TEST REPORT

Applicant:	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address:	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China
Equipment Type:	Mobile Phone
Model Name:	CPH2523
Brand Name:	OPPO
FCC ID:	R9C-CPH2523
Test Standard:	47 CFR Part 2 (Others refer section 3.1)
Sample Arrival Date:	Nov. 21, 2022
Test Date:	Nov. 23, 2022 - Nov. 29, 2022
Date of Issue:	Dec. 19, 2022

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Zhong Weiqiang **Checked by:** Wu Huihui **Approved by:** Wei Yanquan (Chief Engineer)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Dec. 19, 2022	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Testing Location

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.2 Manufacturer Information

Manufacturer	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.3 Factory Information

Factory	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2523
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS V13.1.0
Dimensions (Approx.)	N/A
Weight (Approx.)	183g
EUT ID	S10
IMEI Number	SIM1: 864527060052617; SIM2:864527060052609

2.5 Technical Information

Note: The information provided by the applicant, except for The Max RF Output Power (EIRP/ERP).

All Network and Wireless connectivity for EUT	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 4/5 4G Network LTE FDD Band 4/5/12/17/26 LTE TDD Band 38/41 LTE CA Uplink (UL): CA_41C Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80) U-NII-1/2A/2C, GPS, GLONASS, BDS, Galileo, FM receiver, NFC
About the Product	The equipment is a mobile phone, intended for used with information technology equipment.
Note 1: The EUT is a mobile phone, supporting dual SIM card slots and ESIM card slot under the same transceiver. Both SIM card slots support GSM, WCDMA and LTE. And both SIM card slots share the same transceiver, so only SIM1 is tested in this report.	

The requirement for the following technical information of the EUT was tested in this report:

Operating Bands	GSM/GPRS/EGPRS 850/1900 MHz WCDMA/HSDPA/HSUPA Band 4/5 FDD LTE Band 4/5/12/17/26 TDD LTE Band 38/41 CA_41C	
Modulation Type	GSM/GPRS	GMSK
	EGPRS	8PSK
	WCDMA	QPSK
	HSDPA /HSUPA	QPSK
		16QAM
	LTE	QPSK
		16QAM
TX Frequency Range	GSM/GPRS/EGPRS 850: 824 MHz ~ 849 MHz GSM/GPRS/EGPRS 1900: 1850 MHz ~ 1910 MHz WCDMA/HSDPA/HSUPA Band 4: 1710 MHz ~ 1755 MHz WCDMA/HSDPA/HSUPA Band 5: 824 MHz ~ 849 MHz FDD LTE Band 4: 1710 MHz ~ 1755 MHz FDD LTE Band 5: 824 MHz ~ 849 MHz FDD LTE Band 12: 699 MHz ~ 716 MHz FDD LTE Band 17: 704 MHz ~ 716 MHz FDD LTE Band 26: 814 MHz ~ 849 MHz TDD LTE Band 38: 2570 MHz ~ 2620 MHz TDD LTE Band 41: 2496 MHz ~ 2690 MHz	

Rx Frequency Range	GSM/GPRS/EGPRS 850: 869 MHz ~ 894 MHz GSM/GPRS/EGPRS 1900: 1930 MHz ~ 1990 MHz WCDMA/HSDPA/HSUPA Band 4: 2110 MHz ~ 2155 MHz WCDMA/HSDPA/HSUPA Band 5: 869 MHz ~ 894 MHz FDD LTE Band 4: 2110 MHz ~ 2155 MHz FDD LTE Band 5: 869 MHz ~ 894 MHz FDD LTE Band 12: 729 MHz ~ 746 MHz FDD LTE Band 17: 734 MHz ~ 746 MHz FDD LTE Band 26: 859 MHz ~ 894 MHz TDD LTE Band 38: 2570 MHz ~ 2620 MHz TDD LTE Band 41: 2496 MHz ~ 2690 MHz
Power Class	GSM/GPRS 850: 4 GSM/GPRS 1900: 1 EGPRS 850/1900: E2 WCDMA/HSDPA/HSUPA Band 4: 3 WCDMA/HSDPA/HSUPA Band 5: 3 FDD LTE Band 4: 3 FDD LTE Band 5: 3 FDD LTE Band 12: 3 FDD LTE Band 17: 3 FDD LTE Band 26: 3 TDD LTE Band 38: 3 TDD LTE Band 41: 2
Multislot Class	GPRS/EGPRS: 33
Antenna Type	PIFA Antenna
Antenna Gain	GSM/GPRS/EGPRS 850: -3.7 dBi(Top Side), -4.3 dBi(Bottom Side) GSM/GPRS/EGPRS 1900: -3.5 dBi(Top Side), -4.5 dBi(Bottom Side) WCDMA/HSDPA/HSUPA Band4: -3.5 dBi(Top Side), -4 dBi(Bottom Side) WCDMA/HSDPA/HSUPA Band 5: -3.7 dBi(Top Side), -4.3 dBi(Bottom Side) FDD LTE Band 4: -3.5 dBi(Top Side), -4.4 dBi(Bottom Side) FDD LTE Band 5: -3.7 dBi(Top Side), -4.3 dBi(Bottom Side) FDD LTE Band 12: -4 dBi(Top Side), -4.6 dBi(Bottom Side) FDD LTE Band 17: -4 dBi(Top Side), -4.6 dBi(Bottom Side) FDD LTE Band 26: -3.7 dBi(Top Side), -4.3 dBi(Bottom Side) TDD LTE Band 38: -3.7 dBi(Top Side), -4.6 dBi(Bottom Side) TDD LTE Band 41: -3.7 dBi(Top Side), -4.6 dBi(Bottom Side)
The Max RF Output Power (EIRP/ERP)	GSM/GPRS/EGPRS 850: 27.02 dBm GSM/GPRS/EGPRS 1900: 26.48 dBm WCDMA/HSDPA/HSUPA Band 4: 20.24 dBm WCDMA/HSDPA/HSUPA Band 5: 18.17 dBm FDD LTE Band 4: 20.09 dBm

	FDD LTE Band 5: 18.14 dBm FDD LTE Band 12: 16.85 dBm FDD LTE Band 17: 16.81 dBm FDD LTE Band 26 (part22): 18.23 dBm FDD LTE Band 26 (part90): 18.33 dBm TDD LTE Band 38: 19.19 dBm TDD LTE Band 41: 21.87 dBm CA_41C: 20.31 dBm

Note 1: The EUT information are declared by manufacturer. For more detailed features description, please refer to the manufacturer's specifications or user's manual.

Note 2: There are two main antennas and two diversity antennas for WWAN. Two diversity antennas only support receiving signal. Two main antennas have only one RF port, supporting transceiving, and can switch. But main antennas can't transmit simultaneously. Details please refer to internal photos.

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/TIA-603-E-2016	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards
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) 90.542(a)	ANNEX A.1	Pass
3	Peak to Average Radio	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 90.543	ANNEX A.5	Pass
7	Band Edge	2.1051 22.917 24.238 27.53 90.691 90.543	ANNEX A.6	Pass
8	Field Strength of Spurious Radiation	2.1053 22.917 24.238 27.53 90.691 90.543	ANNEX A.7	Pass
Note: Compared with the EUT of test report BL-SZ2210473-501, the EUT of this report replace				

No.	Test Description	FCC Part No.	Test Result	Test Verdict
the: 1. Different Model Name. 2. The material of battery cover has been changed from plastic to glass. 3. Color os changed from 12.0 to 13.1, Android version changed from Android R to Android T. 4. Hardware: The PCB remains unchanged, storage upgraded from 6G+128G to 8G+128G, and the audio IC is changed from WCD-9370-0-WLPSP55-SR-00-1 to WLPSPWCD-9370-0-WLPSP55-TR-01-4 WLPSP. 5. The power supply of image changes from FAN53870 to VWL2868C. Therefore, only the Field Strength of Spurious Radiation was tested in this report, others test data please refer to report BL-SZ2210473-501, which was issued by Shenzhen BALUN Technology Co., Ltd. on Mar. 07, 2022.				

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Test Voltage of the EUT	NV (Normal Voltage)	3.87 V
	LV (Low Voltage)	3.6 V
	HV (High Voltage)	4.45 V
Test Temperature of the EUT	NT (Normal Temperature)	+25 °C
	LT (Low Temperature)	-30 °C
	HT (High Temperature)	+50 °C

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Software /Firmware Version	Cal. Date	Cal. Due
Radiated Test System						
Radiated Test System Test Software	BALUN	BL410-E	N/A	V19.918	N/A	N/A
Wideband Radio Communication Tester	R&S	CMW 500	167190	V4.0.60	2022.05.19	2023.05.18
Wideband Radio Communication Tester	R&S	CMW 500	102318	V3.2.71	2022.05.19	2023.05.18
Spectrum Analyzer	R&S	FSV40	101544	2.30.SP4	2022.01.04	2023.01.03
Test Antenna-Bi-Log(30 MHz-3 GHz)	Schwarzbeck	VULB 9163	9163-624	N/A	2021.08.20	2024.08.19
Test Antenna-Horn(1-18 GHz)	Schwarzbeck	BBHA 9120D	9120D-1917	N/A	2022.06.09	2025.06.08
Test Antenna-Horn(18-40 GHz)	A-INFO	LB-180400KF	J211060273	N/A	2021.01.04	2023.01.03
Anechoic Chamber	YIHENG	9m*6m*6m	#3	N/A	2022.02.09	2024.09.03
EMI Receiver	Keysight	N9038A	MY53220118	A.14.16	2022.09.08	2023.09.07

4.3 Test Configurations

Test Items	Test Mode	Test Channel		
		LCH	MCH	HCH
Effective (Isotropic) Radiated Power	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v
	EGPRS 850	v	v	v
	EGPRS 1900	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
	HSDPA Band 4	v	v	v
	HSDPA Band 5	v	v	v
	HSUPA Band 4	v	v	v
	HSUPA Band 5	v	v	v
Occupied Bandwidth	GSM 850	v	v	v
	GSM 1900	v	v	v
	EGPRS 850	v	v	v
	EGPRS 1900	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Frequency Stability	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v
	EGPRS 850	v	v	v
	EGPRS 1900	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Spurious Emission at Antenna Terminals	GSM 850	v	v	v
	GSM 1900	v	v	v
	EGPRS 850	v	v	v
	EGPRS 1900	v	v	v
	WCDMA Band 4	v	v	v
	WCDMA Band 5	v	v	v
Band Edge	GSM 850	v	--	v
	GSM 1900	v	--	v
	EGPRS 850	v	--	v
	EGPRS 1900	v	--	v
	WCDMA Band 4	v	--	v
	WCDMA Band 5	v	--	v
	GSM 850	v	v	v

Test Items	Test Mode	Test Channel		
		LCH	MCH	HCH
Field Strength of Spurious Radiation	GSM 1900	v	v	v
	EGPRS 850	v	v	v
	EGPRS 1900	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)
GSM/GPRS/EGPRS 850	Low Channel	128	824.2
	Middle Channel	190	836.6
	High Channel	251	848.8
GSM/GPRS/EGPRS 1900	Low Channel	512	1850.2
	Middle Channel	661	1880.0
	High Channel	810	1909.8
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														
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
17	n	n	v	v	n	n	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
38	n	n	v	v	v	v	v	v	v	v	v	v	v	v
41	n	n	v	v	v	v	v	v	v	v	v	v	v	v
Peak to Average Ratio														
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
17	n	n	--	v	n	n	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	--
38	n	n	--	--	--	v	v	v	v	--	v	v	v	v
41	n	n	--	--	--	v	v	v	v	--	v	v	v	v
Occupied Bandwidth														
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
17	n	n	v	v	n	n	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
38	n	n	v	v	v	v	v	v	--	--	v	v	v	v
41	n	n	v	v	v	v	v	v	--	--	v	v	v	v
Frequency Stability														
4	--	--	--	v	--	--	v	v	--	--	v	--	v	--
5	--	--	--	v	n	n	v	v	--	--	v	--	v	--
12	--	--	--	v	n	n	v	v	--	--	v	--	v	--
17	n	n	--	v	n	n	v	v	--	--	v	--	v	--
26(Part22)	--	--	--	v	--	n	v	v	--	--	v	--	v	--
26(Part90)	--	--	--	v	--	n	v	v	--	--	v	--	v	--
38	n	n	--	v	--	--	v	v	--	--	v	--	v	--
41	n	n	--	v	--	--	v	v	--	--	v	--	v	--
Spurious Emission at Antenna Terminals														
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
17	n	n	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
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
38	n	n	v	v	v	v	v	v	v	--	--	v	v	v
41	n	n	v	v	v	v	v	v	v	--	--	v	v	v
Band Edge														
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
17	n	n	v	v	n	n	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
38	n	n	v	v	v	v	v	v	v	--	v	v	--	v
41	n	n	v	v	v	v	v	v	v	--	v	v	--	v
Field Strength of Spurious Radiation														
4	v	v	v	v	v	v	v	--	v	--	--	--	v	--
5	v	v	v	v	n	n	v	--	v	--	--	--	v	--
12	v	v	v	v	n	n	v	--	v	--	--	--	v	--
17	n	n	v	v	n	n	v	--	v	--	--	--	v	--
26(Part22)	v	v	v	v	v	n	v	--	v	--	--	--	v	--
26(Part90)	v	v	v	v	--	n	v	--	v	--	--	--	v	--
38	n	n	v	v	v	v	v	--	v	--	--	--	v	--
41	n	n	v	v	v	v	v	--	v	--	--	--	v	--

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

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

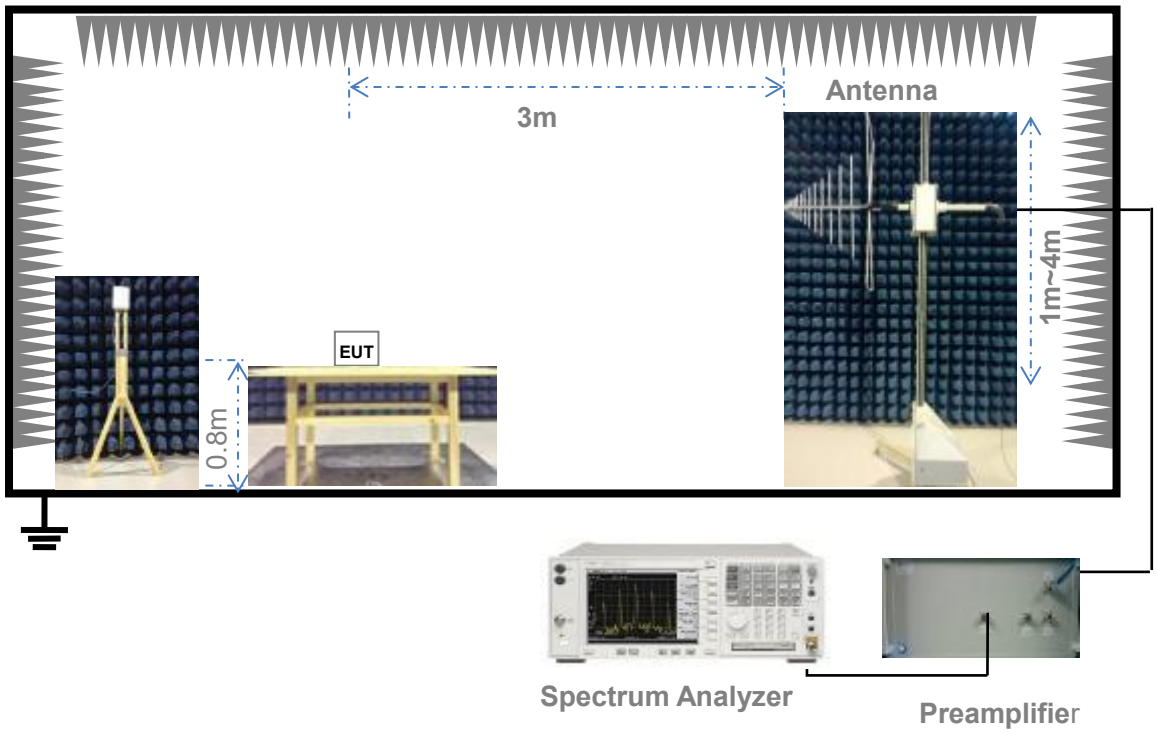
Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
LTE Band 4	Low Range	1.4	19957	1710.7
		3	19965	1711.5
		5	19975	1712.5
		10	20000	1715
		15	20025	1717.5
		20	20050	1720
	Middle Range	1.4/3/5/10/15/20	20175	1732.5
	High Range	1.4	20393	1754.3
		3	20385	1753.5
		5	20375	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	699.7
		3	23025	700.5
		5	23035	701.5
		10	23060	704
	Middle Range	1.4/3/5/10	23095	707.5
	High Range	1.4	23173	715.3
		3	23165	714.5
		5	23155	713.5
		10	23130	711
LTE Band 17	Low Range	5	23755	706.5
		10	23780	709
	Middle Range	5/10	23790	710
	High Range	5	23825	713.5
		10	23800	711
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

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
	High Range	1.4	26783	823.3
		3	26775	822.5
		5	26765	821.5
		10	---	---
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 38	Low Range	5	37775	2572.5
		10	37800	2575
		15	37825	2577.5
		20	37850	2580
	Middle Range	5/10/15/20	38000	2595
	High Range	5	38225	2617.5
		10	38200	2615
		15	38175	2612.5
		20	38150	2610
LTE Band 41	Low Range	5	39675	2498.5
		10	39700	2501
		15	39725	2503.5
		20	39750	2506
	Middle Range	5/10/15/20	40620	2593
	High Range	5	41565	2687.5
		10	41540	2685
		15	41515	2682.5
		20	41490	2680

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

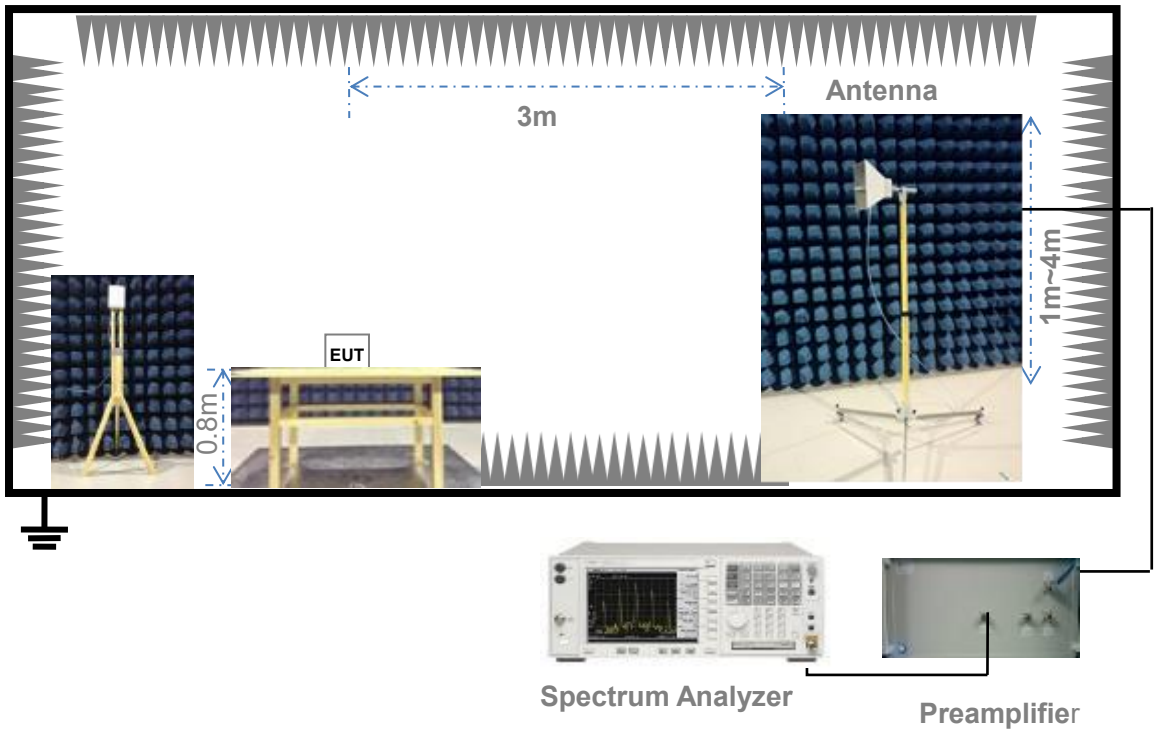
4.4 Test Setup

4.4.1 For Radiated Test (30 MHz ~ 1 GHz)



(Diagram 1)

4.4.2 For Radiated Test (Above 1 GHz)



(Diagram 2)

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) & 90.635(b) & 90.542(a)

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.

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.

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

According to FCC section 90.542(a) (7), portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

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:

Conducted Output Power Value (dBm) = Measured Value (dBm) + 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:

Conducted Output Power Value (dBm) = 24.7 dBm + 8.5 dB = 33.2 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:

ERP/EIRP = P_{Meas} + GT − 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:
EIRP for GSM1900 = 30.2 dBm - 3.4 dBi - 0.6 dB = 26.2 dBm

The relevant equation for determining the ERP/EIRP from the radiated RF output power is:
ERP/EIRP (dBm) = SA Read Value (dBm) + 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:

ERP (dBm) = 21dBm + 8dB = 29dBm

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)

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), 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 ≥ signal’s occupied bandwidth;

c) Set the number of counts to a value that stabilizes the measured CCDF curve;

d) Set the measurement interval as follows:

1) for continuous transmissions, set to 1 ms,

2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing

sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.

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

Alternate procedure for PAPR:

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

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

5.2.4 Test Result

Please refer to ANNEX A.2.

5.3 Occupied Bandwidth

5.3.1 Limit

FCC § 2.1049

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

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

The following procedure shall be used for measuring power bandwidth.

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the anticipated OBW).

b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.

c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.

d) NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.

e) For -26 dB OBW, the dynamic range of the spectrum analyzer at the selected RBW shall be at least 10dB below the target “-X dB down” requirement, e.g. -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be 36dB below the reference value.

f) Set the detection mode to peak, and the trace mode to max hold.

g) For 99% OBW, use the 99 % power bandwidth function of the spectrum analyzer (if available) and report the measured bandwidth.

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

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

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

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

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

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

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

5.3.4 Test Result

Please refer to ANNEX A.3.

5.4 Frequency Stability

5.4.1 Limit

FCC § 2.1055 & 22.355 & 24.235 & 27.54 & 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 ±2.5ppm 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(m) & 90.691 & 90.543

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(m) (4)

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

- 40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the

channel edge.

• 43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,

• 55+10logP 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 § 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 + 10Log_{10}(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

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

FCC § 90.543

(e) For operations in the 758–768 MHz and the 788–798 MHz bands, 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 all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) 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.

(f) For operations in the 758–775 MHz and 788–805 MHz bands, all emissions including harmonics in the band 1559– 1610 MHz shall be limited to -70 dBW/ MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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. CMW500 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(m) & 90.691& 90.543

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(m) (4)

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

- 40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- 43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,
- 55+10logP 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 § 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 + $10Log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

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

FCC § 90.543

(e) For operations in the 758–768 MHz and the 788–798 MHz bands, 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 all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) 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.

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 50Ohm; the path loss as the factor is calibrated to correct the reading.

2. CMW500 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.

Sweep point number = 2*Span/RBW

VBW=3RBW

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 kHz / 6.25 kHz) = 2.04 dB
Limit Line = -35 dBm + 2.04 dB = -32.96dBm

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(m) & 90.691& 90.543

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(m) (4)

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

- 40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.

- 43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,

- 55+10logP 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 § 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 + $10Log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

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

FCC § 90.543

(e) For operations in the 758–768 MHz and the 788–798 MHz bands, 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 all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) 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.

(f) For operations in the 758–775 MHz and 788–805 MHz bands, all emissions including harmonics in the band 1559– 1610 MHz shall be limited to -70 dBW/ MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

5.7.2 Test Setup

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

5.7.3 Test Procedure

1. On a test site, the EUT shall be placed at 80cm height on a turn table, and in the position close to normal use as declared by the applicant.

2. The test antenna shall be oriented initially for vertical polarization located 3 m from EUT to correspond to

the fundamental frequency of the transmitter.

3. The output of the test antenna shall be connected to the measuring receiver and the peak detector is used

for the measurement.

4. During the measurement of the EUT, the resolution bandwidth was to 1 MHz and the average bandwidth

was set to 1 MHz.

5. The transmitter shall be switched on; the measuring receiver shall be tuned to the frequency of the

transmitter under test.

6. The test antenna shall be raised and lowered through the specified range of height until the maximum

signal level is detected by the measuring receiver.

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

detected by the measuring receiver.

8. The test antenna shall be raised and lowered again through the specified range of height until the

maximum signal level is detected by the measuring receiver.

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

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

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

the sensitivity of the measuring receiver.

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

maximum signal is received.

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

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

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

Final measurement calculation as below:

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

ERP/EIRP (dBm) = SA Read Value (dBm) + 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:

ERP (dBm) = 21dBm + 8dB = 29dBm

5.7.4 Test Result

Please refer to ANNEX A.7.

ANNEX A TEST RESULTS

A.1 Transmitter Radiated Power (EIRP/ERP)

GSM Mode Test Data

Test Band	Test Channel	Conducted Output Peak Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
GSM 850	LCH	32.40	-3.7	-5.85	26.55	0.452	7.00	Pass
	MCH	32.25	-3.7	-5.85	26.40	0.437	7.00	Pass
	HCH	32.74	-3.7	-5.85	26.89	0.489	7.00	Pass
GPRS 850	LCH	32.39	-3.7	-5.85	26.54	0.451	7.00	Pass
	MCH	32.87	-3.7	-5.85	27.02	0.504	7.00	Pass
	HCH	32.68	-3.7	-5.85	26.83	0.482	7.00	Pass
EGPRS 850	LCH	29.57	-3.7	-5.85	23.72	0.236	7.00	Pass
	MCH	29.45	-3.7	-5.85	23.60	0.229	7.00	Pass
	HCH	29.58	-3.7	-5.85	23.73	0.236	7.00	Pass

Test Band	Test Channel	Conducted Output Peak Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
GSM 1900	LCH	29.62	-3.5	26.12	0.409	2.00	Pass
	MCH	29.60	-3.5	26.10	0.407	2.00	Pass
	HCH	29.66	-3.5	26.16	0.413	2.00	Pass
GPRS 1900	LCH	29.98	-3.5	26.48	0.445	2.00	Pass
	MCH	29.74	-3.5	26.24	0.421	2.00	Pass
	HCH	29.76	-3.5	26.26	0.423	2.00	Pass
EGPRS 1900	LCH	29.16	-3.5	25.66	0.368	2.00	Pass
	MCH	28.96	-3.5	25.46	0.352	2.00	Pass
	HCH	28.83	-3.5	25.33	0.341	2.00	Pass

Note 1: For the GPRS and EGPRS mode, all slots 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.

