

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT**

Applicant: HP Inc.
1501 Page Mill Road, Palo Alto, CA 94304, USA
Manufacturer: HP Inc.
1501 Page Mill Road, Palo Alto, CA 94304, USA
Product Name: Notebook PC
Brand Name: HP
Model No.: R2022
Model Difference: N/A
Report Number: TERF2206000812E2
FCC ID B94R2022GPKV
Issue Date: Sep. 05, 2022
Date of Test: Jun. 22, 2022~Sep. 02, 2022
Date of EUT Received: Jun. 07, 2022

Vito Pei

Approved By _____**Vito Pei****We hereby certify that:**

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2, 22H & 24E & 27 C & 90S.

The results of this report relate only to the sample identified in this report.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2206000812E2	00	Original.	Aug. 10, 2022	Yami Kuo	
TERF2206000812E2	01	Add RF EIRP Power	Sep. 05, 2022	Yami Kuo	*

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.

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1 GENERAL PRODUCT INFORMATION

1.1 Product Description

Product Name:	Notebook PC
Brand Name:	HP
Model No.:	R2022
Model Difference:	N/A
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	5CD21235KV
Power Supply:	7.68 Vdc from Rechargeable Li-Polymer Battery or 5 / 9 / 12 / 15 Vdc from AC/DC Adapter
Test Software (Name/Version)	Default (link 8820C)

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1.2 Operation Frequency Range

LTE Band 2		
BW (MHz)	Operation Frequency (MHz)	
1.4	1850.7	- 1909.3
3	1851.5	- 1908.5
5	1852.5	- 1907.5
10	1855.0	- 1905.0
15	1857.5	- 1902.5
20	1860.0	- 1900.0

LTE Band 4		
BW (MHz)	Operation Frequency (MHz)	
1.4	1710.7	- 1754.3
3	1711.5	- 1753.5
5	1712.5	- 1752.5
10	1715.0	- 1750.0
15	1717.5	- 1747.5
20	1720.0	- 1745.0

LTE Band 5		
BW (MHz)	Operation Frequency (MHz)	
1.4	824.7	- 848.3
3	825.5	- 847.5
5	826.5	- 846.5
10	829.0	- 844.0

LTE Band 7		
BW (MHz)	Operation Frequency (MHz)	
5	2502.5	- 2567.5
10	2505.0	- 2565.0
15	2507.5	- 2562.5
20	2510.0	- 2560.0

LTE Band 12		
BW (MHz)	Operation Frequency (MHz)	
1.4	699.7	- 715.3
3	700.5	- 714.5
5	701.5	- 713.5
10	704.0	- 711.0

LTE Band 13		
BW (MHz)	Operation Frequency (MHz)	
5	779.5	- 784.5
10	782.0	

LTE Band 14		
BW (MHz)	Operation Frequency (MHz)	
5	790.5	- 795.5
10	793.0	

LTE Band 17		
BW (MHz)	Operation Frequency (MHz)	
5	706.5	- 713.5
10	709.0	- 711.0

LTE Band 25		
BW (MHz)	Operation Frequency (MHz)	
1.4	1850.7	- 1914.3
3	1851.5	- 1913.5
5	1852.5	- 1912.5
10	1855.0	- 1910.0
15	1857.5	- 1907.5
20	1860.0	- 1905.0

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LTE Band 26			
BW (MHz)	Operation Frequency (MHz)		
1.4	824.7	-	848.3
3	825.5	-	847.5
5	826.5	-	846.5
10	829.0	-	844.0
15	831.5	-	841.5

LTE Band 30			
BW (MHz)	Operation Frequency (MHz)		
5	2307.5	-	2312.5
10	2310.0		

LTE Band 38			
BW (MHz)	Operation Frequency (MHz)		
5	2572.5	-	2617.5
10	2575.0	-	2615.0
15	2577.5	-	2612.5
20	2580.0	-	2610.0

LTE Band 41			
BW (MHz)	Operation Frequency (MHz)		
5	2498.5	-	2687.5
10	2501.0	-	2685.0
15	2503.5	-	2682.5
20	2506.0	-	2680.0

LTE Band 66			
BW (MHz)	Operation Frequency (MHz)		
1.4	1710.7	-	1779.3
3	1711.5	-	1778.5
5	1712.5	-	1777.5
10	1715.0	-	1775.0
15	1717.5	-	1772.5
20	1720.0	-	1770.0

LTE Band 71			
BW (MHz)	Operation Frequency (MHz)		
5	665.5	-	695.5
10	688.0	-	693.0
15	670.5	-	690.5
20	673.0	-	688.0

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1.3 Antenna Designation

Antenna Type	Antenna Model No.
PIFA	Ant5
Note: Transmission frequencies in this test report are only available by the above antenna(s).	

Modulation	Frequency (MHz)	Peak Antenna Gain (dBi)
		Ant5
LTE-Band 2	1850 ~ 1910	0.21
LTE-Band 4	1710 ~ 1755	0.05
LTE-Band 5	824 ~ 849	-0.64
LTE-Band 7	2500 ~ 2570	-2.98
LTE-Band 12	699 ~ 716	0.44
LTE-Band 13	777 ~ 787	-0.46
LTE-Band 14	788 ~ 798	-0.61
LTE-Band 17	704 ~ 716	0.49
LTE-Band 25	1850 ~ 1915	0.54
LTE-Band 26	824 ~ 849	-0.70
LTE-Band 30	2305 ~ 2315	-1.37
LTE-Band 38	2570 ~ 2620	-2.33
LTE-Band 41	2496 ~ 2690	-2.86
LTE-Band 66	1710 ~ 1780	-0.63
LTE-Band 71	663 ~ 698	-0.55

Note: Antenna information is provided by the applicant.

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1.4 Test Methodology of Applied Standards

FCC 47 CFR Part 2, 22H, 24E, 27C, Part 90.

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03r01

KDB412172 D01 Determining ERP and EIRP v01r01

1.5 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C	TW0028	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
		Conducted G		

Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.

1.6 Special Accessories

No special accessories were used during testing.

1.7 Equipment Modifications

There was no modifications incorporated into the EUT.

1.8 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

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2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

2.3 Test Procedure

2.3.1 Radiated Emissions (ERP/EIRP)

The EUT is placed on a turn table, for emission measurements below 1 GHz is 0.8 m above ground plane, for emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

Note:

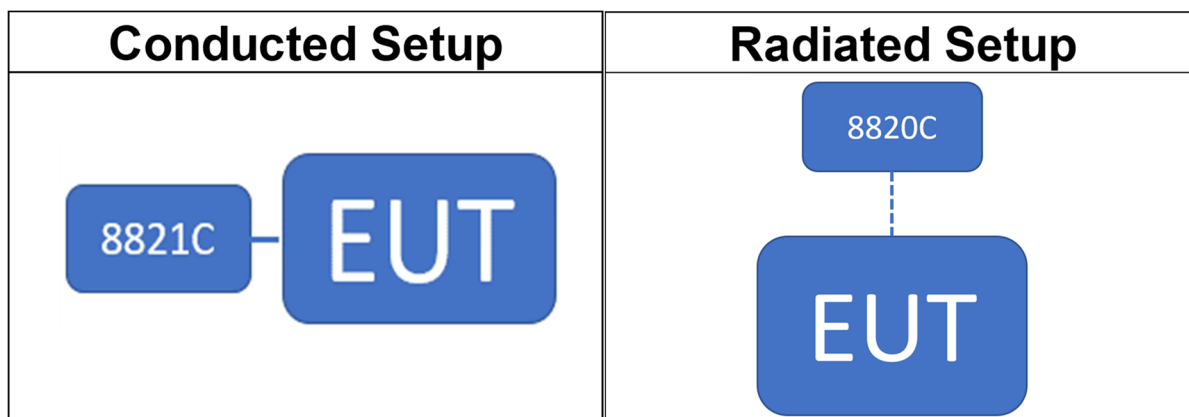
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

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2.5 Test Configuration



Note: Radio Communication Analyzer is placed in remote side for radiated test.

2.6 Control Unit(s)

N/A

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3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§22.913(a)(5) §24.232(c) §27.50(a)(3)(i) §27.50(c)(10) §27.50(b)(10) §27.50(d)(4) §27, 50(h)(2) §90.542(a) (7) §90.635	ERP/ EIRP measurement	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h) §27.53(m)(4) §90.543(e)(3) §90.543(f)	Field Strength of Spurious Radiation	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Pre-Scan has been conducted to determine the worst-case scenario from all possible combinations among available modulations, data rates and antenna ports, the worst case configurations listed below for the final test.
3. The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

4.2 Measurement Configuration

Test Items				Max. Output Power												
Band	Test Channel			Bandwidth (MHz)						Modulation				RB #		
	L	M	H	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full
2	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
4	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
5	V	V	V	V	V	V	V	-	-	V	V	V	V	V	V	V
7	V	V	V	-	-	V	V	V	V	V	V	V	V	V	V	V
12	V	V	V	V	V	V	V	-	-	V	V	V	V	V	V	V
13	V	V	V	-	-	V	V	-	-	V	V	V	V	V	V	V
14	V	V	V	-	-	V	V	-	-	V	V	V	V	V	V	V
17	V	V	V	-	-	V	V	-	-	V	V	V	V	V	V	V
25	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
26	V	V	V	V	V	V	V	V	-	V	V	V	V	V	V	V
26 P90	V	V	V	V	V	V	V	-	-	V	V	V	V	V	V	V
30	V	V	V	-	-	V	V	-	-	V	V	V	V	V	V	V
38	V	V	V	-	-	V	V	V	V	V	V	V	V	V	V	V
41	V	V	V	-	-	V	V	V	V	V	V	V	V	V	V	V
66	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
71	V	V	V	-	-	V	V	V	V	V	V	V	V	V	V	V

LTE Band 2

Parameter	Test Condition
Test Channel	Low
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 4

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 5

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

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LTE Band 7

Parameter	Test Condition
Test Channel	High
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 12

Parameter	Test Condition
Test Channel	High
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 13

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 14

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 17

Parameter	Test Condition
Test Channel	Low
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 25

Parameter	Test Condition
Test Channel	High
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

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LTE Band 26

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	15 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 30

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	10 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 38

Parameter	Test Condition
Test Channel	Low
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 41

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 66

Parameter	Test Condition
Test Channel	Low
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

LTE Band 71

Parameter	Test Condition
Test Channel	Mid
Channel Bandwidth	20 MHz
Modulation	QPSK
Resource Block Allocation	UL: 1 RBs allocated, RB start = 0

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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
RF Power Output	+/- 1 dB
ERP/ EIRP measurement	+/- 3 dB
	+/- 3 dB
Emission Bandwidth	+/- 1.53 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 1.68 dB
Peak to Average Ratio	+/- 1 dB
Frequency Stability vs. Temperature	+/- 1.53 Hz
Frequency Stability vs. Voltage	+/- 1.53 Hz
Temperature	+/- 0.4 °C
Humidity	+/- 3.5 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/- 2.57 dB	9kHz~30MHz	
	+/- 4.85 dB	30MHz - 1000MHz	
	+/- 4.45 dB	1GHz - 18GHz	
	+/- 4.24 dB	18GHz - 40GHz	
Polarization: Horizontal	+/- 2.57 dB	9kHz~30MHz	
	+/- 4.37 dB	30MHz - 1000MHz	
	+/- 4.45 dB	1GHz - 18GHz	
	+/- 4.24 dB	18GHz - 40GHz	

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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6 MEASUREMENT EQUIPMENT USED

6.1 Conducted Measurement

Conducted Emission Test Site: Conducted E					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Radio Communication Analyzer	Anritsu	MT8821C	6262044732	12/29/2021	12/28/2022

6.2 Radiated Measurement

Radiated Emission Test Site: SAC D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-300	10/19/2021	10/18/2022
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-617	11/12/2021	11/11/2022
Horn Antenna	Schwarzbeck	BBHA9170	184	12/16/2021	12/15/2022
Horn Antenna	Schwarzbeck	BBHA9170	185	08/06/2021	08/05/2022
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/06/2022	01/05/2023
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/31/2022	05/30/2023
3m Site NSA	SGS	966 chamber D	N/A	07/12/2021	07/11/2022
3m Site NSA	SGS	966 chamber D	N/A	07/12/2022	07/11/2023
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	03/24/2022	03/23/2023
Radio Communication Analyzer	Anritsu	MT8820C	6201465316	06/20/2022	06/19/2023
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R
Pre-Amplifier	EMC Instruments	EM26400	971576	10/02/2021	10/01/2022
Pre-Amplifier	EMC Instruments	EMC9135	980234	11/18/2021	11/17/2022
Pre-Amplifier	EMC Instruments	EMC12630SE	980273	11/18/2021	11/17/2022
Coaxial Cable	Huber+Suhner	RG 214/U	W21.01	11/18/2021	11/17/2022
Coaxial Cable	Huber Suhner	EMC106-SM-SM-7200	150703	11/18/2021	11/17/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	11/18/2021	11/17/2022

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7 MAXIMUM OUTPUT POWER

7.1 Standard Applicable

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals.

7.1.1 ERP/EIRP LIMIT

According to FCC §2.1046

FCC 22.913(a)

(5) mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

FCC 24.232(c)

Mobile and portable stations are limited to 2 W EIRP.

FCC 27.50 (a)

(3) for mobile and portable stations compliant with 3GPP LTE standards transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band are limited to 250 mW/ 5MHz EIRP but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

FCC 27.50 (b)

(10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

FCC 27.50(c)

(10) Portable stations (hand-held devices) are limited to 3 watts ERP.

FCC 27.50(d)

(4) Mobile, and portable (hand-held) stations operating in the 1710-1755 MHz, 1695-1710 MHz and 1755-1780 MHz bands are limited to 1W EIRP.

FCC 27, 50(h)

(2) Mobile and other user stations transmitting in the BRS and EBS bands are limited to 2 W EIRP.

FCC 90.542(a)

(7) Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

FCC 90.635(b)

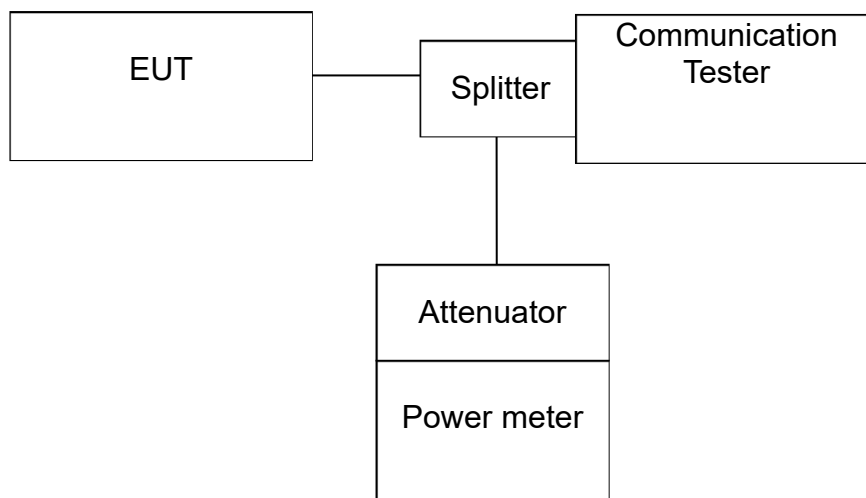
Mobile station is limited to 100W ERP

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7.2 Test Set-up



Note: Measurement setup for testing on Antenna connector

7.3 Output Power Measurement Applicable Guidance

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading.

KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results.

All LTE bands conducted average power is obtained from the simulator telecommunication test set.

7.4 Determining ERP and/or EIRP from conducted RF output power measurements

According to KDB 412172 D01 Power Approach,

$$EIRP = P_T + G_T - L_C,$$

$$ERP = EIRP - 2.15,$$

Where:

- ERP or EIRP = effective radiated power or equivalent isotropically radiated power (expressed in the same units as P_T , typically dBW, dBm, or power spectral density (PSD)²), relative to either a dipole antenna (ERP) or an isotropic antenna (EIRP);
- P_T = transmitter output power, expressed in dBW, dBm, or PSD;
- G_T = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
- L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

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7.5 Measurement Results:

Antenna gain (dBi)		0.21							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	18607	1850.7	QPSK	1	0	20.33	20.54	33	-12.46
				1	5	20.19	20.40	33	-12.6
				3	2	20.18	20.39	33	-12.61
				6	0	20.23	20.44	33	-12.56
	18900	1880	QPSK	1	0	20.28	20.49	33	-12.51
				1	5	20.23	20.44	33	-12.56
				3	2	20.10	20.31	33	-12.69
				6	0	20.23	20.44	33	-12.56
	19193	1909.3	QPSK	1	0	20.30	20.51	33	-12.49
				1	5	20.25	20.46	33	-12.54
				3	2	20.06	20.27	33	-12.73
				6	0	20.22	20.43	33	-12.57
1.4	18607	1850.7	16QAM	1	0	20.16	20.37	33	-12.63
				1	5	20.25	20.46	33	-12.54
				3	2	20.23	20.44	33	-12.56
				6	0	20.16	20.37	33	-12.63
	18900	1880	16QAM	1	0	20.23	20.44	33	-12.56
				1	5	20.07	20.28	33	-12.72
				3	2	20.24	20.45	33	-12.55
				6	0	20.20	20.41	33	-12.59
	19193	1909.3	16QAM	1	0	20.26	20.47	33	-12.53
				1	5	20.24	20.45	33	-12.55
				3	2	20.21	20.42	33	-12.58
				6	0	20.15	20.36	33	-12.64
1.4	18607	1850.7	64QAM	1	0	20.17	20.38	33	-12.62
				1	5	20.22	20.43	33	-12.57
				3	2	20.08	20.29	33	-12.71
				6	0	20.18	20.39	33	-12.61
	18900	1880	64QAM	1	0	20.21	20.42	33	-12.58
				1	5	20.08	20.29	33	-12.71
				3	2	20.08	20.29	33	-12.71
				6	0	20.25	20.46	33	-12.54
	19193	1909.3	64QAM	1	0	20.26	20.47	33	-12.53
				1	5	20.26	20.47	33	-12.53
				3	2	20.22	20.43	33	-12.57
				6	0	20.15	20.36	33	-12.64
1.4	18607	1850.7	256QAM	1	0	20.15	20.36	33	-12.64
				1	5	20.17	20.38	33	-12.62
				3	2	20.24	20.45	33	-12.55
				6	0	20.22	20.43	33	-12.57
	18900	1880	256QAM	1	0	20.11	20.32	33	-12.68
				1	5	20.26	20.47	33	-12.53
				3	2	20.20	20.41	33	-12.59
				6	0	20.21	20.42	33	-12.58
	19193	1909.3	256QAM	1	0	20.12	20.33	33	-12.67
				1	5	20.20	20.41	33	-12.59
				3	2	20.22	20.43	33	-12.57
				6	0	20.26	20.47	33	-12.53

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Antenna gain (dBi)		0.21							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	18615	1851.5	QPSK	1	0	20.36	20.57	33	-12.43
				1	14	20.23	20.44	33	-12.56
				8	4	20.25	20.46	33	-12.54
				15	0	20.26	20.47	33	-12.53
	18900	1880	QPSK	1	0	20.32	20.53	33	-12.47
				1	14	20.30	20.51	33	-12.49
				8	4	20.18	20.39	33	-12.61
				15	0	20.30	20.51	33	-12.49
	19185	1908.5	QPSK	1	0	20.35	20.56	33	-12.44
				1	14	20.33	20.54	33	-12.46
				8	4	20.15	20.36	33	-12.64
				15	0	20.24	20.45	33	-12.55
3	18615	1851.5	16QAM	1	0	20.21	20.42	33	-12.58
				1	14	20.32	20.53	33	-12.47
				8	4	20.31	20.52	33	-12.48
				15	0	20.19	20.40	33	-12.6
	18900	1880	16QAM	1	0	20.31	20.52	33	-12.48
				1	14	20.17	20.38	33	-12.62
				8	4	20.32	20.53	33	-12.47
				15	0	20.23	20.44	33	-12.56
	19185	1908.5	16QAM	1	0	20.33	20.54	33	-12.46
				1	14	20.33	20.54	33	-12.46
				8	4	20.27	20.48	33	-12.52
				15	0	20.17	20.38	33	-12.62
3	18615	1851.5	64QAM	1	0	20.24	20.45	33	-12.55
				1	14	20.28	20.49	33	-12.51
				8	4	20.18	20.39	33	-12.61
				15	0	20.19	20.40	33	-12.6
	18900	1880	64QAM	1	0	20.24	20.45	33	-12.55
				1	14	20.12	20.33	33	-12.67
				8	4	20.18	20.39	33	-12.61
				15	0	20.34	20.55	33	-12.45
	19185	1908.5	64QAM	1	0	20.33	20.54	33	-12.46
				1	14	20.36	20.57	33	-12.43
				8	4	20.32	20.53	33	-12.47
				15	0	20.18	20.39	33	-12.61
3	18615	1851.5	256QAM	1	0	20.23	20.44	33	-12.56
				1	14	20.26	20.47	33	-12.53
				8	4	20.31	20.52	33	-12.48
				15	0	20.30	20.51	33	-12.49
	18900	1880	256QAM	1	0	20.18	20.39	33	-12.61
				1	14	20.29	20.50	33	-12.5
				8	4	20.23	20.44	33	-12.56
				15	0	20.28	20.49	33	-12.51
	19185	1908.5	256QAM	1	0	20.19	20.40	33	-12.6
				1	14	20.31	20.52	33	-12.48
				8	4	20.25	20.46	33	-12.54
				15	0	20.34	20.55	33	-12.45

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Antenna gain (dBi)		0.21							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	18625	1852.5	QPSK	1	0	20.39	20.60	33	-12.4
				1	24	20.25	20.46	33	-12.54
				12	6	20.28	20.49	33	-12.51
				25	0	20.33	20.54	33	-12.46
	18900	1880	QPSK	1	0	20.36	20.57	33	-12.43
				1	24	20.28	20.49	33	-12.51
				12	6	20.17	20.38	33	-12.62
				25	0	20.32	20.53	33	-12.47
	19175	1907.5	QPSK	1	0	20.35	20.56	33	-12.44
				1	24	20.36	20.57	33	-12.43
				12	6	20.18	20.39	33	-12.61
				25	0	20.29	20.50	33	-12.5
5	18625	1852.5	16QAM	1	0	20.20	20.41	33	-12.59
				1	24	20.36	20.57	33	-12.43
				12	6	20.33	20.54	33	-12.46
				25	0	20.21	20.42	33	-12.58
	18900	1880	16QAM	1	0	20.34	20.55	33	-12.45
				1	24	20.18	20.39	33	-12.61
				12	6	20.29	20.50	33	-12.5
				25	0	20.29	20.50	33	-12.5
	19175	1907.5	16QAM	1	0	20.32	20.53	33	-12.47
				1	24	20.32	20.53	33	-12.47
				12	6	20.25	20.46	33	-12.54
				25	0	20.23	20.44	33	-12.56
5	18625	1852.5	64QAM	1	0	20.29	20.50	33	-12.5
				1	24	20.30	20.51	33	-12.49
				12	6	20.21	20.42	33	-12.58
				25	0	20.27	20.48	33	-12.52
	18900	1880	64QAM	1	0	20.27	20.48	33	-12.52
				1	24	20.15	20.36	33	-12.64
				12	6	20.20	20.41	33	-12.59
				25	0	20.36	20.57	33	-12.43
	19175	1907.5	64QAM	1	0	20.33	20.54	33	-12.46
				1	24	20.32	20.53	33	-12.47
				12	6	20.29	20.50	33	-12.5
				25	0	20.22	20.43	33	-12.57
5	18625	1852.5	256QAM	1	0	20.24	20.45	33	-12.55
				1	24	20.27	20.48	33	-12.52
				12	6	20.32	20.53	33	-12.47
				25	0	20.33	20.54	33	-12.46
	18900	1880	256QAM	1	0	20.20	20.41	33	-12.59
				1	24	20.35	20.56	33	-12.44
				12	6	20.28	20.49	33	-12.51
				25	0	20.28	20.49	33	-12.51
	19175	1907.5	256QAM	1	0	20.23	20.44	33	-12.56
				1	24	20.31	20.52	33	-12.48
				12	6	20.26	20.47	33	-12.53
				25	0	20.36	20.57	33	-12.43

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Antenna gain (dBi)		0.21							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	18650	1855	QPSK	1	0	20.42	20.63	33	-12.37
				1	49	20.31	20.52	33	-12.48
				25	12	20.31	20.52	33	-12.48
				50	0	20.29	20.50	33	-12.5
	18900	1880	QPSK	1	0	20.40	20.61	33	-12.39
				1	49	20.32	20.53	33	-12.47
				25	12	20.20	20.41	33	-12.59
				50	0	20.31	20.52	33	-12.48
	19150	1905	QPSK	1	0	20.36	20.57	33	-12.43
				1	49	20.35	20.56	33	-12.44
				25	12	20.20	20.41	33	-12.59
				50	0	20.31	20.52	33	-12.48
10	18650	1855	16QAM	1	0	20.22	20.43	33	-12.57
				1	49	20.35	20.56	33	-12.44
				25	12	20.30	20.51	33	-12.49
				50	0	20.25	20.46	33	-12.54
	18900	1880	16QAM	1	0	20.37	20.58	33	-12.42
				1	49	20.23	20.44	33	-12.56
				25	12	20.35	20.56	33	-12.44
				50	0	20.33	20.54	33	-12.46
	19150	1905	16QAM	1	0	20.37	20.58	33	-12.42
				1	49	20.36	20.57	33	-12.43
				25	12	20.29	20.50	33	-12.5
				50	0	20.21	20.42	33	-12.58
10	18650	1855	64QAM	1	0	20.32	20.53	33	-12.47
				1	49	20.33	20.54	33	-12.46
				25	12	20.20	20.41	33	-12.59
				50	0	20.28	20.49	33	-12.51
	18900	1880	64QAM	1	0	20.32	20.53	33	-12.47
				1	49	20.20	20.41	33	-12.59
				25	12	20.20	20.41	33	-12.59
				50	0	20.38	20.59	33	-12.41
	19150	1905	64QAM	1	0	20.38	20.59	33	-12.41
				1	49	20.37	20.58	33	-12.42
				25	12	20.36	20.57	33	-12.43
				50	0	20.22	20.43	33	-12.57
10	18650	1855	256QAM	1	0	20.26	20.47	33	-12.53
				1	49	20.25	20.46	33	-12.54
				25	12	20.35	20.56	33	-12.44
				50	0	20.31	20.52	33	-12.48
	18900	1880	256QAM	1	0	20.21	20.42	33	-12.58
				1	49	20.37	20.58	33	-12.42
				25	12	20.28	20.49	33	-12.51
				50	0	20.30	20.51	33	-12.49
	19150	1905	256QAM	1	0	20.28	20.49	33	-12.51
				1	49	20.34	20.55	33	-12.45
				25	12	20.28	20.49	33	-12.51
				50	0	20.34	20.55	33	-12.45

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Antenna gain (dBi)		0.21							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	18675	1857.5	QPSK	1	0	20.46	20.67	33	-12.33
				1	74	20.35	20.56	33	-12.44
				36	18	20.33	20.54	33	-12.46
				75	0	20.39	20.60	33	-12.4
	18900	1880	QPSK	1	0	20.44	20.65	33	-12.35
				1	74	20.35	20.56	33	-12.44
				36	18	20.25	20.46	33	-12.54
				75	0	20.35	20.56	33	-12.44
	19125	1902.5	QPSK	1	0	20.42	20.63	33	-12.37
				1	74	20.38	20.59	33	-12.41
				36	18	20.19	20.40	33	-12.6
				75	0	20.36	20.57	33	-12.43
15	18675	1857.5	16QAM	1	0	20.28	20.49	33	-12.51
				1	74	20.39	20.60	33	-12.4
				36	18	20.37	20.58	33	-12.42
				75	0	20.29	20.50	33	-12.5
	18900	1880	16QAM	1	0	20.37	20.58	33	-12.42
				1	74	20.25	20.46	33	-12.54
				36	18	20.38	20.59	33	-12.41
				75	0	20.34	20.55	33	-12.45
	19125	1902.5	16QAM	1	0	20.42	20.63	33	-12.37
				1	74	20.41	20.62	33	-12.38
				36	18	20.32	20.53	33	-12.47
				75	0	20.26	20.47	33	-12.53
15	18675	1857.5	64QAM	1	0	20.35	20.56	33	-12.44
				1	74	20.37	20.58	33	-12.42
				36	18	20.28	20.49	33	-12.51
				75	0	20.28	20.49	33	-12.51
	18900	1880	64QAM	1	0	20.31	20.52	33	-12.48
				1	74	20.25	20.46	33	-12.54
				36	18	20.22	20.43	33	-12.57
				75	0	20.37	20.58	33	-12.42
	19125	1902.5	64QAM	1	0	20.37	20.58	33	-12.42
				1	74	20.42	20.63	33	-12.37
				36	18	20.40	20.61	33	-12.39
				75	0	20.30	20.51	33	-12.49
15	18675	1857.5	256QAM	1	0	20.33	20.54	33	-12.46
				1	74	20.33	20.54	33	-12.46
				36	18	20.35	20.56	33	-12.44
				75	0	20.36	20.57	33	-12.43
	18900	1880	256QAM	1	0	20.26	20.47	33	-12.53
				1	74	20.37	20.58	33	-12.42
				36	18	20.33	20.54	33	-12.46
				75	0	20.38	20.59	33	-12.41
	19125	1902.5	256QAM	1	0	20.32	20.53	33	-12.47
				1	74	20.36	20.57	33	-12.43
				36	18	20.34	20.55	33	-12.45
				75	0	20.39	20.60	33	-12.4

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Antenna gain (dBi)		0.21							
LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	18700	1860	QPSK	1	0	20.49	20.70	33	-12.3
				1	99	20.33	20.54	33	-12.46
				50	25	20.34	20.55	33	-12.45
				100	0	20.35	20.56	33	-12.44
	18900	1880	QPSK	1	0	20.46	20.67	33	-12.33
				1	99	20.37	20.58	33	-12.42
				50	25	20.25	20.46	33	-12.54
				100	0	20.36	20.57	33	-12.43
	19100	1900	QPSK	1	0	20.47	20.68	33	-12.32
				1	99	20.39	20.60	33	-12.4
				50	25	20.20	20.41	33	-12.59
				100	0	20.31	20.52	33	-12.48
20	18700	1860	16QAM	1	0	20.28	20.49	33	-12.51
				1	99	20.39	20.60	33	-12.4
				50	25	20.34	20.55	33	-12.45
				100	0	20.27	20.48	33	-12.52
	18900	1880	16QAM	1	0	20.36	20.57	33	-12.43
				1	99	20.21	20.42	33	-12.58
				50	25	20.37	20.58	33	-12.42
				100	0	20.33	20.54	33	-12.46
	19100	1900	16QAM	1	0	20.36	20.57	33	-12.43
				1	99	20.41	20.62	33	-12.38
				50	25	20.34	20.55	33	-12.45
				100	0	20.27	20.48	33	-12.52
20	18700	1860	64QAM	1	0	20.35	20.56	33	-12.44
				1	99	20.38	20.59	33	-12.41
				50	25	20.26	20.47	33	-12.53
				100	0	20.28	20.49	33	-12.51
	18900	1880	64QAM	1	0	20.34	20.55	33	-12.45
				1	99	20.21	20.42	33	-12.58
				50	25	20.26	20.47	33	-12.53
				100	0	20.43	20.64	33	-12.36
	19100	1900	64QAM	1	0	20.39	20.60	33	-12.4
				1	99	20.43	20.64	33	-12.36
				50	25	20.37	20.58	33	-12.42
				100	0	20.25	20.46	33	-12.54
20	18700	1860	256QAM	1	0	20.31	20.52	33	-12.48
				1	99	20.32	20.53	33	-12.47
				50	25	20.35	20.56	33	-12.44
				100	0	20.40	20.61	33	-12.39
	18900	1880	256QAM	1	0	20.27	20.48	33	-12.52
				1	99	20.39	20.60	33	-12.4
				50	25	20.35	20.56	33	-12.44
				100	0	20.38	20.59	33	-12.41
	19100	1900	256QAM	1	0	20.31	20.52	33	-12.48
				1	99	20.40	20.61	33	-12.39
				50	25	20.34	20.55	33	-12.45
				100	0	20.42	20.63	33	-12.37

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Antenna gain (dBi)		0.05							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	19957	1710.7	QPSK	1	0	20.41	20.46	30	-9.54
				1	5	20.33	20.38	30	-9.62
				3	2	20.36	20.41	30	-9.59
				6	0	20.43	20.48	30	-9.52
	20175	1732.5	QPSK	1	0	20.44	20.49	30	-9.51
				1	5	20.31	20.36	30	-9.64
				3	2	20.30	20.35	30	-9.65
				6	0	20.35	20.40	30	-9.6
	20393	1754.3	QPSK	1	0	20.48	20.53	30	-9.47
				1	5	20.41	20.46	30	-9.54
				3	2	20.34	20.39	30	-9.61
				6	0	20.46	20.51	30	-9.49
1.4	19957	1710.7	16QAM	1	0	20.41	20.46	30	-9.54
				1	5	20.44	20.49	30	-9.51
				3	2	20.30	20.35	30	-9.65
				6	0	20.29	20.34	30	-9.66
	20175	1732.5	16QAM	1	0	20.30	20.35	30	-9.65
				1	5	20.43	20.48	30	-9.52
				3	2	20.33	20.38	30	-9.62
				6	0	20.40	20.45	30	-9.55
	20393	1754.3	16QAM	1	0	20.39	20.44	30	-9.56
				1	5	20.25	20.30	30	-9.7
				3	2	20.31	20.36	30	-9.64
				6	0	20.35	20.40	30	-9.6
1.4	19957	1710.7	64QAM	1	0	20.35	20.40	30	-9.6
				1	5	20.43	20.48	30	-9.52
				3	2	20.31	20.36	30	-9.64
				6	0	20.30	20.35	30	-9.65
	20175	1732.5	64QAM	1	0	20.42	20.47	30	-9.53
				1	5	20.43	20.48	30	-9.52
				3	2	20.47	20.52	30	-9.48
				6	0	20.29	20.34	30	-9.66
	20393	1754.3	64QAM	1	0	20.27	20.32	30	-9.68
				1	5	20.33	20.38	30	-9.62
				3	2	20.31	20.36	30	-9.64
				6	0	20.32	20.37	30	-9.63
1.4	19957	1710.7	256QAM	1	0	20.33	20.38	30	-9.62
				1	5	20.29	20.34	30	-9.66
				3	2	20.38	20.43	30	-9.57
				6	0	20.42	20.47	30	-9.53
	20175	1732.5	256QAM	1	0	20.29	20.34	30	-9.66
				1	5	20.39	20.44	30	-9.56
				3	2	20.44	20.49	30	-9.51
				6	0	20.27	20.32	30	-9.68
	20393	1754.3	256QAM	1	0	20.45	20.50	30	-9.5
				1	5	20.38	20.43	30	-9.57
				3	2	20.44	20.49	30	-9.51
				6	0	20.27	20.32	30	-9.68

