TEST REPORT

Reference No.	:	WTX23X10217249W001
FCC ID	:	2AOKB-T86P2
Applicant	:	Anker Innovations Limited
Address	:	Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hong Kong
Manufacturer	:	The same as Applicant
Address	:	The same as Applicant
Product Name	:	4G LTE Cam S330
Model No.	:	T86P2
Standards	:	47 CFR Part 22 47 CFR Part 24 47 CFR Part 27
Date of Receipt sample	:	2023-09-04
Date of Test	:	2023-09-08 to 2023-10-12
Date of Issue	:	2023-10-13
Test Report Form No.	:	WTX_Part 22_ Part 24_ Part 27W
Test Result	:	**Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

Prepared By:

Waltek Testing Group (Shenzhen) Co., Ltd.

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Tested by:

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Approved by:

Silin Chen

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT:	
Product Name:	4G LTE Cam S330
Trade Name:	eufy SECURITY
Model No.:	T86P2
Adding Model(s):	/
Rated Voltage:	Battery 3.69V
Battery Change Limit:	4.2V
Adapter Model:	/
Hardware Version:	V04
Software Version:	V1149
Note: The test data is gathered from a production sample provided by the manufacturer.	

Technical Characteristics of EUT:	
4G	
Support Networks:	FDD-LTE
Support Band:	FDD-LTE Band 2, 4, 5, 12, 13, 66, 71
Uplink Frequency:	FDD-LTE Band 2 Tx: 1850-1910MHz, FDD-LTE Band 4 Tx: 1710-1755MHz, FDD-LTE Band 5 Tx: 824-849MHz, FDD-LTE Band 12 Tx: 699-716MHz, FDD-LTE Band 13 Tx: 777-787MHz, FDD-LTE Band 66 Tx: 1710-1780MHz FDD-LTE Band 71 Tx: 663-698MHz
Downlink Frequency:	FDD-LTE Band 2 Rx: 1930-1990MHz, FDD-LTE Band 4 Rx: 2110-2155MHz, FDD-LTE Band 5 Rx: 869-894MHz, FDD-LTE Band 12 Rx: 729-746MHz, FDD-LTE Band 13 Rx: 746-756MHz, FDD-LTE Band 66 Rx: 2110-2200MHz FDD-LTE Band 71 Rx: 617-652MHz
Maximum E.R.P./E.I.R.P.(W)	FDD-LTE Band 2: 0.483W FDD-LTE Band 4: 0.316W FDD-LTE Band 5: 0.166W FDD-LTE Band 12: 0.239W FDD-LTE Band 13: 0.120W FDD-LTE Band 66: 0.443W

	FDD-LTE Band 71: 0.207W
Type of Modulation:	QPSK, 16QAM
Antenna Type:	FPC Antenna
Antenna Gain:	FDD-LTE Band 2: 2.99dBi, FDD-LTE Band 4: 1.27dBi, FDD-LTE Band 5: 0.74dBi, FDD-LTE Band 12: 2.19dBi, FDD-LTE Band 13: -0.9dBi, FDD-LTE Band 66: 2.64dBi FDD-LTE Band 71: 1.84dBi

1.2 Test Standards

The tests were performed according to following standards:

47 CFR Part 2: Frequency Alloca-Tions and Radio Treaty Mat-Ters; General Rules and Reg-Ulations.
47 CFR Part 22: Private Land Mobile Radio Services.
47 CFR Part 24: Public Mobile Services.
47 CFR Part 27: Miscellaneous Wireless Communications Services.
TIA/EIA 603 E March 2016: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.
ANSI C63.26-2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services.
KDB 971168 D01 Power Meas License Digital Systems v03r01: Measurement Guidance for Certification of Licensed Digital Transmitters.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with TIA/EIA 603 E/ KDB 971168/ ANSI C63.26
The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions.

1.4 Test Facility

Address of the test laboratory
Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.
Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

FCC – Registration No.: 125990
Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is mai ntained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A
The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A and the CAB identifier is CN0057.

1.5 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest
possible emissions level, more detailed description as follows:

Test Mode List		
Test Mode	Description	Remark
TM1	FDD-LTE Band 2	Low, Middle, High Channels
TM2	FDD-LTE Band 4	Low, Middle, High Channels
TM3	FDD-LTE Band 5	Low, Middle, High Channels
TM4	FDD-LTE Band 12	Low, Middle, High Channels
TM5	FDD-LTE Band 13	Low, Middle, High Channels
TM6	FDD-LTE Band 66	Low, Middle, High Channels
TM7	FDD-LTE Band 71	Low, Middle, High Channels

Test Conditions	
Temperature:	22~25 °C
Relative Humidity:	50~55 %.
ATM Pressure:	1019 mbar

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
Type-C Cable	0.6	Unshielded	Without Ferrite

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Adapter	TianYin	TPA-98B050100CU01	/

1.6 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
RF Output Power	Conducted	±0.42dB
Occupied Bandwidth	Conducted	±1.5%
Frequency Stability	Conducted	2.3%
Transmitter Spurious Emissions	Conducted	±0.42dB
Transmitter Spurious Emissions	Radiated	30-200MHz ±4.52dB
		0.2-1GHz ±5.56dB
		1-6GHz ±3.84dB
		6-18GHz ±3.92dB

1.7 Test Equipment List and Details

Fixed asset Number	Description	Manufacturer	Model	Serial No.	Cal Date	Due. Date
WTXE1041 A1001	Communication Tester	Rohde & Schwarz	CMW500	148650	2023-02-25	2024-02-24
WTXE1104 A1001	MXG Vector Signal Generator	Agilent	N5182A	MY47420108	2023-02-25	2024-02-24
WTXE1104 A1002	DC Power Supply	Agilent	E3634A	MY40009294	2023-02-25	2024-02-24
WTXE1104 A1003	EXG Analog Signal Generator	KEYSIGHT	N5173B	MY61252892	2023-02-25	2024-02-24
WTXE1104 A1004	Spectrum Analyzer	Rohde&Schwarz	FSV40-N	101559	2023-02-25	2024-02-24
WTXE1104 A1005-2	Band Reject Filter Group	Tonscend	JS0806-F	23A806F0658	2023-02-25	2024-02-24
☐Chamber A: Below 1GHz						
WTXE1005 A1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2023-02-25	2024-02-24
WTXE1007 A1001	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2023-02-25	2024-02-24
WTXE1007 A1001	Amplifier	HP	8447F	2805A03475	2023-02-25	2024-02-24
WTXE1010 A1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2021-03-20	2024-03-19
WTXE1010 A1006	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2023-03-20	2026-03-19
☐Chamber A: Above 1GHz						
WTXE1005 A1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2023-02-25	2024-02-24
WTXE1007 A1001	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2023-02-25	2024-02-24
WTXE1065 A1001	Amplifier	C&D	PAP-1G18	14918	2023-02-25	2024-02-24
WTXE1010 A1005	Horn Antenna	ETS	3117	00086197	2021-03-19	2024-03-18
WTXE1010 A1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2021-03-19	2024-03-18
WTXE1003 A1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2023-02-25	2024-02-24
WTXE1004	Spectrum	Rohde &	FSP40	100612	2023-02-25	2024-02-24

A1-001	Analyzer	Schwarz				
☐Chamber B:Below 1GHz						
WTXE1010 A1006	Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2021-04-09	2024-04-08
WTXE1038 A1001	Amplifier	Agilent	8447D	2944A10179	2023-02-25	2024-02-24
WTXE1001 A1002	EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2023-02-25	2024-02-24
☒Chamber C:Below 1GHz						
WTXE1093 A1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2023-02-25	2024-02-24
WTXE1010 A1013-1	Trilog Broadband Antenna	Schwarz beck	VULB 9168	1194	2021-05-28	2024-05-27
WTXE1010 A1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2021-03-20	2024-03-19
WTXE1007 A1002	Amplifier	HP	8447F	2944A03869	2023-02-25	2024-02-24
☒Chamber C: Above 1GHz						
WTXE1093 A1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2023-02-25	2024-02-24
WTXE1103 A1005	Horn Antenna	POAM	RTF-11A	LP228060221	2023-03-10	2026-03-09
WTXE1103 A1006	Amplifier	Tonscend	TAP01018050	AP22E806235	2023-02-25	2024-02-24
WTXE1010 A1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2021-03-19	2024-03-18
WTXE1003 A1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2023-02-25	2024-02-24
☐Conducted Room 1#						
WTXE1001 A1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2023-02-25	2024-02-24
WTXE1002 A1001	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2023-02-25	2024-02-24
WTXE1003 A1001	AC LISN	Schwarz beck	NSLK8126	8126-224	2023-02-25	2024-02-24
☒Conducted Room 2#						
WTXE1001 A1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2023-02-25	2024-02-24
WTXE1003 A1003	LISN	Rohde & Schwarz	ENV 216	100097	2023-02-25	2024-02-24

Software List			
Description	**Manufacturer**	**Model**	**Version**
EMI Test Software (Radiated Emission)*	Farad	EZ-EMC	RA-03A1
LTE Test System*	Tonscend	JS1120-1	V2.5

*Remark: indicates software version used in the compliance certification testing.

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test Item	Result
§2.1046, §22.913(a)(2), §24.232(c), §27.50(b)(10), §27.50(c)(10), §27.50(d)(4), §27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Pass
§24.232(d), §27.50(d)(5)	Peak-to-average Ratio (PAR) of Transmitter	Pass(Note1)
§2.1049	Emission Bandwidth	Pass(Note1)
§2.1053, §22.917(a), §24.238(a), §27.53(c)(2), §27.53(g), §27.53(h) §27.53(m)(4)	Spurious Emissions at Antenna Terminal	Pass(Note1)
§2.1053, §22.917(a), §24.238(a), §27.53(c)(2), §27.53(g), §27.53(h) §27.53(m)(4)	Spurious Radiation Emissions	Pass
§2.1051, §22.917(a), §24.238(a), §27.53(c)(2), §27.53(g), §27.53(h), §27.53(m)(4)	Out of Band Emissions	Pass(Note1)
§2.1055, §22.355, §24.235, §27.54	Frequency Stability	Pass(Note1)

Note 1: The test results of all conducted test items please refer to the module FCC test report (Report No.: R2007A0434-R1 / R2007A0434-R2 / R2007A0434-R3), which issued on August 07, 2020 by TA Technology (Shanghai) Co., Ltd.

3. Transmitter E.R.P./E.I.R.P.

3.1 Standard Applicable

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

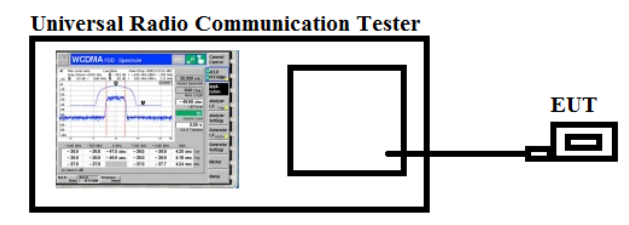
According to FCC section22.913 (a)(2) for LTE Band 5, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (b)(10) for LTE Band 13, Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts E.R.P.

According to FCC section 27.50 (c)(10) for LTE Band 12/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

3.2 Test Procedure

➢ Conducted output power test method:



➢ Radiated power test method:

1. The setup of EUT is according with per ANSI/TIA Standard 603E and ANSI C63.26 measurement procedure.
2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.

4. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

3.3 Summary of Test Results/Plots

E.R.P/E.I.R.P Radiated Power:

LTE Band 2				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	26.33	0.430	26.35	0.432	25.95	0.394
20	QPSK	1	50	26.41	0.438	26.79	0.478	25.98	0.396
20	QPSK	1	99	26.29	0.426	26.23	0.420	25.86	0.385
20	QPSK	50	0	25.39	0.346	25.31	0.340	25.17	0.329
20	QPSK	50	25	25.25	0.335	25.10	0.324	25.24	0.334
20	QPSK	50	50	25.40	0.347	25.30	0.339	24.92	0.310
20	QPSK	100	0	25.26	0.336	25.44	0.350	25.02	0.318
20	16QAM	1	0	25.30	0.339	25.85	0.385	25.62	0.365
20	16QAM	1	50	25.37	0.344	25.95	0.394	25.97	0.395
20	16QAM	1	99	25.16	0.328	25.91	0.390	25.98	0.396
20	16QAM	50	0	24.38	0.274	24.26	0.267	24.22	0.264
20	16QAM	50	25	24.45	0.279	24.20	0.263	24.10	0.257
20	16QAM	50	50	24.35	0.272	24.31	0.270	24.11	0.258
20	16QAM	100	0	24.34	0.272	24.24	0.265	24.24	0.265

LTE Band 2				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	26.36	0.433	26.39	0.436	25.98	0.396
15	QPSK	1	38	26.42	0.439	26.83	0.482	26.00	0.398
15	QPSK	1	74	26.31	0.428	26.24	0.421	25.89	0.388
15	QPSK	36	0	25.42	0.348	25.36	0.344	25.21	0.332
15	QPSK	36	18	25.27	0.337	25.14	0.327	25.27	0.337
15	QPSK	36	39	25.43	0.349	25.35	0.343	24.96	0.313
15	QPSK	75	0	25.29	0.338	25.49	0.354	25.06	0.321
15	16QAM	1	0	25.32	0.340	25.89	0.388	25.67	0.369
15	16QAM	1	38	25.41	0.348	25.97	0.395	26.01	0.399
15	16QAM	1	74	25.18	0.330	25.94	0.393	26.00	0.398
15	16QAM	36	0	24.41	0.276	24.30	0.269	24.25	0.266
15	16QAM	36	18	24.48	0.281	24.22	0.264	24.13	0.259
15	16QAM	36	39	24.38	0.274	24.36	0.273	24.15	0.260
15	16QAM	75	0	24.36	0.273	24.28	0.268	24.27	0.267

