

TEST REPORT

Applicant: NETPRISMA INC.
Address: 1301 6th Ave., Seattle, Washington State, 98101-2304, United States
Equipment Type: LTE Module
Model Name: LCUH22-LD
Brand Name: Vrileg
FCC ID: 2BEY3LCUH22LDA
Test Standard: 47 CFR Part 2
(Others refer to chapter 3.1)
Sample Arrival Date: Nov. 15, 2023
Test Date: Nov. 15, 2023 - Nov. 27, 2023
Date of Issue: May 07, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

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(Testing Director)

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Revision History		
Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Jan. 11, 2024</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>May 07, 2024</u>	<u>Updated model name, brand name, FCC ID, applicant and manufacturer information.</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	<input checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	<input type="checkbox"/> 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	NETPRISMA INC.
Address	1301 6th Ave., Seattle, Washington State, 98101-2304, United States

2.2 Manufacturer Information

Manufacturer	NETPRISMA INC.
Address	1301 6th Ave., Seattle, Washington State, 98101-2304, United States

2.3 General Description for Equipment under Test (EUT)

EUT Name	LTE Module
Model Name Under Test	LCUH22-LD
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	R1.0
Software Version	LCUH22LDBL0701
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

All Network and Wireless connectivity for EUT	3G Network WCDMA/HSDPA/HSUPA 2/4/5 4G Network FDD LTE Band 2/4/5/12/13/25/26
About the Product	The equipment is LCUH22-LD, 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 Band 2/4/5 FDD LTE Band 2/4/5/12/13/25/26		
Modulation Type	WCDMA	QPSK	
	HSDPA	QPSK/16QAM/64QAM	
	HSUPA	QPSK	
	LTE	UL: QPSK/16QAM DL: QPSK/16QAM/64QAM	
Antenna Type	External Antenna		
Antenna Gain	WCDMA/HSDPA/HSUPA Band 2: 1.59 dBi WCDMA/HSDPA/HSUPA Band 4: 2.00 dBi WCDMA/HSDPA/HSUPA Band 5: 2.53 dBi FDD LTE Band 2: 1.59 dBi FDD LTE Band 4: 2.00 dBi FDD LTE Band 5: 2.53 dBi FDD LTE Band 12: 3.95 dBi FDD LTE Band 13: 4.45 dBi FDD LTE Band 25: 1.59 dBi FDD LTE Band 26(part22): 2.53 dBi FDD LTE Band 26(part90): 3.19 dBi		
The Max RF Output Power (EIRP/ERP)	WCDMA/HSDPA/HSUPA Band 2: 24.86 dBm WCDMA/HSDPA/HSUPA Band 4: 25.37 dBm WCDMA/HSDPA/HSUPA Band 5: 23.63 dBm FDD LTE Band 2: 25.32 dBm FDD LTE Band 4: 25.44 dBm FDD LTE Band 5: 23.97 dBm FDD LTE Band 12: 25.27 dBm FDD LTE Band 13: 25.70 dBm FDD LTE Band 25: 25.40 dBm FDD LTE Band 26 (part22): 24.28 dBm FDD LTE Band 26 (part90): 24.43 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 B12	3	699 MHz ~ 716 MHz	729 MHz ~ 746 MHz
LTE B13	3	777 MHz ~ 787 MHz	746 MHz ~ 756 MHz
LTE B25	3	1850 MHz ~ 1915 MHz	1930 MHz ~ 1995 MHz
LTE B26	3	814 MHz ~ 824 MHz	859 MHz ~ 869 MHz
		824 MHz ~ 849 MHz	869 MHz ~ 894 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 90 Subpart S	Regulations Governing Licensing and Use of Frequencies in the 806-824, 851-869, 896-901, and 935-940 MHz Bands
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 90.635(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 90.209	ANNEX A.3	Pass
5	Frequency Stability	2.1055 22.355 24.235 27.54 90.213	ANNEX A.4	Pass
6	Spurious Emission at Antenna Terminals	2.1051 22.917 24.238 27.53 90.691	ANNEX A.5	Pass
7	Band Edge	2.1051 22.917 24.238 27.53 90.691	ANNEX A.6	Pass
8	Field Strength of Spurious Radiation	2.1053 22.917 24.238 27.53 90.691	ANNEX A.7	Pass

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)	3.8 V
	LV (Low Voltage)	3.3V
	HV (High Voltage)	4.3V
Test Temperature of the EUT	NT (Normal Temperature)	15 °C to 35 °C
	LT (Low Temperature)	-40 °C
	HT (High Temperature)	+85 °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
Universal Radio Communication Tester	R&S	CMU 200	121487	V5.21	2022/12/28	2023/12/27
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	N9020A	MY50531628	A.16.09	2023.05.12	2024.05.11
Spectrum Analyzer	R&S	FSV40	101544	2.30.SP4	2023.01.03	2024.01.02
DC Power Supply	ITECH	IT6863A	800014020757810006	N/A	2023.08.16	2024.08.15
Radiated Test System						
Radiated Test System Test Software	BALUN	BL410-E	N/A	V22.930	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
Spectrum Analyzer	R&S	FSV40	101544	2.30.SP4	2023.01.03	2024.01.02
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	01917	N/A	2022.06.09	2025.06.08
Test Antenna-Horn(18-40 GHz)	A-INFO	LB-180400KF	J211060273	N/A	2021.07.02	2024.07.01
Anechoic Chamber	YIHENG	9m*6m*6m	144	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
12	v	v	v	v	n	n	v	v	v	v	v	v	v	v
13	n	n	v	v	n	n	v	v	v	v	v	v	v	v
25	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26(Part22)	v	v	v	v	v	n	v	v	v	v	v	v	v	v
26(Part90)	v	v	v	v	--	n	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
12	--	--	--	v	n	n	v	v	v	--	v	v	v	v
13	n	n	--	v	n	n	v	v	v	--	v	--	v	--
25	--	--	--	--	--	v	v	v	v	--	v	v	v	v
26(Part22)	--	--	--	--	v	n	v	v	v	--	v	v	v	v
26(Part90)	--	--	--	v	--	n	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
12	v	v	v	v	n	n	v	v	--	--	v	v	v	v
13	n	n	v	v	n	n	v	v	--	--	v	v	v	v
25	v	v	v	v	v	v	v	v	--	--	v	v	v	v
26(Part22)	v	v	v	v	v	n	v	v	--	--	v	v	v	v
26(Part90)	v	v	v	v	--	n	v	v	--	--	v	v	v	v
Frequency Stability														
2	--	--	--	v	--	--	v	v	--	--	v	--	v	--
4	--	--	--	v	--	--	v	v	--	--	v	--	v	--
5	--	--	--	v	n	n	v	v	--	--	v	--	v	--
12	--	--	--	v	n	n	v	v	--	--	v	--	v	--
13	n	n	--	v	n	n	v	v	--	--	v	--	v	--
25	--	--	--	v	--	--	v	v	--	--	v	--	v	--
26(Part22)	--	--	--	v	--	n	v	v	--	--	v	--	v	--
26(Part90)	--	--	--	v	--	n	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

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
12	v	v	v	v	n	n	v	v	v	--	--	v	v	v
13	n	n	v	v	n	n	v	v	v	--	--	v	v	v
25	v	v	v	v	v	v	v	v	v	--	--	v	v	v
26(Part22)	v	v	v	v	v	n	v	v	v	--	--	v	v	v
26(Part90)	v	v	v	v	--	n	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
12	v	v	v	v	n	n	v	v	v	--	v	v	--	v
13	n	n	v	v	n	n	v	v	v	--	v	v	--	v
25	v	v	v	v	v	v	v	v	v	--	v	v	--	v
26(Part22)	v	v	v	v	v	n	v	v	v	--	v	v	--	v
26(Part90)	v	v	v	v	--	n	v	v	v	--	v	v	--	v
Field Strength of Spurious Radiation														
2	Worst case													
4	Worst case													
5	Worst case													
12	Worst case													
13	Worst case													
25	Worst case													
26(Part22)	Worst case													
26(Part90)	Worst case													
<p>Note 1: The mark “v” means that this configuration is chosen for testing.</p> <p>Note 2: The mark “n” means that this bandwidth is not supported.</p>														

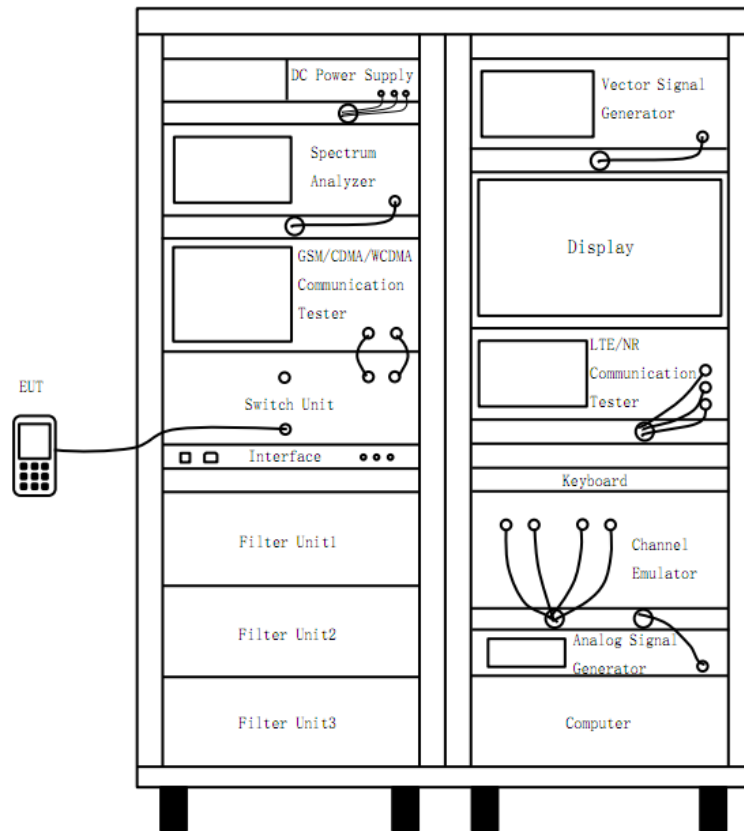
Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
LTE Band 2	Low Range	1.4	18607	1850.7
		3	18615	1851.5
		5	18625	1852.5
		10	18650	1855
		15	18675	1857.5
		20	18700	1860
	Middle Range	1.4/3/5/10/15/20	18900	1880
	High Range	1.4	19193	1909.3
		3	19185	1908.5
		5	19175	1907.5
		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
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 12		Low Range	1.4	23017
	3		23025	700.5
	5		23035	701.5
	10		23060	704
	Middle Range	1.4/3/5/10	23095	707.5

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
	High Range	1.4	23173	715.3
		3	23165	714.5
		5	23155	713.5
		10	23130	711
LTE Band 13	Low Range	5	23205	779.5
		10	23230	782
	Middle Range	5/10	23230	782
	High Range	5	23255	784.5
		10	23230	782
LTE Band 25	Low Range	1.4	26047	1850.7
		3	26055	1851.5
		5	26065	1852.5
		10	26090	1855
		15	26115	1857.5
		20	26140	1860
	Middle Range	1.4/3/5/10/15/20	26365	1882.5
	High Range	1.4	26683	1914.3
		3	26675	1913.5
		5	26665	1912.5
		10	26640	1910
		15	26615	1907.5
20		26590	1905	
LTE Band 26 (Part22)	Low Range	1.4	26797	824.7
		3	26805	825.5
		5	26815	826.5
		10	26840	829
		15	26865	831.5
	Middle Range	1.4/3/5/10/15	26915	836.5
	High Range	1.4	27033	848.3
		3	27025	847.5
		5	27015	846.5
		10	26990	844
15		26965	841.5	
LTE Band 26 (Part90)	Low Range	1.4	26697	814.7
		3	26705	815.5
		5	26715	816.5
		10	---	---
	Middle Range	1.4/3/5/10	26740	819
	High Range	1.4	26783	823.3
		3	26775	822.5
		5	26765	821.5

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
		10	---	---

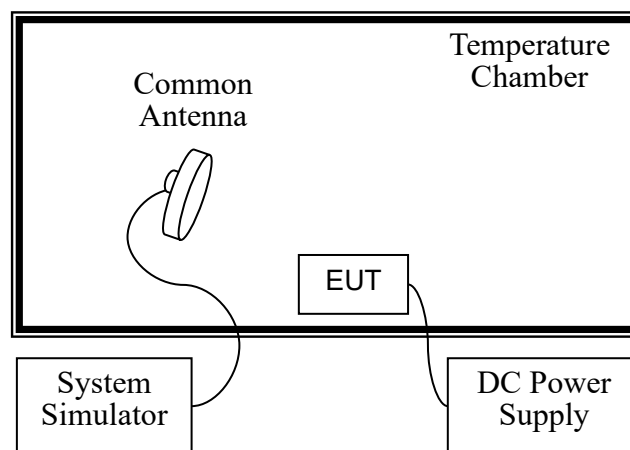
4.4 Test Setup

4.4.1 For Antenna Port Test



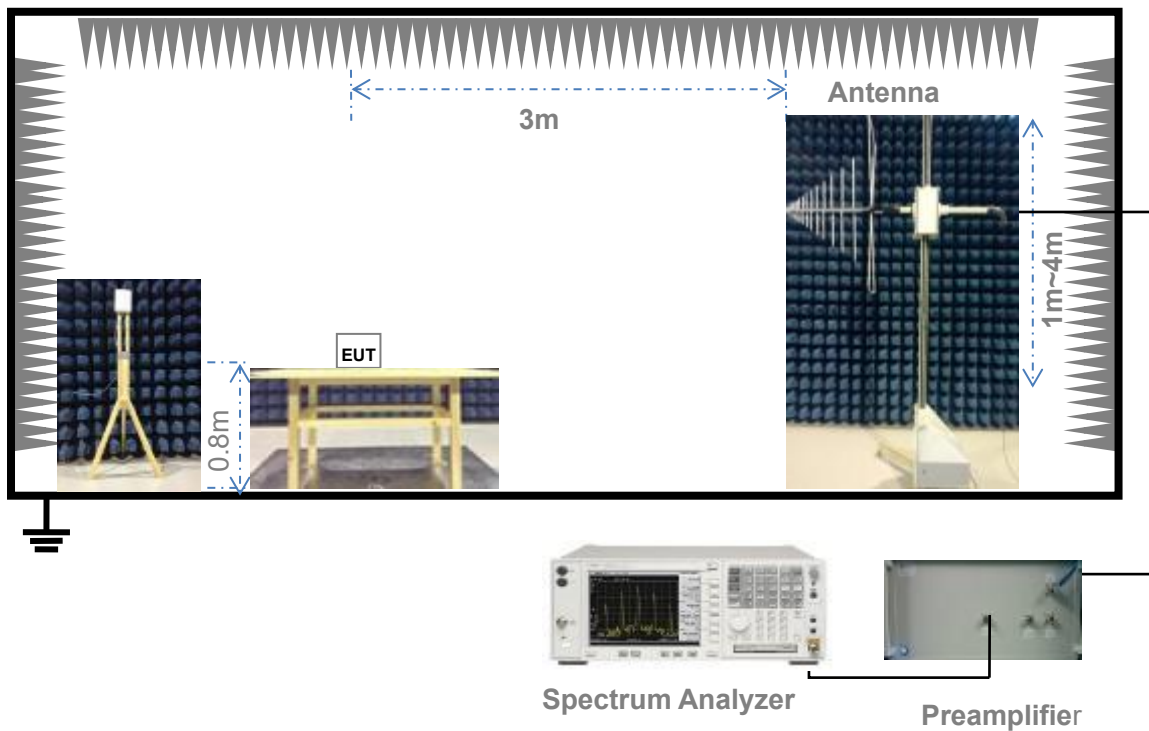
(Diagram 1)

4.4.2 For Frequency Stability Test



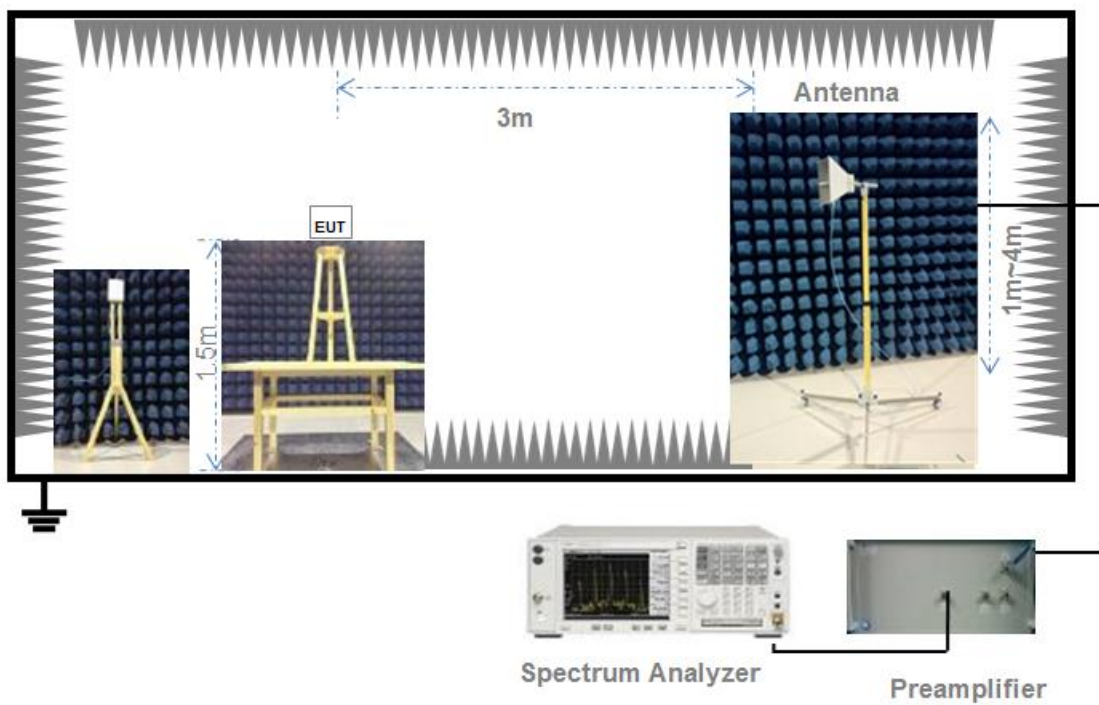
(Diagram 2)

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) & 90.635(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.

According to FCC section 90.635(b), the maximum output power of the transmitter for mobile stations is 100 watts (20dBW).

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 $10\log(\text{OBW} / \text{RBW})$ 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 & 90.213

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.

FCC § 90.213

The frequency stability shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

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) & 90.691

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.

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 50Ohm; 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) & 90.691

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 § 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.

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) & 90.691

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 that $43 + 10 \log (P)$ 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 $116 \text{ Log}_{10}(f/6.1)$ decibels or $50 + 10 \text{ Log}_{10}(P)$ 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 $43 + 10 \text{ Log}_{10}(P)$ 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.

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 receiver, 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.

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	23.07	1.59	24.66	0.292	2.00	Pass
	MCH	23.27	1.59	24.86	0.306	2.00	Pass
	HCH	23.23	1.59	24.82	0.303	2.00	Pass
HSDPA Band 2	LCH	22.84	1.59	24.43	0.277	2.00	Pass
	MCH	23.04	1.59	24.63	0.290	2.00	Pass
	HCH	23.07	1.59	24.66	0.292	2.00	Pass
HSUPA Band 2	LCH	22.80	1.59	24.39	0.275	2.00	Pass
	MCH	22.97	1.59	24.56	0.286	2.00	Pass
	HCH	22.96	1.59	24.55	0.285	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	23.25	2	25.25	0.335	1.00	Pass
	MCH	23.29	2	25.29	0.338	1.00	Pass
	HCH	23.37	2	25.37	0.344	1.00	Pass
HSDPA Band 4	LCH	23.12	2	25.12	0.325	1.00	Pass
	MCH	23.09	2	25.09	0.323	1.00	Pass
	HCH	23.17	2	25.17	0.329	1.00	Pass
HSUPA Band 4	LCH	22.92	2	24.92	0.310	1.00	Pass
	MCH	22.96	2	24.96	0.313	1.00	Pass
	HCH	22.98	2	24.98	0.315	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	22.95	2.53	0.38	23.33	0.215	7.00	Pass
	MCH	23.25	2.53	0.38	23.63	0.231	7.00	Pass
	HCH	23.01	2.53	0.38	23.39	0.218	7.00	Pass
HSDPA Band 5	LCH	22.79	2.53	0.38	23.17	0.207	7.00	Pass
	MCH	22.97	2.53	0.38	23.35	0.216	7.00	Pass
	HCH	22.81	2.53	0.38	23.19	0.208	7.00	Pass
HSUPA Band 5	LCH	22.59	2.53	0.38	22.97	0.198	7.00	Pass
	MCH	23.01	2.53	0.38	23.39	0.218	7.00	Pass
	HCH	22.67	2.53	0.38	23.05	0.202	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	22.80	0.191	22.84	0.192	22.73	0.187	22.72	0.187
	MCH	22.96	0.198	23.04	0.201	22.83	0.192	22.83	0.192
	HCH	23.07	0.203	23.03	0.201	22.83	0.192	22.83	0.192
HSDPA Band 4	LCH	22.98	0.199	23.12	0.205	22.62	0.183	22.61	0.182
	MCH	23.09	0.204	23.06	0.202	22.57	0.181	22.57	0.181
	HCH	23.17	0.207	23.05	0.202	22.67	0.185	22.65	0.184
HSDPA Band 5	LCH	22.64	0.184	22.79	0.190	22.29	0.169	22.28	0.169
	MCH	22.96	0.198	22.97	0.198	22.49	0.177	22.48	0.177
	HCH	22.81	0.191	22.80	0.191	22.32	0.171	22.31	0.170

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	22.71	0.187	21.99	0.158	22.31	0.170	22.20	0.166	22.80	0.191
	MCH	22.74	0.188	22.14	0.164	22.44	0.175	22.25	0.168	22.97	0.198
	HCH	22.74	0.188	22.05	0.160	21.95	0.157	22.25	0.168	22.96	0.198
HSUPA Band 4	LCH	22.56	0.180	21.19	0.132	22.11	0.163	21.91	0.155	22.92	0.196
	MCH	22.71	0.187	21.09	0.129	22.12	0.163	21.64	0.146	22.96	0.198
	HCH	22.57	0.181	21.06	0.128	21.97	0.157	21.59	0.144	22.98	0.199
HSUPA Band 5	LCH	22.36	0.172	20.37	0.109	21.72	0.149	21.38	0.137	22.59	0.182
	MCH	22.78	0.190	20.94	0.124	21.94	0.156	21.42	0.139	23.01	0.200
	HCH	22.45	0.176	20.75	0.119	21.69	0.148	21.40	0.138	22.67	0.185

