



FCC RF Test Report

APPLICANT : Positioning Universal Inc
EQUIPMENT : GPS Tracker
BRAND NAME : Positioning Universal Inc
MODEL NAME : TM97LW-E6
FCC ID : 2AHRH-TM97LW
STANDARD : 47 CFR Part 22(H), 24(E), 27(L), 27(F), 27(H), 27(M)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Jun. 23, 2026 ~ Jun. 24, 2026

This product installed a RF module (Brand Name: Telit Cinterion , Model Name: LE910Q1-WW, FCC ID: RI7LE910Q1WW) during the test, only Conducted Power, ERP/EIRP and RSE test items are tested in this report, all the other test results are leveraged from module RF report.

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG660203A	Rev. 01	Initial issue of report	Jul. 23, 2026



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13)	ERP < 3 Watt		-
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)	EIRP < 2Watt		-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		-
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	1
3.7	§2.1051 §27.53(c)(2)(4)	Conducted Band Edge Measurement (Band 13)	< 43+10log ₁₀ (P[Watts])	PASS	1
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7)	§27.53(m)(4)		
3.8	§2.1051 §27.53(c)(2)	Conducted Spurious Emission (Band 13)	< 43+10log ₁₀ (P[Watts])	PASS	1
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7)	< 55+10log ₁₀ (P[Watts])		
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	1
4.4	§2.1053 §27.53(c)(2) §27.53(f)	Radiated Spurious Emission (Band 13)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 15.63 dB at 1560 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7)	< 55+10log ₁₀ (P[Watts])		

Remark 1: For the RF conducted test items, all the test cases can be referred to the module RF report (Report No. SZCR240700274102) which exhibit separately.

Conformity Assessment Condition:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Positioning Universal Inc

4660 La Jolla Village Drive, Suite 1100, San Diego , CA92122

1.2 Manufacturer

Positioning Universal Inc

4660 La Jolla Village Drive, Suite 1100, San Diego , CA92122

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	GPS Tracker
Brand Name	Positioning Universal Inc
Model Name	TM97LW-E6
FCC ID	2AHRH-TM97LW
IMEI Code	Radiation: 355288940040324 Conducted: 355288940042023
EUT Stage	Production Unit

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 25 : 1850 MHz ~ 1915 MHz LTE Band 26 : 824 MHz ~ 849 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 25 : 1930 MHz ~ 1995 MHz LTE Band 26 : 869 MHz ~ 894 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 66 : 2110 MHz ~ 2180 MHz

Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 2 : 23.67 dBm LTE Band 4 : 23.48 dBm LTE Band 5 : 23.28 dBm LTE Band 7 : 23.40 dBm LTE Band 12 : 23.89 dBm LTE Band 13 : 24.18 dBm LTE Band 25 : 23.50 dBm LTE Band 26 : 23.84 dBm LTE Band 38 : 23.62 dBm LTE Band 41 : 23.38 dBm LTE Band 66 : 23.73 dBm
Antenna Gain	LTE Band 2 : 2.90 dBi LTE Band 4 : 3.22 dBi LTE Band 5 : -5.87 dBi LTE Band 7 : 2.36 dBi LTE Band 12 : -1.73 dBi LTE Band 13 : -4.31 dBi LTE Band 25 : 2.90 dBi LTE Band 26 : -5.87 dBi LTE Band 38 : 1.84 dBi LTE Band 41 : 2.36 dBi LTE Band 66 : 3.22 dBi
Type of Modulation	QPSK / 16QAM

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Maximum ERP/EIRP and Emission Designator

LTE Band 2		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1909.3	0.3837	-	0.3214	-
3	1851.5 ~ 1908.5	0.3673	-	0.3034	-
5	1852.5 ~ 1907.5	0.3963	-	0.3273	-
10	1855.0 ~ 1905.0	0.4217	-	0.3388	-
15	1857.5 ~ 1902.5	0.4539	-	0.3556	-
20	1860.0 ~ 1900.0	0.4487	-	0.3945	-
LTE Band 25		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1914.3	0.3926	-	0.3076	-
3	1851.5 ~ 1913.5	0.3846	-	0.3214	-
5	1852.5 ~ 1912.5	0.4074	-	0.3443	-
10	1855.0 ~ 1910.0	0.4150	-	0.3404	-
15	1857.5 ~ 1907.5	0.4365	-	0.3459	-
20	1860.0 ~ 1905.0	0.4335	-	0.3837	-
LTE Band 4		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1754.3	0.4406	-	0.3475	-
3	1711.5 ~ 1753.5	0.4325	-	0.3648	-
5	1712.5 ~ 1752.5	0.4325	-	0.3614	-
10	1715.0 ~ 1750.0	0.4305	-	0.3614	-
15	1717.5 ~ 1747.5	0.4677	-	0.3819	-
20	1720.0 ~ 1745.0	0.4677	-	0.3793	-
LTE Band 5		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.0335	-	0.0269	-
3	825.5 ~ 847.5	0.0336	-	0.0269	-
5	826.5 ~ 846.5	0.0333	-	0.0278	-
10	829.0 ~ 844.0	0.0336	-	0.0284	-



LTE Band 7		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2502.5 ~ 2567.5	0.3589	-	0.2924	-
10	2505.0 ~ 2565.0	0.3631	-	0.3041	-
15	2507.5 ~ 2562.5	0.3698	-	0.3055	-
20	2510.0 ~ 2560.0	0.3767	-	0.3289	-
LTE Band 12		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	699.7 ~ 715.3	0.1002	-	0.0785	-
3	700.5 ~ 714.5	0.0845	-	0.0729	-
5	701.5 ~ 713.5	0.0925	-	0.0769	-
10	704.0 ~ 711.0	0.0889	-	0.0755	-
LTE Band 13		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	779.5 ~ 784.5	0.0551	-	0.0478	-
10	782.0	0.0592	-	0.0480	-
LTE Band 26		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.0382	-	0.0286	-
3	825.5 ~ 847.5	0.0339	-	0.0286	-
5	826.5 ~ 846.5	0.0335	-	0.0279	-
10	829.0 ~ 844.0	0.0329	-	0.0277	-
15	831.5 ~ 841.5	0.0329	-	0.0264	-
CH26790	821.5	0.0330	-	0.0288	-
LTE Band 38		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2572.5 ~ 2617.5	0.3404	-	0.2799	-
10	2575.0 ~ 2615.0	0.3296	-	0.2570	-
15	2577.5 ~ 2612.5	0.3483	-	0.2735	-
20	2580.0 ~ 2610.0	0.3516	-	0.2844	-



LTE Band 41		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2498.5 ~ 2687.5	0.3436	-	0.2761	-
10	2501.0 ~ 2685.0	0.3381	-	0.2698	-
15	2503.5 ~ 2682.5	0.3750	-	0.2871	-
20	2506.0 ~ 2680.0	0.3631	-	0.3041	-
LTE Band 66		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1779.3	0.4395	-	0.3540	-
3	1711.5 ~ 1778.5	0.4416	-	0.3750	-
5	1712.5 ~ 1777.5	0.4457	-	0.3690	-
10	1715.0 ~ 1775.0	0.4477	-	0.3673	-
15	1717.5 ~ 1772.5	0.4753	-	0.3917	-
20	1720.0 ~ 1770.0	0.4955	-	0.4207	-

1.7 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS TH01-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH04-KS	AUDIX	E3	210616
2.	TH01-KS	SPORTON	FCC LTE_Ver2.0 Auto_china_210503	2.0

1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 22(H), 24(E), 27(L), 27(F), 27(H), 27(M)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

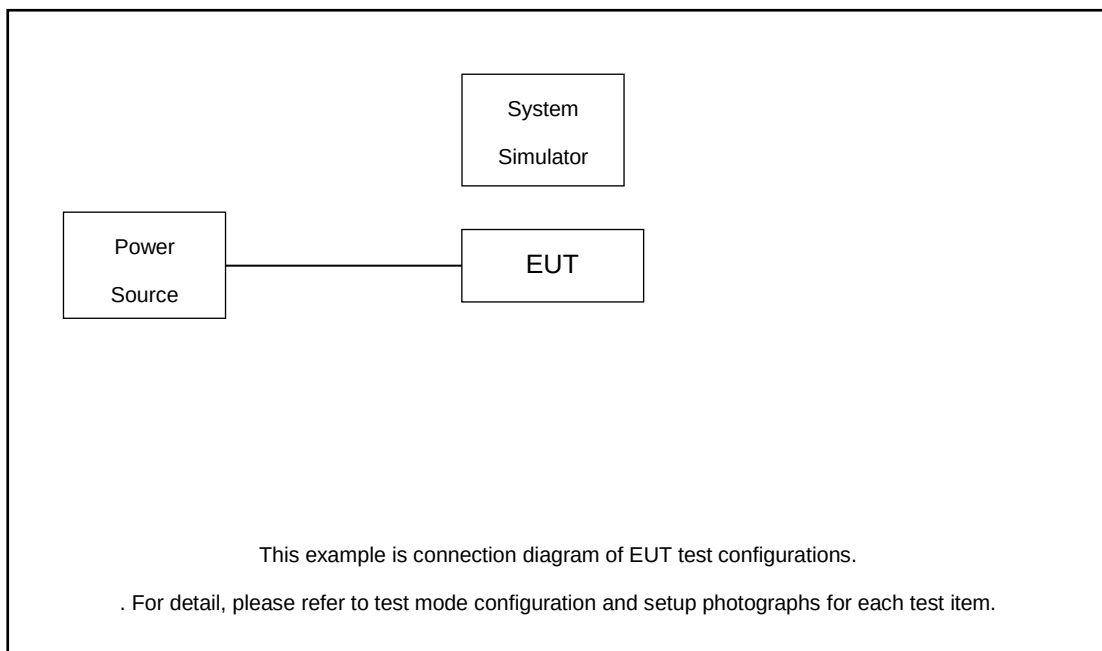
2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	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
	5	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
	12	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v
	13	-	-	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
	26	v	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
	41	-	-	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
E.R.P / E.I.R.P	2	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
	5	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
	12	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v
	13	-	-	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
	26	v	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
	41	-	-	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
Radiated Spurious Emission	7	Worst Case														v
	13	Worst Case													v	
Note	1.	The mark "v" means that this configuration is chosen for testing														
	2.	The mark "-" means that this bandwidth is not supported.														
	3.	The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.														

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m



2.4 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3



LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5



LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3



LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829	836.5	844
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580	2595	2610
15	Channel	37825	38000	38175
	Frequency	2577.5	2595	2612.5
10	Channel	37800	38000	38200
	Frequency	2575	2595	2615
5	Channel	37775	38000	38225
	Frequency	2572.5	2595	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5



LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3

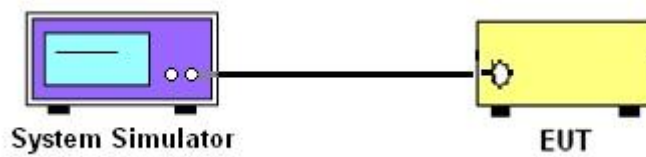
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26.

