

TEST REPORT

Applicant: MeiG Smart Technology Co., Ltd
Address: 2nd Floor, Office Building, No.5 Lingxia Road, Fenghuang, Fuyong Street, Bao'an District, Shenzhen
Equipment Type: LTE-A module
Model Name: SLM828G
Brand Name: MEIGLink
FCC ID: 2APJ4-SLM828G
Test Standard: 47 CFR Part 2
(Others refer to chapter 3.1)
Sample Arrival Date: Feb. 28, 2024
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ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Jiamin Lu**Checked by:** Wu Huihui**Approved by:** Tolan Tu
(Testing Director)

Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>Apr. 25, 2024</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☒ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	MeiG Smart Technology Co., Ltd
Address	2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong Street,Bao'an District,Shenzhen

2.2 Manufacturer Information

Manufacturer	MeiG Smart Technology Co., Ltd
Address	2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong Street,Bao'an District,Shenzhen

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	LTE-A module
Model Name Under Test	SLM828G
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	SLM828-G_MB_V1.00
Software Version	SLM828-G_1.0.9_EQ100
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

All Network and Wireless connectivity for EUT	WCDMA/HSDPA/HSUPA/HSPA+ Band 2/4/5/8 4G Network LTE FDD Band 2/4/5/7/8/20/28/32/66 LTE TDD Band 38/39/41/40/42/43/48 LTE CA Uplink (UL): 38C/39C/40C/41C/42C GPS, GLONASS, BDS, Galileo
About the Product	The equipment is Moudle, intended for used with information technology equipment.

The following is the technical information of the EUT tested frequency bands in this report.

Operating Bands	WCDMA/HSDPA/HSUPA/HSPA+ Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/66 LTE TDD Band 38/40/41/42/43/48 LTE CA Uplink (UL): 38C/41C/42C	
Modulation Type	WCDMA	QPSK
	HSDPA	QPSK
	/HSUPA	16QAM
	LTE	QPSK
		16QAM
		64QAM
Antenna Type	External Antenna	
Antenna Gain	WCDMA/HSDPA/HSUPA Band 2: -0.80 dBi WCDMA/HSDPA/HSUPA Band 4: -1.40 dBi WCDMA/HSDPA/HSUPA Band 5: -0.80 dBi FDD LTE Band 2: -0.80 dBi FDD LTE Band 4: -1.40 dBi FDD LTE Band 5: -0.80 dBi FDD LTE Band 7: 1.70 dBi FDD LTE Band 66: -1.40 dBi FDD LTE Band 38: 1.90 dBi FDD LTE Band 40: 0.2 dBi FDD LTE Band 41: 2.40 dBi FDD LTE Band 42: 1.50 dBi FDD LTE Band 43: 1.20 dBi FDD LTE Band 48: 0.20 dBi CA_38C: 1.90 dBi CA_41C: 2.40 dBi CA_42C: 1.50 dBi	
The Max RF Output Power (EIRP/ERP)	WCDMA/HSDPA/HSUPA Band 2: 25.46 dBm WCDMA/HSDPA/HSUPA Band 4: 23.96 dBm WCDMA/HSDPA/HSUPA Band 5: 22.16 dBm FDD LTE Band 2: 25.33 dBm	

		FDD LTE Band 4: 23.34 dBm FDD LTE Band 5: 21.44 dBm FDD LTE Band 7: 23.53 dBm FDD LTE Band 66: 23.83 dBm FDD LTE Band 38: 24.76 dBm FDD LTE Band 40(2305-2315MHz):22.09 dBm FDD LTE Band 40(2350-2360MHz):21.76 dBm FDD LTE Band 41: 26.95 dBm FDD LTE Band 42: 26.70 dBm FDD LTE Band 43: 25.83 dBm FDD LTE Band 48: 22.94 dBm CA_38C: 25.31 dBm CA_41C: 26.00 dBm CA_42C: 25.80 dBm	
Band	Power Class	Tx Frequency Range	Rx Frequency Range
WCDMA B2	3	1850 MHz ~ 1910 MHz	1930 MHz ~ 1990 MHz
WCDMA B4	3	1710 MHz ~ 1755 MHz	2110 MHz ~ 2155 MHz
WCDMA B5	3	824 MHz ~ 849 MHz	869 MHz ~ 894 MHz
LTE B2	3	1850 MHz ~ 1910 MHz	1930 MHz ~ 1990 MHz
LTE B4	3	1710 MHz ~ 1755 MHz	2110 MHz ~ 2155 MHz
LTE B5	3	824 MHz ~ 849 MHz	869 MHz ~ 894 MHz
LTE B7	3	2500 MHz ~ 2570 MHz	2620 MHz ~ 2690 MHz
LTE B66	3	1710 MHz ~ 1780 MHz	2110 MHz ~ 2180 MHz
LTE B38	3	2570 MHz ~ 2620 MHz	2570 MHz ~ 2620 MHz
LTE B40a	3	2305 MHz ~ 2315 MHz	2305 MHz ~ 2315 MHz
LTE B40b	3	2350 MHz ~ 2360 MHz	2350 MHz ~ 2360 MHz
LTE B41	3	2496 MHz ~ 2690 MHz	2496 MHz ~ 2690 MHz
LTE B42	3	3450 MHz ~ 3550 MHz	3450 MHz ~ 3550 MHz
LTE B43	3	3700 MHz ~ 3800 MHz	3700 MHz ~ 3800 MHz
LTE B48	3	3550 MHz ~ 3700 MHz	3550 MHz ~ 3700 MHz

Note1: The EUT information provided by the applicant, except for The Max RF Conducted Power. For more detailed band specifications and features description, please refer to the manufacturer's specifications or user's manual.

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22 Subpart H	Cellular Radiotelephone Service
3	47 CFR Part 24 Subpart E	Broadband PCS
4	47 CFR Part 27	Miscellaneous Wireless Communications Services
5	47 CFR Part 96	CITIZENS BROADBAND RADIO SERVICE
6	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
7	KDB 971168 D01 v03	Measurement Guidance for Certification of Licensed Digital Transmitters

3.2 Test Verdict

No.	Test Description	FCC Part No.	Test Result	Test Verdict
1	Conducted RF Output Power	2.1046	Reporting only (ANNEX A.1)	Pass
2	Effective (Isotropic) Radiated Power	2.1046 22.913 24.232 27.50 96.41(b)	ANNEX A.1	Pass
3	Peak to Average Ratio	2.1046 24.232(d) 27.50(d)	ANNEX A.2	Pass
4	Occupied Bandwidth	2.1049 22.917 24.238 27.53	ANNEX A.3	Pass
5	Frequency Stability	2.1055 22.355 24.235 27.54	ANNEX A.4	Pass
6	Spurious Emission at Antenna Terminals	2.1051 22.917 24.238 27.53 96.41(e)	ANNEX A.5	Pass
7	Band Edge	2.1051 22.917 24.238 27.53 96.41(e)	ANNEX A.6	Pass
8	Field Strength of Spurious Radiation	2.1053 22.917 24.238 27.53 96.41(e)	ANNEX A.7	Pass
9	End user device additional requirements.	96.47	ANNEX A.8	Pass
Note: the module has two versions,one version support UL CA, another version does not support UL CA (just disable via software),We use the verison supports UL CA to test.				

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the environmental conditions were within the listed ranges:

Relative Humidity		20% to 75%
Atmospheric Pressure		98 kPa to 102 kPa
Test Voltage of the EUT	NV (Normal Voltage)	12.0 V
	LV (Low Voltage)	10.8 V
	HV (High Voltage)	13.2 V
Test Temperature of the EUT	NT (Normal Temperature)	15 °C to 35 °C
	LT (Low Temperature)	-30 °C
	HT (High Temperature)	+70 °C

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Version	Cal. Date	Cal. Due
2/3/4/5G RF Test System						
BL410 Test Software	BALUN	BL410R	N/A	3.0.536	N/A	N/A
Temperature Chamber	AHK	SP20	1412	N/A	2023.09.11	2024.09.10
Wideband Radio Communication Tester	R&S	CMW 500	167190	V4.0.60	2023.05.11	2024.05.10
Wideband Radio Communication Tester	R&S	CMW 500	102318	V3.2.71	2023.05.16	2024.05.15
Spectrum Analyzer	keysight	E4440A	MY44020181	A.11.21	2023.04.23	2024.04.22
DC Power Supply	ITECH	IT6863A	80001402075 7810006	N/A	2023.08.16	2024.08.15
Radiated Test System						
Radiated Test System Test Software	BALUN	BL410-E	N/A	V19.918	N/A	N/A
Wideband Radio Communication Tester	R&S	CMW 500	167190	V4.0.60	2023.05.11	2024.05.10
Wideband Radio Communication Tester	R&S	CMW 500	102318	V3.2.71	2023.05.16	2024.05.15
Test Antenna-Bi-Log(30 MHz-3 GHz)	Schwarzbeck	VULB 9163	9163-624	N/A	2021.08.20	2024.08.19
Test Antenna-Horn(1-18 GHz)	Schwarzbeck	BBHA 9120D	9120D-1917	N/A	2022.06.09	2025.06.08
Anechoic Chamber	YIHENG	9m*6m*6m	#3	N/A	2022.02.09	2024.09.03
EMI Receiver	Keysight	N9038A	MY53220118	A.14.16	2023.09.05	2024.09.04

4.3 Test Configurations

Test Items	Test Mode	Test Channel		
		LCH	MCH	HCH
Effective (Isotropic) Radiated Power	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
	HSDPA Band 2	v	v	v
	HSDPA Band 4	v	v	v
	HSDPA Band 5	v	v	v
	HSUPA Band 2	v	v	v
	HSUPA Band 4	v	v	v
	HSUPA Band 5	v	v	v
Peak to Average Ratio	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Occupied Bandwidth	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Frequency Stability	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Spurious Emission at Antenna Terminals	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Band Edge	WCDMA Band 2	v	--	v
	WCDMA Band 4	v	--	v
	WCDMA Band 5	v	--	v
Field Strength of Spurious Radiation	WCDMA Band 2	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Note 1: The mark “v” means that this configuration is chosen for testing.				

Test Mode	UL Channel	UL Channel No.	UL Frequency (MHz)
WCDMA Band 2	Low Channel	9262	1852.4
	Middle Channel	9400	1880.0
	High Channel	9538	1907.6
WCDMA Band 4	Low Channel	1312	1712.4
	Middle Channel	1412	1732.4
	High Channel	1513	1752.6
WCDMA Band 5	Low Channel	4132	826.4
	Middle Channel	4182	836.4
	High Channel	4233	846.6

LTE Band	Bandwidth (MHz)						Modulation Type		RB#			Test Channel		
	1.4	3	5	10	15	20	QPSK	16-QAM	1	Half	Full	LCH	MCH	HCH
Effective (Isotropic) Radiated 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	n	n	v	v	v	v	v	v	v	v
7	n	n	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
38	n	n	v	v	v	v	v	v	v	v	v	v	v	v
40a	n	n	v	v	n	n	v	v	v	v	v	v	v	v
40b	n	n	v	v	n	n	v	v	v	v	v	v	v	v
41	n	n	v	v	v	v	v	v	v	v	v	v	v	v
42	n	n	v	v	v	v	v	v	v	v	v	v	v	v
43	n	n	v	v	v	v	v	v	v	v	v	v	v	v
48	n	n	v	v	v	v	v	v	v	v	v	v	v	v
Peak to Average Ratio														
2	--	--	--	--	--	v	v	v	v	--	v	v	v	v
4	--	--	--	--	--	v	v	v	v	--	v	v	v	v
5	--	--	--	v	n	n	v	v	v	--	v	v	v	v
7	n	n	--	--	--	v	v	v	v	--	v	v	v	v
66	--	--	--	--	--	v	v	v	v	--	v	v	v	v
38	n	n	--	--	--	v	v	v	v	--	v	v	v	v
40a	n	n	--	v	--	n	v	v	v	--	v	v	v	v
40b	n	n	--	v	--	n	v	v	v	--	v	v	v	v
41	n	n	--	--	--	v	v	v	v	--	v	v	v	v
42	n	n	--	--	--	v	v	v	v	--	v	v	v	v
43	n	n	--	--	--	v	v	v	v	--	v	v	v	v
48	n	n	--	--	--	v	v	v	v	--	v	v	v	v
Occupied Bandwidth														
2	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
5	v	v	v	v	n	n	v	v	--	--	v	v	v	v
7	n	n	v	v	v	v	v	v	--	--	v	v	v	v
66	v	v	v	v	v	v	v	v	--	--	v	v	v	v
38	n	n	v	v	v	v	v	v	--	--	v	v	v	v
40a	n	n	v	v	n	n	v	v	--	--	v	v	v	v
40b	n	n	v	v	n	n	v	v	--	--	v	v	v	v
41	n	n	v	v	v	v	v	v	--	--	v	v	v	v
42	n	n	v	v	v	v	v	v	--	--	v	v	v	v
43	n	n	v	v	v	v	v	v	--	--	v	v	v	v
48	n	n	v	v	v	v	v	v	--	--	v	v	v	v
Frequency Stability														

LTE Band	Bandwidth (MHz)						Modulation Type		RB#			Test Channel		
	1.4	3	5	10	15	20	QPSK	16-QAM	1	Half	Full	LCH	MCH	HCH
2	--	--	v	--	--	--	v	v	--	--	v	v	v	v
4	--	--	v	--	--	--	v	v	--	--	v	v	v	v
5	--	--	v	--	n	n	v	v	--	--	v	v	v	v
7	n	n	v	--	--	--	v	v	--	--	v	v	v	v
66	--	--	v	--	--	--	v	v	--	--	v	v	v	v
38	n	n	v	--	--	--	v	v	--	--	v	v	v	v
40a	n	n	v	--	--	--	v	v	--	--	v	v	v	v
40b	n	n	v	--	--	--	v	v	--	--	v	v	v	v
41	n	n	v	--	--	--	v	v	--	--	v	v	v	v
42	n	n	v	--	--	--	v	v	--	--	v	v	v	v
43	n	n	v	--	--	--	v	v	--	--	v	v	v	v
48	n	n	--	v	--	--	v	v	--	--	v	v	v	v
Spurious Emission at Antenna Terminals														
2	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
5	v	v	v	v	n	n	v	v	v	--	--	v	v	v
7	n	n	v	v	v	v	v	v	v	--	--	v	v	v
66	v	v	v	v	v	v	v	v	v	--	--	v	v	v
38	n	n	v	v	v	v	v	v	v	--	--	v	v	v
40a	n	n	v	v	n	n	v	v	v	--	--	v	v	v
40b	n	n	v	v	n	n	v	v	v	--	--	v	v	v
41	n	n	v	v	v	v	v	v	v	--	--	v	v	v
42	n	n	v	v	v	v	v	v	v	--	--	v	v	v
43	n	n	v	v	v	v	v	v	v	--	--	v	v	v
48	n	n	v	v	v	v	v	v	v	--	--	v	v	v
Band Edge														
2	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
5	v	v	v	v	n	n	v	v	v	--	v	v	--	v
7	n	n	v	v	v	v	v	v	v	--	v	v	--	v
66	v	v	v	v	v	v	v	v	v	--	v	v	--	v
38	n	n	v	v	v	v	v	v	v	--	v	v	--	v
40a	n	n	v	v	n	n	v	v	v	--	v	v	--	v
40b	n	n	v	v	n	n	v	v	v	--	v	v	--	v
41	n	n	v	v	v	v	v	v	v	--	v	v	--	v
42	n	n	v	v	v	v	v	v	v	--	v	v	--	v
43	n	n	v	v	v	v	v	v	v	--	v	v	--	v
48	n	n	v	v	v	v	v	v	v	--	v	v	--	v
Field Strength of Spurious Radiation														
2	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

LTE Band	Bandwidth (MHz)						Modulation Type		RB#			Test Channel		
	1.4	3	5	10	15	20	QPSK	16-QAM	1	Half	Full	LCH	MCH	HCH
5	v	v	v	v	n	n	v	--	v	v	v	v	v	v
7	n	n	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
38	n	n	v	v	v	v	v	--	v	v	v	v	v	v
40a	n	n	v	v	n	n	v	--	v	v	v	v	v	v
40b	n	n	v	v	n	n	v	--	v	v	v	v	v	v
41	n	n	v	v	v	v	v	--	v	v	v	v	v	v
42	n	n	v	v	v	v	v	--	v	v	v	v	v	v
43	n	n	v	v	v	v	v	--	v	v	v	v	v	v
48	n	n	v	v	v	v	v	--	v	v	v	v	v	v

Note 1: The mark “v” means that this configuration is chosen for testing.

Note 2: The mark “n” means that this bandwidth is not supported.

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
LTE Band 2	Low Range	1.4	18607	1850.7
		3	18615	1851.5
		5	18625	1852.5
		10	18650	1855
		15	18675	1857.5
		20	18700	1860
	Middle Range	1.4/3/5/10/15/20	18900	1880
	High Range	1.4	19193	1909.3
		3	19185	1908.5
		5	19175	1907.5
		10	19150	1905
		15	19125	1902.5
		20	19100	1900
LTE Band 4	Low Range	1.4	19957	1710.7
		3	19965	1711.5
		5	19975	1712.5
		10	20000	1715
		15	20025	1717.5
		20	20050	1720
	Middle Range	1.4/3/5/10/15/20	20175	1732.5
	High Range	1.4	20393	1754.3
		3	20385	1753.5
		5	20375	1752.5
		10	20350	1750
		15	20325	1747.5
		20	20300	1745

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
LTE Band 5	Low Range	1.4	20407	824.7
		3	20415	825.5
		5	20425	826.5
		10	20450	829
	Middle Range	1.4/3/5/10	20525	836.5
	High Range	1.4	20643	848.3
		3	20635	847.5
		5	20625	846.5
		10	20600	844
LTE Band 7	Low Range	5	20775	2502.5
		10	20800	2505
		15	20825	2507.5
		20	20850	2510
	Middle Range	5/10/15/20	21100	2535
	High Range	5	21425	2567.5
		10	21400	2565
		15	21375	2562.5
		20	21350	2560
LTE Band 66	Low Range	1.4	131979	1710.7
		3	131987	1711.5
		5	131997	1712.5
		10	132022	1715
		15	132047	1717.5
		20	132072	1720
	Middle Range	1.4/3/5/10/15/20	132322	1745
	High Range	1.4	132665	1779.3
		3	132657	1778.5
		5	132647	1777.5
		10	132622	1775
		15	132597	1772.5
		20	132572	1770
LTE Band 38	Low Range	5	37775	2572.5
		10	37800	2575
		15	37825	2577.5
		20	37850	2580
	Middle Range	5/10/15/20	38000	2595
	High Range	5	38225	2617.5
		10	38200	2615
		15	38175	2612.5
		20	38150	2610
LTE Band 40	Low Range	5	38725	2307.5

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
(2305-2315MHz)	Middle Range	10	38750	2310
		5/10	38750	2310
	High Range	5	38775	2312.5
		10	38750	2310
LTE Band 40 (2350-2360MHz)	Low Range	5	39175	2352.5
		10	39200	2355
	Middle Range	5/10	39200	2355
		5	39225	2357.5
LTE Band 41	Low Range	10	39200	2355
		5	39675	2498.5
		10	39700	2501
		15	39725	2503.5
	High Range	20	39750	2506
		5/10/15/20	40620	2593
		5	41565	2687.5
		10	41540	2685
		15	41515	2682.5
		20	41490	2680
	Low Range	5	42115	3452.5
		10	42140	3455
		15	42165	3457.5
		20	42190	3460
LTE Band 42	Middle Range	5/10/15/20	42590	3500
		5	43065	3457.5
		10	43040	3545
		15	43015	3542.5
	High Range	20	42990	3540
		5	44615	3702.5
		10	44640	3705
		15	44665	3707.5
LTE Band 43	Low Range	20	44690	3710
		5/10/15/20	45090	3750
	High Range	5	45565	3797.5
		10	45540	3795
		15	45515	3792.5
		20	45490	3790
LTE Band 48	Low Range	5	55265	3552.5
		10	55290	3555
		15	55315	3557.5
		20	55340	3560
	Middle Range	5/10/15/20	55990	3625

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
	High Range	5	56715	3697.5
		10	56690	3695
		15	56665	3692.5
		20	56640	3690

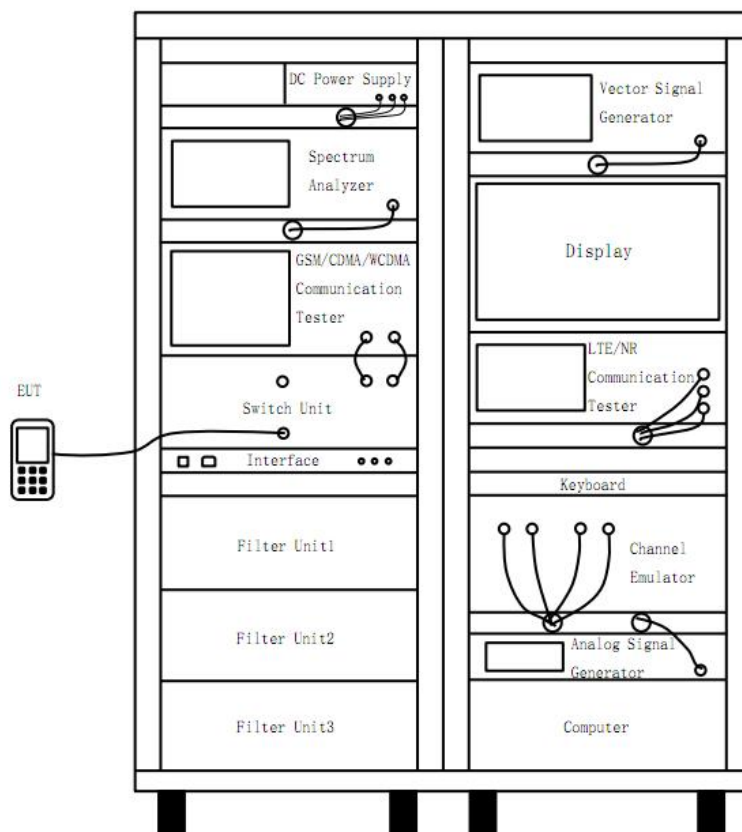
Test frequencies for CA_38C							
Range	CC-Combo / NRB_agg [RB]	CC1			CC2		
		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]	BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]
Low	75+75	75	37825	2577.5	75	37975	2592.5
	100+100	100	37850	2580	100	38048	2599.8
Mid	75+75	75	37925	2587.5	75	38075	2602.5
	100+100	100	37901	2585.1	100	38099	2604.9
High	75+75	75	38025	2597.5	75	38175	2612.5
	100+100	100	37952	2590.2	100	38150	2610

Test frequencies for CA_41C (2496-2690MHz)							
Range	CC-Combo / NRB_agg [RB]	CC1			CC2		
		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]	BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]
Low	25+100	25	39683	2499.3	100	39800	2511
		100	39750	2506	25	39867	2517.7
	50+75	50	39703	2501.3	75	39823	2513.3
		75	39725	2503.5	50	39845	2515.5
	50+100	50	39705	2501.5	100	39849	2515.9
		100	39750	2506	50	39894	2520.4
	75+75	75	39725	2503.5	75	39875	2518.5
	75+100	75	39728	2503.8	100	39899	2520.9
		100	39750	2506	75	39921	2523.1
	100+100	100	39750	2506	100	39948	2525.8
Mid	25+100	25	40528	2583.8	100	40645	2595.5
		100	40595	2590.5	25	40712	2602.2
	50+75	50	40549	2585.9	75	40669	2597.9
		75	40571	2588.1	50	40691	2600.1
	50+100	50	40526	2583.6	100	40670	2598.0
		100	40571	2588.1	50	40715	2602.5
	75+75	75	40545	2585.5	75	40695	2600.5
	75+100	75	40523	2583.3	100	40694	2600.4
		100	40546	2585.6	75	40717	2602.7
	100+100	100	40521	2583.1	100	40719	2602.9
High	25+100	25	41373	2668.3	100	41490	2680
		100	41440	2675	25	41557	2686.7
	50+75	50	41395	2670.5	75	41515	2682.5
		75	41417	2672.7	50	41537	2684.7
	50+100	50	41346	2665.6	100	41490	2680
		100	41391	2670.1	50	41535	2684.5
	75+75	75	41365	2667.5	75	41515	2682.5
	75+100	75	41319	2662.9	100	41490	2680
		100	41341	2665.1	75	41512	2682.2
	100+100	100	41292	2660.2	100	41490	2680

Test frequencies for CA_42C (3450-3550MHz)							
Range	CC-Combo / NRB_agg [RB]	CC1			CC2		
		BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]	BW [RB]	N _{UL/DL}	f _{UL/DL} [MHz]
Low	25+100	25	42115	3452.5	100	42232	3464.2
		100	42190	3460	25	42307	3471.7
	50+100	50	42140	3455	100	42284	3469.4
		100	42190	3460	50	42334	3474.4
	75+100	75	42165	3457.5	100	42336	3474.6
		100	42190	3460	75	42361	3477.1
Mid	25+100	100	42190	3460	100	42388	3479.8
		25	42494	3490.4	100	42611	3502.1
	50+100	100	42569	3497.9	25	42686	3509.6
		50	42493	3490.3	100	42637	3504.7
	75+100	100	42543	3495.3	50	42687	3509.7
		75	42492	3409.2	100	42663	3507.3
High	25+100	100	42517	3492.7	75	42688	3509.8
		100	42491	3490.1	100	42689	3509.9
	50+100	25	42873	3528.3	100	42990	3540
		100	42948	3535.8	25	43065	3547.5
	75+100	50	42846	3525.6	100	42990	3540
		100	42896	3530.6	50	43040	3545
	100+100	75	42819	3522.9	100	42990	3540
		100	42844	3525.4	75	43015	3542.5
	100+100	100	42792	3520.2	100	42990	3540

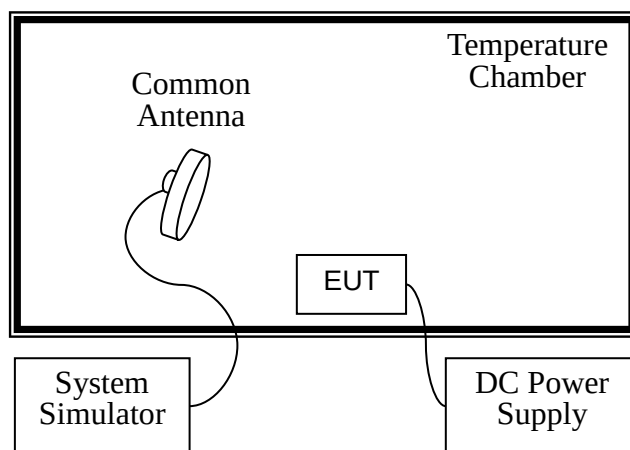
4.4 Test Setup

4.4.1 For Antenna Port Test



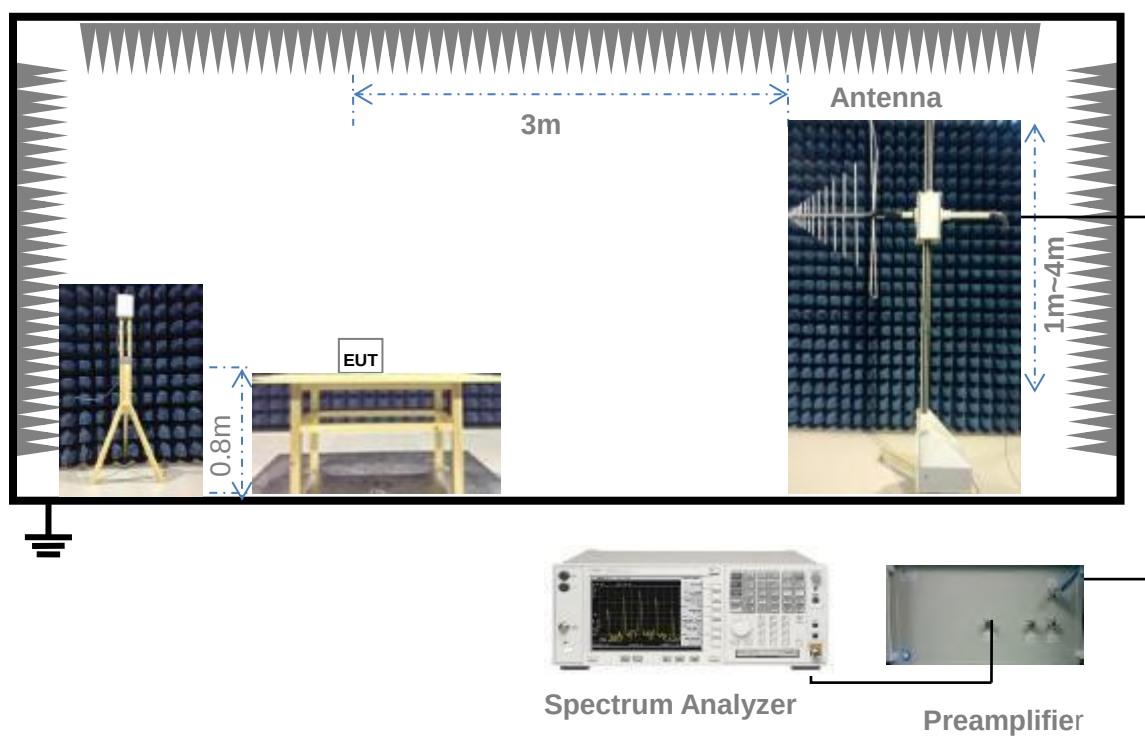
(Diagram 1)

4.4.2 For Frequency Stability Test



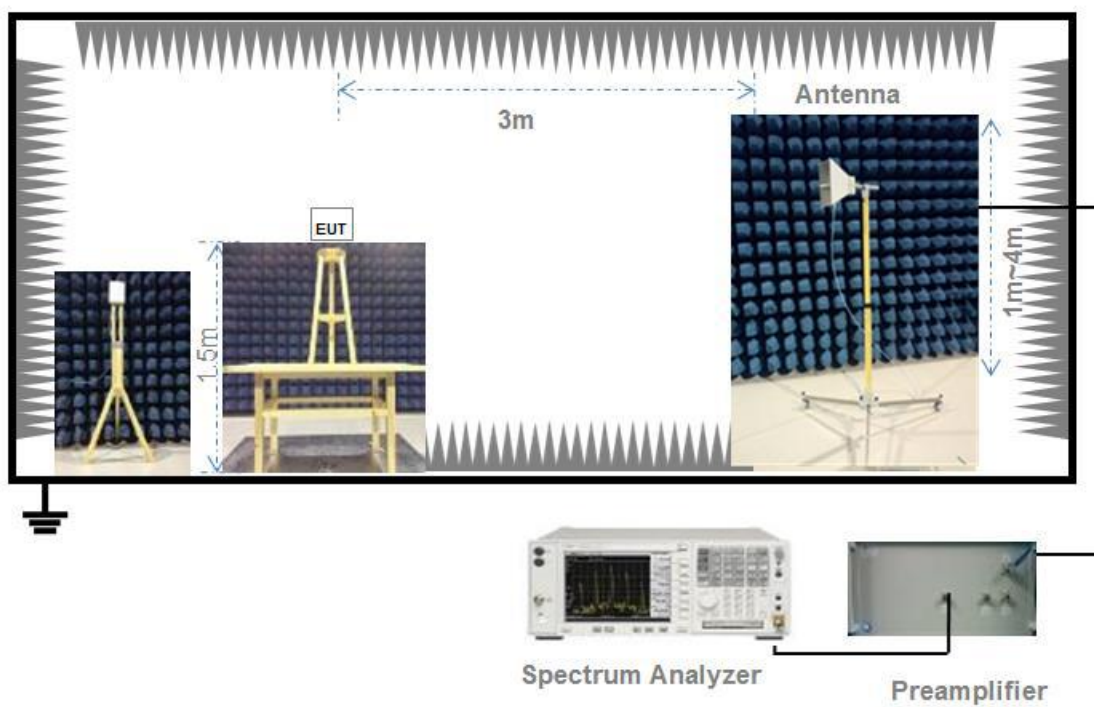
(Diagram 2)

4.4.3 For Radiated Test (30 MHz ~ 1 GHz)



(Diagram 3)

4.4.4 For Radiated Test (Above 1 GHz)



(Diagram 4)

5 TEST ITEMS

5.1 Transmitter Radiated Power (EIRP/ERP)

5.1.1 Limit

FCC § 2.1046 & 22.913(a) & 24.232(c) & 27.50(a) & 27.50(b) & 27.50(c) & 27.50(d) & 27.50(h) & 27.50(j) & 27.50(k) & 96.41(b)

According to FCC section 22.913(a) (5), the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 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.

According to FCC section 27.50(a) (3), for mobile and portable stations transmitting in the 2305-2315MHz band or the 2350-2360MHz 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. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands.

FCC section 27.50(b) (10), portable stations (hand-held devices) transmitting in the 746-757MHz, 776-788MHz, and 805-806MHz bands are limited to 3 watts ERP.

FCC section 27.50(c) (10), portable stations (hand-held devices) in the 600MHz uplink band and the 698-746MHz band, and fixed and mobile stations in the 600MHz uplink band are limited to 3 watts ERP.

FCC section 27.50(d) (4), fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

(7) Fixed, mobile, and portable (hand-held) stations operating in the 2000-2020 MHz band are limited to 2 watts EIRP.

And FCC section 27.50(h) (2), for 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.

FCC section 27.50(j) (3), for mobile, and portable (hand-held) stations operating in the 3700-3980 MHz band are limited to 1 watt EIRP.

FCC section 27.50(k) (3), Mobile devices are limited to 1Watt (30 dBm) EIRP in the 3450-3550 MHz band.

FCC section 96.41(b), the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table in this paragraph below:

Device	Maximum EIRP (dBm/10 megahertz)	Maximum PSD (dBm/MHz)
End User Device	23	N/A

Category A CBSD	30	20
Category B CBSD ^{note1}	47	37
Note1: Category B CBSDs will only be authorized for use after an ESC is approved and commercially deployed consistent with §§ 96.15 and 96.67.		

5.1.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description is used for conducted test, and the section 4.4.3 and 4.4.4 (Diagram 3, 4) test setup description is used for radiated test. The photo of test setup please refer to ANNEX B.

5.1.3 Test Procedure

Description of the Conducted Output Power Measurement

The EUT is coupled to the SS with attenuator through power splitter; the RF load attached to EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. A system simulator is used to establish communication with the EUT, and its parameters are 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 relevant equation for determining the conducted measured value is:

$$\text{Conducted Output Power Value (dBm)} = \text{Measured Value (dBm)} + \text{Path Loss (dB)}$$

where:

Conducted Output Power Value = final conducted measured value in the conducted power test, in dBm;
 Measured Value = measured conducted power received by spectrum analyzer or power meter, in dBm;
 Path Loss = signal attenuation in the connecting cable between the transmitter and spectrum analyzer or power meter, including external cable loss, in dB;

During the test, the data of Path Loss (dB) is added in the spectrum analyzer or power meter, so Measured Value (dBm) is the final values which contains the data of Path Loss (dB).

For example:

In the conducted output power test, when measured value for GSM850 is 24.7 dBm, and path loss is 8.5 dB, then final conducted output power value is:

$$\text{Conducted Output Power Value (dBm)} = 24.7 \text{ dBm} + 8.5 \text{ dB} = 33.2 \text{ dBm}$$

Description of the Transmitter Radiated Power Measurement

In many cases, the RF output power limits for licensed digital transmission devices is specified in terms of effective radiated power (ERP) or equivalent isotropic radiated power (EIRP). Typically, ERP is specified when the operating frequency is less than or equal to 1 GHz and EIRP is specified when the operating frequency is greater than 1 GHz. Both are determined by adding the transmit antenna gain to the conducted RF output power with the primary difference between the two being that when determining the ERP, the transmit antenna gain is referenced to a dipole antenna (i.e., dBd) whereas when determining the EIRP, the transmit antenna gain is referenced to an isotropic antenna (dBi).

Final measurement calculation as below:

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP/EIRP} = P_{\text{Meas}} + \text{GT} - \text{LC}$$

where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

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

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

dBd (ERP)=dBi (EIRP) -2.15 dB

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

For example:

In the EIRP test, when P_{Meas} value for GSM1900 is 30.2 dBm, LC is 0.6 dB, and GT is -3.4 dB, then final EIRP value is:

$$\text{EIRP for GSM1900} = 30.2 \text{ dBm} - 3.4 \text{ dBi} - 0.6 \text{ dB} = 26.2 \text{ dBm}$$

The relevant equation for determining the ERP/EIRP from the radiated RF output power is:

$$\text{ERP/EIRP (dBm)} = \text{SA Read Value (dBm)} + \text{Correction Factor (dB)}$$

where:

ERP/EIRP = effective or equivalent radiated power, in dBm;

SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm;

Correction Factor = total correction factor including cable loss, in dB;

During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer, so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB).

For example:

In the ERP test, when SA read value for GSM850 is 21dBm, and correction factor is 8dB, then final ERP value for GSM850 is:

$$\text{ERP (dBm)} = 21\text{dBm} + 8\text{dB} = 29\text{dBm}$$

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Peak to Average Ratio

5.2.1 Limit

FCC § 2.1046 & 24.232(d) & 27.50(d) & 27.50(j) & 27.50(k)

In addition, when the transmitter power is measured in terms of average value, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

According to FCC section 24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with 24.232 (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of § 24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

FCC section 24.232(e), peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

According to FCC section 27.50(d) (5) & 27.50(j) & 27.50(k), in measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

5.2.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description is used for this test. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Here the lowest, middle and highest channels are selected to perform testing to verify the peak-to-average ratio.

According to KDB 971168 D01, there is CCDF procedure for PAPR:

- a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- b) Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Set the measurement interval as follows:
 - 1) for continuous transmissions, set to 1 ms,

2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.

e) Record the maximum PAPR level associated with a probability of 0.1%.

Alternate procedure for PAPR:

Use one of the procedures presented in 4.1 to measure the total peak power and record as P_{Pk} . Use one of the applicable procedures presented 4.2 to measure the total average power and record as P_{Avg} . Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from:

$$PAPR (dB) = P_{Pk} (dBm) - P_{Avg} (dBm).$$

5.2.4 Test Result

Please refer to ANNEX A.2.

5.3 Occupied Bandwidth

5.3.1 Limit

FCC § 2.1049

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission.

Many of the individual rule parts specify a relative OBW in lieu of the 99% OBW. In such cases, the OBW is defined as the width of the signal between two points, one below the carrier center frequency and on above the carrier center frequency, outside of which all emissions are attenuated by at least X dB below the transmitter power, where the value of X is typically specified as 26.

5.3.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description is used for this test. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

The following procedure shall be used for measuring power bandwidth.

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the anticipated OBW).
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.
- d) NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.
- e) For -26 dB OBW, the dynamic range of the spectrum analyzer at the selected RBW shall be at least 10dB below the target “-X dB down” requirement, e.g. -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be 36dB below the reference value.
- f) Set the detection mode to peak, and the trace mode to max hold.
- g) For 99% OBW, use the 99 % power bandwidth function of the spectrum analyzer (if available) and report the measured bandwidth.

If the instrument does not have a 99 % power bandwidth function, the trace data points are to be recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is

recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99 % power bandwidth is the difference between these two frequencies.

h) For -26 dB OBW, determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).

Determine the “-X dB down amplitude” as equal to (reference value -X). Alternatively, this calculation can be performed by the analyzer by using the marker-delta function.

Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below “-X dB down amplitude” determined in step g). If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.

i) The OBW shall be reported by providing plot(s) of the measuring instrument display. The frequency and amplitude axes and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

j) Change variable modulations, coding, or channel bandwidth settings, then repeat above test procedures.

5.3.4 Test Result

Please refer to ANNEX A.3.

5.4 Frequency Stability

5.4.1 Limit

FCC § 2.1055 & 22.355 & 24.235 & 27.54

FCC § 2.1055

The frequency stability shall be measured with variation of ambient temperature as follows:

- (1) The temperature is varied from -30°C to +50°C.
- (2) Frequency measurements shall be made at the extremes of the specified temperature range and at intervals of not more than 10°C through the range.

The frequency stability shall be measured with variation of primary supply voltage as follows:

- (1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than carried battery equipment.
- (2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating and point which shall be specified by the manufacture.
- (3) The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

FCC § 22.355

Except as otherwise provided in this part, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section.

Table C-1—Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency range (MHz)	Base, fixed (ppm)	Mobile > 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929	5.0	n/a	n/a
929 to 960	1.5	n/a	n/a
2110 to 2220	10.0	n/a	n/a

FCC § 24.235

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

FCC § 27.54

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

5.4.2 Test Setup

The section 4.4.2 (Diagram 2) test setup description is used for this test. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

1. The EUT is placed in a temperature chamber.
2. The temperature is set to 25°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured.
3. The temperature is increased by not more than 10 degrees, allowed to stabilize and soak, and then repeat the frequency error measurement.
4. Repeat procedure 3 until +50°C and -30°C is reached.
5. Change supply voltage, and repeat measurement until extreme voltage is reached.

5.4.4 Test Result

Please refer to ANNEX A.4.

5.5 Spurious Emission at Antenna Terminals

5.5.1 Limit

FCC § 2.1051 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(l) & 27.53(m) & 27.53(n)

In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4)

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

(1) By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320MHz and on all frequencies between 2345 and 2360MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log(P)$ dB on all frequencies between 2320 and 2324MHz and on all frequencies between 2341 and 2345MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328MHz and on all frequencies between 2337 and 2341MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337MHz.

(2) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292MHz, and $70 + 10 \log(P)$ dB below 2288MHz.

(3) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365MHz, and not less than $70 + 10 \log(P)$ dB above 2365MHz.

FCC § 27.53(c)

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;

(3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth

of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 27.53(f)

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. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43+10*\log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC § 27.53(h) (1)

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

FCC § 27.53(l) (2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

- $40 + 10 \log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43 + 10 \log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,
- $55 + 10 \log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

FCC § 27.53(n) (2)

For mobile operations in the 3450 - 3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 90.691

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

FCC § 96.41(e)

The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 - 10 megahertz above the upper SAS-assigned channel edge and within 0 - 10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed -25 dBm/MHz. The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

5.5.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency blocks a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

1. The EUT is coupled to the system simulator and spectrum analyzer; the RF load attached to EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading.
2. Base Station is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.
3. The RF output of the transmitter is connected to the input of the spectrum analyzer through sufficient attenuation.
4. Spurious emissions are tested with 0.001MHz RBW for frequency less than 150kHz, 0.01MHz RBW for frequency less than 30MHz, 0.1MHz RBW for frequency less than 1GHz, and 1MHz RBW for frequency above 1GHz. And sweep point number are at least 401, referring to following formula.

