Industrial Internet Innovation Center (Shanghai) Co.,Ltd.

RF TEST REPORT

PRODUCT	Handheld Wireless Terminal
BRAND	SUNMI
MODEL	T8F1B
APPLICANT	Shanghai Sunmi Technology Co.,Ltd.
FCC ID	2AH25T8F1B
IC	22621-T8F1B
ISSUE DATE	February 21, 2025
STANDARD(S)	FCC Part 2, FCC Part 22H, FCC Part 24E, FCC Part 27, RSS-Gen Issue 5, RSS-130 Issue 2, RSS-132 Issue 4, RSS-133 Issue 7, RSS-139 Issue 4, RSS-199 Issue 4

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1. Summary of Test Report

1.1 Test Standard (s)

No.	Test Standard	Title	Version
1	FCC Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS	-
2	FCC Part 22H	CELLULAR RADIOTELEPHONE SERVICE	-
3	FCC Part 24E	BROADBAND PCS	-
4	FCC Part 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES	-
5	RSS-Gen Issue 5	RSS-Gen —General Requirements for Compliance of Radio Apparatus	2021-02
6	RSS-130 Issue 2	Equipment Operating in the Frequency Bands 617-652 MHz, 663-698 MHz,698-756 MHz and 777-787 MHz	2019-02
7	RSS-132 Issue 4	Cellular Telephone Systems Operating in the Bands 824-849 MHz and 869-894 MHz	2023-01
8	RSS-133 Issue 7	Personal Communications Service Equipment Operating in the Bands 1850-1915 MHz and 1930-1995 MHz	2024-07
9	RSS-139 Issue 4	Advanced Wireless Services Equipment Operating in the Bands 1710-1780 MHz and 2110-2200 MHz	2022-09
10	RSS-199 Issue 4	Broadband Radio Service (BRS) Equipment Operating in the Band 2500-2690 MHz	2023-07
Note: The standard of FCC Part 2 has not been accredited by A2LA.			

1.2 Reference Documents

No.	Test Standard	Title	Version
1	ANSI/TIA-603-E	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards	2016
2	ANSI C63.26	American National Standard of Procedures for Compliance Testing of Licensed Transmitters Used in Licensed Radio	2015
3	KDB 971168 D01	Measurement Guidance for Certification of Licensed Digital Transmitters	v03r01
Note: The standard of KDB 971168 D01 Power Meas License Digital Systems has not been accredited by A2LA.			

1.3 Summary of Test Results

LTE Band 2

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/EIRP	2.1046/24.232(c)	RSS-133 5.5	Pass
2	Emission Limit	2.1053/24.238(a)	RSS-133 5.6	Pass
3	Frequency Stability	2.1055/24.235	RSS-133 5.4	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass

5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/24.238(a)	RSS-133 5.6	Pass
7	Conducted Spurious Emission	2.1051/24.238(a)	RSS-133 5.6	Pass
8	Peak to Average Power Ratio	24.232 (d)	RSS-133 5.5	Pass

LTE Band 4

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/EIRP	2.1046/27.50(d)(4)	RSS-139 5.5	Pass
2	Emission Limit	2.1053/27.53(h)	RSS-139 5.6	Pass
3	Frequency Stability	2.1055/27.54	RSS-139 5.4	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/27.53(h)	RSS-139 5.6	Pass
7	Conducted Spurious Emission	2.1051/27.53(h)	RSS-139 5.6	Pass
8	Peak to Average Power Ratio	27.50(d)(5)	RSS-139 5.5	Pass

LTE Band 5

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/ERP	2.1046/22.913(a)	RSS-132 5.4	Pass
2	Emission Limit	2.1053/22.917(a)	RSS-132 5.5	Pass
3	Frequency Stability	2.1055/22.355	RSS-132 5.3	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/22.917(a)	RSS-132 5.5	Pass
7	Conducted Spurious Emission	2.1051/22.917(a)	RSS-132 5.5	Pass
8	Peak to Average Power Ratio	N/A	RSS-132 5.4	Pass

LTE Band 7

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/EIRP	2.1046/27.50(h)	RSS-199 5.5	Pass
2	Emission Limit	2.1053/27.53(m)	RSS-199 5.6	Pass
3	Frequency Stability	2.1055/27.54	RSS-199 5.4	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/27.53(m)	RSS-199 5.6	Pass
7	Conducted Spurious Emission	2.1051/27.53(m)	RSS-199 5.6	Pass
8	Peak to Average Power Ratio	N/A	RSS-199 5.5	Pass

LTE Band 12

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/ERP	2.1046/27.50(c)(10)	RSS 130 4.6	Pass
2	Emission Limit	2.1053/27.53(g)	RSS 130 4.7	Pass
3	Frequency Stability	2.1055/27.54	RSS 130 4.5	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/27.53(g)	RSS 130 4.7	Pass
7	Conducted Spurious Emission	2.1051/27.53(g)	RSS 130 4.7	Pass
8	Peak to Average Power Ratio	N/A	RSS 130 4.6	Pass

LTE Band 13

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/ERP	2.1046/27.50(b)(10)	RSS 130 4.6	Pass
2	Emission Limit	2.1053/27.53(c)(2)/27.53(f)	RSS 130 4.7	Pass
3	Frequency Stability	2.1055/27.54	RSS 130 4.5	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/27.53(c)(2)/27.53(f)	RSS 130 4.7	Pass
7	Conducted Spurious Emission	2.1051/27.53(c)(2)/27.53(f)	RSS 130 4.7	Pass
8	Peak to Average Power Ratio	N/A	RSS 130 4.6	Pass

LTE Band 17

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/ERP	2.1046/27.50(c)(10)	RSS 130 4.6	Pass
2	Emission Limit	2.1053/27.53(g)	RSS 130 4.7	Pass
3	Frequency Stability	2.1055/27.54	RSS 130 4.5	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/27.53(g)	RSS 130 4.7	Pass
7	Conducted Spurious Emission	2.1051/27.53(g)	RSS 130 4.7	Pass
8	Peak to Average Power Ratio	N/A	RSS 130 4.6	Pass

LTE Band 25

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/EIRP	2.1046/24.232(c)	RSS-133 5.5	Pass

2	Emission Limit	2.1053/24.238(a)	RSS-133 5.6	Pass
3	Frequency Stability	2.1055/24.235	RSS-133 5.4	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/24.238(a)	RSS-133 5.6	Pass
7	Conducted Spurious Emission	2.1051/24.238(a)	RSS-133 5.6	Pass
8	Peak to Average Power Ratio	24.232 (d)	RSS-133 5.5	Pass

LTE Band 26(Part 22) 824-849MHz

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/ERP	2.1046/22.913(a)	RSS-132 5.4	Pass
2	Emission Limit	2.1053/22.917(a)	RSS-132 5.5	Pass
3	Frequency Stability	2.1055/22.355	RSS-132 5.3	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/22.917(a)	RSS-132 5.5	Pass
7	Conducted Spurious Emission	2.1051/22.917(a)	RSS-132 5.5	Pass
8	Peak to Average Power Ratio	N/A	RSS-132 5.4	Pass

LTE Band 38

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/EIRP	2.1046/27.50(h)	RSS 199 5.5	Pass
2	Emission Limit	2.1053/27.53(m)	RSS 199 5.6	Pass
3	Frequency Stability	2.1055/27.54	RSS 199 5.4	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/27.53(m)	RSS 199 5.6	Pass
7	Conducted Spurious Emission	2.1051/27.53(m)	RSS 199 5.6	Pass
8	Peak to Average Power Ratio	N/A	RSS 199 5.5	Pass

LTE Band 41

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/EIRP	2.1046/27.50(h)	RSS 199 5.5	Pass
2	Emission Limit	2.1053/27.53(m)	RSS 199 5.6	Pass
3	Frequency Stability	2.1055/27.54	RSS 199 5.4	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass

6	Band Edge Compliance	2.1051/27.53(m)	RSS 199 5.6	Pass
7	Conducted Spurious Emission	2.1051/27.53(m)	RSS 199 5.6	Pass
8	Peak to Average Power Ratio	N/A	RSS 199 5.5	Pass

LTE Band 66

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/EIRP	27.50(d)(4)	RSS-139 5.5	Pass
2	Emission Limit	2.1053/27.53(h)	RSS-139 5.6	Pass
3	Frequency Stability	2.1055/27.54	RSS-139 5.4	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/27.53(h)	RSS-139 5.6	Pass
7	Conducted Spurious Emission	2.1051/27.53(h)	RSS-139 5.6	Pass
8	Peak to Average Power Ratio	27.50(d)(5)	RSS-139 5.5	Pass

LTE Band 71

Items	Test Name	Clause in FCC rules	Clause in IC rules	Verdict
1	Output Power/EIRP	27.50(c)(10)	RSS 130 4.6	Pass
2	Emission Limit	2.1053/27.53(g)	RSS 130 4.7	Pass
3	Frequency Stability	2.1055/27.54	RSS 130 4.5	Pass
4	Occupied Bandwidth	2.1049	RSS-GEN 6.7	Pass
5	Emission Bandwidth	2.1049	RSS-GEN 6.7	Pass
6	Band Edge Compliance	2.1051/27.53(g)	RSS 130 4.7	Pass
7	Conducted Spurious Emission	2.1051/27.53(g)	RSS 130 4.7	Pass
8	Peak to Average Power Ratio	N/A	RSS 130 4.6	Pass

Note1:

The T8F1B manufactured by Shanghai Sunmi Technology Co.,Ltd. is a new product for testing.

Industrial Internet Innovation Center (Shanghai) Co., Ltd. only performed test cases which identified with Pass/Fail/Inc result in section 1.3.

Industrial Internet Innovation Center (Shanghai) Co., Ltd. has verified that the compliance of the tested device specified in section 4 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 1 of this test report.

1.4 Data Provided by Applicant

No.	Item(s)	Data
1	LTE band 2 Antenna gain	2.19 dBi
2	LTE band 4 Antenna gain	1.85 dBi

3	LTE band 5 Antenna gain	-0.37 dBi
4	LTE band 7 Antenna gain	0.46 dBi
5	LTE band 12 Antenna gain	-3.46 dBi
6	LTE band 13 Antenna gain	-3.53 dBi
7	LTE band 17 Antenna gain	-3.46 dBi
8	LTE band 25 Antenna gain	2.19 dBi
9	LTE band 26 Antenna gain	-0.37 dBi
10	LTE band 38 Antenna gain	0.5 dBi
11	LTE band 41 Antenna gain	0.57 dBi
12	LTE band 66 Antenna gain	1.89 dBi
13	LTE band 71 Antenna gain	-4.4 dBi
Note: The data of antenna gain is provided by Antenna specification may affect the validity of the test results in this report, and the impact and consequences of this shall be undertaken by the customer.		

2. General Information of The Laboratory

2.1 Testing Laboratory

Lab Name	Industrial Internet Innovation Center (Shanghai) Co.,Ltd.
Address	Building 4，No. 766，Jingang Road，Pudong，Shanghai，China
Telephone	021-68866880
FCC Registration No.	708870
FCC Designation No.	CN1364
IC Designation No.	10766A
CAB identifier	CN0067

2.2 Laboratory Environmental Requirements

Temperature	15℃~35℃
Relative Humidity	25%RH~75%RH
Atmospheric Pressure	86kPa~106kPa

2.3 Project Information

Project Manager	Gao Hongning
Test Date	November 30, 2024 to January 8, 2025

3. General Information of The Customer

3.1 Applicant

Company	Shanghai Sunmi Technology Co.,Ltd.
Address	Room 505, No.388, Song Hu Road, Yang Pu District, Shanghai, China
Telephone	8618501703215

3.2 Manufacturer

Company	Shanghai Sunmi Technology Co.,Ltd.
Address	Room 505, No.388,Song Hu Road, Yang Pu District, Shanghai, China
Telephone	8618501703215

4. General Information of The Product

4.1 Product Description for Equipment under Test (EUT)

Product	Handheld Wireless Terminal
Model	T8F1B
Date of Receipt	S10aa:November 29,2024 S14aa:December 2, 2024
EUT ID*	S10aa/S14aa
SN/IMEI	S10aa: 862072070026691'862072070026709 S14aa: 862072070026774'862072070026782
Supported Radio Technology and Bands	GSM 850/900/1800/1900 WCDMA Band I/II/IV/V/VI/VIII/XIX LTE Band 1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/30/34/38/39/40/41/66/71 WLAN 802.11b/g/n WLAN 802.11a/n/ac BT 5.2 BR/EDR/BLE NFC GPS/GLONASS/BDS/Galileo
Hardware Version	V00
Software Version	1.00.00.20241113_186_userdebug
HVIN	T8F1B
FCC ID	2AH25T8F1B
IC	22621-T8F1B
NOTE1: EUT ID is the internal identification code of the laboratory. NOTE2: Samples in the test report are provided by the customer. The test results are only applicable to the samples received by the laboratory.	