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 and Band 7 and Band 38 and Band 41.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

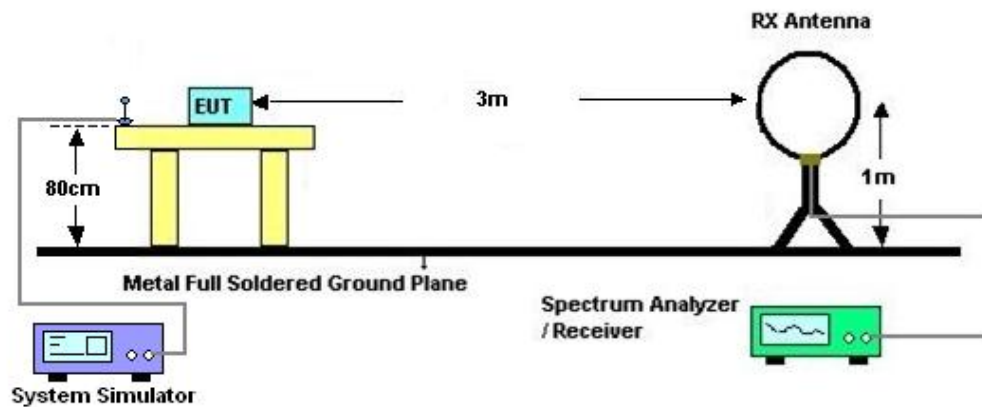
4 Radiated Test Items

4.1 Measuring Instruments

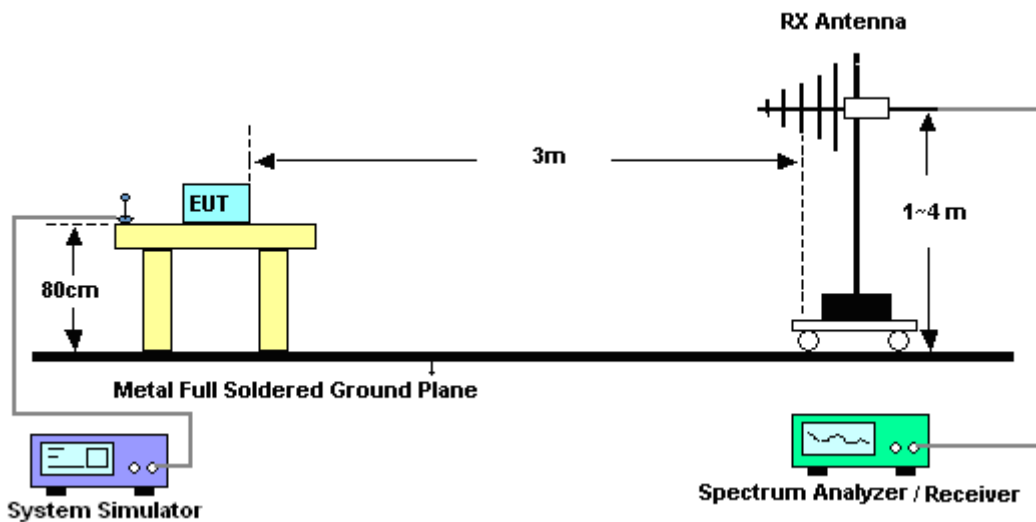
See list of measuring instruments of this test report.

4.2 Test Setup

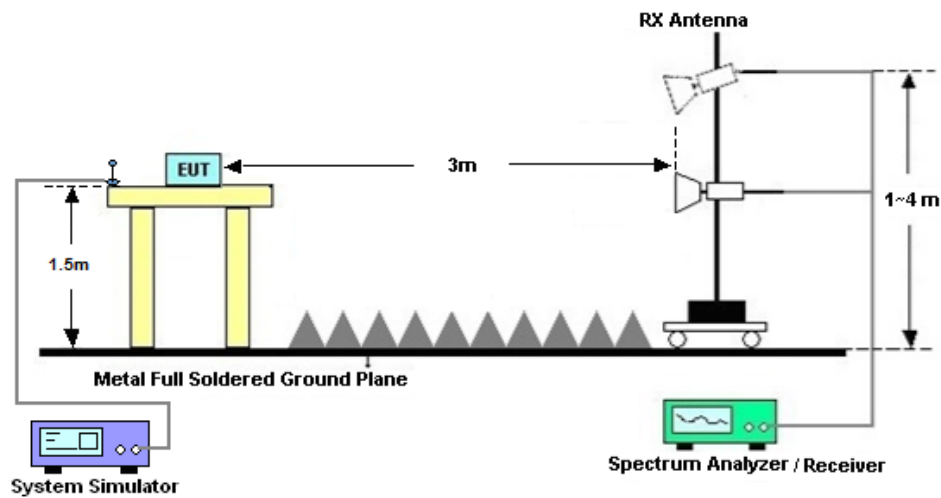
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.



4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7/38/41:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
11. $\text{ERP (dBm)} = \text{EIRP} - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
= $P(W) - [43 + 10\log(P)]$ (dB)
= $[30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
= -13dBm .

13. For Band 7:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 10, 2025	Jun. 24, 2026	Oct. 09, 2026	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Nov. 22, 2025	Jun. 24, 2026	Nov. 21, 2026	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227860	1GHz~18GHz	Aug. 22, 2025	Jun. 24, 2026	Aug. 21, 2026	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 10, 2026	Jun. 24, 2026	Jan. 09, 2027	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380826	9KHz-1GHz	Jul. 02, 2025	Jun. 24, 2026	Jul. 01, 2026	Radiation (03CH04-KS)
Amplifier	EM	EM18G40G A	060852	18~40GHz	Dec. 24, 2025	Jun. 24, 2026	Dec. 23, 2026	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060890	1Ghz-18Ghz	Feb. 09, 2026	Jun. 24, 2026	Feb. 08, 2027	Radiation (03CH04-KS)
Amplifier	EM	EM01G18G A	060892	1Ghz-18Ghz	Oct. 11, 2025	Jun. 24, 2026	Oct. 10, 2026	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jun. 24, 2026	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jun. 24, 2026	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jun. 24, 2026	NCR	Radiation (03CH04-KS)
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Jul. 07, 2025	Jun. 23, 2026	Jul. 06, 2026	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Jun. 23, 2026	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 02, 2025	Jun. 23, 2026	Jul. 01, 2026	Conducted (TH01-KS)

NCR: No Calibration Required



6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±1.30 dB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.77 dB
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Uncertainty of Radiated Emission Measurement (1GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.77 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.77 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Simle Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and ERP/EIRP

Conducted power unit: dBm

ERP/EIRP unit: W

Frequency unit: MHz

EIRP= Conducted Power + Gain

ERP= Conducted Power + Gain – 2.15

LTE Band 2, with antenna gain 2.9 dBi

1.4MHz				Conducted Power	EIRP
QPSK	1850.7	1	0	22.69	0.3622
			2	22.8	0.3715
			5	22.71	0.3639
		3	0	22.62	0.3565
			2	22.61	0.3556
			3	22.7	0.3631
		6	0	21.82	0.2965
	1880	1	0	22.75	0.3673
			2	22.72	0.3648
			5	22.74	0.3664
		3	0	22.79	0.3707
			2	22.78	0.3698
			3	22.76	0.3681
		6	0	21.88	0.3006
	1909.3	1	0	22.77	0.3690
			2	22.81	0.3724
			5	22.91	0.3811
		3	0	22.68	0.3614
			2	22.92	0.3819
			3	22.94	0.3837
		6	0	21.94	0.3048
16QAM	1850.7	1	0	21.84	0.2979
			2	21.83	0.2972
			5	21.8	0.2951
		3	0	21.76	0.2924
			2	21.73	0.2904
			3	21.68	0.2871
		6	0	20.73	0.2307
	1880	1	0	21.78	0.2938



			2	21.74	0.2911	
			5	21.69	0.2877	
			3	0	21.97	0.3069
				2	21.95	0.3055
				3	21.92	0.3034
		6	0	20.8	0.2344	
		1909.3	1	0	21.96	0.3062
				2	22.04	0.3119
				5	22.17	0.3214
	3		0	21.82	0.2965	
			2	21.95	0.3055	
			3	21.98	0.3076	
	6		0	21	0.2455	
3MHz						
QPSK	1851.5	1	0	22.47	0.3443	
			7	22.62	0.3565	
			14	22.39	0.3381	
		8	0	21.57	0.2799	
			4	21.59	0.2812	
			7	21.51	0.2761	
		15	0	21.53	0.2773	
		1880	1	0	22.75	0.3673
				7	22.75	0.3673
				14	22.42	0.3404
	8		0	21.77	0.2931	
			4	21.77	0.2931	
			7	21.67	0.2864	
	15	0	21.69	0.2877		
	1908.5	1	0	22.23	0.3258	
			7	22.54	0.3499	
			14	22.63	0.3573	
		8	0	21.38	0.2679	
			4	21.52	0.2767	
			7	21.6	0.2818	
		15	0	21.59	0.2812	
16QAM	1851.5	1	0	21.83	0.2972	
			7	21.92	0.3034	
			14	21.72	0.2897	
		8	0	20.69	0.2286	
			4	20.72	0.2301	
			7	20.64	0.2259	
		15	0	20.57	0.2223	
	1880	1	0	21.82	0.2965	
			7	21.84	0.2979	
			14	21.51	0.2761	
8	0	20.79	0.2339			
	4	20.77	0.2328			



	1908.5	15	7	20.7	0.2291
			0	20.67	0.2275
		1	0	21.17	0.2553
			7	21.53	0.2773
			14	21.61	0.2825
		8	0	20.57	0.2223
			4	20.73	0.2307
			7	20.81	0.2350
		15	0	20.71	0.2296
		5MHz			
QPSK	1852.5	1	0	22.68	0.3614
			13	22.56	0.3516
			24	22.67	0.3606
		12	0	21.76	0.2924
			6	21.7	0.2884
			13	21.72	0.2897
		25	0	21.73	0.2904
	1880	1	0	23.08	0.3963
			13	22.84	0.3750
			24	22.67	0.3606
		12	0	21.99	0.3083
			6	21.91	0.3027
			13	21.79	0.2944
		25	0	21.92	0.3034
	1907.5	1	0	22.33	0.3334
			13	22.45	0.3428
			24	22.84	0.3750
		12	0	21.36	0.2667
			6	21.45	0.2723
			13	21.64	0.2844
		25	0	21.5	0.2754
16QAM	1852.5	1	0	22.01	0.3097
			13	21.94	0.3048
			24	21.95	0.3055
		12	0	20.83	0.2360
			6	20.78	0.2333
			13	20.82	0.2355
		25	0	20.83	0.2360
	1880	1	0	22.25	0.3273
			13	22.04	0.3119
			24	21.88	0.3006
		12	0	20.99	0.2449
			6	20.91	0.2404
			13	20.81	0.2350
		25	0	20.94	0.2421
	1907.5	1	0	21.57	0.2799
			13	21.7	0.2884



			24	22.12	0.3177
		12	0	20.45	0.2163
			6	20.56	0.2218
			13	20.75	0.2317
		25	0	20.64	0.2259
10MHz					
QPSK	1855	1	0	22.73	0.3656
			25	22.66	0.3597
			49	22.87	0.3776
		25	0	21.78	0.2938
			13	21.77	0.2931
			25	21.82	0.2965
		50	0	21.78	0.2938
	1880	1	0	23.35	0.4217
			25	22.89	0.3793
			49	22.71	0.3639
		25	0	22.18	0.3221
			13	21.96	0.3062
			25	21.83	0.2972
		50	0	22.03	0.3112
	1905	1	0	22.97	0.3864
			25	22.22	0.3251
			49	22.77	0.3690
		25	0	21.52	0.2767
			13	21.32	0.2642
			25	21.45	0.2723
		50	0	21.52	0.2767
16QAM	1855	1	0	22.15	0.3199
			25	21.97	0.3069
			49	22.2	0.3236
		12	0	21.87	0.2999
			19	21.82	0.2965
			38	21.96	0.3062
		27	0	20.86	0.2377
	1880	1	0	22.4	0.3388
			25	21.95	0.3055
			49	21.79	0.2944
		12	0	22.29	0.3304
			19	21.94	0.3048
			38	21.81	0.2958
		27	0	21.18	0.2559
	1905	1	0	21.82	0.2965
			25	21.11	0.2518
			49	21.67	0.2864
		12	0	21.78	0.2938
			19	21.37	0.2673
			38	21.67	0.2864



