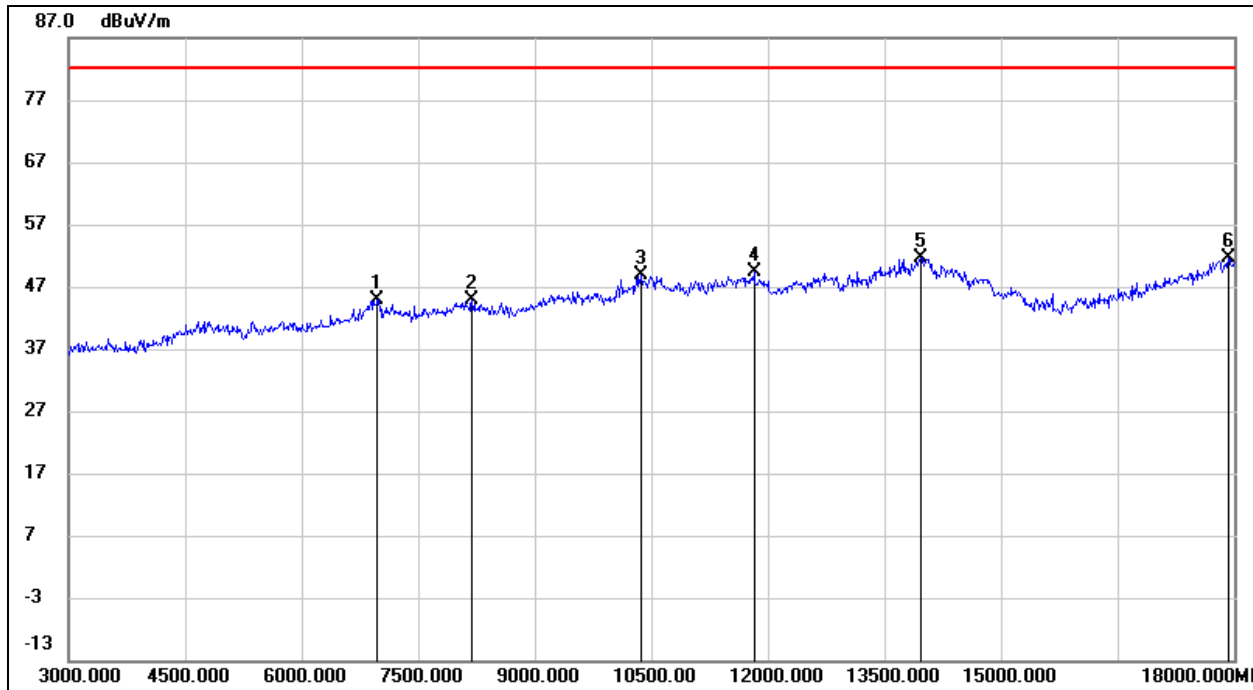
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6975.000	39.24	5.92	45.16	82.25	-37.09	peak
2	8100.000	36.72	8.01	44.73	82.25	-37.52	peak
3	10680.000	32.71	14.53	47.24	82.25	-35.01	peak
4	11670.000	31.18	17.36	48.54	82.25	-33.71	peak
5	14010.000	28.42	24.00	52.42	82.25	-29.83	peak
6	17940.000	23.36	27.61	50.97	82.25	-31.28	peak

Test Mode:	LTE Band 4	Frequency(MHz):	1732.5
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



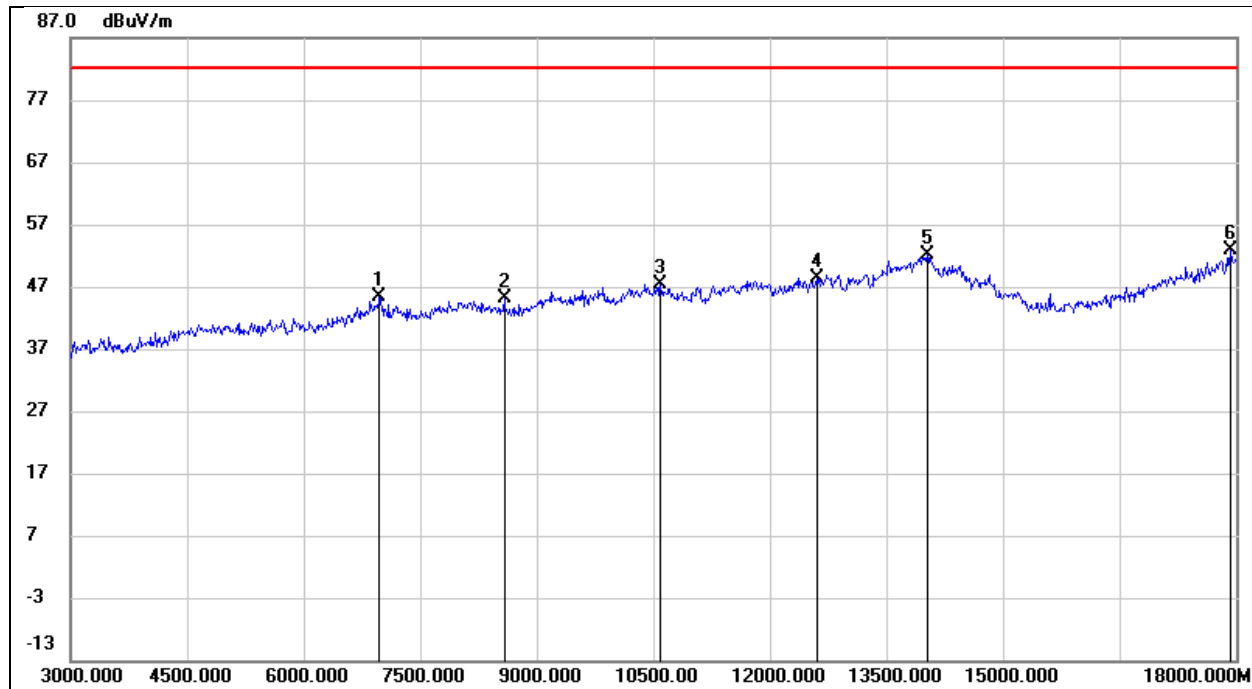
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6990.000	39.61	5.97	45.58	82.25	-36.67	peak
2	9405.000	35.34	10.78	46.12	82.25	-36.13	peak
3	10275.000	33.97	13.45	47.42	82.25	-34.83	peak
4	11685.000	30.65	17.41	48.06	82.25	-34.19	peak
5	13980.000	26.99	23.98	50.97	82.25	-31.28	peak
6	17985.000	23.49	27.88	51.37	82.25	-30.88	peak

Test Mode:	LTE Band 4	Frequency(MHz):	1732.5
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



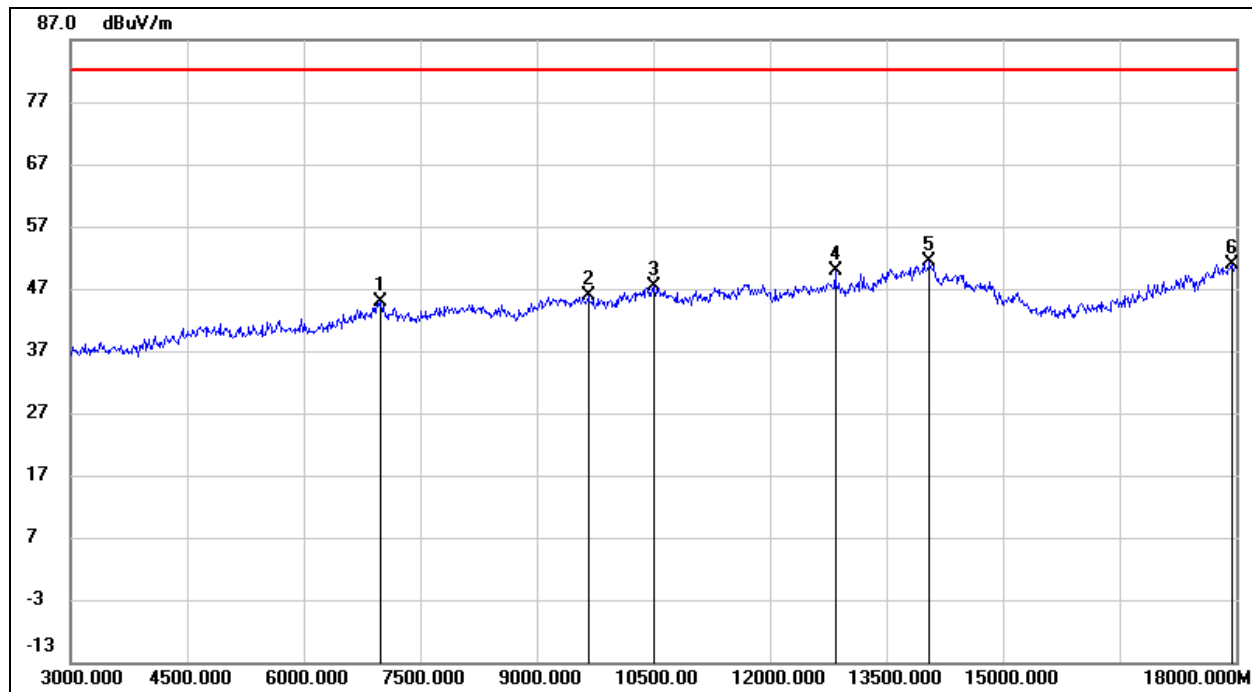
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6975.000	38.92	5.92	44.84	82.25	-37.41	peak
2	8190.000	36.72	8.06	44.78	82.25	-37.47	peak
3	10365.000	35.08	13.68	48.76	82.25	-33.49	peak
4	11820.000	31.47	17.80	49.27	82.25	-32.98	peak
5	13965.000	27.81	23.93	51.74	82.25	-30.51	peak
6	17925.000	24.03	27.50	51.53	82.25	-30.72	peak

Test Mode:	LTE Band 4	Frequency(MHz):	1745
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



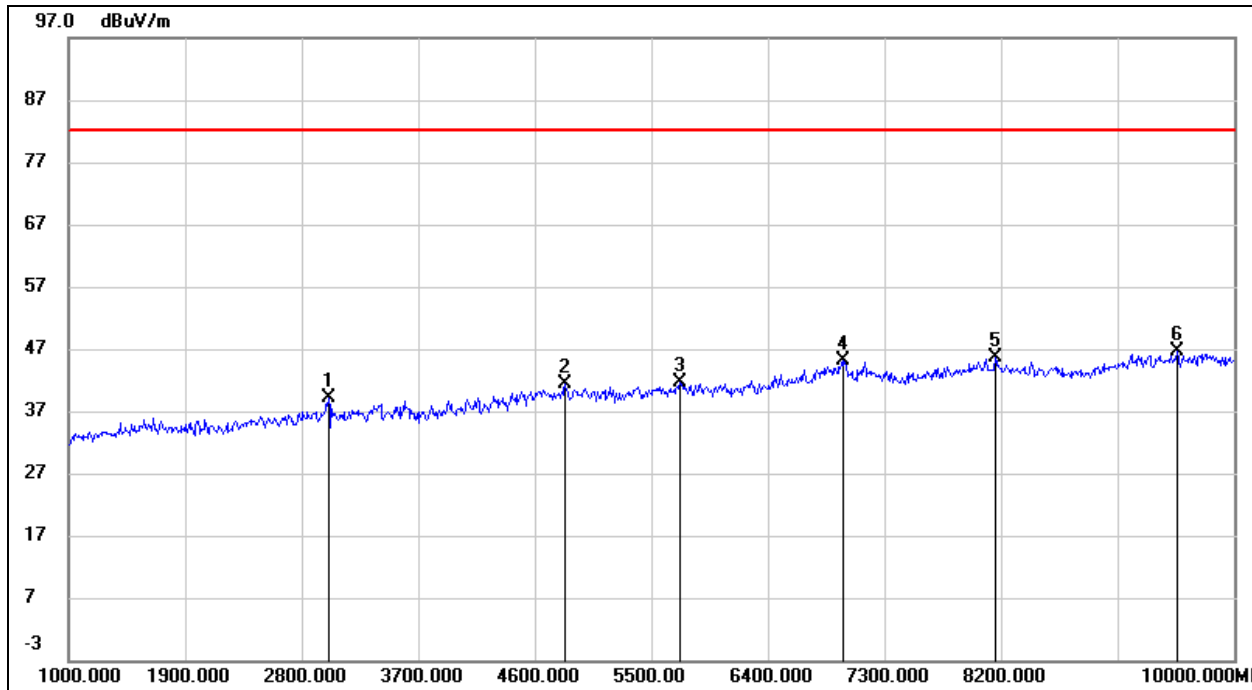
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6975.000	39.56	5.92	45.48	82.25	-36.77	peak
2	8580.000	36.72	8.53	45.25	82.25	-37.00	peak
3	10590.000	33.11	14.27	47.38	82.25	-34.87	peak
4	12600.000	29.16	19.25	48.41	82.25	-33.84	peak
5	14025.000	28.14	23.92	52.06	82.25	-30.19	peak
6	17925.000	25.44	27.50	52.94	82.25	-29.31	peak

