FCC RF TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

CDMA/LTE 4G Mobile Phone

ISSUED TO
Hoperun mMax Digital Inc.

4790 Irvine Blvd., Ste. 105-431 Irvine, CA 92620

Report No.:	BL-EC1780083-501
EUT Name:	CDMA/LTE 4G Mobile Phone
Model Name:	S502
Brand Name:	Jabr box
Test Standard:	47 CFR Part 2 (10-1-16 Edition)
	47 CFR Part 22 (10-1-16 Edition)
	47 CFR Part 24 (10-1-16 Edition)
	47 CFR Part 27 (10-1-16 Edition)
	47 CFR Part 90S (10-1-16 Edition)
FCC ID:	2AKQN-S502
Test Conclusion:	Pass
Test Date:	Aug. 14, 2017 ~ Sep. 07, 2017
Date of Issue:	Sep. 22, 2017

Tested by: Heng Aiping
Heng Aiping
(Engineer)
Date Sep. 22, 2017

Approved by:
Liao Jianming
(Technical Director)
Date Sep. 22, 2017

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Revision History

Version	Issue Date	Revisions Content
Rev. 01	Sep. 18, 2017	Initial Issue
Rev. 02	Sep. 22, 2017	Updated test standard for LTE band26 in section 3, section 5 and home page.

TABLE OF CONTENTS

1 GENERAL INFORMATION

1.1 Identification of the Testing 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
Fax Number	+86 755 6182 4271

1.2 Identification of the Responsible Testing Location

Test Location 1	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.
Accreditation Certificate1	The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1. The laboratory is a testing organization accredited by FCC as an accredited testing laboratory. The designation number is CN1196. The laboratory is a testing organization accredited by American Association for Laboratory Accreditation(A2LA) according to ISO/IEC 17025. The accreditation certificate number is 4344.01. The laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L6791.
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

1.3 Test Environment Condition

Ambient Temperature	20 to 35 °C
Ambient Relative Humidity	30 to 60 %
Ambient Pressure	98 to 102KPa

1.4 Announce

(1) The test report reference to the report template version v4.5.

(2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.

(3) The test report is invalid if there is any evidence and/or falsification.

(4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.

(5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.

(6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Hoperun mMax Digital Inc.
Address	4790 Irvine Blvd., Ste. 105-431 Irvine, CA 92620

2.2 Manufacturer Information

Manufacturer	Hoperun mMax Digital Inc.
Address	4790 Irvine Blvd., Ste. 105-431 Irvine, CA 92620

2.3 Factory Information

Factory	Hoperun mMax Digital Inc.
Address	4790 Irvine Blvd., Ste. 105-431 Irvine, CA 92620

2.4 General Description for Equipment under Test (EUT)

EUT Name	CDMA/LTE 4G Mobile Phone
Model Name	S502
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	S502_MAIN_V1.2
Software Version	LLDJ902.1.0_M200
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
Network and Wireless connectivity	CDMA Band Class 0/1/10 EVDO Rel. 0/Rev. A Band Class 0/1/10 4G Network FDD LTE Band 2/4/5/12/13/25/26 TDD LTE Band 41 Bluetooth 2.1+EDR, Bluetooth 4.1 Low Energy (BLE), WIFI 802.11b, 802.11g and 802.11n (HT20/40) GPS
About the Product	The equipment is CDMA/LTE 4G Mobile Phone, intended for used with information technology equipment.

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	Jabr box
	Model No.	LCL2000A
	Serial No.	N/A
	Capacitance	2300 mAh
	Rated Voltage	3.8 V
	Limit Charge Voltage	4.2±0.03 V
Ancillary Equipment 2	Charger	
	Brand Name	Jabr box
	Model Name	RC051057
	Rated Input	100-240 V ~, 50/60 Hz, 200 mA
	Rated Output	5 V ⎓ 1 A
Ancillary Equipment 3	USB Cable	
	Length(Approx.)	1.0 m

2.6 Technical Information

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

Frequency Bands	CDMA Band Class 0/1/10 EVDO Rel. 0/Rev. A Band Class 0/1/10 LTE FDD Band 2/4/5/12/13/25/26/41	
Modulation Type	CDMA	OQPSK, HPSK
	EVDO	QPSK, 8PSK, 16-QAM
	LTE	QPSK
		16QAM
TX Frequency Range	CDMA/EVDO BC0: 824.025 - 848.985 MHz CDMA/EVDO BC1: 1850 – 1910 MHz CDMA/EVDO BC10: 816 - 823.975 MHz LTE FDD Band 2: 1850 - 1910 MHz LTE FDD Band 4: 1710 - 1755 MHz LTE FDD Band 5: 824 - 849 MHz LTE FDD Band 12: 699- 716 MHz LTE FDD Band 13: 777- 787 MHz LTE FDD Band 25: 1850 –1915 MHz LTE FDD Band 26: 814 –849 MHz LTE TDD Band 41: 2496–2690 MHz	
Rx Frequency Range	CDMA/EVDO BC0: 869.025 - 893.985 MHz CDMA/EVDO BC1: 1930 - 1990 MHz CDMA/EVDO BC10: 861 - 868.975 MHz LTE FDD Band 2: 1930 - 1990 MHz LTE FDD Band 4: 2110 - 2155 MHz LTE FDD Band 5: 869 - 894 MHz LTE FDD Band 12: 729- 746 MHz LTE FDD Band 13: 746 - 756 MHz LTE FDD Band 25: 1930–1995 MHz LTE FDD Band 26: 859–894 MHz LTE TDD Band 41: 2496–2690 MHz	
Power Class	CDMA/EVDO BC0: 3 CDMA/EVDO BC1: 3 CDMA/EVDO BC10: 3 LTE FDD Band 2: 3 LTE FDD Band 4: 3 LTE FDD Band 5: 3 LTE FDD Band 12: 3 LTE FDD Band 13: 3 LTE FDD Band 25: 3 LTE FDD Band 26: 3 LTE TDD Band 41: 3	
Antenna Type	PIFA Antenna	

Antenna Gain	CDMA/EVDO BC0:-1.8 dBi CDMA/EVDO BC1:0.2 dBi CDMA/EVDO BC10:-1.4 dBi LTE FDD Band 2: 0.3 dBi LTE FDD Band 4: 0.2 dBi LTE FDD Band 5: -1.4 dBi LTE FDD Band 12: -4.0 dBi LTE FDD Band 13: -2.7 dBi LTE FDD Band 25: 0.2 dBi LTE FDD Band 26: -1.4 dBi LTE FDD Band 41: 0.1 dBi

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

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2 (10－1－16 Edition)	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22 (10－1－16 Edition)	Public Mobile Services
3	47 CFR Part 24 (10－1－16 Edition)	Personal Communications Services
4	47 CFR Part 27 (10－1－16 Edition)	Miscellaneous Wireless Communications Services
5	47 CFR Part 90S (10－1－16 Edition)	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 v02r02	Measurement Guidance for Certification of Licensed Digital Transmitters

3.2 Test Verdict

No.	Description	FCC Part No.	Test Result	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(b) 27.50(c) 27.50(d) 27.50(h)	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	ANNEX A.3	Pass
5	Frequency Stability	2.1055 22.355 24.235 27.54	ANNEX A.4	Pass
6	Spurious Emission at Antenna Terminals	2.1051 22.917 24.238 27.53(c) 27.53(g) 27.53(h) 27.53(m) 90.691	ANNEX A.5	Pass
7	Band Edge	2.1051 22.917 24.238 27.53(c) 27.53(g) 27.53(h) 27.53(m) 90.691	ANNEX A.6	Pass
8	Field Strength of Spurious Radiation	2.1053 22.917 24.238 27.53(c) 27.53(g) 27.53(h) 27.53(m) 90.691	ANNEX A.7	Pass

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Test Voltage of the EUT	NV (Normal Voltage)	3.8 V
	LV (Low Voltage)	3.4 V
	HV (High Voltage)	4.5 V
Test Temperature of the EUT	LT (Low Temperature)	-20 °C
	HT (High Temperature)	+55 °C

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Software /Firmware Version	Cal. Date	Cal. Due
Test Software 1	R&S	CMUgo	N/A	V2.0.1	N/A	N/A
Test Software 2	R&S	CMWRun	N/A	V1.8.9	N/A	N/A
Test Software 3	BALUN	BL410R	N/A	V2.1.1.276	N/A	N/A
Universal Radio Communication Tester	R&S	CMU 200	123666	V5.21	2016.11.08	2017.11.07
Wireless Communications Test Set	R&S	CMW 500	142028	V3.2.73	2017.06.12	2018.06.11
Power Splitter	KMW	DCPD-LDC	1305003215	N/A	N/A	N/A
Power Sensor	R&S	NRP-Z21	103971	N/A	2017.06.12	2018.06.11
Attenuator (20 dB)	KMW	ZA-S1-201	110617091	N/A	N/A	N/A
Attenuator (6 dB)	KMW	ZA-S1-61	1305003189	N/A	N/A	N/A
DC Power Supply	R&S	IT6863A	600014010687210020	N/A	2017.06.12	2018.06.11
Temperature Chamber	AHK	SP20	1412	N/A	2017.07.12	2018.07.11
Spectrum Analyzer	R&S	FSV-30	103118	2.30.SP1	2017.06.12	2018.06.11
Spectrum Analyzer	AGILENT	E4440A	MY45304434	A.11.21	2016.11.08	2017.11.07
Test Software	BALUN	BL410_E	N/A	V16.921	N/A	N/A
Test Antenna-Loop (9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	N/A	2015.07.22	2018.07.21
Test Antenna-Bi-Log (30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	N/A	2015.07.22	2018.07.21
Test Antenna-Biconical	SCHWARZBECK	VHBB9124	9124-594	N/A	2015.08.13	2018.08.12
Test Antenna-LPDA	SCHWARZBECK	VUSLP9111B	9111B-091	N/A	2015.08.13	2018.08.12
Test Antenna-Horn (1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1600	N/A	2016.07.12	2018.07.11
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	N/A	2017.01.06	2018.01.05
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	N/A	2017.02.21	2019.02.20
Shielded Enclosure	ChangNing	CN-130701	130703	N/A	N/A	N/A
EMI Receiver	KEYSIGHT	N9038A	MY532201118	A14.16	2016.09.09	2017.09.08

4.3 Test Configurations

Test Items	Test Mode	Test Channel		
		LCH	MCH	HCH
E.R.P/E.I. R.P	CDMA BC0	v	v	v
	CDMA BC1	v	v	v
	CDMA BC10	v	v	v
	EVDO BC0	v	v	v
	EVDO BC1	v	v	v
	EVDO BC10	v	v	v
Peak to Average Ratio	CDMA BC1	v	v	v
	EVDO BC1	v	v	v
Occupied Bandwidth	CDMA BC0	v	v	v
	CDMA BC1	v	v	v
	CDMA BC10	v	v	v
	EVDO BC0	v	v	v
	EVDO BC1	v	v	v
	EVDO BC10	v	v	v
Frequency Stability	CDMA BC0	v	v	v
	CDMA BC1	v	v	v
	CDMA BC10	v	v	v
	EVDO BC0	v	v	v
	EVDO BC1	v	v	v
	EVDO BC10	v	v	v
Spurious Emission at Antenna Terminals	CDMA BC0	v	v	v
	CDMA BC1	v	v	v
	CDMA BC10	v	v	v
	EVDO BC0	v	v	v
	EVDO BC1	v	v	v
	EVDO BC10	v	v	v
Band Edge	CDMA BC0	v	--	v
	CDMA BC1	v	--	v
	CDMA BC10	v	--	v
	EVDO BC0	v	--	v
	EVDO BC1	v	--	v
	EVDO BC10	v	--	v
Field Strength of Spurious Radiation	CDMA BC0	v	v	v
	CDMA BC1	v	v	v
	CDMA BC10	v	v	v
	EVDO BC0	v	v	v
	EVDO BC1	v	v	v
	EVDO BC10	v	v	v
Note 1: The mark “v” means that this configuration is chosen for testing.				

LTE Band	Bandwidth (MHz)						Modulation		RB#			Test Channel		
	1.4	3	5	10	15	20	QPSK	16-QAM	1	Half	Full	LCH	MCH	HCH
E.R.P/E.I.R.P														
2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
5	v	v	v	v	n	n	v	v	v	v	v	v	v	v
12	v	v	v	v	n	n	v	v	v	v	v	v	v	v
13	n	n	v	v	n	n	v	v	v	v	v	v	v	v
25	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26	v	v	v	v	v	n	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														
2	--	--	--	--	--	v	v	v	v	--	v	v	v	v
4	--	--	--	--	--	v	v	v	v	--	v	v	v	v
5	--	--	--	v	n	n	v	v	v	--	v	v	v	v
12	--	--	--	v	n	n	v	v	v	--	v	v	v	v
13	n	n	--	v	n	n	v	v	v	--	v	v	v	v
25	--	--	--	--	--	v	v	v	v	--	v	v	v	v
26	--	--	--	--	v	n	v	v	v	--	v	v	v	v
41	n	n	--	--	--	v	v	v	v	--	v	v	v	v
Occupied Bandwidth														
2	v	v	v	v	v	v	v	v	--	--	v	v	v	v
4	v	v	v	v	v	v	v	v	--	--	v	v	v	v
5	v	v	v	v	n	n	v	v	--	--	v	v	v	v
12	v	v	v	v	n	n	v	v	--	--	v	v	v	v
13	n	n	v	v	n	n	v	v	--	--	v	v	v	v
25	v	v	v	v	v	v	v	v	--	--	v	v	v	v
26	v	v	v	v	v	n	v	v	--	--	v	v	v	v
41	n	n	v	v	v	v	v	v	--	--	v	v	v	v
Frequency Stability														
2	--	--	--	v	--	--	v	v	--	--	v	--	v	--
4	--	--	--	v	--	--	v	v	--	--	v	--	v	--
5	--	--	--	v	n	n	v	v	--	--	v	--	v	--
12	--	--	--	v	n	n	v	v	--	--	v	--	v	--
13	n	n	--	v	n	n	v	v	--	--	v	--	v	--
25	--	--	--	v	--	--	v	v	--	--	v	--	v	--
26	--	--	--	v	--	n	v	v	--	--	v	--	v	--
41	n	n	--	v	--	--	v	v	--	--	v	--	v	--
Spurious Emission at Antenna Terminals														
2	v	v	v	v	v	v	v	v	v	--	--	v	v	v
4	v	v	v	v	v	v	v	v	v	--	--	v	v	v
5	v	v	v	v	n	n	v	v	v	--	--	v	v	v
12	v	v	v	v	n	n	v	v	v	--	--	v	v	v
13	n	n	v	v	n	n	v	v	v	--	--	v	v	v

LTE Band	Bandwidth (MHz)						Modulation		RB#			Test Channel		
	1.4	3	5	10	15	20	QPSK	16-QAM	1	Half	Full	LCH	MCH	HCH
E.R.P/E.I.R.P														
25	v	v	v	v	v	v	v	v	v	--	--	v	v	v
26	v	v	v	v	v	n	v	v	v	--	--	v	v	v
41	n	n	v	v	v	v	v	v	v	--	--	v	v	v
Band Edge														
2	v	v	v	v	v	v	v	v	v	--	v	v	--	v
4	v	v	v	v	v	v	v	v	v	--	v	v	--	v
5	v	v	v	v	n	n	v	v	v	--	v	v	--	v
12	v	v	v	v	n	n	v	v	v	--	v	v	--	v
13	n	n	v	v	n	n	v	v	v	--	v	v	--	v
25	v	v	v	v	v	v	v	v	v	--	v	v	--	v
26	v	v	v	v	v	n	v	v	v	--	v	v	--	v
41	n	n	v	v	v	v	v	v	v	--	v	v	--	v
Field Strength of Spurious Radiation														
2	v	v	v	v	v	v	v	--	v	--	--	--	v	--
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	--
13	n	n	v	v	n	n	v	--	v	--	--	--	v	--
25	v	v	v	v	v	v	v	--	v	--	--	--	v	--
26	v	v	v	v	v	n	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.