4.2 Description for Auxiliary Equipment (AE)

AE ID*	Description	Model	SN/Remark
AE1	RF Cable	N/A	Cable Loss: 0.5 dB
CG01	Adapter	TPA-141A050200UU01	SHENZHEN TIANYIN ELECTRONICS CO., LTD. OUTPUT: 5V 2A
CH01	Adapter	UC13US	Jiangsu Chenyang Electron Co., Ltd. OUTPUT: 5V 2A
CI01	Adapter	TPA-10120150UU	SHENZHEN TIANYIN ELECTRONICS CO., LTD. OUTPUT: 9V 2A
UA10	AC Cable	SSM-A033A	Saibao (Jiangxi) Industry Co., LTD
BA10	Battery	GYPA	HUNAN GAOYUAN BATTERY CO.,LTD. 5000mAh 3.87V

NOTE1: AE ID is the internal identification code of the laboratory.

4.3 Additional Information

Modulation:

Type of modulation	QPSK/16QAM/64QAM

Band Frequency Range:

Band	Frequency Range
Band 2	1850 - 1910 MHz
Band 4	1710 - 1755 MHz
Band 5	824 - 849 MHz
Band 7	2500 - 2570 MHz
Band 12	699-716 MHz
Band 13	777-787 MHz
Band 17	704-716 MHz
Band 25	1850-1915 MHz
Band 26	824 - 849 MHz
Band 38	2570 - 2620 MHz
Band 41	2496 - 2690 MHz
Band 41(Note 1)	2500 - 2690 MHz
Band 66	1710-1780 MHz
Band 71	663-698 MHz

Note 1: This frequency range is only applicable for IC certification.

Band List:

Band	BW (MHz)	Low Channel	Low Freq. (MHz)	Mid Channel	Mid Freq. (MHz)	High Channel	High Freq. (MHz)
Band 2	1.4	18607	1850.7	18900	1880	19193	1909.3
	3	18615	1851.5	18900	1880	19185	1908.5
	5	18625	1852.5	18900	1880	19175	1907.5
	10	18650	1855	18900	1880	19150	1905
	15	18675	1857.5	18900	1880	19125	1902.5
	20	18700	1860	18900	1880	19100	1900
Band 4	1.4	19957	1710.7	20175	1732.5	20393	1754.3
	3	19965	1711.5	20175	1732.5	20385	1753.5
	5	19975	1712.5	20175	1732.5	20375	1752.5
	10	20000	1715	20175	1732.5	20350	1750
	15	20025	1717.5	20175	1732.5	20325	1747.5
	20	20050	1720	20175	1732.5	20300	1745
Band 5	1.4	20407	824.7	20525	836.5	20643	848.3
	3	20415	825.5	20525	836.5	20635	847.5
	5	20425	826.5	20525	836.5	20625	846.5

Band	BW (MHz)	Low Channel	Low Freq. (MHz)	Mid Channel	Mid Freq. (MHz)	High Channel	High Freq. (MHz)
	10	20450	829	20525	836.5	20600	844
Band 7	5	20775	2502.5	21100	2535	21425	2567.5
	10	20800	2505	21100	2535	21400	2565
	15	20825	2507.5	21100	2535	21375	2562.5
	20	20850	2510	21100	2535	21350	2560
Band 12	1.4	23017	699.7	23095	707.5	23173	715.3
	3	23025	700.5	23095	707.5	23165	714.5
	5	23035	701.5	23095	707.5	23155	713.5
	10	23060	704	23095	707.5	23130	711
Band 13	5	23205	779.5	23230	782	23255	784.5
	10	23230	782	23230	782	23230	782
Band 17	5	23755	706.5	23790	710	23825	713.5
	10	23780	709	23790	710	23800	711
Band 25	1.4	26047	1850.7	26365	1882.5	26683	1914.3
	3	26055	1851.5	26365	1882.5	26675	1913.5
	5	26065	1852.5	26365	1882.5	26665	1912.5
	10	26090	1855	26365	1882.5	26640	1910
	15	26115	1857.5	26365	1882.5	26615	1907.5
	20	26140	1860	26365	1882.5	26590	1905
Band 26 (824-849MHz)	1.4	26797	824.7	26915	836.5	27033	848.3
	3	26805	825.5	26915	836.5	27025	847.5
	5	26815	826.5	26915	836.5	27015	846.5
	10	26840	829	26915	836.5	26990	844
	15	26865	831.5	26915	836.5	26965	841.5
Band 38	5	37775	2572.5	38000	2595	38225	2617.5
	10	37800	2575	38000	2595	38200	2615
	15	37825	2577.5	38000	2595	38175	2612.5
	20	37850	2580	38000	2595	38150	2610
Band 41	5	39675	2498.5	40620	2593	41565	2687.5
	10	39700	2501	40620	2593	41540	2685
	15	39725	2503.5	40620	2593	41515	2682.5
	20	39750	2506	40620	2593	41490	2680
Band 41 (Note 1)	5	39715	2502.5	40620	2593	41565	2687.5
	10	39740	2505	40620	2593	41540	2685
	15	39765	2507.5	40620	2593	41515	2682.5
	20	39790	2510	40620	2593	41490	2680
Band66	1.4	131979	1710.7	132322	1745	132665	1779.3
	3	131987	1711.5	132322	1745	132657	1778.5
	5	131997	1712.5	132322	1745	132647	1777.5
	10	132022	1715	132322	1745	132622	1775
	15	132047	1717.5	132322	1745	132597	1772.5
	20	132072	1720	132322	1745	132572	1770
Band 71	5	133147	665.5	133297	680.5	133447	695.5
	10	133172	668	133297	680.5	133422	693

Band	BW (MHz)	Low Channel	Low Freq. (MHz)	Mid Channel	Mid Freq. (MHz)	High Channel	High Freq. (MHz)
	15	133197	670.5	133297	680.5	133397	690.5
	20	133222	673	133322	683	133372	688

Note 1: This frequency range is only applicable for IC certification.

Emissions Information FDD02

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD02	1850.7	1909.3	1.4	QPSK	24.3	0.2692	0.1641	1080	1M08G7D
FDD02	1850.7	1909.3	1.4	QAM	23.33	0.2153	0.1312	1100	1M10W7D
FDD02	1851.5	1908.5	3	QPSK	24.22	0.2642	0.1611	2690	2M69G7D
FDD02	1851.5	1908.5	3	QAM	23.45	0.2213	0.1349	2680	2M68W7D
FDD02	1852.5	1907.5	5	QPSK	24.3	0.2692	0.1641	4470	4M47G7D
FDD02	1852.5	1907.5	5	QAM	23.31	0.2143	0.1306	4470	4M47W7D
FDD02	1855	1905	10	QPSK	24.23	0.2649	0.1614	8940	8M94G7D
FDD02	1855	1905	10	QAM	23.38	0.2178	0.1327	8940	8M94W7D
FDD02	1857.5	1902.5	15	QPSK	24.31	0.2698	0.1644	13410	13M4G7D
FDD02	1857.5	1902.5	15	QAM	23.38	0.2178	0.1327	13410	13M4W7D
FDD02	1860	1900	20	QPSK	24.3	0.2692	0.1641	17790	17M8G7D
FDD02	1860	1900	20	QAM	23.42	0.2198	0.134	17790	17M8W7D

Emissions Information FDD04

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD04	1710.7	1754.3	1.4	QPSK	24.25	0.2661	0.1622	1100	1M10G7D
FDD04	1710.7	1754.3	1.4	QAM	23.28	0.2128	0.1297	1090	1M09W7D
FDD04	1711.5	1753.5	3	QPSK	24.25	0.2661	0.1622	2690	2M69G7D
FDD04	1711.5	1753.5	3	QAM	23.38	0.2178	0.1327	2690	2M69W7D
FDD04	1712.5	1752.5	5	QPSK	24.3	0.2692	0.1641	4470	4M47G7D
FDD04	1712.5	1752.5	5	QAM	23.2	0.2089	0.1274	4500	4M50W7D
FDD04	1715	1750	10	QPSK	24.27	0.2673	0.1629	8940	8M94G7D
FDD04	1715	1750	10	QAM	23.25	0.2113	0.1288	8940	8M94W7D

FDD04	1717.5	1747.5	15	QPSK	24.24	0.2655	0.1618	13410	13M4G7D
FDD04	1717.5	1747.5	15	QAM	23.35	0.2163	0.1318	13490	13M5W7D
FDD04	1720	1745	20	QPSK	24.32	0.2704	0.1648	17790	17M8G7D
FDD04	1720	1745	20	QAM	23.31	0.2143	0.1306	17980	18M0W7D

Emissions Information FDD05

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD05	824.7	848.3	1.4	QPSK	22.04	0.16	0.0975	1090	1M09G7D
FDD05	824.7	848.3	1.4	QAM	21.06	0.1276	0.0778	1090	1M09W7D
FDD05	825.5	847.5	3	QPSK	22.04	0.16	0.0975	2680	2M68G7D
FDD05	825.5	847.5	3	QAM	20.98	0.1253	0.0764	2690	2M69W7D
FDD05	826.5	846.5	5	QPSK	22.05	0.1603	0.0977	4470	4M47G7D
FDD05	826.5	846.5	5	QAM	21.02	0.1265	0.0771	4500	4M50W7D
FDD05	829	844	10	QPSK	22.09	0.1618	0.0986	8990	8M99G7D
FDD05	829	844	10	QAM	21.03	0.1268	0.0773	8940	8M94W7D

Emissions Information FDD07

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD07	2502.5	2567.5	5	QPSK	22.93	0.1963	0.1197	4470	4M47G7D
FDD07	2502.5	2567.5	5	QAM	21.98	0.1578	0.0962	4470	4M47W7D
FDD07	2505	2565	10	QPSK	22.84	0.1923	0.1172	8940	8M94G7D
FDD07	2505	2565	10	QAM	22.04	0.16	0.0975	8940	8M94W7D
FDD07	2507.5	2562.5	15	QPSK	22.96	0.1977	0.1205	13490	13M5G7D
FDD07	2507.5	2562.5	15	QAM	22.03	0.1596	0.0973	13490	13M5W7D
FDD07	2510	2560	20	QPSK	22.95	0.1972	0.1202	17890	17M9G7D
FDD07	2510	2560	20	QAM	22.04	0.16	0.0975	17890	17M9W7D

Emissions Information FDD12

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD12	699.7	715.3	1.4	QPSK	19.15	0.0822	0.0501	1100	1M10G7D
FDD12	699.7	715.3	1.4	QAM	18.28	0.0673	0.041	1090	1M09W7D
FDD12	700.5	714.5	3	QPSK	19.17	0.0826	0.0504	2690	2M69G7D
FDD12	700.5	714.5	3	QAM	18.26	0.067	0.0408	2690	2M69W7D
FDD12	701.5	713.5	5	QPSK	19.18	0.0828	0.0505	4500	4M50G7D
FDD12	701.5	713.5	5	QAM	18.28	0.0673	0.041	4470	4M47W7D
FDD12	704	711	10	QPSK	19.22	0.0836	0.0509	8940	8M94G7D
FDD12	704	711	10	QAM	18.25	0.0668	0.0407	8940	8M94W7D

Emissions Information FDD13

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD13	779.5	784.5	5	QPSK	19.14	0.082	0.05	4470	4M47G7D
FDD13	779.5	784.5	5	QAM	18.18	0.0658	0.0401	4500	4M50W7D
FDD13	779.5	784.5	10	QPSK	19.19	0.083	0.0506	8940	8M94G7D
FDD13	779.5	784.5	10	QAM	18.22	0.0664	0.0405	8940	8M94W7D

Emissions Information FDD17

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD17	706.5	713.5	5	QPSK	19.1	0.0813	0.0495	4470	4M47G7D
FDD17	706.5	713.5	5	QAM	18.23	0.0665	0.0406	4470	4M47W7D
FDD17	709	711	10	QPSK	19.14	0.082	0.05	8940	8M94G7D
FDD17	709	711	10	QAM	18.22	0.0664	0.0405	8940	8M94W7D

Emissions Information FDD25

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD25	1850.7	1914.3	1.4	QPSK	24.28	0.2679	0.1633	1090	1M09G7D
FDD25	1850.7	1914.3	1.4	QAM	23.29	0.2133	0.13	1100	1M10W7D
FDD25	1851.5	1913.5	3	QPSK	24.26	0.2667	0.1626	2690	2M69G7D
FDD25	1851.5	1913.5	3	QAM	23.31	0.2143	0.1306	2680	2M68W7D
FDD25	1852.5	1912.5	5	QPSK	24.31	0.2698	0.1644	4500	4M50G7D
FDD25	1852.5	1912.5	5	QAM	23.19	0.2084	0.1271	4500	4M50W7D
FDD25	1855	1910	10	QPSK	24.29	0.2685	0.1637	8940	8M94G7D
FDD25	1855	1910	10	QAM	23.18	0.208	0.1268	8940	8M94W7D
FDD25	1857.5	1907.5	15	QPSK	24.29	0.2685	0.1637	13410	13M4G7D
FDD25	1857.5	1907.5	15	QAM	23.24	0.2109	0.1285	13410	13M4W7D
FDD25	1860	1905	20	QPSK	24.33	0.271	0.1652	17790	17M8G7D
FDD25	1860	1905	20	QAM	23.26	0.2118	0.1291	17890	17M9W7D