LTE Band 2				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	26.37	0.434	26.43	0.440	26.00	0.398
10	QPSK	1	25	26.44	0.441	26.84	0.483	26.03	0.401
10	QPSK	1	49	26.34	0.431	26.29	0.426	25.93	0.392
10	QPSK	25	0	25.44	0.350	25.40	0.347	25.24	0.334
10	QPSK	25	13	25.30	0.339	25.19	0.330	25.31	0.340
10	QPSK	25	25	25.46	0.352	25.38	0.345	25.00	0.316
10	QPSK	50	0	25.31	0.340	25.53	0.357	25.11	0.324
10	16QAM	1	0	25.37	0.344	25.91	0.390	25.69	0.371
10	16QAM	1	25	25.43	0.349	26.00	0.398	26.03	0.401
10	16QAM	1	49	25.21	0.332	25.98	0.396	26.03	0.401
10	16QAM	25	0	24.44	0.278	24.32	0.270	24.28	0.268
10	16QAM	25	13	24.51	0.282	24.27	0.267	24.17	0.261
10	16QAM	25	25	24.40	0.275	24.40	0.275	24.18	0.262
10	16QAM	50	0	24.39	0.275	24.33	0.271	24.31	0.270

LTE Band 2				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	26.35	0.432	26.42	0.439	25.97	0.395
5	QPSK	1	13	26.41	0.438	26.79	0.478	25.99	0.397
5	QPSK	1	24	26.32	0.429	26.25	0.422	25.90	0.389
5	QPSK	12	0	25.41	0.348	25.35	0.343	25.20	0.331
5	QPSK	12	6	25.27	0.337	25.14	0.327	25.27	0.337
5	QPSK	12	13	25.44	0.350	25.34	0.342	24.95	0.313
5	QPSK	25	0	25.23	0.333	25.51	0.356	25.07	0.321
5	16QAM	1	0	25.35	0.343	25.88	0.387	25.67	0.369
5	16QAM	1	13	25.40	0.347	25.96	0.394	26.00	0.398
5	16QAM	1	24	25.18	0.330	25.96	0.394	26.00	0.398
5	16QAM	12	0	24.41	0.276	24.27	0.267	24.24	0.265
5	16QAM	12	6	24.49	0.281	24.23	0.265	24.14	0.259
5	16QAM	12	13	24.37	0.274	24.35	0.272	24.14	0.259
5	16QAM	25	0	24.36	0.273	24.28	0.268	24.27	0.267

LTE Band 2				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	26.38	0.435	26.44	0.441	26.01	0.399
3	QPSK	1	7	26.43	0.440	26.83	0.482	26.02	0.400
3	QPSK	1	14	26.35	0.432	26.30	0.427	25.94	0.393
3	QPSK	8	0	25.44	0.350	25.40	0.347	25.24	0.334
3	QPSK	8	4	25.29	0.338	25.18	0.330	25.32	0.340
3	QPSK	8	7	25.46	0.352	25.36	0.344	24.99	0.316
3	QPSK	15	0	25.25	0.335	25.52	0.356	25.09	0.323
3	16QAM	1	0	25.38	0.345	25.92	0.391	25.70	0.372
3	16QAM	1	7	25.43	0.349	25.98	0.396	26.03	0.401
3	16QAM	1	14	25.21	0.332	25.98	0.396	26.04	0.402
3	16QAM	8	0	24.43	0.277	24.31	0.270	24.27	0.267
3	16QAM	8	4	24.52	0.283	24.28	0.268	24.18	0.262
3	16QAM	8	7	24.40	0.275	24.40	0.275	24.18	0.262
3	16QAM	15	0	24.38	0.274	24.32	0.270	24.32	0.270

LTE Band 2				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	26.36	0.433	26.40	0.437	25.98	0.396
1.4	QPSK	1	2	26.40	0.437	26.78	0.476	25.98	0.396
1.4	QPSK	1	5	26.32	0.429	26.25	0.422	25.90	0.389
1.4	QPSK	3	0	26.34	0.431	26.28	0.425	26.11	0.408
1.4	QPSK	3	2	26.17	0.414	26.08	0.406	26.20	0.417
1.4	QPSK	3	3	26.36	0.433	26.25	0.422	25.89	0.388
1.4	QPSK	6	0	25.22	0.333	25.48	0.353	25.06	0.321
1.4	16QAM	1	0	25.35	0.343	25.90	0.389	25.67	0.369
1.4	16QAM	1	2	25.40	0.347	25.93	0.392	25.99	0.397
1.4	16QAM	1	5	25.19	0.330	25.94	0.393	26.01	0.399
1.4	16QAM	3	0	25.32	0.340	25.18	0.330	25.15	0.327
1.4	16QAM	3	2	25.41	0.348	25.15	0.327	25.06	0.321
1.4	16QAM	3	3	25.30	0.339	25.28	0.337	25.05	0.320
1.4	16QAM	6	0	24.35	0.272	24.28	0.268	24.29	0.269

LTE Band 4				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.79	0.301	24.42	0.277	24.66	0.292
20	QPSK	1	50	24.72	0.296	24.81	0.303	24.73	0.297
20	QPSK	1	99	24.44	0.278	24.79	0.301	24.91	0.310
20	QPSK	50	0	23.64	0.231	23.52	0.225	23.88	0.244
20	QPSK	50	25	23.63	0.231	23.62	0.230	23.71	0.235
20	QPSK	50	50	23.62	0.230	23.74	0.237	23.69	0.234
20	QPSK	100	0	23.61	0.230	23.63	0.231	23.87	0.244
20	16QAM	1	0	23.67	0.233	23.47	0.222	24.49	0.281
20	16QAM	1	50	23.76	0.238	24.08	0.256	24.40	0.275
20	16QAM	1	99	23.62	0.230	24.22	0.264	24.61	0.289
20	16QAM	50	0	22.56	0.180	22.67	0.185	22.77	0.189
20	16QAM	50	25	22.63	0.183	22.71	0.187	22.57	0.181
20	16QAM	50	50	22.71	0.187	22.77	0.189	22.80	0.191
20	16QAM	100	0	22.60	0.182	22.71	0.187	22.90	0.195

LTE Band 4				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.82	0.303	24.46	0.279	24.69	0.294
15	QPSK	1	38	24.73	0.297	24.85	0.305	24.75	0.299
15	QPSK	1	74	24.46	0.279	24.80	0.302	24.94	0.312
15	QPSK	36	0	23.67	0.233	23.57	0.228	23.92	0.247
15	QPSK	36	18	23.65	0.232	23.66	0.232	23.74	0.237
15	QPSK	36	39	23.65	0.232	23.79	0.239	23.73	0.236
15	QPSK	75	0	23.64	0.231	23.68	0.233	23.91	0.246
15	16QAM	1	0	23.69	0.234	23.51	0.224	24.54	0.284
15	16QAM	1	38	23.80	0.240	24.10	0.257	24.44	0.278
15	16QAM	1	74	23.64	0.231	24.25	0.266	24.63	0.290
15	16QAM	36	0	22.59	0.182	22.71	0.187	22.80	0.191
15	16QAM	36	18	22.66	0.185	22.73	0.187	22.60	0.182
15	16QAM	36	39	22.74	0.188	22.82	0.191	22.84	0.192
15	16QAM	75	0	22.62	0.183	22.75	0.188	22.93	0.196

LTE Band 4				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				2000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.83	0.304	24.50	0.282	24.71	0.296
10	QPSK	1	25	24.75	0.299	24.86	0.306	24.78	0.301
10	QPSK	1	49	24.49	0.281	24.85	0.305	24.98	0.315
10	QPSK	25	0	23.69	0.234	23.61	0.230	23.95	0.248
10	QPSK	25	13	23.68	0.233	23.71	0.235	23.78	0.239
10	QPSK	25	25	23.68	0.233	23.82	0.241	23.77	0.238
10	QPSK	50	0	23.66	0.232	23.72	0.236	23.96	0.249
10	16QAM	1	0	23.74	0.237	23.53	0.225	24.56	0.286
10	16QAM	1	25	23.82	0.241	24.13	0.259	24.46	0.279
10	16QAM	1	49	23.67	0.233	24.29	0.269	24.66	0.292
10	16QAM	25	0	22.62	0.183	22.73	0.187	22.83	0.192
10	16QAM	25	13	22.69	0.186	22.78	0.190	22.64	0.184
10	16QAM	25	25	22.76	0.189	22.86	0.193	22.87	0.194
10	16QAM	50	0	22.65	0.184	22.80	0.191	22.97	0.198

LTE Band 4				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				19978		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.81	0.303	24.49	0.281	24.68	0.294
5	QPSK	1	13	24.72	0.296	24.81	0.303	24.74	0.298
5	QPSK	1	24	24.47	0.280	24.81	0.303	24.95	0.313
5	QPSK	12	0	23.66	0.232	23.56	0.227	23.91	0.246
5	QPSK	12	6	23.65	0.232	23.66	0.232	23.74	0.237
5	QPSK	12	13	23.66	0.232	23.78	0.239	23.72	0.236
5	QPSK	25	0	23.58	0.228	23.70	0.234	23.92	0.247
5	16QAM	1	0	23.72	0.236	23.50	0.224	24.54	0.284
5	16QAM	1	13	23.79	0.239	24.09	0.256	24.43	0.277
5	16QAM	1	24	23.64	0.231	24.27	0.267	24.63	0.290
5	16QAM	12	0	22.59	0.182	22.68	0.185	22.79	0.190
5	16QAM	12	6	22.67	0.185	22.74	0.188	22.61	0.182
5	16QAM	12	13	22.73	0.187	22.81	0.191	22.83	0.192
5	16QAM	25	0	22.62	0.183	22.75	0.188	22.93	0.196

LTE Band 4				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.84	0.305	24.51	0.282	24.72	0.296
3	QPSK	1	7	24.74	0.298	24.85	0.305	24.77	0.300
3	QPSK	1	14	24.50	0.282	24.86	0.306	24.99	0.316
3	QPSK	8	0	23.69	0.234	23.61	0.230	23.95	0.248
3	QPSK	8	4	23.67	0.233	23.70	0.234	23.79	0.239
3	QPSK	8	7	23.68	0.233	23.80	0.240	23.76	0.238
3	QPSK	15	0	23.60	0.229	23.71	0.235	23.94	0.248
3	16QAM	1	0	23.75	0.237	23.54	0.226	24.57	0.286
3	16QAM	1	7	23.82	0.241	24.11	0.258	24.46	0.279
3	16QAM	1	14	23.67	0.233	24.29	0.269	24.67	0.293
3	16QAM	8	0	22.61	0.182	22.72	0.187	22.82	0.191
3	16QAM	8	4	22.70	0.186	22.79	0.190	22.65	0.184
3	16QAM	8	7	22.76	0.189	22.86	0.193	22.87	0.194
3	16QAM	15	0	22.64	0.184	22.79	0.190	22.98	0.199

LTE Band 4				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.82	0.303	24.47	0.280	24.69	0.294
1.4	QPSK	1	2	24.71	0.296	24.80	0.302	24.73	0.297
1.4	QPSK	1	5	24.47	0.280	24.81	0.303	24.95	0.313
1.4	QPSK	3	0	24.59	0.288	24.49	0.281	24.82	0.303
1.4	QPSK	3	2	24.55	0.285	24.60	0.288	24.67	0.293
1.4	QPSK	3	3	24.58	0.287	24.69	0.294	24.66	0.292
1.4	QPSK	6	0	23.57	0.228	23.67	0.233	23.91	0.246
1.4	16QAM	1	0	23.72	0.236	23.52	0.225	24.54	0.284
1.4	16QAM	1	2	23.79	0.239	24.06	0.255	24.42	0.277
1.4	16QAM	1	5	23.65	0.232	24.25	0.266	24.64	0.291
1.4	16QAM	3	0	23.50	0.224	23.59	0.229	23.70	0.234
1.4	16QAM	3	2	23.59	0.229	23.66	0.232	23.53	0.225
1.4	16QAM	3	3	23.66	0.232	23.74	0.237	23.74	0.237
1.4	16QAM	6	0	22.61	0.182	22.75	0.188	22.95	0.197

LTE Band 5				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.72	0.149	21.75	0.150	21.91	0.155
10	QPSK	1	25	21.68	0.147	22.20	0.166	21.94	0.156
10	QPSK	1	49	21.79	0.151	21.82	0.152	21.87	0.154
10	QPSK	25	0	20.76	0.119	20.90	0.123	20.82	0.121
10	QPSK	25	13	20.66	0.116	20.92	0.124	20.73	0.118
10	QPSK	25	25	20.77	0.119	20.81	0.121	20.81	0.121
10	QPSK	50	0	20.75	0.119	20.86	0.122	20.80	0.120
10	16QAM	1	0	20.60	0.115	20.44	0.111	20.53	0.113
10	16QAM	1	25	20.44	0.111	20.53	0.113	20.47	0.111
10	16QAM	1	49	20.51	0.112	20.41	0.110	20.42	0.110
10	16QAM	25	0	19.72	0.094	19.96	0.099	19.80	0.095
10	16QAM	25	13	19.67	0.093	19.79	0.095	19.66	0.092
10	16QAM	25	25	19.86	0.097	19.87	0.097	19.60	0.091
10	16QAM	50	0	19.59	0.091	21.73	0.149	19.61	0.091

LTE Band 5				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.54	0.143	21.60	0.145	21.91	0.155
5	QPSK	1	12	21.60	0.145	22.11	0.163	21.84	0.153
5	QPSK	1	24	21.75	0.150	21.77	0.150	21.82	0.152
5	QPSK	12	0	20.73	0.118	20.85	0.122	20.65	0.116
5	QPSK	12	6	20.50	0.112	20.88	0.122	20.57	0.114
5	QPSK	12	13	20.71	0.118	20.73	0.118	20.67	0.117
5	QPSK	25	0	20.55	0.114	20.74	0.119	20.78	0.120
5	16QAM	1	0	20.53	0.113	20.30	0.107	20.34	0.108
5	16QAM	1	12	20.39	0.109	20.36	0.109	20.45	0.111
5	16QAM	1	24	20.48	0.112	20.35	0.108	20.35	0.108
5	16QAM	12	0	19.62	0.092	19.88	0.097	19.71	0.094
5	16QAM	12	6	19.62	0.092	19.60	0.091	19.57	0.091
5	16QAM	12	13	19.82	0.096	19.76	0.095	19.52	0.090
5	16QAM	25	0	19.40	0.087	21.66	0.147	19.58	0.091