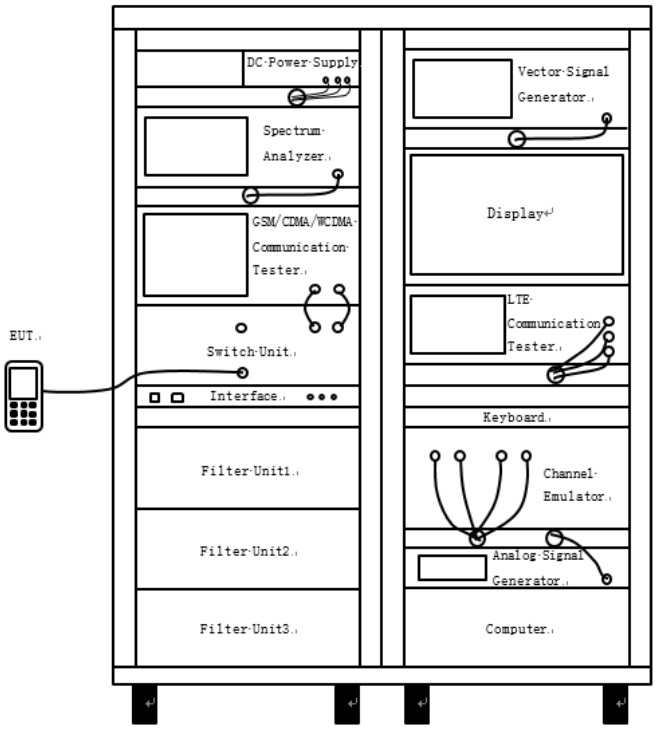
Test Mode	UL Channel	UL Channel No.	UL Frequency (MHz)
CDMA/EVDO BC0	LCH	1013	824.70
	MCH	384	836.52
	HCH	777	848.31
CDMA/EVDO BC1	LCH	25	1851.25
	MCH	600	1880.00
	HCH	1175	1908.75
CDMA/EVDO BC10	LCH	450	817.25
	MCH	560	820.00
	HCH	670	822.75

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
LTE Band 2	Low Range	1.4	18607	1850.7
		3	18615	1851.5
		5	18625	1852.5
		10	18650	1855
		15	18675	1857.5
		20	18700	1860
	Mid Range	1.4/3/5/10/15/20	18900	1880
	High Range	1.4	19193	1909.3
		3	19185	1908.5
		5	19175	1907.5
		10	19150	1905
		15	19125	1902.5
		20	19100	1900
LTE Band 4	Low Range	1.4	19957	1710.7
		3	19965	1711.5
		5	19975	1712.5
		10	20000	1715
		15	20025	1717.5
		20	20050	1720
	Mid 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
	Mid 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
	Mid Range	1.4/3/5/10	23095	707.5
	High Range	1.4	23173	715.3
		3	23165	714.5

Test Mode	UL Channel	Channel Bandwidth (MHz)	UL Channel No.	UL Frequency (MHz)
		5	23155	713.5
		10	23130	711
LTE Band 13	Low Range	5	23205	779.5
		10	23230	782
	Mid Range	5/10	23230	782
	High Range	5	23255	784.5
		10	23230	782
LTE Band 25	Low Range	1.4	26047	1850.7
		3	26055	1851.5
		5	26065	1852.5
		10	26090	1855
		15	26115	1857.5
		20	26140	1860
	Mid Range	1.4/3/5/10/15/20	26365	1882.5
	High Range	1.4	26683	1914.3
		3	26675	1913.5
		5	26665	1912.5
		10	26640	1910
		15	26615	1907.5
		20	26590	1905
LTE Band 26	Low Range	1.4	26697	814.7
		3	26705	815.5
		5	26715	816.5
		10	26750	820
		15	26775	822.5
	Mid Range	1.4/3/5/10/15	26865	831.5
	High Range	1.4	27033	848.3
		3	27025	847.5
		5	27015	846.5
		10	26990	844
		15	26965	841.5
LTE Band 41	Low Range	5	39675	2498.5
		10	39700	2501
		15	39725	2503.5
		20	39750	2506
	Mid Range	5/10/15/20	40620	2593
	High Range	5	41565	2687.5
		10	41540	2685
		15	41515	2682.5
		20	41490	2680

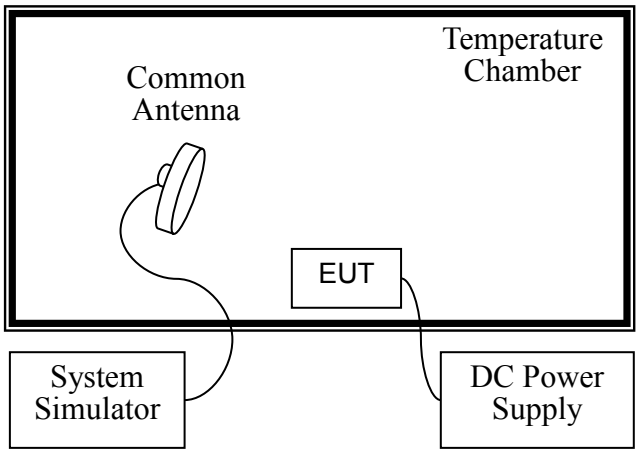
4.4 Test Setup

4.4.1 For Antenna Port Test



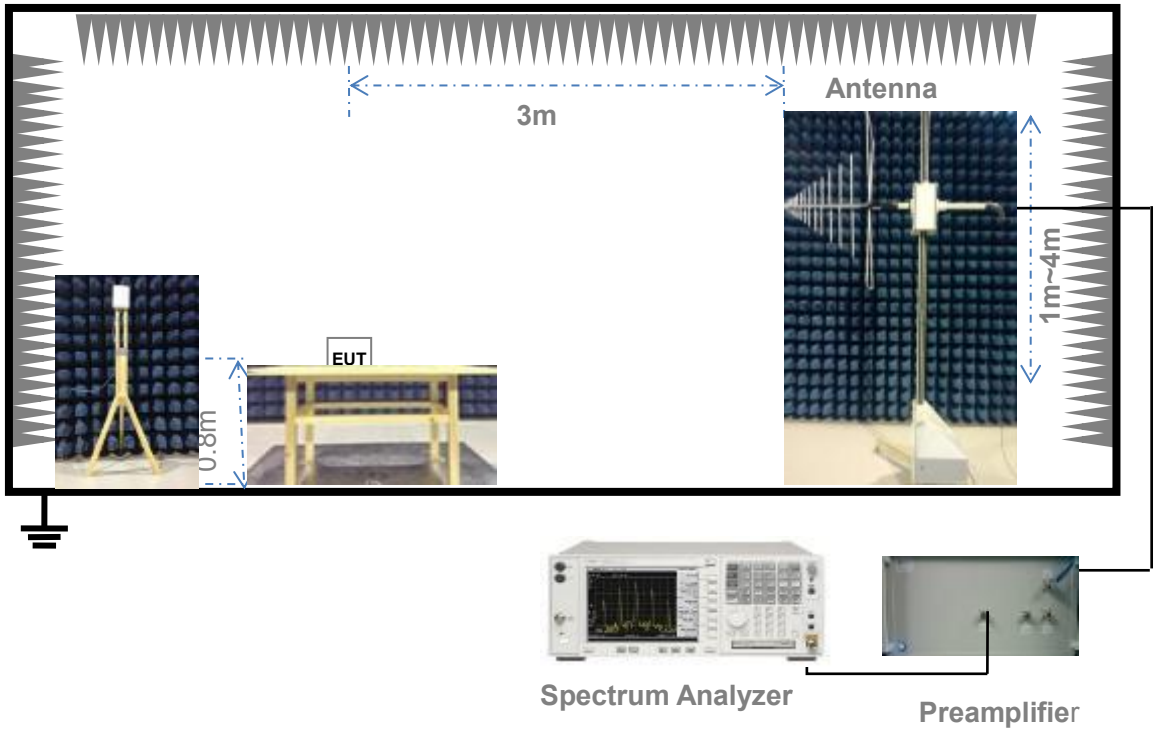
(Diagram 1)

4.4.2 For Frequency Stability Test



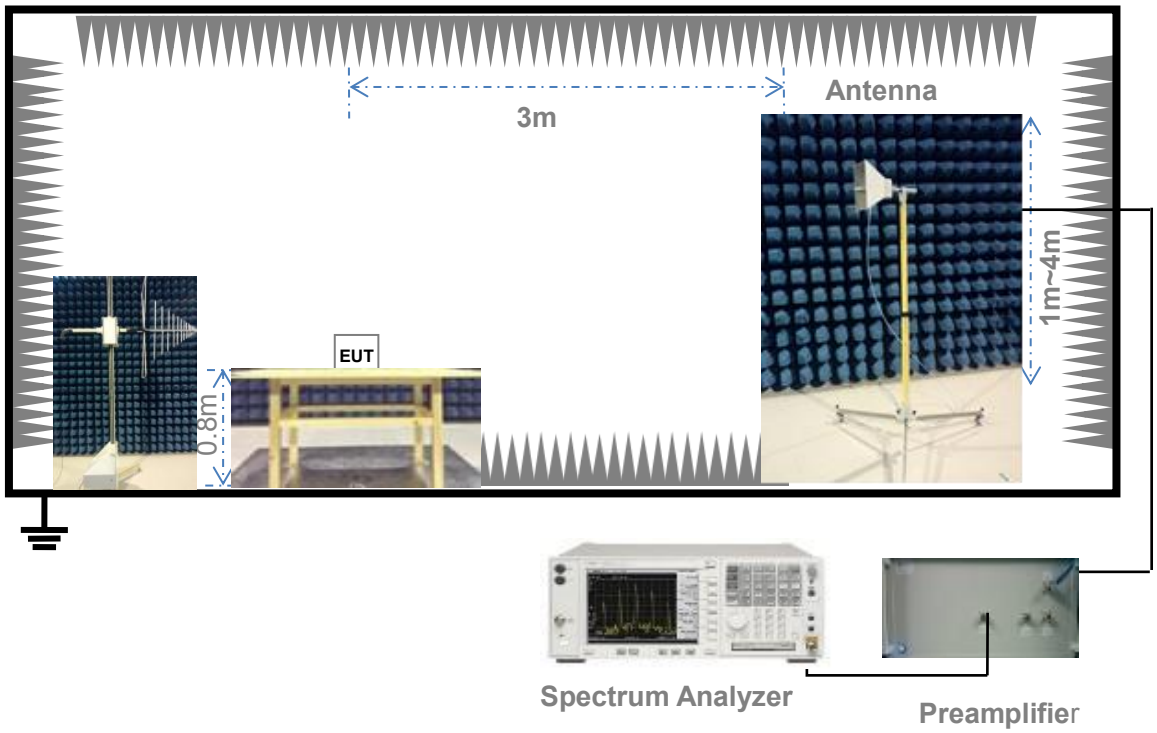
(Diagram 2)

4.4.3 For Radiated Test (30 MHz-1 GHz)



(Diagram 3)

4.4.4 For Radiated Test (Above 1 GHz)



(Diagram 4)

5 TEST ITEMS

5.1 Transmitter Radiated Power (EIRP/ERP)

5.1.1 Limit

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

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

According to FCC section 24.232, 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(b), 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), portable stations (hand-held devices) in the 698-746MHz band are limited to 3 watts ERP.

FCC section 27.50(d), 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.

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), 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.

5.1.2 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.

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

Note: Reference test setup 4.4.1 (Diagram 1)

The relevant equation for determining the conducted measured value is:
Conducted Power Value (dBm) = Measurement Value (dBm) + Path Loss (dB)

where:
Conducted Power Value = Final conducted measured value in the conducted power test, in dBm;
Measurement 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 Measurement Value (dBm) is the final values which contains the data of Path Loss (dB).

For example:
In the conducted output power test, when measurement value for GSM850 is 24.7 dBm, and path loss is 8.5 dB, then final conducted output power value is:
Conducted 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);

PMeas = 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 ERP test, when P_{Meas} value for GSM850 is 33.2 dBm, LC is 0.6 dB, and GT is -3.4 dB, then final ERP value is:
ERP for GSM 850 = 33.2 dBm - 3.4 dBi -0.6 dB = 39.2 dBm

Note: Reference test setup 4.4.1 (Diagram 1)

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
Note: Reference test setup 4.4.3 and 4.4.4 (Diagram 3, 4)

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, 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.

For 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), 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 was 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.

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).

Note: Reference test setup 4.4.1 (Diagram 1).

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 was 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 (99%) 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.

Note: Reference test setup 4.4.1 (Diagram 1).

5.3.4 Test Result

Please refer to ANNEX A.3.

5.4 Frequency Stability

5.4.1 Limit

FCC § 2.1055 & 22.355 & 24.235 &27.54

FCC § 2.1055

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

(1) The temperature is varied from -30°C to +50°C.

(2) Frequency measurements shall be made at the extremes of the specified temperature range and at intervals of not more than 10°C through the range.

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

(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than carried battery equipment.

(2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating and point which shall be specified by the manufacture.

(3) The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

FCC § 22.355
Except as otherwise provided in this part, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section.

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

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

FCC § 24.235
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

FCC § 27.54
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

5.4.2 Test Setup

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

ANNEX B.

5.4.3 Test Procedure

1. The test is performed in a Temperature Chamber.
2. The EUT is configured as MS + DC Power Supply.

Note: Reference test setup 4.4.2 (Diagram 2).

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(c) & 27.53(g) & 27.53(h) & 27.53(m) & 90.691

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(c)

For operations in the 746-758MHz band and the 776-788MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated outside the band below the transmitter power (P) by at least 43+10*log(P) dB.

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.

FCC § 27.53(h)

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)

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).

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 Log10(f/6.1) decibels or 50 + 10 Log10(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 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

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

5.5.2 Test Setup

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

5.5.3 Test Procedure

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

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

2. CMW500 was used to establish communication with the EUT, Its parameters were set to force the EUT transmitting at maximum output power.

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

4. Spurious emissions were 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 were at least 401, referring to following formula.

Sweep point number = Span/RBW

VBW=3RBW

Detector Mode=mean or average power

5. Record the frequencies and levels of spurious emissions.

Note: Reference test setup 4.4.1 (Diagram 1).

5.5.4 Test Result

Please refer to ANNEX A.5.

5.6 Band Edge

5.6.1 Limit

FCC § 2.1051 & 22.917 & 24.238 & 27.53(c) & 27.53(g) & 27.53(h) & 27.53(m) & 90.691

In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC § 22.917 & 24.238

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(c)

For operations in the 746-758MHz band and the 776-788MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated outside the band below the transmitter power (P) by at least 43+10*log(P) dB.

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)

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)

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 Log10(f/6.1) decibels or 50 + 10 Log10(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 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

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

5.6.2 Test Setup

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

5.6.3 Test Procedure

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

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

2. CMW500 was used to establish communication with the EUT, and its parameters were set to force the EUT transmitting at maximum output power.

3. The RF output of the transmitter was 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 were 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.

Note: Reference test setup 4.4.1 (Diagram 1).

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(c) & 27.53(g) & 27.53(h) & 27.53(m) & 90.691

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(c)

For operations in the 746-758MHz band and the 776-788MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated outside the band below the transmitter power (P) by at least 43+10*log(P) dB.

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.

FCC § 27.53(h)

General protection levels. 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.

Additional protection levels. Notwithstanding the foregoing paragraph (h)(1) of this section:

(i) Operations in the 2180-2200 MHz band are subject to the out-of-band emission requirements set forth in § 27.1134 for the protection of federal government operations operating in the 2200-2290 MHz band.

(ii) For operations in the 2000-2020 MHz band, the power of any emissions below 2000 MHz shall be attenuated below the transmitter power (P) in watts by at least 70 + 10 log10(P) dB.

(iii) For operations in the 1915-1920 MHz band, the power of any emission between 1930-1995 MHz shall be attenuated below the transmitter power (P) in watts by at least 70 + 10 log10(P) dB.

(iv) For operations in the 1995-2000 MHz band, the power of any emission between 2005-2020 MHz shall be attenuated below the transmitter power (P) in watts by at least 70 + 10 log10(P) dB.

FCC § 27.53(m)

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).

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 Log10(f/6.1) decibels or 50 + 10 Log10(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 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

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

5.7.2 Test Setup

The section 4.4.1 (Diagram 1) 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
Note: Reference test setup 4.4.3 and 4.4.4 (Diagram 3, 4)

5.7.4 Test Result

Please refer to ANNEX A.7.