Emissions Information FDD26_22

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD26_22	824.7	848.3	1.4	QPSK	22.2	0.166	0.1012	1090	1M09G7D
FDD26_22	824.7	848.3	1.4	QAM	21.04	0.1271	0.0774	1090	1M09W7D
FDD26_22	825.5	847.5	3	QPSK	22.16	0.1644	0.1002	2680	2M68G7D
FDD26_22	825.5	847.5	3	QAM	20.95	0.1245	0.0759	2690	2M69W7D
FDD26_22	826.5	846.5	5	QPSK	22.19	0.1656	0.1009	4470	4M47G7D
FDD26_22	826.5	846.5	5	QAM	20.91	0.1233	0.0752	4470	4M47W7D
FDD26_22	829	844	10	QPSK	22.13	0.1633	0.0995	8940	8M94G7D
FDD26_22	829	844	10	QAM	21	0.1259	0.0767	8990	8M99W7D
FDD26_22	831.5	841.5	15	QPSK	22.22	0.1667	0.1016	13340	13M3G7D
FDD26_22	831.5	841.5	15	QAM	21.03	0.1268	0.0773	13340	13M3W7D

Emissions Information TDD38

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
TDD38	2572.5	2617.5	5	QPSK	22.79	0.1901	0.1159	4470	4M47G7D
TDD38	2572.5	2617.5	5	QAM	21.82	0.1521	0.0927	4500	4M50W7D
TDD38	2575	2615	10	QPSK	22.81	0.191	0.1164	8940	8M94G7D
TDD38	2575	2615	10	QAM	21.78	0.1507	0.0918	8940	8M94W7D
TDD38	2577.5	2612.5	15	QPSK	22.82	0.1914	0.1167	13490	13M5G7D
TDD38	2577.5	2612.5	15	QAM	21.81	0.1517	0.0925	13490	13M5W7D
TDD38	2580	2610	20	QPSK	22.86	0.1932	0.1178	17790	17M8G7D
TDD38	2580	2610	20	QAM	21.83	0.1524	0.0929	17980	18M0W7D

Emissions Information TDD41

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
TDD41	2498.5	2687.5	5	QPSK	23.08	0.2032	0.1239	4470	4M47G7D
TDD41	2498.5	2687.5	5	QAM	21.8	0.1514	0.0923	4470	4M47W7D
TDD41	2501	2685	10	QPSK	23.07	0.2028	0.1236	8940	8M94G7D
TDD41	2501	2685	10	QAM	21.8	0.1514	0.0923	8990	8M99W7D
TDD41	2503.5	2682.5	15	QPSK	23.11	0.2046	0.1247	13410	13M4G7D
TDD41	2503.5	2682.5	15	QAM	21.9	0.1549	0.0944	13490	13M5W7D
TDD41	2506	2680	20	QPSK	23.13	0.2056	0.1253	17790	17M8G7D
TDD41	2506	2680	20	QAM	21.83	0.1524	0.0929	17980	18M0W7D

Emissions Information TDD41（Note1）

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
TDD41	2502.5	2687.5	5	QPSK	23.08	0.2032	0.1239	4470	4M47G7D
TDD41	2502.5	2687.5	5	QAM	21.8	0.1514	0.0923	4470	4M47W7D
TDD41	2505	2685	10	QPSK	23.07	0.2028	0.1236	8940	8M94G7D
TDD41	2505	2685	10	QAM	22.28	0.169	0.103	8990	8M99W7D

TDD41	2507.5	2682.5	15	QPSK	23.11	0.2046	0.1247	13410	13M4G7D
TDD41	2507.5	2682.5	15	QAM	22.26	0.1683	0.1026	13490	13M5W7D
TDD41	2510	2680	20	QPSK	23.13	0.2056	0.1253	17790	17M8G7D
TDD41	2510	2680	20	QAM	22.22	0.1667	0.1016	17980	18M0W7D

Note 1: This frequency range is only applicable for IC certification.

Emissions Information FDD66

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD66	1710.7	1779.3	1.4	QPSK	24.3	0.2692	0.1641	1090	1M09G7D
FDD66	1710.7	1779.3	1.4	QAM	23.35	0.2163	0.1318	1090	1M09W7D
FDD66	1711.5	1778.5	3	QPSK	24.3	0.2692	0.1641	2680	2M68G7D
FDD66	1711.5	1778.5	3	QAM	23.43	0.2203	0.1343	2690	2M69W7D
FDD66	1712.5	1777.5	5	QPSK	24.38	0.2742	0.1671	4500	4M50G7D
FDD66	1712.5	1777.5	5	QAM	23.27	0.2123	0.1294	4470	4M47W7D
FDD66	1715	1775	10	QPSK	24.35	0.2723	0.166	8990	8M99G7D
FDD66	1715	1775	10	QAM	23.33	0.2153	0.1312	8940	8M94W7D
FDD66	1717.5	1772.5	15	QPSK	24.36	0.2729	0.1663	13490	13M5G7D
FDD66	1717.5	1772.5	15	QAM	23.37	0.2173	0.1324	13490	13M5W7D
FDD66	1720	1770	20	QPSK	24.4	0.2754	0.1679	17980	18M0G7D
FDD66	1720	1770	20	QAM	23.36	0.2168	0.1321	17890	17M9W7D

Emissions Information FDD71

Band	Frequency Min(MHz)	Frequency Max(MHz)	Band Width (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD71	665.5	695.5	5	QPSK	17.82	0.0605	0.0369	4500	4M50G7D
FDD71	665.5	695.5	5	QAM	17.08	0.0511	0.0311	4470	4M47W7D
FDD71	668	693	10	QPSK	17.79	0.0601	0.0366	8990	8M99G7D
FDD71	668	693	10	QAM	17.03	0.0505	0.0308	8990	8M99W7D
FDD71	670.5	690.5	15	QPSK	17.8	0.0603	0.0367	13490	13M5G7D
FDD71	670.5	690.5	15	QAM	17.13	0.0516	0.0315	13410	13M4W7D

FDD71	673	688	20	QPSK	17.84	0.0608	0.0371	17890	17M9G7D
FDD71	673	688	20	QAM	17.11	0.0514	0.0313	17790	17M8W7D

5. Test Configuration Information

5.1 Laboratory Environmental Conditions

5.1.1 Permanent Facilities

Relative Humidity	Min. = 45%, Max. = 55%		
Atmospheric Pressure	101kPa		
Temperature	Normal	Minimum	Maximum
	25℃	-20℃	55℃
Working Voltage of EUT	Normal	Minimum	Maximum
	3.87V	3.6V	4.45V

5.2 Test Equipments Utilized

Conduction test system

No.	Name	Model	S/N	SW Version	HW Version	Manufacturer	Cal. Date	Cal. Interval
1	Software	Eagle V3.3	N/A	V3.3	N/A	3IN	N/A	N/A
2	Frequency spectrum analyzer	FSQ	101091	V4.75	V11.00	R&S	2024-07-25	1 Year
3	Frequency spectrum analyzer	FSW	101943	1.12	00	R&S	2024-08-21	1 Year
4	Wideband Radio Communication Tester	CMW 500	148874	V3.5.136	N/A	R&S	2024-07-26	1 Year
5	Temperature Chamber	B-TF-107C	201804107	N/A	N/A	BoYi	2024-06-07	1 Year
6	Programmable power supply	Keithley 2303	4039070	N/A	N/A	Keithley	2024-06-07	1 Year
7	RF Test Automation Box	RF 2021B	2001	V3.3	N/A	RANATEC	N/A	N/A

Radiated emission test system

No.	Name	Model	S/N	SW Version	HW Version	Manufacturer	Cal. Date	Cal. Interval
1	Universal Radio Communication Tester	CMU200	123126	V5.2.1	B12	R&S	2024-10-09	1 Year
2	Universal Radio Communication Tester	CMW500	104178	V3.7.20	1206.0600.00	R&S	2024-10-09	1 Year
3	EMI Test Receiver	ESU40	100307	V5.1-24-3	01	R&S	2023-12-19	1 Year

							2024-12-13	
4	TRILOG Broadband Antenna	VULB9163	01345	N/A	N/A	Schwarzbeck	2024-03-29	1 Year
5	Double- ridged Waveguide Antenna	ETS-3117	00135890	N/A	N/A	ETS	2024-03-16	1 Year
6	EMI Test Software	EMC32 V10.35.02	N/A	V10.35.02	N/A	R&S	N/A	N/A
7	Preamplifier	SCU08F1	8320024	N/A	N/A	R&S	2024-10-09	1 Year
8	Preamplifier	SCU18	10155	N/A	N/A	R&S	2024-10-09	1 Year
9	Antenna	SWB-VUBA 9117	9117-266	N/A	N/A	Schwarzbeck	2024-08-31	1 Year
10	Antenna	BBHA9120 D	02112	N/A	N/A	Schwarzbeck	2024-08-03	1 Year
11	Signal Generator	SMF100A	102314	3.20.390.24	05.10	R&S	2024-10-09	1 Year
12	Antenna Tower	TPMDC-LF	N/A	N/A	N/A	Top Precision	N/A	N/A
13	Antenna Tower	TPMDC-HF	N/A	N/A	N/A	Top Precision	N/A	N/A

5.3 Measurement Uncertainty

Measurement Uncertainty of Radiation test

Frequency Range	Uncertainty(dB)
30MHz ≤ f ≤ 1GHz	±5.10
1GHz ≤ f ≤ 18GHz	±5.66
18GHz ≤ f ≤ 40GHz	±5.22

Measurement Uncertainty of Conduction test

No	Item	Extended uncertainty（k=2）	
1	Frequency Tolerance	23Hz	
2	RF Output Power	0.7dB	
3	conducted spurious	9kHz～3.6GHz	1.5dB
		3.6GHz～8.4GHz	2.8dB
		8.4GHz～12.75GHz	3.4dB
4	EVM	2.1%	
5	Occupied Bandwidth	Bandwidth 1.4MHz	0.03MHz
		Bandwidth 3MHz	0.03MHz
		Bandwidth 5MHz	0.03MHz
		Bandwidth 10MHz	0.05MHz

		Bandwidth 15MHz	0.06MHz
		Bandwidth 20MHz	0.08MHz
6	Emission intermodulation	Adjacent channel	1.4dB
		Alternate channel	1.4dB
7	Range of frequency	0.08MHz	

6. Test Results

6.1 Output Power

6.1.1 Measurement Limit

FCC §22.913(a) (5) The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.
FCC §24.232(c) Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.
FCC §27.50(a) For mobile and portable stations transmitting in the 2305–2315 MHz band or the 2350–2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. (EIRP≤24dBm/5MHz).
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) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.
FCC §27.50(d) (4) Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band is limited to 1 watt EIRP.
FCC §27.50(h):Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.
RSS 130 4.6 Frequency bands 698-756 MHz and 777-787 MHz
The e.r.p. shall not exceed 30 watts for mobile equipment and outdoor fixed subscriber equipment. The e.r.p. shall not exceed 3 watts for portable equipment and indoor fixed subscriber equipment.
For base and fixed equipment other than fixed subscriber equipment, refer to SRSP-518 for the e.i.r.p. limits.
RSS-132 5.4 The transmitter output power shall be measured in terms of average power. The equivalent radiated power (e.r.p.) shall not exceed 7 watts for mobile equipment and 3 watts for portable equipment.
RSS-133 5.5 The maximum power spectral density of the equipment, measured in terms of average values, shall comply with the limits specified below. Equipment type: Subscriber equipment,Maximum power spectral density: 2 W /channel bandwidth e.i.r.p.
RSS-139 5.5 The maximum output power of the equipment shall comply with the limits specified below. In the tables, maximum power refers to the equivalent isotropically radiated power (e.i.r.p.) or total radiated power (TRP), measured in terms of average value. Equipment type: Subscriber equipment,Maximum power spectral density: 30 dBm e.i.r.p./channel bandwidth.
RSS-199 5.5 The maximum output power of the equipment shall comply with the limits specified in table 3. In this table, maximum power refers to the equivalent isotropically radiated power (e.i.r.p.) or total radiated power (TRP), measured in terms of average values.
Subscriber equipment other than fixed subscriber equipment shall not exceed an e.i.r.p of 2W per channel bandwidth.

6.1.2 Method of Measurements

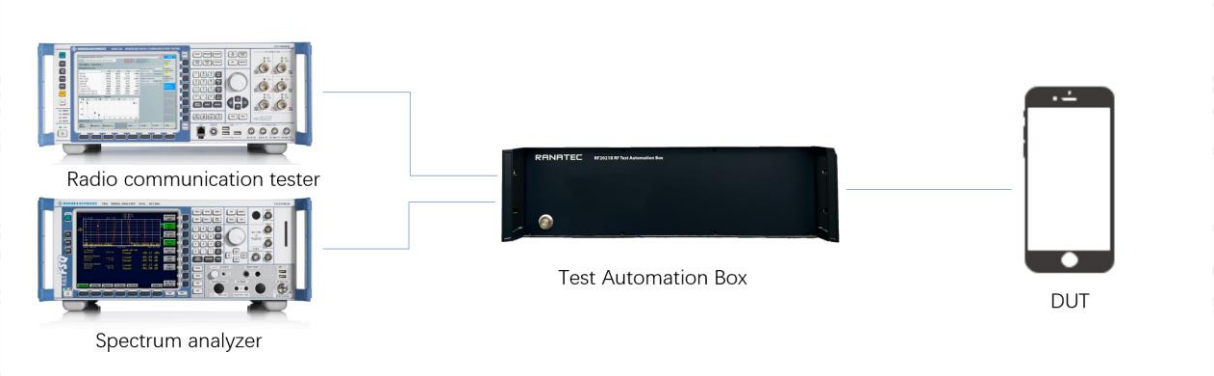
Method of measurements please refer to KDB971168 D01 v03 clause 5.