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	23.23	1.59	24.82	0.303	2.00	Pass
			RB1#3	23.5	1.59	25.09	0.323	2.00	Pass
			RB1#5	23.4	1.59	24.99	0.316	2.00	Pass
			RB3#0	23.36	1.59	24.95	0.313	2.00	Pass
			RB3#2	23.25	1.59	24.84	0.305	2.00	Pass
			RB3#3	23.25	1.59	24.84	0.305	2.00	Pass
		RB6#0	22.27	1.59	23.86	0.243	2.00	Pass	
		16-QAM	RB1#0	22.22	1.59	23.81	0.240	2.00	Pass
			RB1#3	22.2	1.59	23.79	0.239	2.00	Pass
			RB1#5	22.14	1.59	23.73	0.236	2.00	Pass
			RB3#0	22.08	1.59	23.67	0.233	2.00	Pass
			RB3#2	22.11	1.59	23.70	0.234	2.00	Pass
	RB3#3		22.13	1.59	23.72	0.236	2.00	Pass	
	RB6#0	21.33	1.59	22.92	0.196	2.00	Pass		
	MCH	QPSK	RB1#0	23.05	1.59	24.64	0.291	2.00	Pass
			RB1#3	23.36	1.59	24.95	0.313	2.00	Pass
			RB1#5	23.25	1.59	24.84	0.305	2.00	Pass
			RB3#0	23.31	1.59	24.90	0.309	2.00	Pass
			RB3#2	23.26	1.59	24.85	0.305	2.00	Pass
			RB3#3	23.22	1.59	24.81	0.303	2.00	Pass
		RB6#0	22.31	1.59	23.90	0.245	2.00	Pass	
		16-QAM	RB1#0	22.25	1.59	23.84	0.242	2.00	Pass
			RB1#3	22.33	1.59	23.92	0.247	2.00	Pass
			RB1#5	22.05	1.59	23.64	0.231	2.00	Pass
			RB3#0	22.15	1.59	23.74	0.237	2.00	Pass
			RB3#2	22.18	1.59	23.77	0.238	2.00	Pass
	RB3#3		22.12	1.59	23.71	0.235	2.00	Pass	
	RB6#0	21.03	1.59	22.62	0.183	2.00	Pass		
	HCH	QPSK	RB1#0	23.17	1.59	24.76	0.299	2.00	Pass
			RB1#3	23.44	1.59	25.03	0.318	2.00	Pass
			RB1#5	23.29	1.59	24.88	0.308	2.00	Pass
			RB3#0	23.47	1.59	25.06	0.321	2.00	Pass
			RB3#2	23.51	1.59	25.10	0.324	2.00	Pass
			RB3#3	23.42	1.59	25.01	0.317	2.00	Pass
		RB6#0	22.48	1.59	24.07	0.255	2.00	Pass	
		16-QAM	RB1#0	22.49	1.59	24.08	0.256	2.00	Pass
RB1#3	22.51	1.59	24.10	0.257	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	LCH	QPSK	RB1#5	22.49	1.59	24.08	0.256	2.00	Pass	
			RB3#0	22.96	1.59	24.55	0.285	2.00	Pass	
			RB3#2	23	1.59	24.59	0.288	2.00	Pass	
			RB3#3	22.9	1.59	24.49	0.281	2.00	Pass	
			RB6#0	21.48	1.59	23.07	0.203	2.00	Pass	
		16-QAM	RB1#0	23.26	1.59	24.85	0.305	2.00	Pass	
			RB1#7	23.26	1.59	24.85	0.305	2.00	Pass	
			RB1#14	23.37	1.59	24.96	0.313	2.00	Pass	
			RB8#0	22.34	1.59	23.93	0.247	2.00	Pass	
			RB8#4	22.44	1.59	24.03	0.253	2.00	Pass	
			RB8#7	22.31	1.59	23.90	0.245	2.00	Pass	
		MCH	QPSK	RB15#0	22.27	1.59	23.86	0.243	2.00	Pass
				RB1#0	22.27	1.59	23.86	0.243	2.00	Pass
				RB1#7	22.2	1.59	23.79	0.239	2.00	Pass
				RB1#14	22.34	1.59	23.93	0.247	2.00	Pass
	RB8#0			21.25	1.59	22.84	0.192	2.00	Pass	
	RB8#4			21.34	1.59	22.93	0.196	2.00	Pass	
	16-QAM		RB8#7	21.34	1.59	22.93	0.196	2.00	Pass	
			RB15#0	21.42	1.59	23.01	0.200	2.00	Pass	
			RB1#0	23.36	1.59	24.95	0.313	2.00	Pass	
	HCH	QPSK	RB1#7	23.42	1.59	25.01	0.317	2.00	Pass	
			RB1#14	23.37	1.59	24.96	0.313	2.00	Pass	
			RB8#0	22.52	1.59	24.11	0.258	2.00	Pass	
			RB8#4	22.47	1.59	24.06	0.255	2.00	Pass	
			RB8#7	22.43	1.59	24.02	0.252	2.00	Pass	
			RB15#0	22.43	1.59	24.02	0.252	2.00	Pass	
		QPSK	RB1#0	22.14	1.59	23.73	0.236	2.00	Pass	
			RB1#7	22.12	1.59	23.71	0.235	2.00	Pass	
			RB1#14	22.17	1.59	23.76	0.238	2.00	Pass	
			RB8#0	21.23	1.59	22.82	0.191	2.00	Pass	
RB8#4			21.27	1.59	22.86	0.193	2.00	Pass		
RB8#7			21.39	1.59	22.98	0.199	2.00	Pass		
QPSK	RB15#0	21.39	1.59	22.98	0.199	2.00	Pass			
	RB1#0	23.31	1.59	24.90	0.309	2.00	Pass			
	RB1#7	23.28	1.59	24.87	0.307	2.00	Pass			
	RB1#14	23.38	1.59	24.97	0.314	2.00	Pass			
	RB8#0	22.49	1.59	24.08	0.256	2.00	Pass			
			RB8#4	22.46	1.59	24.05	0.254	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											
		16-QAM	RB8#7	22.38	1.59	23.97	0.249	2.00	Pass		
			RB15#0	22.44	1.59	24.03	0.253	2.00	Pass		
			RB1#0	22.48	1.59	24.07	0.255	2.00	Pass		
			RB1#7	22.25	1.59	23.84	0.242	2.00	Pass		
			RB1#14	22.16	1.59	23.75	0.237	2.00	Pass		
			RB8#0	21.57	1.59	23.16	0.207	2.00	Pass		
			RB8#4	21.54	1.59	23.13	0.206	2.00	Pass		
			RB8#7	21.56	1.59	23.15	0.207	2.00	Pass		
		5 MHz	LCH	QPSK	RB1#0	23.2	1.59	24.79	0.301	2.00	Pass
					RB1#13	23.18	1.59	24.77	0.300	2.00	Pass
					RB1#24	23.11	1.59	24.70	0.295	2.00	Pass
					RB12#0	22.28	1.59	23.87	0.244	2.00	Pass
					RB12#6	22.27	1.59	23.86	0.243	2.00	Pass
					RB12#13	22.24	1.59	23.83	0.242	2.00	Pass
					RB25#0	22.3	1.59	23.89	0.245	2.00	Pass
				16-QAM	RB1#0	21.81	1.59	23.40	0.219	2.00	Pass
RB1#13	21.72				1.59	23.31	0.214	2.00	Pass		
RB1#24	21.71				1.59	23.30	0.214	2.00	Pass		
RB12#0	21.16				1.59	22.75	0.188	2.00	Pass		
RB12#6	21.18				1.59	22.77	0.189	2.00	Pass		
RB12#13	21.23				1.59	22.82	0.191	2.00	Pass		
MCH	QPSK			RB1#0	23.02	1.59	24.61	0.289	2.00	Pass	
				RB1#13	23.37	1.59	24.96	0.313	2.00	Pass	
				RB1#24	23.36	1.59	24.95	0.313	2.00	Pass	
		RB12#0	22.33	1.59	23.92	0.247	2.00	Pass			
		RB12#6	22.47	1.59	24.06	0.255	2.00	Pass			
		RB12#13	22.4	1.59	23.99	0.251	2.00	Pass			
		RB25#0	22.32	1.59	23.91	0.246	2.00	Pass			
	16-QAM	RB1#0	22.3	1.59	23.89	0.245	2.00	Pass			
		RB1#13	22.29	1.59	23.88	0.244	2.00	Pass			
		RB1#24	22.35	1.59	23.94	0.248	2.00	Pass			
		RB12#0	21.18	1.59	22.77	0.189	2.00	Pass			
		RB12#6	21.23	1.59	22.82	0.191	2.00	Pass			
		RB12#13	21.26	1.59	22.85	0.193	2.00	Pass			
		RB25#0	21.31	1.59	22.90	0.195	2.00	Pass			
	HCH	QPSK	RB1#0	23.21	1.59	24.80	0.302	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	23.34	1.59	24.93	0.311	2.00	Pass
			RB1#24	23.39	1.59	24.98	0.315	2.00	Pass
			RB12#0	22.46	1.59	24.05	0.254	2.00	Pass
			RB12#6	22.51	1.59	24.10	0.257	2.00	Pass
			RB12#13	22.37	1.59	23.96	0.249	2.00	Pass
			RB25#0	22.44	1.59	24.03	0.253	2.00	Pass
		16-QAM	RB1#0	22.2	1.59	23.79	0.239	2.00	Pass
			RB1#13	21.88	1.59	23.47	0.222	2.00	Pass
			RB1#24	21.84	1.59	23.43	0.220	2.00	Pass
			RB12#0	21.36	1.59	22.95	0.197	2.00	Pass
			RB12#6	21.38	1.59	22.97	0.198	2.00	Pass
			RB12#13	21.32	1.59	22.91	0.195	2.00	Pass
			RB25#0	21.34	1.59	22.93	0.196	2.00	Pass
			10 MHz	LCH	QPSK	RB1#0	23.47	1.59	25.06
RB1#25	23.43	1.59				25.02	0.318	2.00	Pass
RB1#49	23.05	1.59				24.64	0.291	2.00	Pass
RB25#0	22.43	1.59				24.02	0.252	2.00	Pass
RB25#13	22.39	1.59				23.98	0.250	2.00	Pass
RB25#25	22.32	1.59				23.91	0.246	2.00	Pass
16-QAM	RB50#0	22.28			1.59	23.87	0.244	2.00	Pass
	RB1#0	22.67			1.59	24.26	0.267	2.00	Pass
	RB1#25	22.75			1.59	24.34	0.272	2.00	Pass
	RB1#49	22.1			1.59	23.69	0.234	2.00	Pass
	RB25#0	21.4			1.59	22.99	0.199	2.00	Pass
	RB25#13	21.42			1.59	23.01	0.200	2.00	Pass
	RB25#25	21.25			1.59	22.84	0.192	2.00	Pass
	RB27#0	21.36			1.59	22.95	0.197	2.00	Pass
10 MHz	MCH	QPSK	RB1#0	23.26	1.59	24.85	0.305	2.00	Pass
			RB1#25	23.71	1.59	25.30	0.339	2.00	Pass
			RB1#49	23.49	1.59	25.08	0.322	2.00	Pass
			RB25#0	22.36	1.59	23.95	0.248	2.00	Pass
			RB25#13	22.45	1.59	24.04	0.254	2.00	Pass
			RB25#25	22.38	1.59	23.97	0.249	2.00	Pass
		16-QAM	RB50#0	22.32	1.59	23.91	0.246	2.00	Pass
			RB1#0	22.41	1.59	24.00	0.251	2.00	Pass
			RB1#25	22.2	1.59	23.79	0.239	2.00	Pass
			RB1#49	22.13	1.59	23.72	0.236	2.00	Pass
			RB25#0	21.52	1.59	23.11	0.205	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	QPSK	RB25#13	21.64	1.59	23.23	0.210	2.00	Pass	
			RB25#25	21.53	1.59	23.12	0.205	2.00	Pass	
			RB27#0	21.35	1.59	22.94	0.197	2.00	Pass	
		QPSK	RB1#0	23.22	1.59	24.81	0.303	2.00	Pass	
			RB1#25	23.73	1.59	25.32	0.340	2.00	Pass	
			RB1#49	23.54	1.59	25.13	0.326	2.00	Pass	
			RB25#0	22.33	1.59	23.92	0.247	2.00	Pass	
			RB25#13	22.38	1.59	23.97	0.249	2.00	Pass	
			RB25#25	22.4	1.59	23.99	0.251	2.00	Pass	
		16-QAM	RB50#0	22.43	1.59	24.02	0.252	2.00	Pass	
			RB1#0	22.24	1.59	23.83	0.242	2.00	Pass	
			RB1#25	22.45	1.59	24.04	0.254	2.00	Pass	
			RB1#49	22.47	1.59	24.06	0.255	2.00	Pass	
			RB25#0	21.54	1.59	23.13	0.206	2.00	Pass	
			RB25#13	21.42	1.59	23.01	0.200	2.00	Pass	
	LCH	QPSK	RB25#25	21.33	1.59	22.92	0.196	2.00	Pass	
			RB27#0	21.23	1.59	22.82	0.191	2.00	Pass	
			RB1#0	23.51	1.59	25.10	0.324	2.00	Pass	
			RB1#38	23.36	1.59	24.95	0.313	2.00	Pass	
			RB1#74	23.1	1.59	24.69	0.294	2.00	Pass	
			RB36#0	22.36	1.59	23.95	0.248	2.00	Pass	
RB36#19			22.36	1.59	23.95	0.248	2.00	Pass		
16-QAM		RB36#39	22.27	1.59	23.86	0.243	2.00	Pass		
		RB75#0	22.11	1.59	23.70	0.234	2.00	Pass		
		RB1#0	22.43	1.59	24.02	0.252	2.00	Pass		
		RB1#38	22.3	1.59	23.89	0.245	2.00	Pass		
		RB1#74	22.15	1.59	23.74	0.237	2.00	Pass		
		RB27#0	21.42	1.59	23.01	0.200	2.00	Pass		
		MCH	QPSK	RB1#0	23.09	1.59	24.68	0.294	2.00	Pass
				RB1#38	23.42	1.59	25.01	0.317	2.00	Pass
RB1#74	23.42			1.59	25.01	0.317	2.00	Pass		
RB36#0	22.43			1.59	24.02	0.252	2.00	Pass		
RB36#19	22.45			1.59	24.04	0.254	2.00	Pass		
RB36#39	22.43			1.59	24.02	0.252	2.00	Pass		
16-QAM	RB75#0		22.15	1.59	23.74	0.237	2.00	Pass		
	RB1#0		22.23	1.59	23.82	0.241	2.00	Pass		
MCH	16-QAM	RB1#38	22.26	1.59	23.85	0.243	2.00	Pass		
		RB1#74	22.02	1.59	23.61	0.230	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											
	HCH	QPSK	RB27#0	21.48	1.59	23.07	0.203	2.00	Pass		
			RB1#0	23.39	1.59	24.98	0.315	2.00	Pass		
			RB1#38	23.23	1.59	24.82	0.303	2.00	Pass		
			RB1#74	23.08	1.59	24.67	0.293	2.00	Pass		
			RB36#0	22.51	1.59	24.10	0.257	2.00	Pass		
			RB36#19	22.35	1.59	23.94	0.248	2.00	Pass		
			RB36#39	22.36	1.59	23.95	0.248	2.00	Pass		
		RB75#0	22.2	1.59	23.79	0.239	2.00	Pass			
		16-QAM	RB1#0	22.58	1.59	24.17	0.261	2.00	Pass		
			RB1#38	22.73	1.59	24.32	0.270	2.00	Pass		
			RB1#74	22.71	1.59	24.30	0.269	2.00	Pass		
			RB27#0	21.33	1.59	22.92	0.196	2.00	Pass		
		20 MHz	LCH	QPSK	RB1#0	23.43	1.59	25.02	0.318	2.00	Pass
					RB1#50	23.36	1.59	24.95	0.313	2.00	Pass
RB1#99	23.14				1.59	24.73	0.297	2.00	Pass		
RB50#0	22.44				1.59	24.03	0.253	2.00	Pass		
RB50#25	22.44				1.59	24.03	0.253	2.00	Pass		
RB50#50	22.18				1.59	23.77	0.238	2.00	Pass		
RB100#0	22.2				1.59	23.79	0.239	2.00	Pass		
16-QAM	RB1#0			22.36	1.59	23.95	0.248	2.00	Pass		
	RB1#50			22.22	1.59	23.81	0.240	2.00	Pass		
	RB1#99			21.81	1.59	23.40	0.219	2.00	Pass		
	RB27#0			21.43	1.59	23.02	0.200	2.00	Pass		
MCH	QPSK			RB1#0	23.36	1.59	24.95	0.313	2.00	Pass	
				RB1#50	23.71	1.59	25.30	0.339	2.00	Pass	
				RB1#99	23.55	1.59	25.14	0.327	2.00	Pass	
		RB50#0	22.33	1.59	23.92	0.247	2.00	Pass			
		RB50#25	22.49	1.59	24.08	0.256	2.00	Pass			
		RB50#50	22.36	1.59	23.95	0.248	2.00	Pass			
		RB100#0	22.21	1.59	23.80	0.240	2.00	Pass			
	16-QAM	RB1#0	22.4	1.59	23.99	0.251	2.00	Pass			
		RB1#50	22.16	1.59	23.75	0.237	2.00	Pass			
		RB1#99	21.87	1.59	23.46	0.222	2.00	Pass			
HCH	QPSK	RB27#0	21.1	1.59	22.69	0.186	2.00	Pass			
		RB1#0	23.09	1.59	24.68	0.294	2.00	Pass			
		RB1#50	23.27	1.59	24.86	0.306	2.00	Pass			
		RB1#99	23.08	1.59	24.67	0.293	2.00	Pass			
			RB50#0	22.26	1.59	23.85	0.243	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#25	22.39	1.59	23.98	0.250	2.00	Pass
			RB50#50	22.2	1.59	23.79	0.239	2.00	Pass
			RB100#0	22.23	1.59	23.82	0.241	2.00	Pass
		16-QAM	RB1#0	22.77	1.59	24.36	0.273	2.00	Pass
			RB1#50	22.07	1.59	23.66	0.232	2.00	Pass
			RB1#99	21.98	1.59	23.57	0.228	2.00	Pass
			RB27#0	21.31	1.59	22.90	0.195	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	23.13	2	25.13	0.326	1.00	Pass
			RB1#3	23.34	2	25.34	0.342	1.00	Pass
			RB1#5	23.27	2	25.27	0.337	1.00	Pass
			RB3#0	23.29	2	25.29	0.338	1.00	Pass
			RB3#2	23.31	2	25.31	0.340	1.00	Pass
			RB3#3	23.26	2	25.26	0.336	1.00	Pass
			RB6#0	22.27	2	24.27	0.267	1.00	Pass
		16-QAM	RB1#0	22.33	2	24.33	0.271	1.00	Pass
			RB1#3	22.27	2	24.27	0.267	1.00	Pass
			RB1#5	22.21	2	24.21	0.264	1.00	Pass
			RB3#0	22.07	2	24.07	0.255	1.00	Pass
			RB3#2	22.1	2	24.10	0.257	1.00	Pass
			RB3#3	22.06	2	24.06	0.255	1.00	Pass
			RB6#0	21.06	2	23.06	0.202	1.00	Pass
	MCH	QPSK	RB1#0	23.01	2	25.01	0.317	1.00	Pass
			RB1#3	23.26	2	25.26	0.336	1.00	Pass
			RB1#5	23.22	2	25.22	0.333	1.00	Pass
			RB3#0	23.17	2	25.17	0.329	1.00	Pass
			RB3#2	23.24	2	25.24	0.334	1.00	Pass
			RB3#3	23.2	2	25.20	0.331	1.00	Pass
			RB6#0	22.22	2	24.22	0.264	1.00	Pass
		16-QAM	RB1#0	22.08	2	24.08	0.256	1.00	Pass
			RB1#3	21.85	2	23.85	0.243	1.00	Pass
			RB1#5	21.73	2	23.73	0.236	1.00	Pass
			RB3#0	22.01	2	24.01	0.252	1.00	Pass
			RB3#2	22.16	2	24.16	0.261	1.00	Pass
			RB3#3	22.1	2	24.10	0.257	1.00	Pass
			RB6#0	20.93	2	22.93	0.196	1.00	Pass
	HCH	QPSK	RB1#0	23.08	2	25.08	0.322	1.00	Pass
			RB1#3	23.23	2	25.23	0.333	1.00	Pass
RB1#5			23.13	2	25.13	0.326	1.00	Pass	
RB3#0			23.29	2	25.29	0.338	1.00	Pass	
RB3#2			23.38	2	25.38	0.345	1.00	Pass	
RB3#3			23.4	2	25.40	0.347	1.00	Pass	
RB6#0			22.38	2	24.38	0.274	1.00	Pass	
16-QAM		RB1#0	22.2	2	24.20	0.263	1.00	Pass	
		RB1#3	22.36	2	24.36	0.273	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	22.22	2	24.22	0.264	1.00	Pass
			RB3#0	22.42	2	24.42	0.277	1.00	Pass
			RB3#2	22.51	2	24.51	0.282	1.00	Pass
			RB3#3	22.44	2	24.44	0.278	1.00	Pass
			RB6#0	21.36	2	23.36	0.217	1.00	Pass
	LCH	QPSK	RB1#0	23.26	2	25.26	0.336	1.00	Pass
			RB1#7	23.14	2	25.14	0.327	1.00	Pass
			RB1#14	23.32	2	25.32	0.340	1.00	Pass
			RB8#0	22.32	2	24.32	0.270	1.00	Pass
			RB8#4	22.35	2	24.35	0.272	1.00	Pass
			RB8#7	22.32	2	24.32	0.270	1.00	Pass
			RB15#0	22.32	2	24.32	0.270	1.00	Pass
		16-QAM	RB1#0	22.46	2	24.46	0.279	1.00	Pass
			RB1#7	22.28	2	24.28	0.268	1.00	Pass
			RB1#14	22.35	2	24.35	0.272	1.00	Pass
			RB8#0	21.36	2	23.36	0.217	1.00	Pass
			RB8#4	21.38	2	23.38	0.218	1.00	Pass
			RB8#7	21.42	2	23.42	0.220	1.00	Pass
	MCH	QPSK	RB1#0	23.08	2	25.08	0.322	1.00	Pass
			RB1#7	23	2	25.00	0.316	1.00	Pass
			RB1#14	23.14	2	25.14	0.327	1.00	Pass
			RB8#0	22.23	2	24.23	0.265	1.00	Pass
			RB8#4	22.29	2	24.29	0.269	1.00	Pass
			RB8#7	22.29	2	24.29	0.269	1.00	Pass
			RB15#0	22.26	2	24.26	0.267	1.00	Pass
		16-QAM	RB1#0	22.09	2	24.09	0.256	1.00	Pass
			RB1#7	21.89	2	23.89	0.245	1.00	Pass
			RB1#14	22	2	24.00	0.251	1.00	Pass
RB8#0			21.1	2	23.10	0.204	1.00	Pass	
RB8#4			21.17	2	23.17	0.207	1.00	Pass	
HCH	QPSK	RB8#7	21.16	2	23.16	0.207	1.00	Pass	
		RB15#0	21.17	2	23.17	0.207	1.00	Pass	
		RB1#0	22.99	2	24.99	0.316	1.00	Pass	
		RB1#7	23	2	25.00	0.316	1.00	Pass	
		RB1#14	23.22	2	25.22	0.333	1.00	Pass	
			RB8#0	22.31	2	24.31	0.270	1.00	Pass
			RB8#4	22.27	2	24.27	0.267	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											
		16-QAM	RB8#7	22.17	2	24.17	0.261	1.00	Pass		
			RB15#0	22.26	2	24.26	0.267	1.00	Pass		
			RB1#0	22.11	2	24.11	0.258	1.00	Pass		
			RB1#7	22.02	2	24.02	0.252	1.00	Pass		
			RB1#14	22.11	2	24.11	0.258	1.00	Pass		
			RB8#0	21.13	2	23.13	0.206	1.00	Pass		
			RB8#4	21.21	2	23.21	0.209	1.00	Pass		
			RB8#7	21.12	2	23.12	0.205	1.00	Pass		
					RB15#0	20.99	2	22.99	0.199	1.00	Pass
		5 MHz	LCH	QPSK	RB1#0	23.04	2	25.04	0.319	1.00	Pass
					RB1#13	23.16	2	25.16	0.328	1.00	Pass
					RB1#24	22.97	2	24.97	0.314	1.00	Pass
					RB12#0	22.23	2	24.23	0.265	1.00	Pass
					RB12#6	22.26	2	24.26	0.267	1.00	Pass
					RB12#13	22.25	2	24.25	0.266	1.00	Pass
RB25#0	22.23				2	24.23	0.265	1.00	Pass		
				16-QAM	RB1#0	21.9	2	23.90	0.245	1.00	Pass
					RB1#13	21.7	2	23.70	0.234	1.00	Pass
					RB1#24	21.71	2	23.71	0.235	1.00	Pass
					RB12#0	21.12	2	23.12	0.205	1.00	Pass
					RB12#6	21.16	2	23.16	0.207	1.00	Pass
					RB12#13	21.14	2	23.14	0.206	1.00	Pass
					RB25#0	21.28	2	23.28	0.213	1.00	Pass
	MCH		QPSK	RB1#0	23.01	2	25.01	0.317	1.00	Pass	
					RB1#13	23.04	2	25.04	0.319	1.00	Pass
					RB1#24	23.17	2	25.17	0.329	1.00	Pass
					RB12#0	22.27	2	24.27	0.267	1.00	Pass
					RB12#6	22.16	2	24.16	0.261	1.00	Pass
					RB12#13	22.16	2	24.16	0.261	1.00	Pass
					RB25#0	22.23	2	24.23	0.265	1.00	Pass
			16-QAM	RB1#0	22.28	2	24.28	0.268	1.00	Pass	
				RB1#13	22.16	2	24.16	0.261	1.00	Pass	
				RB1#24	22.31	2	24.31	0.270	1.00	Pass	
		RB12#0		21.03	2	23.03	0.201	1.00	Pass		
		RB12#6		21.03	2	23.03	0.201	1.00	Pass		
		RB12#13		21.04	2	23.04	0.201	1.00	Pass		
		RB25#0		21.23	2	23.23	0.210	1.00	Pass		
	HCH	QPSK	RB1#0	23.12	2	25.12	0.325	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	23.21	2	25.21	0.332	1.00	Pass
			RB1#24	23.4	2	25.40	0.347	1.00	Pass
			RB12#0	22.27	2	24.27	0.267	1.00	Pass
			RB12#6	22.21	2	24.21	0.264	1.00	Pass
			RB12#13	22.35	2	24.35	0.272	1.00	Pass
			RB25#0	22.25	2	24.25	0.266	1.00	Pass
		16-QAM	RB1#0	22.08	2	24.08	0.256	1.00	Pass
			RB1#13	21.84	2	23.84	0.242	1.00	Pass
			RB1#24	22	2	24.00	0.251	1.00	Pass
			RB12#0	21.1	2	23.10	0.204	1.00	Pass
			RB12#6	21.03	2	23.03	0.201	1.00	Pass
			RB12#13	21.08	2	23.08	0.203	1.00	Pass
			RB25#0	21.19	2	23.19	0.208	1.00	Pass
			10 MHz	LCH	QPSK	RB1#0	23.31	2	25.31
RB1#25	23.11	2				25.11	0.324	1.00	Pass
RB1#49	23	2				25.00	0.316	1.00	Pass
RB25#0	22.29	2				24.29	0.269	1.00	Pass
RB25#13	22.21	2				24.21	0.264	1.00	Pass
RB25#25	22.19	2				24.19	0.262	1.00	Pass
16-QAM	RB50#0	22.18			2	24.18	0.262	1.00	Pass
	RB1#0	22.22			2	24.22	0.264	1.00	Pass
	RB1#25	22.41			2	24.41	0.276	1.00	Pass
	RB1#49	22.43			2	24.43	0.277	1.00	Pass
	RB25#0	21.2			2	23.20	0.209	1.00	Pass
	RB25#13	21.14			2	23.14	0.206	1.00	Pass
	RB25#25	21.09			2	23.09	0.204	1.00	Pass
	RB27#0	21.28			2	23.28	0.213	1.00	Pass
10 MHz	MCH	QPSK	RB1#0	23.26	2	25.26	0.336	1.00	Pass
			RB1#25	23.36	2	25.36	0.344	1.00	Pass
			RB1#49	23.08	2	25.08	0.322	1.00	Pass
			RB25#0	22.27	2	24.27	0.267	1.00	Pass
			RB25#13	22.2	2	24.20	0.263	1.00	Pass
			RB25#25	22.18	2	24.18	0.262	1.00	Pass
		16-QAM	RB50#0	22.23	2	24.23	0.265	1.00	Pass
			RB1#0	22.08	2	24.08	0.256	1.00	Pass
			RB1#25	22.06	2	24.06	0.255	1.00	Pass
			RB1#49	21.48	2	23.48	0.223	1.00	Pass
			RB25#0	21.22	2	23.22	0.210	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										
	HCH	QPSK	RB25#13	21.27	2	23.27	0.212	1.00	Pass	
			RB25#25	21.13	2	23.13	0.206	1.00	Pass	
			RB27#0	21.26	2	23.26	0.212	1.00	Pass	
		16-QAM	RB1#0	23.02	2	25.02	0.318	1.00	Pass	
			RB1#25	23.09	2	25.09	0.323	1.00	Pass	
			RB1#49	23.14	2	25.14	0.327	1.00	Pass	
			RB25#0	22.16	2	24.16	0.261	1.00	Pass	
			RB25#13	22.21	2	24.21	0.264	1.00	Pass	
			RB25#25	22.32	2	24.32	0.270	1.00	Pass	
			RB50#0	22.19	2	24.19	0.262	1.00	Pass	
	16-QAM	RB1#0	22.14	2	24.14	0.259	1.00	Pass		
		RB1#25	22.24	2	24.24	0.265	1.00	Pass		
		RB1#49	22.39	2	24.39	0.275	1.00	Pass		
		RB25#0	21.39	2	23.39	0.218	1.00	Pass		
		RB25#13	21.45	2	23.45	0.221	1.00	Pass		
		RB25#25	21.54	2	23.54	0.226	1.00	Pass		
		RB27#0	21.43	2	23.43	0.220	1.00	Pass		
	15 MHz	LCH	QPSK	RB1#0	23.19	2	25.19	0.330	1.00	Pass
				RB1#38	23.22	2	25.22	0.333	1.00	Pass
				RB1#74	23.28	2	25.28	0.337	1.00	Pass
RB36#0				22.22	2	24.22	0.264	1.00	Pass	
RB36#19				22.29	2	24.29	0.269	1.00	Pass	
RB36#39				22.23	2	24.23	0.265	1.00	Pass	
RB75#0				22.2	2	24.20	0.263	1.00	Pass	
16-QAM			RB1#0	22	2	24.00	0.251	1.00	Pass	
			RB1#38	22.3	2	24.30	0.269	1.00	Pass	
			RB1#74	22.21	2	24.21	0.264	1.00	Pass	
MCH		QPSK	RB27#0	21.17	2	23.17	0.207	1.00	Pass	
			RB1#0	23.06	2	25.06	0.321	1.00	Pass	
			RB1#38	23.12	2	25.12	0.325	1.00	Pass	
			RB1#74	23.05	2	25.05	0.320	1.00	Pass	
			RB36#0	22.28	2	24.28	0.268	1.00	Pass	
			RB36#19	22.17	2	24.17	0.261	1.00	Pass	
			RB36#39	22.14	2	24.14	0.259	1.00	Pass	
		RB75#0	22.15	2	24.15	0.260	1.00	Pass		
		16-QAM	RB1#0	22.14	2	24.14	0.259	1.00	Pass	
			RB1#38	22.1	2	24.10	0.257	1.00	Pass	
RB1#74	21.53		2	23.53	0.225	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												
	HCH	QPSK	RB27#0	21.39	2	23.39	0.218	1.00	Pass			
			RB1#0	23.13	2	25.13	0.326	1.00	Pass			
			RB1#38	23.1	2	25.10	0.324	1.00	Pass			
			RB1#74	23.09	2	25.09	0.323	1.00	Pass			
			RB36#0	22.13	2	24.13	0.259	1.00	Pass			
			RB36#19	22.17	2	24.17	0.261	1.00	Pass			
			RB36#39	22.11	2	24.11	0.258	1.00	Pass			
		16-QAM	RB75#0	22.15	2	24.15	0.260	1.00	Pass			
			RB1#0	22.75	2	24.75	0.299	1.00	Pass			
			RB1#38	22.94	2	24.94	0.312	1.00	Pass			
			RB1#74	22.66	2	24.66	0.292	1.00	Pass			
			RB27#0	21.11	2	23.11	0.205	1.00	Pass			
			20 MHz	LCH	QPSK	RB1#0	22.88	2	24.88	0.308	1.00	Pass
						RB1#50	23.35	2	25.35	0.343	1.00	Pass
RB1#99	23.09	2				25.09	0.323	1.00	Pass			
RB50#0	22.13	2				24.13	0.259	1.00	Pass			
RB50#25	22.34	2				24.34	0.272	1.00	Pass			
RB50#50	22.32	2				24.32	0.270	1.00	Pass			
RB100#0	22.18	2				24.18	0.262	1.00	Pass			
16-QAM	RB1#0	22.25		2	24.25	0.266	1.00	Pass				
	RB1#50	22.25		2	24.25	0.266	1.00	Pass				
	RB1#99	21.85		2	23.85	0.243	1.00	Pass				
	RB27#0	21.32		2	23.32	0.215	1.00	Pass				
MCH	QPSK	RB1#0		23.28	2	25.28	0.337	1.00	Pass			
		RB1#50		23.44	2	25.44	0.350	1.00	Pass			
		RB1#99		23.02	2	25.02	0.318	1.00	Pass			
		RB50#0	22.15	2	24.15	0.260	1.00	Pass				
		RB50#25	22.19	2	24.19	0.262	1.00	Pass				
		RB50#50	22.13	2	24.13	0.259	1.00	Pass				
		RB100#0	22.16	2	24.16	0.261	1.00	Pass				
16-QAM	RB1#0	21.79	2	23.79	0.239	1.00	Pass					
	RB1#50	21.87	2	23.87	0.244	1.00	Pass					
	RB1#99	21.63	2	23.63	0.231	1.00	Pass					
	RB27#0	21.29	2	23.29	0.213	1.00	Pass					
HCH	QPSK	RB1#0	23.08	2	25.08	0.322	1.00	Pass				
		RB1#50	23.08	2	25.08	0.322	1.00	Pass				
		RB1#99	22.9	2	24.90	0.309	1.00	Pass				
		RB50#0	22.2	2	24.20	0.263	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#25	22.21	2	24.21	0.264	1.00	Pass
			RB50#50	22.11	2	24.11	0.258	1.00	Pass
			RB100#0	22.15	2	24.15	0.260	1.00	Pass
		16-QAM	RB1#0	21.98	2	23.98	0.250	1.00	Pass
			RB1#50	21.89	2	23.89	0.245	1.00	Pass
			RB1#99	21.85	2	23.85	0.243	1.00	Pass
			RB27#0	21.3	2	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)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND5										
1.4 MHz	LCH	QPSK	RB1#0	23.55	2.53	0.38	23.93	0.247	7.00	Pass
			RB1#3	23.59	2.53	0.38	23.97	0.249	7.00	Pass
			RB1#5	23.27	2.53	0.38	23.65	0.232	7.00	Pass
			RB3#0	23.45	2.53	0.38	23.83	0.242	7.00	Pass
			RB3#2	23.44	2.53	0.38	23.82	0.241	7.00	Pass
			RB3#3	23.37	2.53	0.38	23.75	0.237	7.00	Pass
		RB6#0	22.43	2.53	0.38	22.81	0.191	7.00	Pass	
		16-QAM	RB1#0	22.65	2.53	0.38	23.03	0.201	7.00	Pass
			RB1#3	22.75	2.53	0.38	23.13	0.206	7.00	Pass
			RB1#5	22.53	2.53	0.38	22.91	0.195	7.00	Pass
			RB3#0	22.68	2.53	0.38	23.06	0.202	7.00	Pass
			RB3#2	22.67	2.53	0.38	23.05	0.202	7.00	Pass
	RB3#3		22.6	2.53	0.38	22.98	0.199	7.00	Pass	
	RB6#0	21.64	2.53	0.38	22.02	0.159	7.00	Pass		
	MCH	QPSK	RB1#0	23.14	2.53	0.38	23.52	0.225	7.00	Pass
			RB1#3	23.53	2.53	0.38	23.91	0.246	7.00	Pass
			RB1#5	23.32	2.53	0.38	23.70	0.234	7.00	Pass
			RB3#0	23.33	2.53	0.38	23.71	0.235	7.00	Pass
			RB3#2	23.42	2.53	0.38	23.80	0.240	7.00	Pass
			RB3#3	23.39	2.53	0.38	23.77	0.238	7.00	Pass
		RB6#0	22.47	2.53	0.38	22.85	0.193	7.00	Pass	
		16-QAM	RB1#0	22.22	2.53	0.38	22.60	0.182	7.00	Pass
			RB1#3	22.38	2.53	0.38	22.76	0.189	7.00	Pass
			RB1#5	22.22	2.53	0.38	22.60	0.182	7.00	Pass
			RB3#0	22.06	2.53	0.38	22.44	0.175	7.00	Pass
			RB3#2	22.19	2.53	0.38	22.57	0.181	7.00	Pass
	RB3#3		22.19	2.53	0.38	22.57	0.181	7.00	Pass	
	RB6#0	21.01	2.53	0.38	21.39	0.138	7.00	Pass		
	HCH	QPSK	RB1#0	23.2	2.53	0.38	23.58	0.228	7.00	Pass
			RB1#3	23.48	2.53	0.38	23.86	0.243	7.00	Pass
			RB1#5	23.39	2.53	0.38	23.77	0.238	7.00	Pass
			RB3#0	23.4	2.53	0.38	23.78	0.239	7.00	Pass
			RB3#2	23.54	2.53	0.38	23.92	0.247	7.00	Pass
			RB3#3	23.45	2.53	0.38	23.83	0.242	7.00	Pass
		RB6#0	22.41	2.53	0.38	22.79	0.190	7.00	Pass	
		16-QAM	RB1#0	22.33	2.53	0.38	22.71	0.187	7.00	Pass
RB1#3			22.45	2.53	0.38	22.83	0.192	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	22.34	2.53	0.38	22.72	0.187	7.00	Pass
			RB3#0	22.36	2.53	0.38	22.74	0.188	7.00	Pass
			RB3#2	22.51	2.53	0.38	22.89	0.195	7.00	Pass
			RB3#3	22.5	2.53	0.38	22.88	0.194	7.00	Pass
			RB6#0	21.29	2.53	0.38	21.67	0.147	7.00	Pass
	LCH	QPSK	RB1#0	23.47	2.53	0.38	23.85	0.243	7.00	Pass
			RB1#7	23.17	2.53	0.38	23.55	0.226	7.00	Pass
			RB1#14	23.23	2.53	0.38	23.61	0.230	7.00	Pass
			RB8#0	22.43	2.53	0.38	22.81	0.191	7.00	Pass
			RB8#4	22.39	2.53	0.38	22.77	0.189	7.00	Pass
			RB8#7	22.3	2.53	0.38	22.68	0.185	7.00	Pass
		RB15#0	22.36	2.53	0.38	22.74	0.188	7.00	Pass	
		16-QAM	RB1#0	22.39	2.53	0.38	22.77	0.189	7.00	Pass
			RB1#7	22.15	2.53	0.38	22.53	0.179	7.00	Pass
			RB1#14	22.12	2.53	0.38	22.50	0.178	7.00	Pass
			RB8#0	21.39	2.53	0.38	21.77	0.150	7.00	Pass
			RB8#4	21.36	2.53	0.38	21.74	0.149	7.00	Pass
			RB8#7	21.46	2.53	0.38	21.84	0.153	7.00	Pass
	RB15#0	21.55	2.53	0.38	21.93	0.156	7.00	Pass		
	MCH	QPSK	RB1#0	23.12	2.53	0.38	23.50	0.224	7.00	Pass
			RB1#7	23.26	2.53	0.38	23.64	0.231	7.00	Pass
			RB1#14	23.34	2.53	0.38	23.72	0.236	7.00	Pass
			RB8#0	22.33	2.53	0.38	22.71	0.187	7.00	Pass
			RB8#4	22.35	2.53	0.38	22.73	0.187	7.00	Pass
			RB8#7	22.37	2.53	0.38	22.75	0.188	7.00	Pass
		RB15#0	22.29	2.53	0.38	22.67	0.185	7.00	Pass	
		16-QAM	RB1#0	22.08	2.53	0.38	22.46	0.176	7.00	Pass
			RB1#7	22.07	2.53	0.38	22.45	0.176	7.00	Pass
RB1#14			22.07	2.53	0.38	22.45	0.176	7.00	Pass	
RB8#0			21.27	2.53	0.38	21.65	0.146	7.00	Pass	
RB8#4			21.39	2.53	0.38	21.77	0.150	7.00	Pass	
RB8#7	21.4		2.53	0.38	21.78	0.151	7.00	Pass		
RB15#0	21.37	2.53	0.38	21.75	0.150	7.00	Pass			
HCH	QPSK	RB1#0	23.18	2.53	0.38	23.56	0.227	7.00	Pass	
		RB1#7	23.26	2.53	0.38	23.64	0.231	7.00	Pass	
		RB1#14	23.43	2.53	0.38	23.81	0.240	7.00	Pass	
		RB8#0	22.15	2.53	0.38	22.53	0.179	7.00	Pass	
		RB8#4	22.31	2.53	0.38	22.69	0.186	7.00	Pass	