ANNEX A TEST RESULTS

A.1 Transmitter Radiated Power (EIRP/ERP)

CDMA/EVDO Mode Test Data

Test Band	Test Configuration	Test Channel	Conducted Output Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
EVDO BC0	Rel. 0	LCH	23.92	-1.8	-3.95	19.97	0.10	7.00	Pass
		MCH	23.82	-1.8	-3.95	19.87	0.10	7.00	Pass
		HCH	23.21	-1.8	-3.95	19.26	0.08	7.00	Pass
	Rev. A	LCH	23.56	-1.8	-3.95	19.61	0.09	7.00	Pass
		MCH	23.93	-1.8	-3.95	19.98	0.10	7.00	Pass
		HCH	23.47	-1.8	-3.95	19.52	0.09	7.00	Pass
CDMA BC0	F1R1	LCH	23.70	-1.8	-3.95	19.75	0.09	7.00	Pass
		MCH	23.85	-1.8	-3.95	19.90	0.10	7.00	Pass
		HCH	23.24	-1.8	-3.95	19.29	0.08	7.00	Pass
	F3R3	LCH	23.74	-1.8	-3.95	19.79	0.10	7.00	Pass
		MCH	23.94	-1.8	-3.95	19.99	0.10	7.00	Pass
		HCH	23.28	-1.8	-3.95	19.33	0.09	7.00	Pass

Test Band	Test Configuration	Test Channel	Conducted Output Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
EVDO BC10	Rel. 0	LCH	23.86	-1.4	-3.55	20.31	0.11	7.00	Pass
		MCH	23.85	-1.4	-3.55	20.30	0.11	7.00	Pass
		HCH	23.73	-1.4	-3.55	20.18	0.10	7.00	Pass
	Rev. A	LCH	23.90	-1.4	-3.55	20.35	0.11	7.00	Pass
		MCH	23.77	-1.4	-3.55	20.22	0.11	7.00	Pass
		HCH	23.81	-1.4	-3.55	20.26	0.11	7.00	Pass
CDMA BC10	F1R1	LCH	23.99	-1.4	-3.55	20.44	0.11	7.00	Pass
		MCH	23.95	-1.4	-3.55	20.40	0.11	7.00	Pass
		HCH	23.79	-1.4	-3.55	20.24	0.11	7.00	Pass
	F3R3	LCH	23.92	-1.4	-3.55	20.37	0.11	7.00	Pass
		MCH	23.94	-1.4	-3.55	20.39	0.11	7.00	Pass
		HCH	23.88	-1.4	-3.55	20.33	0.11	7.00	Pass

Test Band	Test Configuration	Test Channel	Conducted Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
EVDO BC1	Rel. 0	LCH	23.23	0.2	23.43	0.22	2.00	Pass
		MCH	22.89	0.2	23.09	0.20	2.00	Pass
		HCH	23.10	0.2	23.30	0.21	2.00	Pass
	Rev. A	LCH	23.31	0.2	23.51	0.22	2.00	Pass
		MCH	22.89	0.2	23.09	0.20	2.00	Pass
		HCH	22.99	0.2	23.19	0.21	2.00	Pass
CDMA BC1	F1R1	LCH	23.54	0.2	23.74	0.24	2.00	Pass
		MCH	23.38	0.2	23.58	0.23	2.00	Pass
		HCH	23.31	0.2	23.51	0.22	2.00	Pass
	F3R3	LCH	23.49	0.2	23.69	0.23	2.00	Pass
		MCH	23.33	0.2	23.53	0.23	2.00	Pass
		HCH	23.32	0.2	23.52	0.22	2.00	Pass

Note 1: ERP/EIRP = PMeas + GT − LC

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

PMeas = 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.

LTE Mode Test Data:

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
1.4 MHz	LCH	QPSK	RB1#0	23.07	0.3	23.37	0.22	2.00	Pass
			RB1#3	23.1	0.3	23.40	0.22	2.00	Pass
			RB1#5	23.07	0.3	23.37	0.22	2.00	Pass
			RB3#0	23.1	0.3	23.40	0.22	2.00	Pass
			RB3#2	23.17	0.3	23.47	0.22	2.00	Pass
			RB3#3	23.24	0.3	23.54	0.23	2.00	Pass
			RB6#0	22.07	0.3	22.37	0.17	2.00	Pass
		16-QAM	RB1#0	22.94	0.3	23.24	0.21	2.00	Pass
			RB1#3	22.95	0.3	23.25	0.21	2.00	Pass
			RB1#5	23.06	0.3	23.36	0.22	2.00	Pass
			RB3#0	21.77	0.3	22.07	0.16	2.00	Pass
			RB3#2	21.83	0.3	22.13	0.16	2.00	Pass
			RB3#3	21.76	0.3	22.06	0.16	2.00	Pass
			RB6#0	21.05	0.3	21.35	0.14	2.00	Pass
	MCH	QPSK	RB1#0	22.71	0.3	23.01	0.20	2.00	Pass
			RB1#3	22.73	0.3	23.03	0.20	2.00	Pass
			RB1#5	22.87	0.3	23.17	0.21	2.00	Pass
			RB3#0	22.82	0.3	23.12	0.21	2.00	Pass
			RB3#2	22.83	0.3	23.13	0.21	2.00	Pass
			RB3#3	22.78	0.3	23.08	0.20	2.00	Pass
			RB6#0	21.84	0.3	22.14	0.16	2.00	Pass
		16-QAM	RB1#0	21.95	0.3	22.25	0.17	2.00	Pass
			RB1#3	22.27	0.3	22.57	0.18	2.00	Pass
			RB1#5	22.66	0.3	22.96	0.20	2.00	Pass
			RB3#0	22.12	0.3	22.42	0.17	2.00	Pass
			RB3#2	22.1	0.3	22.40	0.17	2.00	Pass
			RB3#3	22.04	0.3	22.34	0.17	2.00	Pass
			RB6#0	20.9	0.3	21.20	0.13	2.00	Pass
	HCH	QPSK	RB1#0	23.01	0.3	23.31	0.21	2.00	Pass
			RB1#3	23.44	0.3	23.74	0.24	2.00	Pass
			RB1#5	23.06	0.3	23.36	0.22	2.00	Pass
			RB3#0	23.05	0.3	23.35	0.22	2.00	Pass
			RB3#2	23.05	0.3	23.35	0.22	2.00	Pass
			RB3#3	22.99	0.3	23.29	0.21	2.00	Pass
			RB6#0	22.12	0.3	22.42	0.17	2.00	Pass
		16-QAM	RB1#0	22.36	0.3	22.66	0.18	2.00	Pass
			RB1#3	22.46	0.3	22.76	0.19	2.00	Pass
			RB1#5	22.43	0.3	22.73	0.19	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
			RB3#0	21.97	0.3	22.27	0.17	2.00	Pass
			RB3#2	22.07	0.3	22.37	0.17	2.00	Pass
			RB3#3	22	0.3	22.30	0.17	2.00	Pass
			RB6#0	21.11	0.3	21.41	0.14	2.00	Pass
3 MHz	LCH	QPSK	RB1#0	23.28	0.3	23.58	0.23	2.00	Pass
			RB1#7	23.21	0.3	23.51	0.22	2.00	Pass
			RB1#14	23.51	0.3	23.81	0.24	2.00	Pass
			RB8#0	22.38	0.3	22.68	0.19	2.00	Pass
			RB8#4	22.22	0.3	22.52	0.18	2.00	Pass
			RB8#7	22.25	0.3	22.55	0.18	2.00	Pass
			RB15#0	22.24	0.3	22.54	0.18	2.00	Pass
		16-QAM	RB1#0	22.2	0.3	22.50	0.18	2.00	Pass
			RB1#7	22.09	0.3	22.39	0.17	2.00	Pass
			RB1#14	22.76	0.3	23.06	0.20	2.00	Pass
			RB8#0	20.87	0.3	21.17	0.13	2.00	Pass
			RB8#4	20.91	0.3	21.21	0.13	2.00	Pass
			RB8#7	21.02	0.3	21.32	0.14	2.00	Pass
			RB15#0	21.21	0.3	21.51	0.14	2.00	Pass
	MCH	QPSK	RB1#0	22.9	0.3	23.20	0.21	2.00	Pass
			RB1#7	22.6	0.3	22.90	0.19	2.00	Pass
			RB1#14	22.87	0.3	23.17	0.21	2.00	Pass
			RB8#0	21.82	0.3	22.12	0.16	2.00	Pass
			RB8#4	21.82	0.3	22.12	0.16	2.00	Pass
			RB8#7	21.88	0.3	22.18	0.17	2.00	Pass
			RB15#0	21.86	0.3	22.16	0.16	2.00	Pass
		16-QAM	RB1#0	22.63	0.3	22.93	0.20	2.00	Pass
			RB1#7	22.03	0.3	22.33	0.17	2.00	Pass
			RB1#14	22.58	0.3	22.88	0.19	2.00	Pass
			RB8#0	21.02	0.3	21.32	0.14	2.00	Pass
			RB8#4	20.94	0.3	21.24	0.13	2.00	Pass
			RB8#7	20.89	0.3	21.19	0.13	2.00	Pass
			RB15#0	20.86	0.3	21.16	0.13	2.00	Pass
	HCH	QPSK	RB1#0	23.16	0.3	23.46	0.22	2.00	Pass
			RB1#7	22.82	0.3	23.12	0.21	2.00	Pass
			RB1#14	23.07	0.3	23.37	0.22	2.00	Pass
			RB8#0	22.07	0.3	22.37	0.17	2.00	Pass
			RB8#4	22.03	0.3	22.33	0.17	2.00	Pass
			RB8#7	21.96	0.3	22.26	0.17	2.00	Pass
			RB15#0	22.13	0.3	22.43	0.17	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
		16-QAM	RB1#0	22.36	0.3	22.66	0.18	2.00	Pass
			RB1#7	22.35	0.3	22.65	0.18	2.00	Pass
			RB1#14	22.34	0.3	22.64	0.18	2.00	Pass
			RB8#0	21.16	0.3	21.46	0.14	2.00	Pass
			RB8#4	21.12	0.3	21.42	0.14	2.00	Pass
			RB8#7	21.07	0.3	21.37	0.14	2.00	Pass
			RB15#0	20.95	0.3	21.25	0.13	2.00	Pass
5 MHz	LCH	QPSK	RB1#0	23.11	0.3	23.41	0.22	2.00	Pass
			RB1#13	23.26	0.3	23.56	0.23	2.00	Pass
			RB1#24	23.04	0.3	23.34	0.22	2.00	Pass
			RB12#0	22.18	0.3	22.48	0.18	2.00	Pass
			RB12#6	22.2	0.3	22.50	0.18	2.00	Pass
			RB12#13	22.23	0.3	22.53	0.18	2.00	Pass
			RB25#0	22.26	0.3	22.56	0.18	2.00	Pass
		16-QAM	RB1#0	22.15	0.3	22.45	0.18	2.00	Pass
			RB1#13	21.72	0.3	22.02	0.16	2.00	Pass
			RB1#24	21.89	0.3	22.19	0.17	2.00	Pass
			RB12#0	21.13	0.3	21.43	0.14	2.00	Pass
			RB12#6	20.88	0.3	21.18	0.13	2.00	Pass
			RB12#13	21.23	0.3	21.53	0.14	2.00	Pass
			RB25#0	21.33	0.3	21.63	0.15	2.00	Pass
	MCH	QPSK	RB1#0	23.14	0.3	23.44	0.22	2.00	Pass
			RB1#13	22.7	0.3	23.00	0.20	2.00	Pass
			RB1#24	22.96	0.3	23.26	0.21	2.00	Pass
			RB12#0	21.94	0.3	22.24	0.17	2.00	Pass
			RB12#6	21.91	0.3	22.21	0.17	2.00	Pass
			RB12#13	21.96	0.3	22.26	0.17	2.00	Pass
			RB25#0	21.99	0.3	22.29	0.17	2.00	Pass
		16-QAM	RB1#0	22.36	0.3	22.66	0.18	2.00	Pass
			RB1#13	21.99	0.3	22.29	0.17	2.00	Pass
			RB1#24	22.26	0.3	22.56	0.18	2.00	Pass
			RB12#0	21.14	0.3	21.44	0.14	2.00	Pass
			RB12#6	21.02	0.3	21.32	0.14	2.00	Pass
			RB12#13	21.1	0.3	21.40	0.14	2.00	Pass
			RB25#0	20.95	0.3	21.25	0.13	2.00	Pass
	HCH	QPSK	RB1#0	23.04	0.3	23.34	0.22	2.00	Pass
			RB1#13	22.93	0.3	23.23	0.21	2.00	Pass
			RB1#24	23.05	0.3	23.35	0.22	2.00	Pass
			RB12#0	21.99	0.3	22.29	0.17	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
			RB12#6	22.01	0.3	22.31	0.17	2.00	Pass
			RB12#13	22.12	0.3	22.42	0.17	2.00	Pass
			RB25#0	22.13	0.3	22.43	0.17	2.00	Pass
		16-QAM	RB1#0	22.27	0.3	22.57	0.18	2.00	Pass
			RB1#13	22.15	0.3	22.45	0.18	2.00	Pass
			RB1#24	21.95	0.3	22.25	0.17	2.00	Pass
			RB12#0	20.84	0.3	21.14	0.13	2.00	Pass
			RB12#6	20.91	0.3	21.21	0.13	2.00	Pass
			RB12#13	21.05	0.3	21.35	0.14	2.00	Pass
			RB25#0	21.07	0.3	21.37	0.14	2.00	Pass
10 MHz	LCH	QPSK	RB1#0	23.38	0.3	23.68	0.23	2.00	Pass
			RB1#25	23.3	0.3	23.60	0.23	2.00	Pass
			RB1#49	23.2	0.3	23.50	0.22	2.00	Pass
			RB25#0	22.21	0.3	22.51	0.18	2.00	Pass
			RB25#13	22.1	0.3	22.40	0.17	2.00	Pass
			RB25#25	22.1	0.3	22.40	0.17	2.00	Pass
			RB50#0	22.13	0.3	22.43	0.17	2.00	Pass
		16-QAM	RB1#0	22.45	0.3	22.75	0.19	2.00	Pass
			RB1#25	22.23	0.3	22.53	0.18	2.00	Pass
			RB1#49	22.13	0.3	22.43	0.17	2.00	Pass
			RB25#0	21.23	0.3	21.53	0.14	2.00	Pass
			RB25#13	21.26	0.3	21.56	0.14	2.00	Pass
			RB25#25	21.17	0.3	21.47	0.14	2.00	Pass
			RB50#0	21.05	0.3	21.35	0.14	2.00	Pass
	MCH	QPSK	RB1#0	22.96	0.3	23.26	0.21	2.00	Pass
			RB1#25	22.66	0.3	22.96	0.20	2.00	Pass
			RB1#49	22.83	0.3	23.13	0.21	2.00	Pass
			RB25#0	21.83	0.3	22.13	0.16	2.00	Pass
			RB25#13	21.88	0.3	22.18	0.17	2.00	Pass
			RB25#25	21.94	0.3	22.24	0.17	2.00	Pass
			RB50#0	21.93	0.3	22.23	0.17	2.00	Pass
		16-QAM	RB1#0	22.34	0.3	22.64	0.18	2.00	Pass
			RB1#25	22.06	0.3	22.36	0.17	2.00	Pass
			RB1#49	22.13	0.3	22.43	0.17	2.00	Pass
			RB25#0	20.91	0.3	21.21	0.13	2.00	Pass
			RB25#13	20.84	0.3	21.14	0.13	2.00	Pass
			RB25#25	20.94	0.3	21.24	0.13	2.00	Pass
			RB50#0	20.91	0.3	21.21	0.13	2.00	Pass
	HCH	QPSK	RB1#0	22.84	0.3	23.14	0.21	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
			RB1#25	22.75	0.3	23.05	0.20	2.00	Pass
			RB1#49	22.84	0.3	23.14	0.21	2.00	Pass
			RB25#0	21.86	0.3	22.16	0.16	2.00	Pass
			RB25#13	21.93	0.3	22.23	0.17	2.00	Pass
			RB25#25	21.97	0.3	22.27	0.17	2.00	Pass
			RB50#0	21.92	0.3	22.22	0.17	2.00	Pass
		16-QAM	RB1#0	22.22	0.3	22.52	0.18	2.00	Pass
			RB1#25	22.1	0.3	22.40	0.17	2.00	Pass
			RB1#49	22.05	0.3	22.35	0.17	2.00	Pass
			RB25#0	20.98	0.3	21.28	0.13	2.00	Pass
			RB25#13	20.85	0.3	21.15	0.13	2.00	Pass
			RB25#25	21.1	0.3	21.40	0.14	2.00	Pass
			RB50#0	20.88	0.3	21.18	0.13	2.00	Pass
15 MHz	LCH	QPSK	RB1#0	23.6	0.3	23.90	0.25	2.00	Pass
			RB1#38	22.87	0.3	23.17	0.21	2.00	Pass
			RB1#74	23.18	0.3	23.48	0.22	2.00	Pass
			RB36#0	22.16	0.3	22.46	0.18	2.00	Pass
			RB36#19	22.1	0.3	22.40	0.17	2.00	Pass
			RB36#39	22.17	0.3	22.47	0.18	2.00	Pass
			RB75#0	22.18	0.3	22.48	0.18	2.00	Pass
		16-QAM	RB1#0	22.86	0.3	23.16	0.21	2.00	Pass
			RB1#38	21.9	0.3	22.20	0.17	2.00	Pass
			RB1#74	22.37	0.3	22.67	0.18	2.00	Pass
			RB36#0	21.15	0.3	21.45	0.14	2.00	Pass
			RB36#19	21.02	0.3	21.32	0.14	2.00	Pass
			RB36#39	20.95	0.3	21.25	0.13	2.00	Pass
			RB75#0	21.12	0.3	21.42	0.14	2.00	Pass
	MCH	QPSK	RB1#0	23.01	0.3	23.31	0.21	2.00	Pass
			RB1#38	22.57	0.3	22.87	0.19	2.00	Pass
			RB1#74	22.88	0.3	23.18	0.21	2.00	Pass
			RB36#0	21.95	0.3	22.25	0.17	2.00	Pass
			RB36#19	21.85	0.3	22.15	0.16	2.00	Pass
			RB36#39	21.94	0.3	22.24	0.17	2.00	Pass
			RB75#0	21.9	0.3	22.20	0.17	2.00	Pass
		16-QAM	RB1#0	22.31	0.3	22.61	0.18	2.00	Pass
			RB1#38	22.06	0.3	22.36	0.17	2.00	Pass
			RB1#74	22.21	0.3	22.51	0.18	2.00	Pass
			RB36#0	21.05	0.3	21.35	0.14	2.00	Pass
			RB36#19	20.95	0.3	21.25	0.13	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
			RB36#39	20.96	0.3	21.26	0.13	2.00	Pass
			RB75#0	20.89	0.3	21.19	0.13	2.00	Pass
	HCH	QPSK	RB1#0	22.89	0.3	23.19	0.21	2.00	Pass
			RB1#38	22.51	0.3	22.81	0.19	2.00	Pass
			RB1#74	22.83	0.3	23.13	0.21	2.00	Pass
			RB36#0	21.78	0.3	22.08	0.16	2.00	Pass
			RB36#19	21.7	0.3	22.00	0.16	2.00	Pass
			RB36#39	21.74	0.3	22.04	0.16	2.00	Pass
			RB75#0	21.74	0.3	22.04	0.16	2.00	Pass
		16-QAM	RB1#0	22.62	0.3	22.92	0.20	2.00	Pass
			RB1#38	22.45	0.3	22.75	0.19	2.00	Pass
			RB1#74	22.53	0.3	22.83	0.19	2.00	Pass
			RB36#0	20.63	0.3	20.93	0.12	2.00	Pass
			RB36#19	20.52	0.3	20.82	0.12	2.00	Pass
			RB36#39	20.78	0.3	21.08	0.13	2.00	Pass
			RB75#0	20.71	0.3	21.01	0.13	2.00	Pass
20 MHz	LCH	QPSK	RB1#0	23.67	0.3	23.97	0.25	2.00	Pass
			RB1#50	23.11	0.3	23.41	0.22	2.00	Pass
			RB1#99	23.3	0.3	23.60	0.23	2.00	Pass
			RB50#0	22.29	0.3	22.59	0.18	2.00	Pass
			RB50#25	22.09	0.3	22.39	0.17	2.00	Pass
			RB50#50	22.16	0.3	22.46	0.18	2.00	Pass
			RB100#0	22.19	0.3	22.49	0.18	2.00	Pass
		16-QAM	RB1#0	23.08	0.3	23.38	0.22	2.00	Pass
			RB1#50	22.48	0.3	22.78	0.19	2.00	Pass
			RB1#99	22.5	0.3	22.80	0.19	2.00	Pass
			RB50#0	21.15	0.3	21.45	0.14	2.00	Pass
			RB50#25	21.03	0.3	21.33	0.14	2.00	Pass
			RB50#50	21.08	0.3	21.38	0.14	2.00	Pass
			RB100#0	21.05	0.3	21.35	0.14	2.00	Pass
	MCH	QPSK	RB1#0	23.37	0.3	23.67	0.23	2.00	Pass
			RB1#50	23.13	0.3	23.43	0.22	2.00	Pass
			RB1#99	23.28	0.3	23.58	0.23	2.00	Pass
			RB50#0	22.05	0.3	22.35	0.17	2.00	Pass
			RB50#25	21.97	0.3	22.27	0.17	2.00	Pass
			RB50#50	21.95	0.3	22.25	0.17	2.00	Pass
			RB100#0	21.92	0.3	22.22	0.17	2.00	Pass
		16-QAM	RB1#0	22.53	0.3	22.83	0.19	2.00	Pass
			RB1#50	22.09	0.3	22.39	0.17	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND2									
			RB1#99	22.36	0.3	22.66	0.18	2.00	Pass
			RB50#0	21.02	0.3	21.32	0.14	2.00	Pass
			RB50#25	20.84	0.3	21.14	0.13	2.00	Pass
			RB50#50	20.83	0.3	21.13	0.13	2.00	Pass
			RB100#0	20.99	0.3	21.29	0.13	2.00	Pass
	HCH	QPSK	RB1#0	22.72	0.3	23.02	0.20	2.00	Pass
			RB1#50	22.55	0.3	22.85	0.19	2.00	Pass
			RB1#99	22.73	0.3	23.03	0.20	2.00	Pass
			RB50#0	21.6	0.3	21.90	0.15	2.00	Pass
			RB50#25	21.55	0.3	21.85	0.15	2.00	Pass
			RB50#50	21.59	0.3	21.89	0.15	2.00	Pass
			RB100#0	21.57	0.3	21.87	0.15	2.00	Pass
		16-QAM	RB1#0	22.18	0.3	22.48	0.18	2.00	Pass
			RB1#50	21.84	0.3	22.14	0.16	2.00	Pass
			RB1#99	22.07	0.3	22.37	0.17	2.00	Pass
			RB50#0	20.51	0.3	20.81	0.12	2.00	Pass
			RB50#25	20.37	0.3	20.67	0.12	2.00	Pass
			RB50#50	20.39	0.3	20.69	0.12	2.00	Pass
			RB100#0	20.53	0.3	20.83	0.12	2.00	Pass