LTE Band 5				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.64	0.146	21.72	0.149	21.83	0.152
3	QPSK	1	7	21.53	0.142	22.05	0.160	21.74	0.149
3	QPSK	1	14	21.77	0.150	21.72	0.149	21.74	0.149
3	QPSK	8	0	20.67	0.117	20.76	0.119	20.72	0.118
3	QPSK	8	4	20.57	0.114	20.74	0.119	20.63	0.116
3	QPSK	8	7	20.65	0.116	20.65	0.116	20.65	0.116
3	QPSK	15	0	20.65	0.116	20.73	0.118	20.67	0.117
3	16QAM	1	0	20.43	0.110	20.24	0.106	20.37	0.109
3	16QAM	1	7	20.38	0.109	20.50	0.112	20.46	0.111
3	16QAM	1	14	20.50	0.112	20.32	0.108	20.27	0.106
3	16QAM	8	0	19.54	0.090	19.87	0.097	19.74	0.094
3	16QAM	8	4	19.52	0.090	19.66	0.092	19.46	0.088
3	16QAM	8	7	19.76	0.095	19.86	0.097	19.47	0.089
3	16QAM	15	0	19.57	0.091	21.65	0.146	19.57	0.091

LTE Band 5				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.57	0.144	21.70	0.148	21.74	0.149
1.4	QPSK	1	2	21.66	0.147	22.03	0.160	21.84	0.153
1.4	QPSK	1	5	21.68	0.147	21.78	0.151	21.76	0.150
1.4	QPSK	3	0	21.59	0.144	21.90	0.155	21.74	0.149
1.4	QPSK	3	2	21.60	0.145	21.85	0.153	21.53	0.142
1.4	QPSK	3	3	21.73	0.149	21.64	0.146	21.81	0.152
1.4	QPSK	6	0	20.70	0.117	20.72	0.118	20.73	0.118
1.4	16QAM	1	0	20.59	0.115	20.36	0.109	20.41	0.110
1.4	16QAM	1	2	20.28	0.107	20.33	0.108	20.28	0.107
1.4	16QAM	1	5	20.47	0.111	20.31	0.107	20.24	0.106
1.4	16QAM	3	0	20.66	0.116	20.90	0.123	20.65	0.116
1.4	16QAM	3	2	20.59	0.115	20.67	0.117	20.51	0.112
1.4	16QAM	3	3	20.79	0.120	20.81	0.121	20.45	0.111
1.4	16QAM	6	0	19.50	0.089	21.62	0.145	19.45	0.088

LTE Band 12				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.64	0.231	23.63	0.231	23.62	0.230
10	QPSK	1	25	23.72	0.236	23.62	0.230	23.73	0.236
10	QPSK	1	49	23.62	0.230	23.52	0.225	23.70	0.234
10	QPSK	25	0	22.59	0.182	22.61	0.182	22.73	0.187
10	QPSK	25	13	22.57	0.181	22.56	0.180	22.62	0.183
10	QPSK	25	25	22.74	0.188	22.71	0.187	22.70	0.186
10	QPSK	50	0	22.69	0.186	22.57	0.181	22.65	0.184
10	16QAM	1	0	22.94	0.197	22.17	0.165	22.95	0.197
10	16QAM	1	25	22.95	0.197	22.61	0.182	23.22	0.210
10	16QAM	1	49	22.77	0.189	22.37	0.173	22.87	0.194
10	16QAM	25	0	21.68	0.147	21.72	0.149	21.85	0.153
10	16QAM	25	13	21.60	0.145	21.59	0.144	21.59	0.144
10	16QAM	25	25	21.61	0.145	21.65	0.146	21.56	0.143
10	16QAM	50	0	21.74	0.149	21.63	0.146	21.83	0.152

LTE Band 12				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.67	0.233	23.67	0.233	23.65	0.232
5	QPSK	1	13	23.73	0.236	23.66	0.232	23.75	0.237
5	QPSK	1	24	23.64	0.231	23.53	0.225	23.73	0.236
5	QPSK	12	0	22.62	0.183	22.66	0.185	22.77	0.189
5	QPSK	12	6	22.59	0.182	22.60	0.182	22.65	0.184
5	QPSK	12	13	22.77	0.189	22.76	0.189	22.74	0.188
5	QPSK	25	0	22.72	0.187	22.62	0.183	22.69	0.186
5	16QAM	1	0	22.96	0.198	22.21	0.166	23.00	0.200
5	16QAM	1	13	22.99	0.199	22.63	0.183	23.26	0.212
5	16QAM	1	24	22.79	0.190	22.40	0.174	22.89	0.195
5	16QAM	12	0	21.71	0.148	21.76	0.150	21.88	0.154
5	16QAM	12	6	21.63	0.146	21.61	0.145	21.62	0.145
5	16QAM	12	13	21.64	0.146	21.70	0.148	21.60	0.145
5	16QAM	25	0	21.76	0.150	21.67	0.147	21.86	0.153

LTE Band 12				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.69	0.234	23.72	0.236	23.68	0.233
3	QPSK	1	7	23.74	0.237	23.66	0.232	23.77	0.238
3	QPSK	1	14	23.68	0.233	23.59	0.229	23.78	0.239
3	QPSK	8	0	22.64	0.184	22.70	0.186	22.80	0.191
3	QPSK	8	4	22.61	0.182	22.64	0.184	22.70	0.186
3	QPSK	8	7	22.80	0.191	22.77	0.189	22.77	0.189
3	QPSK	15	0	22.68	0.185	22.65	0.184	22.72	0.187
3	16QAM	1	0	23.02	0.200	22.24	0.167	23.03	0.201
3	16QAM	1	7	23.01	0.200	22.64	0.184	23.28	0.213
3	16QAM	1	14	22.82	0.191	22.44	0.175	22.93	0.196
3	16QAM	8	0	21.73	0.149	21.77	0.150	21.90	0.155
3	16QAM	8	4	21.67	0.147	21.67	0.147	21.67	0.147
3	16QAM	8	7	21.66	0.147	21.74	0.149	21.63	0.146
3	16QAM	15	0	21.78	0.151	21.71	0.148	21.91	0.155

LTE Band 12				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.67	0.233	23.68	0.233	23.65	0.232
1.4	QPSK	1	2	23.71	0.235	23.61	0.230	23.73	0.236
1.4	QPSK	1	5	23.65	0.232	23.54	0.226	23.74	0.237
1.4	QPSK	3	0	23.54	0.226	23.58	0.228	23.67	0.233
1.4	QPSK	3	2	23.49	0.223	23.54	0.226	23.58	0.228
1.4	QPSK	3	3	23.70	0.234	23.66	0.232	23.67	0.233
1.4	QPSK	6	0	22.65	0.184	22.61	0.182	22.69	0.186
1.4	16QAM	1	0	22.99	0.199	22.22	0.167	23.00	0.200
1.4	16QAM	1	2	22.98	0.199	22.59	0.182	23.24	0.211
1.4	16QAM	1	5	22.80	0.191	22.40	0.174	22.90	0.195
1.4	16QAM	3	0	22.62	0.183	22.64	0.184	22.78	0.190
1.4	16QAM	3	2	22.56	0.180	22.54	0.179	22.55	0.180
1.4	16QAM	3	3	22.56	0.180	22.62	0.183	22.50	0.178
1.4	16QAM	6	0	21.75	0.150	21.67	0.147	21.88	0.154

LTE Band 13				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel						23230			
Frequency (MHz)						782			
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	20.71	0.118	/	/
10	QPSK	1	25	/	/	20.80	0.120	/	/
10	QPSK	1	49	/	/	20.66	0.116	/	/
10	QPSK	25	0	/	/	19.82	0.096	/	/
10	QPSK	25	13	/	/	19.74	0.094	/	/
10	QPSK	25	25	/	/	19.83	0.096	/	/
10	QPSK	50	0	/	/	19.69	0.093	/	/
10	16QAM	1	0	/	/	20.06	0.101	/	/
10	16QAM	1	25	/	/	20.36	0.109	/	/
10	16QAM	1	49	/	/	19.89	0.097	/	/
10	16QAM	25	0	/	/	18.73	0.075	/	/
10	16QAM	25	13	/	/	18.78	0.076	/	/
10	16QAM	25	25	/	/	18.83	0.076	/	/
10	16QAM	50	0	/	/	18.77	0.075	/	/

LTE Band 13				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.67	0.117	20.58	0.114	20.73	0.118
5	QPSK	1	13	20.74	0.119	20.63	0.116	20.72	0.118
5	QPSK	1	24	20.53	0.113	20.64	0.116	20.60	0.115
5	QPSK	12	0	19.82	0.096	19.72	0.094	19.77	0.095
5	QPSK	12	6	19.80	0.095	19.75	0.094	19.81	0.096
5	QPSK	12	13	19.70	0.093	19.77	0.095	19.78	0.095
5	QPSK	25	0	19.76	0.095	19.69	0.093	19.75	0.094
5	16QAM	1	0	20.01	0.100	19.36	0.086	19.55	0.090
5	16QAM	1	13	20.09	0.102	19.40	0.087	19.30	0.085
5	16QAM	1	24	19.98	0.100	19.11	0.081	19.38	0.087
5	16QAM	12	0	18.45	0.070	18.47	0.070	18.63	0.073
5	16QAM	12	6	18.58	0.072	18.70	0.074	18.60	0.072
5	16QAM	12	13	18.71	0.074	18.55	0.072	18.52	0.071
5	16QAM	25	0	18.69	0.074	18.91	0.078	18.57	0.072

LTE Band 66				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	26.03	0.401	26.16	0.413	26.17	0.414
20	QPSK	1	50	25.95	0.394	26.41	0.438	26.21	0.418
20	QPSK	1	99	25.98	0.396	26.26	0.423	26.05	0.403
20	QPSK	50	0	25.16	0.328	25.25	0.335	24.96	0.313
20	QPSK	50	25	25.07	0.321	25.41	0.348	25.01	0.317
20	QPSK	50	50	25.27	0.337	25.24	0.334	25.03	0.318
20	QPSK	100	0	25.19	0.330	25.33	0.341	24.94	0.312
20	16QAM	1	0	25.43	0.349	24.97	0.314	24.79	0.301
20	16QAM	1	50	25.04	0.319	25.42	0.348	25.19	0.330
20	16QAM	1	99	25.18	0.330	25.03	0.318	24.83	0.304
20	16QAM	50	0	24.23	0.265	24.29	0.269	23.98	0.250
20	16QAM	50	25	24.00	0.251	24.45	0.279	24.11	0.258
20	16QAM	50	50	24.38	0.274	24.29	0.269	24.15	0.260
20	16QAM	100	0	24.28	0.268	24.44	0.278	24.04	0.254

LTE Band 66				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	26.06	0.404	26.20	0.417	26.20	0.417
15	QPSK	1	38	25.96	0.394	26.45	0.442	26.23	0.420
15	QPSK	1	74	26.00	0.398	26.27	0.424	26.08	0.406
15	QPSK	36	0	25.19	0.330	25.30	0.339	26.00	0.398
15	QPSK	36	18	25.09	0.323	25.45	0.351	25.04	0.319
15	QPSK	36	39	25.30	0.339	25.29	0.338	25.07	0.321
15	QPSK	75	0	25.22	0.333	25.38	0.345	24.98	0.315
15	16QAM	1	0	25.45	0.351	25.01	0.317	24.84	0.305
15	16QAM	1	38	25.08	0.322	25.44	0.350	25.23	0.333
15	16QAM	1	74	25.20	0.331	25.06	0.321	24.85	0.305
15	16QAM	36	0	24.26	0.267	24.33	0.271	24.01	0.252
15	16QAM	36	18	24.03	0.253	24.47	0.280	24.14	0.259
15	16QAM	36	39	24.41	0.276	24.34	0.272	24.19	0.262
15	16QAM	75	0	24.30	0.269	24.48	0.281	24.07	0.255

LTE Band 66				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	26.07	0.405	26.24	0.421	26.22	0.419
10	QPSK	1	25	25.98	0.396	26.46	0.443	26.26	0.423
10	QPSK	1	49	26.03	0.401	26.32	0.429	26.12	0.409
10	QPSK	25	0	25.21	0.332	25.34	0.342	25.03	0.318
10	QPSK	25	13	25.12	0.325	25.50	0.355	25.08	0.322
10	QPSK	25	25	25.33	0.341	25.32	0.340	25.11	0.324
10	QPSK	50	0	25.24	0.334	25.42	0.348	25.03	0.318
10	16QAM	1	0	25.50	0.355	25.03	0.318	24.86	0.306
10	16QAM	1	25	25.10	0.324	25.47	0.352	25.25	0.335
10	16QAM	1	49	25.23	0.333	25.10	0.324	24.88	0.308
10	16QAM	25	0	24.29	0.269	24.35	0.272	24.04	0.254
10	16QAM	25	13	24.06	0.255	24.52	0.283	24.18	0.262
10	16QAM	25	25	24.43	0.277	24.38	0.274	24.22	0.264
10	16QAM	50	0	24.33	0.271	24.53	0.284	24.11	0.258