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Antenna gain (dBi)		0.05							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	19965	1711.5	QPSK	1	0	20.45	20.50	30	-9.5
				1	14	20.34	20.39	30	-9.61
				8	4	20.39	20.44	30	-9.56
				15	0	20.48	20.53	30	-9.47
	20175	1732.5	QPSK	1	0	20.49	20.54	30	-9.46
				1	14	20.37	20.42	30	-9.58
				8	4	20.36	20.41	30	-9.59
				15	0	20.35	20.40	30	-9.6
	20385	1753.5	QPSK	1	0	20.53	20.58	30	-9.42
				1	14	20.48	20.53	30	-9.47
				8	4	20.40	20.45	30	-9.55
				15	0	20.47	20.52	30	-9.48
3	19965	1711.5	16QAM	1	0	20.41	20.46	30	-9.54
				1	14	20.48	20.53	30	-9.47
				8	4	20.34	20.39	30	-9.61
				15	0	20.33	20.38	30	-9.62
	20175	1732.5	16QAM	1	0	20.36	20.41	30	-9.59
				1	14	20.45	20.50	30	-9.5
				8	4	20.35	20.40	30	-9.6
				15	0	20.45	20.50	30	-9.5
	20385	1753.5	16QAM	1	0	20.43	20.48	30	-9.52
				1	14	20.32	20.37	30	-9.63
				8	4	20.36	20.41	30	-9.59
				15	0	20.39	20.44	30	-9.56
3	19965	1711.5	64QAM	1	0	20.36	20.41	30	-9.59
				1	14	20.51	20.56	30	-9.44
				8	4	20.38	20.43	30	-9.57
				15	0	20.34	20.39	30	-9.61
	20175	1732.5	64QAM	1	0	20.46	20.51	30	-9.49
				1	14	20.49	20.54	30	-9.46
				8	4	20.49	20.54	30	-9.46
				15	0	20.36	20.41	30	-9.59
	20385	1753.5	64QAM	1	0	20.30	20.35	30	-9.65
				1	14	20.35	20.40	30	-9.6
				8	4	20.36	20.41	30	-9.59
				15	0	20.34	20.39	30	-9.61
3	19965	1711.5	256QAM	1	0	20.36	20.41	30	-9.59
				1	14	20.34	20.39	30	-9.61
				8	4	20.42	20.47	30	-9.53
				15	0	20.45	20.50	30	-9.5
	20175	1732.5	256QAM	1	0	20.32	20.37	30	-9.63
				1	14	20.44	20.49	30	-9.51
				8	4	20.52	20.57	30	-9.43
				15	0	20.34	20.39	30	-9.61
	20385	1753.5	256QAM	1	0	20.51	20.56	30	-9.44
				1	14	20.39	20.44	30	-9.56
				8	4	20.49	20.54	30	-9.46
				15	0	20.33	20.38	30	-9.62

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Antenna gain (dBi)		0.05							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	19975	1712.5	QPSK	1	0	20.46	20.51	30	-9.49
				1	24	20.37	20.42	30	-9.58
				12	6	20.40	20.45	30	-9.55
				25	0	20.49	20.54	30	-9.46
	20175	1732.5	QPSK	1	0	20.51	20.56	30	-9.44
				1	24	20.41	20.46	30	-9.54
				12	6	20.38	20.43	30	-9.57
				25	0	20.37	20.42	30	-9.58
	20375	1752.5	QPSK	1	0	20.56	20.61	30	-9.39
				1	24	20.50	20.55	30	-9.45
				12	6	20.42	20.47	30	-9.53
				25	0	20.50	20.55	30	-9.45
5	19975	1712.5	16QAM	1	0	20.45	20.50	30	-9.5
				1	24	20.48	20.53	30	-9.47
				12	6	20.38	20.43	30	-9.57
				25	0	20.37	20.42	30	-9.58
	20175	1732.5	16QAM	1	0	20.38	20.43	30	-9.57
				1	24	20.45	20.50	30	-9.5
				12	6	20.36	20.41	30	-9.59
				25	0	20.45	20.50	30	-9.5
	20375	1752.5	16QAM	1	0	20.44	20.49	30	-9.51
				1	24	20.32	20.37	30	-9.63
				12	6	20.37	20.42	30	-9.58
				25	0	20.44	20.49	30	-9.51
5	19975	1712.5	64QAM	1	0	20.38	20.43	30	-9.57
				1	24	20.49	20.54	30	-9.46
				12	6	20.37	20.42	30	-9.58
				25	0	20.33	20.38	30	-9.62
	20175	1732.5	64QAM	1	0	20.47	20.52	30	-9.48
				1	24	20.51	20.56	30	-9.44
				12	6	20.54	20.59	30	-9.41
				25	0	20.35	20.40	30	-9.6
	20375	1752.5	64QAM	1	0	20.34	20.39	30	-9.61
				1	24	20.36	20.41	30	-9.59
				12	6	20.37	20.42	30	-9.58
				25	0	20.35	20.40	30	-9.6
5	19975	1712.5	256QAM	1	0	20.37	20.42	30	-9.58
				1	24	20.33	20.38	30	-9.62
				12	6	20.44	20.49	30	-9.51
				25	0	20.46	20.51	30	-9.49
	20175	1732.5	256QAM	1	0	20.34	20.39	30	-9.61
				1	24	20.43	20.48	30	-9.52
				12	6	20.50	20.55	30	-9.45
				25	0	20.35	20.40	30	-9.6
	20375	1752.5	256QAM	1	0	20.55	20.60	30	-9.4
				1	24	20.43	20.48	30	-9.52
				12	6	20.50	20.55	30	-9.45
				25	0	20.35	20.40	30	-9.6

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Antenna gain (dBi)		0.05							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	20000	1715	QPSK	1	0	20.53	20.58	30	-9.42
				1	49	20.41	20.46	30	-9.54
				25	12	20.42	20.47	30	-9.53
				50	0	20.54	20.59	30	-9.41
	20175	1732.5	QPSK	1	0	20.58	20.63	30	-9.37
				1	49	20.45	20.50	30	-9.5
				25	12	20.40	20.45	30	-9.55
				50	0	20.43	20.48	30	-9.52
	20350	1750	QPSK	1	0	20.60	20.65	30	-9.35
				1	49	20.54	20.59	30	-9.41
				25	12	20.47	20.52	30	-9.48
				50	0	20.57	20.62	30	-9.38
10	20000	1715	16QAM	1	0	20.47	20.52	30	-9.48
				1	49	20.54	20.59	30	-9.41
				25	12	20.39	20.44	30	-9.56
				50	0	20.40	20.45	30	-9.55
	20175	1732.5	16QAM	1	0	20.41	20.46	30	-9.54
				1	49	20.54	20.59	30	-9.41
				25	12	20.43	20.48	30	-9.52
				50	0	20.52	20.57	30	-9.43
	20350	1750	16QAM	1	0	20.51	20.56	30	-9.44
				1	49	20.36	20.41	30	-9.59
				25	12	20.43	20.48	30	-9.52
				50	0	20.46	20.51	30	-9.49
10	20000	1715	64QAM	1	0	20.42	20.47	30	-9.53
				1	49	20.52	20.57	30	-9.43
				25	12	20.43	20.48	30	-9.52
				50	0	20.42	20.47	30	-9.53
	20175	1732.5	64QAM	1	0	20.52	20.57	30	-9.43
				1	49	20.52	20.57	30	-9.43
				25	12	20.55	20.60	30	-9.4
				50	0	20.40	20.45	30	-9.55
	20350	1750	64QAM	1	0	20.40	20.45	30	-9.55
				1	49	20.45	20.50	30	-9.5
				25	12	20.41	20.46	30	-9.54
				50	0	20.41	20.46	30	-9.54
10	20000	1715	256QAM	1	0	20.44	20.49	30	-9.51
				1	49	20.38	20.43	30	-9.57
				25	12	20.49	20.54	30	-9.46
				50	0	20.52	20.57	30	-9.43
	20175	1732.5	256QAM	1	0	20.35	20.40	30	-9.6
				1	49	20.48	20.53	30	-9.47
				25	12	20.57	20.62	30	-9.38
				50	0	20.37	20.42	30	-9.58
	20350	1750	256QAM	1	0	20.55	20.60	30	-9.4
				1	49	20.49	20.54	30	-9.46
				25	12	20.52	20.57	30	-9.43
				50	0	20.38	20.43	30	-9.57

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Antenna gain (dBi)		0.05							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	20025	1717.5	QPSK	1	0	20.53	20.58	30	-9.42
				1	74	20.44	20.49	30	-9.51
				36	18	20.50	20.55	30	-9.45
				75	0	20.56	20.61	30	-9.39
	20175	1732.5	QPSK	1	0	20.58	20.63	30	-9.37
				1	74	20.46	20.51	30	-9.49
				36	18	20.46	20.51	30	-9.49
				75	0	20.47	20.52	30	-9.48
	20325	1747.5	QPSK	1	0	20.63	20.68	30	-9.32
				1	74	20.57	20.62	30	-9.38
				36	18	20.49	20.54	30	-9.46
				75	0	20.57	20.62	30	-9.38
15	20025	1717.5	16QAM	1	0	20.52	20.57	30	-9.43
				1	74	20.57	20.62	30	-9.38
				36	18	20.44	20.49	30	-9.51
				75	0	20.47	20.52	30	-9.48
	20175	1732.5	16QAM	1	0	20.46	20.51	30	-9.49
				1	74	20.56	20.61	30	-9.39
				36	18	20.48	20.53	30	-9.47
				75	0	20.52	20.57	30	-9.43
	20325	1747.5	16QAM	1	0	20.54	20.59	30	-9.41
				1	74	20.39	20.44	30	-9.56
				36	18	20.47	20.52	30	-9.48
				75	0	20.50	20.55	30	-9.45
15	20025	1717.5	64QAM	1	0	20.48	20.53	30	-9.47
				1	74	20.61	20.66	30	-9.34
				36	18	20.49	20.54	30	-9.46
				75	0	20.43	20.48	30	-9.52
	20175	1732.5	64QAM	1	0	20.57	20.62	30	-9.38
				1	74	20.57	20.62	30	-9.38
				36	18	20.60	20.65	30	-9.35
				75	0	20.46	20.51	30	-9.49
	20325	1747.5	64QAM	1	0	20.41	20.46	30	-9.54
				1	74	20.47	20.52	30	-9.48
				36	18	20.47	20.52	30	-9.48
				75	0	20.45	20.50	30	-9.5
15	20025	1717.5	256QAM	1	0	20.46	20.51	30	-9.49
				1	74	20.45	20.50	30	-9.5
				36	18	20.53	20.58	30	-9.42
				75	0	20.56	20.61	30	-9.39
	20175	1732.5	256QAM	1	0	20.40	20.45	30	-9.55
				1	74	20.54	20.59	30	-9.41
				36	18	20.55	20.60	30	-9.4
				75	0	20.44	20.49	30	-9.51
	20325	1747.5	256QAM	1	0	20.60	20.65	30	-9.35
				1	74	20.52	20.57	30	-9.43
				36	18	20.58	20.63	30	-9.37
				75	0	20.45	20.50	30	-9.5

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Antenna gain (dBi)		0.05							
LTE Band 4_Uplink frequency band : 1710 to 1755 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	20050	1720	QPSK	1	0	20.59	20.64	30	-9.36
				1	99	20.46	20.51	30	-9.49
				50	25	20.47	20.52	30	-9.48
				100	0	20.56	20.61	30	-9.39
	20175	1732.5	QPSK	1	0	20.61	20.66	30	-9.34
				1	99	20.48	20.53	30	-9.47
				50	25	20.43	20.48	30	-9.52
				100	0	20.46	20.51	30	-9.49
	20300	1745	QPSK	1	0	20.65	20.70	30	-9.3
				1	99	20.57	20.62	30	-9.38
				50	25	20.49	20.54	30	-9.46
				100	0	20.61	20.66	30	-9.34
20	20050	1720	16QAM	1	0	20.55	20.60	30	-9.4
				1	99	20.55	20.60	30	-9.4
				50	25	20.47	20.52	30	-9.48
				100	0	20.45	20.50	30	-9.5
	20175	1732.5	16QAM	1	0	20.48	20.53	30	-9.47
				1	99	20.54	20.59	30	-9.41
				50	25	20.46	20.51	30	-9.49
				100	0	20.53	20.58	30	-9.42
	20300	1745	16QAM	1	0	20.52	20.57	30	-9.43
				1	99	20.40	20.45	30	-9.55
				50	25	20.44	20.49	30	-9.51
				100	0	20.50	20.55	30	-9.45
20	20050	1720	64QAM	1	0	20.46	20.51	30	-9.49
				1	99	20.59	20.64	30	-9.36
				50	25	20.47	20.52	30	-9.48
				100	0	20.42	20.47	30	-9.53
	20175	1732.5	64QAM	1	0	20.54	20.59	30	-9.41
				1	99	20.58	20.63	30	-9.37
				50	25	20.61	20.66	30	-9.34
				100	0	20.43	20.48	30	-9.52
	20300	1745	64QAM	1	0	20.40	20.45	30	-9.55
				1	99	20.47	20.52	30	-9.48
				50	25	20.43	20.48	30	-9.52
				100	0	20.47	20.52	30	-9.48
20	20050	1720	256QAM	1	0	20.45	20.50	30	-9.5
				1	99	20.45	20.50	30	-9.5
				50	25	20.53	20.58	30	-9.42
				100	0	20.57	20.62	30	-9.38
	20175	1732.5	256QAM	1	0	20.44	20.49	30	-9.51
				1	99	20.49	20.54	30	-9.46
				50	25	20.61	20.66	30	-9.34
				100	0	20.40	20.45	30	-9.55
	20300	1745	256QAM	1	0	20.63	20.68	30	-9.32
				1	99	20.51	20.56	30	-9.44
				50	25	20.56	20.61	30	-9.39
				100	0	20.43	20.48	30	-9.52

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Antenna gain (dBi)		-0.694								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	20407	824.7	QPSK	1	0	21.61	18.77	20.92	38.45	-19.68
				1	5	21.58	18.74	20.89	38.45	-19.71
				3	2	21.54	18.70	20.85	38.45	-19.75
				6	0	21.60	18.76	20.91	38.45	-19.69
	20525	836.5	QPSK	1	0	21.57	18.73	20.88	38.45	-19.72
				1	5	21.64	18.80	20.95	38.45	-19.65
				3	2	21.53	18.69	20.84	38.45	-19.76
				6	0	21.57	18.73	20.88	38.45	-19.72
	20643	848.3	QPSK	1	0	21.55	18.71	20.86	38.45	-19.74
				1	5	21.68	18.84	20.99	38.45	-19.61
				3	2	21.62	18.78	20.93	38.45	-19.67
				6	0	21.64	18.80	20.95	38.45	-19.65
1.4	20407	824.7	16QAM	1	0	21.52	18.68	20.83	38.45	-19.77
				1	5	21.69	18.85	21.00	38.45	-19.60
				3	2	21.69	18.85	21.00	38.45	-19.60
				6	0	21.67	18.83	20.98	38.45	-19.62
	20525	836.5	16QAM	1	0	21.50	18.66	20.81	38.45	-19.79
				1	5	21.59	18.75	20.90	38.45	-19.70
				3	2	21.51	18.67	20.82	38.45	-19.78
				6	0	21.62	18.78	20.93	38.45	-19.67
	20643	848.3	16QAM	1	0	21.68	18.84	20.99	38.45	-19.61
				1	5	21.63	18.79	20.94	38.45	-19.66
				3	2	21.53	18.69	20.84	38.45	-19.76
				6	0	21.70	18.86	21.01	38.45	-19.59
1.4	20407	824.7	64QAM	1	0	21.66	18.82	20.97	38.45	-19.63
				1	5	21.62	18.78	20.93	38.45	-19.67
				3	2	21.69	18.85	21.00	38.45	-19.60
				6	0	21.64	18.80	20.95	38.45	-19.65
	20525	836.5	64QAM	1	0	21.55	18.71	20.86	38.45	-19.74
				1	5	21.65	18.81	20.96	38.45	-19.64
				3	2	21.55	18.71	20.86	38.45	-19.74
				6	0	21.69	18.85	21.00	38.45	-19.60
	20643	848.3	64QAM	1	0	21.61	18.77	20.92	38.45	-19.68
				1	5	21.69	18.85	21.00	38.45	-19.60
				3	2	21.60	18.76	20.91	38.45	-19.69
				6	0	21.61	18.77	20.92	38.45	-19.68
1.4	20407	824.7	256QAM	1	0	21.62	18.78	20.93	38.45	-19.67
				1	5	21.61	18.77	20.92	38.45	-19.68
				3	2	21.51	18.67	20.82	38.45	-19.78
				6	0	21.53	18.69	20.84	38.45	-19.76
	20525	836.5	256QAM	1	0	21.65	18.81	20.96	38.45	-19.64
				1	5	21.65	18.81	20.96	38.45	-19.64
				3	2	21.54	18.70	20.85	38.45	-19.75
				6	0	21.67	18.83	20.98	38.45	-19.62
	20643	848.3	256QAM	1	0	21.53	18.69	20.84	38.45	-19.76
				1	5	21.55	18.71	20.86	38.45	-19.74
				3	2	21.66	18.82	20.97	38.45	-19.63
				6	0	21.67	18.83	20.98	38.45	-19.62

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Antenna gain (dBi)		-0.694								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	20415	825.5	QPSK	1	0	21.52	18.68	20.83	38.45	-19.77
				1	14	21.54	18.70	20.85	38.45	-19.75
				8	4	21.52	18.68	20.83	38.45	-19.77
				15	0	21.60	18.76	20.91	38.45	-19.69
	20525	836.5	QPSK	1	0	21.63	18.79	20.94	38.45	-19.66
				1	14	21.68	18.84	20.99	38.45	-19.61
				8	4	21.60	18.76	20.91	38.45	-19.69
				15	0	21.56	18.72	20.87	38.45	-19.73
	20635	847.5	QPSK	1	0	21.63	18.79	20.94	38.45	-19.66
				1	14	21.62	18.78	20.93	38.45	-19.67
				8	4	21.64	18.80	20.95	38.45	-19.65
				15	0	21.52	18.68	20.83	38.45	-19.77
3	20415	825.5	16QAM	1	0	21.65	18.81	20.96	38.45	-19.64
				1	14	21.68	18.84	20.99	38.45	-19.61
				8	4	21.57	18.73	20.88	38.45	-19.72
				15	0	21.52	18.68	20.83	38.45	-19.77
	20525	836.5	16QAM	1	0	21.54	18.70	20.85	38.45	-19.75
				1	14	21.63	18.79	20.94	38.45	-19.66
				8	4	21.64	18.80	20.95	38.45	-19.65
				15	0	21.63	18.79	20.94	38.45	-19.66
	20635	847.5	16QAM	1	0	21.64	18.80	20.95	38.45	-19.65
				1	14	21.69	18.85	21.00	38.45	-19.60
				8	4	21.60	18.76	20.91	38.45	-19.69
				15	0	21.70	18.86	21.01	38.45	-19.59
3	20415	825.5	64QAM	1	0	21.57	18.73	20.88	38.45	-19.72
				1	14	21.56	18.72	20.87	38.45	-19.73
				8	4	21.51	18.67	20.82	38.45	-19.78
				15	0	21.65	18.81	20.96	38.45	-19.64
	20525	836.5	64QAM	1	0	21.64	18.80	20.95	38.45	-19.65
				1	14	21.64	18.80	20.95	38.45	-19.65
				8	4	21.64	18.80	20.95	38.45	-19.65
				15	0	21.65	18.81	20.96	38.45	-19.64
	20635	847.5	64QAM	1	0	21.50	18.66	20.81	38.45	-19.79
				1	14	21.57	18.73	20.88	38.45	-19.72
				8	4	21.64	18.80	20.95	38.45	-19.65
				15	0	21.57	18.73	20.88	38.45	-19.72
3	20415	825.5	256QAM	1	0	21.63	18.79	20.94	38.45	-19.66
				1	14	21.56	18.72	20.87	38.45	-19.73
				8	4	21.53	18.69	20.84	38.45	-19.76
				15	0	21.68	18.84	20.99	38.45	-19.61
	20525	836.5	256QAM	1	0	21.57	18.73	20.88	38.45	-19.72
				1	14	21.61	18.77	20.92	38.45	-19.68
				8	4	21.61	18.77	20.92	38.45	-19.68
				15	0	21.62	18.78	20.93	38.45	-19.67
	20635	847.5	256QAM	1	0	21.60	18.76	20.91	38.45	-19.69
				1	14	21.70	18.86	21.01	38.45	-19.59
				8	4	21.60	18.76	20.91	38.45	-19.69
				15	0	21.53	18.69	20.84	38.45	-19.76

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Antenna gain (dBi)		-0.694								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	20425	826.5	QPSK	1	0	21.69	18.85	21.00	38.45	-19.60
				1	24	21.66	18.82	20.97	38.45	-19.63
				12	6	21.59	18.75	20.90	38.45	-19.70
				25	0	21.64	18.80	20.95	38.45	-19.65
	20525	836.5	QPSK	1	0	21.52	18.68	20.83	38.45	-19.77
				1	24	21.55	18.71	20.86	38.45	-19.74
				12	6	21.69	18.85	21.00	38.45	-19.60
				25	0	21.63	18.79	20.94	38.45	-19.66
	20625	846.5	QPSK	1	0	21.66	18.82	20.97	38.45	-19.63
				1	24	21.51	18.67	20.82	38.45	-19.78
				12	6	21.67	18.83	20.98	38.45	-19.62
				25	0	21.51	18.67	20.82	38.45	-19.78
5	20425	826.5	16QAM	1	0	21.67	18.83	20.98	38.45	-19.62
				1	24	21.64	18.80	20.95	38.45	-19.65
				12	6	21.52	18.68	20.83	38.45	-19.77
				25	0	21.55	18.71	20.86	38.45	-19.74
	20525	836.5	16QAM	1	0	21.67	18.83	20.98	38.45	-19.62
				1	24	21.52	18.68	20.83	38.45	-19.77
				12	6	21.50	18.66	20.81	38.45	-19.79
				25	0	21.67	18.83	20.98	38.45	-19.62
	20625	846.5	16QAM	1	0	21.52	18.68	20.83	38.45	-19.77
				1	24	21.51	18.67	20.82	38.45	-19.78
				12	6	21.69	18.85	21.00	38.45	-19.60
				25	0	21.59	18.75	20.90	38.45	-19.70
5	20425	826.5	64QAM	1	0	21.67	18.83	20.98	38.45	-19.62
				1	24	21.58	18.74	20.89	38.45	-19.71
				12	6	21.69	18.85	21.00	38.45	-19.60
				25	0	21.66	18.82	20.97	38.45	-19.63
	20525	836.5	64QAM	1	0	21.66	18.82	20.97	38.45	-19.63
				1	24	21.52	18.68	20.83	38.45	-19.77
				12	6	21.68	18.84	20.99	38.45	-19.61
				25	0	21.53	18.69	20.84	38.45	-19.76
	20625	846.5	64QAM	1	0	21.63	18.79	20.94	38.45	-19.66
				1	24	21.53	18.69	20.84	38.45	-19.76
				12	6	21.68	18.84	20.99	38.45	-19.61
				25	0	21.64	18.80	20.95	38.45	-19.65
5	20425	826.5	256QAM	1	0	21.59	18.75	20.90	38.45	-19.70
				1	24	21.70	18.86	21.01	38.45	-19.59
				12	6	21.66	18.82	20.97	38.45	-19.63
				25	0	21.58	18.74	20.89	38.45	-19.71
	20525	836.5	256QAM	1	0	21.59	18.75	20.90	38.45	-19.70
				1	24	21.52	18.68	20.83	38.45	-19.77
				12	6	21.65	18.81	20.96	38.45	-19.64
				25	0	21.65	18.81	20.96	38.45	-19.64
	20625	846.5	256QAM	1	0	21.67	18.83	20.98	38.45	-19.62
				1	24	21.68	18.84	20.99	38.45	-19.61
				12	6	21.52	18.68	20.83	38.45	-19.77
				25	0	21.51	18.67	20.82	38.45	-19.78

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Antenna gain (dBi)		-0.694								
LTE Band 5_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	20450	829	QPSK	1	0	21.71	18.87	21.02	38.45	-19.58
				1	49	21.55	18.71	20.86	38.45	-19.74
				25	12	21.59	18.75	20.90	38.45	-19.70
				50	0	21.66	18.82	20.97	38.45	-19.63
	20525	836.5	QPSK	1	0	21.72	18.88	21.03	38.45	-19.57
				1	49	21.64	18.80	20.95	38.45	-19.65
				25	12	21.62	18.78	20.93	38.45	-19.67
				50	0	21.67	18.83	20.98	38.45	-19.62
	20600	844	QPSK	1	0	21.68	18.84	20.99	38.45	-19.61
				1	49	21.63	18.79	20.94	38.45	-19.66
				25	12	21.65	18.81	20.96	38.45	-19.64
				50	0	21.52	18.68	20.83	38.45	-19.77
10	20450	829	16QAM	1	0	21.50	18.66	20.81	38.45	-19.79
				1	49	21.60	18.76	20.91	38.45	-19.69
				25	12	21.58	18.74	20.89	38.45	-19.71
				50	0	21.56	18.72	20.87	38.45	-19.73
	20525	836.5	16QAM	1	0	21.59	18.75	20.90	38.45	-19.70
				1	49	21.54	18.70	20.85	38.45	-19.75
				25	12	21.61	18.77	20.92	38.45	-19.68
				50	0	21.58	18.74	20.89	38.45	-19.71
	20600	844	16QAM	1	0	21.65	18.81	20.96	38.45	-19.64
				1	49	21.59	18.75	20.90	38.45	-19.70
				25	12	21.55	18.71	20.86	38.45	-19.74
				50	0	21.51	18.67	20.82	38.45	-19.78
10	20450	829	64QAM	1	0	21.66	18.82	20.97	38.45	-19.63
				1	49	21.63	18.79	20.94	38.45	-19.66
				25	12	21.70	18.86	21.01	38.45	-19.59
				50	0	21.58	18.74	20.89	38.45	-19.71
	20525	836.5	64QAM	1	0	21.57	18.73	20.88	38.45	-19.72
				1	49	21.67	18.83	20.98	38.45	-19.62
				25	12	21.66	18.82	20.97	38.45	-19.63
				50	0	21.54	18.70	20.85	38.45	-19.75
	20600	844	64QAM	1	0	21.67	18.83	20.98	38.45	-19.62
				1	49	21.57	18.73	20.88	38.45	-19.72
				25	12	21.56	18.72	20.87	38.45	-19.73
				50	0	21.55	18.71	20.86	38.45	-19.74
10	20450	829	256QAM	1	0	21.68	18.84	20.99	38.45	-19.61
				1	49	21.55	18.71	20.86	38.45	-19.74
				25	12	21.64	18.80	20.95	38.45	-19.65
				50	0	21.62	18.78	20.93	38.45	-19.67
	20525	836.5	256QAM	1	0	21.60	18.76	20.91	38.45	-19.69
				1	49	21.56	18.72	20.87	38.45	-19.73
				25	12	21.67	18.83	20.98	38.45	-19.62
				50	0	21.57	18.73	20.88	38.45	-19.72
	20600	844	256QAM	1	0	21.65	18.81	20.96	38.45	-19.64
				1	49	21.59	18.75	20.90	38.45	-19.70
				25	12	21.52	18.68	20.83	38.45	-19.77
				50	0	21.57	18.73	20.88	38.45	-19.72

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Antenna gain (dBi)		-2.98							
LTE Band 7_Uplink frequency band : 2500 to 2570 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	20775	2502.5	QPSK	1	0	19.92	16.94	33	-16.06
				1	24	20.01	17.03	33	-15.97
				12	6	19.92	16.94	33	-16.06
				25	0	19.92	16.94	33	-16.06
	21100	2535	QPSK	1	0	20.08	17.10	33	-15.9
				1	24	20.08	17.10	33	-15.9
				12	6	20.02	17.04	33	-15.96
				25	0	20.02	17.04	33	-15.96
	21425	2567.5	QPSK	1	0	19.92	16.94	33	-16.06
				1	24	19.98	17.00	33	-16
				12	6	19.91	16.93	33	-16.07
				25	0	19.93	16.95	33	-16.05
5	20775	2502.5	16QAM	1	0	19.94	16.96	33	-16.04
				1	24	19.93	16.95	33	-16.05
				12	6	19.95	16.97	33	-16.03
				25	0	20.09	17.11	33	-15.89
	21100	2535	16QAM	1	0	19.94	16.96	33	-16.04
				1	24	20.07	17.09	33	-15.91
				12	6	19.92	16.94	33	-16.06
				25	0	19.90	16.92	33	-16.08
	21425	2567.5	16QAM	1	0	19.97	16.99	33	-16.01
				1	24	19.91	16.93	33	-16.07
				12	6	20.02	17.04	33	-15.96
				25	0	19.95	16.97	33	-16.03
5	20775	2502.5	64QAM	1	0	20.07	17.09	33	-15.91
				1	24	20.05	17.07	33	-15.93
				12	6	19.90	16.92	33	-16.08
				25	0	19.94	16.96	33	-16.04
	21100	2535	64QAM	1	0	20.09	17.11	33	-15.89
				1	24	19.92	16.94	33	-16.06
				12	6	19.98	17.00	33	-16
				25	0	20.00	17.02	33	-15.98
	21425	2567.5	64QAM	1	0	19.96	16.98	33	-16.02
				1	24	19.94	16.96	33	-16.04
				12	6	19.89	16.91	33	-16.09
				25	0	19.91	16.93	33	-16.07
5	20775	2502.5	256QAM	1	0	20.05	17.07	33	-15.93
				1	24	19.93	16.95	33	-16.05
				12	6	19.90	16.92	33	-16.08
				25	0	20.05	17.07	33	-15.93
	21100	2535	256QAM	1	0	20.01	17.03	33	-15.97
				1	24	19.94	16.96	33	-16.04
				12	6	20.01	17.03	33	-15.97
				25	0	19.92	16.94	33	-16.06
	21425	2567.5	256QAM	1	0	20.06	17.08	33	-15.92
				1	24	20.05	17.07	33	-15.93
				12	6	19.94	16.96	33	-16.04
				25	0	19.98	17.00	33	-16

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Antenna gain (dBi)		-2.98							
LTE Band 7_Uplink frequency band : 2500 to 2570 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	20800	2505	QPSK	1	0	20.04	17.06	33	-15.94
				1	49	20.04	17.06	33	-15.94
				25	12	19.91	16.93	33	-16.07
				50	0	20.04	17.06	33	-15.94
	21100	2535	QPSK	1	0	20.08	17.10	33	-15.9
				1	49	20.02	17.04	33	-15.96
				25	12	19.97	16.99	33	-16.01
				50	0	19.90	16.92	33	-16.08
	21400	2565	QPSK	1	0	19.97	16.99	33	-16.01
				1	49	20.04	17.06	33	-15.94
				25	12	19.89	16.91	33	-16.09
				50	0	20.07	17.09	33	-15.91
10	20800	2505	16QAM	1	0	19.93	16.95	33	-16.05
				1	49	20.00	17.02	33	-15.98
				25	12	20.09	17.11	33	-15.89
				50	0	19.96	16.98	33	-16.02
	21100	2535	16QAM	1	0	19.99	17.01	33	-15.99
				1	49	19.92	16.94	33	-16.06
				25	12	19.91	16.93	33	-16.07
				50	0	20.07	17.09	33	-15.91
	21400	2565	16QAM	1	0	19.91	16.93	33	-16.07
				1	49	19.89	16.91	33	-16.09
				25	12	20.06	17.08	33	-15.92
				50	0	19.90	16.92	33	-16.08
10	20800	2505	64QAM	1	0	20.03	17.05	33	-15.95
				1	49	20.02	17.04	33	-15.96
				25	12	20.03	17.05	33	-15.95
				50	0	19.97	16.99	33	-16.01
	21100	2535	64QAM	1	0	20.06	17.08	33	-15.92
				1	49	19.89	16.91	33	-16.09
				25	12	19.99	17.01	33	-15.99
				50	0	20.02	17.04	33	-15.96
	21400	2565	64QAM	1	0	20.03	17.05	33	-15.95
				1	49	19.90	16.92	33	-16.08
				25	12	20.03	17.05	33	-15.95
				50	0	20.06	17.08	33	-15.92
10	20800	2505	256QAM	1	0	19.96	16.98	33	-16.02
				1	49	19.96	16.98	33	-16.02
				25	12	20.00	17.02	33	-15.98
				50	0	20.06	17.08	33	-15.92
	21100	2535	256QAM	1	0	20.08	17.10	33	-15.9
				1	49	19.94	16.96	33	-16.04
				25	12	20.06	17.08	33	-15.92
				50	0	20.09	17.11	33	-15.89
	21400	2565	256QAM	1	0	20.06	17.08	33	-15.92
				1	49	19.98	17.00	33	-16
				25	12	20.06	17.08	33	-15.92
				50	0	19.96	16.98	33	-16.02

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Antenna gain (dBi)		-2.98							
LTE Band 7_Uplink frequency band : 2500 to 2570 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	20825	2507.5	QPSK	1	0	20.15	17.17	33	-15.83
				1	74	20.09	17.11	33	-15.89
				36	18	20.13	17.15	33	-15.85
				75	0	20.22	17.24	33	-15.76
	21100	2535	QPSK	1	0	20.20	17.22	33	-15.78
				1	74	20.05	17.07	33	-15.93
				36	18	20.04	17.06	33	-15.94
				75	0	20.09	17.11	33	-15.89
	21375	2562.5	QPSK	1	0	20.03	17.05	33	-15.95
				1	74	20.20	17.22	33	-15.78
				36	18	20.15	17.17	33	-15.83
				75	0	20.17	17.19	33	-15.81
15	20825	2507.5	16QAM	1	0	20.14	17.16	33	-15.84
				1	74	20.18	17.20	33	-15.8
				36	18	20.20	17.22	33	-15.78
				75	0	20.16	17.18	33	-15.82
	21100	2535	16QAM	1	0	20.16	17.18	33	-15.82
				1	74	20.10	17.12	33	-15.88
				36	18	20.19	17.21	33	-15.79
				75	0	20.09	17.11	33	-15.89
	21375	2562.5	16QAM	1	0	20.14	17.16	33	-15.84
				1	74	20.13	17.15	33	-15.85
				36	18	20.18	17.20	33	-15.8
				75	0	20.02	17.04	33	-15.96
15	20825	2507.5	64QAM	1	0	20.21	17.23	33	-15.77
				1	74	20.20	17.22	33	-15.78
				36	18	20.16	17.18	33	-15.82
				75	0	20.04	17.06	33	-15.94
	21100	2535	64QAM	1	0	20.19	17.21	33	-15.79
				1	74	20.04	17.06	33	-15.94
				36	18	20.16	17.18	33	-15.82
				75	0	20.20	17.22	33	-15.78
	21375	2562.5	64QAM	1	0	20.02	17.04	33	-15.96
				1	74	20.19	17.21	33	-15.79
				36	18	20.13	17.15	33	-15.85
				75	0	20.07	17.09	33	-15.91
15	20825	2507.5	256QAM	1	0	20.21	17.23	33	-15.77
				1	74	20.14	17.16	33	-15.84
				36	18	20.10	17.12	33	-15.88
				75	0	20.20	17.22	33	-15.78
	21100	2535	256QAM	1	0	20.08	17.10	33	-15.9
				1	74	20.08	17.10	33	-15.9
				36	18	20.08	17.10	33	-15.9
				75	0	20.22	17.24	33	-15.76
	21375	2562.5	256QAM	1	0	20.07	17.09	33	-15.91
				1	74	20.15	17.17	33	-15.83
				36	18	20.19	17.21	33	-15.79
				75	0	20.06	17.08	33	-15.92