Test BW	Test Channel	Test Model	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	22.59	0.2	22.79	0.19	1.00	Pass
			RB1#3	22.68	0.2	22.88	0.19	1.00	Pass
			RB1#5	22.66	0.2	22.86	0.19	1.00	Pass
			RB3#0	22.59	0.2	22.79	0.19	1.00	Pass
			RB3#2	22.51	0.2	22.71	0.19	1.00	Pass
			RB3#3	22.47	0.2	22.67	0.18	1.00	Pass
			RB6#0	21.66	0.2	21.86	0.15	1.00	Pass
		16-QAM	RB1#0	22.39	0.2	22.59	0.18	1.00	Pass
			RB1#3	22.56	0.2	22.76	0.19	1.00	Pass
			RB1#5	22.25	0.2	22.45	0.18	1.00	Pass
			RB3#0	21.43	0.2	21.63	0.15	1.00	Pass
			RB3#2	21.48	0.2	21.68	0.15	1.00	Pass
			RB3#3	21.39	0.2	21.59	0.14	1.00	Pass
			RB6#0	20.51	0.2	20.71	0.12	1.00	Pass
	MCH	QPSK	RB1#0	23.07	0.2	23.27	0.21	1.00	Pass
			RB1#3	23.03	0.2	23.23	0.21	1.00	Pass
			RB1#5	22.9	0.2	23.10	0.20	1.00	Pass
			RB3#0	22.91	0.2	23.11	0.20	1.00	Pass
			RB3#2	22.92	0.2	23.12	0.21	1.00	Pass
			RB3#3	23.02	0.2	23.22	0.21	1.00	Pass
			RB6#0	22.1	0.2	22.30	0.17	1.00	Pass
		16-QAM	RB1#0	22.17	0.2	22.37	0.17	1.00	Pass
			RB1#3	22.14	0.2	22.34	0.17	1.00	Pass
			RB1#5	22.04	0.2	22.24	0.17	1.00	Pass
			RB3#0	22.11	0.2	22.31	0.17	1.00	Pass
			RB3#2	22.03	0.2	22.23	0.17	1.00	Pass
			RB3#3	21.99	0.2	22.19	0.17	1.00	Pass
			RB6#0	20.75	0.2	20.95	0.12	1.00	Pass
	HCH	QPSK	RB1#0	22.77	0.2	22.97	0.20	1.00	Pass
			RB1#3	23.07	0.2	23.27	0.21	1.00	Pass
			RB1#5	22.82	0.2	23.02	0.20	1.00	Pass
			RB3#0	22.8	0.2	23.00	0.20	1.00	Pass
			RB3#2	22.83	0.2	23.03	0.20	1.00	Pass
			RB3#3	22.79	0.2	22.99	0.20	1.00	Pass
			RB6#0	21.75	0.2	21.95	0.16	1.00	Pass
		16-QAM	RB1#0	22.05	0.2	22.25	0.17	1.00	Pass
			RB1#3	22.06	0.2	22.26	0.17	1.00	Pass
			RB1#5	22.05	0.2	22.25	0.17	1.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
			RB3#0	21.9	0.2	22.10	0.16	1.00	Pass
			RB3#2	21.95	0.2	22.15	0.16	1.00	Pass
			RB3#3	21.79	0.2	21.99	0.16	1.00	Pass
			RB6#0	21	0.2	21.20	0.13	1.00	Pass
3 MHz	LCH	QPSK	RB1#0	22.62	0.2	22.82	0.19	1.00	Pass
			RB1#7	22.52	0.2	22.72	0.19	1.00	Pass
			RB1#14	22.47	0.2	22.67	0.18	1.00	Pass
			RB8#0	21.7	0.2	21.90	0.15	1.00	Pass
			RB8#4	21.78	0.2	21.98	0.16	1.00	Pass
			RB8#7	21.89	0.2	22.09	0.16	1.00	Pass
			RB15#0	21.78	0.2	21.98	0.16	1.00	Pass
		16-QAM	RB1#0	22.09	0.2	22.29	0.17	1.00	Pass
			RB1#7	22.09	0.2	22.29	0.17	1.00	Pass
			RB1#14	22.27	0.2	22.47	0.18	1.00	Pass
			RB8#0	21.35	0.2	21.55	0.14	1.00	Pass
			RB8#4	21.34	0.2	21.54	0.14	1.00	Pass
			RB8#7	20.55	0.2	20.75	0.12	1.00	Pass
			RB15#0	20.6	0.2	20.80	0.12	1.00	Pass
	MCH	QPSK	RB1#0	23.12	0.2	23.32	0.21	1.00	Pass
			RB1#7	22.96	0.2	23.16	0.21	1.00	Pass
			RB1#14	23.08	0.2	23.28	0.21	1.00	Pass
			RB8#0	22.06	0.2	22.26	0.17	1.00	Pass
			RB8#4	22.23	0.2	22.43	0.17	1.00	Pass
			RB8#7	22.25	0.2	22.45	0.18	1.00	Pass
			RB15#0	22.1	0.2	22.30	0.17	1.00	Pass
		16-QAM	RB1#0	22.91	0.2	23.11	0.20	1.00	Pass
			RB1#7	22.83	0.2	23.03	0.20	1.00	Pass
			RB1#14	22.3	0.2	22.50	0.18	1.00	Pass
			RB8#0	21.1	0.2	21.30	0.13	1.00	Pass
			RB8#4	21.24	0.2	21.44	0.14	1.00	Pass
			RB8#7	21.18	0.2	21.38	0.14	1.00	Pass
			RB15#0	20.91	0.2	21.11	0.13	1.00	Pass
	HCH	QPSK	RB1#0	22.65	0.2	22.85	0.19	1.00	Pass
			RB1#7	22.51	0.2	22.71	0.19	1.00	Pass
			RB1#14	22.61	0.2	22.81	0.19	1.00	Pass
			RB8#0	21.77	0.2	21.97	0.16	1.00	Pass
			RB8#4	21.74	0.2	21.94	0.16	1.00	Pass
			RB8#7	21.79	0.2	21.99	0.16	1.00	Pass
			RB15#0	21.74	0.2	21.94	0.16	1.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
		16-QAM	RB1#0	21.99	0.2	22.19	0.17	1.00	Pass
			RB1#7	21.84	0.2	22.04	0.16	1.00	Pass
			RB1#14	21.95	0.2	22.15	0.16	1.00	Pass
			RB8#0	20.76	0.2	20.96	0.12	1.00	Pass
			RB8#4	20.73	0.2	20.93	0.12	1.00	Pass
			RB8#7	20.8	0.2	21.00	0.13	1.00	Pass
			RB15#0	20.76	0.2	20.96	0.12	1.00	Pass
5 MHz	LCH	QPSK	RB1#0	22.56	0.2	22.76	0.19	1.00	Pass
			RB1#13	22.39	0.2	22.59	0.18	1.00	Pass
			RB1#24	22.35	0.2	22.55	0.18	1.00	Pass
			RB12#0	21.67	0.2	21.87	0.15	1.00	Pass
			RB12#6	21.65	0.2	21.85	0.15	1.00	Pass
			RB12#13	21.73	0.2	21.93	0.16	1.00	Pass
			RB25#0	21.64	0.2	21.84	0.15	1.00	Pass
		16-QAM	RB1#0	21.53	0.2	21.73	0.15	1.00	Pass
			RB1#13	21.2	0.2	21.40	0.14	1.00	Pass
			RB1#24	21.36	0.2	21.56	0.14	1.00	Pass
			RB12#0	20.51	0.2	20.71	0.12	1.00	Pass
			RB12#6	20.52	0.2	20.72	0.12	1.00	Pass
			RB12#13	20.6	0.2	20.80	0.12	1.00	Pass
			RB25#0	20.73	0.2	20.93	0.12	1.00	Pass
	MCH	QPSK	RB1#0	23.31	0.2	23.51	0.22	1.00	Pass
			RB1#13	22.87	0.2	23.07	0.20	1.00	Pass
			RB1#24	23.18	0.2	23.38	0.22	1.00	Pass
			RB12#0	22.04	0.2	22.24	0.17	1.00	Pass
			RB12#6	22.02	0.2	22.22	0.17	1.00	Pass
			RB12#13	22.05	0.2	22.25	0.17	1.00	Pass
			RB25#0	22.1	0.2	22.30	0.17	1.00	Pass
		16-QAM	RB1#0	22.01	0.2	22.21	0.17	1.00	Pass
			RB1#13	21.91	0.2	22.11	0.16	1.00	Pass
			RB1#24	21.97	0.2	22.17	0.16	1.00	Pass
			RB12#0	21.24	0.2	21.44	0.14	1.00	Pass
			RB12#6	21.11	0.2	21.31	0.14	1.00	Pass
			RB12#13	21.07	0.2	21.27	0.13	1.00	Pass
			RB25#0	21.02	0.2	21.22	0.13	1.00	Pass
	HCH	QPSK	RB1#0	22.78	0.2	22.98	0.20	1.00	Pass
			RB1#13	22.51	0.2	22.71	0.19	1.00	Pass
			RB1#24	22.76	0.2	22.96	0.20	1.00	Pass
			RB12#0	21.76	0.2	21.96	0.16	1.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
			RB12#6	21.79	0.2	21.99	0.16	1.00	Pass
			RB12#13	21.79	0.2	21.99	0.16	1.00	Pass
			RB25#0	21.77	0.2	21.97	0.16	1.00	Pass
		16-QAM	RB1#0	21.98	0.2	22.18	0.17	1.00	Pass
			RB1#13	21.91	0.2	22.11	0.16	1.00	Pass
			RB1#24	22.49	0.2	22.69	0.19	1.00	Pass
			RB12#0	20.88	0.2	21.08	0.13	1.00	Pass
			RB12#6	20.91	0.2	21.11	0.13	1.00	Pass
			RB12#13	20.82	0.2	21.02	0.13	1.00	Pass
			RB25#0	20.78	0.2	20.98	0.13	1.00	Pass
10 MHz	LCH	QPSK	RB1#0	22.91	0.2	23.11	0.20	1.00	Pass
			RB1#25	22.77	0.2	22.97	0.20	1.00	Pass
			RB1#49	22.83	0.2	23.03	0.20	1.00	Pass
			RB25#0	21.88	0.2	22.08	0.16	1.00	Pass
			RB25#13	21.78	0.2	21.98	0.16	1.00	Pass
			RB25#25	21.76	0.2	21.96	0.16	1.00	Pass
			RB50#0	21.86	0.2	22.06	0.16	1.00	Pass
		16-QAM	RB1#0	22.21	0.2	22.41	0.17	1.00	Pass
			RB1#25	22.37	0.2	22.57	0.18	1.00	Pass
			RB1#49	22.36	0.2	22.56	0.18	1.00	Pass
			RB25#0	20.84	0.2	21.04	0.13	1.00	Pass
			RB25#13	20.75	0.2	20.95	0.12	1.00	Pass
			RB25#25	20.75	0.2	20.95	0.12	1.00	Pass
			RB50#0	20.75	0.2	20.95	0.12	1.00	Pass
	MCH	QPSK	RB1#0	23.13	0.2	23.33	0.22	1.00	Pass
			RB1#25	23.14	0.2	23.34	0.22	1.00	Pass
			RB1#49	22.95	0.2	23.15	0.21	1.00	Pass
			RB25#0	22.01	0.2	22.21	0.17	1.00	Pass
			RB25#13	22.01	0.2	22.21	0.17	1.00	Pass
			RB25#25	22.05	0.2	22.25	0.17	1.00	Pass
			RB50#0	22.03	0.2	22.23	0.17	1.00	Pass
		16-QAM	RB1#0	22.4	0.2	22.60	0.18	1.00	Pass
			RB1#25	22.3	0.2	22.50	0.18	1.00	Pass
			RB1#49	22.25	0.2	22.45	0.18	1.00	Pass
			RB25#0	20.91	0.2	21.11	0.13	1.00	Pass
			RB25#13	20.92	0.2	21.12	0.13	1.00	Pass
			RB25#25	20.94	0.2	21.14	0.13	1.00	Pass
			RB50#0	20.93	0.2	21.13	0.13	1.00	Pass
	HCH	QPSK	RB1#0	23	0.2	23.20	0.21	1.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
			RB1#25	22.81	0.2	23.01	0.20	1.00	Pass
			RB1#49	22.87	0.2	23.07	0.20	1.00	Pass
			RB25#0	22.06	0.2	22.26	0.17	1.00	Pass
			RB25#13	21.83	0.2	22.03	0.16	1.00	Pass
			RB25#25	21.8	0.2	22.00	0.16	1.00	Pass
			RB50#0	21.96	0.2	22.16	0.16	1.00	Pass
		16-QAM	RB1#0	22.22	0.2	22.42	0.17	1.00	Pass
			RB1#25	22.15	0.2	22.35	0.17	1.00	Pass
			RB1#49	22.08	0.2	22.28	0.17	1.00	Pass
			RB25#0	21	0.2	21.20	0.13	1.00	Pass
			RB25#13	20.9	0.2	21.10	0.13	1.00	Pass
			RB25#25	20.78	0.2	20.98	0.13	1.00	Pass
			RB50#0	20.91	0.2	21.11	0.13	1.00	Pass
15 MHz	LCH	QPSK	RB1#0	23.2	0.2	23.40	0.22	1.00	Pass
			RB1#38	22.66	0.2	22.86	0.19	1.00	Pass
			RB1#74	22.75	0.2	22.95	0.20	1.00	Pass
			RB36#0	22	0.2	22.20	0.17	1.00	Pass
			RB36#19	21.8	0.2	22.00	0.16	1.00	Pass
			RB36#39	21.84	0.2	22.04	0.16	1.00	Pass
			RB75#0	21.91	0.2	22.11	0.16	1.00	Pass
		16-QAM	RB1#0	22.13	0.2	22.33	0.17	1.00	Pass
			RB1#38	21.86	0.2	22.06	0.16	1.00	Pass
			RB1#74	22.67	0.2	22.87	0.19	1.00	Pass
			RB36#0	20.98	0.2	21.18	0.13	1.00	Pass
			RB36#19	20.86	0.2	21.06	0.13	1.00	Pass
			RB36#39	20.9	0.2	21.10	0.13	1.00	Pass
			RB75#0	20.99	0.2	21.19	0.13	1.00	Pass
	MCH	QPSK	RB1#0	23.09	0.2	23.29	0.21	1.00	Pass
			RB1#38	22.85	0.2	23.05	0.20	1.00	Pass
			RB1#74	22.85	0.2	23.05	0.20	1.00	Pass
			RB36#0	22.12	0.2	22.32	0.17	1.00	Pass
			RB36#19	22.04	0.2	22.24	0.17	1.00	Pass
			RB36#39	22.07	0.2	22.27	0.17	1.00	Pass
			RB75#0	21.99	0.2	22.19	0.17	1.00	Pass
		16-QAM	RB1#0	22.47	0.2	22.67	0.18	1.00	Pass
			RB1#38	22.13	0.2	22.33	0.17	1.00	Pass
			RB1#74	22.36	0.2	22.56	0.18	1.00	Pass
			RB36#0	21.12	0.2	21.32	0.14	1.00	Pass
			RB36#19	21.15	0.2	21.35	0.14	1.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
			RB36#39	21.19	0.2	21.39	0.14	1.00	Pass
			RB75#0	21.1	0.2	21.30	0.13	1.00	Pass
	HCH	QPSK	RB1#0	23.04	0.2	23.24	0.21	1.00	Pass
			RB1#38	22.6	0.2	22.80	0.19	1.00	Pass
			RB1#74	22.73	0.2	22.93	0.20	1.00	Pass
			RB36#0	22.07	0.2	22.27	0.17	1.00	Pass
			RB36#19	21.78	0.2	21.98	0.16	1.00	Pass
			RB36#39	21.79	0.2	21.99	0.16	1.00	Pass
			RB75#0	22	0.2	22.20	0.17	1.00	Pass
		16-QAM	RB1#0	22.89	0.2	23.09	0.20	1.00	Pass
			RB1#38	22.61	0.2	22.81	0.19	1.00	Pass
			RB1#74	22.61	0.2	22.81	0.19	1.00	Pass
			RB36#0	21	0.2	21.20	0.13	1.00	Pass
			RB36#19	20.72	0.2	20.92	0.12	1.00	Pass
			RB36#39	20.65	0.2	20.85	0.12	1.00	Pass
			RB75#0	20.86	0.2	21.06	0.13	1.00	Pass
20 MHz	LCH	QPSK	RB1#0	23.27	0.2	23.47	0.22	1.00	Pass
			RB1#50	22.77	0.2	22.97	0.20	1.00	Pass
			RB1#99	23.28	0.2	23.48	0.22	1.00	Pass
			RB50#0	22.08	0.2	22.28	0.17	1.00	Pass
			RB50#25	21.98	0.2	22.18	0.17	1.00	Pass
			RB50#50	22.06	0.2	22.26	0.17	1.00	Pass
			RB100#0	22.05	0.2	22.25	0.17	1.00	Pass
		16-QAM	RB1#0	22.2	0.2	22.40	0.17	1.00	Pass
			RB1#50	21.91	0.2	22.11	0.16	1.00	Pass
			RB1#99	22.04	0.2	22.24	0.17	1.00	Pass
			RB50#0	21.1	0.2	21.30	0.13	1.00	Pass
			RB50#25	21.04	0.2	21.24	0.13	1.00	Pass
			RB50#50	21.05	0.2	21.25	0.13	1.00	Pass
			RB100#0	21.07	0.2	21.27	0.13	1.00	Pass
	MCH	QPSK	RB1#0	23.1	0.2	23.30	0.21	1.00	Pass
			RB1#50	23.33	0.2	23.53	0.23	1.00	Pass
			RB1#99	23.11	0.2	23.31	0.21	1.00	Pass
			RB50#0	22.13	0.2	22.33	0.17	1.00	Pass
			RB50#25	22.11	0.2	22.31	0.17	1.00	Pass
			RB50#50	22.14	0.2	22.34	0.17	1.00	Pass
			RB100#0	22.04	0.2	22.24	0.17	1.00	Pass
		16-QAM	RB1#0	22.45	0.2	22.65	0.18	1.00	Pass
			RB1#50	22.29	0.2	22.49	0.18	1.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND4									
			RB1#99	22.51	0.2	22.71	0.19	1.00	Pass
			RB50#0	21.11	0.2	21.31	0.14	1.00	Pass
			RB50#25	21.05	0.2	21.25	0.13	1.00	Pass
			RB50#50	21.03	0.2	21.23	0.13	1.00	Pass
			RB100#0	21.03	0.2	21.23	0.13	1.00	Pass
	HCH	QPSK	RB1#0	23	0.2	23.20	0.21	1.00	Pass
			RB1#50	22.7	0.2	22.90	0.19	1.00	Pass
			RB1#99	22.61	0.2	22.81	0.19	1.00	Pass
			RB50#0	22	0.2	22.20	0.17	1.00	Pass
			RB50#25	21.82	0.2	22.02	0.16	1.00	Pass
			RB50#50	21.69	0.2	21.89	0.15	1.00	Pass
			RB100#0	21.96	0.2	22.16	0.16	1.00	Pass
		16-QAM	RB1#0	22.41	0.2	22.61	0.18	1.00	Pass
			RB1#50	22.05	0.2	22.25	0.17	1.00	Pass
			RB1#99	22.06	0.2	22.26	0.17	1.00	Pass
			RB50#0	21.03	0.2	21.23	0.13	1.00	Pass
			RB50#25	20.87	0.2	21.07	0.13	1.00	Pass
			RB50#50	20.65	0.2	20.85	0.12	1.00	Pass
			RB100#0	20.84	0.2	21.04	0.13	1.00	Pass