LTE Band 66				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	26.05	0.403	26.23	0.420	26.19	0.416
5	QPSK	1	13	25.95	0.394	26.41	0.438	26.22	0.419
5	QPSK	1	24	26.01	0.399	26.28	0.425	26.09	0.406
5	QPSK	12	0	25.18	0.330	25.29	0.338	24.99	0.316
5	QPSK	12	6	25.09	0.323	25.45	0.351	25.04	0.319
5	QPSK	12	13	25.31	0.340	25.28	0.337	25.06	0.321
5	QPSK	25	0	25.16	0.328	25.40	0.347	24.99	0.316
5	16QAM	1	0	25.48	0.353	25.00	0.316	24.84	0.305
5	16QAM	1	13	25.07	0.321	25.43	0.349	25.22	0.333
5	16QAM	1	24	25.20	0.331	25.08	0.322	24.85	0.305
5	16QAM	12	0	24.26	0.267	24.30	0.269	24.00	0.251
5	16QAM	12	6	24.04	0.254	24.48	0.281	24.15	0.260
5	16QAM	12	13	24.40	0.275	24.33	0.271	24.18	0.262
5	16QAM	25	0	24.30	0.269	24.48	0.281	24.07	0.255

LTE Band 66				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	26.08	0.406	26.25	0.422	26.23	0.420
3	QPSK	1	7	25.97	0.395	26.45	0.442	26.25	0.422
3	QPSK	1	14	26.04	0.402	26.33	0.430	26.13	0.410
3	QPSK	8	0	25.21	0.332	25.34	0.342	25.03	0.318
3	QPSK	8	4	25.11	0.324	25.49	0.354	25.09	0.323
3	QPSK	8	7	25.33	0.341	25.30	0.339	25.10	0.324
3	QPSK	15	0	25.18	0.330	25.41	0.348	25.01	0.317
3	16QAM	1	0	25.51	0.356	25.04	0.319	24.87	0.307
3	16QAM	1	7	25.10	0.324	25.45	0.351	25.25	0.335
3	16QAM	1	14	25.23	0.333	25.10	0.324	24.89	0.308
3	16QAM	8	0	24.28	0.268	24.34	0.272	24.03	0.253
3	16QAM	8	4	24.07	0.255	24.53	0.284	24.19	0.262
3	16QAM	8	7	24.43	0.277	24.38	0.274	24.22	0.264
3	16QAM	15	0	24.32	0.270	24.52	0.283	24.12	0.258

LTE Band 66				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	26.06	0.404	26.21	0.418	26.20	0.417
1.4	QPSK	1	2	25.94	0.393	26.40	0.437	26.21	0.418
1.4	QPSK	1	5	26.01	0.399	26.28	0.425	26.09	0.406
1.4	QPSK	3	0	26.11	0.408	26.22	0.419	25.90	0.389
1.4	QPSK	3	2	25.99	0.397	26.39	0.436	25.97	0.395
1.4	QPSK	3	3	26.23	0.420	26.19	0.416	26.00	0.398
1.4	QPSK	6	0	25.15	0.327	25.37	0.344	24.98	0.315
1.4	16QAM	1	0	25.48	0.353	25.02	0.318	24.84	0.305
1.4	16QAM	1	2	25.07	0.321	25.40	0.347	25.21	0.332
1.4	16QAM	1	5	25.21	0.332	25.06	0.321	24.86	0.306
1.4	16QAM	3	0	25.17	0.329	25.21	0.332	24.91	0.310
1.4	16QAM	3	2	24.96	0.313	25.40	0.347	25.07	0.321
1.4	16QAM	3	3	25.33	0.341	25.26	0.336	25.09	0.323
1.4	16QAM	6	0	24.29	0.269	24.48	0.281	24.09	0.256

LTE Band 71				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.82	0.191	22.85	0.193	22.63	0.183
20	QPSK	1	50	23.13	0.206	22.92	0.196	22.76	0.189
20	QPSK	1	99	22.91	0.195	22.73	0.187	22.72	0.187
20	QPSK	50	0	21.82	0.152	21.98	0.158	21.95	0.157
20	QPSK	50	25	21.87	0.154	21.84	0.153	21.87	0.154
20	QPSK	50	50	22.03	0.160	22.01	0.159	21.99	0.158
20	QPSK	100	0	21.89	0.155	22.02	0.159	21.84	0.153
20	16QAM	1	0	21.72	0.149	22.30	0.170	22.54	0.179
20	16QAM	1	50	21.86	0.153	22.53	0.179	22.57	0.181
20	16QAM	1	99	21.89	0.155	22.07	0.161	22.45	0.176
20	16QAM	50	0	20.95	0.124	20.91	0.123	20.74	0.119
20	16QAM	50	25	20.90	0.123	20.94	0.124	20.91	0.123
20	16QAM	50	50	21.05	0.127	20.88	0.122	20.79	0.120
20	16QAM	100	0	20.99	0.126	21.15	0.130	20.97	0.125

LTE Band 71				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.85	0.193	22.70	0.186	22.66	0.185
15	QPSK	1	38	23.14	0.206	22.80	0.191	22.78	0.190
15	QPSK	1	74	22.93	0.196	22.78	0.190	22.75	0.188
15	QPSK	36	0	21.85	0.153	21.94	0.156	21.99	0.158
15	QPSK	36	18	21.89	0.155	21.90	0.155	21.90	0.155
15	QPSK	36	39	22.06	0.161	21.82	0.152	22.03	0.160
15	QPSK	75	0	21.92	0.156	21.80	0.151	21.88	0.154
15	16QAM	1	0	21.74	0.149	21.76	0.150	22.59	0.182
15	16QAM	1	38	21.90	0.155	21.78	0.151	22.61	0.182
15	16QAM	1	74	21.91	0.155	21.91	0.155	22.47	0.177
15	16QAM	36	0	20.98	0.125	20.94	0.124	20.77	0.119
15	16QAM	36	18	20.93	0.124	20.89	0.123	20.94	0.124
15	16QAM	36	39	21.08	0.128	20.81	0.121	20.83	0.121
15	16QAM	75	0	21.01	0.126	20.80	0.120	21.00	0.126

LTE Band 71				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				133172		133272		133422	
Frequency (MHz)				668		678		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.86	0.193	22.93	0.196	22.68	0.185
10	QPSK	1	25	23.16	0.207	22.97	0.198	22.81	0.191
10	QPSK	1	49	22.96	0.198	22.79	0.190	22.79	0.190
10	QPSK	25	0	21.87	0.154	22.07	0.161	22.02	0.159
10	QPSK	25	13	21.92	0.156	21.93	0.156	21.94	0.156
10	QPSK	25	25	22.09	0.162	22.09	0.162	22.07	0.161
10	QPSK	50	0	21.94	0.156	22.11	0.163	21.93	0.156
10	16QAM	1	0	21.79	0.151	22.36	0.172	22.61	0.182
10	16QAM	1	25	21.92	0.156	22.58	0.181	22.63	0.183
10	16QAM	1	49	21.94	0.156	22.14	0.164	22.50	0.178
10	16QAM	25	0	21.01	0.126	20.97	0.125	20.80	0.120
10	16QAM	25	13	20.96	0.125	21.01	0.126	20.98	0.125
10	16QAM	25	25	21.10	0.129	20.97	0.125	20.86	0.122
10	16QAM	50	0	21.04	0.127	21.24	0.133	21.04	0.127

LTE Band 71				E.I.R.P					
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /Freq.		Middle Channel /Freq.		High Channel /Freq.	
Channel				133147		133247		133447	
Frequency (MHz)				665.5		675.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.84	0.192	22.92	0.196	22.65	0.184
5	QPSK	1	13	23.13	0.206	22.92	0.196	22.77	0.189
5	QPSK	1	24	22.94	0.197	22.75	0.188	22.76	0.189
5	QPSK	12	0	21.84	0.153	22.02	0.159	21.98	0.158
5	QPSK	12	6	21.89	0.155	21.88	0.154	21.90	0.155
5	QPSK	12	13	22.07	0.161	22.05	0.160	22.02	0.159
5	QPSK	25	0	21.86	0.153	22.09	0.162	21.89	0.155
5	16QAM	1	0	21.77	0.150	22.33	0.171	22.59	0.182
5	16QAM	1	13	21.89	0.155	22.54	0.179	22.60	0.182
5	16QAM	1	24	21.91	0.155	22.12	0.163	22.47	0.177
5	16QAM	12	0	20.98	0.125	20.92	0.124	20.76	0.119
5	16QAM	12	6	20.94	0.124	20.97	0.125	20.95	0.124
5	16QAM	12	13	21.07	0.128	20.92	0.124	20.82	0.121
5	16QAM	25	0	21.01	0.126	21.19	0.132	21.00	0.126

4. Radiated Spurious Emissions

4.1 Standard Applicable

According to §22.917(a), the power of any emissions 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.

According to §24.238(a), 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.

According to §27.53(h), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10 (P) dB.

According to §27.53(g) the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

4.2 Test Procedure

1. The setup of EUT is according with per ANSI/TIA-603-E and ANSI C63.4-2014 measurement procedure.
2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
3. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
4. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious attenuation limit in dB =43+10 Log_{10} (power out in Watts)

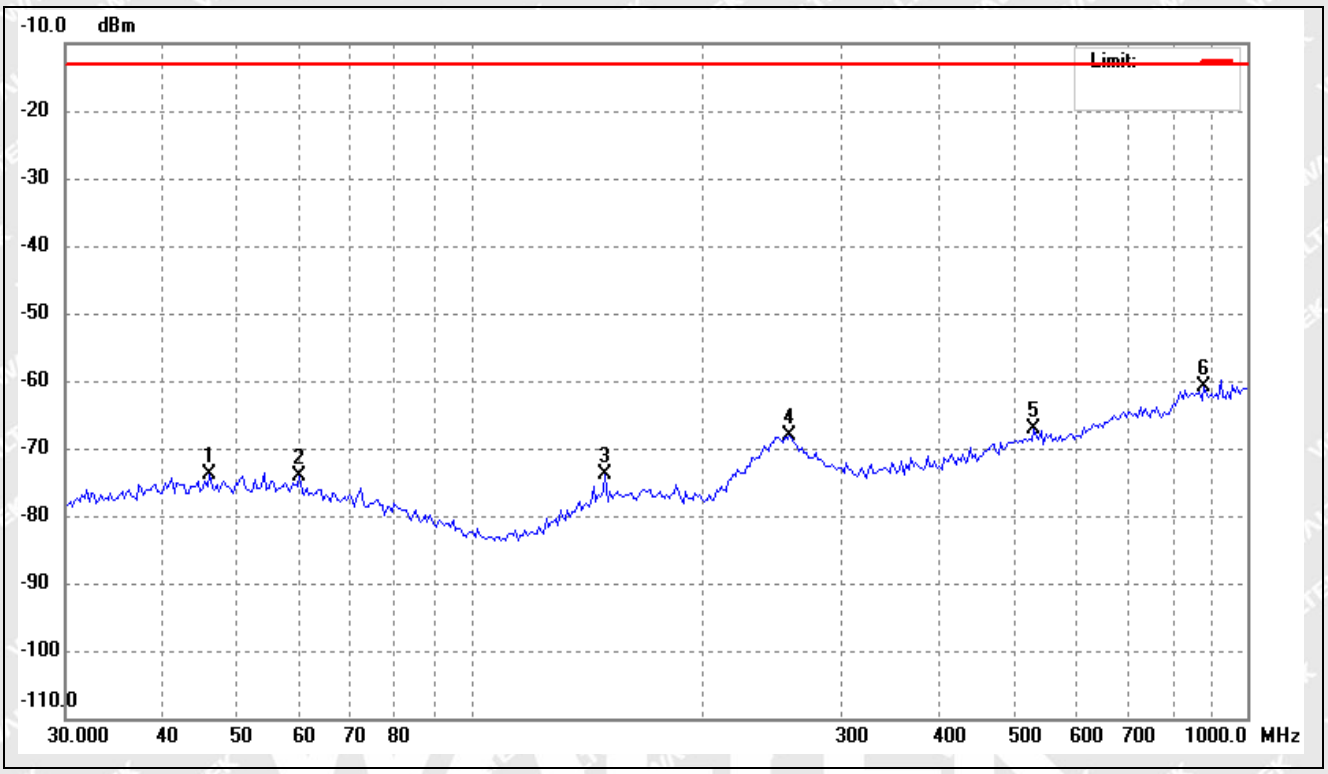
4.3 Summary of Test Results/Plots

Note: 1. this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

2. All test modes (different bandwidth and different modulation) are performed, but only the worst case is recorded in this report.