Note 3: Set PCL to 5 for GSM/GPRS 850 (power class 4) and 0 for GSM/GPRS 1900 (power class 1). Set PCL to 8 for EGPRS850 (power class E2) and 2 for EGPRS1900 (power class E2).

GPRS Conducted Output Power

Band	Channel	Conducted Output Peak Power							
		1 Slot (dBm)	1 Slot (W)	2 Slots (dBm)	2 Slots (W)	3 Slots (dBm)	3 Slots (W)	4 Slots (dBm)	4 Slots (W)
GPRS 850	LCH	32.39	1.734	29.50	0.892	27.83	0.607	27.31	0.538
	MCH	32.87	1.936	30.23	1.055	27.64	0.581	27.09	0.511
	HCH	32.68	1.854	30.03	1.007	28.20	0.661	26.96	0.496
GPRS 1900	LCH	29.98	0.995	26.80	0.479	24.64	0.291	27.38	0.547
	MCH	29.74	0.942	26.69	0.467	24.87	0.307	23.41	0.219
	HCH	29.76	0.946	26.61	0.458	24.65	0.292	23.39	0.218

EGPRS Conducted Output Power

Band	Channel	Conducted Output Peak Power							
		1 Slot (dBm)	1 Slot (W)	2 Slots (dBm)	2 Slots (W)	3 Slots (dBm)	3 Slots (W)	4 Slots (dBm)	4 Slots (W)
EGPRS 850	LCH	29.57	0.906	27.62	0.578	25.82	0.382	24.72	0.296
	MCH	29.45	0.881	27.92	0.620	25.88	0.387	25.03	0.319
	HCH	29.58	0.908	27.91	0.619	26.09	0.407	25.06	0.321
EGPRS 1900	LCH	29.16	0.824	26.24	0.421	24.54	0.285	23.81	0.240
	MCH	28.96	0.787	26.10	0.407	24.31	0.270	23.52	0.225
	HCH	28.83	0.764	25.94	0.393	24.26	0.267	23.49	0.223

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 4	LCH	23.69	-3.5	20.19	0.104	1.00	Pass
	MCH	23.71	-3.5	20.21	0.105	1.00	Pass
	HCH	23.74	-3.5	20.24	0.106	1.00	Pass
HSDPA Band 4	LCH	22.71	-3.5	19.21	0.083	1.00	Pass
	MCH	22.76	-3.5	19.26	0.084	1.00	Pass
	HCH	22.75	-3.5	19.25	0.084	1.00	Pass
HSUPA Band 4	LCH	22.77	-3.5	19.27	0.085	1.00	Pass
	MCH	22.75	-3.5	19.25	0.084	1.00	Pass
	HCH	22.73	-3.5	19.23	0.084	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	23.98	-3.7	-5.85	18.13	0.065	7.00	Pass
	MCH	24.02	-3.7	-5.85	18.17	0.066	7.00	Pass
	HCH	24.02	-3.7	-5.85	18.17	0.066	7.00	Pass
HSDPA Band 5	LCH	23.02	-3.7	-5.85	17.17	0.052	7.00	Pass
	MCH	23.05	-3.7	-5.85	17.20	0.052	7.00	Pass
	HCH	23.02	-3.7	-5.85	17.17	0.052	7.00	Pass
HSUPA Band 5	LCH	23.01	-3.7	-5.85	17.16	0.052	7.00	Pass
	MCH	23.06	-3.7	-5.85	17.21	0.053	7.00	Pass
	HCH	23.04	-3.7	-5.85	17.19	0.052	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 4	LCH	22.69	0.186	22.71	0.187	22.18	0.165	22.19	0.166
	MCH	22.72	0.187	22.76	0.189	22.20	0.166	22.22	0.167
	HCH	22.75	0.188	22.74	0.188	22.23	0.167	22.27	0.169
HSDPA Band 5	LCH	23.01	0.200	23.02	0.200	22.51	0.178	22.49	0.177
	MCH	23.01	0.200	23.05	0.202	22.53	0.179	22.49	0.177
	HCH	23.02	0.200	23.01	0.200	22.54	0.179	22.50	0.178

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 4	LCH	22.77	0.189	20.69	0.117	21.68	0.147	20.68	0.117	22.67	0.185
	MCH	22.72	0.187	20.78	0.120	21.69	0.148	20.72	0.118	22.75	0.188
	HCH	22.73	0.187	20.75	0.119	21.76	0.150	20.75	0.119	22.72	0.187
HSUPA Band 5	LCH	22.99	0.199	21.02	0.126	22.03	0.160	21.03	0.127	23.01	0.200
	MCH	23.03	0.201	21.03	0.127	22.05	0.160	21.00	0.126	23.06	0.202
	HCH	22.99	0.199	21.05	0.127	21.99	0.158	20.96	0.125	23.04	0.201