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict	
LTE BAND5											
5 MHz	LCH	16-QAM	RB8#7	22.29	2.53	0.38	22.67	0.185	7.00	Pass	
			RB15#0	22.21	2.53	0.38	22.59	0.182	7.00	Pass	
			RB1#0	22.26	2.53	0.38	22.64	0.184	7.00	Pass	
			RB1#7	22.3	2.53	0.38	22.68	0.185	7.00	Pass	
			RB1#14	22.35	2.53	0.38	22.73	0.187	7.00	Pass	
			RB8#0	20.98	2.53	0.38	21.36	0.137	7.00	Pass	
			RB8#4	21.15	2.53	0.38	21.53	0.142	7.00	Pass	
			RB8#7	21.14	2.53	0.38	21.52	0.142	7.00	Pass	
	5 MHz	LCH	QPSK	RB1#0	23.34	2.53	0.38	23.72	0.236	7.00	Pass
				RB1#13	23.1	2.53	0.38	23.48	0.223	7.00	Pass
				RB1#24	23.2	2.53	0.38	23.58	0.228	7.00	Pass
				RB12#0	22.41	2.53	0.38	22.79	0.190	7.00	Pass
				RB12#6	22.23	2.53	0.38	22.61	0.182	7.00	Pass
				RB12#13	22.38	2.53	0.38	22.76	0.189	7.00	Pass
				RB25#0	22.46	2.53	0.38	22.84	0.192	7.00	Pass
				MCH	16-QAM	RB1#0	22.02	2.53	0.38	22.40	0.174
RB1#13		21.38	2.53			0.38	21.76	0.150	7.00	Pass	
RB1#24		21.74	2.53			0.38	22.12	0.163	7.00	Pass	
RB12#0		21.44	2.53			0.38	21.82	0.152	7.00	Pass	
RB12#6		21.27	2.53			0.38	21.65	0.146	7.00	Pass	
RB12#13		21.31	2.53			0.38	21.69	0.148	7.00	Pass	
RB25#0		21.52	2.53			0.38	21.90	0.155	7.00	Pass	
MCH		QPSK	RB1#0			23	2.53	0.38	23.38	0.218	7.00
			RB1#13	23.3	2.53	0.38	23.68	0.233	7.00	Pass	
	RB1#24		23.26	2.53	0.38	23.64	0.231	7.00	Pass		
	RB12#0		22.31	2.53	0.38	22.69	0.186	7.00	Pass		
	RB12#6		22.34	2.53	0.38	22.72	0.187	7.00	Pass		
	RB12#13		22.37	2.53	0.38	22.75	0.188	7.00	Pass		
	RB25#0		22.26	2.53	0.38	22.64	0.184	7.00	Pass		
	MCH		16-QAM	RB1#0	22.17	2.53	0.38	22.55	0.180	7.00	Pass
RB1#13		22.35		2.53	0.38	22.73	0.187	7.00	Pass		
RB1#24		22.3		2.53	0.38	22.68	0.185	7.00	Pass		
RB12#0		21.12		2.53	0.38	21.50	0.141	7.00	Pass		
RB12#6		21.14		2.53	0.38	21.52	0.142	7.00	Pass		
RB12#13		21.16		2.53	0.38	21.54	0.143	7.00	Pass		
RB25#0		21.31		2.53	0.38	21.69	0.148	7.00	Pass		
HCH		QPSK		RB1#0	23.36	2.53	0.38	23.74	0.237	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	23.12	2.53	0.38	23.50	0.224	7.00	Pass
			RB1#24	23.37	2.53	0.38	23.75	0.237	7.00	Pass
			RB12#0	22.18	2.53	0.38	22.56	0.180	7.00	Pass
			RB12#6	22.28	2.53	0.38	22.66	0.185	7.00	Pass
			RB12#13	22.24	2.53	0.38	22.62	0.183	7.00	Pass
			RB25#0	22.17	2.53	0.38	22.55	0.180	7.00	Pass
		16-QAM	RB1#0	22.19	2.53	0.38	22.57	0.181	7.00	Pass
			RB1#13	22.07	2.53	0.38	22.45	0.176	7.00	Pass
			RB1#24	22.12	2.53	0.38	22.50	0.178	7.00	Pass
			RB12#0	21.01	2.53	0.38	21.39	0.138	7.00	Pass
			RB12#6	21.1	2.53	0.38	21.48	0.141	7.00	Pass
			RB12#13	21.1	2.53	0.38	21.48	0.141	7.00	Pass
			RB25#0	21.11	2.53	0.38	21.49	0.141	7.00	Pass
			10 MHz	LCH	QPSK	RB1#0	23.51	2.53	0.38	23.89
RB1#25	23.48	2.53				0.38	23.86	0.243	7.00	Pass
RB1#49	23.45	2.53				0.38	23.83	0.242	7.00	Pass
RB25#0	22.42	2.53				0.38	22.80	0.191	7.00	Pass
RB25#13	22.34	2.53				0.38	22.72	0.187	7.00	Pass
RB25#25	22.47	2.53				0.38	22.85	0.193	7.00	Pass
RB50#0	22.39	2.53				0.38	22.77	0.189	7.00	Pass
16-QAM	RB1#0	22.3			2.53	0.38	22.68	0.185	7.00	Pass
	RB1#25	22.13			2.53	0.38	22.51	0.178	7.00	Pass
	RB1#49	22.11			2.53	0.38	22.49	0.177	7.00	Pass
	RB25#0	21.38			2.53	0.38	21.76	0.150	7.00	Pass
	RB25#13	21.31			2.53	0.38	21.69	0.148	7.00	Pass
	RB25#25	21.27			2.53	0.38	21.65	0.146	7.00	Pass
	RB27#0	21.46			2.53	0.38	21.84	0.153	7.00	Pass
MCH	QPSK	RB1#0	23.18	2.53	0.38	23.56	0.227	7.00	Pass	
		RB1#25	23.35	2.53	0.38	23.73	0.236	7.00	Pass	
		RB1#49	23.23	2.53	0.38	23.61	0.230	7.00	Pass	
		RB25#0	22.31	2.53	0.38	22.69	0.186	7.00	Pass	
		RB25#13	22.47	2.53	0.38	22.85	0.193	7.00	Pass	
		RB25#25	22.45	2.53	0.38	22.83	0.192	7.00	Pass	
		RB50#0	22.35	2.53	0.38	22.73	0.187	7.00	Pass	
	16-QAM	RB1#0	22.14	2.53	0.38	22.52	0.179	7.00	Pass	
		RB1#25	22.08	2.53	0.38	22.46	0.176	7.00	Pass	
		RB1#49	22.03	2.53	0.38	22.41	0.174	7.00	Pass	
		RB25#0	21.31	2.53	0.38	21.69	0.148	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												
			RB25#13	21.55	2.53	0.38	21.93	0.156	7.00	Pass		
			RB25#25	21.52	2.53	0.38	21.90	0.155	7.00	Pass		
			RB27#0	21.27	2.53	0.38	21.65	0.146	7.00	Pass		
		HCH	QPSK	RB1#0	23.33	2.53	0.38	23.71	0.235	7.00	Pass	
				RB1#25	23.25	2.53	0.38	23.63	0.231	7.00	Pass	
				RB1#49	23.35	2.53	0.38	23.73	0.236	7.00	Pass	
				RB25#0	22.42	2.53	0.38	22.80	0.191	7.00	Pass	
				RB25#13	22.3	2.53	0.38	22.68	0.185	7.00	Pass	
				RB25#25	22.25	2.53	0.38	22.63	0.183	7.00	Pass	
				RB50#0	22.35	2.53	0.38	22.73	0.187	7.00	Pass	
				16-QAM	RB1#0	22.58	2.53	0.38	22.96	0.198	7.00	Pass
					RB1#25	22.27	2.53	0.38	22.65	0.184	7.00	Pass
					RB1#49	22.22	2.53	0.38	22.60	0.182	7.00	Pass
					RB25#0	21.45	2.53	0.38	21.83	0.152	7.00	Pass
					RB25#13	21.35	2.53	0.38	21.73	0.149	7.00	Pass
					RB25#25	21.19	2.53	0.38	21.57	0.144	7.00	Pass
					RB27#0	21.35	2.53	0.38	21.73	0.149	7.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND12										
1.4 MHz	LCH	QPSK	RB1#0	22.97	3.95	1.8	24.77	0.300	3.000	Pass
			RB1#3	23.03	3.95	1.8	24.83	0.304	3.000	Pass
			RB1#5	23.06	3.95	1.8	24.86	0.306	3.000	Pass
			RB3#0	22.97	3.95	1.8	24.77	0.300	3.000	Pass
			RB3#2	23.02	3.95	1.8	24.82	0.303	3.000	Pass
			RB3#3	23.01	3.95	1.8	24.81	0.303	3.000	Pass
			RB6#0	21.95	3.95	1.8	23.75	0.237	3.000	Pass
		16-QAM	RB1#0	22.06	3.95	1.8	23.86	0.243	3.000	Pass
			RB1#3	22.16	3.95	1.8	23.96	0.249	3.000	Pass
			RB1#5	22.15	3.95	1.8	23.95	0.248	3.000	Pass
			RB3#0	21.99	3.95	1.8	23.79	0.239	3.000	Pass
			RB3#2	22.04	3.95	1.8	23.84	0.242	3.000	Pass
			RB3#3	22.13	3.95	1.8	23.93	0.247	3.000	Pass
			RB6#0	21.25	3.95	1.8	23.05	0.202	3.000	Pass
	MCH	QPSK	RB1#0	22.74	3.95	1.8	24.54	0.284	3.000	Pass
			RB1#3	22.85	3.95	1.8	24.65	0.292	3.000	Pass
			RB1#5	22.86	3.95	1.8	24.66	0.292	3.000	Pass
			RB3#0	22.84	3.95	1.8	24.64	0.291	3.000	Pass
			RB3#2	22.95	3.95	1.8	24.75	0.299	3.000	Pass
			RB3#3	22.93	3.95	1.8	24.73	0.297	3.000	Pass
			RB6#0	21.97	3.95	1.8	23.77	0.238	3.000	Pass
		16-QAM	RB1#0	21.85	3.95	1.8	23.65	0.232	3.000	Pass
			RB1#3	21.89	3.95	1.8	23.69	0.234	3.000	Pass
			RB1#5	21.91	3.95	1.8	23.71	0.235	3.000	Pass
			RB3#0	21.81	3.95	1.8	23.61	0.230	3.000	Pass
			RB3#2	21.8	3.95	1.8	23.60	0.229	3.000	Pass
			RB3#3	21.77	3.95	1.8	23.57	0.228	3.000	Pass
			RB6#0	20.64	3.95	1.8	22.44	0.175	3.000	Pass
	HCH	QPSK	RB1#0	22.84	3.95	1.8	24.64	0.291	3.000	Pass
			RB1#3	23.02	3.95	1.8	24.82	0.303	3.000	Pass
			RB1#5	23.07	3.95	1.8	24.87	0.307	3.000	Pass
			RB3#0	22.89	3.95	1.8	24.69	0.294	3.000	Pass
			RB3#2	23.07	3.95	1.8	24.87	0.307	3.000	Pass
			RB3#3	23.06	3.95	1.8	24.86	0.306	3.000	Pass
			RB6#0	21.99	3.95	1.8	23.79	0.239	3.000	Pass
		16-QAM	RB1#0	21.95	3.95	1.8	23.75	0.237	3.000	Pass
RB1#3			22.08	3.95	1.8	23.88	0.244	3.000	Pass	