The EUT was set up for the max output power with pseudo random data modulation.
The power was measured with Rhode & Schwarz base station CMW500.
These measurements were done at 3 frequencies.(bottom, middle and top of operational frequency range).
1. The transmitter output port was connected to base station.
2. Set the EUT at maximum power through base station.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record maximum average power for other modulation signal.
5. During the process of testing, the EUT was controlled Rhode & Schwarz Digital Radio.
6. Communication tester to ensure max power transmission and proper modulation.
7. This result contains output power and EIRP measurements for the EUT. In all cases, output power is within the specified limits.
EIRP= Conducted power+Gain, ERP = EIRP -2.15dBi.

6.1.3 Test procedures

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

6.1.4 Test Setup



6.1.5 Output Power Measurement result

LTE band 2

LTE B2			Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	1.4MHz		
			Channel/Frequency(MHz)		
			18607/1850.7	18900/1880	19193/1909.3
QPSK	1	Low	22.01	22.11	22.02
		Middle	21.75	21.88	21.89
		High	21.71	21.67	21.77
	50%	Low	21.73	21.72	21.66
		Middle	21.71	21.81	21.81
		High	21.63	21.80	21.77
	100%	/	20.70	20.93	20.86
16QAM	1	Low	20.96	21.08	20.95

		Middle	20.98	21.14	21.13
		High	21.07	21.05	21.08
	50%	Low	20.77	20.52	20.71
		Middle	20.91	20.67	20.69
		High	20.83	20.66	20.71
	100%	/	19.79	19.57	19.65
64QAM	1	Low	19.87	19.87	19.85
		Middle	19.86	20.03	19.85
		High	19.65	19.74	19.68
	50%	Low	19.66	19.81	19.63
		Middle	19.68	19.73	19.56
		High	19.74	20.00	19.72
	100%	/	18.88	18.92	18.81
Modulation	RB	RB Offset	3MHz		
			Channel/Frequency(MHz)		
			18615/1851.5	18900/1880	19185/1908.5
QPSK	1	Low	22.03	22.02	22.03
		Middle	21.71	21.86	21.94
		High	21.68	21.67	21.79
	50%	Low	20.79	20.94	20.61
		Middle	20.89	21.05	20.86
		High	20.93	20.85	20.80
	100%	/	20.83	20.81	20.73
16QAM	1	Low	21.20	21.10	20.80
		Middle	21.19	21.26	20.97
		High	21.05	21.07	21.05
	50%	Low	19.80	19.72	19.77
		Middle	19.87	20.02	19.78
		High	19.82	20.00	19.89
	100%	/	19.73	19.73	19.87
64QAM	1	Low	19.78	19.89	20.00
		Middle	19.83	19.90	20.03
		High	19.85	19.77	19.84
	50%	Low	18.93	18.84	18.90
		Middle	18.99	18.80	18.88
		High	19.02	19.00	19.01
	100%	/	18.95	18.92	18.94
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			18625/1852.5	18900/1880	19175/1907.5
QPSK	1	Low	21.93	22.04	22.11
		Middle	21.76	21.91	21.93
		High	21.79	21.72	21.57
	50%	Low	20.86	20.89	20.67

		Middle	20.95	21.02	20.79
		High	20.83	20.87	20.93
	100%	/	20.70	20.82	20.77
16QAM	1	Low	20.96	21.00	20.85
		Middle	20.98	21.10	21.12
		High	20.98	20.97	21.09
	50%	Low	19.72	19.70	19.80
		Middle	19.96	19.79	19.77
		High	19.91	19.93	19.78
	100%	/	19.93	19.69	19.67
64QAM	1	Low	19.87	19.89	19.68
		Middle	19.92	20.01	19.88
		High	19.86	19.87	19.68
	50%	Low	18.91	18.92	18.79
		Middle	18.96	18.87	18.72
		High	18.99	19.07	18.85
	100%	/	18.93	19.00	18.77
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			18650/1855	18900/1880	19150/1905
QPSK	1	Low	22.04	22.03	22.04
		Middle	21.68	21.88	21.93
		High	21.57	21.68	21.74
	50%	Low	20.67	20.76	20.69
		Middle	20.86	20.84	20.75
		High	20.69	20.83	20.86
	100%	/	20.86	20.98	20.61
16QAM	1	Low	21.06	20.97	20.81
		Middle	21.19	21.08	20.97
		High	21.07	21.07	20.94
	50%	Low	19.93	19.84	19.64
		Middle	20.01	19.87	19.74
		High	19.82	19.82	19.86
	100%	/	19.64	19.68	19.75
64QAM	1	Low	19.77	19.88	19.99
		Middle	19.83	19.89	20.03
		High	19.73	19.77	19.83
	50%	Low	18.94	18.85	18.91
		Middle	18.98	18.79	18.87
		High	19.02	19.00	19.01
	100%	/	18.96	18.93	18.93
Modulation	RB	RB Offset	15MHz		
			Channel/Frequency(MHz)		
			18675/1857.5	18900/1880	19125/1902.5

QPSK	1	Low	22.01	22.12	22.06
		Middle	21.74	21.89	21.96
		High	21.72	21.73	21.77
	50%	Low	20.81	20.77	20.72
		Middle	20.83	21.02	20.91
		High	20.72	20.86	20.94
	100%	/	20.72	20.82	20.73
16QAM	1	Low	21.03	20.95	21.09
		Middle	21.17	21.09	21.19
		High	21.14	21.05	21.10
	50%	Low	19.90	19.61	19.85
		Middle	19.99	19.88	19.89
		High	19.92	19.96	19.85
	100%	/	19.83	19.81	19.73
64QAM	1	Low	19.84	19.98	19.85
		Middle	19.91	20.03	19.89
		High	19.74	19.88	19.72
	50%	Low	18.81	19.01	18.80
		Middle	18.84	18.88	18.74
		High	18.94	19.08	18.90
	100%	/	18.68	18.82	18.75
Modulation	RB	RB Offset	20MHz		
			Channel/Frequency(MHz)		
			18700/1860	18900/1880	19100/1900
QPSK	1	Low	22.08	22.11	22.09
		Middle	21.83	21.93	21.98
		High	21.74	21.74	21.83
	50%	Low	20.84	20.85	20.76
		Middle	20.93	20.98	20.94
		High	20.87	20.91	20.90
	100%	/	20.81	20.89	20.82
16QAM	1	Low	21.02	21.03	21.00
		Middle	21.13	21.23	21.15
		High	21.12	21.14	21.11
	50%	Low	19.87	19.77	19.82
		Middle	19.92	19.94	19.81
		High	19.89	19.91	19.93
	100%	/	19.81	19.77	19.82
64QAM	1	Low	19.82	19.94	19.92
		Middle	19.89	19.96	19.97
		High	19.80	19.82	19.78
	50%	Low	18.88	18.91	18.85
		Middle	18.92	18.84	18.80
		High	18.97	19.03	18.94

	100%	/	18.91	18.96	18.86

LTE Band 4

LTE B4			Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	1.4MHz		
			Channel/Frequency(MHz)		
			19957/1710.7	20175/1732.5	20393/1754.3
QPSK	1	Low	22.18	22.40	22.35
		Middle	22.32	22.34	22.32
		High	22.12	22.07	22.11
	50%	Low	22.22	22.16	22.21
		Middle	22.32	22.23	22.31
		High	22.15	22.22	22.26
	100%	/	21.29	21.31	21.35
16QAM	1	Low	21.12	21.43	21.36
		Middle	21.14	21.37	21.40
		High	21.16	21.33	21.16
	50%	Low	21.15	21.22	21.02
		Middle	21.30	21.22	21.05
		High	21.15	21.20	21.11
	100%	/	20.20	20.23	20.10
64QAM	1	Low	20.17	20.06	20.10
		Middle	20.13	20.13	20.13
		High	20.05	19.86	20.05
	50%	Low	19.92	19.80	19.74
		Middle	19.79	19.84	19.87
		High	19.96	19.93	19.81
	100%	/	19.00	18.89	18.92
Modulation	RB	RB Offset	3MHz		
			Channel/Frequency(MHz)		
			19965/1711.5	20175/1732.5	20385/1753.5
QPSK	1	Low	22.20	22.28	22.17
		Middle	22.28	22.40	22.29
		High	22.09	22.15	22.05
	50%	Low	21.28	21.46	21.20
		Middle	21.38	21.55	21.40
		High	21.41	21.35	21.33
	100%	/	21.38	21.27	21.26
16QAM	1	Low	21.32	21.53	21.33
		Middle	21.31	21.37	21.36
		High	21.34	21.15	21.21
	50%	Low	20.38	20.22	20.16
		Middle	20.38	20.37	20.22
		High	20.26	20.34	20.25
	100%	/	20.26	20.39	20.28

64QAM	1	Low	20.20	20.08	20.21
		Middle	20.22	20.20	20.27
		High	20.05	20.09	20.17
	50%	Low	18.99	19.03	18.97
		Middle	18.90	19.11	19.07
		High	19.04	19.13	18.98
	100%	/	19.07	19.09	19.05
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			19975/1712.5	20175/1732.5	20375/1752.5
QPSK	1	Low	22.10	22.30	22.33
		Middle	22.33	22.45	22.36
		High	22.20	22.20	22.03
	50%	Low	21.35	21.33	21.26
		Middle	21.44	21.44	21.33
		High	21.31	21.29	21.34
	100%	/	21.29	21.20	21.18
16QAM	1	Low	21.12	21.35	21.18
		Middle	21.14	21.25	21.31
		High	21.19	21.25	21.17
	50%	Low	20.22	20.40	20.11
		Middle	20.27	20.34	20.13
		High	20.23	20.47	20.18
	100%	/	20.34	20.35	20.12
64QAM	1	Low	20.17	20.08	19.93
		Middle	20.19	20.19	20.16
		High	20.06	20.07	20.05
	50%	Low	18.97	18.99	18.98
		Middle	18.87	19.06	19.03
		High	19.01	19.08	18.94
	100%	/	18.97	19.05	19.00
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			20000/1715	20175/1732.5	20350/1750
QPSK	1	Low	22.21	22.29	22.26
		Middle	22.37	22.42	22.36
		High	22.10	22.16	22.08
	50%	Low	21.28	21.28	21.24
		Middle	21.47	21.34	21.37
		High	21.29	21.33	21.47
	100%	/	21.41	21.44	21.22
16QAM	1	Low	21.18	21.40	21.34
		Middle	21.31	21.19	21.36
		High	21.16	21.15	21.14

	50%	Low	20.31	20.34	20.07
		Middle	20.32	20.22	20.10
		High	20.18	20.16	20.14
	100%	/	20.09	20.14	20.08
64QAM	1	Low	20.11	19.99	20.12
		Middle	20.22	20.19	20.27
		High	20.13	20.09	20.16
	50%	Low	19.08	19.04	18.98
		Middle	18.89	19.02	18.98
		High	19.04	19.05	18.90
	100%	/	19.00	19.02	18.91
Modulation	RB	RB Offset	15MHz		
			Channel/Frequency(MHz)		
			20025/1717.5	20175/1732.5	20325/1747.5
QPSK	1	Low	22.18	22.33	22.28
		Middle	22.23	22.35	22.39
		High	22.05	22.13	22.11
	50%	Low	21.22	21.21	21.27
		Middle	21.36	21.44	21.41
		High	21.24	21.28	21.43
	100%	/	21.31	21.20	21.22
16QAM	1	Low	21.19	21.42	21.50
		Middle	21.21	21.24	21.46
		High	21.31	21.33	21.21
	50%	Low	20.36	20.31	20.16
		Middle	20.38	20.43	20.20
		High	20.24	20.38	20.25
	100%	/	20.24	20.35	20.18
64QAM	1	Low	20.14	20.05	20.10
		Middle	20.18	20.21	20.17
		High	20.06	20.08	20.09
	50%	Low	18.99	19.08	18.91
		Middle	18.87	19.07	18.97
		High	19.08	19.09	18.87
	100%	/	18.84	18.87	18.98
Modulation	RB	RB Offset	20MHz		
			Channel/Frequency(MHz)		
			20050/1720	20175/1732.5	20300/1745
QPSK	1	Low	22.25	22.37	22.31
		Middle	22.40	22.47	22.41
		High	22.15	22.22	22.17
	50%	Low	21.33	21.37	21.31
		Middle	21.42	21.48	21.44
		High	21.35	21.41	21.39

	100%	/	21.36	21.35	21.31
16QAM	1	Low	21.37	21.46	21.41
		Middle	21.25	21.34	21.42
		High	21.29	21.30	21.27
	50%	Low	20.33	20.35	20.21
		Middle	20.31	20.37	20.25
		High	20.21	20.33	20.29
	100%	/	20.22	20.31	20.23
64QAM	1	Low	20.12	20.01	20.13
		Middle	20.16	20.14	20.21
		High	20.08	20.02	20.11
	50%	Low	19.02	18.98	18.92
		Middle	18.91	19.03	18.99
		High	19.07	19.04	18.91
	100%	/	19.03	19.01	18.97