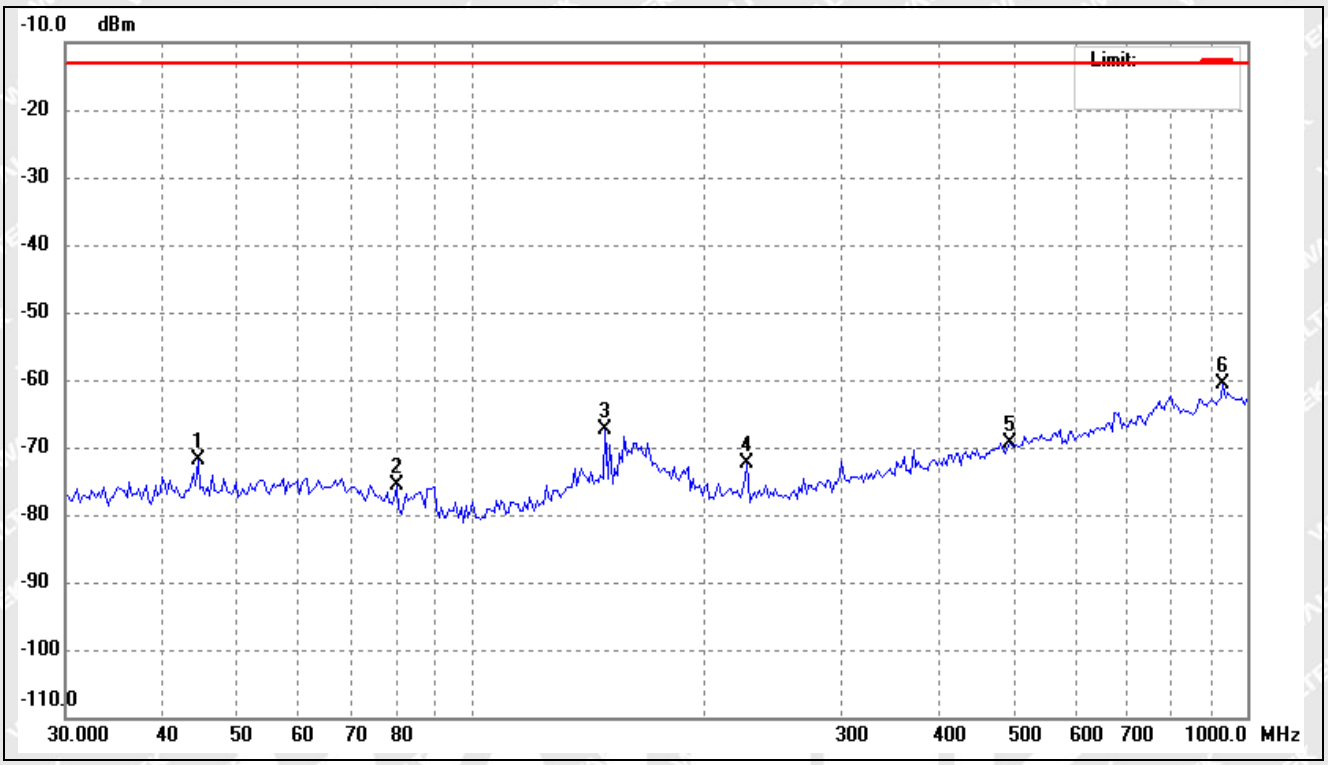
➢ Spurious Emissions Below 1GHz

Test Mode	FDD_LTE Band 2	Polarity:	Horizontal



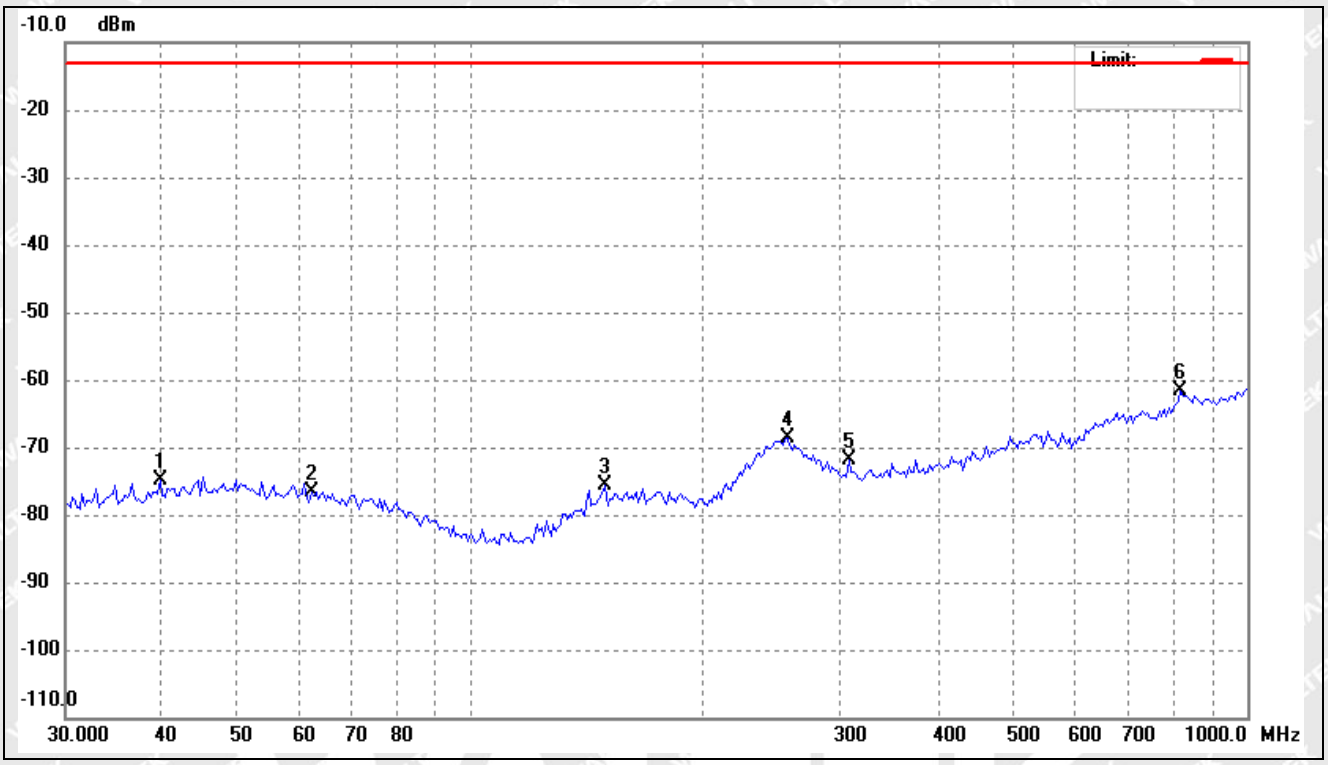
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	46.0558	-76.94	3.13	-73.81	-13.00	-60.81	ERP
2	60.1528	-76.32	2.27	-74.05	-13.00	-61.05	ERP
3	148.9175	-74.69	0.75	-73.94	-13.00	-60.94	ERP
4	257.6266	-76.01	7.92	-68.09	-13.00	-55.09	ERP
5	531.2910	-74.67	7.57	-67.10	-13.00	-54.10	ERP
6	881.1838	-73.94	13.15	-60.79	-13.00	-47.79	ERP

Test Mode	FDD_LTE Band 2	Polarity:	Vertical



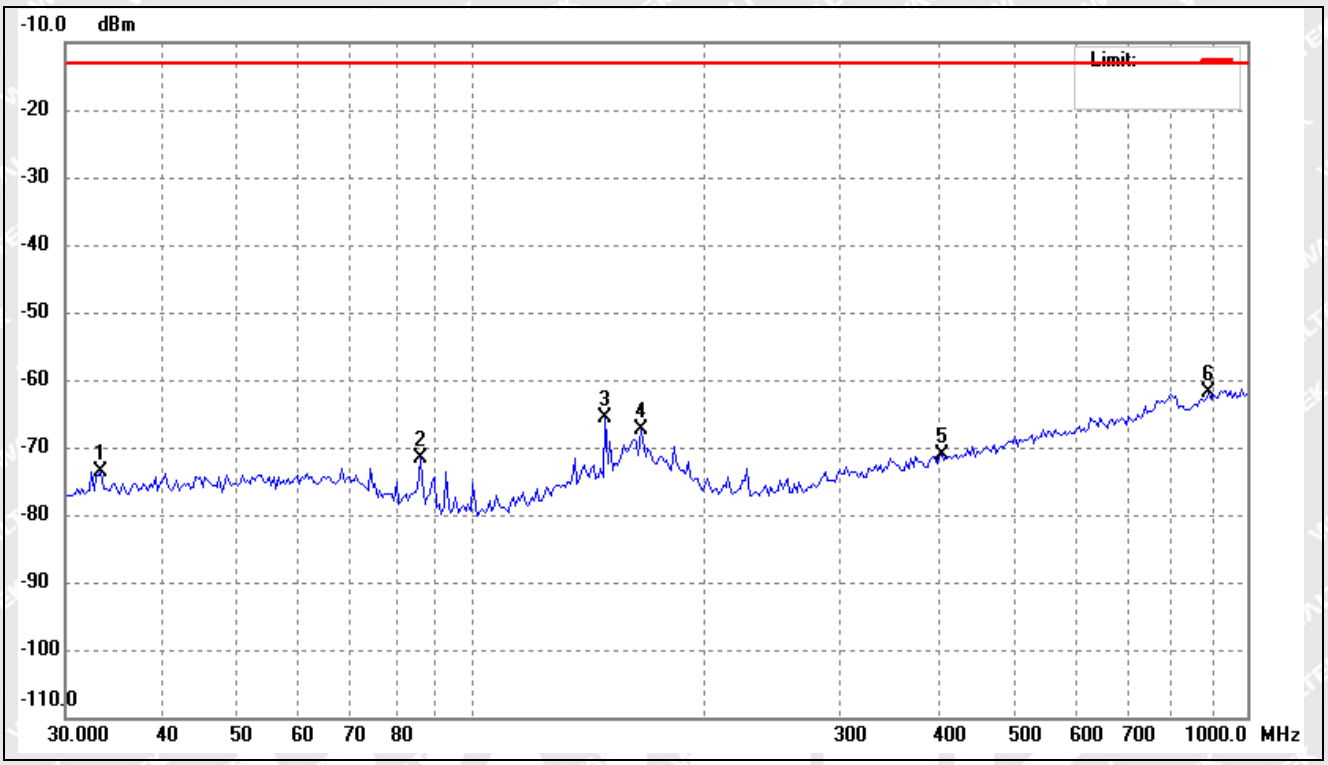
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	44.4657	-74.73	2.97	-71.76	-13.00	-58.76	ERP
2	80.2383	-76.03	0.34	-75.69	-13.00	-62.69	ERP
3	148.9175	-71.42	3.95	-67.47	-13.00	-54.47	ERP
4	227.0164	-73.33	1.03	-72.30	-13.00	-59.30	ERP
5	495.2379	-76.51	7.08	-69.43	-13.00	-56.43	ERP
6	932.1405	-73.20	12.49	-60.71	-13.00	-47.71	ERP

Test Mode	FDD_LTE Band 4	Polarity:	Horizontal



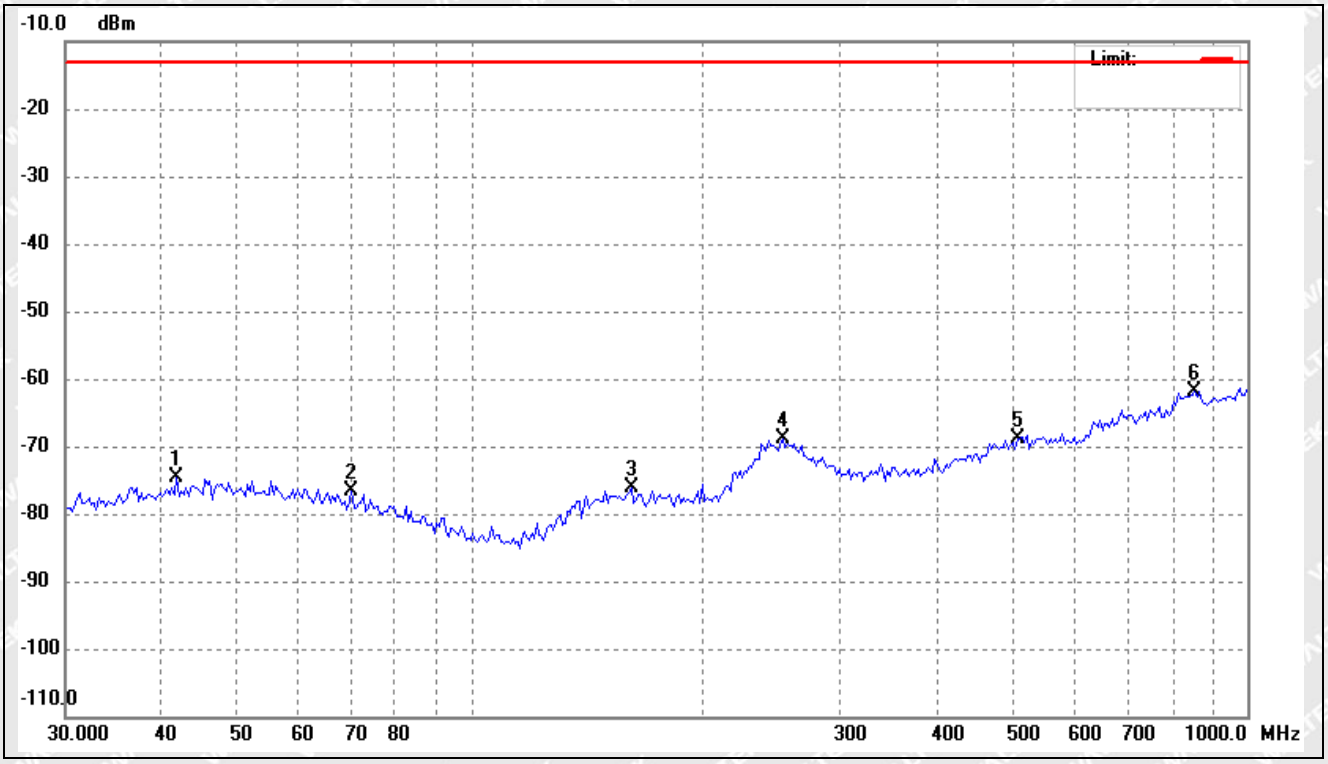
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	39.7371	-77.44	2.53	-74.91	-13.00	-61.91	ERP
2	62.3038	-78.57	2.01	-76.56	-13.00	-63.56	ERP
3	148.9175	-76.34	0.75	-75.59	-13.00	-62.59	ERP
4	255.8226	-76.81	8.07	-68.74	-13.00	-55.74	ERP
5	307.1053	-76.17	4.41	-71.76	-13.00	-58.76	ERP
6	821.3871	-74.63	12.97	-61.66	-13.00	-48.66	ERP