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 BAND4									
1.4 MHz	LCH	QPSK	RB1#0	23.31	-3.5	19.81	0.096	2.00	Pass
			RB1#3	23.39	-3.5	19.89	0.097	2.00	Pass
			RB1#5	23.29	-3.5	19.79	0.095	2.00	Pass
			RB3#0	23.33	-3.5	19.83	0.096	2.00	Pass
			RB3#2	23.3	-3.5	19.80	0.095	2.00	Pass
			RB3#3	23.34	-3.5	19.84	0.096	2.00	Pass
			RB6#0	22.42	-3.5	18.92	0.078	2.00	Pass
		16-QAM	RB1#0	22.56	-3.5	19.06	0.081	2.00	Pass
			RB1#3	22.61	-3.5	19.11	0.081	2.00	Pass
			RB1#5	22.54	-3.5	19.04	0.080	2.00	Pass
			RB3#0	22.45	-3.5	18.95	0.079	2.00	Pass
			RB3#2	22.55	-3.5	19.05	0.080	2.00	Pass
			RB3#3	22.45	-3.5	18.95	0.079	2.00	Pass
			RB6#0	21.59	-3.5	18.09	0.064	2.00	Pass
	MCH	QPSK	RB1#0	23.33	-3.5	19.83	0.096	2.00	Pass
			RB1#3	23.41	-3.5	19.91	0.098	2.00	Pass
			RB1#5	23.38	-3.5	19.88	0.097	2.00	Pass
			RB3#0	23.38	-3.5	19.88	0.097	2.00	Pass
			RB3#2	23.46	-3.5	19.96	0.099	2.00	Pass
			RB3#3	23.36	-3.5	19.86	0.097	2.00	Pass
			RB6#0	22.4	-3.5	18.90	0.078	2.00	Pass
		16-QAM	RB1#0	22.94	-3.5	19.44	0.088	2.00	Pass
			RB1#3	22.76	-3.5	19.26	0.084	2.00	Pass
			RB1#5	22.76	-3.5	19.26	0.084	2.00	Pass
			RB3#0	22.64	-3.5	19.14	0.082	2.00	Pass
			RB3#2	22.63	-3.5	19.13	0.082	2.00	Pass
			RB3#3	22.65	-3.5	19.15	0.082	2.00	Pass
			RB6#0	21.39	-3.5	17.89	0.062	2.00	Pass
	HCH	QPSK	RB1#0	23.41	-3.5	19.91	0.098	2.00	Pass
			RB1#3	23.49	-3.5	19.99	0.100	2.00	Pass
			RB1#5	23.43	-3.5	19.93	0.098	2.00	Pass
			RB3#0	23.41	-3.5	19.91	0.098	2.00	Pass
			RB3#2	23.48	-3.5	19.98	0.100	2.00	Pass
			RB3#3	23.42	-3.5	19.92	0.098	2.00	Pass
			RB6#0	22.46	-3.5	18.96	0.079	2.00	Pass
		16-QAM	RB1#0	22.47	-3.5	18.97	0.079	2.00	Pass
			RB1#3	22.61	-3.5	19.11	0.081	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									
			RB1#5	22.49	-3.5	18.99	0.079	2.00	Pass
			RB3#0	22.67	-3.5	19.17	0.083	2.00	Pass
			RB3#2	22.7	-3.5	19.20	0.083	2.00	Pass
			RB3#3	22.67	-3.5	19.17	0.083	2.00	Pass
			RB6#0	21.64	-3.5	18.14	0.065	2.00	Pass
3 MHz	LCH	QPSK	RB1#0	23.43	-3.5	19.93	0.098	2.00	Pass
			RB1#7	23.46	-3.5	19.96	0.099	2.00	Pass
			RB1#14	23.35	-3.5	19.85	0.097	2.00	Pass
			RB8#0	22.53	-3.5	19.03	0.080	2.00	Pass
			RB8#4	22.51	-3.5	19.01	0.080	2.00	Pass
			RB8#7	22.48	-3.5	18.98	0.079	2.00	Pass
			RB15#0	22.5	-3.5	19.00	0.079	2.00	Pass
		16-QAM	RB1#0	22.34	-3.5	18.84	0.077	2.00	Pass
			RB1#7	22.43	-3.5	18.93	0.078	2.00	Pass
			RB1#14	22.25	-3.5	18.75	0.075	2.00	Pass
			RB8#0	21.61	-3.5	18.11	0.065	2.00	Pass
			RB8#4	21.63	-3.5	18.13	0.065	2.00	Pass
			RB8#7	21.59	-3.5	18.09	0.064	2.00	Pass
			RB15#0	21.52	-3.5	18.02	0.063	2.00	Pass
	MCH	QPSK	RB1#0	23.45	-3.5	19.95	0.099	2.00	Pass
			RB1#7	23.52	-3.5	20.02	0.100	2.00	Pass
			RB1#14	23.47	-3.5	19.97	0.099	2.00	Pass
			RB8#0	22.46	-3.5	18.96	0.079	2.00	Pass
			RB8#4	22.55	-3.5	19.05	0.080	2.00	Pass
			RB8#7	22.55	-3.5	19.05	0.080	2.00	Pass
			RB15#0	22.49	-3.5	18.99	0.079	2.00	Pass
		16-QAM	RB1#0	22.84	-3.5	19.34	0.086	2.00	Pass
			RB1#7	23	-3.5	19.50	0.089	2.00	Pass
			RB1#14	22.88	-3.5	19.38	0.087	2.00	Pass
			RB8#0	21.5	-3.5	18.00	0.063	2.00	Pass
			RB8#4	21.64	-3.5	18.14	0.065	2.00	Pass
			RB8#7	21.6	-3.5	18.10	0.065	2.00	Pass
			RB15#0	21.48	-3.5	17.98	0.063	2.00	Pass
	HCH	QPSK	RB1#0	23.51	-3.5	20.01	0.100	2.00	Pass
			RB1#7	23.5	-3.5	20.00	0.100	2.00	Pass
			RB1#14	23.49	-3.5	19.99	0.100	2.00	Pass
			RB8#0	22.57	-3.5	19.07	0.081	2.00	Pass
			RB8#4	22.63	-3.5	19.13	0.082	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									
			RB8#7	22.53	-3.5	19.03	0.080	2.00	Pass
			RB15#0	22.54	-3.5	19.04	0.080	2.00	Pass
		16-QAM	RB1#0	22.68	-3.5	19.18	0.083	2.00	Pass
			RB1#7	22.65	-3.5	19.15	0.082	2.00	Pass
			RB1#14	22.59	-3.5	19.09	0.081	2.00	Pass
			RB8#0	21.52	-3.5	18.02	0.063	2.00	Pass
			RB8#4	21.64	-3.5	18.14	0.065	2.00	Pass
			RB8#7	21.61	-3.5	18.11	0.065	2.00	Pass
			RB15#0	21.58	-3.5	18.08	0.064	2.00	Pass
5 MHz	LCH	QPSK	RB1#0	23.41	-3.5	19.91	0.098	2.00	Pass
			RB1#13	23.43	-3.5	19.93	0.098	2.00	Pass
			RB1#24	23.35	-3.5	19.85	0.097	2.00	Pass
			RB12#0	22.45	-3.5	18.95	0.079	2.00	Pass
			RB12#6	22.49	-3.5	18.99	0.079	2.00	Pass
			RB12#13	22.42	-3.5	18.92	0.078	2.00	Pass
			RB25#0	22.47	-3.5	18.97	0.079	2.00	Pass
		16-QAM	RB1#0	22.6	-3.5	19.10	0.081	2.00	Pass
			RB1#13	22.66	-3.5	19.16	0.082	2.00	Pass
			RB1#24	22.59	-3.5	19.09	0.081	2.00	Pass
			RB12#0	21.56	-3.5	18.06	0.064	2.00	Pass
			RB12#6	21.53	-3.5	18.03	0.064	2.00	Pass
			RB12#13	21.55	-3.5	18.05	0.064	2.00	Pass
			RB25#0	21.53	-3.5	18.03	0.064	2.00	Pass
	MCH	QPSK	RB1#0	23.43	-3.5	19.93	0.098	2.00	Pass
			RB1#13	23.51	-3.5	20.01	0.100	2.00	Pass
			RB1#24	23.44	-3.5	19.94	0.099	2.00	Pass
			RB12#0	22.48	-3.5	18.98	0.079	2.00	Pass
			RB12#6	22.57	-3.5	19.07	0.081	2.00	Pass
			RB12#13	22.52	-3.5	19.02	0.080	2.00	Pass
			RB25#0	22.46	-3.5	18.96	0.079	2.00	Pass
		16-QAM	RB1#0	23.02	-3.5	19.52	0.090	2.00	Pass
			RB1#13	23.12	-3.5	19.62	0.092	2.00	Pass
			RB1#24	23.01	-3.5	19.51	0.089	2.00	Pass
			RB12#0	21.62	-3.5	18.12	0.065	2.00	Pass
			RB12#6	21.75	-3.5	18.25	0.067	2.00	Pass
			RB12#13	21.71	-3.5	18.21	0.066	2.00	Pass
			RB25#0	21.49	-3.5	17.99	0.063	2.00	Pass
	HCH	QPSK	RB1#0	23.52	-3.5	20.02	0.100	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									
			RB1#13	23.59	-3.5	20.09	0.102	2.00	Pass
			RB1#24	23.5	-3.5	20.00	0.100	2.00	Pass
			RB12#0	22.58	-3.5	19.08	0.081	2.00	Pass
			RB12#6	22.61	-3.5	19.11	0.081	2.00	Pass
			RB12#13	22.56	-3.5	19.06	0.081	2.00	Pass
			RB25#0	22.57	-3.5	19.07	0.081	2.00	Pass
		16-QAM	RB1#0	22.78	-3.5	19.28	0.085	2.00	Pass
			RB1#13	22.8	-3.5	19.30	0.085	2.00	Pass
			RB1#24	22.72	-3.5	19.22	0.084	2.00	Pass
			RB12#0	21.63	-3.5	18.13	0.065	2.00	Pass
			RB12#6	21.65	-3.5	18.15	0.065	2.00	Pass
			RB12#13	21.61	-3.5	18.11	0.065	2.00	Pass
			RB25#0	21.56	-3.5	18.06	0.064	2.00	Pass
10 MHz	LCH	QPSK	RB1#0	23.4	-3.5	19.90	0.098	2.00	Pass
			RB1#25	23.35	-3.5	19.85	0.097	2.00	Pass
			RB1#49	23.3	-3.5	19.80	0.095	2.00	Pass
			RB25#0	22.49	-3.5	18.99	0.079	2.00	Pass
			RB25#13	22.49	-3.5	18.99	0.079	2.00	Pass
			RB25#25	22.45	-3.5	18.95	0.079	2.00	Pass
			RB50#0	22.47	-3.5	18.97	0.079	2.00	Pass
		16-QAM	RB1#0	22.33	-3.5	18.83	0.076	2.00	Pass
			RB1#25	22.27	-3.5	18.77	0.075	2.00	Pass
			RB1#49	22.27	-3.5	18.77	0.075	2.00	Pass
			RB25#0	21.47	-3.5	17.97	0.063	2.00	Pass
			RB25#13	21.53	-3.5	18.03	0.064	2.00	Pass
			RB25#25	21.43	-3.5	17.93	0.062	2.00	Pass
			RB50#0	21.44	-3.5	17.94	0.062	2.00	Pass
	MCH	QPSK	RB1#0	23.41	-3.5	19.91	0.098	2.00	Pass
			RB1#25	23.43	-3.5	19.93	0.098	2.00	Pass
			RB1#49	23.45	-3.5	19.95	0.099	2.00	Pass
			RB25#0	22.52	-3.5	19.02	0.080	2.00	Pass
			RB25#13	22.56	-3.5	19.06	0.081	2.00	Pass
			RB25#25	22.5	-3.5	19.00	0.079	2.00	Pass
			RB50#0	22.44	-3.5	18.94	0.078	2.00	Pass
		16-QAM	RB1#0	22.93	-3.5	19.43	0.088	2.00	Pass
			RB1#25	23	-3.5	19.50	0.089	2.00	Pass
			RB1#49	22.95	-3.5	19.45	0.088	2.00	Pass
			RB25#0	21.52	-3.5	18.02	0.063	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									
			RB25#13	21.64	-3.5	18.14	0.065	2.00	Pass
			RB25#25	21.61	-3.5	18.11	0.065	2.00	Pass
			RB50#0	21.49	-3.5	17.99	0.063	2.00	Pass
	HCH	QPSK	RB1#0	23.49	-3.5	19.99	0.100	2.00	Pass
			RB1#25	23.46	-3.5	19.96	0.099	2.00	Pass
			RB1#49	23.47	-3.5	19.97	0.099	2.00	Pass
			RB25#0	22.55	-3.5	19.05	0.080	2.00	Pass
			RB25#13	22.55	-3.5	19.05	0.080	2.00	Pass
			RB25#25	22.55	-3.5	19.05	0.080	2.00	Pass
			RB50#0	22.5	-3.5	19.00	0.079	2.00	Pass
		16-QAM	RB1#0	22.65	-3.5	19.15	0.082	2.00	Pass
			RB1#25	22.62	-3.5	19.12	0.082	2.00	Pass
			RB1#49	22.55	-3.5	19.05	0.080	2.00	Pass
			RB25#0	21.61	-3.5	18.11	0.065	2.00	Pass
			RB25#13	21.61	-3.5	18.11	0.065	2.00	Pass
			RB25#25	21.65	-3.5	18.15	0.065	2.00	Pass
			RB50#0	21.55	-3.5	18.05	0.064	2.00	Pass
15 MHz	LCH	QPSK	RB1#0	23.24	-3.5	19.74	0.094	2.00	Pass
			RB1#38	23.14	-3.5	19.64	0.092	2.00	Pass
			RB1#74	23.22	-3.5	19.72	0.094	2.00	Pass
			RB36#0	22.29	-3.5	18.79	0.076	2.00	Pass
			RB36#19	22.36	-3.5	18.86	0.077	2.00	Pass
			RB36#39	22.33	-3.5	18.83	0.076	2.00	Pass
			RB75#0	22.33	-3.5	18.83	0.076	2.00	Pass
		16-QAM	RB1#0	22.25	-3.5	18.75	0.075	2.00	Pass
			RB1#38	22.1	-3.5	18.60	0.072	2.00	Pass
			RB1#74	22.18	-3.5	18.68	0.074	2.00	Pass
			RB36#0	21.31	-3.5	17.81	0.060	2.00	Pass
			RB36#19	21.33	-3.5	17.83	0.061	2.00	Pass
			RB36#39	21.32	-3.5	17.82	0.061	2.00	Pass
			RB75#0	21.34	-3.5	17.84	0.061	2.00	Pass
	MCH	QPSK	RB1#0	23.26	-3.5	19.76	0.095	2.00	Pass
			RB1#38	23.26	-3.5	19.76	0.095	2.00	Pass
			RB1#74	23.32	-3.5	19.82	0.096	2.00	Pass
			RB36#0	22.38	-3.5	18.88	0.077	2.00	Pass
			RB36#19	22.38	-3.5	18.88	0.077	2.00	Pass
			RB36#39	22.42	-3.5	18.92	0.078	2.00	Pass
			RB75#0	22.33	-3.5	18.83	0.076	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									
			RB1#0	22.69	-3.5	19.19	0.083	2.00	Pass
			RB1#38	22.68	-3.5	19.18	0.083	2.00	Pass
			RB1#74	22.77	-3.5	19.27	0.085	2.00	Pass
		16-QAM	RB36#0	21.44	-3.5	17.94	0.062	2.00	Pass
			RB36#19	21.42	-3.5	17.92	0.062	2.00	Pass
			RB36#39	21.46	-3.5	17.96	0.063	2.00	Pass
			RB75#0	21.34	-3.5	17.84	0.061	2.00	Pass
	HCH		RB1#0	23.4	-3.5	19.90	0.098	2.00	Pass
			RB1#38	23.29	-3.5	19.79	0.095	2.00	Pass
			RB1#74	23.29	-3.5	19.79	0.095	2.00	Pass
		QPSK	RB36#0	22.43	-3.5	18.93	0.078	2.00	Pass
			RB36#19	22.48	-3.5	18.98	0.079	2.00	Pass
			RB36#39	22.44	-3.5	18.94	0.078	2.00	Pass
			RB75#0	22.37	-3.5	18.87	0.077	2.00	Pass
			RB1#0	22.96	-3.5	19.46	0.088	2.00	Pass
			RB1#38	22.81	-3.5	19.31	0.085	2.00	Pass
			RB1#74	22.77	-3.5	19.27	0.085	2.00	Pass
		16-QAM	RB36#0	21.43	-3.5	17.93	0.062	2.00	Pass
			RB36#19	21.47	-3.5	17.97	0.063	2.00	Pass
			RB36#39	21.44	-3.5	17.94	0.062	2.00	Pass
			RB75#0	21.38	-3.5	17.88	0.061	2.00	Pass
20 MHz	LCH		RB1#0	23.29	-3.5	19.79	0.095	2.00	Pass
			RB1#50	23.15	-3.5	19.65	0.092	2.00	Pass
			RB1#99	23.3	-3.5	19.80	0.095	2.00	Pass
		QPSK	RB50#0	22.3	-3.5	18.80	0.076	2.00	Pass
			RB50#25	22.34	-3.5	18.84	0.077	2.00	Pass
			RB50#50	22.29	-3.5	18.79	0.076	2.00	Pass
			RB100#0	22.36	-3.5	18.86	0.077	2.00	Pass
			RB1#0	22.87	-3.5	19.37	0.086	2.00	Pass
			RB1#50	22.68	-3.5	19.18	0.083	2.00	Pass
			RB1#99	22.81	-3.5	19.31	0.085	2.00	Pass
		16-QAM	RB50#0	21.32	-3.5	17.82	0.061	2.00	Pass
			RB50#25	21.36	-3.5	17.86	0.061	2.00	Pass
			RB50#50	21.41	-3.5	17.91	0.062	2.00	Pass
			RB100#0	21.41	-3.5	17.91	0.062	2.00	Pass
	MCH		RB1#0	23.35	-3.5	19.85	0.097	2.00	Pass
		QPSK	RB1#50	23.29	-3.5	19.79	0.095	2.00	Pass
			RB1#99	23.4	-3.5	19.90	0.098	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									
			RB50#0	22.37	-3.5	18.87	0.077	2.00	Pass
			RB50#25	22.34	-3.5	18.84	0.077	2.00	Pass
			RB50#50	22.38	-3.5	18.88	0.077	2.00	Pass
			RB100#0	22.34	-3.5	18.84	0.077	2.00	Pass
		16-QAM	RB1#0	22.71	-3.5	19.21	0.083	2.00	Pass
			RB1#50	22.71	-3.5	19.21	0.083	2.00	Pass
			RB1#99	22.81	-3.5	19.31	0.085	2.00	Pass
			RB50#0	21.42	-3.5	17.92	0.062	2.00	Pass
			RB50#25	21.35	-3.5	17.85	0.061	2.00	Pass
			RB50#50	21.45	-3.5	17.95	0.062	2.00	Pass
			RB100#0	21.33	-3.5	17.83	0.061	2.00	Pass
	HCH	QPSK	RB1#0	23.36	-3.5	19.86	0.097	2.00	Pass
			RB1#50	23.24	-3.5	19.74	0.094	2.00	Pass
			RB1#99	23.27	-3.5	19.77	0.095	2.00	Pass
			RB50#0	22.42	-3.5	18.92	0.078	2.00	Pass
			RB50#25	22.45	-3.5	18.95	0.079	2.00	Pass
			RB50#50	22.41	-3.5	18.91	0.078	2.00	Pass
			RB100#0	22.39	-3.5	18.89	0.077	2.00	Pass
		16-QAM	RB1#0	22.81	-3.5	19.31	0.085	2.00	Pass
			RB1#50	22.67	-3.5	19.17	0.083	2.00	Pass
			RB1#99	22.7	-3.5	19.20	0.083	2.00	Pass
			RB50#0	21.39	-3.5	17.89	0.062	2.00	Pass
			RB50#25	21.46	-3.5	17.96	0.063	2.00	Pass
			RB50#50	21.39	-3.5	17.89	0.062	2.00	Pass
			RB100#0	21.39	-3.5	17.89	0.062	2.00	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	23.79	-3.7	-5.85	17.94	0.062	7.00	Pass
			RB1#3	23.88	-3.7	-5.85	18.03	0.064	7.00	Pass
			RB1#5	23.8	-3.7	-5.85	17.95	0.062	7.00	Pass
			RB3#0	23.82	-3.7	-5.85	17.97	0.063	7.00	Pass
			RB3#2	23.86	-3.7	-5.85	18.01	0.063	7.00	Pass
			RB3#3	23.82	-3.7	-5.85	17.97	0.063	7.00	Pass
			RB6#0	22.86	-3.7	-5.85	17.01	0.050	7.00	Pass
		16-QAM	RB1#0	23.05	-3.7	-5.85	17.20	0.052	7.00	Pass
			RB1#3	23.11	-3.7	-5.85	17.26	0.053	7.00	Pass
			RB1#5	23.01	-3.7	-5.85	17.16	0.052	7.00	Pass
			RB3#0	22.99	-3.7	-5.85	17.14	0.052	7.00	Pass
			RB3#2	22.97	-3.7	-5.85	17.12	0.052	7.00	Pass
			RB3#3	22.9	-3.7	-5.85	17.05	0.051	7.00	Pass
			RB6#0	22.04	-3.7	-5.85	16.19	0.042	7.00	Pass
	MCH	QPSK	RB1#0	23.75	-3.7	-5.85	17.90	0.062	7.00	Pass
			RB1#3	23.82	-3.7	-5.85	17.97	0.063	7.00	Pass
			RB1#5	23.8	-3.7	-5.85	17.95	0.062	7.00	Pass
			RB3#0	23.78	-3.7	-5.85	17.93	0.062	7.00	Pass
			RB3#2	23.84	-3.7	-5.85	17.99	0.063	7.00	Pass
			RB3#3	23.83	-3.7	-5.85	17.98	0.063	7.00	Pass
			RB6#0	22.83	-3.7	-5.85	16.98	0.050	7.00	Pass
		16-QAM	RB1#0	23.31	-3.7	-5.85	17.46	0.056	7.00	Pass
			RB1#3	23.34	-3.7	-5.85	17.49	0.056	7.00	Pass
			RB1#5	23.25	-3.7	-5.85	17.40	0.055	7.00	Pass
			RB3#0	23.11	-3.7	-5.85	17.26	0.053	7.00	Pass
			RB3#2	23.14	-3.7	-5.85	17.29	0.054	7.00	Pass
			RB3#3	23.07	-3.7	-5.85	17.22	0.053	7.00	Pass
			RB6#0	21.71	-3.7	-5.85	15.86	0.039	7.00	Pass
	HCH	QPSK	RB1#0	23.73	-3.7	-5.85	17.88	0.061	7.00	Pass
			RB1#3	23.83	-3.7	-5.85	17.98	0.063	7.00	Pass
			RB1#5	23.71	-3.7	-5.85	17.86	0.061	7.00	Pass
			RB3#0	23.72	-3.7	-5.85	17.87	0.061	7.00	Pass
			RB3#2	23.79	-3.7	-5.85	17.94	0.062	7.00	Pass
			RB3#3	23.73	-3.7	-5.85	17.88	0.061	7.00	Pass
			RB6#0	22.78	-3.7	-5.85	16.93	0.049	7.00	Pass
		16-QAM	RB1#0	22.74	-3.7	-5.85	16.89	0.049	7.00	Pass
			RB1#3	22.82	-3.7	-5.85	16.97	0.050	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#5	22.75	-3.7	-5.85	16.90	0.049	7.00	Pass
			RB3#0	23	-3.7	-5.85	17.15	0.052	7.00	Pass
			RB3#2	23.08	-3.7	-5.85	17.23	0.053	7.00	Pass
			RB3#3	22.99	-3.7	-5.85	17.14	0.052	7.00	Pass
			RB6#0	21.97	-3.7	-5.85	16.12	0.041	7.00	Pass
3 MHz	LCH	QPSK	RB1#0	23.94	-3.7	-5.85	18.09	0.064	7.00	Pass
			RB1#7	23.91	-3.7	-5.85	18.06	0.064	7.00	Pass
			RB1#14	23.87	-3.7	-5.85	18.02	0.063	7.00	Pass
			RB8#0	22.96	-3.7	-5.85	17.11	0.051	7.00	Pass
			RB8#4	23.04	-3.7	-5.85	17.19	0.052	7.00	Pass
			RB8#7	22.96	-3.7	-5.85	17.11	0.051	7.00	Pass
			RB15#0	22.95	-3.7	-5.85	17.10	0.051	7.00	Pass
		16-QAM	RB1#0	22.91	-3.7	-5.85	17.06	0.051	7.00	Pass
			RB1#7	22.91	-3.7	-5.85	17.06	0.051	7.00	Pass
			RB1#14	22.76	-3.7	-5.85	16.91	0.049	7.00	Pass
			RB8#0	22.1	-3.7	-5.85	16.25	0.042	7.00	Pass
			RB8#4	22.1	-3.7	-5.85	16.25	0.042	7.00	Pass
			RB8#7	22.02	-3.7	-5.85	16.17	0.041	7.00	Pass
			RB15#0	22.05	-3.7	-5.85	16.20	0.042	7.00	Pass
	MCH	QPSK	RB1#0	23.94	-3.7	-5.85	18.09	0.064	7.00	Pass
			RB1#7	23.95	-3.7	-5.85	18.10	0.065	7.00	Pass
			RB1#14	23.94	-3.7	-5.85	18.09	0.064	7.00	Pass
			RB8#0	22.92	-3.7	-5.85	17.07	0.051	7.00	Pass
			RB8#4	22.9	-3.7	-5.85	17.05	0.051	7.00	Pass
			RB8#7	22.98	-3.7	-5.85	17.13	0.052	7.00	Pass
			RB15#0	22.93	-3.7	-5.85	17.08	0.051	7.00	Pass
		16-QAM	RB1#0	23.34	-3.7	-5.85	17.49	0.056	7.00	Pass
			RB1#7	23.43	-3.7	-5.85	17.58	0.057	7.00	Pass
			RB1#14	23.32	-3.7	-5.85	17.47	0.056	7.00	Pass
			RB8#0	21.92	-3.7	-5.85	16.07	0.040	7.00	Pass
			RB8#4	21.97	-3.7	-5.85	16.12	0.041	7.00	Pass
			RB8#7	22.03	-3.7	-5.85	16.18	0.041	7.00	Pass
			RB15#0	21.94	-3.7	-5.85	16.09	0.041	7.00	Pass
	HCH	QPSK	RB1#0	23.85	-3.7	-5.85	18.00	0.063	7.00	Pass
			RB1#7	23.85	-3.7	-5.85	18.00	0.063	7.00	Pass
			RB1#14	23.81	-3.7	-5.85	17.96	0.063	7.00	Pass
			RB8#0	22.89	-3.7	-5.85	17.04	0.051	7.00	Pass
			RB8#4	22.92	-3.7	-5.85	17.07	0.051	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										
			RB8#7	22.88	-3.7	-5.85	17.03	0.050	7.00	Pass
			RB15#0	22.91	-3.7	-5.85	17.06	0.051	7.00	Pass
		16-QAM	RB1#0	22.93	-3.7	-5.85	17.08	0.051	7.00	Pass
			RB1#7	22.9	-3.7	-5.85	17.05	0.051	7.00	Pass
			RB1#14	22.91	-3.7	-5.85	17.06	0.051	7.00	Pass
			RB8#0	21.93	-3.7	-5.85	16.08	0.041	7.00	Pass
			RB8#4	21.99	-3.7	-5.85	16.14	0.041	7.00	Pass
			RB8#7	21.91	-3.7	-5.85	16.06	0.040	7.00	Pass
			RB15#0	21.88	-3.7	-5.85	16.03	0.040	7.00	Pass
5 MHz	LCH	QPSK	RB1#0	23.89	-3.7	-5.85	18.04	0.064	7.00	Pass
			RB1#13	23.93	-3.7	-5.85	18.08	0.064	7.00	Pass
			RB1#24	23.8	-3.7	-5.85	17.95	0.062	7.00	Pass
			RB12#0	22.97	-3.7	-5.85	17.12	0.052	7.00	Pass
			RB12#6	23.04	-3.7	-5.85	17.19	0.052	7.00	Pass
			RB12#13	22.94	-3.7	-5.85	17.09	0.051	7.00	Pass
			RB25#0	22.97	-3.7	-5.85	17.12	0.052	7.00	Pass
		16-QAM	RB1#0	23.16	-3.7	-5.85	17.31	0.054	7.00	Pass
			RB1#13	23.11	-3.7	-5.85	17.26	0.053	7.00	Pass
			RB1#24	23.1	-3.7	-5.85	17.25	0.053	7.00	Pass
			RB12#0	22.05	-3.7	-5.85	16.20	0.042	7.00	Pass
			RB12#6	22.06	-3.7	-5.85	16.21	0.042	7.00	Pass
			RB12#13	21.99	-3.7	-5.85	16.14	0.041	7.00	Pass
			RB25#0	22	-3.7	-5.85	16.15	0.041	7.00	Pass
	MCH	QPSK	RB1#0	23.92	-3.7	-5.85	18.07	0.064	7.00	Pass
			RB1#13	23.99	-3.7	-5.85	18.14	0.065	7.00	Pass
			RB1#24	23.89	-3.7	-5.85	18.04	0.064	7.00	Pass
			RB12#0	22.96	-3.7	-5.85	17.11	0.051	7.00	Pass
			RB12#6	22.94	-3.7	-5.85	17.09	0.051	7.00	Pass
			RB12#13	22.96	-3.7	-5.85	17.11	0.051	7.00	Pass
			RB25#0	22.9	-3.7	-5.85	17.05	0.051	7.00	Pass
		16-QAM	RB1#0	23.43	-3.7	-5.85	17.58	0.057	7.00	Pass
			RB1#13	23.55	-3.7	-5.85	17.70	0.059	7.00	Pass
			RB1#24	23.44	-3.7	-5.85	17.59	0.057	7.00	Pass
			RB12#0	22.09	-3.7	-5.85	16.24	0.042	7.00	Pass
			RB12#6	22.06	-3.7	-5.85	16.21	0.042	7.00	Pass
			RB12#13	22.12	-3.7	-5.85	16.27	0.042	7.00	Pass
			RB25#0	21.97	-3.7	-5.85	16.12	0.041	7.00	Pass
	HCH	QPSK	RB1#0	23.86	-3.7	-5.85	18.01	0.063	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	23.87	-3.7	-5.85	18.02	0.063	7.00	Pass
			RB1#24	23.83	-3.7	-5.85	17.98	0.063	7.00	Pass
			RB12#0	22.81	-3.7	-5.85	16.96	0.050	7.00	Pass
			RB12#6	22.86	-3.7	-5.85	17.01	0.050	7.00	Pass
			RB12#13	22.92	-3.7	-5.85	17.07	0.051	7.00	Pass
			RB25#0	22.86	-3.7	-5.85	17.01	0.050	7.00	Pass
		16-QAM	RB1#0	23.04	-3.7	-5.85	17.19	0.052	7.00	Pass
			RB1#13	23.09	-3.7	-5.85	17.24	0.053	7.00	Pass
			RB1#24	22.99	-3.7	-5.85	17.14	0.052	7.00	Pass
			RB12#0	21.93	-3.7	-5.85	16.08	0.041	7.00	Pass
			RB12#6	21.94	-3.7	-5.85	16.09	0.041	7.00	Pass
			RB12#13	21.97	-3.7	-5.85	16.12	0.041	7.00	Pass
			RB25#0	21.79	-3.7	-5.85	15.94	0.039	7.00	Pass
10 MHz	LCH	QPSK	RB1#0	23.92	-3.7	-5.85	18.07	0.064	7.00	Pass
			RB1#25	23.88	-3.7	-5.85	18.03	0.064	7.00	Pass
			RB1#49	23.83	-3.7	-5.85	17.98	0.063	7.00	Pass
			RB25#0	22.91	-3.7	-5.85	17.06	0.051	7.00	Pass
			RB25#13	22.97	-3.7	-5.85	17.12	0.052	7.00	Pass
			RB25#25	22.92	-3.7	-5.85	17.07	0.051	7.00	Pass
			RB50#0	22.97	-3.7	-5.85	17.12	0.052	7.00	Pass
		16-QAM	RB1#0	22.88	-3.7	-5.85	17.03	0.050	7.00	Pass
			RB1#25	22.93	-3.7	-5.85	17.08	0.051	7.00	Pass
			RB1#49	22.77	-3.7	-5.85	16.92	0.049	7.00	Pass
			RB25#0	21.95	-3.7	-5.85	16.10	0.041	7.00	Pass
			RB25#13	22.03	-3.7	-5.85	16.18	0.041	7.00	Pass
			RB25#25	21.99	-3.7	-5.85	16.14	0.041	7.00	Pass
			RB50#0	22.02	-3.7	-5.85	16.17	0.041	7.00	Pass
	MCH	QPSK	RB1#0	23.9	-3.7	-5.85	18.05	0.064	7.00	Pass
			RB1#25	23.82	-3.7	-5.85	17.97	0.063	7.00	Pass
			RB1#49	23.75	-3.7	-5.85	17.90	0.062	7.00	Pass
			RB25#0	22.95	-3.7	-5.85	17.10	0.051	7.00	Pass
			RB25#13	22.94	-3.7	-5.85	17.09	0.051	7.00	Pass
			RB25#25	22.95	-3.7	-5.85	17.10	0.051	7.00	Pass
			RB50#0	22.93	-3.7	-5.85	17.08	0.051	7.00	Pass
		16-QAM	RB1#0	23.39	-3.7	-5.85	17.54	0.057	7.00	Pass
			RB1#25	23.35	-3.7	-5.85	17.50	0.056	7.00	Pass
			RB1#49	23.33	-3.7	-5.85	17.48	0.056	7.00	Pass
			RB25#0	22.08	-3.7	-5.85	16.23	0.042	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	22.03	-3.7	-5.85	16.18	0.041	7.00	Pass
			RB25#25	22.05	-3.7	-5.85	16.20	0.042	7.00	Pass
			RB50#0	21.99	-3.7	-5.85	16.14	0.041	7.00	Pass
	HCH	QPSK	RB1#0	23.95	-3.7	-5.85	18.10	0.065	7.00	Pass
			RB1#25	23.87	-3.7	-5.85	18.02	0.063	7.00	Pass
			RB1#49	23.76	-3.7	-5.85	17.91	0.062	7.00	Pass
			RB25#0	22.91	-3.7	-5.85	17.06	0.051	7.00	Pass
			RB25#13	22.87	-3.7	-5.85	17.02	0.050	7.00	Pass
			RB25#25	22.91	-3.7	-5.85	17.06	0.051	7.00	Pass
			RB50#0	22.89	-3.7	-5.85	17.04	0.051	7.00	Pass
		16-QAM	RB1#0	23.01	-3.7	-5.85	17.16	0.052	7.00	Pass
			RB1#25	22.93	-3.7	-5.85	17.08	0.051	7.00	Pass
			RB1#49	22.81	-3.7	-5.85	16.96	0.050	7.00	Pass
			RB25#0	22.01	-3.7	-5.85	16.16	0.041	7.00	Pass
			RB25#13	22.01	-3.7	-5.85	16.16	0.041	7.00	Pass
			RB25#25	22.01	-3.7	-5.85	16.16	0.041	7.00	Pass
			RB50#0	21.91	-3.7	-5.85	16.06	0.040	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 BAND12										
1.4 MHz	LCH	QPSK	RB1#0	22.8	-4	-6.15	16.65	0.046	3.00	Pass
			RB1#3	22.89	-4	-6.15	16.74	0.047	3.00	Pass
			RB1#5	22.84	-4	-6.15	16.69	0.047	3.00	Pass
			RB3#0	22.84	-4	-6.15	16.69	0.047	3.00	Pass
			RB3#2	22.85	-4	-6.15	16.70	0.047	3.00	Pass
			RB3#3	22.83	-4	-6.15	16.68	0.047	3.00	Pass
			RB6#0	21.93	-4	-6.15	15.78	0.038	3.00	Pass
		16-QAM	RB1#0	21.99	-4	-6.15	15.84	0.038	3.00	Pass
			RB1#3	22.1	-4	-6.15	15.95	0.039	3.00	Pass
			RB1#5	21.99	-4	-6.15	15.84	0.038	3.00	Pass
			RB3#0	21.94	-4	-6.15	15.79	0.038	3.00	Pass
			RB3#2	21.95	-4	-6.15	15.80	0.038	3.00	Pass
			RB3#3	21.96	-4	-6.15	15.81	0.038	3.00	Pass
			RB6#0	21.11	-4	-6.15	14.96	0.031	3.00	Pass
	MCH	QPSK	RB1#0	22.76	-4	-6.15	16.61	0.046	3.00	Pass
			RB1#3	22.83	-4	-6.15	16.68	0.047	3.00	Pass
			RB1#5	22.77	-4	-6.15	16.62	0.046	3.00	Pass
			RB3#0	22.84	-4	-6.15	16.69	0.047	3.00	Pass
			RB3#2	22.94	-4	-6.15	16.79	0.048	3.00	Pass
			RB3#3	22.84	-4	-6.15	16.69	0.047	3.00	Pass
			RB6#0	21.85	-4	-6.15	15.70	0.037	3.00	Pass
		16-QAM	RB1#0	22.18	-4	-6.15	16.03	0.040	3.00	Pass
			RB1#3	22.24	-4	-6.15	16.09	0.041	3.00	Pass
			RB1#5	22.19	-4	-6.15	16.04	0.040	3.00	Pass
			RB3#0	22.16	-4	-6.15	16.01	0.040	3.00	Pass
			RB3#2	22.1	-4	-6.15	15.95	0.039	3.00	Pass
			RB3#3	22.14	-4	-6.15	15.99	0.040	3.00	Pass
			RB6#0	20.76	-4	-6.15	14.61	0.029	3.00	Pass
	HCH	QPSK	RB1#0	22.74	-4	-6.15	16.59	0.046	3.00	Pass
			RB1#3	22.84	-4	-6.15	16.69	0.047	3.00	Pass
			RB1#5	22.74	-4	-6.15	16.59	0.046	3.00	Pass
			RB3#0	22.83	-4	-6.15	16.68	0.047	3.00	Pass
			RB3#2	22.88	-4	-6.15	16.73	0.047	3.00	Pass
			RB3#3	22.82	-4	-6.15	16.67	0.046	3.00	Pass
			RB6#0	21.85	-4	-6.15	15.70	0.037	3.00	Pass
		16-QAM	RB1#0	21.8	-4	-6.15	15.65	0.037	3.00	Pass
			RB1#3	21.89	-4	-6.15	15.74	0.037	3.00	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 BAND12										
			RB1#5	21.83	-4	-6.15	15.68	0.037	3.00	Pass
			RB3#0	22.05	-4	-6.15	15.90	0.039	3.00	Pass
			RB3#2	22.13	-4	-6.15	15.98	0.040	3.00	Pass
			RB3#3	22.04	-4	-6.15	15.89	0.039	3.00	Pass
			RB6#0	21.04	-4	-6.15	14.89	0.031	3.00	Pass
3 MHz	LCH	QPSK	RB1#0	22.89	-4	-6.15	16.74	0.047	3.00	Pass
			RB1#7	22.95	-4	-6.15	16.80	0.048	3.00	Pass
			RB1#14	22.83	-4	-6.15	16.68	0.047	3.00	Pass
			RB8#0	22.01	-4	-6.15	15.86	0.039	3.00	Pass
			RB8#4	22.01	-4	-6.15	15.86	0.039	3.00	Pass
			RB8#7	21.96	-4	-6.15	15.81	0.038	3.00	Pass
			RB15#0	21.98	-4	-6.15	15.83	0.038	3.00	Pass
		16-QAM	RB1#0	21.89	-4	-6.15	15.74	0.037	3.00	Pass
			RB1#7	21.89	-4	-6.15	15.74	0.037	3.00	Pass
			RB1#14	21.8	-4	-6.15	15.65	0.037	3.00	Pass
			RB8#0	21.11	-4	-6.15	14.96	0.031	3.00	Pass
			RB8#4	21.14	-4	-6.15	14.99	0.032	3.00	Pass
			RB8#7	21.09	-4	-6.15	14.94	0.031	3.00	Pass
			RB15#0	21.02	-4	-6.15	14.87	0.031	3.00	Pass
	MCH	QPSK	RB1#0	22.93	-4	-6.15	16.78	0.048	3.00	Pass
			RB1#7	23	-4	-6.15	16.85	0.048	3.00	Pass
			RB1#14	22.94	-4	-6.15	16.79	0.048	3.00	Pass
			RB8#0	21.92	-4	-6.15	15.77	0.038	3.00	Pass
			RB8#4	21.92	-4	-6.15	15.77	0.038	3.00	Pass
			RB8#7	22.04	-4	-6.15	15.89	0.039	3.00	Pass
			RB15#0	21.94	-4	-6.15	15.79	0.038	3.00	Pass
		16-QAM	RB1#0	22.26	-4	-6.15	16.11	0.041	3.00	Pass
			RB1#7	22.33	-4	-6.15	16.18	0.041	3.00	Pass
			RB1#14	22.26	-4	-6.15	16.11	0.041	3.00	Pass
			RB8#0	20.94	-4	-6.15	14.79	0.030	3.00	Pass
			RB8#4	21.07	-4	-6.15	14.92	0.031	3.00	Pass
			RB8#7	21.03	-4	-6.15	14.88	0.031	3.00	Pass
			RB15#0	20.96	-4	-6.15	14.81	0.030	3.00	Pass
	HCH	QPSK	RB1#0	22.93	-4	-6.15	16.78	0.048	3.00	Pass
			RB1#7	22.94	-4	-6.15	16.79	0.048	3.00	Pass
			RB1#14	22.84	-4	-6.15	16.69	0.047	3.00	Pass
			RB8#0	21.87	-4	-6.15	15.72	0.037	3.00	Pass
			RB8#4	21.98	-4	-6.15	15.83	0.038	3.00	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 BAND12										
			RB8#7	21.87	-4	-6.15	15.72	0.037	3.00	Pass
			RB15#0	21.89	-4	-6.15	15.74	0.037	3.00	Pass
		16-QAM	RB1#0	21.99	-4	-6.15	15.84	0.038	3.00	Pass
			RB1#7	22.02	-4	-6.15	15.87	0.039	3.00	Pass
			RB1#14	21.94	-4	-6.15	15.79	0.038	3.00	Pass
			RB8#0	20.97	-4	-6.15	14.82	0.030	3.00	Pass
			RB8#4	21.06	-4	-6.15	14.91	0.031	3.00	Pass
			RB8#7	20.94	-4	-6.15	14.79	0.030	3.00	Pass
			RB15#0	20.86	-4	-6.15	14.71	0.030	3.00	Pass
5 MHz	LCH	QPSK	RB1#0	22.89	-4	-6.15	16.74	0.047	3.00	Pass
			RB1#13	22.93	-4	-6.15	16.78	0.048	3.00	Pass
			RB1#24	22.84	-4	-6.15	16.69	0.047	3.00	Pass
			RB12#0	21.99	-4	-6.15	15.84	0.038	3.00	Pass
			RB12#6	22.05	-4	-6.15	15.90	0.039	3.00	Pass
			RB12#13	21.99	-4	-6.15	15.84	0.038	3.00	Pass
			RB25#0	22	-4	-6.15	15.85	0.038	3.00	Pass
		16-QAM	RB1#0	22.11	-4	-6.15	15.96	0.039	3.00	Pass
			RB1#13	22.18	-4	-6.15	16.03	0.040	3.00	Pass
			RB1#24	22.11	-4	-6.15	15.96	0.039	3.00	Pass
			RB12#0	21.09	-4	-6.15	14.94	0.031	3.00	Pass
			RB12#6	21.14	-4	-6.15	14.99	0.032	3.00	Pass
			RB12#13	21.08	-4	-6.15	14.93	0.031	3.00	Pass
			RB25#0	21.05	-4	-6.15	14.90	0.031	3.00	Pass
	MCH	QPSK	RB1#0	22.9	-4	-6.15	16.75	0.047	3.00	Pass
			RB1#13	22.95	-4	-6.15	16.80	0.048	3.00	Pass
			RB1#24	22.91	-4	-6.15	16.76	0.047	3.00	Pass
			RB12#0	21.95	-4	-6.15	15.80	0.038	3.00	Pass
			RB12#6	21.99	-4	-6.15	15.84	0.038	3.00	Pass
			RB12#13	22	-4	-6.15	15.85	0.038	3.00	Pass
			RB25#0	21.97	-4	-6.15	15.82	0.038	3.00	Pass
		16-QAM	RB1#0	22.48	-4	-6.15	16.33	0.043	3.00	Pass
			RB1#13	22.52	-4	-6.15	16.37	0.043	3.00	Pass
			RB1#24	22.45	-4	-6.15	16.30	0.043	3.00	Pass
			RB12#0	21.12	-4	-6.15	14.97	0.031	3.00	Pass
			RB12#6	21.16	-4	-6.15	15.01	0.032	3.00	Pass
			RB12#13	21.2	-4	-6.15	15.05	0.032	3.00	Pass
			RB25#0	21	-4	-6.15	14.85	0.031	3.00	Pass
	HCH	QPSK	RB1#0	22.93	-4	-6.15	16.78	0.048	3.00	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 BAND12										
			RB1#13	22.94	-4	-6.15	16.79	0.048	3.00	Pass
			RB1#24	22.91	-4	-6.15	16.76	0.047	3.00	Pass
			RB12#0	21.9	-4	-6.15	15.75	0.038	3.00	Pass
			RB12#6	21.9	-4	-6.15	15.75	0.038	3.00	Pass
			RB12#13	21.93	-4	-6.15	15.78	0.038	3.00	Pass
			RB25#0	21.89	-4	-6.15	15.74	0.037	3.00	Pass
		16-QAM	RB1#0	22.08	-4	-6.15	15.93	0.039	3.00	Pass
			RB1#13	22.15	-4	-6.15	16.00	0.040	3.00	Pass
			RB1#24	22.07	-4	-6.15	15.92	0.039	3.00	Pass
			RB12#0	20.99	-4	-6.15	14.84	0.030	3.00	Pass
			RB12#6	20.99	-4	-6.15	14.84	0.030	3.00	Pass
			RB12#13	21.03	-4	-6.15	14.88	0.031	3.00	Pass
			RB25#0	20.87	-4	-6.15	14.72	0.030	3.00	Pass
10 MHz	LCH	QPSK	RB1#0	22.94	-4	-6.15	16.79	0.048	3.00	Pass
			RB1#25	22.86	-4	-6.15	16.71	0.047	3.00	Pass
			RB1#49	22.88	-4	-6.15	16.73	0.047	3.00	Pass
			RB25#0	21.97	-4	-6.15	15.82	0.038	3.00	Pass
			RB25#13	22.07	-4	-6.15	15.92	0.039	3.00	Pass
			RB25#25	21.99	-4	-6.15	15.84	0.038	3.00	Pass
			RB50#0	22.06	-4	-6.15	15.91	0.039	3.00	Pass
		16-QAM	RB1#0	22.01	-4	-6.15	15.86	0.039	3.00	Pass
			RB1#25	21.85	-4	-6.15	15.70	0.037	3.00	Pass
			RB1#49	21.81	-4	-6.15	15.66	0.037	3.00	Pass
			RB25#0	21.02	-4	-6.15	14.87	0.031	3.00	Pass
			RB25#13	21.12	-4	-6.15	14.97	0.031	3.00	Pass
			RB25#25	21.06	-4	-6.15	14.91	0.031	3.00	Pass
			RB50#0	21.02	-4	-6.15	14.87	0.031	3.00	Pass
	MCH	QPSK	RB1#0	22.91	-4	-6.15	16.76	0.047	3.00	Pass
			RB1#25	22.86	-4	-6.15	16.71	0.047	3.00	Pass
			RB1#49	22.83	-4	-6.15	16.68	0.047	3.00	Pass
			RB25#0	21.95	-4	-6.15	15.80	0.038	3.00	Pass
			RB25#13	21.99	-4	-6.15	15.84	0.038	3.00	Pass
			RB25#25	22	-4	-6.15	15.85	0.038	3.00	Pass
			RB50#0	21.95	-4	-6.15	15.80	0.038	3.00	Pass
		16-QAM	RB1#0	22.37	-4	-6.15	16.22	0.042	3.00	Pass
			RB1#25	22.34	-4	-6.15	16.19	0.042	3.00	Pass
			RB1#49	22.31	-4	-6.15	16.16	0.041	3.00	Pass
			RB25#0	21.03	-4	-6.15	14.88	0.031	3.00	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 BAND12										
			RB25#13	21.06	-4	-6.15	14.91	0.031	3.00	Pass
			RB25#25	21.07	-4	-6.15	14.92	0.031	3.00	Pass
			RB50#0	21.01	-4	-6.15	14.86	0.031	3.00	Pass
	HCH	QPSK	RB1#0	22.95	-4	-6.15	16.80	0.048	3.00	Pass
			RB1#25	22.92	-4	-6.15	16.77	0.048	3.00	Pass
			RB1#49	22.84	-4	-6.15	16.69	0.047	3.00	Pass
			RB25#0	21.99	-4	-6.15	15.84	0.038	3.00	Pass
			RB25#13	21.94	-4	-6.15	15.79	0.038	3.00	Pass
			RB25#25	21.98	-4	-6.15	15.83	0.038	3.00	Pass
			RB50#0	21.96	-4	-6.15	15.81	0.038	3.00	Pass
		16-QAM	RB1#0	22.03	-4	-6.15	15.88	0.039	3.00	Pass
			RB1#25	21.95	-4	-6.15	15.80	0.038	3.00	Pass
			RB1#49	21.89	-4	-6.15	15.74	0.037	3.00	Pass
			RB25#0	21.05	-4	-6.15	14.90	0.031	3.00	Pass
			RB25#13	21.05	-4	-6.15	14.90	0.031	3.00	Pass
			RB25#25	21.09	-4	-6.15	14.94	0.031	3.00	Pass
			RB50#0	20.98	-4	-6.15	14.83	0.030	3.00	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 BAND17										
5 MHz	LCH	QPSK	RB1#0	22.91	-4	-6.15	16.76	0.047	3.00	Pass
			RB1#13	22.95	-4	-6.15	16.80	0.048	3.00	Pass
			RB1#24	22.83	-4	-6.15	16.68	0.047	3.00	Pass
			RB12#0	21.99	-4	-6.15	15.84	0.038	3.00	Pass
			RB12#6	22.02	-4	-6.15	15.87	0.039	3.00	Pass
			RB12#13	21.97	-4	-6.15	15.82	0.038	3.00	Pass
			RB25#0	22.01	-4	-6.15	15.86	0.039	3.00	Pass
		16-QAM	RB1#0	22.1	-4	-6.15	15.95	0.039	3.00	Pass
			RB1#13	22.16	-4	-6.15	16.01	0.040	3.00	Pass
			RB1#24	22.05	-4	-6.15	15.90	0.039	3.00	Pass
			RB12#0	21.11	-4	-6.15	14.96	0.031	3.00	Pass
			RB12#6	21.11	-4	-6.15	14.96	0.031	3.00	Pass
			RB12#13	21.07	-4	-6.15	14.92	0.031	3.00	Pass
			RB25#0	21.03	-4	-6.15	14.88	0.031	3.00	Pass
	MCH	QPSK	RB1#0	22.86	-4	-6.15	16.71	0.047	3.00	Pass
			RB1#13	22.94	-4	-6.15	16.79	0.048	3.00	Pass
			RB1#24	22.88	-4	-6.15	16.73	0.047	3.00	Pass
			RB12#0	21.91	-4	-6.15	15.76	0.038	3.00	Pass
			RB12#6	22.02	-4	-6.15	15.87	0.039	3.00	Pass
			RB12#13	21.98	-4	-6.15	15.83	0.038	3.00	Pass
			RB25#0	21.99	-4	-6.15	15.84	0.038	3.00	Pass
		16-QAM	RB1#0	22.47	-4	-6.15	16.32	0.043	3.00	Pass
			RB1#13	22.53	-4	-6.15	16.38	0.043	3.00	Pass
			RB1#24	22.46	-4	-6.15	16.31	0.043	3.00	Pass
			RB12#0	21.07	-4	-6.15	14.92	0.031	3.00	Pass
			RB12#6	21.16	-4	-6.15	15.01	0.032	3.00	Pass
			RB12#13	21.17	-4	-6.15	15.02	0.032	3.00	Pass
			RB25#0	21.05	-4	-6.15	14.90	0.031	3.00	Pass
	HCH	QPSK	RB1#0	22.89	-4	-6.15	16.74	0.047	3.00	Pass
			RB1#13	22.9	-4	-6.15	16.75	0.047	3.00	Pass
			RB1#24	22.87	-4	-6.15	16.72	0.047	3.00	Pass
			RB12#0	21.91	-4	-6.15	15.76	0.038	3.00	Pass
			RB12#6	22.03	-4	-6.15	15.88	0.039	3.00	Pass
			RB12#13	21.99	-4	-6.15	15.84	0.038	3.00	Pass
			RB25#0	21.91	-4	-6.15	15.76	0.038	3.00	Pass
		16-QAM	RB1#0	22.06	-4	-6.15	15.91	0.039	3.00	Pass
			RB1#13	22.15	-4	-6.15	16.00	0.040	3.00	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 BAND17										
			RB1#24	22.04	-4	-6.15	15.89	0.039	3.00	Pass
			RB12#0	21.01	-4	-6.15	14.86	0.031	3.00	Pass
			RB12#6	21.08	-4	-6.15	14.93	0.031	3.00	Pass
			RB12#13	21.07	-4	-6.15	14.92	0.031	3.00	Pass
			RB25#0	20.91	-4	-6.15	14.76	0.030	3.00	Pass
10 MHz	LCH	QPSK	RB1#0	22.9	-4	-6.15	16.75	0.047	3.00	Pass
			RB1#25	22.87	-4	-6.15	16.72	0.047	3.00	Pass
			RB1#49	22.86	-4	-6.15	16.71	0.047	3.00	Pass
			RB25#0	21.93	-4	-6.15	15.78	0.038	3.00	Pass
			RB25#13	21.98	-4	-6.15	15.83	0.038	3.00	Pass
			RB25#25	21.96	-4	-6.15	15.81	0.038	3.00	Pass
			RB50#0	22.01	-4	-6.15	15.86	0.039	3.00	Pass
		16-QAM	RB1#0	21.87	-4	-6.15	15.72	0.037	3.00	Pass
			RB1#25	21.85	-4	-6.15	15.70	0.037	3.00	Pass
			RB1#49	21.8	-4	-6.15	15.65	0.037	3.00	Pass
			RB25#0	20.97	-4	-6.15	14.82	0.030	3.00	Pass
			RB25#13	21.05	-4	-6.15	14.90	0.031	3.00	Pass
			RB25#25	21.02	-4	-6.15	14.87	0.031	3.00	Pass
			RB50#0	21.01	-4	-6.15	14.86	0.031	3.00	Pass
	MCH	QPSK	RB1#0	22.88	-4	-6.15	16.73	0.047	3.00	Pass
			RB1#25	22.81	-4	-6.15	16.66	0.046	3.00	Pass
			RB1#49	22.75	-4	-6.15	16.60	0.046	3.00	Pass
			RB25#0	21.89	-4	-6.15	15.74	0.037	3.00	Pass
			RB25#13	22.02	-4	-6.15	15.87	0.039	3.00	Pass
			RB25#25	21.96	-4	-6.15	15.81	0.038	3.00	Pass
			RB50#0	22	-4	-6.15	15.85	0.038	3.00	Pass
		16-QAM	RB1#0	22.37	-4	-6.15	16.22	0.042	3.00	Pass
			RB1#25	22.33	-4	-6.15	16.18	0.041	3.00	Pass
			RB1#49	22.3	-4	-6.15	16.15	0.041	3.00	Pass
			RB25#0	20.98	-4	-6.15	14.83	0.030	3.00	Pass
			RB25#13	21.06	-4	-6.15	14.91	0.031	3.00	Pass
			RB25#25	21.04	-4	-6.15	14.89	0.031	3.00	Pass
			RB50#0	21.04	-4	-6.15	14.89	0.031	3.00	Pass
	HCH	QPSK	RB1#0	22.96	-4	-6.15	16.81	0.048	3.00	Pass
			RB1#25	22.89	-4	-6.15	16.74	0.047	3.00	Pass
			RB1#49	22.88	-4	-6.15	16.73	0.047	3.00	Pass
			RB25#0	21.94	-4	-6.15	15.79	0.038	3.00	Pass
			RB25#13	22.03	-4	-6.15	15.88	0.039	3.00	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 BAND17										
			RB25#25	21.97	-4	-6.15	15.82	0.038	3.00	Pass
			RB50#0	22.04	-4	-6.15	15.89	0.039	3.00	Pass
		16-QAM	RB1#0	22.01	-4	-6.15	15.86	0.039	3.00	Pass
			RB1#25	21.98	-4	-6.15	15.83	0.038	3.00	Pass
			RB1#49	21.92	-4	-6.15	15.77	0.038	3.00	Pass
			RB25#0	21.1	-4	-6.15	14.95	0.031	3.00	Pass
			RB25#13	21.16	-4	-6.15	15.01	0.032	3.00	Pass
			RB25#25	21.08	-4	-6.15	14.93	0.031	3.00	Pass
			RB50#0	21.09	-4	-6.15	14.94	0.031	3.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part22)									
1.4 MHz	LCH	QPSK	RB1#0	23.95	-3.7	18.10	0.065	7.0	Pass
			RB1#3	24.08	-3.7	18.23	0.067	7.0	Pass
			RB1#5	23.92	-3.7	18.07	0.064	7.0	Pass
			RB3#0	23.95	-3.7	18.10	0.065	7.0	Pass
			RB3#2	23.89	-3.7	18.04	0.064	7.0	Pass
			RB3#3	23.94	-3.7	18.09	0.064	7.0	Pass
			RB6#0	22.98	-3.7	17.13	0.052	7.0	Pass
		16-QAM	RB1#0	23.09	-3.7	17.24	0.053	7.0	Pass
			RB1#3	23.19	-3.7	17.34	0.054	7.0	Pass
			RB1#5	23.17	-3.7	17.32	0.054	7.0	Pass
			RB3#0	23.09	-3.7	17.24	0.053	7.0	Pass
			RB3#2	23.12	-3.7	17.27	0.053	7.0	Pass
			RB3#3	23.09	-3.7	17.24	0.053	7.0	Pass
			RB6#0	22.17	-3.7	16.32	0.043	7.0	Pass
	MCH	QPSK	RB1#0	23.92	-3.7	18.07	0.064	7.0	Pass
			RB1#3	23.92	-3.7	18.07	0.064	7.0	Pass
			RB1#5	23.88	-3.7	18.03	0.064	7.0	Pass
			RB3#0	23.94	-3.7	18.09	0.064	7.0	Pass
			RB3#2	23.94	-3.7	18.09	0.064	7.0	Pass
			RB3#3	23.94	-3.7	18.09	0.064	7.0	Pass
			RB6#0	22.99	-3.7	17.14	0.052	7.0	Pass
		16-QAM	RB1#0	23.38	-3.7	17.53	0.057	7.0	Pass
			RB1#3	23.38	-3.7	17.53	0.057	7.0	Pass
			RB1#5	23.37	-3.7	17.52	0.056	7.0	Pass
			RB3#0	23.25	-3.7	17.40	0.055	7.0	Pass
			RB3#2	23.25	-3.7	17.40	0.055	7.0	Pass
			RB3#3	23.18	-3.7	17.33	0.054	7.0	Pass
			RB6#0	21.91	-3.7	16.06	0.040	7.0	Pass
	HCH	QPSK	RB1#0	23.87	-3.7	18.02	0.063	7.0	Pass
			RB1#3	23.94	-3.7	18.09	0.064	7.0	Pass
			RB1#5	23.84	-3.7	17.99	0.063	7.0	Pass
			RB3#0	23.87	-3.7	18.02	0.063	7.0	Pass
			RB3#2	23.93	-3.7	18.08	0.064	7.0	Pass
			RB3#3	23.86	-3.7	18.01	0.063	7.0	Pass
			RB6#0	22.89	-3.7	17.04	0.051	7.0	Pass
		16-QAM	RB1#0	22.89	-3.7	17.04	0.051	7.0	Pass
			RB1#3	23.01	-3.7	17.16	0.052	7.0	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part22)									
			RB1#5	22.94	-3.7	17.09	0.051	7.0	Pass
			RB3#0	23.12	-3.7	17.27	0.053	7.0	Pass
			RB3#2	23.21	-3.7	17.36	0.054	7.0	Pass
			RB3#3	23.14	-3.7	17.29	0.054	7.0	Pass
			RB6#0	22.09	-3.7	16.24	0.042	7.0	Pass
3 MHz	LCH	QPSK	RB1#0	23.99	-3.7	18.14	0.065	7.0	Pass
			RB1#7	24.07	-3.7	18.22	0.066	7.0	Pass
			RB1#14	23.99	-3.7	18.14	0.065	7.0	Pass
			RB8#0	23.08	-3.7	17.23	0.053	7.0	Pass
			RB8#4	23.12	-3.7	17.27	0.053	7.0	Pass
			RB8#7	23.06	-3.7	17.21	0.053	7.0	Pass
			RB15#0	23.08	-3.7	17.23	0.053	7.0	Pass
		16-QAM	RB1#0	23	-3.7	17.15	0.052	7.0	Pass
			RB1#7	23.04	-3.7	17.19	0.052	7.0	Pass
			RB1#14	22.97	-3.7	17.12	0.052	7.0	Pass
			RB8#0	22.22	-3.7	16.37	0.043	7.0	Pass
			RB8#4	22.21	-3.7	16.36	0.043	7.0	Pass
			RB8#7	22.19	-3.7	16.34	0.043	7.0	Pass
			RB15#0	22.14	-3.7	16.29	0.043	7.0	Pass
	MCH	QPSK	RB1#0	24.04	-3.7	18.19	0.066	7.0	Pass
			RB1#7	24.08	-3.7	18.23	0.067	7.0	Pass
			RB1#14	24.03	-3.7	18.18	0.066	7.0	Pass
			RB8#0	23.05	-3.7	17.20	0.052	7.0	Pass
			RB8#4	23.07	-3.7	17.22	0.053	7.0	Pass
			RB8#7	23.09	-3.7	17.24	0.053	7.0	Pass
			RB15#0	23.08	-3.7	17.23	0.053	7.0	Pass
		16-QAM	RB1#0	23.45	-3.7	17.60	0.058	7.0	Pass
			RB1#7	23.52	-3.7	17.67	0.058	7.0	Pass
			RB1#14	23.43	-3.7	17.58	0.057	7.0	Pass
			RB8#0	21.99	-3.7	16.14	0.041	7.0	Pass
			RB8#4	22.13	-3.7	16.28	0.042	7.0	Pass
			RB8#7	22.14	-3.7	16.29	0.043	7.0	Pass
			RB15#0	22.1	-3.7	16.25	0.042	7.0	Pass
	HCH	QPSK	RB1#0	23.99	-3.7	18.14	0.065	7.0	Pass
			RB1#7	24	-3.7	18.15	0.065	7.0	Pass
			RB1#14	23.95	-3.7	18.10	0.065	7.0	Pass
			RB8#0	23.02	-3.7	17.17	0.052	7.0	Pass
			RB8#4	23.06	-3.7	17.21	0.053	7.0	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part22)									
			RB8#7	22.98	-3.7	17.13	0.052	7.0	Pass
			RB15#0	23.04	-3.7	17.19	0.052	7.0	Pass
		16-QAM	RB1#0	23.1	-3.7	17.25	0.053	7.0	Pass
			RB1#7	23.1	-3.7	17.25	0.053	7.0	Pass
			RB1#14	23.04	-3.7	17.19	0.052	7.0	Pass
			RB8#0	22.06	-3.7	16.21	0.042	7.0	Pass
			RB8#4	22.11	-3.7	16.26	0.042	7.0	Pass
			RB8#7	22.01	-3.7	16.16	0.041	7.0	Pass
			RB15#0	22.01	-3.7	16.16	0.041	7.0	Pass
5 MHz	LCH	QPSK	RB1#0	24.02	-3.7	18.17	0.066	7.0	Pass
			RB1#13	24.07	-3.7	18.22	0.066	7.0	Pass
			RB1#24	23.95	-3.7	18.10	0.065	7.0	Pass
			RB12#0	23.02	-3.7	17.17	0.052	7.0	Pass
			RB12#6	23.12	-3.7	17.27	0.053	7.0	Pass
			RB12#13	23.06	-3.7	17.21	0.053	7.0	Pass
			RB25#0	23.07	-3.7	17.22	0.053	7.0	Pass
		16-QAM	RB1#0	23.27	-3.7	17.42	0.055	7.0	Pass
			RB1#13	23.29	-3.7	17.44	0.055	7.0	Pass
			RB1#24	23.22	-3.7	17.37	0.055	7.0	Pass
			RB12#0	22.09	-3.7	16.24	0.042	7.0	Pass
			RB12#6	22.19	-3.7	16.34	0.043	7.0	Pass
			RB12#13	22.13	-3.7	16.28	0.042	7.0	Pass
			RB25#0	22.12	-3.7	16.27	0.042	7.0	Pass
	MCH	QPSK	RB1#0	24.05	-3.7	18.20	0.066	7.0	Pass
			RB1#13	24.04	-3.7	18.19	0.066	7.0	Pass
			RB1#24	24.01	-3.7	18.16	0.065	7.0	Pass
			RB12#0	23.02	-3.7	17.17	0.052	7.0	Pass
			RB12#6	23.1	-3.7	17.25	0.053	7.0	Pass
			RB12#13	23.06	-3.7	17.21	0.053	7.0	Pass
			RB25#0	23.05	-3.7	17.20	0.052	7.0	Pass
		16-QAM	RB1#0	23.64	-3.7	17.79	0.060	7.0	Pass
			RB1#13	23.62	-3.7	17.77	0.060	7.0	Pass
			RB1#24	23.57	-3.7	17.72	0.059	7.0	Pass
			RB12#0	22.17	-3.7	16.32	0.043	7.0	Pass
			RB12#6	22.29	-3.7	16.44	0.044	7.0	Pass
			RB12#13	22.23	-3.7	16.38	0.043	7.0	Pass
			RB25#0	22.16	-3.7	16.31	0.043	7.0	Pass
	HCH	QPSK	RB1#0	24.04	-3.7	18.19	0.066	7.0	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part22)									
			RB1#13	24.02	-3.7	18.17	0.066	7.0	Pass
			RB1#24	23.94	-3.7	18.09	0.064	7.0	Pass
			RB12#0	23.06	-3.7	17.21	0.053	7.0	Pass
			RB12#6	23.05	-3.7	17.20	0.052	7.0	Pass
			RB12#13	23.02	-3.7	17.17	0.052	7.0	Pass
			RB25#0	23.05	-3.7	17.20	0.052	7.0	Pass
		16-QAM	RB1#0	23.23	-3.7	17.38	0.055	7.0	Pass
			RB1#13	23.22	-3.7	17.37	0.055	7.0	Pass
			RB1#24	23.16	-3.7	17.31	0.054	7.0	Pass
			RB12#0	22.13	-3.7	16.28	0.042	7.0	Pass
			RB12#6	22.1	-3.7	16.25	0.042	7.0	Pass
			RB12#13	22.07	-3.7	16.22	0.042	7.0	Pass
			RB25#0	21.99	-3.7	16.14	0.041	7.0	Pass
10 MHz	LCH	QPSK	RB1#0	24.03	-3.7	18.18	0.066	7.0	Pass
			RB1#25	23.96	-3.7	18.11	0.065	7.0	Pass
			RB1#49	23.93	-3.7	18.08	0.064	7.0	Pass
			RB25#0	23.09	-3.7	17.24	0.053	7.0	Pass
			RB25#13	23.1	-3.7	17.25	0.053	7.0	Pass
			RB25#25	23.08	-3.7	17.23	0.053	7.0	Pass
			RB50#0	23.09	-3.7	17.24	0.053	7.0	Pass
		16-QAM	RB1#0	23.01	-3.7	17.16	0.052	7.0	Pass
			RB1#25	22.9	-3.7	17.05	0.051	7.0	Pass
			RB1#49	22.98	-3.7	17.13	0.052	7.0	Pass
			RB25#0	22.1	-3.7	16.25	0.042	7.0	Pass
			RB25#13	22.18	-3.7	16.33	0.043	7.0	Pass
			RB25#25	22.11	-3.7	16.26	0.042	7.0	Pass
			RB50#0	22.14	-3.7	16.29	0.043	7.0	Pass
	MCH	QPSK	RB1#0	24.02	-3.7	18.17	0.066	7.0	Pass
			RB1#25	23.94	-3.7	18.09	0.064	7.0	Pass
			RB1#49	23.89	-3.7	18.04	0.064	7.0	Pass
			RB25#0	23.06	-3.7	17.21	0.053	7.0	Pass
			RB25#13	23.11	-3.7	17.26	0.053	7.0	Pass
			RB25#25	23.07	-3.7	17.22	0.053	7.0	Pass
			RB50#0	23.15	-3.7	17.30	0.054	7.0	Pass
		16-QAM	RB1#0	23.5	-3.7	17.65	0.058	7.0	Pass
			RB1#25	23.47	-3.7	17.62	0.058	7.0	Pass
			RB1#49	23.46	-3.7	17.61	0.058	7.0	Pass
			RB25#0	22.14	-3.7	16.29	0.043	7.0	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part22)									
			RB25#13	22.19	-3.7	16.34	0.043	7.0	Pass
			RB25#25	22.14	-3.7	16.29	0.043	7.0	Pass
			RB50#0	22.15	-3.7	16.30	0.043	7.0	Pass
	HCH	QPSK	RB1#0	24.06	-3.7	18.21	0.066	7.0	Pass
			RB1#25	24	-3.7	18.15	0.065	7.0	Pass
			RB1#49	23.89	-3.7	18.04	0.064	7.0	Pass
			RB25#0	23.07	-3.7	17.22	0.053	7.0	Pass
			RB25#13	23.04	-3.7	17.19	0.052	7.0	Pass
			RB25#25	23.04	-3.7	17.19	0.052	7.0	Pass
			RB50#0	23.05	-3.7	17.20	0.052	7.0	Pass
		16-QAM	RB1#0	23.07	-3.7	17.22	0.053	7.0	Pass
			RB1#25	22.99	-3.7	17.14	0.052	7.0	Pass
			RB1#49	22.95	-3.7	17.10	0.051	7.0	Pass
			RB25#0	22.15	-3.7	16.30	0.043	7.0	Pass
			RB25#13	22.17	-3.7	16.32	0.043	7.0	Pass
			RB25#25	22.13	-3.7	16.28	0.042	7.0	Pass
			RB50#0	22.06	-3.7	16.21	0.042	7.0	Pass
15 MHz	LCH	QPSK	RB1#0	23.89	-3.7	18.04	0.064	7.0	Pass
			RB1#38	23.83	-3.7	17.98	0.063	7.0	Pass
			RB1#74	23.8	-3.7	17.95	0.062	7.0	Pass
			RB36#0	22.96	-3.7	17.11	0.051	7.0	Pass
			RB36#19	22.95	-3.7	17.10	0.051	7.0	Pass
			RB36#39	22.92	-3.7	17.07	0.051	7.0	Pass
			RB75#0	22.94	-3.7	17.09	0.051	7.0	Pass
		16-QAM	RB1#0	22.92	-3.7	17.07	0.051	7.0	Pass
			RB1#38	22.76	-3.7	16.91	0.049	7.0	Pass
			RB1#74	22.78	-3.7	16.93	0.049	7.0	Pass
			RB36#0	21.98	-3.7	16.13	0.041	7.0	Pass
			RB36#19	21.95	-3.7	16.10	0.041	7.0	Pass
			RB36#39	21.93	-3.7	16.08	0.041	7.0	Pass
			RB75#0	21.98	-3.7	16.13	0.041	7.0	Pass
	MCH	QPSK	RB1#0	23.93	-3.7	18.08	0.064	7.0	Pass
			RB1#38	23.85	-3.7	18.00	0.063	7.0	Pass
			RB1#74	23.77	-3.7	17.92	0.062	7.0	Pass
			RB36#0	22.96	-3.7	17.11	0.051	7.0	Pass
			RB36#19	23	-3.7	17.15	0.052	7.0	Pass
			RB36#39	22.94	-3.7	17.09	0.051	7.0	Pass
			RB75#0	22.96	-3.7	17.11	0.051	7.0	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part22)									
		16-QAM	RB1#0	23.38	-3.7	17.53	0.057	7.0	Pass
			RB1#38	23.3	-3.7	17.45	0.056	7.0	Pass
			RB1#74	23.22	-3.7	17.37	0.055	7.0	Pass
			RB36#0	22	-3.7	16.15	0.041	7.0	Pass
			RB36#19	22.08	-3.7	16.23	0.042	7.0	Pass
			RB36#39	22	-3.7	16.15	0.041	7.0	Pass
			RB75#0	22	-3.7	16.15	0.041	7.0	Pass
	HCH	QPSK	RB1#0	23.98	-3.7	18.13	0.065	7.0	Pass
			RB1#38	23.83	-3.7	17.98	0.063	7.0	Pass
			RB1#74	23.74	-3.7	17.89	0.062	7.0	Pass
			RB36#0	22.94	-3.7	17.09	0.051	7.0	Pass
			RB36#19	22.94	-3.7	17.09	0.051	7.0	Pass
			RB36#39	22.91	-3.7	17.06	0.051	7.0	Pass
			RB75#0	22.9	-3.7	17.05	0.051	7.0	Pass
		16-QAM	RB1#0	23.29	-3.7	17.44	0.055	7.0	Pass
			RB1#38	23.13	-3.7	17.28	0.053	7.0	Pass
			RB1#74	22.99	-3.7	17.14	0.052	7.0	Pass
			RB36#0	21.92	-3.7	16.07	0.040	7.0	Pass
			RB36#19	21.95	-3.7	16.10	0.041	7.0	Pass
			RB36#39	21.9	-3.7	16.05	0.040	7.0	Pass
			RB75#0	21.87	-3.7	16.02	0.040	7.0	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part90)									
1.4 MHz	LCH	QPSK	RB1#0	23.96	-3.7	18.11	0.065	100	Pass
			RB1#3	24.08	-3.7	18.23	0.067	100	Pass
			RB1#5	23.97	-3.7	18.12	0.065	100	Pass
			RB3#0	24.05	-3.7	18.20	0.066	100	Pass
			RB3#2	24.06	-3.7	18.21	0.066	100	Pass
			RB3#3	24.02	-3.7	18.17	0.066	100	Pass
			RB6#0	23.08	-3.7	17.23	0.053	100	Pass
		16-QAM	RB1#0	23.22	-3.7	17.37	0.055	100	Pass
			RB1#3	23.32	-3.7	17.47	0.056	100	Pass
			RB1#5	23.2	-3.7	17.35	0.054	100	Pass
			RB3#0	23.09	-3.7	17.24	0.053	100	Pass
			RB3#2	23.18	-3.7	17.33	0.054	100	Pass
			RB3#3	23.1	-3.7	17.25	0.053	100	Pass
			RB6#0	22.24	-3.7	16.39	0.044	100	Pass
	MCH	QPSK	RB1#0	23.91	-3.7	18.06	0.064	100	Pass
			RB1#3	24	-3.7	18.15	0.065	100	Pass
			RB1#5	23.9	-3.7	18.05	0.064	100	Pass
			RB3#0	23.98	-3.7	18.13	0.065	100	Pass
			RB3#2	24.11	-3.7	18.26	0.067	100	Pass
			RB3#3	23.96	-3.7	18.11	0.065	100	Pass
			RB6#0	23.03	-3.7	17.18	0.052	100	Pass
		16-QAM	RB1#0	23.39	-3.7	17.54	0.057	100	Pass
			RB1#3	23.46	-3.7	17.61	0.058	100	Pass
			RB1#5	23.33	-3.7	17.48	0.056	100	Pass
			RB3#0	23.25	-3.7	17.40	0.055	100	Pass
			RB3#2	23.26	-3.7	17.41	0.055	100	Pass
			RB3#3	23.22	-3.7	17.37	0.055	100	Pass
			RB6#0	21.94	-3.7	16.09	0.041	100	Pass
	HCH	QPSK	RB1#0	23.95	-3.7	18.10	0.065	100	Pass
			RB1#3	24.07	-3.7	18.22	0.066	100	Pass
			RB1#5	23.96	-3.7	18.11	0.065	100	Pass
			RB3#0	23.99	-3.7	18.14	0.065	100	Pass
			RB3#2	24.04	-3.7	18.19	0.066	100	Pass
			RB3#3	23.95	-3.7	18.10	0.065	100	Pass
			RB6#0	23.01	-3.7	17.16	0.052	100	Pass
		16-QAM	RB1#0	23	-3.7	17.15	0.052	100	Pass
			RB1#3	23.1	-3.7	17.25	0.053	100	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part90)									
			RB1#5	23.03	-3.7	17.18	0.052	100	Pass
			RB3#0	23.24	-3.7	17.39	0.055	100	Pass
			RB3#2	23.31	-3.7	17.46	0.056	100	Pass
			RB3#3	23.2	-3.7	17.35	0.054	100	Pass
			RB6#0	22.18	-3.7	16.33	0.043	100	Pass
3 MHz	LCH	QPSK	RB1#0	24.11	-3.7	18.26	0.067	100	Pass
			RB1#7	24.18	-3.7	18.33	0.068	100	Pass
			RB1#14	24.06	-3.7	18.21	0.066	100	Pass
			RB8#0	23.19	-3.7	17.34	0.054	100	Pass
			RB8#4	23.2	-3.7	17.35	0.054	100	Pass
			RB8#7	23.17	-3.7	17.32	0.054	100	Pass
			RB15#0	23.16	-3.7	17.31	0.054	100	Pass
		16-QAM	RB1#0	23.12	-3.7	17.27	0.053	100	Pass
			RB1#7	22.97	-3.7	17.12	0.052	100	Pass
			RB1#14	22.87	-3.7	17.02	0.050	100	Pass
			RB8#0	22.27	-3.7	16.42	0.044	100	Pass
			RB8#4	22.33	-3.7	16.48	0.044	100	Pass
			RB8#7	22.31	-3.7	16.46	0.044	100	Pass
			RB15#0	22.22	-3.7	16.37	0.043	100	Pass
	MCH	QPSK	RB1#0	24.13	-3.7	18.28	0.067	100	Pass
			RB1#7	24.12	-3.7	18.27	0.067	100	Pass
			RB1#14	24.11	-3.7	18.26	0.067	100	Pass
			RB8#0	23.16	-3.7	17.31	0.054	100	Pass
			RB8#4	23.15	-3.7	17.30	0.054	100	Pass
			RB8#7	23.14	-3.7	17.29	0.054	100	Pass
			RB15#0	23.12	-3.7	17.27	0.053	100	Pass
		16-QAM	RB1#0	23.53	-3.7	17.68	0.059	100	Pass
			RB1#7	23.58	-3.7	17.73	0.059	100	Pass
			RB1#14	23.46	-3.7	17.61	0.058	100	Pass
			RB8#0	22.14	-3.7	16.29	0.043	100	Pass
			RB8#4	22.21	-3.7	16.36	0.043	100	Pass
			RB8#7	22.13	-3.7	16.28	0.042	100	Pass
			RB15#0	22.16	-3.7	16.31	0.043	100	Pass
	HCH	QPSK	RB1#0	24.01	-3.7	18.16	0.065	100	Pass
			RB1#7	24.11	-3.7	18.26	0.067	100	Pass
			RB1#14	24.03	-3.7	18.18	0.066	100	Pass
			RB8#0	23.02	-3.7	17.17	0.052	100	Pass
			RB8#4	23.15	-3.7	17.30	0.054	100	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part90)									
			RB8#7	23.06	-3.7	17.21	0.053	100	Pass
			RB15#0	23.07	-3.7	17.22	0.053	100	Pass
		16-QAM	RB1#0	23.13	-3.7	17.28	0.053	100	Pass
			RB1#7	23.13	-3.7	17.28	0.053	100	Pass
			RB1#14	23.07	-3.7	17.22	0.053	100	Pass
			RB8#0	22.09	-3.7	16.24	0.042	100	Pass
			RB8#4	22.17	-3.7	16.32	0.043	100	Pass
			RB8#7	22.07	-3.7	16.22	0.042	100	Pass
			RB15#0	22.05	-3.7	16.20	0.042	100	Pass
5 MHz	LCH	QPSK	RB1#0	24.12	-3.7	18.27	0.067	100	Pass
			RB1#13	24.09	-3.7	18.24	0.067	100	Pass
			RB1#24	24.06	-3.7	18.21	0.066	100	Pass
			RB12#0	23.21	-3.7	17.36	0.054	100	Pass
			RB12#6	23.2	-3.7	17.35	0.054	100	Pass
			RB12#13	23.14	-3.7	17.29	0.054	100	Pass
			RB25#0	22.89	-3.7	17.04	0.051	100	Pass
		16-QAM	RB1#0	23.01	-3.7	17.16	0.052	100	Pass
			RB1#13	22.7	-3.7	16.85	0.048	100	Pass
			RB1#24	22.86	-3.7	17.01	0.050	100	Pass
			RB12#0	22.28	-3.7	16.43	0.044	100	Pass
			RB12#6	22.29	-3.7	16.44	0.044	100	Pass
			RB12#13	22.23	-3.7	16.38	0.043	100	Pass
			RB25#0	22.22	-3.7	16.37	0.043	100	Pass
	MCH	QPSK	RB1#0	24.11	-3.7	18.26	0.067	100	Pass
			RB1#13	24.12	-3.7	18.27	0.067	100	Pass
			RB1#24	24	-3.7	18.15	0.065	100	Pass
			RB12#0	23.16	-3.7	17.31	0.054	100	Pass
			RB12#6	23.18	-3.7	17.33	0.054	100	Pass
			RB12#13	23.11	-3.7	17.26	0.053	100	Pass
			RB25#0	23.15	-3.7	17.30	0.054	100	Pass
		16-QAM	RB1#0	23.71	-3.7	17.86	0.061	100	Pass
			RB1#13	23.7	-3.7	17.85	0.061	100	Pass
			RB1#24	23.58	-3.7	17.73	0.059	100	Pass
			RB12#0	22.32	-3.7	16.47	0.044	100	Pass
			RB12#6	22.34	-3.7	16.49	0.045	100	Pass
			RB12#13	22.29	-3.7	16.44	0.044	100	Pass
			RB25#0	22.21	-3.7	16.36	0.043	100	Pass
	HCH	QPSK	RB1#0	24.09	-3.7	18.24	0.067	100	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26 (Part90)									
			RB1#13	24.1	-3.7	18.25	0.067	100	Pass
			RB1#24	24.04	-3.7	18.19	0.066	100	Pass
			RB12#0	23.09	-3.7	17.24	0.053	100	Pass
			RB12#6	23.14	-3.7	17.29	0.054	100	Pass
			RB12#13	23.11	-3.7	17.26	0.053	100	Pass
			RB25#0	23.11	-3.7	17.26	0.053	100	Pass
		16-QAM	RB1#0	23.27	-3.7	17.42	0.055	100	Pass
			RB1#13	23.35	-3.7	17.50	0.056	100	Pass
			RB1#24	23.17	-3.7	17.32	0.054	100	Pass
			RB12#0	22.16	-3.7	16.31	0.043	100	Pass
			RB12#6	22.2	-3.7	16.35	0.043	100	Pass
			RB12#13	22.2	-3.7	16.35	0.043	100	Pass
			RB25#0	22.11	-3.7	16.26	0.042	100	Pass
10 MHz	MCH	QPSK	RB1#0	24.15	-3.7	18.30	0.068	100	Pass
			RB1#25	24.02	-3.7	18.17	0.066	100	Pass
			RB1#49	24.01	-3.7	18.16	0.065	100	Pass
			RB25#0	23.22	-3.7	17.37	0.055	100	Pass
			RB25#13	23.18	-3.7	17.33	0.054	100	Pass
			RB25#25	23.13	-3.7	17.28	0.053	100	Pass
			RB50#0	23.2	-3.7	17.35	0.054	100	Pass
		16-QAM	RB1#0	23.13	-3.7	17.28	0.053	100	Pass
			RB1#25	22.97	-3.7	17.12	0.052	100	Pass
			RB1#49	22.96	-3.7	17.11	0.051	100	Pass
			RB25#0	22.28	-3.7	16.43	0.044	100	Pass
			RB25#13	22.21	-3.7	16.36	0.043	100	Pass
			RB25#25	22.14	-3.7	16.29	0.043	100	Pass
			RB50#0	22.18	-3.7	16.33	0.043	100	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND38									
5 MHz	LCH	QPSK	RB1#0	22.67	-3.7	18.97	0.079	2.00	Pass
			RB1#13	22.73	-3.7	19.03	0.080	2.00	Pass
			RB1#24	22.76	-3.7	19.06	0.081	2.00	Pass
			RB12#0	21.78	-3.7	18.08	0.064	2.00	Pass
			RB12#6	21.8	-3.7	18.10	0.065	2.00	Pass
			RB12#13	21.79	-3.7	18.09	0.064	2.00	Pass
			RB25#0	21.74	-3.7	18.04	0.064	2.00	Pass
		16-QAM	RB1#0	21.99	-3.7	18.29	0.067	2.00	Pass
			RB1#13	22.12	-3.7	18.42	0.070	2.00	Pass
			RB1#24	22.08	-3.7	18.38	0.069	2.00	Pass
			RB12#0	20.8	-3.7	17.10	0.051	2.00	Pass
			RB12#6	20.81	-3.7	17.11	0.051	2.00	Pass
			RB12#13	20.79	-3.7	17.09	0.051	2.00	Pass
			RB25#0	20.78	-3.7	17.08	0.051	2.00	Pass
	MCH	QPSK	RB1#0	22.8	-3.7	19.10	0.081	2.00	Pass
			RB1#13	22.89	-3.7	19.19	0.083	2.00	Pass
			RB1#24	22.84	-3.7	19.14	0.082	2.00	Pass
			RB12#0	21.83	-3.7	18.13	0.065	2.00	Pass
			RB12#6	21.85	-3.7	18.15	0.065	2.00	Pass
			RB12#13	21.74	-3.7	18.04	0.064	2.00	Pass
			RB25#0	21.75	-3.7	18.05	0.064	2.00	Pass
		16-QAM	RB1#0	22.28	-3.7	18.58	0.072	2.00	Pass
			RB1#13	22.24	-3.7	18.54	0.071	2.00	Pass
			RB1#24	22.25	-3.7	18.55	0.072	2.00	Pass
			RB12#0	20.95	-3.7	17.25	0.053	2.00	Pass
			RB12#6	21.01	-3.7	17.31	0.054	2.00	Pass
			RB12#13	20.89	-3.7	17.19	0.052	2.00	Pass
			RB25#0	20.79	-3.7	17.09	0.051	2.00	Pass
	HCH	QPSK	RB1#0	22.75	-3.7	19.05	0.080	2.00	Pass
			RB1#13	22.76	-3.7	19.06	0.081	2.00	Pass
			RB1#24	22.68	-3.7	18.98	0.079	2.00	Pass
			RB12#0	21.74	-3.7	18.04	0.064	2.00	Pass
			RB12#6	21.79	-3.7	18.09	0.064	2.00	Pass
			RB12#13	21.76	-3.7	18.06	0.064	2.00	Pass
			RB25#0	21.74	-3.7	18.04	0.064	2.00	Pass
		16-QAM	RB1#0	21.96	-3.7	18.26	0.067	2.00	Pass
			RB1#13	21.96	-3.7	18.26	0.067	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND38									
			RB1#24	21.98	-3.7	18.28	0.067	2.00	Pass
			RB12#0	20.73	-3.7	17.03	0.050	2.00	Pass
			RB12#6	20.82	-3.7	17.12	0.052	2.00	Pass
			RB12#13	20.82	-3.7	17.12	0.052	2.00	Pass
			RB25#0	20.77	-3.7	17.07	0.051	2.00	Pass
10 MHz	LCH	QPSK	RB1#0	22.73	-3.7	19.03	0.080	2.00	Pass
			RB1#25	22.72	-3.7	19.02	0.080	2.00	Pass
			RB1#49	22.71	-3.7	19.01	0.080	2.00	Pass
			RB25#0	21.8	-3.7	18.10	0.065	2.00	Pass
			RB25#13	21.79	-3.7	18.09	0.064	2.00	Pass
			RB25#25	21.78	-3.7	18.08	0.064	2.00	Pass
			RB50#0	21.79	-3.7	18.09	0.064	2.00	Pass
		16-QAM	RB1#0	22.05	-3.7	18.35	0.068	2.00	Pass
			RB1#25	21.95	-3.7	18.25	0.067	2.00	Pass
			RB1#49	21.94	-3.7	18.24	0.067	2.00	Pass
			RB25#0	20.81	-3.7	17.11	0.051	2.00	Pass
			RB25#13	20.82	-3.7	17.12	0.052	2.00	Pass
			RB25#25	20.73	-3.7	17.03	0.050	2.00	Pass
			RB50#0	20.78	-3.7	17.08	0.051	2.00	Pass
	MCH	QPSK	RB1#0	22.86	-3.7	19.16	0.082	2.00	Pass
			RB1#25	22.73	-3.7	19.03	0.080	2.00	Pass
			RB1#49	22.77	-3.7	19.07	0.081	2.00	Pass
			RB25#0	21.84	-3.7	18.14	0.065	2.00	Pass
			RB25#13	21.79	-3.7	18.09	0.064	2.00	Pass
			RB25#25	21.77	-3.7	18.07	0.064	2.00	Pass
			RB50#0	21.75	-3.7	18.05	0.064	2.00	Pass
		16-QAM	RB1#0	22.3	-3.7	18.60	0.072	2.00	Pass
			RB1#25	22.15	-3.7	18.45	0.070	2.00	Pass
			RB1#49	22.21	-3.7	18.51	0.071	2.00	Pass
			RB25#0	20.82	-3.7	17.12	0.052	2.00	Pass
			RB25#13	20.73	-3.7	17.03	0.050	2.00	Pass
			RB25#25	20.76	-3.7	17.06	0.051	2.00	Pass
			RB50#0	20.81	-3.7	17.11	0.051	2.00	Pass
	HCH	QPSK	RB1#0	22.77	-3.7	19.07	0.081	2.00	Pass
			RB1#25	22.87	-3.7	19.17	0.083	2.00	Pass
			RB1#49	22.71	-3.7	19.01	0.080	2.00	Pass
			RB25#0	21.79	-3.7	18.09	0.064	2.00	Pass
			RB25#13	21.84	-3.7	18.14	0.065	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND38									
			RB25#25	21.77	-3.7	18.07	0.064	2.00	Pass
			RB50#0	21.79	-3.7	18.09	0.064	2.00	Pass
		16-QAM	RB1#0	22.21	-3.7	18.51	0.071	2.00	Pass
			RB1#25	22.2	-3.7	18.50	0.071	2.00	Pass
			RB1#49	22.24	-3.7	18.54	0.071	2.00	Pass
			RB25#0	20.81	-3.7	17.11	0.051	2.00	Pass
			RB25#13	20.79	-3.7	17.09	0.051	2.00	Pass
			RB25#25	20.79	-3.7	17.09	0.051	2.00	Pass
			RB50#0	20.85	-3.7	17.15	0.052	2.00	Pass
15 MHz	LCH	QPSK	RB1#0	22.51	-3.7	18.81	0.076	2.00	Pass
			RB1#38	22.44	-3.7	18.74	0.075	2.00	Pass
			RB1#74	22.38	-3.7	18.68	0.074	2.00	Pass
			RB36#0	21.67	-3.7	17.97	0.063	2.00	Pass
			RB36#19	21.63	-3.7	17.93	0.062	2.00	Pass
			RB36#39	21.6	-3.7	17.90	0.062	2.00	Pass
			RB75#0	21.65	-3.7	17.95	0.062	2.00	Pass
		16-QAM	RB1#0	21.8	-3.7	18.10	0.065	2.00	Pass
			RB1#38	21.75	-3.7	18.05	0.064	2.00	Pass
			RB1#74	21.74	-3.7	18.04	0.064	2.00	Pass
			RB36#0	20.65	-3.7	16.95	0.050	2.00	Pass
			RB36#19	20.6	-3.7	16.90	0.049	2.00	Pass
			RB36#39	20.66	-3.7	16.96	0.050	2.00	Pass
			RB75#0	20.65	-3.7	16.95	0.050	2.00	Pass
	MCH	QPSK	RB1#0	22.64	-3.7	18.94	0.078	2.00	Pass
			RB1#38	22.52	-3.7	18.82	0.076	2.00	Pass
			RB1#74	22.44	-3.7	18.74	0.075	2.00	Pass
			RB36#0	21.75	-3.7	18.05	0.064	2.00	Pass
			RB36#19	21.64	-3.7	17.94	0.062	2.00	Pass
			RB36#39	21.6	-3.7	17.90	0.062	2.00	Pass
			RB75#0	21.6	-3.7	17.90	0.062	2.00	Pass
		16-QAM	RB1#0	22.11	-3.7	18.41	0.069	2.00	Pass
			RB1#38	22.03	-3.7	18.33	0.068	2.00	Pass
			RB1#74	21.96	-3.7	18.26	0.067	2.00	Pass
			RB36#0	20.74	-3.7	17.04	0.051	2.00	Pass
			RB36#19	20.61	-3.7	16.91	0.049	2.00	Pass
			RB36#39	20.6	-3.7	16.90	0.049	2.00	Pass
			RB75#0	20.66	-3.7	16.96	0.050	2.00	Pass
	HCH	QPSK	RB1#0	22.6	-3.7	18.90	0.078	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND38									
			RB1#38	22.5	-3.7	18.80	0.076	2.00	Pass
			RB1#74	22.49	-3.7	18.79	0.076	2.00	Pass
			RB36#0	21.66	-3.7	17.96	0.063	2.00	Pass
			RB36#19	21.65	-3.7	17.95	0.062	2.00	Pass
			RB36#39	21.64	-3.7	17.94	0.062	2.00	Pass
			RB75#0	21.68	-3.7	17.98	0.063	2.00	Pass
		16-QAM	RB1#0	21.91	-3.7	18.21	0.066	2.00	Pass
			RB1#38	21.88	-3.7	18.18	0.066	2.00	Pass
			RB1#74	21.83	-3.7	18.13	0.065	2.00	Pass
			RB36#0	20.71	-3.7	17.01	0.050	2.00	Pass
			RB36#19	20.64	-3.7	16.94	0.049	2.00	Pass
			RB36#39	20.68	-3.7	16.98	0.050	2.00	Pass
			RB75#0	20.64	-3.7	16.94	0.049	2.00	Pass
20 MHz	LCH	QPSK	RB1#0	22.57	-3.7	18.87	0.077	2.00	Pass
			RB1#50	22.49	-3.7	18.79	0.076	2.00	Pass
			RB1#99	22.41	-3.7	18.71	0.074	2.00	Pass
			RB50#0	21.72	-3.7	18.02	0.063	2.00	Pass
			RB50#25	21.67	-3.7	17.97	0.063	2.00	Pass
			RB50#50	21.65	-3.7	17.95	0.062	2.00	Pass
			RB100#0	21.68	-3.7	17.98	0.063	2.00	Pass
		16-QAM	RB1#0	21.91	-3.7	18.21	0.066	2.00	Pass
			RB1#50	21.8	-3.7	18.10	0.065	2.00	Pass
			RB1#99	21.73	-3.7	18.03	0.064	2.00	Pass
			RB50#0	20.71	-3.7	17.01	0.050	2.00	Pass
			RB50#25	20.66	-3.7	16.96	0.050	2.00	Pass
			RB50#50	20.63	-3.7	16.93	0.049	2.00	Pass
			RB100#0	20.68	-3.7	16.98	0.050	2.00	Pass
	MCH	QPSK	RB1#0	22.62	-3.7	18.92	0.078	2.00	Pass
			RB1#50	22.57	-3.7	18.87	0.077	2.00	Pass
			RB1#99	22.48	-3.7	18.78	0.076	2.00	Pass
			RB50#0	21.73	-3.7	18.03	0.064	2.00	Pass
			RB50#25	21.66	-3.7	17.96	0.063	2.00	Pass
			RB50#50	21.62	-3.7	17.92	0.062	2.00	Pass
			RB100#0	21.64	-3.7	17.94	0.062	2.00	Pass
		16-QAM	RB1#0	21.88	-3.7	18.18	0.066	2.00	Pass
			RB1#50	21.72	-3.7	18.02	0.063	2.00	Pass
			RB1#99	21.65	-3.7	17.95	0.062	2.00	Pass
			RB50#0	20.74	-3.7	17.04	0.051	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND38									
			RB50#25	20.66	-3.7	16.96	0.050	2.00	Pass
			RB50#50	20.63	-3.7	16.93	0.049	2.00	Pass
			RB100#0	20.61	-3.7	16.91	0.049	2.00	Pass
	HCH	QPSK	RB1#0	22.68	-3.7	18.98	0.079	2.00	Pass
			RB1#50	22.59	-3.7	18.89	0.077	2.00	Pass
			RB1#99	22.56	-3.7	18.86	0.077	2.00	Pass
			RB50#0	21.7	-3.7	18.00	0.063	2.00	Pass
			RB50#25	21.68	-3.7	17.98	0.063	2.00	Pass
			RB50#50	21.62	-3.7	17.92	0.062	2.00	Pass
			RB100#0	21.69	-3.7	17.99	0.063	2.00	Pass
		16-QAM	RB1#0	22.01	-3.7	18.31	0.068	2.00	Pass
			RB1#50	21.95	-3.7	18.25	0.067	2.00	Pass
			RB1#99	21.99	-3.7	18.29	0.067	2.00	Pass
			RB50#0	20.76	-3.7	17.06	0.051	2.00	Pass
			RB50#25	20.75	-3.7	17.05	0.051	2.00	Pass
			RB50#50	20.65	-3.7	16.95	0.050	2.00	Pass
			RB100#0	20.7	-3.7	17.00	0.050	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
5 MHz	LCH	QPSK	RB1#0	25.51	-3.7	21.81	0.152	2.00	Pass
			RB1#13	25.55	-3.7	21.85	0.153	2.00	Pass
			RB1#24	25.52	-3.7	21.82	0.152	2.00	Pass
			RB12#0	24.58	-3.7	20.88	0.122	2.00	Pass
			RB12#6	24.61	-3.7	20.91	0.123	2.00	Pass
			RB12#13	24.58	-3.7	20.88	0.122	2.00	Pass
			RB25#0	24.56	-3.7	20.86	0.122	2.00	Pass
		16-QAM	RB1#0	24.75	-3.7	21.05	0.127	2.00	Pass
			RB1#13	24.76	-3.7	21.06	0.128	2.00	Pass
			RB1#24	24.74	-3.7	21.04	0.127	2.00	Pass
			RB12#0	23.56	-3.7	19.86	0.097	2.00	Pass
			RB12#6	23.63	-3.7	19.93	0.098	2.00	Pass
			RB12#13	23.65	-3.7	19.95	0.099	2.00	Pass
			RB25#0	23.55	-3.7	19.85	0.097	2.00	Pass
	MCH	QPSK	RB1#0	25.29	-3.7	21.59	0.144	2.00	Pass
			RB1#13	25.42	-3.7	21.72	0.149	2.00	Pass
			RB1#24	25.39	-3.7	21.69	0.148	2.00	Pass
			RB12#0	24.42	-3.7	20.72	0.118	2.00	Pass
			RB12#6	24.47	-3.7	20.77	0.119	2.00	Pass
			RB12#13	24.38	-3.7	20.68	0.117	2.00	Pass
			RB25#0	24.39	-3.7	20.69	0.117	2.00	Pass
		16-QAM	RB1#0	24.67	-3.7	20.97	0.125	2.00	Pass
			RB1#13	24.75	-3.7	21.05	0.127	2.00	Pass
			RB1#24	24.71	-3.7	21.01	0.126	2.00	Pass
			RB12#0	23.35	-3.7	19.65	0.092	2.00	Pass
			RB12#6	23.46	-3.7	19.76	0.095	2.00	Pass
			RB12#13	23.35	-3.7	19.65	0.092	2.00	Pass
			RB25#0	23.43	-3.7	19.73	0.094	2.00	Pass
	HCH	QPSK	RB1#0	25.45	-3.7	21.75	0.150	2.00	Pass
			RB1#13	25.48	-3.7	21.78	0.151	2.00	Pass
			RB1#24	25.54	-3.7	21.84	0.153	2.00	Pass
			RB12#0	24.47	-3.7	20.77	0.119	2.00	Pass
			RB12#6	24.52	-3.7	20.82	0.121	2.00	Pass
			RB12#13	24.42	-3.7	20.72	0.118	2.00	Pass
			RB25#0	24.44	-3.7	20.74	0.119	2.00	Pass
		16-QAM	RB1#0	24.83	-3.7	21.13	0.130	2.00	Pass
			RB1#13	24.88	-3.7	21.18	0.131	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
			RB1#24	24.92	-3.7	21.22	0.132	2.00	Pass
			RB12#0	23.6	-3.7	19.90	0.098	2.00	Pass
			RB12#6	23.63	-3.7	19.93	0.098	2.00	Pass
			RB12#13	23.58	-3.7	19.88	0.097	2.00	Pass
			RB25#0	23.48	-3.7	19.78	0.095	2.00	Pass
10 MHz	LCH	QPSK	RB1#0	25.5	-3.7	21.80	0.151	2.00	Pass
			RB1#25	25.52	-3.7	21.82	0.152	2.00	Pass
			RB1#49	25.49	-3.7	21.79	0.151	2.00	Pass
			RB25#0	24.56	-3.7	20.86	0.122	2.00	Pass
			RB25#13	24.61	-3.7	20.91	0.123	2.00	Pass
			RB25#25	24.57	-3.7	20.87	0.122	2.00	Pass
			RB50#0	24.6	-3.7	20.90	0.123	2.00	Pass
		16-QAM	RB1#0	24.76	-3.7	21.06	0.128	2.00	Pass
			RB1#25	24.7	-3.7	21.00	0.126	2.00	Pass
			RB1#49	24.73	-3.7	21.03	0.127	2.00	Pass
			RB25#0	23.59	-3.7	19.89	0.097	2.00	Pass
			RB25#13	23.61	-3.7	19.91	0.098	2.00	Pass
			RB25#25	23.56	-3.7	19.86	0.097	2.00	Pass
			RB50#0	23.58	-3.7	19.88	0.097	2.00	Pass
	MCH	QPSK	RB1#0	25.48	-3.7	21.78	0.151	2.00	Pass
			RB1#25	25.4	-3.7	21.70	0.148	2.00	Pass
			RB1#49	25.31	-3.7	21.61	0.145	2.00	Pass
			RB25#0	24.44	-3.7	20.74	0.119	2.00	Pass
			RB25#13	24.47	-3.7	20.77	0.119	2.00	Pass
			RB25#25	24.43	-3.7	20.73	0.118	2.00	Pass
			RB50#0	24.45	-3.7	20.75	0.119	2.00	Pass
		16-QAM	RB1#0	24.85	-3.7	21.15	0.130	2.00	Pass
			RB1#25	24.85	-3.7	21.15	0.130	2.00	Pass
			RB1#49	24.78	-3.7	21.08	0.128	2.00	Pass
			RB25#0	23.43	-3.7	19.73	0.094	2.00	Pass
			RB25#13	23.43	-3.7	19.73	0.094	2.00	Pass
			RB25#25	23.41	-3.7	19.71	0.094	2.00	Pass
			RB50#0	23.46	-3.7	19.76	0.095	2.00	Pass
	HCH	QPSK	RB1#0	25.51	-3.7	21.81	0.152	2.00	Pass
			RB1#25	25.45	-3.7	21.75	0.150	2.00	Pass
			RB1#49	25.45	-3.7	21.75	0.150	2.00	Pass
			RB25#0	24.54	-3.7	20.84	0.121	2.00	Pass
			RB25#13	24.61	-3.7	20.91	0.123	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
			RB25#25	24.54	-3.7	20.84	0.121	2.00	Pass
			RB50#0	24.53	-3.7	20.83	0.121	2.00	Pass
		16-QAM	RB1#0	24.92	-3.7	21.22	0.132	2.00	Pass
			RB1#25	24.93	-3.7	21.23	0.133	2.00	Pass
			RB1#49	24.96	-3.7	21.26	0.134	2.00	Pass
			RB25#0	23.56	-3.7	19.86	0.097	2.00	Pass
			RB25#13	23.59	-3.7	19.89	0.097	2.00	Pass
			RB25#25	23.55	-3.7	19.85	0.097	2.00	Pass
			RB50#0	23.57	-3.7	19.87	0.097	2.00	Pass
15 MHz	LCH	QPSK	RB1#0	25.28	-3.7	21.58	0.144	2.00	Pass
			RB1#38	25.28	-3.7	21.58	0.144	2.00	Pass
			RB1#74	25.21	-3.7	21.51	0.142	2.00	Pass
			RB36#0	24.44	-3.7	20.74	0.119	2.00	Pass
			RB36#19	24.46	-3.7	20.76	0.119	2.00	Pass
			RB36#39	24.31	-3.7	20.61	0.115	2.00	Pass
			RB75#0	24.34	-3.7	20.64	0.116	2.00	Pass
		16-QAM	RB1#0	24.66	-3.7	20.96	0.125	2.00	Pass
			RB1#38	24.65	-3.7	20.95	0.124	2.00	Pass
			RB1#74	24.54	-3.7	20.84	0.121	2.00	Pass
			RB36#0	23.49	-3.7	19.79	0.095	2.00	Pass
			RB36#19	23.47	-3.7	19.77	0.095	2.00	Pass
			RB36#39	23.31	-3.7	19.61	0.091	2.00	Pass
			RB75#0	23.4	-3.7	19.70	0.093	2.00	Pass
	MCH	QPSK	RB1#0	25.23	-3.7	21.53	0.142	2.00	Pass
			RB1#38	25.18	-3.7	21.48	0.141	2.00	Pass
			RB1#74	25.15	-3.7	21.45	0.140	2.00	Pass
			RB36#0	24.33	-3.7	20.63	0.116	2.00	Pass
			RB36#19	24.29	-3.7	20.59	0.115	2.00	Pass
			RB36#39	24.3	-3.7	20.60	0.115	2.00	Pass
			RB75#0	24.32	-3.7	20.62	0.115	2.00	Pass
		16-QAM	RB1#0	24.73	-3.7	21.03	0.127	2.00	Pass
			RB1#38	24.65	-3.7	20.95	0.124	2.00	Pass
			RB1#74	24.66	-3.7	20.96	0.125	2.00	Pass
			RB36#0	23.36	-3.7	19.66	0.092	2.00	Pass
			RB36#19	23.3	-3.7	19.60	0.091	2.00	Pass
			RB36#39	23.31	-3.7	19.61	0.091	2.00	Pass
			RB75#0	23.34	-3.7	19.64	0.092	2.00	Pass
	HCH	QPSK	RB1#0	25.45	-3.7	21.75	0.150	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
			RB1#38	25.34	-3.7	21.64	0.146	2.00	Pass
			RB1#74	25.39	-3.7	21.69	0.148	2.00	Pass
			RB36#0	24.47	-3.7	20.77	0.119	2.00	Pass
			RB36#19	24.43	-3.7	20.73	0.118	2.00	Pass
			RB36#39	24.44	-3.7	20.74	0.119	2.00	Pass
			RB75#0	24.46	-3.7	20.76	0.119	2.00	Pass
		16-QAM	RB1#0	24.79	-3.7	21.09	0.129	2.00	Pass
			RB1#38	24.71	-3.7	21.01	0.126	2.00	Pass
			RB1#74	24.71	-3.7	21.01	0.126	2.00	Pass
			RB36#0	23.5	-3.7	19.80	0.095	2.00	Pass
			RB36#19	23.51	-3.7	19.81	0.096	2.00	Pass
			RB36#39	23.58	-3.7	19.88	0.097	2.00	Pass
			RB75#0	23.49	-3.7	19.79	0.095	2.00	Pass
20 MHz	LCH	QPSK	RB1#0	25.4	-3.7	21.70	0.148	2.00	Pass
			RB1#50	25.39	-3.7	21.69	0.148	2.00	Pass
			RB1#99	25.37	-3.7	21.67	0.147	2.00	Pass
			RB50#0	24.56	-3.7	20.86	0.122	2.00	Pass
			RB50#25	24.5	-3.7	20.80	0.120	2.00	Pass
			RB50#50	24.45	-3.7	20.75	0.119	2.00	Pass
			RB100#0	24.48	-3.7	20.78	0.120	2.00	Pass
		16-QAM	RB1#0	24.69	-3.7	20.99	0.126	2.00	Pass
			RB1#50	24.71	-3.7	21.01	0.126	2.00	Pass
			RB1#99	24.66	-3.7	20.96	0.125	2.00	Pass
			RB50#0	23.55	-3.7	19.85	0.097	2.00	Pass
			RB50#25	23.48	-3.7	19.78	0.095	2.00	Pass
			RB50#50	23.45	-3.7	19.75	0.094	2.00	Pass
			RB100#0	23.46	-3.7	19.76	0.095	2.00	Pass
	MCH	QPSK	RB1#0	25.32	-3.7	21.62	0.145	2.00	Pass
			RB1#50	25.18	-3.7	21.48	0.141	2.00	Pass
			RB1#99	25.15	-3.7	21.45	0.140	2.00	Pass
			RB50#0	24.36	-3.7	20.66	0.116	2.00	Pass
			RB50#25	24.37	-3.7	20.67	0.117	2.00	Pass
			RB50#50	24.33	-3.7	20.63	0.116	2.00	Pass
			RB100#0	24.33	-3.7	20.63	0.116	2.00	Pass
		16-QAM	RB1#0	24.53	-3.7	20.83	0.121	2.00	Pass
			RB1#50	24.32	-3.7	20.62	0.115	2.00	Pass
			RB1#99	24.37	-3.7	20.67	0.117	2.00	Pass
			RB50#0	23.4	-3.7	19.70	0.093	2.00	Pass