LTE Band 5

LTE B5			Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	1.4MHz		
			Channel/Frequency(MHz)		
			20407/824.7	20525/836.5	20643/848.3
QPSK	1	Low	22.34	22.35	22.40
		Middle	22.37	22.41	22.34
		High	22.35	22.15	22.31
	50%	Low	22.14	22.07	22.17
		Middle	22.23	22.09	22.18
		High	22.07	22.10	22.11
	100%	/	21.10	21.26	21.16
16QAM	1	Low	21.13	21.43	21.14
		Middle	21.15	21.41	21.19
		High	21.18	21.43	21.22
	50%	Low	21.28	21.14	21.10
		Middle	21.40	21.36	21.24
		High	21.36	21.21	21.17
	100%	/	20.37	20.26	20.21
64QAM	1	Low	20.38	20.20	20.44
		Middle	20.40	20.27	20.40
		High	20.28	20.06	20.35
	50%	Low	20.10	19.94	20.03
		Middle	20.02	19.88	20.05
		High	20.10	20.03	20.10
	100%	/	19.20	18.96	19.04
Modulation	RB	RB Offset	3MHz		
			Channel/Frequency(MHz)		
			20415/825.5	20525/836.5	20635/847.5

QPSK	1	Low	22.37	22.24	22.31
		Middle	22.31	22.41	22.27
		High	22.22	22.27	22.17
	50%	Low	21.09	21.22	21.09
		Middle	21.38	21.23	21.13
		High	21.13	21.24	21.32
	100%	/	21.25	21.42	21.14
16QAM	1	Low	21.22	21.32	21.23
		Middle	21.35	21.12	21.26
		High	21.29	21.22	21.31
	50%	Low	20.44	20.23	20.26
		Middle	20.50	20.33	20.40
		High	20.36	20.14	20.31
	100%	/	20.23	20.14	20.30
64QAM	1	Low	20.29	20.32	20.35
		Middle	20.38	20.36	20.35
		High	20.25	20.32	20.27
	50%	Low	19.26	19.21	19.08
		Middle	19.20	19.17	19.13
		High	19.26	19.26	19.16
	100%	/	19.28	19.20	19.05
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			20425/826.5	20525/836.5	20625/846.5
QPSK	1	Low	22.34	22.28	22.33
		Middle	22.36	22.42	22.41
		High	22.36	22.32	22.31
	50%	Low	21.11	21.23	21.23
		Middle	21.24	21.30	21.28
		High	21.05	21.16	21.28
	100%	/	21.12	21.15	21.14
16QAM	1	Low	21.20	21.31	21.39
		Middle	21.22	21.25	21.36
		High	21.36	21.32	21.38
	50%	Low	20.41	20.12	20.35
		Middle	20.48	20.57	20.50
		High	20.45	20.39	20.31
	100%	/	20.41	20.38	20.29
64QAM	1	Low	20.35	20.30	20.33
		Middle	20.34	20.38	20.33
		High	20.26	20.31	20.28
	50%	Low	19.14	19.25	19.09
		Middle	19.07	19.14	19.12
		High	19.19	19.22	19.05

	100%	/	19.01	18.97	18.98
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			20450/829	20525/836.5	20600/844
QPSK	1	Low	22.41	22.32	22.36
		Middle	22.45	22.46	22.43
		High	22.38	22.33	22.37
	50%	Low	21.25	21.31	21.27
		Middle	21.33	21.37	21.31
		High	21.19	21.32	21.24
	100%	/	21.20	21.33	21.23
16QAM	1	Low	21.21	21.38	21.30
		Middle	21.29	21.38	21.32
		High	21.34	21.40	21.36
	50%	Low	20.38	20.27	20.32
		Middle	20.41	20.51	20.47
		High	20.42	20.34	20.38
	100%	/	20.39	20.34	20.37
64QAM	1	Low	20.33	20.26	20.39
		Middle	20.43	20.31	20.40
		High	20.31	20.25	20.33
	50%	Low	19.20	19.15	19.13
		Middle	19.14	19.10	19.17
		High	19.21	19.17	19.20
	100%	/	19.23	19.11	19.09

LTE Band 7

LTE B7			**Maximum Conducted Power (dBm)**		
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			20775/2502.5	21100/2535	21425/2567.5
QPSK	1	Low	22.03	22.16	22.10
		Middle	22.34	22.47	22.29
		High	22.24	22.28	21.97
	50%	Low	21.48	21.48	21.54
		Middle	21.52	21.58	21.46
		High	21.30	21.36	21.45
	100%	/	21.33	21.34	21.29
16QAM	1	Low	21.35	21.40	21.29
		Middle	21.37	21.45	21.39
		High	21.48	21.41	21.52
	50%	Low	20.09	20.01	20.07
		Middle	20.38	20.41	20.40
		High	20.40	20.49	20.25
	100%	/	20.53	20.41	20.23

64QAM	1	Low	20.47	20.43	20.15
		Middle	20.42	20.46	20.28
		High	20.55	20.50	20.38
	50%	Low	19.53	19.52	19.46
		Middle	19.49	19.41	19.40
		High	19.42	19.48	19.42
	100%	/	19.44	19.40	19.44
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			20800/2505	21100/2535	21400/2565
QPSK	1	Low	22.14	22.15	22.03
		Middle	22.38	22.32	22.29
		High	22.14	22.12	22.02
	50%	Low	21.41	21.23	21.44
		Middle	21.62	21.35	21.49
		High	21.35	21.27	21.57
	100%	/	21.49	21.45	21.32
16QAM	1	Low	21.45	21.49	21.44
		Middle	21.58	21.43	21.43
		High	21.50	21.44	21.49
	50%	Low	20.18	20.08	19.96
		Middle	20.36	20.42	20.30
		High	20.36	20.31	20.19
	100%	/	20.29	20.33	20.12
64QAM	1	Low	20.42	20.42	20.27
		Middle	20.38	20.46	20.24
		High	20.54	20.52	20.34
	50%	Low	19.56	19.57	19.46
		Middle	19.58	19.52	19.45
		High	19.52	19.60	19.46
	100%	/	19.54	19.52	19.48
Modulation	RB	RB Offset	15MHz		
			Channel/Frequency(MHz)		
			20825/2507.5	21100/2535	21375/2562.5
QPSK	1	Low	22.11	22.19	22.05
		Middle	22.32	22.50	22.32
		High	22.17	22.29	22.05
	50%	Low	21.43	21.24	21.47
		Middle	21.59	21.53	21.48
		High	21.38	21.30	21.48
	100%	/	21.47	21.29	21.27
16QAM	1	Low	21.54	21.54	21.55
		Middle	21.56	21.56	21.41
		High	21.57	21.54	21.44

	50%	Low	20.15	19.97	20.00
		Middle	20.41	20.55	20.40
		High	20.34	20.45	20.30
	100%	/	20.36	20.46	20.27
64QAM	1	Low	20.37	20.40	20.37
		Middle	20.34	20.48	20.34
		High	20.48	20.44	20.47
	50%	Low	19.48	19.54	19.52
		Middle	19.56	19.42	19.49
		High	19.56	19.49	19.42
	100%	/	19.38	19.22	19.37
Modulation	RB	RB Offset	20MHz		
			Channel/Frequency(MHz)		
			20850/2510	21100/2535	21350/2560
QPSK	1	Low	22.18	22.23	22.08
		Middle	22.41	22.49	22.34
		High	22.19	22.30	22.11
	50%	Low	21.46	21.44	21.51
		Middle	21.57	21.61	21.56
		High	21.41	21.47	21.49
	100%	/	21.44	21.48	21.41
16QAM	1	Low	21.49	21.55	21.51
		Middle	21.52	21.58	21.49
		High	21.55	21.51	21.54
	50%	Low	20.12	20.01	20.09
		Middle	20.34	20.49	20.44
		High	20.38	20.40	20.33
	100%	/	20.41	20.42	20.31
64QAM	1	Low	20.42	20.36	20.32
		Middle	20.39	20.41	20.30
		High	20.49	20.45	20.41
	50%	Low	19.50	19.51	19.45
		Middle	19.52	19.45	19.43
		High	19.47	19.51	19.46
	100%	/	19.49	19.43	19.48

LTE Band 12

LTE B12			**Maximum Conducted Power (dBm)**		
Modulation	RB	RB Offset	1.4MHz		
			Channel/Frequency(MHz)		
			23017/699.7	23095/707.5	23173/715.3
QPSK	1	Low	22.44	22.59	22.61
		Middle	22.53	22.58	22.50
		High	22.45	22.48	22.52
	50%	Low	22.28	22.34	22.38

		Middle	22.37	22.45	22.47
		High	22.34	22.38	22.36
	100%	/	21.51	21.54	21.50
16QAM	1	Low	21.54	21.67	21.51
		Middle	21.56	21.73	21.63
		High	21.57	21.74	21.57
	50%	Low	21.30	21.42	21.29
		Middle	21.44	21.56	21.39
		High	21.48	21.44	21.39
	100%	/	20.57	20.39	20.35
64QAM	1	Low	20.43	20.34	20.42
		Middle	20.23	20.41	20.22
		High	20.22	20.31	20.23
	50%	Low	20.13	20.24	20.25
		Middle	20.18	20.21	20.29
		High	20.15	20.32	20.29
	100%	/	19.30	19.27	19.40
Modulation	RB	RB Offset	3MHz		
			Channel/Frequency(MHz)		
			23025/700.5	23095/707.5	23165/714.5
QPSK	1	Low	22.47	22.48	22.52
		Middle	22.63	22.58	22.54
		High	22.48	22.49	22.49
	50%	Low	21.32	21.38	21.41
		Middle	21.50	21.48	21.53
		High	21.38	21.41	21.57
	100%	/	21.48	21.64	21.37
16QAM	1	Low	21.52	21.49	21.49
		Middle	21.72	21.48	21.59
		High	21.64	21.57	21.62
	50%	Low	20.53	20.55	20.46
		Middle	20.61	20.57	20.56
		High	20.66	20.41	20.54
	100%	/	20.61	20.38	20.40
64QAM	1	Low	20.52	20.35	20.51
		Middle	20.39	20.39	20.28
		High	20.37	20.46	20.21
	50%	Low	19.36	19.47	19.29
		Middle	19.43	19.46	19.36
		High	19.38	19.51	19.34
	100%	/	19.45	19.47	19.40
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			23035/701.5	23095/707.5	23155/713.5

QPSK	1	Low	22.44	22.52	22.54
		Middle	22.57	22.64	22.57
		High	22.39	22.52	22.52
	50%	Low	21.29	21.37	21.44
		Middle	21.42	21.64	21.57
		High	21.36	21.42	21.53
	100%	/	21.48	21.41	21.37
16QAM	1	Low	21.63	21.59	21.65
		Middle	21.65	21.68	21.69
		High	21.71	21.74	21.62
	50%	Low	20.50	20.51	20.48
		Middle	20.59	20.77	20.59
		High	20.64	20.62	20.58
	100%	/	20.68	20.58	20.43
64QAM	1	Low	20.40	20.40	20.42
		Middle	20.28	20.48	20.33
		High	20.31	20.52	20.29
	50%	Low	19.35	19.51	19.37
		Middle	19.41	19.43	19.42
		High	19.42	19.47	19.30
	100%	/	19.29	19.24	19.29
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			23060/704	23095/707.5	23130/711
QPSK	1	Low	22.51	22.56	22.57
		Middle	22.66	22.68	22.59
		High	22.53	22.60	22.58
	50%	Low	21.44	21.52	21.48
		Middle	21.52	21.67	21.60
		High	21.51	21.54	21.49
	100%	/	21.50	21.55	21.46
16QAM	1	Low	21.54	21.62	21.56
		Middle	21.66	21.70	21.65
		High	21.69	21.71	21.67
	50%	Low	20.47	20.55	20.52
		Middle	20.52	20.71	20.63
		High	20.61	20.57	20.61
	100%	/	20.66	20.54	20.52
64QAM	1	Low	20.45	20.36	20.49
		Middle	20.33	20.41	20.34
		High	20.32	20.46	20.28
	50%	Low	19.30	19.41	19.35
		Middle	19.37	19.39	19.41
		High	19.33	19.42	19.39

	100%	/	19.40	19.38	19.45

LTE Band 13

LTE B13			Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			23205/779.5	23230/782	23255/784.5
QPSK	1	Low	22.51	22.56	22.57
		Middle	22.67	22.63	22.65
		High	22.53	22.60	22.67
	50%	Low	21.74	21.65	21.67
		Middle	21.77	21.61	21.72
		High	21.67	21.59	21.65
	100%	/	21.68	21.60	21.63
16QAM	1	Low	21.51	21.55	21.62
		Middle	21.71	21.65	21.66
		High	21.67	21.62	21.57
	50%	Low	20.73	20.71	20.52
		Middle	20.81	20.73	20.65
		High	20.78	20.69	20.54
	100%	/	20.80	20.73	20.74
64QAM	1	Low	20.72	20.62	20.67
		Middle	20.70	20.59	20.61
		High	20.67	20.61	20.54
	50%	Low	19.34	19.23	19.31
		Middle	19.31	19.36	19.24
		High	19.36	19.22	19.21
	100%	/	19.28	19.14	19.17
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			/	23230/782	/
QPSK	1	Low	/	22.62	/
		Middle	/	22.72	/
		High	/	22.71	/
	50%	Low	/	21.67	/
		Middle	/	21.74	/
		High	/	21.71	/
	100%	/	/	21.72	/
16QAM	1	Low	/	21.72	/
		Middle	/	21.69	/
		High	/	21.75	/
	50%	Low	/	20.69	/
		Middle	/	20.88	/
		High	/	20.66	/
	100%	/	/	20.67	/