Test Mode:	LTE Band 4	Frequency(MHz):	1745
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



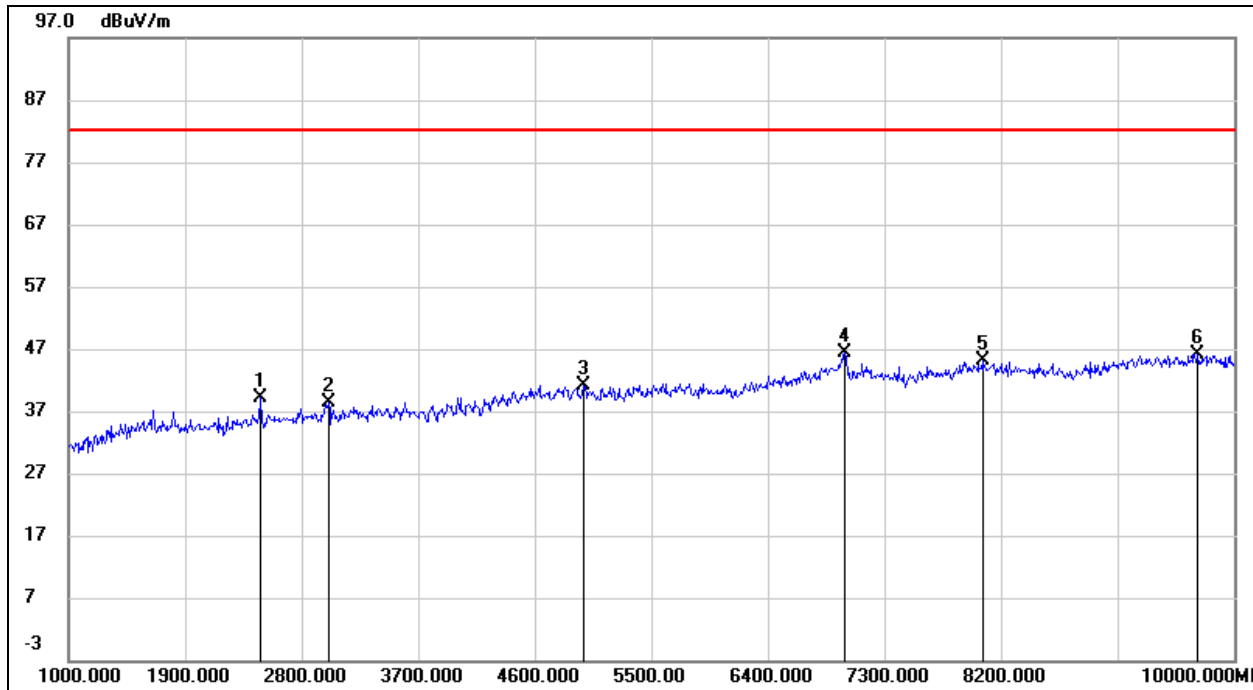
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6990.000	38.88	5.97	44.85	82.25	-37.40	peak
2	9660.000	34.33	11.62	45.95	82.25	-36.30	peak
3	10500.000	33.41	14.04	47.45	82.25	-34.80	peak
4	12840.000	30.47	19.52	49.99	82.25	-32.26	peak
5	14055.000	27.63	23.74	51.37	82.25	-30.88	peak
6	17940.000	23.33	27.61	50.94	82.25	-31.31	peak

Test Mode:	LTE Band 5	Frequency(MHz):	829
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



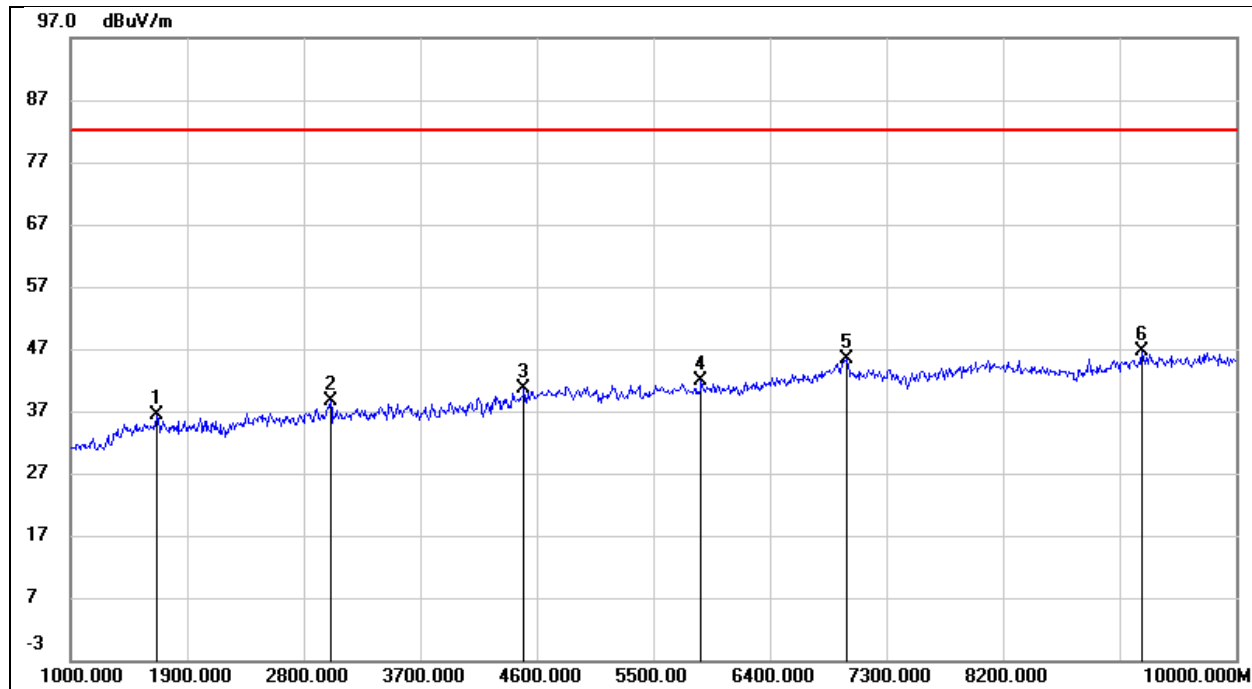
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3007.000	45.25	-6.03	39.22	82.25	-43.03	peak
2	4834.000	41.37	-0.11	41.26	82.25	-40.99	peak
3	5716.000	39.80	1.82	41.62	82.25	-40.63	peak
4	6976.000	39.20	5.83	45.03	82.25	-37.22	peak
5	8155.000	37.65	8.04	45.69	82.25	-36.56	peak
6	9559.000	35.42	11.15	46.57	82.25	-35.68	peak

Test Mode:	LTE Band 5	Frequency(MHz):	829
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



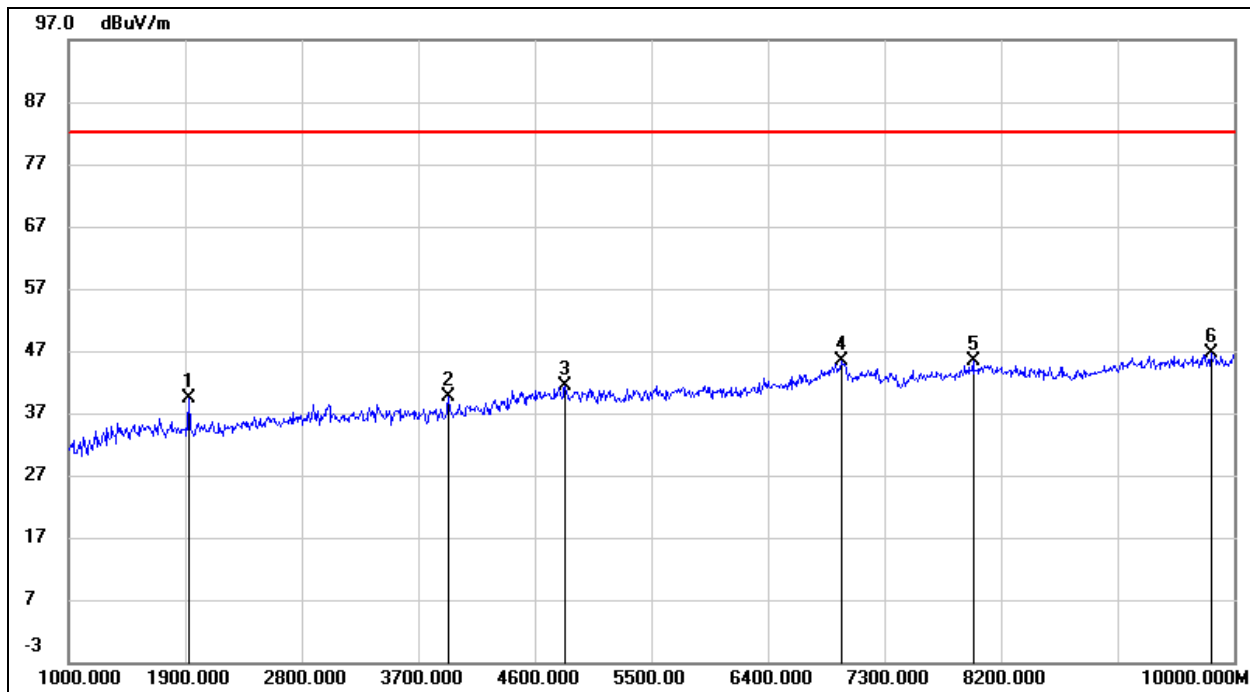
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2485.000	46.87	-7.86	39.01	82.25	-43.24	peak
2	3007.000	44.50	-6.03	38.47	82.25	-43.78	peak
3	4978.000	40.71	0.35	41.06	82.25	-41.19	peak
4	6994.000	40.48	5.90	46.38	82.25	-35.87	peak
5	8056.000	37.03	8.01	45.04	82.25	-37.21	peak
6	9721.000	34.45	11.77	46.22	82.25	-36.03	peak

Test Mode:	LTE Band 5	Frequency(MHz):	836.5
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