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
			RB50#25	23.4	-3.7	19.70	0.093	2.00	Pass
			RB50#50	23.33	-3.7	19.63	0.092	2.00	Pass
			RB100#0	23.38	-3.7	19.68	0.093	2.00	Pass
	HCH	QPSK	RB1#0	25.57	-3.7	21.87	0.154	2.00	Pass
			RB1#50	25.43	-3.7	21.73	0.149	2.00	Pass
			RB1#99	25.53	-3.7	21.83	0.152	2.00	Pass
			RB50#0	24.53	-3.7	20.83	0.121	2.00	Pass
			RB50#25	24.55	-3.7	20.85	0.122	2.00	Pass
			RB50#50	24.51	-3.7	20.81	0.121	2.00	Pass
			RB100#0	24.5	-3.7	20.80	0.120	2.00	Pass
		16-QAM	RB1#0	24.94	-3.7	21.24	0.133	2.00	Pass
			RB1#50	24.82	-3.7	21.12	0.129	2.00	Pass
			RB1#99	24.91	-3.7	21.21	0.132	2.00	Pass
			RB50#0	23.58	-3.7	19.88	0.097	2.00	Pass
			RB50#25	23.57	-3.7	19.87	0.097	2.00	Pass
			RB50#50	23.52	-3.7	19.82	0.096	2.00	Pass
			RB100#0	23.52	-3.7	19.82	0.096	2.00	Pass