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Antenna gain (dBi)		-2.98							
LTE Band 7_Uplink frequency band : 2500 to 2570 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	20850	2510	QPSK	1	0	20.28	17.30	33	-15.7
				1	99	20.13	17.15	33	-15.85
				50	25	20.15	17.17	33	-15.83
				100	0	20.10	17.12	33	-15.88
	21100	2535	QPSK	1	0	20.31	17.33	33	-15.67
				1	99	20.06	17.08	33	-15.92
				50	25	20.15	17.17	33	-15.83
				100	0	20.02	17.04	33	-15.96
	21350	2560	QPSK	1	0	20.24	17.26	33	-15.74
				1	99	20.08	17.10	33	-15.9
				50	25	20.09	17.11	33	-15.89
				100	0	20.09	17.11	33	-15.89
20	20850	2510	QPSK	1	0	20.21	17.23	33	-15.77
				1	99	20.18	17.20	33	-15.8
				50	25	20.09	17.11	33	-15.89
				100	0	20.14	17.16	33	-15.84
	21100	2535	QPSK	1	0	20.18	17.20	33	-15.8
				1	99	20.05	17.07	33	-15.93
				50	25	20.20	17.22	33	-15.78
				100	0	20.13	17.15	33	-15.85
	21350	2560	QPSK	1	0	20.08	17.10	33	-15.9
				1	99	20.21	17.23	33	-15.77
				50	25	20.12	17.14	33	-15.86
				100	0	20.17	17.19	33	-15.81
20	20850	2510	QPSK	1	0	20.21	17.23	33	-15.77
				1	99	20.19	17.21	33	-15.79
				50	25	20.22	17.24	33	-15.76
				100	0	20.22	17.24	33	-15.76
	21100	2535	QPSK	1	0	20.10	17.12	33	-15.88
				1	99	20.15	17.17	33	-15.83
				50	25	20.10	17.12	33	-15.88
				100	0	20.13	17.15	33	-15.85
	21350	2560	QPSK	1	0	20.10	17.12	33	-15.88
				1	99	20.03	17.05	33	-15.95
				50	25	20.13	17.15	33	-15.85
				100	0	20.21	17.23	33	-15.77
20	20850	2510	QPSK	1	0	20.13	17.15	33	-15.85
				1	99	20.10	17.12	33	-15.88
				50	25	20.07	17.09	33	-15.91
				100	0	20.21	17.23	33	-15.77
	21100	2535	QPSK	1	0	20.20	17.22	33	-15.78
				1	99	20.06	17.08	33	-15.92
				50	25	20.21	17.23	33	-15.77
				100	0	20.21	17.23	33	-15.77
	21350	2560	QPSK	1	0	20.07	17.09	33	-15.91
				1	99	20.09	17.11	33	-15.89
				50	25	20.10	17.12	33	-15.88
				100	0	20.17	17.19	33	-15.81

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Antenna gain (dBi)		0.44								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	23017	699.7	QPSK	1	0	22.95	21.24	23.39	34.77	-13.53
				1	5	22.94	21.23	23.38	34.77	-13.54
				3	2	22.94	21.23	23.38	34.77	-13.54
				6	0	22.81	21.10	23.25	34.77	-13.67
	23095	707.5	QPSK	1	0	22.96	21.25	23.40	34.77	-13.52
				1	5	22.85	21.14	23.29	34.77	-13.63
				3	2	22.82	21.11	23.26	34.77	-13.66
				6	0	22.79	21.08	23.23	34.77	-13.69
	23173	715.5	QPSK	1	0	22.94	21.23	23.38	34.77	-13.54
				1	5	22.91	21.20	23.35	34.77	-13.57
				3	2	22.92	21.21	23.36	34.77	-13.56
				6	0	22.78	21.07	23.22	34.77	-13.70
1.4	23017	699.7	16QAM	1	0	22.94	21.23	23.38	34.77	-13.54
				1	5	22.89	21.18	23.33	34.77	-13.59
				3	2	22.90	21.19	23.34	34.77	-13.58
				6	0	22.81	21.10	23.25	34.77	-13.67
	23095	707.5	16QAM	1	0	22.94	21.23	23.38	34.77	-13.54
				1	5	22.94	21.23	23.38	34.77	-13.54
				3	2	22.93	21.22	23.37	34.77	-13.55
				6	0	22.90	21.19	23.34	34.77	-13.58
	23173	715.5	16QAM	1	0	22.88	21.17	23.32	34.77	-13.60
				1	5	22.87	21.16	23.31	34.77	-13.61
				3	2	22.90	21.19	23.34	34.77	-13.58
				6	0	22.79	21.08	23.23	34.77	-13.69
1.4	23017	699.7	64QAM	1	0	22.78	21.07	23.22	34.77	-13.70
				1	5	22.94	21.23	23.38	34.77	-13.54
				3	2	22.81	21.10	23.25	34.77	-13.67
				6	0	22.86	21.15	23.30	34.77	-13.62
	23095	707.5	64QAM	1	0	22.90	21.19	23.34	34.77	-13.58
				1	5	22.80	21.09	23.24	34.77	-13.68
				3	2	22.80	21.09	23.24	34.77	-13.68
				6	0	22.86	21.15	23.30	34.77	-13.62
	23173	715.5	64QAM	1	0	22.87	21.16	23.31	34.77	-13.61
				1	5	22.88	21.17	23.32	34.77	-13.60
				3	2	22.80	21.09	23.24	34.77	-13.68
				6	0	22.84	21.13	23.28	34.77	-13.64
1.4	23017	699.7	256QAM	1	0	22.91	21.20	23.35	34.77	-13.57
				1	5	22.88	21.17	23.32	34.77	-13.60
				3	2	22.88	21.17	23.32	34.77	-13.60
				6	0	22.90	21.19	23.34	34.77	-13.58
	23095	707.5	256QAM	1	0	22.83	21.12	23.27	34.77	-13.65
				1	5	22.78	21.07	23.22	34.77	-13.70
				3	2	22.94	21.23	23.38	34.77	-13.54
				6	0	22.88	21.17	23.32	34.77	-13.60
	23173	715.5	256QAM	1	0	22.91	21.20	23.35	34.77	-13.57
				1	5	22.88	21.17	23.32	34.77	-13.60
				3	2	22.90	21.19	23.34	34.77	-13.58
				6	0	22.87	21.16	23.31	34.77	-13.61

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Antenna gain (dBi)		0.44								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	23025	700.5	QPSK	1	0	22.92	21.21	23.36	34.77	-13.56
				1	14	22.80	21.09	23.24	34.77	-13.68
				8	4	22.88	21.17	23.32	34.77	-13.60
				15	0	22.86	21.15	23.30	34.77	-13.62
	23095	707.5	QPSK	1	0	22.77	21.06	23.21	34.77	-13.71
				1	14	22.94	21.23	23.38	34.77	-13.54
				8	4	22.83	21.12	23.27	34.77	-13.65
				15	0	22.89	21.18	23.33	34.77	-13.59
	23165	714.5	QPSK	1	0	22.81	21.10	23.25	34.77	-13.67
				1	14	22.91	21.20	23.35	34.77	-13.57
				8	4	22.78	21.07	23.22	34.77	-13.70
				15	0	22.89	21.18	23.33	34.77	-13.59
3	23025	700.5	16QAM	1	0	22.87	21.16	23.31	34.77	-13.61
				1	14	22.91	21.20	23.35	34.77	-13.57
				8	4	22.84	21.13	23.28	34.77	-13.64
				15	0	22.84	21.13	23.28	34.77	-13.64
	23095	707.5	16QAM	1	0	22.82	21.11	23.26	34.77	-13.66
				1	14	22.97	21.26	23.41	34.77	-13.51
				8	4	22.95	21.24	23.39	34.77	-13.53
				15	0	22.83	21.12	23.27	34.77	-13.65
	23165	714.5	16QAM	1	0	22.87	21.16	23.31	34.77	-13.61
				1	14	22.91	21.20	23.35	34.77	-13.57
				8	4	22.79	21.08	23.23	34.77	-13.69
				15	0	22.83	21.12	23.27	34.77	-13.65
3	23025	700.5	64QAM	1	0	22.91	21.20	23.35	34.77	-13.57
				1	14	22.78	21.07	23.22	34.77	-13.70
				8	4	22.86	21.15	23.30	34.77	-13.62
				15	0	22.83	21.12	23.27	34.77	-13.65
	23095	707.5	64QAM	1	0	22.80	21.09	23.24	34.77	-13.68
				1	14	22.84	21.13	23.28	34.77	-13.64
				8	4	22.91	21.20	23.35	34.77	-13.57
				15	0	22.77	21.06	23.21	34.77	-13.71
	23165	714.5	64QAM	1	0	22.97	21.26	23.41	34.77	-13.51
				1	14	22.84	21.13	23.28	34.77	-13.64
				8	4	22.88	21.17	23.32	34.77	-13.60
				15	0	22.90	21.19	23.34	34.77	-13.58
3	23025	700.5	256QAM	1	0	22.89	21.18	23.33	34.77	-13.59
				1	14	22.96	21.25	23.40	34.77	-13.52
				8	4	22.85	21.14	23.29	34.77	-13.63
				15	0	22.87	21.16	23.31	34.77	-13.61
	23095	707.5	256QAM	1	0	22.87	21.16	23.31	34.77	-13.61
				1	14	22.87	21.16	23.31	34.77	-13.61
				8	4	22.91	21.20	23.35	34.77	-13.57
				15	0	22.94	21.23	23.38	34.77	-13.54
	23165	714.5	256QAM	1	0	22.89	21.18	23.33	34.77	-13.59
				1	14	22.95	21.24	23.39	34.77	-13.53
				8	4	22.96	21.25	23.40	34.77	-13.52
				15	0	22.82	21.11	23.26	34.77	-13.66

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Antenna gain (dBi)		0.44								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23035	701.5	QPSK	1	0	22.82	21.11	23.26	34.77	-13.66
				1	24	22.92	21.21	23.36	34.77	-13.56
				12	6	22.78	21.07	23.22	34.77	-13.70
				25	0	22.78	21.07	23.22	34.77	-13.70
	23095	707.5	QPSK	1	0	22.86	21.15	23.30	34.77	-13.62
				1	24	22.92	21.21	23.36	34.77	-13.56
				12	6	22.96	21.25	23.40	34.77	-13.52
				25	0	22.90	21.19	23.34	34.77	-13.58
	23155	713.5	QPSK	1	0	22.94	21.23	23.38	34.77	-13.54
				1	24	22.94	21.23	23.38	34.77	-13.54
				12	6	22.85	21.14	23.29	34.77	-13.63
				25	0	22.83	21.12	23.27	34.77	-13.65
5	23035	701.5	16QAM	1	0	22.78	21.07	23.22	34.77	-13.70
				1	24	22.88	21.17	23.32	34.77	-13.60
				12	6	22.85	21.14	23.29	34.77	-13.63
				25	0	22.85	21.14	23.29	34.77	-13.63
	23095	707.5	16QAM	1	0	22.92	21.21	23.36	34.77	-13.56
				1	24	22.81	21.10	23.25	34.77	-13.67
				12	6	22.87	21.16	23.31	34.77	-13.61
				25	0	22.81	21.10	23.25	34.77	-13.67
	23155	713.5	16QAM	1	0	22.86	21.15	23.30	34.77	-13.62
				1	24	22.95	21.24	23.39	34.77	-13.53
				12	6	22.88	21.17	23.32	34.77	-13.60
				25	0	22.90	21.19	23.34	34.77	-13.58
5	23035	701.5	64QAM	1	0	22.89	21.18	23.33	34.77	-13.59
				1	24	22.92	21.21	23.36	34.77	-13.56
				12	6	22.78	21.07	23.22	34.77	-13.70
				25	0	22.89	21.18	23.33	34.77	-13.59
	23095	707.5	64QAM	1	0	22.83	21.12	23.27	34.77	-13.65
				1	24	22.90	21.19	23.34	34.77	-13.58
				12	6	22.83	21.12	23.27	34.77	-13.65
				25	0	22.82	21.11	23.26	34.77	-13.66
	23155	713.5	64QAM	1	0	22.79	21.08	23.23	34.77	-13.69
				1	24	22.93	21.22	23.37	34.77	-13.55
				12	6	22.87	21.16	23.31	34.77	-13.61
				25	0	22.83	21.12	23.27	34.77	-13.65
5	23035	701.5	256QAM	1	0	22.83	21.12	23.27	34.77	-13.65
				1	24	22.89	21.18	23.33	34.77	-13.59
				12	6	22.84	21.13	23.28	34.77	-13.64
				25	0	22.79	21.08	23.23	34.77	-13.69
	23095	707.5	256QAM	1	0	22.87	21.16	23.31	34.77	-13.61
				1	24	22.86	21.15	23.30	34.77	-13.62
				12	6	22.86	21.15	23.30	34.77	-13.62
				25	0	22.81	21.10	23.25	34.77	-13.67
	23155	713.5	256QAM	1	0	22.90	21.19	23.34	34.77	-13.58
				1	24	22.94	21.23	23.38	34.77	-13.54
				12	6	22.82	21.11	23.26	34.77	-13.66
				25	0	22.82	21.11	23.26	34.77	-13.66

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Antenna gain (dBi)		0.44								
LTE Band 12_Uplink frequency band : 699 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23060	704	QPSK	1	0	22.95	21.24	23.39	34.77	-13.53
				1	49	22.83	21.12	23.27	34.77	-13.65
				25	12	22.82	21.11	23.26	34.77	-13.66
				50	0	22.96	21.25	23.40	34.77	-13.52
	23095	707.5	QPSK	1	0	22.93	21.22	23.37	34.77	-13.55
				1	49	22.84	21.13	23.28	34.77	-13.64
				25	12	22.79	21.08	23.23	34.77	-13.69
				50	0	22.83	21.12	23.27	34.77	-13.65
	23130	711	QPSK	1	0	22.98	21.27	23.42	34.77	-13.50
				1	49	22.93	21.22	23.37	34.77	-13.55
				25	12	22.94	21.23	23.38	34.77	-13.54
				50	0	22.91	21.20	23.35	34.77	-13.57
10	23060	704	16QAM	1	0	22.78	21.07	23.22	34.77	-13.70
				1	49	22.81	21.10	23.25	34.77	-13.67
				25	12	22.88	21.17	23.32	34.77	-13.60
				50	0	22.96	21.25	23.40	34.77	-13.52
	23095	707.5	16QAM	1	0	22.80	21.09	23.24	34.77	-13.68
				1	49	22.88	21.17	23.32	34.77	-13.60
				25	12	22.93	21.22	23.37	34.77	-13.55
				50	0	22.80	21.09	23.24	34.77	-13.68
	23130	711	16QAM	1	0	22.92	21.21	23.36	34.77	-13.56
				1	49	22.94	21.23	23.38	34.77	-13.54
				25	12	22.85	21.14	23.29	34.77	-13.63
				50	0	22.89	21.18	23.33	34.77	-13.59
10	23060	704	64QAM	1	0	22.88	21.17	23.32	34.77	-13.60
				1	49	22.86	21.15	23.30	34.77	-13.62
				25	12	22.79	21.08	23.23	34.77	-13.69
				50	0	22.87	21.16	23.31	34.77	-13.61
	23095	707.5	64QAM	1	0	22.93	21.22	23.37	34.77	-13.55
				1	49	22.84	21.13	23.28	34.77	-13.64
				25	12	22.82	21.11	23.26	34.77	-13.66
				50	0	22.96	21.25	23.40	34.77	-13.52
	23130	711	64QAM	1	0	22.95	21.24	23.39	34.77	-13.53
				1	49	22.95	21.24	23.39	34.77	-13.53
				25	12	22.92	21.21	23.36	34.77	-13.56
				50	0	22.93	21.22	23.37	34.77	-13.55
10	23060	704	256QAM	1	0	22.83	21.12	23.27	34.77	-13.65
				1	49	22.93	21.22	23.37	34.77	-13.55
				25	12	22.89	21.18	23.33	34.77	-13.59
				50	0	22.89	21.18	23.33	34.77	-13.59
	23095	707.5	256QAM	1	0	22.91	21.20	23.35	34.77	-13.57
				1	49	22.98	21.27	23.42	34.77	-13.50
				25	12	22.80	21.09	23.24	34.77	-13.68
				50	0	22.78	21.07	23.22	34.77	-13.70
	23130	711	256QAM	1	0	22.85	21.14	23.29	34.77	-13.63
				1	49	22.94	21.23	23.38	34.77	-13.54
				25	12	22.92	21.21	23.36	34.77	-13.56
				50	0	22.82	21.11	23.26	34.77	-13.66

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Antenna gain (dBi)		-0.46								
LTE Band 13_Uplink frequency band : 777 to 787 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23205	779.5	QPSK	1	0	22.85	20.24	22.39	34.77	-14.53
				1	24	22.87	20.26	22.41	34.77	-14.51
				12	6	22.71	20.10	22.25	34.77	-14.67
				25	0	22.84	20.23	22.38	34.77	-14.54
	23230	782	QPSK	1	0	22.74	20.13	22.28	34.77	-14.64
				1	24	22.81	20.20	22.35	34.77	-14.57
				12	6	22.73	20.12	22.27	34.77	-14.65
				25	0	22.87	20.26	22.41	34.77	-14.51
	23255	784.5	QPSK	1	0	22.72	20.11	22.26	34.77	-14.66
				1	24	22.85	20.24	22.39	34.77	-14.53
				12	6	22.81	20.20	22.35	34.77	-14.57
				25	0	22.71	20.10	22.25	34.77	-14.67
5	23205	779.5	16QAM	1	0	22.71	20.10	22.25	34.77	-14.67
				1	24	22.78	20.17	22.32	34.77	-14.60
				12	6	22.90	20.29	22.44	34.77	-14.48
				25	0	22.85	20.24	22.39	34.77	-14.53
	23230	782	16QAM	1	0	22.78	20.17	22.32	34.77	-14.60
				1	24	22.86	20.25	22.40	34.77	-14.52
				12	6	22.79	20.18	22.33	34.77	-14.59
				25	0	22.89	20.28	22.43	34.77	-14.49
	23255	784.5	16QAM	1	0	22.79	20.18	22.33	34.77	-14.59
				1	24	22.85	20.24	22.39	34.77	-14.53
				12	6	22.83	20.22	22.37	34.77	-14.55
				25	0	22.82	20.21	22.36	34.77	-14.56
5	23205	779.5	64QAM	1	0	22.80	20.19	22.34	34.77	-14.58
				1	24	22.80	20.19	22.34	34.77	-14.58
				12	6	22.74	20.13	22.28	34.77	-14.64
				25	0	22.80	20.19	22.34	34.77	-14.58
	23230	782	64QAM	1	0	22.86	20.25	22.40	34.77	-14.52
				1	24	22.79	20.18	22.33	34.77	-14.59
				12	6	22.89	20.28	22.43	34.77	-14.49
				25	0	22.74	20.13	22.28	34.77	-14.64
	23255	784.5	64QAM	1	0	22.81	20.20	22.35	34.77	-14.57
				1	24	22.81	20.20	22.35	34.77	-14.57
				12	6	22.88	20.27	22.42	34.77	-14.50
				25	0	22.89	20.28	22.43	34.77	-14.49
5	23205	779.5	256QAM	1	0	22.85	20.24	22.39	34.77	-14.53
				1	24	22.90	20.29	22.44	34.77	-14.48
				12	6	22.84	20.23	22.38	34.77	-14.54
				25	0	22.77	20.16	22.31	34.77	-14.61
	23230	782	256QAM	1	0	22.74	20.13	22.28	34.77	-14.64
				1	24	22.78	20.17	22.32	34.77	-14.60
				12	6	22.89	20.28	22.43	34.77	-14.49
				25	0	22.81	20.20	22.35	34.77	-14.57
	23255	784.5	256QAM	1	0	22.89	20.28	22.43	34.77	-14.49
				1	24	22.84	20.23	22.38	34.77	-14.54
				12	6	22.75	20.14	22.29	34.77	-14.63
				25	0	22.82	20.21	22.36	34.77	-14.56

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Antenna gain (dBi)		-0.46								
LTE Band 13_Uplink frequency band : 777 to 787 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23230	782	QPSK	1	0	22.91	20.30	22.45	34.77	-14.47
				1	49	22.74	20.13	22.28	34.77	-14.64
				25	12	22.73	20.12	22.27	34.77	-14.65
				50	0	22.82	20.21	22.36	34.77	-14.56
10	23230	782	16QAM	1	0	22.87	20.26	22.41	34.77	-14.51
				1	49	22.89	20.28	22.43	34.77	-14.49
				25	12	22.77	20.16	22.31	34.77	-14.61
				50	0	22.87	20.26	22.41	34.77	-14.51
10	23230	782	64QAM	1	0	22.86	20.25	22.40	34.77	-14.52
				1	49	22.80	20.19	22.34	34.77	-14.58
				25	12	22.87	20.26	22.41	34.77	-14.51
				50	0	22.76	20.15	22.30	34.77	-14.62
10	23230	782	256QAM	1	0	22.85	20.24	22.39	34.77	-14.53
				1	49	22.80	20.19	22.34	34.77	-14.58
				25	12	22.90	20.29	22.44	34.77	-14.48
				50	0	22.87	20.26	22.41	34.77	-14.51

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Antenna gain (dBi)		-0.61								
LTE Band 14_Uplink frequency band : 788 to 798 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23305	790.5	QPSK	1	0	22.77	20.01	22.16	34.77	-14.76
				1	24	22.74	19.98	22.13	34.77	-14.79
				12	6	22.89	20.13	22.28	34.77	-14.64
				25	0	22.77	20.01	22.16	34.77	-14.76
	23330	793	QPSK	1	0	22.85	20.09	22.24	34.77	-14.68
				1	24	22.86	20.10	22.25	34.77	-14.67
				12	6	22.87	20.11	22.26	34.77	-14.66
				25	0	22.87	20.11	22.26	34.77	-14.66
	23355	795.5	QPSK	1	0	22.79	20.03	22.18	34.77	-14.74
				1	24	22.89	20.13	22.28	34.77	-14.64
				12	6	22.80	20.04	22.19	34.77	-14.73
				25	0	22.83	20.07	22.22	34.77	-14.70
5	23305	790.5	16QAM	1	0	22.89	20.13	22.28	34.77	-14.64
				1	24	22.82	20.06	22.21	34.77	-14.71
				12	6	22.76	20.00	22.15	34.77	-14.77
				25	0	22.86	20.10	22.25	34.77	-14.67
	23330	793	16QAM	1	0	22.86	20.10	22.25	34.77	-14.67
				1	24	22.94	20.18	22.33	34.77	-14.59
				12	6	22.96	20.20	22.35	34.77	-14.57
				25	0	22.98	20.22	22.37	34.77	-14.55
	23355	795.5	16QAM	1	0	22.87	20.11	22.26	34.77	-14.66
				1	24	22.76	20.00	22.15	34.77	-14.77
				12	6	22.81	20.05	22.20	34.77	-14.72
				25	0	22.80	20.04	22.19	34.77	-14.73
5	23305	790.5	64QAM	1	0	22.79	20.03	22.18	34.77	-14.74
				1	24	22.73	19.97	22.12	34.77	-14.80
				12	6	22.71	19.95	22.10	34.77	-14.82
				25	0	22.70	19.94	22.09	34.77	-14.83
	23330	793	64QAM	1	0	22.91	20.15	22.30	34.77	-14.62
				1	24	22.89	20.13	22.28	34.77	-14.64
				12	6	22.90	20.14	22.29	34.77	-14.63
				25	0	22.92	20.16	22.31	34.77	-14.61
	23355	795.5	64QAM	1	0	22.77	20.01	22.16	34.77	-14.76
				1	24	22.75	19.99	22.14	34.77	-14.78
				12	6	22.75	19.99	22.14	34.77	-14.78
				25	0	22.81	20.05	22.20	34.77	-14.72
5	23305	790.5	256QAM	1	0	22.76	20.00	22.15	34.77	-14.77
				1	24	22.73	19.97	22.12	34.77	-14.80
				12	6	22.78	20.02	22.17	34.77	-14.75
				25	0	22.81	20.05	22.20	34.77	-14.72
	23330	793	256QAM	1	0	22.93	20.17	22.32	34.77	-14.60
				1	24	22.90	20.14	22.29	34.77	-14.63
				12	6	22.96	20.20	22.35	34.77	-14.57
				25	0	22.91	20.15	22.30	34.77	-14.62
	23355	795.5	256QAM	1	0	22.87	20.11	22.26	34.77	-14.66
				1	24	22.87	20.11	22.26	34.77	-14.66
				12	6	22.89	20.13	22.28	34.77	-14.64
				25	0	22.75	19.99	22.14	34.77	-14.78

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Antenna gain (dBi)		-0.61								
LTE Band 14_Uplink frequency band : 788 to 798 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23330	793	QPSK	1	0	22.99	20.23	22.38	34.77	-14.54
				1	49	22.90	20.14	22.29	34.77	-14.63
				25	12	22.85	20.09	22.24	34.77	-14.68
				50	0	22.95	20.19	22.34	34.77	-14.58
10	23330	793	16QAM	1	0	22.93	20.17	22.32	34.77	-14.60
				1	49	22.92	20.16	22.31	34.77	-14.61
				25	12	22.84	20.08	22.23	34.77	-14.69
				50	0	22.98	20.22	22.37	34.77	-14.55
10	23330	793	64QAM	1	0	22.81	20.05	22.20	34.77	-14.72
				1	49	22.80	20.04	22.19	34.77	-14.73
				25	12	22.94	20.18	22.33	34.77	-14.59
				50	0	22.93	20.17	22.32	34.77	-14.60
10	23330	793	256QAM	1	0	22.91	20.15	22.30	34.77	-14.62
				1	49	22.95	20.19	22.34	34.77	-14.58
				25	12	22.88	20.12	22.27	34.77	-14.65
				50	0	22.87	20.11	22.26	34.77	-14.66

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Antenna gain (dBi)		0.49								
LTE Band 17_Uplink frequency band : 704 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	23755	706.5	QPSK	1	0	22.87	21.21	23.36	34.77	-13.56
				1	24	22.98	21.32	23.47	34.77	-13.45
				12	6	22.79	21.13	23.28	34.77	-13.64
				25	0	22.84	21.18	23.33	34.77	-13.59
	23790	710	QPSK	1	0	22.95	21.29	23.44	34.77	-13.48
				1	24	22.88	21.22	23.37	34.77	-13.55
				12	6	22.83	21.17	23.32	34.77	-13.60
				25	0	22.90	21.24	23.39	34.77	-13.53
	23825	713.5	QPSK	1	0	22.84	21.18	23.33	34.77	-13.59
				1	24	22.86	21.20	23.35	34.77	-13.57
				12	6	22.79	21.13	23.28	34.77	-13.64
				25	0	22.84	21.18	23.33	34.77	-13.59
5	23755	706.5	16QAM	1	0	22.86	21.20	23.35	34.77	-13.57
				1	24	22.94	21.28	23.43	34.77	-13.49
				12	6	22.97	21.31	23.46	34.77	-13.46
				25	0	22.97	21.31	23.46	34.77	-13.46
	23790	710	16QAM	1	0	22.84	21.18	23.33	34.77	-13.59
				1	24	22.86	21.20	23.35	34.77	-13.57
				12	6	22.84	21.18	23.33	34.77	-13.59
				25	0	22.97	21.31	23.46	34.77	-13.46
	23825	713.5	16QAM	1	0	22.94	21.28	23.43	34.77	-13.49
				1	24	22.87	21.21	23.36	34.77	-13.56
				12	6	22.79	21.13	23.28	34.77	-13.64
				25	0	22.90	21.24	23.39	34.77	-13.53
5	23755	706.5	64QAM	1	0	22.86	21.20	23.35	34.77	-13.57
				1	24	22.81	21.15	23.30	34.77	-13.62
				12	6	22.87	21.21	23.36	34.77	-13.56
				25	0	22.80	21.14	23.29	34.77	-13.63
	23790	710	64QAM	1	0	22.85	21.19	23.34	34.77	-13.58
				1	24	22.93	21.27	23.42	34.77	-13.50
				12	6	22.94	21.28	23.43	34.77	-13.49
				25	0	22.95	21.29	23.44	34.77	-13.48
	23825	713.5	64QAM	1	0	22.91	21.25	23.40	34.77	-13.52
				1	24	22.86	21.20	23.35	34.77	-13.57
				12	6	22.84	21.18	23.33	34.77	-13.59
				25	0	22.88	21.22	23.37	34.77	-13.55
5	23755	706.5	256QAM	1	0	22.88	21.22	23.37	34.77	-13.55
				1	24	22.93	21.27	23.42	34.77	-13.50
				12	6	22.88	21.22	23.37	34.77	-13.55
				25	0	22.90	21.24	23.39	34.77	-13.53
	23790	710	256QAM	1	0	22.81	21.15	23.30	34.77	-13.62
				1	24	22.82	21.16	23.31	34.77	-13.61
				12	6	22.78	21.12	23.27	34.77	-13.65
				25	0	22.83	21.17	23.32	34.77	-13.60
	23825	713.5	256QAM	1	0	22.91	21.25	23.40	34.77	-13.52
				1	24	22.80	21.14	23.29	34.77	-13.63
				12	6	22.91	21.25	23.40	34.77	-13.52
				25	0	22.82	21.16	23.31	34.77	-13.61

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Antenna gain (dBi)		0.49								
LTE Band 17_Uplink frequency band : 704 to 716 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	23780	709	QPSK	1	0	22.99	21.33	23.48	34.77	-13.44
				1	49	22.81	21.15	23.30	34.77	-13.62
				25	12	22.82	21.16	23.31	34.77	-13.61
				50	0	22.88	21.22	23.37	34.77	-13.55
	23790	710	QPSK	1	0	22.98	21.32	23.47	34.77	-13.45
				1	49	22.98	21.32	23.47	34.77	-13.45
				25	12	22.94	21.28	23.43	34.77	-13.49
				50	0	22.90	21.24	23.39	34.77	-13.53
	23800	711	QPSK	1	0	22.97	21.31	23.46	34.77	-13.46
				1	49	22.90	21.24	23.39	34.77	-13.53
				25	12	22.92	21.26	23.41	34.77	-13.51
				50	0	22.96	21.30	23.45	34.77	-13.47
10	23780	709	16QAM	1	0	22.94	21.28	23.43	34.77	-13.49
				1	49	22.86	21.20	23.35	34.77	-13.57
				25	12	22.97	21.31	23.46	34.77	-13.46
				50	0	22.85	21.19	23.34	34.77	-13.58
	23790	710	16QAM	1	0	22.82	21.16	23.31	34.77	-13.61
				1	49	22.79	21.13	23.28	34.77	-13.64
				25	12	22.91	21.25	23.40	34.77	-13.52
				50	0	22.88	21.22	23.37	34.77	-13.55
	23800	711	16QAM	1	0	22.94	21.28	23.43	34.77	-13.49
				1	49	22.78	21.12	23.27	34.77	-13.65
				25	12	22.94	21.28	23.43	34.77	-13.49
				50	0	22.93	21.27	23.42	34.77	-13.50
10	23780	709	64QAM	1	0	22.96	21.30	23.45	34.77	-13.47
				1	49	22.85	21.19	23.34	34.77	-13.58
				25	12	22.93	21.27	23.42	34.77	-13.50
				50	0	22.82	21.16	23.31	34.77	-13.61
	23790	710	64QAM	1	0	22.87	21.21	23.36	34.77	-13.56
				1	49	22.90	21.24	23.39	34.77	-13.53
				25	12	22.96	21.30	23.45	34.77	-13.47
				50	0	22.84	21.18	23.33	34.77	-13.59
	23800	711	64QAM	1	0	22.82	21.16	23.31	34.77	-13.61
				1	49	22.93	21.27	23.42	34.77	-13.50
				25	12	22.95	21.29	23.44	34.77	-13.48
				50	0	22.95	21.29	23.44	34.77	-13.48
10	23780	709	256QAM	1	0	22.90	21.24	23.39	34.77	-13.53
				1	49	22.80	21.14	23.29	34.77	-13.63
				25	12	22.84	21.18	23.33	34.77	-13.59
				50	0	22.90	21.24	23.39	34.77	-13.53
	23790	710	256QAM	1	0	22.95	21.29	23.44	34.77	-13.48
				1	49	22.82	21.16	23.31	34.77	-13.61
				25	12	22.86	21.20	23.35	34.77	-13.57
				50	0	22.86	21.20	23.35	34.77	-13.57
	23800	711	256QAM	1	0	22.89	21.23	23.38	34.77	-13.54
				1	49	22.96	21.30	23.45	34.77	-13.47
				25	12	22.96	21.30	23.45	34.77	-13.47
				50	0	22.89	21.23	23.38	34.77	-13.54

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Antenna gain (dBi)		0.54							
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	26047	1850.7	QPSK	1	0	20.00	20.54	33	-12.46
				1	5	19.93	20.47	33	-12.53
				3	2	19.90	20.44	33	-12.56
				6	0	19.87	20.41	33	-12.59
	26365	1882.5	QPSK	1	0	20.10	20.64	33	-12.36
				1	5	19.84	20.38	33	-12.62
				3	2	20.01	20.55	33	-12.45
				6	0	20.00	20.54	33	-12.46
	26683	1914.3	QPSK	1	0	19.98	20.52	33	-12.48
				1	5	19.95	20.49	33	-12.51
				3	2	20.06	20.60	33	-12.4
				6	0	20.07	20.61	33	-12.39
1.4	26047	1850.7	16QAM	1	0	19.98	20.52	33	-12.48
				1	5	20.04	20.58	33	-12.42
				3	2	19.93	20.47	33	-12.53
				6	0	20.05	20.59	33	-12.41
	26365	1882.5	16QAM	1	0	20.05	20.59	33	-12.41
				1	5	20.00	20.54	33	-12.46
				3	2	19.91	20.45	33	-12.55
				6	0	19.96	20.50	33	-12.5
	26683	1914.3	16QAM	1	0	19.96	20.50	33	-12.5
				1	5	19.97	20.51	33	-12.49
				3	2	20.07	20.61	33	-12.39
				6	0	19.96	20.50	33	-12.5
1.4	26047	1850.7	64QAM	1	0	20.02	20.56	33	-12.44
				1	5	20.09	20.63	33	-12.37
				3	2	20.00	20.54	33	-12.46
				6	0	19.91	20.45	33	-12.55
	26365	1882.5	64QAM	1	0	20.05	20.59	33	-12.41
				1	5	20.02	20.56	33	-12.44
				3	2	20.01	20.55	33	-12.45
				6	0	20.04	20.58	33	-12.42
	26683	1914.3	64QAM	1	0	19.99	20.53	33	-12.47
				1	5	20.05	20.59	33	-12.41
				3	2	19.93	20.47	33	-12.53
				6	0	19.87	20.41	33	-12.59
1.4	26047	1850.7	256QAM	1	0	20.01	20.55	33	-12.45
				1	5	20.03	20.57	33	-12.43
				3	2	20.00	20.54	33	-12.46
				6	0	19.92	20.46	33	-12.54
	26365	1882.5	256QAM	1	0	19.98	20.52	33	-12.48
				1	5	19.96	20.50	33	-12.5
				3	2	20.02	20.56	33	-12.44
				6	0	19.92	20.46	33	-12.54
	26683	1914.3	256QAM	1	0	19.88	20.42	33	-12.58
				1	5	20.02	20.56	33	-12.44
				3	2	19.90	20.44	33	-12.56
				6	0	19.99	20.53	33	-12.47

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Antenna gain (dBi)		0.54							
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	26055	1851.5	QPSK	1	0	20.06	20.60	33	-12.4
				1	14	19.96	20.50	33	-12.5
				8	4	19.94	20.48	33	-12.52
				15	0	19.90	20.44	33	-12.56
	26365	1882.5	QPSK	1	0	20.12	20.66	33	-12.34
				1	14	19.85	20.39	33	-12.61
				8	4	20.03	20.57	33	-12.43
				15	0	20.04	20.58	33	-12.42
	26675	1913.5	QPSK	1	0	19.99	20.53	33	-12.47
				1	14	19.97	20.51	33	-12.49
				8	4	20.12	20.66	33	-12.34
				15	0	20.11	20.65	33	-12.35
3	26055	1851.5	16QAM	1	0	20.02	20.56	33	-12.44
				1	14	20.10	20.64	33	-12.36
				8	4	19.94	20.48	33	-12.52
				15	0	20.07	20.61	33	-12.39
	26365	1882.5	16QAM	1	0	20.10	20.64	33	-12.36
				1	14	19.99	20.53	33	-12.47
				8	4	19.97	20.51	33	-12.49
				15	0	20.00	20.54	33	-12.46
	26675	1913.5	16QAM	1	0	19.96	20.50	33	-12.5
				1	14	20.02	20.56	33	-12.44
				8	4	20.11	20.65	33	-12.35
				15	0	19.97	20.51	33	-12.49
3	26055	1851.5	64QAM	1	0	20.01	20.55	33	-12.45
				1	14	20.08	20.62	33	-12.38
				8	4	20.08	20.62	33	-12.38
				15	0	19.90	20.44	33	-12.56
	26365	1882.5	64QAM	1	0	20.10	20.64	33	-12.36
				1	14	20.09	20.63	33	-12.37
				8	4	20.03	20.57	33	-12.43
				15	0	20.02	20.56	33	-12.44
	26675	1913.5	64QAM	1	0	20.01	20.55	33	-12.45
				1	14	20.09	20.63	33	-12.37
				8	4	19.94	20.48	33	-12.52
				15	0	19.95	20.49	33	-12.51
3	26055	1851.5	256QAM	1	0	20.04	20.58	33	-12.42
				1	14	20.05	20.59	33	-12.41
				8	4	20.06	20.60	33	-12.4
				15	0	19.97	20.51	33	-12.49
	26365	1882.5	256QAM	1	0	20.03	20.57	33	-12.43
				1	14	20.00	20.54	33	-12.46
				8	4	20.04	20.58	33	-12.42
				15	0	19.94	20.48	33	-12.52
	26675	1913.5	256QAM	1	0	19.90	20.44	33	-12.56
				1	14	20.12	20.66	33	-12.34
				8	4	19.91	20.45	33	-12.55
				15	0	20.02	20.56	33	-12.44