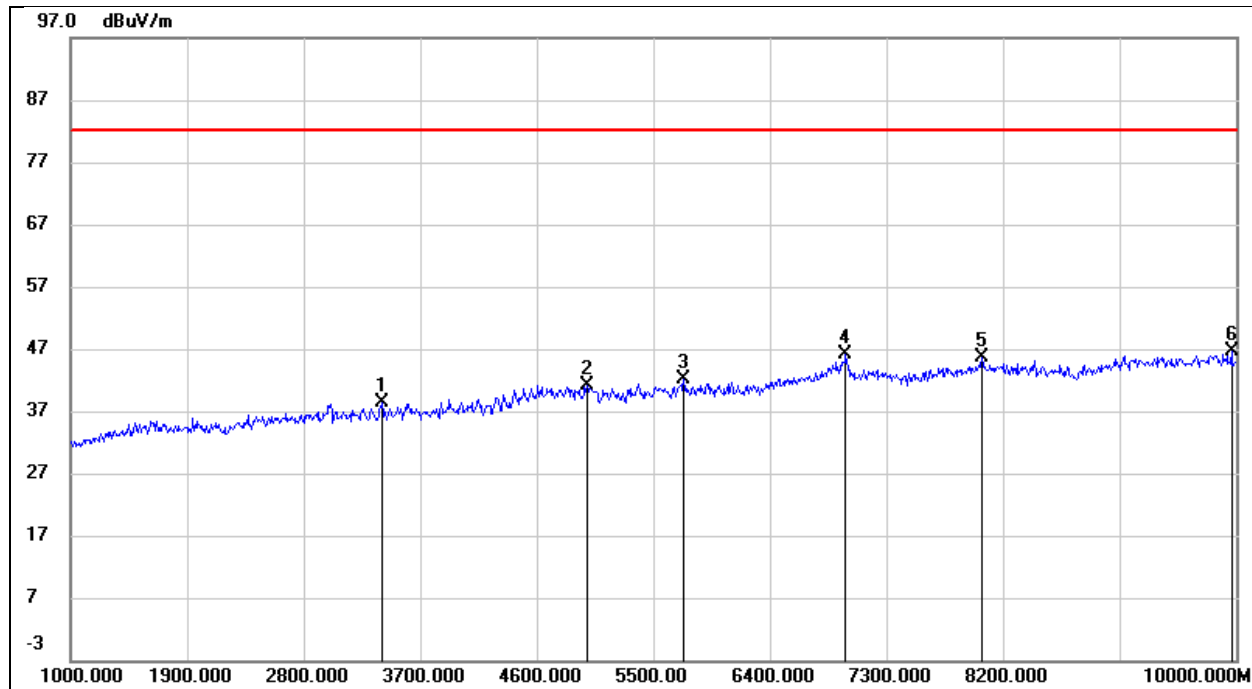
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1666.000	46.52	-10.11	36.41	82.25	-45.84	peak
2	3007.000	44.54	-6.03	38.51	82.25	-43.74	peak
3	4501.000	41.68	-1.10	40.58	82.25	-41.67	peak
4	5869.000	39.68	2.12	41.80	82.25	-40.45	peak
5	6994.000	39.46	5.90	45.36	82.25	-36.89	peak
6	9271.000	36.45	10.21	46.66	82.25	-35.59	peak

Test Mode:	LTE Band 5	Frequency(MHz):	836.5
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



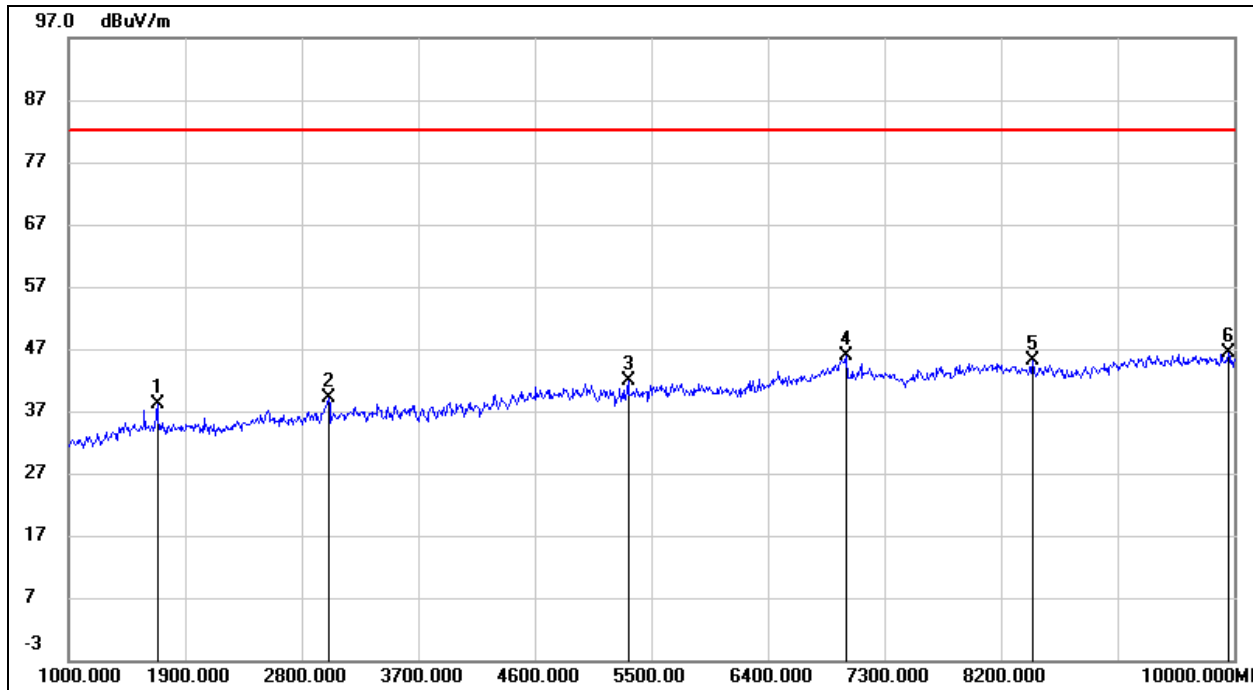
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1927.000	49.18	-9.70	39.48	82.25	-42.77	peak
2	3934.000	43.71	-3.99	39.72	82.25	-42.53	peak
3	4834.000	41.60	-0.11	41.49	82.25	-40.76	peak
4	6967.000	39.63	5.81	45.44	82.25	-36.81	peak
5	7984.000	37.47	7.93	45.40	82.25	-36.85	peak
6	9820.000	34.55	12.12	46.67	82.25	-35.58	peak

Test Mode:	LTE Band 5	Frequency(MHz):	844
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



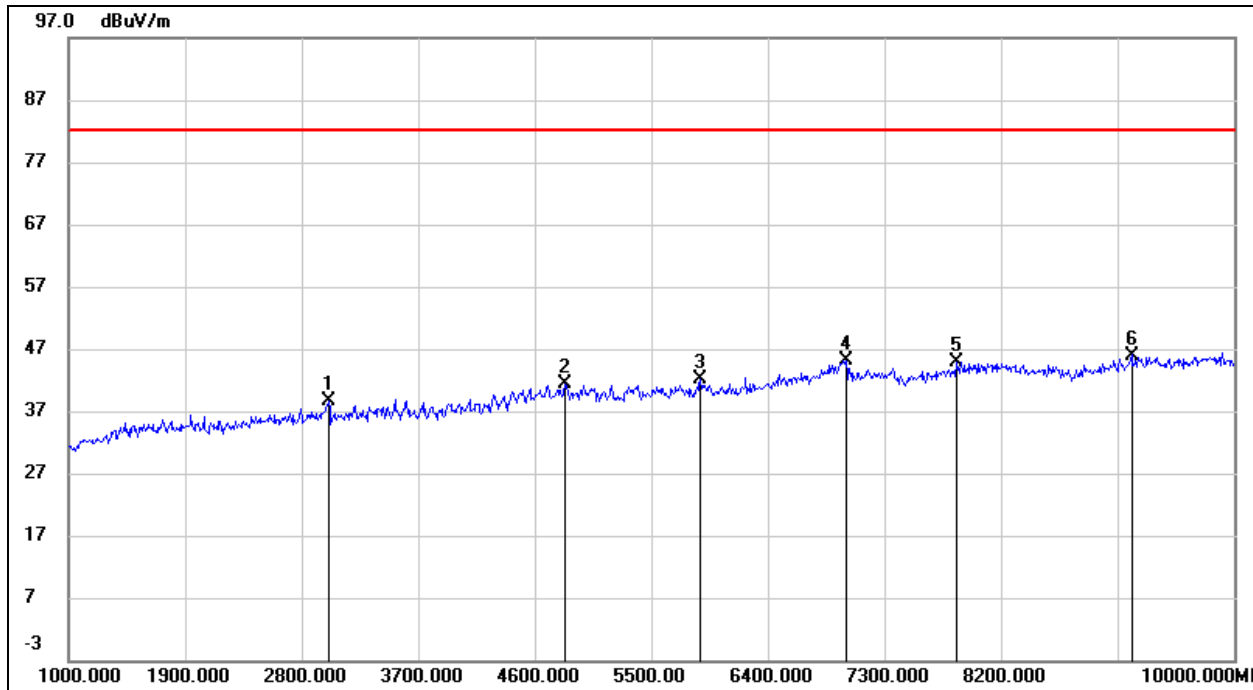
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3403.000	43.26	-4.79	38.47	82.25	-43.78	peak
2	4987.000	40.81	0.38	41.19	82.25	-41.06	peak
3	5734.000	40.38	1.86	42.24	82.25	-40.01	peak
4	6985.000	40.19	5.86	46.05	82.25	-36.20	peak
5	8038.000	37.74	8.00	45.74	82.25	-36.51	peak
6	9964.000	34.15	12.46	46.61	82.25	-35.64	peak

Test Mode:	LTE Band 5	Frequency(MHz):	844
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



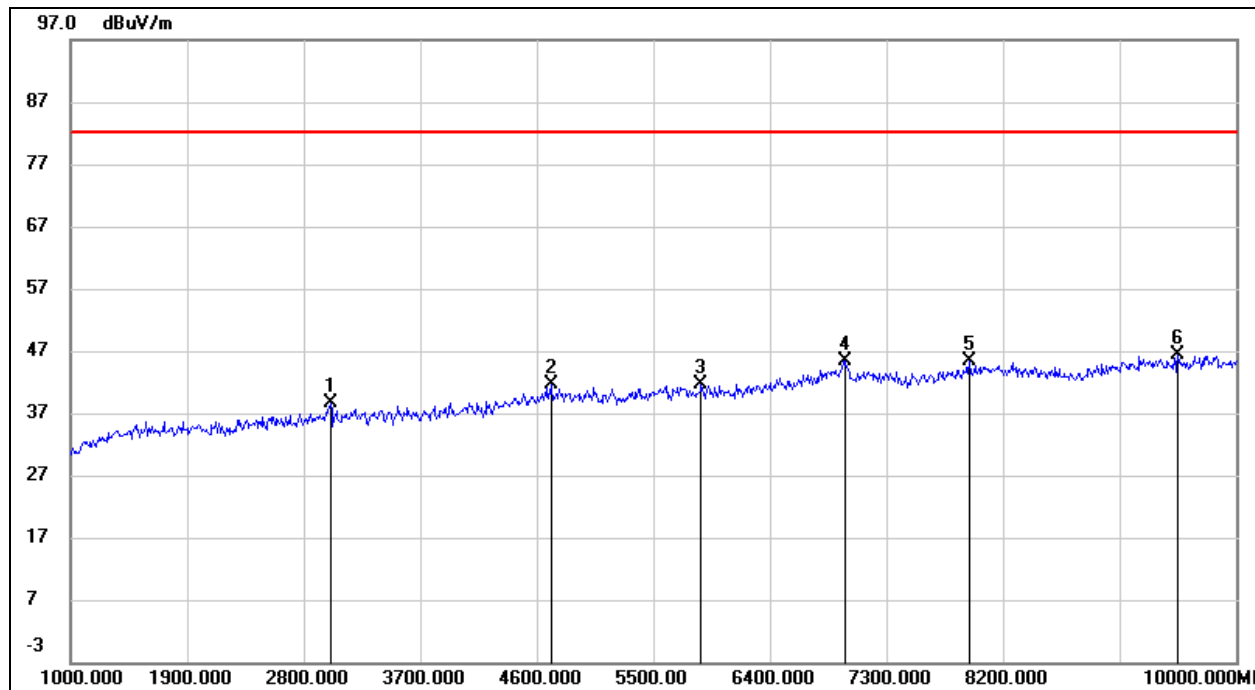
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1684.000	48.29	-10.11	38.18	82.25	-44.07	peak
2	3007.000	45.22	-6.03	39.19	82.25	-43.06	peak
3	5320.000	40.75	1.14	41.89	82.25	-40.36	peak
4	7003.000	39.91	5.93	45.84	82.25	-36.41	peak
5	8443.000	36.86	8.32	45.18	82.25	-37.07	peak
6	9955.000	33.98	12.44	46.42	82.25	-35.83	peak

Test Mode:	LTE Band 12	Frequency(MHz):	704
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