Modulation	PCC RB		SCC RB		Conducted Output AV Power (dBm)			Antenna Gain (dBi)	EIRP (W)			Limit (W)
	Size	Offset	Size	Offset	LCH	MCH	HCH		LCH	MCH	HCH	
CA_41C												
5MHz+20MHz												
QPSK	1	24	1	0	23.91	23.83	23.87	-3.7	0.105	0.103	0.104	2.000
	25	0	100	0	18.92	18.98	18.97	-3.7	0.033	0.034	0.034	2.000
16-QAM	1	24	1	0	22.91	23.23	23	-3.7	0.083	0.090	0.085	2.000
	25	0	100	0	20.04	20.03	20.03	-3.7	0.043	0.043	0.043	2.000
20MHz+5MHz												
QPSK	1	0	0	0	23	23.2	23.13	-3.7	0.085	0.089	0.088	2.000
	50	0	0	0	21.09	21.21	21.18	-3.7	0.055	0.056	0.056	2.000
	100	0	0	0	21.11	21.23	21.16	-3.7	0.055	0.057	0.056	2.000
	1	99	1	0	23.25	23.24	23.31	-3.7	0.090	0.090	0.091	2.000
	100	0	25	0	21.01	21.24	20.89	-3.7	0.054	0.057	0.052	2.000
16-QAM	1	0	0	0	21.7	21.8	21.71	-3.7	0.063	0.065	0.063	2.000
	50	0	0	0	20.12	20.17	20.14	-3.7	0.044	0.044	0.044	2.000
	100	0	0	0	20.18	20.2	20.17	-3.7	0.044	0.045	0.044	2.000
	1	99	1	0	21.63	21.71	21.72	-3.7	0.062	0.063	0.063	2.000
	100	0	25	0	19.17	19.24	19.13	-3.7	0.035	0.036	0.035	2.000
10MHz+20MHz												
QPSK	1	49	1	0	7.45	7.52	7.47	-3.7	0.002	0.002	0.002	2.000
	50	0	100	0	19	18.99	19.16	-3.7	0.034	0.034	0.035	2.000
16-QAM	1	49	1	0	23.06	23.01	23.08	-3.7	0.086	0.085	0.087	2.000
	50	0	100	0	21.01	21.04	21.07	-3.7	0.054	0.054	0.055	2.000
20MHz+10MHz												
QPSK	1	99	1	0	24	23.98	23.9	-3.7	0.107	0.107	0.105	2.000
	100	0	50	0	22.05	22.06	22.01	-3.7	0.068	0.069	0.068	2.000
16-QAM	1	99	1	0	22.81	22.8	22.77	-3.7	0.081	0.081	0.081	2.000
	100	0	50	0	21.1	21.07	21.05	-3.7	0.055	0.055	0.054	2.000
15MHz+15MHz												
QPSK	1	74	1	0	23.79	23.8	23.71	-3.7	0.102	0.102	0.100	2.000
	75	0	75	0	20.96	20.94	20.94	-3.7	0.053	0.053	0.053	2.000
16-QAM	1	74	1	0	22.99	22.87	22.91	-3.7	0.085	0.083	0.083	2.000
	75	0	75	0	20.05	20.01	20.03	-3.7	0.043	0.043	0.043	2.000
15MHz+20MHz												
QPSK	1	74	1	0	23.7	23.82	23.81	-3.7	0.100	0.103	0.103	2.000
	75	0	100	0	21.97	22.04	22.01	-3.7	0.067	0.068	0.068	2.000
16-QAM	1	74	1	0	22.8	22.96	22.82	-3.7	0.081	0.084	0.082	2.000
	75	0	100	0	20.03	20.12	20.1	-3.7	0.043	0.044	0.044	2.000
20MHz+15MHz												
QPSK	1	99	1	0	23.97	23.89	24.01	-3.7	0.106	0.104	0.107	2.000