Test BW	Test Channel	Test Model	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	22.88	-1.4	-3.55	19.33	0.09	7.00	Pass
			RB1#3	23.2	-1.4	-3.55	19.65	0.09	7.00	Pass
			RB1#5	22.8	-1.4	-3.55	19.25	0.08	7.00	Pass
			RB3#0	22.89	-1.4	-3.55	19.34	0.09	7.00	Pass
			RB3#2	22.84	-1.4	-3.55	19.29	0.08	7.00	Pass
			RB3#3	22.75	-1.4	-3.55	19.20	0.08	7.00	Pass
			RB6#0	21.78	-1.4	-3.55	18.23	0.07	7.00	Pass
		16-QAM	RB1#0	22.71	-1.4	-3.55	19.16	0.08	7.00	Pass
			RB1#3	22.66	-1.4	-3.55	19.11	0.08	7.00	Pass
			RB1#5	22.55	-1.4	-3.55	19.00	0.08	7.00	Pass
			RB3#0	21.87	-1.4	-3.55	18.32	0.07	7.00	Pass
			RB3#2	21.67	-1.4	-3.55	18.12	0.06	7.00	Pass
			RB3#3	21.61	-1.4	-3.55	18.06	0.06	7.00	Pass
			RB6#0	20.65	-1.4	-3.55	17.10	0.05	7.00	Pass
	MCH	QPSK	RB1#0	22.85	-1.4	-3.55	19.30	0.09	7.00	Pass
			RB1#3	23.13	-1.4	-3.55	19.58	0.09	7.00	Pass
			RB1#5	22.9	-1.4	-3.55	19.35	0.09	7.00	Pass
			RB3#0	22.86	-1.4	-3.55	19.31	0.09	7.00	Pass
			RB3#2	22.96	-1.4	-3.55	19.41	0.09	7.00	Pass
			RB3#3	22.95	-1.4	-3.55	19.40	0.09	7.00	Pass
			RB6#0	22.07	-1.4	-3.55	18.52	0.07	7.00	Pass
		16-QAM	RB1#0	22.87	-1.4	-3.55	19.32	0.09	7.00	Pass
			RB1#3	22.99	-1.4	-3.55	19.44	0.09	7.00	Pass
			RB1#5	22.83	-1.4	-3.55	19.28	0.08	7.00	Pass
			RB3#0	22.03	-1.4	-3.55	18.48	0.07	7.00	Pass
			RB3#2	22.05	-1.4	-3.55	18.50	0.07	7.00	Pass
			RB3#3	21.99	-1.4	-3.55	18.44	0.07	7.00	Pass
			RB6#0	20.65	-1.4	-3.55	17.10	0.05	7.00	Pass
	HCH	QPSK	RB1#0	22.88	-1.4	-3.55	19.33	0.09	7.00	Pass
			RB1#3	23.06	-1.4	-3.55	19.51	0.09	7.00	Pass
			RB1#5	22.81	-1.4	-3.55	19.26	0.08	7.00	Pass
			RB3#0	23.01	-1.4	-3.55	19.46	0.09	7.00	Pass
			RB3#2	22.94	-1.4	-3.55	19.39	0.09	7.00	Pass
			RB3#3	22.85	-1.4	-3.55	19.30	0.09	7.00	Pass
			RB6#0	21.95	-1.4	-3.55	18.40	0.07	7.00	Pass
		16-QAM	RB1#0	22.27	-1.4	-3.55	18.72	0.07	7.00	Pass
			RB1#3	22.44	-1.4	-3.55	18.89	0.08	7.00	Pass
			RB1#5	21.89	-1.4	-3.55	18.34	0.07	7.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND5										
			RB3#0	22.38	-1.4	-3.55	18.83	0.08	7.00	Pass
			RB3#2	22.32	-1.4	-3.55	18.77	0.08	7.00	Pass
			RB3#3	22.29	-1.4	-3.55	18.74	0.07	7.00	Pass
			RB6#0	21.05	-1.4	-3.55	17.50	0.06	7.00	Pass
3 MHz	LCH	QPSK	RB1#0	22.95	-1.4	-3.55	19.40	0.09	7.00	Pass
			RB1#7	22.64	-1.4	-3.55	19.09	0.08	7.00	Pass
			RB1#14	22.93	-1.4	-3.55	19.38	0.09	7.00	Pass
			RB8#0	21.97	-1.4	-3.55	18.42	0.07	7.00	Pass
			RB8#4	21.92	-1.4	-3.55	18.37	0.07	7.00	Pass
			RB8#7	21.79	-1.4	-3.55	18.24	0.07	7.00	Pass
			RB15#0	21.95	-1.4	-3.55	18.40	0.07	7.00	Pass
		16-QAM	RB1#0	21.96	-1.4	-3.55	18.41	0.07	7.00	Pass
			RB1#7	21.76	-1.4	-3.55	18.21	0.07	7.00	Pass
			RB1#14	22.49	-1.4	-3.55	18.94	0.08	7.00	Pass
			RB8#0	20.75	-1.4	-3.55	17.20	0.05	7.00	Pass
			RB8#4	20.58	-1.4	-3.55	17.03	0.05	7.00	Pass
			RB8#7	20.56	-1.4	-3.55	17.01	0.05	7.00	Pass
			RB15#0	20.85	-1.4	-3.55	17.30	0.05	7.00	Pass
	MCH	QPSK	RB1#0	22.97	-1.4	-3.55	19.42	0.09	7.00	Pass
			RB1#7	22.9	-1.4	-3.55	19.35	0.09	7.00	Pass
			RB1#14	23.05	-1.4	-3.55	19.50	0.09	7.00	Pass
			RB8#0	22.08	-1.4	-3.55	18.53	0.07	7.00	Pass
			RB8#4	21.97	-1.4	-3.55	18.42	0.07	7.00	Pass
			RB8#7	21.96	-1.4	-3.55	18.41	0.07	7.00	Pass
			RB15#0	22.08	-1.4	-3.55	18.53	0.07	7.00	Pass
		16-QAM	RB1#0	22.82	-1.4	-3.55	19.27	0.08	7.00	Pass
			RB1#7	22.67	-1.4	-3.55	19.12	0.08	7.00	Pass
			RB1#14	22.96	-1.4	-3.55	19.41	0.09	7.00	Pass
			RB8#0	21.19	-1.4	-3.55	17.64	0.06	7.00	Pass
			RB8#4	21.08	-1.4	-3.55	17.53	0.06	7.00	Pass
			RB8#7	21.07	-1.4	-3.55	17.52	0.06	7.00	Pass
			RB15#0	21.05	-1.4	-3.55	17.50	0.06	7.00	Pass
	HCH	QPSK	RB1#0	22.81	-1.4	-3.55	19.26	0.08	7.00	Pass
			RB1#7	22.61	-1.4	-3.55	19.06	0.08	7.00	Pass
			RB1#14	22.74	-1.4	-3.55	19.19	0.08	7.00	Pass
			RB8#0	21.9	-1.4	-3.55	18.35	0.07	7.00	Pass
			RB8#4	21.99	-1.4	-3.55	18.44	0.07	7.00	Pass
			RB8#7	21.8	-1.4	-3.55	18.25	0.07	7.00	Pass
			RB15#0	21.95	-1.4	-3.55	18.40	0.07	7.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND5										
		16-QAM	RB1#0	22.04	-1.4	-3.55	18.49	0.07	7.00	Pass
			RB1#7	21.96	-1.4	-3.55	18.41	0.07	7.00	Pass
			RB1#14	22.39	-1.4	-3.55	18.84	0.08	7.00	Pass
			RB8#0	20.89	-1.4	-3.55	17.34	0.05	7.00	Pass
			RB8#4	20.8	-1.4	-3.55	17.25	0.05	7.00	Pass
			RB8#7	20.85	-1.4	-3.55	17.30	0.05	7.00	Pass
			RB15#0	20.98	-1.4	-3.55	17.43	0.06	7.00	Pass
5 MHz	LCH	QPSK	RB1#0	22.82	-1.4	-3.55	19.27	0.08	7.00	Pass
			RB1#13	22.51	-1.4	-3.55	18.96	0.08	7.00	Pass
			RB1#24	22.58	-1.4	-3.55	19.03	0.08	7.00	Pass
			RB12#0	21.94	-1.4	-3.55	18.39	0.07	7.00	Pass
			RB12#6	22.05	-1.4	-3.55	18.50	0.07	7.00	Pass
			RB12#13	22	-1.4	-3.55	18.45	0.07	7.00	Pass
			RB25#0	21.87	-1.4	-3.55	18.32	0.07	7.00	Pass
		16-QAM	RB1#0	21.83	-1.4	-3.55	18.28	0.07	7.00	Pass
			RB1#13	21.41	-1.4	-3.55	17.86	0.06	7.00	Pass
			RB1#24	21.72	-1.4	-3.55	18.17	0.07	7.00	Pass
			RB12#0	20.86	-1.4	-3.55	17.31	0.05	7.00	Pass
			RB12#6	20.67	-1.4	-3.55	17.12	0.05	7.00	Pass
			RB12#13	20.98	-1.4	-3.55	17.43	0.06	7.00	Pass
			RB25#0	21.05	-1.4	-3.55	17.50	0.06	7.00	Pass
	MCH	QPSK	RB1#0	22.76	-1.4	-3.55	19.21	0.08	7.00	Pass
			RB1#13	23.03	-1.4	-3.55	19.48	0.09	7.00	Pass
			RB1#24	23.17	-1.4	-3.55	19.62	0.09	7.00	Pass
			RB12#0	22.09	-1.4	-3.55	18.54	0.07	7.00	Pass
			RB12#6	22.1	-1.4	-3.55	18.55	0.07	7.00	Pass
			RB12#13	22.03	-1.4	-3.55	18.48	0.07	7.00	Pass
			RB25#0	22.07	-1.4	-3.55	18.52	0.07	7.00	Pass
		16-QAM	RB1#0	22.54	-1.4	-3.55	18.99	0.08	7.00	Pass
			RB1#13	21.96	-1.4	-3.55	18.41	0.07	7.00	Pass
			RB1#24	22.37	-1.4	-3.55	18.82	0.08	7.00	Pass
			RB12#0	21.29	-1.4	-3.55	17.74	0.06	7.00	Pass
			RB12#6	21.3	-1.4	-3.55	17.75	0.06	7.00	Pass
			RB12#13	20.8	-1.4	-3.55	17.25	0.05	7.00	Pass
			RB25#0	20.85	-1.4	-3.55	17.30	0.05	7.00	Pass
	HCH	QPSK	RB1#0	22.85	-1.4	-3.55	19.30	0.09	7.00	Pass
			RB1#13	22.61	-1.4	-3.55	19.06	0.08	7.00	Pass
			RB1#24	22.78	-1.4	-3.55	19.23	0.08	7.00	Pass
			RB12#0	22	-1.4	-3.55	18.45	0.07	7.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND5										
			RB12#6	21.96	-1.4	-3.55	18.41	0.07	7.00	Pass
			RB12#13	21.94	-1.4	-3.55	18.39	0.07	7.00	Pass
			RB25#0	22	-1.4	-3.55	18.45	0.07	7.00	Pass
		16-QAM	RB1#0	21.98	-1.4	-3.55	18.43	0.07	7.00	Pass
			RB1#13	21.89	-1.4	-3.55	18.34	0.07	7.00	Pass
			RB1#24	21.94	-1.4	-3.55	18.39	0.07	7.00	Pass
			RB12#0	20.9	-1.4	-3.55	17.35	0.05	7.00	Pass
			RB12#6	20.87	-1.4	-3.55	17.32	0.05	7.00	Pass
			RB12#13	20.79	-1.4	-3.55	17.24	0.05	7.00	Pass
			RB25#0	20.86	-1.4	-3.55	17.31	0.05	7.00	Pass
10 MHz	LCH	QPSK	RB1#0	23.02	-1.4	-3.55	19.47	0.09	7.00	Pass
			RB1#25	23.01	-1.4	-3.55	19.46	0.09	7.00	Pass
			RB1#49	22.91	-1.4	-3.55	19.36	0.09	7.00	Pass
			RB25#0	21.91	-1.4	-3.55	18.36	0.07	7.00	Pass
			RB25#13	21.94	-1.4	-3.55	18.39	0.07	7.00	Pass
			RB25#25	21.88	-1.4	-3.55	18.33	0.07	7.00	Pass
			RB50#0	22.04	-1.4	-3.55	18.49	0.07	7.00	Pass
		16-QAM	RB1#0	22.18	-1.4	-3.55	18.63	0.07	7.00	Pass
			RB1#25	21.94	-1.4	-3.55	18.39	0.07	7.00	Pass
			RB1#49	21.86	-1.4	-3.55	18.31	0.07	7.00	Pass
			RB25#0	20.88	-1.4	-3.55	17.33	0.05	7.00	Pass
			RB25#13	20.77	-1.4	-3.55	17.22	0.05	7.00	Pass
			RB25#25	20.85	-1.4	-3.55	17.30	0.05	7.00	Pass
			RB50#0	20.93	-1.4	-3.55	17.38	0.05	7.00	Pass
	MCH	QPSK	RB1#0	23	-1.4	-3.55	19.45	0.09	7.00	Pass
			RB1#25	22.97	-1.4	-3.55	19.42	0.09	7.00	Pass
			RB1#49	22.97	-1.4	-3.55	19.42	0.09	7.00	Pass
			RB25#0	22.17	-1.4	-3.55	18.62	0.07	7.00	Pass
			RB25#13	22.01	-1.4	-3.55	18.46	0.07	7.00	Pass
			RB25#25	22.16	-1.4	-3.55	18.61	0.07	7.00	Pass
			RB50#0	22.22	-1.4	-3.55	18.67	0.07	7.00	Pass
		16-QAM	RB1#0	22.4	-1.4	-3.55	18.85	0.08	7.00	Pass
			RB1#25	22.07	-1.4	-3.55	18.52	0.07	7.00	Pass
			RB1#49	22.21	-1.4	-3.55	18.66	0.07	7.00	Pass
			RB25#0	21.03	-1.4	-3.55	17.48	0.06	7.00	Pass
			RB25#13	20.99	-1.4	-3.55	17.44	0.06	7.00	Pass
			RB25#25	21.16	-1.4	-3.55	17.61	0.06	7.00	Pass
			RB50#0	21.21	-1.4	-3.55	17.66	0.06	7.00	Pass
	HCH	QPSK	RB1#0	22.98	-1.4	-3.55	19.43	0.09	7.00	Pass