		27	23	20.52	0.2198	
15MHz						
QPSK	1857.5	1	0	22.69	0.3622	
			38	22.8	0.3715	
			74	22.98	0.3873	
		36	0	21.79	0.2944	
			18	21.87	0.2999	
			39	22.01	0.3097	
		75	0	21.9	0.3020	
		1880	1	0	23.32	0.4188
				38	22.91	0.3811
	74			22.7	0.3631	
	36		0	22.25	0.3273	
			18	22.06	0.3133	
			79	21.81	0.2958	
	75	0	22	0.3090		
	1902.5	1	0	23.67	0.4539	
			38	22.7	0.3631	
			74	22.73	0.3656	
		36	0	22.27	0.3289	
			38	21.76	0.2924	
			39	21.48	0.2742	
		75	0	21.95	0.3055	
16QAM		1857.5	1	0	21.77	0.2931
	38			21.88	0.3006	
	74			22.04	0.3119	
	12		0	21.79	0.2944	
			31	21.88	0.3006	
			63	22.05	0.3126	
	27		0	20.87	0.2382	
	1880		1	0	22.31	0.3319
				38	22	0.3090
		74		21.72	0.2897	
		12	0	22.35	0.3350	
			31	22.03	0.3112	
			63	21.75	0.2917	
	27	0	21.34	0.2655		
	1902.5	1	0	22.61	0.3556	
			38	21.64	0.2844	
			74	21.75	0.2917	
		12	0	22.48	0.3451	
			31	21.61	0.2825	
			63	21.52	0.2767	
		27	48	20.57	0.2223	
20MHz						
QPSK	1860	1	0	22.39	0.3381	
			50	23.42	0.4285	



		50	99	23.27	0.4140
			0	22.25	0.3273
			25	22.31	0.3319
			50	22.4	0.3388
		100	0	22.32	0.3327
	1880	1	0	23.62	0.4487
			50	23.19	0.4064
			99	22.98	0.3873
		50	0	22.55	0.3508
			25	22.26	0.3281
			50	22.01	0.3097
		100	0	22.21	0.3243
	1900	1	0	23.62	0.4487
			50	23.5	0.4365
			99	23.16	0.4036
		50	0	22.75	0.3673
			25	22.54	0.3499
			50	22.11	0.3170
		100	0	22.51	0.3475
16QAM	1860	1	0	22.65	0.3589
			50	22.84	0.3750
			99	22.76	0.3681
		12	0	22.35	0.3350
			44	22.4	0.3388
			88	22.42	0.3404
		27	0	21.4	0.2692
	1880	1	0	23.06	0.3945
			50	22.74	0.3664
			99	22.48	0.3451
		12	0	22.66	0.3597
			44	22.3	0.3311
			88	22.03	0.3112
		27	0	21.65	0.2851
	1900	1	0	22.97	0.3864
			50	22.87	0.3776
			99	22.6	0.3548
		12	0	22.72	0.3648
			44	22.48	0.3451
			88	22.07	0.3141
		27	73	21.08	0.2500

LTE Band 4, with antenna gain 3.22 dBi

1.4MHz				Conducted power	EIRP
QPSK	1710.7	1	0	23.09	0.4276
			2	23.22	0.4406
			5	23.16	0.4345
		3	0	23.03	0.4217



	1732.5	6	2	23.01	0.4198	
			3	23.12	0.4305	
			0	22.12	0.3420	
		1	0	23.04	0.4227	
			2	23.1	0.4285	
			5	23.05	0.4236	
			3	0	22.89	0.4083
				2	22.91	0.4102
				3	23.03	0.4217
	6	0	21.99	0.3319		
	1754.3	1	0	22.96	0.4150	
			2	23.02	0.4207	
			5	23.08	0.4266	
		3	0	22.91	0.4102	
			2	22.99	0.4178	
			3	23.02	0.4207	
		6	0	22.01	0.3334	
16QAM		1710.7	1	0	22.14	0.3436
				2	22.18	0.3467
	5			22.19	0.3475	
	3		0	22.19	0.3475	
			2	22.16	0.3451	
			3	22.16	0.3451	
	6		0	21.15	0.2735	
	1732.5		1	0	21.98	0.3311
				2	22	0.3327
		5		22.14	0.3436	
		3	0	22.03	0.3350	
			2	22.04	0.3357	
			3	22.04	0.3357	
		6	0	21.15	0.2735	
	1754.3	1	0	21.81	0.3184	
			2	21.85	0.3214	
			5	21.93	0.3273	
		3	0	22.04	0.3357	
			2	22.11	0.3412	
			3	22.12	0.3420	
		6	0	21.04	0.2667	
3MHz						
QPSK		1711.5	1	0	23.03	0.4217
	7			23.14	0.4325	
	14			22.88	0.4074	
	8		0	22.04	0.3357	
			4	22.08	0.3388	
			7	21.99	0.3319	
	15		0	22	0.3327	
	1732.5		1	0	22.86	0.4055



			7	23.01	0.4198	
			14	22.89	0.4083	
			8	0	21.79	0.3170
				4	21.88	0.3236
				7	21.86	0.3221
		15	0	21.8	0.3177	
		1753.5	1	0	22.73	0.3936
				7	22.88	0.4074
				14	22.79	0.3990
			8	0	21.81	0.3184
	4			21.87	0.3228	
	7	21.87	0.3228			
	15	0	21.84	0.3206		
	16QAM	1711.5	1	0	22.25	0.3524
				7	22.4	0.3648
14				22.26	0.3532	
8			0	21.22	0.2780	
			4	21.28	0.2818	
			7	21.08	0.2692	
15			0	21.12	0.2716	
1732.5		1	0	21.74	0.3133	
			7	21.94	0.3281	
			14	21.82	0.3192	
		8	0	20.89	0.2576	
			4	20.98	0.2630	
			7	20.98	0.2630	
15		0	20.89	0.2576		
1753.5		1	0	21.62	0.3048	
			7	21.76	0.3148	
			14	21.68	0.3090	
		8	0	20.91	0.2588	
			4	20.96	0.2618	
			7	20.94	0.2606	
	15	0	20.94	0.2606		
5MHz						
QPSK	1712.5	1	0	23.14	0.4325	
			13	23	0.4188	
			24	22.91	0.4102	
		12	0	21.98	0.3311	
			6	22.02	0.3342	
			13	21.95	0.3289	
		25	0	22.01	0.3334	
	1732.5	1	0	23	0.4188	
			13	23.01	0.4198	
			24	23.05	0.4236	
12	0	21.89	0.3243			
	6	21.91	0.3258			



			13	21.98	0.3311
		25	0	21.92	0.3266
	1752.5	1	0	22.79	0.3990
			13	22.83	0.4027
			24	22.94	0.4130
		12	0	21.91	0.3258
			6	21.9	0.3251
			13	21.95	0.3289
		25	0	21.92	0.3266
		16QAM	1712.5	1	0
13	22.25				0.3524
24	22.18				0.3467
12	0			21.27	0.2812
	6			21.17	0.2748
	13			21.11	0.2710
25	0			21.18	0.2754
1732.5	1		0	22.05	0.3365
			13	22.11	0.3412
			24	22.15	0.3443
	12		0	20.98	0.2630
			6	20.99	0.2636
			13	21.1	0.2704
	25		0	21.04	0.2667
1752.5	1		0	22.11	0.3412
			13	22.17	0.3459
			24	22.29	0.3556
	12		0	21	0.2642
		6	21	0.2642	
		13	21.05	0.2673	
	25	0	21.05	0.2673	
10MHz					
QPSK	1715	1	0	23.12	0.4305
			25	23.02	0.4207
			49	22.79	0.3990
		25	0	21.99	0.3319
			13	21.85	0.3214
			25	21.75	0.3141
		50	0	21.84	0.3206
	1732.5	1	0	22.88	0.4074
			25	23	0.4188
			49	22.99	0.4178
		25	0	21.83	0.3199
			13	21.9	0.3251
			25	21.93	0.3273
		50	0	21.89	0.3243
	1750	1	0	22.7	0.3908
			25	22.96	0.4150



		25	49	23.11	0.4295	
			0	21.88	0.3236	
			13	22	0.3327	
			25	22.09	0.3396	
		50	0	21.99	0.3319	
16QAM	1715	1	0	22.36	0.3614	
			25	22.19	0.3475	
			49	21.97	0.3304	
		12	0	22.11	0.3412	
			19	21.91	0.3258	
			38	21.82	0.3192	
		27	0	21.11	0.2710	
		1732.5	1	0	21.79	0.3170
				25	21.95	0.3289
	49			21.95	0.3289	
	12		0	21.79	0.3170	
			19	21.88	0.3236	
			38	21.89	0.3243	
	27		0	20.95	0.2612	
	1750	1	0	21.61	0.3041	
			25	21.86	0.3221	
			49	22.02	0.3342	
		12	0	21.92	0.3266	
			19	22.04	0.3357	
			38	22.18	0.3467	
		27	23	21.25	0.2799	
15MHz						
QPSK	1717.5	1	0	23.48	0.4677	
			38	23.18	0.4365	
			74	22.94	0.4130	
		36	0	22.03	0.3350	
			18	21.9	0.3251	
			39	21.75	0.3141	
		75	0	21.84	0.3206	
	1732.5	1	0	22.82	0.4018	
			38	23.08	0.4266	
			74	22.94	0.4130	
		36	0	21.93	0.3273	
			18	22	0.3327	
			79	22.01	0.3334	
		75	0	21.92	0.3266	
	1747.5	1	0	22.55	0.3776	
			38	23.05	0.4236	
			74	23.17	0.4355	
		36	0	21.79	0.3170	
			38	21.95	0.3289	
			39	22.15	0.3443	



		75	0	21.95	0.3289	
16QAM	1717.5	1	0	22.08	0.3388	
			38	21.85	0.3214	
			74	21.61	0.3041	
			0	22.17	0.3459	
		12	31	21.97	0.3304	
			63	21.73	0.3126	
			27	0	21.25	0.2799
		1732.5	1	0	21.7	0.3105
				38	22.14	0.3436
	74			22.06	0.3373	
	12		0	21.8	0.3177	
			31	22.04	0.3357	
			63	22	0.3327	
	27		0	21	0.2642	
	1747.5	1	0	21.93	0.3273	
			38	22.44	0.3681	
			74	22.6	0.3819	
		12	0	21.79	0.3170	
			31	22.14	0.3436	
			63	22.28	0.3548	
		27	48	21.27	0.2812	
20MHz						
QPSK	1720	1	0	23.14	0.4325	
			50	22.79	0.3990	
			99	22.9	0.4093	
		50	0	21.95	0.3289	
			25	21.75	0.3141	
			50	21.7	0.3105	
		100	0	21.77	0.3155	
		1732.5	1	0	22.73	0.3936
				50	23.06	0.4246
	99			23	0.4188	
	50		0	21.89	0.3243	
			25	22.02	0.3342	
			50	22.05	0.3365	
	100		0	21.92	0.3266	
	1745	1	0	22.92	0.4111	
			50	23.16	0.4345	
			99	23.48	0.4677	
		50	0	22.05	0.3365	
			25	22.24	0.3516	
			50	22.43	0.3673	
		100	0	22.22	0.3499	
16QAM	1720	1	0	22.46	0.3698	
			50	22.14	0.3436	
			99	22.18	0.3467	