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Antenna gain (dBi)		0.54							
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	26065	1852.5	QPSK	1	0	20.05	20.59	33	-12.41
				1	24	19.96	20.50	33	-12.5
				12	6	19.93	20.47	33	-12.53
				25	0	19.95	20.49	33	-12.51
	26365	1882.5	QPSK	1	0	20.16	20.70	33	-12.3
				1	24	19.90	20.44	33	-12.56
				12	6	20.09	20.63	33	-12.37
				25	0	20.08	20.62	33	-12.38
	26665	1912.5	QPSK	1	0	20.03	20.57	33	-12.43
				1	24	19.98	20.52	33	-12.48
				12	6	20.12	20.66	33	-12.34
				25	0	20.13	20.67	33	-12.33
5	26065	1852.5	16QAM	1	0	19.99	20.53	33	-12.47
				1	24	20.07	20.61	33	-12.39
				12	6	19.97	20.51	33	-12.49
				25	0	20.09	20.63	33	-12.37
	26365	1882.5	16QAM	1	0	20.11	20.65	33	-12.35
				1	24	20.03	20.57	33	-12.43
				12	6	20.00	20.54	33	-12.46
				25	0	20.01	20.55	33	-12.45
	26665	1912.5	16QAM	1	0	19.99	20.53	33	-12.47
				1	24	20.05	20.59	33	-12.41
				12	6	20.09	20.63	33	-12.37
				25	0	19.99	20.53	33	-12.47
5	26065	1852.5	64QAM	1	0	20.06	20.60	33	-12.4
				1	24	20.12	20.66	33	-12.34
				12	6	20.03	20.57	33	-12.43
				25	0	19.94	20.48	33	-12.52
	26365	1882.5	64QAM	1	0	20.10	20.64	33	-12.36
				1	24	20.08	20.62	33	-12.38
				12	6	20.00	20.54	33	-12.46
				25	0	20.06	20.60	33	-12.4
	26665	1912.5	64QAM	1	0	20.03	20.57	33	-12.43
				1	24	20.11	20.65	33	-12.35
				12	6	19.93	20.47	33	-12.53
				25	0	19.94	20.48	33	-12.52
5	26065	1852.5	256QAM	1	0	20.04	20.58	33	-12.42
				1	24	20.04	20.58	33	-12.42
				12	6	20.03	20.57	33	-12.43
				25	0	19.99	20.53	33	-12.47
	26365	1882.5	256QAM	1	0	20.02	20.56	33	-12.44
				1	24	19.98	20.52	33	-12.48
				12	6	20.07	20.61	33	-12.39
				25	0	19.95	20.49	33	-12.51
	26665	1912.5	256QAM	1	0	19.94	20.48	33	-12.52
				1	24	20.11	20.65	33	-12.35
				12	6	19.90	20.44	33	-12.56
				25	0	20.05	20.59	33	-12.41

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Antenna gain (dBi)		0.54							
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	26090	1855	QPSK	1	0	20.09	20.63	33	-12.37
				1	49	19.99	20.53	33	-12.47
				25	12	20.00	20.54	33	-12.46
				50	0	20.01	20.55	33	-12.45
	26365	1882.5	QPSK	1	0	20.19	20.73	33	-12.27
				1	49	19.95	20.49	33	-12.51
				25	12	20.15	20.69	33	-12.31
				50	0	20.13	20.67	33	-12.33
	26640	1910	QPSK	1	0	20.09	20.63	33	-12.37
				1	49	20.05	20.59	33	-12.41
				25	12	20.15	20.69	33	-12.31
				50	0	20.11	20.65	33	-12.35
10	26090	1855	16QAM	1	0	20.07	20.61	33	-12.39
				1	49	20.13	20.67	33	-12.33
				25	12	20.04	20.58	33	-12.42
				50	0	20.14	20.68	33	-12.32
	26365	1882.5	16QAM	1	0	20.15	20.69	33	-12.31
				1	49	20.07	20.61	33	-12.39
				25	12	20.06	20.60	33	-12.4
				50	0	20.06	20.60	33	-12.4
	26640	1910	16QAM	1	0	20.08	20.62	33	-12.38
				1	49	20.10	20.64	33	-12.36
				25	12	20.17	20.71	33	-12.29
				50	0	20.08	20.62	33	-12.38
10	26090	1855	64QAM	1	0	20.09	20.63	33	-12.37
				1	49	20.15	20.69	33	-12.31
				25	12	20.10	20.64	33	-12.36
				50	0	20.02	20.56	33	-12.44
	26365	1882.5	64QAM	1	0	20.16	20.70	33	-12.3
				1	49	20.16	20.70	33	-12.3
				25	12	20.11	20.65	33	-12.35
				50	0	20.10	20.64	33	-12.36
	26640	1910	64QAM	1	0	20.12	20.66	33	-12.34
				1	49	20.16	20.70	33	-12.3
				25	12	19.98	20.52	33	-12.48
				50	0	20.01	20.55	33	-12.45
10	26090	1855	256QAM	1	0	20.09	20.63	33	-12.37
				1	49	20.11	20.65	33	-12.35
				25	12	20.10	20.64	33	-12.36
				50	0	20.07	20.61	33	-12.39
	26365	1882.5	256QAM	1	0	20.08	20.62	33	-12.38
				1	49	20.05	20.59	33	-12.41
				25	12	20.12	20.66	33	-12.34
				50	0	20.03	20.57	33	-12.43
	26640	1910	256QAM	1	0	20.00	20.54	33	-12.46
				1	49	20.20	20.74	33	-12.26
				25	12	19.96	20.50	33	-12.5
				50	0	20.08	20.62	33	-12.38

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Antenna gain (dBi)		0.54							
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	26115	1857.5	QPSK	1	0	20.10	20.64	33	-12.36
				1	74	19.98	20.52	33	-12.48
				36	18	20.00	20.54	33	-12.46
				75	0	20.03	20.57	33	-12.43
	26365	1882.5	QPSK	1	0	20.21	20.75	33	-12.25
				1	74	19.92	20.46	33	-12.54
				36	18	20.12	20.66	33	-12.34
				75	0	20.13	20.67	33	-12.33
	26615	1907.5	QPSK	1	0	20.17	20.71	33	-12.29
				1	74	20.00	20.54	33	-12.46
				36	18	20.18	20.72	33	-12.28
				75	0	20.11	20.65	33	-12.35
15	26115	1857.5	16QAM	1	0	20.03	20.57	33	-12.43
				1	74	20.14	20.68	33	-12.32
				36	18	20.01	20.55	33	-12.45
				75	0	20.11	20.65	33	-12.35
	26365	1882.5	16QAM	1	0	20.13	20.67	33	-12.33
				1	74	20.07	20.61	33	-12.39
				36	18	20.03	20.57	33	-12.43
				75	0	20.11	20.65	33	-12.35
	26615	1907.5	16QAM	1	0	20.05	20.59	33	-12.41
				1	74	20.09	20.63	33	-12.37
				36	18	20.15	20.69	33	-12.31
				75	0	20.07	20.61	33	-12.39
15	26115	1857.5	64QAM	1	0	20.12	20.66	33	-12.34
				1	74	20.17	20.71	33	-12.29
				36	18	20.10	20.64	33	-12.36
				75	0	19.98	20.52	33	-12.48
	26365	1882.5	64QAM	1	0	20.15	20.69	33	-12.31
				1	74	20.18	20.72	33	-12.28
				36	18	20.11	20.65	33	-12.35
				75	0	20.11	20.65	33	-12.35
	26615	1907.5	64QAM	1	0	20.09	20.63	33	-12.37
				1	74	20.13	20.67	33	-12.33
				36	18	20.00	20.54	33	-12.46
				75	0	19.97	20.51	33	-12.49
15	26115	1857.5	256QAM	1	0	20.11	20.65	33	-12.35
				1	74	20.12	20.66	33	-12.34
				36	18	20.09	20.63	33	-12.37
				75	0	20.01	20.55	33	-12.45
	26365	1882.5	256QAM	1	0	20.09	20.63	33	-12.37
				1	74	20.07	20.61	33	-12.39
				36	18	20.11	20.65	33	-12.35
				75	0	20.00	20.54	33	-12.46
	26615	1907.5	256QAM	1	0	19.98	20.52	33	-12.48
				1	74	20.17	20.71	33	-12.29
				36	18	20.00	20.54	33	-12.46
				75	0	20.09	20.63	33	-12.37

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Antenna gain (dBi)		0.54							
LTE Band 25_Uplink frequency band : 1850 to 1915 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	26140	1860	QPSK	1	0	20.22	20.76	33	-12.24
				1	99	20.01	20.55	33	-12.45
				50	25	19.99	20.53	33	-12.47
				100	0	19.99	20.53	33	-12.47
	26365	1882.5	QPSK	1	0	20.24	20.78	33	-12.22
				1	99	19.92	20.46	33	-12.54
				50	25	20.10	20.64	33	-12.36
				100	0	20.08	20.62	33	-12.38
	26590	1905	QPSK	1	0	20.18	20.72	33	-12.28
				1	99	20.05	20.59	33	-12.41
				50	25	20.11	20.65	33	-12.35
				100	0	20.16	20.70	33	-12.3
20	26140	1860	16QAM	1	0	20.07	20.61	33	-12.39
				1	99	20.18	20.72	33	-12.28
				50	25	20.05	20.59	33	-12.41
				100	0	20.14	20.68	33	-12.32
	26365	1882.5	16QAM	1	0	20.15	20.69	33	-12.31
				1	99	20.07	20.61	33	-12.39
				50	25	20.05	20.59	33	-12.41
				100	0	20.09	20.63	33	-12.37
	26590	1905	16QAM	1	0	20.03	20.57	33	-12.43
				1	99	20.09	20.63	33	-12.37
				50	25	20.19	20.73	33	-12.27
				100	0	20.06	20.60	33	-12.4
20	26140	1860	64QAM	1	0	20.14	20.68	33	-12.32
				1	99	20.17	20.71	33	-12.29
				50	25	20.13	20.67	33	-12.33
				100	0	19.97	20.51	33	-12.49
	26365	1882.5	64QAM	1	0	20.18	20.72	33	-12.28
				1	99	20.17	20.71	33	-12.29
				50	25	20.11	20.65	33	-12.35
				100	0	20.08	20.62	33	-12.38
	26590	1905	64QAM	1	0	20.10	20.64	33	-12.36
				1	99	20.16	20.70	33	-12.3
				50	25	20.01	20.55	33	-12.45
				100	0	19.99	20.53	33	-12.47
20	26140	1860	256QAM	1	0	20.12	20.66	33	-12.34
				1	99	20.10	20.64	33	-12.36
				50	25	20.12	20.66	33	-12.34
				100	0	20.06	20.60	33	-12.4
	26365	1882.5	256QAM	1	0	20.09	20.63	33	-12.37
				1	99	20.07	20.61	33	-12.39
				50	25	20.12	20.66	33	-12.34
				100	0	20.00	20.54	33	-12.46
	26590	1905	256QAM	1	0	20.00	20.54	33	-12.46
				1	99	20.22	20.76	33	-12.24
				50	25	19.98	20.52	33	-12.48
				100	0	20.13	20.67	33	-12.33

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Antenna gain (dBi)		-0.7								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26797	824.7	QPSK	1	0	21.82	18.97	21.12	38.45	-19.48
				1	5	21.76	18.91	21.06	38.45	-19.54
				3	2	21.74	18.89	21.04	38.45	-19.56
				6	0	21.79	18.94	21.09	38.45	-19.51
	26915	836.5	QPSK	1	0	21.73	18.88	21.03	38.45	-19.57
				1	5	21.89	19.04	21.19	38.45	-19.41
				3	2	21.76	18.91	21.06	38.45	-19.54
				6	0	21.87	19.02	21.17	38.45	-19.43
	27033	848.3	QPSK	1	0	21.83	18.98	21.13	38.45	-19.47
				1	5	21.86	19.01	21.16	38.45	-19.44
				3	2	21.83	18.98	21.13	38.45	-19.47
				6	0	21.72	18.87	21.02	38.45	-19.58
1.4	26797	824.7	16QAM	1	0	21.71	18.86	21.01	38.45	-19.59
				1	5	21.88	19.03	21.18	38.45	-19.42
				3	2	21.71	18.86	21.01	38.45	-19.59
				6	0	21.81	18.96	21.11	38.45	-19.49
	26915	836.5	16QAM	1	0	21.90	19.05	21.20	38.45	-19.40
				1	5	21.71	18.86	21.01	38.45	-19.59
				3	2	21.77	18.92	21.07	38.45	-19.53
				6	0	21.74	18.89	21.04	38.45	-19.56
	27033	848.3	16QAM	1	0	21.77	18.92	21.07	38.45	-19.53
				1	5	21.81	18.96	21.11	38.45	-19.49
				3	2	21.71	18.86	21.01	38.45	-19.59
				6	0	21.87	19.02	21.17	38.45	-19.43
1.4	26797	824.7	64QAM	1	0	21.72	18.87	21.02	38.45	-19.58
				1	5	21.76	18.91	21.06	38.45	-19.54
				3	2	21.87	19.02	21.17	38.45	-19.43
				6	0	21.86	19.01	21.16	38.45	-19.44
	26915	836.5	64QAM	1	0	21.82	18.97	21.12	38.45	-19.48
				1	5	21.88	19.03	21.18	38.45	-19.42
				3	2	21.72	18.87	21.02	38.45	-19.58
				6	0	21.87	19.02	21.17	38.45	-19.43
	27033	848.3	64QAM	1	0	21.82	18.97	21.12	38.45	-19.48
				1	5	21.73	18.88	21.03	38.45	-19.57
				3	2	21.78	18.93	21.08	38.45	-19.52
				6	0	21.77	18.92	21.07	38.45	-19.53
1.4	26797	824.7	256QAM	1	0	21.83	18.98	21.13	38.45	-19.47
				1	5	21.89	19.04	21.19	38.45	-19.41
				3	2	21.84	18.99	21.14	38.45	-19.46
				6	0	21.84	18.99	21.14	38.45	-19.46
	26915	836.5	256QAM	1	0	21.74	18.89	21.04	38.45	-19.56
				1	5	21.82	18.97	21.12	38.45	-19.48
				3	2	21.86	19.01	21.16	38.45	-19.44
				6	0	21.84	18.99	21.14	38.45	-19.46
	27033	848.3	256QAM	1	0	21.80	18.95	21.10	38.45	-19.50
				1	5	21.81	18.96	21.11	38.45	-19.49
				3	2	21.84	18.99	21.14	38.45	-19.46
				6	0	21.75	18.90	21.05	38.45	-19.55

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Antenna gain (dBi)		-0.7								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26805	825.5	QPSK	1	0	21.77	18.92	21.07	38.45	-19.53
				1	14	21.88	19.03	21.18	38.45	-19.42
				8	4	21.72	18.87	21.02	38.45	-19.58
				15	0	21.85	19.00	21.15	38.45	-19.45
	26915	836.5	QPSK	1	0	21.71	18.86	21.01	38.45	-19.59
				1	14	21.86	19.01	21.16	38.45	-19.44
				8	4	21.82	18.97	21.12	38.45	-19.48
				15	0	21.73	18.88	21.03	38.45	-19.57
	27025	847.5	QPSK	1	0	21.84	18.99	21.14	38.45	-19.46
				1	14	21.71	18.86	21.01	38.45	-19.59
				8	4	21.83	18.98	21.13	38.45	-19.47
				15	0	21.81	18.96	21.11	38.45	-19.49
3	26805	825.5	16QAM	1	0	21.80	18.95	21.10	38.45	-19.50
				1	14	21.86	19.01	21.16	38.45	-19.44
				8	4	21.80	18.95	21.10	38.45	-19.50
				15	0	21.75	18.90	21.05	38.45	-19.55
	26915	836.5	16QAM	1	0	21.74	18.89	21.04	38.45	-19.56
				1	14	21.83	18.98	21.13	38.45	-19.47
				8	4	21.84	18.99	21.14	38.45	-19.46
				15	0	21.70	18.85	21.00	38.45	-19.60
	27025	847.5	16QAM	1	0	21.70	18.85	21.00	38.45	-19.60
				1	14	21.90	19.05	21.20	38.45	-19.40
				8	4	21.71	18.86	21.01	38.45	-19.59
				15	0	21.80	18.95	21.10	38.45	-19.50
3	26805	825.5	64QAM	1	0	21.81	18.96	21.11	38.45	-19.49
				1	14	21.85	19.00	21.15	38.45	-19.45
				8	4	21.77	18.92	21.07	38.45	-19.53
				15	0	21.87	19.02	21.17	38.45	-19.43
	26915	836.5	64QAM	1	0	21.87	19.02	21.17	38.45	-19.43
				1	14	21.80	18.95	21.10	38.45	-19.50
				8	4	21.87	19.02	21.17	38.45	-19.43
				15	0	21.71	18.86	21.01	38.45	-19.59
	27025	847.5	64QAM	1	0	21.86	19.01	21.16	38.45	-19.44
				1	14	21.74	18.89	21.04	38.45	-19.56
				8	4	21.82	18.97	21.12	38.45	-19.48
				15	0	21.72	18.87	21.02	38.45	-19.58
3	26805	825.5	256QAM	1	0	21.86	19.01	21.16	38.45	-19.44
				1	14	21.74	18.89	21.04	38.45	-19.56
				8	4	21.73	18.88	21.03	38.45	-19.57
				15	0	21.88	19.03	21.18	38.45	-19.42
	26915	836.5	256QAM	1	0	21.77	18.92	21.07	38.45	-19.53
				1	14	21.81	18.96	21.11	38.45	-19.49
				8	4	21.72	18.87	21.02	38.45	-19.58
				15	0	21.72	18.87	21.02	38.45	-19.58
	27025	847.5	256QAM	1	0	21.81	18.96	21.11	38.45	-19.49
				1	14	21.74	18.89	21.04	38.45	-19.56
				8	4	21.88	19.03	21.18	38.45	-19.42
				15	0	21.74	18.89	21.04	38.45	-19.56

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Antenna gain (dBi)		-0.7								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26815	826.5	QPSK	1	0	21.78	18.93	21.08	38.45	-19.52
				1	24	21.82	18.97	21.12	38.45	-19.48
				12	6	21.80	18.95	21.10	38.45	-19.50
				25	0	21.82	18.97	21.12	38.45	-19.48
	26915	836.5	QPSK	1	0	21.79	18.94	21.09	38.45	-19.51
				1	24	21.90	19.05	21.20	38.45	-19.40
				12	6	21.74	18.89	21.04	38.45	-19.56
				25	0	21.75	18.90	21.05	38.45	-19.55
	27015	846.5	QPSK	1	0	21.77	18.92	21.07	38.45	-19.53
				1	24	21.86	19.01	21.16	38.45	-19.44
				12	6	21.81	18.96	21.11	38.45	-19.49
				25	0	21.88	19.03	21.18	38.45	-19.42
5	26815	826.5	16QAM	1	0	21.87	19.02	21.17	38.45	-19.43
				1	24	21.71	18.86	21.01	38.45	-19.59
				12	6	21.80	18.95	21.10	38.45	-19.50
				25	0	21.86	19.01	21.16	38.45	-19.44
	26915	836.5	16QAM	1	0	21.86	19.01	21.16	38.45	-19.44
				1	24	21.86	19.01	21.16	38.45	-19.44
				12	6	21.80	18.95	21.10	38.45	-19.50
				25	0	21.89	19.04	21.19	38.45	-19.41
	27015	846.5	16QAM	1	0	21.85	19.00	21.15	38.45	-19.45
				1	24	21.90	19.05	21.20	38.45	-19.40
				12	6	21.70	18.85	21.00	38.45	-19.60
				25	0	21.83	18.98	21.13	38.45	-19.47
5	26815	826.5	64QAM	1	0	21.88	19.03	21.18	38.45	-19.42
				1	24	21.83	18.98	21.13	38.45	-19.47
				12	6	21.72	18.87	21.02	38.45	-19.58
				25	0	21.85	19.00	21.15	38.45	-19.45
	26915	836.5	64QAM	1	0	21.81	18.96	21.11	38.45	-19.49
				1	24	21.72	18.87	21.02	38.45	-19.58
				12	6	21.71	18.86	21.01	38.45	-19.59
				25	0	21.78	18.93	21.08	38.45	-19.52
	27015	846.5	64QAM	1	0	21.77	18.92	21.07	38.45	-19.53
				1	24	21.85	19.00	21.15	38.45	-19.45
				12	6	21.82	18.97	21.12	38.45	-19.48
				25	0	21.74	18.89	21.04	38.45	-19.56
5	26815	826.5	256QAM	1	0	21.88	19.03	21.18	38.45	-19.42
				1	24	21.74	18.89	21.04	38.45	-19.56
				12	6	21.82	18.97	21.12	38.45	-19.48
				25	0	21.84	18.99	21.14	38.45	-19.46
	26915	836.5	256QAM	1	0	21.86	19.01	21.16	38.45	-19.44
				1	24	21.76	18.91	21.06	38.45	-19.54
				12	6	21.74	18.89	21.04	38.45	-19.56
				25	0	21.85	19.00	21.15	38.45	-19.45
	27015	846.5	256QAM	1	0	21.86	19.01	21.16	38.45	-19.44
				1	24	21.88	19.03	21.18	38.45	-19.42
				12	6	21.86	19.01	21.16	38.45	-19.44
				25	0	21.70	18.85	21.00	38.45	-19.60

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Antenna gain (dBi)		-0.7								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26840	829	QPSK	1	0	21.85	19.00	21.15	38.45	-19.45
				1	49	21.82	18.97	21.12	38.45	-19.48
				25	12	21.75	18.90	21.05	38.45	-19.55
				50	0	21.75	18.90	21.05	38.45	-19.55
	26915	836.5	QPSK	1	0	21.74	18.89	21.04	38.45	-19.56
				1	49	21.90	19.05	21.20	38.45	-19.40
				25	12	21.75	18.90	21.05	38.45	-19.55
				50	0	21.81	18.96	21.11	38.45	-19.49
	26990	844	QPSK	1	0	21.85	19.00	21.15	38.45	-19.45
				1	49	21.74	18.89	21.04	38.45	-19.56
				25	12	21.82	18.97	21.12	38.45	-19.48
				50	0	21.85	19.00	21.15	38.45	-19.45
10	26840	829	16QAM	1	0	21.87	19.02	21.17	38.45	-19.43
				1	49	21.89	19.04	21.19	38.45	-19.41
				25	12	21.80	18.95	21.10	38.45	-19.50
				50	0	21.71	18.86	21.01	38.45	-19.59
	26915	836.5	16QAM	1	0	21.71	18.86	21.01	38.45	-19.59
				1	49	21.82	18.97	21.12	38.45	-19.48
				25	12	21.72	18.87	21.02	38.45	-19.58
				50	0	21.79	18.94	21.09	38.45	-19.51
	26990	844	16QAM	1	0	21.84	18.99	21.14	38.45	-19.46
				1	49	21.76	18.91	21.06	38.45	-19.54
				25	12	21.73	18.88	21.03	38.45	-19.57
				50	0	21.77	18.92	21.07	38.45	-19.53
10	26840	829	64QAM	1	0	21.74	18.89	21.04	38.45	-19.56
				1	49	21.72	18.87	21.02	38.45	-19.58
				25	12	21.87	19.02	21.17	38.45	-19.43
				50	0	21.72	18.87	21.02	38.45	-19.58
	26915	836.5	64QAM	1	0	21.85	19.00	21.15	38.45	-19.45
				1	49	21.79	18.94	21.09	38.45	-19.51
				25	12	21.83	18.98	21.13	38.45	-19.47
				50	0	21.88	19.03	21.18	38.45	-19.42
	26990	844	64QAM	1	0	21.80	18.95	21.10	38.45	-19.50
				1	49	21.71	18.86	21.01	38.45	-19.59
				25	12	21.84	18.99	21.14	38.45	-19.46
				50	0	21.79	18.94	21.09	38.45	-19.51
10	26840	829	256QAM	1	0	21.78	18.93	21.08	38.45	-19.52
				1	49	21.80	18.95	21.10	38.45	-19.50
				25	12	21.80	18.95	21.10	38.45	-19.50
				50	0	21.79	18.94	21.09	38.45	-19.51
	26915	836.5	256QAM	1	0	21.90	19.05	21.20	38.45	-19.40
				1	49	21.82	18.97	21.12	38.45	-19.48
				25	12	21.73	18.88	21.03	38.45	-19.57
				50	0	21.88	19.03	21.18	38.45	-19.42
	26990	844	256QAM	1	0	21.75	18.90	21.05	38.45	-19.55
				1	49	21.80	18.95	21.10	38.45	-19.50
				25	12	21.87	19.02	21.17	38.45	-19.43
				50	0	21.78	18.93	21.08	38.45	-19.52

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Antenna gain (dBi)		-0.7								
LTE Band 26_Uplink frequency band : 824 to 849 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
15	26865	831.5	QPSK	1	0	21.88	19.03	21.18	38.45	-19.42
				1	74	21.72	18.87	21.02	38.45	-19.58
				36	18	21.80	18.95	21.10	38.45	-19.50
				75	0	21.72	18.87	21.02	38.45	-19.58
	26915	836.5	QPSK	1	0	21.91	19.06	21.21	38.45	-19.39
				1	74	21.88	19.03	21.18	38.45	-19.42
				36	18	21.87	19.02	21.17	38.45	-19.43
				75	0	21.73	18.88	21.03	38.45	-19.57
	26965	841.5	QPSK	1	0	21.87	19.02	21.17	38.45	-19.43
				1	74	21.73	18.88	21.03	38.45	-19.57
				36	18	21.83	18.98	21.13	38.45	-19.47
				75	0	21.71	18.86	21.01	38.45	-19.59
15	26865	831.5	16QAM	1	0	21.87	19.02	21.17	38.45	-19.43
				1	74	21.84	18.99	21.14	38.45	-19.46
				36	18	21.72	18.87	21.02	38.45	-19.58
				75	0	21.87	19.02	21.17	38.45	-19.43
	26915	836.5	16QAM	1	0	21.79	18.94	21.09	38.45	-19.51
				1	74	21.88	19.03	21.18	38.45	-19.42
				36	18	21.74	18.89	21.04	38.45	-19.56
				75	0	21.76	18.91	21.06	38.45	-19.54
	26965	841.5	16QAM	1	0	21.78	18.93	21.08	38.45	-19.52
				1	74	21.76	18.91	21.06	38.45	-19.54
				36	18	21.87	19.02	21.17	38.45	-19.43
				75	0	21.76	18.91	21.06	38.45	-19.54
15	26865	831.5	64QAM	1	0	21.74	18.89	21.04	38.45	-19.56
				1	74	21.75	18.90	21.05	38.45	-19.55
				36	18	21.87	19.02	21.17	38.45	-19.43
				75	0	21.74	18.89	21.04	38.45	-19.56
	26915	836.5	64QAM	1	0	21.76	18.91	21.06	38.45	-19.54
				1	74	21.75	18.90	21.05	38.45	-19.55
				36	18	21.88	19.03	21.18	38.45	-19.42
				75	0	21.88	19.03	21.18	38.45	-19.42
	26965	841.5	64QAM	1	0	21.87	19.02	21.17	38.45	-19.43
				1	74	21.76	18.91	21.06	38.45	-19.54
				36	18	21.81	18.96	21.11	38.45	-19.49
				75	0	21.84	18.99	21.14	38.45	-19.46
15	26865	831.5	256QAM	1	0	21.82	18.97	21.12	38.45	-19.48
				1	74	21.89	19.04	21.19	38.45	-19.41
				36	18	21.78	18.93	21.08	38.45	-19.52
				75	0	21.82	18.97	21.12	38.45	-19.48
	26915	836.5	256QAM	1	0	21.80	18.95	21.10	38.45	-19.50
				1	74	21.80	18.95	21.10	38.45	-19.50
				36	18	21.73	18.88	21.03	38.45	-19.57
				75	0	21.73	18.88	21.03	38.45	-19.57
	26965	841.5	256QAM	1	0	21.80	18.95	21.10	38.45	-19.50
				1	74	21.87	19.02	21.17	38.45	-19.43
				36	18	21.83	18.98	21.13	38.45	-19.47
				75	0	21.86	19.01	21.16	38.45	-19.44

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Antenna gain (dBi)		-0.7								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	26697	814.7	QPSK	1	0	21.82	18.97	21.12	50	-31.03
				1	5	21.71	18.86	21.01	50	-31.14
				3	2	21.64	18.79	20.94	50	-31.21
				6	0	21.73	18.88	21.03	50	-31.12
	26740	819	QPSK	1	0	21.81	18.96	21.11	50	-31.04
				1	5	21.72	18.87	21.02	50	-31.13
				3	2	21.65	18.80	20.95	50	-31.20
				6	0	21.71	18.86	21.01	50	-31.14
	26783	823.3	QPSK	1	0	21.79	18.94	21.09	50	-31.06
				1	5	21.75	18.90	21.05	50	-31.10
				3	2	21.61	18.76	20.91	50	-31.24
				6	0	21.70	18.85	21.00	50	-31.15
1.4	26697	814.7	16QAM	1	0	21.75	18.90	21.05	50	-31.10
				1	5	21.74	18.89	21.04	50	-31.11
				3	2	21.71	18.86	21.01	50	-31.14
				6	0	21.81	18.96	21.11	50	-31.04
	26740	819	16QAM	1	0	21.71	18.86	21.01	50	-31.14
				1	5	21.69	18.84	20.99	50	-31.16
				3	2	21.68	18.83	20.98	50	-31.17
				6	0	21.79	18.94	21.09	50	-31.06
	26783	823.3	16QAM	1	0	21.69	18.84	20.99	50	-31.16
				1	5	21.70	18.85	21.00	50	-31.15
				3	2	21.69	18.84	20.99	50	-31.16
				6	0	21.78	18.93	21.08	50	-31.07
1.4	26697	814.7	64QAM	1	0	21.75	18.90	21.05	50	-31.10
				1	5	21.79	18.94	21.09	50	-31.06
				3	2	21.65	18.80	20.95	50	-31.20
				6	0	21.76	18.91	21.06	50	-31.09
	26740	819	64QAM	1	0	21.77	18.92	21.07	50	-31.08
				1	5	21.81	18.96	21.11	50	-31.04
				3	2	21.66	18.81	20.96	50	-31.19
				6	0	21.77	18.92	21.07	50	-31.08
	26783	823.3	64QAM	1	0	21.76	18.91	21.06	50	-31.09
				1	5	21.80	18.95	21.10	50	-31.05
				3	2	21.67	18.82	20.97	50	-31.18
				6	0	21.77	18.92	21.07	50	-31.08
1.4	26697	814.7	256QAM	1	0	21.72	18.87	21.02	50	-31.13
				1	5	21.68	18.83	20.98	50	-31.17
				3	2	21.79	18.94	21.09	50	-31.06
				6	0	21.73	18.88	21.03	50	-31.12
	26740	819	256QAM	1	0	21.71	18.86	21.01	50	-31.14
				1	5	21.69	18.84	20.99	50	-31.16
				3	2	21.76	18.91	21.06	50	-31.09
				6	0	21.75	18.90	21.05	50	-31.10
	26783	823.3	256QAM	1	0	21.73	18.88	21.03	50	-31.12
				1	5	21.71	18.86	21.01	50	-31.14
				3	2	21.77	18.92	21.07	50	-31.08
				6	0	21.74	18.89	21.04	50	-31.11

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Antenna gain (dBi)		-0.7								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3	26705	815.5	QPSK	1	0	21.78	18.93	21.08	50	-31.07
				1	14	21.71	18.86	21.01	50	-31.14
				8	4	21.77	18.92	21.07	50	-31.08
				15	0	21.81	18.96	21.11	50	-31.04
	26740	819	QPSK	1	0	21.81	18.96	21.11	50	-31.04
				1	14	21.73	18.88	21.03	50	-31.12
				8	4	21.79	18.94	21.09	50	-31.06
				15	0	21.82	18.97	21.12	50	-31.03
	26775	822.5	QPSK	1	0	21.82	18.97	21.12	50	-31.03
				1	14	21.72	18.87	21.02	50	-31.13
				8	4	21.79	18.94	21.09	50	-31.06
				15	0	21.83	18.98	21.13	50	-31.02
3	26705	815.5	16QAM	1	0	21.68	18.83	20.98	50	-31.17
				1	14	21.78	18.93	21.08	50	-31.07
				8	4	21.67	18.82	20.97	50	-31.18
				15	0	21.80	18.95	21.10	50	-31.05
	26740	819	16QAM	1	0	21.66	18.81	20.96	50	-31.19
				1	14	21.74	18.89	21.04	50	-31.11
				8	4	21.66	18.81	20.96	50	-31.19
				15	0	21.77	18.92	21.07	50	-31.08
	26775	822.5	16QAM	1	0	21.64	18.79	20.94	50	-31.21
				1	14	21.76	18.91	21.06	50	-31.09
				8	4	21.68	18.83	20.98	50	-31.17
				15	0	21.76	18.91	21.06	50	-31.09
3	26705	815.5	64QAM	1	0	21.64	18.79	20.94	50	-31.21
				1	14	21.82	18.97	21.12	50	-31.03
				8	4	21.64	18.79	20.94	50	-31.21
				15	0	21.71	18.86	21.01	50	-31.14
	26740	819	64QAM	1	0	21.62	18.77	20.92	50	-31.23
				1	14	21.81	18.96	21.11	50	-31.04
				8	4	21.66	18.81	20.96	50	-31.19
				15	0	21.74	18.89	21.04	50	-31.11
	26775	822.5	64QAM	1	0	21.61	18.76	20.91	50	-31.24
				1	14	21.79	18.94	21.09	50	-31.06
				8	4	21.64	18.79	20.94	50	-31.21
				15	0	21.73	18.88	21.03	50	-31.12
3	26705	815.5	256QAM	1	0	21.74	18.89	21.04	50	-31.11
				1	14	21.74	18.89	21.04	50	-31.11
				8	4	21.67	18.82	20.97	50	-31.18
				15	0	21.77	18.92	21.07	50	-31.08
	26740	819	256QAM	1	0	21.73	18.88	21.03	50	-31.12
				1	14	21.72	18.87	21.02	50	-31.13
				8	4	21.62	18.77	20.92	50	-31.23
				15	0	21.77	18.92	21.07	50	-31.08
	26775	822.5	256QAM	1	0	21.74	18.89	21.04	50	-31.11
				1	14	21.73	18.88	21.03	50	-31.12
				8	4	21.63	18.78	20.93	50	-31.22
				15	0	21.76	18.91	21.06	50	-31.09