Sweep point number = Span/RBW

VBW=3*RBW

Detector Mode=mean or average power

5. Record the frequencies and levels of spurious emissions.

5.5.4 Test Result

Please refer to ANNEX A.5.

5.6 Band Edge

5.6.1 Limit

FCC § 2.1051 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(g) & 27.53(h) & 27.53(l) & 27.53(m) & 27.53(n) & 96.41(e)

In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4)

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

(1) By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320MHz and on all frequencies between 2345 and 2360MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log(P)$ dB on all frequencies between 2320 and 2324MHz and on all frequencies between 2341 and 2345MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328MHz and on all frequencies between 2337 and 2341MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337MHz.

(2) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292MHz, and $70 + 10 \log(P)$ dB below 2288MHz.

(3) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365MHz, and not less than $70 + 10 \log(P)$ dB above 2365MHz.

FCC § 27.53(c)

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;

(3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth

of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43+10*\log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC § 27.53(h) (1)

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

FCC § 27.53(l) (2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

- $40+10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43+10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,

- $55 + 10 \log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

FCC § 27.53(n) (2)

For mobile operations in the 3450 - 3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 96.41(e)

The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 - 10 megahertz above the upper SAS-assigned channel edge and within 0 - 10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed -25 dBm/MHz. The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

5.6.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.6.3 Test Procedure

The EUT, which is powered by the Battery, is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading.

1. The EUT is coupled to the system simulator and spectrum analyzer; the RF load attached to EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading.

2. Base Station is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.

3. The RF output of the transmitter is connected to the input of the spectrum analyzer through sufficient attenuation.

4. The center of the spectrum analyzer was set to block edge frequency.

5. Band edge are tested with 1%*cBW (RBW), and sweep point number referred to following formula.

$$\text{Sweep point number} = 2 * \text{Span} / \text{RBW}$$

$$\text{VBW} = 3 \text{RBW}$$

6. Record the frequencies and levels of spurious emissions.

For mobile and portable stations, on all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment. Since it was not possible to set the resolution bandwidth to 6.25 kHz with the available equipment, a bandwidth of 10 kHz was used instead to show compliance. By using a 10 kHz bandwidth on the spectrum analyzer.

$$10 * \log(10 \text{ kHz} / 6.25 \text{ kHz}) = 2.04 \text{ dB}$$

$$\text{Limit Line} = -35 \text{ dBm} + 2.04 \text{ dB} = -32.96 \text{ dBm}$$

5.6.4 Test Result

Please refer to ANNEX A.6.

5.7 Field Strength of Spurious Radiation

5.7.1 Limit

FCC § 2.1053 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(l) & 27.53(m) & 27.53(n) & 96.41(e)

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4)

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

(1) By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320MHz and on all frequencies between 2345 and 2360MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log(P)$ dB on all frequencies between 2320 and 2324MHz and on all frequencies between 2341 and 2345MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328MHz and on all frequencies between 2337 and 2341MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337MHz.

(2) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292MHz, and $70 + 10 \log(P)$ dB below 2288MHz.

(3) By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365MHz, and not less than $70 + 10 \log(P)$ dB above 2365MHz.

FCC § 27.53(c)

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of

measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth

of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 27.53(f)

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. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43+10\log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC § 27.53(h) (1)

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

FCC § 27.53(l) (2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

- $40+10\log P$ dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43+10\log P$ dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,
- $55+10\log P$ dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service

licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

FCC § 27.53(n) (2)

For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 96.41(e)

The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed -25 dBm/MHz. The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

5.7.2 Test Setup

The section 4.4.3 and 4.4.4 (Diagram 3, 4) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.7.3 Test Procedure

1. On a test site, the EUT shall be placed at 80cm height on a turn table, and in the position close to normal use as declared by the applicant.
2. The test antenna shall be oriented initially for vertical polarization located 3 m from EUT to correspond to the fundamental frequency of the transmitter.
3. The output of the test antenna shall be connected to the measuring receiver and the peak detector is used for the measurement.
4. During the measurement of the EUT, the resolution bandwidth was to 1 MHz and the average bandwidth was set to 1 MHz.
5. The transmitter shall be switched on; the measuring receiver shall be tuned to the frequency of the

transmitter under test.

6. The test antenna shall be raised and lowered through the specified range of height until the maximum signal level is detected by the measuring receiver.

7. The transmitter shall be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.

8. The test antenna shall be raised and lowered again through the specified range of height until the maximum signal level is detected by the measuring receiver.

9. The maximum signal level detected by the measuring receiver shall be noted.

10. The EUT was replaced by half-wave dipole (824 ~ 849 MHz) or horn antenna (1 850 ~ 1 910 MHz) connected to a signal generator.

11. In necessary, the input attenuator setting on the measuring receiver shall be adjusted in order to increase

the sensitivity of the measuring receiver.

12. The test antenna shall be raised and lowered through the specified range of height to ensure that the maximum signal is received.

13. The input signal to the substitution antenna shall be adjusted to the level that produces a level detected by the measuring received, which is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuator setting of the measuring receiver.

14. The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.

15. The measurement shall be repeated with the test antenna and the substitution antenna orientated for horizontal polarization.

Final measurement calculation as below:

The relevant equation for determining the ERP/EIRP from the radiated RF output power is:

$$\text{ERP/EIRP (dBm)} = \text{SA Read Value (dBm)} + \text{Correction Factor (dB)}$$

where:

ERP/EIRP = effective or equivalent radiated power, in dBm;

SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm;

Correction Factor = total correction factor including cable loss, in dB;

During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer,

so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB).

For example:

In the ERP test, when SA read value for GSM850 is 21dBm, and correction factor is 8dB, then final ERP value for GSM850 is:

$$\text{ERP (dBm)} = 21\text{dBm} + 8\text{dB} = 29\text{dBm}$$

5.7.4 Test Result

Please refer to ANNEX A.7.

5.8 End user device additional requirements

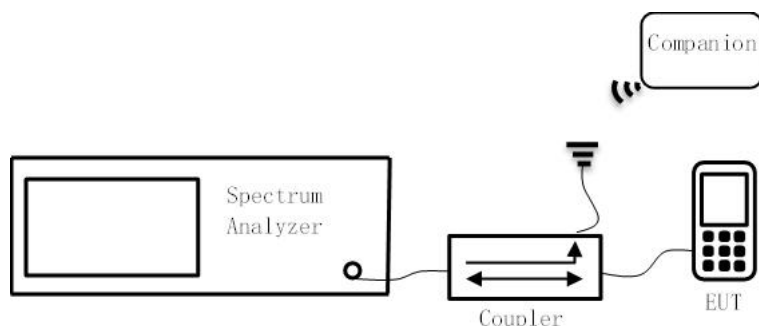
5.8.1 Limit

FCC § 96.47

(a)End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

(1)An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

5.8.2 Test Setup



5.8.3 Test Procedure

Following procedure can be done by applying WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification, use the certified Ruckus CBSD (FCC ID: S9GQ710USO2) as companion device to show compliance with Part 96.47 requirement for End User Device(EUD):

1. Setup with frequency 3600-3620MHz and power level 17dBm/MHz
2. Enable AP service from Ruckus Cloud management
3. Check EUD Tx Frequency and power
4. Disable AP service from Ruckus Cloud management
 - a. Check EUD stops transmission within 10seconds.

5. Setup with 3670-3690MHz & power level 7dBm/MHz
6. Enable AP service from Ruckus Cloud management
7. Check EUD Tx Frequency and power
8. Disable AP service from Ruckus Cloud management
 - a. Check EUD stops transmission within 10seconds.

5.8.4 Test Result

Please refer to ANNEX A.8.

ANNEX A TEST RESULTS

A.1 Transmitter Radiated Power (EIRP/ERP)

WCDMA Mode Test Data

Test Band	Test Channel	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
WCDMA Band 2	LCH	26.26	-0.80	25.46	0.352	2.00	Pass
	MCH	25.67	-0.80	24.87	0.307	2.00	Pass
	HCH	24.81	-0.80	24.01	0.252	2.00	Pass
HSDPA Band 2	LCH	25.33	-0.80	24.53	0.284	2.00	Pass
	MCH	24.77	-0.80	23.97	0.249	2.00	Pass
	HCH	23.99	-0.80	23.19	0.208	2.00	Pass
HSUPA Band 2	LCH	25.36	-0.80	24.56	0.286	2.00	Pass
	MCH	24.69	-0.80	23.89	0.245	2.00	Pass
	HCH	23.88	-0.80	23.08	0.203	2.00	Pass

Test Band	Test Channel	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
WCDMA Band 4	LCH	25.01	-1.40	23.61	0.230	1.00	Pass
	MCH	25.32	-1.40	23.92	0.247	1.00	Pass
	HCH	25.36	-1.40	23.96	0.249	1.00	Pass
HSDPA Band 4	LCH	24.43	-1.40	23.03	0.201	1.00	Pass
	MCH	24.61	-1.40	23.21	0.209	1.00	Pass
	HCH	24.60	-1.40	23.20	0.209	1.00	Pass
HSUPA Band 4	LCH	24.38	-1.40	22.98	0.199	1.00	Pass
	MCH	24.54	-1.40	23.14	0.206	1.00	Pass
	HCH	24.51	-1.40	23.11	0.205	1.00	Pass

Test Band	Test Channel	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
WCDMA Band 5	LCH	25.11	-0.80	-2.95	22.16	0.164	7.00	Pass
	MCH	25.00	-0.80	-2.95	22.05	0.160	7.00	Pass
	HCH	24.99	-0.80	-2.95	22.04	0.160	7.00	Pass
HSDPA Band 5	LCH	23.99	-0.80	-2.95	21.04	0.127	7.00	Pass
	MCH	24.11	-0.80	-2.95	21.16	0.131	7.00	Pass
	HCH	23.99	-0.80	-2.95	21.04	0.127	7.00	Pass
HSUPA Band 5	LCH	24.02	-0.80	-2.95	21.07	0.128	7.00	Pass
	MCH	23.93	-0.80	-2.95	20.98	0.125	7.00	Pass

Test Band	Test Channel	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
	HCH	23.91	-0.80	-2.95	20.96	0.125	7.00	Pass

Note 1: For the HSDPA and HSUPA mode, all subtests were tested and just the worst data were recorded in this table.

Note 2: $ERP/EIRP = P_{Meas} + GT - LC$

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

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

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

$ERP = EIRP - 2.15$; where ERP and EIRP are expressed in consistent units.

HSDPA Conducted Output Power

Band	Channel	Conducted Output Average Power							
		Subtest1		Subtest2		Subtest3		Subtest4	
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)
HSDPA Band 2	LCH	25.29	0.338	25.33	0.341	24.81	0.303	24.82	0.303
	MCH	24.77	0.300	24.77	0.300	24.26	0.267	24.27	0.267
	HCH	23.95	0.248	23.99	0.251	23.44	0.221	23.46	0.222
HSDPA Band 4	LCH	24.38	0.274	24.43	0.277	23.90	0.245	23.81	0.240
	MCH	24.60	0.288	24.61	0.289	24.01	0.252	24.10	0.257
	HCH	24.60	0.288	24.60	0.288	24.08	0.256	24.04	0.254
HSDPA Band 5	LCH	23.99	0.251	23.96	0.249	23.52	0.225	23.58	0.228
	MCH	24.11	0.258	24.05	0.254	23.53	0.225	23.54	0.226
	HCH	23.99	0.251	23.99	0.251	23.50	0.224	23.50	0.224

HSUPA Conducted Output Power

Band	Channel	Conducted Output Average Power									
		Subtest1		Subtest2		Subtest3		Subtest4		Subtest5	
		(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)	(dBm)	(W)
HSUPA Band 2	LCH	25.36	0.344	23.22	0.210	24.23	0.265	23.37	0.217	25.00	0.316
	MCH	24.64	0.291	22.76	0.189	23.63	0.231	22.77	0.189	24.69	0.294
	HCH	23.88	0.244	21.86	0.153	22.86	0.193	21.76	0.150	23.84	0.242
HSUPA Band 4	LCH	24.38	0.274	22.41	0.174	23.42	0.220	22.37	0.173	24.33	0.271
	MCH	24.54	0.284	22.50	0.178	23.47	0.222	22.59	0.182	24.50	0.282
	HCH	24.51	0.282	22.56	0.180	23.54	0.226	22.56	0.180	24.36	0.273
HSUPA Band 5	LCH	24.02	0.252	21.87	0.154	23.07	0.203	22.13	0.163	23.98	0.250
	MCH	23.93	0.247	22.01	0.159	23.06	0.202	22.01	0.159	23.87	0.244
	HCH	23.91	0.246	22.13	0.163	22.99	0.199	22.01	0.159	23.82	0.241