		12	0	22.01	0.3334
			44	21.79	0.3170
			88	21.85	0.3214
		27	0	21.19	0.2761
			0	22.04	0.3357
			50	22.53	0.3758
	1732.5	1	99	22.54	0.3767
			0	21.79	0.3170
			44	22.07	0.3381
		12	88	22.12	0.3420
			0	20.87	0.2564
			0	22	0.3327
	1745	1	50	22.21	0.3491
			99	22.57	0.3793
			0	21.98	0.3311
		12	44	22.1	0.3404
			88	22.52	0.3750
			73	21.62	0.3048

LTE Band 5, with antenna gain -5.87 dBi

1.4MHz				Conducted power	ERP
QPSK	824.7	1	0	23.04	0.0318
			2	23.04	0.0318
			5	22.85	0.0304
		3	0	22.99	0.0314
			2	22.93	0.0310
			3	22.96	0.0312
		6	0	22.03	0.0252
	836.5	1	0	23.06	0.0319
			2	23.11	0.0323
			5	23.01	0.0316
		3	0	22.97	0.0313
			2	22.95	0.0311
			3	23	0.0315
		6	0	22.06	0.0254
	848.3	1	0	23.27	0.0335
			2	23.18	0.0328
			5	23.17	0.0327
		3	0	23.23	0.0332
			2	23.15	0.0326
			3	23.12	0.0324
		6	0	22.21	0.0262
16QAM	824.7	1	0	22.14	0.0258
			2	22.18	0.0261
			5	22.08	0.0255
		3	0	21.99	0.0249
			2	22	0.0250



			3	21.93	0.0246	
		6	0	21.22	0.0209	
		836.5	1	0	22.06	0.0254
				2	22.09	0.0255
	5			22.06	0.0254	
	3		0	21.97	0.0248	
			2	21.98	0.0249	
			3	21.95	0.0247	
	6	0	21.07	0.0202		
	848.3	1	0	22.12	0.0257	
			2	22.05	0.0253	
			5	21.98	0.0249	
		3	0	22.32	0.0269	
			2	22.27	0.0266	
			3	22.22	0.0263	
		6	0	21.14	0.0205	
3MHz						
QPSK	825.5	1	0	22.91	0.0308	
			7	23.02	0.0316	
			14	22.8	0.0301	
		8	0	21.97	0.0248	
			4	21.93	0.0246	
			7	21.87	0.0243	
		15	0	21.92	0.0245	
	836.5	1	0	22.89	0.0307	
			7	23.13	0.0324	
			14	22.85	0.0304	
		8	0	22	0.0250	
			4	22.03	0.0252	
			7	21.97	0.0248	
		15	0	21.97	0.0248	
	847.5	1	0	23.18	0.0328	
			7	23.28	0.0336	
			14	22.89	0.0307	
		8	0	22.23	0.0264	
			4	22.24	0.0264	
			7	22.13	0.0258	
		15	0	22.16	0.0259	
16QAM	825.5	1	0	22.25	0.0265	
			7	22.31	0.0269	
			14	22.21	0.0262	
		8	0	21.14	0.0205	
			4	20.98	0.0198	
			7	20.92	0.0195	
		15	0	20.89	0.0194	
	836.5	1	0	21.95	0.0247	
			7	22.12	0.0257	



		8	14	21.82	0.0240
			0	21.07	0.0202
			4	21.1	0.0203
			7	21.05	0.0201
		15	0	20.99	0.0198
	847.5	1	0	21.92	0.0245
			7	22.13	0.0258
			14	21.76	0.0237
		8	0	21.16	0.0206
			4	21.23	0.0209
			7	21.1	0.0203
		15	0	21.16	0.0206
5MHz					
QPSK	826.5	1	0	23.15	0.0326
			13	23.09	0.0321
			24	22.97	0.0313
		12	0	22.12	0.0257
			6	22.08	0.0255
			13	22.02	0.0251
		25	0	22.05	0.0253
	836.5	1	0	23.03	0.0317
			13	23.01	0.0316
			24	22.89	0.0307
		12	0	21.96	0.0248
			6	21.94	0.0247
			13	21.9	0.0244
		25	0	21.93	0.0246
	846.5	1	0	23.11	0.0323
			13	23.25	0.0333
			24	23.04	0.0318
		12	0	22.05	0.0253
			6	22.13	0.0258
			13	22.13	0.0258
		25	0	22.1	0.0256
16QAM	826.5	1	0	22.46	0.0278
			13	22.33	0.0270
			24	22.26	0.0265
		12	0	21.14	0.0205
			6	21.1	0.0203
			13	21.05	0.0201
		25	0	21.1	0.0203
	836.5	1	0	22.13	0.0258
			13	22.13	0.0258
			24	22.03	0.0252
		12	0	21.01	0.0199
			6	21	0.0199
			13	20.98	0.0198



		25	0	20.99	0.0198	
	846.5	1	0	22.19	0.0261	
			13	22.37	0.0272	
			24	22.22	0.0263	
			0	21.18	0.0207	
		12	6	21.28	0.0212	
			13	21.27	0.0211	
			25	0	21.3	0.0213
10MHz						
QPSK	829	1	0	23.28	0.0336	
			25	22.96	0.0312	
			49	23.02	0.0316	
		25	0	22.07	0.0254	
			13	21.96	0.0248	
			25	21.94	0.0247	
		50	0	22.02	0.0251	
	836.5	1	0	22.94	0.0310	
			25	23.04	0.0318	
			49	22.89	0.0307	
		25	0	21.88	0.0243	
			13	21.94	0.0247	
			25	21.88	0.0243	
		50	0	21.9	0.0244	
	844	1	0	23.11	0.0323	
			25	23.18	0.0328	
			49	23.22	0.0331	
		25	0	21.95	0.0247	
			13	22.06	0.0254	
			25	22.21	0.0262	
		50	0	22.14	0.0258	
	16QAM	829	1	0	22.55	0.0284
				25	22.29	0.0267
				49	22.35	0.0271
12			0	22.2	0.0262	
			19	22.04	0.0252	
			38	22.06	0.0254	
27			0	21.02	0.0200	
836.5		1	0	21.9	0.0244	
			25	22.03	0.0252	
			49	21.89	0.0244	
		12	0	21.89	0.0244	
			19	21.95	0.0247	
			38	21.85	0.0242	
		27	0	21.02	0.0200	
844		1	0	21.9	0.0244	
			25	21.89	0.0244	
			49	22.11	0.0256	



		12	0	22.01	0.0251
			19	22.11	0.0256
			38	22.4	0.0274
		27	23	21.5	0.0223

LTE Band 7, with antenna gain 2.36 dBi

5MHz				Conducted power	EIRP
QPSK	2502.5	1	0	22.96	0.3404
			13	23.06	0.3483
			24	23.06	0.3483
		12	0	22.09	0.2786
			6	22.18	0.2844
			13	22.11	0.2799
		25	0	22.11	0.2799
	2535	1	0	23.19	0.3589
			13	23.16	0.3565
			24	23.15	0.3556
		12	0	22.25	0.2891
			6	22.25	0.2891
			13	22.23	0.2877
		25	0	22.23	0.2877
	2567.5	1	0	22.81	0.3289
			13	22.87	0.3334
			24	22.78	0.3266
		12	0	21.89	0.2661
			6	21.88	0.2655
			13	21.87	0.2649
		25	0	21.85	0.2636
16QAM	2502.5	1	0	22.04	0.2754
			13	22.07	0.2773
			24	22	0.2729
		12	0	21.06	0.2198
			6	21.16	0.2249
			13	21.18	0.2259
		25	0	21.06	0.2198
	2535	1	0	22.29	0.2917
			13	22.27	0.2904
			24	22.3	0.2924
		12	0	21.15	0.2244
			6	21.15	0.2244
			13	21.15	0.2244
		25	0	21.15	0.2244
	2567.5	1	0	22.1	0.2793
			13	22.11	0.2799
			24	22.01	0.2735



		12	0	20.98	0.2158
			6	20.98	0.2158
			13	20.97	0.2153
		25	0	20.85	0.2094
10MHz					
QPSK	2505	1	0	23.18	0.3581
			25	23.07	0.3491
			49	22.78	0.3266
		25	0	22.28	0.2911
			13	22.12	0.2805
			25	21.95	0.2698
		50	0	22.1	0.2793
	2535	1	0	23.12	0.3532
			25	23.24	0.3631
			49	23.24	0.3631
		25	0	22.28	0.2911
			13	22.24	0.2884
			25	22.25	0.2891
		50	0	22.24	0.2884
	2565	1	0	23.03	0.3459
			25	23.02	0.3451
			49	22.88	0.3342
		25	0	22.06	0.2767
			13	22.09	0.2786
			25	22.07	0.2773
		50	0	22.08	0.2780
16QAM	2505	1	0	22.47	0.3041
			25	22.32	0.2938
			49	22.06	0.2767
		12	0	22.33	0.2944
			19	22.27	0.2904
			38	22.02	0.2742
		27	0	21.3	0.2323
	2535	1	0	22.32	0.2938
			25	22.28	0.2911
			49	22.29	0.2917
		12	0	22.18	0.2844
			19	22.14	0.2818
			38	22.16	0.2831
		27	0	21.15	0.2244
	2565	1	0	22.08	0.2780
			25	22.12	0.2805
			49	22.01	0.2735
		12	0	22.06	0.2767
			19	22.08	0.2780
			38	22.04	0.2754
		27	23	21.13	0.2234



15MHz					
QPSK	2507.5	1	0	23.3	0.3681
			38	22.87	0.3334
			74	22.64	0.3162
		36	0	22.24	0.2884
			18	22.02	0.2742
			39	21.85	0.2636
		75	0	22.03	0.2748
	2535	1	0	23.19	0.3589
			38	23.32	0.3698
			74	23.24	0.3631
		36	0	22.27	0.2904
			18	22.27	0.2904
			79	22.36	0.2965
	75	0	22.34	0.2951	
	2562.5	1	0	23.13	0.3540
			38	23.25	0.3639
			74	23.27	0.3656
		36	0	22.16	0.2831
			38	22.23	0.2877
			39	22.23	0.2877
		75	0	22.16	0.2831
16QAM	2507.5	1	0	22.49	0.3055
			38	22.13	0.2812
			74	21.94	0.2692
		12	0	22.36	0.2965
			31	22	0.2729
			63	21.82	0.2618
		27	0	21.24	0.2291
	2535	1	0	22.3	0.2924
			38	22.38	0.2979
			74	22.34	0.2951
		12	0	22.29	0.2917
			31	22.33	0.2944
			63	22.31	0.2931
	27	0	21.19	0.2265	
	2562.5	1	0	22.07	0.2773
			38	22.26	0.2897
			74	22.32	0.2938
		12	0	22.17	0.2838
			31	22.28	0.2911
			63	22.27	0.2904
		27	48	21.3	0.2323
20MHz					
QPSK	2510	1	0	23.4	0.3767
			50	23.13	0.3540
			99	22.83	0.3304



		50	0	22.23	0.2877
			25	22.04	0.2754
			50	22.06	0.2767
		100	0	22.2	0.2858
	2535	1	0	23.01	0.3443
			50	23.13	0.3540
			99	22.99	0.3428
		50	0	22.25	0.2891
			25	22.27	0.2904
			50	22.38	0.2979
		100	0	22.36	0.2965
	2560	1	0	23.02	0.3451
			50	22.99	0.3428
			99	22.95	0.3396
		50	0	22.07	0.2773
			25	22.11	0.2799
			50	22.15	0.2825
		100	0	22.09	0.2786
16QAM	2510	1	0	22.81	0.3289
			50	22.48	0.3048
			99	22.23	0.2877
		12	0	22.46	0.3034
			44	22.06	0.2767
			88	21.85	0.2636
		27	0	21.36	0.2355
	2535	1	0	22.59	0.3126
			50	22.72	0.3221
			99	22.6	0.3133
		12	0	22.26	0.2897
			44	22.27	0.2904
			88	22.27	0.2904
		27	0	21.29	0.2317
	2560	1	0	22.24	0.2884
			50	22.27	0.2904
			99	22.27	0.2904
		12	0	21.95	0.2698
			44	21.95	0.2698
			88	22.04	0.2754
		27	73	21.21	0.2275