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Antenna gain (dBi)		-0.7								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	26715	816.5	QPSK	1	0	21.71	18.86	21.01	50	-31.14
				1	24	21.80	18.95	21.10	50	-31.05
				12	6	21.79	18.94	21.09	50	-31.06
				25	0	21.66	18.81	20.96	50	-31.19
	26740	819	QPSK	1	0	21.67	18.82	20.97	50	-31.18
				1	24	21.81	18.96	21.11	50	-31.04
				12	6	21.80	18.95	21.10	50	-31.05
				25	0	21.65	18.80	20.95	50	-31.20
	26765	821.5	QPSK	1	0	21.72	18.87	21.02	50	-31.13
				1	24	21.81	18.96	21.11	50	-31.04
				12	6	21.78	18.93	21.08	50	-31.07
				25	0	21.65	18.80	20.95	50	-31.20
5	26715	816.5	16QAM	1	0	21.81	18.96	21.11	50	-31.04
				1	24	21.73	18.88	21.03	50	-31.12
				12	6	21.71	18.86	21.01	50	-31.14
				25	0	21.82	18.97	21.12	50	-31.03
	26740	819	16QAM	1	0	21.79	18.94	21.09	50	-31.06
				1	24	21.74	18.89	21.04	50	-31.11
				12	6	21.76	18.91	21.06	50	-31.09
				25	0	21.81	18.96	21.11	50	-31.04
	26765	821.5	16QAM	1	0	21.80	18.95	21.10	50	-31.05
				1	24	21.74	18.89	21.04	50	-31.11
				12	6	21.77	18.92	21.07	50	-31.08
				25	0	21.83	18.98	21.13	50	-31.02
5	26715	816.5	64QAM	1	0	21.78	18.93	21.08	50	-31.07
				1	24	21.74	18.89	21.04	50	-31.11
				12	6	21.64	18.79	20.94	50	-31.21
				25	0	21.71	18.86	21.01	50	-31.14
	26740	819	64QAM	1	0	21.77	18.92	21.07	50	-31.08
				1	24	21.79	18.94	21.09	50	-31.06
				12	6	21.65	18.80	20.95	50	-31.20
				25	0	21.73	18.88	21.03	50	-31.12
	26765	821.5	64QAM	1	0	21.74	18.89	21.04	50	-31.11
				1	24	21.74	18.89	21.04	50	-31.11
				12	6	21.66	18.81	20.96	50	-31.19
				25	0	21.71	18.86	21.01	50	-31.14
5	26715	816.5	256QAM	1	0	21.68	18.83	20.98	50	-31.17
				1	24	21.76	18.91	21.06	50	-31.09
				12	6	21.78	18.93	21.08	50	-31.07
				25	0	21.81	18.96	21.11	50	-31.04
	26740	819	256QAM	1	0	21.65	18.80	20.95	50	-31.20
				1	24	21.74	18.89	21.04	50	-31.11
				12	6	21.75	18.90	21.05	50	-31.10
				25	0	21.77	18.92	21.07	50	-31.08
	26765	821.5	256QAM	1	0	21.63	18.78	20.93	50	-31.22
				1	24	21.72	18.87	21.02	50	-31.13
				12	6	21.74	18.89	21.04	50	-31.11
				25	0	21.76	18.91	21.06	50	-31.09

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Antenna gain (dBi)		-0.7								
Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	EIRP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	26740	819	QPSK	1	0	21.70	18.85	21.00	50	-31.15
				1	49	21.80	18.95	21.10	50	-31.05
				25	12	21.77	18.92	21.07	50	-31.08
				50	0	21.67	18.82	20.97	50	-31.18
10	26740	819	16QAM	1	0	21.82	18.97	21.12	50	-31.03
				1	49	21.66	18.81	20.96	50	-31.19
				25	12	21.83	18.98	21.13	50	-31.02
				50	0	21.69	18.84	20.99	50	-31.16
10	26740	819	64QAM	1	0	21.72	18.87	21.02	50	-31.13
				1	49	21.70	18.85	21.00	50	-31.15
				25	12	21.74	18.89	21.04	50	-31.11
				50	0	21.74	18.89	21.04	50	-31.11
10	26740	819	256QAM	1	0	21.81	18.96	21.11	50	-31.04
				1	49	21.76	18.91	21.06	50	-31.09
				25	12	21.68	18.83	20.98	50	-31.17
				50	0	21.67	18.82	20.97	50	-31.18

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Antenna gain (dBi)		-1.37							
LTE Band 30_Uplink frequency band : 2305 to 2315 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/5MHz)	EIRP Average (dBm/5MHz)	EIRP Limit (dBm/5MHz)	Margin (dB)
5	27685	2307.5	QPSK	1	0	19.99	18.62	24	-5.38
				1	24	19.77	18.40	24	-5.6
				12	6	19.88	18.51	24	-5.49
				25	0	19.79	18.42	24	-5.58
	27710	2310	QPSK	1	0	20.03	18.66	24	-5.34
				1	24	19.81	18.44	24	-5.56
				12	6	19.86	18.49	24	-5.51
				25	0	19.82	18.45	24	-5.55
	27735	2312.5	QPSK	1	0	20.02	18.65	24	-5.35
				1	24	19.82	18.45	24	-5.55
				12	6	19.84	18.47	24	-5.53
				25	0	19.86	18.49	24	-5.51
5	27685	2307.5	16QAM	1	0	19.94	18.57	24	-5.43
				1	24	19.88	18.51	24	-5.49
				12	6	19.95	18.58	24	-5.42
				25	0	19.92	18.55	24	-5.45
	27710	2310	16QAM	1	0	19.92	18.55	24	-5.45
				1	24	19.83	18.46	24	-5.54
				12	6	19.92	18.55	24	-5.45
				25	0	19.96	18.59	24	-5.41
	27735	2312.5	16QAM	1	0	19.92	18.55	24	-5.45
				1	24	19.85	18.48	24	-5.52
				12	6	19.96	18.59	24	-5.41
				25	0	19.91	18.54	24	-5.46
5	27685	2307.5	64QAM	1	0	19.81	18.44	24	-5.56
				1	24	19.96	18.59	24	-5.41
				12	6	19.94	18.57	24	-5.43
				25	0	19.79	18.42	24	-5.58
	27710	2310	64QAM	1	0	19.78	18.41	24	-5.59
				1	24	19.97	18.60	24	-5.4
				12	6	19.97	18.60	24	-5.4
				25	0	19.82	18.45	24	-5.55
	27735	2312.5	64QAM	1	0	19.81	18.44	24	-5.56
				1	24	19.92	18.55	24	-5.45
				12	6	19.95	18.58	24	-5.42
				25	0	19.88	18.51	24	-5.49
5	27685	2307.5	256QAM	1	0	19.94	18.57	24	-5.43
				1	24	19.89	18.52	24	-5.48
				12	6	19.97	18.60	24	-5.4
				25	0	19.97	18.60	24	-5.4
	27710	2310	256QAM	1	0	19.93	18.56	24	-5.44
				1	24	19.93	18.56	24	-5.44
				12	6	19.96	18.59	24	-5.41
				25	0	19.93	18.56	24	-5.44
	27735	2312.5	256QAM	1	0	19.95	18.58	24	-5.42
				1	24	19.92	18.55	24	-5.45
				12	6	19.96	18.59	24	-5.41
				25	0	19.92	18.55	24	-5.45

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Antenna gain (dBi)		-1.37							
LTE Band 30_Uplink frequency band : 2305 to 2315 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/5MHz)	EIRP Average (dBm/5MHz)	EIRP Limit (dBm/5MHz)	Margin (dB)
10	27710	2310	QPSK	1	0	20.07	18.70	24.00	-5.30
				1	49	19.84	18.47	24.00	-5.53
				25	12	19.88	18.51	24.00	-5.49
				50	0	19.88	18.51	24.00	-5.49
10	27710	2310	16QAM	1	0	20.02	18.65	24.00	-5.35
				1	49	19.88	18.51	24.00	-5.49
				25	12	19.98	18.61	24.00	-5.39
				50	0	20.01	18.64	24.00	-5.36
10	27710	2310	64QAM	1	0	19.88	18.51	24.00	-5.49
				1	49	20.00	18.63	24.00	-5.37
				25	12	19.98	18.61	24.00	-5.39
				50	0	19.89	18.52	24.00	-5.48
10	27710	2310	256QAM	1	0	20.03	18.66	24.00	-5.34
				1	49	19.96	18.59	24.00	-5.41
				25	12	19.97	18.60	24.00	-5.40
				50	0	19.97	18.60	24.00	-5.40

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Antenna gain (dBi)		-2.33							
LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	37775	2572.5	QPSK	1	0	19.09	16.76	33	-16.24
				1	24	19.06	16.73	33	-16.27
				12	6	19.02	16.69	33	-16.31
				25	0	19.11	16.78	33	-16.22
	38000	2595	QPSK	1	0	19.02	16.69	33	-16.31
				1	24	19.16	16.83	33	-16.17
				12	6	18.99	16.66	33	-16.34
				25	0	19.04	16.71	33	-16.29
	38225	2617.5	QPSK	1	0	19.03	16.70	33	-16.3
				1	24	19.12	16.79	33	-16.21
				12	6	19.04	16.71	33	-16.29
				25	0	19.13	16.80	33	-16.2
5	37775	2572.5	16QAM	1	0	19.17	16.84	33	-16.16
				1	24	19.10	16.77	33	-16.23
				12	6	19.05	16.72	33	-16.28
				25	0	19.13	16.80	33	-16.2
	38000	2595	16QAM	1	0	19.13	16.80	33	-16.2
				1	24	19.04	16.71	33	-16.29
				12	6	18.97	16.64	33	-16.36
				25	0	19.16	16.83	33	-16.17
	38225	2617.5	16QAM	1	0	19.05	16.72	33	-16.28
				1	24	19.09	16.76	33	-16.24
				12	6	19.00	16.67	33	-16.33
				25	0	19.04	16.71	33	-16.29
5	37775	2572.5	64QAM	1	0	19.08	16.75	33	-16.25
				1	24	19.11	16.78	33	-16.22
				12	6	19.11	16.78	33	-16.22
				25	0	19.05	16.72	33	-16.28
	38000	2595	64QAM	1	0	19.13	16.80	33	-16.2
				1	24	19.14	16.81	33	-16.19
				12	6	19.08	16.75	33	-16.25
				25	0	19.13	16.80	33	-16.2
	38225	2617.5	64QAM	1	0	19.00	16.67	33	-16.33
				1	24	19.05	16.72	33	-16.28
				12	6	19.16	16.83	33	-16.17
				25	0	19.02	16.69	33	-16.31
5	37775	2572.5	256QAM	1	0	19.16	16.83	33	-16.17
				1	24	19.08	16.75	33	-16.25
				12	6	19.04	16.71	33	-16.29
				25	0	19.13	16.80	33	-16.2
	38000	2595	256QAM	1	0	19.08	16.75	33	-16.25
				1	24	18.99	16.66	33	-16.34
				12	6	19.09	16.76	33	-16.24
				25	0	19.06	16.73	33	-16.27
	38225	2617.5	256QAM	1	0	19.13	16.80	33	-16.2
				1	24	19.03	16.70	33	-16.3
				12	6	19.10	16.77	33	-16.23
				25	0	19.02	16.69	33	-16.31

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Antenna gain (dBi)		-2.33							
LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	37800	2575	QPSK	1	0	19.07	16.74	33	-16.26
				1	49	19.04	16.71	33	-16.29
				25	12	19.00	16.67	33	-16.33
				50	0	18.98	16.65	33	-16.35
	38000	2595	QPSK	1	0	19.10	16.77	33	-16.23
				1	49	18.99	16.66	33	-16.34
				25	12	19.12	16.79	33	-16.21
				50	0	19.07	16.74	33	-16.26
	38200	2615	QPSK	1	0	19.00	16.67	33	-16.33
				1	49	19.02	16.69	33	-16.31
				25	12	18.99	16.66	33	-16.34
				50	0	19.00	16.67	33	-16.33
10	37800	2575	16QAM	1	0	19.01	16.68	33	-16.32
				1	49	19.09	16.76	33	-16.24
				25	12	19.04	16.71	33	-16.29
				50	0	19.08	16.75	33	-16.25
	38000	2595	16QAM	1	0	19.02	16.69	33	-16.31
				1	49	19.10	16.77	33	-16.23
				25	12	19.17	16.84	33	-16.16
				50	0	19.08	16.75	33	-16.25
	38200	2615	16QAM	1	0	19.10	16.77	33	-16.23
				1	49	19.03	16.70	33	-16.3
				25	12	18.98	16.65	33	-16.35
				50	0	18.99	16.66	33	-16.34
10	37800	2575	64QAM	1	0	19.11	16.78	33	-16.22
				1	49	19.10	16.77	33	-16.23
				25	12	19.07	16.74	33	-16.26
				50	0	19.12	16.79	33	-16.21
	38000	2595	64QAM	1	0	19.10	16.77	33	-16.23
				1	49	19.01	16.68	33	-16.32
				25	12	18.98	16.65	33	-16.35
				50	0	19.15	16.82	33	-16.18
	38200	2615	64QAM	1	0	19.16	16.83	33	-16.17
				1	49	19.08	16.75	33	-16.25
				25	12	18.98	16.65	33	-16.35
				50	0	19.00	16.67	33	-16.33
10	37800	2575	256QAM	1	0	19.16	16.83	33	-16.17
				1	49	19.16	16.83	33	-16.17
				25	12	19.01	16.68	33	-16.32
				50	0	19.11	16.78	33	-16.22
	38000	2595	256QAM	1	0	19.16	16.83	33	-16.17
				1	49	19.03	16.70	33	-16.3
				25	12	18.99	16.66	33	-16.34
				50	0	19.13	16.80	33	-16.2
	38200	2615	256QAM	1	0	18.98	16.65	33	-16.35
				1	49	19.15	16.82	33	-16.18
				25	12	19.12	16.79	33	-16.21
				50	0	19.15	16.82	33	-16.18

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Antenna gain (dBi)		-2.33							
LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	37825	2577.5	QPSK	1	0	19.21	16.88	33	-16.12
				1	74	19.13	16.80	33	-16.2
				36	19	19.04	16.71	33	-16.29
				75	0	19.00	16.67	33	-16.33
	38000	2595	QPSK	1	0	19.10	16.77	33	-16.23
				1	74	19.01	16.68	33	-16.32
				36	19	19.12	16.79	33	-16.21
				75	0	19.02	16.69	33	-16.31
	38175	2612.5	QPSK	1	0	19.18	16.85	33	-16.15
				1	74	18.97	16.64	33	-16.36
				36	19	19.02	16.69	33	-16.31
				75	0	19.08	16.75	33	-16.25
15	37825	2577.5	16QAM	1	0	19.01	16.68	33	-16.32
				1	74	19.11	16.78	33	-16.22
				36	19	19.00	16.67	33	-16.33
				75	0	19.08	16.75	33	-16.25
	38000	2595	16QAM	1	0	19.10	16.77	33	-16.23
				1	74	19.05	16.72	33	-16.28
				36	19	19.06	16.73	33	-16.27
				75	0	18.94	16.61	33	-16.39
	38175	2612.5	16QAM	1	0	18.98	16.65	33	-16.35
				1	74	19.07	16.74	33	-16.26
				36	19	18.95	16.62	33	-16.38
				75	0	18.94	16.61	33	-16.39
15	37825	2577.5	64QAM	1	0	18.98	16.65	33	-16.35
				1	74	19.11	16.78	33	-16.22
				36	19	19.12	16.79	33	-16.21
				75	0	19.11	16.78	33	-16.22
	38000	2595	64QAM	1	0	18.96	16.63	33	-16.37
				1	74	19.01	16.68	33	-16.32
				36	19	18.99	16.66	33	-16.34
				75	0	18.98	16.65	33	-16.35
	38175	2612.5	64QAM	1	0	19.04	16.71	33	-16.29
				1	74	19.11	16.78	33	-16.22
				36	19	19.03	16.70	33	-16.3
				75	0	19.03	16.70	33	-16.3
15	37825	2577.5	256QAM	1	0	19.08	16.75	33	-16.25
				1	74	19.10	16.77	33	-16.23
				36	19	19.07	16.74	33	-16.26
				75	0	19.13	16.80	33	-16.2
	38000	2595	256QAM	1	0	19.04	16.71	33	-16.29
				1	74	19.08	16.75	33	-16.25
				36	19	19.04	16.71	33	-16.29
				75	0	19.05	16.72	33	-16.28
	38175	2612.5	256QAM	1	0	18.96	16.63	33	-16.37
				1	74	18.96	16.63	33	-16.37
				36	19	18.99	16.66	33	-16.34
				75	0	19.10	16.77	33	-16.23

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Antenna gain (dBi)		-2.33							
LTE Band 38_Uplink frequency band : 2570 to 2620 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	37850	2580	QPSK	1	0	19.39	17.06	33	-15.94
				1	99	19.29	16.96	33	-16.04
				50	25	19.17	16.84	33	-16.16
				100	0	19.07	16.74	33	-16.26
	38000	2595	QPSK	1	0	19.28	16.95	33	-16.05
				1	99	19.20	16.87	33	-16.13
				50	25	19.01	16.68	33	-16.32
				100	0	19.07	16.74	33	-16.26
	38150	2610	QPSK	1	0	19.26	16.93	33	-16.07
				1	99	19.19	16.86	33	-16.14
				50	25	19.02	16.69	33	-16.31
				100	0	19.02	16.69	33	-16.31
20	37850	2580	16QAM	1	0	19.21	16.88	33	-16.12
				1	99	19.07	16.74	33	-16.26
				50	25	19.17	16.84	33	-16.16
				100	0	19.23	16.90	33	-16.1
	38000	2595	16QAM	1	0	19.12	16.79	33	-16.21
				1	99	19.19	16.86	33	-16.14
				50	25	19.01	16.68	33	-16.32
				100	0	19.19	16.86	33	-16.14
	38150	2610	16QAM	1	0	19.01	16.68	33	-16.32
				1	99	19.10	16.77	33	-16.23
				50	25	19.18	16.85	33	-16.15
				100	0	19.08	16.75	33	-16.25
20	37850	2580	64QAM	1	0	19.09	16.76	33	-16.24
				1	99	19.19	16.86	33	-16.14
				50	25	19.17	16.84	33	-16.16
				100	0	19.06	16.73	33	-16.27
	38000	2595	64QAM	1	0	19.03	16.70	33	-16.3
				1	99	19.09	16.76	33	-16.24
				50	25	19.13	16.80	33	-16.2
				100	0	19.13	16.80	33	-16.2
	38150	2610	64QAM	1	0	19.07	16.74	33	-16.26
				1	99	19.03	16.70	33	-16.3
				50	25	19.05	16.72	33	-16.28
				100	0	19.07	16.74	33	-16.26
20	37850	2580	256QAM	1	0	19.18	16.85	33	-16.15
				1	99	19.16	16.83	33	-16.17
				50	25	19.17	16.84	33	-16.16
				100	0	19.13	16.80	33	-16.2
	38000	2595	256QAM	1	0	19.14	16.81	33	-16.19
				1	99	19.13	16.80	33	-16.2
				50	25	19.06	16.73	33	-16.27
				100	0	19.03	16.70	33	-16.3
	38150	2610	256QAM	1	0	19.01	16.68	33	-16.32
				1	99	19.09	16.76	33	-16.24
				50	25	19.16	16.83	33	-16.17
				100	0	19.20	16.87	33	-16.13

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Antenna gain (dBi)		-2.86							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	39675	2498.5	QPSK	1	0	21.31	18.45	33	-14.55
				1	24	21.22	18.36	33	-14.64
				12	6	21.30	18.44	33	-14.56
				25	0	21.29	18.43	33	-14.57
	40148	2545.8	QPSK	1	0	21.36	18.50	33	-14.5
				1	24	21.30	18.44	33	-14.56
				12	6	21.32	18.46	33	-14.54
				25	0	21.28	18.42	33	-14.58
	40620	2593	QPSK	1	0	21.31	18.45	33	-14.55
				1	24	21.25	18.39	33	-14.61
				12	6	21.17	18.31	33	-14.69
				25	0	21.24	18.38	33	-14.62
	41565	2687.5	QPSK	1	0	21.31	18.45	33	-14.55
				1	24	21.36	18.50	33	-14.5
				12	6	21.27	18.41	33	-14.59
				25	0	21.31	18.45	33	-14.55
5	39675	2498.5	16QAM	1	0	21.30	18.44	33	-14.56
				1	24	21.35	18.49	33	-14.51
				12	6	21.35	18.49	33	-14.51
				25	0	21.36	18.50	33	-14.5
	40148	2545.8	16QAM	1	0	21.31	18.45	33	-14.55
				1	24	21.20	18.34	33	-14.66
				12	6	21.32	18.46	33	-14.54
				25	0	21.21	18.35	33	-14.65
	40620	2593	16QAM	1	0	21.30	18.44	33	-14.56
				1	24	21.18	18.32	33	-14.68
				12	6	21.23	18.37	33	-14.63
				25	0	21.24	18.38	33	-14.62
	41565	2687.5	16QAM	1	0	21.34	18.48	33	-14.52
				1	24	21.25	18.39	33	-14.61
				12	6	21.25	18.39	33	-14.61
				25	0	21.18	18.32	33	-14.68
5	39675	2498.5	64QAM	1	0	21.32	18.46	33	-14.54
				1	24	21.24	18.38	33	-14.62
				12	6	21.20	18.34	33	-14.66
				25	0	21.22	18.36	33	-14.64
	40148	2545.8	64QAM	1	0	21.23	18.37	33	-14.63
				1	24	21.24	18.38	33	-14.62
				12	6	21.33	18.47	33	-14.53
				25	0	21.37	18.51	33	-14.49
	40620	2593	64QAM	1	0	21.21	18.35	33	-14.65
				1	24	21.17	18.31	33	-14.69
				12	6	21.31	18.45	33	-14.55
				25	0	21.34	18.48	33	-14.52
	41565	2687.5	64QAM	1	0	21.20	18.34	33	-14.66
				1	24	21.24	18.38	33	-14.62
				12	6	21.21	18.35	33	-14.65
				25	0	21.20	18.34	33	-14.66
5	39675	2498.5	256QAM	1	0	21.32	18.46	33	-14.54
				1	24	21.26	18.40	33	-14.6
				12	6	21.18	18.32	33	-14.68
				25	0	21.18	18.32	33	-14.68
	40148	2545.8	256QAM	1	0	21.21	18.35	33	-14.65
				1	24	21.22	18.36	33	-14.64
				12	6	21.21	18.35	33	-14.65
				25	0	21.31	18.45	33	-14.55
	40620	2593	256QAM	1	0	21.21	18.35	33	-14.65
				1	24	21.36	18.50	33	-14.5
				12	6	21.19	18.33	33	-14.67
				25	0	21.28	18.42	33	-14.58
	41565	2687.5	256QAM	1	0	21.26	18.40	33	-14.6
				1	24	21.30	18.44	33	-14.56
				12	6	21.31	18.45	33	-14.55
				25	0	21.31	18.45	33	-14.55

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Antenna gain (dBi)		-2.86							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	39700	2501	QPSK	1	0	21.35	18.49	33	-14.51
				1	49	21.24	18.38	33	-14.62
				25	12	21.32	18.46	33	-14.54
				50	0	21.32	18.46	33	-14.54
	40160	2547	QPSK	1	0	21.23	18.37	33	-14.63
				1	49	21.22	18.36	33	-14.64
				25	12	21.36	18.50	33	-14.5
				50	0	21.19	18.33	33	-14.67
	40620	2593	QPSK	1	0	21.18	18.32	33	-14.68
				1	49	21.18	18.32	33	-14.68
				25	12	21.18	18.32	33	-14.68
				50	0	21.27	18.41	33	-14.59
	41540	2685	QPSK	1	0	21.24	18.38	33	-14.62
				1	49	21.31	18.45	33	-14.55
				25	12	21.35	18.49	33	-14.51
				50	0	21.24	18.38	33	-14.62
10	39700	2501	16QAM	1	0	21.23	18.37	33	-14.63
				1	49	21.18	18.32	33	-14.68
				25	12	21.24	18.38	33	-14.62
				50	0	21.21	18.35	33	-14.65
	40160	2547	16QAM	1	0	21.22	18.36	33	-14.64
				1	49	21.29	18.43	33	-14.57
				25	12	21.28	18.42	33	-14.58
				50	0	21.24	18.38	33	-14.62
	40620	2593	16QAM	1	0	21.25	18.39	33	-14.61
				1	49	21.34	18.48	33	-14.52
				25	12	21.26	18.40	33	-14.6
				50	0	21.22	18.36	33	-14.64
	41540	2685	16QAM	1	0	21.35	18.49	33	-14.51
				1	49	21.19	18.33	33	-14.67
				25	12	21.17	18.31	33	-14.69
				50	0	21.33	18.47	33	-14.53
10	39700	2501	64QAM	1	0	21.25	18.39	33	-14.61
				1	49	21.28	18.42	33	-14.58
				25	12	21.18	18.32	33	-14.68
				50	0	21.20	18.34	33	-14.66
	40160	2547	64QAM	1	0	21.30	18.44	33	-14.56
				1	49	21.23	18.37	33	-14.63
				25	12	21.26	18.40	33	-14.6
				50	0	21.30	18.44	33	-14.56
	40620	2593	64QAM	1	0	21.30	18.44	33	-14.56
				1	49	21.30	18.44	33	-14.56
				25	12	21.26	18.40	33	-14.6
				50	0	21.26	18.40	33	-14.6
	41540	2685	64QAM	1	0	21.28	18.42	33	-14.58
				1	49	21.28	18.42	33	-14.58
				25	12	21.35	18.49	33	-14.51
				50	0	21.31	18.45	33	-14.55
10	39700	2501	256QAM	1	0	21.19	18.33	33	-14.67
				1	49	21.25	18.39	33	-14.61
				25	12	21.21	18.35	33	-14.65
				50	0	21.36	18.50	33	-14.5
	40160	2547	256QAM	1	0	21.29	18.43	33	-14.57
				1	49	21.17	18.31	33	-14.69
				25	12	21.22	18.36	33	-14.64
				50	0	21.35	18.49	33	-14.51
	40620	2593	256QAM	1	0	21.23	18.37	33	-14.63
				1	49	21.31	18.45	33	-14.55
				25	12	21.28	18.42	33	-14.58
				50	0	21.26	18.40	33	-14.6
	41540	2685	256QAM	1	0	21.25	18.39	33	-14.61
				1	49	21.30	18.44	33	-14.56
				25	12	21.30	18.44	33	-14.56
				50	0	21.23	18.37	33	-14.63

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Antenna gain (dBi)		-2.86							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
15	39725	2503.5	QPSK	1	0	21.32	18.46	33	-14.54
				1	74	21.25	18.39	33	-14.61
				36	18	21.21	18.35	33	-14.65
				75	0	21.33	18.47	33	-14.53
	40173	2548.3	QPSK	1	0	21.31	18.45	33	-14.55
				1	74	21.25	18.39	33	-14.61
				36	18	21.20	18.34	33	-14.66
				75	0	21.33	18.47	33	-14.53
	40620	2593	QPSK	1	0	21.23	18.37	33	-14.63
				1	74	21.21	18.35	33	-14.65
				36	18	21.19	18.33	33	-14.67
				75	0	21.26	18.40	33	-14.6
	41515	2682.5	QPSK	1	0	21.35	18.49	33	-14.51
				1	74	21.35	18.49	33	-14.51
				36	18	21.24	18.38	33	-14.62
				75	0	21.19	18.33	33	-14.67
15	39725	2503.5	16QAM	1	0	21.31	18.45	33	-14.55
				1	74	21.27	18.41	33	-14.59
				36	18	21.31	18.45	33	-14.55
				75	0	21.25	18.39	33	-14.61
	40173	2548.3	16QAM	1	0	21.31	18.45	33	-14.55
				1	74	21.19	18.33	33	-14.67
				36	18	21.25	18.39	33	-14.61
				75	0	21.25	18.39	33	-14.61
	40620	2593	16QAM	1	0	21.27	18.41	33	-14.59
				1	74	21.31	18.45	33	-14.55
				36	18	21.35	18.49	33	-14.51
				75	0	21.34	18.48	33	-14.52
	41515	2682.5	16QAM	1	0	21.29	18.43	33	-14.57
				1	74	21.28	18.42	33	-14.58
				36	18	21.18	18.32	33	-14.68
				75	0	21.32	18.46	33	-14.54
15	39725	2503.5	64QAM	1	0	21.37	18.51	33	-14.49
				1	74	21.19	18.33	33	-14.67
				36	18	21.30	18.44	33	-14.56
				75	0	21.19	18.33	33	-14.67
	40173	2548.3	64QAM	1	0	21.27	18.41	33	-14.59
				1	74	21.22	18.36	33	-14.64
				36	18	21.18	18.32	33	-14.68
				75	0	21.25	18.39	33	-14.61
	40620	2593	64QAM	1	0	21.18	18.32	33	-14.68
				1	74	21.30	18.44	33	-14.56
				36	18	21.28	18.42	33	-14.58
				75	0	21.32	18.46	33	-14.54
	41515	2682.5	64QAM	1	0	21.37	18.51	33	-14.49
				1	74	21.35	18.49	33	-14.51
				36	18	21.18	18.32	33	-14.68
				75	0	21.21	18.35	33	-14.65
15	39725	2503.5	256QAM	1	0	21.26	18.40	33	-14.6
				1	74	21.33	18.47	33	-14.53
				36	18	21.31	18.45	33	-14.55
				75	0	21.27	18.41	33	-14.59
	40173	2548.3	256QAM	1	0	21.31	18.45	33	-14.55
				1	74	21.32	18.46	33	-14.54
				36	18	21.36	18.50	33	-14.5
				75	0	21.28	18.42	33	-14.58
	40620	2593	256QAM	1	0	21.32	18.46	33	-14.54
				1	74	21.30	18.44	33	-14.56
				36	18	21.33	18.47	33	-14.53
				75	0	21.18	18.32	33	-14.68
	41515	2682.5	256QAM	1	0	21.20	18.34	33	-14.66
				1	74	21.29	18.43	33	-14.57
				36	18	21.23	18.37	33	-14.63
				75	0	21.20	18.34	33	-14.66

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Antenna gain (dBi)		-2.66							
LTE Band 41_Uplink frequency band : 2496 to 2690 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
20	39750	2506	QPSK	1	0	21.41	18.55	33	-14.45
				1	99	21.26	18.40	33	-14.6
				50	25	21.30	18.44	33	-14.56
				100	0	21.28	18.42	33	-14.58
	40185	2549.5	QPSK	1	0	21.37	18.51	33	-14.49
				1	99	21.29	18.43	33	-14.57
				50	25	21.28	18.42	33	-14.58
				100	0	21.19	18.33	33	-14.67
	40620	2593	QPSK	1	0	21.34	18.48	33	-14.52
				1	99	21.21	18.35	33	-14.65
				50	25	21.21	18.35	33	-14.65
				100	0	21.20	18.34	33	-14.66
	41490	2680	QPSK	1	0	21.35	18.49	33	-14.51
				1	99	21.32	18.46	33	-14.54
				50	25	21.27	18.41	33	-14.59
				100	0	21.32	18.46	33	-14.54
20	39750	2506	16QAM	1	0	21.35	18.49	33	-14.51
				1	99	21.32	18.46	33	-14.54
				50	25	21.34	18.48	33	-14.52
				100	0	21.24	18.38	33	-14.62
	40185	2549.5	16QAM	1	0	21.18	18.32	33	-14.68
				1	99	21.20	18.34	33	-14.66
				50	25	21.30	18.44	33	-14.56
				100	0	21.18	18.32	33	-14.68
	40620	2593	16QAM	1	0	21.33	18.47	33	-14.53
				1	99	21.20	18.34	33	-14.66
				50	25	21.31	18.45	33	-14.55
				100	0	21.25	18.39	33	-14.61
	41490	2680	16QAM	1	0	21.28	18.42	33	-14.58
				1	99	21.35	18.49	33	-14.51
				50	25	21.21	18.35	33	-14.65
				100	0	21.24	18.38	33	-14.62
20	39750	2506	64QAM	1	0	21.33	18.47	33	-14.53
				1	99	21.27	18.41	33	-14.59
				50	25	21.25	18.39	33	-14.61
				100	0	21.23	18.37	33	-14.63
	40185	2549.5	64QAM	1	0	21.29	18.43	33	-14.57
				1	99	21.20	18.34	33	-14.66
				50	25	21.29	18.43	33	-14.57
				100	0	21.21	18.35	33	-14.65
	40620	2593	64QAM	1	0	21.21	18.35	33	-14.65
				1	99	21.20	18.34	33	-14.66
				50	25	21.32	18.46	33	-14.54
				100	0	21.29	18.43	33	-14.57
	41490	2680	64QAM	1	0	21.26	18.40	33	-14.6
				1	99	21.18	18.32	33	-14.68
				50	25	21.36	18.50	33	-14.5
				100	0	21.32	18.46	33	-14.54
20	39750	2506	256QAM	1	0	21.25	18.39	33	-14.61
				1	99	21.28	18.42	33	-14.58
				50	25	21.23	18.37	33	-14.63
				100	0	21.35	18.49	33	-14.51
	40185	2549.5	256QAM	1	0	21.23	18.37	33	-14.63
				1	99	21.37	18.51	33	-14.49
				50	25	21.32	18.46	33	-14.54
				100	0	21.19	18.33	33	-14.67
	40620	2593	256QAM	1	0	21.26	18.40	33	-14.6
				1	99	21.28	18.42	33	-14.58
				50	25	21.30	18.44	33	-14.56
				100	0	21.36	18.50	33	-14.5
	41490	2680	256QAM	1	0	21.24	18.38	33	-14.62
				1	99	21.19	18.33	33	-14.67
				50	25	21.19	18.33	33	-14.67
				100	0	21.24	18.38	33	-14.62

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Antenna gain (dBi)		-0.63							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	131979	1710.7	QPSK	1	0	20.43	19.80	30	-10.2
				1	5	20.32	19.69	30	-10.31
				3	2	20.32	19.69	30	-10.31
				6	0	20.24	19.61	30	-10.39
	132322	1745	QPSK	1	0	20.54	19.91	30	-10.09
				1	5	20.41	19.78	30	-10.22
				3	2	20.33	19.70	30	-10.3
				6	0	20.42	19.79	30	-10.21
	132665	1779.3	QPSK	1	0	20.36	19.73	30	-10.27
				1	5	20.35	19.72	30	-10.28
				3	2	20.13	19.50	30	-10.5
				6	0	20.22	19.59	30	-10.41
1.4	131979	1710.7	16QAM	1	0	20.32	19.69	30	-10.31
				1	5	20.27	19.64	30	-10.36
				3	2	20.23	19.60	30	-10.4
				6	0	20.32	19.69	30	-10.31
	132322	1745	16QAM	1	0	20.47	19.84	30	-10.16
				1	5	20.43	19.80	30	-10.2
				3	2	20.36	19.73	30	-10.27
				6	0	20.48	19.85	30	-10.15
	132665	1779.3	16QAM	1	0	20.18	19.55	30	-10.45
				1	5	20.09	19.46	30	-10.54
				3	2	20.09	19.46	30	-10.54
				6	0	20.21	19.58	30	-10.42
1.4	131979	1710.7	64QAM	1	0	20.29	19.66	30	-10.34
				1	5	20.21	19.58	30	-10.42
				3	2	20.40	19.77	30	-10.23
				6	0	20.26	19.63	30	-10.37
	132322	1745	64QAM	1	0	20.37	19.74	30	-10.26
				1	5	20.46	19.83	30	-10.17
				3	2	20.42	19.79	30	-10.21
				6	0	20.35	19.72	30	-10.28
	132665	1779.3	64QAM	1	0	20.06	19.43	30	-10.57
				1	5	20.04	19.41	30	-10.59
				3	2	20.07	19.44	30	-10.56
				6	0	20.06	19.43	30	-10.57
1.4	131979	1710.7	256QAM	1	0	20.23	19.60	30	-10.4
				1	5	20.38	19.75	30	-10.25
				3	2	20.22	19.59	30	-10.41
				6	0	20.31	19.68	30	-10.32
	132322	1745	256QAM	1	0	20.50	19.87	30	-10.13
				1	5	20.36	19.73	30	-10.27
				3	2	20.40	19.77	30	-10.23
				6	0	20.38	19.75	30	-10.25
	132665	1779.3	256QAM	1	0	20.09	19.46	30	-10.54
				1	5	20.22	19.59	30	-10.41
				3	2	20.03	19.40	30	-10.6
				6	0	20.20	19.57	30	-10.43