64QAM	1	Low	/	20.63	/
		Middle	/	20.61	/
		High	/	20.70	/
	50%	Low	/	19.32	/
		Middle	/	19.47	/
		High	/	19.41	/
	100%	/	/	19.52	/

LTE Band 17

LTE B17			Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			23755/706.5	23790/710	23825/713.5
QPSK	1	Low	22.44	22.55	22.49
		Middle	22.41	22.56	22.51
		High	22.40	22.37	22.42
	50%	Low	21.35	21.40	21.39
		Middle	21.55	21.63	21.51
		High	21.46	21.53	21.60
	100%	/	21.36	21.35	21.37
16QAM	1	Low	21.48	21.69	21.63
		Middle	21.50	21.51	21.55
		High	21.43	21.60	21.40
	50%	Low	20.51	20.59	20.46
		Middle	20.72	20.56	20.48
		High	20.59	20.67	20.52
	100%	/	20.54	20.64	20.54
64QAM	1	Low	20.30	20.40	20.42
		Middle	20.33	20.48	20.50
		High	20.45	20.51	20.54
	50%	Low	19.41	19.52	19.54
		Middle	19.45	19.51	19.55
		High	19.37	19.44	19.35
	100%	/	19.30	19.29	19.18
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			23780/709	23790/710	23800/711
QPSK	1	Low	22.51	22.59	22.52
		Middle	22.57	22.60	22.53
		High	22.49	22.45	22.48
	50%	Low	21.45	21.55	21.43
		Middle	21.60	21.62	21.54
		High	21.56	21.61	21.56
	100%	/	21.33	21.45	21.46
16QAM	1	Low	21.52	21.68	21.54

		Middle	21.46	21.56	21.51
		High	21.41	21.53	21.45
	50%	Low	20.48	20.59	20.50
		Middle	20.61	20.46	20.48
		High	20.52	20.58	20.51
	100%	/	20.55	20.60	20.54
64QAM	1	Low	20.31	20.36	20.33
		Middle	20.34	20.41	20.49
		High	20.42	20.45	20.51
	50%	Low	19.39	19.42	19.50
		Middle	19.44	19.47	19.52
		High	19.31	19.39	19.42
	100%	/	19.37	19.43	19.32

LTE Band 25

LTE B25			Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	1.4MHz		
			Channel/Frequency(MHz)		
			26047/1850.7	26365/1882,5	26683/1914.3
QPSK	1	Low	21.40	21.55	21.46
		Middle	22.00	22.09	22.01
		High	21.83	21.76	21.63
	50%	Low	21.71	21.71	21.77
		Middle	21.80	21.86	21.80
		High	21.71	21.76	21.67
	100%	/	20.85	21.01	20.90
16QAM	1	Low	20.88	21.10	20.96
		Middle	20.90	21.04	21.05
		High	20.92	20.94	20.86
	50%	Low	20.91	20.69	20.81
		Middle	21.09	20.88	20.83
		High	20.91	20.76	20.81
	100%	/	19.87	19.82	19.78
64QAM	1	Low	19.90	19.94	19.97
		Middle	19.89	20.03	19.91
		High	19.84	19.90	19.92
	50%	Low	19.75	19.87	19.77
		Middle	19.64	19.78	19.77
		High	19.63	19.75	19.52
	100%	/	18.69	18.87	18.79
Modulation	RB	RB Offset	3MHz		
			Channel/Frequency(MHz)		
			26055/1851.5	26365/1882,5	26675/1913.5
QPSK	1	Low	21.42	21.43	21.36
		Middle	22.01	22.07	22.00

		High	21.80	21.71	21.59
	50%	Low	20.77	20.88	20.78
		Middle	20.86	21.05	20.91
		High	20.89	20.76	20.76
	100%	/	20.85	20.89	20.88
16QAM	1	Low	20.99	21.12	20.93
		Middle	20.98	21.09	21.01
		High	20.96	20.83	20.83
	50%	Low	20.00	19.76	19.87
		Middle	20.06	20.05	19.87
		High	19.97	19.92	19.82
	100%	/	19.88	19.92	19.83
64QAM	1	Low	19.93	19.90	19.95
		Middle	20.03	20.01	19.96
		High	19.91	20.04	19.95
	50%	Low	18.89	18.96	18.91
		Middle	18.82	18.97	18.96
		High	18.78	18.87	18.68
	100%	/	18.75	18.99	18.91
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			26065/1852.5	26365/1882.5	26665/1912.5
QPSK	1	Low	21.32	21.45	21.44
		Middle	22.06	22.12	22.05
		High	21.90	21.75	21.54
	50%	Low	20.83	20.82	20.89
		Middle	20.91	21.01	20.89
		High	20.78	20.77	20.82
	100%	/	20.90	20.90	20.86
16QAM	1	Low	20.88	20.97	20.81
		Middle	20.90	21.00	20.99
		High	20.90	20.86	20.82
	50%	Low	19.93	19.87	19.85
		Middle	20.09	20.00	19.86
		High	19.94	20.03	19.83
	100%	/	20.01	19.99	19.80
64QAM	1	Low	19.89	19.95	19.74
		Middle	19.94	20.00	19.93
		High	19.92	20.02	19.91
	50%	Low	18.82	18.87	18.87
		Middle	18.74	18.81	18.87
		High	18.76	18.77	18.65
	100%	/	18.74	18.90	18.87
Modulation	RB	RB Offset	10MHz		

			Channel/Frequency(MHz)		
			26090/1855	26365/1882.5	26640/1910
QPSK	1	Low	21.43	21.44	21.37
		Middle	22.10	22.09	22.05
		High	21.86	21.77	21.65
	50%	Low	20.82	20.75	20.85
		Middle	21.00	20.83	20.91
		High	20.82	20.73	20.93
	100%	/	20.94	21.00	20.82
16QAM	1	Low	20.91	20.93	20.94
		Middle	20.99	20.80	20.96
		High	20.87	20.78	20.79
	50%	Low	20.02	19.83	19.81
		Middle	20.08	19.96	19.77
		High	19.96	19.85	19.78
	100%	/	19.78	19.86	19.70
64QAM	1	Low	19.91	20.00	19.93
		Middle	19.97	20.06	19.96
		High	19.91	20.04	19.94
	50%	Low	18.96	18.97	18.92
		Middle	18.87	18.90	18.95
		High	18.84	18.81	18.68
	100%	/	18.82	18.94	18.90
Modulation	RB	RB Offset	15MHz		
			Channel/Frequency(MHz)		
			26115/1857.5	26365/1882.5	26615/1907.5
QPSK	1	Low	21.40	21.48	21.39
		Middle	22.04	22.10	22.02
		High	21.83	21.82	21.62
	50%	Low	20.78	20.76	20.82
		Middle	20.86	21.02	20.84
		High	20.74	20.77	20.78
	100%	/	20.81	20.85	20.71
16QAM	1	Low	20.89	21.04	20.99
		Middle	20.96	21.04	21.05
		High	20.99	20.93	20.85
	50%	Low	20.04	19.77	19.89
		Middle	20.17	20.08	19.98
		High	20.00	19.93	19.95
	100%	/	19.86	19.88	19.81
64QAM	1	Low	19.87	19.87	19.92
		Middle	19.94	19.97	19.95
		High	19.93	19.98	19.90
	50%	Low	18.95	19.01	18.93

		Middle	18.85	18.93	18.94
		High	18.88	18.83	18.57
	100%	/	18.66	18.77	18.72
Modulation	RB	RB Offset	20MHz		
			Channel/Frequency(MHz)		
			26140/1860	26365/1882.5	26590/1905
QPSK	1	Low	21.47	21.52	21.42
		Middle	22.13	22.14	22.10
		High	21.91	21.83	21.74
	50%	Low	20.87	20.84	20.92
		Middle	20.95	21.03	20.98
		High	20.88	20.87	20.85
	100%	/	20.89	20.97	20.91
16QAM	1	Low	20.95	21.05	21.01
		Middle	20.98	21.06	21.07
		High	20.97	20.96	20.89
	50%	Low	20.01	19.87	19.92
		Middle	20.10	20.08	19.95
		High	19.97	19.94	19.91
	100%	/	19.89	19.95	19.83
64QAM	1	Low	19.90	19.94	19.92
		Middle	19.97	20.01	19.96
		High	19.92	20.03	19.95
	50%	Low	18.90	18.97	18.92
		Middle	18.81	18.89	18.94
		High	18.79	18.78	18.67
	100%	/	18.77	18.91	18.89

LTE Band 26(824-849)

LTE B26			Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	1.4MHz		
			Channel/Frequency(MHz)		
			26797/824.7	26915/836.5	27033/848.3
QPSK	1	Low	22.35	22.57	22.35
		Middle	22.45	22.44	22.40
		High	22.22	22.28	22.36
	50%	Low	22.21	22.08	22.21
		Middle	22.33	22.24	22.22
		High	22.28	22.26	22.19
	100%	/	21.42	21.39	21.37
16QAM	1	Low	21.17	21.35	21.23
		Middle	21.19	21.36	21.30
		High	21.20	21.28	21.24
	50%	Low	21.21	21.21	21.21
		Middle	21.38	21.18	21.24
		High	21.41	21.22	21.18

	100%	/	20.39	20.37	20.19
64QAM	1	Low	20.28	20.38	20.16
		Middle	20.28	20.36	20.15
		High	20.14	20.23	20.13
	50%	Low	20.07	20.01	20.13
		Middle	19.96	20.05	20.14
		High	20.00	20.10	20.09
	100%	/	19.10	19.16	19.09
Modulation	RB	RB Offset	3MHz		
			Channel/Frequency(MHz)		
			26805/825.5	26915/836.5	27025/847.5
QPSK	1	Low	22.27	22.47	22.33
		Middle	22.52	22.53	22.44
		High	22.36	22.39	22.21
	50%	Low	21.40	21.31	21.27
		Middle	21.39	21.39	21.25
		High	21.30	21.27	21.35
	100%	/	21.36	21.22	21.28
16QAM	1	Low	21.17	21.27	21.13
		Middle	21.19	21.32	21.29
		High	21.29	21.26	21.25
	50%	Low	20.28	20.39	20.30
		Middle	20.43	20.30	20.32
		High	20.43	20.43	20.35
	100%	/	20.47	20.43	20.28
64QAM	1	Low	20.28	20.40	19.99
		Middle	20.34	20.34	20.18
		High	20.23	20.36	20.13
	50%	Low	19.20	19.12	19.29
		Middle	19.12	19.19	19.23
		High	19.13	19.17	19.18
	100%	/	19.15	19.24	19.13
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			26815/826.5	26915/836.5	27015/846.5
QPSK	1	Low	22.38	22.46	22.26
		Middle	22.56	22.50	22.37
		High	22.26	22.35	22.23
	50%	Low	21.27	21.12	21.14
		Middle	21.42	21.21	21.25
		High	21.28	21.23	21.40
	100%	/	21.46	21.44	21.24
16QAM	1	Low	21.15	21.24	21.21
		Middle	21.28	21.18	21.26
		High	21.20	21.18	21.22
	50%	Low	20.37	20.41	20.26

		Middle	20.48	20.26	20.29
		High	20.46	20.20	20.28
	100%	/	20.36	20.36	20.24
64QAM	1	Low	20.30	20.39	20.18
		Middle	20.37	20.34	20.24
		High	20.22	20.32	20.19
	50%	Low	19.23	19.11	19.29
		Middle	19.14	19.17	19.26
		High	19.16	19.16	19.19
	100%	/	19.18	19.23	19.17
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			26840/829	26915/836.5	26990/844
QPSK	1	Low	22.35	22.50	22.28
		Middle	22.50	22.45	22.47
		High	22.29	22.34	22.33
	50%	Low	21.35	21.13	21.24
		Middle	21.45	21.39	21.29
		High	21.37	21.26	21.36
	100%	/	21.44	21.28	21.24
16QAM	1	Low	21.18	21.34	21.37
		Middle	21.20	21.31	21.36
		High	21.27	21.34	21.22
	50%	Low	20.34	20.36	20.28
		Middle	20.46	20.45	20.32
		High	20.44	20.40	20.32
	100%	/	20.43	20.49	20.27
64QAM	1	Low	20.25	20.31	20.16
		Middle	20.33	20.30	20.19
		High	20.23	20.31	20.20
	50%	Low	19.22	19.21	19.40
		Middle	19.12	19.20	19.35
		High	19.20	19.18	19.18
	100%	/	19.02	19.06	19.06
Modulation	RB	RB Offset	15MHz		
			Channel/Frequency(MHz)		
			26865/831.5	26915/836.5	26965/841.5
QPSK	1	Low	22.42	22.54	22.31
		Middle	22.59	22.55	22.49
		High	22.31	22.41	22.42
	50%	Low	21.38	21.27	21.31
		Middle	21.43	21.41	21.35
		High	21.40	21.37	21.32
	100%	/	21.41	21.35	21.33
16QAM	1	Low	21.40	21.30	21.28
		Middle	21.22	21.33	21.32