LTE Band 12, with antenna gain -1.73 dBi

1.4MHz				Conducted power	ERP
QPSK	699.7	1	0	23.08	0.0832
			2	23.02	0.0820
			5	23.2	0.0855
		3	0	23.03	0.0822
			2	23.06	0.0828



	707.5		3	23.04	0.0824	
			6	0	21.98	0.0646
		3	1	0	22.9	0.0798
				2	22.87	0.0793
				5	22.74	0.0769
			3	0	22.8	0.0780
				2	22.77	0.0774
				3	22.74	0.0769
			6	0	21.82	0.0622
		715.3	1	0	23.89	0.1002
	2			22.92	0.0802	
	5			22.71	0.0764	
	3		0	23.16	0.0847	
			2	22.83	0.0785	
			3	22.77	0.0774	
	6	0	22.05	0.0656		
16QAM	699.7	1	0	22.01	0.0650	
			2	21.98	0.0646	
			5	22.13	0.0668	
		3	0	21.96	0.0643	
			2	21.97	0.0644	
			3	21.99	0.0647	
		6	0	21.09	0.0526	
	707.5	1	0	21.75	0.0612	
			2	21.72	0.0608	
			5	21.62	0.0594	
		3	0	21.97	0.0644	
			2	21.95	0.0641	
			3	21.9	0.0634	
		6	0	20.86	0.0499	
	715.3	1	0	22.83	0.0785	
			2	21.77	0.0615	
			5	21.59	0.0590	
		3	0	22.4	0.0711	
			2	21.94	0.0640	
			3	21.86	0.0628	
		6	0	21.13	0.0531	
3MHz						
QPSK	700.5	1	0	23.01	0.0818	
			7	23.15	0.0845	
			14	23.02	0.0820	
		8	0	22.09	0.0662	
			4	22.13	0.0668	
			7	22.06	0.0658	
		15	0	22.06	0.0658	
	707.5	1	0	22.99	0.0815	
			7	22.89	0.0796	



		8	14	22.59	0.0743	
			0	21.91	0.0635	
			4	21.85	0.0627	
			7	21.74	0.0611	
			15	0	21.81	0.0621
		714.5	1	0	22.45	0.0719
				7	23.03	0.0822
				14	21.65	0.0598
			8	0	21.71	0.0607
				4	21.7	0.0605
	7	21.32		0.0555		
	15	0	21.48	0.0575		
	16QAM	700.5	1	0	22.29	0.0693
				7	22.51	0.0729
14				22.27	0.0690	
8			0	21.23	0.0543	
			4	21.28	0.0550	
			7	21.22	0.0542	
15			0	21.13	0.0531	
707.5			1	0	22.01	0.0650
				7	21.95	0.0641
				14	21.62	0.0594
		8	0	21	0.0515	
			4	20.92	0.0506	
			7	20.82	0.0494	
		15	0	20.85	0.0498	
714.5		1	0	21.26	0.0547	
			7	21.88	0.0631	
			14	20.48	0.0457	
		8	0	20.84	0.0497	
			4	20.84	0.0497	
			7	20.46	0.0455	
		15	0	20.62	0.0472	
	5MHz					
QPSK	701.5	1	0	23.3	0.0875	
			13	23.35	0.0885	
			24	23.54	0.0925	
		12	0	22.32	0.0698	
			6	22.3	0.0695	
			13	22.42	0.0714	
		25	0	22.36	0.0705	
	707.5	1	0	23.23	0.0861	
			13	22.86	0.0791	
			24	22.75	0.0771	
		12	0	22.11	0.0665	
			6	21.89	0.0632	
			13	21.79	0.0618	



	713.5	25	0	21.93	0.0638	
		1	0	22.87	0.0793	
			13	23.07	0.0830	
			24	22.31	0.0697	
			12	0	21.81	0.0621
		6		21.99	0.0647	
		13		21.95	0.0641	
		25	0	21.89	0.0632	
16QAM	701.5	1	0	22.53	0.0733	
			13	22.51	0.0729	
			24	22.74	0.0769	
		12	0	21.43	0.0569	
			6	21.43	0.0569	
			13	21.54	0.0583	
		25	0	21.49	0.0577	
		707.5	1	0	22.37	0.0706
				13	22.04	0.0655
	24			21.92	0.0637	
	12		0	21.17	0.0536	
			6	20.96	0.0511	
			13	20.86	0.0499	
	25	0	21	0.0515		
	713.5	1	0	21.99	0.0647	
			13	22.22	0.0682	
			24	21.47	0.0574	
		12	0	20.85	0.0498	
			6	21.04	0.0520	
			13	21.02	0.0518	
		25	0	21	0.0515	
		10MHz				
QPSK		704	1	0	23.07	0.0830
	25			23.37	0.0889	
	49			22.85	0.0789	
	25		0	22.21	0.0681	
			13	22.29	0.0693	
			25	22.15	0.0671	
	50		0	22.17	0.0675	
	707.5	1	0	23.31	0.0877	
			25	22.94	0.0805	
			49	22.99	0.0815	
		25	0	22.19	0.0678	
			13	21.96	0.0643	
			25	21.88	0.0631	
	50	0	22.03	0.0653		
	711	1	0	23.14	0.0843	
			25	22.95	0.0807	
			49	22.5	0.0728	



16QAM	704	25	0	21.88	0.0631
			13	21.95	0.0641
			25	22.16	0.0673
		50	0	22.04	0.0655
			0	22.44	0.0718
			25	22.66	0.0755
	707.5	1	49	22.16	0.0673
			0	22.24	0.0685
			19	22.42	0.0714
		12	38	22.09	0.0662
			0	21.25	0.0546
			0	22.32	0.0698
	711	1	25	21.96	0.0643
			49	22.02	0.0652
			0	22.27	0.0690
		12	19	21.94	0.0640
			38	21.94	0.0640
			0	21.27	0.0548
	711	1	0	21.98	0.0646
			25	21.81	0.0621
			49	21.39	0.0564
		12	0	21.99	0.0647
			19	22.01	0.0650
			38	22.35	0.0703
		27	23	21.28	0.0550

LTE Band 13, with antenna gain -4.31 dBi

5MHz				Conducted power	ERP
QPSK	779.5	1	0	23.87	0.0551
			13	23.53	0.0509
			24	22.86	0.0437
		12	0	23.36	0.0490
			6	22.82	0.0433
			13	22.1	0.0366
		25	0	22.78	0.0429
			0	23.48	0.0504
			13	22.98	0.0449
			24	23.48	0.0504
	782	12	0	22.12	0.0368
			6	22.03	0.0361
			13	22.3	0.0384
		25	0	22.2	0.0375
			0	22.62	0.0413
			13	23.16	0.0468
	784.5	1	24	22.72	0.0423
			0	21.96	0.0355
			6	22.15	0.0371



			13	22.08	0.0365	
		25	0	22.02	0.0360	
16QAM	779.5	1	0	23.25	0.0478	
			13	22.77	0.0428	
			24	22.12	0.0368	
		12	0	22.42	0.0394	
			6	21.84	0.0345	
			13	21.13	0.0293	
		25	0	21.84	0.0345	
		782	d	0	22.63	0.0414
				13	22.15	0.0371
	24			22.67	0.0418	
	12		0	21.05	0.0288	
			6	20.98	0.0283	
			13	21.26	0.0302	
	25		0	21.17	0.0296	
	784.5	1	0	21.93	0.0352	
			13	22.5	0.0402	
			24	22.07	0.0364	
		12	0	20.98	0.0283	
			6	21.17	0.0296	
			13	21.09	0.0290	
		25	0	21.08	0.0290	
	10MHz					
	QPSK	782	1	0	24.18	0.0592
25				23.04	0.0455	
49				23.24	0.0476	
25			0	22.79	0.0430	
			13	22.22	0.0377	
			25	22.41	0.0394	
50			0	22.61	0.0412	
16QAM	782		1	0	23.27	0.0480
				25	22.24	0.0378
		49		22.47	0.0399	
		12	0	23.24	0.0476	
			13	22.07	0.0364	
			25	22.52	0.0404	
		27	0	21.75	0.0338	

LTE Band 25, with antenna gain 2.9 dBi

1.4MHz				Conducted power	EIRP
QPSK	1850.7	1	0	23.04	0.3926
			2	23.04	0.3926
			5	22.96	0.3855
		3	0	22.86	0.3767
			2	22.85	0.3758
			3	22.79	0.3707



		6	0	21.87	0.2999
	1882.5	1	0	22.74	0.3664
			2	22.75	0.3673
			5	22.71	0.3639
			0	22.71	0.3639
		3	2	22.69	0.3622
			3	22.63	0.3573
			6	0	21.79
	1914.3	1	0	22.96	0.3855
			2	22.79	0.3707
			5	22.47	0.3443
		3	0	22.8	0.3715
			2	22.63	0.3573
			3	22.5	0.3467
		6	0	21.75	0.2917
16QAM	1850.7	1	0	21.71	0.2891
			2	21.71	0.2891
			5	21.72	0.2897
		3	0	21.94	0.3048
			2	21.96	0.3062
			3	21.91	0.3027
		6	0	20.95	0.2427
	1882.5	1	0	21.94	0.3048
			2	21.97	0.3069
			5	21.93	0.3041
		3	0	21.8	0.2951
			2	21.84	0.2979
			3	21.78	0.2938
		6	0	20.91	0.2404
	1914.3	1	0	21.98	0.3076
			2	21.84	0.2979
			5	21.56	0.2793
		3	0	21.89	0.3013
			2	21.72	0.2897
			3	21.59	0.2812
		6	0	20.76	0.2323
3MHz					
QPSK	1851.5	1	0	22.64	0.3581
			7	22.83	0.3741
			14	22.61	0.3556
		8	0	21.78	0.2938
			4	21.83	0.2972
			7	21.76	0.2924
		15	0	21.76	0.2924
	1882.5	1	0	22.59	0.3540
			7	22.65	0.3589
			14	22.35	0.3350



		8	0	21.64	0.2844
			4	21.68	0.2871
			7	21.6	0.2818
		15	0	21.59	0.2812
	1913.5	1	0	22.92	0.3819
			7	22.95	0.3846
			14	22.2	0.3236
		8	0	22.02	0.3105
			4	21.91	0.3027
			7	21.71	0.2891
15		0	21.84	0.2979	
16QAM	1851.5	1	0	22.03	0.3112
			7	22.17	0.3214
			14	21.98	0.3076
		8	0	20.97	0.2438
			4	21.04	0.2477
			7	20.98	0.2443
		15	0	20.89	0.2393
	1882.5	1	0	21.69	0.2877
			7	21.79	0.2944
			14	21.48	0.2742
		8	0	20.74	0.2312
			4	20.78	0.2333
			7	20.7	0.2291
		15	0	20.64	0.2259
	1913.5	1	0	21.77	0.2931
			7	21.86	0.2992
			14	21.13	0.2529
		8	0	21	0.2455
			4	20.93	0.2415
			7	20.72	0.2301
		15	0	20.86	0.2377
5MHz					
QPSK	1852.5	1	0	22.95	0.3846
			13	22.86	0.3767
			24	22.75	0.3673
		12	0	21.93	0.3041
			6	21.88	0.3006
			13	21.88	0.3006
		25	0	21.89	0.3013
	1882.5	1	0	22.86	0.3767
			13	22.86	0.3767
			24	22.54	0.3499
		12	0	21.84	0.2979
			6	21.77	0.2931
			13	21.68	0.2871
		25	0	21.77	0.2931