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Antenna gain (dBi)		-0.63							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3	131987	1711.5	QPSK	1	0	20.49	19.86	30	-10.14
				1	14	20.34	19.71	30	-10.29
				8	4	20.40	19.77	30	-10.23
				15	0	20.34	19.71	30	-10.29
	132322	1745	QPSK	1	0	20.58	19.95	30	-10.05
				1	14	20.50	19.87	30	-10.13
				8	4	20.34	19.71	30	-10.29
				15	0	20.46	19.83	30	-10.17
	132657	1778.5	QPSK	1	0	20.40	19.77	30	-10.23
				1	14	20.41	19.78	30	-10.22
				8	4	20.17	19.54	30	-10.46
				15	0	20.20	19.57	30	-10.43
3	131987	1711.5	16QAM	1	0	20.36	19.73	30	-10.27
				1	14	20.34	19.71	30	-10.29
				8	4	20.31	19.68	30	-10.32
				15	0	20.36	19.73	30	-10.27
	132322	1745	16QAM	1	0	20.50	19.87	30	-10.13
				1	14	20.47	19.84	30	-10.16
				8	4	20.36	19.73	30	-10.27
				15	0	20.52	19.89	30	-10.11
	132657	1778.5	16QAM	1	0	20.22	19.59	30	-10.41
				1	14	20.14	19.51	30	-10.49
				8	4	20.10	19.47	30	-10.53
				15	0	20.27	19.64	30	-10.36
3	131987	1711.5	64QAM	1	0	20.31	19.68	30	-10.32
				1	14	20.29	19.66	30	-10.34
				8	4	20.39	19.76	30	-10.24
				15	0	20.33	19.70	30	-10.3
	132322	1745	64QAM	1	0	20.45	19.82	30	-10.18
				1	14	20.49	19.86	30	-10.14
				8	4	20.43	19.80	30	-10.2
				15	0	20.37	19.74	30	-10.26
	132657	1778.5	64QAM	1	0	20.11	19.48	30	-10.52
				1	14	20.09	19.46	30	-10.54
				8	4	20.13	19.50	30	-10.5
				15	0	20.12	19.49	30	-10.51
3	131987	1711.5	256QAM	1	0	20.27	19.64	30	-10.36
				1	14	20.39	19.76	30	-10.24
				8	4	20.29	19.66	30	-10.34
				15	0	20.34	19.71	30	-10.29
	132322	1745	256QAM	1	0	20.52	19.89	30	-10.11
				1	14	20.41	19.78	30	-10.22
				8	4	20.45	19.82	30	-10.18
				15	0	20.42	19.79	30	-10.21
	132657	1778.5	256QAM	1	0	20.10	19.47	30	-10.53
				1	14	20.21	19.58	30	-10.42
				8	4	20.09	19.46	30	-10.54
				15	0	20.25	19.62	30	-10.38

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Antenna gain (dBi)		-0.63							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5	131997	1712.5	QPSK	1	0	20.54	19.91	30	-10.09
				1	24	20.44	19.81	30	-10.19
				12	6	20.40	19.77	30	-10.23
				25	0	20.37	19.74	30	-10.26
	132322	1745	QPSK	1	0	20.61	19.98	30	-10.02
				1	24	20.51	19.88	30	-10.12
				12	6	20.44	19.81	30	-10.19
				25	0	20.52	19.89	30	-10.11
	132647	1777.5	QPSK	1	0	20.44	19.81	30	-10.19
				1	24	20.43	19.80	30	-10.2
				12	6	20.23	19.60	30	-10.4
				25	0	20.30	19.67	30	-10.33
5	131997	1712.5	16QAM	1	0	20.42	19.79	30	-10.21
				1	24	20.39	19.76	30	-10.24
				12	6	20.33	19.70	30	-10.3
				25	0	20.36	19.73	30	-10.27
	132322	1745	16QAM	1	0	20.59	19.96	30	-10.04
				1	24	20.50	19.87	30	-10.13
				12	6	20.41	19.78	30	-10.22
				25	0	20.54	19.91	30	-10.09
	132647	1777.5	16QAM	1	0	20.25	19.62	30	-10.38
				1	24	20.19	19.56	30	-10.44
				12	6	20.14	19.51	30	-10.49
				25	0	20.28	19.65	30	-10.35
5	131997	1712.5	64QAM	1	0	20.39	19.76	30	-10.24
				1	24	20.34	19.71	30	-10.29
				12	6	20.46	19.83	30	-10.17
				25	0	20.36	19.73	30	-10.27
	132322	1745	64QAM	1	0	20.51	19.88	30	-10.12
				1	24	20.53	19.90	30	-10.1
				12	6	20.51	19.88	30	-10.12
				25	0	20.44	19.81	30	-10.19
	132647	1777.5	64QAM	1	0	20.19	19.56	30	-10.44
				1	24	20.16	19.53	30	-10.47
				12	6	20.21	19.58	30	-10.42
				25	0	20.17	19.54	30	-10.46
5	131997	1712.5	256QAM	1	0	20.32	19.69	30	-10.31
				1	24	20.46	19.83	30	-10.17
				12	6	20.32	19.69	30	-10.31
				25	0	20.42	19.79	30	-10.21
	132322	1745	256QAM	1	0	20.58	19.95	30	-10.05
				1	24	20.43	19.80	30	-10.2
				12	6	20.49	19.86	30	-10.14
				25	0	20.48	19.85	30	-10.15
	132647	1777.5	256QAM	1	0	20.18	19.55	30	-10.45
				1	24	20.29	19.66	30	-10.34
				12	6	20.17	19.54	30	-10.46
				25	0	20.27	19.64	30	-10.36

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Antenna gain (dBi)		-0.63							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10	132022	1715	QPSK	1	0	20.56	19.93	30	-10.07
				1	49	20.44	19.81	30	-10.19
				25	12	20.47	19.84	30	-10.16
				50	0	20.40	19.77	30	-10.23
	132322	1745	QPSK	1	0	20.66	20.03	30	-9.97
				1	49	20.55	19.92	30	-10.08
				25	12	20.44	19.81	30	-10.19
				50	0	20.58	19.95	30	-10.05
	132622	1775	QPSK	1	0	20.52	19.89	30	-10.11
				1	49	20.48	19.85	30	-10.15
				25	12	20.26	19.63	30	-10.37
				50	0	20.33	19.70	30	-10.3
10	132022	1715	16QAM	1	0	20.43	19.80	30	-10.2
				1	49	20.44	19.81	30	-10.19
				25	12	20.41	19.78	30	-10.22
				50	0	20.44	19.81	30	-10.19
	132322	1745	16QAM	1	0	20.64	20.01	30	-9.99
				1	49	20.57	19.94	30	-10.06
				25	12	20.50	19.87	30	-10.13
				50	0	20.61	19.98	30	-10.02
	132622	1775	16QAM	1	0	20.32	19.69	30	-10.31
				1	49	20.21	19.58	30	-10.42
				25	12	20.20	19.57	30	-10.43
				50	0	20.37	19.74	30	-10.26
10	132022	1715	64QAM	1	0	20.39	19.76	30	-10.24
				1	49	20.38	19.75	30	-10.25
				25	12	20.49	19.86	30	-10.14
				50	0	20.39	19.76	30	-10.24
	132322	1745	64QAM	1	0	20.55	19.92	30	-10.08
				1	49	20.56	19.93	30	-10.07
				25	12	20.55	19.92	30	-10.08
				50	0	20.48	19.85	30	-10.15
	132622	1775	64QAM	1	0	20.22	19.59	30	-10.41
				1	49	20.22	19.59	30	-10.41
				25	12	20.23	19.60	30	-10.4
				50	0	20.21	19.58	30	-10.42
10	132022	1715	256QAM	1	0	20.38	19.75	30	-10.25
				1	49	20.50	19.87	30	-10.13
				25	12	20.38	19.75	30	-10.25
				50	0	20.48	19.85	30	-10.15
	132322	1745	256QAM	1	0	20.62	19.99	30	-10.01
				1	49	20.51	19.88	30	-10.12
				25	12	20.53	19.90	30	-10.1
				50	0	20.52	19.89	30	-10.11
	132622	1775	256QAM	1	0	20.20	19.57	30	-10.43
				1	49	20.31	19.68	30	-10.32
				25	12	20.17	19.54	30	-10.46
				50	0	20.35	19.72	30	-10.28

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Antenna gain (dBi)		-0.63							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15	132047	1717.5	QPSK	1	0	20.60	19.97	30	-10.03
				1	74	20.48	19.85	30	-10.15
				36	18	20.46	19.83	30	-10.17
				75	0	20.43	19.80	30	-10.2
	132322	1745	QPSK	1	0	20.68	20.05	30	-9.95
				1	74	20.58	19.95	30	-10.05
				36	18	20.44	19.81	30	-10.19
				75	0	20.59	19.96	30	-10.04
	132597	1772.5	QPSK	1	0	20.52	19.89	30	-10.11
				1	74	20.48	19.85	30	-10.15
				36	18	20.24	19.61	30	-10.39
				75	0	20.34	19.71	30	-10.29
15	132047	1717.5	16QAM	1	0	20.46	19.83	30	-10.17
				1	74	20.47	19.84	30	-10.16
				36	18	20.36	19.73	30	-10.27
				75	0	20.46	19.83	30	-10.17
	132322	1745	16QAM	1	0	20.62	19.99	30	-10.01
				1	74	20.59	19.96	30	-10.04
				36	18	20.49	19.86	30	-10.14
				75	0	20.58	19.95	30	-10.05
	132597	1772.5	16QAM	1	0	20.33	19.70	30	-10.3
				1	74	20.24	19.61	30	-10.39
				36	18	20.20	19.57	30	-10.43
				75	0	20.35	19.72	30	-10.28
15	132047	1717.5	64QAM	1	0	20.41	19.78	30	-10.22
				1	74	20.39	19.76	30	-10.24
				36	18	20.51	19.88	30	-10.12
				75	0	20.40	19.77	30	-10.23
	132322	1745	64QAM	1	0	20.50	19.87	30	-10.13
				1	74	20.60	19.97	30	-10.03
				36	18	20.56	19.93	30	-10.07
				75	0	20.51	19.88	30	-10.12
	132597	1772.5	64QAM	1	0	20.20	19.57	30	-10.43
				1	74	20.22	19.59	30	-10.41
				36	18	20.22	19.59	30	-10.41
				75	0	20.19	19.56	30	-10.44
15	132047	1717.5	256QAM	1	0	20.37	19.74	30	-10.26
				1	74	20.54	19.91	30	-10.09
				36	18	20.37	19.74	30	-10.26
				75	0	20.49	19.86	30	-10.14
	132322	1745	256QAM	1	0	20.61	19.98	30	-10.02
				1	74	20.50	19.87	30	-10.13
				36	18	20.53	19.90	30	-10.1
				75	0	20.56	19.93	30	-10.07
	132597	1772.5	256QAM	1	0	20.20	19.57	30	-10.43
				1	74	20.34	19.71	30	-10.29
				36	18	20.22	19.59	30	-10.41
				75	0	20.34	19.71	30	-10.29

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Antenna gain (dBi)		-0.63							
LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20	132072	1720	QPSK	1	0	20.68	20.05	30	-9.95
				1	99	20.47	19.84	30	-10.16
				50	25	20.45	19.82	30	-10.18
				100	0	20.43	19.80	30	-10.2
	132322	1745	QPSK	1	0	20.71	20.08	30	-9.92
				1	99	20.57	19.94	30	-10.06
				50	25	20.43	19.80	30	-10.2
				100	0	20.55	19.92	30	-10.08
	132572	1770	QPSK	1	0	20.66	20.03	30	-9.97
				1	99	20.50	19.87	30	-10.13
				50	25	20.25	19.62	30	-10.38
				100	0	20.34	19.71	30	-10.29
20	132072	1720	16QAM	1	0	20.43	19.80	30	-10.2
				1	99	20.44	19.81	30	-10.19
				50	25	20.40	19.77	30	-10.23
				100	0	20.41	19.78	30	-10.22
	132322	1745	16QAM	1	0	20.63	20.00	30	-10
				1	99	20.55	19.92	30	-10.08
				50	25	20.47	19.84	30	-10.16
				100	0	20.63	20.00	30	-10
	132572	1770	16QAM	1	0	20.29	19.66	30	-10.34
				1	99	20.23	19.60	30	-10.4
				50	25	20.23	19.60	30	-10.4
				100	0	20.38	19.75	30	-10.25
20	132072	1720	64QAM	1	0	20.41	19.78	30	-10.22
				1	99	20.35	19.72	30	-10.28
				50	25	20.53	19.90	30	-10.1
				100	0	20.40	19.77	30	-10.23
	132322	1745	64QAM	1	0	20.51	19.88	30	-10.12
				1	99	20.57	19.94	30	-10.06
				50	25	20.53	19.90	30	-10.1
				100	0	20.52	19.89	30	-10.11
	132572	1770	64QAM	1	0	20.22	19.59	30	-10.41
				1	99	20.18	19.55	30	-10.45
				50	25	20.24	19.61	30	-10.39
				100	0	20.23	19.60	30	-10.4
20	132072	1720	256QAM	1	0	20.38	19.75	30	-10.25
				1	99	20.52	19.89	30	-10.11
				50	25	20.39	19.76	30	-10.24
				100	0	20.44	19.81	30	-10.19
	132322	1745	256QAM	1	0	20.64	20.01	30	-9.99
				1	99	20.49	19.86	30	-10.14
				50	25	20.56	19.93	30	-10.07
				100	0	20.53	19.90	30	-10.1
	132572	1770	256QAM	1	0	20.24	19.61	30	-10.39
				1	99	20.30	19.67	30	-10.33
				50	25	20.16	19.53	30	-10.47
				100	0	20.33	19.70	30	-10.3

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Antenna gain (dBi)		-0.55		LTE Band 71_Uplink frequency band : 663 to 698 MHz					
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5	133147	665.5	QPSK	1	0	22.83	20.13	34.77	-14.64
				1	24	22.81	20.11	34.77	-14.66
				12	6	22.82	20.12	34.77	-14.65
				25	0	22.89	20.19	34.77	-14.58
	133297	680.5	QPSK	1	0	22.84	20.14	34.77	-14.63
				1	24	22.83	20.13	34.77	-14.64
				12	6	22.94	20.24	34.77	-14.53
				25	0	22.95	20.25	34.77	-14.52
	133447	695.5	QPSK	1	0	22.89	20.19	34.77	-14.58
				1	24	22.90	20.20	34.77	-14.57
				12	6	22.80	20.10	34.77	-14.67
				25	0	22.85	20.15	34.77	-14.62
5	133147	665.5	16QAM	1	0	22.91	20.21	34.77	-14.56
				1	24	22.87	20.17	34.77	-14.6
				12	6	22.89	20.19	34.77	-14.58
				25	0	22.86	20.16	34.77	-14.61
	133297	680.5	16QAM	1	0	22.95	20.25	34.77	-14.52
				1	24	22.92	20.22	34.77	-14.55
				12	6	22.84	20.14	34.77	-14.63
				25	0	22.79	20.09	34.77	-14.68
	133447	695.5	16QAM	1	0	22.92	20.22	34.77	-14.55
				1	24	22.92	20.22	34.77	-14.55
				12	6	22.86	20.16	34.77	-14.61
				25	0	22.83	20.13	34.77	-14.64
5	133147	665.5	64QAM	1	0	22.96	20.26	34.77	-14.51
				1	24	22.79	20.09	34.77	-14.68
				12	6	22.84	20.14	34.77	-14.63
				25	0	22.97	20.27	34.77	-14.5
	133297	680.5	64QAM	1	0	22.88	20.18	34.77	-14.59
				1	24	22.96	20.26	34.77	-14.51
				12	6	22.80	20.10	34.77	-14.67
				25	0	22.90	20.20	34.77	-14.57
	133447	695.5	64QAM	1	0	22.97	20.27	34.77	-14.5
				1	24	22.87	20.17	34.77	-14.6
				12	6	22.89	20.19	34.77	-14.58
				25	0	22.89	20.19	34.77	-14.58
5	133147	665.5	256QAM	1	0	22.93	20.23	34.77	-14.54
				1	24	22.95	20.25	34.77	-14.52
				12	6	22.95	20.25	34.77	-14.52
				25	0	22.82	20.12	34.77	-14.65
	133297	680.5	256QAM	1	0	22.92	20.22	34.77	-14.55
				1	24	22.89	20.19	34.77	-14.58
				12	6	22.96	20.26	34.77	-14.51
				25	0	22.96	20.26	34.77	-14.51
	133447	695.5	256QAM	1	0	22.83	20.13	34.77	-14.64
				1	24	22.81	20.11	34.77	-14.66
				12	6	22.84	20.14	34.77	-14.63
				25	0	22.84	20.14	34.77	-14.63

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Antenna gain (dBi)		-0.55							
LTE Band 71_Uplink frequency band : 663 to 698 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10	133172	668	QPSK	1	0	22.98	20.28	34.77	-14.49
				1	49	22.93	20.23	34.77	-14.54
				25	12	22.96	20.26	34.77	-14.51
				50	0	22.90	20.20	34.77	-14.57
	133297	680.5	QPSK	1	0	22.87	20.17	34.77	-14.6
				1	49	22.83	20.13	34.77	-14.64
				25	12	22.81	20.11	34.77	-14.66
				50	0	22.93	20.23	34.77	-14.54
	133422	693	QPSK	1	0	22.88	20.18	34.77	-14.59
				1	49	22.90	20.20	34.77	-14.57
				25	12	22.88	20.18	34.77	-14.59
				50	0	22.97	20.27	34.77	-14.5
10	133172	668	16QAM	1	0	22.84	20.14	34.77	-14.63
				1	49	22.84	20.14	34.77	-14.63
				25	12	22.94	20.24	34.77	-14.53
				50	0	22.81	20.11	34.77	-14.66
	133297	680.5	16QAM	1	0	22.81	20.11	34.77	-14.66
				1	49	22.79	20.09	34.77	-14.68
				25	12	22.88	20.18	34.77	-14.59
				50	0	22.97	20.27	34.77	-14.5
	133422	693	16QAM	1	0	22.83	20.13	34.77	-14.64
				1	49	22.89	20.19	34.77	-14.58
				25	12	22.88	20.18	34.77	-14.59
				50	0	22.90	20.20	34.77	-14.57
10	133172	668	64QAM	1	0	22.90	20.20	34.77	-14.57
				1	49	22.83	20.13	34.77	-14.64
				25	12	22.92	20.22	34.77	-14.55
				50	0	22.80	20.10	34.77	-14.67
	133297	680.5	64QAM	1	0	22.87	20.17	34.77	-14.6
				1	49	22.85	20.15	34.77	-14.62
				25	12	22.97	20.27	34.77	-14.5
				50	0	22.97	20.27	34.77	-14.5
	133422	693	64QAM	1	0	22.81	20.11	34.77	-14.66
				1	49	22.98	20.28	34.77	-14.49
				25	12	22.94	20.24	34.77	-14.53
				50	0	22.89	20.19	34.77	-14.58
10	133172	668	256QAM	1	0	22.95	20.25	34.77	-14.52
				1	49	22.94	20.24	34.77	-14.53
				25	12	22.90	20.20	34.77	-14.57
				50	0	22.87	20.17	34.77	-14.6
	133297	680.5	256QAM	1	0	22.96	20.26	34.77	-14.51
				1	49	22.81	20.11	34.77	-14.66
				25	12	22.87	20.17	34.77	-14.6
				50	0	22.91	20.21	34.77	-14.56
	133422	693	256QAM	1	0	22.89	20.19	34.77	-14.58
				1	49	22.97	20.27	34.77	-14.5
				25	12	22.81	20.11	34.77	-14.66
				50	0	22.79	20.09	34.77	-14.68

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Antenna gain (dBi)		-0.55		LTE Band 71_Uplink frequency band : 663 to 698 MHz					
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
15	133197	670.5	QPSK	1	0	22.81	20.11	34.77	-14.66
				1	74	22.87	20.17	34.77	-14.6
				36	18	22.84	20.14	34.77	-14.63
				75	0	22.96	20.26	34.77	-14.51
	133297	680.5	QPSK	1	0	22.94	20.24	34.77	-14.53
				1	74	22.95	20.25	34.77	-14.52
				36	18	22.89	20.19	34.77	-14.58
				75	0	22.96	20.26	34.77	-14.51
	133397	690.5	QPSK	1	0	22.92	20.22	34.77	-14.55
				1	74	22.95	20.25	34.77	-14.52
				36	18	22.85	20.15	34.77	-14.62
				75	0	22.85	20.15	34.77	-14.62
15	133197	670.5	16QAM	1	0	22.87	20.17	34.77	-14.6
				1	74	22.86	20.16	34.77	-14.61
				36	18	22.96	20.26	34.77	-14.51
				75	0	22.81	20.11	34.77	-14.66
	133297	680.5	16QAM	1	0	22.84	20.14	34.77	-14.63
				1	74	22.97	20.27	34.77	-14.5
				36	18	22.93	20.23	34.77	-14.54
				75	0	22.88	20.18	34.77	-14.59
	133397	690.5	16QAM	1	0	22.81	20.11	34.77	-14.66
				1	74	22.95	20.25	34.77	-14.52
				36	18	22.97	20.27	34.77	-14.5
				75	0	22.96	20.26	34.77	-14.51
15	133197	670.5	64QAM	1	0	22.83	20.13	34.77	-14.64
				1	74	22.87	20.17	34.77	-14.6
				36	18	22.94	20.24	34.77	-14.53
				75	0	22.88	20.18	34.77	-14.59
	133297	680.5	64QAM	1	0	22.80	20.10	34.77	-14.67
				1	74	22.86	20.16	34.77	-14.61
				36	18	22.83	20.13	34.77	-14.64
				75	0	22.79	20.09	34.77	-14.68
	133397	690.5	64QAM	1	0	22.94	20.24	34.77	-14.53
				1	74	22.89	20.19	34.77	-14.58
				36	18	22.98	20.28	34.77	-14.49
				75	0	22.84	20.14	34.77	-14.63
15	133197	670.5	256QAM	1	0	22.85	20.15	34.77	-14.62
				1	74	22.82	20.12	34.77	-14.65
				36	18	22.78	20.08	34.77	-14.69
				75	0	22.88	20.18	34.77	-14.59
	133297	680.5	256QAM	1	0	22.95	20.25	34.77	-14.52
				1	74	22.79	20.09	34.77	-14.68
				36	18	22.86	20.16	34.77	-14.61
				75	0	22.97	20.27	34.77	-14.5
	133397	690.5	256QAM	1	0	22.93	20.23	34.77	-14.54
				1	74	22.82	20.12	34.77	-14.65
				36	18	22.84	20.14	34.77	-14.63
				75	0	22.98	20.28	34.77	-14.49

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Antenna gain (dBi)		-0.55							
LTE Band 71_Uplink frequency band : 663 to 698 MHz									
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
20	133222	673	QPSK	1	0	22.96	20.26	34.77	-14.51
				1	99	22.83	20.13	34.77	-14.64
				50	25	22.85	20.15	34.77	-14.62
				100	0	22.86	20.16	34.77	-14.61
	133297	680.5	QPSK	1	0	22.99	20.29	34.77	-14.48
				1	99	22.92	20.22	34.77	-14.55
				50	25	22.87	20.17	34.77	-14.6
				100	0	22.90	20.20	34.77	-14.57
	133372	688	QPSK	1	0	22.95	20.25	34.77	-14.52
				1	99	22.90	20.20	34.77	-14.57
				50	25	22.84	20.14	34.77	-14.63
				100	0	22.83	20.13	34.77	-14.64
20	133222	673	16QAM	1	0	22.80	20.10	34.77	-14.67
				1	99	22.86	20.16	34.77	-14.61
				50	25	22.94	20.24	34.77	-14.53
				100	0	22.91	20.21	34.77	-14.56
	133297	680.5	16QAM	1	0	22.81	20.11	34.77	-14.66
				1	99	22.91	20.21	34.77	-14.56
				50	25	22.97	20.27	34.77	-14.5
				100	0	22.84	20.14	34.77	-14.63
	133372	688	16QAM	1	0	22.95	20.25	34.77	-14.52
				1	99	22.88	20.18	34.77	-14.59
				50	25	22.78	20.08	34.77	-14.69
				100	0	22.82	20.12	34.77	-14.65
20	133222	673	64QAM	1	0	22.85	20.15	34.77	-14.62
				1	99	22.90	20.20	34.77	-14.57
				50	25	22.92	20.22	34.77	-14.55
				100	0	22.98	20.28	34.77	-14.49
	133297	680.5	64QAM	1	0	22.79	20.09	34.77	-14.68
				1	99	22.96	20.26	34.77	-14.51
				50	25	22.82	20.12	34.77	-14.65
				100	0	22.90	20.20	34.77	-14.57
	133372	688	64QAM	1	0	22.89	20.19	34.77	-14.58
				1	99	22.95	20.25	34.77	-14.52
				50	25	22.85	20.15	34.77	-14.62
				100	0	22.86	20.16	34.77	-14.61
20	133222	673	256QAM	1	0	22.88	20.18	34.77	-14.59
				1	99	22.88	20.18	34.77	-14.59
				50	25	22.92	20.22	34.77	-14.55
				100	0	22.86	20.16	34.77	-14.61
	133297	680.5	256QAM	1	0	22.93	20.23	34.77	-14.54
				1	99	22.79	20.09	34.77	-14.68
				50	25	22.97	20.27	34.77	-14.5
				100	0	22.82	20.12	34.77	-14.65
	133372	688	256QAM	1	0	22.80	20.10	34.77	-14.67
				1	99	22.95	20.25	34.77	-14.52
				50	25	22.95	20.25	34.77	-14.52
				100	0	22.89	20.19	34.77	-14.58

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8 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

8.1 Standard Applicable

According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §27.53(h), §90.543(e)(3)

Out of band emissions. 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(a)

For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:

- (4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:
 - (ii) By a factor of not less than $70 + 10 \log(P)$ dB below 2288 MHz;
 - (iii) By a factor of not less than $70 + 10 \log(P)$ dB above 2365 MHz.

FCC §27.53(g)

Compliance for operations in the 600 MHz, 698-746 MHz, 746-758 MHz and the 776-788 MHz band with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

FCC §90.543 (f)

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics 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. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC §27.53(h)(1)

(h) *AWS emission limits*—(1) *General protection levels*. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

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FCC §27.53(m) (4) (6)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

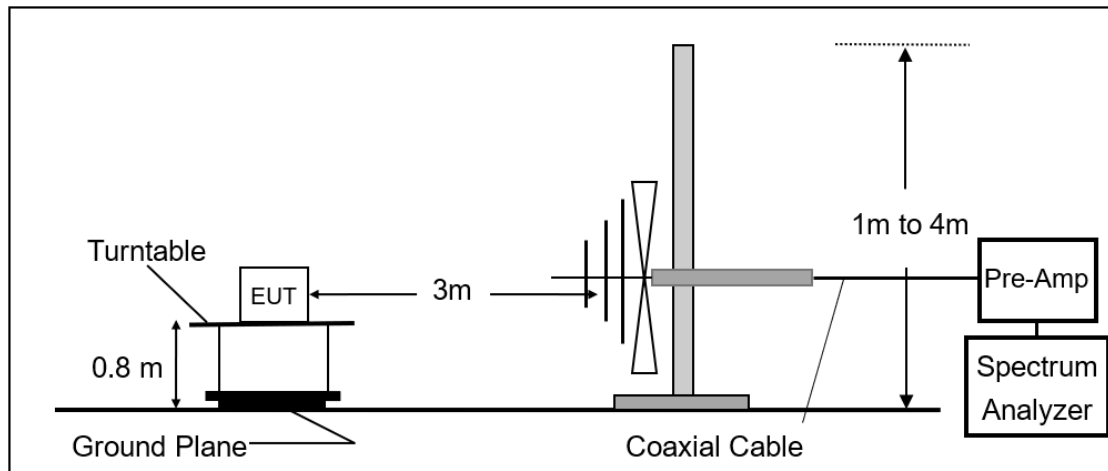
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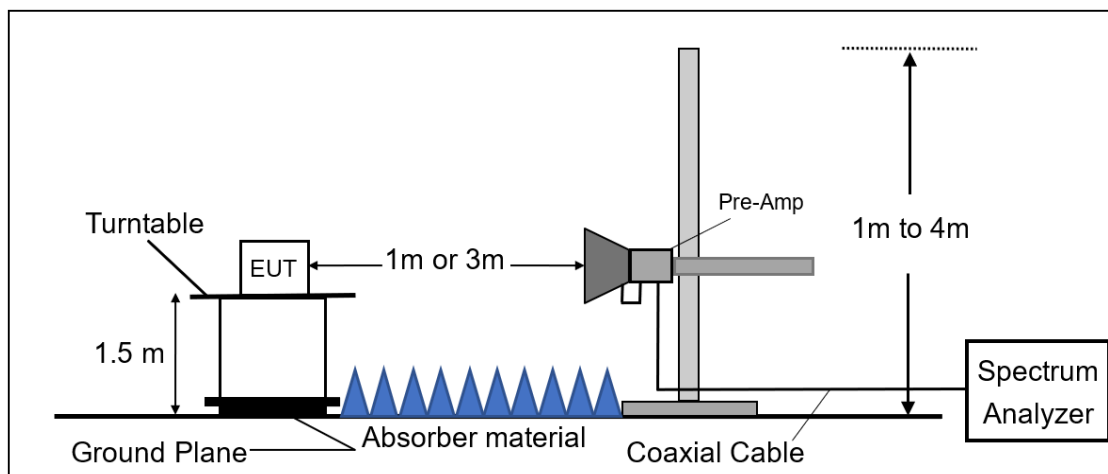
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8.2 EUT Setup

Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1GHz.



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8.3 Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

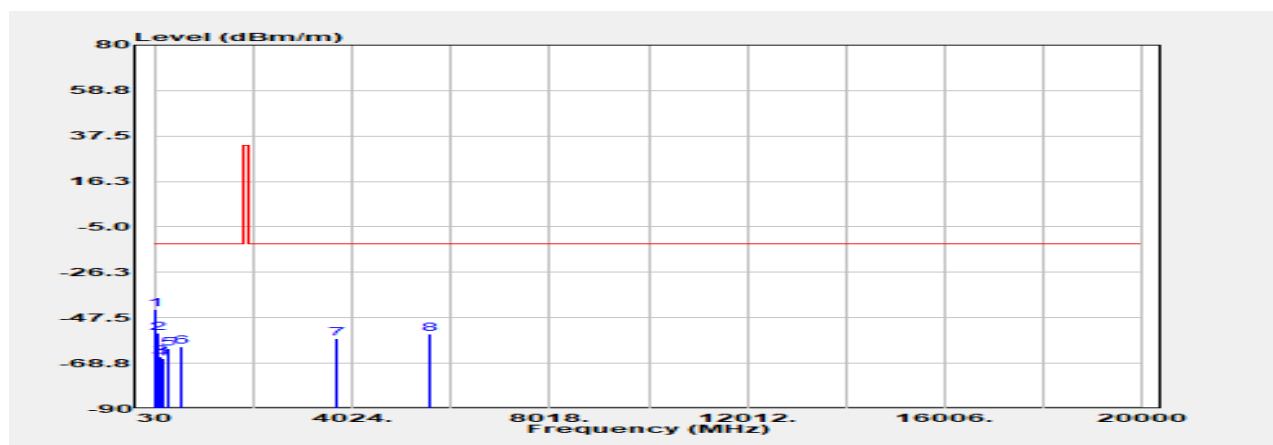
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8.4 Measurement Result:

Report Number :TERF2206000812E2
 Operation Mode :LTE B2
 Test Mode :TX
 EUT Pol :NB Plane
 Test Frequency :1860 MHz

Test Site :SAC D
 Test Date :2022-06-22
 Temp./Humi. :23.8/68
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
40.670	-43.50	-24.72	-18.42	-0.36	-13.00	-30.50
96.930	-54.51	-48.36	-5.58	-0.57	-13.00	-41.51
135.730	-65.89	-58.23	-7.01	-0.65	-13.00	-52.89
181.320	-66.70	-62.39	-3.51	-0.80	-13.00	-53.70
308.390	-61.85	-59.73	-0.99	-1.13	-13.00	-48.85
579.990	-60.93	-58.18	-0.97	-1.78	-13.00	-47.93
3720.000	-57.08	-65.60	12.34	-3.82	-13.00	-44.08
5580.000	-55.18	-63.51	12.96	-4.63	-13.00	-42.18

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B2

Test Date :2022-06-22

Test Mode :TX

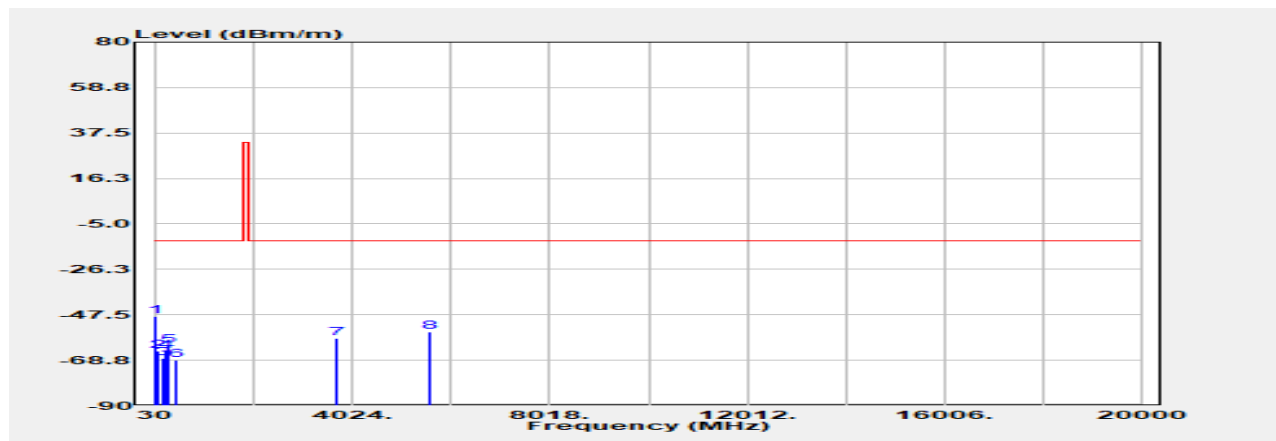
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Horizontal

Test Frequency :1860 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.820	-48.30	-28.99	-18.97	-0.34	-13.00	-35.30
94.020	-64.49	-58.54	-5.38	-0.57	-13.00	-51.49
222.060	-67.79	-67.04	0.13	-0.88	-13.00	-54.79
270.560	-64.51	-62.61	-0.91	-0.99	-13.00	-51.51
307.420	-61.74	-59.64	-0.98	-1.12	-13.00	-48.74
490.750	-68.56	-66.26	-0.66	-1.64	-13.00	-55.56
3720.000	-58.61	-67.13	12.34	-3.82	-13.00	-45.61
5580.000	-55.51	-63.84	12.96	-4.63	-13.00	-42.51