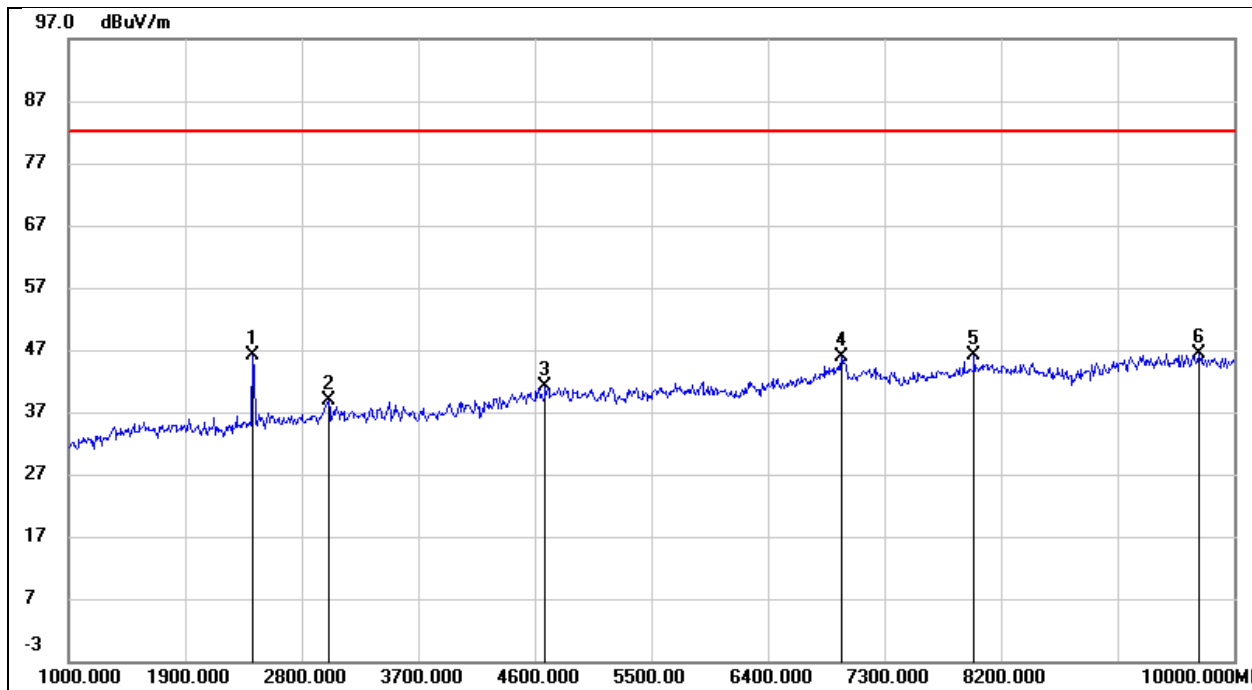
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3007.000	44.72	-6.03	38.69	82.25	-43.56	peak
2	4834.000	41.60	-0.11	41.49	82.25	-40.76	peak
3	5878.000	39.96	2.14	42.10	82.25	-40.15	peak
4	7003.000	39.22	5.93	45.15	82.25	-37.10	peak
5	7858.000	37.43	7.50	44.93	82.25	-37.32	peak
6	9208.000	35.98	10.02	46.00	82.25	-36.25	peak

Test Mode:	LTE Band 12	Frequency(MHz):	704
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



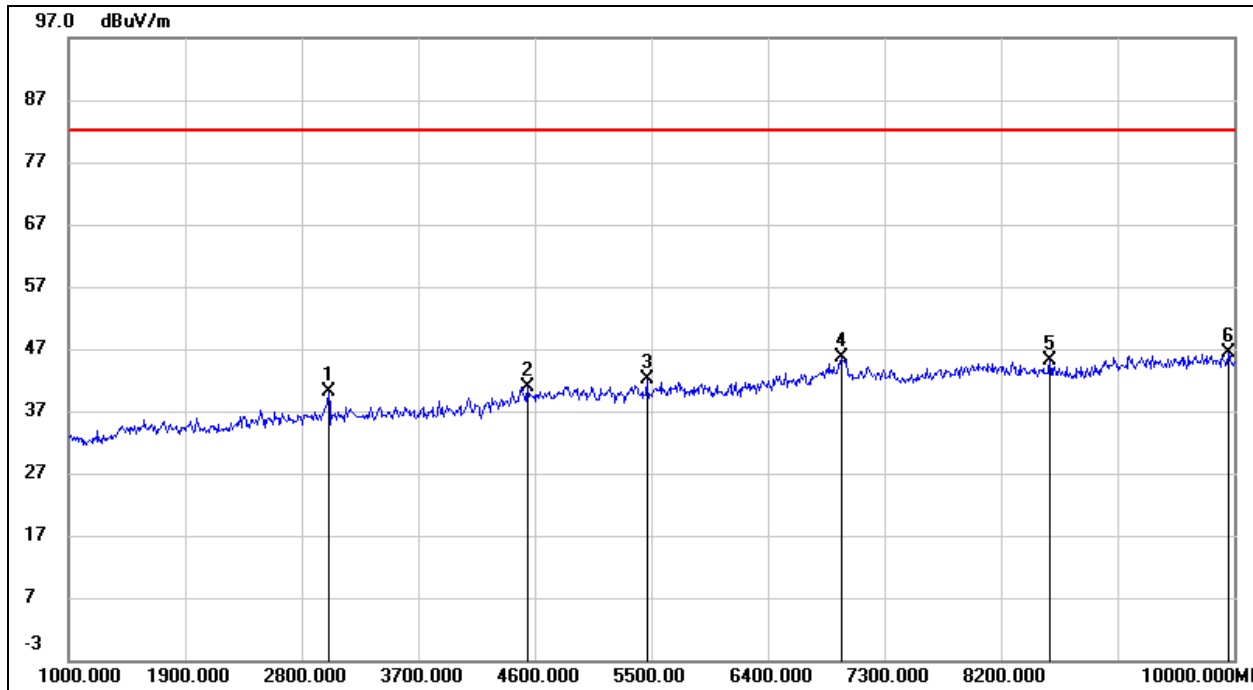
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3007.000	44.75	-6.03	38.72	82.25	-43.53	peak
2	4708.000	42.04	-0.43	41.61	82.25	-40.64	peak
3	5869.000	39.45	2.12	41.57	82.25	-40.68	peak
4	6976.000	39.66	5.83	45.49	82.25	-36.76	peak
5	7939.000	37.55	7.78	45.33	82.25	-36.92	peak
6	9550.000	35.15	11.12	46.27	82.25	-35.98	peak

Test Mode:	LTE Band 12	Frequency(MHz):	707.5
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



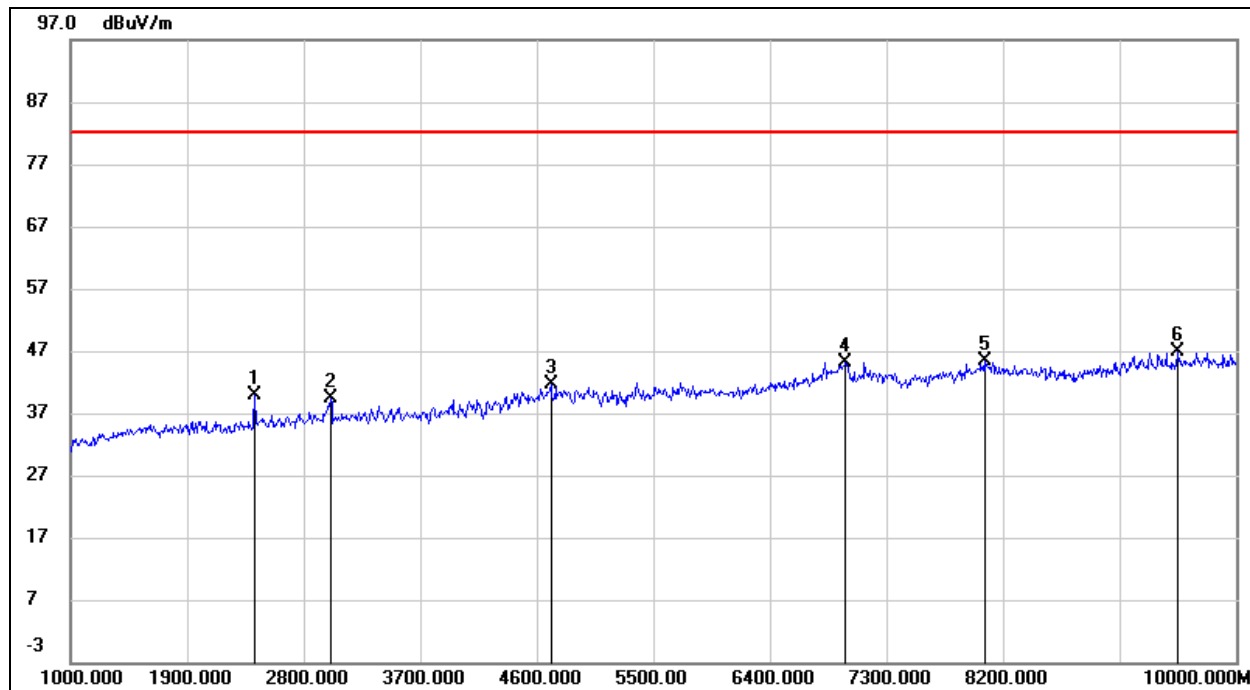
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2422.000	54.36	-8.13	46.23	82.25	-36.02	peak
2	3007.000	44.98	-6.03	38.95	82.25	-43.30	peak
3	4681.000	41.66	-0.49	41.17	82.25	-41.08	peak
4	6967.000	40.12	5.81	45.93	82.25	-36.32	peak
5	7993.000	38.29	7.96	46.25	82.25	-36.00	peak
6	9730.000	34.59	11.80	46.39	82.25	-35.86	peak

Test Mode:	LTE Band 12	Frequency(MHz):	707.5
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



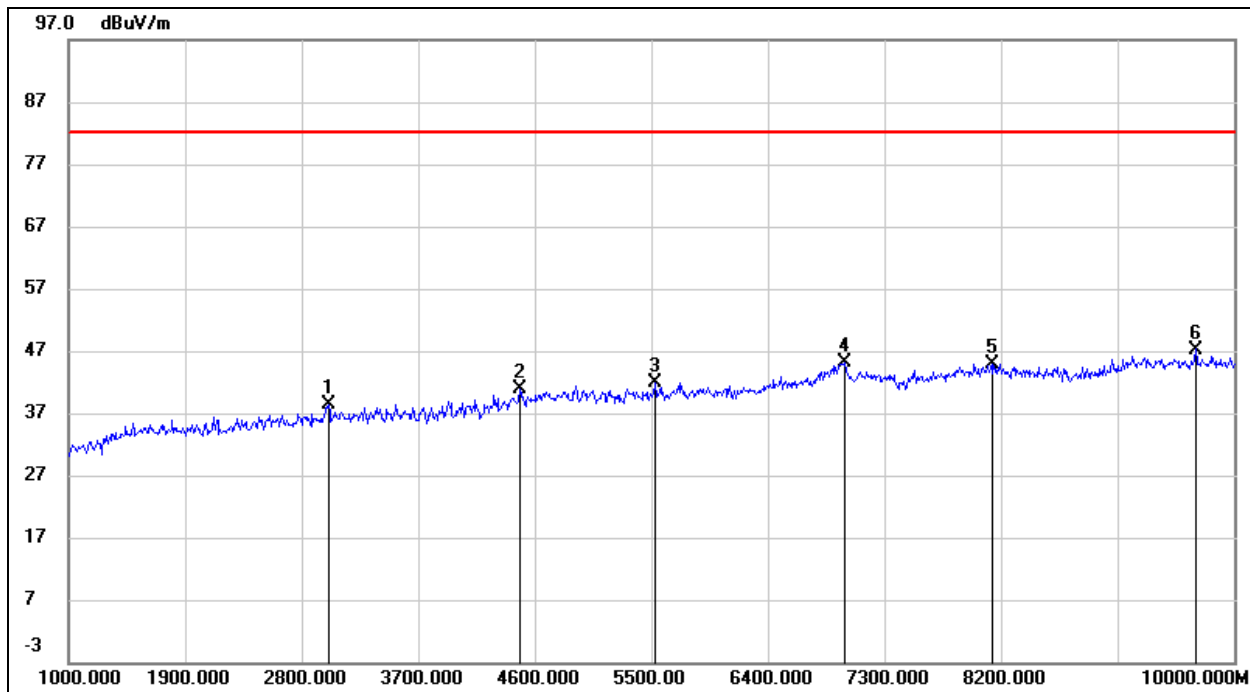
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3007.000	46.05	-6.03	40.02	82.25	-42.23	peak
2	4546.000	41.83	-0.91	40.92	82.25	-41.33	peak
3	5464.000	40.62	1.48	42.10	82.25	-40.15	peak
4	6967.000	39.83	5.81	45.64	82.25	-36.61	peak
5	8578.000	36.47	8.57	45.04	82.25	-37.21	peak
6	9955.000	33.91	12.44	46.35	82.25	-35.90	peak