	1912.5	1	0	23.07	0.3954		
			13	23.2	0.4074		
			24	22.58	0.3532		
		12	0	22.17	0.3214		
			6	22.21	0.3243		
			13	22.02	0.3105		
		25	0	22.12	0.3177		
		16QAM	1852.5	1	0	22.2	0.3236
					13	22.15	0.3199
24	22.08				0.3148		
12	0			21.09	0.2506		
	6			21.05	0.2483		
	13			21.05	0.2483		
25	0			21.08	0.2500		
1882.5	1			0	22.22	0.3251	
				13	21.96	0.3062	
			24	21.95	0.3055		
	12		0	20.9	0.2399		
			6	20.83	0.2360		
			13	20.77	0.2328		
	25		0	20.86	0.2377		
	1912.5		1	0	22.33	0.3334	
				13	22.47	0.3443	
24				21.88	0.3006		
12			0	21.32	0.2642		
		6	21.37	0.2673			
		13	21.21	0.2576			
25		0	21.33	0.2649			
10MHz							
QPSK		1855	1	0	22.96	0.3855	
	25			22.71	0.3639		
	49			22.96	0.3855		
	25		0	22.06	0.3133		
			13	21.92	0.3034		
			25	21.91	0.3027		
	50		0	21.96	0.3062		
	1882.5		1	0	23.2	0.4074	
				25	22.85	0.3758	
		49		22.7	0.3631		
		25	0	22.05	0.3126		
			13	21.88	0.3006		
			25	21.81	0.2958		
	50	0	21.94	0.3048			
	1910	1	0	22.87	0.3776		
			25	23.28	0.4150		
			49	22.92	0.3819		
		25	0	21.96	0.3062		



			13	22.22	0.3251	
			25	22.27	0.3289	
		50	0	22.13	0.3184	
16QAM	1855	1	0	22.42	0.3404	
			25	22.22	0.3251	
			49	22.37	0.3365	
		12	0	22.21	0.3243	
			19	22.02	0.3105	
			38	22.09	0.3155	
		27	0	21.09	0.2506	
		1882.5	1	0	22.34	0.3342
				25	21.98	0.3076
	49			21.85	0.2985	
	12		0	22.19	0.3228	
			19	21.9	0.3020	
			38	21.79	0.2944	
	27		0	21.17	0.2553	
	1910		1	0	21.58	0.2805
				25	22.04	0.3119
		49		21.74	0.2911	
		12	0	21.89	0.3013	
			19	22.24	0.3266	
			38	22.28	0.3296	
		27	23	21.49	0.2748	
		15MHz				
QPSK		1857.5	1	0	23.4	0.4266
	38			23.19	0.4064	
	74			23.5	0.4365	
	36		0	22.19	0.3228	
			18	22.14	0.3192	
			39	22.25	0.3273	
	75		0	22.2	0.3236	
	1882.5		1	0	23.43	0.4295
				38	22.98	0.3873
		74		22.9	0.3802	
		36	0	22.3	0.3311	
			18	22.04	0.3119	
			79	21.88	0.3006	
	75	0	22.05	0.3126		
	1907.5	1	0	23.11	0.3990	
			38	23.11	0.3990	
			74	23.04	0.3926	
		36	0	21.9	0.3020	
			38	22.04	0.3119	
			39	22.31	0.3319	
		75	0	22.04	0.3119	
		16QAM	1857.5	1	0	22.16

			38	22.14	0.3192	
			74	22.32	0.3327	
			12	0	22.29	0.3304
				31	22.09	0.3155
				63	22.32	0.3327
		27	0	21.27	0.2612	
		1882.5	1	0	22.49	0.3459
				38	22.03	0.3112
				74	22.01	0.3097
			12	0	22.33	0.3334
	31			21.91	0.3027	
	63			21.82	0.2965	
	27		0	21.32	0.2642	
	1907.5	1	0	21.93	0.3041	
			38	22.05	0.3126	
			74	22.03	0.3112	
		12	0	21.79	0.2944	
			31	21.93	0.3041	
			63	22.21	0.3243	
		27	48	21.47	0.2735	
20MHz						
QPSK	1860	1	0	23.19	0.4064	
			50	23.23	0.4102	
			99	23.22	0.4093	
		50	0	22.25	0.3273	
			25	22.29	0.3304	
			50	22.39	0.3381	
		100	0	22.31	0.3319	
	1882.5	1	0	23.47	0.4335	
			50	22.87	0.3776	
			99	23	0.3890	
		50	0	22.26	0.3281	
			25	21.98	0.3076	
			50	21.89	0.3013	
		100	0	22.04	0.3119	
	1905	1	0	23.28	0.4150	
			50	22.79	0.3707	
			99	23	0.3890	
		50	0	21.99	0.3083	
			25	21.87	0.2999	
			50	22.09	0.3155	
100		0	22.15	0.3199		
16QAM	1860	1	0	22.63	0.3573	
			50	22.74	0.3664	
			99	22.77	0.3690	
		12	0	22.24	0.3266	
			44	22.3	0.3311	



		27	88	22.43	0.3412
			0	21.23	0.2588
	1882.5	1	0	22.94	0.3837
			50	22.45	0.3428
			99	22.61	0.3556
		12	0	22.55	0.3508
			44	22.02	0.3105
			88	22.16	0.3206
		27	0	21.48	0.2742
	1905	1	0	22.83	0.3741
			50	22.21	0.3243
			99	22.5	0.3467
		12	0	22.34	0.3342
			44	21.8	0.2951
			88	22.35	0.3350
		27	73	21.41	0.2698

LTE Band 26, with antenna gain -5.87 dBi

1.4MHz				Conducted power	ERP
QPSK	824.7	1	0	23.24	0.0333
			2	23.12	0.0324
			5	23.05	0.0318
		3	0	23	0.0315
			2	23.09	0.0321
			3	23.06	0.0319
		6	0	22.03	0.0252
	836.5	1	0	23.04	0.0318
			2	23.21	0.0330
			5	23.12	0.0324
		3	0	23	0.0315
			2	23	0.0315
			3	22.98	0.0313
		6	0	22.08	0.0255
	848.3	1	0	23.84	0.0382
			2	23.21	0.0330
			5	23.1	0.0322
		3	0	23.36	0.0342
			2	23.08	0.0321
			3	23.05	0.0318
		6	0	22.15	0.0259
16QAM	824.7	1	0	21.89	0.0244
			2	21.89	0.0244
			5	21.84	0.0241
		3	0	22.12	0.0257
			2	22.12	0.0257
			3	22.07	0.0254
		6	0	21.13	0.0205



	836.5	1	0	22.07	0.0254	
			2	22.1	0.0256	
			5	22.12	0.0257	
		3	0	22.03	0.0252	
			2	22.05	0.0253	
			3	22.01	0.0251	
		6	0	21.03	0.0200	
		848.3	1	0	22.59	0.0286
				2	21.88	0.0243
	5			21.81	0.0239	
	3		0	22.36	0.0272	
			2	22.09	0.0255	
			3	22.05	0.0253	
	6		0	21.23	0.0209	
	3MHz					
	QPSK		825.5	1	0	23.15
		7			23.27	0.0335
		14			23.02	0.0316
8		0		22.24	0.0264	
		4		22.22	0.0263	
		7		22.15	0.0259	
15		0		22.25	0.0265	
836.5		1	0	23.07	0.0320	
			7	23.13	0.0324	
			14	22.9	0.0308	
		8	0	22.17	0.0260	
			4	22.19	0.0261	
			7	22.12	0.0257	
		15	0	22.12	0.0257	
847.5		1	0	23.14	0.0325	
			7	23.32	0.0339	
			14	22.24	0.0264	
		8	0	22.14	0.0258	
			4	21.93	0.0246	
			7	21.56	0.0226	
		15	0	21.81	0.0239	
16QAM	825.5	1	0	22.51	0.0281	
			7	22.58	0.0286	
			14	22.42	0.0275	
		8	0	21.3	0.0213	
			4	21.33	0.0214	
			7	21.28	0.0212	
		15	0	21.17	0.0207	
	836.5	1	0	22.13	0.0258	
			7	22.22	0.0263	
			14	21.97	0.0248	
		8	0	21.17	0.0207	



			4	21.2	0.0208
			7	21.14	0.0205
		15	0	21.09	0.0203
	847.5	1	0	21.86	0.0242
			7	21.99	0.0249
			14	20.92	0.0195
		8	0	21.19	0.0207
			4	21.01	0.0199
			7	20.63	0.0182
			15	0	20.91
5MHz					
QPSK	826.5	1	0	23.1	0.0322
			13	23.13	0.0324
			24	23.1	0.0322
		12	0	22.04	0.0252
			6	22.02	0.0251
			13	22.06	0.0254
		25	0	22.02	0.0251
	836.5	1	0	23.12	0.0324
			13	22.96	0.0312
			24	22.9	0.0308
		12	0	22.11	0.0256
			6	22.03	0.0252
			13	22.03	0.0252
		25	0	22.07	0.0254
	846.5	1	0	23.22	0.0331
			13	23.27	0.0335
			24	22.48	0.0279
		12	0	22.27	0.0266
			6	22.25	0.0265
			13	21.96	0.0248
		25	0	22.12	0.0257
16QAM	826.5	1	0	22.34	0.0270
			13	22.3	0.0268
			24	22.32	0.0269
		12	0	21.2	0.0208
			6	21.16	0.0206
			13	21.22	0.0209
		25	0	21.19	0.0207
	836.5	1	0	22.33	0.0270
			13	22.21	0.0262
			24	22.16	0.0259
		12	0	21.15	0.0206
			6	21.08	0.0202
			13	21.1	0.0203
	25	0	21.13	0.0205	
	846.5	1	0	22.36	0.0272



			13	22.48	0.0279
			24	21.6	0.0228
		12	0	21.34	0.0215
			6	21.34	0.0215
			13	21.07	0.0202
		25	0	21.27	0.0211
10MHz					
QPSK	829	1	0	23.13	0.0324
			25	23.18	0.0328
			49	23.17	0.0327
		25	0	22.07	0.0254
			13	22.08	0.0255
			25	22.05	0.0253
		50	0	22.07	0.0254
	836.5	1	0	23.19	0.0329
			25	23.08	0.0321
			49	23.01	0.0316
		25	0	22.18	0.0261
			13	22.15	0.0259
			25	22.13	0.0258
		50	0	22.15	0.0259
	844	1	0	23.02	0.0316
			25	23.06	0.0319
			49	22.28	0.0267
		25	0	22.04	0.0252
			13	22.13	0.0258
			25	22.15	0.0259
		50	0	22.07	0.0254
16QAM	829	1	0	22.45	0.0277
			25	22.43	0.0276
			49	22.44	0.0277
		12	0	22.16	0.0259
			19	22.18	0.0261
			38	22.14	0.0258
		27	0	21.19	0.0207
	836.5	1	0	22.25	0.0265
			25	22.18	0.0261
			49	22.13	0.0258
		12	0	22.21	0.0262
			19	22.11	0.0256
			38	22.11	0.0256
		27	0	22.25	0.0265
	844	1	0	21.89	0.0244
			25	21.98	0.0249
			49	21.24	0.0210
		12	0	22.04	0.0252
			19	22.16	0.0259