		High	21.31	21.31	21.27
	50%	Low	20.37	20.40	20.32
		Middle	20.45	20.39	20.36
		High	20.47	20.35	20.38
	100%	/	20.41	20.45	20.34
64QAM	1	Low	20.23	20.33	20.21
		Middle	20.31	20.29	20.25
		High	20.17	20.31	20.21
	50%	Low	19.17	19.11	19.33
		Middle	19.08	19.16	19.29
		High	19.11	19.13	19.22
	100%	/	19.13	19.20	19.17

LTE Band 38

LTE B38			Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			37775/2572.5	38000/2595	38225/2617.5
QPSK	1	Low	21.92	22.02	21.99
		Middle	22.23	22.29	22.07
		High	22.18	21.99	21.89
	50%	Low	21.06	21.11	21.13
		Middle	21.19	21.19	21.09
		High	21.07	21.05	21.10
	100%	/	21.16	21.13	21.08
16QAM	1	Low	21.17	21.11	20.98
		Middle	21.19	21.32	21.22
		High	21.13	21.14	21.22
	50%	Low	20.05	20.20	20.21
		Middle	20.18	20.20	20.16
		High	20.05	20.28	20.11
	100%	/	20.25	20.18	20.11
64QAM	1	Low	20.17	20.26	20.05
		Middle	20.17	20.26	20.19
		High	20.27	20.34	20.30
	50%	Low	19.16	19.22	19.13
		Middle	19.20	19.26	19.27
		High	19.14	19.18	19.18
	100%	/	19.12	19.20	19.09
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			37800/2575	38000/2595	38200/2615
QPSK	1	Low	21.98	22.01	21.92
		Middle	22.27	22.31	22.12
		High	22.08	22.00	21.99
	50%	Low	20.99	21.03	21.08

		Middle	21.22	21.06	21.10
		High	21.10	21.01	21.20
	100%	/	21.20	21.24	21.04
16QAM	1	Low	21.15	21.03	21.06
		Middle	21.28	21.13	21.19
		High	21.10	21.04	21.16
	50%	Low	20.14	20.19	20.14
		Middle	20.23	20.13	20.10
		High	20.08	20.07	20.04
	100%	/	20.03	20.10	20.02
64QAM	1	Low	20.19	20.30	20.24
		Middle	20.20	20.31	20.22
		High	20.26	20.41	20.33
	50%	Low	19.19	19.27	19.13
		Middle	19.22	19.30	19.30
		High	19.22	19.23	19.22
	100%	/	19.20	19.25	19.13
Modulation	RB	RB Offset	15MHz		
			Channel/Frequency(MHz)		
			37825/2577.5	38000/2595	38175/2612.5
QPSK	1	Low	22.00	22.05	21.94
		Middle	22.21	22.32	22.15
		High	22.11	22.05	21.97
	50%	Low	21.01	21.04	21.06
		Middle	21.19	21.24	21.09
		High	21.08	21.09	21.16
	100%	/	21.13	21.13	21.04
16QAM	1	Low	21.19	21.18	21.22
		Middle	21.21	21.31	21.29
		High	21.17	21.14	21.23
	50%	Low	20.11	20.08	20.23
		Middle	20.21	20.26	20.20
		High	20.06	20.16	20.15
	100%	/	20.15	20.18	20.17
64QAM	1	Low	20.19	20.23	20.27
		Middle	20.21	20.28	20.20
		High	20.32	20.40	20.34
	50%	Low	19.23	19.31	19.14
		Middle	19.25	19.27	19.29
		High	19.26	19.19	19.11
	100%	/	19.04	19.02	18.95
Modulation	RB	RB Offset	20MHz		
			Channel/Frequency(MHz)		
			37850/2580	38000/2595	38150/2610

QPSK	1	Low	22.07	22.09	21.97
		Middle	22.35	22.36	22.17
		High	22.18	22.06	22.08
	50%	Low	21.09	21.12	21.15
		Middle	21.22	21.20	21.17
		High	21.16	21.14	21.12
	100%	/	21.15	21.20	21.13
16QAM	1	Low	21.08	21.14	21.13
		Middle	21.22	21.33	21.25
		High	21.15	21.16	21.21
	50%	Low	20.08	20.17	20.20
		Middle	20.14	20.25	20.17
		High	20.03	20.16	20.11
	100%	/	20.13	20.19	20.14
64QAM	1	Low	20.17	20.24	20.22
		Middle	20.19	20.26	20.21
		High	20.23	20.31	20.30
	50%	Low	19.15	19.18	19.09
		Middle	19.18	19.20	19.25
		High	19.14	19.11	19.17
	100%	/	19.12	19.13	19.08

LTE Band 41

LTE B41			Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			39675/2498.5	40620/2593	41565/2687.5
QPSK	1	Low	22.14	22.13	22.29
		Middle	22.45	22.51	22.50
		High	22.45	22.04	22.17
	50%	Low	21.20	21.49	21.48
		Middle	21.49	21.61	21.57
		High	21.45	21.19	21.62
	100%	/	21.39	21.05	21.39
16QAM	1	Low	20.96	20.97	21.07
		Middle	21.06	21.14	21.23
		High	21.17	21.16	21.15
	50%	Low	20.08	20.06	20.16
		Middle	20.23	20.20	20.28
		High	20.20	20.22	20.34
	100%	/	20.28	20.19	20.20
64QAM	1	Low	20.14	20.11	20.28
		Middle	20.19	20.19	20.29
		High	20.28	20.27	20.15
	50%	Low	19.21	19.30	19.47

		Middle	19.32	19.25	19.28
		High	19.17	19.21	19.19
	100%	/	19.29	19.20	19.37
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			39700/2501	40620/2593	41540/2685
QPSK	1	Low	22.25	22.06	22.22
		Middle	22.49	22.43	22.50
		High	22.35	22.01	22.22
	50%	Low	21.21	21.28	21.41
		Middle	21.57	21.46	21.56
		High	21.48	21.29	21.70
	100%	/	21.48	21.06	21.38
16QAM	1	Low	20.91	21.02	21.18
		Middle	21.04	21.11	21.23
		High	21.03	21.16	21.12
	50%	Low	20.09	20.05	20.12
		Middle	20.20	20.12	20.25
		High	20.18	20.13	20.30
	100%	/	20.14	20.18	20.13
64QAM	1	Low	20.19	20.25	20.44
		Middle	20.17	20.14	20.37
		High	20.22	20.22	20.23
	50%	Low	19.19	19.22	19.52
		Middle	19.34	19.20	19.39
		High	19.20	19.17	19.31
	100%	/	19.32	19.16	19.41
Modulation	RB	RB Offset	15MHz		
			Channel/Frequency(MHz)		
			39725/2503.5	40620/2593	41515/2682.5
QPSK	1	Low	22.22	22.08	22.24
		Middle	22.43	22.54	22.53
		High	22.30	22.04	22.17
	50%	Low	21.18	21.34	21.33
		Middle	21.57	21.61	21.57
		High	21.54	21.28	21.63
	100%	/	21.49	21.09	21.35
16QAM	1	Low	21.11	21.29	21.31
		Middle	21.10	21.29	21.33
		High	21.18	21.20	21.14
	50%	Low	20.14	20.11	20.16
		Middle	20.26	20.19	20.30
		High	20.21	20.21	20.36
	100%	/	20.18	20.25	20.26

64QAM	1	Low	20.11	20.28	20.45
		Middle	20.10	20.23	20.38
		High	20.20	20.26	20.16
	50%	Low	19.15	19.26	19.45
		Middle	19.24	19.22	19.30
		High	19.24	19.09	19.12
	100%	/	19.16	18.98	19.15
Modulation	RB	RB Offset	20MHz		
			Channel/Frequency(MHz)		
			39750/2506	40620/2593	41490/2680
QPSK	1	Low	22.29	22.11	22.27
		Middle	22.52	22.56	22.55
		High	22.40	22.18	22.31
	50%	Low	21.26	21.43	21.45
		Middle	21.52	21.61	21.60
		High	21.54	21.21	21.59
	100%	/	21.43	21.15	21.44
16QAM	1	Low	21.09	21.17	21.22
		Middle	21.06	21.25	21.26
		High	21.16	21.26	21.17
	50%	Low	20.11	20.16	20.18
		Middle	20.19	20.24	20.32
		High	20.18	20.25	20.37
	100%	/	20.16	20.22	20.20
64QAM	1	Low	20.09	20.23	20.37
		Middle	20.16	20.16	20.31
		High	20.22	20.25	20.18
	50%	Low	19.18	19.24	19.46
		Middle	19.28	19.21	19.32
		High	19.15	19.18	19.24
	100%	/	19.27	19.17	19.34

LTE Band 41(Note 1)

LTE B41			**Maximum Conducted Power (dBm)**		
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			39715/2502.5	40620/2593	41565/2687.5
QPSK	1	Low	22.22	22.13	22.29
		Middle	22.42	22.51	22.50
		High	22.43	22.04	22.17
	50%	Low	21.31	21.49	21.48
		Middle	21.52	21.61	21.57
		High	21.40	21.19	21.62
	100%	/	21.30	21.05	21.39
16QAM	1	Low	21.60	20.97	21.07

		Middle	21.62	21.14	21.23
		High	21.45	21.16	21.15
	50%	Low	20.32	20.06	20.16
		Middle	20.54	20.20	20.28
		High	20.43	20.22	20.34
	100%	/	20.50	20.19	20.20
64QAM	1	Low	20.27	20.11	20.28
		Middle	20.24	20.19	20.29
		High	20.28	20.27	20.15
	50%	Low	19.24	19.30	19.47
		Middle	19.14	19.25	19.28
		High	19.10	19.21	19.19
	100%	/	19.09	19.20	19.37
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			39740/2505	40620/2593	41540/2685
QPSK	1	Low	22.33	22.06	22.22
		Middle	22.41	22.43	22.50
		High	22.33	22.01	22.22
	50%	Low	21.24	21.28	21.41
		Middle	21.55	21.46	21.56
		High	21.43	21.29	21.70
	100%	/	21.39	21.06	21.38
16QAM	1	Low	21.58	21.02	21.18
		Middle	21.71	21.11	21.23
		High	21.42	21.16	21.12
	50%	Low	20.36	20.05	20.12
		Middle	20.59	20.12	20.25
		High	20.46	20.13	20.30
	100%	/	20.33	20.18	20.13
64QAM	1	Low	20.34	20.25	20.44
		Middle	20.27	20.14	20.37
		High	20.22	20.22	20.23
	50%	Low	19.22	19.22	19.52
		Middle	19.16	19.20	19.39
		High	19.18	19.17	19.31
	100%	/	19.17	19.16	19.41
Modulation	RB	RB Offset	15MHz		
			Channel/Frequency(MHz)		
			39765/2507.5	40620/2593	41515/2682.5
QPSK	1	Low	22.30	22.08	22.24
		Middle	22.35	22.54	22.53
		High	22.36	22.04	22.17
	50%	Low	21.26	21.34	21.33

		Middle	21.57	21.61	21.57
		High	21.46	21.28	21.63
	100%	/	21.37	21.09	21.35
16QAM	1	Low	21.67	21.29	21.31
		Middle	21.69	21.29	21.33
		High	21.44	21.20	21.14
	50%	Low	20.33	20.11	20.16
		Middle	20.57	20.19	20.30
		High	20.44	20.21	20.36
	100%	/	20.45	20.25	20.26
64QAM	1	Low	20.24	20.28	20.45
		Middle	20.18	20.23	20.38
		High	20.23	20.26	20.16
	50%	Low	19.21	19.26	19.45
		Middle	19.19	19.22	19.30
		High	19.22	19.09	19.12
	100%	/	19.01	18.98	19.15
Modulation	RB	RB Offset	20MHz		
			Channel/Frequency(MHz)		
			39790/2510	40620/2593	41490/2680
QPSK	1	Low	22.37	22.11	22.27
		Middle	22.49	22.56	22.55
		High	22.43	22.18	22.31
	50%	Low	21.34	21.43	21.45
		Middle	21.55	21.61	21.60
		High	21.49	21.21	21.59
	100%	/	21.34	21.15	21.44
16QAM	1	Low	21.42	21.17	21.22
		Middle	21.65	21.25	21.26
		High	21.47	21.26	21.17
	50%	Low	20.35	20.16	20.18
		Middle	20.55	20.24	20.32
		High	20.46	20.25	20.37
	100%	/	20.43	20.22	20.20
64QAM	1	Low	20.27	20.23	20.37
		Middle	20.21	20.16	20.31
		High	20.22	20.25	20.18
	50%	Low	19.21	19.24	19.46
		Middle	19.15	19.21	19.32
		High	19.13	19.18	19.24
	100%	/	19.12	19.17	19.34

Note 1: This frequency range is only applicable for IC certification.