Test Mode:	LTE Band 12	Frequency(MHz):	711
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



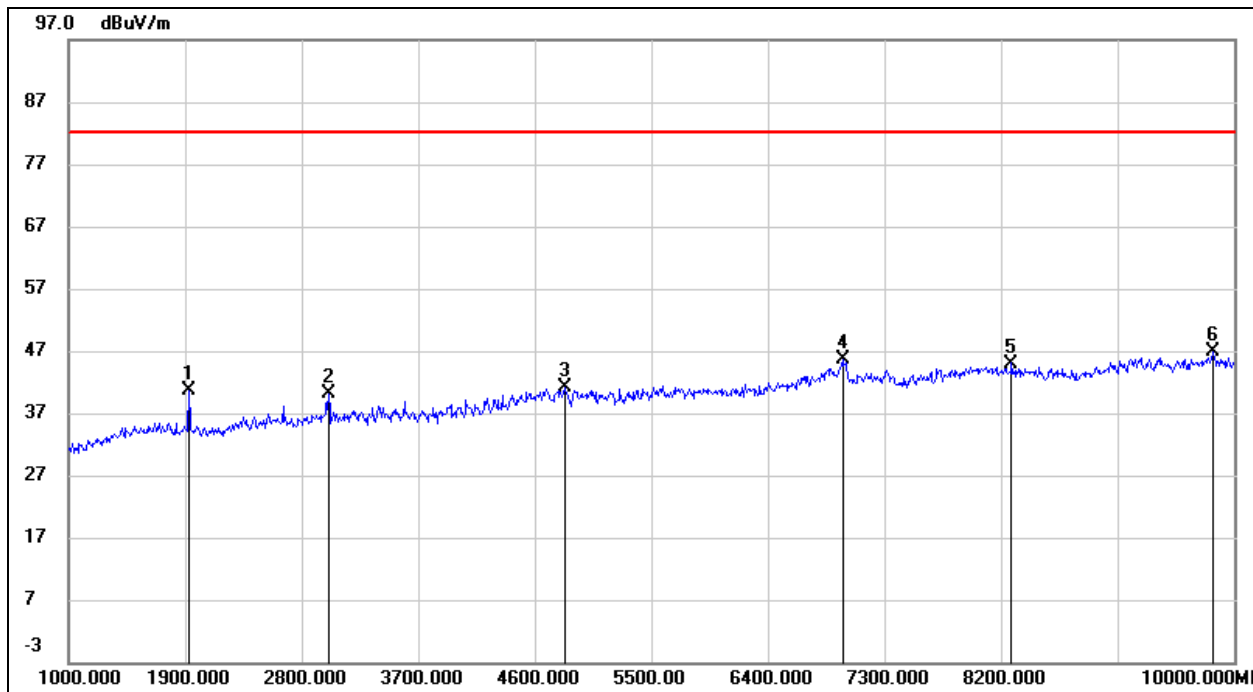
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2422.000	48.08	-8.13	39.95	82.25	-42.30	peak
2	3007.000	45.46	-6.03	39.43	82.25	-42.82	peak
3	4708.000	42.08	-0.43	41.65	82.25	-40.60	peak
4	6985.000	39.28	5.86	45.14	82.25	-37.11	peak
5	8056.000	37.28	8.01	45.29	82.25	-36.96	peak
6	9550.000	35.66	11.12	46.78	82.25	-35.47	peak

Test Mode:	LTE Band 12	Frequency(MHz):	711
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



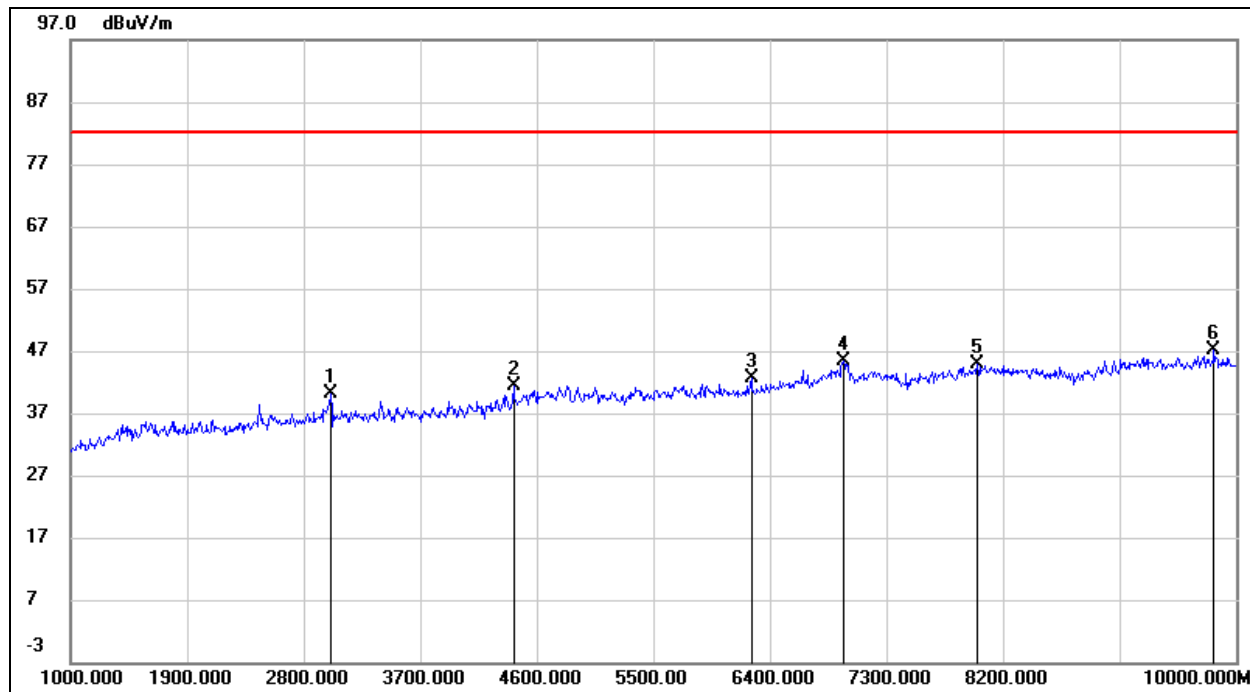
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3007.000	44.31	-6.03	38.28	82.25	-43.97	peak
2	4483.000	42.13	-1.18	40.95	82.25	-41.30	peak
3	5527.000	40.29	1.53	41.82	82.25	-40.43	peak
4	6994.000	39.12	5.90	45.02	82.25	-37.23	peak
5	8128.000	36.93	8.02	44.95	82.25	-37.30	peak
6	9703.000	35.57	11.68	47.25	82.25	-35.00	peak

Test Mode:	LTE Band 13	Frequency(MHz):	782
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



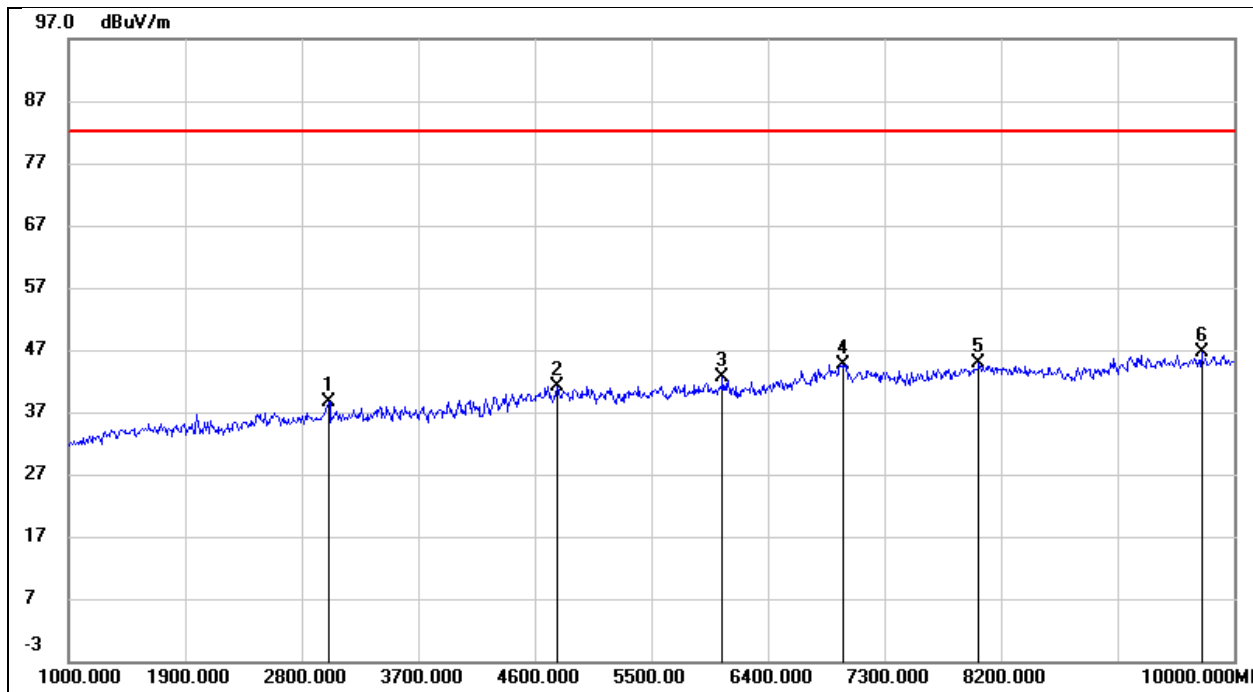
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1927.000	50.23	-9.70	40.53	82.25	-41.72	peak
2	3007.000	46.13	-6.03	40.10	82.25	-42.15	peak
3	4834.000	41.23	-0.11	41.12	82.25	-41.13	peak
4	6976.000	39.76	5.83	45.59	82.25	-36.66	peak
5	8281.000	36.86	8.14	45.00	82.25	-37.25	peak
6	9838.000	34.80	12.16	46.96	82.25	-35.29	peak

Test Mode:	LTE Band 13	Frequency(MHz):	782
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