			38	22.09	0.0255	
		27	23	21.23	0.0209	
15MHz						
QPSK	831.5	1	0	23.15	0.0326	
			38	23.09	0.0321	
			74	22.91	0.0308	
		36	0	22.18	0.0261	
			18	22.2	0.0262	
			39	22.13	0.0258	
		75	0	22.12	0.0257	
		836.5	1	0	23.19	0.0329
				38	23.14	0.0325
	74			22.96	0.0312	
	36		0	22.28	0.0267	
			18	22.31	0.0269	
			79	22.18	0.0261	
	75	0	22.23	0.0264		
	841.5	1	0	23.03	0.0317	
			38	23.02	0.0316	
			74	22.3	0.0268	
		36	0	22.08	0.0255	
			38	22.07	0.0254	
			39	22.19	0.0261	
		75	0	22.06	0.0254	
16QAM		831.5	1	0	22.21	0.0262
				38	22.23	0.0264
	74			22.05	0.0253	
	12		0	22.1	0.0256	
			31	22.12	0.0257	
			63	22.04	0.0252	
	27		0	21.32	0.0214	
	836.5	1	0	22.24	0.0264	
			38	22.22	0.0263	
			74	22.14	0.0258	
		12	0	22.08	0.0255	
			31	22.15	0.0259	
			63	21.99	0.0249	
	27	0	21.22	0.0209		
	841.5	1	0	21.99	0.0249	
			38	22.03	0.0252	
			74	21.38	0.0217	
		12	0	21.93	0.0246	
			31	21.93	0.0246	
			63	22.06	0.0254	
		27	48	21.39	0.0217	
15MHz				Conducted power	ERP	
QPSK	821.5	1	0	23.2	0.0330	



			38	23.15	0.0326
			74	22.99	0.0314
		36	0	22.22	0.0263
			18	22.15	0.0259
			39	22.1	0.0256
16QAM	821.5	75	0	22.23	0.0264
		1	0	22.61	0.0288
			38	22.49	0.0280
			74	22.39	0.0274
		12	0	22.31	0.0269
			31	22.22	0.0263
			63	22.15	0.0259
		27	0	21.3	0.0213

LTE Band 38, with antenna gain 1.84 dBi

5MHz			Conducted power		EIRP
QPSK	2572.5	1	0	22.93	0.2999
			13	22.94	0.3006
			24	23.06	0.3090
		12	0	21.91	0.2371
			6	21.88	0.2355
			13	21.9	0.2366
		25	0	21.87	0.2350
	2595	1	0	23.2	0.3192
			13	23.26	0.3236
			24	23.17	0.3170
		12	0	22.28	0.2582
			6	22.24	0.2559
			13	22.23	0.2553
		25	0	22.21	0.2541
16QAM	2617.5	1	0	23.48	0.3404
			13	23.26	0.3236
			24	23.33	0.3289
		12	0	22.48	0.2704
			6	22.4	0.2655
			13	22.37	0.2636
		25	0	22.43	0.2673
	2572.5	1	0	21.71	0.2265
			13	22.06	0.2455
			24	21.84	0.2333
		12	0	20.83	0.1849
			6	20.91	0.1884
			13	20.88	0.1871
	2595	1	0	20.85	0.1858
			0	22.19	0.2529
			13	22.28	0.2582
			24	22.2	0.2535



		12	0	21.07	0.1954	
			6	21.06	0.1950	
			13	21.13	0.1982	
		25	0	21	0.1923	
	2617.5	1	0	22.63	0.2799	
			13	22.55	0.2748	
			24	22.18	0.2523	
		12	0	21.49	0.2153	
			6	21.45	0.2133	
			13	21.47	0.2143	
		25	0	21.39	0.2104	
	10MHz					
	QPSK	2575	1	0	22.68	0.2831
				25	22.81	0.2917
49				22.76	0.2884	
25			0	21.83	0.2328	
			13	21.88	0.2355	
			25	21.88	0.2355	
50			0	21.87	0.2350	
2595			1	0	23.12	0.3133
				25	23.19	0.3184
		49		23.11	0.3126	
		25	0	22.17	0.2518	
			13	22.18	0.2523	
			25	22.19	0.2529	
		50	0	22.15	0.2506	
2615		1	0	23.31	0.3273	
			25	23.34	0.3296	
			49	23.16	0.3162	
		25	0	22.24	0.2559	
			13	22.25	0.2564	
			25	22.27	0.2576	
		50	0	22.28	0.2582	
16QAM		2575	1	0	21.57	0.2193
				25	21.68	0.2249
				49	21.91	0.2371
			12	0	21.71	0.2265
				19	21.76	0.2291
				38	21.87	0.2350
	27		0	20.83	0.1849	
	2595		1	0	22.16	0.2512
				25	21.99	0.2415
		49		21.91	0.2371	
		12	0	22.14	0.2500	
			19	22.18	0.2523	
			38	22.13	0.2495	
		27	0	21.09	0.1963	



	2615	1	0	21.97	0.2404	
			25	22.02	0.2432	
			49	21.92	0.2377	
		12	0	22.26	0.2570	
			19	22.24	0.2559	
			38	22.22	0.2547	
		27	23	21.3	0.2061	
15MHz						
QPSK	2577.5	1	0	22.68	0.2831	
			38	22.9	0.2979	
			74	22.67	0.2825	
		36	0	21.81	0.2317	
			18	21.84	0.2333	
			39	21.82	0.2323	
		75	0	21.81	0.2317	
		2595	1	0	23.04	0.3076
				38	23.22	0.3206
	74			23.06	0.3090	
	36		0	22.16	0.2512	
			18	22.19	0.2529	
			79	22.11	0.2483	
	75	0	22.1	0.2477		
	2612.5	1	0	23.46	0.3388	
			38	23.58	0.3483	
			74	23.43	0.3365	
		36	0	22.51	0.2723	
			38	22.54	0.2742	
			39	22.49	0.2710	
		75	0	22.49	0.2710	
16QAM	2577.5	1	0	21.71	0.2265	
			38	21.79	0.2307	
			74	21.76	0.2291	
		12	0	21.64	0.2228	
			31	21.82	0.2323	
			63	21.74	0.2280	
		27	0	20.86	0.1862	
	2595	1	0	22.12	0.2489	
			38	22.24	0.2559	
			74	22.14	0.2500	
		12	0	22.13	0.2495	
			31	22.24	0.2559	
			63	22.12	0.2489	
		27	0	21.09	0.1963	
	2612.5	1	0	22.3	0.2594	
			38	22.53	0.2735	
			74	22.45	0.2685	
		12	0	22.29	0.2588	



			31	22.4	0.2655	
			63	22.32	0.2606	
		27	48	21.4	0.2109	
20MHz						
QPSK	2580	1	0	22.75	0.2877	
			50	22.93	0.2999	
			99	22.82	0.2924	
		50	0	21.92	0.2377	
			25	21.96	0.2399	
			50	21.97	0.2404	
		100	0	21.94	0.2388	
		2595	1	0	23.13	0.3141
				50	23.24	0.3221
	99			23.16	0.3162	
	50		0	22.23	0.2553	
			25	22.25	0.2564	
			50	22.22	0.2547	
	100		0	22.16	0.2512	
	2610	1	0	23.22	0.3206	
			50	23.62	0.3516	
			99	23.45	0.3381	
		50	0	22.4	0.2655	
			25	22.49	0.2710	
			50	22.55	0.2748	
		100	0	22.45	0.2685	
	16QAM	2580	1	0	22.1	0.2477
				50	22.21	0.2541
				99	21.98	0.2410
12			0	21.77	0.2296	
			44	21.82	0.2323	
			88	21.81	0.2317	
27			0	20.91	0.1884	
2595			1	0	22.35	0.2624
				50	22.39	0.2649
		99		22.26	0.2570	
		12	0	22.12	0.2489	
			44	22.13	0.2495	
			88	22.15	0.2506	
		27	0	21.05	0.1945	
2610		1	0	22.56	0.2754	
			50	22.66	0.2818	
			99	22.7	0.2844	
		12	0	22.24	0.2559	
			44	22.44	0.2679	
			88	22.42	0.2667	
		27	73	21.53	0.2173	



LTE Band 41, with antenna gain 2.36 dBi

5MHz				Conducted power	EIRP
QPSK	2498.5	1	0	22.87	0.3334
			13	22.84	0.3311
			24	22.87	0.3334
		12	0	21.74	0.2570
			6	21.72	0.2559
			13	21.73	0.2564
		25	0	21.7	0.2547
	2593	1	0	23	0.3436
			13	22.88	0.3342
			24	21.76	0.2582
		12	0	21.88	0.2655
			6	21.77	0.2588
			13	21.74	0.2570
		25	0	21.76	0.2582
	2687.5	1	0	22.95	0.3396
			13	22.9	0.3357
			24	23	0.3436
		12	0	22.1	0.2793
			6	22.06	0.2767
			13	21.98	0.2716
		25	0	22.07	0.2773
16QAM	2498.5	1	0	21.55	0.2460
			13	21.82	0.2618
			24	21.89	0.2661
		12	0	20.8	0.2070
			6	20.83	0.2084
			13	20.86	0.2099
		25	0	20.73	0.2037
	2593	1	0	21.91	0.2673
			13	21.74	0.2570
			24	21.78	0.2594
		12	0	20.86	0.2099
			6	20.87	0.2104
			13	20.79	0.2065
		25	0	20.79	0.2065
	2687.5	1	0	22.05	0.2761
			13	21.83	0.2624
			24	22.04	0.2754
		12	0	21.07	0.2203
			6	21.15	0.2244
			13	21.2	0.2270
		25	0	21.1	0.2218



10MHz					
QPSK	2501	1	0	22.56	0.3105
			25	22.82	0.3296
			49	22.81	0.3289
		25	0	21.74	0.2570
			13	21.78	0.2594
			25	21.79	0.2600
		50	0	21.77	0.2588
	2593	1	0	21.96	0.2704
			25	22.86	0.3327
			49	22.61	0.3141
		25	0	21.84	0.2630
			13	21.74	0.2570
			25	21.69	0.2541
		50	0	21.76	0.2582
	2685	1	0	22.93	0.3381
			25	22.87	0.3334
			49	22.85	0.3319
		25	0	21.94	0.2692
			13	21.95	0.2698
			25	21.98	0.2716
		50	0	21.87	0.2649
16QAM	2501	1	0	21.73	0.2564
			25	21.55	0.2460
			49	21.95	0.2698
		12	0	21.75	0.2576
			19	21.76	0.2582
			38	21.85	0.2636
		27	0	20.79	0.2065
	2593	1	0	21.59	0.2483
			25	21.52	0.2443
			49	21.73	0.2564
		12	0	21.78	0.2594
			19	21.76	0.2582
	38	21.68	0.2535		
	27	0	20.87	0.2104	
	2685	1	0	21.83	0.2624
25			21.79	0.2600	
49			21.63	0.2506	
12		0	21.87	0.2649	
		19	21.95	0.2698	
		38	21.93	0.2685	
27		23	20.91	0.2123	
15MHz					
QPSK	2503.5	1	0	22.79	0.3273
			38	22.98	0.3420
			74	22.95	0.3396



		36	0	21.99	0.2723
			18	22.02	0.2742
			39	22.07	0.2773
		75	0	22.04	0.2754
			0	22.98	0.3420
			38	23.06	0.3483
			74	22.79	0.3273
	2593	1	0	22.07	0.2773
			18	22.02	0.2742
			79	21.92	0.2679
		36	0	21.96	0.2704
			0	22.95	0.3396
			38	23.36	0.3733
			74	23.38	0.3750
	2682.5	1	0	22.16	0.2831
			38	22.28	0.2911
			39	22.3	0.2924
		36	0	22.14	0.2818
			0	21.94	0.2692
			38	21.96	0.2704
16QAM	2503.5	1	74	22.03	0.2748
			0	21.9	0.2667
			31	21.99	0.2723
		12	63	22.06	0.2767
			0	20.87	0.2104
			0	21.78	0.2594
	2593	1	38	21.92	0.2679
			74	21.86	0.2642
			0	21.93	0.2685
		12	31	21.88	0.2655
			63	21.73	0.2564
			0	21.02	0.2178
	2682.5	1	0	22.01	0.2735
			38	22.2	0.2858
			74	22.16	0.2831
		12	0	21.95	0.2698
			31	22.22	0.2871
			63	22.19	0.2851
		27	48	21.32	0.2333
	20MHz				
QPSK	2506	1	0	22.81	0.3289
			50	23.01	0.3443
			99	23.13	0.3540
		50	0	21.99	0.2723
			25	22.07	0.2773
			50	22.15	0.2825
		100	0	22.08	0.2780