Modulation	PCC RB		SCC RB		Conducted Output AV Power (dBm)			Antenna Gain (dBi)	EIRP (W)			Limit (W)
	Size	Offset	Size	Offset	LCH	MCH	HCH		LCH	MCH	HCH	
CA_41C												
	100	0	75	0	22.02	22.04	22.01	-3.7	0.068	0.068	0.068	2.000
16-QAM	1	99	1	0	22.9	22.89	22.94	-3.7	0.083	0.083	0.084	2.000
	100	0	75	0	21.03	21.07	21.05	-3.7	0.054	0.055	0.054	2.000
20MHz+20MHz												
QPSK	1	0	0	0	23.11	23.15	23.08	-3.7	0.087	0.088	0.087	2.000
	50	0	0	0	22.14	22.19	22.09	-3.7	0.070	0.071	0.069	2.000
	100	0	0	0	22.15	22.2	22.11	-3.7	0.070	0.071	0.069	2.000
	1	99	1	0	23.83	23.97	23.76	-3.7	0.103	0.106	0.101	2.000
	100	0	100	0	20.1	20.12	20.1	-3.7	0.044	0.071	0.044	2.000
16-QAM	1	0	0	0	22.23	22.22	22.27	-3.7	0.071	0.071	0.072	2.000
	50	0	0	0	21.14	21.05	21.14	-3.7	0.055	0.054	0.055	2.000
	100	0	0	0	21.14	21.06	21.13	-3.7	0.055	0.054	0.055	2.000
	1	99	1	0	22.61	22.57	22.67	-3.7	0.078	0.077	0.079	2.000
	100	0	100	0	20.01	20	20.11	-3.7	0.043	0.043	0.044	2.000

A.2 Peak to Average Ratio

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

Note 2: Test plots please refer to the document “Annex No.:BL-SZ22B0814-501 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 4	LCH	2.81	13	1.1	Pass
	MCH	2.86	13	1.2	Pass
	HCH	2.86	13	1.3	Pass
Band 5	LCH	2.77	13	2.1	Pass
	MCH	2.77	13	2.2	Pass
	HCH	2.77	13	2.3	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 4	20 MHz	LCH	QPSK	RB1#0	3.42	13	3.1	Pass
				RB100#0	5.16	13	3.2	Pass
			16-QAM	RB1#0	5.2	13	3.3	Pass
				RB100#0	5.95	13	3.4	Pass
		MCH	QPSK	RB1#0	3.42	13	3.5	Pass
				RB100#0	5.3	13	3.6	Pass
			16-QAM	RB1#0	5.39	13	3.7	Pass
				RB100#0	6.05	13	3.8	Pass
		HCH	QPSK	RB1#0	3.52	13	3.9	Pass
				RB100#0	5.25	13	3.10	Pass
			16-QAM	RB1#0	5.48	13	3.11	Pass
				RB100#0	6	13	3.12	Pass
LTE Band 5	10 MHz	LCH	QPSK	RB1#0	3.37	13	4.1	Pass
				RB50#0	5.11	13	4.2	Pass
			16-QAM	RB1#0	4.31	13	4.3	Pass
				RB50#0	5.72	13	4.4	Pass
		MCH	QPSK	RB1#0	3.28	13	4.5	Pass
				RB50#0	4.92	13	4.6	Pass
			16-QAM	RB1#0	4.59	13	4.7	Pass
				RB50#0	5.86	13	4.8	Pass
		HCH	QPSK	RB1#0	3.37	13	4.9	Pass
				RB50#0	4.92	13	4.10	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot[Note2]	Verdict
			16-QAM	RB1#0	4.59	13	4.11	Pass
				RB50#0	5.91	13	4.12	Pass
LTE Band 12	10 MHz	LCH	QPSK	RB1#0	3.52	13	5.1	Pass
				RB50#0	5.11	13	5.2	Pass
			16-QAM	RB1#0	4.31	13	5.3	Pass
				RB50#0	5.91	13	5.4	Pass
		MCH	QPSK	RB1#0	3.56	13	5.5	Pass
				RB50#0	5.06	13	5.6	Pass
			16-QAM	RB1#0	5.39	13	5.7	Pass
				RB50#0	5.86	13	5.8	Pass
		HCH	QPSK	RB1#0	3.42	13	5.9	Pass
				RB50#0	5.16	13	5.10	Pass
			16-QAM	RB1#0	5.16	13	5.11	Pass
				RB50#0	5.86	13	5.12	Pass
LTE Band 17	10 MHz	LCH	QPSK	RB1#0	3.47	13	6.1	Pass
				RB50#0	5.06	13	6.2	Pass
			16-QAM	RB1#0	5.25	13	6.3	Pass
				RB50#0	5.86	13	6.4	Pass
		MCH	QPSK	RB1#0	3.37	13	6.5	Pass
				RB50#0	5.11	13	6.6	Pass
			16-QAM	RB1#0	5.3	13	6.7	Pass
				RB50#0	5.86	13	6.8	Pass
		HCH	QPSK	RB1#0	3.37	13	6.9	Pass
				RB50#0	5.2	13	6.10	Pass
			16-QAM	RB1#0	5.3	13	6.11	Pass
				RB50#0	5.86	13	6.12	Pass
LTE Band 26 (Part22)	15 MHz	LCH	QPSK	RB1#0	3.37	13	7.1	Pass
				RB75#0	5.53	13	7.2	Pass
			16-QAM	RB1#0	5.2	13	7.3	Pass
				RB75#0	6.14	13	7.4	Pass
		MCH	QPSK	RB1#0	3.28	13	7.5	Pass
				RB75#0	5.48	13	7.6	Pass
			16-QAM	RB1#0	4.87	13	7.7	Pass
				RB75#0	5.72	13	7.8	Pass
		HCH	QPSK	RB1#0	3.37	13	7.9	Pass
				RB75#0	5.11	13	7.10	Pass
			16-QAM	RB1#0	5.02	13	7.11	Pass
				RB75#0	6.05	13	7.12	Pass
LTE	10 MHz	MCH	QPSK	RB1#0	3.37	13	8.1	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot[Note2]	Verdict
Band 26 (Part90)				RB50#0	5.25	13	8.2	Pass
			16-QAM	RB1#0	4.31	13	8.3	Pass
				RB50#0	6	13	8.4	Pass
LTE Band 38	20 MHz	LCH	QPSK	RB1#0	7.36	13	9.1	Pass
				RB100#0	8.91	13	9.2	Pass
			16-QAM	RB1#0	9.19	13	9.3	Pass
				RB100#0	9.66	13	9.4	Pass
		MCH	QPSK	RB1#0	7.31	13	9.5	Pass
				RB100#0	8.91	13	9.6	Pass
			16-QAM	RB1#0	9.28	13	9.7	Pass
				RB100#0	9.61	13	9.8	Pass
		HCH	QPSK	RB1#0	7.31	13	9.9	Pass
				RB100#0	8.86	13	9.10	Pass
			16-QAM	RB1#0	9.28	13	9.11	Pass
				RB100#0	9.7	13	9.12	Pass
LTE Band 41	20 MHz	LCH	QPSK	RB1#0	7.22	13	10.1	Pass
				RB100#0	8.77	13	10.2	Pass
			16-QAM	RB1#0	8.95	13	10.3	Pass
				RB100#0	9.52	13	10.4	Pass
		MCH	QPSK	RB1#0	7.41	13	10.5	Pass
				RB100#0	8.91	13	10.6	Pass
			16-QAM	RB1#0	9.33	13	10.7	Pass
				RB100#0	9.66	13	10.8	Pass
		HCH	QPSK	RB1#0	7.31	13	10.9	Pass
				RB100#0	8.86	13	10.10	Pass
			16-QAM	RB1#0	9.28	13	10.11	Pass
				RB100#0	9.47	13	10.12	Pass

Test Channel	Modulation	PCC RB		SCC RB		Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot[Note 2]	Verdict
		Size	Offset	Size	Offset				
CA_41C									
5MHz+20MHz									
Mid	QPSK	25	0	100	0	9.61	13	11.1	Pass
	16-QAM	25	0	100	0	10.17	13	11.2	Pass
20MHz+5MHz									
Mid	QPSK	100	0	25	0	9.56	13	11.3	Pass
	16-QAM	100	0	25	0	10.27	13	11.4	Pass
10MHz+20MHz									
Mid	QPSK	50	0	100	0	9.61	13	11.5	Pass
	16-QAM	50	0	100	0	10.31	13	11.6	Pass
20MHz+10MHz									
Mid	QPSK	100	0	50	0	9.7	13	11.7	Pass
	16-QAM	100	0	50	0	10.36	13	11.8	Pass
15MHz+15MHz									
Mid	QPSK	75	0	75	0	9.75	13	11.9	Pass
	16-QAM	75	0	75	0	10.31	13	11.10	Pass
15MHz+20MHz									
Mid	QPSK	75	0	100	0	9.56	13	11.11	Pass
	16-QAM	75	0	100	0	10.17	13	11.12	Pass
20MHz+15MHz									
Mid	QPSK	100	0	75	0	9.56	13	11.13	Pass
	16-QAM	100	0	75	0	10.36	13	11.14	Pass
20MHz+20MHz									
Mid	QPSK	100	0	100	0	9.89	13	11.15	Pass
	16-QAM	100	0	100	0	10.36	13	11.16	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-SZ22B0814-501 Data Part 2.pdf”.