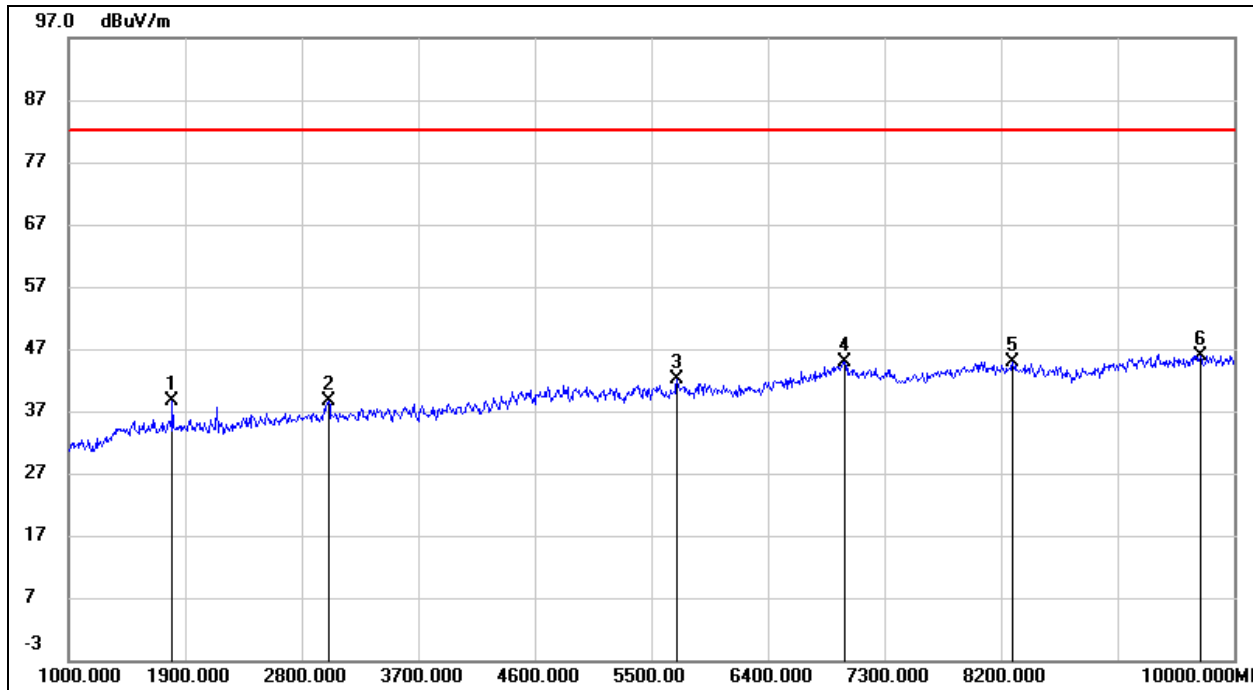
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3007.000	46.17	-6.03	40.14	82.25	-42.11	peak
2	4420.000	42.78	-1.52	41.26	82.25	-40.99	peak
3	6256.000	39.18	3.40	42.58	82.25	-39.67	peak
4	6967.000	39.49	5.81	45.30	82.25	-36.95	peak
5	8002.000	36.94	7.99	44.93	82.25	-37.32	peak
6	9829.000	35.02	12.14	47.16	82.25	-35.09	peak

Test Mode:	LTE Band 17	Frequency(MHz):	709
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



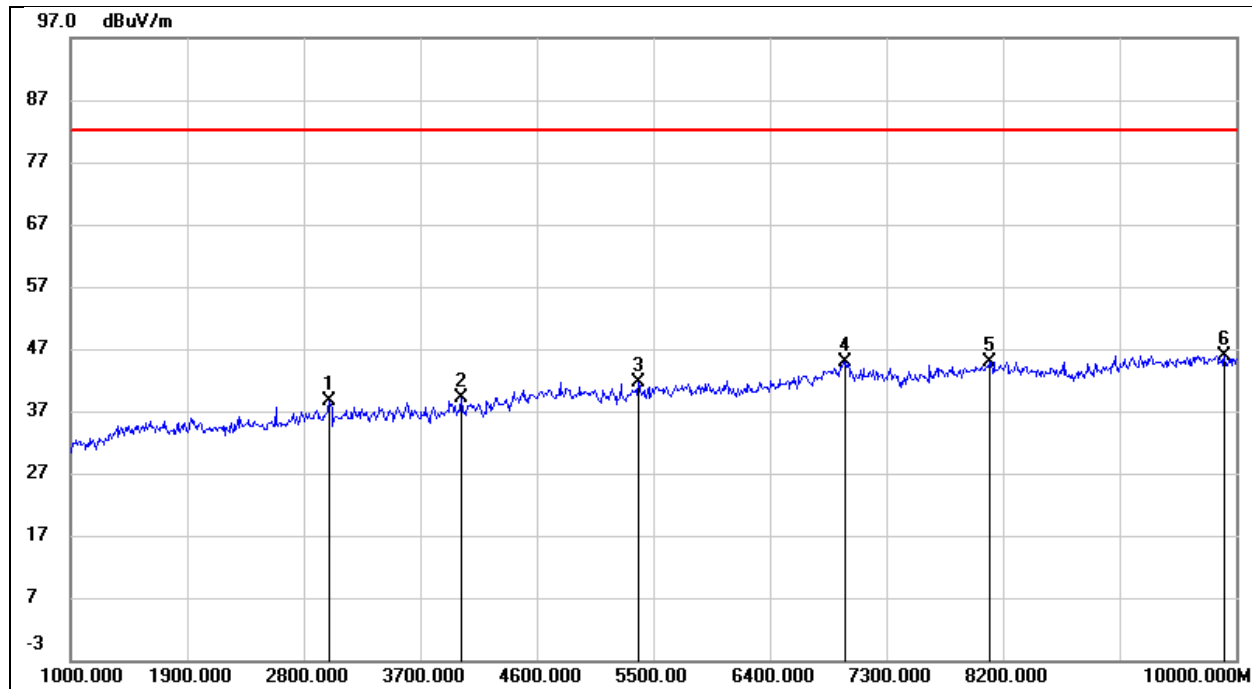
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3007.000	44.71	-6.03	38.68	82.25	-43.57	peak
2	4771.000	41.51	-0.28	41.23	82.25	-41.02	peak
3	6049.000	40.06	2.57	42.63	82.25	-39.62	peak
4	6985.000	38.87	5.86	44.73	82.25	-37.52	peak
5	8029.000	36.80	7.99	44.79	82.25	-37.46	peak
6	9748.000	34.68	11.86	46.54	82.25	-35.71	peak

Test Mode:	LTE Band 13	Frequency(MHz):	709
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



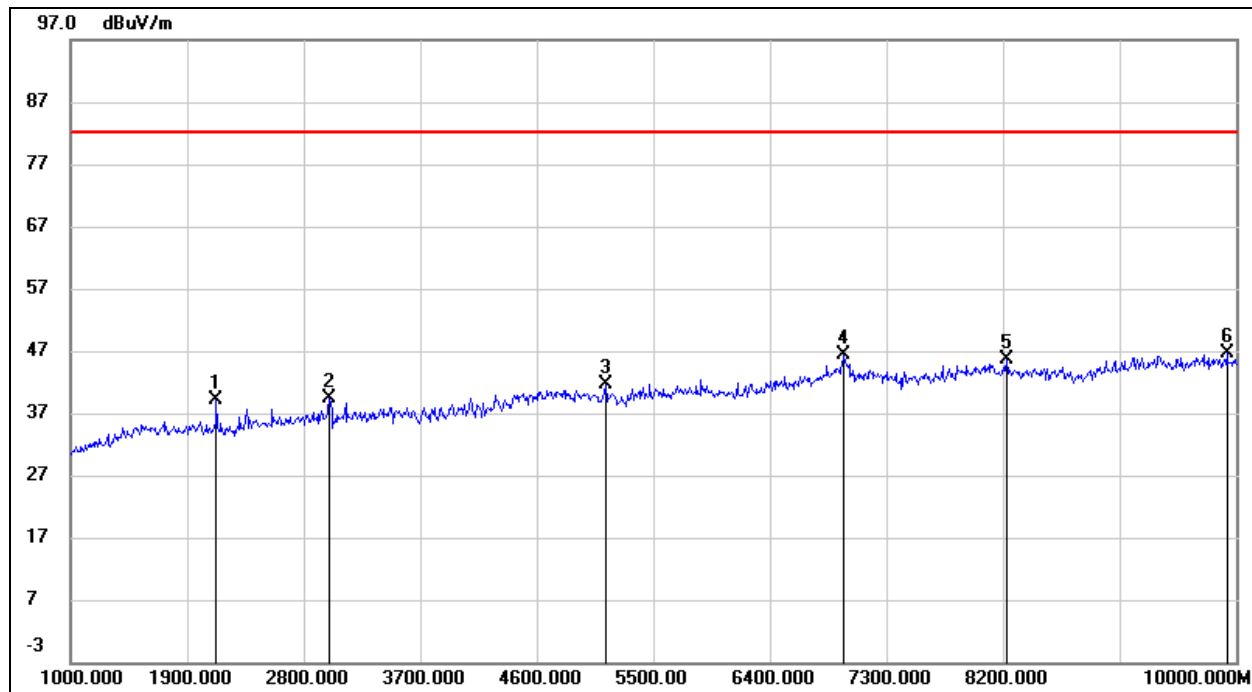
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1801.000	48.64	-10.10	38.54	82.25	-43.71	peak
2	3007.000	44.59	-6.03	38.56	82.25	-43.69	peak
3	5698.000	40.25	1.80	42.05	82.25	-40.20	peak
4	6994.000	39.09	5.90	44.99	82.25	-37.26	peak
5	8290.000	36.72	8.16	44.88	82.25	-37.37	peak
6	9739.000	34.14	11.83	45.97	82.25	-36.28	peak

Test Mode:	LTE Band 17	Frequency(MHz):	710
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



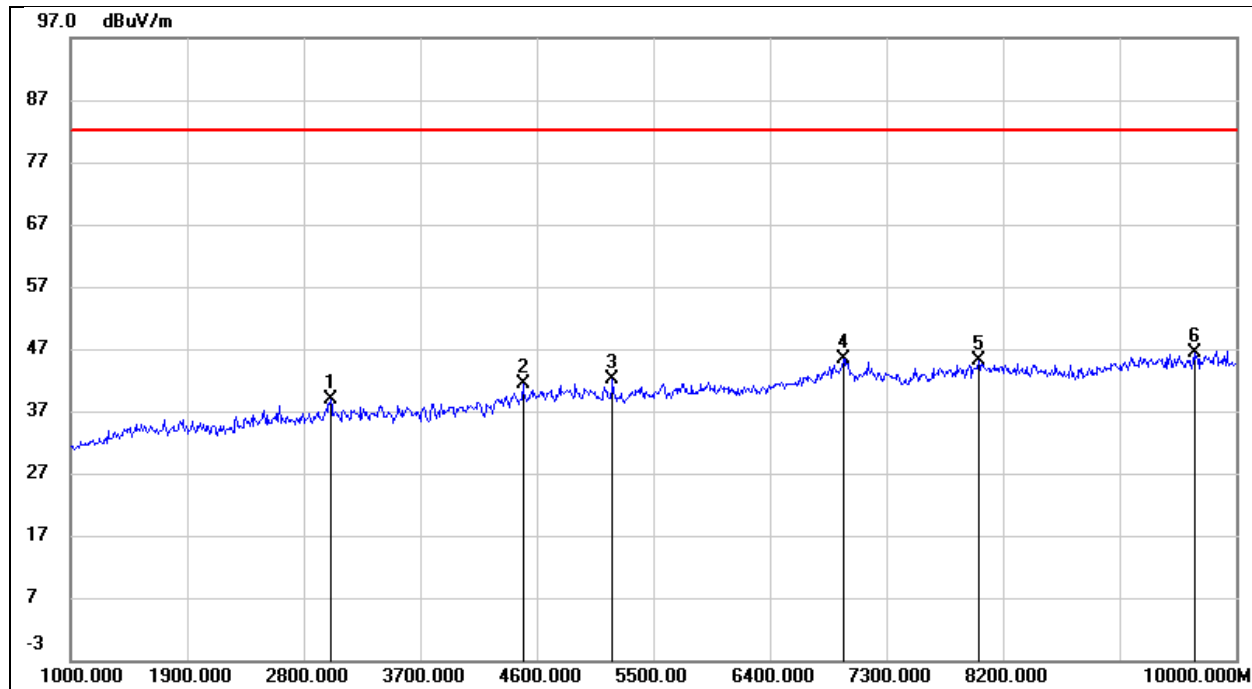
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2998.000	44.79	-6.05	38.74	82.25	-43.51	peak
2	4015.000	42.70	-3.65	39.05	82.25	-43.20	peak
3	5383.000	40.22	1.38	41.60	82.25	-40.65	peak
4	6976.000	39.10	5.83	44.93	82.25	-37.32	peak
5	8092.000	36.92	8.01	44.93	82.25	-37.32	peak
6	9910.000	33.56	12.32	45.88	82.25	-36.37	peak

Test Mode:	LTE Band 17	Frequency(MHz):	710
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