	2593	1	0	22.97	0.3412
			50	22.95	0.3396
			99	22.83	0.3304
		50	0	22.04	0.2754
			25	21.95	0.2698
			50	21.88	0.2655
		100	0	22.01	0.2735
	2680	1	0	22.92	0.3373
			50	23.2	0.3597
			99	23.24	0.3631
		50	0	22.02	0.2742
			25	22.17	0.2838
			50	22.2	0.2858
		100	0	22.1	0.2793
16QAM	2506	1	0	21.8	0.2606
			50	22.35	0.2958
			99	22.47	0.3041
		12	0	21.88	0.2655
			44	21.89	0.2661
			88	22.15	0.2825
		27	0	20.86	0.2099
	2593	1	0	22.14	0.2818
			50	21.93	0.2685
			99	21.93	0.2685
		12	0	22.01	0.2735
			44	21.92	0.2679
			88	21.81	0.2612
		27	0	21.07	0.2203
	2680	1	0	22.19	0.2851
			50	22.18	0.2844
			99	22.36	0.2965
		12	0	21.88	0.2655
			44	22.05	0.2761
			88	22.07	0.2773
		27	73	21.25	0.2296

LTE Band 66, with antenna gain 3.22 dBi

1.4MHz				Conducted power	EIRP
QPSK	1710.7	1	0	23.14	0.4325
			2	23.18	0.4365
			5	23.15	0.4335
		3	0	23.21	0.4395
			2	23.21	0.4395
			3	23.13	0.4315
		6	0	22.11	0.3412
	1745	1	0	23.05	0.4236
			2	23.04	0.4227



		3	5	23.07	0.4256	
			0	22.95	0.4140	
			2	22.96	0.4150	
			3	23.1	0.4285	
		6	0	22.01	0.3334	
		1779.3	1	0	23.04	0.4227
				2	23.04	0.4227
				5	22.91	0.4102
	3		0	22.85	0.4046	
		2	22.89	0.4083		
		3	22.83	0.4027		
	6	0	21.92	0.3266		
16QAM	1710.7	1	0	22.16	0.3451	
			2	22.24	0.3516	
			5	22.19	0.3475	
		3	0	22.14	0.3436	
			2	22.27	0.3540	
			3	22.23	0.3508	
		6	0	21.27	0.2812	
	1745	1	0	22.04	0.3357	
			2	22.14	0.3436	
			5	22.1	0.3404	
		3	0	21.86	0.3221	
			2	21.88	0.3236	
			3	21.9	0.3251	
		6	0	21.12	0.2716	
	1779.3	1	0	21.77	0.3155	
			2	21.76	0.3148	
			5	21.72	0.3119	
		3	0	21.96	0.3296	
			2	21.93	0.3273	
			3	21.87	0.3228	
		6	0	20.91	0.2588	
3MHz						
QPSK	1711.5	1	0	23.09	0.4276	
			7	23.23	0.4416	
			14	23	0.4188	
		8	0	22.05	0.3365	
			4	22.22	0.3499	
			7	22.17	0.3459	
		15	0	22.14	0.3436	
	1745	1	0	22.88	0.4074	
			7	23.01	0.4198	
			14	23.03	0.4217	
		8	0	21.93	0.3273	
			4	22	0.3327	
			7	22.01	0.3334	



		15	0	21.94	0.3281
	1775.5	1	0	22.75	0.3954
			7	22.82	0.4018
			14	22.54	0.3767
			0	21.87	0.3228
		8	4	21.86	0.3221
			7	21.79	0.3170
			15	0	21.81
16QAM	1711.5	1	0	22.35	0.3606
			7	22.52	0.3750
			14	22.32	0.3581
		8	0	21.21	0.2773
			4	21.28	0.2818
			7	21.22	0.2780
		15	0	21.11	0.2710
	1745	1	0	21.87	0.3228
			7	22.04	0.3357
			14	21.99	0.3319
		8	0	21.11	0.2710
			4	21.15	0.2735
			7	21.18	0.2754
		15	0	21.07	0.2685
	1775.5	1	0	21.65	0.3069
			7	21.76	0.3148
			14	21.49	0.2958
		8	0	20.98	0.2630
			4	20.99	0.2636
			7	20.89	0.2576
		15	0	20.95	0.2612
5MHz					
QPSK	1712.5	1	0	23.18	0.4365
			13	23.16	0.4345
			24	23.09	0.4276
		12	0	22.14	0.3436
			6	22.07	0.3381
			13	22.07	0.3381
		25	0	22.06	0.3373
	1745	1	0	23.01	0.4198
			13	23.06	0.4246
			24	23.27	0.4457
		12	0	21.91	0.3258
			6	21.96	0.3296
			13	22.08	0.3388
		25	0	21.99	0.3319
	1777.5	1	0	22.87	0.4064
			13	22.77	0.3972
			24	22.67	0.3882



		12	0	21.97	0.3304		
			6	21.94	0.3281		
			13	21.8	0.3177		
		25	0	21.93	0.3273		
16QAM	1712.5	1	0	22.35	0.3606		
			13	22.34	0.3597		
			24	22.32	0.3581		
		12	0	21.24	0.2793		
			6	21.19	0.2761		
			13	21.21	0.2773		
		25	0	21.22	0.2780		
		1745	1	0	22.06	0.3373	
				13	22.15	0.3443	
	24			22.45	0.3690		
	12		0	21.1	0.2704		
			6	21.14	0.2729		
			13	21.26	0.2805		
	25		0	21.18	0.2754		
	1777.5		1	0	22.07	0.3381	
				13	22.09	0.3396	
		24		22.08	0.3388		
		12	0	21.1	0.2704		
			6	20.91	0.2588		
			13	20.86	0.2559		
		25	0	20.96	0.2618		
		10MHz					
		QPSK	1715	1	0	23.18	0.4365
	25				23	0.4188	
49	22.9				0.4093		
25	0			22.07	0.3381		
	13			22	0.3327		
	25			21.88	0.3236		
50	0			21.96	0.3296		
1745	1			0	23.05	0.4236	
				25	23.13	0.4315	
			49	23.29	0.4477		
	25		0	22.03	0.3350		
			13	22.11	0.3412		
			25	22.24	0.3516		
50	0		22.13	0.3428			
1775	1		0	22.98	0.4169		
			25	22.99	0.4178		
			49	22.83	0.4027		
	25		0	22.09	0.3396		
			13	22.1	0.3404		
			25	22.01	0.3334		
	50		0	22.06	0.3373		



16QAM	1715	1	0	22.43	0.3673
			25	22.32	0.3581
			49	22.13	0.3428
		12	0	22.18	0.3467
			19	22.08	0.3388
			38	21.95	0.3289
		27	0	21.12	0.2716
	1745	1	0	22.03	0.3350
			25	22.13	0.3428
			49	22.3	0.3565
		12	0	21.98	0.3311
			19	22.07	0.3381
			38	22.26	0.3532
		27	0	21.24	0.2793
	1775	1	0	21.91	0.3258
			25	21.95	0.3289
			49	21.79	0.3170
		12	0	22.14	0.3436
			19	22.16	0.3451
			38	22.05	0.3365
		27	23	21.13	0.2723
15MHz					
QPSK	1717.5	1	0	23.22	0.4406
			38	23.08	0.4266
			74	22.92	0.4111
		36	0	22.33	0.3589
			18	22.22	0.3499
			39	22.06	0.3373
		75	0	22.13	0.3428
	1745	1	0	23.05	0.4236
			38	23.29	0.4477
			74	23.53	0.4732
		36	0	22.14	0.3436
			18	22.26	0.3532
			79	22.41	0.3656
		75	0	22.24	0.3516
	1772.5	1	0	23.55	0.4753
			38	23.23	0.4416
			74	23.07	0.4256
		36	0	22.52	0.3750
			38	22.35	0.3606
			39	22.25	0.3524
		75	0	22.34	0.3597
16QAM	1717.5	1	0	22.41	0.3656
			38	22.22	0.3499
			74	22.03	0.3350
		12	0	22.24	0.3516



			31	22.05	0.3365
			63	21.86	0.3221
		27	0	21.27	0.2812
	1745	1	0	22	0.3327
			38	22.41	0.3656
			74	22.71	0.3917
		12	0	22.02	0.3342
			31	22.24	0.3516
			63	22.51	0.3741
		27	0	21.18	0.2754
	1772.5	1	0	22.71	0.3917
			38	22.35	0.3606
			74	22.26	0.3532
		12	0	22.61	0.3828
			31	22.24	0.3516
			63	22.11	0.3412
		27	48	21.2	0.2767
20M					
QPSK	1720	1	0	23.19	0.4375
			50	23.07	0.4256
			99	22.95	0.4140
		50	0	22.12	0.3420
			25	22.05	0.3365
			50	21.93	0.3273
		100	0	22.03	0.3350
	1745	1	0	23.22	0.4406
			50	23.46	0.4656
			99	23.73	0.4955
		50	0	22.12	0.3420
			25	22.42	0.3664
			50	22.6	0.3819
		100	0	22.4	0.3648
	1770	1	0	23.38	0.4571
			50	23.37	0.4560
			99	23.09	0.4276
		50	0	22.67	0.3882
			25	22.49	0.3724
			50	22.29	0.3556
		100	0	22.42	0.3664
16QAM	1720	1	0	22.5	0.3733
			50	22.27	0.3540
			99	22.2	0.3483
		12	0	22.32	0.3581
			44	22.04	0.3357
			88	22.01	0.3334
		27	0	21.35	0.2864
	1745	1	0	22.51	0.3741



			50	22.71	0.3917
			99	23.02	0.4207
		12	0	22.07	0.3381
			44	22.25	0.3524
			88	22.6	0.3819
		27	0	21.25	0.2799
	1770	1	0	22.64	0.3855
			50	22.66	0.3873
			99	22.29	0.3556
		12	0	22.54	0.3767
			44	22.38	0.3631
			88	22.15	0.3443
		27	73	21.28	0.2818



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Lex	Temperature :	21~25°C
		Relative Humidity :	51~53%

LTE Band 7 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	5106	-53.72	-25	-28.72	-63.93	3.03	13.24	H
	7654	-51.03	-25	-26.03	-60.48	3.56	13.01	H
	10202	-57.39	-25	-32.39	-66.91	3.92	13.44	H
	5106	-59.07	-25	-34.07	-69.28	3.03	13.24	V
	7654	-57.21	-25	-32.21	-66.66	3.56	13.01	V
	10202	-59.00	-25	-34.00	-68.52	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 5MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-57.78	-42.15	-15.63	-60.41	1.09	5.87	H
	2336	-59.65	-13	-46.65	-62.05	1.37	5.92	H
	3120	-47.25	-13	-34.25	-51.14	1.64	7.68	H
	1560	-57.94	-42.15	-15.79	-60.57	1.09	5.87	V
	2336	-57.74	-13	-44.74	-60.14	1.37	5.92	V
	3120	-41.47	-13	-28.47	-45.36	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.