LTE Mode Test Data

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
1.4 MHz	LCH	QPSK	RB1#0	25.91	-0.80	25.11	0.324	2.00	Pass
			RB1#3	25.92	-0.80	25.12	0.325	2.00	Pass
			RB1#5	25.87	-0.80	25.07	0.321	2.00	Pass
			RB3#0	25.95	-0.80	25.15	0.327	2.00	Pass
			RB3#2	26.01	-0.80	25.21	0.332	2.00	Pass
			RB3#3	25.96	-0.80	25.16	0.328	2.00	Pass
			RB6#0	24.86	-0.80	24.06	0.255	2.00	Pass
		16-QAM	RB1#0	25.23	-0.80	24.43	0.277	2.00	Pass
			RB1#3	25.21	-0.80	24.41	0.276	2.00	Pass
			RB1#5	25.16	-0.80	24.36	0.273	2.00	Pass
			RB3#0	25.08	-0.80	24.28	0.268	2.00	Pass
			RB3#2	25.11	-0.80	24.31	0.270	2.00	Pass
			RB3#3	25.04	-0.80	24.24	0.265	2.00	Pass
			RB6#0	23.96	-0.80	23.16	0.207	2.00	Pass
	MCH	QPSK	RB1#0	25.36	-0.80	24.56	0.286	2.00	Pass
			RB1#3	25.41	-0.80	24.61	0.289	2.00	Pass
			RB1#5	25.37	-0.80	24.57	0.286	2.00	Pass
			RB3#0	25.39	-0.80	24.59	0.288	2.00	Pass
			RB3#2	25.47	-0.80	24.67	0.293	2.00	Pass
			RB3#3	25.42	-0.80	24.62	0.290	2.00	Pass
			RB6#0	24.32	-0.80	23.52	0.225	2.00	Pass
		16-QAM	RB1#0	24.71	-0.80	23.91	0.246	2.00	Pass
			RB1#3	24.81	-0.80	24.01	0.252	2.00	Pass
			RB1#5	24.78	-0.80	23.98	0.250	2.00	Pass
			RB3#0	24.66	-0.80	23.86	0.243	2.00	Pass
			RB3#2	24.65	-0.80	23.85	0.243	2.00	Pass
			RB3#3	24.58	-0.80	23.78	0.239	2.00	Pass
			RB6#0	23.41	-0.80	22.61	0.182	2.00	Pass
	HCH	QPSK	RB1#0	24.47	-0.80	23.67	0.233	2.00	Pass
			RB1#3	24.52	-0.80	23.72	0.236	2.00	Pass
			RB1#5	24.48	-0.80	23.68	0.233	2.00	Pass
			RB3#0	24.47	-0.80	23.67	0.233	2.00	Pass
			RB3#2	24.54	-0.80	23.74	0.237	2.00	Pass
			RB3#3	24.49	-0.80	23.69	0.234	2.00	Pass
			RB6#0	23.45	-0.80	22.65	0.184	2.00	Pass
		16-QAM	RB1#0	23.76	-0.80	22.96	0.198	2.00	Pass
			RB1#3	23.79	-0.80	22.99	0.199	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
3 MHz			RB1#5	23.61	-0.80	22.81	0.191	2.00	Pass
			RB3#0	23.63	-0.80	22.83	0.192	2.00	Pass
			RB3#2	23.74	-0.80	22.94	0.197	2.00	Pass
			RB3#3	23.60	-0.80	22.80	0.191	2.00	Pass
			RB6#0	22.53	-0.80	21.73	0.149	2.00	Pass
	LCH	QPSK	RB1#0	25.90	-0.80	25.10	0.324	2.00	Pass
			RB1#7	25.92	-0.80	25.12	0.325	2.00	Pass
			RB1#14	25.87	-0.80	25.07	0.321	2.00	Pass
			RB8#0	25.00	-0.80	24.20	0.263	2.00	Pass
			RB8#4	25.00	-0.80	24.20	0.263	2.00	Pass
			RB8#7	24.99	-0.80	24.19	0.262	2.00	Pass
			RB15#0	24.98	-0.80	24.18	0.262	2.00	Pass
		16-QAM	RB1#0	25.28	-0.80	24.48	0.281	2.00	Pass
			RB1#7	25.16	-0.80	24.36	0.273	2.00	Pass
			RB1#14	25.32	-0.80	24.52	0.283	2.00	Pass
			RB8#0	24.05	-0.80	23.25	0.211	2.00	Pass
			RB8#4	24.09	-0.80	23.29	0.213	2.00	Pass
			RB8#7	24.03	-0.80	23.23	0.210	2.00	Pass
			RB15#0	24.07	-0.80	23.27	0.212	2.00	Pass
	MCH	QPSK	RB1#0	25.43	-0.80	24.63	0.290	2.00	Pass
			RB1#7	25.41	-0.80	24.61	0.289	2.00	Pass
			RB1#14	25.36	-0.80	24.56	0.286	2.00	Pass
			RB8#0	24.46	-0.80	23.66	0.232	2.00	Pass
			RB8#4	24.43	-0.80	23.63	0.231	2.00	Pass
			RB8#7	24.46	-0.80	23.66	0.232	2.00	Pass
			RB15#0	24.43	-0.80	23.63	0.231	2.00	Pass
		16-QAM	RB1#0	24.72	-0.80	23.92	0.247	2.00	Pass
			RB1#7	24.78	-0.80	23.98	0.250	2.00	Pass
			RB1#14	24.79	-0.80	23.99	0.251	2.00	Pass
			RB8#0	23.48	-0.80	22.68	0.185	2.00	Pass
			RB8#4	23.47	-0.80	22.67	0.185	2.00	Pass
			RB8#7	23.51	-0.80	22.71	0.187	2.00	Pass
			RB15#0	23.48	-0.80	22.68	0.185	2.00	Pass
	HCH	QPSK	RB1#0	24.54	-0.80	23.74	0.237	2.00	Pass
			RB1#7	24.51	-0.80	23.71	0.235	2.00	Pass
			RB1#14	24.53	-0.80	23.73	0.236	2.00	Pass
			RB8#0	23.52	-0.80	22.72	0.187	2.00	Pass
			RB8#4	23.55	-0.80	22.75	0.188	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
			RB8#7	23.52	-0.80	22.72	0.187	2.00	Pass
			RB15#0	23.53	-0.80	22.73	0.187	2.00	Pass
		16-QAM	RB1#0	23.80	-0.80	23.00	0.200	2.00	Pass
			RB1#7	23.76	-0.80	22.96	0.198	2.00	Pass
			RB1#14	23.76	-0.80	22.96	0.198	2.00	Pass
			RB8#0	22.55	-0.80	21.75	0.150	2.00	Pass
			RB8#4	22.58	-0.80	21.78	0.151	2.00	Pass
			RB8#7	22.56	-0.80	21.76	0.150	2.00	Pass
			RB15#0	22.54	-0.80	21.74	0.149	2.00	Pass
5 MHz	LCH	QPSK	RB1#0	25.95	-0.80	25.15	0.327	2.00	Pass
			RB1#13	26.01	-0.80	25.21	0.332	2.00	Pass
			RB1#24	26.03	-0.80	25.23	0.333	2.00	Pass
			RB12#0	24.98	-0.80	24.18	0.262	2.00	Pass
			RB12#6	24.99	-0.80	24.19	0.262	2.00	Pass
			RB12#13	24.95	-0.80	24.15	0.260	2.00	Pass
			RB25#0	25.03	-0.80	24.23	0.265	2.00	Pass
		16-QAM	RB1#0	25.24	-0.80	24.44	0.278	2.00	Pass
			RB1#13	25.26	-0.80	24.46	0.279	2.00	Pass
			RB1#24	25.27	-0.80	24.47	0.280	2.00	Pass
			RB12#0	24.09	-0.80	23.29	0.213	2.00	Pass
			RB12#6	24.07	-0.80	23.27	0.212	2.00	Pass
			RB12#13	24.12	-0.80	23.32	0.215	2.00	Pass
			RB25#0	24.07	-0.80	23.27	0.212	2.00	Pass
	MCH	QPSK	RB1#0	25.43	-0.80	24.63	0.290	2.00	Pass
			RB1#13	25.43	-0.80	24.63	0.290	2.00	Pass
			RB1#24	25.45	-0.80	24.65	0.292	2.00	Pass
			RB12#0	24.46	-0.80	23.66	0.232	2.00	Pass
			RB12#6	24.43	-0.80	23.63	0.231	2.00	Pass
			RB12#13	24.45	-0.80	23.65	0.232	2.00	Pass
			RB25#0	24.44	-0.80	23.64	0.231	2.00	Pass
		16-QAM	RB1#0	24.92	-0.80	24.12	0.258	2.00	Pass
			RB1#13	24.88	-0.80	24.08	0.256	2.00	Pass
			RB1#24	24.93	-0.80	24.13	0.259	2.00	Pass
			RB12#0	23.45	-0.80	22.65	0.184	2.00	Pass
			RB12#6	23.39	-0.80	22.59	0.182	2.00	Pass
			RB12#13	23.43	-0.80	22.63	0.183	2.00	Pass
			RB25#0	23.47	-0.80	22.67	0.185	2.00	Pass
	HCH	QPSK	RB1#0	24.54	-0.80	23.74	0.237	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
			RB1#13	24.58	-0.80	23.78	0.239	2.00	Pass
			RB1#24	24.51	-0.80	23.71	0.235	2.00	Pass
			RB12#0	23.52	-0.80	22.72	0.187	2.00	Pass
			RB12#6	23.53	-0.80	22.73	0.187	2.00	Pass
			RB12#13	23.52	-0.80	22.72	0.187	2.00	Pass
			RB25#0	23.54	-0.80	22.74	0.188	2.00	Pass
		16-QAM	RB1#0	23.80	-0.80	23.00	0.200	2.00	Pass
			RB1#13	23.67	-0.80	22.87	0.194	2.00	Pass
			RB1#24	23.65	-0.80	22.85	0.193	2.00	Pass
			RB12#0	22.63	-0.80	21.83	0.152	2.00	Pass
			RB12#6	22.64	-0.80	21.84	0.153	2.00	Pass
			RB12#13	22.60	-0.80	21.80	0.151	2.00	Pass
			RB25#0	22.49	-0.80	21.69	0.148	2.00	Pass
10 MHz	LCH	QPSK	RB1#0	26.12	-0.80	25.32	0.340	2.00	Pass
			RB1#25	25.87	-0.80	25.07	0.321	2.00	Pass
			RB1#49	26.13	-0.80	25.33	0.341	2.00	Pass
			RB25#0	24.93	-0.80	24.13	0.259	2.00	Pass
			RB25#13	24.97	-0.80	24.17	0.261	2.00	Pass
			RB25#25	24.95	-0.80	24.15	0.260	2.00	Pass
			RB50#0	24.95	-0.80	24.15	0.260	2.00	Pass
		16-QAM	RB1#0	25.07	-0.80	24.27	0.267	2.00	Pass
			RB1#25	24.79	-0.80	23.99	0.251	2.00	Pass
			RB1#49	24.99	-0.80	24.19	0.262	2.00	Pass
			RB25#0	24.05	-0.80	23.25	0.211	2.00	Pass
			RB25#13	24.06	-0.80	23.26	0.212	2.00	Pass
			RB25#25	24.04	-0.80	23.24	0.211	2.00	Pass
			RB50#0	24.00	-0.80	23.20	0.209	2.00	Pass
	MCH	QPSK	RB1#0	25.66	-0.80	24.86	0.306	2.00	Pass
			RB1#25	25.41	-0.80	24.61	0.289	2.00	Pass
			RB1#49	25.49	-0.80	24.69	0.294	2.00	Pass
			RB25#0	24.42	-0.80	23.62	0.230	2.00	Pass
			RB25#13	24.48	-0.80	23.68	0.233	2.00	Pass
			RB25#25	24.47	-0.80	23.67	0.233	2.00	Pass
			RB50#0	24.46	-0.80	23.66	0.232	2.00	Pass
		16-QAM	RB1#0	25.02	-0.80	24.22	0.264	2.00	Pass
			RB1#25	24.78	-0.80	23.98	0.250	2.00	Pass
			RB1#49	24.95	-0.80	24.15	0.260	2.00	Pass
			RB25#0	23.52	-0.80	22.72	0.187	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
15 MHz	HCH		RB25#13	23.58	-0.80	22.78	0.190	2.00	Pass
			RB25#25	23.55	-0.80	22.75	0.188	2.00	Pass
			RB50#0	23.56	-0.80	22.76	0.189	2.00	Pass
		QPSK	RB1#0	24.51	-0.80	23.71	0.235	2.00	Pass
			RB1#25	24.40	-0.80	23.60	0.229	2.00	Pass
			RB1#49	24.42	-0.80	23.62	0.230	2.00	Pass
			RB25#0	23.52	-0.80	22.72	0.187	2.00	Pass
			RB25#13	23.48	-0.80	22.68	0.185	2.00	Pass
			RB25#25	23.49	-0.80	22.69	0.186	2.00	Pass
			RB50#0	23.54	-0.80	22.74	0.188	2.00	Pass
		16-QAM	RB1#0	23.56	-0.80	22.76	0.189	2.00	Pass
			RB1#25	23.42	-0.80	22.62	0.183	2.00	Pass
			RB1#49	23.44	-0.80	22.64	0.184	2.00	Pass
			RB25#0	22.69	-0.80	21.89	0.155	2.00	Pass
			RB25#13	22.56	-0.80	21.76	0.150	2.00	Pass
			RB25#25	22.58	-0.80	21.78	0.151	2.00	Pass
			RB50#0	22.57	-0.80	21.77	0.150	2.00	Pass
15 MHz	LCH	QPSK	RB1#0	25.92	-0.80	25.12	0.325	2.00	Pass
			RB1#38	25.82	-0.80	25.02	0.318	2.00	Pass
			RB1#74	25.87	-0.80	25.07	0.321	2.00	Pass
			RB36#0	24.99	-0.80	24.19	0.262	2.00	Pass
			RB36#19	24.99	-0.80	24.19	0.262	2.00	Pass
			RB36#39	24.98	-0.80	24.18	0.262	2.00	Pass
			RB75#0	25.00	-0.80	24.20	0.263	2.00	Pass
		16-QAM	RB1#0	24.89	-0.80	24.09	0.256	2.00	Pass
			RB1#38	24.77	-0.80	23.97	0.249	2.00	Pass
			RB1#74	24.81	-0.80	24.01	0.252	2.00	Pass
			RB36#0	24.03	-0.80	23.23	0.210	2.00	Pass
			RB36#19	24.03	-0.80	23.23	0.210	2.00	Pass
			RB36#39	23.97	-0.80	23.17	0.207	2.00	Pass
			RB75#0	24.03	-0.80	23.23	0.210	2.00	Pass
	MCH	QPSK	RB1#0	25.51	-0.80	24.71	0.296	2.00	Pass
			RB1#38	25.39	-0.80	24.59	0.288	2.00	Pass
			RB1#74	25.34	-0.80	24.54	0.284	2.00	Pass
			RB36#0	24.53	-0.80	23.73	0.236	2.00	Pass
			RB36#19	24.51	-0.80	23.71	0.235	2.00	Pass
			RB36#39	24.52	-0.80	23.72	0.236	2.00	Pass
			RB75#0	24.50	-0.80	23.70	0.234	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
20 MHz	HCH	16-QAM	RB1#0	24.87	-0.80	24.07	0.255	2.00	Pass
			RB1#38	24.77	-0.80	23.97	0.249	2.00	Pass
			RB1#74	24.76	-0.80	23.96	0.249	2.00	Pass
			RB36#0	23.56	-0.80	22.76	0.189	2.00	Pass
			RB36#19	23.58	-0.80	22.78	0.190	2.00	Pass
			RB36#39	23.56	-0.80	22.76	0.189	2.00	Pass
			RB75#0	23.57	-0.80	22.77	0.189	2.00	Pass
		QPSK	RB1#0	24.80	-0.80	24.00	0.251	2.00	Pass
			RB1#38	24.54	-0.80	23.74	0.237	2.00	Pass
			RB1#74	24.58	-0.80	23.78	0.239	2.00	Pass
			RB36#0	23.87	-0.80	23.07	0.203	2.00	Pass
			RB36#19	23.75	-0.80	22.95	0.197	2.00	Pass
			RB36#39	23.63	-0.80	22.83	0.192	2.00	Pass
			RB75#0	23.76	-0.80	22.96	0.198	2.00	Pass
		16-QAM	RB1#0	24.23	-0.80	23.43	0.220	2.00	Pass
			RB1#38	23.92	-0.80	23.12	0.205	2.00	Pass
			RB1#74	24.02	-0.80	23.22	0.210	2.00	Pass
			RB36#0	22.83	-0.80	22.03	0.160	2.00	Pass
			RB36#19	22.71	-0.80	21.91	0.155	2.00	Pass
			RB36#39	22.60	-0.80	21.80	0.151	2.00	Pass
			RB75#0	22.73	-0.80	21.93	0.156	2.00	Pass
	LCH	QPSK	RB1#0	26.06	-0.80	25.26	0.336	2.00	Pass
			RB1#50	25.86	-0.80	25.06	0.321	2.00	Pass
			RB1#99	25.91	-0.80	25.11	0.324	2.00	Pass
			RB50#0	24.93	-0.80	24.13	0.259	2.00	Pass
			RB50#25	24.88	-0.80	24.08	0.256	2.00	Pass
			RB50#50	24.76	-0.80	23.96	0.249	2.00	Pass
			RB100#0	24.80	-0.80	24.00	0.251	2.00	Pass
		16-QAM	RB1#0	25.58	-0.80	24.78	0.301	2.00	Pass
			RB1#50	25.33	-0.80	24.53	0.284	2.00	Pass
			RB1#99	25.38	-0.80	24.58	0.287	2.00	Pass
			RB50#0	24.00	-0.80	23.20	0.209	2.00	Pass
			RB50#25	23.95	-0.80	23.15	0.207	2.00	Pass
			RB50#50	23.84	-0.80	23.04	0.201	2.00	Pass
			RB100#0	23.89	-0.80	23.09	0.204	2.00	Pass
	MCH	QPSK	RB1#0	25.68	-0.80	24.88	0.308	2.00	Pass
			RB1#50	25.43	-0.80	24.63	0.290	2.00	Pass
			RB1#99	25.43	-0.80	24.63	0.290	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
			RB50#0	24.47	-0.80	23.67	0.233	2.00	Pass
			RB50#25	24.46	-0.80	23.66	0.232	2.00	Pass
			RB50#50	24.50	-0.80	23.70	0.234	2.00	Pass
			RB100#0	24.47	-0.80	23.67	0.233	2.00	Pass
		16-QAM	RB1#0	25.05	-0.80	24.25	0.266	2.00	Pass
			RB1#50	24.84	-0.80	24.04	0.254	2.00	Pass
			RB1#99	24.87	-0.80	24.07	0.255	2.00	Pass
			RB50#0	23.55	-0.80	22.75	0.188	2.00	Pass
			RB50#25	23.53	-0.80	22.73	0.187	2.00	Pass
			RB50#50	23.56	-0.80	22.76	0.189	2.00	Pass
			RB100#0	23.50	-0.80	22.70	0.186	2.00	Pass
	HCH	QPSK	RB1#0	24.90	-0.80	24.10	0.257	2.00	Pass
			RB1#50	24.56	-0.80	23.76	0.238	2.00	Pass
			RB1#99	24.59	-0.80	23.79	0.239	2.00	Pass
			RB50#0	23.84	-0.80	23.04	0.201	2.00	Pass
			RB50#25	23.71	-0.80	22.91	0.195	2.00	Pass
			RB50#50	23.71	-0.80	22.91	0.195	2.00	Pass
			RB100#0	23.79	-0.80	22.99	0.199	2.00	Pass
		16-QAM	RB1#0	24.35	-0.80	23.55	0.226	2.00	Pass
			RB1#50	23.97	-0.80	23.17	0.207	2.00	Pass
			RB1#99	24.00	-0.80	23.20	0.209	2.00	Pass
			RB50#0	22.87	-0.80	22.07	0.161	2.00	Pass
			RB50#25	22.72	-0.80	21.92	0.156	2.00	Pass
			RB50#50	22.75	-0.80	21.95	0.157	2.00	Pass
			RB100#0	22.85	-0.80	22.05	0.160	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
1.4 MHz	LCH	QPSK	RB1#0	24.17	-1.40	22.77	0.189	1.00	Pass
			RB1#3	24.23	-1.40	22.83	0.192	1.00	Pass
			RB1#5	24.18	-1.40	22.78	0.190	1.00	Pass
			RB3#0	24.19	-1.40	22.79	0.190	1.00	Pass
			RB3#2	24.30	-1.40	22.90	0.195	1.00	Pass
			RB3#3	24.25	-1.40	22.85	0.193	1.00	Pass
			RB6#0	23.19	-1.40	21.79	0.151	1.00	Pass
		16-QAM	RB1#0	23.39	-1.40	21.99	0.158	1.00	Pass
			RB1#3	23.58	-1.40	22.18	0.165	1.00	Pass
			RB1#5	23.34	-1.40	21.94	0.156	1.00	Pass
			RB3#0	23.40	-1.40	22.00	0.158	1.00	Pass
			RB3#2	23.39	-1.40	21.99	0.158	1.00	Pass
			RB3#3	23.32	-1.40	21.92	0.156	1.00	Pass
			RB6#0	22.25	-1.40	20.85	0.122	1.00	Pass
	MCH	QPSK	RB1#0	24.39	-1.40	22.99	0.199	1.00	Pass
			RB1#3	24.35	-1.40	22.95	0.197	1.00	Pass
			RB1#5	24.27	-1.40	22.87	0.194	1.00	Pass
			RB3#0	24.30	-1.40	22.90	0.195	1.00	Pass
			RB3#2	24.34	-1.40	22.94	0.197	1.00	Pass
			RB3#3	24.31	-1.40	22.91	0.195	1.00	Pass
			RB6#0	23.27	-1.40	21.87	0.154	1.00	Pass
		16-QAM	RB1#0	23.56	-1.40	22.16	0.164	1.00	Pass
			RB1#3	23.67	-1.40	22.27	0.169	1.00	Pass
			RB1#5	23.61	-1.40	22.21	0.166	1.00	Pass
			RB3#0	23.49	-1.40	22.09	0.162	1.00	Pass
			RB3#2	23.53	-1.40	22.13	0.163	1.00	Pass
			RB3#3	23.43	-1.40	22.03	0.160	1.00	Pass
			RB6#0	22.33	-1.40	20.93	0.124	1.00	Pass
	HCH	QPSK	RB1#0	24.64	-1.40	23.24	0.211	1.00	Pass
			RB1#3	24.70	-1.40	23.30	0.214	1.00	Pass
			RB1#5	24.65	-1.40	23.25	0.211	1.00	Pass
			RB3#0	24.55	-1.40	23.15	0.207	1.00	Pass
			RB3#2	24.65	-1.40	23.25	0.211	1.00	Pass
			RB3#3	24.57	-1.40	23.17	0.207	1.00	Pass
			RB6#0	23.63	-1.40	22.23	0.167	1.00	Pass
		16-QAM	RB1#0	23.67	-1.40	22.27	0.169	1.00	Pass
			RB1#3	23.79	-1.40	22.39	0.173	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
3 MHz			RB1#5	23.74	-1.40	22.34	0.171	1.00	Pass
			RB3#0	23.60	-1.40	22.20	0.166	1.00	Pass
			RB3#2	23.74	-1.40	22.34	0.171	1.00	Pass
			RB3#3	23.59	-1.40	22.19	0.166	1.00	Pass
			RB6#0	22.72	-1.40	21.32	0.136	1.00	Pass
	LCH	QPSK	RB1#0	24.24	-1.40	22.84	0.192	1.00	Pass
			RB1#7	24.23	-1.40	22.83	0.192	1.00	Pass
			RB1#14	24.23	-1.40	22.83	0.192	1.00	Pass
			RB8#0	23.30	-1.40	21.90	0.155	1.00	Pass
			RB8#4	23.34	-1.40	21.94	0.156	1.00	Pass
			RB8#7	23.31	-1.40	21.91	0.155	1.00	Pass
			RB15#0	23.32	-1.40	21.92	0.156	1.00	Pass
		16-QAM	RB1#0	23.56	-1.40	22.16	0.164	1.00	Pass
			RB1#7	23.52	-1.40	22.12	0.163	1.00	Pass
			RB1#14	23.53	-1.40	22.13	0.163	1.00	Pass
			RB8#0	22.26	-1.40	20.86	0.122	1.00	Pass
			RB8#4	22.32	-1.40	20.92	0.124	1.00	Pass
			RB8#7	22.28	-1.40	20.88	0.122	1.00	Pass
			RB15#0	22.29	-1.40	20.89	0.123	1.00	Pass
	MCH	QPSK	RB1#0	24.37	-1.40	22.97	0.198	1.00	Pass
			RB1#7	24.32	-1.40	22.92	0.196	1.00	Pass
			RB1#14	24.33	-1.40	22.93	0.196	1.00	Pass
			RB8#0	23.42	-1.40	22.02	0.159	1.00	Pass
			RB8#4	23.39	-1.40	21.99	0.158	1.00	Pass
			RB8#7	23.36	-1.40	21.96	0.157	1.00	Pass
			RB15#0	23.35	-1.40	21.95	0.157	1.00	Pass
		16-QAM	RB1#0	23.65	-1.40	22.25	0.168	1.00	Pass
			RB1#7	23.76	-1.40	22.36	0.172	1.00	Pass
			RB1#14	23.76	-1.40	22.36	0.172	1.00	Pass
			RB8#0	22.39	-1.40	20.99	0.126	1.00	Pass
			RB8#4	22.42	-1.40	21.02	0.126	1.00	Pass
			RB8#7	22.42	-1.40	21.02	0.126	1.00	Pass
			RB15#0	22.36	-1.40	20.96	0.125	1.00	Pass
	HCH	QPSK	RB1#0	24.71	-1.40	23.31	0.214	1.00	Pass
			RB1#7	24.69	-1.40	23.29	0.213	1.00	Pass
			RB1#14	24.73	-1.40	23.33	0.215	1.00	Pass
			RB8#0	23.67	-1.40	22.27	0.169	1.00	Pass
			RB8#4	23.71	-1.40	22.31	0.170	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
5 MHz			RB8#7	23.67	-1.40	22.27	0.169	1.00	Pass
			RB15#0	23.69	-1.40	22.29	0.169	1.00	Pass
		16-QAM	RB1#0	23.82	-1.40	22.42	0.175	1.00	Pass
			RB1#7	23.81	-1.40	22.41	0.174	1.00	Pass
			RB1#14	23.80	-1.40	22.40	0.174	1.00	Pass
			RB8#0	22.65	-1.40	21.25	0.133	1.00	Pass
			RB8#4	22.78	-1.40	21.38	0.137	1.00	Pass
			RB8#7	22.73	-1.40	21.33	0.136	1.00	Pass
			RB15#0	22.72	-1.40	21.32	0.136	1.00	Pass
	LCH	QPSK	RB1#0	24.23	-1.40	22.83	0.192	1.00	Pass
			RB1#13	24.28	-1.40	22.88	0.194	1.00	Pass
			RB1#24	24.21	-1.40	22.81	0.191	1.00	Pass
			RB12#0	23.28	-1.40	21.88	0.154	1.00	Pass
			RB12#6	23.22	-1.40	21.82	0.152	1.00	Pass
			RB12#13	23.24	-1.40	21.84	0.153	1.00	Pass
			RB25#0	23.24	-1.40	21.84	0.153	1.00	Pass
		16-QAM	RB1#0	23.55	-1.40	22.15	0.164	1.00	Pass
			RB1#13	23.68	-1.40	22.28	0.169	1.00	Pass
			RB1#24	23.62	-1.40	22.22	0.167	1.00	Pass
			RB12#0	22.35	-1.40	20.95	0.124	1.00	Pass
			RB12#6	22.39	-1.40	20.99	0.126	1.00	Pass
			RB12#13	22.32	-1.40	20.92	0.124	1.00	Pass
			RB25#0	22.31	-1.40	20.91	0.123	1.00	Pass
	MCH	QPSK	RB1#0	24.37	-1.40	22.97	0.198	1.00	Pass
			RB1#13	24.38	-1.40	22.98	0.199	1.00	Pass
			RB1#24	24.38	-1.40	22.98	0.199	1.00	Pass
			RB12#0	23.35	-1.40	21.95	0.157	1.00	Pass
			RB12#6	23.41	-1.40	22.01	0.159	1.00	Pass
			RB12#13	23.41	-1.40	22.01	0.159	1.00	Pass
			RB25#0	23.37	-1.40	21.97	0.157	1.00	Pass
		16-QAM	RB1#0	23.56	-1.40	22.16	0.164	1.00	Pass
			RB1#13	23.76	-1.40	22.36	0.172	1.00	Pass
			RB1#24	23.66	-1.40	22.26	0.168	1.00	Pass
			RB12#0	22.47	-1.40	21.07	0.128	1.00	Pass
			RB12#6	22.48	-1.40	21.08	0.128	1.00	Pass
			RB12#13	22.51	-1.40	21.11	0.129	1.00	Pass
			RB25#0	22.40	-1.40	21.00	0.126	1.00	Pass
	HCH	QPSK	RB1#0	24.69	-1.40	23.29	0.213	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
			RB1#13	24.70	-1.40	23.30	0.214	1.00	Pass
			RB1#24	24.74	-1.40	23.34	0.216	1.00	Pass
			RB12#0	23.64	-1.40	22.24	0.167	1.00	Pass
			RB12#6	23.66	-1.40	22.26	0.168	1.00	Pass
			RB12#13	23.65	-1.40	22.25	0.168	1.00	Pass
			RB25#0	23.67	-1.40	22.27	0.169	1.00	Pass
		16-QAM	RB1#0	23.83	-1.40	22.43	0.175	1.00	Pass
			RB1#13	23.95	-1.40	22.55	0.180	1.00	Pass
			RB1#24	23.83	-1.40	22.43	0.175	1.00	Pass
			RB12#0	22.69	-1.40	21.29	0.135	1.00	Pass
			RB12#6	22.74	-1.40	21.34	0.136	1.00	Pass
			RB12#13	22.75	-1.40	21.35	0.136	1.00	Pass
			RB25#0	22.67	-1.40	21.27	0.134	1.00	Pass
10 MHz	LCH	QPSK	RB1#0	24.34	-1.40	22.94	0.197	1.00	Pass
			RB1#25	24.25	-1.40	22.85	0.193	1.00	Pass
			RB1#49	24.33	-1.40	22.93	0.196	1.00	Pass
			RB25#0	23.42	-1.40	22.02	0.159	1.00	Pass
			RB25#13	23.38	-1.40	21.98	0.158	1.00	Pass
			RB25#25	23.38	-1.40	21.98	0.158	1.00	Pass
			RB50#0	23.37	-1.40	21.97	0.157	1.00	Pass
		16-QAM	RB1#0	23.79	-1.40	22.39	0.173	1.00	Pass
			RB1#25	23.73	-1.40	22.33	0.171	1.00	Pass
			RB1#49	23.53	-1.40	22.13	0.163	1.00	Pass
			RB25#0	22.47	-1.40	21.07	0.128	1.00	Pass
			RB25#13	22.43	-1.40	21.03	0.127	1.00	Pass
			RB25#25	22.42	-1.40	21.02	0.126	1.00	Pass
			RB50#0	22.39	-1.40	20.99	0.126	1.00	Pass
	MCH	QPSK	RB1#0	24.43	-1.40	23.03	0.201	1.00	Pass
			RB1#25	24.34	-1.40	22.94	0.197	1.00	Pass
			RB1#49	24.28	-1.40	22.88	0.194	1.00	Pass
			RB25#0	23.43	-1.40	22.03	0.160	1.00	Pass
			RB25#13	23.42	-1.40	22.02	0.159	1.00	Pass
			RB25#25	23.40	-1.40	22.00	0.158	1.00	Pass
			RB50#0	23.41	-1.40	22.01	0.159	1.00	Pass
		16-QAM	RB1#0	23.65	-1.40	22.25	0.168	1.00	Pass
			RB1#25	23.69	-1.40	22.29	0.169	1.00	Pass
			RB1#49	23.66	-1.40	22.26	0.168	1.00	Pass
			RB25#0	22.40	-1.40	21.00	0.126	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
15 MHz	HCH		RB25#13	22.44	-1.40	21.04	0.127	1.00	Pass
			RB25#25	22.47	-1.40	21.07	0.128	1.00	Pass
			RB50#0	22.45	-1.40	21.05	0.127	1.00	Pass
		QPSK	RB1#0	24.65	-1.40	23.25	0.211	1.00	Pass
			RB1#25	24.55	-1.40	23.15	0.207	1.00	Pass
			RB1#49	24.63	-1.40	23.23	0.210	1.00	Pass
			RB25#0	23.66	-1.40	22.26	0.168	1.00	Pass
			RB25#13	23.61	-1.40	22.21	0.166	1.00	Pass
			RB25#25	23.64	-1.40	22.24	0.167	1.00	Pass
			RB50#0	23.72	-1.40	22.32	0.171	1.00	Pass
		16-QAM	RB1#0	24.01	-1.40	22.61	0.182	1.00	Pass
			RB1#25	23.78	-1.40	22.38	0.173	1.00	Pass
			RB1#49	23.82	-1.40	22.42	0.175	1.00	Pass
			RB25#0	22.71	-1.40	21.31	0.135	1.00	Pass
			RB25#13	22.60	-1.40	21.20	0.132	1.00	Pass
			RB25#25	22.63	-1.40	21.23	0.133	1.00	Pass
			RB50#0	22.71	-1.40	21.31	0.135	1.00	Pass
15 MHz	LCH	QPSK	RB1#0	24.36	-1.40	22.96	0.198	1.00	Pass
			RB1#38	24.19	-1.40	22.79	0.190	1.00	Pass
			RB1#74	24.28	-1.40	22.88	0.194	1.00	Pass
			RB36#0	23.45	-1.40	22.05	0.160	1.00	Pass
			RB36#19	23.39	-1.40	21.99	0.158	1.00	Pass
			RB36#39	23.46	-1.40	22.06	0.161	1.00	Pass
			RB75#0	23.41	-1.40	22.01	0.159	1.00	Pass
		16-QAM	RB1#0	23.66	-1.40	22.26	0.168	1.00	Pass
			RB1#38	23.65	-1.40	22.25	0.168	1.00	Pass
			RB1#74	23.59	-1.40	22.19	0.166	1.00	Pass
			RB36#0	22.41	-1.40	21.01	0.126	1.00	Pass
			RB36#19	22.42	-1.40	21.02	0.126	1.00	Pass
			RB36#39	22.40	-1.40	21.00	0.126	1.00	Pass
			RB75#0	22.42	-1.40	21.02	0.126	1.00	Pass
	MCH	QPSK	RB1#0	24.49	-1.40	23.09	0.204	1.00	Pass
			RB1#38	24.30	-1.40	22.90	0.195	1.00	Pass
			RB1#74	24.34	-1.40	22.94	0.197	1.00	Pass
			RB36#0	23.57	-1.40	22.17	0.165	1.00	Pass
			RB36#19	23.50	-1.40	22.10	0.162	1.00	Pass
			RB36#39	23.52	-1.40	22.12	0.163	1.00	Pass
			RB75#0	23.52	-1.40	22.12	0.163	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
20 MHz	HCH	16-QAM	RB1#0	23.71	-1.40	22.31	0.170	1.00	Pass
			RB1#38	23.67	-1.40	22.27	0.169	1.00	Pass
			RB1#74	23.84	-1.40	22.44	0.175	1.00	Pass
			RB36#0	22.47	-1.40	21.07	0.128	1.00	Pass
			RB36#19	22.48	-1.40	21.08	0.128	1.00	Pass
			RB36#39	22.50	-1.40	21.10	0.129	1.00	Pass
			RB75#0	22.51	-1.40	21.11	0.129	1.00	Pass
		QPSK	RB1#0	24.63	-1.40	23.23	0.210	1.00	Pass
			RB1#38	24.48	-1.40	23.08	0.203	1.00	Pass
			RB1#74	24.64	-1.40	23.24	0.211	1.00	Pass
			RB36#0	23.72	-1.40	22.32	0.171	1.00	Pass
			RB36#19	23.76	-1.40	22.36	0.172	1.00	Pass
			RB36#39	23.69	-1.40	22.29	0.169	1.00	Pass
			RB75#0	23.75	-1.40	22.35	0.172	1.00	Pass
		16-QAM	RB1#0	23.91	-1.40	22.51	0.178	1.00	Pass
			RB1#38	23.84	-1.40	22.44	0.175	1.00	Pass
			RB1#74	23.86	-1.40	22.46	0.176	1.00	Pass
			RB36#0	22.71	-1.40	21.31	0.135	1.00	Pass
			RB36#19	22.75	-1.40	21.35	0.136	1.00	Pass
			RB36#39	22.67	-1.40	21.27	0.134	1.00	Pass
			RB75#0	22.73	-1.40	21.33	0.136	1.00	Pass
	LCH	QPSK	RB1#0	24.49	-1.40	23.09	0.204	1.00	Pass
			RB1#50	24.33	-1.40	22.93	0.196	1.00	Pass
			RB1#99	24.38	-1.40	22.98	0.199	1.00	Pass
			RB50#0	23.45	-1.40	22.05	0.160	1.00	Pass
			RB50#25	23.41	-1.40	22.01	0.159	1.00	Pass
			RB50#50	23.38	-1.40	21.98	0.158	1.00	Pass
			RB100#0	23.37	-1.40	21.97	0.157	1.00	Pass
		16-QAM	RB1#0	23.84	-1.40	22.44	0.175	1.00	Pass
			RB1#50	23.60	-1.40	22.20	0.166	1.00	Pass
			RB1#99	23.62	-1.40	22.22	0.167	1.00	Pass
			RB50#0	22.43	-1.40	21.03	0.127	1.00	Pass
			RB50#25	22.37	-1.40	20.97	0.125	1.00	Pass
			RB50#50	22.42	-1.40	21.02	0.126	1.00	Pass
			RB100#0	22.39	-1.40	20.99	0.126	1.00	Pass
		QPSK	RB1#0	24.53	-1.40	23.13	0.206	1.00	Pass
			RB1#50	24.33	-1.40	22.93	0.196	1.00	Pass
			RB1#99	24.41	-1.40	23.01	0.200	1.00	Pass
	MCH	QPSK	RB1#0	24.53	-1.40	23.13	0.206	1.00	Pass
			RB1#50	24.33	-1.40	22.93	0.196	1.00	Pass
			RB1#99	24.41	-1.40	23.01	0.200	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
			RB50#0	23.46	-1.40	22.06	0.161	1.00	Pass
			RB50#25	23.48	-1.40	22.08	0.161	1.00	Pass
			RB50#50	23.50	-1.40	22.10	0.162	1.00	Pass
			RB100#0	23.49	-1.40	22.09	0.162	1.00	Pass
		16-QAM	RB1#0	23.70	-1.40	22.30	0.170	1.00	Pass
			RB1#50	23.63	-1.40	22.23	0.167	1.00	Pass
			RB1#99	23.76	-1.40	22.36	0.172	1.00	Pass
			RB50#0	22.49	-1.40	21.09	0.129	1.00	Pass
			RB50#25	22.49	-1.40	21.09	0.129	1.00	Pass
			RB50#50	22.54	-1.40	21.14	0.130	1.00	Pass
			RB100#0	22.48	-1.40	21.08	0.128	1.00	Pass
	HCH	QPSK	RB1#0	24.69	-1.40	23.29	0.213	1.00	Pass
			RB1#50	24.58	-1.40	23.18	0.208	1.00	Pass
			RB1#99	24.60	-1.40	23.20	0.209	1.00	Pass
			RB50#0	23.73	-1.40	22.33	0.171	1.00	Pass
			RB50#25	23.73	-1.40	22.33	0.171	1.00	Pass
			RB50#50	23.70	-1.40	22.30	0.170	1.00	Pass
			RB100#0	23.70	-1.40	22.30	0.170	1.00	Pass
		16-QAM	RB1#0	24.08	-1.40	22.68	0.185	1.00	Pass
			RB1#50	23.84	-1.40	22.44	0.175	1.00	Pass
			RB1#99	23.82	-1.40	22.42	0.175	1.00	Pass
			RB50#0	22.82	-1.40	21.42	0.139	1.00	Pass
			RB50#25	22.70	-1.40	21.30	0.135	1.00	Pass
			RB50#50	22.77	-1.40	21.37	0.137	1.00	Pass
			RB100#0	22.73	-1.40	21.33	0.136	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND5										
1.4 MHz	LCH	QPSK	RB1#0	24.28	-0.80	-2.95	21.33	0.136	7.00	Pass
			RB1#3	24.30	-0.80	-2.95	21.35	0.136	7.00	Pass
			RB1#5	24.26	-0.80	-2.95	21.31	0.135	7.00	Pass
			RB3#0	24.26	-0.80	-2.95	21.31	0.135	7.00	Pass
			RB3#2	24.30	-0.80	-2.95	21.35	0.136	7.00	Pass
			RB3#3	24.27	-0.80	-2.95	21.32	0.136	7.00	Pass
			RB6#0	23.28	-0.80	-2.95	20.33	0.108	7.00	Pass
		16-QAM	RB1#0	23.60	-0.80	-2.95	20.65	0.116	7.00	Pass
			RB1#3	23.70	-0.80	-2.95	20.75	0.119	7.00	Pass
			RB1#5	23.50	-0.80	-2.95	20.55	0.114	7.00	Pass
			RB3#0	23.42	-0.80	-2.95	20.47	0.111	7.00	Pass
			RB3#2	23.50	-0.80	-2.95	20.55	0.114	7.00	Pass
			RB3#3	23.36	-0.80	-2.95	20.41	0.110	7.00	Pass
			RB6#0	22.25	-0.80	-2.95	19.30	0.085	7.00	Pass
	MCH	QPSK	RB1#0	24.16	-0.80	-2.95	21.21	0.132	7.00	Pass
			RB1#3	24.25	-0.80	-2.95	21.30	0.135	7.00	Pass
			RB1#5	24.18	-0.80	-2.95	21.23	0.133	7.00	Pass
			RB3#0	24.16	-0.80	-2.95	21.21	0.132	7.00	Pass
			RB3#2	24.21	-0.80	-2.95	21.26	0.134	7.00	Pass
			RB3#3	24.18	-0.80	-2.95	21.23	0.133	7.00	Pass
			RB6#0	23.20	-0.80	-2.95	20.25	0.106	7.00	Pass
		16-QAM	RB1#0	23.44	-0.80	-2.95	20.49	0.112	7.00	Pass
			RB1#3	23.45	-0.80	-2.95	20.50	0.112	7.00	Pass
			RB1#5	23.39	-0.80	-2.95	20.44	0.111	7.00	Pass
			RB3#0	23.27	-0.80	-2.95	20.32	0.108	7.00	Pass
			RB3#2	23.37	-0.80	-2.95	20.42	0.110	7.00	Pass
			RB3#3	23.31	-0.80	-2.95	20.36	0.109	7.00	Pass
			RB6#0	22.25	-0.80	-2.95	19.30	0.085	7.00	Pass
	HCH	QPSK	RB1#0	24.04	-0.80	-2.95	21.09	0.129	7.00	Pass
			RB1#3	24.10	-0.80	-2.95	21.15	0.130	7.00	Pass
			RB1#5	24.05	-0.80	-2.95	21.10	0.129	7.00	Pass
			RB3#0	24.02	-0.80	-2.95	21.07	0.128	7.00	Pass
			RB3#2	24.11	-0.80	-2.95	21.16	0.131	7.00	Pass
			RB3#3	24.04	-0.80	-2.95	21.09	0.129	7.00	Pass
			RB6#0	23.01	-0.80	-2.95	20.06	0.101	7.00	Pass
		16-QAM	RB1#0	23.14	-0.80	-2.95	20.19	0.104	7.00	Pass
			RB1#3	23.27	-0.80	-2.95	20.32	0.108	7.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND5										
3 MHz			RB1#5	23.20	-0.80	-2.95	20.25	0.106	7.00	Pass
			RB3#0	23.16	-0.80	-2.95	20.21	0.105	7.00	Pass
			RB3#2	23.20	-0.80	-2.95	20.25	0.106	7.00	Pass
			RB3#3	23.19	-0.80	-2.95	20.24	0.106	7.00	Pass
			RB6#0	22.14	-0.80	-2.95	19.19	0.083	7.00	Pass
	LCH	QPSK	RB1#0	24.39	-0.80	-2.95	21.44	0.139	7.00	Pass
			RB1#7	24.34	-0.80	-2.95	21.39	0.138	7.00	Pass
			RB1#14	24.33	-0.80	-2.95	21.38	0.137	7.00	Pass
			RB8#0	23.38	-0.80	-2.95	20.43	0.110	7.00	Pass
			RB8#4	23.42	-0.80	-2.95	20.47	0.111	7.00	Pass
			RB8#7	23.38	-0.80	-2.95	20.43	0.110	7.00	Pass
			RB15#0	23.41	-0.80	-2.95	20.46	0.111	7.00	Pass
		16-QAM	RB1#0	23.77	-0.80	-2.95	20.82	0.121	7.00	Pass
			RB1#7	23.65	-0.80	-2.95	20.70	0.117	7.00	Pass
			RB1#14	23.70	-0.80	-2.95	20.75	0.119	7.00	Pass
			RB8#0	22.42	-0.80	-2.95	19.47	0.089	7.00	Pass
			RB8#4	22.46	-0.80	-2.95	19.51	0.089	7.00	Pass
			RB8#7	22.40	-0.80	-2.95	19.45	0.088	7.00	Pass
			RB15#0	22.45	-0.80	-2.95	19.50	0.089	7.00	Pass
	MCH	QPSK	RB1#0	24.26	-0.80	-2.95	21.31	0.135	7.00	Pass
			RB1#7	24.27	-0.80	-2.95	21.32	0.136	7.00	Pass
			RB1#14	24.24	-0.80	-2.95	21.29	0.135	7.00	Pass
			RB8#0	23.26	-0.80	-2.95	20.31	0.107	7.00	Pass
			RB8#4	23.30	-0.80	-2.95	20.35	0.108	7.00	Pass
			RB8#7	23.23	-0.80	-2.95	20.28	0.107	7.00	Pass
			RB15#0	23.25	-0.80	-2.95	20.30	0.107	7.00	Pass
		16-QAM	RB1#0	23.41	-0.80	-2.95	20.46	0.111	7.00	Pass
			RB1#7	23.52	-0.80	-2.95	20.57	0.114	7.00	Pass
			RB1#14	23.43	-0.80	-2.95	20.48	0.112	7.00	Pass
			RB8#0	22.30	-0.80	-2.95	19.35	0.086	7.00	Pass
			RB8#4	22.34	-0.80	-2.95	19.39	0.087	7.00	Pass
			RB8#7	22.26	-0.80	-2.95	19.31	0.085	7.00	Pass
			RB15#0	22.34	-0.80	-2.95	19.39	0.087	7.00	Pass
	HCH	QPSK	RB1#0	24.08	-0.80	-2.95	21.13	0.130	7.00	Pass
			RB1#7	24.02	-0.80	-2.95	21.07	0.128	7.00	Pass
			RB1#14	24.06	-0.80	-2.95	21.11	0.129	7.00	Pass
			RB8#0	23.11	-0.80	-2.95	20.16	0.104	7.00	Pass
			RB8#4	23.18	-0.80	-2.95	20.23	0.105	7.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND5										
		16-QAM	RB8#7	23.14	-0.80	-2.95	20.19	0.104	7.00	Pass
			RB15#0	23.17	-0.80	-2.95	20.22	0.105	7.00	Pass
			RB1#0	23.45	-0.80	-2.95	20.50	0.112	7.00	Pass
			RB1#7	23.47	-0.80	-2.95	20.52	0.113	7.00	Pass
			RB1#14	23.44	-0.80	-2.95	20.49	0.112	7.00	Pass
			RB8#0	22.21	-0.80	-2.95	19.26	0.084	7.00	Pass
			RB8#4	22.22	-0.80	-2.95	19.27	0.085	7.00	Pass
			RB8#7	22.20	-0.80	-2.95	19.25	0.084	7.00	Pass
			RB15#0	22.20	-0.80	-2.95	19.25	0.084	7.00	Pass
5 MHz	LCH	QPSK	RB1#0	23.24	-0.80	-2.95	20.29	0.107	7.00	Pass
			RB1#13	24.37	-0.80	-2.95	21.42	0.139	7.00	Pass
			RB1#24	24.29	-0.80	-2.95	21.34	0.136	7.00	Pass
			RB12#0	23.38	-0.80	-2.95	20.43	0.110	7.00	Pass
			RB12#6	23.36	-0.80	-2.95	20.41	0.110	7.00	Pass
			RB12#13	23.32	-0.80	-2.95	20.37	0.109	7.00	Pass
			RB25#0	23.37	-0.80	-2.95	20.42	0.110	7.00	Pass
		16-QAM	RB1#0	23.78	-0.80	-2.95	20.83	0.121	7.00	Pass
			RB1#13	23.75	-0.80	-2.95	20.80	0.120	7.00	Pass
			RB1#24	23.70	-0.80	-2.95	20.75	0.119	7.00	Pass
			RB12#0	22.32	-0.80	-2.95	19.37	0.086	7.00	Pass
			RB12#6	22.37	-0.80	-2.95	19.42	0.087	7.00	Pass
			RB12#13	22.28	-0.80	-2.95	19.33	0.086	7.00	Pass
			RB25#0	22.34	-0.80	-2.95	19.39	0.087	7.00	Pass
	MCH	QPSK	RB1#0	24.24	-0.80	-2.95	21.29	0.135	7.00	Pass
			RB1#13	24.30	-0.80	-2.95	21.35	0.136	7.00	Pass
			RB1#24	24.21	-0.80	-2.95	21.26	0.134	7.00	Pass
			RB12#0	23.30	-0.80	-2.95	20.35	0.108	7.00	Pass
			RB12#6	23.28	-0.80	-2.95	20.33	0.108	7.00	Pass
			RB12#13	23.22	-0.80	-2.95	20.27	0.106	7.00	Pass
			RB25#0	23.24	-0.80	-2.95	20.29	0.107	7.00	Pass
		16-QAM	RB1#0	23.59	-0.80	-2.95	20.64	0.116	7.00	Pass
			RB1#13	23.64	-0.80	-2.95	20.69	0.117	7.00	Pass
			RB1#24	23.54	-0.80	-2.95	20.59	0.115	7.00	Pass
			RB12#0	22.32	-0.80	-2.95	19.37	0.086	7.00	Pass
			RB12#6	22.36	-0.80	-2.95	19.41	0.087	7.00	Pass
			RB12#13	22.31	-0.80	-2.95	19.36	0.086	7.00	Pass
			RB25#0	22.30	-0.80	-2.95	19.35	0.086	7.00	Pass
	HCH	QPSK	RB1#0	24.18	-0.80	-2.95	21.23	0.133	7.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND5										
			RB1#13	24.23	-0.80	-2.95	21.28	0.134	7.00	Pass
			RB1#24	24.13	-0.80	-2.95	21.18	0.131	7.00	Pass
			RB12#0	23.19	-0.80	-2.95	20.24	0.106	7.00	Pass
			RB12#6	23.19	-0.80	-2.95	20.24	0.106	7.00	Pass
			RB12#13	23.17	-0.80	-2.95	20.22	0.105	7.00	Pass
			RB25#0	23.19	-0.80	-2.95	20.24	0.106	7.00	Pass
		16-QAM	RB1#0	23.46	-0.80	-2.95	20.51	0.112	7.00	Pass
			RB1#13	23.45	-0.80	-2.95	20.50	0.112	7.00	Pass
			RB1#24	23.40	-0.80	-2.95	20.45	0.111	7.00	Pass
			RB12#0	22.27	-0.80	-2.95	19.32	0.086	7.00	Pass
			RB12#6	22.27	-0.80	-2.95	19.32	0.086	7.00	Pass
			RB12#13	22.21	-0.80	-2.95	19.26	0.084	7.00	Pass
			RB25#0	22.24	-0.80	-2.95	19.29	0.085	7.00	Pass
10 MHz	LCH	QPSK	RB1#0	23.32	-0.80	-2.95	20.37	0.109	7.00	Pass
			RB1#25	23.31	-0.80	-2.95	20.36	0.109	7.00	Pass
			RB1#49	23.30	-0.80	-2.95	20.35	0.108	7.00	Pass
			RB25#0	23.30	-0.80	-2.95	20.35	0.108	7.00	Pass
			RB25#13	23.34	-0.80	-2.95	20.39	0.109	7.00	Pass
			RB25#25	23.33	-0.80	-2.95	20.38	0.109	7.00	Pass
			RB50#0	23.32	-0.80	-2.95	20.37	0.109	7.00	Pass
		16-QAM	RB1#0	23.31	-0.80	-2.95	20.36	0.109	7.00	Pass
			RB1#25	23.30	-0.80	-2.95	20.35	0.108	7.00	Pass
			RB1#49	23.29	-0.80	-2.95	20.34	0.108	7.00	Pass
			RB25#0	23.30	-0.80	-2.95	20.35	0.108	7.00	Pass
			RB25#13	23.30	-0.80	-2.95	20.35	0.108	7.00	Pass
			RB25#25	23.29	-0.80	-2.95	20.34	0.108	7.00	Pass
			RB50#0	23.32	-0.80	-2.95	20.37	0.109	7.00	Pass
	MCH	QPSK	RB1#0	24.28	-0.80	-2.95	21.33	0.136	7.00	Pass
			RB1#25	24.27	-0.80	-2.95	21.32	0.136	7.00	Pass
			RB1#49	24.29	-0.80	-2.95	21.34	0.136	7.00	Pass
			RB25#0	23.29	-0.80	-2.95	20.34	0.108	7.00	Pass
			RB25#13	23.31	-0.80	-2.95	20.36	0.109	7.00	Pass
			RB25#25	23.22	-0.80	-2.95	20.27	0.106	7.00	Pass
			RB50#0	23.24	-0.80	-2.95	20.29	0.107	7.00	Pass
		16-QAM	RB1#0	23.61	-0.80	-2.95	20.66	0.116	7.00	Pass
			RB1#25	23.60	-0.80	-2.95	20.65	0.116	7.00	Pass
			RB1#49	23.49	-0.80	-2.95	20.54	0.113	7.00	Pass
			RB25#0	22.32	-0.80	-2.95	19.37	0.086	7.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND5										
	HCH		RB25#13	22.32	-0.80	-2.95	19.37	0.086	7.00	Pass
			RB25#25	22.32	-0.80	-2.95	19.37	0.086	7.00	Pass
			RB50#0	22.26	-0.80	-2.95	19.31	0.085	7.00	Pass
		QPSK	RB1#0	24.09	-0.80	-2.95	21.14	0.130	7.00	Pass
			RB1#25	24.20	-0.80	-2.95	21.25	0.133	7.00	Pass
			RB1#49	24.12	-0.80	-2.95	21.17	0.131	7.00	Pass
			RB25#0	23.10	-0.80	-2.95	20.15	0.104	7.00	Pass
			RB25#13	23.24	-0.80	-2.95	20.29	0.107	7.00	Pass
			RB25#25	23.19	-0.80	-2.95	20.24	0.106	7.00	Pass
			RB50#0	23.07	-0.80	-2.95	20.12	0.103	7.00	Pass
		16-QAM	RB1#0	23.28	-0.80	-2.95	20.33	0.108	7.00	Pass
			RB1#25	23.38	-0.80	-2.95	20.43	0.110	7.00	Pass
			RB1#49	23.37	-0.80	-2.95	20.42	0.110	7.00	Pass
			RB25#0	22.14	-0.80	-2.95	19.19	0.083	7.00	Pass
			RB25#13	22.25	-0.80	-2.95	19.30	0.085	7.00	Pass
			RB25#25	22.25	-0.80	-2.95	19.30	0.085	7.00	Pass
			RB50#0	22.14	-0.80	-2.95	19.19	0.083	7.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND7									
5 MHz	LCH	QPSK	RB1#0	20.93	1.70	22.63	0.183	2.00	Pass
			RB1#13	21.08	1.70	22.78	0.190	2.00	Pass
			RB1#24	21.03	1.70	22.73	0.187	2.00	Pass
			RB12#0	19.98	1.70	21.68	0.147	2.00	Pass
			RB12#6	20.07	1.70	21.77	0.150	2.00	Pass
			RB12#13	20.08	1.70	21.78	0.151	2.00	Pass
			RB25#0	20.01	1.70	21.71	0.148	2.00	Pass
		16-QAM	RB1#0	20.06	1.70	21.76	0.150	2.00	Pass
			RB1#13	20.26	1.70	21.96	0.157	2.00	Pass
			RB1#24	20.26	1.70	21.96	0.157	2.00	Pass
			RB12#0	19.07	1.70	20.77	0.119	2.00	Pass
			RB12#6	19.12	1.70	20.82	0.121	2.00	Pass
			RB12#13	19.13	1.70	20.83	0.121	2.00	Pass
			RB25#0	19.05	1.70	20.75	0.119	2.00	Pass
	MCH	QPSK	RB1#0	21.52	1.70	23.22	0.210	2.00	Pass
			RB1#13	21.66	1.70	23.36	0.217	2.00	Pass
			RB1#24	21.63	1.70	23.33	0.215	2.00	Pass
			RB12#0	20.57	1.70	22.27	0.169	2.00	Pass
			RB12#6	20.61	1.70	22.31	0.170	2.00	Pass
			RB12#13	20.63	1.70	22.33	0.171	2.00	Pass
			RB25#0	20.56	1.70	22.26	0.168	2.00	Pass
		16-QAM	RB1#0	20.96	1.70	22.66	0.185	2.00	Pass
			RB1#13	21.06	1.70	22.76	0.189	2.00	Pass
			RB1#24	21.05	1.70	22.75	0.188	2.00	Pass
			RB12#0	19.68	1.70	21.38	0.137	2.00	Pass
			RB12#6	19.72	1.70	21.42	0.139	2.00	Pass
			RB12#13	19.74	1.70	21.44	0.139	2.00	Pass
			RB25#0	19.65	1.70	21.35	0.136	2.00	Pass
	HCH	QPSK	RB1#0	21.51	1.70	23.21	0.209	2.00	Pass
			RB1#13	21.54	1.70	23.24	0.211	2.00	Pass
			RB1#24	21.49	1.70	23.19	0.208	2.00	Pass
			RB12#0	20.53	1.70	22.23	0.167	2.00	Pass
			RB12#6	20.53	1.70	22.23	0.167	2.00	Pass
			RB12#13	20.49	1.70	22.19	0.166	2.00	Pass
			RB25#0	20.55	1.70	22.25	0.168	2.00	Pass
		16-QAM	RB1#0	20.65	1.70	22.35	0.172	2.00	Pass
			RB1#13	20.69	1.70	22.39	0.173	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND7									
10 MHz			RB1#24	20.63	1.70	22.33	0.171	2.00	Pass
			RB12#0	19.60	1.70	21.30	0.135	2.00	Pass
			RB12#6	19.61	1.70	21.31	0.135	2.00	Pass
			RB12#13	19.57	1.70	21.27	0.134	2.00	Pass
			RB25#0	19.46	1.70	21.16	0.131	2.00	Pass
	LCH	QPSK	RB1#0	20.99	1.70	22.69	0.186	2.00	Pass
			RB1#25	21.06	1.70	22.76	0.189	2.00	Pass
			RB1#49	21.17	1.70	22.87	0.194	2.00	Pass
			RB25#0	20.02	1.70	21.72	0.149	2.00	Pass
			RB25#13	20.08	1.70	21.78	0.151	2.00	Pass
			RB25#25	20.16	1.70	21.86	0.153	2.00	Pass
			RB50#0	20.07	1.70	21.77	0.150	2.00	Pass
		16-QAM	RB1#0	20.21	1.70	21.91	0.155	2.00	Pass
			RB1#25	20.36	1.70	22.06	0.161	2.00	Pass
			RB1#49	20.46	1.70	22.16	0.164	2.00	Pass
			RB25#0	19.03	1.70	20.73	0.118	2.00	Pass
			RB25#13	19.13	1.70	20.83	0.121	2.00	Pass
			RB25#25	19.16	1.70	20.86	0.122	2.00	Pass
			RB50#0	19.06	1.70	20.76	0.119	2.00	Pass
	MCH	QPSK	RB1#0	21.57	1.70	23.27	0.212	2.00	Pass
			RB1#25	21.67	1.70	23.37	0.217	2.00	Pass
			RB1#49	21.66	1.70	23.36	0.217	2.00	Pass
			RB25#0	20.59	1.70	22.29	0.169	2.00	Pass
			RB25#13	20.70	1.70	22.40	0.174	2.00	Pass
			RB25#25	20.71	1.70	22.41	0.174	2.00	Pass
			RB50#0	20.68	1.70	22.38	0.173	2.00	Pass
		16-QAM	RB1#0	20.86	1.70	22.56	0.180	2.00	Pass
			RB1#25	20.97	1.70	22.67	0.185	2.00	Pass
			RB1#49	20.93	1.70	22.63	0.183	2.00	Pass
			RB25#0	19.58	1.70	21.28	0.134	2.00	Pass
			RB25#13	19.71	1.70	21.41	0.138	2.00	Pass
			RB25#25	19.72	1.70	21.42	0.139	2.00	Pass
			RB50#0	19.63	1.70	21.33	0.136	2.00	Pass
	HCH	QPSK	RB1#0	21.73	1.70	23.43	0.220	2.00	Pass
			RB1#25	21.63	1.70	23.33	0.215	2.00	Pass
			RB1#49	21.61	1.70	23.31	0.214	2.00	Pass
			RB25#0	20.74	1.70	22.44	0.175	2.00	Pass
			RB25#13	20.63	1.70	22.33	0.171	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND7									
		16-QAM	RB25#25	20.61	1.70	22.31	0.170	2.00	Pass
			RB50#0	20.72	1.70	22.42	0.175	2.00	Pass
			RB1#0	20.96	1.70	22.66	0.185	2.00	Pass
			RB1#25	20.89	1.70	22.59	0.182	2.00	Pass
			RB1#49	20.72	1.70	22.42	0.175	2.00	Pass
			RB25#0	19.77	1.70	21.47	0.140	2.00	Pass
			RB25#13	19.67	1.70	21.37	0.137	2.00	Pass
			RB25#25	19.61	1.70	21.31	0.135	2.00	Pass
			RB50#0	19.70	1.70	21.40	0.138	2.00	Pass
15 MHz	LCH	QPSK	RB1#0	20.98	1.70	22.68	0.185	2.00	Pass
			RB1#38	21.10	1.70	22.80	0.191	2.00	Pass
			RB1#74	21.25	1.70	22.95	0.197	2.00	Pass
			RB36#0	20.17	1.70	21.87	0.154	2.00	Pass
			RB36#19	20.24	1.70	21.94	0.156	2.00	Pass
			RB36#39	20.28	1.70	21.98	0.158	2.00	Pass
			RB75#0	20.21	1.70	21.91	0.155	2.00	Pass
		16-QAM	RB1#0	20.36	1.70	22.06	0.161	2.00	Pass
			RB1#38	20.45	1.70	22.15	0.164	2.00	Pass
			RB1#74	20.75	1.70	22.45	0.176	2.00	Pass
			RB36#0	19.16	1.70	20.86	0.122	2.00	Pass
			RB36#19	19.23	1.70	20.93	0.124	2.00	Pass
			RB36#39	19.32	1.70	21.02	0.126	2.00	Pass
			RB75#0	19.21	1.70	20.91	0.123	2.00	Pass
	MCH	QPSK	RB1#0	21.57	1.70	23.27	0.212	2.00	Pass
			RB1#38	21.63	1.70	23.33	0.215	2.00	Pass
			RB1#74	21.74	1.70	23.44	0.221	2.00	Pass
			RB36#0	20.67	1.70	22.37	0.173	2.00	Pass
			RB36#19	20.75	1.70	22.45	0.176	2.00	Pass
			RB36#39	20.83	1.70	22.53	0.179	2.00	Pass
			RB75#0	20.77	1.70	22.47	0.177	2.00	Pass
		16-QAM	RB1#0	20.87	1.70	22.57	0.181	2.00	Pass
			RB1#38	20.92	1.70	22.62	0.183	2.00	Pass
			RB1#74	21.03	1.70	22.73	0.187	2.00	Pass
			RB36#0	19.71	1.70	21.41	0.138	2.00	Pass
			RB36#19	19.79	1.70	21.49	0.141	2.00	Pass
			RB36#39	19.81	1.70	21.51	0.142	2.00	Pass
			RB75#0	19.71	1.70	21.41	0.138	2.00	Pass
	HCH	QPSK	RB1#0	21.79	1.70	23.49	0.223	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND7									
			RB1#38	21.58	1.70	23.28	0.213	2.00	Pass
			RB1#74	21.58	1.70	23.28	0.213	2.00	Pass
			RB36#0	20.78	1.70	22.48	0.177	2.00	Pass
			RB36#19	20.76	1.70	22.46	0.176	2.00	Pass
			RB36#39	20.64	1.70	22.34	0.171	2.00	Pass
			RB75#0	20.78	1.70	22.48	0.177	2.00	Pass
		16-QAM	RB1#0	21.22	1.70	22.92	0.196	2.00	Pass
			RB1#38	21.00	1.70	22.70	0.186	2.00	Pass
			RB1#74	21.00	1.70	22.70	0.186	2.00	Pass
			RB36#0	19.69	1.70	21.39	0.138	2.00	Pass
			RB36#19	19.73	1.70	21.43	0.139	2.00	Pass
			RB36#39	19.63	1.70	21.33	0.136	2.00	Pass
			RB75#0	19.73	1.70	21.43	0.139	2.00	Pass
20 MHz	LCH	QPSK	RB1#0	21.06	1.70	22.76	0.189	2.00	Pass
			RB1#50	21.25	1.70	22.95	0.197	2.00	Pass
			RB1#99	21.40	1.70	23.10	0.204	2.00	Pass
			RB50#0	20.22	1.70	21.92	0.156	2.00	Pass
			RB50#25	20.27	1.70	21.97	0.157	2.00	Pass
			RB50#50	20.35	1.70	22.05	0.160	2.00	Pass
			RB100#0	20.29	1.70	21.99	0.158	2.00	Pass
		16-QAM	RB1#0	20.56	1.70	22.26	0.168	2.00	Pass
			RB1#50	20.74	1.70	22.44	0.175	2.00	Pass
			RB1#99	20.92	1.70	22.62	0.183	2.00	Pass
			RB50#0	19.25	1.70	20.95	0.124	2.00	Pass
			RB50#25	19.32	1.70	21.02	0.126	2.00	Pass
			RB50#50	19.35	1.70	21.05	0.127	2.00	Pass
			RB100#0	19.29	1.70	20.99	0.126	2.00	Pass
	MCH	QPSK	RB1#0	21.55	1.70	23.25	0.211	2.00	Pass
			RB1#50	21.69	1.70	23.39	0.218	2.00	Pass
			RB1#99	21.83	1.70	23.53	0.225	2.00	Pass
			RB50#0	20.62	1.70	22.32	0.171	2.00	Pass
			RB50#25	20.68	1.70	22.38	0.173	2.00	Pass
			RB50#50	20.80	1.70	22.50	0.178	2.00	Pass
			RB100#0	20.71	1.70	22.41	0.174	2.00	Pass
		16-QAM	RB1#0	20.97	1.70	22.67	0.185	2.00	Pass
			RB1#50	20.99	1.70	22.69	0.186	2.00	Pass
			RB1#99	21.18	1.70	22.88	0.194	2.00	Pass
			RB50#0	19.65	1.70	21.35	0.136	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND7									
			RB50#25	19.69	1.70	21.39	0.138	2.00	Pass
			RB50#50	19.80	1.70	21.50	0.141	2.00	Pass
			RB100#0	19.67	1.70	21.37	0.137	2.00	Pass
	HCH	QPSK	RB1#0	21.68	1.70	23.38	0.218	2.00	Pass
			RB1#50	21.60	1.70	23.30	0.214	2.00	Pass
			RB1#99	21.53	1.70	23.23	0.210	2.00	Pass
			RB50#0	20.77	1.70	22.47	0.177	2.00	Pass
			RB50#25	20.72	1.70	22.42	0.175	2.00	Pass
			RB50#50	20.75	1.70	22.45	0.176	2.00	Pass
			RB100#0	20.67	1.70	22.37	0.173	2.00	Pass
		16-QAM	RB1#0	21.04	1.70	22.74	0.188	2.00	Pass
			RB1#50	20.99	1.70	22.69	0.186	2.00	Pass
			RB1#99	20.84	1.70	22.54	0.179	2.00	Pass
			RB50#0	19.64	1.70	21.34	0.136	2.00	Pass
			RB50#25	19.57	1.70	21.27	0.134	2.00	Pass
			RB50#50	19.58	1.70	21.28	0.134	2.00	Pass
			RB100#0	19.63	1.70	21.33	0.136	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND38									
5 MHz	LCH	QPSK	RB1#0	21.83	1.90	23.73	0.236	2.00	Pass
			RB1#13	21.88	1.90	23.78	0.239	2.00	Pass
			RB1#24	21.79	1.90	23.69	0.234	2.00	Pass
			RB12#0	20.78	1.90	22.68	0.185	2.00	Pass
			RB12#6	20.82	1.90	22.72	0.187	2.00	Pass
			RB12#13	20.78	1.90	22.68	0.185	2.00	Pass
			RB25#0	20.77	1.90	22.67	0.185	2.00	Pass
		16-QAM	RB1#0	21.15	1.90	23.05	0.202	2.00	Pass
			RB1#13	21.20	1.90	23.10	0.204	2.00	Pass
			RB1#24	21.11	1.90	23.01	0.200	2.00	Pass
			RB12#0	19.91	1.90	21.81	0.152	2.00	Pass
			RB12#6	19.95	1.90	21.85	0.153	2.00	Pass
			RB12#13	19.88	1.90	21.78	0.151	2.00	Pass
			RB25#0	19.82	1.90	21.72	0.149	2.00	Pass
	MCH	QPSK	RB1#0	22.59	1.90	24.49	0.281	2.00	Pass
			RB1#13	22.70	1.90	24.60	0.288	2.00	Pass
			RB1#24	22.66	1.90	24.56	0.286	2.00	Pass
			RB12#0	21.64	1.90	23.54	0.226	2.00	Pass
			RB12#6	21.72	1.90	23.62	0.230	2.00	Pass
			RB12#13	21.66	1.90	23.56	0.227	2.00	Pass
			RB25#0	21.65	1.90	23.55	0.226	2.00	Pass
		16-QAM	RB1#0	21.77	1.90	23.67	0.233	2.00	Pass
			RB1#13	21.90	1.90	23.80	0.240	2.00	Pass
			RB1#24	21.82	1.90	23.72	0.236	2.00	Pass
			RB12#0	20.64	1.90	22.54	0.179	2.00	Pass
			RB12#6	20.71	1.90	22.61	0.182	2.00	Pass
			RB12#13	20.70	1.90	22.60	0.182	2.00	Pass
			RB25#0	20.62	1.90	22.52	0.179	2.00	Pass
	HCH	QPSK	RB1#0	22.80	1.90	24.70	0.295	2.00	Pass
			RB1#13	22.86	1.90	24.76	0.299	2.00	Pass
			RB1#24	22.77	1.90	24.67	0.293	2.00	Pass
			RB12#0	21.79	1.90	23.69	0.234	2.00	Pass
			RB12#6	21.85	1.90	23.75	0.237	2.00	Pass
			RB12#13	21.78	1.90	23.68	0.233	2.00	Pass
			RB25#0	21.79	1.90	23.69	0.234	2.00	Pass
		16-QAM	RB1#0	22.01	1.90	23.91	0.246	2.00	Pass
			RB1#13	22.09	1.90	23.99	0.251	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND38									
10 MHz			RB1#24	21.99	1.90	23.89	0.245	2.00	Pass
			RB12#0	20.77	1.90	22.67	0.185	2.00	Pass
			RB12#6	20.78	1.90	22.68	0.185	2.00	Pass
			RB12#13	20.78	1.90	22.68	0.185	2.00	Pass
			RB25#0	20.81	1.90	22.71	0.187	2.00	Pass
	LCH	QPSK	RB1#0	21.80	1.90	23.70	0.234	2.00	Pass
			RB1#25	21.77	1.90	23.67	0.233	2.00	Pass
			RB1#49	21.87	1.90	23.77	0.238	2.00	Pass
			RB25#0	20.80	1.90	22.70	0.186	2.00	Pass
			RB25#13	20.85	1.90	22.75	0.188	2.00	Pass
			RB25#25	20.89	1.90	22.79	0.190	2.00	Pass
			RB50#0	20.88	1.90	22.78	0.190	2.00	Pass
		16-QAM	RB1#0	21.06	1.90	22.96	0.198	2.00	Pass
			RB1#25	21.00	1.90	22.90	0.195	2.00	Pass
			RB1#49	21.15	1.90	23.05	0.202	2.00	Pass
			RB25#0	19.81	1.90	21.71	0.148	2.00	Pass
			RB25#13	19.79	1.90	21.69	0.148	2.00	Pass
			RB25#25	19.91	1.90	21.81	0.152	2.00	Pass
			RB50#0	19.90	1.90	21.80	0.151	2.00	Pass
	MCH	QPSK	RB1#0	22.50	1.90	24.40	0.275	2.00	Pass
			RB1#25	22.62	1.90	24.52	0.283	2.00	Pass
			RB1#49	22.71	1.90	24.61	0.289	2.00	Pass
			RB25#0	21.64	1.90	23.54	0.226	2.00	Pass
			RB25#13	21.67	1.90	23.57	0.228	2.00	Pass
			RB25#25	21.66	1.90	23.56	0.227	2.00	Pass
			RB50#0	21.61	1.90	23.51	0.224	2.00	Pass
		16-QAM	RB1#0	21.84	1.90	23.74	0.237	2.00	Pass
			RB1#25	21.98	1.90	23.88	0.244	2.00	Pass
			RB1#49	22.09	1.90	23.99	0.251	2.00	Pass
			RB25#0	20.59	1.90	22.49	0.177	2.00	Pass
			RB25#13	20.68	1.90	22.58	0.181	2.00	Pass
			RB25#25	20.69	1.90	22.59	0.182	2.00	Pass
			RB50#0	20.65	1.90	22.55	0.180	2.00	Pass
	HCH	QPSK	RB1#0	22.80	1.90	24.70	0.295	2.00	Pass
			RB1#25	22.77	1.90	24.67	0.293	2.00	Pass
			RB1#49	22.79	1.90	24.69	0.294	2.00	Pass
			RB25#0	21.77	1.90	23.67	0.233	2.00	Pass
			RB25#13	21.82	1.90	23.72	0.236	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND38									
		16-QAM	RB25#25	21.77	1.90	23.67	0.233	2.00	Pass
			RB50#0	21.77	1.90	23.67	0.233	2.00	Pass
			RB1#0	22.13	1.90	24.03	0.253	2.00	Pass
			RB1#25	22.09	1.90	23.99	0.251	2.00	Pass
			RB1#49	22.13	1.90	24.03	0.253	2.00	Pass
			RB25#0	20.79	1.90	22.69	0.186	2.00	Pass
			RB25#13	20.85	1.90	22.75	0.188	2.00	Pass
			RB25#25	20.82	1.90	22.72	0.187	2.00	Pass
			RB50#0	20.82	1.90	22.72	0.187	2.00	Pass
15 MHz	LCH	QPSK	RB1#0	21.97	1.90	23.87	0.244	2.00	Pass
			RB1#38	21.99	1.90	23.89	0.245	2.00	Pass
			RB1#74	22.13	1.90	24.03	0.253	2.00	Pass
			RB36#0	20.93	1.90	22.83	0.192	2.00	Pass
			RB36#19	21.08	1.90	22.98	0.199	2.00	Pass
			RB36#39	21.14	1.90	23.04	0.201	2.00	Pass
			RB75#0	21.08	1.90	22.98	0.199	2.00	Pass
		16-QAM	RB1#0	21.22	1.90	23.12	0.205	2.00	Pass
			RB1#38	21.25	1.90	23.15	0.207	2.00	Pass
			RB1#74	21.37	1.90	23.27	0.212	2.00	Pass
			RB36#0	19.93	1.90	21.83	0.152	2.00	Pass
			RB36#19	20.06	1.90	21.96	0.157	2.00	Pass
			RB36#39	20.13	1.90	22.03	0.160	2.00	Pass
			RB75#0	20.04	1.90	21.94	0.156	2.00	Pass
	MCH	QPSK	RB1#0	22.48	1.90	24.38	0.274	2.00	Pass
			RB1#38	22.67	1.90	24.57	0.286	2.00	Pass
			RB1#74	22.77	1.90	24.67	0.293	2.00	Pass
			RB36#0	21.63	1.90	23.53	0.225	2.00	Pass
			RB36#19	21.72	1.90	23.62	0.230	2.00	Pass
			RB36#39	21.73	1.90	23.63	0.231	2.00	Pass
			RB75#0	21.70	1.90	23.60	0.229	2.00	Pass
		16-QAM	RB1#0	21.84	1.90	23.74	0.237	2.00	Pass
			RB1#38	21.99	1.90	23.89	0.245	2.00	Pass
			RB1#74	22.11	1.90	24.01	0.252	2.00	Pass
			RB36#0	20.61	1.90	22.51	0.178	2.00	Pass
			RB36#19	20.63	1.90	22.53	0.179	2.00	Pass
			RB36#39	20.68	1.90	22.58	0.181	2.00	Pass
			RB75#0	20.64	1.90	22.54	0.179	2.00	Pass
	HCH	QPSK	RB1#0	22.78	1.90	24.68	0.294	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND38									
			RB1#38	22.75	1.90	24.65	0.292	2.00	Pass
			RB1#74	22.77	1.90	24.67	0.293	2.00	Pass
			RB36#0	21.80	1.90	23.70	0.234	2.00	Pass
			RB36#19	21.81	1.90	23.71	0.235	2.00	Pass
			RB36#39	21.80	1.90	23.70	0.234	2.00	Pass
			RB75#0	21.81	1.90	23.71	0.235	2.00	Pass
		16-QAM	RB1#0	22.03	1.90	23.93	0.247	2.00	Pass
			RB1#38	22.04	1.90	23.94	0.248	2.00	Pass
			RB1#74	22.03	1.90	23.93	0.247	2.00	Pass
			RB36#0	20.78	1.90	22.68	0.185	2.00	Pass
			RB36#19	20.81	1.90	22.71	0.187	2.00	Pass
			RB36#39	20.78	1.90	22.68	0.185	2.00	Pass
			RB75#0	20.79	1.90	22.69	0.186	2.00	Pass
20 MHz	LCH	QPSK	RB1#0	21.95	1.90	23.85	0.243	2.00	Pass
			RB1#50	21.98	1.90	23.88	0.244	2.00	Pass
			RB1#99	22.34	1.90	24.24	0.265	2.00	Pass
			RB50#0	21.04	1.90	22.94	0.197	2.00	Pass
			RB50#25	21.01	1.90	22.91	0.195	2.00	Pass
			RB50#50	21.16	1.90	23.06	0.202	2.00	Pass
			RB100#0	21.14	1.90	23.04	0.201	2.00	Pass
		16-QAM	RB1#0	21.40	1.90	23.30	0.214	2.00	Pass
			RB1#50	21.41	1.90	23.31	0.214	2.00	Pass
			RB1#99	21.79	1.90	23.69	0.234	2.00	Pass
			RB50#0	20.01	1.90	21.91	0.155	2.00	Pass
			RB50#25	20.06	1.90	21.96	0.157	2.00	Pass
			RB50#50	20.16	1.90	22.06	0.161	2.00	Pass
			RB100#0	20.12	1.90	22.02	0.159	2.00	Pass
	MCH	QPSK	RB1#0	22.35	1.90	24.25	0.266	2.00	Pass
			RB1#50	22.61	1.90	24.51	0.282	2.00	Pass
			RB1#99	22.77	1.90	24.67	0.293	2.00	Pass
			RB50#0	21.57	1.90	23.47	0.222	2.00	Pass
			RB50#25	21.66	1.90	23.56	0.227	2.00	Pass
			RB50#50	21.72	1.90	23.62	0.230	2.00	Pass
			RB100#0	21.64	1.90	23.54	0.226	2.00	Pass
		16-QAM	RB1#0	21.67	1.90	23.57	0.228	2.00	Pass
			RB1#50	21.91	1.90	23.81	0.240	2.00	Pass
			RB1#99	22.08	1.90	23.98	0.250	2.00	Pass
			RB50#0	20.58	1.90	22.48	0.177	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND38									
			RB50#25	20.68	1.90	22.58	0.181	2.00	Pass
			RB50#50	20.74	1.90	22.64	0.184	2.00	Pass
			RB100#0	20.64	1.90	22.54	0.179	2.00	Pass
	HCH	QPSK	RB1#0	22.82	1.90	24.72	0.296	2.00	Pass
			RB1#50	22.67	1.90	24.57	0.286	2.00	Pass
			RB1#99	22.79	1.90	24.69	0.294	2.00	Pass
			RB50#0	21.81	1.90	23.71	0.235	2.00	Pass
			RB50#25	21.74	1.90	23.64	0.231	2.00	Pass
			RB50#50	21.74	1.90	23.64	0.231	2.00	Pass
			RB100#0	21.82	1.90	23.72	0.236	2.00	Pass
		16-QAM	RB1#0	22.11	1.90	24.01	0.252	2.00	Pass
			RB1#50	22.03	1.90	23.93	0.247	2.00	Pass
			RB1#99	22.11	1.90	24.01	0.252	2.00	Pass
			RB50#0	20.81	1.90	22.71	0.187	2.00	Pass
			RB50#25	20.76	1.90	22.66	0.185	2.00	Pass
			RB50#50	20.75	1.90	22.65	0.184	2.00	Pass
			RB100#0	20.83	1.90	22.73	0.187	2.00	Pass