Test BW	Test Channel	Test Model	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#25	23.31	-1.4	-3.55	19.76	0.09	7.00	Pass
			RB1#49	23	-1.4	-3.55	19.45	0.09	7.00	Pass
			RB25#0	22.11	-1.4	-3.55	18.56	0.07	7.00	Pass
			RB25#13	22.03	-1.4	-3.55	18.48	0.07	7.00	Pass
			RB25#25	22.01	-1.4	-3.55	18.46	0.07	7.00	Pass
			RB50#0	22.08	-1.4	-3.55	18.53	0.07	7.00	Pass
		16-QAM	RB1#0	22	-1.4	-3.55	18.45	0.07	7.00	Pass
			RB1#25	22.17	-1.4	-3.55	18.62	0.07	7.00	Pass
			RB1#49	22.1	-1.4	-3.55	18.55	0.07	7.00	Pass
			RB25#0	21.23	-1.4	-3.55	17.68	0.06	7.00	Pass
			RB25#13	21.08	-1.4	-3.55	17.53	0.06	7.00	Pass
			RB25#25	21.06	-1.4	-3.55	17.51	0.06	7.00	Pass
			RB50#0	21	-1.4	-3.55	17.45	0.06	7.00	Pass

Test BW	Test Channel	Test Model	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	22.55	-4	-6.15	16.40	0.04	3.00	Pass
			RB1#3	22.52	-4	-6.15	16.37	0.04	3.00	Pass
			RB1#5	22.39	-4	-6.15	16.24	0.04	3.00	Pass
			RB3#0	22.52	-4	-6.15	16.37	0.04	3.00	Pass
			RB3#2	22.57	-4	-6.15	16.42	0.04	3.00	Pass
			RB3#3	22.47	-4	-6.15	16.32	0.04	3.00	Pass
			RB6#0	21.41	-4	-6.15	15.26	0.03	3.00	Pass
		16-QAM	RB1#0	22.25	-4	-6.15	16.10	0.04	3.00	Pass
			RB1#3	22.03	-4	-6.15	15.88	0.04	3.00	Pass
			RB1#5	22.03	-4	-6.15	15.88	0.04	3.00	Pass
			RB3#0	21.28	-4	-6.15	15.13	0.03	3.00	Pass
			RB3#2	21.64	-4	-6.15	15.49	0.04	3.00	Pass
			RB3#3	21.67	-4	-6.15	15.52	0.04	3.00	Pass
			RB6#0	20.61	-4	-6.15	14.46	0.03	3.00	Pass
	MCH	QPSK	RB1#0	22.49	-4	-6.15	16.34	0.04	3.00	Pass
			RB1#3	22.55	-4	-6.15	16.40	0.04	3.00	Pass
			RB1#5	22.54	-4	-6.15	16.39	0.04	3.00	Pass
			RB3#0	22.64	-4	-6.15	16.49	0.04	3.00	Pass
			RB3#2	22.71	-4	-6.15	16.56	0.05	3.00	Pass
			RB3#3	22.56	-4	-6.15	16.41	0.04	3.00	Pass
			RB6#0	21.62	-4	-6.15	15.47	0.04	3.00	Pass
		16-QAM	RB1#0	21.94	-4	-6.15	15.79	0.04	3.00	Pass
			RB1#3	22.14	-4	-6.15	15.99	0.04	3.00	Pass
			RB1#5	22.03	-4	-6.15	15.88	0.04	3.00	Pass
			RB3#0	21.9	-4	-6.15	15.75	0.04	3.00	Pass
			RB3#2	21.95	-4	-6.15	15.80	0.04	3.00	Pass
			RB3#3	21.79	-4	-6.15	15.64	0.04	3.00	Pass
			RB6#0	20.78	-4	-6.15	14.63	0.03	3.00	Pass
	HCH	QPSK	RB1#0	22.41	-4	-6.15	16.26	0.04	3.00	Pass
			RB1#3	22.66	-4	-6.15	16.51	0.04	3.00	Pass
			RB1#5	22.6	-4	-6.15	16.45	0.04	3.00	Pass
			RB3#0	22.38	-4	-6.15	16.23	0.04	3.00	Pass
			RB3#2	22.53	-4	-6.15	16.38	0.04	3.00	Pass
			RB3#3	22.53	-4	-6.15	16.38	0.04	3.00	Pass
			RB6#0	21.6	-4	-6.15	15.45	0.04	3.00	Pass
		16-QAM	RB1#0	21.8	-4	-6.15	15.65	0.04	3.00	Pass
			RB1#3	21.96	-4	-6.15	15.81	0.04	3.00	Pass
			RB1#5	21.98	-4	-6.15	15.83	0.04	3.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND12										
			RB3#0	21.94	-4	-6.15	15.79	0.04	3.00	Pass
			RB3#2	22.1	-4	-6.15	15.95	0.04	3.00	Pass
			RB3#3	22.09	-4	-6.15	15.94	0.04	3.00	Pass
			RB6#0	20.77	-4	-6.15	14.62	0.03	3.00	Pass
3 MHz	LCH	QPSK	RB1#0	22.51	-4	-6.15	16.36	0.04	3.00	Pass
			RB1#7	22.4	-4	-6.15	16.25	0.04	3.00	Pass
			RB1#14	22.43	-4	-6.15	16.28	0.04	3.00	Pass
			RB8#0	21.46	-4	-6.15	15.31	0.03	3.00	Pass
			RB8#4	21.41	-4	-6.15	15.26	0.03	3.00	Pass
			RB8#7	21.47	-4	-6.15	15.32	0.03	3.00	Pass
			RB15#0	21.55	-4	-6.15	15.40	0.03	3.00	Pass
		16-QAM	RB1#0	21.91	-4	-6.15	15.76	0.04	3.00	Pass
			RB1#7	21.73	-4	-6.15	15.58	0.04	3.00	Pass
			RB1#14	21.94	-4	-6.15	15.79	0.04	3.00	Pass
			RB8#0	20.69	-4	-6.15	14.54	0.03	3.00	Pass
			RB8#4	20.64	-4	-6.15	14.49	0.03	3.00	Pass
			RB8#7	20.66	-4	-6.15	14.51	0.03	3.00	Pass
			RB15#0	20.63	-4	-6.15	14.48	0.03	3.00	Pass
	MCH	QPSK	RB1#0	22.54	-4	-6.15	16.39	0.04	3.00	Pass
			RB1#7	22.48	-4	-6.15	16.33	0.04	3.00	Pass
			RB1#14	22.44	-4	-6.15	16.29	0.04	3.00	Pass
			RB8#0	21.65	-4	-6.15	15.50	0.04	3.00	Pass
			RB8#4	21.73	-4	-6.15	15.58	0.04	3.00	Pass
			RB8#7	21.66	-4	-6.15	15.51	0.04	3.00	Pass
			RB15#0	21.72	-4	-6.15	15.57	0.04	3.00	Pass
		16-QAM	RB1#0	22.69	-4	-6.15	16.54	0.05	3.00	Pass
			RB1#7	22.43	-4	-6.15	16.28	0.04	3.00	Pass
			RB1#14	22.55	-4	-6.15	16.40	0.04	3.00	Pass
			RB8#0	20.83	-4	-6.15	14.68	0.03	3.00	Pass
			RB8#4	20.73	-4	-6.15	14.58	0.03	3.00	Pass
			RB8#7	20.69	-4	-6.15	14.54	0.03	3.00	Pass
			RB15#0	20.6	-4	-6.15	14.45	0.03	3.00	Pass
	HCH	QPSK	RB1#0	22.47	-4	-6.15	16.32	0.04	3.00	Pass
			RB1#7	22.34	-4	-6.15	16.19	0.04	3.00	Pass
			RB1#14	22.58	-4	-6.15	16.43	0.04	3.00	Pass
			RB8#0	21.52	-4	-6.15	15.37	0.03	3.00	Pass
			RB8#4	21.5	-4	-6.15	15.35	0.03	3.00	Pass
			RB8#7	21.49	-4	-6.15	15.34	0.03	3.00	Pass
			RB15#0	21.58	-4	-6.15	15.43	0.03	3.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND12										
		16-QAM	RB1#0	21.83	-4	-6.15	15.68	0.04	3.00	Pass
			RB1#7	21.79	-4	-6.15	15.64	0.04	3.00	Pass
			RB1#14	21.88	-4	-6.15	15.73	0.04	3.00	Pass
			RB8#0	20.63	-4	-6.15	14.48	0.03	3.00	Pass
			RB8#4	20.61	-4	-6.15	14.46	0.03	3.00	Pass
			RB8#7	20.59	-4	-6.15	14.44	0.03	3.00	Pass
			RB15#0	20.6	-4	-6.15	14.45	0.03	3.00	Pass
5 MHz	LCH	QPSK	RB1#0	22.26	-4	-6.15	16.11	0.04	3.00	Pass
			RB1#13	22.2	-4	-6.15	16.05	0.04	3.00	Pass
			RB1#24	22.48	-4	-6.15	16.33	0.04	3.00	Pass
			RB12#0	21.49	-4	-6.15	15.34	0.03	3.00	Pass
			RB12#6	21.65	-4	-6.15	15.50	0.04	3.00	Pass
			RB12#13	21.59	-4	-6.15	15.44	0.03	3.00	Pass
			RB25#0	21.59	-4	-6.15	15.44	0.03	3.00	Pass
		16-QAM	RB1#0	21.3	-4	-6.15	15.15	0.03	3.00	Pass
			RB1#13	20.97	-4	-6.15	14.82	0.03	3.00	Pass
			RB1#24	21.28	-4	-6.15	15.13	0.03	3.00	Pass
			RB12#0	20.53	-4	-6.15	14.38	0.03	3.00	Pass
			RB12#6	20.41	-4	-6.15	14.26	0.03	3.00	Pass
			RB12#13	20.51	-4	-6.15	14.36	0.03	3.00	Pass
			RB25#0	20.59	-4	-6.15	14.44	0.03	3.00	Pass
	MCH	QPSK	RB1#0	22.53	-4	-6.15	16.38	0.04	3.00	Pass
			RB1#13	22.64	-4	-6.15	16.49	0.04	3.00	Pass
			RB1#24	22.54	-4	-6.15	16.39	0.04	3.00	Pass
			RB12#0	21.64	-4	-6.15	15.49	0.04	3.00	Pass
			RB12#6	21.63	-4	-6.15	15.48	0.04	3.00	Pass
			RB12#13	21.68	-4	-6.15	15.53	0.04	3.00	Pass
			RB25#0	21.67	-4	-6.15	15.52	0.04	3.00	Pass
		16-QAM	RB1#0	21.65	-4	-6.15	15.50	0.04	3.00	Pass
			RB1#13	21.51	-4	-6.15	15.36	0.03	3.00	Pass
			RB1#24	21.45	-4	-6.15	15.30	0.03	3.00	Pass
			RB12#0	20.65	-4	-6.15	14.50	0.03	3.00	Pass
			RB12#6	20.65	-4	-6.15	14.50	0.03	3.00	Pass
			RB12#13	20.69	-4	-6.15	14.54	0.03	3.00	Pass
			RB25#0	20.59	-4	-6.15	14.44	0.03	3.00	Pass
	HCH	QPSK	RB1#0	22.62	-4	-6.15	16.47	0.04	3.00	Pass
			RB1#13	22.49	-4	-6.15	16.34	0.04	3.00	Pass
			RB1#24	22.6	-4	-6.15	16.45	0.04	3.00	Pass
			RB12#0	21.63	-4	-6.15	15.48	0.04	3.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND12										
			RB12#6	21.56	-4	-6.15	15.41	0.03	3.00	Pass
			RB12#13	21.62	-4	-6.15	15.47	0.04	3.00	Pass
			RB25#0	21.67	-4	-6.15	15.52	0.04	3.00	Pass
		16-QAM	RB1#0	21.72	-4	-6.15	15.57	0.04	3.00	Pass
			RB1#13	21.35	-4	-6.15	15.20	0.03	3.00	Pass
			RB1#24	21.47	-4	-6.15	15.32	0.03	3.00	Pass
			RB12#0	20.55	-4	-6.15	14.40	0.03	3.00	Pass
			RB12#6	20.4	-4	-6.15	14.25	0.03	3.00	Pass
			RB12#13	20.36	-4	-6.15	14.21	0.03	3.00	Pass
			RB25#0	20.53	-4	-6.15	14.38	0.03	3.00	Pass
10 MHz	LCH	QPSK	RB1#0	22.61	-4	-6.15	16.46	0.04	3.00	Pass
			RB1#25	22.63	-4	-6.15	16.48	0.04	3.00	Pass
			RB1#49	22.4	-4	-6.15	16.25	0.04	3.00	Pass
			RB25#0	21.49	-4	-6.15	15.34	0.03	3.00	Pass
			RB25#13	21.56	-4	-6.15	15.41	0.03	3.00	Pass
			RB25#25	21.67	-4	-6.15	15.52	0.04	3.00	Pass
			RB50#0	21.68	-4	-6.15	15.53	0.04	3.00	Pass
		16-QAM	RB1#0	21.75	-4	-6.15	15.60	0.04	3.00	Pass
			RB1#25	22.15	-4	-6.15	16.00	0.04	3.00	Pass
			RB1#49	22.1	-4	-6.15	15.95	0.04	3.00	Pass
			RB25#0	20.54	-4	-6.15	14.39	0.03	3.00	Pass
			RB25#13	20.34	-4	-6.15	14.19	0.03	3.00	Pass
			RB25#25	20.59	-4	-6.15	14.44	0.03	3.00	Pass
			RB50#0	20.5	-4	-6.15	14.35	0.03	3.00	Pass
	MCH	QPSK	RB1#0	22.54	-4	-6.15	16.39	0.04	3.00	Pass
			RB1#25	22.57	-4	-6.15	16.42	0.04	3.00	Pass
			RB1#49	22.53	-4	-6.15	16.38	0.04	3.00	Pass
			RB25#0	21.61	-4	-6.15	15.46	0.04	3.00	Pass
			RB25#13	21.49	-4	-6.15	15.34	0.03	3.00	Pass
			RB25#25	21.63	-4	-6.15	15.48	0.04	3.00	Pass
			RB50#0	21.54	-4	-6.15	15.39	0.03	3.00	Pass
		16-QAM	RB1#0	22.02	-4	-6.15	15.87	0.04	3.00	Pass
			RB1#25	22.05	-4	-6.15	15.90	0.04	3.00	Pass
			RB1#49	21.74	-4	-6.15	15.59	0.04	3.00	Pass
			RB25#0	20.6	-4	-6.15	14.45	0.03	3.00	Pass
			RB25#13	20.57	-4	-6.15	14.42	0.03	3.00	Pass
			RB25#25	20.51	-4	-6.15	14.36	0.03	3.00	Pass
			RB50#0	20.52	-4	-6.15	14.37	0.03	3.00	Pass
	HCH	QPSK	RB1#0	22.86	-4	-6.15	16.71	0.05	3.00	Pass