Test Mode	FDD_LTE Band 4	Polarity:	Vertical



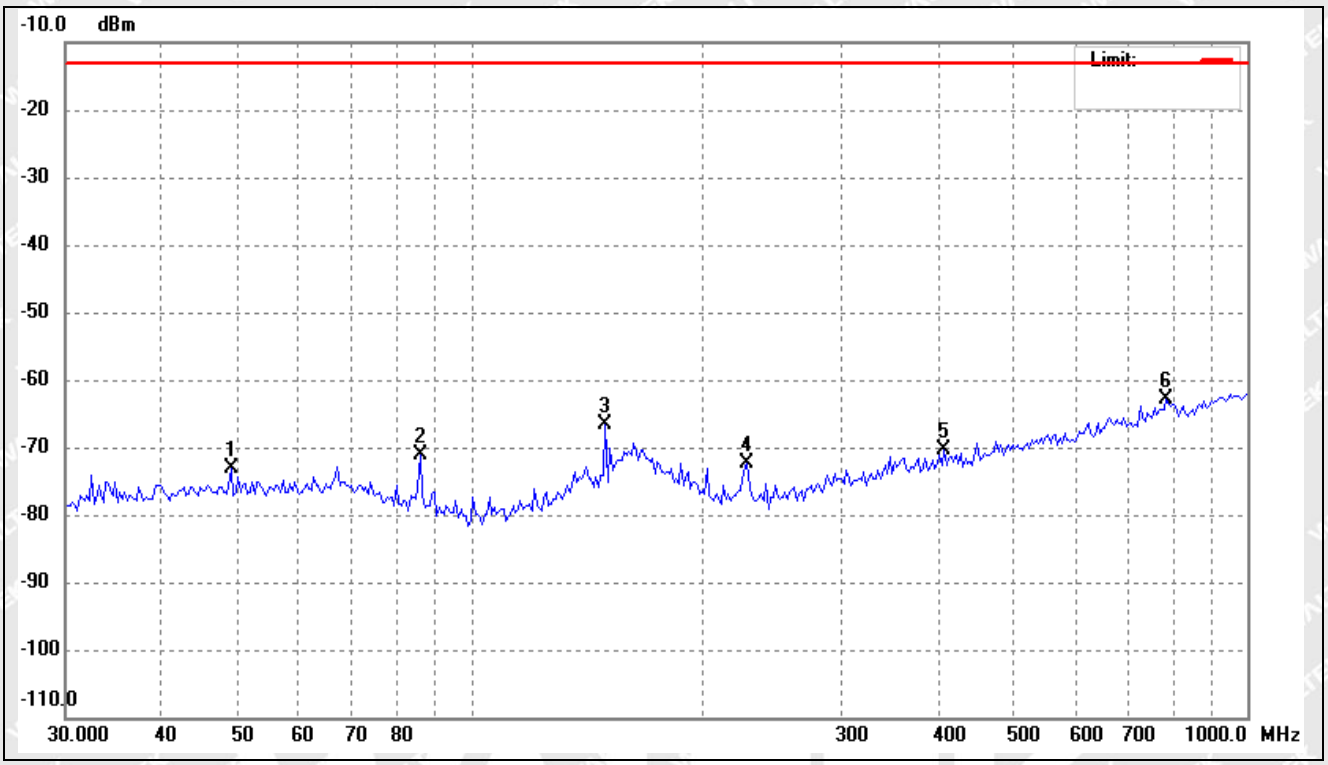
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	33.3349	-75.56	1.92	-73.64	-13.00	-60.64	ERP
2	86.0795	-70.36	-1.23	-71.59	-13.00	-58.59	ERP
3	148.9175	-69.52	3.95	-65.57	-13.00	-52.57	ERP
4	165.4716	-74.44	6.96	-67.48	-13.00	-54.48	ERP
5	403.9335	-76.48	5.44	-71.04	-13.00	-58.04	ERP
6	893.6557	-74.09	12.20	-61.89	-13.00	-48.89	ERP

Test Mode	FDD_LTE Band 5	Polarity:	Horizontal



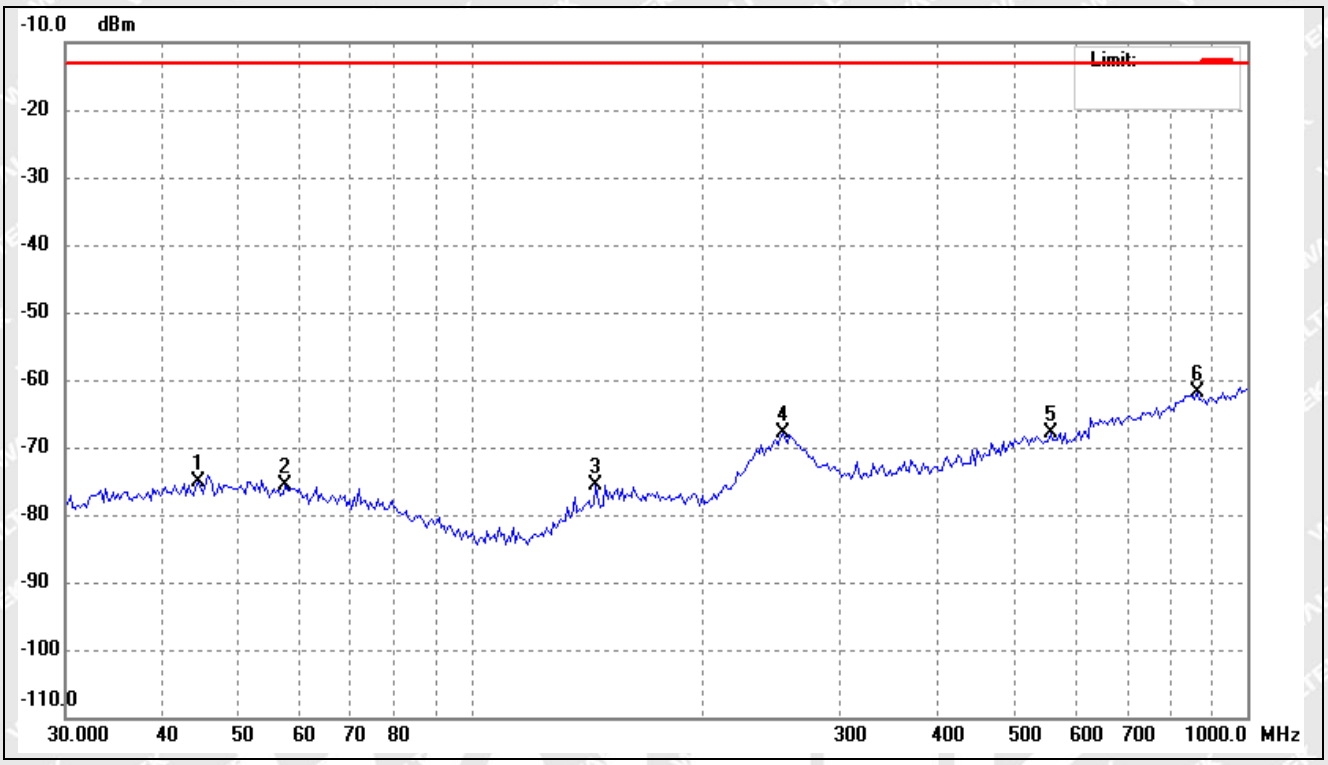
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	41.7406	-77.41	2.72	-74.69	-13.00	-61.69	ERP
2	70.2096	-77.61	1.03	-76.58	-13.00	-63.58	ERP
3	160.8852	-77.00	0.98	-76.02	-13.00	-63.02	ERP
4	252.2523	-77.23	8.36	-68.87	-13.00	-55.87	ERP
5	505.7891	-76.23	7.34	-68.89	-13.00	-55.89	ERP
6	856.7597	-75.18	13.42	-61.76	-13.00	-48.76	ERP

Test Mode	FDD_LTE Band 5	Polarity:	Vertical



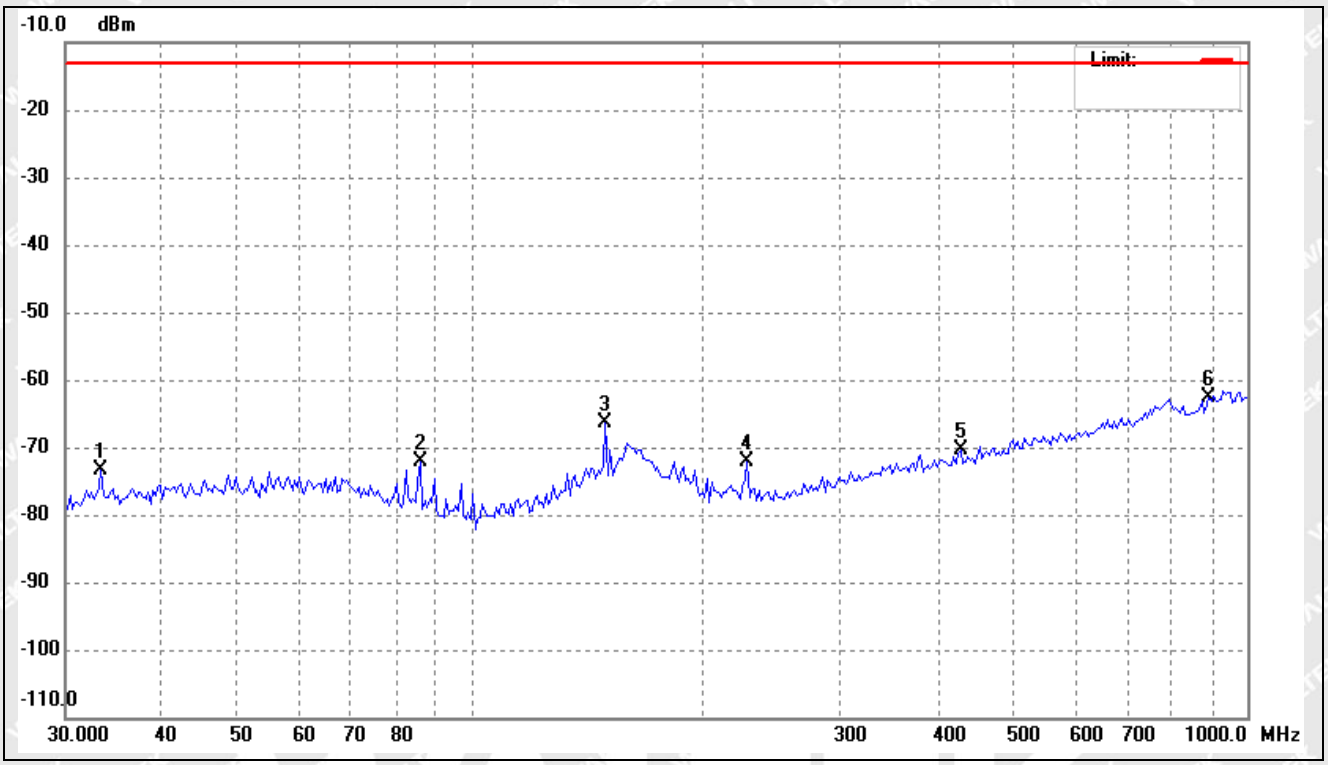
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	49.0627	-76.64	3.41	-73.23	-13.00	-60.23	ERP
2	86.0795	-69.92	-1.23	-71.15	-13.00	-58.15	ERP
3	148.9175	-70.67	3.95	-66.72	-13.00	-53.72	ERP
4	227.0164	-73.45	1.03	-72.42	-13.00	-59.42	ERP
5	406.7820	-75.79	5.49	-70.30	-13.00	-57.30	ERP
6	787.4749	-75.14	12.34	-62.80	-13.00	-49.80	ERP

Test Mode	FDD_LTE Band 12	Polarity:	Horizontal



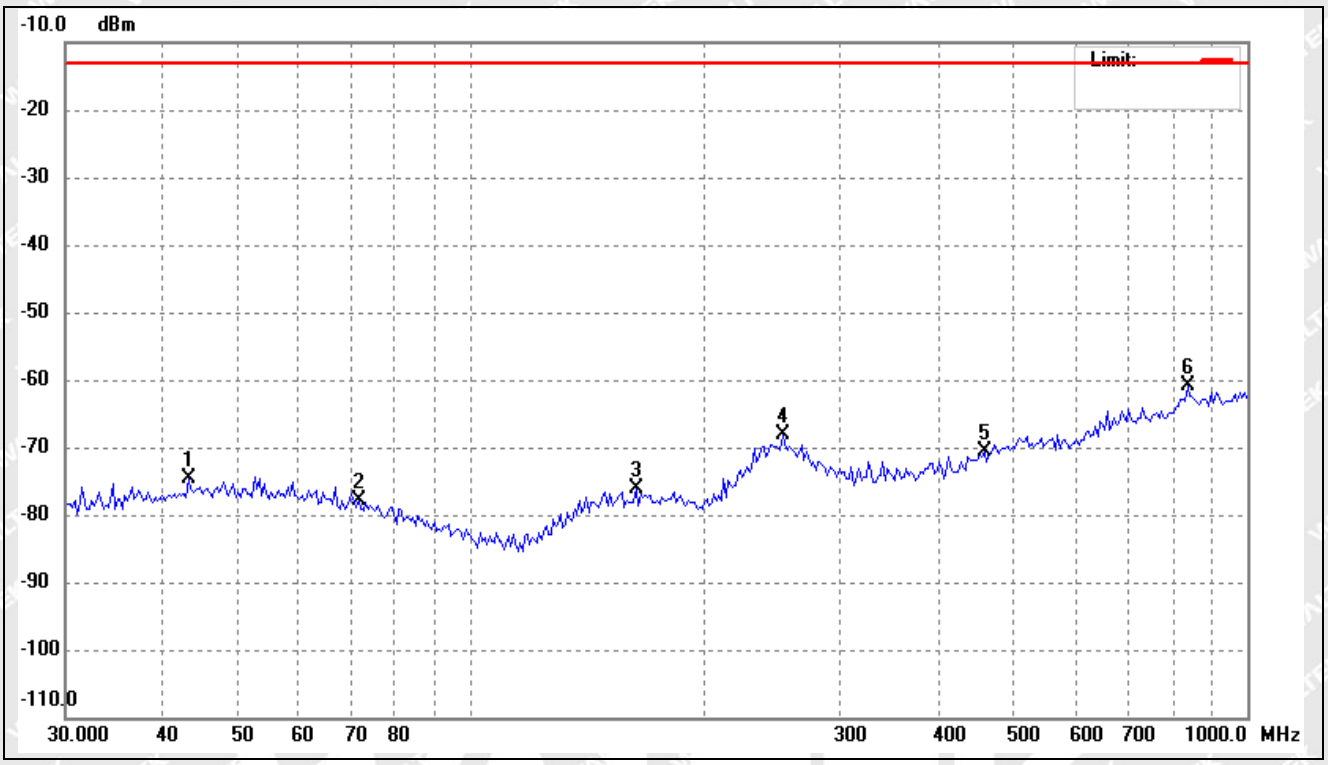
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	44.4657	-78.19	2.97	-75.22	-13.00	-62.22	ERP
2	57.6693	-78.22	2.57	-75.65	-13.00	-62.65	ERP
3	144.7899	-75.89	0.25	-75.64	-13.00	-62.64	ERP
4	252.2523	-76.31	8.36	-67.95	-13.00	-54.95	ERP
5	558.0788	-75.70	7.81	-67.89	-13.00	-54.89	ERP
6	862.8015	-75.06	13.23	-61.83	-13.00	-48.83	ERP