Test BW	Test Channel	Test Mode	Test RB (Size#Off set)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND12										
3 MHz			RB1#5	22.09	3.95	1.8	23.89	0.245	3.000	Pass
			RB3#0	22.02	3.95	1.8	23.82	0.241	3.000	Pass
			RB3#2	22.18	3.95	1.8	23.98	0.250	3.000	Pass
			RB3#3	22.1	3.95	1.8	23.90	0.245	3.000	Pass
			RB6#0	21.08	3.95	1.8	22.88	0.194	3.000	Pass
	LCH	QPSK	RB1#0	22.87	3.95	1.8	24.67	0.293	3.000	Pass
			RB1#7	23.14	3.95	1.8	24.94	0.312	3.000	Pass
			RB1#14	23.03	3.95	1.8	24.83	0.304	3.000	Pass
			RB8#0	21.99	3.95	1.8	23.79	0.239	3.000	Pass
			RB8#4	22.13	3.95	1.8	23.93	0.247	3.000	Pass
			RB8#7	21.99	3.95	1.8	23.79	0.239	3.000	Pass
			RB15#0	22.03	3.95	1.8	23.83	0.242	3.000	Pass
		16-QAM	RB1#0	21.83	3.95	1.8	23.63	0.231	3.000	Pass
			RB1#7	22.04	3.95	1.8	23.84	0.242	3.000	Pass
			RB1#14	21.93	3.95	1.8	23.73	0.236	3.000	Pass
			RB8#0	21.06	3.95	1.8	22.86	0.193	3.000	Pass
			RB8#4	21.09	3.95	1.8	22.89	0.195	3.000	Pass
			RB8#7	21.05	3.95	1.8	22.85	0.193	3.000	Pass
			RB15#0	21.03	3.95	1.8	22.83	0.192	3.000	Pass
	MCH	QPSK	RB1#0	22.94	3.95	1.8	24.74	0.298	3.000	Pass
			RB1#7	22.86	3.95	1.8	24.66	0.292	3.000	Pass
			RB1#14	22.71	3.95	1.8	24.51	0.282	3.000	Pass
			RB8#0	21.97	3.95	1.8	23.77	0.238	3.000	Pass
			RB8#4	22.02	3.95	1.8	23.82	0.241	3.000	Pass
			RB8#7	21.97	3.95	1.8	23.77	0.238	3.000	Pass
			RB15#0	21.96	3.95	1.8	23.76	0.238	3.000	Pass
		16-QAM	RB1#0	22.33	3.95	1.8	24.13	0.259	3.000	Pass
			RB1#7	22.19	3.95	1.8	23.99	0.251	3.000	Pass
RB1#14			21.7	3.95	1.8	23.50	0.224	3.000	Pass	
RB8#0			20.89	3.95	1.8	22.69	0.186	3.000	Pass	
RB8#4			20.87	3.95	1.8	22.67	0.185	3.000	Pass	
RB8#7			20.89	3.95	1.8	22.69	0.186	3.000	Pass	
RB15#0			20.95	3.95	1.8	22.75	0.188	3.000	Pass	
HCH	QPSK	RB1#0	22.9	3.95	1.8	24.70	0.295	3.000	Pass	
		RB1#7	23.19	3.95	1.8	24.99	0.316	3.000	Pass	
		RB1#14	23.21	3.95	1.8	25.01	0.317	3.000	Pass	
		RB8#0	22.05	3.95	1.8	23.85	0.243	3.000	Pass	
		RB8#4	22.11	3.95	1.8	23.91	0.246	3.000	Pass	