LTE Band 66

LTE B66			Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	1.4MHz		
			Channel/Frequency(MHz)		
			131979/1710.7	132322/1745	132665/1779.3
QPSK	1	Low	22.20	22.24	22.15
		Middle	22.37	22.40	22.32
		High	21.71	21.58	21.66
	50%	Low	22.21	22.07	22.17
		Middle	22.35	22.41	22.41
		High	22.27	22.13	22.18
	100%	/	21.41	21.42	21.38
16QAM	1	Low	21.30	21.46	21.27
		Middle	21.32	21.41	21.38
		High	21.25	21.42	21.35
	50%	Low	21.13	21.18	21.18
		Middle	21.26	21.14	21.23
		High	21.25	21.24	21.30
	100%	/	20.18	20.18	20.10
64QAM	1	Low	20.06	20.14	20.15
		Middle	20.12	20.27	20.15
		High	20.04	20.12	20.05
	50%	Low	19.92	20.01	19.98
		Middle	19.95	20.08	20.02
		High	19.93	20.06	20.02
	100%	/	19.08	19.06	19.00
Modulation	RB	RB Offset	3MHz		
			Channel/Frequency(MHz)		
			131987/1711.5	132322/1745	132657/1778.5
QPSK	1	Low	22.22	22.12	22.05
		Middle	22.33	22.41	22.40
		High	21.68	21.61	21.71
	50%	Low	21.27	21.29	21.24
		Middle	21.41	21.56	21.49
		High	21.45	21.09	21.24
	100%	/	21.42	21.30	21.37
16QAM	1	Low	21.48	21.54	21.24
		Middle	21.47	21.47	21.34
		High	21.44	21.38	21.32
	50%	Low	20.31	20.26	20.24
		Middle	20.37	20.40	20.29
		High	20.39	20.52	20.33
	100%	/	20.27	20.40	20.23
64QAM	1	Low	20.15	20.22	20.21

		Middle	20.21	20.20	20.24
		High	20.12	20.21	20.18
	50%	Low	19.13	19.16	19.22
		Middle	19.23	19.27	19.22
		High	19.12	19.18	19.13
	100%	/	19.18	19.18	19.07
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			131997/1712.5	132322/1745	132647/1777.5
QPSK	1	Low	22.12	22.14	22.13
		Middle	22.38	22.49	22.42
		High	21.79	21.69	21.64
	50%	Low	21.34	21.27	21.33
		Middle	21.47	21.59	21.48
		High	21.35	21.17	21.31
	100%	/	21.35	21.25	21.29
16QAM	1	Low	21.33	21.38	21.17
		Middle	21.35	21.37	21.37
		High	21.31	21.34	21.36
	50%	Low	20.17	20.30	20.27
		Middle	20.34	20.29	20.28
		High	20.36	20.54	20.34
	100%	/	20.32	20.33	20.15
64QAM	1	Low	20.12	20.22	20.01
		Middle	20.27	20.25	20.21
		High	20.22	20.22	20.08
	50%	Low	19.14	19.09	19.17
		Middle	19.17	19.16	19.18
		High	19.06	19.07	19.06
	100%	/	19.13	19.05	18.99
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			132022/1715	132322/1745	132622/1775
QPSK	1	Low	22.23	22.13	22.06
		Middle	22.42	22.46	22.42
		High	21.69	21.65	21.63
	50%	Low	21.27	21.14	21.17
		Middle	21.44	21.41	21.38
		High	21.27	21.16	21.36
	100%	/	21.39	21.50	21.25
16QAM	1	Low	21.28	21.44	21.25
		Middle	21.41	21.32	21.37
		High	21.28	21.41	21.36
	50%	Low	20.32	20.38	20.26

		Middle	20.39	20.25	20.28
		High	20.39	20.25	20.33
	100%	/	20.18	20.14	20.11
64QAM	1	Low	20.14	20.12	20.20
		Middle	20.27	20.16	20.24
		High	20.18	20.21	20.08
	50%	Low	19.17	19.14	19.17
		Middle	19.22	20.20	19.21
		High	19.12	19.12	19.13
	100%	/	19.19	19.13	19.06
Modulation	RB	RB Offset	15MHz		
			Channel/Frequency(MHz)		
			132047/1717.5	132322/1745	132597/1772.5
QPSK	1	Low	22.20	22.17	22.08
		Middle	22.30	22.47	22.45
		High	21.66	21.70	21.72
	50%	Low	21.23	21.15	21.26
		Middle	21.41	21.59	21.48
		High	21.33	21.10	21.32
	100%	/	21.46	21.25	21.25
16QAM	1	Low	21.46	21.45	21.41
		Middle	21.48	21.36	21.44
		High	21.41	21.42	21.40
	50%	Low	20.29	20.27	20.26
		Middle	20.34	20.38	20.29
		High	20.34	20.48	20.35
	100%	/	20.16	20.36	20.15
64QAM	1	Low	20.03	20.19	20.12
		Middle	20.17	20.27	20.22
		High	20.13	20.29	20.18
	50%	Low	19.16	19.21	19.24
		Middle	19.20	19.20	19.26
		High	19.16	19.11	19.08
	100%	/	19.03	18.93	18.94
Modulation	RB	RB Offset	20MHz		
			Channel/Frequency(MHz)		
			132072/1720	132322/1745	132572/1770
QPSK	1	Low	22.27	22.21	22.11
		Middle	22.45	22.51	22.47
		High	21.74	21.71	21.78
	50%	Low	21.32	21.23	21.30
		Middle	21.45	21.55	21.51
		High	21.39	21.21	21.28
	100%	/	21.40	21.38	21.34

16QAM	1	Low	21.43	21.47	21.32
		Middle	21.41	21.44	21.40
		High	21.36	21.45	21.38
	50%	Low	20.23	20.31	20.29
		Middle	20.27	20.32	20.32
		High	20.31	20.40	20.37
	100%	/	20.20	20.29	20.18
64QAM	1	Low	20.07	20.12	20.13
		Middle	20.21	20.17	20.18
		High	20.13	20.20	20.09
	50%	Low	19.08	19.11	19.14
		Middle	19.13	19.16	19.17
		High	19.04	19.06	19.09
	100%	/	19.11	19.07	19.02

LTE Band 71

LTE B71			Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	5MHz		
			Channel/Frequency(MHz)		
			133147/665.5	133297/680.5	133447/695.5
QPSK	1	Low	21.83	21.94	21.97
		Middle	22.09	22.22	22.09
		High	22.10	22.05	21.86
	50%	Low	21.10	21.14	21.12
		Middle	21.16	21.09	21.04
		High	21.10	21.21	21.24
	100%	/	21.10	21.17	21.15
16QAM	1	Low	21.26	21.32	21.16
		Middle	21.28	21.48	21.46
		High	21.41	21.37	21.35
	50%	Low	20.25	20.18	20.17
		Middle	20.42	20.16	20.21
		High	20.27	20.32	20.26
	100%	/	20.34	20.19	20.13
64QAM	1	Low	20.28	20.31	20.05
		Middle	20.39	20.41	20.35
		High	20.35	20.34	20.29
	50%	Low	19.31	19.28	19.24
		Middle	19.37	19.25	19.38
		High	19.37	19.47	19.33
	100%	/	19.30	19.37	19.30
Modulation	RB	RB Offset	10MHz		
			Channel/Frequency(MHz)		
			133172/668	133297/680.5	133422/693
QPSK	1	Low	21.94	21.93	21.90

		Middle	22.19	22.19	22.09
		High	22.06	22.07	21.97
	50%	Low	21.07	21.07	21.08
		Middle	21.23	20.91	21.06
		High	21.14	21.09	21.29
	100%	/	21.20	21.25	21.11
16QAM	1	Low	21.24	21.21	21.24
		Middle	21.39	21.28	21.43
		High	21.40	21.37	21.32
	50%	Low	20.40	20.28	20.11
		Middle	20.53	20.20	20.18
		High	20.36	20.17	20.22
	100%	/	20.17	20.12	20.09
64QAM	1	Low	20.22	20.22	20.16
		Middle	20.34	20.39	20.44
		High	20.28	20.36	20.38
	50%	Low	19.28	19.33	19.30
		Middle	19.39	19.29	19.41
		High	19.40	19.52	19.37
	100%	/	19.33	19.42	19.34
Modulation	RB	RB Offset	15MHz		
			Channel/Frequency(MHz)		
			133197/670.5	133297/680.5	133397/690.5
QPSK	1	Low	21.91	21.97	21.92
		Middle	22.13	22.20	22.12
		High	22.09	22.06	22.00
	50%	Low	21.11	21.02	21.11
		Middle	21.22	21.09	21.10
		High	21.19	21.12	21.25
	100%	/	21.20	21.15	21.11
16QAM	1	Low	21.35	21.37	21.40
		Middle	21.37	21.47	21.53
		High	21.41	21.45	21.39
	50%	Low	20.31	20.15	20.26
		Middle	20.43	20.33	20.28
		High	20.26	20.31	20.33
	100%	/	20.22	20.25	20.19
64QAM	1	Low	20.21	20.26	20.14
		Middle	20.36	20.41	20.36
		High	20.33	20.33	20.31
	50%	Low	19.31	19.35	19.23
		Middle	19.37	19.20	19.40
		High	19.44	19.42	19.26
	100%	/	19.17	19.13	19.16

Modulation	RB	RB Offset	20MHz		
			Channel/Frequency(MHz)		
			133222/673	133322/683	133372/688
QPSK	1	Low	21.98	22.01	21.95
		Middle	22.22	22.24	22.14
		High	22.11	22.13	22.06
	50%	Low	21.14	21.16	21.15
		Middle	21.20	21.11	21.13
		High	21.22	21.25	21.21
	100%	/	21.17	21.24	21.20
16QAM	1	Low	21.21	21.35	21.31
		Middle	21.33	21.51	21.49
		High	21.45	21.44	21.37
	50%	Low	20.34	20.21	20.25
		Middle	20.44	20.27	20.33
		High	20.31	20.26	20.37
	100%	/	20.28	20.21	20.24
64QAM	1	Low	20.21	20.22	20.17
		Middle	20.34	20.40	20.38
		High	20.27	20.33	20.31
	50%	Low	19.26	19.31	19.22
		Middle	19.31	19.20	19.32
		High	19.33	19.41	19.28
	100%	/	19.26	19.31	19.25

6.1.6 EIRP/ERP Results

LTE Band 2

Limits: ≤33dBm (2W)

LTE Band 2_1.4MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1850.7	24.20	33.00
1880	24.30	33.00
1909.3	24.21	33.00

LTE Band 2_1.4MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1850.7	23.26	33.00
1880	23.33	33.00
1909.3	23.32	33.00

LTE Band 2_1.4MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1850.7	22.06	33.00
1880	22.22	33.00
1909.3	22.04	33.00

LTE Band 2_3MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1851.5	24.22	33.00
1880	24.21	33.00
1908.5	24.22	33.00

LTE Band 2_3MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1851.5	23.39	33.00
1880	23.45	33.00
1908.5	23.24	33.00

LTE Band 2_3MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1851.5	22.04	33.00
1880	22.09	33.00
1908.5	22.22	33.00

LTE Band 2_5MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1852.5	24.12	33.00
1880	24.23	33.00
1907.5	24.30	33.00

LTE Band 2_5MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1852.5	23.17	33.00
1880	23.29	33.00
1907.5	23.31	33.00

LTE Band 2_5MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1852.5	22.11	33.00
1880	22.20	33.00
1907.5	22.07	33.00

LTE Band 2_10MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1855	24.23	33.00
1880	24.22	33.00
1905	24.23	33.00

LTE Band 2_10MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1855	23.38	33.00
1880	23.27	33.00
1905	23.16	33.00

LTE Band 2_10MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1855	22.02	33.00
1880	22.08	33.00

1905	22.22	33.00

LTE Band 2_15MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1857.5	24.20	33.00
1880	24.31	33.00
1902.5	24.25	33.00

LTE Band 2_15MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1857.5	23.36	33.00
1880	23.28	33.00
1902.5	23.38	33.00

LTE Band 2_15MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1857.5	22.10	33.00
1880	22.22	33.00
1902.5	22.08	33.00

LTE Band 2_20 MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1860	24.27	33.00
1880	24.30	33.00
1900	24.28	33.00

LTE Band 2_20 MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1860	23.32	33.00
1880	23.42	33.00
1900	23.34	33.00

LTE Band 2_20 MHz_64`QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1860	22.08	33.00
1880	22.15	33.00
1900	22.16	33.00

LTE Band 4

Limits: ≤30dBm (1W)

LTE Band 4_1.4MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1710.7	24.17	30.00
1732.5	24.25	30.00
1754.3	24.20	30.00

LTE Band 4_1.4MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1710.7	23.15	30.00
1732.5	23.28	30.00
1754.3	23.25	30.00

LTE Band 4_1.4MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1710.7	22.02	30.00
1732.5	21.98	30.00
1754.3	21.98	30.00

LTE Band 4_3MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1711.5	24.13	30.00
1732.5	24.25	30.00
1753.5	24.14	30.00

LTE Band 4_3MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1711.5	23.19	30.00
1732.5	23.38	30.00
1753.5	23.21	30.00

LTE Band 4_3MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1711.5	22.07	30.00
1732.5	22.05	30.00
1753.5	22.12	30.00

LTE Band 4_5MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1712.5	24.18	30.00
1732.5	24.30	30.00
1752.5	24.21	30.00

LTE Band 4_5MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1712.5	23.04	30.00
1732.5	23.20	30.00
1752.5	23.16	30.00

LTE Band 4_5MHz_64QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1712.5	22.04	30.00
1732.5	22.04	30.00
1752.5	22.01	30.00

LTE Band 4_10MHz_QPSK

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1715	24.22	30.00
1732.5	24.27	30.00
1750	24.21	30.00

LTE Band 4_10MHz_16QAM

Frequency(MHz)	EIRP(dBm)	Limit(dBm)
1715	23.16	30.00
1732.5	23.25	30.00