Test Mode	FDD_LTE Band 12	Polarity:	Vertical



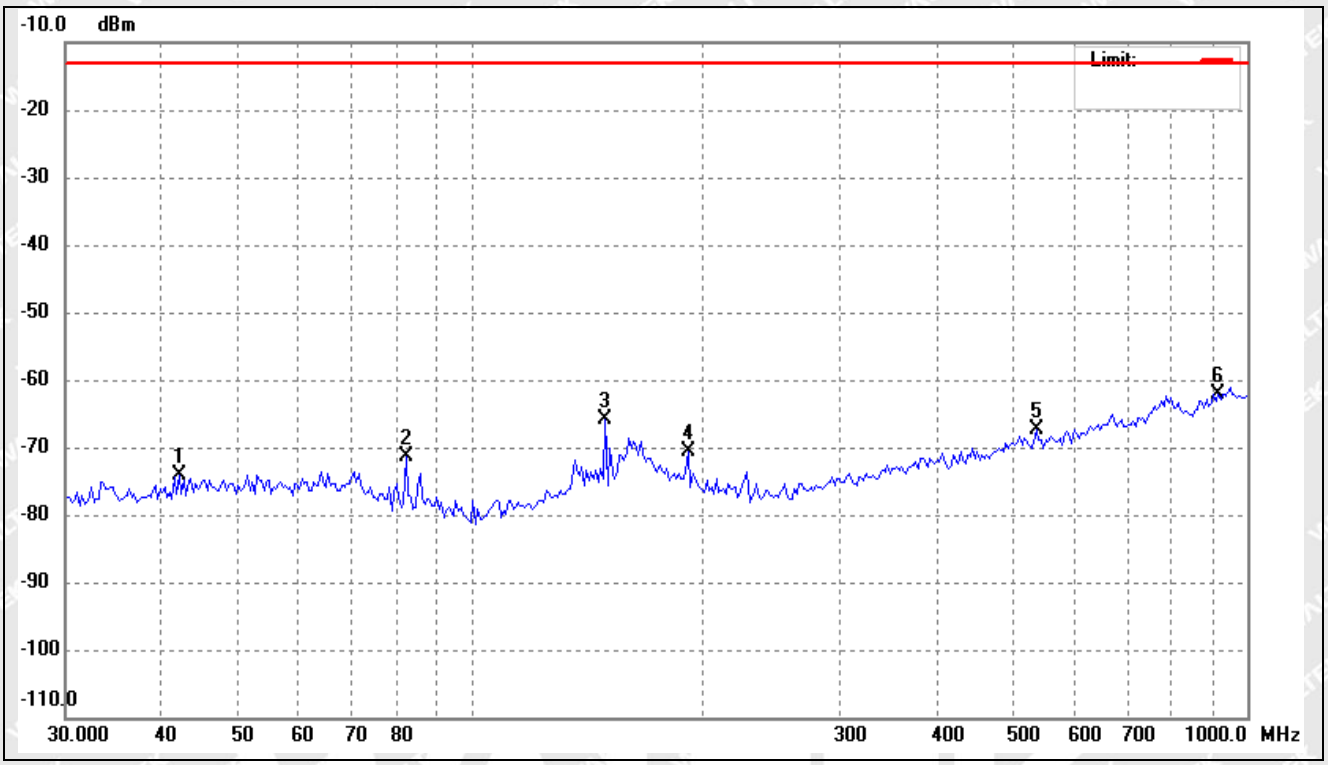
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	33.3349	-75.34	1.92	-73.42	-13.00	-60.42	ERP
2	86.0796	-70.77	-1.23	-72.00	-13.00	-59.00	ERP
3	148.9175	-70.34	3.95	-66.39	-13.00	-53.39	ERP
4	227.0164	-73.21	1.03	-72.18	-13.00	-59.18	ERP
5	427.2920	-76.14	5.86	-70.28	-13.00	-57.28	ERP
6	893.6557	-74.91	12.20	-62.71	-13.00	-49.71	ERP

Test Mode	FDD_LTE Band 13	Polarity:	Horizontal



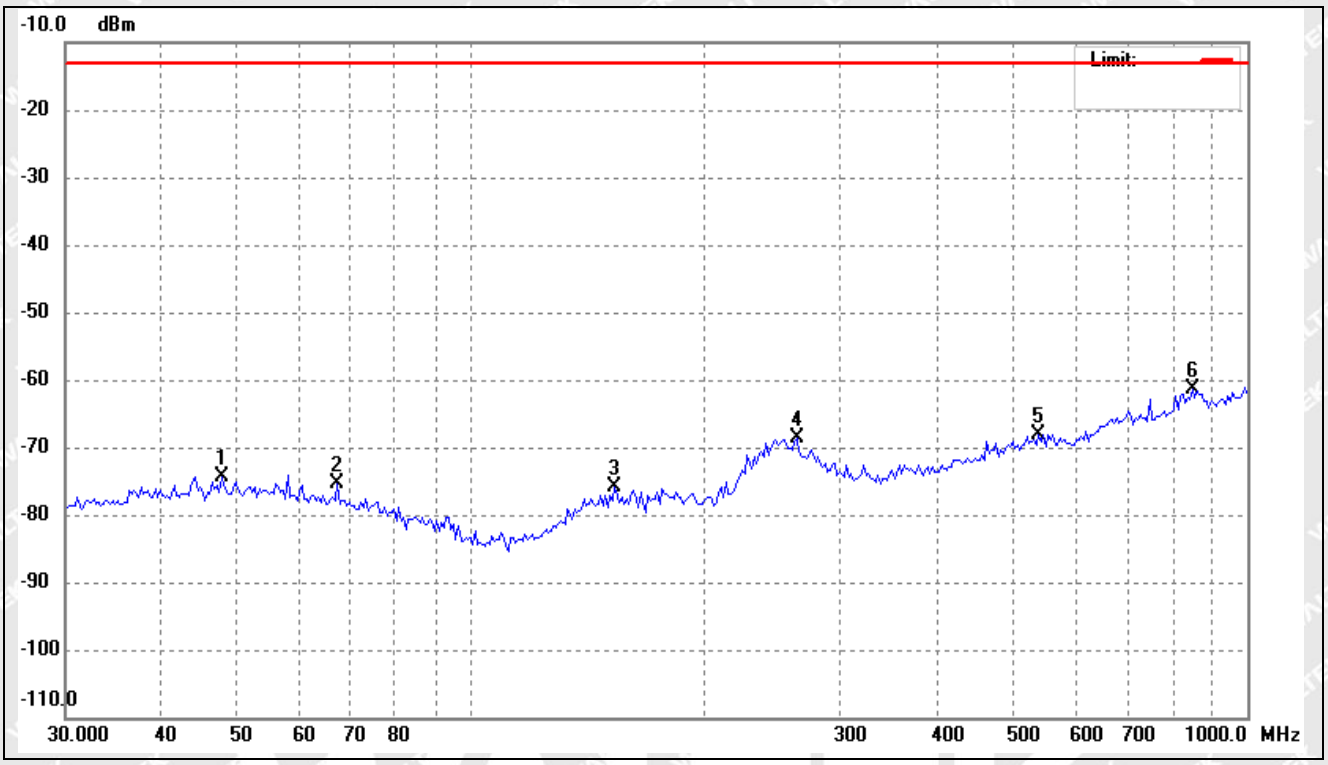
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	43.2333	-77.59	2.86	-74.73	-13.00	-61.73	ERP
2	71.7054	-78.74	0.77	-77.97	-13.00	-64.97	ERP
3	163.1623	-77.01	0.98	-76.03	-13.00	-63.03	ERP
4	252.2523	-76.40	8.36	-68.04	-13.00	-55.04	ERP
5	458.3987	-76.72	6.19	-70.53	-13.00	-57.53	ERP
6	838.8870	-74.41	13.50	-60.91	-13.00	-47.91	ERP

Test Mode	FDD_LTE Band 13	Polarity:	Vertical



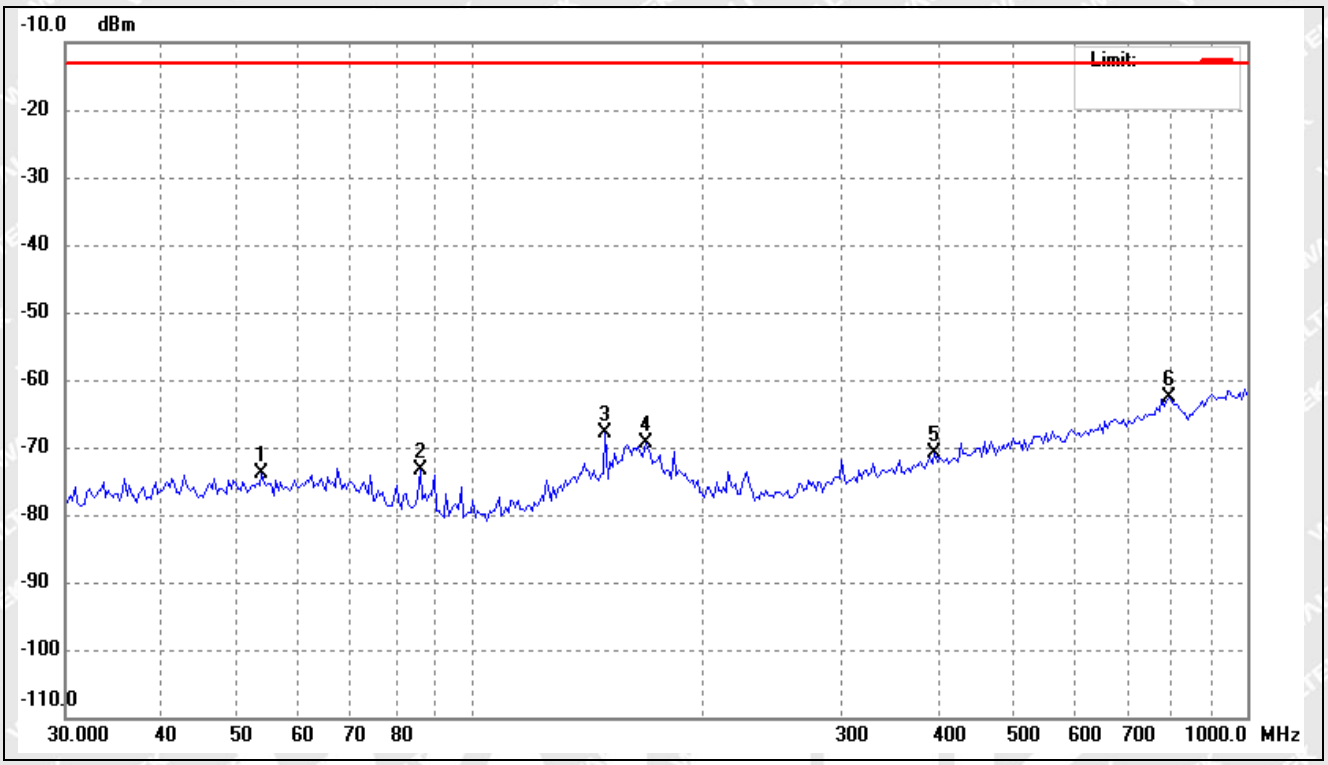
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	42.0350	-76.82	2.74	-74.08	-13.00	-61.08	ERP
2	82.5257	-71.20	-0.27	-71.47	-13.00	-58.47	ERP
3	148.9175	-69.82	3.95	-65.87	-13.00	-52.87	ERP
4	190.4411	-73.38	2.76	-70.62	-13.00	-57.62	ERP
5	535.0377	-75.18	7.75	-67.43	-13.00	-54.43	ERP
6	919.1315	-74.50	12.39	-62.11	-13.00	-49.11	ERP