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict		
LTE BAND12												
		16-QAM	RB8#7	22	3.95	1.8	23.80	0.240	3.000	Pass		
			RB15#0	22.01	3.95	1.8	23.81	0.240	3.000	Pass		
			RB1#0	21.97	3.95	1.8	23.77	0.238	3.000	Pass		
			RB1#7	21.83	3.95	1.8	23.63	0.231	3.000	Pass		
			RB1#14	21.95	3.95	1.8	23.75	0.237	3.000	Pass		
			RB8#0	20.8	3.95	1.8	22.60	0.182	3.000	Pass		
			RB8#4	20.86	3.95	1.8	22.66	0.185	3.000	Pass		
			RB8#7	20.85	3.95	1.8	22.65	0.184	3.000	Pass		
					RB15#0	20.75	3.95	1.8	22.55	0.180	3.000	Pass
		5 MHz	LCH	QPSK	RB1#0	22.7	3.95	1.8	24.50	0.282	3.000	Pass
					RB1#13	22.9	3.95	1.8	24.70	0.295	3.000	Pass
					RB1#24	22.69	3.95	1.8	24.49	0.281	3.000	Pass
					RB12#0	21.9	3.95	1.8	23.70	0.234	3.000	Pass
					RB12#6	21.99	3.95	1.8	23.79	0.239	3.000	Pass
					RB12#13	22	3.95	1.8	23.80	0.240	3.000	Pass
					RB25#0	21.99	3.95	1.8	23.79	0.239	3.000	Pass
				16-QAM	RB1#0	21.51	3.95	1.8	23.31	0.214	3.000	Pass
					RB1#13	21.65	3.95	1.8	23.45	0.221	3.000	Pass
					RB1#24	21.62	3.95	1.8	23.42	0.220	3.000	Pass
					RB12#0	20.84	3.95	1.8	22.64	0.184	3.000	Pass
					RB12#6	20.85	3.95	1.8	22.65	0.184	3.000	Pass
					RB12#13	20.85	3.95	1.8	22.65	0.184	3.000	Pass
					RB25#0	21.08	3.95	1.8	22.88	0.194	3.000	Pass
	MCH		QPSK	RB1#0	22.82	3.95	1.8	24.62	0.290	3.000	Pass	
					RB1#13	23.02	3.95	1.8	24.82	0.303	3.000	Pass
					RB1#24	22.68	3.95	1.8	24.48	0.281	3.000	Pass
					RB12#0	22.02	3.95	1.8	23.82	0.241	3.000	Pass
					RB12#6	22.11	3.95	1.8	23.91	0.246	3.000	Pass
					RB12#13	21.98	3.95	1.8	23.78	0.239	3.000	Pass
					RB25#0	22.11	3.95	1.8	23.91	0.246	3.000	Pass
			16-QAM	RB1#0	21.97	3.95	1.8	23.77	0.238	3.000	Pass	
				RB1#13	22.07	3.95	1.8	23.87	0.244	3.000	Pass	
				RB1#24	21.75	3.95	1.8	23.55	0.226	3.000	Pass	
		RB12#0		20.84	3.95	1.8	22.64	0.184	3.000	Pass		
		RB12#6		20.93	3.95	1.8	22.73	0.187	3.000	Pass		
		RB12#13		20.86	3.95	1.8	22.66	0.185	3.000	Pass		
		RB25#0		21.04	3.95	1.8	22.84	0.192	3.000	Pass		
	HCH	QPSK	RB1#0	22.67	3.95	1.8	24.47	0.280	3.000	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 BAND12										
			RB1#13	22.89	3.95	1.8	24.69	0.294	3.000	Pass
			RB1#24	22.85	3.95	1.8	24.65	0.292	3.000	Pass
			RB12#0	22.02	3.95	1.8	23.82	0.241	3.000	Pass
			RB12#6	22.1	3.95	1.8	23.90	0.245	3.000	Pass
			RB12#13	22.04	3.95	1.8	23.84	0.242	3.000	Pass
			RB25#0	21.98	3.95	1.8	23.78	0.239	3.000	Pass
		16-QAM	RB1#0	21.9	3.95	1.8	23.70	0.234	3.000	Pass
			RB1#13	21.88	3.95	1.8	23.68	0.233	3.000	Pass
			RB1#24	21.85	3.95	1.8	23.65	0.232	3.000	Pass
			RB12#0	20.8	3.95	1.8	22.60	0.182	3.000	Pass
			RB12#6	21.04	3.95	1.8	22.84	0.192	3.000	Pass
			RB12#13	21.08	3.95	1.8	22.88	0.194	3.000	Pass
			RB25#0	20.93	3.95	1.8	22.73	0.187	3.000	Pass
			10 MHz	LCH	QPSK	RB1#0	22.92	3.95	1.8	24.72
RB1#25	23.16	3.95				1.8	24.96	0.313	3.000	Pass
RB1#49	22.83	3.95				1.8	24.63	0.290	3.000	Pass
RB25#0	21.9	3.95				1.8	23.70	0.234	3.000	Pass
RB25#13	22.06	3.95				1.8	23.86	0.243	3.000	Pass
RB25#25	21.97	3.95				1.8	23.77	0.238	3.000	Pass
RB50#0	22.03	3.95				1.8	23.83	0.242	3.000	Pass
16-QAM	RB1#0	21.76			3.95	1.8	23.56	0.227	3.000	Pass
	RB1#25	22.58			3.95	1.8	24.38	0.274	3.000	Pass
	RB1#49	21.87			3.95	1.8	23.67	0.233	3.000	Pass
	RB25#0	21.06			3.95	1.8	22.86	0.193	3.000	Pass
	RB25#13	21.06			3.95	1.8	22.86	0.193	3.000	Pass
	RB25#25	20.92			3.95	1.8	22.72	0.187	3.000	Pass
	RB27#0	20.84			3.95	1.8	22.64	0.184	3.000	Pass
MCH	QPSK	RB1#0	22.77	3.95	1.8	24.57	0.286	3.000	Pass	
		RB1#25	23.47	3.95	1.8	25.27	0.337	3.000	Pass	
		RB1#49	22.91	3.95	1.8	24.71	0.296	3.000	Pass	
		RB25#0	22.11	3.95	1.8	23.91	0.246	3.000	Pass	
		RB25#13	22.14	3.95	1.8	23.94	0.248	3.000	Pass	
		RB25#25	21.99	3.95	1.8	23.79	0.239	3.000	Pass	
		RB50#0	22.12	3.95	1.8	23.92	0.247	3.000	Pass	
	16-QAM	RB1#0	21.72	3.95	1.8	23.52	0.225	3.000	Pass	
		RB1#25	21.9	3.95	1.8	23.70	0.234	3.000	Pass	
		RB1#49	21.33	3.95	1.8	23.13	0.206	3.000	Pass	
		RB25#0	21.01	3.95	1.8	22.81	0.191	3.000	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 BAND12												
			RB25#13	21.23	3.95	1.8	23.03	0.201	3.000	Pass		
			RB25#25	21.06	3.95	1.8	22.86	0.193	3.000	Pass		
			RB27#0	21.07	3.95	1.8	22.87	0.194	3.000	Pass		
		HCH	QPSK	RB1#0	22.93	3.95	1.8	24.73	0.297	3.000	Pass	
				RB1#25	23.26	3.95	1.8	25.06	0.321	3.000	Pass	
				RB1#49	22.83	3.95	1.8	24.63	0.290	3.000	Pass	
				RB25#0	22.15	3.95	1.8	23.95	0.248	3.000	Pass	
				RB25#13	22.14	3.95	1.8	23.94	0.248	3.000	Pass	
				RB25#25	21.99	3.95	1.8	23.79	0.239	3.000	Pass	
				RB50#0	22.06	3.95	1.8	23.86	0.243	3.000	Pass	
				16-QAM	RB1#0	21.92	3.95	1.8	23.72	0.236	3.000	Pass
					RB1#25	22.03	3.95	1.8	23.83	0.242	3.000	Pass
					RB1#49	21.81	3.95	1.8	23.61	0.230	3.000	Pass
					RB25#0	21.29	3.95	1.8	23.09	0.204	3.000	Pass
					RB25#13	21.28	3.95	1.8	23.08	0.203	3.000	Pass
					RB25#25	21.2	3.95	1.8	23.00	0.200	3.000	Pass
					RB27#0	21.27	3.95	1.8	23.07	0.203	3.000	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND13										
5 MHz	LCH	QPSK	RB1#0	23.19	4.45	2.3	25.49	0.354	3.000	Pass
			RB1#13	23.11	4.45	2.3	25.41	0.348	3.000	Pass
			RB1#24	22.97	4.45	2.3	25.27	0.337	3.000	Pass
			RB12#0	22.19	4.45	2.3	24.49	0.281	3.000	Pass
			RB12#6	22.17	4.45	2.3	24.47	0.280	3.000	Pass
			RB12#13	22.17	4.45	2.3	24.47	0.280	3.000	Pass
			RB25#0	22.14	4.45	2.3	24.44	0.278	3.000	Pass
		16-QAM	RB1#0	21.88	4.45	2.3	24.18	0.262	3.000	Pass
			RB1#13	21.59	4.45	2.3	23.89	0.245	3.000	Pass
			RB1#24	21.54	4.45	2.3	23.84	0.242	3.000	Pass
			RB12#0	21.05	4.45	2.3	23.35	0.216	3.000	Pass
			RB12#6	21.22	4.45	2.3	23.52	0.225	3.000	Pass
			RB12#13	21.13	4.45	2.3	23.43	0.220	3.000	Pass
			RB25#0	21.24	4.45	2.3	23.54	0.226	3.000	Pass
	MCH	QPSK	RB1#0	23.16	4.45	2.3	25.46	0.352	3.000	Pass
			RB1#13	23.09	4.45	2.3	25.39	0.346	3.000	Pass
			RB1#24	23.1	4.45	2.3	25.40	0.347	3.000	Pass
			RB12#0	22.12	4.45	2.3	24.42	0.277	3.000	Pass
			RB12#6	21.97	4.45	2.3	24.27	0.267	3.000	Pass
			RB12#13	22.06	4.45	2.3	24.36	0.273	3.000	Pass
			RB25#0	22.09	4.45	2.3	24.39	0.275	3.000	Pass
		16-QAM	RB1#0	22.18	4.45	2.3	24.48	0.281	3.000	Pass
			RB1#13	22.07	4.45	2.3	24.37	0.274	3.000	Pass
			RB1#24	22.01	4.45	2.3	24.31	0.270	3.000	Pass
			RB12#0	20.97	4.45	2.3	23.27	0.212	3.000	Pass
			RB12#6	20.93	4.45	2.3	23.23	0.210	3.000	Pass
			RB12#13	20.91	4.45	2.3	23.21	0.209	3.000	Pass
			RB25#0	21.07	4.45	2.3	23.37	0.217	3.000	Pass
	HCH	QPSK	RB1#0	22.85	4.45	2.3	25.15	0.327	3.000	Pass
			RB1#13	23.01	4.45	2.3	25.31	0.340	3.000	Pass
			RB1#24	23.16	4.45	2.3	25.46	0.352	3.000	Pass
			RB12#0	22.06	4.45	2.3	24.36	0.273	3.000	Pass
			RB12#6	22.17	4.45	2.3	24.47	0.280	3.000	Pass
			RB12#13	22.18	4.45	2.3	24.48	0.281	3.000	Pass
			RB25#0	22.1	4.45	2.3	24.40	0.275	3.000	Pass
		16-QAM	RB1#0	22	4.45	2.3	24.30	0.269	3.000	Pass
RB1#13			21.73	4.45	2.3	24.03	0.253	3.000	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 BAND13										
10 MHz	L/M/HCH	QPSK	RB1#24	21.98	4.45	2.3	24.28	0.268	3.000	Pass
			RB12#0	21.12	4.45	2.3	23.42	0.220	3.000	Pass
			RB12#6	21.13	4.45	2.3	23.43	0.220	3.000	Pass
			RB12#13	21.13	4.45	2.3	23.43	0.220	3.000	Pass
			RB25#0	20.87	4.45	2.3	23.17	0.207	3.000	Pass
		16-QAM	RB1#0	23.27	4.45	2.3	25.57	0.361	3.000	Pass
			RB1#25	22.92	4.45	2.3	25.22	0.333	3.000	Pass
			RB1#49	23.4	4.45	2.3	25.70	0.372	3.000	Pass
			RB25#0	22.19	4.45	2.3	24.49	0.281	3.000	Pass
			RB25#13	22.08	4.45	2.3	24.38	0.274	3.000	Pass
			RB25#25	22.08	4.45	2.3	24.38	0.274	3.000	Pass
			RB50#0	22.11	4.45	2.3	24.41	0.276	3.000	Pass
			RB1#0	22.11	4.45	2.3	24.41	0.276	3.000	Pass
			RB1#25	21.92	4.45	2.3	24.22	0.264	3.000	Pass
RB1#49	21.99	4.45	2.3	24.29	0.269	3.000	Pass			
RB25#0	21.09	4.45	2.3	23.39	0.218	3.000	Pass			
RB25#13	20.98	4.45	2.3	23.28	0.213	3.000	Pass			
RB25#25	20.99	4.45	2.3	23.29	0.213	3.000	Pass			
RB27#0	21.1	4.45	2.3	23.40	0.219	3.000	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 BAND25									
1.4 MHz	LCH	QPSK	RB1#0	23.04	1.59	24.63	0.290	2.00	Pass
			RB1#3	23.12	1.59	24.71	0.296	2.00	Pass
			RB1#5	23.15	1.59	24.74	0.298	2.00	Pass
			RB3#0	22.96	1.59	24.55	0.285	2.00	Pass
			RB3#2	22.98	1.59	24.57	0.286	2.00	Pass
			RB3#3	22.98	1.59	24.57	0.286	2.00	Pass
		RB6#0	21.89	1.59	23.48	0.223	2.00	Pass	
		16-QAM	RB1#0	21.84	1.59	23.43	0.220	2.00	Pass
			RB1#3	21.82	1.59	23.41	0.219	2.00	Pass
			RB1#5	21.79	1.59	23.38	0.218	2.00	Pass
			RB3#0	21.71	1.59	23.30	0.214	2.00	Pass
			RB3#2	21.75	1.59	23.34	0.216	2.00	Pass
	RB3#3		21.76	1.59	23.35	0.216	2.00	Pass	
	RB6#0	20.76	1.59	22.35	0.172	2.00	Pass		
	MCH	QPSK	RB1#0	23	1.59	24.59	0.288	2.00	Pass
			RB1#3	23.12	1.59	24.71	0.296	2.00	Pass
			RB1#5	23.06	1.59	24.65	0.292	2.00	Pass
			RB3#0	23.15	1.59	24.74	0.298	2.00	Pass
			RB3#2	23.19	1.59	24.78	0.301	2.00	Pass
			RB3#3	23.13	1.59	24.72	0.296	2.00	Pass
		RB6#0	22.24	1.59	23.83	0.242	2.00	Pass	
		16-QAM	RB1#0	22.08	1.59	23.67	0.233	2.00	Pass
			RB1#3	22.1	1.59	23.69	0.234	2.00	Pass
			RB1#5	22.05	1.59	23.64	0.231	2.00	Pass
			RB3#0	21.79	1.59	23.38	0.218	2.00	Pass
			RB3#2	21.81	1.59	23.40	0.219	2.00	Pass
	RB3#3		21.74	1.59	23.33	0.215	2.00	Pass	
	RB6#0	20.86	1.59	22.45	0.176	2.00	Pass		
	HCH	QPSK	RB1#0	23.09	1.59	24.68	0.294	2.00	Pass
			RB1#3	23.25	1.59	24.84	0.305	2.00	Pass
RB1#5			23.3	1.59	24.89	0.308	2.00	Pass	
RB3#0			23.11	1.59	24.70	0.295	2.00	Pass	
RB3#2			23.29	1.59	24.88	0.308	2.00	Pass	
RB3#3			23.21	1.59	24.80	0.302	2.00	Pass	
RB6#0		22.32	1.59	23.91	0.246	2.00	Pass		
16-QAM		RB1#0	22.29	1.59	23.88	0.244	2.00	Pass	
RB1#3	22.38	1.59	23.97	0.249	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 BAND25									
3 MHz			RB1#5	22.38	1.59	23.97	0.249	2.00	Pass
			RB3#0	22.28	1.59	23.87	0.244	2.00	Pass
			RB3#2	22.48	1.59	24.07	0.255	2.00	Pass
			RB3#3	22.39	1.59	23.98	0.250	2.00	Pass
			RB6#0	21.45	1.59	23.04	0.201	2.00	Pass
	LCH	QPSK	RB1#0	22.9	1.59	24.49	0.281	2.00	Pass
			RB1#7	22.97	1.59	24.56	0.286	2.00	Pass
			RB1#14	22.93	1.59	24.52	0.283	2.00	Pass
			RB8#0	22.04	1.59	23.63	0.231	2.00	Pass
			RB8#4	22.04	1.59	23.63	0.231	2.00	Pass
			RB8#7	22.03	1.59	23.62	0.230	2.00	Pass
			RB15#0	22.09	1.59	23.68	0.233	2.00	Pass
		16-QAM	RB1#0	22.02	1.59	23.61	0.230	2.00	Pass
			RB1#7	22.11	1.59	23.70	0.234	2.00	Pass
			RB1#14	22.17	1.59	23.76	0.238	2.00	Pass
			RB8#0	20.86	1.59	22.45	0.176	2.00	Pass
			RB8#4	20.95	1.59	22.54	0.179	2.00	Pass
			RB8#7	20.83	1.59	22.42	0.175	2.00	Pass
	MCH	QPSK	RB1#0	23.11	1.59	24.70	0.295	2.00	Pass
			RB1#7	23.22	1.59	24.81	0.303	2.00	Pass
			RB1#14	23.18	1.59	24.77	0.300	2.00	Pass
			RB8#0	22.37	1.59	23.96	0.249	2.00	Pass
			RB8#4	22.27	1.59	23.86	0.243	2.00	Pass
			RB8#7	22.32	1.59	23.91	0.246	2.00	Pass
			RB15#0	22.34	1.59	23.93	0.247	2.00	Pass
		16-QAM	RB1#0	22	1.59	23.59	0.229	2.00	Pass
			RB1#7	22.03	1.59	23.62	0.230	2.00	Pass
			RB1#14	21.98	1.59	23.57	0.228	2.00	Pass
RB8#0			21.16	1.59	22.75	0.188	2.00	Pass	
RB8#4			21.17	1.59	22.76	0.189	2.00	Pass	
RB8#7			21.11	1.59	22.70	0.186	2.00	Pass	
HCH	QPSK	RB1#0	22.99	1.59	24.58	0.287	2.00	Pass	
		RB1#7	23.24	1.59	24.83	0.304	2.00	Pass	
		RB1#14	23.25	1.59	24.84	0.305	2.00	Pass	
		RB8#0	22.33	1.59	23.92	0.247	2.00	Pass	
		RB8#4	22.33	1.59	23.92	0.247	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 BAND25											
		16-QAM	RB8#7	22.35	1.59	23.94	0.248	2.00	Pass		
			RB15#0	22.28	1.59	23.87	0.244	2.00	Pass		
			RB1#0	22.18	1.59	23.77	0.238	2.00	Pass		
			RB1#7	22.25	1.59	23.84	0.242	2.00	Pass		
			RB1#14	22.42	1.59	24.01	0.252	2.00	Pass		
			RB8#0	21.22	1.59	22.81	0.191	2.00	Pass		
			RB8#4	21.22	1.59	22.81	0.191	2.00	Pass		
			RB8#7	21.2	1.59	22.79	0.190	2.00	Pass		
					RB15#0	20.95	1.59	22.54	0.179	2.00	Pass
		5 MHz	LCH	QPSK	RB1#0	22.73	1.59	24.32	0.270	2.00	Pass
					RB1#13	22.95	1.59	24.54	0.284	2.00	Pass
					RB1#24	22.99	1.59	24.58	0.287	2.00	Pass
					RB12#0	22.05	1.59	23.64	0.231	2.00	Pass
					RB12#6	22.08	1.59	23.67	0.233	2.00	Pass
					RB12#13	22.11	1.59	23.70	0.234	2.00	Pass
RB25#0	22.1				1.59	23.69	0.234	2.00	Pass		
				16-QAM	RB1#0	21.88	1.59	23.47	0.222	2.00	Pass
					RB1#13	21.72	1.59	23.31	0.214	2.00	Pass
					RB1#24	21.82	1.59	23.41	0.219	2.00	Pass
					RB12#0	20.95	1.59	22.54	0.179	2.00	Pass
					RB12#6	20.96	1.59	22.55	0.180	2.00	Pass
					RB12#13	21.03	1.59	22.62	0.183	2.00	Pass
					RB25#0	21.25	1.59	22.84	0.192	2.00	Pass
	MCH		QPSK	RB1#0	22.98	1.59	24.57	0.286	2.00	Pass	
					RB1#13	23.06	1.59	24.65	0.292	2.00	Pass
					RB1#24	22.88	1.59	24.47	0.280	2.00	Pass
					RB12#0	22.26	1.59	23.85	0.243	2.00	Pass
					RB12#6	22.36	1.59	23.95	0.248	2.00	Pass
					RB12#13	22.34	1.59	23.93	0.247	2.00	Pass
					RB25#0	22.22	1.59	23.81	0.240	2.00	Pass
			16-QAM	RB1#0	22.35	1.59	23.94	0.248	2.00	Pass	
				RB1#13	22.37	1.59	23.96	0.249	2.00	Pass	
				RB1#24	22.27	1.59	23.86	0.243	2.00	Pass	
		RB12#0		21.04	1.59	22.63	0.183	2.00	Pass		
		RB12#6		21.13	1.59	22.72	0.187	2.00	Pass		
		RB12#13		21.12	1.59	22.71	0.187	2.00	Pass		
		RB25#0		21.2	1.59	22.79	0.190	2.00	Pass		
	HCH	QPSK	RB1#0	22.93	1.59	24.52	0.283	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 BAND25									
			RB1#13	23.13	1.59	24.72	0.296	2.00	Pass
			RB1#24	23.25	1.59	24.84	0.305	2.00	Pass
			RB12#0	22.16	1.59	23.75	0.237	2.00	Pass
			RB12#6	22.26	1.59	23.85	0.243	2.00	Pass
			RB12#13	22.38	1.59	23.97	0.249	2.00	Pass
			RB25#0	22.28	1.59	23.87	0.244	2.00	Pass
		16-QAM	RB1#0	22.4	1.59	23.99	0.251	2.00	Pass
			RB1#13	22.62	1.59	24.21	0.264	2.00	Pass
			RB1#24	22.78	1.59	24.37	0.274	2.00	Pass
			RB12#0	21.24	1.59	22.83	0.192	2.00	Pass
			RB12#6	21.3	1.59	22.89	0.195	2.00	Pass
			RB12#13	21.34	1.59	22.93	0.196	2.00	Pass
			RB25#0	21.07	1.59	22.66	0.185	2.00	Pass
			10 MHz	LCH	QPSK	RB1#0	23.02	1.59	24.61
RB1#25	23.34	1.59				24.93	0.311	2.00	Pass
RB1#49	22.97	1.59				24.56	0.286	2.00	Pass
RB25#0	22.3	1.59				23.89	0.245	2.00	Pass
RB25#13	22.26	1.59				23.85	0.243	2.00	Pass
RB25#25	22.01	1.59				23.60	0.229	2.00	Pass
16-QAM	RB50#0	22.08			1.59	23.67	0.233	2.00	Pass
	RB1#0	21.96			1.59	23.55	0.226	2.00	Pass
	RB1#25	22.66			1.59	24.25	0.266	2.00	Pass
	RB1#49	21.82			1.59	23.41	0.219	2.00	Pass
	RB25#0	21.14			1.59	22.73	0.187	2.00	Pass
	RB25#13	21.3			1.59	22.89	0.195	2.00	Pass
	RB25#25	21.05			1.59	22.64	0.184	2.00	Pass
	RB27#0	21.04			1.59	22.63	0.183	2.00	Pass
10 MHz	MCH	QPSK	RB1#0	23.07	1.59	24.66	0.292	2.00	Pass
			RB1#25	23.81	1.59	25.40	0.347	2.00	Pass
			RB1#49	23.01	1.59	24.60	0.288	2.00	Pass
			RB25#0	22.34	1.59	23.93	0.247	2.00	Pass
			RB25#13	22.37	1.59	23.96	0.249	2.00	Pass
			RB25#25	22.19	1.59	23.78	0.239	2.00	Pass
		16-QAM	RB50#0	22.21	1.59	23.80	0.240	2.00	Pass
			RB1#0	22.12	1.59	23.71	0.235	2.00	Pass
			RB1#25	22.15	1.59	23.74	0.237	2.00	Pass
			RB1#49	21.48	1.59	23.07	0.203	2.00	Pass
			RB25#0	21.08	1.59	22.67	0.185	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 BAND25										
15 MHz	HCH	QPSK	RB25#13	21.34	1.59	22.93	0.196	2.00	Pass	
			RB25#25	21.15	1.59	22.74	0.188	2.00	Pass	
			RB27#0	21.3	1.59	22.89	0.195	2.00	Pass	
		QPSK	RB1#0	23.07	1.59	24.66	0.292	2.00	Pass	
			RB1#25	23.46	1.59	25.05	0.320	2.00	Pass	
			RB1#49	23.07	1.59	24.66	0.292	2.00	Pass	
			RB25#0	22.25	1.59	23.84	0.242	2.00	Pass	
			RB25#13	22.16	1.59	23.75	0.237	2.00	Pass	
			RB25#25	22.25	1.59	23.84	0.242	2.00	Pass	
			RB50#0	22.29	1.59	23.88	0.244	2.00	Pass	
	16-QAM	RB1#0	22.16	1.59	23.75	0.237	2.00	Pass		
		RB1#25	22.13	1.59	23.72	0.236	2.00	Pass		
		RB1#49	21.84	1.59	23.43	0.220	2.00	Pass		
		RB25#0	21.17	1.59	22.76	0.189	2.00	Pass		
		RB25#13	21.07	1.59	22.66	0.185	2.00	Pass		
		RB25#25	21.16	1.59	22.75	0.188	2.00	Pass		
		RB27#0	21.42	1.59	23.01	0.200	2.00	Pass		
	LCH	QPSK	RB1#0	23.11	1.59	24.70	0.295	2.00	Pass	
			RB1#38	23.04	1.59	24.63	0.290	2.00	Pass	
			RB1#74	23.01	1.59	24.60	0.288	2.00	Pass	
RB36#0			22.27	1.59	23.86	0.243	2.00	Pass		
RB36#19			22.17	1.59	23.76	0.238	2.00	Pass		
RB36#39			22.07	1.59	23.66	0.232	2.00	Pass		
RB75#0			21.99	1.59	23.58	0.228	2.00	Pass		
16-QAM		RB1#0	21.75	1.59	23.34	0.216	2.00	Pass		
		RB1#38	22.18	1.59	23.77	0.238	2.00	Pass		
		RB1#74	21.96	1.59	23.55	0.226	2.00	Pass		
		RB27#0	21.32	1.59	22.91	0.195	2.00	Pass		
		MCH	QPSK	RB1#0	23.08	1.59	24.67	0.293	2.00	Pass
				RB1#38	23.33	1.59	24.92	0.310	2.00	Pass
RB1#74	23.1			1.59	24.69	0.294	2.00	Pass		
RB36#0	22.32			1.59	23.91	0.246	2.00	Pass		
RB36#19	22.36			1.59	23.95	0.248	2.00	Pass		
RB36#39	22.12			1.59	23.71	0.235	2.00	Pass		
16-QAM	RB75#0	22.21	1.59	23.80	0.240	2.00	Pass			
	RB1#0	21.54	1.59	23.13	0.206	2.00	Pass			
	RB1#38	22.12	1.59	23.71	0.235	2.00	Pass			
			RB1#74	21.53	1.59	23.12	0.205	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 BAND25												
	HCH	QPSK	RB27#0	21.29	1.59	22.88	0.194	2.00	Pass			
			RB1#0	23.06	1.59	24.65	0.292	2.00	Pass			
			RB1#38	23.03	1.59	24.62	0.290	2.00	Pass			
			RB1#74	22.93	1.59	24.52	0.283	2.00	Pass			
			RB36#0	22.15	1.59	23.74	0.237	2.00	Pass			
			RB36#19	22.19	1.59	23.78	0.239	2.00	Pass			
			RB36#39	22.11	1.59	23.70	0.234	2.00	Pass			
		16-QAM	RB75#0	22.13	1.59	23.72	0.236	2.00	Pass			
			RB1#0	22.6	1.59	24.19	0.262	2.00	Pass			
			RB1#38	22.98	1.59	24.57	0.286	2.00	Pass			
			RB1#74	22.72	1.59	24.31	0.270	2.00	Pass			
			RB27#0	21.28	1.59	22.87	0.194	2.00	Pass			
			20 MHz	LCH	QPSK	RB1#0	22.79	1.59	24.38	0.274	2.00	Pass
						RB1#50	23.28	1.59	24.87	0.307	2.00	Pass
RB1#99	22.71	1.59				24.30	0.269	2.00	Pass			
RB50#0	22.25	1.59				23.84	0.242	2.00	Pass			
RB50#25	22.17	1.59				23.76	0.238	2.00	Pass			
RB50#50	21.99	1.59				23.58	0.228	2.00	Pass			
RB100#0	22	1.59				23.59	0.229	2.00	Pass			
16-QAM	RB1#0	22.06			1.59	23.65	0.232	2.00	Pass			
	RB1#50	22.33			1.59	23.92	0.247	2.00	Pass			
	RB1#99	21.42			1.59	23.01	0.200	2.00	Pass			
	RB27#0	21.13			1.59	22.72	0.187	2.00	Pass			
	MCH	QPSK			RB1#0	23.21	1.59	24.80	0.302	2.00	Pass	
					RB1#50	23.71	1.59	25.30	0.339	2.00	Pass	
					RB1#99	23.19	1.59	24.78	0.301	2.00	Pass	
RB50#0			22.11	1.59	23.70	0.234	2.00	Pass				
RB50#25			22.33	1.59	23.92	0.247	2.00	Pass				
RB50#50			22.11	1.59	23.70	0.234	2.00	Pass				
RB100#0			22.1	1.59	23.69	0.234	2.00	Pass				
16-QAM	RB1#0	21.69	1.59	23.28	0.213	2.00	Pass					
	RB1#50	22.12	1.59	23.71	0.235	2.00	Pass					
	RB1#99	21.71	1.59	23.30	0.214	2.00	Pass					
	RB27#0	20.9	1.59	22.49	0.177	2.00	Pass					
HCH	QPSK	RB1#0	22.92	1.59	24.51	0.282	2.00	Pass				
		RB1#50	23.17	1.59	24.76	0.299	2.00	Pass				
		RB1#99	22.88	1.59	24.47	0.280	2.00	Pass				
		RB50#0	22.11	1.59	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 BAND25									
			RB50#25	22.17	1.59	23.76	0.238	2.00	Pass
			RB50#50	22	1.59	23.59	0.229	2.00	Pass
			RB100#0	22.14	1.59	23.73	0.236	2.00	Pass
		16-QAM	RB1#0	21.77	1.59	23.36	0.217	2.00	Pass
			RB1#50	22.06	1.59	23.65	0.232	2.00	Pass
			RB1#99	21.89	1.59	23.48	0.223	2.00	Pass
			RB27#0	21.13	1.59	22.72	0.187	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part90)										
1.4 MHz	LCH	QPSK	RB1#0	23.21	3.19	1.04	24.25	0.266	100	Pass
			RB1#3	23.24	3.19	1.04	24.28	0.268	100	Pass
			RB1#5	23.06	3.19	1.04	24.10	0.257	100	Pass
			RB3#0	23.22	3.19	1.04	24.26	0.267	100	Pass
			RB3#2	23.32	3.19	1.04	24.36	0.273	100	Pass
			RB3#3	23.23	3.19	1.04	24.27	0.267	100	Pass
			RB6#0	22.23	3.19	1.04	23.27	0.212	100	Pass
		16-QAM	RB1#0	22.41	3.19	1.04	23.45	0.221	100	Pass
			RB1#3	22.6	3.19	1.04	23.64	0.231	100	Pass
			RB1#5	22.34	3.19	1.04	23.38	0.218	100	Pass
			RB3#0	22.2	3.19	1.04	23.24	0.211	100	Pass
			RB3#2	22.33	3.19	1.04	23.37	0.217	100	Pass
			RB3#3	22.33	3.19	1.04	23.37	0.217	100	Pass
			RB6#0	21.53	3.19	1.04	22.57	0.181	100	Pass
	MCH	QPSK	RB1#0	23.1	3.19	1.04	24.14	0.259	100	Pass
			RB1#3	23.29	3.19	1.04	24.33	0.271	100	Pass
			RB1#5	23.21	3.19	1.04	24.25	0.266	100	Pass
			RB3#0	23.16	3.19	1.04	24.20	0.263	100	Pass
			RB3#2	23.22	3.19	1.04	24.26	0.267	100	Pass
			RB3#3	23.19	3.19	1.04	24.23	0.265	100	Pass
			RB6#0	22.23	3.19	1.04	23.27	0.212	100	Pass
		16-QAM	RB1#0	22.28	3.19	1.04	23.32	0.215	100	Pass
			RB1#3	22.34	3.19	1.04	23.38	0.218	100	Pass
			RB1#5	22.17	3.19	1.04	23.21	0.209	100	Pass
			RB3#0	22.05	3.19	1.04	23.09	0.204	100	Pass
			RB3#2	22.09	3.19	1.04	23.13	0.206	100	Pass
			RB3#3	22.04	3.19	1.04	23.08	0.203	100	Pass
			RB6#0	20.98	3.19	1.04	22.02	0.159	100	Pass
	HCH	QPSK	RB1#0	23.13	3.19	1.04	24.17	0.261	100	Pass
			RB1#3	23.29	3.19	1.04	24.33	0.271	100	Pass
			RB1#5	23.11	3.19	1.04	24.15	0.260	100	Pass
			RB3#0	23.32	3.19	1.04	24.36	0.273	100	Pass
			RB3#2	23.32	3.19	1.04	24.36	0.273	100	Pass
			RB3#3	23.25	3.19	1.04	24.29	0.269	100	Pass
			RB6#0	22.36	3.19	1.04	23.40	0.219	100	Pass
		16-QAM	RB1#0	22.33	3.19	1.04	23.37	0.217	100	Pass
RB1#3			22.41	3.19	1.04	23.45	0.221	100	Pass	

Test BW	Test Channel	Test Mode	Test RB (Size#Off set)	Conducted Output AV Power (dBm)	Antenn a Gain (dBi)	Antenn a Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part90)										
3 MHz			RB1#5	22.34	3.19	1.04	23.38	0.218	100	Pass
			RB3#0	22.4	3.19	1.04	23.44	0.221	100	Pass
			RB3#2	22.4	3.19	1.04	23.44	0.221	100	Pass
			RB3#3	22.32	3.19	1.04	23.36	0.217	100	Pass
			RB6#0	21.43	3.19	1.04	22.47	0.177	100	Pass
	LCH	QPSK	RB1#0	23.24	3.19	1.04	24.28	0.268	100	Pass
			RB1#7	23.25	3.19	1.04	24.29	0.269	100	Pass
			RB1#14	23.24	3.19	1.04	24.28	0.268	100	Pass
			RB8#0	22.22	3.19	1.04	23.26	0.212	100	Pass
			RB8#4	22.23	3.19	1.04	23.27	0.212	100	Pass
			RB8#7	22.19	3.19	1.04	23.23	0.210	100	Pass
			RB15#0	22.15	3.19	1.04	23.19	0.208	100	Pass
		16-QAM	RB1#0	22.07	3.19	1.04	23.11	0.205	100	Pass
			RB1#7	21.99	3.19	1.04	23.03	0.201	100	Pass
			RB1#14	22.02	3.19	1.04	23.06	0.202	100	Pass
			RB8#0	21.27	3.19	1.04	22.31	0.170	100	Pass
			RB8#4	21.27	3.19	1.04	22.31	0.170	100	Pass
			RB8#7	21.25	3.19	1.04	22.29	0.169	100	Pass
	MCH	QPSK	RB1#0	23.23	3.19	1.04	24.27	0.267	100	Pass
			RB1#7	23.29	3.19	1.04	24.33	0.271	100	Pass
			RB1#14	23.31	3.19	1.04	24.35	0.272	100	Pass
			RB8#0	22.33	3.19	1.04	23.37	0.217	100	Pass
			RB8#4	22.41	3.19	1.04	23.45	0.221	100	Pass
			RB8#7	22.39	3.19	1.04	23.43	0.220	100	Pass
			RB15#0	22.36	3.19	1.04	23.40	0.219	100	Pass
		16-QAM	RB1#0	22.1	3.19	1.04	23.14	0.206	100	Pass
			RB1#7	22.03	3.19	1.04	23.07	0.203	100	Pass
			RB1#14	22.06	3.19	1.04	23.10	0.204	100	Pass
RB8#0			21.46	3.19	1.04	22.50	0.178	100	Pass	
RB8#4			21.54	3.19	1.04	22.58	0.181	100	Pass	
RB8#7			21.51	3.19	1.04	22.55	0.180	100	Pass	
RB15#0			21.33	3.19	1.04	22.37	0.173	100	Pass	
HCH	QPSK	RB1#0	23.17	3.19	1.04	24.21	0.264	100	Pass	
		RB1#7	23.15	3.19	1.04	24.19	0.262	100	Pass	
		RB1#14	23.09	3.19	1.04	24.13	0.259	100	Pass	
		RB8#0	22.32	3.19	1.04	23.36	0.217	100	Pass	
		RB8#4	22.37	3.19	1.04	23.41	0.219	100	Pass	