Test BW	Test Channel	Test Model	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#25	22.68	-4	-6.15	16.53	0.04	3.00	Pass
			RB1#49	22.91	-4	-6.15	16.76	0.05	3.00	Pass
			RB25#0	21.78	-4	-6.15	15.63	0.04	3.00	Pass
			RB25#13	21.72	-4	-6.15	15.57	0.04	3.00	Pass
			RB25#25	21.77	-4	-6.15	15.62	0.04	3.00	Pass
			RB50#0	21.75	-4	-6.15	15.60	0.04	3.00	Pass
		16-QAM	RB1#0	21.89	-4	-6.15	15.74	0.04	3.00	Pass
			RB1#25	21.87	-4	-6.15	15.72	0.04	3.00	Pass
			RB1#49	21.99	-4	-6.15	15.84	0.04	3.00	Pass
			RB25#0	20.92	-4	-6.15	14.77	0.03	3.00	Pass
			RB25#13	20.86	-4	-6.15	14.71	0.03	3.00	Pass
			RB25#25	20.82	-4	-6.15	14.67	0.03	3.00	Pass
			RB50#0	20.75	-4	-6.15	14.60	0.03	3.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND13										
5 MHz	LCH	QPSK	RB1#0	22.66	-2.7	-4.85	17.81	0.06	3.00	Pass
			RB1#13	22.51	-2.7	-4.85	17.66	0.06	3.00	Pass
			RB1#24	22.46	-2.7	-4.85	17.61	0.06	3.00	Pass
			RB12#0	21.72	-2.7	-4.85	16.87	0.05	3.00	Pass
			RB12#6	21.74	-2.7	-4.85	16.89	0.05	3.00	Pass
			RB12#13	21.67	-2.7	-4.85	16.82	0.05	3.00	Pass
			RB25#0	21.78	-2.7	-4.85	16.93	0.05	3.00	Pass
		16-QAM	RB1#0	21.63	-2.7	-4.85	16.78	0.05	3.00	Pass
			RB1#13	20.95	-2.7	-4.85	16.10	0.04	3.00	Pass
			RB1#24	21.13	-2.7	-4.85	16.28	0.04	3.00	Pass
			RB12#0	20.83	-2.7	-4.85	15.98	0.04	3.00	Pass
			RB12#6	20.58	-2.7	-4.85	15.73	0.04	3.00	Pass
			RB12#13	20.45	-2.7	-4.85	15.60	0.04	3.00	Pass
			RB25#0	20.76	-2.7	-4.85	15.91	0.04	3.00	Pass
	MCH	QPSK	RB1#0	22.64	-2.7	-4.85	17.79	0.06	3.00	Pass
			RB1#13	22.67	-2.7	-4.85	17.82	0.06	3.00	Pass
			RB1#24	22.51	-2.7	-4.85	17.66	0.06	3.00	Pass
			RB12#0	21.71	-2.7	-4.85	16.86	0.05	3.00	Pass
			RB12#6	21.62	-2.7	-4.85	16.77	0.05	3.00	Pass
			RB12#13	21.72	-2.7	-4.85	16.87	0.05	3.00	Pass
			RB25#0	21.79	-2.7	-4.85	16.94	0.05	3.00	Pass
		16-QAM	RB1#0	21.6	-2.7	-4.85	16.75	0.05	3.00	Pass
			RB1#13	21.49	-2.7	-4.85	16.64	0.05	3.00	Pass
			RB1#24	21.76	-2.7	-4.85	16.91	0.05	3.00	Pass
			RB12#0	20.89	-2.7	-4.85	16.04	0.04	3.00	Pass
			RB12#6	20.66	-2.7	-4.85	15.81	0.04	3.00	Pass
			RB12#13	20.57	-2.7	-4.85	15.72	0.04	3.00	Pass
			RB25#0	20.57	-2.7	-4.85	15.72	0.04	3.00	Pass
	HCH	QPSK	RB1#0	22.56	-2.7	-4.85	17.71	0.06	3.00	Pass
			RB1#13	22.43	-2.7	-4.85	17.58	0.06	3.00	Pass
			RB1#24	22.47	-2.7	-4.85	17.62	0.06	3.00	Pass
			RB12#0	21.68	-2.7	-4.85	16.83	0.05	3.00	Pass
			RB12#6	21.63	-2.7	-4.85	16.78	0.05	3.00	Pass
			RB12#13	21.7	-2.7	-4.85	16.85	0.05	3.00	Pass
			RB25#0	21.75	-2.7	-4.85	16.90	0.05	3.00	Pass
		16-QAM	RB1#0	21.59	-2.7	-4.85	16.74	0.05	3.00	Pass
			RB1#13	21.44	-2.7	-4.85	16.59	0.05	3.00	Pass
			RB1#24	21.77	-2.7	-4.85	16.92	0.05	3.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND13										
			RB12#0	20.94	-2.7	-4.85	16.09	0.04	3.00	Pass
			RB12#6	20.64	-2.7	-4.85	15.79	0.04	3.00	Pass
			RB12#13	20.66	-2.7	-4.85	15.81	0.04	3.00	Pass
			RB25#0	20.77	-2.7	-4.85	15.92	0.04	3.00	Pass
10 MHz	LCH	QPSK	RB1#0	22.51	-2.7	-4.85	17.66	0.06	3.00	Pass
			RB1#25	22.57	-2.7	-4.85	17.72	0.06	3.00	Pass
			RB1#49	22.42	-2.7	-4.85	17.57	0.06	3.00	Pass
			RB25#0	21.84	-2.7	-4.85	16.99	0.05	3.00	Pass
			RB25#13	21.71	-2.7	-4.85	16.86	0.05	3.00	Pass
			RB25#25	21.68	-2.7	-4.85	16.83	0.05	3.00	Pass
			RB50#0	21.77	-2.7	-4.85	16.92	0.05	3.00	Pass
		16-QAM	RB1#0	21.56	-2.7	-4.85	16.71	0.05	3.00	Pass
			RB1#25	22.43	-2.7	-4.85	17.58	0.06	3.00	Pass
			RB1#49	21.99	-2.7	-4.85	17.14	0.05	3.00	Pass
			RB25#0	20.8	-2.7	-4.85	15.95	0.04	3.00	Pass
			RB25#13	20.58	-2.7	-4.85	15.73	0.04	3.00	Pass
			RB25#25	20.53	-2.7	-4.85	15.68	0.04	3.00	Pass
			RB50#0	20.72	-2.7	-4.85	15.87	0.04	3.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
1.4 MHz	LCH	QPSK	RB1#0	23.32	0.2	23.52	0.22	2.00	Pass
			RB1#3	23.21	0.2	23.41	0.22	2.00	Pass
			RB1#5	23.16	0.2	23.36	0.22	2.00	Pass
			RB3#0	23.3	0.2	23.50	0.22	2.00	Pass
			RB3#2	23.14	0.2	23.34	0.22	2.00	Pass
			RB3#3	23.15	0.2	23.35	0.22	2.00	Pass
			RB6#0	22.33	0.2	22.53	0.18	2.00	Pass
		16-QAM	RB1#0	23.05	0.2	23.25	0.21	2.00	Pass
			RB1#3	23.09	0.2	23.29	0.21	2.00	Pass
			RB1#5	22.97	0.2	23.17	0.21	2.00	Pass
			RB3#0	21.9	0.2	22.10	0.16	2.00	Pass
			RB3#2	21.99	0.2	22.19	0.17	2.00	Pass
			RB3#3	21.92	0.2	22.12	0.16	2.00	Pass
			RB6#0	21.13	0.2	21.33	0.14	2.00	Pass
	MCH	QPSK	RB1#0	22.86	0.2	23.06	0.20	2.00	Pass
			RB1#3	22.99	0.2	23.19	0.21	2.00	Pass
			RB1#5	22.85	0.2	23.05	0.20	2.00	Pass
			RB3#0	22.97	0.2	23.17	0.21	2.00	Pass
			RB3#2	22.98	0.2	23.18	0.21	2.00	Pass
			RB3#3	22.99	0.2	23.19	0.21	2.00	Pass
			RB6#0	22.08	0.2	22.28	0.17	2.00	Pass
		16-QAM	RB1#0	23.01	0.2	23.21	0.21	2.00	Pass
			RB1#3	23.03	0.2	23.23	0.21	2.00	Pass
			RB1#5	22.99	0.2	23.19	0.21	2.00	Pass
			RB3#0	22.16	0.2	22.36	0.17	2.00	Pass
			RB3#2	22.15	0.2	22.35	0.17	2.00	Pass
			RB3#3	22.09	0.2	22.29	0.17	2.00	Pass
			RB6#0	20.83	0.2	21.03	0.13	2.00	Pass
	HCH	QPSK	RB1#0	23.01	0.2	23.21	0.21	2.00	Pass
			RB1#3	23.61	0.2	23.81	0.24	2.00	Pass
			RB1#5	23.21	0.2	23.41	0.22	2.00	Pass
			RB3#0	23.25	0.2	23.45	0.22	2.00	Pass
			RB3#2	23.34	0.2	23.54	0.23	2.00	Pass
			RB3#3	23.21	0.2	23.41	0.22	2.00	Pass
			RB6#0	22.27	0.2	22.47	0.18	2.00	Pass
		16-QAM	RB1#0	22.19	0.2	22.39	0.17	2.00	Pass
			RB1#3	22.45	0.2	22.65	0.18	2.00	Pass
			RB1#5	22.45	0.2	22.65	0.18	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
			RB3#0	22.02	0.2	22.22	0.17	2.00	Pass
			RB3#2	22.07	0.2	22.27	0.17	2.00	Pass
			RB3#3	21.95	0.2	22.15	0.16	2.00	Pass
			RB6#0	21.37	0.2	21.57	0.14	2.00	Pass
3 MHz	LCH	QPSK	RB1#0	23.13	0.2	23.33	0.22	2.00	Pass
			RB1#7	23.07	0.2	23.27	0.21	2.00	Pass
			RB1#14	23.18	0.2	23.38	0.22	2.00	Pass
			RB8#0	22.43	0.2	22.63	0.18	2.00	Pass
			RB8#4	22.26	0.2	22.46	0.18	2.00	Pass
			RB8#7	22.16	0.2	22.36	0.17	2.00	Pass
			RB15#0	22.2	0.2	22.40	0.17	2.00	Pass
		16-QAM	RB1#0	22.23	0.2	22.43	0.17	2.00	Pass
			RB1#7	22.63	0.2	22.83	0.19	2.00	Pass
			RB1#14	22.83	0.2	23.03	0.20	2.00	Pass
			RB8#0	21.45	0.2	21.65	0.15	2.00	Pass
			RB8#4	21.19	0.2	21.39	0.14	2.00	Pass
			RB8#7	21.09	0.2	21.29	0.13	2.00	Pass
			RB15#0	21.06	0.2	21.26	0.13	2.00	Pass
	MCH	QPSK	RB1#0	22.95	0.2	23.15	0.21	2.00	Pass
			RB1#7	22.99	0.2	23.19	0.21	2.00	Pass
			RB1#14	23.16	0.2	23.36	0.22	2.00	Pass
			RB8#0	22.12	0.2	22.32	0.17	2.00	Pass
			RB8#4	22.05	0.2	22.25	0.17	2.00	Pass
			RB8#7	22.11	0.2	22.31	0.17	2.00	Pass
			RB15#0	22.08	0.2	22.28	0.17	2.00	Pass
		16-QAM	RB1#0	22.9	0.2	23.10	0.20	2.00	Pass
			RB1#7	22.16	0.2	22.36	0.17	2.00	Pass
			RB1#14	22.17	0.2	22.37	0.17	2.00	Pass
			RB8#0	21.07	0.2	21.27	0.13	2.00	Pass
			RB8#4	21.11	0.2	21.31	0.14	2.00	Pass
			RB8#7	21.14	0.2	21.34	0.14	2.00	Pass
			RB15#0	21.1	0.2	21.30	0.13	2.00	Pass
	HCH	QPSK	RB1#0	23.24	0.2	23.44	0.22	2.00	Pass
			RB1#7	23.05	0.2	23.25	0.21	2.00	Pass
			RB1#14	23.12	0.2	23.32	0.21	2.00	Pass
			RB8#0	22.22	0.2	22.42	0.17	2.00	Pass
			RB8#4	22.28	0.2	22.48	0.18	2.00	Pass
			RB8#7	22.17	0.2	22.37	0.17	2.00	Pass
			RB15#0	22.21	0.2	22.41	0.17	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
			RB1#0	22.49	0.2	22.69	0.19	2.00	Pass
			RB1#7	22.15	0.2	22.35	0.17	2.00	Pass
			RB1#14	22.36	0.2	22.56	0.18	2.00	Pass
		16-QAM	RB8#0	21.14	0.2	21.34	0.14	2.00	Pass
			RB8#4	21.11	0.2	21.31	0.14	2.00	Pass
			RB8#7	21.23	0.2	21.43	0.14	2.00	Pass
			RB15#0	21.16	0.2	21.36	0.14	2.00	Pass
5 MHz	LCH	QPSK	RB1#0	23.14	0.2	23.34	0.22	2.00	Pass
			RB1#13	22.92	0.2	23.12	0.21	2.00	Pass
			RB1#24	22.99	0.2	23.19	0.21	2.00	Pass
			RB12#0	22.3	0.2	22.50	0.18	2.00	Pass
			RB12#6	22.22	0.2	22.42	0.17	2.00	Pass
			RB12#13	22.04	0.2	22.24	0.17	2.00	Pass
			RB25#0	22.21	0.2	22.41	0.17	2.00	Pass
		16-QAM	RB1#0	22.14	0.2	22.34	0.17	2.00	Pass
			RB1#13	21.69	0.2	21.89	0.15	2.00	Pass
			RB1#24	21.71	0.2	21.91	0.16	2.00	Pass
			RB12#0	21.13	0.2	21.33	0.14	2.00	Pass
			RB12#6	20.95	0.2	21.15	0.13	2.00	Pass
			RB12#13	21.08	0.2	21.28	0.13	2.00	Pass
			RB25#0	21.31	0.2	21.51	0.14	2.00	Pass
	MCH	QPSK	RB1#0	23	0.2	23.20	0.21	2.00	Pass
			RB1#13	23.1	0.2	23.30	0.21	2.00	Pass
			RB1#24	23.28	0.2	23.48	0.22	2.00	Pass
			RB12#0	22.17	0.2	22.37	0.17	2.00	Pass
			RB12#6	22.07	0.2	22.27	0.17	2.00	Pass
			RB12#13	22.17	0.2	22.37	0.17	2.00	Pass
			RB25#0	22.07	0.2	22.27	0.17	2.00	Pass
		16-QAM	RB1#0	22.52	0.2	22.72	0.19	2.00	Pass
			RB1#13	22.09	0.2	22.29	0.17	2.00	Pass
			RB1#24	21.97	0.2	22.17	0.16	2.00	Pass
			RB12#0	21.08	0.2	21.28	0.13	2.00	Pass
			RB12#6	21.11	0.2	21.31	0.14	2.00	Pass
			RB12#13	21.21	0.2	21.41	0.14	2.00	Pass
			RB25#0	21.08	0.2	21.28	0.13	2.00	Pass
	HCH	QPSK	RB1#0	23.21	0.2	23.41	0.22	2.00	Pass
			RB1#13	23.25	0.2	23.45	0.22	2.00	Pass
			RB1#24	22.92	0.2	23.12	0.21	2.00	Pass
			RB12#0	22.3	0.2	22.50	0.18	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
			RB12#6	22.26	0.2	22.46	0.18	2.00	Pass
			RB12#13	22.32	0.2	22.52	0.18	2.00	Pass
			RB25#0	22.47	0.2	22.67	0.18	2.00	Pass
		16-QAM	RB1#0	22.47	0.2	22.67	0.18	2.00	Pass
			RB1#13	22.47	0.2	22.67	0.18	2.00	Pass
			RB1#24	22.94	0.2	23.14	0.21	2.00	Pass