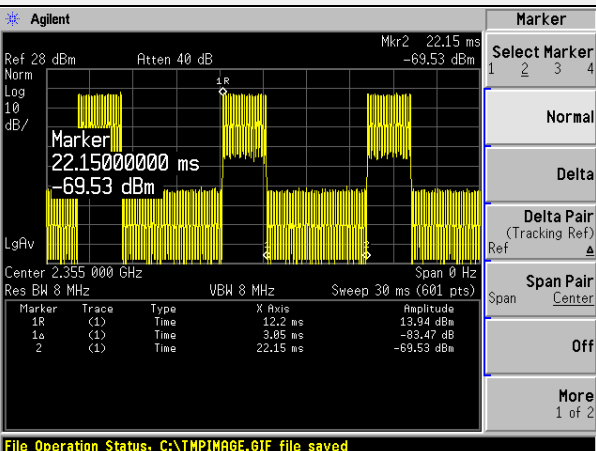
Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND40a									
5 MHz	LCH	QPSK	RB1#0	21.09	0.20	21.29	0.135	0.25	Pass
			RB1#13	21.44	0.20	21.64	0.146	0.25	Pass
			RB1#24	21.64	0.20	21.84	0.153	0.25	Pass
			RB12#0	20.11	0.20	20.31	0.107	0.25	Pass
			RB12#6	19.93	0.20	20.13	0.103	0.25	Pass
			RB12#13	20.31	0.20	20.51	0.112	0.25	Pass
			RB25#0	19.73	0.20	19.93	0.098	0.25	Pass
		16-QAM	RB1#0	21.08	0.20	21.28	0.134	0.25	Pass
			RB1#13	20.65	0.20	20.85	0.122	0.25	Pass
			RB1#24	20.44	0.20	20.64	0.116	0.25	Pass
			RB12#0	19.45	0.20	19.65	0.092	0.25	Pass
			RB12#6	19.68	0.20	19.88	0.097	0.25	Pass
			RB12#13	19.00	0.20	19.20	0.083	0.25	Pass
			RB25#0	18.87	0.20	19.07	0.081	0.25	Pass
	MCH	QPSK	RB1#0	21.14	0.20	21.34	0.136	0.25	Pass
			RB1#13	21.69	0.20	21.89	0.155	0.25	Pass
			RB1#24	21.73	0.20	21.93	0.156	0.25	Pass
			RB12#0	20.69	0.20	20.89	0.123	0.25	Pass
			RB12#6	20.22	0.20	20.42	0.110	0.25	Pass
			RB12#13	20.65	0.20	20.85	0.122	0.25	Pass
			RB25#0	20.19	0.20	20.39	0.109	0.25	Pass
		16-QAM	RB1#0	20.52	0.20	20.72	0.118	0.25	Pass
			RB1#13	21.36	0.20	21.56	0.143	0.25	Pass
			RB1#24	21.03	0.20	21.23	0.133	0.25	Pass
			RB12#0	19.12	0.20	19.32	0.086	0.25	Pass
			RB12#6	19.59	0.20	19.79	0.095	0.25	Pass
			RB12#13	19.81	0.20	20.01	0.100	0.25	Pass
			RB25#0	18.78	0.20	18.98	0.079	0.25	Pass
	HCH	QPSK	RB1#0	21.21	0.20	21.41	0.138	0.25	Pass
			RB1#13	21.55	0.20	21.75	0.150	0.25	Pass
			RB1#24	21.07	0.20	21.27	0.134	0.25	Pass
			RB12#0	20.29	0.20	20.49	0.112	0.25	Pass
			RB12#6	20.43	0.20	20.63	0.116	0.25	Pass
			RB12#13	20.78	0.20	20.98	0.125	0.25	Pass
			RB25#0	20.50	0.20	20.70	0.117	0.25	Pass
		16-QAM	RB1#0	21.03	0.20	21.23	0.133	0.25	Pass
			RB1#13	20.47	0.20	20.67	0.117	0.25	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND40a									
10 MHz	LCH		RB1#24	20.49	0.20	20.69	0.117	0.25	Pass
			RB12#0	19.13	0.20	19.33	0.086	0.25	Pass
			RB12#6	19.87	0.20	20.07	0.102	0.25	Pass
			RB12#13	19.42	0.20	19.62	0.092	0.25	Pass
			RB25#0	19.01	0.20	19.21	0.083	0.25	Pass
		QPSK	RB1#0	21.21	0.20	21.41	0.138	0.25	Pass
			RB1#25	21.89	0.20	22.09	0.162	0.25	Pass
			RB1#49	21.67	0.20	21.87	0.154	0.25	Pass
			RB25#0	20.45	0.20	20.65	0.116	0.25	Pass
			RB25#13	20.31	0.20	20.51	0.112	0.25	Pass
			RB25#25	20.41	0.20	20.61	0.115	0.25	Pass
			RB50#0	17.99	0.20	18.19	0.066	0.25	Pass
		16-QAM	RB1#0	20.83	0.20	21.03	0.127	0.25	Pass
			RB1#25	21.11	0.20	21.31	0.135	0.25	Pass
			RB1#49	20.94	0.20	21.14	0.130	0.25	Pass
			RB25#0	19.50	0.20	19.70	0.093	0.25	Pass
			RB25#13	18.83	0.20	19.03	0.080	0.25	Pass
			RB25#25	18.76	0.20	18.96	0.079	0.25	Pass
			RB50#0	17.67	0.20	17.87	0.061	0.25	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND40b									
5 MHz	LCH	QPSK	RB1#0	21.42	0.20	21.62	0.145	0.25	Pass
			RB1#13	21.49	0.20	21.69	0.148	0.25	Pass
			RB1#24	21.43	0.20	21.63	0.146	0.25	Pass
			RB12#0	19.32	0.20	19.52	0.090	0.25	Pass
			RB12#6	19.72	0.20	19.92	0.098	0.25	Pass
			RB12#13	20.40	0.20	20.60	0.115	0.25	Pass
			RB25#0	20.10	0.20	20.30	0.107	0.25	Pass
		16-QAM	RB1#0	19.71	0.20	19.91	0.098	0.25	Pass
			RB1#13	20.64	0.20	20.84	0.121	0.25	Pass
			RB1#24	19.77	0.20	19.97	0.099	0.25	Pass
			RB12#0	18.61	0.20	18.81	0.076	0.25	Pass
			RB12#6	19.29	0.20	19.49	0.089	0.25	Pass
			RB12#13	18.39	0.20	18.59	0.072	0.25	Pass
			RB25#0	19.17	0.20	19.37	0.086	0.25	Pass
	MCH	QPSK	RB1#0	21.46	0.20	21.66	0.147	0.25	Pass
			RB1#13	21.46	0.20	21.66	0.147	0.25	Pass
			RB1#24	21.47	0.20	21.67	0.147	0.25	Pass
			RB12#0	20.42	0.20	20.62	0.115	0.25	Pass
			RB12#6	19.55	0.20	19.75	0.094	0.25	Pass
			RB12#13	20.42	0.20	20.62	0.115	0.25	Pass
			RB25#0	20.19	0.20	20.39	0.109	0.25	Pass
		16-QAM	RB1#0	20.26	0.20	20.46	0.111	0.25	Pass
			RB1#13	19.93	0.20	20.13	0.103	0.25	Pass
			RB1#24	20.32	0.20	20.52	0.113	0.25	Pass
			RB12#0	19.32	0.20	19.52	0.090	0.25	Pass
			RB12#6	19.51	0.20	19.71	0.094	0.25	Pass
			RB12#13	18.94	0.20	19.14	0.082	0.25	Pass
			RB25#0	19.22	0.20	19.42	0.087	0.25	Pass
	HCH	QPSK	RB1#0	20.42	0.20	20.62	0.115	0.25	Pass
			RB1#13	21.56	0.20	21.76	0.150	0.25	Pass
			RB1#24	21.44	0.20	21.64	0.146	0.25	Pass
			RB12#0	20.42	0.20	20.62	0.115	0.25	Pass
			RB12#6	19.33	0.20	19.53	0.090	0.25	Pass
			RB12#13	20.46	0.20	20.66	0.116	0.25	Pass
			RB25#0	20.16	0.20	20.36	0.109	0.25	Pass
		16-QAM	RB1#0	20.78	0.20	20.98	0.125	0.25	Pass
			RB1#13	20.87	0.20	21.07	0.128	0.25	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND40b									
			RB1#24	20.76	0.20	20.96	0.125	0.25	Pass
			RB12#0	19.60	0.20	19.80	0.095	0.25	Pass
			RB12#6	19.59	0.20	19.79	0.095	0.25	Pass
			RB12#13	19.55	0.20	19.75	0.094	0.25	Pass
			RB25#0	18.98	0.20	19.18	0.083	0.25	Pass
	MCH	QPSK	RB1#0	20.77	0.20	20.97	0.125	0.25	Pass
			RB1#25	20.38	0.20	20.58	0.114	0.25	Pass
			RB1#49	20.56	0.20	20.76	0.119	0.25	Pass
			RB25#0	19.16	0.20	19.36	0.086	0.25	Pass
			RB25#13	20.16	0.20	20.36	0.109	0.25	Pass
			RB25#25	20.14	0.20	20.34	0.108	0.25	Pass
			RB50#0	18.37	0.20	18.57	0.072	0.25	Pass
		16-QAM	RB1#0	20.57	0.20	20.77	0.119	0.25	Pass
			RB1#25	19.70	0.20	19.90	0.098	0.25	Pass
			RB1#49	20.04	0.20	20.24	0.106	0.25	Pass
			RB25#0	18.26	0.20	18.46	0.070	0.25	Pass
			RB25#13	19.22	0.20	19.42	0.087	0.25	Pass
			RB25#25	18.42	0.20	18.62	0.073	0.25	Pass
			RB50#0	17.01	0.20	17.21	0.053	0.25	Pass

Note1: For mobile and portable stations using time division duplexing (TDD) technology and transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the duty cycle must be measurement and record in this table below:

Duty Cycle for LTE Band40	Measurement	Upper Limit	Verdict
	30.65%	38%	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
5 MHz	LCH	QPSK	RB1#0	21.34	2.40	23.74	0.237	2.00	Pass
			RB1#13	21.47	2.40	23.87	0.244	2.00	Pass
			RB1#24	21.48	2.40	23.88	0.244	2.00	Pass
			RB12#0	20.36	2.40	22.76	0.189	2.00	Pass
			RB12#6	20.45	2.40	22.85	0.193	2.00	Pass
			RB12#13	20.43	2.40	22.83	0.192	2.00	Pass
			RB25#0	20.41	2.40	22.81	0.191	2.00	Pass
		16-QAM	RB1#0	20.68	2.40	23.08	0.203	2.00	Pass
			RB1#13	20.82	2.40	23.22	0.210	2.00	Pass
			RB1#24	20.81	2.40	23.21	0.209	2.00	Pass
			RB12#0	19.49	2.40	21.89	0.155	2.00	Pass
			RB12#6	19.54	2.40	21.94	0.156	2.00	Pass
			RB12#13	19.55	2.40	21.95	0.157	2.00	Pass
			RB25#0	19.43	2.40	21.83	0.152	2.00	Pass
	MCH	QPSK	RB1#0	22.55	2.40	24.95	0.313	2.00	Pass
			RB1#13	22.66	2.40	25.06	0.321	2.00	Pass
			RB1#24	22.62	2.40	25.02	0.318	2.00	Pass
			RB12#0	21.54	2.40	23.94	0.248	2.00	Pass
			RB12#6	21.63	2.40	24.03	0.253	2.00	Pass
			RB12#13	21.61	2.40	24.01	0.252	2.00	Pass
			RB25#0	21.57	2.40	23.97	0.249	2.00	Pass
		16-QAM	RB1#0	21.80	2.40	24.20	0.263	2.00	Pass
			RB1#13	21.90	2.40	24.30	0.269	2.00	Pass
			RB1#24	21.87	2.40	24.27	0.267	2.00	Pass
			RB12#0	20.56	2.40	22.96	0.198	2.00	Pass
			RB12#6	20.63	2.40	23.03	0.201	2.00	Pass
			RB12#13	20.60	2.40	23.00	0.200	2.00	Pass
			RB25#0	20.58	2.40	22.98	0.199	2.00	Pass
	HCH	QPSK	RB1#0	23.00	2.40	25.40	0.347	2.00	Pass
			RB1#13	23.06	2.40	25.46	0.352	2.00	Pass
			RB1#24	22.96	2.40	25.36	0.344	2.00	Pass
			RB12#0	22.04	2.40	24.44	0.278	2.00	Pass
			RB12#6	22.08	2.40	24.48	0.281	2.00	Pass
			RB12#13	22.06	2.40	24.46	0.279	2.00	Pass
			RB25#0	21.99	2.40	24.39	0.275	2.00	Pass
		16-QAM	RB1#0	22.18	2.40	24.58	0.287	2.00	Pass
			RB1#13	22.25	2.40	24.65	0.292	2.00	Pass
			RB1#24	22.15	2.40	24.55	0.285	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
10 MHz			RB12#0	21.08	2.40	23.48	0.223	2.00	Pass
			RB12#6	21.06	2.40	23.46	0.222	2.00	Pass
			RB12#13	21.06	2.40	23.46	0.222	2.00	Pass
			RB25#0	20.98	2.40	23.38	0.218	2.00	Pass
	LCH	QPSK	RB1#0	21.22	2.40	23.62	0.230	2.00	Pass
			RB1#25	21.36	2.40	23.76	0.238	2.00	Pass
			RB1#49	21.47	2.40	23.87	0.244	2.00	Pass
			RB25#0	20.40	2.40	22.80	0.191	2.00	Pass
			RB25#13	20.42	2.40	22.82	0.191	2.00	Pass
			RB25#25	20.46	2.40	22.86	0.193	2.00	Pass
			RB50#0	20.40	2.40	22.80	0.191	2.00	Pass
		16-QAM	RB1#0	20.50	2.40	22.90	0.195	2.00	Pass
			RB1#25	20.61	2.40	23.01	0.200	2.00	Pass
			RB1#49	20.73	2.40	23.13	0.206	2.00	Pass
			RB25#0	19.37	2.40	21.77	0.150	2.00	Pass
			RB25#13	19.44	2.40	21.84	0.153	2.00	Pass
			RB25#25	19.46	2.40	21.86	0.153	2.00	Pass
			RB50#0	19.43	2.40	21.83	0.152	2.00	Pass
	MCH	QPSK	RB1#0	22.46	2.40	24.86	0.306	2.00	Pass
			RB1#25	22.49	2.40	24.89	0.308	2.00	Pass
			RB1#49	22.58	2.40	24.98	0.315	2.00	Pass
			RB25#0	21.47	2.40	23.87	0.244	2.00	Pass
			RB25#13	21.53	2.40	23.93	0.247	2.00	Pass
			RB25#25	21.56	2.40	23.96	0.249	2.00	Pass
			RB50#0	21.47	2.40	23.87	0.244	2.00	Pass
		16-QAM	RB1#0	21.80	2.40	24.20	0.263	2.00	Pass
			RB1#25	21.82	2.40	24.22	0.264	2.00	Pass
			RB1#49	21.92	2.40	24.32	0.270	2.00	Pass
			RB25#0	20.49	2.40	22.89	0.195	2.00	Pass
			RB25#13	20.57	2.40	22.97	0.198	2.00	Pass
			RB25#25	20.53	2.40	22.93	0.196	2.00	Pass
			RB50#0	20.53	2.40	22.93	0.196	2.00	Pass
	HCH	QPSK	RB1#0	23.59	2.40	25.99	0.397	2.00	Pass
			RB1#25	23.00	2.40	25.40	0.347	2.00	Pass
			RB1#49	23.54	2.40	25.94	0.393	2.00	Pass
			RB25#0	22.21	2.40	24.61	0.289	2.00	Pass
			RB25#13	22.09	2.40	24.49	0.281	2.00	Pass
			RB25#25	22.22	2.40	24.62	0.290	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
		16-QAM	RB50#0	22.24	2.40	24.64	0.291	2.00	Pass
			RB1#0	22.90	2.40	25.30	0.339	2.00	Pass
			RB1#25	22.37	2.40	24.77	0.300	2.00	Pass
			RB1#49	22.88	2.40	25.28	0.337	2.00	Pass
			RB25#0	21.24	2.40	23.64	0.231	2.00	Pass
			RB25#13	21.10	2.40	23.50	0.224	2.00	Pass
			RB25#25	21.20	2.40	23.60	0.229	2.00	Pass
			RB50#0	21.24	2.40	23.64	0.231	2.00	Pass
15 MHz	LCH	QPSK	RB1#0	21.28	2.40	23.68	0.233	2.00	Pass
			RB1#38	21.43	2.40	23.83	0.242	2.00	Pass
			RB1#74	21.53	2.40	23.93	0.247	2.00	Pass
			RB36#0	20.44	2.40	22.84	0.192	2.00	Pass
			RB36#19	20.50	2.40	22.90	0.195	2.00	Pass
			RB36#39	20.52	2.40	22.92	0.196	2.00	Pass
			RB75#0	20.52	2.40	22.92	0.196	2.00	Pass
		16-QAM	RB1#0	20.58	2.40	22.98	0.199	2.00	Pass
			RB1#38	20.66	2.40	23.06	0.202	2.00	Pass
			RB1#74	20.78	2.40	23.18	0.208	2.00	Pass
			RB36#0	19.39	2.40	21.79	0.151	2.00	Pass
			RB36#19	19.48	2.40	21.88	0.154	2.00	Pass
			RB36#39	19.53	2.40	21.93	0.156	2.00	Pass
			RB75#0	19.51	2.40	21.91	0.155	2.00	Pass
	MCH	QPSK	RB1#0	22.45	2.40	24.85	0.305	2.00	Pass
			RB1#38	22.48	2.40	24.88	0.308	2.00	Pass
			RB1#74	22.61	2.40	25.01	0.317	2.00	Pass
			RB36#0	21.47	2.40	23.87	0.244	2.00	Pass
			RB36#19	21.51	2.40	23.91	0.246	2.00	Pass
			RB36#39	21.60	2.40	24.00	0.251	2.00	Pass
			RB75#0	21.53	2.40	23.93	0.247	2.00	Pass
		16-QAM	RB1#0	21.73	2.40	24.13	0.259	2.00	Pass
			RB1#38	21.75	2.40	24.15	0.260	2.00	Pass
			RB1#74	21.86	2.40	24.26	0.267	2.00	Pass
			RB36#0	20.50	2.40	22.90	0.195	2.00	Pass
			RB36#19	20.54	2.40	22.94	0.197	2.00	Pass
			RB36#39	20.56	2.40	22.96	0.198	2.00	Pass
			RB75#0	20.56	2.40	22.96	0.198	2.00	Pass
	HCH	QPSK	RB1#0	23.01	2.40	25.41	0.348	2.00	Pass
			RB1#38	22.99	2.40	25.39	0.346	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
			RB1#74	22.98	2.40	25.38	0.345	2.00	Pass
			RB36#0	22.10	2.40	24.50	0.282	2.00	Pass
			RB36#19	22.15	2.40	24.55	0.285	2.00	Pass
			RB36#39	22.10	2.40	24.50	0.282	2.00	Pass
			RB75#0	22.11	2.40	24.51	0.282	2.00	Pass
		16-QAM	RB1#0	22.39	2.40	24.79	0.301	2.00	Pass
			RB1#38	22.33	2.40	24.73	0.297	2.00	Pass
			RB1#74	22.32	2.40	24.72	0.296	2.00	Pass
			RB36#0	21.06	2.40	23.46	0.222	2.00	Pass
			RB36#19	21.06	2.40	23.46	0.222	2.00	Pass
			RB36#39	21.02	2.40	23.42	0.220	2.00	Pass
			RB75#0	21.07	2.40	23.47	0.222	2.00	Pass
20 MHz	LCH	QPSK	RB1#0	21.35	2.40	23.75	0.237	2.00	Pass
			RB1#50	21.49	2.40	23.89	0.245	2.00	Pass
			RB1#99	21.65	2.40	24.05	0.254	2.00	Pass
			RB50#0	20.50	2.40	22.90	0.195	2.00	Pass
			RB50#25	20.56	2.40	22.96	0.198	2.00	Pass
			RB50#50	20.61	2.40	23.01	0.200	2.00	Pass
			RB100#0	20.55	2.40	22.95	0.197	2.00	Pass
		16-QAM	RB1#0	20.65	2.40	23.05	0.202	2.00	Pass
			RB1#50	20.77	2.40	23.17	0.207	2.00	Pass
			RB1#99	20.90	2.40	23.30	0.214	2.00	Pass
			RB50#0	19.48	2.40	21.88	0.154	2.00	Pass
			RB50#25	19.52	2.40	21.92	0.156	2.00	Pass
			RB50#50	19.58	2.40	21.98	0.158	2.00	Pass
			RB100#0	19.54	2.40	21.94	0.156	2.00	Pass
	MCH	QPSK	RB1#0	22.48	2.40	24.88	0.308	2.00	Pass
			RB1#50	22.57	2.40	24.97	0.314	2.00	Pass
			RB1#99	22.72	2.40	25.12	0.325	2.00	Pass
			RB50#0	21.49	2.40	23.89	0.245	2.00	Pass
			RB50#25	21.55	2.40	23.95	0.248	2.00	Pass
			RB50#50	21.60	2.40	24.00	0.251	2.00	Pass
			RB100#0	21.52	2.40	23.92	0.247	2.00	Pass
		16-QAM	RB1#0	21.82	2.40	24.22	0.264	2.00	Pass
			RB1#50	21.84	2.40	24.24	0.265	2.00	Pass
			RB1#99	22.06	2.40	24.46	0.279	2.00	Pass
			RB50#0	20.48	2.40	22.88	0.194	2.00	Pass
			RB50#25	20.54	2.40	22.94	0.197	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
	HCH		RB50#50	20.63	2.40	23.03	0.201	2.00	Pass
			RB100#0	20.53	2.40	22.93	0.196	2.00	Pass
		QPSK	RB1#0	24.53	2.40	26.93	0.493	2.00	Pass
			RB1#50	22.97	2.40	25.37	0.344	2.00	Pass
			RB1#99	24.55	2.40	26.95	0.495	2.00	Pass
			RB50#0	22.15	2.40	24.55	0.285	2.00	Pass
			RB50#25	22.07	2.40	24.47	0.280	2.00	Pass
			RB50#50	22.12	2.40	24.52	0.283	2.00	Pass
			RB100#0	22.12	2.40	24.52	0.283	2.00	Pass
		16-QAM	RB1#0	23.62	2.40	26.02	0.400	2.00	Pass
			RB1#50	22.08	2.40	24.48	0.281	2.00	Pass
			RB1#99	23.67	2.40	26.07	0.405	2.00	Pass
			RB50#0	21.16	2.40	23.56	0.227	2.00	Pass
			RB50#25	21.08	2.40	23.48	0.223	2.00	Pass
			RB50#50	21.13	2.40	23.53	0.225	2.00	Pass
			RB100#0	21.14	2.40	23.54	0.226	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND42(3450MHz-3550MHz)									
5 MHz	LCH	QPSK	RB1#0	25.13	1.5	26.63	0.460	1.00	Pass
			RB1#13	25.06	1.5	26.56	0.453	1.00	Pass
			RB1#24	25.00	1.5	26.50	0.447	1.00	Pass
			RB12#0	24.03	1.5	25.53	0.357	1.00	Pass
			RB12#6	24.03	1.5	25.53	0.357	1.00	Pass
			RB12#13	24.00	1.5	25.50	0.355	1.00	Pass
			RB25#0	24.02	1.5	25.52	0.356	1.00	Pass
		16-QAM	RB1#0	24.37	1.5	25.87	0.386	1.00	Pass
			RB1#13	24.26	1.5	25.76	0.377	1.00	Pass
			RB1#24	24.20	1.5	25.70	0.372	1.00	Pass
			RB12#0	23.09	1.5	24.59	0.288	1.00	Pass
			RB12#6	23.11	1.5	24.61	0.289	1.00	Pass
			RB12#13	23.10	1.5	24.60	0.288	1.00	Pass
			RB25#0	23.04	1.5	24.54	0.284	1.00	Pass
	MCH	QPSK	RB1#0	23.68	1.5	25.18	0.330	1.00	Pass
			RB1#13	23.65	1.5	25.15	0.327	1.00	Pass
			RB1#24	23.63	1.5	25.13	0.326	1.00	Pass
			RB12#0	22.64	1.5	24.14	0.259	1.00	Pass
			RB12#6	22.61	1.5	24.11	0.258	1.00	Pass
			RB12#13	22.63	1.5	24.13	0.259	1.00	Pass
			RB25#0	22.64	1.5	24.14	0.259	1.00	Pass
		16-QAM	RB1#0	22.92	1.5	24.42	0.277	1.00	Pass
			RB1#13	22.93	1.5	24.43	0.277	1.00	Pass
			RB1#24	22.90	1.5	24.40	0.275	1.00	Pass
			RB12#0	21.66	1.5	23.16	0.207	1.00	Pass
			RB12#6	21.62	1.5	23.12	0.205	1.00	Pass
			RB12#13	21.64	1.5	23.14	0.206	1.00	Pass
			RB25#0	21.69	1.5	23.19	0.208	1.00	Pass
	HCH	QPSK	RB1#0	23.74	1.5	25.24	0.334	1.00	Pass
			RB1#13	23.72	1.5	25.22	0.333	1.00	Pass
			RB1#24	23.70	1.5	25.20	0.331	1.00	Pass
			RB12#0	22.68	1.5	24.18	0.262	1.00	Pass
			RB12#6	22.68	1.5	24.18	0.262	1.00	Pass
			RB12#13	22.68	1.5	24.18	0.262	1.00	Pass
			RB25#0	22.69	1.5	24.19	0.262	1.00	Pass
		16-QAM	RB1#0	23.03	1.5	24.53	0.284	1.00	Pass
			RB1#13	23.07	1.5	24.57	0.286	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND42(3450MHz-3550MHz)									
10 MHz			RB1#24	23.02	1.5	24.52	0.283	1.00	Pass
			RB12#0	21.78	1.5	23.28	0.213	1.00	Pass
			RB12#6	21.78	1.5	23.28	0.213	1.00	Pass
			RB12#13	21.77	1.5	23.27	0.212	1.00	Pass
			RB25#0	21.69	1.5	23.19	0.208	1.00	Pass
	LCH	QPSK	RB1#0	25.13	1.5	26.63	0.460	1.00	Pass
			RB1#25	25.03	1.5	26.53	0.450	1.00	Pass
			RB1#49	24.98	1.5	26.48	0.445	1.00	Pass
			RB25#0	24.19	1.5	25.69	0.371	1.00	Pass
			RB25#13	24.05	1.5	25.55	0.359	1.00	Pass
			RB25#25	24.01	1.5	25.51	0.356	1.00	Pass
			RB50#0	24.04	1.5	25.54	0.358	1.00	Pass
		16-QAM	RB1#0	24.39	1.5	25.89	0.388	1.00	Pass
			RB1#25	24.30	1.5	25.80	0.380	1.00	Pass
			RB1#49	24.25	1.5	25.75	0.376	1.00	Pass
			RB25#0	23.18	1.5	24.68	0.294	1.00	Pass
			RB25#13	23.09	1.5	24.59	0.288	1.00	Pass
			RB25#25	23.02	1.5	24.52	0.283	1.00	Pass
			RB50#0	23.04	1.5	24.54	0.284	1.00	Pass
	MCH	QPSK	RB1#0	23.84	1.5	25.34	0.342	1.00	Pass
			RB1#25	23.59	1.5	25.09	0.323	1.00	Pass
			RB1#49	23.67	1.5	25.17	0.329	1.00	Pass
			RB25#0	22.69	1.5	24.19	0.262	1.00	Pass
			RB25#13	22.62	1.5	24.12	0.258	1.00	Pass
			RB25#25	22.66	1.5	24.16	0.261	1.00	Pass
			RB50#0	22.67	1.5	24.17	0.261	1.00	Pass
		16-QAM	RB1#0	23.24	1.5	24.74	0.298	1.00	Pass
			RB1#25	23.06	1.5	24.56	0.286	1.00	Pass
			RB1#49	23.08	1.5	24.58	0.287	1.00	Pass
			RB25#0	21.68	1.5	23.18	0.208	1.00	Pass
			RB25#13	21.67	1.5	23.17	0.207	1.00	Pass
			RB25#25	21.68	1.5	23.18	0.208	1.00	Pass
			RB50#0	21.71	1.5	23.21	0.209	1.00	Pass
	HCH	QPSK	RB1#0	23.73	1.5	25.23	0.333	1.00	Pass
			RB1#25	23.65	1.5	25.15	0.327	1.00	Pass
			RB1#49	23.68	1.5	25.18	0.330	1.00	Pass
			RB25#0	22.75	1.5	24.25	0.266	1.00	Pass
			RB25#13	22.71	1.5	24.21	0.264	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND42(3450MHz-3550MHz)									
			RB25#25	22.70	1.5	24.20	0.263	1.00	Pass
			RB50#0	22.71	1.5	24.21	0.264	1.00	Pass
		16-QAM	RB1#0	23.06	1.5	24.56	0.286	1.00	Pass
			RB1#25	23.01	1.5	24.51	0.282	1.00	Pass
			RB1#49	23.03	1.5	24.53	0.284	1.00	Pass
			RB25#0	21.72	1.5	23.22	0.210	1.00	Pass
			RB25#13	21.75	1.5	23.25	0.211	1.00	Pass
			RB25#25	21.70	1.5	23.20	0.209	1.00	Pass
			RB50#0	21.73	1.5	23.23	0.210	1.00	Pass
15 MHz	LCH	QPSK	RB1#0	25.19	1.5	26.69	0.467	1.00	Pass
			RB1#38	24.96	1.5	26.46	0.443	1.00	Pass
			RB1#74	24.82	1.5	26.32	0.429	1.00	Pass
			RB36#0	24.10	1.5	25.60	0.363	1.00	Pass
			RB36#19	24.06	1.5	25.56	0.360	1.00	Pass
			RB36#39	23.91	1.5	25.41	0.348	1.00	Pass
			RB75#0	24.05	1.5	25.55	0.359	1.00	Pass
		16-QAM	RB1#0	24.44	1.5	25.94	0.393	1.00	Pass
			RB1#38	24.23	1.5	25.73	0.374	1.00	Pass
			RB1#74	24.09	1.5	25.59	0.362	1.00	Pass
			RB36#0	23.10	1.5	24.60	0.288	1.00	Pass
			RB36#19	23.04	1.5	24.54	0.284	1.00	Pass
			RB36#39	22.89	1.5	24.39	0.275	1.00	Pass
			RB75#0	23.05	1.5	24.55	0.285	1.00	Pass
	MCH	QPSK	RB1#0	23.87	1.5	25.37	0.344	1.00	Pass
			RB1#38	23.60	1.5	25.10	0.324	1.00	Pass
			RB1#74	23.66	1.5	25.16	0.328	1.00	Pass
			RB36#0	22.69	1.5	24.19	0.262	1.00	Pass
			RB36#19	22.66	1.5	24.16	0.261	1.00	Pass
			RB36#39	22.63	1.5	24.13	0.259	1.00	Pass
			RB75#0	22.63	1.5	24.13	0.259	1.00	Pass
		16-QAM	RB1#0	23.29	1.5	24.79	0.301	1.00	Pass
			RB1#38	23.05	1.5	24.55	0.285	1.00	Pass
			RB1#74	23.07	1.5	24.57	0.286	1.00	Pass
			RB36#0	21.69	1.5	23.19	0.208	1.00	Pass
			RB36#19	21.64	1.5	23.14	0.206	1.00	Pass
			RB36#39	21.62	1.5	23.12	0.205	1.00	Pass
			RB75#0	21.66	1.5	23.16	0.207	1.00	Pass
	HCH	QPSK	RB1#0	23.72	1.5	25.22	0.333	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND42(3450MHz-3550MHz)									
			RB1#38	23.70	1.5	25.20	0.331	1.00	Pass
			RB1#74	23.72	1.5	25.22	0.333	1.00	Pass
			RB36#0	22.73	1.5	24.23	0.265	1.00	Pass
			RB36#19	22.72	1.5	24.22	0.264	1.00	Pass
			RB36#39	22.74	1.5	24.24	0.265	1.00	Pass
			RB75#0	22.73	1.5	24.23	0.265	1.00	Pass
		16-QAM	RB1#0	22.99	1.5	24.49	0.281	1.00	Pass
			RB1#38	22.96	1.5	24.46	0.279	1.00	Pass
			RB1#74	23.01	1.5	24.51	0.282	1.00	Pass
			RB36#0	21.73	1.5	23.23	0.210	1.00	Pass
			RB36#19	21.75	1.5	23.25	0.211	1.00	Pass
			RB36#39	21.76	1.5	23.26	0.212	1.00	Pass
			RB75#0	21.72	1.5	23.22	0.210	1.00	Pass
20 MHz	LCH	QPSK	RB1#0	25.20	1.5	26.70	0.468	1.00	Pass
			RB1#50	24.96	1.5	26.46	0.443	1.00	Pass
			RB1#99	24.77	1.5	26.27	0.424	1.00	Pass
			RB50#0	24.13	1.5	25.63	0.366	1.00	Pass
			RB50#25	23.97	1.5	25.47	0.352	1.00	Pass
			RB50#50	23.86	1.5	25.36	0.344	1.00	Pass
			RB100#0	23.94	1.5	25.44	0.350	1.00	Pass
		16-QAM	RB1#0	24.47	1.5	25.97	0.395	1.00	Pass
			RB1#50	24.24	1.5	25.74	0.375	1.00	Pass
			RB1#99	24.06	1.5	25.56	0.360	1.00	Pass
			RB50#0	23.10	1.5	24.60	0.288	1.00	Pass
			RB50#25	22.94	1.5	24.44	0.278	1.00	Pass
			RB50#50	22.90	1.5	24.40	0.275	1.00	Pass
			RB100#0	22.92	1.5	24.42	0.277	1.00	Pass
	MCH	QPSK	RB1#0	23.91	1.5	25.41	0.348	1.00	Pass
			RB1#50	23.56	1.5	25.06	0.321	1.00	Pass
			RB1#99	23.62	1.5	25.12	0.325	1.00	Pass
			RB50#0	22.71	1.5	24.21	0.264	1.00	Pass
			RB50#25	22.69	1.5	24.19	0.262	1.00	Pass
			RB50#50	22.67	1.5	24.17	0.261	1.00	Pass
			RB100#0	22.69	1.5	24.19	0.262	1.00	Pass
		16-QAM	RB1#0	23.10	1.5	24.60	0.288	1.00	Pass
			RB1#50	22.75	1.5	24.25	0.266	1.00	Pass
			RB1#99	22.84	1.5	24.34	0.272	1.00	Pass
			RB50#0	21.80	1.5	23.30	0.214	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND42(3450MHz-3550MHz)									
			RB50#25	21.71	1.5	23.21	0.209	1.00	Pass
			RB50#50	21.70	1.5	23.20	0.209	1.00	Pass
			RB100#0	21.70	1.5	23.20	0.209	1.00	Pass
	HCH	QPSK	RB1#0	23.66	1.5	25.16	0.328	1.00	Pass
			RB1#50	23.76	1.5	25.26	0.336	1.00	Pass
			RB1#99	23.78	1.5	25.28	0.337	1.00	Pass
			RB50#0	22.64	1.5	24.14	0.259	1.00	Pass
			RB50#25	22.64	1.5	24.14	0.259	1.00	Pass
			RB50#50	22.77	1.5	24.27	0.267	1.00	Pass
			RB100#0	22.62	1.5	24.12	0.258	1.00	Pass
		16-QAM	RB1#0	22.98	1.5	24.48	0.281	1.00	Pass
			RB1#50	23.09	1.5	24.59	0.288	1.00	Pass
			RB1#99	23.09	1.5	24.59	0.288	1.00	Pass
			RB50#0	21.68	1.5	23.18	0.208	1.00	Pass
			RB50#25	21.69	1.5	23.19	0.208	1.00	Pass
			RB50#50	21.78	1.5	23.28	0.213	1.00	Pass
			RB100#0	21.63	1.5	23.13	0.206	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND43(3700MHz-3800MHz)									
5 MHz	LCH	QPSK	RB1#0	23.60	1.2	24.80	0.302	1.00	Pass
			RB1#13	23.58	1.2	24.78	0.301	1.00	Pass
			RB1#24	23.64	1.2	24.84	0.305	1.00	Pass
			RB12#0	22.56	1.2	23.76	0.238	1.00	Pass
			RB12#6	22.54	1.2	23.74	0.237	1.00	Pass
			RB12#13	22.54	1.2	23.74	0.237	1.00	Pass
			RB25#0	22.55	1.2	23.75	0.237	1.00	Pass
		16-QAM	RB1#0	22.77	1.2	23.97	0.249	1.00	Pass
			RB1#13	22.77	1.2	23.97	0.249	1.00	Pass
			RB1#24	22.80	1.2	24.00	0.251	1.00	Pass
			RB12#0	21.57	1.2	22.77	0.189	1.00	Pass
			RB12#6	21.59	1.2	22.79	0.190	1.00	Pass
			RB12#13	21.59	1.2	22.79	0.190	1.00	Pass
			RB25#0	21.54	1.2	22.74	0.188	1.00	Pass
	MCH	QPSK	RB1#0	24.54	1.2	25.74	0.375	1.00	Pass
			RB1#13	24.47	1.2	25.67	0.369	1.00	Pass
			RB1#24	24.41	1.2	25.61	0.364	1.00	Pass
			RB12#0	23.47	1.2	24.67	0.293	1.00	Pass
			RB12#6	23.48	1.2	24.68	0.294	1.00	Pass
			RB12#13	23.45	1.2	24.65	0.292	1.00	Pass
			RB25#0	23.43	1.2	24.63	0.290	1.00	Pass
		16-QAM	RB1#0	23.73	1.2	24.93	0.311	1.00	Pass
			RB1#13	23.69	1.2	24.89	0.308	1.00	Pass
			RB1#24	23.61	1.2	24.81	0.303	1.00	Pass
			RB12#0	22.47	1.2	23.67	0.233	1.00	Pass
			RB12#6	22.44	1.2	23.64	0.231	1.00	Pass
			RB12#13	22.41	1.2	23.61	0.230	1.00	Pass
			RB25#0	22.48	1.2	23.68	0.233	1.00	Pass
	HCH	QPSK	RB1#0	24.50	1.2	25.70	0.372	1.00	Pass
			RB1#13	24.47	1.2	25.67	0.369	1.00	Pass
			RB1#24	24.34	1.2	25.54	0.358	1.00	Pass
			RB12#0	23.47	1.2	24.67	0.293	1.00	Pass
			RB12#6	23.43	1.2	24.63	0.290	1.00	Pass
			RB12#13	23.41	1.2	24.61	0.289	1.00	Pass
			RB25#0	23.39	1.2	24.59	0.288	1.00	Pass
		16-QAM	RB1#0	23.83	1.2	25.03	0.318	1.00	Pass
			RB1#13	23.76	1.2	24.96	0.313	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND43(3700MHz-3800MHz)									
10 MHz			RB1#24	23.65	1.2	24.85	0.305	1.00	Pass
			RB12#0	22.55	1.2	23.75	0.237	1.00	Pass
			RB12#6	22.55	1.2	23.75	0.237	1.00	Pass
			RB12#13	22.51	1.2	23.71	0.235	1.00	Pass
			RB25#0	22.43	1.2	23.63	0.231	1.00	Pass
	LCH	QPSK	RB1#0	23.61	1.2	24.81	0.303	1.00	Pass
			RB1#25	23.59	1.2	24.79	0.301	1.00	Pass
			RB1#49	23.66	1.2	24.86	0.306	1.00	Pass
			RB25#0	22.58	1.2	23.78	0.239	1.00	Pass
			RB25#13	22.59	1.2	23.79	0.239	1.00	Pass
			RB25#25	22.67	1.2	23.87	0.244	1.00	Pass
			RB50#0	22.60	1.2	23.80	0.240	1.00	Pass
		16-QAM	RB1#0	22.86	1.2	24.06	0.255	1.00	Pass
			RB1#25	22.82	1.2	24.02	0.252	1.00	Pass
			RB1#49	22.93	1.2	24.13	0.259	1.00	Pass
			RB25#0	21.63	1.2	22.83	0.192	1.00	Pass
			RB25#13	21.58	1.2	22.78	0.190	1.00	Pass
			RB25#25	21.67	1.2	22.87	0.194	1.00	Pass
			RB50#0	21.59	1.2	22.79	0.190	1.00	Pass
	MCH	QPSK	RB1#0	24.53	1.2	25.73	0.374	1.00	Pass
			RB1#25	24.40	1.2	25.60	0.363	1.00	Pass
			RB1#49	24.36	1.2	25.56	0.360	1.00	Pass
			RB25#0	23.44	1.2	24.64	0.291	1.00	Pass
			RB25#13	23.50	1.2	24.70	0.295	1.00	Pass
			RB25#25	23.40	1.2	24.60	0.288	1.00	Pass
			RB50#0	23.38	1.2	24.58	0.287	1.00	Pass
		16-QAM	RB1#0	23.85	1.2	25.05	0.320	1.00	Pass
			RB1#25	23.76	1.2	24.96	0.313	1.00	Pass
			RB1#49	23.72	1.2	24.92	0.310	1.00	Pass
			RB25#0	22.45	1.2	23.65	0.232	1.00	Pass
			RB25#13	22.46	1.2	23.66	0.232	1.00	Pass
			RB25#25	22.41	1.2	23.61	0.230	1.00	Pass
			RB50#0	22.41	1.2	23.61	0.230	1.00	Pass
	HCH	QPSK	RB1#0	24.53	1.2	25.73	0.374	1.00	Pass
			RB1#25	24.44	1.2	25.64	0.366	1.00	Pass
			RB1#49	24.32	1.2	25.52	0.356	1.00	Pass
			RB25#0	23.44	1.2	24.64	0.291	1.00	Pass
			RB25#13	23.50	1.2	24.70	0.295	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND43(3700MHz-3800MHz)									
		16-QAM	RB25#25	23.37	1.2	24.57	0.286	1.00	Pass
			RB50#0	23.35	1.2	24.55	0.285	1.00	Pass
			RB1#0	23.84	1.2	25.04	0.319	1.00	Pass
			RB1#25	23.70	1.2	24.90	0.309	1.00	Pass
			RB1#49	23.64	1.2	24.84	0.305	1.00	Pass
			RB25#0	22.46	1.2	23.66	0.232	1.00	Pass
			RB25#13	22.52	1.2	23.72	0.236	1.00	Pass
			RB25#25	22.43	1.2	23.63	0.231	1.00	Pass
			RB50#0	22.42	1.2	23.62	0.230	1.00	Pass
15 MHz	LCH	QPSK	RB1#0	23.67	1.2	24.87	0.307	1.00	Pass
			RB1#38	23.65	1.2	24.85	0.305	1.00	Pass
			RB1#74	23.79	1.2	24.99	0.316	1.00	Pass
			RB36#0	22.65	1.2	23.85	0.243	1.00	Pass
			RB36#19	22.74	1.2	23.94	0.248	1.00	Pass
			RB36#39	22.71	1.2	23.91	0.246	1.00	Pass
			RB75#0	22.73	1.2	23.93	0.247	1.00	Pass
		16-QAM	RB1#0	22.90	1.2	24.10	0.257	1.00	Pass
			RB1#38	22.88	1.2	24.08	0.256	1.00	Pass
			RB1#74	23.02	1.2	24.22	0.264	1.00	Pass
			RB36#0	21.63	1.2	22.83	0.192	1.00	Pass
			RB36#19	21.70	1.2	22.90	0.195	1.00	Pass
			RB36#39	21.71	1.2	22.91	0.195	1.00	Pass
			RB75#0	21.74	1.2	22.94	0.197	1.00	Pass
	MCH	QPSK	RB1#0	24.59	1.2	25.79	0.379	1.00	Pass
			RB1#38	24.43	1.2	25.63	0.366	1.00	Pass
			RB1#74	24.47	1.2	25.67	0.369	1.00	Pass
			RB36#0	23.50	1.2	24.70	0.295	1.00	Pass
			RB36#19	23.38	1.2	24.58	0.287	1.00	Pass
			RB36#39	23.40	1.2	24.60	0.288	1.00	Pass
			RB75#0	23.40	1.2	24.60	0.288	1.00	Pass
		16-QAM	RB1#0	23.91	1.2	25.11	0.324	1.00	Pass
			RB1#38	23.77	1.2	24.97	0.314	1.00	Pass
			RB1#74	23.80	1.2	25.00	0.316	1.00	Pass
			RB36#0	22.47	1.2	23.67	0.233	1.00	Pass
			RB36#19	22.37	1.2	23.57	0.228	1.00	Pass
			RB36#39	22.38	1.2	23.58	0.228	1.00	Pass
			RB75#0	22.39	1.2	23.59	0.229	1.00	Pass
	HCH	QPSK	RB1#0	24.63	1.2	25.83	0.383	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND43(3700MHz-3800MHz)									
			RB1#38	24.48	1.2	25.68	0.370	1.00	Pass
			RB1#74	24.30	1.2	25.50	0.355	1.00	Pass
			RB36#0	23.51	1.2	24.71	0.296	1.00	Pass
			RB36#19	23.39	1.2	24.59	0.288	1.00	Pass
			RB36#39	23.39	1.2	24.59	0.288	1.00	Pass
			RB75#0	23.45	1.2	24.65	0.292	1.00	Pass
		16-QAM	RB1#0	23.84	1.2	25.04	0.319	1.00	Pass
			RB1#38	23.70	1.2	24.90	0.309	1.00	Pass
			RB1#74	23.52	1.2	24.72	0.296	1.00	Pass
			RB36#0	22.55	1.2	23.75	0.237	1.00	Pass
			RB36#19	22.43	1.2	23.63	0.231	1.00	Pass
			RB36#39	22.43	1.2	23.63	0.231	1.00	Pass
			RB75#0	22.42	1.2	23.62	0.230	1.00	Pass
20 MHz	LCH	QPSK	RB1#0	23.68	1.2	24.88	0.308	1.00	Pass
			RB1#50	23.65	1.2	24.85	0.305	1.00	Pass
			RB1#99	23.84	1.2	25.04	0.319	1.00	Pass
			RB50#0	22.61	1.2	23.81	0.240	1.00	Pass
			RB50#25	22.69	1.2	23.89	0.245	1.00	Pass
			RB50#50	22.69	1.2	23.89	0.245	1.00	Pass
			RB100#0	22.69	1.2	23.89	0.245	1.00	Pass
		16-QAM	RB1#0	22.91	1.2	24.11	0.258	1.00	Pass
			RB1#50	22.88	1.2	24.08	0.256	1.00	Pass
			RB1#99	23.09	1.2	24.29	0.269	1.00	Pass
			RB50#0	21.62	1.2	22.82	0.191	1.00	Pass
			RB50#25	21.67	1.2	22.87	0.194	1.00	Pass
			RB50#50	21.68	1.2	22.88	0.194	1.00	Pass
			RB100#0	21.68	1.2	22.88	0.194	1.00	Pass
	MCH	QPSK	RB1#0	24.56	1.2	25.76	0.377	1.00	Pass
			RB1#50	24.36	1.2	25.56	0.360	1.00	Pass
			RB1#99	24.35	1.2	25.55	0.359	1.00	Pass
			RB50#0	23.47	1.2	24.67	0.293	1.00	Pass
			RB50#25	23.37	1.2	24.57	0.286	1.00	Pass
			RB50#50	23.36	1.2	24.56	0.286	1.00	Pass
			RB100#0	23.38	1.2	24.58	0.287	1.00	Pass
		16-QAM	RB1#0	23.71	1.2	24.91	0.310	1.00	Pass
			RB1#50	23.52	1.2	24.72	0.296	1.00	Pass
			RB1#99	23.51	1.2	24.71	0.296	1.00	Pass
			RB50#0	22.46	1.2	23.66	0.232	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND43(3700MHz-3800MHz)									
			RB50#25	22.41	1.2	23.61	0.230	1.00	Pass
			RB50#50	22.37	1.2	23.57	0.228	1.00	Pass
			RB100#0	22.40	1.2	23.60	0.229	1.00	Pass
	HCH	QPSK	RB1#0	24.63	1.2	25.83	0.383	1.00	Pass
			RB1#50	24.39	1.2	25.59	0.362	1.00	Pass
			RB1#99	24.30	1.2	25.50	0.355	1.00	Pass
			RB50#0	23.48	1.2	24.68	0.294	1.00	Pass
			RB50#25	23.45	1.2	24.65	0.292	1.00	Pass
			RB50#50	23.32	1.2	24.52	0.283	1.00	Pass
			RB100#0	23.44	1.2	24.64	0.291	1.00	Pass
		16-QAM	RB1#0	23.90	1.2	25.10	0.324	1.00	Pass
			RB1#50	23.69	1.2	24.89	0.308	1.00	Pass
			RB1#99	23.57	1.2	24.77	0.300	1.00	Pass
			RB50#0	22.48	1.2	23.68	0.233	1.00	Pass
			RB50#25	22.46	1.2	23.66	0.232	1.00	Pass
			RB50#50	22.34	1.2	23.54	0.226	1.00	Pass
			RB100#0	22.42	1.2	23.62	0.230	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND48									
5 MHz	LCH	QPSK	RB1#0	22.67	0.2	22.87	0.194	0.20	Pass
			RB1#13	22.45	0.2	22.65	0.184	0.20	Pass
			RB1#24	22.44	0.2	22.64	0.184	0.20	Pass
			RB12#0	21.73	0.2	21.93	0.156	0.20	Pass
			RB12#6	21.40	0.2	21.60	0.145	0.20	Pass
			RB12#13	21.40	0.2	21.60	0.145	0.20	Pass
			RB25#0	21.68	0.2	21.88	0.154	0.20	Pass
		16-QAM	RB1#0	21.94	0.2	22.14	0.164	0.20	Pass
			RB1#13	22.03	0.2	22.23	0.167	0.20	Pass
			RB1#24	21.51	0.2	21.71	0.148	0.20	Pass
			RB12#0	20.71	0.2	20.91	0.123	0.20	Pass
			RB12#6	20.35	0.2	20.55	0.114	0.20	Pass
			RB12#13	20.43	0.2	20.63	0.116	0.20	Pass
			RB25#0	20.77	0.2	20.97	0.125	0.20	Pass
	MCH	QPSK	RB1#0	21.52	0.2	21.72	0.149	0.20	Pass
			RB1#13	21.86	0.2	22.06	0.161	0.20	Pass
			RB1#24	21.54	0.2	21.74	0.149	0.20	Pass
			RB12#0	20.86	0.2	21.06	0.128	0.20	Pass
			RB12#6	20.75	0.2	20.95	0.124	0.20	Pass
			RB12#13	20.52	0.2	20.72	0.118	0.20	Pass
			RB25#0	20.81	0.2	21.01	0.126	0.20	Pass
		16-QAM	RB1#0	21.09	0.2	21.29	0.135	0.20	Pass
			RB1#13	21.05	0.2	21.25	0.133	0.20	Pass
			RB1#24	21.07	0.2	21.27	0.134	0.20	Pass
			RB12#0	19.46	0.2	19.66	0.092	0.20	Pass
			RB12#6	19.57	0.2	19.77	0.095	0.20	Pass
			RB12#13	19.79	0.2	19.99	0.100	0.20	Pass
			RB25#0	19.86	0.2	20.06	0.101	0.20	Pass
	HCH	QPSK	RB1#0	22.65	0.2	22.85	0.193	0.20	Pass
			RB1#13	22.37	0.2	22.57	0.181	0.20	Pass
			RB1#24	22.64	0.2	22.84	0.192	0.20	Pass
			RB12#0	21.34	0.2	21.54	0.143	0.20	Pass
			RB12#6	21.16	0.2	21.36	0.137	0.20	Pass
			RB12#13	21.48	0.2	21.68	0.147	0.20	Pass
			RB25#0	21.53	0.2	21.73	0.149	0.20	Pass
		16-QAM	RB1#0	21.75	0.2	21.95	0.157	0.20	Pass
			RB1#13	21.97	0.2	22.17	0.165	0.20	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND48									
10 MHz			RB1#24	21.59	0.2	21.79	0.151	0.20	Pass
			RB12#0	20.48	0.2	20.68	0.117	0.20	Pass
			RB12#6	20.64	0.2	20.84	0.121	0.20	Pass
			RB12#13	20.44	0.2	20.64	0.116	0.20	Pass
			RB25#0	20.13	0.2	20.33	0.108	0.20	Pass
	LCH	QPSK	RB1#0	22.51	0.2	22.71	0.187	0.20	Pass
			RB1#25	22.51	0.2	22.71	0.187	0.20	Pass
			RB1#49	22.36	0.2	22.56	0.180	0.20	Pass
			RB25#0	21.66	0.2	21.86	0.153	0.20	Pass
			RB25#13	21.71	0.2	21.91	0.155	0.20	Pass
			RB25#25	21.74	0.2	21.94	0.156	0.20	Pass
			RB50#0	21.48	0.2	21.68	0.147	0.20	Pass
		16-QAM	RB1#0	21.54	0.2	21.74	0.149	0.20	Pass
			RB1#25	21.76	0.2	21.96	0.157	0.20	Pass
			RB1#49	22.02	0.2	22.22	0.167	0.20	Pass
			RB25#0	20.59	0.2	20.79	0.120	0.20	Pass
			RB25#13	20.68	0.2	20.88	0.122	0.20	Pass
			RB25#25	20.68	0.2	20.88	0.122	0.20	Pass
			RB50#0	20.65	0.2	20.85	0.122	0.20	Pass
	MCH	QPSK	RB1#0	21.74	0.2	21.94	0.156	0.20	Pass
			RB1#25	21.65	0.2	21.85	0.153	0.20	Pass
			RB1#49	21.70	0.2	21.90	0.155	0.20	Pass
			RB25#0	20.79	0.2	20.99	0.126	0.20	Pass
			RB25#13	20.82	0.2	21.02	0.126	0.20	Pass
			RB25#25	20.61	0.2	20.81	0.121	0.20	Pass
			RB50#0	20.88	0.2	21.08	0.128	0.20	Pass
		16-QAM	RB1#0	20.81	0.2	21.01	0.126	0.20	Pass
			RB1#25	21.10	0.2	21.30	0.135	0.20	Pass
			RB1#49	21.33	0.2	21.53	0.142	0.20	Pass
			RB25#0	19.49	0.2	19.69	0.093	0.20	Pass
			RB25#13	19.73	0.2	19.93	0.098	0.20	Pass
			RB25#25	19.53	0.2	19.73	0.094	0.20	Pass
			RB50#0	19.77	0.2	19.97	0.099	0.20	Pass
	HCH	QPSK	RB1#0	22.54	0.2	22.74	0.188	0.20	Pass
			RB1#25	22.31	0.2	22.51	0.178	0.20	Pass
			RB1#49	22.15	0.2	22.35	0.172	0.20	Pass
			RB25#0	21.63	0.2	21.83	0.152	0.20	Pass
			RB25#13	21.64	0.2	21.84	0.153	0.20	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND48									
		16-QAM	RB25#25	21.21	0.2	21.41	0.138	0.20	Pass
			RB50#0	21.27	0.2	21.47	0.140	0.20	Pass
			RB1#0	21.64	0.2	21.84	0.153	0.20	Pass
			RB1#25	21.64	0.2	21.84	0.153	0.20	Pass
			RB1#49	21.48	0.2	21.68	0.147	0.20	Pass
			RB25#0	20.33	0.2	20.53	0.113	0.20	Pass
			RB25#13	20.60	0.2	20.80	0.120	0.20	Pass
			RB25#25	20.14	0.2	20.34	0.108	0.20	Pass
			RB50#0	20.30	0.2	20.50	0.112	0.20	Pass
15 MHz	LCH	QPSK	RB1#0	22.41	0.2	22.61	0.182	0.20	Pass
			RB1#38	22.58	0.2	22.78	0.190	0.20	Pass
			RB1#74	22.39	0.2	22.59	0.182	0.20	Pass
			RB36#0	21.64	0.2	21.84	0.153	0.20	Pass
			RB36#19	21.66	0.2	21.86	0.153	0.20	Pass
			RB36#39	21.57	0.2	21.77	0.150	0.20	Pass
			RB75#0	21.47	0.2	21.67	0.147	0.20	Pass
		16-QAM	RB1#0	21.65	0.2	21.85	0.153	0.20	Pass
			RB1#38	21.62	0.2	21.82	0.152	0.20	Pass
			RB1#74	21.96	0.2	22.16	0.164	0.20	Pass
			RB36#0	20.77	0.2	20.97	0.125	0.20	Pass
			RB36#19	20.59	0.2	20.79	0.120	0.20	Pass
			RB36#39	20.37	0.2	20.57	0.114	0.20	Pass
			RB75#0	20.52	0.2	20.72	0.118	0.20	Pass
	MCH	QPSK	RB1#0	21.63	0.2	21.83	0.152	0.20	Pass
			RB1#38	21.50	0.2	21.70	0.148	0.20	Pass
			RB1#74	21.64	0.2	21.84	0.153	0.20	Pass
			RB36#0	20.45	0.2	20.65	0.116	0.20	Pass
			RB36#19	20.56	0.2	20.76	0.119	0.20	Pass
			RB36#39	20.64	0.2	20.84	0.121	0.20	Pass
			RB75#0	20.97	0.2	21.17	0.131	0.20	Pass
		16-QAM	RB1#0	21.11	0.2	21.31	0.135	0.20	Pass
			RB1#38	20.90	0.2	21.10	0.129	0.20	Pass
			RB1#74	21.07	0.2	21.27	0.134	0.20	Pass
			RB36#0	19.46	0.2	19.66	0.092	0.20	Pass
			RB36#19	19.64	0.2	19.84	0.096	0.20	Pass
			RB36#39	19.76	0.2	19.96	0.099	0.20	Pass
			RB75#0	19.44	0.2	19.64	0.092	0.20	Pass
	HCH	QPSK	RB1#0	22.74	0.2	22.94	0.197	0.20	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND48									
			RB1#38	22.65	0.2	22.85	0.193	0.20	Pass
			RB1#74	22.60	0.2	22.80	0.191	0.20	Pass
			RB36#0	21.60	0.2	21.80	0.151	0.20	Pass
			RB36#19	21.46	0.2	21.66	0.147	0.20	Pass
			RB36#39	21.16	0.2	21.36	0.137	0.20	Pass
			RB75#0	21.21	0.2	21.41	0.138	0.20	Pass
		16-QAM	RB1#0	21.66	0.2	21.86	0.153	0.20	Pass
			RB1#38	21.60	0.2	21.80	0.151	0.20	Pass
			RB1#74	21.66	0.2	21.86	0.153	0.20	Pass
			RB36#0	20.41	0.2	20.61	0.115	0.20	Pass
			RB36#19	20.29	0.2	20.49	0.112	0.20	Pass
			RB36#39	20.21	0.2	20.41	0.110	0.20	Pass
			RB75#0	20.67	0.2	20.87	0.122	0.20	Pass
20 MHz	LCH	QPSK	RB1#0	22.54	0.2	22.74	0.188	0.20	Pass
			RB1#50	22.55	0.2	22.75	0.188	0.20	Pass
			RB1#99	22.70	0.2	22.90	0.195	0.20	Pass
			RB50#0	21.38	0.2	21.58	0.144	0.20	Pass
			RB50#25	21.35	0.2	21.55	0.143	0.20	Pass
			RB50#50	21.39	0.2	21.59	0.144	0.20	Pass
			RB100#0	21.41	0.2	21.61	0.145	0.20	Pass
		16-QAM	RB1#0	21.76	0.2	21.96	0.157	0.20	Pass
			RB1#50	21.76	0.2	21.96	0.157	0.20	Pass
			RB1#99	21.70	0.2	21.90	0.155	0.20	Pass
			RB50#0	20.70	0.2	20.90	0.123	0.20	Pass
			RB50#25	20.64	0.2	20.84	0.121	0.20	Pass
			RB50#50	20.50	0.2	20.70	0.117	0.20	Pass
			RB100#0	20.77	0.2	20.97	0.125	0.20	Pass
	MCH	QPSK	RB1#0	21.74	0.2	21.94	0.156	0.20	Pass
			RB1#50	21.83	0.2	22.03	0.160	0.20	Pass
			RB1#99	21.49	0.2	21.69	0.148	0.20	Pass
			RB50#0	20.54	0.2	20.74	0.119	0.20	Pass
			RB50#25	20.88	0.2	21.08	0.128	0.20	Pass
			RB50#50	20.54	0.2	20.74	0.119	0.20	Pass
			RB100#0	20.51	0.2	20.71	0.118	0.20	Pass
		16-QAM	RB1#0	20.85	0.2	21.05	0.127	0.20	Pass
			RB1#50	20.57	0.2	20.77	0.119	0.20	Pass
			RB1#99	20.77	0.2	20.97	0.125	0.20	Pass
			RB50#0	19.69	0.2	19.89	0.097	0.20	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND48									
1.4 MHz			RB50#25	19.85	0.2	20.05	0.101	0.20	Pass
			RB50#50	19.62	0.2	19.82	0.096	0.20	Pass
			RB100#0	19.57	0.2	19.77	0.095	0.20	Pass
	HCH	QPSK	RB1#0	22.63	0.2	22.83	0.192	0.20	Pass
			RB1#50	22.31	0.2	22.51	0.178	0.20	Pass
			RB1#99	22.27	0.2	22.47	0.177	0.20	Pass
			RB50#0	21.27	0.2	21.47	0.140	0.20	Pass
			RB50#25	21.53	0.2	21.73	0.149	0.20	Pass
			RB50#50	21.30	0.2	21.50	0.141	0.20	Pass
			RB100#0	21.15	0.2	21.35	0.136	0.20	Pass
		16-QAM	RB1#0	21.89	0.2	22.09	0.162	0.20	Pass
			RB1#50	21.53	0.2	21.73	0.149	0.20	Pass
			RB1#99	21.64	0.2	21.84	0.153	0.20	Pass
			RB50#0	20.47	0.2	20.67	0.117	0.20	Pass
			RB50#25	20.34	0.2	20.54	0.113	0.20	Pass
			RB50#50	20.37	0.2	20.57	0.114	0.20	Pass
			RB100#0	20.22	0.2	20.42	0.110	0.20	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND66									
1.4 MHz	LCH	QPSK	RB1#0	24.35	-1.40	22.95	0.197	1.00	Pass
			RB1#3	24.39	-1.40	22.99	0.199	1.00	Pass
			RB1#5	24.36	-1.40	22.96	0.198	1.00	Pass
			RB3#0	24.42	-1.40	23.02	0.200	1.00	Pass
			RB3#2	24.49	-1.40	23.09	0.204	1.00	Pass
			RB3#3	24.43	-1.40	23.03	0.201	1.00	Pass
			RB6#0	23.36	-1.40	21.96	0.157	1.00	Pass
		16-QAM	RB1#0	23.46	-1.40	22.06	0.161	1.00	Pass
			RB1#3	23.52	-1.40	22.12	0.163	1.00	Pass
			RB1#5	23.49	-1.40	22.09	0.162	1.00	Pass
			RB3#0	23.47	-1.40	22.07	0.161	1.00	Pass
			RB3#2	23.53	-1.40	22.13	0.163	1.00	Pass
			RB3#3	23.50	-1.40	22.10	0.162	1.00	Pass
			RB6#0	22.48	-1.40	21.08	0.128	1.00	Pass
	MCH	QPSK	RB1#0	24.52	-1.40	23.12	0.205	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND66									
			RB1#3	24.61	-1.40	23.21	0.209	1.00	Pass
			RB1#5	24.53	-1.40	23.13	0.206	1.00	Pass
			RB3#0	24.62	-1.40	23.22	0.210	1.00	Pass
			RB3#2	24.68	-1.40	23.28	0.213	1.00	Pass
			RB3#3	24.63	-1.40	23.23	0.210	1.00	Pass
			RB6#0	23.50	-1.40	22.10	0.162	1.00	Pass
		16-QAM	RB1#0	23.92	-1.40	22.52	0.179	1.00	Pass
			RB1#3	23.99	-1.40	22.59	0.182	1.00	Pass
			RB1#5	23.92	-1.40	22.52	0.179	1.00	Pass
			RB3#0	23.83	-1.40	22.43	0.175	1.00	Pass
			RB3#2	23.88	-1.40	22.48	0.177	1.00	Pass
			RB3#3	23.84	-1.40	22.44	0.175	1.00	Pass
			RB6#0	22.44	-1.40	21.04	0.127	1.00	Pass
	HCH	QPSK	RB1#0	25.18	-1.40	23.78	0.239	1.00	Pass
			RB1#3	25.21	-1.40	23.81	0.240	1.00	Pass
			RB1#5	25.18	-1.40	23.78	0.239	1.00	Pass
			RB3#0	25.14	-1.40	23.74	0.237	1.00	Pass
			RB3#2	25.23	-1.40	23.83	0.242	1.00	Pass
			RB3#3	25.13	-1.40	23.73	0.236	1.00	Pass
			RB6#0	24.22	-1.40	22.82	0.191	1.00	Pass
		16-QAM	RB1#0	24.06	-1.40	22.66	0.185	1.00	Pass
			RB1#3	24.15	-1.40	22.75	0.188	1.00	Pass
			RB1#5	24.11	-1.40	22.71	0.187	1.00	Pass
			RB3#0	24.31	-1.40	22.91	0.195	1.00	Pass
			RB3#2	24.36	-1.40	22.96	0.198	1.00	Pass
			RB3#3	24.29	-1.40	22.89	0.195	1.00	Pass
			RB6#0	23.29	-1.40	21.89	0.155	1.00	Pass
3 MHz	LCH	QPSK	RB1#0	24.40	-1.40	23.00	0.200	1.00	Pass
			RB1#7	24.36	-1.40	22.96	0.198	1.00	Pass
			RB1#14	24.35	-1.40	22.95	0.197	1.00	Pass
			RB8#0	23.47	-1.40	22.07	0.161	1.00	Pass
			RB8#4	23.52	-1.40	22.12	0.163	1.00	Pass
			RB8#7	23.47	-1.40	22.07	0.161	1.00	Pass
			RB15#0	23.47	-1.40	22.07	0.161	1.00	Pass
		16-QAM	RB1#0	23.31	-1.40	21.91	0.155	1.00	Pass
			RB1#7	23.33	-1.40	21.93	0.156	1.00	Pass
			RB1#14	23.32	-1.40	21.92	0.156	1.00	Pass
			RB8#0	22.62	-1.40	21.22	0.132	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND66									
			RB8#4	22.63	-1.40	21.23	0.133	1.00	Pass
			RB8#7	22.58	-1.40	21.18	0.131	1.00	Pass
			RB15#0	22.55	-1.40	21.15	0.130	1.00	Pass
	MCH	QPSK	RB1#0	24.54	-1.40	23.14	0.206	1.00	Pass
			RB1#7	24.56	-1.40	23.16	0.207	1.00	Pass
			RB1#14	24.59	-1.40	23.19	0.208	1.00	Pass
			RB8#0	23.62	-1.40	22.22	0.167	1.00	Pass
			RB8#4	23.66	-1.40	22.26	0.168	1.00	Pass
			RB8#7	23.62	-1.40	22.22	0.167	1.00	Pass
			RB15#0	23.61	-1.40	22.21	0.166	1.00	Pass
		16-QAM	RB1#0	23.94	-1.40	22.54	0.179	1.00	Pass
			RB1#7	23.97	-1.40	22.57	0.181	1.00	Pass
			RB1#14	24.00	-1.40	22.60	0.182	1.00	Pass
			RB8#0	22.72	-1.40	21.32	0.136	1.00	Pass
			RB8#4	22.81	-1.40	21.41	0.138	1.00	Pass
			RB8#7	22.74	-1.40	21.34	0.136	1.00	Pass
			RB15#0	22.70	-1.40	21.30	0.135	1.00	Pass
	HCH	QPSK	RB1#0	25.14	-1.40	23.74	0.237	1.00	Pass
			RB1#7	25.20	-1.40	23.80	0.240	1.00	Pass
			RB1#14	25.17	-1.40	23.77	0.238	1.00	Pass
			RB8#0	24.18	-1.40	22.78	0.190	1.00	Pass
			RB8#4	24.24	-1.40	22.84	0.192	1.00	Pass
			RB8#7	24.20	-1.40	22.80	0.191	1.00	Pass
			RB15#0	24.22	-1.40	22.82	0.191	1.00	Pass
		16-QAM	RB1#0	24.12	-1.40	22.72	0.187	1.00	Pass
			RB1#7	24.11	-1.40	22.71	0.187	1.00	Pass
			RB1#14	24.11	-1.40	22.71	0.187	1.00	Pass
			RB8#0	23.20	-1.40	21.80	0.151	1.00	Pass
			RB8#4	23.24	-1.40	21.84	0.153	1.00	Pass
			RB8#7	23.18	-1.40	21.78	0.151	1.00	Pass
			RB15#0	23.11	-1.40	21.71	0.148	1.00	Pass
5 MHz	LCH	QPSK	RB1#0	24.43	-1.40	23.03	0.201	1.00	Pass
			RB1#13	24.52	-1.40	23.12	0.205	1.00	Pass
			RB1#24	24.39	-1.40	22.99	0.199	1.00	Pass
			RB12#0	23.45	-1.40	22.05	0.160	1.00	Pass
			RB12#6	23.50	-1.40	22.10	0.162	1.00	Pass
			RB12#13	23.44	-1.40	22.04	0.160	1.00	Pass
			RB25#0	23.50	-1.40	22.10	0.162	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND66									
	MCH	16-QAM	RB1#0	23.60	-1.40	22.20	0.166	1.00	Pass
			RB1#13	23.70	-1.40	22.30	0.170	1.00	Pass
			RB1#24	23.62	-1.40	22.22	0.167	1.00	Pass
			RB12#0	22.60	-1.40	21.20	0.132	1.00	Pass
			RB12#6	22.64	-1.40	21.24	0.133	1.00	Pass
			RB12#13	22.60	-1.40	21.20	0.132	1.00	Pass
			RB25#0	22.55	-1.40	21.15	0.130	1.00	Pass
		QPSK	RB1#0	24.56	-1.40	23.16	0.207	1.00	Pass
			RB1#13	24.69	-1.40	23.29	0.213	1.00	Pass
			RB1#24	24.61	-1.40	23.21	0.209	1.00	Pass
			RB12#0	23.62	-1.40	22.22	0.167	1.00	Pass
			RB12#6	23.64	-1.40	22.24	0.167	1.00	Pass
			RB12#13	23.62	-1.40	22.22	0.167	1.00	Pass
			RB25#0	23.63	-1.40	22.23	0.167	1.00	Pass
		16-QAM	RB1#0	24.04	-1.40	22.64	0.184	1.00	Pass
			RB1#13	24.20	-1.40	22.80	0.191	1.00	Pass
			RB1#24	24.12	-1.40	22.72	0.187	1.00	Pass
			RB12#0	22.79	-1.40	21.39	0.138	1.00	Pass
			RB12#6	22.87	-1.40	21.47	0.140	1.00	Pass
			RB12#13	22.85	-1.40	21.45	0.140	1.00	Pass
			RB25#0	22.73	-1.40	21.33	0.136	1.00	Pass
	HCH	QPSK	RB1#0	25.08	-1.40	23.68	0.233	1.00	Pass
			RB1#13	25.20	-1.40	23.80	0.240	1.00	Pass
			RB1#24	25.10	-1.40	23.70	0.234	1.00	Pass
			RB12#0	24.13	-1.40	22.73	0.187	1.00	Pass
			RB12#6	24.15	-1.40	22.75	0.188	1.00	Pass
			RB12#13	24.15	-1.40	22.75	0.188	1.00	Pass
			RB25#0	24.13	-1.40	22.73	0.187	1.00	Pass
		16-QAM	RB1#0	24.20	-1.40	22.80	0.191	1.00	Pass
			RB1#13	24.27	-1.40	22.87	0.194	1.00	Pass
			RB1#24	24.15	-1.40	22.75	0.188	1.00	Pass
			RB12#0	23.21	-1.40	21.81	0.152	1.00	Pass
			RB12#6	23.20	-1.40	21.80	0.151	1.00	Pass
			RB12#13	23.13	-1.40	21.73	0.149	1.00	Pass
			RB25#0	23.11	-1.40	21.71	0.148	1.00	Pass
10 MHz	LCH	QPSK	RB1#0	24.46	-1.40	23.06	0.202	1.00	Pass
			RB1#25	24.40	-1.40	23.00	0.200	1.00	Pass
			RB1#49	24.46	-1.40	23.06	0.202	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND66									
			RB25#0	23.49	-1.40	22.09	0.162	1.00	Pass
			RB25#13	23.54	-1.40	22.14	0.164	1.00	Pass
			RB25#25	23.49	-1.40	22.09	0.162	1.00	Pass
			RB50#0	23.52	-1.40	22.12	0.163	1.00	Pass
		16-QAM	RB1#0	23.41	-1.40	22.01	0.159	1.00	Pass
			RB1#25	23.40	-1.40	22.00	0.158	1.00	Pass
			RB1#49	23.33	-1.40	21.93	0.156	1.00	Pass
			RB25#0	22.58	-1.40	21.18	0.131	1.00	Pass
			RB25#13	22.63	-1.40	21.23	0.133	1.00	Pass
			RB25#25	22.54	-1.40	21.14	0.130	1.00	Pass
			RB50#0	22.53	-1.40	21.13	0.130	1.00	Pass
	MCH	QPSK	RB1#0	24.52	-1.40	23.12	0.205	1.00	Pass
			RB1#25	24.63	-1.40	23.23	0.210	1.00	Pass
			RB1#49	24.62	-1.40	23.22	0.210	1.00	Pass
			RB25#0	23.62	-1.40	22.22	0.167	1.00	Pass
			RB25#13	23.66	-1.40	22.26	0.168	1.00	Pass
			RB25#25	23.64	-1.40	22.24	0.167	1.00	Pass
			RB50#0	23.63	-1.40	22.23	0.167	1.00	Pass
		16-QAM	RB1#0	23.88	-1.40	22.48	0.177	1.00	Pass
			RB1#25	23.99	-1.40	22.59	0.182	1.00	Pass
			RB1#49	24.00	-1.40	22.60	0.182	1.00	Pass
			RB25#0	22.68	-1.40	21.28	0.134	1.00	Pass
			RB25#13	22.71	-1.40	21.31	0.135	1.00	Pass
			RB25#25	22.77	-1.40	21.37	0.137	1.00	Pass
			RB50#0	22.70	-1.40	21.30	0.135	1.00	Pass
	HCH	QPSK	RB1#0	25.03	-1.40	23.63	0.231	1.00	Pass
			RB1#25	25.02	-1.40	23.62	0.230	1.00	Pass
			RB1#49	25.07	-1.40	23.67	0.233	1.00	Pass
			RB25#0	24.03	-1.40	22.63	0.183	1.00	Pass
			RB25#13	24.03	-1.40	22.63	0.183	1.00	Pass
			RB25#25	23.99	-1.40	22.59	0.182	1.00	Pass
			RB50#0	24.02	-1.40	22.62	0.183	1.00	Pass
		16-QAM	RB1#0	24.09	-1.40	22.69	0.186	1.00	Pass
			RB1#25	24.03	-1.40	22.63	0.183	1.00	Pass
			RB1#49	23.91	-1.40	22.51	0.178	1.00	Pass
			RB25#0	23.20	-1.40	21.80	0.151	1.00	Pass
			RB25#13	23.15	-1.40	21.75	0.150	1.00	Pass
			RB25#25	23.09	-1.40	21.69	0.148	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND66									
			RB50#0	23.05	-1.40	21.65	0.146	1.00	Pass
15 MHz	LCH	QPSK	RB1#0	24.45	-1.40	23.05	0.202	1.00	Pass
			RB1#38	24.51	-1.40	23.11	0.205	1.00	Pass
			RB1#74	24.39	-1.40	22.99	0.199	1.00	Pass
			RB36#0	23.59	-1.40	22.19	0.166	1.00	Pass
			RB36#19	23.62	-1.40	22.22	0.167	1.00	Pass
			RB36#39	23.55	-1.40	22.15	0.164	1.00	Pass
			RB75#0	23.53	-1.40	22.13	0.163	1.00	Pass
		16-QAM	RB1#0	23.43	-1.40	22.03	0.160	1.00	Pass
			RB1#38	23.42	-1.40	22.02	0.159	1.00	Pass
			RB1#74	23.22	-1.40	21.82	0.152	1.00	Pass
			RB36#0	22.61	-1.40	21.21	0.132	1.00	Pass
			RB36#19	22.61	-1.40	21.21	0.132	1.00	Pass
			RB36#39	22.45	-1.40	21.05	0.127	1.00	Pass
			RB75#0	22.52	-1.40	21.12	0.129	1.00	Pass
		MCH	QPSK	RB1#0	24.45	-1.40	23.05	0.202	1.00
	RB1#38			24.55	-1.40	23.15	0.207	1.00	Pass
	RB1#74			24.53	-1.40	23.13	0.206	1.00	Pass
	RB36#0			23.58	-1.40	22.18	0.165	1.00	Pass
	RB36#19			23.70	-1.40	22.30	0.170	1.00	Pass
	RB36#39			23.72	-1.40	22.32	0.171	1.00	Pass
	RB75#0			23.67	-1.40	22.27	0.169	1.00	Pass
	16-QAM		RB1#0	23.88	-1.40	22.48	0.177	1.00	Pass
			RB1#38	23.99	-1.40	22.59	0.182	1.00	Pass
			RB1#74	23.89	-1.40	22.49	0.177	1.00	Pass
			RB36#0	22.66	-1.40	21.26	0.134	1.00	Pass
			RB36#19	22.77	-1.40	21.37	0.137	1.00	Pass
			RB36#39	22.78	-1.40	21.38	0.137	1.00	Pass
			RB75#0	22.69	-1.40	21.29	0.135	1.00	Pass
	HCH	QPSK	RB1#0	24.97	-1.40	23.57	0.228	1.00	Pass
			RB1#38	24.88	-1.40	23.48	0.223	1.00	Pass
			RB1#74	24.89	-1.40	23.49	0.223	1.00	Pass
			RB36#0	24.09	-1.40	22.69	0.186	1.00	Pass
			RB36#19	24.10	-1.40	22.70	0.186	1.00	Pass
			RB36#39	24.03	-1.40	22.63	0.183	1.00	Pass
			RB75#0	24.07	-1.40	22.67	0.185	1.00	Pass
		16-QAM	RB1#0	24.42	-1.40	23.02	0.200	1.00	Pass
			RB1#38	24.37	-1.40	22.97	0.198	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND66									
20 MHz			RB1#74	24.22	-1.40	22.82	0.191	1.00	Pass
			RB36#0	23.06	-1.40	21.66	0.147	1.00	Pass
			RB36#19	23.11	-1.40	21.71	0.148	1.00	Pass
			RB36#39	22.98	-1.40	21.58	0.144	1.00	Pass
			RB75#0	23.07	-1.40	21.67	0.147	1.00	Pass
	LCH	QPSK	RB1#0	24.52	-1.40	23.12	0.205	1.00	Pass
			RB1#50	24.56	-1.40	23.16	0.207	1.00	Pass
			RB1#99	24.44	-1.40	23.04	0.201	1.00	Pass
			RB50#0	23.57	-1.40	22.17	0.165	1.00	Pass
			RB50#25	23.47	-1.40	22.07	0.161	1.00	Pass
			RB50#50	23.45	-1.40	22.05	0.160	1.00	Pass
			RB100#0	23.46	-1.40	22.06	0.161	1.00	Pass
		16-QAM	RB1#0	24.04	-1.40	22.64	0.184	1.00	Pass
			RB1#50	24.00	-1.40	22.60	0.182	1.00	Pass
			RB1#99	23.88	-1.40	22.48	0.177	1.00	Pass
			RB50#0	22.67	-1.40	21.27	0.134	1.00	Pass
			RB50#25	22.48	-1.40	21.08	0.128	1.00	Pass
			RB50#50	22.42	-1.40	21.02	0.126	1.00	Pass
			RB100#0	22.49	-1.40	21.09	0.129	1.00	Pass
	MCH	QPSK	RB1#0	24.57	-1.40	23.17	0.207	1.00	Pass
			RB1#50	24.63	-1.40	23.23	0.210	1.00	Pass
			RB1#99	24.62	-1.40	23.22	0.210	1.00	Pass
			RB50#0	23.53	-1.40	22.13	0.163	1.00	Pass
			RB50#25	23.63	-1.40	22.23	0.167	1.00	Pass
			RB50#50	23.69	-1.40	22.29	0.169	1.00	Pass
			RB100#0	23.63	-1.40	22.23	0.167	1.00	Pass
		16-QAM	RB1#0	24.01	-1.40	22.61	0.182	1.00	Pass
			RB1#50	24.04	-1.40	22.64	0.184	1.00	Pass
			RB1#99	24.00	-1.40	22.60	0.182	1.00	Pass
			RB50#0	22.65	-1.40	21.25	0.133	1.00	Pass
			RB50#25	22.77	-1.40	21.37	0.137	1.00	Pass
			RB50#50	22.75	-1.40	21.35	0.136	1.00	Pass
			RB100#0	22.66	-1.40	21.26	0.134	1.00	Pass
	HCH	QPSK	RB1#0	24.84	-1.40	23.44	0.221	1.00	Pass
			RB1#50	24.73	-1.40	23.33	0.215	1.00	Pass
			RB1#99	24.78	-1.40	23.38	0.218	1.00	Pass
			RB50#0	23.92	-1.40	22.52	0.179	1.00	Pass
			RB50#25	24.00	-1.40	22.60	0.182	1.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND66									
			RB50#50	23.87	-1.40	22.47	0.177	1.00	Pass
			RB100#0	23.93	-1.40	22.53	0.179	1.00	Pass
		16-QAM	RB1#0	24.23	-1.40	22.83	0.192	1.00	Pass
			RB1#50	24.22	-1.40	22.82	0.191	1.00	Pass
			RB1#99	24.12	-1.40	22.72	0.187	1.00	Pass
			RB50#0	22.93	-1.40	21.53	0.142	1.00	Pass
			RB50#25	22.99	-1.40	21.59	0.144	1.00	Pass
			RB50#50	22.83	-1.40	21.43	0.139	1.00	Pass
			RB100#0	22.96	-1.40	21.56	0.143	1.00	Pass