Test BW	Test Channel	Test Mode	Test RB (Size#Off set)	Conducted Output AV Power (dBm)	Antenn a Gain (dBi)	Antenn a Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict		
LTE BAND26 (Part90)												
		16-QAM	RB8#7	22.24	3.19	1.04	23.28	0.213	100	Pass		
			RB15#0	22.34	3.19	1.04	23.38	0.218	100	Pass		
			RB1#0	22.32	3.19	1.04	23.36	0.217	100	Pass		
			RB1#7	22.14	3.19	1.04	23.18	0.208	100	Pass		
			RB1#14	22.09	3.19	1.04	23.13	0.206	100	Pass		
			RB8#0	21.22	3.19	1.04	22.26	0.168	100	Pass		
			RB8#4	21.18	3.19	1.04	22.22	0.167	100	Pass		
			RB8#7	21.16	3.19	1.04	22.20	0.166	100	Pass		
					RB15#0	21.06	3.19	1.04	22.10	0.162	100	Pass
		5 MHz	LCH	QPSK	RB1#0	23.18	3.19	1.04	24.22	0.264	100	Pass
					RB1#13	23.3	3.19	1.04	24.34	0.272	100	Pass
					RB1#24	23.27	3.19	1.04	24.31	0.270	100	Pass
					RB12#0	22.11	3.19	1.04	23.15	0.207	100	Pass
					RB12#6	22.32	3.19	1.04	23.36	0.217	100	Pass
					RB12#13	22.34	3.19	1.04	23.38	0.218	100	Pass
RB25#0	22.23				3.19	1.04	23.27	0.212	100	Pass		
				16-QAM	RB1#0	21.93	3.19	1.04	22.97	0.198	100	Pass
					RB1#13	21.89	3.19	1.04	22.93	0.196	100	Pass
					RB1#24	21.72	3.19	1.04	22.76	0.189	100	Pass
					RB12#0	21.04	3.19	1.04	22.08	0.161	100	Pass
					RB12#6	21.21	3.19	1.04	22.25	0.168	100	Pass
					RB12#13	21.25	3.19	1.04	22.29	0.169	100	Pass
					RB25#0	21.31	3.19	1.04	22.35	0.172	100	Pass
	MCH		QPSK	RB1#0	22.98	3.19	1.04	24.02	0.252	100	Pass	
					RB1#13	23.3	3.19	1.04	24.34	0.272	100	Pass
					RB1#24	23.26	3.19	1.04	24.30	0.269	100	Pass
					RB12#0	22.22	3.19	1.04	23.26	0.212	100	Pass
					RB12#6	22.31	3.19	1.04	23.35	0.216	100	Pass
					RB12#13	22.34	3.19	1.04	23.38	0.218	100	Pass
					RB25#0	22.19	3.19	1.04	23.23	0.210	100	Pass
				16-QAM	RB1#0	22.09	3.19	1.04	23.13	0.206	100	Pass
					RB1#13	22.3	3.19	1.04	23.34	0.216	100	Pass
					RB1#24	22.3	3.19	1.04	23.34	0.216	100	Pass
	HCH	QPSK	RB12#0	21.12	3.19	1.04	22.16	0.164	100	Pass		
				RB12#6	21.2	3.19	1.04	22.24	0.167	100	Pass	
				RB12#13	21.24	3.19	1.04	22.28	0.169	100	Pass	
				RB25#0	21.2	3.19	1.04	22.24	0.167	100	Pass	
			RB1#0	23.12	3.19	1.04	24.16	0.261	100	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 BAND26 (Part90)										
			RB1#13	23.27	3.19	1.04	24.31	0.270	100	Pass
			RB1#24	23.1	3.19	1.04	24.14	0.259	100	Pass
			RB12#0	22.23	3.19	1.04	23.27	0.212	100	Pass
			RB12#6	22.41	3.19	1.04	23.45	0.221	100	Pass
			RB12#13	22.31	3.19	1.04	23.35	0.216	100	Pass
			RB25#0	22.33	3.19	1.04	23.37	0.217	100	Pass
		16-QAM	RB1#0	22.17	3.19	1.04	23.21	0.209	100	Pass
			RB1#13	22.1	3.19	1.04	23.14	0.206	100	Pass
			RB1#24	22	3.19	1.04	23.04	0.201	100	Pass
			RB12#0	21.13	3.19	1.04	22.17	0.165	100	Pass
			RB12#6	21.23	3.19	1.04	22.27	0.169	100	Pass
			RB12#13	21.23	3.19	1.04	22.27	0.169	100	Pass
			RB25#0	21.14	3.19	1.04	22.18	0.165	100	Pass
			10 MHz	L/M/HCH	QPSK	RB1#0	23.24	3.19	1.04	24.28
RB1#25	23.39	3.19				1.04	24.43	0.277	100	Pass
RB1#49	23.2	3.19				1.04	24.24	0.265	100	Pass
RB25#0	22.28	3.19				1.04	23.32	0.215	100	Pass
RB25#13	22.37	3.19				1.04	23.41	0.219	100	Pass
RB25#25	22.39	3.19				1.04	23.43	0.220	100	Pass
RB50#0	22.3	3.19				1.04	23.34	0.216	100	Pass
16-QAM	RB1#0	22			3.19	1.04	23.04	0.201	100	Pass
	RB1#25	22.69			3.19	1.04	23.73	0.236	100	Pass
	RB1#49	22.62			3.19	1.04	23.66	0.232	100	Pass
	RB25#0	21.15			3.19	1.04	22.19	0.166	100	Pass
	RB25#13	21.4			3.19	1.04	22.44	0.175	100	Pass
	RB25#25	21.34			3.19	1.04	22.38	0.173	100	Pass
	RB27#0	21.15			3.19	1.04	22.19	0.166	100	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 BAND26 (Part 22)										
1.4 MHz	LCH	QPSK	RB1#0	23.37	2.53	0.38	23.75	0.237	7.000	Pass
			RB1#3	23.41	2.53	0.38	23.79	0.239	7.000	Pass
			RB1#5	23.24	2.53	0.38	23.62	0.230	7.000	Pass
			RB3#0	23.41	2.53	0.38	23.79	0.239	7.000	Pass
			RB3#2	23.39	2.53	0.38	23.77	0.238	7.000	Pass
			RB3#3	23.32	2.53	0.38	23.70	0.234	7.000	Pass
			RB6#0	22.33	2.53	0.38	22.71	0.187	7.000	Pass
		16-QAM	RB1#0	22.6	2.53	0.38	22.98	0.199	7.000	Pass
			RB1#3	22.67	2.53	0.38	23.05	0.202	7.000	Pass
			RB1#5	22.58	2.53	0.38	22.96	0.198	7.000	Pass
			RB3#0	22.5	2.53	0.38	22.88	0.194	7.000	Pass
			RB3#2	22.59	2.53	0.38	22.97	0.198	7.000	Pass
			RB3#3	22.47	2.53	0.38	22.85	0.193	7.000	Pass
			RB6#0	21.53	2.53	0.38	21.91	0.155	7.000	Pass
	MCH	QPSK	RB1#0	23.31	2.53	0.38	23.69	0.234	7.000	Pass
			RB1#3	23.59	2.53	0.38	23.97	0.249	7.000	Pass
			RB1#5	23.38	2.53	0.38	23.76	0.238	7.000	Pass
			RB3#0	23.38	2.53	0.38	23.76	0.238	7.000	Pass
			RB3#2	23.46	2.53	0.38	23.84	0.242	7.000	Pass
			RB3#3	23.44	2.53	0.38	23.82	0.241	7.000	Pass
			RB6#0	22.45	2.53	0.38	22.83	0.192	7.000	Pass
		16-QAM	RB1#0	22.32	2.53	0.38	22.70	0.186	7.000	Pass
			RB1#3	22.41	2.53	0.38	22.79	0.190	7.000	Pass
			RB1#5	22.31	2.53	0.38	22.69	0.186	7.000	Pass
			RB3#0	22.26	2.53	0.38	22.64	0.184	7.000	Pass
			RB3#2	22.33	2.53	0.38	22.71	0.187	7.000	Pass
			RB3#3	22.28	2.53	0.38	22.66	0.185	7.000	Pass
			RB6#0	21.1	2.53	0.38	21.48	0.141	7.000	Pass
	HCH	QPSK	RB1#0	23.47	2.53	0.38	23.85	0.243	7.000	Pass
			RB1#3	23.65	2.53	0.38	24.03	0.253	7.000	Pass
RB1#5			23.57	2.53	0.38	23.95	0.248	7.000	Pass	
RB3#0			23.57	2.53	0.38	23.95	0.248	7.000	Pass	
RB3#2			23.64	2.53	0.38	24.02	0.252	7.000	Pass	
RB3#3			23.54	2.53	0.38	23.92	0.247	7.000	Pass	
RB6#0			22.55	2.53	0.38	22.93	0.196	7.000	Pass	
16-QAM		RB1#0	22.43	2.53	0.38	22.81	0.191	7.000	Pass	
		RB1#3	22.45	2.53	0.38	22.83	0.192	7.000	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 BAND26 (Part 22)										
3 MHz			RB1#5	22.34	2.53	0.38	22.72	0.187	7.000	Pass
			RB3#0	22.63	2.53	0.38	23.01	0.200	7.000	Pass
			RB3#2	22.68	2.53	0.38	23.06	0.202	7.000	Pass
			RB3#3	22.59	2.53	0.38	22.97	0.198	7.000	Pass
			RB6#0	21.44	2.53	0.38	21.82	0.152	7.000	Pass
	LCH	QPSK	RB1#0	23.3	2.53	0.38	23.68	0.233	7.000	Pass
			RB1#7	23.15	2.53	0.38	23.53	0.225	7.000	Pass
			RB1#14	23.18	2.53	0.38	23.56	0.227	7.000	Pass
			RB8#0	22.46	2.53	0.38	22.84	0.192	7.000	Pass
			RB8#4	22.39	2.53	0.38	22.77	0.189	7.000	Pass
			RB8#7	22.29	2.53	0.38	22.67	0.185	7.000	Pass
		RB15#0	22.44	2.53	0.38	22.82	0.191	7.000	Pass	
		16-QAM	RB1#0	22.42	2.53	0.38	22.80	0.191	7.000	Pass
			RB1#7	22.29	2.53	0.38	22.67	0.185	7.000	Pass
			RB1#14	22.35	2.53	0.38	22.73	0.187	7.000	Pass
			RB8#0	21.67	2.53	0.38	22.05	0.160	7.000	Pass
			RB8#4	21.73	2.53	0.38	22.11	0.163	7.000	Pass
			RB8#7	21.75	2.53	0.38	22.13	0.163	7.000	Pass
	MCH	QPSK	RB1#0	23.41	2.53	0.38	23.79	0.239	7.000	Pass
			RB1#7	23.52	2.53	0.38	23.90	0.245	7.000	Pass
			RB1#14	23.43	2.53	0.38	23.81	0.240	7.000	Pass
			RB8#0	22.4	2.53	0.38	22.78	0.190	7.000	Pass
			RB8#4	22.52	2.53	0.38	22.90	0.195	7.000	Pass
			RB8#7	22.54	2.53	0.38	22.92	0.196	7.000	Pass
		RB15#0	22.47	2.53	0.38	22.85	0.193	7.000	Pass	
		16-QAM	RB1#0	22.38	2.53	0.38	22.76	0.189	7.000	Pass
			RB1#7	22.17	2.53	0.38	22.55	0.180	7.000	Pass
			RB1#14	22.15	2.53	0.38	22.53	0.179	7.000	Pass
RB8#0			21.22	2.53	0.38	21.60	0.145	7.000	Pass	
RB8#4			21.26	2.53	0.38	21.64	0.146	7.000	Pass	
RB8#7			21.26	2.53	0.38	21.64	0.146	7.000	Pass	
RB15#0	21.46	2.53	0.38	21.84	0.153	7.000	Pass			
HCH	QPSK	RB1#0	23.47	2.53	0.38	23.85	0.243	7.000	Pass	
		RB1#7	23.4	2.53	0.38	23.78	0.239	7.000	Pass	
		RB1#14	23.35	2.53	0.38	23.73	0.236	7.000	Pass	
		RB8#0	22.4	2.53	0.38	22.78	0.190	7.000	Pass	
		RB8#4	22.38	2.53	0.38	22.76	0.189	7.000	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 BAND26 (Part 22)												
		16-QAM	RB8#7	22.38	2.53	0.38	22.76	0.189	7.000	Pass		
			RB15#0	22.46	2.53	0.38	22.84	0.192	7.000	Pass		
			RB1#0	22.64	2.53	0.38	23.02	0.200	7.000	Pass		
			RB1#7	22.46	2.53	0.38	22.84	0.192	7.000	Pass		
			RB1#14	22.5	2.53	0.38	22.88	0.194	7.000	Pass		
			RB8#0	21.44	2.53	0.38	21.82	0.152	7.000	Pass		
			RB8#4	21.32	2.53	0.38	21.70	0.148	7.000	Pass		
			RB8#7	21.31	2.53	0.38	21.69	0.148	7.000	Pass		
		5 MHz	LCH	QPSK	RB1#0	23.34	2.53	0.38	23.72	0.236	7.000	Pass
					RB1#13	23.2	2.53	0.38	23.58	0.228	7.000	Pass
					RB1#24	23.33	2.53	0.38	23.71	0.235	7.000	Pass
					RB12#0	22.43	2.53	0.38	22.81	0.191	7.000	Pass
					RB12#6	22.32	2.53	0.38	22.70	0.186	7.000	Pass
					RB12#13	22.35	2.53	0.38	22.73	0.187	7.000	Pass
					RB25#0	22.41	2.53	0.38	22.79	0.190	7.000	Pass
				16-QAM	RB1#0	21.88	2.53	0.38	22.26	0.168	7.000	Pass
RB1#13	21.78				2.53	0.38	22.16	0.164	7.000	Pass		
RB1#24	21.66				2.53	0.38	22.04	0.160	7.000	Pass		
RB12#0	21.41				2.53	0.38	21.79	0.151	7.000	Pass		
RB12#6	21.36				2.53	0.38	21.74	0.149	7.000	Pass		
RB12#13	21.39				2.53	0.38	21.77	0.150	7.000	Pass		
RB25#0	21.5				2.53	0.38	21.88	0.154	7.000	Pass		
QPSK	RB1#0				23.17	2.53	0.38	23.55	0.226	7.000	Pass	
	RB1#13				23.4	2.53	0.38	23.78	0.239	7.000	Pass	
	RB1#24	23.22	2.53	0.38	23.60	0.229	7.000	Pass				
	RB12#0	22.39	2.53	0.38	22.77	0.189	7.000	Pass				
	RB12#6	22.52	2.53	0.38	22.90	0.195	7.000	Pass				
	RB12#13	22.52	2.53	0.38	22.90	0.195	7.000	Pass				
	RB25#0	22.42	2.53	0.38	22.80	0.191	7.000	Pass				
16-QAM	RB1#0	22.35	2.53	0.38	22.73	0.187	7.000	Pass				
	RB1#13	22.42	2.53	0.38	22.80	0.191	7.000	Pass				
	RB1#24	22.36	2.53	0.38	22.74	0.188	7.000	Pass				
	RB12#0	21.29	2.53	0.38	21.67	0.147	7.000	Pass				
	RB12#6	21.32	2.53	0.38	21.70	0.148	7.000	Pass				
	RB12#13	21.24	2.53	0.38	21.62	0.145	7.000	Pass				
	RB25#0	21.35	2.53	0.38	21.73	0.149	7.000	Pass				
HCH	QPSK	RB1#0	23.19	2.53	0.38	23.57	0.228	7.000	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 BAND26 (Part 22)										
			RB1#13	23.31	2.53	0.38	23.69	0.234	7.000	Pass
			RB1#24	23.13	2.53	0.38	23.51	0.224	7.000	Pass
			RB12#0	22.43	2.53	0.38	22.81	0.191	7.000	Pass
			RB12#6	22.45	2.53	0.38	22.83	0.192	7.000	Pass
			RB12#13	22.42	2.53	0.38	22.80	0.191	7.000	Pass
			RB25#0	22.32	2.53	0.38	22.70	0.186	7.000	Pass
		16-QAM	RB1#0	22.23	2.53	0.38	22.61	0.182	7.000	Pass
			RB1#13	22.12	2.53	0.38	22.50	0.178	7.000	Pass
			RB1#24	22	2.53	0.38	22.38	0.173	7.000	Pass
			RB12#0	21.25	2.53	0.38	21.63	0.146	7.000	Pass
			RB12#6	21.26	2.53	0.38	21.64	0.146	7.000	Pass
			RB12#13	21.26	2.53	0.38	21.64	0.146	7.000	Pass
			RB25#0	21.27	2.53	0.38	21.65	0.146	7.000	Pass
			10 MHz	LCH	QPSK	RB1#0	23.27	2.53	0.38	23.65
RB1#25	23.3	2.53				0.38	23.68	0.233	7.000	Pass
RB1#49	23.28	2.53				0.38	23.66	0.232	7.000	Pass
RB25#0	22.39	2.53				0.38	22.77	0.189	7.000	Pass
RB25#13	22.35	2.53				0.38	22.73	0.187	7.000	Pass
RB25#25	22.32	2.53				0.38	22.70	0.186	7.000	Pass
RB50#0	22.37	2.53				0.38	22.75	0.188	7.000	Pass
16-QAM	RB1#0	22.42			2.53	0.38	22.80	0.191	7.000	Pass
	RB1#25	22.38			2.53	0.38	22.76	0.189	7.000	Pass
	RB1#49	22.43			2.53	0.38	22.81	0.191	7.000	Pass
	RB25#0	21.36			2.53	0.38	21.74	0.149	7.000	Pass
	RB25#13	21.3			2.53	0.38	21.68	0.147	7.000	Pass
	RB25#25	21.29			2.53	0.38	21.67	0.147	7.000	Pass
	RB27#0	21.24			2.53	0.38	21.62	0.145	7.000	Pass
MCH	QPSK	RB1#0	23.13	2.53	0.38	23.51	0.224	7.000	Pass	
		RB1#25	23.9	2.53	0.38	24.28	0.268	7.000	Pass	
		RB1#49	23.46	2.53	0.38	23.84	0.242	7.000	Pass	
		RB25#0	22.31	2.53	0.38	22.69	0.186	7.000	Pass	
		RB25#13	22.54	2.53	0.38	22.92	0.196	7.000	Pass	
		RB25#25	22.53	2.53	0.38	22.91	0.195	7.000	Pass	
		RB50#0	22.43	2.53	0.38	22.81	0.191	7.000	Pass	
	16-QAM	RB1#0	22.21	2.53	0.38	22.59	0.182	7.000	Pass	
		RB1#25	22.43	2.53	0.38	22.81	0.191	7.000	Pass	
		RB1#49	22.1	2.53	0.38	22.48	0.177	7.000	Pass	
		RB25#0	21.3	2.53	0.38	21.68	0.147	7.000	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 BAND26 (Part 22)											
	HCH	QPSK	RB25#13	21.44	2.53	0.38	21.82	0.152	7.000	Pass	
			RB25#25	21.41	2.53	0.38	21.79	0.151	7.000	Pass	
			RB27#0	21.29	2.53	0.38	21.67	0.147	7.000	Pass	
		RB1#0	23.34	2.53	0.38	23.72	0.236	7.000	Pass		
		RB1#25	23.4	2.53	0.38	23.78	0.239	7.000	Pass		
		RB1#49	23.33	2.53	0.38	23.71	0.235	7.000	Pass		
		RB25#0	22.48	2.53	0.38	22.86	0.193	7.000	Pass		
		RB25#13	22.48	2.53	0.38	22.86	0.193	7.000	Pass		
		RB25#25	22.52	2.53	0.38	22.90	0.195	7.000	Pass		
		RB50#0	22.52	2.53	0.38	22.90	0.195	7.000	Pass		
	16-QAM	RB1#0	22.39	2.53	0.38	22.77	0.189	7.000	Pass		
		RB1#25	22.36	2.53	0.38	22.74	0.188	7.000	Pass		
		RB1#49	22.32	2.53	0.38	22.70	0.186	7.000	Pass		
		RB25#0	21.62	2.53	0.38	22.00	0.158	7.000	Pass		
		RB25#13	21.49	2.53	0.38	21.87	0.154	7.000	Pass		
		RB25#25	21.48	2.53	0.38	21.86	0.153	7.000	Pass		
		RB27#0	21.59	2.53	0.38	21.97	0.157	7.000	Pass		
	15 MHz	LCH	QPSK	RB1#0	23.17	2.53	0.38	23.55	0.226	7.000	Pass
				RB1#38	23.18	2.53	0.38	23.56	0.227	7.000	Pass
				RB1#74	23.67	2.53	0.38	24.05	0.254	7.000	Pass
RB36#0				22.36	2.53	0.38	22.74	0.188	7.000	Pass	
RB36#19				22.47	2.53	0.38	22.85	0.193	7.000	Pass	
RB36#39				22.42	2.53	0.38	22.80	0.191	7.000	Pass	
RB75#0				22.21	2.53	0.38	22.59	0.182	7.000	Pass	
16-QAM		RB1#0	22.25	2.53	0.38	22.63	0.183	7.000	Pass		
		RB1#38	22.28	2.53	0.38	22.66	0.185	7.000	Pass		
		RB1#74	22.32	2.53	0.38	22.70	0.186	7.000	Pass		
		RB27#0	21.28	2.53	0.38	21.66	0.147	7.000	Pass		
		MCH	QPSK	RB1#0	23.19	2.53	0.38	23.57	0.228	7.000	Pass
				RB1#38	23.56	2.53	0.38	23.94	0.248	7.000	Pass
RB1#74	23.33			2.53	0.38	23.71	0.235	7.000	Pass		
RB36#0	22.29			2.53	0.38	22.67	0.185	7.000	Pass		
RB36#19	22.5			2.53	0.38	22.88	0.194	7.000	Pass		
RB36#39	22.49			2.53	0.38	22.87	0.194	7.000	Pass		
16-QAM	RB75#0	22.33	2.53	0.38	22.71	0.187	7.000	Pass			
	RB1#0	21.99	2.53	0.38	22.37	0.173	7.000	Pass			
	RB1#38	22.41	2.53	0.38	22.79	0.190	7.000	Pass			
			RB1#74	21.87	2.53	0.38	22.25	0.168	7.000	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 BAND26 (Part 22)										
		QPSK	RB27#0	21.42	2.53	0.38	21.80	0.151	7.000	Pass
			RB1#0	23.28	2.53	0.38	23.66	0.232	7.000	Pass
			RB1#38	23.36	2.53	0.38	23.74	0.237	7.000	Pass
			RB1#74	23.23	2.53	0.38	23.61	0.230	7.000	Pass
			RB36#0	22.44	2.53	0.38	22.82	0.191	7.000	Pass
			RB36#19	22.31	2.53	0.38	22.69	0.186	7.000	Pass
			RB36#39	22.35	2.53	0.38	22.73	0.187	7.000	Pass
		RB75#0	22.34	2.53	0.38	22.72	0.187	7.000	Pass	
		16-QAM	RB1#0	22.57	2.53	0.38	22.95	0.197	7.000	Pass
			RB1#38	22.79	2.53	0.38	23.17	0.207	7.000	Pass
			RB1#74	22.81	2.53	0.38	23.19	0.208	7.000	Pass
			RB27#0	21.55	2.53	0.38	21.93	0.156	7.000	Pass

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.