GSM and WCDMA Mode Test Data

Test Band	Test Channel	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
GSM 850	LCH	0.245	0.313	1.1
	MCH	0.244	0.306	1.2
	HCH	0.245	0.311	1.3
GSM 1900	LCH	0.245	0.312	2.1
	MCH	0.245	0.31	2.2
	HCH	0.243	0.31	2.3
EGPRS 850	LCH	0.244	0.308	3.1
	MCH	0.244	0.308	3.2
	HCH	0.244	0.309	3.3
EGPRS 1900	LCH	0.243	0.304	4.1
	MCH	0.244	0.307	4.2
	HCH	0.244	0.309	4.3
WCDMA Band 4	LCH	4.138	4.733	5.1
	MCH	4.142	4.73	5.2
	HCH	4.14	4.733	5.3
WCDMA Band 5	LCH	4.131	4.725	6.1
	MCH	4.133	4.743	6.2
	HCH	4.141	4.742	6.3

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 4	1.4 MHz	LCH	QPSK	RB6#0	1.083	1.236	7.1
			16-QAM	RB6#0	1.086	1.224	7.2
		MCH	QPSK	RB6#0	1.088	1.235	7.3
			16-QAM	RB6#0	1.083	1.224	7.4
		HCH	QPSK	RB6#0	1.089	1.225	7.5
			16-QAM	RB6#0	1.088	1.229	7.6
	3 MHz	LCH	QPSK	RB15#0	2.697	3.005	7.7
			16-QAM	RB15#0	2.701	3	7.8
		MCH	QPSK	RB15#0	2.699	3.013	7.9
			16-QAM	RB15#0	2.698	3.014	7.10
		HCH	QPSK	RB15#0	2.701	3.019	7.11
			16-QAM	RB15#0	2.692	3.02	7.12
	5 MHz	LCH	QPSK	RB25#0	4.504	4.98	7.13
			16-QAM	RB25#0	4.5	4.928	7.14
		MCH	QPSK	RB25#0	4.49	4.966	7.15
			16-QAM	RB25#0	4.508	4.955	7.16
		HCH	QPSK	RB25#0	4.503	4.955	7.17
			16-QAM	RB25#0	4.507	4.983	7.18
	10 MHz	LCH	QPSK	RB50#0	8.98	9.835	7.19
			16-QAM	RB50#0	8.965	9.788	7.20
		MCH	QPSK	RB50#0	8.952	9.824	7.21
			16-QAM	RB50#0	8.964	9.825	7.22
		HCH	QPSK	RB50#0	8.972	9.842	7.23
			16-QAM	RB50#0	8.971	9.837	7.24
	15 MHz	LCH	QPSK	RB75#0	13.457	14.771	7.25
			16-QAM	RB75#0	13.452	14.729	7.26
		MCH	QPSK	RB75#0	13.421	14.714	7.27
			16-QAM	RB75#0	13.443	14.686	7.28
		HCH	QPSK	RB75#0	13.443	14.81	7.29
			16-QAM	RB75#0	13.467	14.727	7.30
	20 MHz	LCH	QPSK	RB100#0	17.895	18.977	7.31
			16-QAM	RB100#0	17.918	19.459	7.32
		MCH	QPSK	RB100#0	17.915	19.451	7.33
			16-QAM	RB100#0	17.924	19.632	7.34
		HCH	QPSK	RB100#0	17.936	19.655	7.35
			16-QAM	RB100#0	17.946	19.537	7.36

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	1.086	1.227	8.1
			16-QAM	RB6#0	1.09	1.236	8.2
		MCH	QPSK	RB6#0	1.086	1.231	8.3
			16-QAM	RB6#0	1.083	1.224	8.4
		HCH	QPSK	RB6#0	1.09	1.225	8.5
			16-QAM	RB6#0	1.088	1.23	8.6
	3 MHz	LCH	QPSK	RB15#0	2.702	3.003	8.7
			16-QAM	RB15#0	2.694	3.007	8.8
		MCH	QPSK	RB15#0	2.698	2.998	8.9
			16-QAM	RB15#0	2.696	3.01	8.10
		HCH	QPSK	RB15#0	2.7	3.006	8.11
			16-QAM	RB15#0	2.698	3.018	8.12
	5 MHz	LCH	QPSK	RB25#0	4.507	4.962	8.13
			16-QAM	RB25#0	4.494	4.939	8.14
		MCH	QPSK	RB25#0	4.497	4.974	8.15
			16-QAM	RB25#0	4.51	4.974	8.16
		HCH	QPSK	RB25#0	4.492	4.935	8.17
			16-QAM	RB25#0	4.506	4.971	8.18
	10 MHz	LCH	QPSK	RB50#0	8.969	9.888	8.19
			16-QAM	RB50#0	8.957	9.752	8.20
		MCH	QPSK	RB50#0	8.958	9.782	8.21
			16-QAM	RB50#0	8.959	9.826	8.22
		HCH	QPSK	RB50#0	8.97	9.819	8.23
			16-QAM	RB50#0	8.954	9.825	8.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 12	1.4 MHz	LCH	QPSK	RB6#0	1.083	1.231	9.1
			16-QAM	RB6#0	1.087	1.244	9.2
		MCH	QPSK	RB6#0	1.086	1.235	9.3
			16-QAM	RB6#0	1.083	1.229	9.4
		HCH	QPSK	RB6#0	1.087	1.229	9.5
			16-QAM	RB6#0	1.089	1.235	9.6
	3 MHz	LCH	QPSK	RB15#0	2.703	2.984	9.7
			16-QAM	RB15#0	2.698	3.018	9.8
		MCH	QPSK	RB15#0	2.694	2.993	9.9
			16-QAM	RB15#0	2.7	2.997	9.10
		HCH	QPSK	RB15#0	2.7	2.98	9.11
			16-QAM	RB15#0	2.696	2.998	9.12
	5 MHz	LCH	QPSK	RB25#0	4.502	4.972	9.13
			16-QAM	RB25#0	4.499	4.937	9.14
		MCH	QPSK	RB25#0	4.496	4.979	9.15
			16-QAM	RB25#0	4.508	4.974	9.16
		HCH	QPSK	RB25#0	4.485	4.944	9.17
			16-QAM	RB25#0	4.497	4.97	9.18
	10 MHz	LCH	QPSK	RB50#0	8.946	9.792	9.19
			16-QAM	RB50#0	8.957	9.788	9.20
		MCH	QPSK	RB50#0	8.929	9.76	9.21
			16-QAM	RB50#0	8.936	9.789	9.22
		HCH	QPSK	RB50#0	8.956	9.826	9.23
			16-QAM	RB50#0	8.957	9.797	9.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 17	5 MHz	LCH	QPSK	RB25#0	4.505	4.946	10.1
			16-QAM	RB25#0	4.499	4.924	10.2
		MCH	QPSK	RB25#0	4.491	4.997	10.3
			16-QAM	RB25#0	4.505	4.972	10.4
		HCH	QPSK	RB25#0	4.486	4.944	10.5
			16-QAM	RB25#0	4.5	4.994	10.6
	10 MHz	LCH	QPSK	RB50#0	8.949	9.815	10.7
			16-QAM	RB50#0	8.937	9.815	10.8
		MCH	QPSK	RB50#0	8.947	9.786	10.9
			16-QAM	RB50#0	8.947	9.776	10.10
		HCH	QPSK	RB50#0	8.963	9.851	10.11
			16-QAM	RB50#0	8.952	9.843	10.12

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	1.085	1.231	11.1
			16-QAM	RB6#0	1.09	1.235	11.2
		MCH	QPSK	RB6#0	1.087	1.233	11.3
			16-QAM	RB6#0	1.083	1.222	11.4
		HCH	QPSK	RB6#0	1.089	1.225	11.5
			16-QAM	RB6#0	1.089	1.235	11.6
	3 MHz	LCH	QPSK	RB15#0	2.7	2.984	11.7
			16-QAM	RB15#0	2.701	3.008	11.8
		MCH	QPSK	RB15#0	2.709	2.987	11.9
			16-QAM	RB15#0	2.697	3.004	11.10
		HCH	QPSK	RB15#0	2.704	3.004	11.11
			16-QAM	RB15#0	2.697	3.033	11.12
	5 MHz	LCH	QPSK	RB25#0	4.504	4.957	11.13
			16-QAM	RB25#0	4.491	4.948	11.14
		MCH	QPSK	RB25#0	4.502	4.956	11.15
			16-QAM	RB25#0	4.512	4.975	11.16
		HCH	QPSK	RB25#0	4.489	4.955	11.17
			16-QAM	RB25#0	4.503	4.991	11.18
	10 MHz	LCH	QPSK	RB50#0	8.968	9.865	11.19
			16-QAM	RB50#0	8.956	9.848	11.20
		MCH	QPSK	RB50#0	8.957	9.864	11.21
			16-QAM	RB50#0	8.966	9.835	11.22
		HCH	QPSK	RB50#0	8.947	9.818	11.23
			16-QAM	RB50#0	8.948	9.804	11.24
	15 MHz	LCH	QPSK	RB75#0	13.469	14.81	11.25
			16-QAM	RB75#0	13.481	14.685	11.26
		MCH	QPSK	RB75#0	13.422	14.663	11.27
			16-QAM	RB75#0	13.446	14.641	11.28
		HCH	QPSK	RB75#0	13.397	14.724	11.29
			16-QAM	RB75#0	13.443	14.652	11.30

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	1.081	1.232	12.1
			16-QAM	RB6#0	1.089	1.23	12.2
		MCH	QPSK	RB6#0	1.084	1.232	12.3
			16-QAM	RB6#0	1.082	1.223	12.4
		HCH	QPSK	RB6#0	1.089	1.226	12.5
			16-QAM	RB6#0	1.089	1.245	12.6
	3 MHz	LCH	QPSK	RB15#0	2.703	3.039	12.7
			16-QAM	RB15#0	2.702	3.028	12.8
		MCH	QPSK	RB15#0	2.706	2.985	12.9
			16-QAM	RB15#0	2.696	3	12.10
		HCH	QPSK	RB15#0	2.706	3.015	12.11
			16-QAM	RB15#0	2.694	3.002	12.12
	5 MHz	LCH	QPSK	RB25#0	4.51	4.972	12.13
			16-QAM	RB25#0	4.501	4.958	12.14
		MCH	QPSK	RB25#0	4.496	4.969	12.15
			16-QAM	RB25#0	4.514	4.983	12.16
		HCH	QPSK	RB25#0	4.488	4.948	12.17
			16-QAM	RB25#0	4.498	4.966	12.18
	10 MHz	MCH	QPSK	RB50#0	8.984	9.893	12.19
			16-QAM	RB50#0	8.973	9.83	12.20

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 38	5 MHz	LCH	QPSK	RB25#0	4.502	4.997	13.1
			16-QAM	RB25#0	4.514	5.32	13.2
		MCH	QPSK	RB25#0	4.508	5.05	13.3
			16-QAM	RB25#0	4.5	5.128	13.4
		HCH	QPSK	RB25#0	4.497	5.034	13.5
			16-QAM	RB25#0	4.51	5.081	13.6
	10 MHz	LCH	QPSK	RB50#0	9.003	10.287	13.7
			16-QAM	RB50#0	8.994	9.843	13.8
		MCH	QPSK	RB50#0	8.995	10.609	13.9
			16-QAM	RB50#0	8.975	10.646	13.10
		HCH	QPSK	RB50#0	9.016	10.647	13.11
			16-QAM	RB50#0	9.004	10.705	13.12
	15 MHz	LCH	QPSK	RB75#0	13.499	15.061	13.13
			16-QAM	RB75#0	13.471	15.117	13.14
		MCH	QPSK	RB75#0	13.461	15.667	13.15
			16-QAM	RB75#0	13.537	15.722	13.16
		HCH	QPSK	RB75#0	13.445	15.63	13.17
			16-QAM	RB75#0	13.512	14.952	13.18
	20 MHz	LCH	QPSK	RB100#0	18.005	20.711	13.19
			16-QAM	RB100#0	17.964	20.144	13.20
		MCH	QPSK	RB100#0	17.941	19.658	13.21
			16-QAM	RB100#0	17.985	21.448	13.22
		HCH	QPSK	RB100#0	17.976	20.476	13.23
			16-QAM	RB100#0	17.949	20.186	13.24

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 41	5 MHz	LCH	QPSK	RB25#0	4.499	4.989	14.1
			16-QAM	RB25#0	4.515	5.33	14.2
		MCH	QPSK	RB25#0	4.502	5.059	14.3
			16-QAM	RB25#0	4.499	5.098	14.4
		HCH	QPSK	RB25#0	4.497	5.108	14.5
			16-QAM	RB25#0	4.512	5.166	14.6
	10 MHz	LCH	QPSK	RB50#0	8.994	10.208	14.7
			16-QAM	RB50#0	8.993	9.809	14.8
		MCH	QPSK	RB50#0	9.003	10.588	14.9
			16-QAM	RB50#0	8.981	10.642	14.10
		HCH	QPSK	RB50#0	9	10.352	14.11
			16-QAM	RB50#0	8.999	10.589	14.12
	15 MHz	LCH	QPSK	RB75#0	13.493	14.961	14.13
			16-QAM	RB75#0	13.472	15.142	14.14
		MCH	QPSK	RB75#0	13.452	15.509	14.15
			16-QAM	RB75#0	13.544	16.084	14.16
		HCH	QPSK	RB75#0	13.452	15.584	14.17
			16-QAM	RB75#0	13.52	15.259	14.18
	20 MHz	LCH	QPSK	RB100#0	17.991	20.518	14.19
			16-QAM	RB100#0	17.961	20.201	14.20
		MCH	QPSK	RB100#0	17.94	19.602	14.21
			16-QAM	RB100#0	17.983	21.838	14.22
		HCH	QPSK	RB100#0	17.981	20.861	14.23
			16-QAM	RB100#0	17.958	20.319	14.24

Test Channel	Modulation	PCC RB		SCC RB		Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
		Size	Offset	Size	Offset			
CA_41C								
5MHz+20MHz								
Mid	QPSK	25	0	100	0	23.03	25.78	15.1
	16-QAM	25	0	100	0	23	26.26	15.2
20MHz+5MHz								
Mid	QPSK	100	0	25	0	23.06	25.03	15.3
	16-QAM	100	0	25	0	22.99	25.04	15.4
10MHz+20MHz								
Mid	QPSK	50	0	100	0	27.88	30.92	15.5
	16-QAM	50	0	100	0	27.87	30.72	15.6
20MHz+10MHz								
Mid	QPSK	100	0	50	0	27.96	32.62	15.7
	16-QAM	100	0	50	0	27.88	30.49	15.8
15MHz+15MHz								
Mid	QPSK	75	0	75	0	28.52	33.6	15.9
	16-QAM	75	0	75	0	28.57	32.49	15.10
15MHz+20MHz								
Mid	QPSK	75	0	100	0	32.81	37.71	15.11
	16-QAM	75	0	100	0	32.76	37.87	15.12
20MHz+15MHz								
Mid	QPSK	100	0	75	0	32.81	37.16	15.13
	16-QAM	100	0	75	0	32.78	37.34	15.14
20MHz+20MHz								
Mid	QPSK	100	0	100	0	37.76	44.03	15.15
	16-QAM	100	0	100	0	37.79	47.81	15.16

A.4 Frequency Stability

GSM 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-30	10.4	±2060.5	16.63	±2091.5	13.59	±2122	Pass
	-20	13.59		11.98		8.75		
	-10	10.46		11.46		9.62		
	0	11.33		11.04		12.17		
	10	12.53		16.08		12.07		
	20	9.01		15.79		13.08		
	25	12.27		17.08		11.27		
	30	11.91		17.47		12.4		
	40	9.3		13.59		15.05		
	50	12.66		12.53		13.43		
4.45	25	15.92		13.79		12.04		
3.6	25	9.1		14.75		11.46		

GSM 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-30	8.14	±4625.5	6.94	±4700.0	12.27	±4774.5	Pass
	-20	8.1		8.65		10.49		
	-10	13.82		9.62		11.01		
	0	9.75		10.56		7.97		
	10	12.72		10.01		13.37		
	20	7.81		10.59		13.14		
	25	13.66		10.36		10.36		
	30	8.33		7.97		11.36		
	40	10.14		7.85		11.91		
	50	11.17		8.78		14.72		
4.45	25	7.39		9.17		8.39		
3.6	25	8.2		6.46		14.59		

GPRS 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-30	18.85	±2060.5	19.27	±2091.5	19.69	±2122	Pass
	-20	19.18		19.18		19.5		
	-10	17.98		20.7		20.79		
	0	17.63		20.86		21.63		
	10	18.08		19.21		20.92		
	20	17.08		19.86		16.76		
	25	18.02		19.18		20.44		
	30	17.14		19.24		19.27		
	40	18.05		18.66		21.21		
	50	16.01		18.66		20.4		
4.45	25	18.56		19.76		20.02		
3.6	25	18.79		19.95		19.31		

GPRS 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-30	18.14	±4625.5	17.18	±4700.0	23.12	±4774.5	Pass
	-20	16.01		15.72		20.47		
	-10	14.4		16.53		20.15		
	0	17.76		18.89		21.18		
	10	18.89		16.24		20.95		
	20	17.53		17.82		20.37		
	25	17.69		14.92		22.47		
	30	17.76		17.98		22.47		
	40	17.11		15.4		18.53		
	50	14.46		15.59		21.95		
4.45	25	16.34		15.53		20.79		
3.6	25	18.21		15.37		23.21		

EGPRS 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-30	16.43	±2060.5	17.56	±2091.5	19.37	±2122	Pass
	-20	19.73		21.15		21.5		
	-10	20.7		19.89		20.95		
	0	19.76		19.37		18.05		
	10	20.21		19.27		21.24		
	20	17.95		20.86		21.86		
	25	20.99		17.72		21.57		
	30	17.08		19.05		20.73		
	40	18.69		20.02		21.41		
	50	18.21		19.31		21.08		
4.45	25	18.85		19.05		18.6		
3.6	25	18.53		17.14		23.86		

EGPRS 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.87	-30	17.98	±4625.5	20.28	±4700.0	27.51	±4774.5	Pass
	-20	16.92		20.47		21.86		
	-10	16.85		20.92		23.76		
	0	16.63		22.37		21.92		
	10	21.63		24.83		24.18		
	20	20.79		24.38		23.54		
	25	20.95		18.56		23.92		
	30	13.95		20.47		23.7		
	40	19.34		21.63		23.5		
	50	17.98		22.79		20.28		
4.45	25	18.34		19.92		23.18		
3.6	25	18.47		16.56		22.24		

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)	
3.87	-30	12.29	±4281	0.54	±4331	-10.17	±4381.5	Pass
	-20	11.88		1.58		-10.11		
	-10	11.12		1.35		-9.63		
	0	11.02		1.57		-9.55		
	10	11.62		1.07		-8.68		
	20	11.96		1.69		-8.75		
	25	10.85		1.07		-9.64		
	30	10.67		1.27		-8.75		
	40	10.99		1.09		-7.87		
	50	10.01		0.87		-8.32		
4.45	25	10.35		1.02		-8.06		
3.6	25	9.06		0.71		-8.48		

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)	
3.87	-30	0.9	±2066	-0.04	±2091	-1.51	±2116.5	Pass
	-20	0.2		0.25		-1.83		
	-10	0.93		-0.32		-2.05		
	0	0.91		0.08		-1.6		
	10	0.88		-0.14		-1.47		
	20	0.64		-0.11		-1.4		
	25	0.43		-0.35		-1.42		
	30	0.27		-0.05		-1.66		
	40	0.74		-0.33		-1.42		
	50	0.91		0.05		-1.92		
4.45	25	0.62		-0.18		-1.57		
3.6	25	0.87		-0.18		-1.53		

LTE Band 4 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	0.53	±4331.25	Pass
	-20	-0.92		
	-10	-1.24		
	0	-0.74		
	10	-1		
	20	-0.82		
	25	-1.17		
	30	-1.75		
	40	-1.79		
	50	-2.22		
4.45	25	-0.83		
3.6	25	-0.64		

LTE Band 4 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	-0.79	±4331.25	Pass
	-20	0.31		
	-10	-1.23		
	0	-0.82		
	10	-1.6		
	20	-0.72		
	25	-2.65		
	30	-2.66		
	40	-1.87		
	50	-2.26		
4.45	25	-1.82		
3.6	25	-0.33		

LTE Band 5 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	0.72	±2091.25	Pass
	-20	0.13		
	-10	0.77		
	0	-0.53		
	10	0.09		
	20	0.43		
	25	-0.3		
	30	0.06		
	40	0.24		
	50	-0.31		
4.45	25	-0.11		
3.6	25	-0.67		

LTE Band 5 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	-0.54	±2091.25	Pass
	-20	0.82		
	-10	1.12		
	0	0.21		
	10	0.1		
	20	0.9		
	25	0.33		
	30	-0.27		
	40	0.43		
	50	0.24		
4.45	25	-0.7		
3.6	25	0.01		

LTE Band 12 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	-0.44	±1768.75	Pass
	-20	-0.72		
	-10	0.41		
	0	-0.11		
	10	-0.92		
	20	-0.83		
	25	-0.67		
	30	-0.11		
	40	-0.72		
	50	-0.26		
4.45	25	-0.31		
3.6	25	-0.17		

LTE Band 12 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	-0.06	±1768.75	Pass
	-20	-0.67		
	-10	0.47		
	0	-0.09		
	10	0.54		
	20	0.43		
	25	0.09		
	30	-0.1		
	40	-0.46		
	50	0.16		
4.45	25	-0.17		
3.6	25	-0.04		

LTE Band 17 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 710 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	0.09	±1775	Pass
	-20	-1.02		
	-10	-1.27		
	0	-1		
	10	-0.72		
	20	-1.17		
	25	-1.02		
	30	-1.1		
	40	-0.03		
	50	-0.17		
4.45	25	-0.3		
3.6	25	-0.8		

LTE Band 17 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 710 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	-0.04	±1775	Pass
	-20	-1.54		
	-10	-1.32		
	0	-1.02		
	10	-0.97		
	20	-0.83		
	25	-1.5		
	30	-0.49		
	40	-0.5		
	50	-0.11		
4.45	25	-0.44		
3.6	25	-0.06		

LTE Band 26 (Part22) QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	0.21	±2091.25	Pass
	-20	0.26		
	-10	0.19		
	0	-0.21		
	10	-0.36		
	20	0.56		
	25	0.46		
	30	0.83		
	40	-0.41		
	50	-0.56		
4.45	25	-0.76		
3.6	25	-0.82		

LTE Band 26 (Part22) 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 819 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	2.07	±2091.25	Pass
	-20	0.3		
	-10	1.29		
	0	-0.57		
	10	-0.5		
	20	0.99		
	25	-0.01		
	30	0.49		
	40	0.16		
	50	-0.47		
4.45	25	-1.24		
3.6	25	-1.27		

LTE Band 26 (Part90) QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 819 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	1.54	±2047.5	Pass
	-20	2.5		
	-10	1.83		
	0	0.54		
	10	1.37		
	20	0.66		
	25	1.39		
	30	2.27		
	40	0.8		
	50	0.72		
4.45	25	1.07		
3.6	25	-0.21		

LTE Band 26 (Part90) 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	1.16	±2047.5	Pass
	-20	0.77		
	-10	-0.09		
	0	1.03		
	10	0.3		
	20	0.64		
	25	2.32		
	30	1.14		
	40	1.29		
	50	1.1		
4.45	25	1.03		
3.6	25	1.6		

LTE Band 38 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2595 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	-3.63	±6487.5	Pass
	-20	-4.12		
	-10	-3.23		
	0	-2.47		
	10	-3.88		
	20	-3.83		
	25	-3.39		
	30	-4.23		
	40	-5.89		
	50	-6.11		
4.45	25	-6.01		
3.6	25	-4.62		

LTE Band 38 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2595 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	-2.69	±6487.5	Pass
	-20	-4.08		
	-10	-3.23		
	0	-4.46		
	10	-3.59		
	20	-3.55		
	25	-4.66		
	30	-2.56		
	40	-3.6		
	50	-5.35		
4.45	25	-4.59		
3.6	25	-4.19		

LTE Band 41 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2593 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	-3.32	±6482.5	Pass
	-20	-2.03		
	-10	-2.88		
	0	-3.75		
	10	-2.86		
	20	-2.39		
	25	-3.99		
	30	-3.72		
	40	-2.22		
	50	-1.79		
4.45	25	-2.76		
3.6	25	-1.72		

LTE Band 41 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2593 MHz		
		Value (Hz)	Limits (Hz)	
3.87	-30	-2.96	±6482.5	Pass
	-20	-2.65		
	-10	-2.72		
	0	-4.05		
	10	-4.23		
	20	-3.13		
	25	-2		
	30	-1.72		
	40	-2.4		
	50	-2.43		
4.45	25	-2.86		
3.6	25	-1.69		

CA_41C QPSK 20MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2590.5 MHz		SCC MCH 2602.2 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.87	-30	6.49	±6,476.25	-8.74	±6,505.5	Pass
	-20	7.79		-11.4		
	-10	9		-13.65		
	0	8.44		-12.62		
	10	8.64		-14.06		
	20	8.31		-11.63		
	25	8.43		-11.20		
	30	8.04		-11.59		
	40	8.63		-11.94		
	50	8.27		-10.57		
4.45	25	8.97		-10.46		
3.6	25	9.6		-11.52		

CA_41C 16QAM 20MHz+5MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2590.5 MHz		SCC MCH 2602.2 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.87	-30	11.23	±6,476.25	-13.5	±6,505.5	Pass
	-20	10.39		-15.32		
	-10	12		-12.97		
	0	11.1		-13.93		
	10	13.13		-15.75		
	20	11.5		-14.63		
	25	10.76		-16.04		
	30	10.4		-14.58		
	40	10.2		-14.08		
	50	12.46		-13.45		
4.45	25	10.51		-13.10		
3.6	25	10.86		-14.09		

CA_41C QPSK 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2583.1 MHz		SCC MCH 2602.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.87	-30	22.45	±6,457.75	-10.94	±6,507.25	Pass
	-20	22.83		-10.33		
	-10	22.39		-10.86		
	0	22.87		-9.28		
	10	23.95		-11.04		
	20	24.12		-11.92		
	25	23.46		-11.80		
	30	22.93		-9.91		
	40	23.49		-11.83		
	50	22.56		-10.66		
4.45	25	24.60		-12.26		
3.6	25	24.23		-11.1		

CA_41C 16QAM 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2583.1 MHz		SCC MCH 2602.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
3.87	-30	23.23	±6,457.75	-13.19	±6,507.25	Pass
	-20	21.09		-15.19		
	-10	21.8		-13.4		
	0	21.56		-13.28		
	10	20.4		-14.46		
	20	23.29		-14.86		
	25	22.29		-13.93		
	30	23.33		-13.68		
	40	22.26		-14.45		
	50	22.75		-14.26		
4.45	25	22.83		-13.88		
3.6	25	21.5		-14.53		

A.5 Spurious Emission at Antenna Terminals

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

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

Note 3: Test plots please refer to the document “Annex No.:BL-SZ22B0814-501 Data Part 3.pdf”.