Modulation	PCC RB		SCC RB		Conducted Output AV Power (dBm)			Antenna Gain (dBi)	EIRP (W)			Limit (W)
	Size	Offset	Size	Offset	LCH	MCH	HCH		LCH	MCH	HCH	
CA_38C												
15MHz+15MHz												
QPSK	1	0	0	0	22.68	22.90	23.15	1.90	0.287	0.302	0.320	2.000
	36	0	0	0	21.81	22.16	22.47	1.90	0.235	0.255	0.274	2.000
	75	0	0	0	21.89	22.26	22.45	1.90	0.239	0.261	0.272	2.000
	1	74	1	0	22.83	23.24	21.19	1.90	0.297	0.327	0.204	2.000
	75	0	75	0	20.84	21.95	19.29	1.90	0.188	0.243	0.132	2.000
16-QAM	1	0	0	0	21.82	22.10	22.02	1.90	0.236	0.251	0.247	2.000
	36	0	0	0	20.72	21.22	21.38	1.90	0.183	0.205	0.213	2.000
	75	0	0	0	20.78	21.31	21.43	1.90	0.185	0.209	0.215	2.000
	1	74	1	0	21.88	20.30	20.12	1.90	0.239	0.166	0.159	2.000
	75	0	75	0	19.74	18.12	18.26	1.90	0.146	0.100	0.104	2.000
20MHz+20MHz												
QPSK	1	0	0	0	22.90	22.96	23.00	1.90	0.302	0.306	0.309	2.000
	50	0	0	0	21.91	22.17	22.23	1.90	0.240	0.255	0.259	2.000
	100	0	0	0	22.05	22.29	22.26	1.90	0.248	0.262	0.261	2.000
	1	99	1	0	23.18	23.40	23.41	1.90	0.322	0.339	0.340	2.000
	100	0	100	0	20.78	20.97	20.95	1.90	0.185	0.194	0.193	2.000
16-QAM	1	0	0	0	21.80	21.74	22.13	1.90	0.234	0.231	0.253	2.000
	50	0	0	0	20.89	21.18	21.22	1.90	0.190	0.203	0.205	2.000
	100	0	0	0	21.00	21.24	21.22	1.90	0.195	0.206	0.205	2.000
	1	99	1	0	22.02	22.19	22.50	1.90	0.247	0.256	0.275	2.000
	100	0	100	0	19.51	19.80	19.76	1.90	0.138	0.148	0.147	2.000

Modulation	PCC RB		SCC RB		Conducted Output AV Power (dBm)			Antenna Gain (dBi)	EIRP (W)			Limit (W)
	Size	Offset	Size	Offset	LCH	MCH	HCH		LCH	MCH	HCH	
CA_41C												
5MHz+20MHz												
QPSK	1	24	1	0	22.55	21.01	21.35	2.40	0.313	0.219	0.237	2.000
	25	0	100	0	20.25	19.00	22.60	2.40	0.184	0.138	0.316	2.000
16-QAM	1	24	1	0	21.53	20.08	20.56	2.40	0.247	0.177	0.198	2.000
	25	0	100	0	18.99	18.02	18.38	2.40	0.138	0.110	0.120	2.000
20MHz+5MHz												
QPSK	1	0	0	0	22.56	23.15	23.60	2.40	0.313	0.359	0.398	2.000
	50	0	0	0	21.21	20.96	22.04	2.40	0.230	0.217	0.278	2.000
	100	0	0	0	21.79	21.09	22.29	2.40	0.262	0.223	0.294	2.000
	1	99	1	0	21.38	21.52	21.55	2.40	0.239	0.247	0.248	2.000
	100	0	25	0	18.05	19.51	18.94	2.40	0.111	0.155	0.136	2.000
16-QAM	1	0	0	0	21.30	21.74	22.43	2.40	0.234	0.259	0.304	2.000
	50	0	0	0	20.12	20.40	20.43	2.40	0.179	0.191	0.192	2.000
	100	0	0	0	20.77	20.52	20.17	2.40	0.207	0.196	0.181	2.000
	1	99	1	0	21.19	20.20	20.62	2.40	0.229	0.182	0.200	2.000
	100	0	25	0	17.58	18.02	18.20	2.40	0.100	0.110	0.115	2.000
10MHz+20MHz												
QPSK	1	49	1	0	20.38	20.50	21.18	2.40	0.190	0.195	0.228	2.000
	50	0	100	0	18.39	18.50	19.17	2.40	0.120	0.123	0.144	2.000
16-QAM	1	49	1	0	19.47	19.36	19.85	2.40	0.154	0.150	0.168	2.000
	50	0	100	0	17.40	17.41	18.11	2.40	0.095	0.096	0.112	2.000
20MHz+10MHz												
QPSK	1	99	1	0	20.34	21.08	21.40	2.40	0.188	0.223	0.240	2.000
	100	0	50	0	18.70	19.01	19.39	2.40	0.129	0.138	0.151	2.000
16-QAM	1	99	1	0	18.90	20.08	19.98	2.40	0.135	0.177	0.173	2.000
	100	0	50	0	17.41	17.97	18.39	2.40	0.096	0.109	0.120	2.000
15MHz+15MHz												
QPSK	1	74	1	0	20.34	21.04	21.23	2.40	0.188	0.221	0.231	2.000
	75	0	75	0	18.45	19.05	19.42	2.40	0.122	0.140	0.152	2.000
16-QAM	1	74	1	0	19.27	19.83	20.33	2.40	0.147	0.167	0.187	2.000
	75	0	75	0	17.43	18.02	18.39	2.40	0.096	0.110	0.120	2.000
15MHz+20MHz												
QPSK	1	74	1	0	20.38	21.13	21.31	2.40	0.190	0.225	0.235	2.000
	75	0	100	0	18.43	19.05	19.39	2.40	0.121	0.140	0.151	2.000
16-QAM	1	74	1	0	19.31	19.85	20.40	2.40	0.148	0.168	0.191	2.000
	75	0	100	0	17.40	18.09	18.39	2.40	0.095	0.112	0.120	2.000
20MHz+15MHz												

Modulation	PCC RB		SCC RB		Conducted Output AV Power (dBm)			Antenna Gain (dBi)	EIRP (W)			Limit (W)
	Size	Offset	Size	Offset	LCH	MCH	HCH		LCH	MCH	HCH	
CA_41C												
QPSK	1	99	1	0	20.41	21.03	21.29	2.40	0.191	0.220	0.234	2.000
	100	0	75	0	18.43	19.08	19.37	2.40	0.121	0.141	0.150	2.000
16-QAM	1	99	1	0	19.05	19.58	20.19	2.40	0.140	0.158	0.182	2.000
	100	0	75	0	17.43	18.07	18.38	2.40	0.096	0.111	0.120	2.000
20MHz+20MHz												
QPSK	1	0	0	0	22.38	23.21	23.46	2.40	0.301	0.364	0.385	2.000
	50	0	0	0	21.66	22.24	22.49	2.40	0.255	0.291	0.308	2.000
	100	0	0	0	21.68	22.23	22.49	2.40	0.256	0.290	0.308	2.000
	1	99	1	0	22.48	23.23	20.25	2.40	0.308	0.366	0.184	2.000
	100	0	100	0	20.57	20.72	19.31	2.40	0.198	0.205	0.148	2.000
16-QAM	1	0	0	0	21.07	21.86	22.49	2.40	0.222	0.267	0.308	2.000
	50	0	0	0	20.67	21.23	21.50	2.40	0.203	0.231	0.245	2.000
	100	0	0	0	20.64	21.18	21.50	2.40	0.201	0.228	0.245	2.000
	1	99	1	0	21.07	21.93	20.24	2.40	0.222	0.271	0.184	2.000
	100	0	100	0	19.40	19.75	18.32	2.40	0.151	0.164	0.118	2.000

Modulation	PCC RB		SCC RB		Conducted Output AV Power (dBm)			Antenna Gain (dBi)	EIRP (W)			Limit (W)
	Size	Offset	Size	Offset	LCH	MCH	HCH		LCH	MCH	HCH	
CA_42C												
5MHz+20MHz												
QPSK	1	24	1	0	22.11	21.05	20.78	1.5	0.230	0.180	0.169	1.000
	25	0	100	0	20.11	19.09	18.83	1.5	0.145	0.115	0.108	1.000
16-QAM	1	24	1	0	21.31	20.03	19.82	1.5	0.191	0.142	0.136	1.000
	25	0	100	0	19.08	18.08	17.82	1.5	0.114	0.091	0.086	1.000
20MHz+5MHz												
QPSK	1	0	0	0	24.29	21.35	23.16	1.5	0.379	0.193	0.292	1.000
	50	0	0	0	22.49	21.06	21.00	1.5	0.251	0.180	0.178	1.000
	100	0	0	0	22.60	21.04	20.76	1.5	0.257	0.179	0.168	1.000
	1	99	1	0	22.44	21.06	20.08	1.5	0.248	0.180	0.144	1.000
	100	0	25	0	19.40	18.73	19.83	1.5	0.123	0.105	0.136	1.000
16-QAM	1	0	0	0	23.26	21.89	21.80	1.5	0.299	0.218	0.214	1.000
	50	0	0	0	21.37	20.05	20.13	1.5	0.194	0.143	0.146	1.000
	100	0	0	0	21.47	20.02	20.15	1.5	0.198	0.142	0.146	1.000
	1	99	1	0	21.29	21.05	20.43	1.5	0.190	0.180	0.156	1.000
	100	0	25	0	18.40	19.94	18.11	1.5	0.098	0.139	0.091	1.000
10MHz+20MHz												
QPSK	1	49	1	0	21.98	20.92	20.73	1.5	0.223	0.175	0.167	1.000
	50	0	100	0	20.02	19.12	18.90	1.5	0.142	0.115	0.110	1.000
16-QAM	1	49	1	0	20.61	20.08	19.67	1.5	0.163	0.144	0.131	1.000
	50	0	100	0	19.00	18.10	17.88	1.5	0.112	0.091	0.087	1.000
20MHz+10MHz												
QPSK	1	99	1	0	21.81	20.67	20.73	1.5	0.214	0.165	0.167	1.000
	100	0	50	0	19.85	19.07	18.97	1.5	0.136	0.114	0.111	1.000
16-QAM	1	99	1	0	20.72	19.86	19.64	1.5	0.167	0.137	0.130	1.000
	100	0	50	0	19.01	18.11	17.89	1.5	0.112	0.091	0.087	1.000
15MHz+20MHz												
QPSK	1	74	1	0	21.78	20.67	20.73	1.5	0.213	0.165	0.167	1.000
	75	0	100	0	20.00	19.07	18.97	1.5	0.141	0.114	0.111	1.000
16-QAM	1	74	1	0	20.52	19.86	19.64	1.5	0.159	0.137	0.130	1.000
	75	0	100	0	19.01	18.11	17.89	1.5	0.112	0.091	0.087	1.000
20MHz+15MHz												
QPSK	1	99	1	0	21.54	20.56	20.77	1.5	0.201	0.161	0.169	1.000
	100	0	75	0	19.80	18.97	18.91	1.5	0.135	0.111	0.110	1.000
16-QAM	1	99	1	0	20.12	19.51	19.36	1.5	0.145	0.126	0.122	1.000
	100	0	75	0	18.82	17.97	17.88	1.5	0.108	0.089	0.087	1.000
20MHz+20MHz												

Modulation n	PCC RB		SCC RB		Conducted Output AV Power (dBm)			Antenna Gain (dBi)	EIRP (W)			Limit (W)
	Size	Offset	Size	Offset	LCH	MCH	HCH		LCH	MCH	HCH	
CA_42C												
QPSK	1	0	0	0	24.30	23.63	23.20	1.5	0.380	0.326	0.295	1.000
	50	0	0	0	23.27	22.51	22.21	1.5	0.300	0.252	0.235	1.000
	100	0	0	0	23.12	22.22	22.14	1.5	0.290	0.236	0.231	1.000
	1	99	1	0	21.62	20.59	20.78	1.5	0.205	0.162	0.169	1.000
	100	0	100	0	19.85	19.03	18.87	1.5	0.136	0.113	0.109	1.000
16-QAM	1	0	0	0	23.36	22.68	21.89	1.5	0.306	0.262	0.218	1.000
	50	0	0	0	22.29	21.54	21.19	1.5	0.239	0.201	0.186	1.000
	100	0	0	0	22.10	21.21	21.05	1.5	0.229	0.187	0.180	1.000
	1	99	1	0	20.13	19.54	19.38	1.5	0.146	0.127	0.122	1.000
	100	0	100	0	18.88	18.02	17.90	1.5	0.109	0.090	0.087	1.000

A.2 Peak to Average Ratio

Note 1: For average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB. For GSM, GPRS and EGPRS, there are peak power to demonstrate compliance, PAR measurements are not required.

Note 2: Test plots please refer to the document “Annex No.: BL-EC2410592-501 Data Part 1.pdf”.

WCDMA Mode Test Data

Test Band	Test Channel	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
Band 2	LCH	3.09	13	14.1	Pass
	MCH	3.00	13	14.2	Pass
	HCH	3.00	13	14.3	Pass
Band 4	LCH	3.09	13	15.1	Pass
	MCH	3.05	13	15.2	Pass
	HCH	2.81	13	15.3	Pass
Band 5	LCH	2.86	13	16.1	Pass
	MCH	3.00	13	16.2	Pass
	HCH	3.09	13	16.3	Pass

LTE Mode Test Data

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
LTE Band 2	20 MHz	LCH	QPSK	RB1#0	4.69	13	1.1	Pass
				RB100#0	5.30	13	1.2	Pass
			16-QAM	RB1#0	5.34	13	1.3	Pass
				RB100#0	6.14	13	1.4	Pass
		MCH	QPSK	RB1#0	3.84	13	1.5	Pass
				RB100#0	5.20	13	1.6	Pass
			16-QAM	RB1#0	4.64	13	1.7	Pass
				RB100#0	6.09	13	1.8	Pass
		HCH	QPSK	RB1#0	4.87	13	1.9	Pass
				RB100#0	5.34	13	1.10	Pass
			16-QAM	RB1#0	5.67	13	1.11	Pass
				RB100#0	6.14	13	1.12	Pass
LTE Band 4	20 MHz	LCH	QPSK	RB1#0	4.50	13	2.1	Pass
				RB100#0	4.92	13	2.2	Pass
			16-QAM	RB1#0	5.39	13	2.3	Pass
				RB100#0	5.91	13	2.4	Pass
		MCH	QPSK	RB1#0	3.56	13	2.5	Pass
				RB100#0	5.20	13	2.6	Pass
			16-QAM	RB1#0	4.36	13	2.7	Pass
				RB1#0	4.36	13	2.7	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
		HCH	QPSK	RB100#0	6.00	13	2.8	Pass
				RB1#0	4.59	13	2.9	Pass
			16-QAM	RB100#0	5.34	13	2.10	Pass
				RB1#0	5.44	13	2.11	Pass
				RB100#0	6.23	13	2.12	Pass
LTE Band 5	10 MHz	LCH	QPSK	RB1#0	4.12	13	3.1	Pass
				RB50#0	5.30	13	3.2	Pass
			16-QAM	RB1#0	4.92	13	3.3	Pass
				RB50#0	6.09	13	3.4	Pass
		MCH	QPSK	RB1#0	4.45	13	3.5	Pass
				RB50#0	5.20	13	3.6	Pass
			16-QAM	RB1#0	5.30	13	3.7	Pass
				RB50#0	6.14	13	3.8	Pass
		HCH	QPSK	RB1#0	4.36	13	3.9	Pass
				RB50#0	5.39	13	3.10	Pass
			16-QAM	RB1#0	5.25	13	3.11	Pass
				RB50#0	6.14	13	3.12	Pass
LTE Band 7	20 MHz	LCH	QPSK	RB1#0	4.36	13	4.1	Pass
				RB100#0	5.34	13	4.2	Pass
			16-QAM	RB1#0	5.11	13	4.3	Pass
				RB100#0	6.09	13	4.4	Pass
		MCH	QPSK	RB1#0	4.73	13	4.5	Pass
				RB100#0	5.02	13	4.6	Pass
			16-QAM	RB1#0	5.53	13	4.7	Pass
				RB100#0	5.86	13	4.8	Pass
		HCH	QPSK	RB1#0	4.45	13	4.9	Pass
				RB100#0	5.39	13	4.10	Pass
			16-QAM	RB1#0	5.30	13	4.11	Pass
				RB100#0	6.19	13	4.12	Pass
LTE Band 38	20 MHz	LCH	QPSK	RB1#0	8.48	13	6.1	Pass
				RB100#0	9.00	13	6.2	Pass
			16-QAM	RB1#0	9.42	13	6.3	Pass
				RB100#0	9.70	13	6.4	Pass
		MCH	QPSK	RB1#0	8.58	13	6.5	Pass
				RB100#0	8.95	13	6.6	Pass
			16-QAM	RB1#0	9.37	13	6.7	Pass
				RB100#0	9.66	13	6.8	Pass
		HCH	QPSK	RB1#0	8.34	13	6.9	Pass
				RB100#0	8.95	13	6.10	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
LTE Band 41	20 MHz		16-QAM	RB1#0	9.14	13	6.11	Pass
				RB100#0	9.66	13	6.12	Pass
		LCH	QPSK	RB1#0	8.77	13	7.1	Pass
				RB100#0	9.00	13	7.2	Pass
			16-QAM	RB1#0	9.70	13	7.3	Pass
				RB100#0	9.70	13	7.4	Pass
		MCH	QPSK	RB1#0	8.62	13	7.5	Pass
				RB100#0	8.95	13	7.6	Pass
			16-QAM	RB1#0	9.42	13	7.7	Pass
				RB100#0	9.66	13	7.8	Pass
		HCH	QPSK	RB1#0	7.36	13	7.9	Pass
				RB100#0	8.86	13	7.10	Pass
			16-QAM	RB1#0	8.20	13	7.11	Pass
				RB100#0	9.56	13	7.12	Pass
LTE Band 42	20 MHz	LCH	QPSK	RB1#0	8.59	13	8.1	Pass
				RB100#0	9.17	13	8.2	Pass
			16-QAM	RB1#0	9.35	13	8.3	Pass
				RB100#0	9.87	13	8.4	Pass
		MCH	QPSK	RB1#0	8.79	13	8.5	Pass
				RB100#0	9.19	13	8.6	Pass
			16-QAM	RB1#0	9.59	13	8.7	Pass
				RB100#0	9.90	13	8.8	Pass
		HCH	QPSK	RB1#0	8.46	13	8.9	Pass
				RB100#0	9.12	13	8.10	Pass
			16-QAM	RB1#0	9.15	13	8.11	Pass
				RB100#0	9.81	13	8.12	Pass
LTE Band 43	20 MHz	LCH	QPSK	RB1#0	8.38	13	9.1	Pass
				RB100#0	9.02	13	9.2	Pass
			16-QAM	RB1#0	9.29	13	9.3	Pass
				RB100#0	9.69	13	9.4	Pass
		MCH	QPSK	RB1#0	8.33	13	9.5	Pass
				RB100#0	8.96	13	9.6	Pass
			16-QAM	RB1#0	9.14	13	9.7	Pass
				RB100#0	9.69	13	9.8	Pass
		HCH	QPSK	RB1#0	8.18	13	9.9	Pass
				RB100#0	9.03	13	9.10	Pass
			16-QAM	RB1#0	8.88	13	9.11	Pass
				RB100#0	9.73	13	9.12	Pass
LTE	20 MHz	LCH	QPSK	RB1#0	8.65	13	10.1	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
Band 48			16-QAM	RB100#0	9.15	13	10.2	Pass
				RB1#0	9.50	13	10.3	Pass
				RB100#0	9.86	13	10.4	Pass
		MCH	QPSK	RB1#0	8.55	13	10.5	Pass
				RB100#0	9.05	13	10.6	Pass
			16-QAM	RB1#0	9.42	13	10.7	Pass
				RB100#0	9.74	13	10.8	Pass
		HCH	QPSK	RB1#0	8.71	13	10.9	Pass
				RB100#0	9.08	13	10.10	Pass
			16-QAM	RB1#0	9.53	13	10.11	Pass
				RB100#0	9.83	13	10.12	Pass
LTE Band 66	20 MHz	LCH	QPSK	RB1#0	4.55	13	5.1	Pass
				RB100#0	5.02	13	5.2	Pass
			16-QAM	RB1#0	5.30	13	5.3	Pass
				RB100#0	5.86	13	5.4	Pass
		MCH	QPSK	RB1#0	4.59	13	5.5	Pass
				RB100#0	5.34	13	5.6	Pass
			16-QAM	RB1#0	5.48	13	5.7	Pass
				RB100#0	6.19	13	5.8	Pass
		HCH	QPSK	RB1#0	4.27	13	5.9	Pass
				RB100#0	5.39	13	5.10	Pass
			16-QAM	RB1#0	5.16	13	5.11	Pass
				RB100#0	6.19	13	5.12	Pass
LTE Band 40a	10 MHz	MCH	QPSK	RB1#0	8.58	13	17.1	Pass
				RB50#0	9.00	13	17.2	Pass
			16-QAM	RB1#0	9.37	13	17.3	Pass
				RB50#0	9.75	13	17.4	Pass
LTE Band 40b	10 MHz	MCH	QPSK	RB1#0	8.86	13	18.1	Pass
				RB50#0	8.91	13	18.2	Pass
			16-QAM	RB1#0	9.61	13	18.3	Pass
				RB50#0	9.75	13	18.4	Pass

Test Channel	Modulation	PCC RB		SCC RB		Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
		Size	Offset	Size	Offset				
CA_38C									
15MHz+15MHz									
Mid	QPSK	75	0	75	0	9.94	13	12.1	Pass
	16-QAM	75	0	75	0	10.50	13	12.2	Pass
20MHz+20MHz									
Mid	QPSK	100	0	100	0	9.80	13	12.3	Pass
	16-QAM	100	0	100	0	10.50	13	12.4	Pass

Test Channel	Modulation	PCC RB		SCC RB		Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
		Size	Offset	Size	Offset				
CA_41C									
5MHz+20MHz									
Mid	QPSK	25	0	100	0	9.70	13	11.1	Pass
	16-QAM	25	0	100	0	10.31	13	11.2	Pass
20MHz+5MHz									
Mid	QPSK	100	0	25	0	9.70	13	11.3	Pass
	16-QAM	100	0	25	0	10.36	13	11.4	Pass
10MHz+20MHz									
Mid	QPSK	50	0	100	0	9.70	13	11.5	Pass
	16-QAM	50	0	100	0	10.27	13	11.6	Pass
20MHz+10MHz									
Mid	QPSK	100	0	50	0	9.70	13	11.7	Pass
	16-QAM	100	0	50	0	10.31	13	11.8	Pass
15MHz+15MHz									
Mid	QPSK	75	0	75	0	9.98	13	11.9	Pass
	16-QAM	75	0	75	0	10.41	13	11.10	Pass
15MHz+20MHz									
Mid	QPSK	75	0	100	0	9.66	13	11.11	Pass
	16-QAM	75	0	100	0	10.31	13	11.12	Pass
20MHz+15MHz									
Mid	QPSK	100	0	75	0	9.66	13	11.13	Pass
	16-QAM	100	0	75	0	10.36	13	11.14	Pass
20MHz+20MHz									
Mid	QPSK	100	0	100	0	9.80	13	11.15	Pass
	16-QAM	100	0	100	0	10.22	13	11.16	Pass

Test Channel	Modulation	PCC RB		SCC RB		Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
		Size	Offset	Size	Offset				
CA_42C									
5MHz+20MHz									
Mid	QPSK	25	0	100	0	9.89	13	13.1	Pass
	16-QAM	25	0	100	0	10.50	13	13.2	Pass
20MHz+5MHz									
Mid	QPSK	100	0	25	0	9.47	13	13.3	Pass
	16-QAM	100	0	25	0	10.41	13	13.4	Pass
10MHz+20MHz									
Mid	QPSK	50	0	100	0	9.89	13	13.5	Pass
	16-QAM	50	0	100	0	10.45	13	13.6	Pass
20MHz+10MHz									
Mid	QPSK	100	0	50	0	9.94	13	13.7	Pass
	16-QAM	100	0	50	0	10.55	13	13.8	Pass
15MHz+20MHz									
Mid	QPSK	75	0	100	0	9.84	13	13.9	Pass
	16-QAM	75	0	100	0	10.59	13	13.10	Pass
20MHz+15MHz									
Mid	QPSK	100	0	75	0	9.84	13	13.11	Pass
	16-QAM	100	0	75	0	10.55	13	13.12	Pass
20MHz+20MHz									
Mid	QPSK	100	0	100	0	9.94	13	13.13	Pass
	16-QAM	100	0	100	0	10.59	13	13.14	Pass

A.3 Occupied Bandwidth

Note 1: All modes were tested, but only the typical data were reported in this report.

Note 2: Test plots please refer to the document “Annex No.: BL-EC2410592-501 Data Part 2.pdf”.

GSM and WCDMA Mode Test Data

Test Band	Test Channel	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
WCDMA Band 2	LCH	4.122	4.713	14.1
	MCH	4.114	4.721	14.2
	HCH	4.120	4.719	14.3
WCDMA Band 4	LCH	4.120	4.714	15.1
	MCH	4.124	4.728	15.2
	HCH	4.123	4.730	15.3
WCDMA Band 5	LCH	4.125	4.728	16.1
	MCH	4.120	4.716	16.2
	HCH	4.123	4.706	16.3

LTE Mode Test Data

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
Band 2	1.4 MHz	LCH	QPSK	RB6#0	1.083	1.233	1.1
			16-QAM	RB6#0	1.089	1.243	1.2
		MCH	QPSK	RB6#0	1.088	1.234	1.3
			16-QAM	RB6#0	1.082	1.224	1.4
		HCH	QPSK	RB6#0	1.089	1.223	1.5
			16-QAM	RB6#0	1.086	1.236	1.6
	3 MHz	LCH	QPSK	RB15#0	2.705	2.997	1.7
			16-QAM	RB15#0	2.702	3.002	1.8
		MCH	QPSK	RB15#0	2.709	2.996	1.9
			16-QAM	RB15#0	2.701	3.009	1.10
		HCH	QPSK	RB15#0	2.700	3.005	1.11
			16-QAM	RB15#0	2.698	3.009	1.12
	5 MHz	LCH	QPSK	RB25#0	4.513	4.981	1.13
			16-QAM	RB25#0	4.502	4.939	1.14
		MCH	QPSK	RB25#0	4.498	4.954	1.15
			16-QAM	RB25#0	4.504	4.966	1.16
		HCH	QPSK	RB25#0	4.500	4.957	1.17
			16-QAM	RB25#0	4.508	4.993	1.18
	10 MHz	LCH	QPSK	RB50#0	8.977	9.862	1.19
			16-QAM	RB50#0	8.981	9.804	1.20
		MCH	QPSK	RB50#0	8.952	9.838	1.21
			16-QAM	RB50#0	8.956	9.794	1.22
		HCH	QPSK	RB50#0	8.958	9.884	1.23
			16-QAM	RB50#0	8.972	9.872	1.24
	15 MHz	LCH	QPSK	RB75#0	13.464	14.796	1.25
			16-QAM	RB75#0	13.461	14.722	1.26
		MCH	QPSK	RB75#0	13.401	14.698	1.27
			16-QAM	RB75#0	13.422	14.691	1.28
		HCH	QPSK	RB75#0	13.424	14.782	1.29
			16-QAM	RB75#0	13.425	14.643	1.30
	20 MHz	LCH	QPSK	RB100#0	17.920	19.382	1.31
			16-QAM	RB100#0	17.938	19.487	1.32
		MCH	QPSK	RB100#0	17.852	19.350	1.33
			16-QAM	RB100#0	17.882	19.464	1.34
		HCH	QPSK	RB100#0	17.913	19.439	1.35
			16-QAM	RB100#0	17.899	19.446	1.36

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{†Note2}
Band 4	1.4 MHz	LCH	QPSK	RB6#0	1.083	1.234	2.1
			16-QAM	RB6#0	1.090	1.244	2.2
		MCH	QPSK	RB6#0	1.085	1.223	2.3
			16-QAM	RB6#0	1.086	1.230	2.4
		HCH	QPSK	RB6#0	1.082	1.224	2.5
			16-QAM	RB6#0	1.088	1.230	2.6
	3 MHz	LCH	QPSK	RB15#0	2.702	3.008	2.7
			16-QAM	RB15#0	2.701	2.992	2.8
		MCH	QPSK	RB15#0	2.708	2.996	2.9
			16-QAM	RB15#0	2.704	3.013	2.10
		HCH	QPSK	RB15#0	2.708	2.994	2.11
			16-QAM	RB15#0	2.697	3.000	2.12
	5 MHz	LCH	QPSK	RB25#0	4.504	4.951	2.13
			16-QAM	RB25#0	4.508	4.992	2.14
		MCH	QPSK	RB25#0	4.511	4.987	2.15
			16-QAM	RB25#0	4.504	4.969	2.16
		HCH	QPSK	RB25#0	4.495	4.955	2.17
			16-QAM	RB25#0	4.518	4.976	2.18
	10 MHz	LCH	QPSK	RB50#0	8.971	9.868	2.19
			16-QAM	RB50#0	8.968	9.848	2.20
		MCH	QPSK	RB50#0	8.991	9.897	2.21
			16-QAM	RB50#0	8.984	9.807	2.22
		HCH	QPSK	RB50#0	8.954	9.847	2.23
			16-QAM	RB50#0	8.957	9.791	2.24
	15 MHz	LCH	QPSK	RB75#0	13.430	14.721	2.25
			16-QAM	RB75#0	13.433	14.739	2.26
		MCH	QPSK	RB75#0	13.452	14.72	2.27
			16-QAM	RB75#0	13.448	14.686	2.28
		HCH	QPSK	RB75#0	13.419	14.68	2.29
			16-QAM	RB75#0	13.435	14.657	2.30
	20 MHz	LCH	QPSK	RB100#0	17.871	19.517	2.31
			16-QAM	RB100#0	17.856	19.424	2.32
		MCH	QPSK	RB100#0	17.911	19.395	2.33
			16-QAM	RB100#0	17.939	19.440	2.34
		HCH	QPSK	RB100#0	17.902	19.508	2.35
			16-QAM	RB100#0	17.917	19.490	2.36

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{+Note2}
Band 5	1.4 MHz	LCH	QPSK	RB6#0	1.089	1.222	3.1
			16-QAM	RB6#0	1.085	1.235	3.2
		MCH	QPSK	RB6#0	1.091	1.220	3.3
			16-QAM	RB6#0	1.085	1.243	3.4
		HCH	QPSK	RB6#0	1.085	1.231	3.5
			16-QAM	RB6#0	1.087	1.233	3.6
	3 MHz	LCH	QPSK	RB15#0	2.701	3.007	3.7
			16-QAM	RB15#0	2.696	3.002	3.8
		MCH	QPSK	RB15#0	2.703	2.996	3.9
			16-QAM	RB15#0	2.703	3.023	3.10
		HCH	QPSK	RB15#0	2.702	2.997	3.11
			16-QAM	RB15#0	2.700	3.001	3.12
	5 MHz	LCH	QPSK	RB25#0	4.504	4.989	3.13
			16-QAM	RB25#0	4.498	4.953	3.14
		MCH	QPSK	RB25#0	4.505	4.961	3.15
			16-QAM	RB25#0	4.497	4.971	3.16
		HCH	QPSK	RB25#0	4.500	4.929	3.17
			16-QAM	RB25#0	4.501	4.966	3.18
	10 MHz	LCH	QPSK	RB50#0	8.969	9.805	3.19
			16-QAM	RB50#0	8.974	9.791	3.20
		MCH	QPSK	RB50#0	8.959	9.800	3.21
			16-QAM	RB50#0	8.984	9.763	3.22
		HCH	QPSK	RB50#0	8.958	9.791	3.23
			16-QAM	RB50#0	8.962	9.823	3.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{+Note2}
Band 7	5 MHz	LCH	QPSK	RB25#0	4.515	4.995	4.1
			16-QAM	RB25#0	4.500	4.957	4.2
		MCH	QPSK	RB25#0	4.495	4.972	4.3
			16-QAM	RB25#0	4.519	4.972	4.4
		HCH	QPSK	RB25#0	4.491	4.960	4.5
			16-QAM	RB25#0	4.504	4.982	4.6
	10 MHz	LCH	QPSK	RB50#0	8.975	9.899	4.7
			16-QAM	RB50#0	8.984	9.807	4.8
		MCH	QPSK	RB50#0	8.956	9.838	4.9
			16-QAM	RB50#0	8.953	9.830	4.10
		HCH	QPSK	RB50#0	8.969	9.839	4.11
			16-QAM	RB50#0	8.955	9.844	4.12
	15 MHz	LCH	QPSK	RB75#0	13.457	14.746	4.13
			16-QAM	RB75#0	13.452	14.671	4.14
		MCH	QPSK	RB75#0	13.397	14.670	4.15
			16-QAM	RB75#0	13.421	14.648	4.16
		HCH	QPSK	RB75#0	13.435	14.680	4.17
			16-QAM	RB75#0	13.463	14.688	4.18
	20 MHz	LCH	QPSK	RB100#0	17.917	19.339	4.19
			16-QAM	RB100#0	17.940	19.450	4.20
		MCH	QPSK	RB100#0	17.834	19.350	4.21
			16-QAM	RB100#0	17.841	19.521	4.22
		HCH	QPSK	RB100#0	17.958	19.679	4.23
			16-QAM	RB100#0	17.945	19.573	4.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{+Note2}
Band 38	5 MHz	LCH	QPSK	RB25#0	4.502	4.995	6.1
			16-QAM	RB25#0	4.507	4.975	6.2
		MCH	QPSK	RB25#0	4.503	4.942	6.3
			16-QAM	RB25#0	4.496	4.974	6.4
		HCH	QPSK	RB25#0	4.496	4.957	6.5
			16-QAM	RB25#0	4.506	4.993	6.6
	10 MHz	LCH	QPSK	RB50#0	8.996	9.821	6.7
			16-QAM	RB50#0	8.970	9.838	6.8
		MCH	QPSK	RB50#0	8.986	9.894	6.9
			16-QAM	RB50#0	8.979	9.786	6.10
		HCH	QPSK	RB50#0	8.977	9.929	6.11
			16-QAM	RB50#0	8.944	9.796	6.12
	15 MHz	LCH	QPSK	RB75#0	13.468	14.733	6.13
			16-QAM	RB75#0	13.449	14.709	6.14
		MCH	QPSK	RB75#0	13.415	14.695	6.15
			16-QAM	RB75#0	13.493	14.756	6.16
		HCH	QPSK	RB75#0	13.390	14.700	6.17
			16-QAM	RB75#0	13.482	14.744	6.18
	20 MHz	LCH	QPSK	RB100#0	17.917	19.568	6.19
			16-QAM	RB100#0	17.893	19.537	6.20
		MCH	QPSK	RB100#0	17.944	19.435	6.21
			16-QAM	RB100#0	17.902	19.571	6.22
		HCH	QPSK	RB100#0	17.881	19.442	6.23
			16-QAM	RB100#0	17.894	19.503	6.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{+Note2}
Band 40a	5 MHz	LCH	QPSK	RB25#0	4.502	4.99	17.1
			16-QAM	RB25#0	4.504	4.974	17.2
		MCH	QPSK	RB25#0	4.506	4.946	17.3
			16-QAM	RB25#0	4.497	4.992	17.4
		HCH	QPSK	RB25#0	4.495	4.961	17.5
			16-QAM	RB25#0	4.508	5.000	17.6
	10 MHz	MCH	QPSK	RB50#0	8.983	9.873	17.7
			16-QAM	RB50#0	8.973	9.767	17.8
Band 40b	5 MHz	LCH	QPSK	RB25#0	4.505	5.094	18.1
			16-QAM	RB25#0	4.510	5.086	18.2
		MCH	QPSK	RB25#0	4.508	4.937	18.3
			16-QAM	RB25#0	4.497	4.974	18.4
		HCH	QPSK	RB25#0	4.498	4.996	18.5
			16-QAM	RB25#0	4.514	5.154	18.6
	10 MHz	MCH	QPSK	RB50#0	8.965	9.860	18.7
			16-QAM	RB50#0	8.968	9.779	18.8