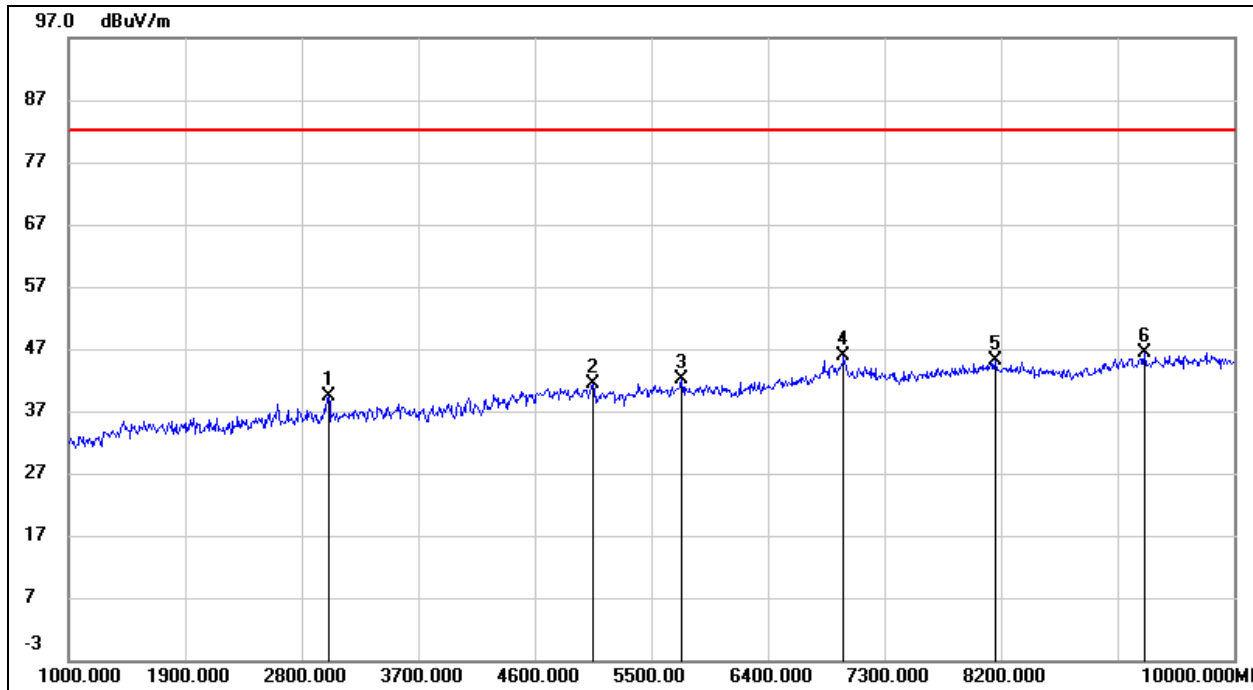
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2125.000	48.73	-9.51	39.22	82.25	-43.03	peak
2	2998.000	45.35	-6.05	39.30	82.25	-42.95	peak
3	5131.000	41.04	0.58	41.62	82.25	-40.63	peak
4	6967.000	40.56	5.81	46.37	82.25	-35.88	peak
5	8227.000	37.49	8.08	45.57	82.25	-36.68	peak
6	9928.000	34.18	12.37	46.55	82.25	-35.70	peak

Test Mode:	LTE Band 17	Frequency(MHz):	711
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



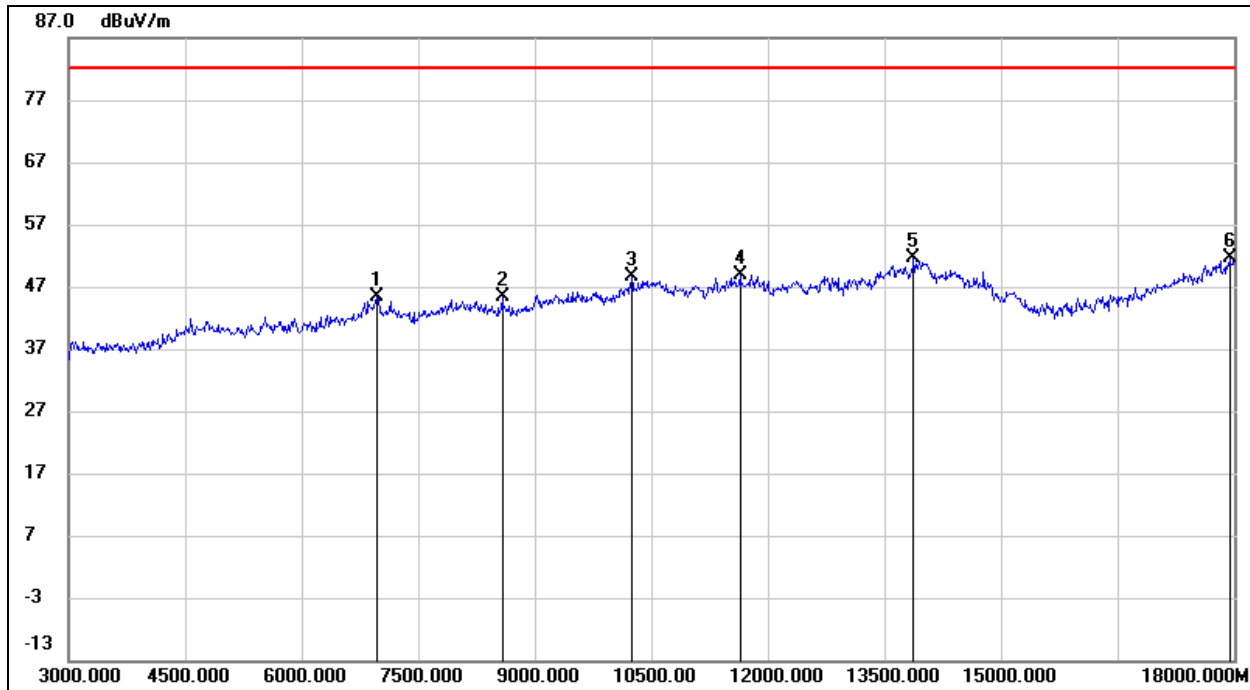
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3007.000	44.81	-6.03	38.78	82.25	-43.47	peak
2	4492.000	42.60	-1.14	41.46	82.25	-40.79	peak
3	5185.000	41.36	0.66	42.02	82.25	-40.23	peak
4	6967.000	39.63	5.81	45.44	82.25	-36.81	peak
5	8011.000	37.21	7.99	45.20	82.25	-37.05	peak
6	9676.000	34.68	11.58	46.26	82.25	-35.99	peak

Test Mode:	LTE Band 17	Frequency(MHz):	711
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



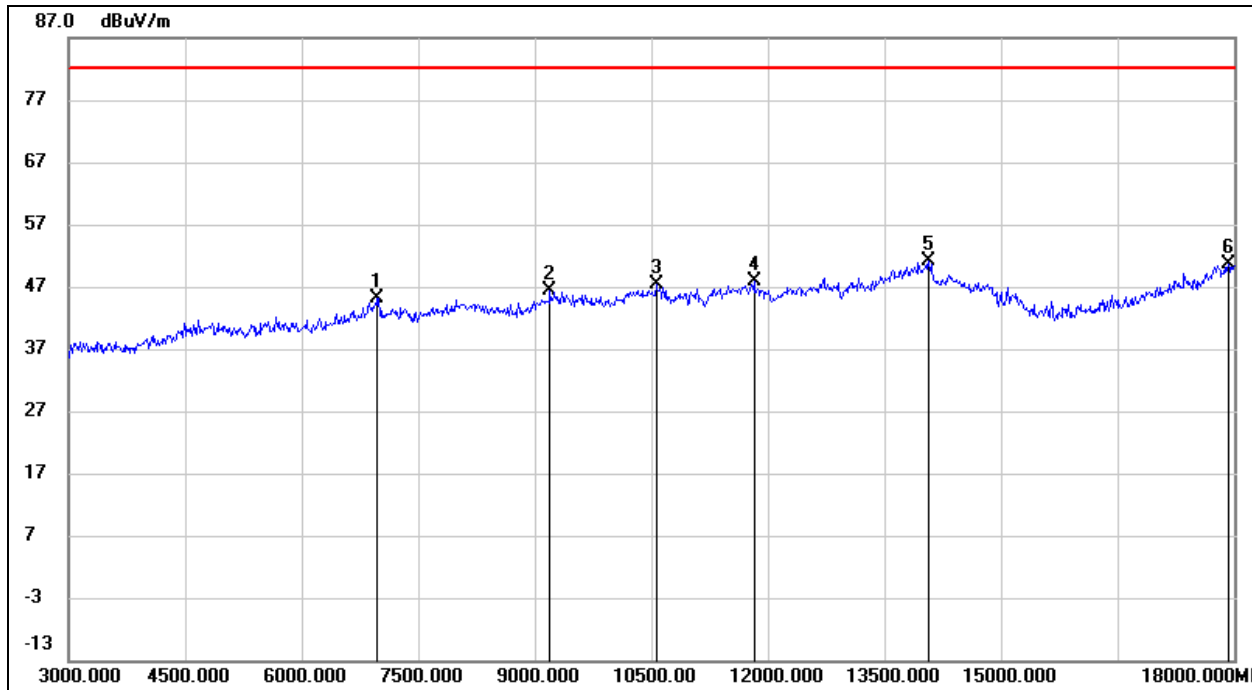
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3007.000	45.32	-6.03	39.29	82.25	-42.96	peak
2	5050.000	40.82	0.49	41.31	82.25	-40.94	peak
3	5734.000	40.18	1.86	42.04	82.25	-40.21	peak
4	6985.000	39.91	5.86	45.77	82.25	-36.48	peak
5	8155.000	37.14	8.04	45.18	82.25	-37.07	peak
6	9307.000	36.18	10.32	46.50	82.25	-35.75	peak

Test Mode:	LTE Band 66	Frequency(MHz):	1720
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



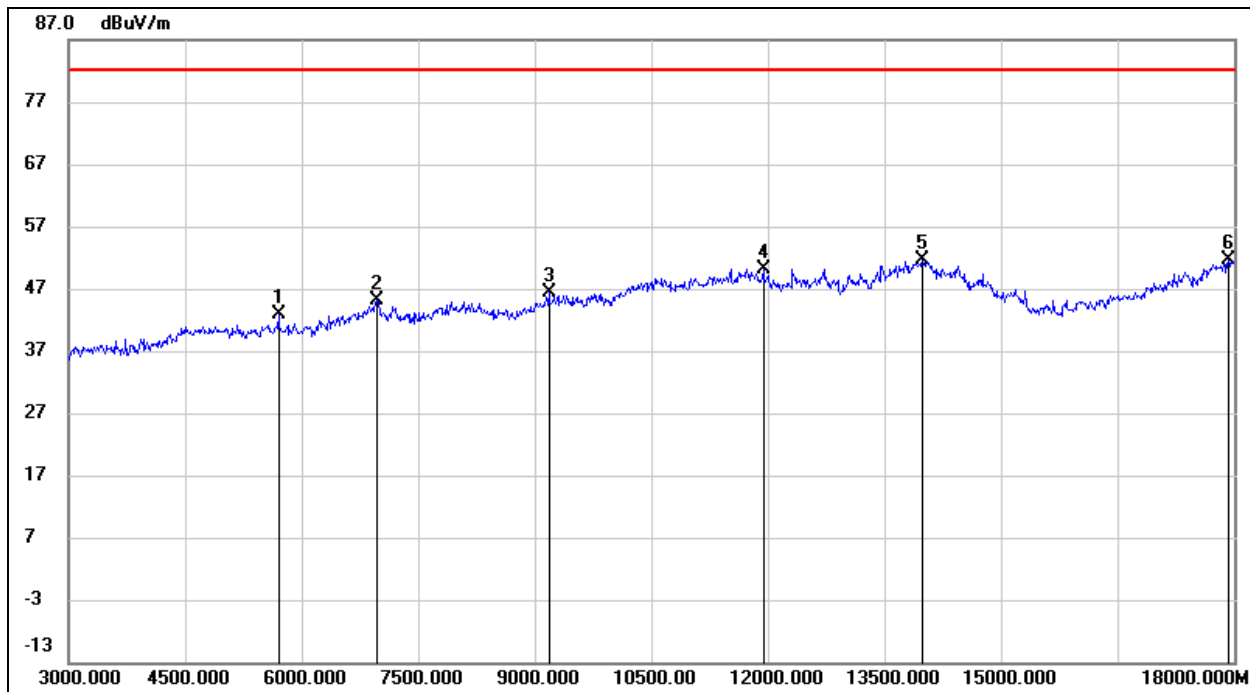
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6960.000	39.49	5.88	45.37	82.25	-36.88	peak
2	8580.000	36.74	8.53	45.27	82.25	-36.98	peak
3	10245.000	35.22	13.38	48.60	82.25	-33.65	peak
4	11640.000	31.70	17.27	48.97	82.25	-33.28	peak
5	13875.000	28.14	23.59	51.73	82.25	-30.52	peak
6	17940.000	24.04	27.61	51.65	82.25	-30.60	peak