GSM and WCDMA Mode Test Verdict

Test Band	Test Channel	Refer to Plot[Note3]	Verdict
GSM 850	LCH	1.1	Pass
	MCH	1.2	Pass
	HCH	1.3	Pass
GSM 1900	LCH	2.1	Pass
	MCH	2.2	Pass
	HCH	2.3	Pass
EGPRS 850	LCH	3.1	Pass
	MCH	3.2	Pass
	HCH	3.3	Pass
EGPRS 1900	LCH	4.1	Pass
	MCH	4.2	Pass
	HCH	4.3	Pass
WCDMA Band 4	LCH	5.1	Pass
	MCH	5.2	Pass
	HCH	5.3	Pass
WCDMA Band 5	LCH	6.1	Pass
	MCH	6.2	Pass
	HCH	6.3	Pass

LTE Mode Test Verdict

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	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
	15 MHz	LCH	QPSK	RB1#0	7.25	Pass
			16-QAM	RB1#0	7.26	Pass
		MCH	QPSK	RB1#0	7.27	Pass
			16-QAM	RB1#0	7.28	Pass
		HCH	QPSK	RB1#0	7.29	Pass
			16-QAM	RB1#0	7.30	Pass
	20 MHz	LCH	QPSK	RB1#0	7.31	Pass
			16-QAM	RB1#0	7.32	Pass
		MCH	QPSK	RB1#0	7.33	Pass
			16-QAM	RB1#0	7.34	Pass
		HCH	QPSK	RB1#0	7.35	Pass
			16-QAM	RB1#0	7.36	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note3]	Verdict
Band 5	1.4 MHz	LCH	QPSK	RB1#0	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
	3 MHz	LCH	QPSK	RB1#0	8.7	Pass
			16-QAM	RB1#0	8.8	Pass
		MCH	QPSK	RB1#0	8.9	Pass
			16-QAM	RB1#0	8.10	Pass
		HCH	QPSK	RB1#0	8.11	Pass
			16-QAM	RB1#0	8.12	Pass
	5 MHz	LCH	QPSK	RB1#0	8.13	Pass
			16-QAM	RB1#0	8.14	Pass
		MCH	QPSK	RB1#0	8.15	Pass
			16-QAM	RB1#0	8.16	Pass
		HCH	QPSK	RB1#0	8.17	Pass
			16-QAM	RB1#0	8.18	Pass
	10 MHz	LCH	QPSK	RB1#0	8.19	Pass
			16-QAM	RB1#0	8.20	Pass
		MCH	QPSK	RB1#0	8.21	Pass
			16-QAM	RB1#0	8.22	Pass
		HCH	QPSK	RB1#0	8.23	Pass
			16-QAM	RB1#0	8.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note3]	Verdict
Band 12	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

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note3]	Verdict
Band 17	5 MHz	LCH	QPSK	RB1#0	10.1	Pass
			16-QAM	RB1#0	10.2	Pass
		MCH	QPSK	RB1#0	10.3	Pass
			16-QAM	RB1#0	10.4	Pass
		HCH	QPSK	RB1#0	10.5	Pass
			16-QAM	RB1#0	10.6	Pass
	10 MHz	LCH	QPSK	RB1#0	10.7	Pass
			16-QAM	RB1#0	10.8	Pass
		MCH	QPSK	RB1#0	10.9	Pass
			16-QAM	RB1#0	10.10	Pass
		HCH	QPSK	RB1#0	10.11	Pass
			16-QAM	RB1#0	10.12	Pass

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	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	LCH	QPSK	RB1#0	11.19	Pass
			16-QAM	RB1#0	11.20	Pass
		MCH	QPSK	RB1#0	11.21	Pass
			16-QAM	RB1#0	11.22	Pass
		HCH	QPSK	RB1#0	11.23	Pass
			16-QAM	RB1#0	11.24	Pass
	15 MHz	LCH	QPSK	RB1#0	11.25	Pass
			16-QAM	RB1#0	11.26	Pass
		MCH	QPSK	RB1#0	11.27	Pass
			16-QAM	RB1#0	11.28	Pass
		HCH	QPSK	RB1#0	11.29	Pass
			16-QAM	RB1#0	11.30	Pass
			16-QAM	RB1#0	11.31	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	12.1	Pass
			16-QAM	RB1#0	12.2	Pass
		MCH	QPSK	RB1#0	12.3	Pass
			16-QAM	RB1#0	12.4	Pass
		HCH	QPSK	RB1#0	12.5	Pass
			16-QAM	RB1#0	12.6	Pass
	3 MHz	LCH	QPSK	RB1#0	12.7	Pass
			16-QAM	RB1#0	12.8	Pass
		MCH	QPSK	RB1#0	12.9	Pass
			16-QAM	RB1#0	12.10	Pass
		HCH	QPSK	RB1#0	12.11	Pass
			16-QAM	RB1#0	12.12	Pass
	5 MHz	LCH	QPSK	RB1#0	12.13	Pass
			16-QAM	RB1#0	12.14	Pass
		MCH	QPSK	RB1#0	12.15	Pass
			16-QAM	RB1#0	12.16	Pass
		HCH	QPSK	RB1#0	12.17	Pass
			16-QAM	RB1#0	12.18	Pass
	10 MHz	MCH	QPSK	RB1#0	12.19	Pass
			16-QAM	RB1#0	12.20	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note3]	Verdict
Band 38	5 MHz	LCH	QPSK	RB1#0	13.1	Pass
			16-QAM	RB1#0	13.2	Pass
		MCH	QPSK	RB1#0	13.3	Pass
			16-QAM	RB1#0	13.4	Pass
		HCH	QPSK	RB1#0	13.5	Pass
			16-QAM	RB1#0	13.6	Pass
	10 MHz	LCH	QPSK	RB1#0	13.7	Pass
			16-QAM	RB1#0	13.8	Pass
		MCH	QPSK	RB1#0	13.9	Pass
			16-QAM	RB1#0	13.10	Pass
		HCH	QPSK	RB1#0	13.11	Pass
			16-QAM	RB1#0	13.12	Pass
	15 MHz	LCH	QPSK	RB1#0	13.13	Pass
			16-QAM	RB1#0	13.14	Pass
		MCH	QPSK	RB1#0	13.15	Pass
			16-QAM	RB1#0	13.16	Pass
		HCH	QPSK	RB1#0	13.17	Pass
			16-QAM	RB1#0	13.18	Pass
	20 MHz	LCH	QPSK	RB1#0	13.19	Pass
			16-QAM	RB1#0	13.20	Pass
		MCH	QPSK	RB1#0	13.21	Pass
			16-QAM	RB1#0	13.22	Pass
		HCH	QPSK	RB1#0	13.23	Pass
			16-QAM	RB1#0	13.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note3]	Verdict
Band 41	5 MHz	LCH	QPSK	RB1#0	14.1	Pass
			16-QAM	RB1#0	14.2	Pass
		MCH	QPSK	RB1#0	14.3	Pass
			16-QAM	RB1#0	14.4	Pass
		HCH	QPSK	RB1#0	14.5	Pass
			16-QAM	RB1#0	14.6	Pass
	10 MHz	LCH	QPSK	RB1#0	14.7	Pass
			16-QAM	RB1#0	14.8	Pass
		MCH	QPSK	RB1#0	14.9	Pass
			16-QAM	RB1#0	14.10	Pass
		HCH	QPSK	RB1#0	14.11	Pass
			16-QAM	RB1#0	14.12	Pass
	15 MHz	LCH	QPSK	RB1#0	14.13	Pass
			16-QAM	RB1#0	14.14	Pass
		MCH	QPSK	RB1#0	14.15	Pass
			16-QAM	RB1#0	14.16	Pass
		HCH	QPSK	RB1#0	14.17	Pass
			16-QAM	RB1#0	14.18	Pass
	20 MHz	LCH	QPSK	RB1#0	14.19	Pass
			16-QAM	RB1#0	14.20	Pass
		MCH	QPSK	RB1#0	14.21	Pass
			16-QAM	RB1#0	14.22	Pass
		HCH	QPSK	RB1#0	14.23	Pass
			16-QAM	RB1#0	14.24	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot[Note2]	Verdict
		Size	Offset	Size	Offset		
CA_41C							
20MHz+5MHz							
Low	QPSK	1	0	1	24	15.1	Pass
		100	0	25	0	15.2	Pass
	16QAM	1	0	1	24	15.3	Pass
		100	0	25	0	15.4	Pass
Mid	QPSK	1	0	1	24	15.5	Pass
		100	0	25	0	15.6	Pass
	16QAM	1	0	1	24	15.7	Pass
		100	0	25	0	15.8	Pass
High	QPSK	1	0	1	24	15.9	Pass
		100	0	25	0	15.10	Pass
	16QAM	1	0	1	24	15.11	Pass
		100	0	25	0	15.12	Pass
20MHz+20MHz							
Low	QPSK	1	0	1	99	15.13	Pass
		100	0	100	0	15.14	Pass
	16QAM	1	0	1	99	15.15	Pass
		100	0	100	0	15.16	Pass
Mid	QPSK	1	0	1	99	15.17	Pass
		100	0	100	0	15.18	Pass
	16QAM	1	0	1	99	15.19	Pass
		100	0	100	0	15.20	Pass
High	QPSK	1	0	1	99	15.21	Pass
		100	0	100	0	15.22	Pass
	16QAM	1	0	1	99	15.23	Pass
		100	0	100	0	15.24	Pass

A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.:BL-SZ22B0814-501 Data Part 4.pdf”.

GSM and WCDMA Mode Test Verdict

Test Band	Test Channel	Refer to Plot[Note1]	Verdict
GSM 850	LCH	1.1	Pass
	HCH	1.2	Pass
GSM 1900	LCH	2.1	Pass
	HCH	2.2	Pass
EGPRS 850	LCH	3.1	Pass
	HCH	3.2	Pass
EGPRS 1900	LCH	4.1	Pass
	HCH	4.2	Pass
WCDMA Band 4	LCH	5.1	Pass
	HCH	5.2	Pass
WCDMA Band 5	LCH	6.1	Pass
	HCH	6.2	Pass

LTE Mode Test Verdict

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	7.1	Pass
				RB6#0	7.2	Pass
			16-QAM	RB1#0	7.3	Pass
				RB6#0	7.4	Pass
		HCH	QPSK	RB1#5	7.5	Pass
				RB6#0	7.6	Pass
			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
			16-QAM	RB1#0	7.11	Pass
				RB15#0	7.12	Pass
		HCH	QPSK	RB1#14	7.13	Pass
				RB15#0	7.14	Pass
			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
			16-QAM	RB1#0	7.19	Pass
				RB25#0	7.20	Pass
		HCH	QPSK	RB1#24	7.21	Pass
				RB25#0	7.22	Pass
			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
			16-QAM	RB1#0	7.27	Pass
				RB50#0	7.28	Pass
		HCH	QPSK	RB1#49	7.29	Pass
				RB50#0	7.30	Pass
			16-QAM	RB1#49	7.31	Pass
				RB50#0	7.32	Pass
	15 MHz	LCH	QPSK	RB1#0	7.33	Pass
				RB75#0	7.34	Pass
			16-QAM	RB1#0	7.35	Pass
				RB75#0	7.36	Pass
		HCH	QPSK	RB1#74	7.37	Pass
				RB75#0	7.38	Pass
			16-QAM	RB1#74	7.39	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note1]	Verdict
				RB75#0	7.40	Pass
	20 MHz	LCH	QPSK	RB1#0	7.41	Pass
				RB100#0	7.42	Pass
			16-QAM	RB1#0	7.43	Pass
				RB100#0	7.44	Pass
		HCH	QPSK	RB1#99	7.45	Pass
				RB100#0	7.46	Pass
			16-QAM	RB1#99	7.47	Pass
				RB100#0	7.48	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	8.1	Pass
				RB6#0	8.2	Pass
			16-QAM	RB1#0	8.3	Pass
				RB6#0	8.4	Pass
		HCH	QPSK	RB1#5	8.5	Pass
				RB6#0	8.6	Pass
			16-QAM	RB1#5	8.7	Pass
				RB6#0	8.8	Pass
	3 MHz	LCH	QPSK	RB1#0	8.9	Pass
				RB15#0	8.10	Pass
			16-QAM	RB1#0	8.11	Pass
				RB15#0	8.12	Pass
		HCH	QPSK	RB1#14	8.13	Pass
				RB15#0	8.14	Pass
			16-QAM	RB1#14	8.15	Pass
				RB15#0	8.16	Pass
	5 MHz	LCH	QPSK	RB1#0	8.17	Pass
				RB25#0	8.18	Pass
			16-QAM	RB1#0	8.19	Pass
				RB25#0	8.20	Pass
		HCH	QPSK	RB1#24	8.21	Pass
				RB25#0	8.22	Pass
			16-QAM	RB1#24	8.23	Pass
				RB25#0	8.24	Pass
	10 MHz	LCH	QPSK	RB1#0	8.25	Pass
				RB50#0	8.26	Pass
			16-QAM	RB1#0	8.27	Pass
				RB50#0	8.28	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note1]	Verdict
		HCH	QPSK	RB1#49	8.29	Pass
				RB50#0	8.30	Pass
			16-QAM	RB1#49	8.31	Pass
				RB50#0	8.32	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	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

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note1]	Verdict
Band 17	5 MHz	LCH	QPSK	RB1#0	10.1	Pass
				RB25#0	10.2	Pass
			16-QAM	RB1#0	10.3	Pass
				RB25#0	10.4	Pass
		HCH	QPSK	RB1#24	10.5	Pass
				RB25#0	10.6	Pass
			16-QAM	RB1#24	10.7	Pass
				RB25#0	10.8	Pass
	10 MHz	LCH	QPSK	RB1#0	10.9	Pass
				RB50#0	10.10	Pass
			16-QAM	RB1#0	10.11	Pass
				RB50#0	10.12	Pass
		HCH	QPSK	RB1#49	10.13	Pass
				RB50#0	10.14	Pass
			16-QAM	RB1#49	10.15	Pass
				RB50#0	10.16	Pass

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	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	LCH	QPSK	RB1#0	11.25	Pass
				RB50#0	11.26	Pass
			16-QAM	RB1#0	11.27	Pass
				RB50#0	11.28	Pass
		HCH	QPSK	RB1#49	11.29	Pass
				RB50#0	11.30	Pass
			16-QAM	RB1#49	11.31	Pass
				RB50#0	11.32	Pass
	15 MHz	LCH	QPSK	RB1#0	11.33	Pass
				RB75#0	11.34	Pass
			16-QAM	RB1#0	11.35	Pass
				RB75#0	11.36	Pass
		HCH	QPSK	RB1#74	11.37	Pass
				RB75#0	11.38	Pass
			16-QAM	RB1#74	11.39	Pass
				RB75#0	11.40	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note1]		Verdict
					In-band	Out-of-band	
Band 26 (Part90)	1.4 MHz	LCH	QPSK	RB1#0	12.1	13.1	Pass
				RB6#0	12.2	13.2	Pass
			16-QAM	RB1#0	12.3	13.3	Pass
				RB6#0	12.4	13.4	Pass
		HCH	QPSK	RB1#5	12.5	13.5	Pass
				RB6#0	12.6	13.6	Pass
			16-QAM	RB1#5	12.7	13.7	Pass
				RB6#0	12.8	13.8	Pass
	3 MHz	LCH	QPSK	RB1#0	12.9	13.9	Pass
				RB15#0	12.10	13.10	Pass
			16-QAM	RB1#0	12.11	13.11	Pass
				RB15#0	12.12	13.12	Pass
		HCH	QPSK	RB1#14	12.13	13.13	Pass
				RB15#0	12.14	13.14	Pass
			16-QAM	RB1#14	12.15	13.15	Pass
				RB15#0	12.16	13.16	Pass
	5 MHz	LCH	QPSK	RB1#0	12.17	13.17	Pass
				RB25#0	12.18	13.18	Pass
			16-QAM	RB1#0	12.19	13.19	Pass
				RB25#0	12.20	13.20	Pass
		HCH	QPSK	RB1#24	12.21	13.21	Pass
				RB25#0	12.22	13.22	Pass
			16-QAM	RB1#24	12.23	13.23	Pass
				RB25#0	12.24	13.24	Pass
	10 MHz	MCH	QPSK	RB1#0	12.25	13.25	Pass
				RB50#0	12.26	13.26	Pass
			16-QAM	RB1#0	12.27	13.27	Pass
				RB50#0	12.28	13.28	Pass
		MCH	QPSK	RB1#49	12.29	13.29	Pass
				RB50#0	12.30	13.30	Pass
			16-QAM	RB1#49	12.31	13.31	Pass
				RB50#0	12.32	13.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note1]	Verdict
Band 38	5 MHz	LCH	QPSK	RB1#0	14.1	Pass
				RB25#0	14.2	Pass
			16-QAM	RB1#0	14.3	Pass
				RB25#0	14.4	Pass
		HCH	QPSK	RB1#24	14.5	Pass
				RB25#0	14.6	Pass
			16-QAM	RB1#24	14.7	Pass
				RB25#0	14.8	Pass
	10 MHz	LCH	QPSK	RB1#0	14.9	Pass
				RB50#0	14.10	Pass
			16-QAM	RB1#0	14.11	Pass
				RB50#0	14.12	Pass
		HCH	QPSK	RB1#49	14.13	Pass
				RB50#0	14.14	Pass
			16-QAM	RB1#49	14.15	Pass
				RB50#0	14.16	Pass
	15 MHz	LCH	QPSK	RB1#0	14.17	Pass
				RB75#0	14.18	Pass
			16-QAM	RB1#0	14.19	Pass
				RB75#0	14.20	Pass
		HCH	QPSK	RB1#74	14.21	Pass
				RB75#0	14.22	Pass
			16-QAM	RB1#74	14.23	Pass
				RB75#0	14.24	Pass
	20 MHz	LCH	QPSK	RB1#0	14.25	Pass
				RB100#0	14.26	Pass
			16-QAM	RB1#0	14.27	Pass
				RB100#0	14.28	Pass
		HCH	QPSK	RB1#99	14.29	Pass
				RB100#0	14.30	Pass
			16-QAM	RB1#99	14.31	Pass
				RB100#0	14.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note1]	Verdict
Band 41	5 MHz	LCH	QPSK	RB1#0	15.1	Pass
				RB25#0	15.2	Pass
			16-QAM	RB1#0	15.3	Pass
				RB25#0	15.4	Pass
		HCH	QPSK	RB1#24	15.5	Pass
				RB25#0	15.6	Pass
			16-QAM	RB1#24	15.7	Pass
				RB25#0	15.8	Pass
	10 MHz	LCH	QPSK	RB1#0	15.9	Pass
				RB50#0	15.10	Pass
			16-QAM	RB1#0	15.11	Pass
				RB50#0	15.12	Pass
		HCH	QPSK	RB1#49	15.13	Pass
				RB50#0	15.14	Pass
			16-QAM	RB1#49	15.15	Pass
				RB50#0	15.16	Pass
	15 MHz	LCH	QPSK	RB1#0	15.17	Pass
				RB75#0	15.18	Pass
			16-QAM	RB1#0	15.19	Pass
				RB75#0	15.20	Pass
		HCH	QPSK	RB1#74	15.21	Pass
				RB75#0	15.22	Pass
			16-QAM	RB1#74	15.23	Pass
				RB75#0	15.24	Pass
	20 MHz	LCH	QPSK	RB1#0	15.25	Pass
				RB100#0	15.26	Pass
			16-QAM	RB1#0	15.27	Pass
				RB100#0	15.28	Pass
		HCH	QPSK	RB1#99	15.29	Pass
				RB100#0	15.30	Pass
			16-QAM	RB1#99	15.31	Pass
				RB100#0	15.32	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot[Note2]	Verdict
		Size	Offset	Size	Offset		
CA_41C							
20MHz+5MHz							
Low	QPSK	1	0	1	0	16.1	Pass
		1	0	1	24	16.2	Pass
		100	0	25	0	16.3	Pass
	16-QAM	1	0	1	0	16.4	Pass
		1	0	1	24	16.5	Pass
		100	0	25	0	16.6	Pass
High	QPSK	1	0	1	24	16.7	Pass
		1	99	1	24	16.8	Pass
		100	0	25	0	16.9	Pass
	16-QAM	1	0	1	24	16.10	Pass
		1	99	1	24	16.11	Pass
		100	0	25	0	16.12	Pass
20MHz+20MHz							
Low	QPSK	1	0	1	0	16.13	Pass
		1	0	1	99	16.14	Pass
		100	0	100	0	16.15	Pass
	16-QAM	1	0	1	0	16.16	Pass
		1	0	1	99	16.17	Pass
		100	0	100	0	16.18	Pass
High	QPSK	1	0	1	99	16.19	Pass
		1	99	1	99	16.20	Pass
		100	0	100	0	16.21	Pass
	16-QAM	1	0	1	99	16.22	Pass
		1	99	1	99	16.23	Pass
		100	0	100	0	16.24	Pass

A.7 Field Strength of Spurious Radiation

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

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

Note 3: Test plots please refer to the document “Annex No.:BL-SZ22B0814-501 Data Part 5.pdf”.

GSM and WCDMA Mode Test Verdict

Test Band	Test Channel	Refer to Plot[Note3]	Verdict
GSM 850	LCH	1.1	Pass
	MCH	1.2	Pass
	HCH	1.3	Pass
GSM 1900	LCH	2.1	Pass
	MCH	2.2	Pass
	HCH	2.3	Pass
EGPRS 850	LCH	3.1	Pass
	MCH	3.2	Pass
	HCH	3.3	Pass
EGPRS 1900	LCH	4.1	Pass
	MCH	4.2	Pass
	HCH	4.3	Pass
WCDMA Band 4	LCH	5.1	Pass
	MCH	5.2	Pass
	HCH	5.3	Pass
WCDMA Band 5	LCH	6.1	Pass
	MCH	6.2	Pass
	HCH	6.3	Pass

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot[Note3]	Verdict
Band 4	1.4 MHz	MCH	QPSK	RB1#0	7.1	Pass
	3 MHz	MCH	QPSK	RB1#0	7.2	Pass
	5 MHz	MCH	QPSK	RB1#0	7.3	Pass
	10 MHz	MCH	QPSK	RB1#0	7.4	Pass
	15 MHz	MCH	QPSK	RB1#0	7.5	Pass
	20 MHz	MCH	QPSK	RB1#0	7.6	Pass
Band 5	1.4 MHz	MCH	QPSK	RB1#0	8.1	Pass
	3 MHz	MCH	QPSK	RB1#0	8.2	Pass
	5 MHz	MCH	QPSK	RB1#0	8.3	Pass
	10 MHz	MCH	QPSK	RB1#0	8.4	Pass
Band 12	1.4 MHz	MCH	QPSK	RB1#0	9.1	Pass
	3 MHz	MCH	QPSK	RB1#0	9.2	Pass
	5 MHz	MCH	QPSK	RB1#0	9.3	Pass
	10 MHz	MCH	QPSK	RB1#0	9.4	Pass
Band 17	5 MHz	MCH	QPSK	RB1#0	10.1	Pass
	10 MHz	MCH	QPSK	RB1#0	10.2	Pass
Band 26 (Part22)	1.4 MHz	MCH	QPSK	RB1#0	11.1	Pass
	3 MHz	MCH	QPSK	RB1#0	11.2	Pass
	5 MHz	MCH	QPSK	RB1#0	11.3	Pass
	10 MHz	MCH	QPSK	RB1#0	11.4	Pass
	15 MHz	MCH	QPSK	RB1#0	11.5	Pass
Band 26 (Part90)	1.4 MHz	MCH	QPSK	RB1#0	12.1	Pass
	3 MHz	MCH	QPSK	RB1#0	12.2	Pass
	5 MHz	MCH	QPSK	RB1#0	12.3	Pass
	10 MHz	MCH	QPSK	RB1#0	12.4	Pass
Band 38	5 MHz	MCH	QPSK	RB1#0	13.1	Pass
	10 MHz	MCH	QPSK	RB1#0	13.2	Pass
	15 MHz	MCH	QPSK	RB1#0	13.3	Pass
	20 MHz	MCH	QPSK	RB1#0	13.4	Pass
Band 41	5 MHz	MCH	QPSK	RB1#0	14.1	Pass
	10 MHz	MCH	QPSK	RB1#0	14.2	Pass
	15 MHz	MCH	QPSK	RB1#0	14.3	Pass
	20 MHz	MCH	QPSK	RB1#0	14.4	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot[Note2]	Verdict
		Size	Offset	Size	Offset		
CA_41C							
20MHz+5MHz							
Low	QPSK	1	0	1	24	15.1	Pass
Mid	QPSK	1	0	1	24	15.2	Pass
High	QPSK	1	0	1	24	15.3	Pass
20MHz+20MHz							
Low	QPSK	1	0	1	99	15.4	Pass
Mid	QPSK	1	0	1	99	15.5	Pass
High	QPSK	1	0	1	99	15.6	Pass

ANNEX B TEST SETUP PHOTOS

Please refer to the document “BL-SZ22B0814-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer to the document “BL-SZ22B0814-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer to the document “BL-SZ22B0814-AI.PDF”.

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