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
Band 41	5 MHz	LCH	QPSK	RB25#0	4.506	5.116	7.1
			16-QAM	RB25#0	4.509	5.028	7.2
		MCH	QPSK	RB25#0	4.500	4.937	7.3
			16-QAM	RB25#0	4.495	4.973	7.4
		HCH	QPSK	RB25#0	4.497	4.985	7.5
			16-QAM	RB25#0	4.510	5.073	7.6
	10 MHz	LCH	QPSK	RB50#0	8.976	9.878	7.7
			16-QAM	RB50#0	8.975	9.779	7.8
		MCH	QPSK	RB50#0	8.978	9.922	7.9
			16-QAM	RB50#0	8.951	9.787	7.10
		HCH	QPSK	RB50#0	8.991	9.810	7.11
			16-QAM	RB50#0	8.966	9.822	7.12
	15 MHz	LCH	QPSK	RB75#0	13.441	14.673	7.13
			16-QAM	RB75#0	13.448	14.737	7.14
		MCH	QPSK	RB75#0	13.406	14.675	7.15
			16-QAM	RB75#0	13.484	14.733	7.16
		HCH	QPSK	RB75#0	13.399	14.675	7.17
			16-QAM	RB75#0	13.475	14.728	7.18
	20 MHz	LCH	QPSK	RB100#0	17.922	19.396	7.19
			16-QAM	RB100#0	17.871	19.502	7.20
		MCH	QPSK	RB100#0	17.875	19.447	7.21
			16-QAM	RB100#0	17.906	19.493	7.22
		HCH	QPSK	RB100#0	17.866	19.403	7.23
			16-QAM	RB100#0	17.843	19.361	7.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
Band 42(3450-3550MHz)	5 MHz	LCH	QPSK	RB25#0	4.50	5.015	8.1
			16-QAM	RB25#0	4.515	5.102	8.2
		MCH	QPSK	RB25#0	4.509	5.165	8.3
			16-QAM	RB25#0	4.510	5.010	8.4
		HCH	QPSK	RB25#0	4.510	4.952	8.5
			16-QAM	RB25#0	4.502	4.982	8.6
	10 MHz	LCH	QPSK	RB50#0	8.986	9.919	8.7
			16-QAM	RB50#0	8.981	9.808	8.8
		MCH	QPSK	RB50#0	8.964	9.933	8.9
			16-QAM	RB50#0	8.956	9.789	8.10
		HCH	QPSK	RB50#0	8.993	9.889	8.11
			16-QAM	RB50#0	8.972	9.850	8.12
	15 MHz	LCH	QPSK	RB75#0	13.471	14.733	8.13
			16-QAM	RB75#0	13.454	14.726	8.14
		MCH	QPSK	RB75#0	13.420	14.725	8.15
			16-QAM	RB75#0	13.490	14.750	8.16
		HCH	QPSK	RB75#0	13.413	14.688	8.17
			16-QAM	RB75#0	13.478	14.762	8.18
	20 MHz	LCH	QPSK	RB100#0	17.945	19.414	8.19
			16-QAM	RB100#0	17.934	19.515	8.20
		MCH	QPSK	RB100#0	17.927	19.558	8.21
			16-QAM	RB100#0	17.921	19.573	8.22
		HCH	QPSK	RB100#0	17.936	19.542	8.23
			16-QAM	RB100#0	17.903	19.516	8.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
Band 43(3450-3550MHz)	5 MHz	LCH	QPSK	RB25#0	4.499	5.004	9.1
			16-QAM	RB25#0	4.514	5.092	9.2
		MCH	QPSK	RB25#0	4.508	5.147	9.3
			16-QAM	RB25#0	4.510	5.003	9.4
		HCH	QPSK	RB25#0	4.510	4.962	9.5
			16-QAM	RB25#0	4.501	4.968	9.6
	10 MHz	LCH	QPSK	RB50#0	8.982	9.946	9.7
			16-QAM	RB50#0	8.980	9.813	9.8
		MCH	QPSK	RB50#0	8.980	9.950	9.9
			16-QAM	RB50#0	8.949	9.804	9.10
		HCH	QPSK	RB50#0	8.993	9.914	9.11
			16-QAM	RB50#0	8.972	9.854	9.12
	15 MHz	LCH	QPSK	RB75#0	13.480	14.737	9.13
			16-QAM	RB75#0	13.438	14.708	9.14
		MCH	QPSK	RB75#0	13.414	14.705	9.15
			16-QAM	RB75#0	13.494	14.803	9.16
		HCH	QPSK	RB75#0	13.409	14.737	9.17
			16-QAM	RB75#0	13.473	14.715	9.18
	20 MHz	LCH	QPSK	RB100#0	17.961	19.452	9.19
			16-QAM	RB100#0	17.906	19.546	9.20
		MCH	QPSK	RB100#0	17.904	19.455	9.21
			16-QAM	RB100#0	17.909	19.492	9.22
		HCH	QPSK	RB100#0	17.930	19.595	9.23
			16-QAM	RB100#0	17.908	19.507	9.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{+Note2}
Band 48	5 MHz	LCH	QPSK	RB25#0	4.513	5.145	10.1
			16-QAM	RB25#0	4.507	5.020	10.2
		MCH	QPSK	RB25#0	4.507	4.989	10.3
			16-QAM	RB25#0	4.500	4.968	10.4
		HCH	QPSK	RB25#0	4.500	4.993	10.5
			16-QAM	RB25#0	4.512	5.088	10.6
	10 MHz	LCH	QPSK	RB50#0	8.988	9.927	10.7
			16-QAM	RB50#0	8.983	9.786	10.8
		MCH	QPSK	RB50#0	8.964	9.948	10.9
			16-QAM	RB50#0	8.945	9.810	10.10
		HCH	QPSK	RB50#0	8.996	9.880	10.11
			16-QAM	RB50#0	8.972	9.834	10.12
	15 MHz	LCH	QPSK	RB75#0	13.536	14.478	10.13
			16-QAM	RB75#0	13.496	14.471	10.14
		MCH	QPSK	RB75#0	13.500	14.461	10.15
			16-QAM	RB75#0	13.517	14.513	10.16
		HCH	QPSK	RB75#0	13.475	14.463	10.17
			16-QAM	RB75#0	13.512	14.468	10.18
	20 MHz	LCH	QPSK	RB100#0	18.009	19.270	10.19
			16-QAM	RB100#0	17.958	19.464	10.20
		MCH	QPSK	RB100#0	17.948	19.313	10.21
			16-QAM	RB100#0	17.954	19.320	10.22
		HCH	QPSK	RB100#0	17.954	19.404	10.23
			16-QAM	RB100#0	17.937	19.326	10.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
Band 66	1.4 MHz	LCH	QPSK	RB6#0	1.095	1.229	5.1
			16-QAM	RB6#0	1.088	1.236	5.2
		MCH	QPSK	RB6#0	1.083	1.234	5.3
			16-QAM	RB6#0	1.088	1.228	5.4
		HCH	QPSK	RB6#0	1.088	1.236	5.5
			16-QAM	RB6#0	1.083	1.222	5.6
	3 MHz	LCH	QPSK	RB15#0	2.706	2.992	5.7
			16-QAM	RB15#0	2.706	2.999	5.8
		MCH	QPSK	RB15#0	2.698	2.988	5.9
			16-QAM	RB15#0	2.698	3.014	5.10
		HCH	QPSK	RB15#0	2.701	3.008	5.11
			16-QAM	RB15#0	2.699	3.006	5.12
	5 MHz	LCH	QPSK	RB25#0	4.511	4.995	5.13
			16-QAM	RB25#0	4.501	4.966	5.14
		MCH	QPSK	RB25#0	4.502	4.988	5.15
			16-QAM	RB25#0	4.505	4.983	5.16
		HCH	QPSK	RB25#0	4.494	4.951	5.17
			16-QAM	RB25#0	4.5	4.971	5.18
	10 MHz	LCH	QPSK	RB50#0	8.984	9.872	5.19
			16-QAM	RB50#0	8.985	9.785	5.20
		MCH	QPSK	RB50#0	8.960	9.860	5.21
			16-QAM	RB50#0	8.968	9.801	5.22
		HCH	QPSK	RB50#0	8.968	9.857	5.23
			16-QAM	RB50#0	8.958	9.835	5.24
	15 MHz	LCH	QPSK	RB75#0	13.439	14.726	5.25
			16-QAM	RB75#0	13.445	14.643	5.26
		MCH	QPSK	RB75#0	13.419	14.716	5.27
			16-QAM	RB75#0	13.446	14.659	5.28
		HCH	QPSK	RB75#0	13.429	14.788	5.29
			16-QAM	RB75#0	13.446	14.691	5.30
	20 MHz	LCH	QPSK	RB100#0	17.863	19.449	5.31
			16-QAM	RB100#0	17.874	19.307	5.32
		MCH	QPSK	RB100#0	17.906	19.466	5.33
			16-QAM	RB100#0	17.945	19.594	5.34
		HCH	QPSK	RB100#0	17.966	19.611	5.35
			16-QAM	RB100#0	17.930	19.511	5.36

Test Channel	Modulation	PCC RB		SCC RB		Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
		Size	Offset	Size	Offset			
CA_38C								
15MHz+15MHz								
Mid	QPSK	75	0	75	0	28.43	30.32	11.1
	16-QAM	75	0	75	0	28.45	30.34	11.2
20MHz+20MHz								
Mid	QPSK	100	0	100	0	37.75	40.10	11.3
	16-QAM	100	0	100	0	37.70	40.16	11.4

Test Channel	Modulation	PCC RB		SCC RB		Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
		Size	Offset	Size	Offset			
CA_41C								
5MHz+20MHz								
Mid	QPSK	25	0	100	0	23.04	24.53	12.1
	16-QAM	25	0	100	0	22.94	24.27	12.2
20MHz+5MHz								
Mid	QPSK	100	0	25	0	22.96	24.26	12.3
	16-QAM	100	0	25	0	22.9	24.26	12.4
10MHz+20MHz								
Mid	QPSK	50	0	100	0	27.87	29.6	12.5
	16-QAM	50	0	100	0	27.82	29.66	12.6
20MHz+10MHz								
Mid	QPSK	100	0	50	0	27.81	29.64	12.7
	16-QAM	100	0	50	0	27.78	29.56	12.8
15MHz+15MHz								
Mid	QPSK	75	0	75	0	28.4	30.27	12.9
	16-QAM	75	0	75	0	28.4	30.37	12.10
15MHz+20MHz								
Mid	QPSK	75	0	100	0	32.77	34.76	12.11
	16-QAM	75	0	100	0	32.66	34.8	12.12
20MHz+15MHz								
Mid	QPSK	100	0	75	0	32.63	34.74	12.13
	16-QAM	100	0	75	0	32.74	34.73	12.14
20MHz+20MHz								
Mid	QPSK	100	0	100	0	37.69	40.07	12.15
	16-QAM	100	0	100	0	37.64	40.16	12.16

Test Channel	Modulation	PCC RB		SCC RB		Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
		Size	Offset	Size	Offset			
CA_42C								
5MHz+20MHz								
Mid	QPSK	25	0	100	0	23.01	24.59	13.1
	16-QAM	25	0	100	0	22.91	24.27	13.2
20MHz+5MHz								
Mid	QPSK	100	0	25	0	23.02	24.54	13.3
	16-QAM	100	0	25	0	22.97	24.28	13.4
10MHz+20MHz								
Mid	QPSK	50	0	100	0	27.83	29.81	13.5
	16-QAM	50	0	100	0	27.81	29.59	13.6
20MHz+10MHz								
Mid	QPSK	100	0	50	0	27.85	29.71	13.7
	16-QAM	100	0	50	0	27.96	29.59	13.8
15MHz+20MHz								
Mid	QPSK	75	0	100	0	32.78	34.76	13.9
	16-QAM	75	0	100	0	32.65	34.86	13.10
20MHz+15MHz								
Mid	QPSK	100	0	75	0	32.73	34.88	13.11
	16-QAM	100	0	75	0	32.78	34.8	13.12
20MHz+20MHz								
Mid	QPSK	100	0	100	0	37.69	40.07	13.13
	16-QAM	100	0	100	0	37.66	40.16	13.14

A.4 Frequency Stability

WCDMA Band 2

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1852.4 MHz		MCH 1880 MHz		HCH 1907.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	12.82	±4631	12.54	±4700	11.19	±4769	Pass
	-20	11.37		12.90		10.54		
	-10	11.43		10.46		10.71		
	0	11.37		11.60		9.73		
	+10	12.33		11.95		9.12		
	+20	14.16		11.89		10.35		
	+25	12.50		11.68		10.59		
	+30	12.42		11.40		10.04		
	+40	13.10		11.32		9.69		
	+50	12.94		11.48		10.30		
	+60	11.87		11.41		9.69		
	+70	11.92		11.50		10.84		
13.2	+25	11.80		11.09		10.10		
10.8	+25	12.64		11.69		11.16		

WCDMA Band 4

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1712.4 MHz		MCH 1732.4 MHz		HCH 1752.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	10.68	±4281	5.39	±4331	-1.62	±4381.5	Pass
	-20	10.61		4.36		-1.74		
	-10	8.30		6.10		-1.27		
	0	8.89		5.89		-1.23		
	+10	9.11		5.36		-0.78		
	+20	9.87		4.56		-1.60		
	+25	9.12		5.15		-1.87		
	+30	9.06		4.91		-0.90		
	+40	8.23		5.70		-1.34		
	+50	8.13		5.29		-1.32		
	+60	8.60		4.61		-1.03		
	+70	8.77		6.39		-0.41		
13.2	+25	8.62		5.91		-0.92		
10.8	+25	8.33		4.22		-0.08		

WCDMA Band B5

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 826.4 MHz		MCH 836.4 MHz		HCH 846.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	1.21	±2066	0.09	±2091	-1.25	±2116.5	Pass
	-20	0.19		0.91		-0.38		
	-10	1.37		0.41		-1.27		
	0	0.96		-0.72		-1.22		
	+10	1.12		-0.11		-1.19		
	+20	0.65		-0.01		-0.51		
	+25	0.96		-0.27		-1.07		
	+30	1.04		-0.27		-1.80		
	+40	-0.48		0.17		-1.27		
	+50	0.18		-0.27		-0.97		
	+60	0.72		-0.42		-1.24		
	+70	-0.36		0.19		-0.46		
13.2	+25	0.24	0.01	-0.77				
10.8	+25	0.24	-0.11	-0.89				

LTE Band 2 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	1852.5 MHz		1880 MHz		1907.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	-3.36	±4631.25	12.38	±4700	2.15	±4768.75	Pass
	-20	-4.48		5.08		-1.14		
	-10	1.20		5.83		-3.36		
	0	-3.65		6.79		2.09		
	+10	-3.08		8.05		-6.13		
	+20	-2.21		10.53		-3.03		
	+25	-5.12		2.73		-6.78		
	+30	-2.13		8.11		-3.59		
	+40	0.17		11.23		-4.64		
	+50	-4.92		12.01		-0.93		
	+60	3.68		5.16		-5.66		
	+70	-3.20		3.14		2.10		
13.2	+25	1.91		8.02		0.26		
10.8	+25	-4.33		12.7		-2.00		

LTE Band 2 16QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	1852.5 MHz		1880 MHz		1907.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	6.15	±4631.25	15.83	±4700	2.43	±4768.75	Pass
	-20	3.54		14.68		1.37		
	-10	5.46		11.77		4.04		
	0	2.12		11.30		9.43		
	+10	10.58		15.34		2.10		
	+20	8.84		11.38		8.25		
	+25	1.90		9.77		0.66		
	+30	5.69		19.23		3.13		
	+40	10.34		17.04		0.73		
	+50	10.14		18.23		1.17		
	+60	2.56		17.12		6.36		
	+70	4.26		18.49		6.25		
13.2	+25	6.52		11.78		0.84		
10.8	+25	7.07		10.13		0.79		

LTE Band 4 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	1712.5 MHz		1732.5 MHz		1752.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	2.25	±4281.25	-1.48	±4331.25	9.58	±4381.25	Pass
	-20	-0.19		1.06		8.67		
	-10	8.08		2.65		7.55		
	0	5.21		-1.39		10.35		
	+10	-0.20		5.57		11.97		
	+20	9.59		-1.98		12.00		
	+25	-0.34		-2.19		7.07		
	+30	5.32		6.89		10.44		
	+40	2.76		3.90		15.84		
	+50	3.68		0.04		14.56		
	+60	7.82		4.64		13.09		
	+70	2.45		4.63		11.12		
13.2	+25	4.01		5.97		16.15		
10.8	+25	8.61		6.00		7.93		

LTE Band 4 16QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	1712.5 MHz		1732.5 MHz		1752.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	2.98	±4281.25	6.06	±4331.25	0.69	±4381.25	Pass
	-20	4.83		8.99		3.08		
	-10	4.97		4.85		-0.50		
	0	5.50		11.83		1.25		
	+10	8.12		13.20		1.98		
	+20	7.92		5.74		-3.68		
	+25	1.70		4.73		-3.69		
	+30	3.42		10.51		2.54		
	+40	4.87		7.49		1.41		
	+50	4.11		9.84		2.94		
	+60	3.65		13.85		8.72		
	+70	8.78		18.54		5.89		
13.2	+25	2.20		12.45		-3.12		
10.8	+25	10.91		12.77		0.14		

LTE Band 5 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	826.5 MHz		836.5 MHz		846.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	10.61	±2066.25	-1.25	±2091.25	6.76	±2116.25	Pass
	-20	8.13		3.57		10.66		
	-10	13.38		-2.61		8.01		
	0	8.58		-1.59		8.79		
	+10	9.99		-3.13		16.25		
	+20	3.93		-0.83		15.40		
	+25	3.71		-3.25		6.59		
	+30	9.21		6.00		15.73		
	+40	8.62		0.55		7.65		
	+50	11.13		-3.14		15.89		
	+60	12.19		-0.53		11.92		
	+70	8.82		4.02		9.83		
13.2	+25	7.88	-0.64	11.39				
10.8	+25	7.44	-2.39	11.94				

LTE Band 5 16QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	826.5 MHz		836.5 MHz		846.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	5.07	±2066.25	6.47	±2091.25	6.22	±2116.25	Pass
	-20	-0.63		-1.61		5.04		
	-10	-1.22		3.70		2.46		
	0	7.23		5.77		1.8		
	+10	0.93		5.52		6.88		
	+20	6.43		-1.56		3.83		
	+25	-2.37		-1.72		-0.34		
	+30	5.58		3.35		0.27		
	+40	7.12		1.96		6.36		
	+50	1.50		7.48		0.89		
	+60	-1.91		1.88		8.89		
	+70	5.38		9.97		1.76		
13.2	+25	5.61		-0.51		8.15		
10.8	+25	2.06		0.95		7.99		

LTE Band 7 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	2502.5 MHz		2535 MHz		2567.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	-2.47	±6256.25	9.46	±6337.5	6.19	±6418.75	Pass
	-20	-2.90		10.9		0.55		
	-10	-5.92		2.86		4.80		
	0	-7.66		3.14		4.33		
	+10	0.46		3.83		-0.49		
	+20	-0.34		6.29		5.29		
	+25	-9.03		0.99		-3.23		
	+30	-1.67		1.46		4.53		
	+40	-4.92		8.90		6.38		
	+50	-7.05		9.80		-0.36		
	+60	-8.82		6.17		-0.27		
	+70	-3.12		5.37		-2.42		
13.2	+25	-6.38		6.55		1.78		
10.8	+25	-0.53		3.17		3.12		

LTE Band 7 16QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	2502.5 MHz		2535 MHz		2567.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	6.81	±6256.25	-2.15	±6337.5	9.10	±6418.75	Pass
	-20	4.38		-1.62		6.60		
	-10	4.63		-1.68		6.29		
	0	-2.21		6.91		6.26		
	+10	5.31		-0.40		9.70		
	+20	-1.37		-2.09		7.89		
	+25	-2.32		-2.37		0.23		
	+30	-0.1		1.37		9.27		
	+40	3.26		0.12		3.22		
	+50	0.45		1.12		4.46		
	+60	4.62		4.56		14.89		
	+70	7.13		11.27		4.41		
13.2	+25	4.19		6.55		7.46		
10.8	+25	0.40		5.56		5.50		

LTE Band 38 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	2572.5 MHz		2595 MHz		2617.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	5.53	±6431.25	4.65	±6487.5	6.36	±6543.75	Pass
	-20	9.11		4.79		6.73		
	-10	10.01		0.49		7.28		
	0	11.67		3.12		14.89		
	+10	7.52		7.46		10.14		
	+20	12.69		0.50		14.35		
	+25	5.28		-1.47		4.98		
	+30	7.12		4.24		8.72		
	+40	8.84		2.79		10.26		
	+50	11.17		7.65		14.62		
	+60	10.68		8.37		5.49		
	+70	10.64		-0.34		13.17		
13.2	+25	8.24	±6431.25	1.59	±6487.5	5.72	±6543.75	Pass
10.8	+25	7.93		3.58		9.86		

LTE Band 38 16QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	2572.5 MHz		2595 MHz		2617.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	4.34	±6431.25	5.23	±6487.5	4.27	±6543.75	Pass
	-20	6.72		3.17		-0.89		
	-10	1.13		-1.10		-1.49		
	0	0.36		-2.70		2.35		
	+10	6.75		-1.70		-4.68		
	+20	-1.96		2.93		-0.92		
	+25	-2.95		-4.69		-5.01		
	+30	-1.86		0.48		-0.38		
	+40	4.42		-0.23		0.71		
	+50	-1.35		4.84		1.31		
	+60	5.00		-1.04		5.70		
	+70	0.47		1.90		2.79		
13.2	+25	1.68		1.99		-2.18		
10.8	+25	3.76		-0.70		1.44		

LTE Band 40a QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	2307.5 MHz		2310 MHz		2312.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	-3.79	±5768.75	4.99	±5775	5.75	±5781.25	Pass
	-20	1.79		18.92		9.72		
	-10	6.42		-0.71		-3.71		
	0	1.95		2.79		-6.38		
	+10	5.92		-0.26		-0.12		
	+20	7.61		5.51		-7.53		
	+25	-7.22		5.55		0.34		
	+30	2.85		15.66		6.75		
	+40	1.59		-1.43		-3.39		
	+50	1.40		-1.46		-1.70		
	+60	5.56		-1.90		0.98		
	+70	8.33		4.86		-1.80		
13.2	+25	7.83		2.63		3.94		
10.8	+25	-1.44		9.26		4.63		

LTE Band 40a 16QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	2307.5 MHz		2310 MHz		2312.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	0.64	±5768.75	6.60	±5775	4.86	±5781.25	Pass
	-20	0.15		-4.46		11.11		
	-10	11.58		6.52		3.00		
	0	6.69		10.51		6.21		
	+10	4.75		0.81		-2.3		
	+20	-4.22		10.89		10.24		
	+25	-5.51		4.82		1.79		
	+30	1.29		-5.53		10.73		
	+40	6.18		4.17		-1.61		
	+50	4.79		5.55		0.34		
	+60	4.54		2.94		0.13		
	+70	1.81		2.36		5.71		
13.2	+25	-1.58		2.49		3.52		
10.8	+25	-1.17		-0.56		3.66		

LTE Band 40b QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	2352.5 MHz		2355 MHz		2357.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	0.86	±5881.25	-0.28	±5887.5	7.09	±5893.75	Pass
	-20	0.19		15.06		9.99		
	-10	7.56		-0.93		6.83		
	0	-5.96		2.64		-6.28		
	+10	2.71		3.83		5.00		
	+20	2.20		0.80		12.58		
	+25	-4.13		0.43		1.75		
	+30	0.32		12.64		7.83		
	+40	3.91		1.46		0.26		
	+50	-1.19		3.22		-2.76		
	+60	0.39		2.05		0.89		
	+70	1.83		-3.22		5.31		
13.2	+25	-5.30		5.67		1.92		
10.8	+25	1.64		6.07		0.11		

LTE Band 40b 16QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	2352.5 MHz		2355 MHz		2357.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	-6.47	±5881.25	3.42	±5887.5	9.51	±5893.75	Pass
	-20	2.35		6.26		16.87		
	-10	7.49		8.87		-1.49		
	0	2.35		4.66		9.51		
	+10	4.28		-0.15		-7.49		
	+20	9.04		-4.06		4.28		
	+25	-5.72		-2.83		4.81		
	+30	-2.50		1.99		16.25		
	+40	3.46		6.13		-3.82		
	+50	0.66		3.96		0.78		
	+60	6.88		3.03		-4.33		
	+70	5.03		0.88		4.83		
13.2	+25	3.60		3.32	3.33			
10.8	+25	-3.30		1.66	7.74			

LTE Band 41 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	2498.5 MHz		2593 MHz		2687.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	3.73	±6246.25	11.94	±6482.5	0.73	±6718.75	Pass
	-20	4.58		7.47		1.08		
	-10	5.83		8.60		2.04		
	0	2.86		5.51		-5.89		
	+10	9.47		6.29		-2.09		
	+20	4.97		4.40		1.91		
	+25	0.09		2.17		-6.84		
	+30	2.81		10.87		-2.42		
	+40	1.34		7.64		-4.36		
	+50	7.56		8.41		2.35		
	+60	9.39		5.87		-6.33		
	+70	6.70		2.70		-3.75		
13.2	+25	8.30		8.92		-6.68		
10.8	+25	5.91		11.28		-6.69		

LTE Band 41 16QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	2498.5 MHz		2593 MHz		2687.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	13.27	±6246.25	8.39	±6482.5	-6.73	±6718.75	Pass
	-20	11.03		14.68		-3.31		
	-10	12.90		15.40		-6.52		
	0	9.81		10.82		-0.06		
	+10	15.41		8.61		-5.19		
	+20	12.65		13.62		-0.23		
	+25	5.94		7.01		-6.94		
	+30	11.68		16.78		-3.79		
	+40	14.05		14.89		-0.93		
	+50	13.56		20.00		0.53		
	+60	14.47		7.58		-2.86		
	+70	12.31		16.18		-6.27		
13.2	+25	15.61		15.16		-3.59		
10.8	+25	9.10		14.78		0.22		

LTE Band 42 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	3452.5 MHz		3500 MHz		3457.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	5.66	±8641.25	4.80	±8750	7.67	±8868.75	Pass
	-20	3.85		8.77		0.40		
	-10	10.18		9.25		4.34		
	0	1.98		2.55		2.37		
	+10	10.84		10.39		1.82		
	+20	1.46		1.79		8.16		
	+25	1.08		1.41		-0.31		
	+30	5.91		3.65		3.21		
	+40	9.92		3.38		4.52		
	+50	4.37		10.27		1.58		
	+60	6.36		2.01		7.46		
	+70	6.59		10.39		4.15		
13.2	+25	1.37		5.23		7.12		
10.8	+25	7.78		1.83		3.15		

LTE Band 42 16QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	3452.5 MHz		3500 MHz		3457.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	1.96	±8641.25	4.60	±8750	5.18	±8868.75	Pass
	-20	1.83		9.81		9.56		
	-10	6.49		13.37		9.88		
	0	4.12		7.53		8.31		
	+10	6.65		7.25		6.14		
	+20	7.35		4.07		2.25		
	+25	1.00		3.60		0.23		
	+30	9.11		4.21		0.69		
	+40	4.78		11.61		6.75		
	+50	9.56		20.41		3.13		
	+60	9.22		10.56		10.35		
	+70	3.43		16.27		5.63		
13.2	+25	2.50		10.91		4.25		
10.8	+25	6.54		6.10		8.78		

LTE Band 43 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	3702.5 MHz		3750 MHz		3797.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	9.07	±9256.25	15.85	±9375	10.90	±9493.75	Pass
	-20	3.04		19.08		9.51		
	-10	10.29		13.46		4.08		
	0	11.27		11.04		7.50		
	+10	10.58		11.24		4.20		
	+20	8.43		11.47		8.22		
	+25	1.48		10.35		1.57		
	+30	9.05		14.53		9.62		
	+40	2.16		19.50		3.60		
	+50	9.40		12.87		5.16		
	+60	1.95		12.38		2.63		
	+70	8.71		16.71		9.32		
13.2	+25	1.99		13.62		3.81		
10.8	+25	3.37		12.83		5.01		

LTE Band 43 16QAM 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	3702.5 MHz		3750 MHz		3797.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	-0.73	±9256.25	7.16	±9375	3.30	±9493.75	Pass
	-20	-0.59		9.05		4.90		
	-10	7.69		5.57		2.32		
	0	6.81		1.43		3.86		
	+10	0.76		10.38		2.59		
	+20	3.10		5.71		-3.26		
	+25	-0.87		0.90		-4.62		
	+30	4.17		2.05		0.29		
	+40	2.37		5.13		-4.32		
	+50	5.94		12.71		-0.65		
	+60	-0.53		9.16		8.65		
	+70	4.00		11.64		2.50		
13.2	+25	8.92		7.02		-4.37		
10.8	+25	1.02		7.70		1.02		

LTE Band 48 QPSK 10 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	3555 MHz		3625 MHz		3695 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	9.15	±8887.5	7.82	±9062.5	4.80	±9237.5	Pass
	-20	8.18		9.05		3.88		
	-10	6.89		7.40		-2.45		
	0	5.56		1.38		4.08		
	+10	6.68		7.71		4.25		
	+20	5.08		2.41		-3.16		
	+25	1.04		-0.52		-4.75		
	+30	6.55		6.17		2.95		
	+40	3.35		3.41		4.76		
	+50	7.03		5.39		-3.60		
	+60	10.43		5.25		-2.31		
	+70	10.74		1.66		-2.15		
13.2	+25	7.84		4.55		2.90		
10.8	+25	3.41		9.18		4.04		

LTE Band 48 16QAM 10 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	3555 MHz		3625 MHz		3695 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	7.31	±8887.5	-4.91	±9062.5	4.51	±9237.5	Pass
	-20	-0.31		3.08		-0.68		
	-10	7.51		-2.04		2.64		
	0	-0.77		-0.87		7.70		
	+10	1.64		-2.73		-0.75		
	+20	-1.94		-4.64		8.96		
	+25	-2.17		-5.67		-0.80		
	+30	6.50		0.28		2.97		
	+40	6.03		-1.90		4.80		
	+50	6.13		4.90		7.67		
	+60	-1.55		1.04		6.58		
	+70	4.00		4.07		4.40		
13.2	+25	1.26		3.74		5.81		
10.8	+25	6.79		-3.55		7.40		

LTE Band 66 QPSK 5 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	1712.5 MHz		1745 MHz		1777.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	1.28	±4281.25	6.68	±4362.5	6.97	±4443.75	Pass
	-20	5.53		9.5		9.04		
	-10	-2.26		7.39		7.56		
	0	-3.86		11.88		8.47		
	+10	-1.70		8.20		11.53		
	+20	-3.02		8.90		15.27		
	+25	-4.01		5.65		5.81		
	+30	0.03		9.89		8.01		
	+40	-0.87		13.89		12.97		
	+50	2.36		7.43		12.39		
	+60	3.32		12.94		11.13		
	+70	1.72		6.39		12.97		
13.2	+25	0.80		14.48		7.28		
10.8	+25	-2.42		13.04		6.22		

LTE Band 66 16QAM 10 MHz

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	1712.5 MHz		1745 MHz		1777.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
12	-30	2.91	±4281.25	8.73	±4362.5	10.00	±4443.75	Pass
	-20	-2.61		7.35		9.10		
	-10	5.63		14.04		4.61		
	0	-0.87		7.24		10.68		
	+10	1.78		11.56		7.35		
	+20	5.52		14.92		9.85		
	+25	-3.89		5.42		3.32		
	+30	-0.80		8.45		4.43		
	+40	-1.10		13.98		4.66		
	+50	3.20		15.05		4.87		
	+60	-0.45		13.87		5.61		
	+70	1.88		15.17		11.55		
13.2	+25	1.11		7.94		5.74		
10.8	+25	0.97		8.19		10.55		

CA_38C QPSK 15MHz+15MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2587.5 MHz		SCC MCH 2602.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	-3.05	±6,468.75	10.97	±6,506.25	Pass
	-20	-4.61		9.85		
	-10	2.73		7.70		
	0	-1.9		11.77		
	+10	-4.76		8.27		
	+20	-1.09		13.12		
	+25	-5.71		4.52		
	+30	3.48		5.81		
	+40	1.31		13.10		
	+50	1.65		14.10		
	+60	-0.62		10.18		
	+70	-2.19		13.54		
13.2	+25	-3.42	±6,468.75	12.30	±6,506.25	Pass
10.8	+25	-2.43		10.86		

CA_38C 16QAM 15MHz+15MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2587.5 MHz		SCC MCH 2602.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	10.31	±6,468.75	3.30	±6,506.25	Pass
	-20	7.06		2.98		
	-10	7.05		0.72		
	0	14.38		7.97		
	+10	9.46		4.18		
	+20	8.01		2.69		
	+25	4.54		-1.69		
	+30	8.94		7.70		
	+40	13.7		2.07		
	+50	4.92		2.67		
	+60	11.51		5.19		
	+70	12.01		5.89		
13.2	+25	6.62	±6,468.75	7.61	±6,506.25	Pass
10.8	+25	13.85		0.82		

CA_38C QPSK 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2585.1 MHz		SCC MCH 2604.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	3.52	±6,462.75	-3.79	±6,512.25	Pass
	-20	4.04		0.88		
	-10	1.12		-0.82		
	0	0.87		3.09		
	+10	4.67		0.34		
	+20	5.92		3.99		
	+25	0.18		-5.41		
	+30	1.39		-1.58		
	+40	5.96		3.56		
	+50	2.21		4.09		
	+60	3.07		-5.23		
	+70	4.45		4.38		
13.2	+25	0.55	±6,462.75	-1.66	±6,512.25	Pass
10.8	+25	2.45		-1.03		

CA_38C 16QAM 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2585.1 MHz		SCC MCH 2604.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	7.89	±6,462.75	5.99	±6,512.25	Pass
	-20	15.05		4.38		
	-10	13.03		2.82		
	0	10.28		10.19		
	+10	12.67		10.82		
	+20	9.51		10.56		
	+25	6.60		2.04		
	+30	9.18		10.9		
	+40	11.06		6.43		
	+50	15.11		10.76		
	+60	14.15		8.33		
	+70	13.19		17.34		
13.2	+25	8.19		6.49		
10.8	+25	9.92		7.46		

CA_41C QPSK 20MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2590.5 MHz		SCC MCH 2602.2 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	1.27	±6,476.25	0.90	±6,505.5	Pass
	-20	2.30		2.19		
	-10	4.70		3.72		
	0	6.00		0.27		
	+10	0.14		8.47		
	+20	1.16		0.22		
	+25	0.08		-0.29		
	+30	8.86		0.41		
	+40	4.68		7.79		
	+50	0.96		8.11		
	+60	6.65		0.55		
	+70	2.57		0.86		
13.2	+25	0.13		1.72		
10.8	+25	6.22		5.93		

CA_41C 16QAM 20MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2590.5 MHz		SCC MCH 2602.2 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	7.38	±6,476.25	8.49	±6,505.5	Pass
	-20	7.54		5.74		
	-10	14.95		13.56		
	0	15.22		7.85		
	+10	13.43		7.06		
	+20	16.76		8.28		
	+25	7.11		4.61		
	+30	11.12		13.83		
	+40	7.77		14.04		
	+50	9.02		22.29		
	+60	10.52		11.66		
	+70	9.03		12.45		
13.2	+25	16.15		12.06		
10.8	+25	9.04		10.45		

CA_41C QPSK 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2583.1 MHz		SCC MCH 2602.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	25.03	±6,457.75	52.33	±6,507.25	Pass
	-20	33.02		43.13		
	-10	32.27		45.55		
	0	32.83		45.48		
	+10	27.93		47.29		
	+20	33.67		51.51		
	+25	25.00		42.79		
	+30	25.90		47.72		
	+40	34.20		49.84		
	+50	28.91		53.50		
	+60	29.78		44.22		
	+70	26.75		47.06		
13.2	+25	25.03		47.27		
10.8	+25	29.03		52.31		

CA_41C 16QAM 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2583.1 MHz		SCC MCH 2602.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	46.59	±6,457.75	-51.89	±6,507.25	Pass
	-20	49.41		-52.23		
	-10	41.96		-51.60		
	0	44.42		-52.40		
	+10	42.47		-52.22		
	+20	49.51		-51.51		
	+25	41.86		-50.63		
	+30	46.23		-54.67		
	+40	43.61		-51.28		
	+50	49.25		-50.89		
	+60	48.50		-52.19		
	+70	42.76		-52.01		
13.2	+25	47.70	-49.93			
10.8	+25	44.98	-51.67			

CA_42C QPSK 20MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 3497.9 MHz		SCC MCH 3509.6 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	5.53	±8744.75	6.40	±8774.06	Pass
	-20	4.10		9.79		
	-10	7.43		10.64		
	0	3.79		4.89		
	+10	6.98		4.13		
	+20	8.40		4.16		
	+25	-0.01		2.66		
	+30	8.15		9.89		
	+40	7.82		10.27		
	+50	0.35		9.09		
	+60	7.86		12.53		
	+70	9.87		7.19		
13.2	+25	8.59		6.25		
10.8	+25	7.73		12.52		

CA_42C 16QAM 20MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 3497.9 MHz		SCC MCH 3509.6 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	3.02	±8744.75	3.22	±8774.06	Pass
	-20	7.97		7.94		
	-10	11.16		2.97		
	0	9.26		6.16		
	+10	1.53		0.78		
	+20	2.44		-1.45		
	+25	1.18		-1.50		
	+30	1.50		1.90		
	+40	4.25		7.27		
	+50	4.89		11.57		
	+60	3.47		6.84		
	+70	6.86		13.78		
13.2	+25	8.18		6.99		
10.8	+25	8.76		3.69		

CA_42C QPSK 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 3490.1 MHz		SCC MCH 3509.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	5.81	±8725.25	10.50	±8774.75	Pass
	-20	-2.37		11.47		
	-10	1.07		10.93		
	0	0.38		3.93		
	+10	3.48		6.26		
	+20	-1.87		9.57		
	+25	-3.67		3.13		
	+30	-2.35		12.97		
	+40	3.03		7.07		
	+50	-0.88		3.21		
	+60	6.03		8.64		
	+70	3.79		12.01		
13.2	+25	-2.4		5.77		
10.8	+25	-2.15		10.83		

CA_42C 16QAM 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 3490.1 MHz		SCC MCH 3509.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
12	-30	2.84	±8725.25	12.76	±8774.75	Pass
	-20	4.48		10.72		
	-10	5.41		9.17		
	0	2.34		4.92		
	+10	-0.69		5.08		
	+20	7.48		7.44		
	+25	-1.24		3.82		
	+30	0.36		8.14		
	+40	4.77		5.41		
	+50	6.17		12.54		
	+60	1.66		12.67		
	+70	1.93		22.39		
13.2	+25	-0.53		5.80		
10.8	+25	0.27		6.16		

A.5 Spurious Emission at Antenna Terminals

Note 1: GSM and EGPRS modes have been verified, and only the worst data with different bandwidth for LTE are shown here.

Note 2: The frequencies of verdict which are marked by "N/A" should be ignored because they are UE carrier frequency.

Note 3: Test plots please refer to the document “Annex No.: BL-EC2410592-501 Data Part 3.pdf”.