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B4

Test Date :2022-06-22

Test Mode :TX

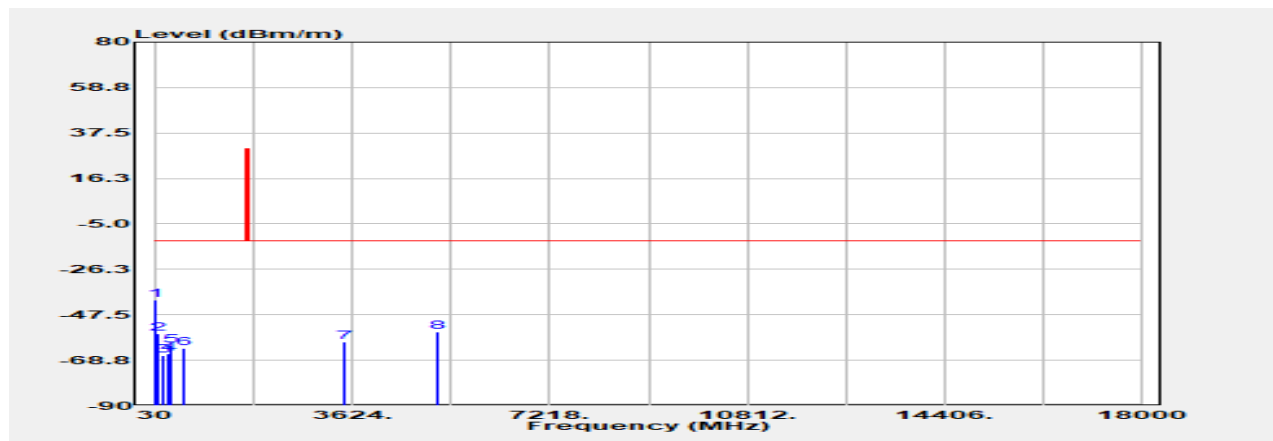
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Vertical

Test Frequency :1732.5 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
40.670	-40.50	-21.72	-18.42	-0.36	-13.00	-27.50
96.930	-56.51	-50.36	-5.58	-0.57	-13.00	-43.51
181.320	-66.70	-62.39	-3.51	-0.80	-13.00	-53.70
268.620	-65.89	-64.05	-0.85	-0.99	-13.00	-52.89
308.390	-61.85	-59.73	-0.99	-1.13	-13.00	-48.85
572.230	-63.23	-60.57	-0.88	-1.78	-13.00	-50.23
3465.000	-60.32	-69.10	12.47	-3.69	-13.00	-47.32
5197.500	-55.37	-63.26	12.39	-4.50	-13.00	-42.37

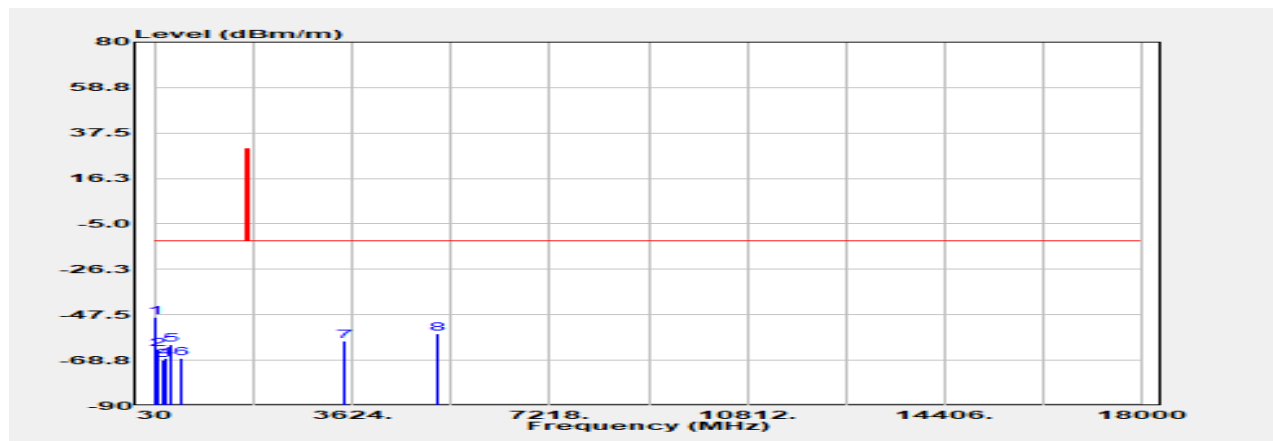
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Report Number :TERF2206000812E2
 Operation Mode :LTE B4
 Test Mode :TX
 EUT Pol :NB Plane
 Test Frequency :1732.5 MHz

Test Site :SAC D
 Test Date :2022-06-22
 Temp./Humi. :23.8/68
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.790	-48.49	-29.17	-18.97	-0.35	-13.00	-35.49
93.050	-63.71	-57.77	-5.37	-0.57	-13.00	-50.71
181.320	-68.88	-64.57	-3.51	-0.80	-13.00	-55.88
224.970	-67.93	-67.34	0.30	-0.89	-13.00	-54.93
311.300	-61.25	-59.10	-1.00	-1.15	-13.00	-48.25
502.390	-67.76	-65.59	-0.71	-1.46	-13.00	-54.76
3465.000	-59.80	-68.58	12.47	-3.69	-13.00	-46.80
5197.500	-56.53	-64.42	12.39	-4.50	-13.00	-43.53

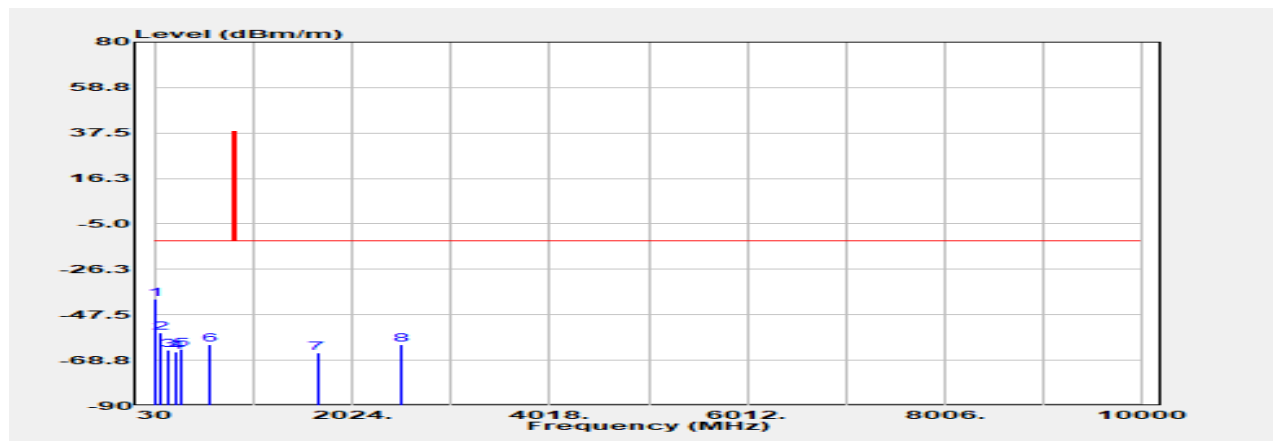
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Report Number :TERF2206000812E2
 Operation Mode :LTE B5
 Test Mode :TX
 EUT Pol :NB Plane
 Test Frequency :836.5 MHz

Test Site :SAC D
 Test Date :2022-06-22
 Temp./Humi. :23.8/68
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-40.35	-21.25	-18.74	-0.36	-13.00	-27.35
96.930	-55.83	-49.68	-5.58	-0.57	-13.00	-42.83
174.530	-64.00	-58.42	-4.80	-0.78	-13.00	-51.00
258.920	-64.90	-63.23	-0.68	-0.99	-13.00	-51.90
297.720	-63.62	-61.54	-1.02	-1.06	-13.00	-50.62
585.810	-61.29	-58.64	-1.02	-1.63	-13.00	-48.29
1673.000	-65.12	-72.17	9.55	-2.50	-13.00	-52.12
2509.500	-61.42	-68.98	10.62	-3.06	-13.00	-48.42

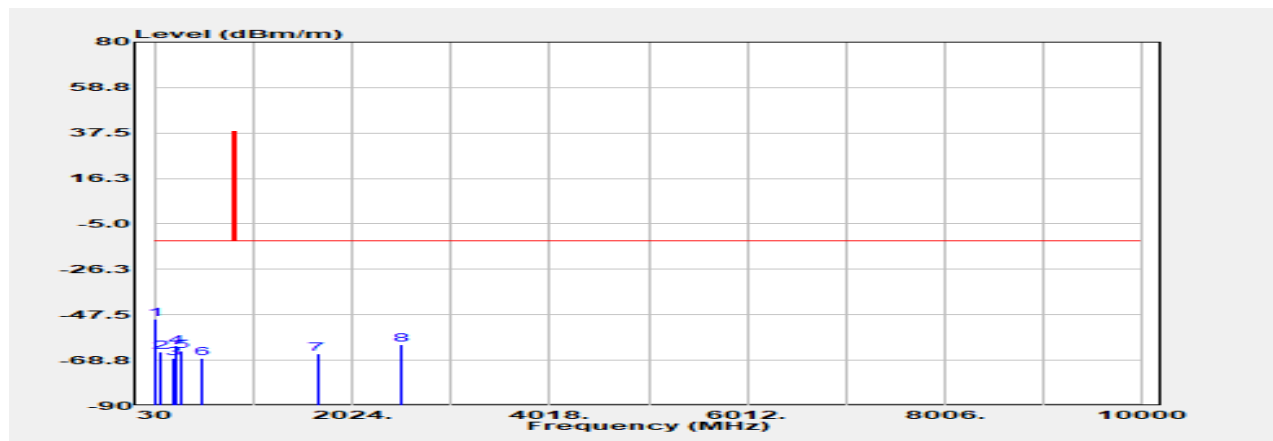
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Report Number :TERF2206000812E2
 Operation Mode :LTE B5
 Test Mode :TX
 EUT Pol :NB Plane
 Test Frequency :836.5 MHz

Test Site :SAC D
 Test Date :2022-06-22
 Temp./Humi. :23.8/68
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.790	-49.40	-30.08	-18.97	-0.35	-13.00	-36.40
94.020	-64.83	-58.88	-5.38	-0.57	-13.00	-51.83
226.910	-68.00	-67.33	0.22	-0.89	-13.00	-55.00
260.860	-62.48	-60.84	-0.65	-0.99	-13.00	-49.48
296.750	-64.54	-62.46	-1.03	-1.05	-13.00	-51.54
506.270	-67.80	-65.66	-0.78	-1.36	-13.00	-54.80
1673.000	-65.50	-72.55	9.55	-2.50	-13.00	-52.50
2509.500	-61.59	-69.15	10.62	-3.06	-13.00	-48.59

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B7

Test Date :2022-06-22

Test Mode :TX

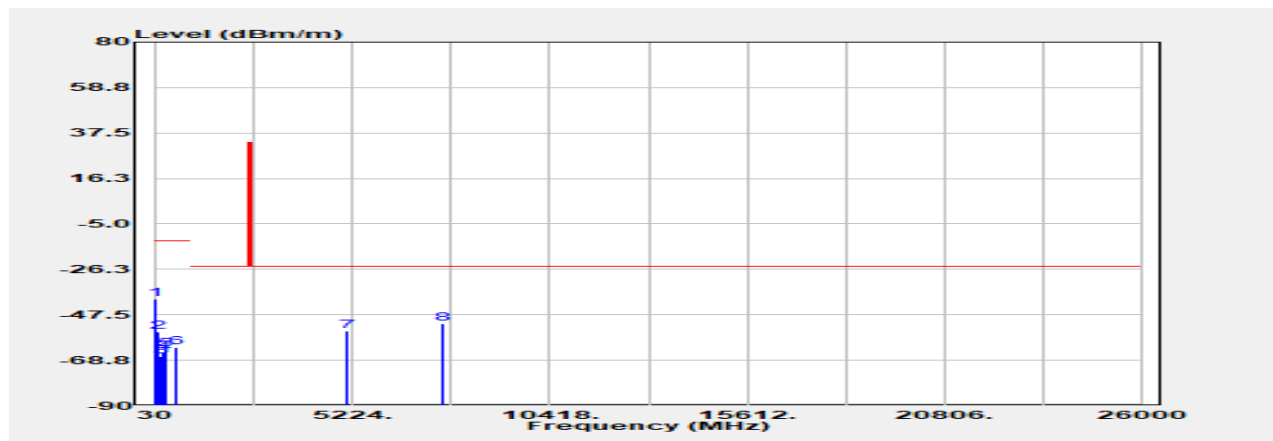
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Vertical

Test Frequency :2535 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-40.13	-21.03	-18.74	-0.36	-13.00	-27.13
97.900	-55.57	-49.37	-5.62	-0.58	-13.00	-42.57
171.620	-66.80	-60.74	-5.29	-0.77	-13.00	-53.80
281.230	-65.44	-63.35	-1.09	-1.00	-13.00	-52.44
307.420	-63.76	-61.66	-0.98	-1.12	-13.00	-50.76
589.690	-62.77	-60.13	-1.11	-1.53	-13.00	-49.77
5070.000	-55.08	-62.75	12.10	-4.43	-25.00	-30.08
7605.000	-51.61	-57.15	11.21	-5.67	-25.00	-26.61

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B7

Test Date :2022-06-22

Test Mode :TX

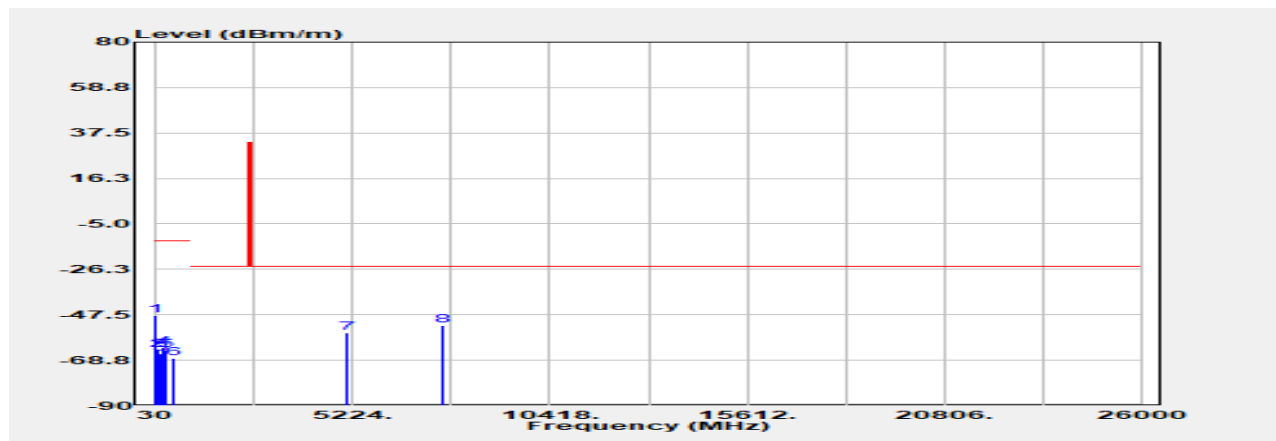
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Horizontal

Test Frequency :2535 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.790	-47.76	-28.44	-18.97	-0.35	-13.00	-34.76
94.020	-64.12	-58.17	-5.38	-0.57	-13.00	-51.12
176.470	-65.82	-60.62	-4.41	-0.79	-13.00	-52.82
259.890	-62.91	-61.28	-0.64	-0.99	-13.00	-49.91
303.540	-64.00	-61.94	-0.96	-1.10	-13.00	-51.00
502.390	-67.75	-65.58	-0.71	-1.46	-13.00	-54.75
5070.000	-55.85	-63.52	12.10	-4.43	-25.00	-30.85
7605.000	-52.30	-57.84	11.21	-5.67	-25.00	-27.30

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B12

Test Date :2022-06-22

Test Mode :TX

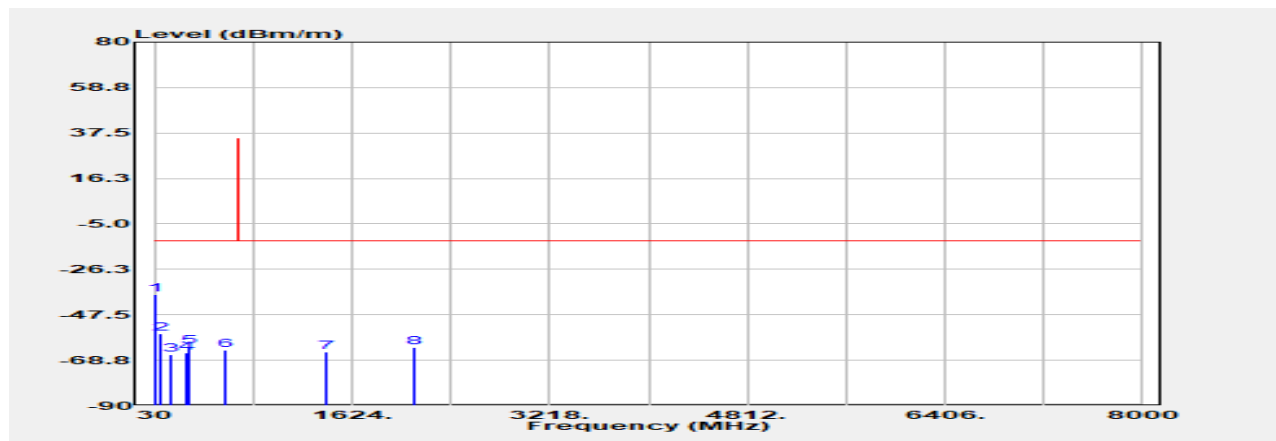
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Vertical

Test Frequency :711 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-38.22	-19.12	-18.74	-0.36	-13.00	-25.22
87.230	-56.18	-49.45	-6.18	-0.55	-13.00	-43.18
171.620	-65.98	-59.92	-5.29	-0.77	-13.00	-52.98
288.990	-65.23	-63.21	-1.00	-1.02	-13.00	-52.23
301.600	-62.38	-60.32	-0.98	-1.08	-13.00	-49.38
592.600	-64.05	-61.47	-1.14	-1.44	-13.00	-51.05
1422.000	-64.85	-70.35	7.78	-2.28	-13.00	-51.85
2133.000	-62.60	-69.30	9.50	-2.80	-13.00	-49.60

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B12

Test Date :2022-06-22

Test Mode :TX

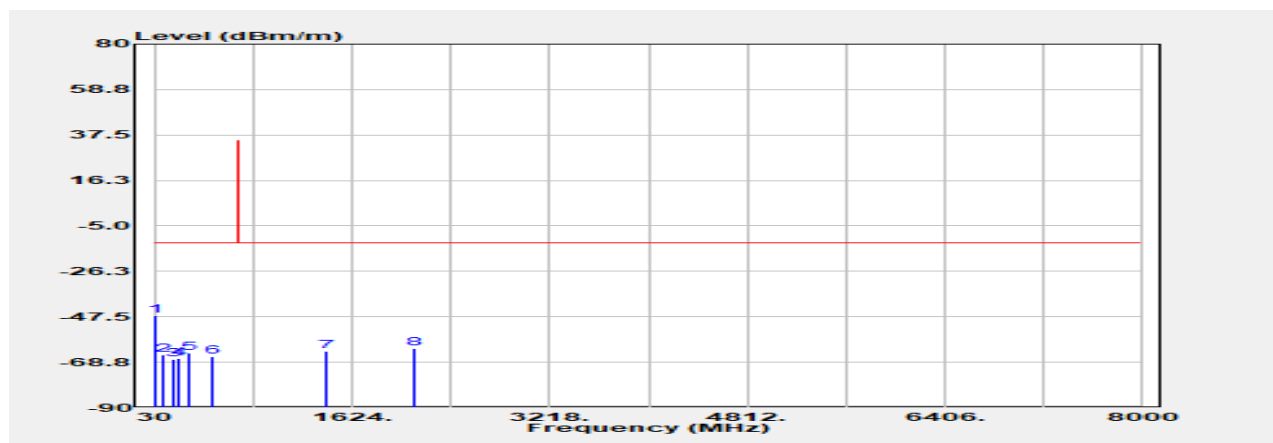
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Horizontal

Test Frequency :711 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.880	-47.15	-27.51	-19.31	-0.33	-13.00	-34.15
99.840	-65.30	-59.01	-5.71	-0.58	-13.00	-52.30
187.140	-67.54	-64.25	-2.48	-0.81	-13.00	-54.54
226.910	-66.85	-66.18	0.22	-0.89	-13.00	-53.85
306.450	-64.39	-62.30	-0.97	-1.12	-13.00	-51.39
506.270	-66.23	-64.09	-0.78	-1.36	-13.00	-53.23
1422.000	-63.51	-69.01	7.78	-2.28	-13.00	-50.51
2133.000	-62.22	-68.92	9.50	-2.80	-13.00	-49.22

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B13

Test Date :2022-06-22

Test Mode :TX

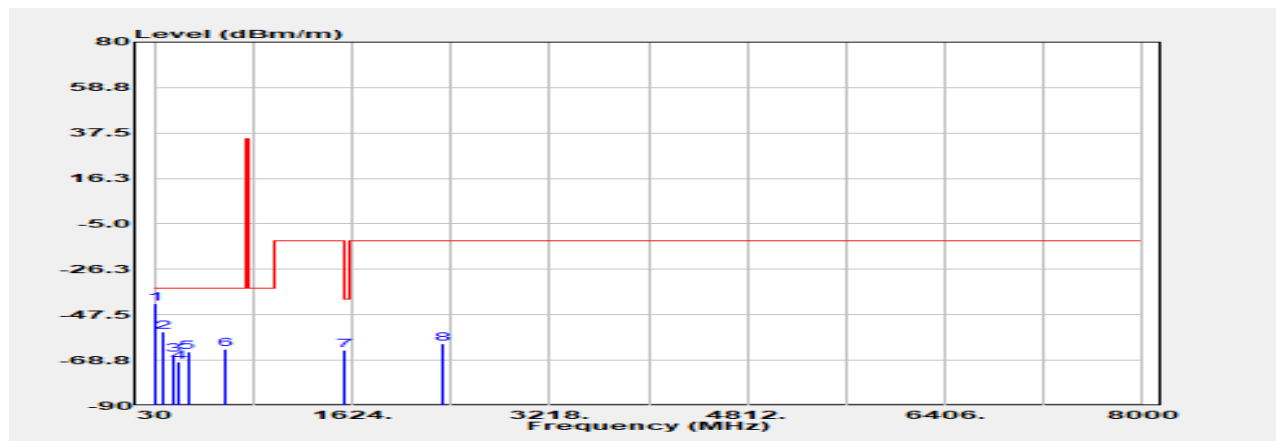
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Vertical

Test Frequency :782 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-42.45	-23.35	-18.74	-0.36	-35.00	-7.45
97.900	-55.58	-49.38	-5.62	-0.58	-35.00	-20.58
174.530	-66.00	-60.42	-4.80	-0.78	-35.00	-31.00
225.940	-69.59	-68.96	0.26	-0.89	-35.00	-34.59
298.690	-64.86	-62.79	-1.01	-1.06	-35.00	-29.86
599.390	-63.55	-61.06	-1.26	-1.23	-35.00	-28.55
1564.000	-63.86	-70.63	9.18	-2.41	-40.00	-23.86
2346.000	-61.15	-67.79	9.58	-2.94	-13.00	-48.15

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B13

Test Date :2022-06-22

Test Mode :TX

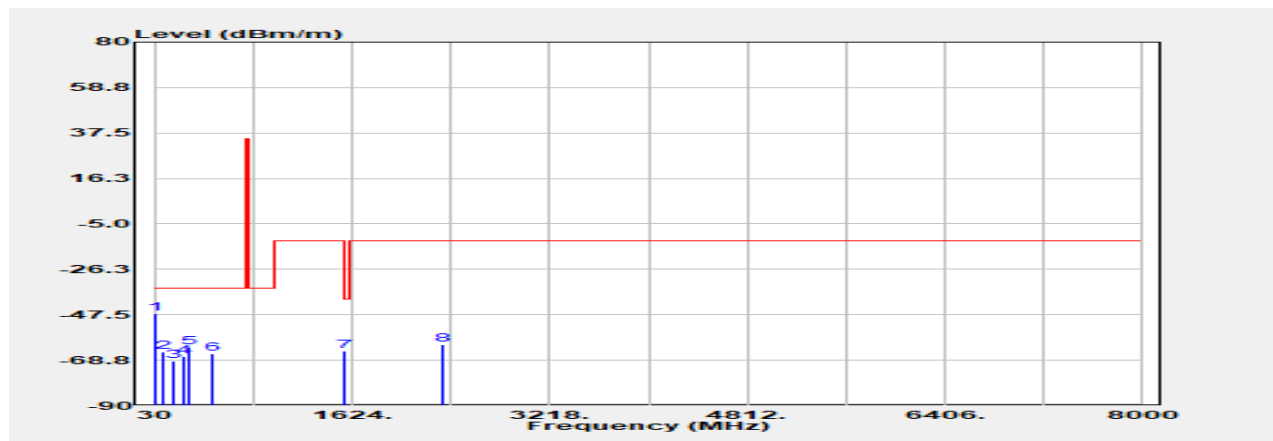
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Horizontal

Test Frequency :782 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.790	-47.16	-27.84	-18.97	-0.35	-35.00	-12.16
98.870	-64.73	-58.61	-5.54	-0.58	-35.00	-29.73
178.410	-68.98	-64.12	-4.07	-0.79	-35.00	-33.98
271.530	-67.18	-65.27	-0.92	-0.99	-35.00	-32.18
305.480	-62.89	-60.82	-0.96	-1.11	-35.00	-27.89
505.300	-65.75	-63.59	-0.77	-1.39	-35.00	-30.75
1564.000	-64.24	-71.01	9.18	-2.41	-40.00	-24.24
2346.000	-61.34	-67.98	9.58	-2.94	-13.00	-48.34

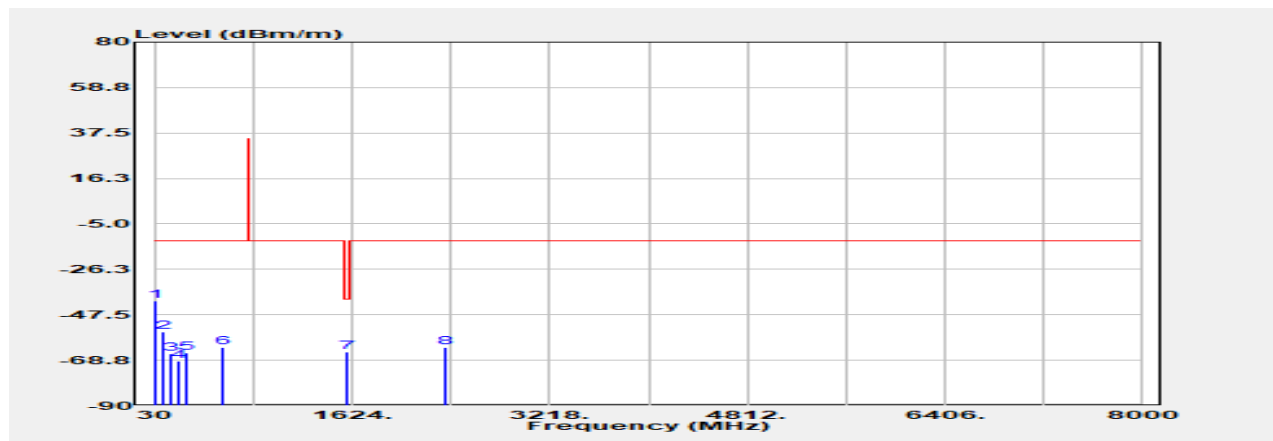
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Report Number :TERF2206000812E2
 Operation Mode :LTE B14
 Test Mode :TX
 EUT Pol :NB Plane
 Test Frequency :793 MHz

Test Site :SAC D
 Test Date :2022-06-22
 Temp./Humi. :23.8/68
 Antenna Pol. :Vertical
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
40.670	-41.04	-22.26	-18.42	-0.36	-13.00	-28.04
98.870	-55.38	-49.26	-5.54	-0.58	-13.00	-42.38
171.620	-65.70	-59.64	-5.29	-0.77	-13.00	-52.70
224.000	-69.27	-68.62	0.24	-0.89	-13.00	-56.27
297.720	-65.46	-63.38	-1.02	-1.06	-13.00	-52.46
588.720	-62.69	-60.05	-1.09	-1.55	-13.00	-49.69
1586.000	-64.97	-71.88	9.32	-2.41	-40.00	-24.97
2379.000	-62.57	-69.49	9.89	-2.97	-13.00	-49.57

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B14

Test Date :2022-06-22

Test Mode :TX

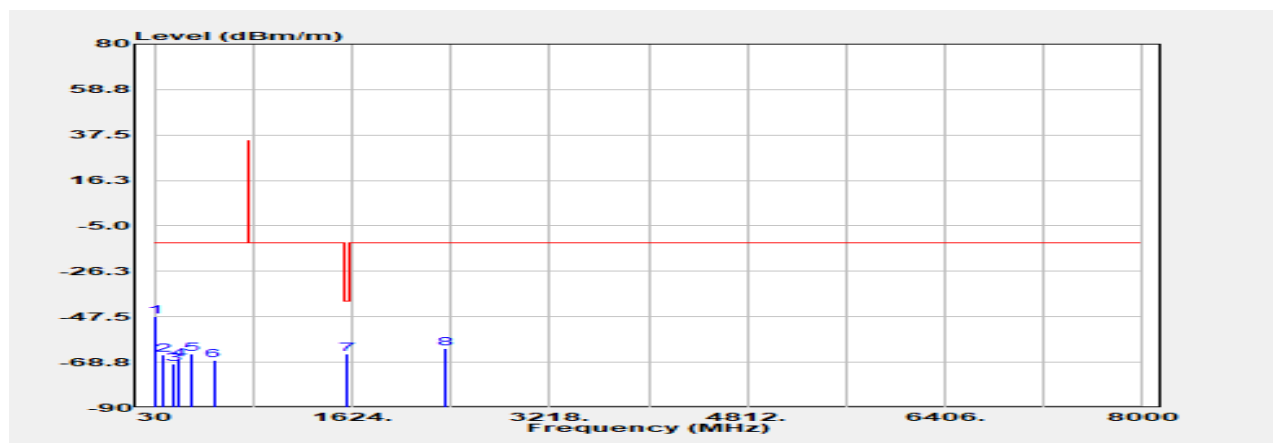
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Horizontal

Test Frequency :793 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.820	-47.53	-28.22	-18.97	-0.34	-13.00	-34.53
99.840	-65.20	-58.91	-5.71	-0.58	-13.00	-52.20
175.500	-69.76	-64.33	-4.65	-0.78	-13.00	-56.76
225.940	-67.22	-66.59	0.26	-0.89	-13.00	-54.22
322.940	-64.66	-62.51	-0.96	-1.19	-13.00	-51.66
508.210	-67.81	-65.72	-0.78	-1.31	-13.00	-54.81
1586.000	-64.86	-71.77	9.32	-2.41	-40.00	-24.86
2379.000	-62.40	-69.32	9.89	-2.97	-13.00	-49.40

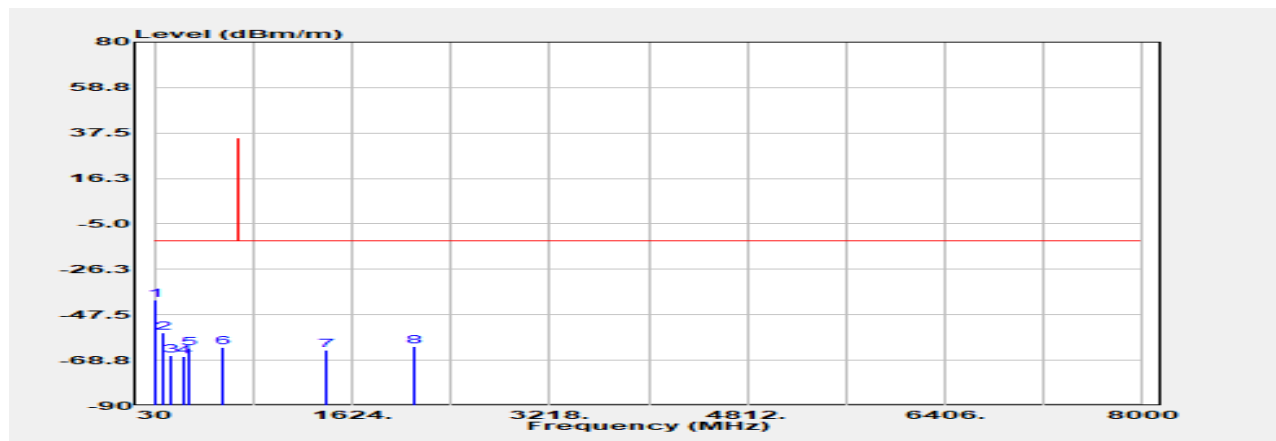
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Report Number :TERF2206000812E2
Operation Mode :LTE B17
Test Mode :TX
EUT Pol :NB Plane
Test Frequency :709 MHz

Test Site :SAC D
Test Date :2022-06-22
Temp./Humi. :23.8/68
Antenna Pol. :Vertical
Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
40.670	-40.50	-21.72	-18.42	-0.36	-13.00	-27.50
97.900	-55.98	-49.78	-5.62	-0.58	-13.00	-42.98
172.590	-66.51	-60.60	-5.14	-0.77	-13.00	-53.51
258.920	-66.80	-65.13	-0.68	-0.99	-13.00	-53.80
313.240	-63.16	-61.03	-0.98	-1.15	-13.00	-50.16
590.660	-62.65	-60.03	-1.12	-1.50	-13.00	-49.65
1418.000	-64.11	-69.58	7.75	-2.28	-13.00	-51.11
2127.000	-62.13	-68.90	9.57	-2.80	-13.00	-49.13

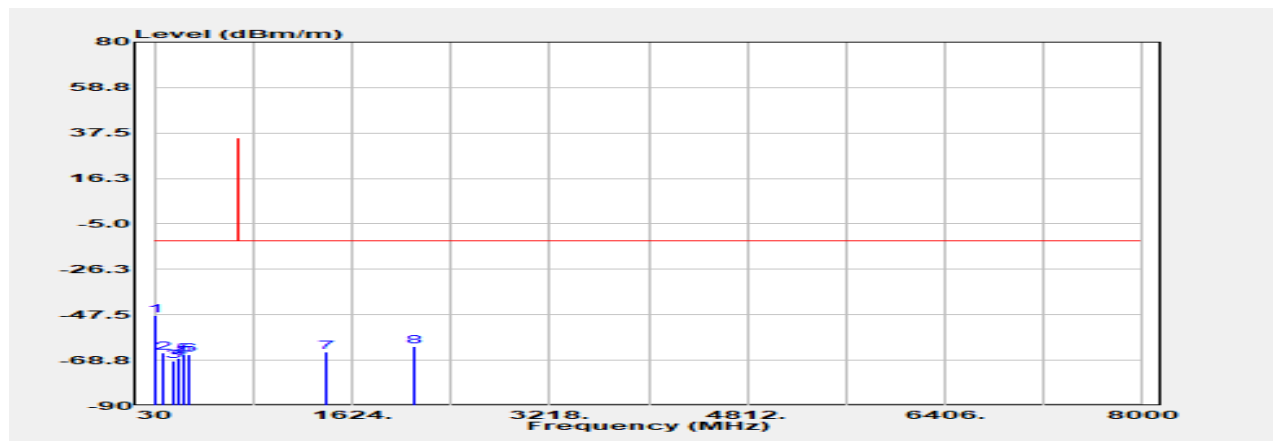
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Report Number :TERF2206000812E2
Operation Mode :LTE B17
Test Mode :TX
EUT Pol :NB Plane
Test Frequency :709 MHz

Test Site :SAC D
Test Date :2022-06-22
Temp./Humi. :23.8/68
Antenna Pol. :Horizontal
Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
40.670	-47.66	-28.88	-18.42	-0.36	-13.00	-34.66
93.050	-65.34	-59.40	-5.37	-0.57	-13.00	-52.34
175.500	-68.96	-63.53	-4.65	-0.78	-13.00	-55.96
225.940	-67.72	-67.09	0.26	-0.89	-13.00	-54.72
269.590	-65.96	-64.08	-0.89	-0.99	-13.00	-52.96
300.630	-66.00	-63.94	-0.99	-1.07	-13.00	-53.00
1418.000	-64.67	-70.14	7.75	-2.28	-13.00	-51.67
2127.000	-62.18	-68.95	9.57	-2.80	-13.00	-49.18