Note 2: Test plots please refer to the document “Annex No.:BL-SZ23B0761-501 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	2.91	13	1.1	Pass
	MCH	2.95	13	1.2	Pass
	HCH	2.91	13	1.3	Pass
Band 4	LCH	2.95	13	2.1	Pass
	MCH	2.95	13	2.2	Pass
	HCH	2.72	13	2.3	Pass
Band 5	LCH	3.14	13	3.1	Pass
	MCH	2.95	13	3.2	Pass
	HCH	2.95	13	3.3	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	4.17	13	4.1	Pass
				RB100#0	5.02	13	4.2	Pass
			16-QAM	RB1#0	4.97	13	4.3	Pass
				RB27#0	5.62	13	4.4	Pass
		MCH	QPSK	RB1#0	4.45	13	4.5	Pass
				RB100#0	5.16	13	4.6	Pass
			16-QAM	RB1#0	5.44	13	4.7	Pass
				RB27#0	5.86	13	4.8	Pass
		HCH	QPSK	RB1#0	4.55	13	4.9	Pass
				RB100#0	5.2	13	4.10	Pass
			16-QAM	RB1#0	5.53	13	4.11	Pass
				RB27#0	6	13	4.12	Pass
LTE Band 4	20 MHz	LCH	QPSK	RB1#0	4.31	13	5.1	Pass
				RB100#0	5.16	13	5.2	Pass
			16-QAM	RB1#0	5.16	13	5.3	Pass
				RB27#0	5.81	13	5.4	Pass
		MCH	QPSK	RB1#0	4.45	13	5.5	Pass
				RB100#0	4.97	13	5.6	Pass
			16-QAM	RB1#0	5.44	13	5.7	Pass
				RB27#0	5.86	13	5.8	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	RB1#0	3.98	13	5.9	Pass
				RB100#0	4.87	13	5.10	Pass
			16-QAM	RB1#0	4.87	13	5.11	Pass
				RB27#0	5.48	13	5.12	Pass
LTE Band 5	10 MHz	LCH	QPSK	RB1#0	4.64	13	6.1	Pass
				RB50#0	5.39	13	6.2	Pass
			16-QAM	RB1#0	5.48	13	6.3	Pass
				RB27#0	6.05	13	6.4	Pass
		MCH	QPSK	RB1#0	4.69	13	6.5	Pass
				RB50#0	5.16	13	6.6	Pass
			16-QAM	RB1#0	5.62	13	6.7	Pass
				RB27#0	5.91	13	6.8	Pass
		HCH	QPSK	RB1#0	4.17	13	6.9	Pass
				RB50#0	5.02	13	6.10	Pass
			16-QAM	RB1#0	5.16	13	6.11	Pass
				RB27#0	5.72	13	6.12	Pass
LTE Band 12	10 MHz	LCH	QPSK	RB1#0	4.03	13	7.1	Pass
				RB50#0	5.02	13	7.2	Pass
			16-QAM	RB1#0	4.83	13	7.3	Pass
				RB27#0	5.62	13	7.4	Pass
		MCH	QPSK	RB1#0	4.27	13	7.5	Pass
				RB50#0	5.02	13	7.6	Pass
			16-QAM	RB1#0	5.02	13	7.7	Pass
				RB27#0	5.67	13	7.8	Pass
		HCH	QPSK	RB1#0	4.08	13	7.9	Pass
				RB50#0	4.87	13	7.10	Pass
			16-QAM	RB1#0	5.02	13	7.11	Pass
				RB27#0	5.58	13	7.12	Pass
LTE Band 13	10 MHz	MCH	QPSK	RB1#0	3.94	13	8.1	Pass
				RB50#0	5.11	13	8.2	Pass
			16-QAM	RB1#0	4.64	13	8.3	Pass
				RB27#0	5.48	13	8.4	Pass
LTE Band 25	20 MHz	LCH	QPSK	RB1#0	4.41	13	9.1	Pass
				RB100#0	5.02	13	9.2	Pass
			16-QAM	RB1#0	5.11	13	9.3	Pass
				RB27#0	5.72	13	9.4	Pass
		MCH	QPSK	RB1#0	4.59	13	9.5	Pass
				RB100#0	5.2	13	9.6	Pass
			16-QAM	RB1#0	5.53	13	9.7	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	RB27#0	5.91	13	9.8	Pass
				RB1#0	4.55	13	9.9	Pass
				RB100#0	5.2	13	9.10	Pass
			16-QAM	RB1#0	5.48	13	9.11	Pass
				RB27#0	6.05	13	9.12	Pass
LTE Band 26 (Part22)	15 MHz	LCH	QPSK	RB1#0	4.64	13	10.1	Pass
				RB75#0	5.53	13	10.2	Pass
			16-QAM	RB1#0	5.48	13	10.3	Pass
				RB27#0	5.95	13	10.4	Pass
		MCH	QPSK	RB1#0	4.69	13	10.5	Pass
				RB75#0	5.3	13	10.6	Pass
			16-QAM	RB1#0	5.62	13	10.7	Pass
				RB27#0	5.95	13	10.8	Pass
		HCH	QPSK	RB1#0	4.55	13	10.9	Pass
				RB75#0	5.16	13	10.10	Pass
			16-QAM	RB1#0	5.44	13	10.11	Pass
				RB27#0	5.72	13	10.12	Pass
LTE Band 26 (Part90)	10 MHz	MCH	QPSK	RB1#0	4.59	13	11.1	Pass
				RB50#0	5.11	13	11.2	Pass
			16-QAM	RB1#0	5.39	13	11.3	Pass
				RB27#0	5.77	13	11.4	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-SZ23B0761-501 Data Part 2.pdf”.

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	4.115	4.725	1.1
	MCH	4.114	4.72	1.2
	HCH	4.112	4.718	1.3
WCDMA Band 4	LCH	4.118	4.719	2.1
	MCH	4.112	4.719	2.2
	HCH	4.119	4.735	2.3
WCDMA Band 5	LCH	4.117	4.709	3.1
	MCH	4.135	4.732	3.2
	HCH	4.11	4.715	3.3

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	1.089	1.284	4.1
			16-QAM	RB6#0	1.095	1.306	4.2
		MCH	QPSK	RB6#0	1.093	1.307	4.3
			16-QAM	RB6#0	1.09	1.289	4.4
		HCH	QPSK	RB6#0	1.099	1.278	4.5
			16-QAM	RB6#0	1.094	1.299	4.6
	3 MHz	LCH	QPSK	RB15#0	2.705	2.991	4.7
			16-QAM	RB15#0	2.717	3.011	4.8
		MCH	QPSK	RB15#0	2.708	2.991	4.9
			16-QAM	RB15#0	2.699	2.997	4.10
		HCH	QPSK	RB15#0	2.705	2.995	4.11
			16-QAM	RB15#0	2.701	2.996	4.12
	5 MHz	LCH	QPSK	RB25#0	4.517	5.024	4.13
			16-QAM	RB25#0	4.499	5.003	4.14
		MCH	QPSK	RB25#0	4.5	5.038	4.15
			16-QAM	RB25#0	4.516	5.032	4.16
		HCH	QPSK	RB25#0	4.494	5.014	4.17
			16-QAM	RB25#0	4.516	5.054	4.18
	10 MHz	LCH	QPSK	RB50#0	8.949	9.906	4.19
			16-QAM	RB27#0	4.987	5.867	4.20
		MCH	QPSK	RB50#0	8.976	9.974	4.21
			16-QAM	RB27#0	4.978	5.898	4.22
		HCH	QPSK	RB50#0	8.92	9.869	4.23
			16-QAM	RB27#0	4.97	5.867	4.24
	15 MHz	LCH	QPSK	RB75#0	13.387	14.796	4.25
			16-QAM	RB27#0	5.118	6.156	4.26
		MCH	QPSK	RB75#0	13.426	14.793	4.27
			16-QAM	RB27#0	5.108	6.126	4.28
		HCH	QPSK	RB75#0	13.364	14.716	4.29
			16-QAM	RB27#0	5.105	6.138	4.30
	20 MHz	LCH	QPSK	RB100#0	17.85	19.643	4.31
			16-QAM	RB27#0	5.294	6.569	4.32
MCH		QPSK	RB100#0	17.841	19.392	4.33	
		16-QAM	RB27#0	5.238	6.72	4.34	
HCH		QPSK	RB100#0	17.863	19.434	4.35	
		16-QAM	RB27#0	5.25	6.527	4.36	

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	1.088	1.288	5.1
			16-QAM	RB6#0	1.096	1.305	5.2
		MCH	QPSK	RB6#0	1.094	1.303	5.3
			16-QAM	RB6#0	1.09	1.285	5.4
		HCH	QPSK	RB6#0	1.097	1.282	5.5
			16-QAM	RB6#0	1.091	1.296	5.6
	3 MHz	LCH	QPSK	RB15#0	2.705	2.993	5.7
			16-QAM	RB15#0	2.715	3.008	5.8
		MCH	QPSK	RB15#0	2.704	2.988	5.9
			16-QAM	RB15#0	2.697	3.004	5.10
		HCH	QPSK	RB15#0	2.702	2.999	5.11
			16-QAM	RB15#0	2.696	3.011	5.12
	5 MHz	LCH	QPSK	RB25#0	4.519	5.041	5.13
			16-QAM	RB25#0	4.501	4.997	5.14
		MCH	QPSK	RB25#0	4.505	5.046	5.15
			16-QAM	RB25#0	4.518	5.043	5.16
		HCH	QPSK	RB25#0	4.492	5.015	5.17
			16-QAM	RB25#0	4.517	5.044	5.18
	10 MHz	LCH	QPSK	RB50#0	8.961	9.945	5.19
			16-QAM	RB27#0	4.992	5.876	5.20
		MCH	QPSK	RB50#0	8.975	9.986	5.21
			16-QAM	RB27#0	4.997	5.923	5.22
		HCH	QPSK	RB50#0	8.938	9.871	5.23
			16-QAM	RB27#0	4.966	5.902	5.24
	15 MHz	LCH	QPSK	RB75#0	13.421	14.807	5.25
			16-QAM	RB27#0	5.137	6.169	5.26
		MCH	QPSK	RB75#0	13.435	14.802	5.27
			16-QAM	RB27#0	5.105	6.099	5.28
HCH		QPSK	RB75#0	13.377	14.674	5.29	
		16-QAM	RB27#0	5.117	6.167	5.30	
20 MHz	LCH	QPSK	RB100#0	17.933	19.715	5.31	
		16-QAM	RB27#0	5.285	6.578	5.32	
	MCH	QPSK	RB100#0	17.867	19.35	5.33	
		16-QAM	RB27#0	5.272	6.784	5.34	
	HCH	QPSK	RB100#0	17.857	19.442	5.35	
		16-QAM	RB27#0	5.273	6.629	5.36	

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	1.087	1.275	6.1
			16-QAM	RB6#0	1.094	1.279	6.2
		MCH	QPSK	RB6#0	1.087	1.29	6.3
			16-QAM	RB6#0	1.087	1.275	6.4
		HCH	QPSK	RB6#0	1.09	1.273	6.5
			16-QAM	RB6#0	1.091	1.288	6.6
	3 MHz	LCH	QPSK	RB15#0	2.702	2.993	6.7
			16-QAM	RB15#0	2.703	2.996	6.8
		MCH	QPSK	RB15#0	2.703	2.977	6.9
			16-QAM	RB15#0	2.696	2.991	6.10
		HCH	QPSK	RB15#0	2.703	3.005	6.11
			16-QAM	RB15#0	2.696	2.998	6.12
	5 MHz	LCH	QPSK	RB25#0	4.512	4.987	6.13
			16-QAM	RB25#0	4.498	4.971	6.14
		MCH	QPSK	RB25#0	4.496	5.013	6.15
			16-QAM	RB25#0	4.505	4.988	6.16
		HCH	QPSK	RB25#0	4.495	4.989	6.17
			16-QAM	RB25#0	4.501	4.993	6.18
	10 MHz	LCH	QPSK	RB50#0	8.969	9.928	6.19
			16-QAM	RB27#0	4.973	5.838	6.20
		MCH	QPSK	RB50#0	8.946	9.88	6.21
			16-QAM	RB27#0	4.97	5.796	6.22
		HCH	QPSK	RB50#0	8.941	9.805	6.23
			16-QAM	RB27#0	4.961	5.81	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 12	1.4 MHz	LCH	QPSK	RB6#0	1.088	1.275	7.1
			16-QAM	RB6#0	1.091	1.277	7.2
		MCH	QPSK	RB6#0	1.087	1.298	7.3
			16-QAM	RB6#0	1.088	1.277	7.4
		HCH	QPSK	RB6#0	1.093	1.261	7.5
			16-QAM	RB6#0	1.092	1.29	7.6
	3 MHz	LCH	QPSK	RB15#0	2.698	2.992	7.7
			16-QAM	RB15#0	2.704	2.998	7.8
		MCH	QPSK	RB15#0	2.705	2.975	7.9
			16-QAM	RB15#0	2.698	2.987	7.10
		HCH	QPSK	RB15#0	2.705	2.984	7.11
			16-QAM	RB15#0	2.696	2.983	7.12
	5 MHz	LCH	QPSK	RB25#0	4.498	4.979	7.13
			16-QAM	RB25#0	4.497	4.956	7.14
		MCH	QPSK	RB25#0	4.496	5.014	7.15
			16-QAM	RB25#0	4.509	4.998	7.16
		HCH	QPSK	RB25#0	4.49	4.996	7.17
			16-QAM	RB25#0	4.506	4.996	7.18
	10 MHz	LCH	QPSK	RB50#0	8.966	9.927	7.19
			16-QAM	RB27#0	4.967	5.793	7.20
		MCH	QPSK	RB50#0	8.959	9.906	7.21
			16-QAM	RB27#0	4.958	5.823	7.22
		HCH	QPSK	RB50#0	8.926	9.799	7.23
			16-QAM	RB27#0	4.959	5.868	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 13	5 MHz	LCH	QPSK	RB25#0	4.5	4.975	8.1
			16-QAM	RB25#0	4.487	4.939	8.2
		MCH	QPSK	RB25#0	4.498	5.017	8.3
			16-QAM	RB25#0	4.515	4.992	8.4
		HCH	QPSK	RB25#0	4.495	5.001	8.5
			16-QAM	RB25#0	4.512	5	8.6
	10 MHz	MCH	QPSK	RB50#0	8.968	9.934	8.7
			16-QAM	RB27#0	4.96	5.803	8.8

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 25	1.4 MHz	LCH	QPSK	RB6#0	1.088	1.273	9.1
			16-QAM	RB6#0	1.092	1.284	9.2
		MCH	QPSK	RB6#0	1.087	1.299	9.3
			16-QAM	RB6#0	1.085	1.278	9.4
		HCH	QPSK	RB6#0	1.094	1.278	9.5
			16-QAM	RB6#0	1.093	1.297	9.6
	3 MHz	LCH	QPSK	RB15#0	2.701	2.977	9.7
			16-QAM	RB15#0	2.704	2.993	9.8
		MCH	QPSK	RB15#0	2.704	2.983	9.9
			16-QAM	RB15#0	2.7	2.982	9.10
		HCH	QPSK	RB15#0	2.704	2.998	9.11
			16-QAM	RB15#0	2.699	3.002	9.12
	5 MHz	LCH	QPSK	RB25#0	4.51	4.982	9.13
			16-QAM	RB25#0	4.5	4.975	9.14
		MCH	QPSK	RB25#0	4.499	5.012	9.15
			16-QAM	RB25#0	4.516	4.986	9.16
		HCH	QPSK	RB25#0	4.503	5.001	9.17
			16-QAM	RB25#0	4.515	5.007	9.18
	10 MHz	LCH	QPSK	RB50#0	8.949	9.887	9.19
			16-QAM	RB27#0	4.978	5.792	9.20
		MCH	QPSK	RB50#0	8.95	9.935	9.21
			16-QAM	RB27#0	4.963	5.778	9.22
		HCH	QPSK	RB50#0	8.952	9.87	9.23
			16-QAM	RB27#0	4.948	5.801	9.24
	15 MHz	LCH	QPSK	RB75#0	13.382	14.734	9.25
			16-QAM	RB27#0	5.098	6.139	9.26
		MCH	QPSK	RB75#0	13.416	14.655	9.27
			16-QAM	RB27#0	5.065	6.048	9.28
		HCH	QPSK	RB75#0	13.365	14.579	9.29
			16-QAM	RB27#0	5.09	6.105	9.30
	20 MHz	LCH	QPSK	RB100#0	17.856	19.55	9.31
			16-QAM	RB27#0	5.269	6.554	9.32
		MCH	QPSK	RB100#0	17.869	19.472	9.33
			16-QAM	RB27#0	5.219	6.547	9.34
		HCH	QPSK	RB100#0	17.847	19.402	9.35
			16-QAM	RB27#0	5.215	6.452	9.36

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 26 (Part22)	1.4 MHz	LCH	QPSK	RB6#0	1.087	1.275	10.1
			16-QAM	RB6#0	1.091	1.279	10.2
		MCH	QPSK	RB6#0	1.087	1.291	10.3
			16-QAM	RB6#0	1.088	1.274	10.4
		HCH	QPSK	RB6#0	1.092	1.273	10.5
			16-QAM	RB6#0	1.089	1.276	10.6
	3 MHz	LCH	QPSK	RB15#0	2.702	2.988	10.7
			16-QAM	RB15#0	2.705	2.998	10.8
		MCH	QPSK	RB15#0	2.702	2.977	10.9
			16-QAM	RB15#0	2.699	2.986	10.10
		HCH	QPSK	RB15#0	2.705	2.992	10.11
			16-QAM	RB15#0	2.695	3.002	10.12
	5 MHz	LCH	QPSK	RB25#0	4.51	5.003	10.13
			16-QAM	RB25#0	4.495	4.969	10.14
		MCH	QPSK	RB25#0	4.496	4.977	10.15
			16-QAM	RB25#0	4.505	4.991	10.16
		HCH	QPSK	RB25#0	4.495	4.991	10.17
			16-QAM	RB25#0	4.508	4.984	10.18
	10 MHz	LCH	QPSK	RB50#0	8.963	9.906	10.19
			16-QAM	RB27#0	4.976	5.839	10.20
		MCH	QPSK	RB50#0	8.953	9.901	10.21
			16-QAM	RB27#0	4.963	5.822	10.22
		HCH	QPSK	RB50#0	8.93	9.791	10.23
			16-QAM	RB27#0	4.953	5.813	10.24
15 MHz	LCH	QPSK	RB75#0	13.409	14.755	10.25	
		16-QAM	RB27#0	5.107	6.12	10.26	
	MCH	QPSK	RB75#0	13.389	14.6	10.27	
		16-QAM	RB27#0	5.07	6.031	10.28	
	HCH	QPSK	RB75#0	13.373	14.596	10.29	
		16-QAM	RB27#0	5.07	6.099	10.30	

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 26 (Part90)	1.4 MHz	LCH	QPSK	RB6#0	1.087	1.275	11.1
			16-QAM	RB6#0	1.091	1.279	11.2
		MCH	QPSK	RB6#0	1.086	1.293	11.3
			16-QAM	RB6#0	1.087	1.273	11.4
		HCH	QPSK	RB6#0	1.092	1.275	11.5
			16-QAM	RB6#0	1.089	1.283	11.6
	3 MHz	LCH	QPSK	RB15#0	2.697	2.967	11.7
			16-QAM	RB15#0	2.702	2.994	11.8
		MCH	QPSK	RB15#0	2.703	2.984	11.9
			16-QAM	RB15#0	2.699	2.978	11.10
		HCH	QPSK	RB15#0	2.701	2.984	11.11
			16-QAM	RB15#0	2.695	2.997	11.12
	5 MHz	LCH	QPSK	RB25#0	4.5	5.005	11.13
			16-QAM	RB25#0	4.496	4.953	11.14
		MCH	QPSK	RB25#0	4.493	5.013	11.15
			16-QAM	RB25#0	4.513	4.996	11.16
		HCH	QPSK	RB25#0	4.489	4.994	11.17
			16-QAM	RB25#0	4.505	5.002	11.18
	10 MHz	MCH	QPSK	RB50#0	8.938	9.832	11.19
			16-QAM	RB27#0	4.962	5.784	11.20

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)	
3.8	-40	4.3	±4631	-2.61	±4700	-6.7	±4769	Pass
	-30	1.8		-4.07		-6.22		
	-20	2.87		-3.5		-6.12		
	-10	2.39		-4.03		-7.38		
	0	3.47		-3.14		-6.67		
	+10	3.55		-2.76		-6.38		
	+20	4		-2.27		-6.62		
	+25	2.47		-1.92		-5.15		
	+30	3.68		-2.02		-6.44		
	+40	4.45		-2.2		-6.08		
	+50	4.32		-2.59		-6.32		
	+60	4.51		-2.64		-6.02		
	+70	3.4		-2.34		-5.69		
	+80	3.86		-1.61		-6.14		
+85	3.46	-3.37	-6.1					
4.3	+25	4.71	-3.15	-7.42				
3.3	+25	4.71	-2.05	-6.17				

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)	
3.8	-40	12.74	±4281	-3.65	±4331	-11.98	±4381.5	Pass
	-30	18.77		-1.62				
	-20	18.36		-2.57				
	-10	17.47		-3.34				
	0	18.22		-3.03				
	+10	15.39		-1.86				
	+20	17.22		-3.25				
	+25	16.39		-2.83				
	+30	15.69		-3.13				
	+40	15.07		-3.43				
	+50	14.05		-2.62				
	+60	14.99		-3.8				
	+70	13.8		-3.82				
	+80	15.25		-3.13				
+85	7	-4.78						
4.3	+25	10.89	-4.5					
3.3	+25	11.19	-3.75					

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)	
3.8	-40	0.01	±2066	-1.51	±2091	-1.64	±2116.5	Pass
	-30	-1.6		-2.97		-1.42		
	-20	-0.87		-1.97		-2.27		
	-10	-0.16		-1.79		-1.86		
	0	0.82		-1.56		-1.75		
	+10	0.57		-1.4		-1.97		
	+20	0.44		-1.31		-1.92		
	+25	0.37		-1.34		-1.62		
	+30	1.06		-1.49		-0.89		
	+40	1.36		-1.09		-1.72		
	+50	1.26		-1.44		-1.52		
	+60	1.35		-0.86		-1.93		
	+70	1.57		-0.98		-1.37		
	+80	1.49		-0.97		-2.04		
+85	0.11	-1.37	-1.66					
4.3	+25	0.39	-1.31	-1.71				
3.3	+25	1.05	-1.14	-1.77				

LTE Band 2 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	-3.36	±4700	Pass
	-30	-3.81		
	-20	-3.52		
	-10	-3.95		
	0	-3.95		
	+10	-3.88		
	+20	-3.62		
	+25	-3.29		
	+30	-3.62		
	+40	-3.96		
	+50	-3.12		
	+60	-3.12		
	+70	-2		
	+80	-3.88		
+85	-3.99			
4.3	+25	-4.48		
3.3	+25	-1.67		