Test Mode:	LTE Band 66	Frequency(MHz):	1720
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



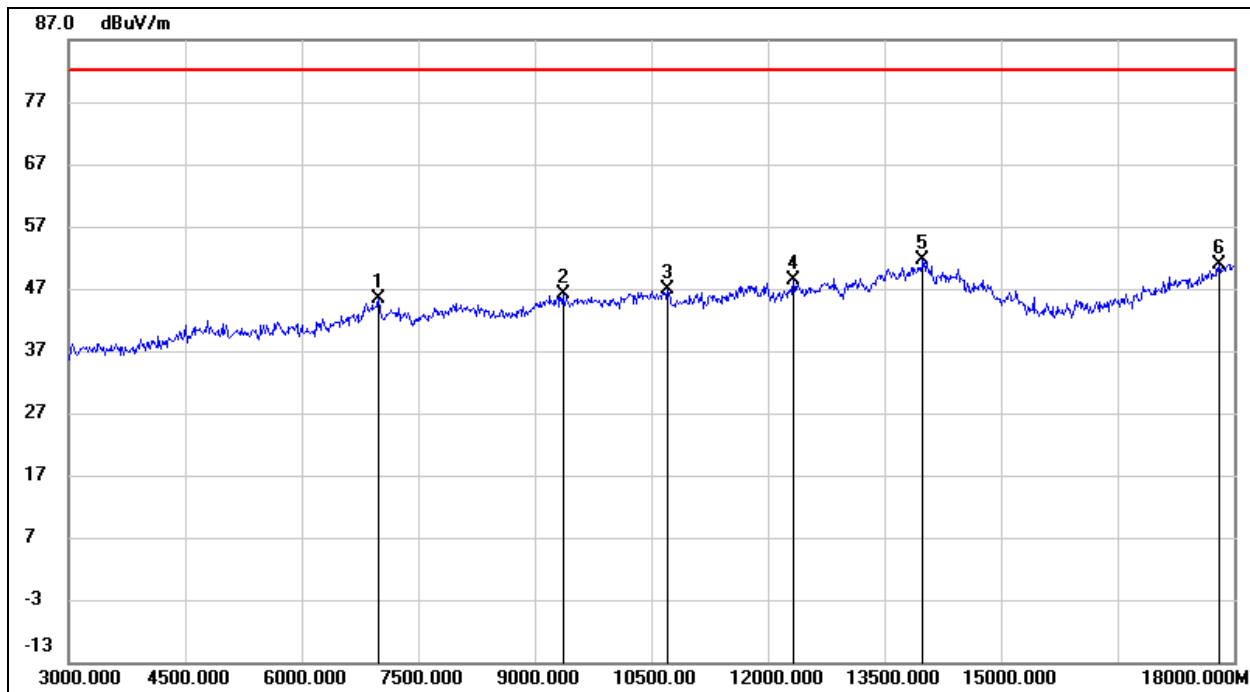
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6975.000	39.14	5.92	45.06	82.25	-37.19	peak
2	9195.000	36.17	10.09	46.26	82.25	-35.99	peak
3	10560.000	33.22	14.20	47.42	82.25	-34.83	peak
4	11820.000	29.99	17.80	47.79	82.25	-34.46	peak
5	14070.000	27.51	23.65	51.16	82.25	-31.09	peak
6	17925.000	23.11	27.50	50.61	82.25	-31.64	peak

Test Mode:	LTE Band 66	Frequency(MHz):	1745
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



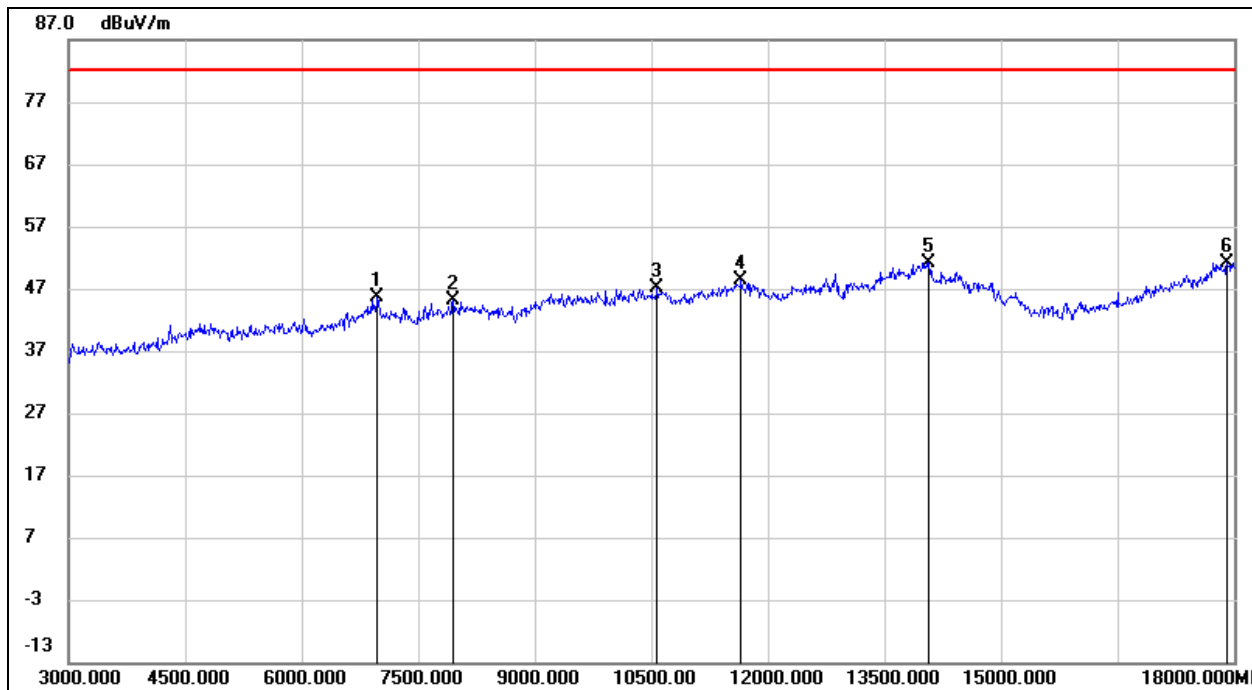
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5700.000	40.90	2.02	42.92	82.25	-39.33	peak
2	6975.000	39.10	5.92	45.02	82.25	-37.23	peak
3	9180.000	36.28	10.03	46.31	82.25	-35.94	peak
4	11940.000	32.09	18.11	50.20	82.25	-32.05	peak
5	13995.000	27.63	24.04	51.67	82.25	-30.58	peak
6	17925.000	24.19	27.50	51.69	82.25	-30.56	peak

Test Mode:	LTE Band 66	Frequency(MHz):	1745
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



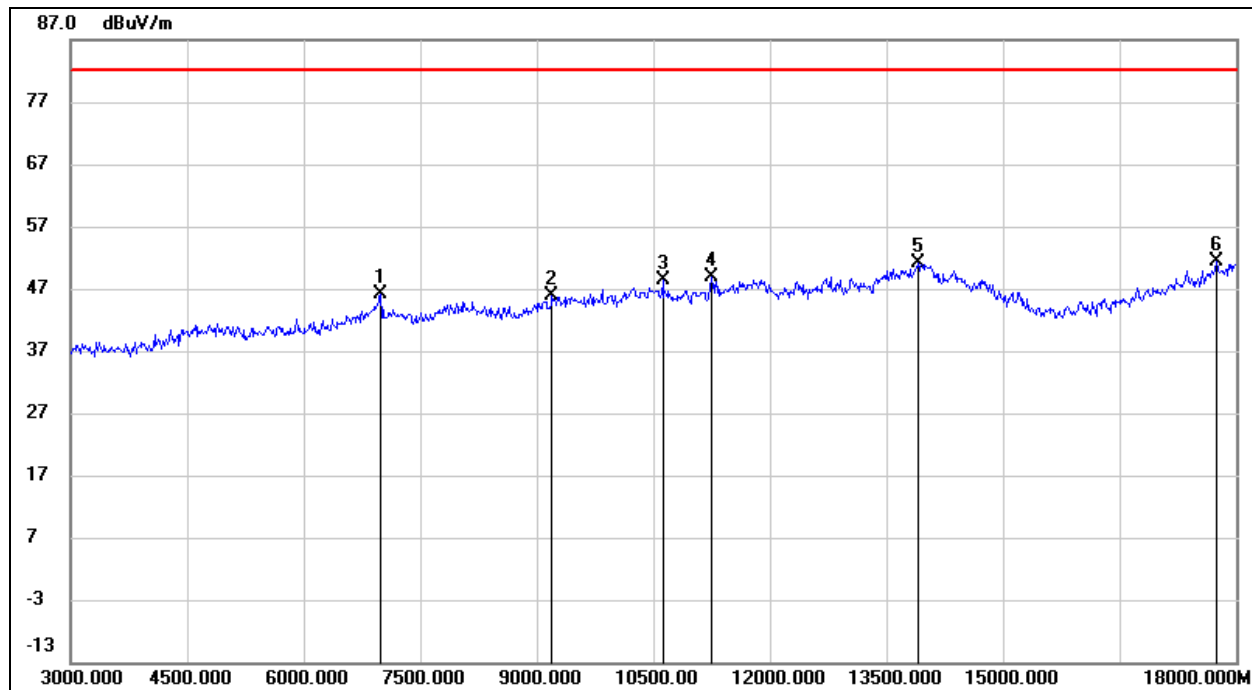
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6990.000	39.52	5.97	45.49	82.25	-36.76	peak
2	9360.000	35.60	10.63	46.23	82.25	-36.02	peak
3	10710.000	32.38	14.61	46.99	82.25	-35.26	peak
4	12330.000	29.38	18.88	48.26	82.25	-33.99	peak
5	13995.000	27.55	24.04	51.59	82.25	-30.66	peak
6	17805.000	24.22	26.75	50.97	82.25	-31.28	peak

Test Mode:	LTE Band 66	Frequency(MHz):	1770
Polarity:	Horizontal	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6975.000	39.59	5.92	45.51	82.25	-36.74	peak
2	7950.000	37.30	7.84	45.14	82.25	-37.11	peak
3	10575.000	32.94	14.23	47.17	82.25	-35.08	peak
4	11655.000	31.08	17.32	48.40	82.25	-33.85	peak
5	14070.000	27.53	23.65	51.18	82.25	-31.07	peak
6	17910.000	23.77	27.41	51.18	82.25	-31.07	peak

Test Mode:	LTE Band 66	Frequency(MHz):	1770
Polarity:	Vertical	Test Voltage:	AC 120V_60Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6990.000	40.19	5.97	46.16	82.25	-36.09	peak
2	9195.000	35.82	10.09	45.91	82.25	-36.34	peak
3	10620.000	33.91	14.36	48.27	82.25	-33.98	peak
4	11250.000	32.63	16.16	48.79	82.25	-33.46	peak
5	13905.000	27.34	23.69	51.03	82.25	-31.22	peak
6	17745.000	24.88	26.39	51.27	82.25	-30.98	peak

END OF REPORT