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B25

Test Date :2022-06-22

Test Mode :TX

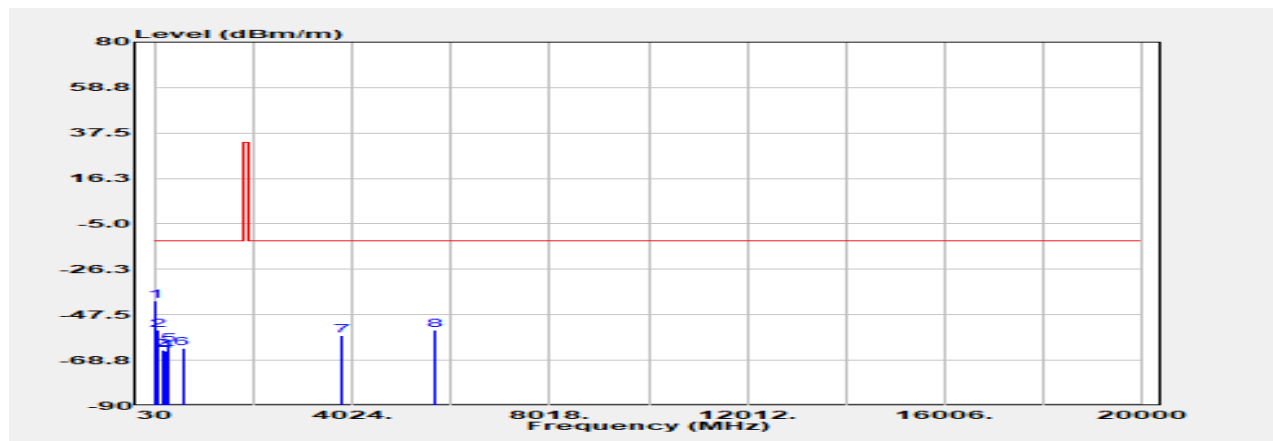
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Vertical

Test Frequency :1905 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-40.80	-21.70	-18.74	-0.36	-13.00	-27.80
98.870	-54.79	-48.67	-5.54	-0.58	-13.00	-41.79
188.110	-63.83	-60.68	-2.33	-0.82	-13.00	-50.83
265.710	-64.61	-62.91	-0.71	-0.99	-13.00	-51.61
310.330	-61.65	-59.50	-1.01	-1.14	-13.00	-48.65
600.360	-63.18	-60.68	-1.29	-1.21	-13.00	-50.18
3810.000	-57.29	-65.88	12.38	-3.79	-13.00	-44.29
5715.000	-54.70	-62.80	12.80	-4.70	-13.00	-41.70

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B25

Test Date :2022-06-22

Test Mode :TX

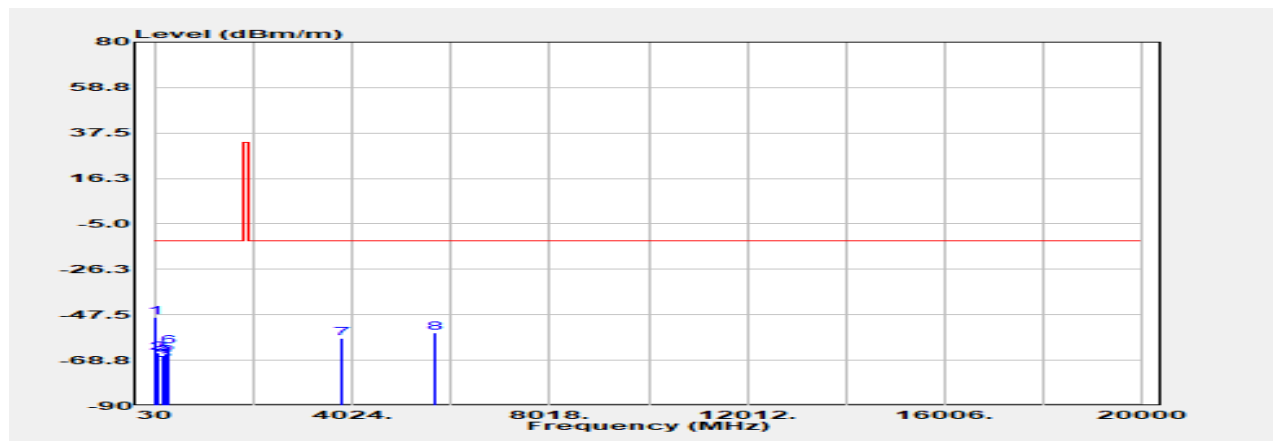
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Horizontal

Test Frequency :1905 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.850	-48.61	-29.00	-19.27	-0.34	-13.00	-35.61
94.990	-65.23	-59.27	-5.39	-0.57	-13.00	-52.23
191.990	-68.52	-66.03	-1.67	-0.82	-13.00	-55.52
224.970	-66.87	-66.28	0.30	-0.89	-13.00	-53.87
265.710	-65.52	-63.82	-0.71	-0.99	-13.00	-52.52
307.420	-62.27	-60.17	-0.98	-1.12	-13.00	-49.27
3810.000	-58.39	-66.98	12.38	-3.79	-13.00	-45.39
5715.000	-55.89	-63.99	12.80	-4.70	-13.00	-42.89

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B26

Test Date :2022-06-22

Test Mode :TX

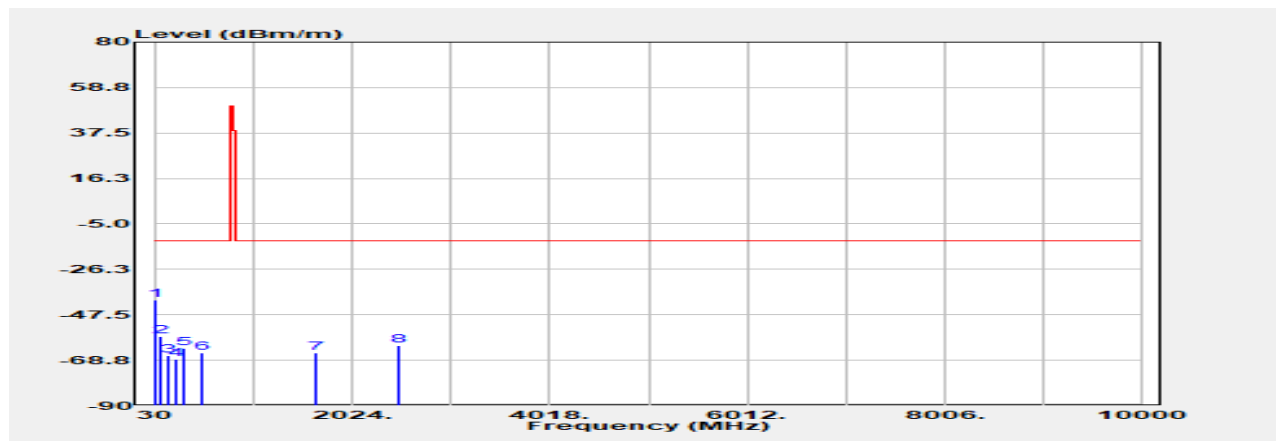
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Vertical

Test Frequency :831.5 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-40.42	-21.32	-18.74	-0.36	-13.00	-27.42
97.900	-57.61	-51.41	-5.62	-0.58	-13.00	-44.61
170.650	-66.49	-60.30	-5.43	-0.76	-13.00	-53.49
256.980	-68.38	-66.65	-0.74	-0.99	-13.00	-55.38
316.150	-63.37	-61.22	-0.99	-1.16	-13.00	-50.37
505.300	-65.19	-63.03	-0.77	-1.39	-13.00	-52.19
1663.000	-65.45	-72.48	9.53	-2.50	-13.00	-52.45
2494.500	-61.78	-69.32	10.59	-3.05	-13.00	-48.78

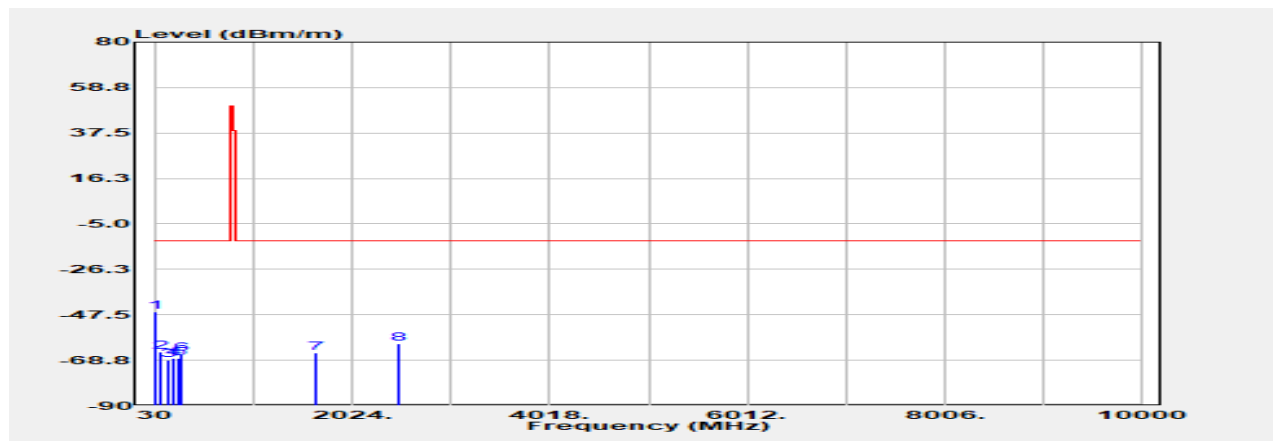
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Report Number :TERF2206000812E2
 Operation Mode :LTE B26
 Test Mode :TX
 EUT Pol :NB Plane
 Test Frequency :831.5 MHz

Test Site :SAC D
 Test Date :2022-06-22
 Temp./Humi. :23.8/68
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.790	-46.23	-26.91	-18.97	-0.35	-13.00	-33.23
98.870	-64.94	-58.82	-5.54	-0.58	-13.00	-51.94
176.470	-68.54	-63.34	-4.41	-0.79	-13.00	-55.54
223.030	-67.65	-66.95	0.19	-0.89	-13.00	-54.65
266.680	-67.88	-66.13	-0.76	-0.99	-13.00	-54.88
288.990	-65.68	-63.66	-1.00	-1.02	-13.00	-52.68
1663.000	-65.37	-72.40	9.53	-2.50	-13.00	-52.37
2494.500	-60.84	-68.38	10.59	-3.05	-13.00	-47.84

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B30

Test Date :2022-06-22

Test Mode :TX

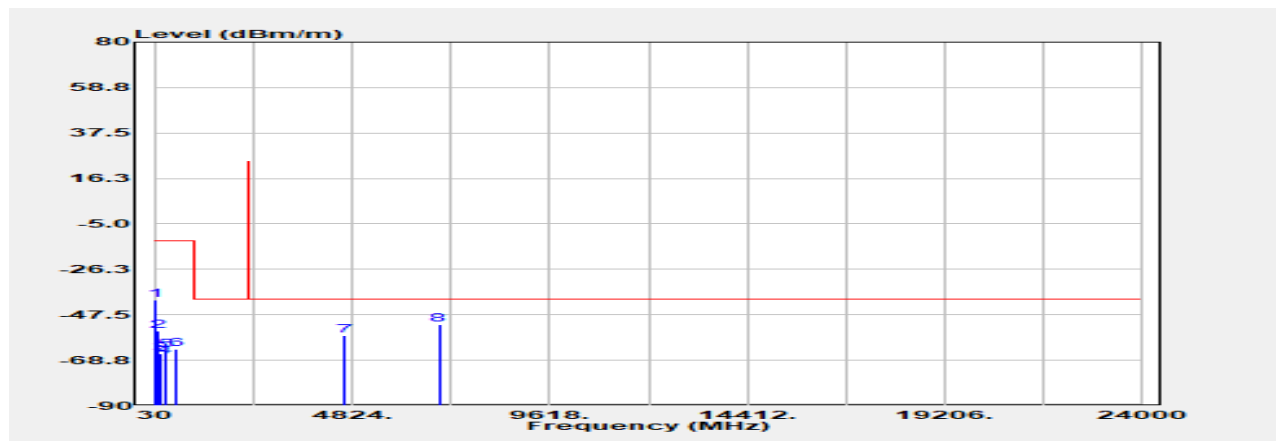
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Vertical

Test Frequency :2310 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-40.46	-21.36	-18.74	-0.36	-13.00	-27.46
97.900	-55.05	-48.85	-5.62	-0.58	-13.00	-42.05
174.530	-65.88	-60.30	-4.80	-0.78	-13.00	-52.88
274.440	-67.12	-65.18	-0.95	-0.99	-13.00	-54.12
305.480	-64.02	-61.95	-0.96	-1.11	-13.00	-51.02
574.170	-63.51	-60.80	-0.93	-1.78	-13.00	-50.51
4620.000	-57.04	-65.27	12.42	-4.19	-40.00	-17.04
6930.000	-52.00	-58.47	11.74	-5.27	-40.00	-12.00

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B30

Test Date :2022-06-22

Test Mode :TX

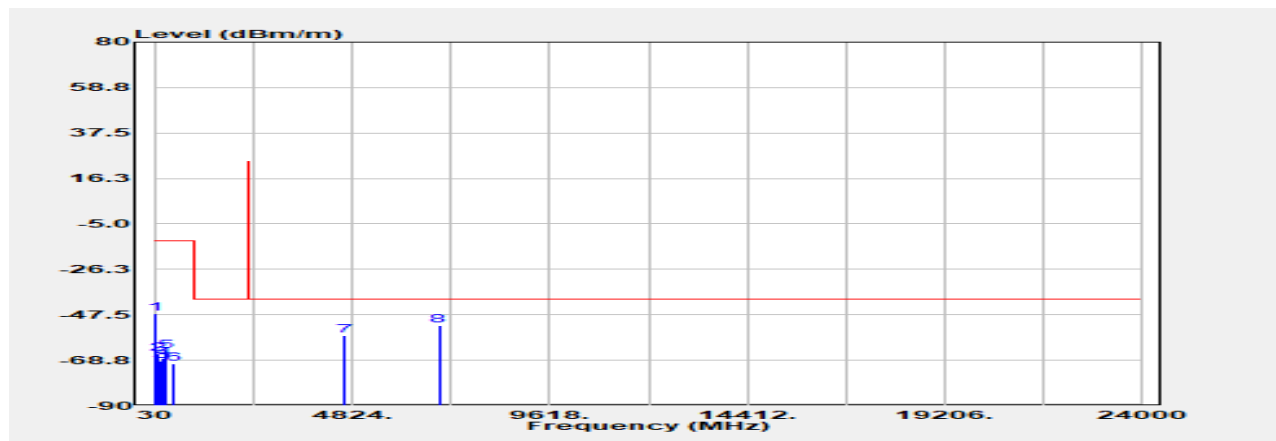
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Horizontal

Test Frequency :2310 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.820	-46.80	-27.49	-18.97	-0.34	-13.00	-33.80
94.990	-65.71	-59.75	-5.39	-0.57	-13.00	-52.71
176.470	-69.21	-64.01	-4.41	-0.79	-13.00	-56.21
225.940	-67.95	-67.32	0.26	-0.89	-13.00	-54.95
303.540	-64.31	-62.25	-0.96	-1.10	-13.00	-51.31
498.510	-70.45	-68.21	-0.69	-1.55	-13.00	-57.45
4620.000	-57.23	-65.46	12.42	-4.19	-40.00	-17.23
6930.000	-52.36	-58.83	11.74	-5.27	-40.00	-12.36

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B38

Test Date :2022-06-22

Test Mode :TX

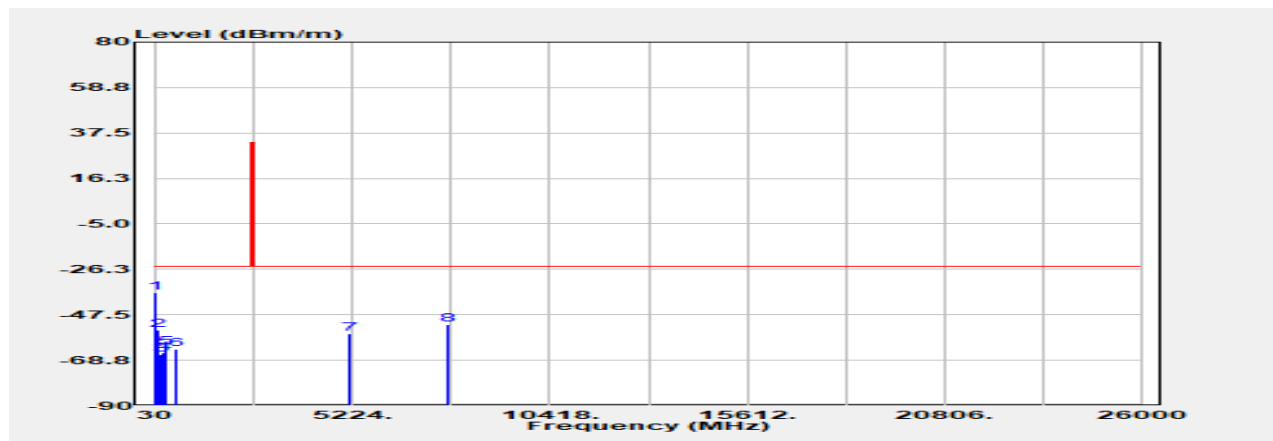
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Vertical

Test Frequency :2580 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-37.10	-18.00	-18.74	-0.36	-25.00	-12.10
96.930	-54.57	-48.42	-5.58	-0.57	-25.00	-29.57
178.410	-66.29	-61.43	-4.07	-0.79	-25.00	-41.29
271.530	-65.42	-63.51	-0.92	-0.99	-25.00	-40.42
306.450	-62.56	-60.47	-0.97	-1.12	-25.00	-37.56
587.750	-63.56	-60.91	-1.07	-1.58	-25.00	-38.56
5160.000	-56.17	-63.84	12.16	-4.49	-25.00	-31.17
7740.000	-52.13	-57.88	11.50	-5.75	-25.00	-27.13

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B38

Test Date :2022-06-22

Test Mode :TX

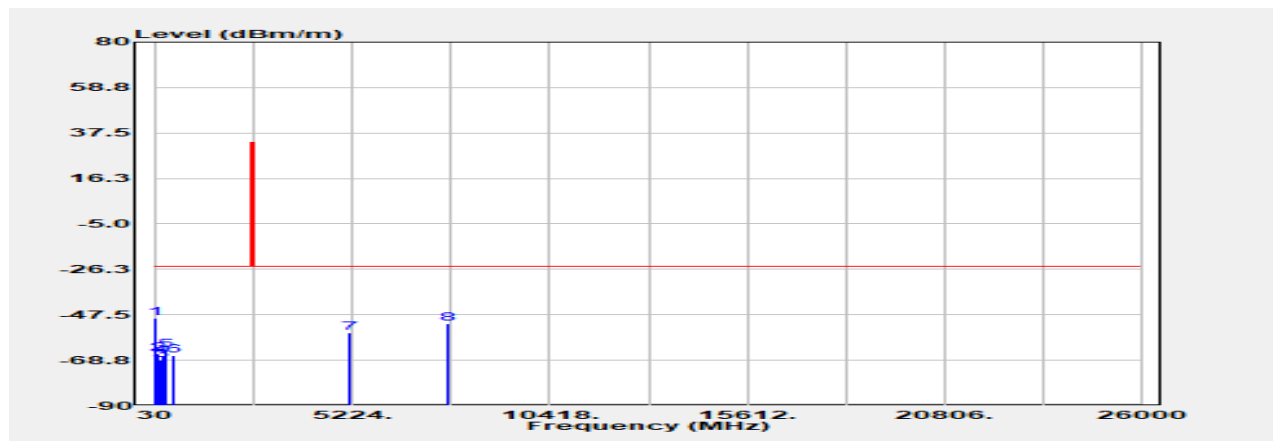
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Horizontal

Test Frequency :2580 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
38.730	-49.02	-29.82	-18.85	-0.35	-25.00	-24.02
95.960	-65.70	-59.84	-5.29	-0.57	-25.00	-40.70
174.530	-68.74	-63.16	-4.80	-0.78	-25.00	-43.74
225.940	-66.94	-66.31	0.26	-0.89	-25.00	-41.94
318.090	-64.13	-61.95	-1.01	-1.17	-25.00	-39.13
503.360	-66.47	-64.30	-0.73	-1.44	-25.00	-41.47
5160.000	-55.81	-63.48	12.16	-4.49	-25.00	-30.81
7740.000	-51.70	-57.45	11.50	-5.75	-25.00	-26.70

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B41

Test Date :2022-06-22

Test Mode :TX

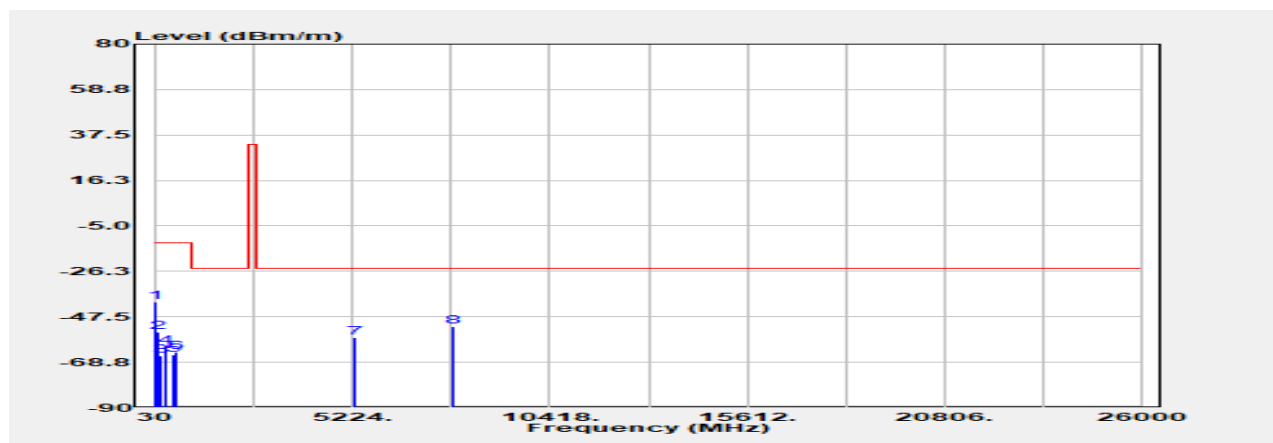
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Vertical

Test Frequency :2636.5 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-40.69	-21.59	-18.74	-0.36	-13.00	-27.69
97.900	-54.51	-48.31	-5.62	-0.58	-13.00	-41.51
172.590	-65.83	-59.92	-5.14	-0.77	-13.00	-52.83
306.450	-61.56	-59.47	-0.97	-1.12	-13.00	-48.56
508.210	-65.34	-63.25	-0.78	-1.31	-13.00	-52.34
580.960	-64.08	-61.35	-0.98	-1.75	-13.00	-51.08
5273.000	-57.26	-65.65	12.89	-4.50	-25.00	-32.26
7909.500	-51.94	-57.38	11.16	-5.72	-25.00	-26.94

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B41

Test Date :2022-06-22

Test Mode :TX

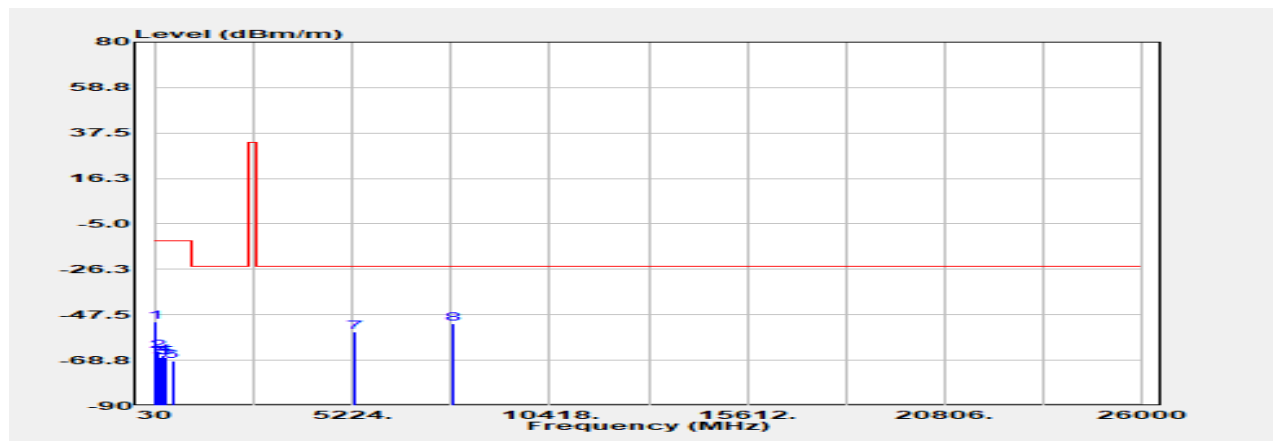
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Horizontal

Test Frequency :2636.5 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-50.70	-31.60	-18.74	-0.36	-13.00	-37.70
94.020	-64.58	-58.63	-5.38	-0.57	-13.00	-51.58
218.180	-67.60	-66.62	-0.10	-0.88	-13.00	-54.60
259.890	-66.71	-65.08	-0.64	-0.99	-13.00	-53.71
310.330	-67.24	-65.09	-1.01	-1.14	-13.00	-54.24
499.480	-69.24	-67.03	-0.67	-1.54	-13.00	-56.24
5273.000	-55.51	-63.90	12.89	-4.50	-25.00	-30.51
7909.500	-51.48	-56.92	11.16	-5.72	-25.00	-26.48

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B66

Test Date :2022-06-22

Test Mode :TX

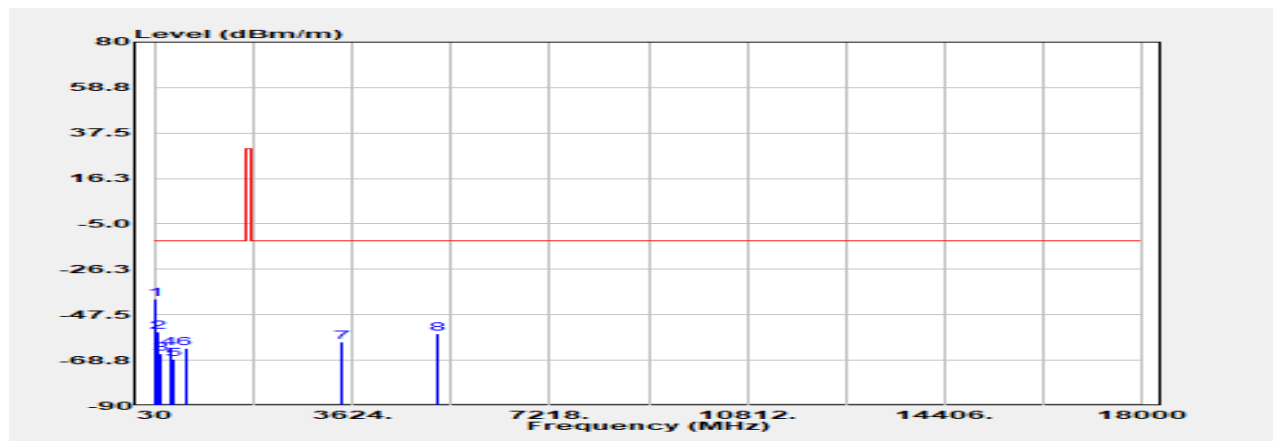
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Vertical

Test Frequency :1720 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-40.34	-21.24	-18.74	-0.36	-13.00	-27.34
97.900	-55.46	-49.26	-5.62	-0.58	-13.00	-42.46
157.070	-65.86	-58.63	-6.52	-0.71	-13.00	-52.86
306.450	-63.17	-61.08	-0.97	-1.12	-13.00	-50.17
389.870	-68.47	-66.58	-0.62	-1.27	-13.00	-55.47
588.720	-63.22	-60.58	-1.09	-1.55	-13.00	-50.22
3440.000	-60.20	-69.03	12.52	-3.69	-13.00	-47.20
5160.000	-56.18	-63.85	12.16	-4.49	-13.00	-43.18

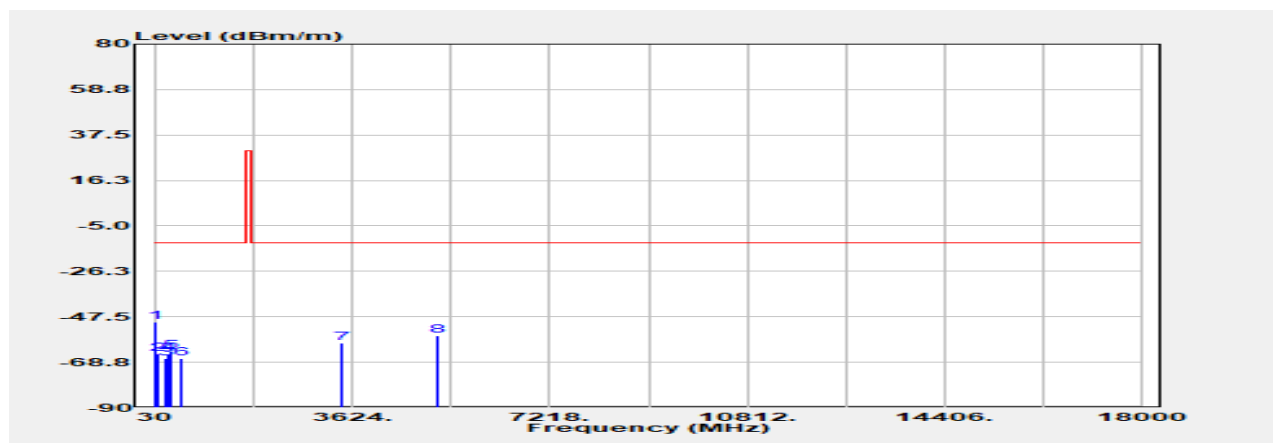
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Report Number :TERF2206000812E2
 Operation Mode :LTE B66
 Test Mode :TX
 EUT Pol :NB Plane
 Test Frequency :1720 MHz

Test Site :SAC D
 Test Date :2022-06-22
 Temp./Humi. :23.8/68
 Antenna Pol. :Horizontal
 Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.850	-50.05	-30.44	-19.27	-0.34	-13.00	-37.05
98.870	-64.99	-58.87	-5.54	-0.58	-13.00	-51.99
224.000	-66.91	-66.26	0.24	-0.89	-13.00	-53.91
266.680	-64.84	-63.09	-0.76	-0.99	-13.00	-51.84
309.360	-63.67	-61.53	-1.00	-1.14	-13.00	-50.67
501.420	-67.03	-64.85	-0.69	-1.49	-13.00	-54.03
3440.000	-59.88	-68.71	12.52	-3.69	-13.00	-46.88
5160.000	-56.44	-64.11	12.16	-4.49	-13.00	-43.44

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B71

Test Date :2022-06-22

Test Mode :TX

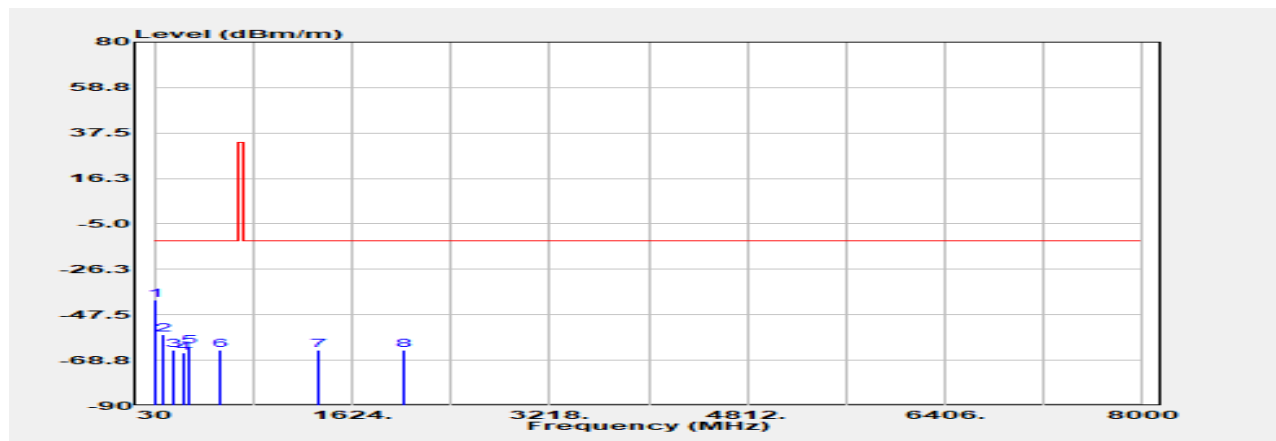
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Vertical

Test Frequency :680.5 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-40.72	-21.62	-18.74	-0.36	-13.00	-27.72
97.900	-56.71	-50.51	-5.62	-0.58	-13.00	-43.71
174.530	-64.01	-58.43	-4.80	-0.78	-13.00	-51.01
261.830	-65.10	-63.46	-0.65	-0.99	-13.00	-52.10
304.510	-62.21	-60.16	-0.95	-1.10	-13.00	-49.21
566.410	-63.89	-61.34	-0.81	-1.74	-13.00	-50.89
1361.000	-63.90	-68.82	7.21	-2.29	-13.00	-50.90
2041.500	-64.15	-71.53	10.12	-2.74	-13.00	-51.15

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Report Number :TERF2206000812E2

Test Site :SAC D

Operation Mode :LTE B71

Test Date :2022-06-22

Test Mode :TX

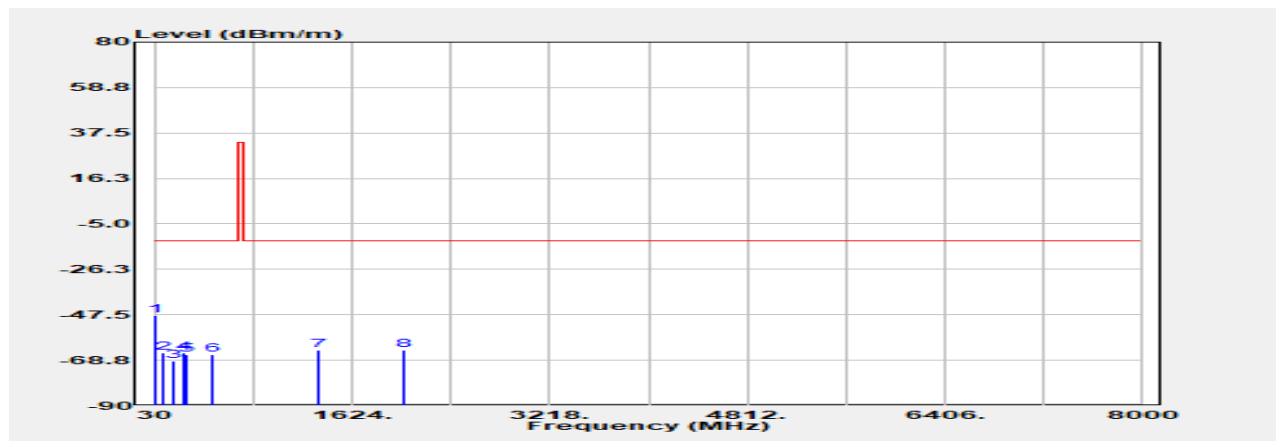
Temp./Humi. :23.8/68

EUT Pol :NB Plane

Antenna Pol. :Horizontal

Test Frequency :680.5 MHz

Engineer :Howard Huang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.880	-47.99	-28.35	-19.31	-0.33	-13.00	-34.99
97.900	-65.37	-59.17	-5.62	-0.58	-13.00	-52.37
178.410	-68.91	-64.05	-4.07	-0.79	-13.00	-55.91
263.770	-65.18	-63.52	-0.67	-0.99	-13.00	-52.18
286.080	-66.30	-64.26	-1.03	-1.01	-13.00	-53.30
502.390	-66.22	-64.05	-0.71	-1.46	-13.00	-53.22
1361.000	-64.08	-69.00	7.21	-2.29	-13.00	-51.08
2041.500	-63.83	-71.21	10.12	-2.74	-13.00	-50.83

~ End of Report ~

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