Test Mode	FDD_LTE Band 66	Polarity:	Horizontal



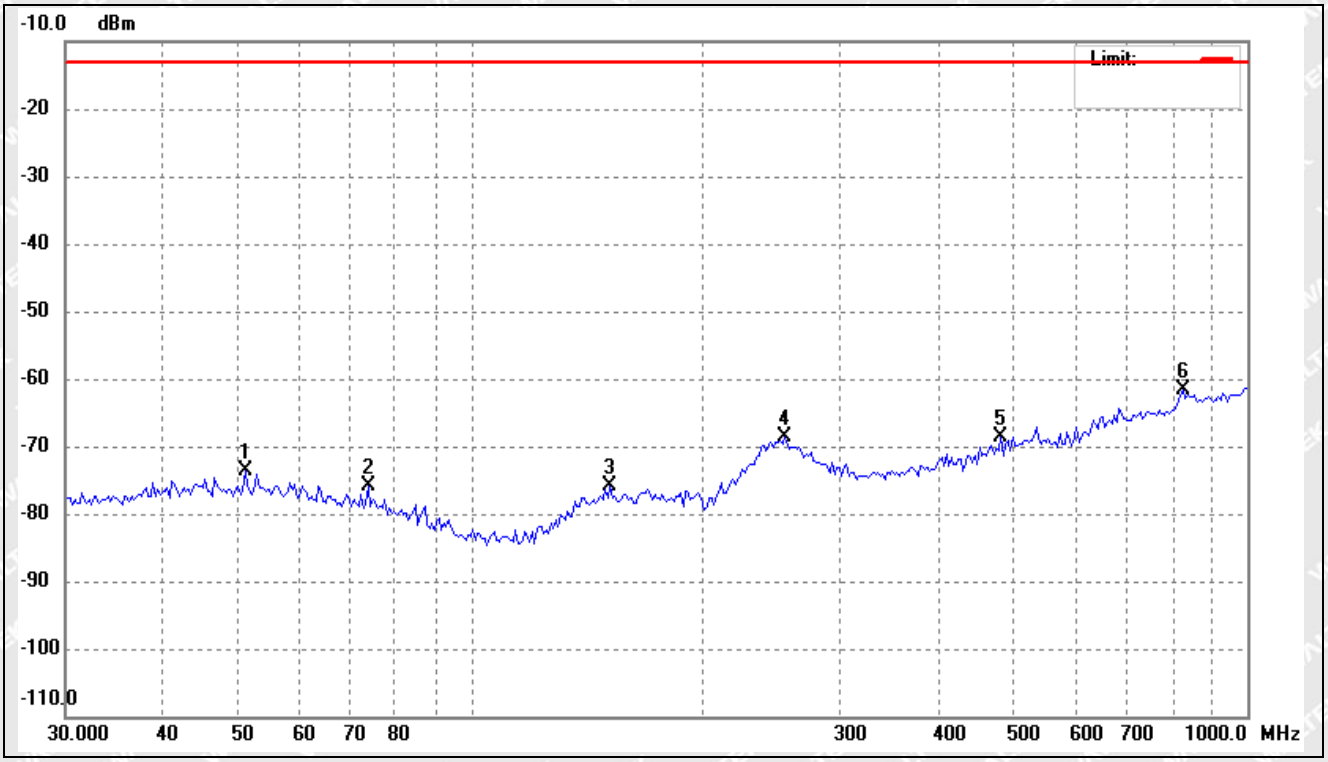
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	47.7028	-77.53	3.28	-74.25	-13.00	-61.25	ERP
2	67.3109	-76.83	1.40	-75.43	-13.00	-62.43	ERP
3	153.1627	-76.77	0.91	-75.86	-13.00	-62.86	ERP
4	263.1155	-76.06	7.46	-68.60	-13.00	-55.60	ERP
5	538.8107	-75.79	7.64	-68.15	-13.00	-55.15	ERP
6	850.7603	-75.02	13.61	-61.41	-13.00	-48.41	ERP

Test Mode	FDD_LTE Band 66	Polarity:	Vertical



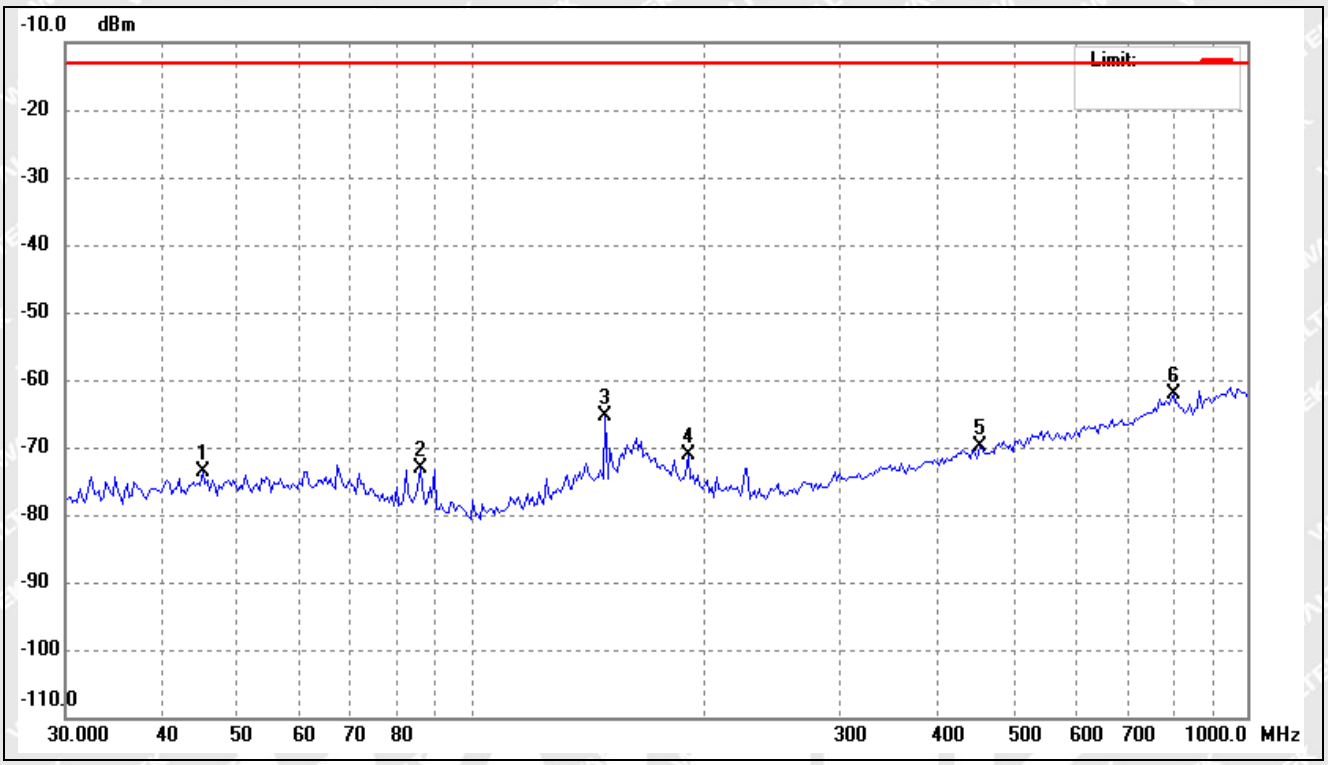
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	53.7559	-77.31	3.42	-73.89	-13.00	-60.89	ERP
2	86.0796	-72.07	-1.23	-73.30	-13.00	-60.30	ERP
3	148.9175	-71.81	3.95	-67.86	-13.00	-54.86	ERP
4	167.8136	-75.84	6.55	-69.29	-13.00	-56.29	ERP
5	395.5071	-76.05	5.28	-70.77	-13.00	-57.77	ERP
6	793.0281	-74.99	12.48	-62.51	-13.00	-49.51	ERP

Test Mode	FDD_LTE Band 71	Polarity:	Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	51.1756	-77.08	3.36	-73.72	-13.00	-60.72	ERP
2	73.7496	-76.33	0.41	-75.92	-13.00	-62.92	ERP
3	151.0252	-76.74	0.89	-75.85	-13.00	-62.85	ERP
4	254.0312	-76.93	8.21	-68.72	-13.00	-55.72	ERP
5	481.5112	-75.47	6.80	-68.67	-13.00	-55.67	ERP
6	827.1795	-74.97	13.24	-61.73	-13.00	-48.73	ERP

Test Mode	FDD_LTE Band 71	Polarity:	Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBm)	dB	(dBm)	(dBm)	(dB)	
1	45.0951	-76.73	3.03	-73.70	-13.00	-60.70	ERP
2	86.0796	-71.92	-1.23	-73.15	-13.00	-60.15	ERP
3	148.9175	-69.41	3.95	-65.46	-13.00	-52.46	ERP
4	190.4411	-73.87	2.76	-71.11	-13.00	-58.11	ERP
5	452.0013	-76.11	6.31	-69.80	-13.00	-56.80	ERP
6	804.2523	-74.52	12.43	-62.09	-13.00	-49.09	ERP

Note: Margin= (Reading+ Correct)- Limit

➢ Spurious Emissions Above 1GHz

For FDD_LTE Band 2 Mode

Frequency	Result	Limit	Margin	Polar
(MHz)	(dBm)	(dBm)	(dB)	H/V
Low Channel (1860MHz)				
3636.737	-54.42	-13	41.42	H
7153.794	-51.83	-13	38.83	H
1399.466	-59.13	-13	46.13	V
3683.409	-57.98	-13	44.98	V
Middle Channel (1880.0MHz)				
2311.770	-57.32	-13	44.32	H
3000.000	-56.63	-13	43.63	H
3606.7341	-57.97	-13	44.97	V
5315.2573	-58.94	-13	45.94	V
High Channel (1900MHz)				
3908.4343	-54.98	-13	41.98	H
5063.5626	-53.64	-13	40.64	H
3681.7424	-57.83	-13	44.83	V
5126.9030	-58.74	-13	45.74	V

For FDD_LTE Band 4 Mode

Frequency	Result	Limit	Margin	Polar
(MHz)	(dBm)	(dBm)	(dB)	H/V
Low Channel (1720MHz)				
2633.8780	-51.26	-13	38.26	H
3635.0706	-54.17	-13	41.17	H
2121.7072	-49.16	-13	36.16	V
3671.7413	-57.46	-13	44.46	V
Middle Channel (1732.5MHz)				
3136.6819	-56.58	-13	43.58	H
5063.5626	-54.32	-13	41.32	H
3625.0695	-58.04	-13	45.04	V
5055.2284	-58.64	-13	45.64	V
High Channel (1745MHz)				
3806.7563	-54.63	-13	41.63	H
7155.4617	-52.06	-13	39.06	H
3703.4115	-57.71	-13	44.71	V
7047.1163	-57.63	-13	44.63	V

For FDD_LTE Band 5 Mode

Frequency	Result	Limit	Margin	Polar
(MHz)	(dBm)	(dBm)	(dB)	H/V
Low Channel (829MHz)				
1408.1360	-57.91	-13	44.91	H
2308.4361	-56.00	-13	43.00	H
1401.4672	-58.51	-13	45.51	V
1928.3094	-53.66	-13	40.66	V
Middle Channel (836.5MHz)				
1411.4705	-59.59	-13	46.59	H
2337.7793	-57.09	-13	44.09	H
1429.4765	-60.84	-13	47.84	V
2030.3434	-62.23	-13	49.23	V
High Channel (844MHz)				
1414.8049	-57.93	-13	44.93	H
2303.1010	-55.92	-13	42.92	H
1470.1567	-59.38	-13	46.38	V
2490.4968	-60.29	-13	47.29	V

For FDD_LTE Band 12 Mode

Frequency	Result	Limit	Margin	Polar
(MHz)	(dBm)	(dBm)	(dB)	H/V
Low Channel (704MHz)				
1426.8089	-59.03	-13	46.03	H
2299.0997	-56.63	-13	43.63	H
1444.8149	-60.39	-13	47.39	V
2526.5088	-61.91	-13	48.91	V
Middle Channel (707.5MHz)				
1430.8103	-60.21	-13	47.21	H
2337.7793	-57.49	-13	44.49	H
1418.1394	-60.69	-13	47.69	V
1938.3128	-62.19	-13	49.19	V
High Channel (711MHz)				
1424.8083	-58.39	-13	45.39	H
2320.4401	-56.84	-13	43.84	H
1443.4812	-60.50	-13	47.50	V
2516.5055	-60.88	-13	47.88	V

For FDD_LTE Band 13 Mode

Frequency	Result	Limit	Margin	Polar
(MHz)	(dBm)	(dBm)	(dB)	H/V
Low Channel (779.5MHz)				
1406.1354	-59.72	-13	46.72	H
2335.1117	-56.97	-13	43.97	H
1938.3128	-62.02	-13	49.02	V
3668.4076	-58.08	-13	45.08	V
Middle Channel (782MHz)				
1420.8069	-59.52	-13	46.52	H
2307.1024	-56.41	-13	43.41	H
1444.8149	-60.60	-13	47.60	V
1964.3214	-61.87	-13	48.87	V
High Channel (784.5MHz)				
2325.1084	-57.19	-13	44.19	H
3795.0883	-54.49	-13	41.49	H
1441.4805	-60.25	-13	47.25	V
2028.3428	-61.57	-13	48.57	V

For FDD_LTE Band 66 Mode

Frequency	Result	Limit	Margin	Polar
(MHz)	(dBm)	(dBm)	(dB)	H/V
Low Channel (1720MHz)				
1430.1434	-60.02	-13	47.02	H
3056.6730	-56.90	-13	43.90	H
1442.8143	-60.38	-13	47.38	V
3138.3487	-60.29	-13	47.29	V
Middle Channel (1745MHz)				
1400.8003	-59.89	-13	46.89	H
2317.7726	-57.19	-13	44.19	H
1435.4785	-59.64	-13	46.64	V
2703.9013	-61.38	-13	48.38	V
High Channel (1770MHz)				
2303.7679	-57.37	-13	44.37	H
3893.4326	-54.40	-13	41.40	H
1457.4858	-60.75	-13	47.75	V
2320.4401	-61.45	-13	48.45	V

For FDD_LTE Band 71 Mode

Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)	Polar H/V
Low Channel (673MHz)				
1435.4785	-59.69	-13	46.69	H
2324.4415	-57.06	-13	44.06	H
1442.1474	-60.78	-13	47.78	V
2321.1070	-62.20	-13	49.20	V
Middle Channel (683MHz)				
1430.8103	-59.99	-13	46.99	H
2332.4441	-57.01	-13	44.01	H
1434.1447	-60.56	-13	47.56	V
2001.6672	-62.05	-13	49.05	V
High Channel (688MHz)				
2317.1057	-57.29	-13	44.29	H
3150.0167	-56.38	-13	43.38	H
1413.4712	-60.60	-13	47.60	V
2321.7739	-61.77	-13	48.77	V

Note: Margin= Result- Limit

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, other than listed in the table above are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

TEST SETUP PHOTOGRAPHS

Please refer to “ANNEX”

******* END OF REPORT *******