Note 4: The disturbance above 26.5GHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

WCDMA Mode Test Verdict

Test Band	Test Channel	Refer to Plot ^{Note3}	Verdict
WCDMA Band 2	LCH	14.1	Pass
	MCH	14.2	Pass
	HCH	14.3	Pass
WCDMA Band 4	LCH	15.1	Pass
	MCH	15.2	Pass
	HCH	15.3	Pass
WCDMA Band 5	LCH	16.1	Pass
	MCH	16.2	Pass
	HCH	16.3	Pass

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 2	1.4 MHz	LCH	QPSK	RB1#0	1.1	Pass
			16-QAM	RB1#0	1.2	Pass
		MCH	QPSK	RB1#0	1.3	Pass
			16-QAM	RB1#0	1.4	Pass
		HCH	QPSK	RB1#0	1.5	Pass
			16-QAM	RB1#0	1.6	Pass
	3 MHz	LCH	QPSK	RB1#0	1.7	Pass
			16-QAM	RB1#0	1.8	Pass
		MCH	QPSK	RB1#0	1.9	Pass
			16-QAM	RB1#0	1.10	Pass
		HCH	QPSK	RB1#0	1.11	Pass
			16-QAM	RB1#0	1.12	Pass
	5 MHz	LCH	QPSK	RB1#0	1.13	Pass
			16-QAM	RB1#0	1.14	Pass
		MCH	QPSK	RB1#0	1.15	Pass
			16-QAM	RB1#0	1.16	Pass
		HCH	QPSK	RB1#0	1.17	Pass
			16-QAM	RB1#0	1.18	Pass
	10 MHz	LCH	QPSK	RB1#0	1.19	Pass
			16-QAM	RB1#0	1.20	Pass
		MCH	QPSK	RB1#0	1.21	Pass
			16-QAM	RB1#0	1.22	Pass
		HCH	QPSK	RB1#0	1.23	Pass
			16-QAM	RB1#0	1.24	Pass
	15 MHz	LCH	QPSK	RB1#0	1.25	Pass
			16-QAM	RB1#0	1.26	Pass
		MCH	QPSK	RB1#0	1.27	Pass
			16-QAM	RB1#0	1.28	Pass
		HCH	QPSK	RB1#0	1.29	Pass
			16-QAM	RB1#0	1.30	Pass
	20 MHz	LCH	QPSK	RB1#0	1.31	Pass
			16-QAM	RB1#0	1.32	Pass
		MCH	QPSK	RB1#0	1.33	Pass
			16-QAM	RB1#0	1.34	Pass
		HCH	QPSK	RB1#0	1.35	Pass
			16-QAM	RB1#0	1.36	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 4	1.4 MHz	LCH	QPSK	RB1#0	2.1	Pass
			16-QAM	RB1#0	2.2	Pass
		MCH	QPSK	RB1#0	2.3	Pass
			16-QAM	RB1#0	2.4	Pass
		HCH	QPSK	RB1#0	2.5	Pass
			16-QAM	RB1#0	2.6	Pass
	3 MHz	LCH	QPSK	RB1#0	2.7	Pass
			16-QAM	RB1#0	2.8	Pass
		MCH	QPSK	RB1#0	2.9	Pass
			16-QAM	RB1#0	2.10	Pass
		HCH	QPSK	RB1#0	2.11	Pass
			16-QAM	RB1#0	2.12	Pass
	5 MHz	LCH	QPSK	RB1#0	2.13	Pass
			16-QAM	RB1#0	2.14	Pass
		MCH	QPSK	RB1#0	2.15	Pass
			16-QAM	RB1#0	2.16	Pass
		HCH	QPSK	RB1#0	2.17	Pass
			16-QAM	RB1#0	2.18	Pass
	10 MHz	LCH	QPSK	RB1#0	2.19	Pass
			16-QAM	RB1#0	2.20	Pass
		MCH	QPSK	RB1#0	2.21	Pass
			16-QAM	RB1#0	2.22	Pass
		HCH	QPSK	RB1#0	2.23	Pass
			16-QAM	RB1#0	2.24	Pass
	15 MHz	LCH	QPSK	RB1#0	2.25	Pass
			16-QAM	RB1#0	2.26	Pass
		MCH	QPSK	RB1#0	2.27	Pass
			16-QAM	RB1#0	2.28	Pass
		HCH	QPSK	RB1#0	2.29	Pass
			16-QAM	RB1#0	2.30	Pass
	20 MHz	LCH	QPSK	RB1#0	2.31	Pass
			16-QAM	RB1#0	2.32	Pass
		MCH	QPSK	RB1#0	2.33	Pass
			16-QAM	RB1#0	2.34	Pass
		HCH	QPSK	RB1#0	2.35	Pass
			16-QAM	RB1#0	2.36	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 5	1.4 MHz	LCH	QPSK	RB1#0	3.1	Pass
			16-QAM	RB1#0	3.2	Pass
		MCH	QPSK	RB1#0	3.3	Pass
			16-QAM	RB1#0	3.4	Pass
		HCH	QPSK	RB1#0	3.5	Pass
			16-QAM	RB1#0	3.6	Pass
	3 MHz	LCH	QPSK	RB1#0	3.7	Pass
			16-QAM	RB1#0	3.8	Pass
		MCH	QPSK	RB1#0	3.9	Pass
			16-QAM	RB1#0	3.10	Pass
		HCH	QPSK	RB1#0	3.11	Pass
			16-QAM	RB1#0	3.12	Pass
	5 MHz	LCH	QPSK	RB1#0	3.13	Pass
			16-QAM	RB1#0	3.14	Pass
		MCH	QPSK	RB1#0	3.15	Pass
			16-QAM	RB1#0	3.16	Pass
		HCH	QPSK	RB1#0	3.17	Pass
			16-QAM	RB1#0	3.18	Pass
	10 MHz	LCH	QPSK	RB1#0	3.19	Pass
			16-QAM	RB1#0	3.20	Pass
		MCH	QPSK	RB1#0	3.21	Pass
			16-QAM	RB1#0	3.22	Pass
		HCH	QPSK	RB1#0	3.23	Pass
			16-QAM	RB1#0	3.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 7	5 MHz	LCH	QPSK	RB1#0	4.1	Pass
			16-QAM	RB1#0	4.2	Pass
		MCH	QPSK	RB1#0	4.3	Pass
			16-QAM	RB1#0	4.4	Pass
		HCH	QPSK	RB1#0	4.5	Pass
			16-QAM	RB1#0	4.6	Pass
	10 MHz	LCH	QPSK	RB1#0	4.7	Pass
			16-QAM	RB1#0	4.8	Pass
		MCH	QPSK	RB1#0	4.9	Pass
			16-QAM	RB1#0	4.10	Pass
		HCH	QPSK	RB1#0	4.11	Pass
			16-QAM	RB1#0	4.12	Pass
	15 MHz	LCH	QPSK	RB1#0	4.13	Pass
			16-QAM	RB1#0	4.14	Pass
		MCH	QPSK	RB1#0	4.15	Pass
			16-QAM	RB1#0	4.16	Pass
		HCH	QPSK	RB1#0	4.17	Pass
			16-QAM	RB1#0	4.18	Pass
	20 MHz	LCH	QPSK	RB1#0	4.19	Pass
			16-QAM	RB1#0	4.20	Pass
		MCH	QPSK	RB1#0	4.21	Pass
			16-QAM	RB1#0	4.22	Pass
		HCH	QPSK	RB1#0	4.23	Pass
			16-QAM	RB1#0	4.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 66	1.4 MHz	LCH	QPSK	RB1#0	5.1	Pass
			16-QAM	RB1#0	5.2	Pass
		MCH	QPSK	RB1#0	5.3	Pass
			16-QAM	RB1#0	5.4	Pass
		HCH	QPSK	RB1#0	5.5	Pass
			16-QAM	RB1#0	5.6	Pass
	3 MHz	LCH	QPSK	RB1#0	5.7	Pass
			16-QAM	RB1#0	5.8	Pass
		MCH	QPSK	RB1#0	5.9	Pass
			16-QAM	RB1#0	5.10	Pass
		HCH	QPSK	RB1#0	5.11	Pass
			16-QAM	RB1#0	5.12	Pass
	5 MHz	LCH	QPSK	RB1#0	5.13	Pass
			16-QAM	RB1#0	5.14	Pass
		MCH	QPSK	RB1#0	5.15	Pass
			16-QAM	RB1#0	5.16	Pass
		HCH	QPSK	RB1#0	5.17	Pass
			16-QAM	RB1#0	5.18	Pass
	10 MHz	LCH	QPSK	RB1#0	5.19	Pass
			16-QAM	RB1#0	5.20	Pass
		MCH	QPSK	RB1#0	5.21	Pass
			16-QAM	RB1#0	5.22	Pass
		HCH	QPSK	RB1#0	5.23	Pass
			16-QAM	RB1#0	5.24	Pass
	15 MHz	LCH	QPSK	RB1#0	5.25	Pass
			16-QAM	RB1#0	5.26	Pass
		MCH	QPSK	RB1#0	5.27	Pass
			16-QAM	RB1#0	5.28	Pass
		HCH	QPSK	RB1#0	5.29	Pass
			16-QAM	RB1#0	5.30	Pass
	20 MHz	LCH	QPSK	RB1#0	5.31	Pass
			16-QAM	RB1#0	5.32	Pass
		MCH	QPSK	RB1#0	5.33	Pass
			16-QAM	RB1#0	5.34	Pass
		HCH	QPSK	RB1#0	5.35	Pass
			16-QAM	RB1#0	5.36	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 38	5 MHz	LCH	QPSK	RB1#0	6.1	Pass
			16-QAM	RB1#0	6.2	Pass
		MCH	QPSK	RB1#0	6.3	Pass
			16-QAM	RB1#0	6.4	Pass
		HCH	QPSK	RB1#0	6.5	Pass
			16-QAM	RB1#0	6.6	Pass
	10 MHz	LCH	QPSK	RB1#0	6.7	Pass
			16-QAM	RB1#0	6.8	Pass
		MCH	QPSK	RB1#0	6.9	Pass
			16-QAM	RB1#0	6.10	Pass
		HCH	QPSK	RB1#0	6.11	Pass
			16-QAM	RB1#0	6.12	Pass
	15 MHz	LCH	QPSK	RB1#0	6.13	Pass
			16-QAM	RB1#0	6.14	Pass
		MCH	QPSK	RB1#0	6.15	Pass
			16-QAM	RB1#0	6.16	Pass
		HCH	QPSK	RB1#0	6.17	Pass
			16-QAM	RB1#0	6.18	Pass
	20 MHz	LCH	QPSK	RB1#0	6.19	Pass
			16-QAM	RB1#0	6.20	Pass
		MCH	QPSK	RB1#0	6.21	Pass
			16-QAM	RB1#0	6.22	Pass
		HCH	QPSK	RB1#0	6.23	Pass
			16-QAM	RB1#0	6.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 40a	5 MHz	LCH	QPSK	RB1#0	17.1	Pass
			16-QAM	RB1#0	17.2	Pass
		MCH	QPSK	RB1#0	17.3	Pass
			16-QAM	RB1#0	17.4	Pass
		HCH	QPSK	RB1#0	17.5	Pass
			16-QAM	RB1#0	17.6	Pass
	10 MHz	MCH	QPSK	RB1#0	17.7	Pass
			16-QAM	RB1#0	17.8	Pass
Band 40b	5 MHz	LCH	QPSK	RB1#0	18.1	Pass
			16-QAM	RB1#0	18.2	Pass
		MCH	QPSK	RB1#0	18.3	Pass
			16-QAM	RB1#0	18.4	Pass
		HCH	QPSK	RB1#0	18.5	Pass
			16-QAM	RB1#0	18.6	Pass
	10 MHz	MCH	QPSK	RB1#0	18.7	Pass
			16-QAM	RB1#0	18.8	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 41	5 MHz	LCH	QPSK	RB1#0	7.1	Pass
			16-QAM	RB1#0	7.2	Pass
		MCH	QPSK	RB1#0	7.3	Pass
			16-QAM	RB1#0	7.4	Pass
		HCH	QPSK	RB1#0	7.5	Pass
			16-QAM	RB1#0	7.6	Pass
	10 MHz	LCH	QPSK	RB1#0	7.7	Pass
			16-QAM	RB1#0	7.8	Pass
		MCH	QPSK	RB1#0	7.9	Pass
			16-QAM	RB1#0	7.10	Pass
		HCH	QPSK	RB1#0	7.11	Pass
			16-QAM	RB1#0	7.12	Pass
	15 MHz	LCH	QPSK	RB1#0	7.13	Pass
			16-QAM	RB1#0	7.14	Pass
		MCH	QPSK	RB1#0	7.15	Pass
			16-QAM	RB1#0	7.16	Pass
		HCH	QPSK	RB1#0	7.17	Pass
			16-QAM	RB1#0	7.18	Pass
	20 MHz	LCH	QPSK	RB1#0	7.19	Pass
			16-QAM	RB1#0	7.20	Pass
		MCH	QPSK	RB1#0	7.21	Pass
			16-QAM	RB1#0	7.22	Pass
		HCH	QPSK	RB1#0	7.23	Pass
			16-QAM	RB1#0	7.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 42(3450-3550MHz)	5 MHz	LCH	QPSK	RB1#0	8.1	Pass
			16-QAM	RB1#0	8.2	Pass
		MCH	QPSK	RB1#0	8.3	Pass
			16-QAM	RB1#0	8.4	Pass
		HCH	QPSK	RB1#0	8.5	Pass
			16-QAM	RB1#0	8.6	Pass
	10 MHz	LCH	QPSK	RB1#0	8.7	Pass
			16-QAM	RB1#0	8.8	Pass
		MCH	QPSK	RB1#0	8.9	Pass
			16-QAM	RB1#0	8.10	Pass
		HCH	QPSK	RB1#0	8.11	Pass
			16-QAM	RB1#0	8.12	Pass
	15 MHz	LCH	QPSK	RB1#0	8.13	Pass
			16-QAM	RB1#0	8.14	Pass
		MCH	QPSK	RB1#0	8.15	Pass
			16-QAM	RB1#0	8.16	Pass
		HCH	QPSK	RB1#0	8.17	Pass
			16-QAM	RB1#0	8.18	Pass
	20 MHz	LCH	QPSK	RB1#0	8.19	Pass
			16-QAM	RB1#0	8.20	Pass
		MCH	QPSK	RB1#0	8.21	Pass
			16-QAM	RB1#0	8.22	Pass
		HCH	QPSK	RB1#0	8.23	Pass
			16-QAM	RB1#0	8.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 43(3700-3800 MHz)	5 MHz	LCH	QPSK	RB1#0	9.1	Pass
			16-QAM	RB1#0	9.2	Pass
		MCH	QPSK	RB1#0	9.3	Pass
			16-QAM	RB1#0	9.4	Pass
		HCH	QPSK	RB1#0	9.5	Pass
			16-QAM	RB1#0	9.6	Pass
	10 MHz	LCH	QPSK	RB1#0	9.7	Pass
			16-QAM	RB1#0	9.8	Pass
		MCH	QPSK	RB1#0	9.9	Pass
			16-QAM	RB1#0	9.10	Pass
		HCH	QPSK	RB1#0	9.11	Pass
			16-QAM	RB1#0	9.12	Pass
	15 MHz	LCH	QPSK	RB1#0	9.13	Pass
			16-QAM	RB1#0	9.14	Pass
		MCH	QPSK	RB1#0	9.15	Pass
			16-QAM	RB1#0	9.16	Pass
		HCH	QPSK	RB1#0	9.17	Pass
			16-QAM	RB1#0	9.18	Pass
	20 MHz	LCH	QPSK	RB1#0	9.19	Pass
			16-QAM	RB1#0	9.20	Pass
		MCH	QPSK	RB1#0	9.21	Pass
			16-QAM	RB1#0	9.22	Pass
		HCH	QPSK	RB1#0	9.23	Pass
			16-QAM	RB1#0	9.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 48	5 MHz	LCH	QPSK	RB1#0	10.1	Pass
			16-QAM	RB1#0	10.2	Pass
		MCH	QPSK	RB1#0	10.3	Pass
			16-QAM	RB1#0	10.4	Pass
		HCH	QPSK	RB1#0	10.5	Pass
			16-QAM	RB1#0	10.6	Pass
	10 MHz	LCH	QPSK	RB1#0	10.7	Pass
			16-QAM	RB1#0	10.8	Pass
		MCH	QPSK	RB1#0	10.9	Pass
			16-QAM	RB1#0	10.10	Pass
		HCH	QPSK	RB1#0	10.11	Pass
			16-QAM	RB1#0	10.12	Pass
	15 MHz	LCH	QPSK	RB1#0	10.13	Pass
			16-QAM	RB1#0	10.14	Pass
		MCH	QPSK	RB1#0	10.15	Pass
			16-QAM	RB1#0	10.16	Pass
		HCH	QPSK	RB1#0	10.17	Pass
			16-QAM	RB1#0	10.18	Pass
	20 MHz	LCH	QPSK	RB1#0	10.19	Pass
			16-QAM	RB1#0	10.20	Pass
		MCH	QPSK	RB1#0	10.21	Pass
			16-QAM	RB1#0	10.22	Pass
		HCH	QPSK	RB1#0	10.23	Pass
			16-QAM	RB1#0	10.24	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note2}	Verdict
		Size	Offset	Size	Offset		
CA_38C							
15MHz+15MHz							
Low	QPSK	1	0	1	74	13.1	Pass
		75	0	75	0	13.2	Pass
	16-QAM	1	0	1	74	13.3	Pass
		75	0	75	0	13.4	Pass
Mid	QPSK	1	0	1	74	13.5	Pass
		75	0	75	0	13.6	Pass
	16-QAM	1	0	1	74	13.7	Pass
		75	0	75	0	13.8	Pass
High	QPSK	1	0	1	74	13.9	Pass
		75	0	75	0	13.10	Pass
	16-QAM	1	0	1	74	13.11	Pass
		75	0	75	0	13.12	Pass
Low	QPSK	1	0	1	99	13.13	Pass
		100	0	100	0	13.14	Pass
	16-QAM	1	0	1	99	13.15	Pass
		100	0	100	0	13.16	Pass
Mid	QPSK	1	0	1	99	13.17	Pass
		100	0	100	0	13.18	Pass
	16-QAM	1	0	1	99	13.19	Pass
		100	0	100	0	13.20	Pass
High	QPSK	1	0	1	99	13.21	Pass
		100	0	100	0	13.22	Pass
	16-QAM	1	0	1	99	13.23	Pass
		100	0	100	0	13.24	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note2}	Verdict
		Size	Offset	Size	Offset		
CA_41C							
20MHz+5MHz							
Low	QPSK	1	0	1	24	11.1	Pass
		100	0	25	0	11.2	Pass
	16-QAM	1	0	1	24	11.3	Pass
		100	0	25	0	11.4	Pass
Mid	QPSK	1	0	1	24	11.5	Pass
		100	0	25	0	11.6	Pass
	16-QAM	1	0	1	24	11.7	Pass
		100	0	25	0	11.8	Pass
High	QPSK	1	0	1	24	11.9	Pass
		100	0	25	0	11.10	Pass
	16-QAM	1	0	1	24	11.11	Pass
		100	0	25	0	11.12	Pass
20MHz+20MHz							
Low	QPSK	1	0	1	99	11.13	Pass
		100	0	100	0	11.14	Pass
	16-QAM	1	0	1	99	11.15	Pass
		100	0	100	0	11.16	Pass
Mid	QPSK	1	0	1	99	11.17	Pass
		100	0	100	0	11.18	Pass
	16-QAM	1	0	1	99	11.19	Pass
		100	0	100	0	11.20	Pass
High	QPSK	1	0	1	99	11.21	Pass
		100	0	100	0	11.22	Pass
	16-QAM	1	0	1	99	11.23	Pass
		100	0	100	0	11.24	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note2}	Verdict
		Size	Offset	Size	Offset		
CA_42C							
20MHz+5MHz							
Low	QPSK	1	0	1	24	12.1	Pass
		100	0	25	0	12.2	Pass
	16-QAM	1	0	1	24	12.3	Pass
		100	0	25	0	12.4	Pass
Mid	QPSK	1	0	1	24	12.5	Pass
		100	0	25	0	12.6	Pass
	16-QAM	1	0	1	24	12.7	Pass
		100	0	25	0	12.8	Pass
High	QPSK	1	0	1	24	12.9	Pass
		100	0	25	0	12.10	Pass
	16-QAM	1	0	1	24	12.11	Pass
		100	0	25	0	12.12	Pass
20MHz+20MHz							
Low	QPSK	1	0	1	99	12.13	Pass
		100	0	100	0	12.14	Pass
	16-QAM	1	0	1	99	12.15	Pass
		100	0	100	0	12.16	Pass
Mid	QPSK	1	0	1	99	12.17	Pass
		100	0	100	0	12.18	Pass
	16-QAM	1	0	1	99	12.19	Pass
		100	0	100	0	12.20	Pass
High	QPSK	1	0	1	99	12.21	Pass
		100	0	100	0	12.22	Pass
	16-QAM	1	0	1	99	12.23	Pass
		100	0	100	0	12.24	Pass

A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.: BL-EC2410592-501 Data Part 4.pdf”.

WCDMA Mode Test Verdict

Test Band	Test Channel	Refer to Plot ^{Note1}	Verdict
WCDMA Band 2	LCH	14.1	Pass
	HCH	14.2	Pass
WCDMA Band 4	LCH	15.1	Pass
	HCH	15.2	Pass
WCDMA Band 5	LCH	16.1	Pass
	HCH	16.2	Pass

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 2	1.4 MHz	LCH	QPSK	RB1#0	1.1	Pass
				RB6#0	1.2	Pass
			16-QAM	RB1#0	1.3	Pass
				RB6#0	1.4	Pass
		HCH	QPSK	RB1#5	1.5	Pass
				RB6#0	1.6	Pass
			16-QAM	RB1#5	1.7	Pass
				RB6#0	1.8	Pass
	3 MHz	LCH	QPSK	RB1#0	1.9	Pass
				RB15#0	1.10	Pass
			16-QAM	RB1#0	1.11	Pass
				RB15#0	1.12	Pass
		HCH	QPSK	RB1#14	1.13	Pass
				RB15#0	1.14	Pass
			16-QAM	RB1#14	1.15	Pass
				RB15#0	1.16	Pass
	5 MHz	LCH	QPSK	RB1#0	1.17	Pass
				RB25#0	1.18	Pass
			16-QAM	RB1#0	1.19	Pass
				RB25#0	1.20	Pass
		HCH	QPSK	RB1#24	1.21	Pass
				RB25#0	1.22	Pass
			16-QAM	RB1#24	1.23	Pass
				RB25#0	1.24	Pass
	10 MHz	LCH	QPSK	RB1#0	1.25	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
			16-QAM	RB50#0	1.26	Pass
				RB1#0	1.27	Pass
				RB50#0	1.28	Pass
		HCH	QPSK	RB1#49	1.29	Pass
				RB50#0	1.30	Pass
			16-QAM	RB1#49	1.31	Pass
	15 MHz	LCH	QPSK	RB50#0	1.32	Pass
				RB1#0	1.33	Pass
			16-QAM	RB75#0	1.34	Pass
				RB1#0	1.35	Pass
		HCH	QPSK	RB75#0	1.36	Pass
				RB1#74	1.37	Pass
			16-QAM	RB75#0	1.38	Pass
				RB1#74	1.39	Pass
	20 MHz	LCH	QPSK	RB75#0	1.40	Pass
				RB1#0	1.41	Pass
			16-QAM	RB100#0	1.42	Pass
				RB1#0	1.43	Pass
		HCH	QPSK	RB100#0	1.44	Pass
				RB1#99	1.45	Pass
			16-QAM	RB100#0	1.46	Pass
				RB1#99	1.47	Pass
			16-QAM	RB100#0	1.48	Pass
				RB100#0	1.48	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 4	1.4 MHz	LCH	QPSK	RB1#0	2.1	Pass
				RB6#0	2.2	Pass
			16-QAM	RB1#0	2.3	Pass
				RB6#0	2.4	Pass
		HCH	QPSK	RB1#5	2.5	Pass
				RB6#0	2.6	Pass
			16-QAM	RB1#5	2.7	Pass
				RB6#0	2.8	Pass
	3 MHz	LCH	QPSK	RB1#0	2.9	Pass
				RB15#0	2.10	Pass
			16-QAM	RB1#0	2.11	Pass
				RB15#0	2.12	Pass
		HCH	QPSK	RB1#14	2.13	Pass
				RB15#0	2.14	Pass
			16-QAM	RB1#14	2.15	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
	5 MHz	LCH	QPSK	RB15#0	2.16	Pass
				RB1#0	2.17	Pass
			16-QAM	RB25#0	2.18	Pass
				RB1#0	2.19	Pass
		HCH	QPSK	RB25#0	2.20	Pass
				RB1#24	2.21	Pass
			16-QAM	RB25#0	2.22	Pass
				RB1#24	2.23	Pass
		10 MHz	LCH	RB25#0	2.24	Pass
				RB1#0	2.25	Pass
				RB50#0	2.26	Pass
				RB1#0	2.27	Pass
			HCH	RB50#0	2.28	Pass
				RB1#49	2.29	Pass
				RB50#0	2.30	Pass
				RB1#49	2.31	Pass
	15 MHz	LCH	QPSK	RB50#0	2.32	Pass
				RB1#0	2.33	Pass
			16-QAM	RB75#0	2.34	Pass
				RB1#0	2.35	Pass
		HCH	QPSK	RB75#0	2.36	Pass
				RB1#74	2.37	Pass
			16-QAM	RB75#0	2.38	Pass
				RB1#74	2.39	Pass
	20 MHz	LCH	QPSK	RB75#0	2.40	Pass
				RB1#0	2.41	Pass
			16-QAM	RB100#0	2.42	Pass
				RB1#0	2.43	Pass
		HCH	QPSK	RB100#0	2.44	Pass
				RB1#99	2.45	Pass
			16-QAM	RB100#0	2.46	Pass
				RB1#99	2.47	Pass
				RB100#0	2.48	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 5	1.4 MHz	LCH	QPSK	RB1#0	3.1	Pass
				RB6#0	3.2	Pass
			16-QAM	RB1#0	3.3	Pass
				RB6#0	3.4	Pass
		HCH	QPSK	RB1#5	3.5	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
			16-QAM	RB6#0	3.6	Pass
				RB1#5	3.7	Pass
				RB6#0	3.8	Pass
	3 MHz	LCH	QPSK	RB1#0	3.9	Pass
				RB15#0	3.10	Pass
			16-QAM	RB1#0	3.11	Pass
				RB15#0	3.12	Pass
		HCH	QPSK	RB1#14	3.13	Pass
				RB15#0	3.14	Pass
			16-QAM	RB1#14	3.15	Pass
				RB15#0	3.16	Pass
	5 MHz	LCH	QPSK	RB1#0	3.17	Pass
				RB25#0	3.18	Pass
			16-QAM	RB1#0	3.19	Pass
				RB25#0	3.20	Pass
		HCH	QPSK	RB1#24	3.21	Pass
				RB25#0	3.22	Pass
			16-QAM	RB1#24	3.23	Pass
				RB25#0	3.24	Pass
	10 MHz	LCH	QPSK	RB1#0	3.25	Pass
				RB50#0	3.26	Pass
			16-QAM	RB1#0	3.27	Pass
				RB50#0	3.28	Pass
		HCH	QPSK	RB1#49	3.29	Pass
				RB50#0	3.30	Pass
			16-QAM	RB1#49	3.31	Pass
				RB50#0	3.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 7	5 MHz	LCH	QPSK	RB1#0	4.1	Pass
				RB25#0	4.2	Pass
			16-QAM	RB1#0	4.3	Pass
				RB25#0	4.4	Pass
		HCH	QPSK	RB1#24	4.5	Pass
				RB25#0	4.6	Pass
			16-QAM	RB1#24	4.7	Pass
				RB25#0	4.8	Pass
	10 MHz	LCH	QPSK	RB1#0	4.9	Pass
				RB50#0	4.10	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
		HCH	16-QAM	RB1#0	4.11	Pass
				RB50#0	4.12	Pass
			QPSK	RB1#49	4.13	Pass
				RB50#0	4.14	Pass
			16-QAM	RB1#49	4.15	Pass
				RB50#0	4.16	Pass
	15 MHz	LCH	QPSK	RB1#0	4.17	Pass
				RB75#0	4.18	Pass
			16-QAM	RB1#0	4.19	Pass
				RB75#0	4.20	Pass
		HCH	QPSK	RB1#74	4.21	Pass
				RB75#0	4.22	Pass
			16-QAM	RB1#74	4.23	Pass
				RB75#0	4.24	Pass
	20 MHz	LCH	QPSK	RB1#0	4.25	Pass
				RB100#0	4.26	Pass
			16-QAM	RB1#0	4.27	Pass
				RB100#0	4.28	Pass
		HCH	QPSK	RB1#99	4.29	Pass
				RB100#0	4.30	Pass
			16-QAM	RB1#99	4.31	Pass
				RB100#0	4.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 66	1.4 MHz	LCH	QPSK	RB1#0	5.1	Pass
				RB6#0	5.2	Pass
			16-QAM	RB1#0	5.3	Pass
				RB6#0	5.4	Pass
		HCH	QPSK	RB1#5	5.5	Pass
				RB6#0	5.6	Pass
			16-QAM	RB1#5	5.7	Pass
				RB6#0	5.8	Pass
	3 MHz	LCH	QPSK	RB1#0	5.9	Pass
				RB15#0	5.10	Pass
			16-QAM	RB1#0	5.11	Pass
				RB15#0	5.12	Pass
		HCH	QPSK	RB1#14	5.13	Pass
				RB15#0	5.14	Pass
			16-QAM	RB1#14	5.15	Pass
				RB15#0	5.16	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
	5 MHz	LCH	QPSK	RB1#0	5.17	Pass
				RB25#0	5.18	Pass
			16-QAM	RB1#0	5.19	Pass
				RB25#0	5.20	Pass
		HCH	QPSK	RB1#24	5.21	Pass
				RB25#0	5.22	Pass
			16-QAM	RB1#24	5.23	Pass
				RB25#0	5.24	Pass
	10 MHz	LCH	QPSK	RB1#0	5.25	Pass
				RB50#0	5.26	Pass
			16-QAM	RB1#0	5.27	Pass
				RB50#0	5.28	Pass
		HCH	QPSK	RB1#49	5.29	Pass
				RB50#0	5.30	Pass
			16-QAM	RB1#49	5.31	Pass
				RB50#0	5.32	Pass
	15 MHz	LCH	QPSK	RB1#0	5.33	Pass
				RB75#0	5.34	Pass
			16-QAM	RB1#0	5.35	Pass
				RB75#0	5.36	Pass
		HCH	QPSK	RB1#74	5.37	Pass
				RB75#0	5.38	Pass
			16-QAM	RB1#74	5.39	Pass
				RB75#0	5.40	Pass
	20 MHz	LCH	QPSK	RB1#0	5.41	Pass
				RB100#0	5.42	Pass
			16-QAM	RB1#0	5.43	Pass
				RB100#0	5.44	Pass
		HCH	QPSK	RB1#99	5.45	Pass
				RB100#0	5.46	Pass
			16-QAM	RB1#99	5.47	Pass
				RB100#0	5.48	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 38	5 MHz	LCH	QPSK	RB1#0	6.1	Pass
				RB25#0	6.2	Pass
			16-QAM	RB1#0	6.3	Pass
				RB25#0	6.4	Pass
		HCH	QPSK	RB1#24	6.5	Pass
				RB25#0	6.6	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
			16-QAM	RB1#24	6.7	Pass
				RB25#0	6.8	Pass
	10 MHz	LCH	QPSK	RB1#0	6.9	Pass
				RB50#0	6.10	Pass
			16-QAM	RB1#0	6.11	Pass
				RB50#0	6.12	Pass
		HCH	QPSK	RB1#49	6.13	Pass
				RB50#0	6.14	Pass
			16-QAM	RB1#49	6.15	Pass
				RB50#0	6.16	Pass
	15 MHz	LCH	QPSK	RB1#0	6.17	Pass
				RB75#0	6.18	Pass
			16-QAM	RB1#0	6.19	Pass
				RB75#0	6.20	Pass
		HCH	QPSK	RB1#74	6.21	Pass
				RB75#0	6.22	Pass
			16-QAM	RB1#74	6.23	Pass
				RB75#0	6.24	Pass
	20 MHz	LCH	QPSK	RB1#0	6.25	Pass
				RB100#0	6.26	Pass
			16-QAM	RB1#0	6.27	Pass
				RB100#0	6.28	Pass
		HCH	QPSK	RB1#99	6.29	Pass
				RB100#0	6.30	Pass
			16-QAM	RB1#99	6.31	Pass
				RB100#0	6.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 40a	5 MHz	LCH	QPSK	RB1#0	18.1	Pass
				RB25#0	18.2	Pass
			16-QAM	RB1#0	18.3	Pass
				RB25#0	18.4	Pass
		HCH	QPSK	RB1#24	18.5	Pass
				RB25#0	18.6	Pass
			16-QAM	RB1#24	18.7	Pass
				RB25#0	18.8	Pass
	10 MHz	LCH	QPSK	RB1#0	18.9	Pass
				RB50#0	18.10	Pass
			16-QAM	RB1#0	18.11	Pass
				RB50#0	18.12	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
		HCH	QPSK	RB1#0	18.13	Pass
				RB50#0	18.14	Pass
			16-QAM	RB1#0	18.15	Pass
				RB50#0	18.16	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 40b	5 MHz	LCH	QPSK	RB1#0	17.1	Pass
				RB25#0	17.2	Pass
			16-QAM	RB1#0	17.3	Pass
				RB25#0	17.4	Pass
		HCH	QPSK	RB1#24	17.5	Pass
				RB25#0	17.6	Pass
			16-QAM	RB1#24	17.7	Pass
				RB25#0	17.8	Pass
	10 MHz	LCH	QPSK	RB1#0	17.9	Pass
				RB50#0	17.10	Pass
			16-QAM	RB1#0	17.11	Pass
				RB50#0	17.12	Pass
		HCH	QPSK	RB1#0	17.13	Pass
				RB50#0	17.14	Pass
			16-QAM	RB1#0	17.15	Pass
				RB50#0	17.16	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 41	5 MHz	LCH	QPSK	RB1#0	7.1	Pass
				RB25#0	7.2	Pass
			16-QAM	RB1#0	7.3	Pass
				RB25#0	7.4	Pass
		HCH	QPSK	RB1#24	7.5	Pass
				RB25#0	7.6	Pass
			16-QAM	RB1#24	7.7	Pass
				RB25#0	7.8	Pass
	10 MHz	LCH	QPSK	RB1#0	7.9	Pass
				RB50#0	7.10	Pass
			16-QAM	RB1#0	7.11	Pass
				RB50#0	7.12	Pass
		HCH	QPSK	RB1#49	7.13	Pass
				RB50#0	7.14	Pass
			16-QAM	RB1#49	7.15	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
	15 MHz	LCH	QPSK	RB50#0	7.16	Pass
				RB1#0	7.17	Pass
			16-QAM	RB75#0	7.18	Pass
				RB1#0	7.19	Pass
		HCH	QPSK	RB75#0	7.20	Pass
				RB1#74	7.21	Pass
			16-QAM	RB75#0	7.22	Pass
				RB1#74	7.23	Pass
	20 MHz	LCH	QPSK	RB75#0	7.24	Pass
				RB1#0	7.25	Pass
			16-QAM	RB100#0	7.26	Pass
				RB1#0	7.27	Pass
		HCH	QPSK	RB100#0	7.28	Pass
				RB1#99	7.29	Pass
			16-QAM	RB100#0	7.30	Pass
				RB1#99	7.31	Pass
				RB100#0	7.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 42	5 MHz	LCH	QPSK	RB1#0	8.1	Pass
				RB25#0	8.2	Pass
			16-QAM	RB1#0	8.3	Pass
				RB25#0	8.4	Pass
		HCH	QPSK	RB1#24	8.5	Pass
				RB25#0	8.6	Pass
			16-QAM	RB1#24	8.7	Pass
				RB25#0	8.8	Pass
	10 MHz	LCH	QPSK	RB1#0	8.9	Pass
				RB50#0	8.10	Pass
			16-QAM	RB1#0	8.11	Pass
				RB50#0	8.12	Pass
		HCH	QPSK	RB1#49	8.13	Pass
				RB50#0	8.14	Pass
			16-QAM	RB1#49	8.15	Pass
				RB50#0	8.16	Pass
	15 MHz	LCH	QPSK	RB1#0	8.17	Pass
				RB75#0	8.18	Pass
			16-QAM	RB1#0	8.19	Pass
				RB75#0	8.20	Pass
		HCH	QPSK	RB1#74	8.21	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
			16-QAM	RB75#0	8.22	Pass
				RB1#74	8.23	Pass
				RB75#0	8.24	Pass
	20 MHz	LCH	QPSK	RB1#0	8.25	Pass
				RB100#0	8.26	Pass
			16-QAM	RB1#0	8.27	Pass
				RB100#0	8.28	Pass
		HCH	QPSK	RB1#99	8.29	Pass
				RB100#0	8.30	Pass
			16-QAM	RB1#99	8.31	Pass
				RB100#0	8.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 43	5 MHz	LCH	QPSK	RB1#0	9.1	Pass
				RB25#0	9.2	Pass
			16-QAM	RB1#0	9.3	Pass
				RB25#0	9.4	Pass
		HCH	QPSK	RB1#24	9.5	Pass
				RB25#0	9.6	Pass
			16-QAM	RB1#24	9.7	Pass
				RB25#0	9.8	Pass
	10 MHz	LCH	QPSK	RB1#0	9.9	Pass
				RB50#0	9.10	Pass
			16-QAM	RB1#0	9.11	Pass
				RB50#0	9.12	Pass
		HCH	QPSK	RB1#49	9.13	Pass
				RB50#0	9.14	Pass
			16-QAM	RB1#49	9.15	Pass
				RB50#0	9.16	Pass
	15 MHz	LCH	QPSK	RB1#0	9.17	Pass
				RB75#0	9.18	Pass
			16-QAM	RB1#0	9.19	Pass
				RB75#0	9.20	Pass
		HCH	QPSK	RB1#74	9.21	Pass
				RB75#0	9.22	Pass
			16-QAM	RB1#74	9.23	Pass
				RB75#0	9.24	Pass
	20 MHz	LCH	QPSK	RB1#0	9.25	Pass
				RB100#0	9.26	Pass
			16-QAM	RB1#0	9.27	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
		HCH	QPSK	RB100#0	9.28	Pass
				RB1#99	9.29	Pass
			16-QAM	RB100#0	9.30	Pass
				RB1#99	9.31	Pass
				RB100#0	9.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 48	5 MHz	LCH	QPSK	RB1#0	10.1	Pass
				RB25#0	10.2	Pass
			16-QAM	RB1#0	10.3	Pass
				RB25#0	10.4	Pass
		HCH	QPSK	RB1#24	10.5	Pass
				RB25#0	10.6	Pass
			16-QAM	RB1#24	10.7	Pass
				RB25#0	10.8	Pass
	10 MHz	LCH	QPSK	RB1#0	10.9	Pass
				RB50#0	10.10	Pass
			16-QAM	RB1#0	10.11	Pass
				RB50#0	10.12	Pass
		HCH	QPSK	RB1#49	10.13	Pass
				RB50#0	10.14	Pass
			16-QAM	RB1#49	10.15	Pass
				RB50#0	10.16	Pass
	15 MHz	LCH	QPSK	RB1#0	10.17	Pass
				RB75#0	10.18	Pass
			16-QAM	RB1#0	10.19	Pass
				RB75#0	10.20	Pass
		HCH	QPSK	RB1#74	10.21	Pass
				RB75#0	10.22	Pass
			16-QAM	RB1#74	10.23	Pass
				RB75#0	10.24	Pass
	20 MHz	LCH	QPSK	RB1#0	10.25	Pass
				RB100#0	10.26	Pass
			16-QAM	RB1#0	10.27	Pass
				RB100#0	10.28	Pass
		HCH	QPSK	RB1#99	10.29	Pass
				RB100#0	10.30	Pass
			16-QAM	RB1#99	10.31	Pass
				RB100#0	10.32	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note1}	Verdict
		Size	Offset	Size	Offset		
CA_38C							
15MHz+15MHz							
Low	QPSK	1	0	1	0	11.1	Pass
		1	0	1	74	11.2	Pass
		75	0	75	0	11.3	Pass
	16-QAM	1	0	1	0	11.4	Pass
		1	0	1	74	11.5	Pass
		75	0	75	0	11.6	Pass
High	QPSK	1	0	1	74	11.7	Pass
		1	74	1	74	11.8	Pass
		75	0	75	0	11.9	Pass
	16-QAM	1	0	1	74	11.10	Pass
		1	74	1	74	11.11	Pass
		75	0	75	0	11.12	Pass
20MHz+20MHz							
Low	QPSK	1	0	1	0	11.13	Pass
		1	0	1	99	11.14	Pass
		100	0	100	0	11.15	Pass
	16-QAM	1	0	1	0	11.16	Pass
		1	0	1	99	11.17	Pass
		100	0	100	0	11.18	Pass
High	QPSK	1	0	1	99	11.19	Pass
		1	99	1	99	11.20	Pass
		100	0	100	0	11.21	Pass
	16-QAM	1	0	1	99	11.22	Pass
		1	99	1	99	11.23	Pass
		100	0	100	0	11.24	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note1}	Verdict
		Size	Offset	Size	Offset		
CA_41C							
20MHz+5MHz							
Low	QPSK	1	0	1	0	12.1	Pass
		1	0	1	24	12.2	Pass
		100	0	25	0	12.3	Pass
	16-QAM	1	0	1	0	12.4	Pass
		1	0	1	24	12.5	Pass
		100	0	25	0	12.6	Pass
High	QPSK	1	0	1	24	12.7	Pass
		1	99	1	24	12.8	Pass
		100	0	25	0	12.9	Pass
	16-QAM	1	0	1	24	12.10	Pass
		1	99	1	24	12.11	Pass
		100	0	25	0	12.12	Pass
20MHz+20MHz							
Low	QPSK	1	0	1	0	12.13	Pass
		1	0	1	99	12.14	Pass
		100	0	100	0	12.15	Pass
	16-QAM	1	0	1	0	12.16	Pass
		1	0	1	99	12.17	Pass
		100	0	100	0	12.18	Pass
High	QPSK	1	0	1	99	12.19	Pass
		1	99	1	99	12.20	Pass
		100	0	100	0	12.21	Pass
	16-QAM	1	0	1	99	12.22	Pass
		1	99	1	99	12.23	Pass
		100	0	100	0	12.24	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note1}	Verdict
		Size	Offset	Size	Offset		
CA_42C							
20MHz+5MHz							
Low	QPSK	1	0	1	0	13.1	Pass
		1	0	1	24	13.2	Pass
		100	0	25	0	13.3	Pass
	16-QAM	1	0	1	0	13.4	Pass
		1	0	1	24	13.5	Pass
		100	0	25	0	13.6	Pass
High	QPSK	1	99	1	24	13.7	Pass
		1	0	1	24	13.8	Pass
		100	0	25	0	13.9	Pass
	16-QAM	1	99	1	24	13.10	Pass
		1	0	1	24	13.11	Pass
		100	0	25	0	13.12	Pass
20MHz+20MHz							
Low	QPSK	1	0	1	0	13.13	Pass
		1	0	1	99	13.14	Pass
		100	0	100	0	13.15	Pass
	16-QAM	1	0	1	0	13.16	Pass
		1	0	1	99	13.17	Pass
		100	0	100	0	13.18	Pass
High	QPSK	1	99	1	99	13.19	Pass
		1	0	1	99	13.20	Pass
		100	0	100	0	13.21	Pass
	16-QAM	1	99	1	99	13.22	Pass
		1	0	1	99	13.23	Pass
		100	0	100	0	13.24	Pass

A.7 Field Strength of Spurious Radiation

Note 1: All modes have been tested, and only the worst case data are shown here.

Note 2: The frequencies of verdict which are marked by "N/A" should be ignored because they are UE carrier frequency.

Note 3: Test plots please refer to the document "Annex No.: BL-EC2410592-501 Data Part 5.pdf".

Note 4: The disturbance above 26.5GHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

WCDMA Mode Test Verdict

Test Band	Test Channel	Refer to Plot ^{Note3}	Verdict
WCDMA Band 2	LCH	14.1	Pass
	MCH	14.2	Pass
	HCH	14.3	Pass
WCDMA Band 4	LCH	15.1	Pass
	MCH	15.2	Pass
	HCH	15.3	Pass
WCDMA Band 5	LCH	16.1	Pass
	MCH	16.2	Pass
	HCH	16.3	Pass

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 2	10 MHz	LCH	QPSK	RB1#49	1.1	Pass
Band 4	5 MHz	HCH	QPSK	RB1#24	2.1	Pass
Band 5	3 MHz	LCH	QPSK	RB1#0	3.1	Pass
Band 7	20 MHz	MCH	QPSK	RB1#99	4.1	Pass
Band 66	1.4 MHz	HCH	QPSK	RB3#2	5.1	Pass
Band 38	5 MHz	HCH	QPSK	RB1#13	6.1	Pass
Band 40a	5 MHz	MCH	QPSK	RB1#13	17.1	Pass
Band 40b	5 MHz	HCH	QPSK	RB1#13	18.1	Pass
Band 41	15 MHz	HCH	QPSK	RB1#99	7.1	Pass
Band 42	20 MHz	LCH	QPSK	RB1#0	8.1	Pass
Band 43	15 MHz	HCH	QPSK	RB1#0	9.1	Pass
Band 48	5 MHz	LCH	QPSK	RB1#13	10.1	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note3}	Verdict
		Size	Offset	Size	Offset		
CA_38C							
20MHz+20MHz							
High	QPSK	1	99	1	0	11.1	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note3}	Verdict
		Size	Offset	Size	Offset		
CA_41C							
20MHz+5MHz							
High	QPSK	1	0	0	0	12.1	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note3}	Verdict
		Size	Offset	Size	Offset		
CA_42C							
20MHz+5MHz							
Low	QPSK	1	0	0	0	13.1	Pass

A.8 End user device additional requirements

Note: Please refer to the document “SZ24020064W01.PDF”.which was issued by Shenzhen Morlab Communications Technology Co., Ltd Feb. 26, 2024.

ANNEX B TEST SETUP PHOTOS

Please refer to the document “BL-EC2410592-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer to the document “BL-EC2410592-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer to the document “BL-EC2410592-AI.PDF”.

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--END OF REPORT--