LTE Band 2 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	-3.93	±4700	Pass
	-30	-3.13		
	-20	-3.86		
	-10	-3.15		
	0	-4.75		
	+10	-3.48		
	+20	-3.69		
	+25	-3.03		
	+30	-4.06		
	+40	-4.19		
	+50	-3.83		
	+60	-4.21		
	+70	-3.25		
	+80	-3.33		
+85	-3.53			
4.3	+25	-3.4		
3.3	+25	-4.08		

LTE Band 4 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	0.5	±4331.25	Pass
	-30	-1.23		
	-20	0		
	-10	0.23		
	0	1.04		
	+10	0.8		
	+20	-0.76		
	+25	0.77		
	+30	0.09		
	+40	-0.17		
	+50	0.26		
	+60	0.96		
	+70	-0.21		
	+80	0.92		
+85	-0.44			
4.3	+25	0.06		
3.3	+25	0.79		

LTE Band 4 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	-0.36	±4331.25	Pass
	-30	-0.83		
	-20	0.07		
	-10	0.24		
	0	-0.06		
	+10	-0.29		
	+20	0.01		
	+25	0.3		
	+30	0.64		
	+40	0.26		
	+50	0.04		
	+60	0.39		
	+70	0.86		
	+80	1.03		
+85	0.41			
4.3	+25	-0.43		
3.3	+25	-0.66		

LTE Band 5 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	-0.76	±2091.25	Pass
	-30	-1.14		
	-20	-0.73		
	-10	-0.79		
	0	-0.41		
	+10	-1.17		
	+20	-0.11		
	+25	-0.5		
	+30	-0.29		
	+40	0.83		
	+50	-1.09		
	+60	-0.39		
	+70	-1.09		
	+80	-0.83		
+85	-1.17			
4.3	+25	-0.04		
3.3	+25	-0.16		

LTE Band 5 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	-0.47	±2091.25	Pass
	-30	-0.66		
	-20	-0.73		
	-10	-0.37		
	0	-1.29		
	+10	-1.22		
	+20	-0.96		
	+25	-1.34		
	+30	-0.26		
	+40	-0.62		
	+50	-0.92		
	+60	-1.34		
	+70	-1.13		
	+80	-1.1		
+85	-0.9			
4.3	+25	-0.1		
3.3	+25	-1.29		

LTE Band 12 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	-0.94	±1768.75	Pass
	-30	-0.86		
	-20	-0.79		
	-10	-1.23		
	0	-1.12		
	+10	-0.99		
	+20	-1		
	+25	-0.53		
	+30	-0.74		
	+40	-0.44		
	+50	-0.76		
	+60	-0.4		
	+70	-0.33		
	+80	-0.6		
+85	-1.2			
4.3	+25	-0.93		
3.3	+25	-0.51		

LTE Band 12 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	-0.4	±1768.75	Pass
	-30	-0.54		
	-20	-1.49		
	-10	-0.92		
	0	-0.04		
	+10	-0.13		
	+20	-0.44		
	+25	-0.36		
	+30	-0.46		
	+40	-1.17		
	+50	-0.21		
	+60	0.5		
	+70	-1.06		
	+80	-0.36		
+85	-0.5			
4.3	+25	-1.06		
3.3	+25	-1.07		

LTE Band 13 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-40	-0.62	±1955	Pass
	-30	-1.52		
	-20	-1.16		
	-10	-1.26		
	0	-1.24		
	+10	-1.13		
	+20	-1.29		
	+25	-0.69		
	+30	-0.62		
	+40	0.67		
	+50	-0.36		
	+60	-0.37		
	+70	-1.06		
	+80	-1.65		
	+85	-0.62		
4.3	+25	-0.5		
3.3	+25	0.56		

LTE Band 13 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-40	-0.54	±1955	Pass
	-30	-0.92		
	-20	-1.1		
	-10	-0.73		
	0	-1.34		
	+10	-1		
	+20	-0.37		
	+25	-0.3		
	+30	-0.76		
	+40	-0.17		
	+50	-0.93		
	+60	0.14		
	+70	-0.27		
	+80	-0.51		
	+85	-0.79		
4.3	+25	-0.2		
3.3	+25	0.17		

LTE Band 25 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1882.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-40	0.24	±4706.25	Pass
	-30	-0.09		
	-20	0.34		
	-10	0.84		
	0	0.74		
	+10	0.27		
	+20	0.51		
	+25	1.85		
	+30	1.33		
	+40	1.27		
	+50	1.66		
	+60	0.41		
	+70	0.82		
	+80	-0.29		
+85	-0.86			
4.3	+25	0.44		
3.3	+25	1.5		

LTE Band 25 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1882.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-40	0.47	±4706.25	Pass
	-30	0.51		
	-20	0.76		
	-10	0.49		
	0	0.36		
	+10	0.11		
	+20	0.21		
	+25	0.6		
	+30	1.33		
	+40	0.89		
	+50	0.49		
	+60	0.37		
	+70	-0.16		
	+80	0.24		
+85	0.92			
4.3	+25	0.06		
3.3	+25	-0.73		

LTE Band 26 (Part90) QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 819 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	-2.12	±2047.5	Pass
	-30	-1.77		
	-20	-1.87		
	-10	-2.07		
	0	-2.13		
	+10	-1.62		
	+20	-1.93		
	+25	-1.92		
	+30	-1.87		
	+40	-1.5		
	+50	-1.8		
	+60	-1.75		
	+70	-1.07		
	+80	-1.92		
+85	-1.86			
4.3	+25	-1.75		
3.3	+25	-1.34		

LTE Band 26 (Part90) 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 819 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	-2.42	±2047.5	Pass
	-30	-2		
	-20	-1.33		
	-10	-2.2		
	0	-1.75		
	+10	-1.36		
	+20	-1.87		
	+25	-2.55		
	+30	-0.76		
	+40	-2.25		
	+50	-2.39		
	+60	-1.54		
	+70	-1.69		
	+80	-2.83		
4.3	+25	-1.33		
3.3	+25	-1.09		

LTE Band 26 (Part22) QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	-0.39	±2091.25	Pass
	-30	-0.2		
	-20	-0.77		
	-10	-0.39		
	0	-1		
	+10	-1.06		
	+20	-0.64		
	+25	-0.63		
	+30	-1.1		
	+40	-0.3		
	+50	0.11		
	+60	-1.06		
	+70	-0.03		
	+80	-1.1		
+85	-1.2			
4.3	+25	0.87		
3.3	+25	-0.41		

LTE Band 26 (Part22) 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value(Hz)	Limits (Hz)	
3.8	-40	-1.07	±2091.25	Pass
	-30	-0.57		
	-20	-0.69		
	-10	-1.54		
	0	-0.6		
	+10	-0.9		
	+20	-0.33		
	+25	-1.1		
	+30	-0.53		
	+40	-0.53		
	+50	-1.29		
	+60	-0.3		
	+70	-1.24		
	+80	-1.03		
4.3	+25	-0.46		
3.3	+25	-0.23		

A.5 Spurious Emission at Antenna Terminals

Note 1: The frequencies of verdict which are marked by "N/A" should be ignored because they are UE carrier frequency.

Note 2: Test plots please refer to the document "Annex No.:BL-SZ23B0761-501 Data Part 3.pdf".

Note 3: 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	1.1	Pass
	MCH	1.2	Pass
	HCH	1.3	Pass
WCDMA Band 4	LCH	2.1	Pass
	MCH	2.2	Pass
	HCH	2.3	Pass
WCDMA Band 5	LCH	3.1	Pass
	MCH	3.2	Pass
	HCH	3.3	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	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
	3 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
	5 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
	10 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
15 MHz	LCH	QPSK	RB1#0	4.25	Pass	
		16-QAM	RB1#0	4.26	Pass	
	MCH	QPSK	RB1#0	4.27	Pass	
		16-QAM	RB1#0	4.28	Pass	
	HCH	QPSK	RB1#0	4.29	Pass	
		16-QAM	RB1#0	4.30	Pass	
20 MHz	LCH	QPSK	RB1#0	4.31	Pass	
		16-QAM	RB1#0	4.32	Pass	
	MCH	QPSK	RB1#0	4.33	Pass	
		16-QAM	RB1#0	4.34	Pass	
	HCH	QPSK	RB1#0	4.35	Pass	
		16-QAM	RB1#0	4.36	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	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 ^{Note2}	Verdict
Band 5	1.4 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
	3 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
	5 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
	10 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 ^{Note2}	Verdict
Band 12	1.4 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
	3 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
	5 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
	10 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 ^{Note2}	Verdict
Band 13	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

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note2}	Verdict
Band 25	1.4 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
	3 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
	5 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
	10 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
	15 MHz	LCH	QPSK	RB1#0	9.25	Pass
			16-QAM	RB1#0	9.26	Pass
		MCH	QPSK	RB1#0	9.27	Pass
			16-QAM	RB1#0	9.28	Pass
		HCH	QPSK	RB1#0	9.29	Pass
			16-QAM	RB1#0	9.30	Pass
	20 MHz	LCH	QPSK	RB1#0	9.31	Pass
			16-QAM	RB1#0	9.32	Pass
		MCH	QPSK	RB1#0	9.33	Pass
			16-QAM	RB1#0	9.34	Pass
		HCH	QPSK	RB1#0	9.35	Pass
			16-QAM	RB1#0	9.36	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 26 (Part22)	1.4 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
	3 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
	5 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
	10 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
	15 MHz	LCH	QPSK	RB1#0	10.25	Pass
			16-QAM	RB1#0	10.26	Pass
		MCH	QPSK	RB1#0	10.27	Pass
			16-QAM	RB1#0	10.28	Pass
		HCH	QPSK	RB1#0	10.29	Pass
			16-QAM	RB1#0	10.30	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 26 (Part90)	1.4 MHz	LCH	QPSK	RB1#0	11.1	Pass
			16-QAM	RB1#0	11.2	Pass
		MCH	QPSK	RB1#0	11.3	Pass
			16-QAM	RB1#0	11.4	Pass
		HCH	QPSK	RB1#0	11.5	Pass
			16-QAM	RB1#0	11.6	Pass
	3 MHz	LCH	QPSK	RB1#0	11.7	Pass
			16-QAM	RB1#0	11.8	Pass
		MCH	QPSK	RB1#0	11.9	Pass
			16-QAM	RB1#0	11.10	Pass
		HCH	QPSK	RB1#0	11.11	Pass
			16-QAM	RB1#0	11.12	Pass
	5 MHz	LCH	QPSK	RB1#0	11.13	Pass
			16-QAM	RB1#0	11.14	Pass
		MCH	QPSK	RB1#0	11.15	Pass
			16-QAM	RB1#0	11.16	Pass
		HCH	QPSK	RB1#0	11.17	Pass
			16-QAM	RB1#0	11.18	Pass
	10 MHz	MCH	QPSK	RB1#0	11.19	Pass
			16-QAM	RB1#0	11.20	Pass

A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.:BL-SZ23B0761-501 Data Part 4.pdf”.

WCDMA Mode Test Verdict

Test Band	Test Channel	Refer to Plot ^{Note1}	Verdict
WCDMA Band 2	LCH	1.1	Pass
	HCH	1.2	Pass
WCDMA Band 4	LCH	2.1	Pass
	HCH	2.2	Pass
WCDMA Band 5	LCH	3.1	Pass
	HCH	3.2	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	4.1	Pass	
				RB6#0	4.2	Pass	
			16-QAM	RB1#0	4.3	Pass	
		RB6#0		4.4	Pass		
		HCH	QPSK	RB1#5	4.5	Pass	
				RB6#0	4.6	Pass	
	16-QAM		RB1#5	4.7	Pass		
		RB6#0	4.8	Pass			
	3 MHz	LCH	QPSK	RB1#0	4.9	Pass	
				RB15#0	4.10	Pass	
			16-QAM	RB1#0	4.11	Pass	
				RB15#0	4.12	Pass	
			HCH	QPSK	RB1#14	4.13	Pass
					RB15#0	4.14	Pass
		16-QAM		RB1#14	4.15	Pass	
			RB15#0	4.16	Pass		
		5 MHz	LCH	QPSK	RB1#0	4.17	Pass
					RB25#0	4.18	Pass
				16-QAM	RB1#0	4.19	Pass
					RB25#0	4.20	Pass
	HCH		QPSK	RB1#24	4.21	Pass	
				RB25#0	4.22	Pass	
			16-QAM	RB1#24	4.23	Pass	
	RB25#0			4.24	Pass		
	10 MHz		LCH	QPSK	RB1#0	4.25	Pass
					RB50#0	4.26	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict	
			16-QAM	RB1#0	4.27	Pass	
				RB50#0	4.28	Pass	
		HCH	QPSK	RB1#49	4.29	Pass	
				RB50#0	4.30	Pass	
			16-QAM	RB1#49	4.31	Pass	
				RB50#0	4.32	Pass	
	15 MHz	LCH	QPSK	RB1#0	4.33	Pass	
				RB75#0	4.34	Pass	
			16-QAM	RB1#0	4.35	Pass	
				RB75#0	4.36	Pass	
		HCH	QPSK	RB1#74	4.37	Pass	
				RB75#0	4.38	Pass	
			16-QAM	RB1#74	4.39	Pass	
				RB75#0	4.40	Pass	
		20 MHz	LCH	QPSK	RB1#0	4.41	Pass
					RB100#0	4.42	Pass
				16-QAM	RB1#0	4.43	Pass
					RB100#0	4.44	Pass
	HCH		QPSK	RB1#99	4.45	Pass	
				RB100#0	4.46	Pass	
16-QAM			RB1#99	4.47	Pass		
			RB100#0	4.48	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	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
	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	
			RB1#74	5.39	Pass	

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
				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 5	1.4 MHz	LCH	QPSK	RB1#0	6.1	Pass
				RB6#0	6.2	Pass
			16-QAM	RB1#0	6.3	Pass
				RB6#0	6.4	Pass
		HCH	QPSK	RB1#5	6.5	Pass
				RB6#0	6.6	Pass
			16-QAM	RB1#5	6.7	Pass
				RB6#0	6.8	Pass
	3 MHz	LCH	QPSK	RB1#0	6.9	Pass
				RB15#0	6.10	Pass
			16-QAM	RB1#0	6.11	Pass
				RB15#0	6.12	Pass
		HCH	QPSK	RB1#14	6.13	Pass
				RB15#0	6.14	Pass
			16-QAM	RB1#14	6.15	Pass
				RB15#0	6.16	Pass
	5 MHz	LCH	QPSK	RB1#0	6.17	Pass
				RB25#0	6.18	Pass
			16-QAM	RB1#0	6.19	Pass
				RB25#0	6.20	Pass
		HCH	QPSK	RB1#24	6.21	Pass
				RB25#0	6.22	Pass
			16-QAM	RB1#24	6.23	Pass
				RB25#0	6.24	Pass
	10 MHz	LCH	QPSK	RB1#0	6.25	Pass
				RB50#0	6.26	Pass
			16-QAM	RB1#0	6.27	Pass
				RB50#0	6.28	Pass
		HCH	QPSK	RB1#49	6.29	Pass
				RB50#0	6.30	Pass
			16-QAM	RB1#49	6.31	Pass
				RB50#0	6.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 12	1.4 MHz	LCH	QPSK	RB1#0	7.1	Pass
				RB6#0	7.2	Pass
		LCH	16-QAM	RB1#0	7.3	Pass
				RB6#0	7.4	Pass
		HCH	QPSK	RB1#5	7.5	Pass
				RB6#0	7.6	Pass
	HCH	16-QAM	RB1#5	7.7	Pass	
			RB6#0	7.8	Pass	
	3 MHz	LCH	QPSK	RB1#0	7.9	Pass
				RB15#0	7.10	Pass
		LCH	16-QAM	RB1#0	7.11	Pass
				RB15#0	7.12	Pass
		HCH	QPSK	RB1#14	7.13	Pass
				RB15#0	7.14	Pass
	HCH	16-QAM	RB1#14	7.15	Pass	
			RB15#0	7.16	Pass	
	5 MHz	LCH	QPSK	RB1#0	7.17	Pass
				RB25#0	7.18	Pass
		LCH	16-QAM	RB1#0	7.19	Pass
				RB25#0	7.20	Pass
		HCH	QPSK	RB1#24	7.21	Pass
				RB25#0	7.22	Pass
	HCH	16-QAM	RB1#24	7.23	Pass	
			RB25#0	7.24	Pass	
10 MHz	LCH	QPSK	RB1#0	7.25	Pass	
			RB50#0	7.26	Pass	
	LCH	16-QAM	RB1#0	7.27	Pass	
			RB50#0	7.28	Pass	
	HCH	QPSK	RB1#49	7.29	Pass	
			RB50#0	7.30	Pass	
HCH	16-QAM	RB1#49	7.31	Pass		
		RB50#0	7.32	Pass		

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 13	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

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 25	1.4 MHz	LCH	QPSK	RB1#0	9.1	Pass
				RB6#0	9.2	Pass
			16-QAM	RB1#0	9.3	Pass
				RB6#0	9.4	Pass
		HCH	QPSK	RB1#5	9.5	Pass
				RB6#0	9.6	Pass
			16-QAM	RB1#5	9.7	Pass
				RB6#0	9.8	Pass
	3 MHz	LCH	QPSK	RB1#0	9.9	Pass
				RB15#0	9.10	Pass
			16-QAM	RB1#0	9.11	Pass
				RB15#0	9.12	Pass
		HCH	QPSK	RB1#14	9.13	Pass
				RB15#0	9.14	Pass
			16-QAM	RB1#14	9.15	Pass
				RB15#0	9.16	Pass
	5 MHz	LCH	QPSK	RB1#0	9.17	Pass
				RB25#0	9.18	Pass
			16-QAM	RB1#0	9.19	Pass
				RB25#0	9.20	Pass
		HCH	QPSK	RB1#24	9.21	Pass
				RB25#0	9.22	Pass
			16-QAM	RB1#24	9.23	Pass
				RB25#0	9.24	Pass
	10 MHz	LCH	QPSK	RB1#0	9.25	Pass
				RB50#0	9.26	Pass
			16-QAM	RB1#0	9.27	Pass
				RB50#0	9.28	Pass
		HCH	QPSK	RB1#49	9.29	Pass
				RB50#0	9.30	Pass
			16-QAM	RB1#49	9.31	Pass
				RB50#0	9.32	Pass
	15 MHz	LCH	QPSK	RB1#0	9.33	Pass
				RB75#0	9.34	Pass
			16-QAM	RB1#0	9.35	Pass
				RB75#0	9.36	Pass
HCH		QPSK	RB1#74	9.37	Pass	
			RB75#0	9.38	Pass	
		16-QAM	RB1#74	9.39	Pass	
			RB75#0	9.40	Pass	

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
	20 MHz	LCH	QPSK	RB1#0	9.41	Pass
				RB100#0	9.42	Pass
			16-QAM	RB1#0	9.43	Pass
				RB100#0	9.44	Pass
		HCH	QPSK	RB1#99	9.45	Pass
				RB100#0	9.46	Pass
			16-QAM	RB1#99	9.47	Pass
				RB100#0	9.48	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 26 (Part22)	1.4 MHz	LCH	QPSK	RB1#0	10.1	Pass
				RB6#0	10.2	Pass
			16-QAM	RB1#0	10.3	Pass
				RB6#0	10.4	Pass
		HCH	QPSK	RB1#5	10.5	Pass
				RB6#0	10.6	Pass
			16-QAM	RB1#5	10.7	Pass
				RB6#0	10.8	Pass
	3 MHz	LCH	QPSK	RB1#0	10.9	Pass
				RB15#0	10.10	Pass
			16-QAM	RB1#0	10.11	Pass
				RB15#0	10.12	Pass
		HCH	QPSK	RB1#14	10.13	Pass
				RB15#0	10.14	Pass
			16-QAM	RB1#14	10.15	Pass
				RB15#0	10.16	Pass
	5 MHz	LCH	QPSK	RB1#0	10.17	Pass
				RB25#0	10.18	Pass
			16-QAM	RB1#0	10.19	Pass
				RB25#0	10.20	Pass
		HCH	QPSK	RB1#24	10.21	Pass
				RB25#0	10.22	Pass
			16-QAM	RB1#24	10.23	Pass
				RB25#0	10.24	Pass
	10 MHz	LCH	QPSK	RB1#0	10.25	Pass
				RB50#0	10.26	Pass
			16-QAM	RB1#0	10.27	Pass
				RB50#0	10.28	Pass
		HCH	QPSK	RB1#49	10.29	Pass
				RB50#0	10.30	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
			16-QAM	RB1#49	10.31	Pass
				RB50#0	10.32	Pass
	15 MHz	LCH	QPSK	RB1#0	10.33	Pass
				RB75#0	10.34	Pass
			16-QAM	RB1#0	10.35	Pass
				RB75#0	10.36	Pass
		HCH	QPSK	RB1#74	10.37	Pass
				RB75#0	10.38	Pass
			16-QAM	RB1#74	10.39	Pass
				RB75#0	10.40	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 26 (Part90)	1.4 MHz	LCH	QPSK	RB1#0	11.1	Pass
				RB6#0	11.2	Pass
			16-QAM	RB1#0	11.3	Pass
				RB6#0	11.4	Pass
		HCH	QPSK	RB1#5	11.5	Pass
				RB6#0	11.6	Pass
			16-QAM	RB1#5	11.7	Pass
				RB6#0	11.8	Pass
	3 MHz	LCH	QPSK	RB1#0	11.9	Pass
				RB15#0	11.10	Pass
			16-QAM	RB1#0	11.11	Pass
				RB15#0	11.12	Pass
		HCH	QPSK	RB1#14	11.13	Pass
				RB15#0	11.14	Pass
			16-QAM	RB1#14	11.15	Pass
				RB15#0	11.16	Pass
	5 MHz	LCH	QPSK	RB1#0	11.17	Pass
				RB25#0	11.18	Pass
			16-QAM	RB1#0	11.19	Pass
				RB25#0	11.20	Pass
		HCH	QPSK	RB1#24	11.21	Pass
				RB25#0	11.22	Pass
			16-QAM	RB1#24	11.23	Pass
				RB25#0	11.24	Pass
	10 MHz	MCH	QPSK	RB1#0	11.25	Pass
				RB50#0	11.26	Pass
			16-QAM	RB1#0	11.27	Pass
				RB50#0	11.28	Pass
		MCH	QPSK	RB1#49	11.29	Pass
				RB50#0	11.30	Pass
			16-QAM	RB1#49	11.31	Pass
				RB50#0	11.32	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-SZ23B0761-501 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	1.1	Pass
	MCH		Pass
	HCH		Pass
WCDMA Band 4	LCH	1.2	Pass
	MCH		Pass
	HCH		Pass
WCDMA Band 5	LCH	1.3	Pass
	MCH		Pass
	HCH		Pass

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Refer to Plot ^{Note3}	Verdict
Band 2	10 MHz	HCH	4.1	Pass
Band 4	20 MHz	MCH	4.2	Pass
Band 5	1.4 MHz	LCH	4.3	Pass
Band 12	10 MHz	MCH	4.4	Pass
LTE B13	10 MHz	MCH	4.5	Pass
LTE B25	10 MHz	MCH	4.6	Pass
Band 26 (Part22)	10 MHz	MCH	4.7	Pass
Band 26 (Part90)	10 MHz	MCH	4.8	Pass

ANNEX B TEST SETUP PHOTOS

Please refer to the document “BL-SZ23B0761-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer to the document “BL-SZ23B0761-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer to the document “BL-SZ23B0761-AI.PDF”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
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4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
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7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--