			RB12#0	21.4	0.2	21.60	0.14	2.00	Pass
			RB12#6	21.36	0.2	21.56	0.14	2.00	Pass
			RB12#13	21.07	0.2	21.27	0.13	2.00	Pass
			RB25#0	21.33	0.2	21.53	0.14	2.00	Pass
10 MHz	LCH	QPSK	RB1#0	23.52	0.2	23.72	0.24	2.00	Pass
			RB1#25	23.06	0.2	23.26	0.21	2.00	Pass
			RB1#49	23.27	0.2	23.47	0.22	2.00	Pass
			RB25#0	22.22	0.2	22.42	0.17	2.00	Pass
			RB25#13	22.23	0.2	22.43	0.17	2.00	Pass
			RB25#25	22.45	0.2	22.65	0.18	2.00	Pass
			RB50#0	22.36	0.2	22.56	0.18	2.00	Pass
		16-QAM	RB1#0	22.33	0.2	22.53	0.18	2.00	Pass
			RB1#25	23.07	0.2	23.27	0.21	2.00	Pass
			RB1#49	22.85	0.2	23.05	0.20	2.00	Pass
			RB25#0	21.17	0.2	21.37	0.14	2.00	Pass
			RB25#13	20.96	0.2	21.16	0.13	2.00	Pass
			RB25#25	21.17	0.2	21.37	0.14	2.00	Pass
			RB50#0	21.19	0.2	21.39	0.14	2.00	Pass
	MCH	QPSK	RB1#0	23.17	0.2	23.37	0.22	2.00	Pass
			RB1#25	22.99	0.2	23.19	0.21	2.00	Pass
			RB1#49	23.07	0.2	23.27	0.21	2.00	Pass
			RB25#0	22.19	0.2	22.39	0.17	2.00	Pass
			RB25#13	22.06	0.2	22.26	0.17	2.00	Pass
			RB25#25	22.24	0.2	22.44	0.18	2.00	Pass
			RB50#0	22.12	0.2	22.32	0.17	2.00	Pass
		16-QAM	RB1#0	22.48	0.2	22.68	0.19	2.00	Pass
			RB1#25	22.33	0.2	22.53	0.18	2.00	Pass
			RB1#49	22.41	0.2	22.61	0.18	2.00	Pass
			RB25#0	21.05	0.2	21.25	0.13	2.00	Pass
			RB25#13	21.08	0.2	21.28	0.13	2.00	Pass
			RB25#25	21.25	0.2	21.45	0.14	2.00	Pass
			RB50#0	21.21	0.2	21.41	0.14	2.00	Pass
	HCH	QPSK	RB1#0	23.34	0.2	23.54	0.23	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
			RB1#25	23.33	0.2	23.53	0.23	2.00	Pass
			RB1#49	23.41	0.2	23.61	0.23	2.00	Pass
			RB25#0	22.45	0.2	22.65	0.18	2.00	Pass
			RB25#13	22.53	0.2	22.73	0.19	2.00	Pass
			RB25#25	22.51	0.2	22.71	0.19	2.00	Pass
			RB50#0	22.49	0.2	22.69	0.19	2.00	Pass
		16-QAM	RB1#0	22.79	0.2	22.99	0.20	2.00	Pass
			RB1#25	22.8	0.2	23.00	0.20	2.00	Pass
			RB1#49	22.64	0.2	22.84	0.19	2.00	Pass
			RB25#0	21.41	0.2	21.61	0.14	2.00	Pass
			RB25#13	21.38	0.2	21.58	0.14	2.00	Pass
			RB25#25	21.52	0.2	21.72	0.15	2.00	Pass
			RB50#0	21.49	0.2	21.69	0.15	2.00	Pass
15 MHz	LCH	QPSK	RB1#0	23.59	0.2	23.79	0.24	2.00	Pass
			RB1#38	23.19	0.2	23.39	0.22	2.00	Pass
			RB1#74	23.29	0.2	23.49	0.22	2.00	Pass
			RB36#0	22.2	0.2	22.40	0.17	2.00	Pass
			RB36#19	22.28	0.2	22.48	0.18	2.00	Pass
			RB36#39	22.37	0.2	22.57	0.18	2.00	Pass
			RB75#0	22.31	0.2	22.51	0.18	2.00	Pass
		16-QAM	RB1#0	22.97	0.2	23.17	0.21	2.00	Pass
			RB1#38	22.24	0.2	22.44	0.18	2.00	Pass
			RB1#74	22.23	0.2	22.43	0.17	2.00	Pass
			RB36#0	21.03	0.2	21.23	0.13	2.00	Pass
			RB36#19	21.1	0.2	21.30	0.13	2.00	Pass
			RB36#39	21.29	0.2	21.49	0.14	2.00	Pass
			RB75#0	21.29	0.2	21.49	0.14	2.00	Pass
	MCH	QPSK	RB1#0	23.23	0.2	23.43	0.22	2.00	Pass
			RB1#38	22.95	0.2	23.15	0.21	2.00	Pass
			RB1#74	22.92	0.2	23.12	0.21	2.00	Pass
			RB36#0	22.1	0.2	22.30	0.17	2.00	Pass
			RB36#19	22.02	0.2	22.22	0.17	2.00	Pass
			RB36#39	22.06	0.2	22.26	0.17	2.00	Pass
			RB75#0	22.03	0.2	22.23	0.17	2.00	Pass
		16-QAM	RB1#0	22.57	0.2	22.77	0.19	2.00	Pass
			RB1#38	22.45	0.2	22.65	0.18	2.00	Pass
			RB1#74	22.35	0.2	22.55	0.18	2.00	Pass
			RB36#0	21.12	0.2	21.32	0.14	2.00	Pass
			RB36#19	21.03	0.2	21.23	0.13	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
			RB36#39	21.17	0.2	21.37	0.14	2.00	Pass
			RB75#0	21.13	0.2	21.33	0.14	2.00	Pass
	HCH	QPSK	RB1#0	23.06	0.2	23.26	0.21	2.00	Pass
			RB1#38	23.11	0.2	23.31	0.21	2.00	Pass
			RB1#74	23.15	0.2	23.35	0.22	2.00	Pass
			RB36#0	22.14	0.2	22.34	0.17	2.00	Pass
			RB36#19	22.19	0.2	22.39	0.17	2.00	Pass
			RB36#39	22.34	0.2	22.54	0.18	2.00	Pass
			RB75#0	22.27	0.2	22.47	0.18	2.00	Pass
		16-QAM	RB1#0	22.96	0.2	23.16	0.21	2.00	Pass
			RB1#38	22.89	0.2	23.09	0.20	2.00	Pass
			RB1#74	22.97	0.2	23.17	0.21	2.00	Pass
			RB36#0	21.05	0.2	21.25	0.13	2.00	Pass
			RB36#19	21.18	0.2	21.38	0.14	2.00	Pass
			RB36#39	21.22	0.2	21.42	0.14	2.00	Pass
			RB75#0	21.09	0.2	21.29	0.13	2.00	Pass
20 MHz	LCH	QPSK	RB1#0	23.47	0.2	23.67	0.23	2.00	Pass
			RB1#50	23.08	0.2	23.28	0.21	2.00	Pass
			RB1#99	23.06	0.2	23.26	0.21	2.00	Pass
			RB50#0	22.38	0.2	22.58	0.18	2.00	Pass
			RB50#25	22.38	0.2	22.58	0.18	2.00	Pass
			RB50#50	22.32	0.2	22.52	0.18	2.00	Pass
			RB100#0	22.54	0.2	22.74	0.19	2.00	Pass
		16-QAM	RB1#0	22.17	0.2	22.37	0.17	2.00	Pass
			RB1#50	22.26	0.2	22.46	0.18	2.00	Pass
			RB1#99	22.28	0.2	22.48	0.18	2.00	Pass
			RB50#0	21.45	0.2	21.65	0.15	2.00	Pass
			RB50#25	21.45	0.2	21.65	0.15	2.00	Pass
			RB50#50	21.39	0.2	21.59	0.14	2.00	Pass
			RB100#0	21.34	0.2	21.54	0.14	2.00	Pass
	MCH	QPSK	RB1#0	23.47	0.2	23.67	0.23	2.00	Pass
			RB1#50	23.47	0.2	23.67	0.23	2.00	Pass
			RB1#99	23.33	0.2	23.53	0.23	2.00	Pass
			RB50#0	22.22	0.2	22.42	0.17	2.00	Pass
			RB50#25	22.18	0.2	22.38	0.17	2.00	Pass
			RB50#50	22.08	0.2	22.28	0.17	2.00	Pass
			RB100#0	22.09	0.2	22.29	0.17	2.00	Pass
		16-QAM	RB1#0	22.71	0.2	22.91	0.20	2.00	Pass
			RB1#50	22.59	0.2	22.79	0.19	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND25									
			RB1#99	22.41	0.2	22.61	0.18	2.00	Pass
			RB50#0	21.16	0.2	21.36	0.14	2.00	Pass
			RB50#25	21.08	0.2	21.28	0.13	2.00	Pass
			RB50#50	21.09	0.2	21.29	0.13	2.00	Pass
			RB100#0	21.05	0.2	21.25	0.13	2.00	Pass
	HCH	QPSK	RB1#0	23.22	0.2	23.42	0.22	2.00	Pass
			RB1#50	23.03	0.2	23.23	0.21	2.00	Pass
			RB1#99	23.21	0.2	23.41	0.22	2.00	Pass
			RB50#0	22.02	0.2	22.22	0.17	2.00	Pass
			RB50#25	22.1	0.2	22.30	0.17	2.00	Pass
			RB50#50	22.08	0.2	22.28	0.17	2.00	Pass
			RB100#0	22.11	0.2	22.31	0.17	2.00	Pass
		16-QAM	RB1#0	22.49	0.2	22.69	0.19	2.00	Pass
			RB1#50	22.4	0.2	22.60	0.18	2.00	Pass
			RB1#99	22.41	0.2	22.61	0.18	2.00	Pass
			RB50#0	20.94	0.2	21.14	0.13	2.00	Pass
			RB50#25	20.94	0.2	21.14	0.13	2.00	Pass
			RB50#50	21.05	0.2	21.25	0.13	2.00	Pass
			RB100#0	21.1	0.2	21.30	0.13	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26										
1.4 MHz	LCH	QPSK	RB1#0	22.85	-1.4	-3.55	19.30	0.09	7.00	Pass
			RB1#3	22.88	-1.4	-3.55	19.33	0.09	7.00	Pass
			RB1#5	23	-1.4	-3.55	19.45	0.09	7.00	Pass
			RB3#0	22.91	-1.4	-3.55	19.36	0.09	7.00	Pass
			RB3#2	22.84	-1.4	-3.55	19.29	0.08	7.00	Pass
			RB3#3	22.82	-1.4	-3.55	19.27	0.08	7.00	Pass
			RB6#0	21.87	-1.4	-3.55	18.32	0.07	7.00	Pass
		16-QAM	RB1#0	22.78	-1.4	-3.55	19.23	0.08	7.00	Pass
			RB1#3	22.6	-1.4	-3.55	19.05	0.08	7.00	Pass
			RB1#5	22.6	-1.4	-3.55	19.05	0.08	7.00	Pass
			RB3#0	22.13	-1.4	-3.55	18.58	0.07	7.00	Pass
			RB3#2	22.11	-1.4	-3.55	18.56	0.07	7.00	Pass
			RB3#3	22.1	-1.4	-3.55	18.55	0.07	7.00	Pass
			RB6#0	21.28	-1.4	-3.55	17.73	0.06	7.00	Pass
	MCH	QPSK	RB1#0	22.86	-1.4	-3.55	19.31	0.09	7.00	Pass
			RB1#3	22.88	-1.4	-3.55	19.33	0.09	7.00	Pass
			RB1#5	22.78	-1.4	-3.55	19.23	0.08	7.00	Pass
			RB3#0	22.86	-1.4	-3.55	19.31	0.09	7.00	Pass
			RB3#2	22.92	-1.4	-3.55	19.37	0.09	7.00	Pass
			RB3#3	22.81	-1.4	-3.55	19.26	0.08	7.00	Pass
			RB6#0	21.78	-1.4	-3.55	18.23	0.07	7.00	Pass
		16-QAM	RB1#0	22.15	-1.4	-3.55	18.60	0.07	7.00	Pass
			RB1#3	22.19	-1.4	-3.55	18.64	0.07	7.00	Pass
			RB1#5	22.19	-1.4	-3.55	18.64	0.07	7.00	Pass
			RB3#0	21.96	-1.4	-3.55	18.41	0.07	7.00	Pass
			RB3#2	21.99	-1.4	-3.55	18.44	0.07	7.00	Pass
			RB3#3	21.87	-1.4	-3.55	18.32	0.07	7.00	Pass
			RB6#0	20.67	-1.4	-3.55	17.12	0.05	7.00	Pass
	HCH	QPSK	RB1#0	22.56	-1.4	-3.55	19.01	0.08	7.00	Pass
			RB1#3	22.5	-1.4	-3.55	18.95	0.08	7.00	Pass
			RB1#5	22.5	-1.4	-3.55	18.95	0.08	7.00	Pass
			RB3#0	22.63	-1.4	-3.55	19.08	0.08	7.00	Pass
			RB3#2	22.55	-1.4	-3.55	19.00	0.08	7.00	Pass
			RB3#3	22.54	-1.4	-3.55	18.99	0.08	7.00	Pass
			RB6#0	21.54	-1.4	-3.55	17.99	0.06	7.00	Pass
		16-QAM	RB1#0	21.67	-1.4	-3.55	18.12	0.06	7.00	Pass
			RB1#3	21.71	-1.4	-3.55	18.16	0.07	7.00	Pass
			RB1#5	21.59	-1.4	-3.55	18.04	0.06	7.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26										
			RB3#0	21.6	-1.4	-3.55	18.05	0.06	7.00	Pass
			RB3#2	21.62	-1.4	-3.55	18.07	0.06	7.00	Pass
			RB3#3	21.51	-1.4	-3.55	17.96	0.06	7.00	Pass
			RB6#0	20.56	-1.4	-3.55	17.01	0.05	7.00	Pass
3 MHz	LCH	QPSK	RB1#0	22.83	-1.4	-3.55	19.28	0.08	7.00	Pass
			RB1#7	22.85	-1.4	-3.55	19.30	0.09	7.00	Pass
			RB1#14	22.94	-1.4	-3.55	19.39	0.09	7.00	Pass
			RB8#0	21.87	-1.4	-3.55	18.32	0.07	7.00	Pass
			RB8#4	21.84	-1.4	-3.55	18.29	0.07	7.00	Pass
			RB8#7	21.79	-1.4	-3.55	18.24	0.07	7.00	Pass
			RB15#0	21.84	-1.4	-3.55	18.29	0.07	7.00	Pass
		16-QAM	RB1#0	22.25	-1.4	-3.55	18.70	0.07	7.00	Pass
			RB1#7	21.55	-1.4	-3.55	18.00	0.06	7.00	Pass
			RB1#14	21.76	-1.4	-3.55	18.21	0.07	7.00	Pass
			RB8#0	20.62	-1.4	-3.55	17.07	0.05	7.00	Pass
			RB8#4	20.66	-1.4	-3.55	17.11	0.05	7.00	Pass
			RB8#7	20.63	-1.4	-3.55	17.08	0.05	7.00	Pass
			RB15#0	20.87	-1.4	-3.55	17.32	0.05	7.00	Pass
	MCH	QPSK	RB1#0	22.71	-1.4	-3.55	19.16	0.08	7.00	Pass
			RB1#7	22.66	-1.4	-3.55	19.11	0.08	7.00	Pass
			RB1#14	22.71	-1.4	-3.55	19.16	0.08	7.00	Pass
			RB8#0	21.86	-1.4	-3.55	18.31	0.07	7.00	Pass
			RB8#4	21.77	-1.4	-3.55	18.22	0.07	7.00	Pass
			RB8#7	21.73	-1.4	-3.55	18.18	0.07	7.00	Pass
			RB15#0	21.79	-1.4	-3.55	18.24	0.07	7.00	Pass
		16-QAM	RB1#0	22.42	-1.4	-3.55	18.87	0.08	7.00	Pass
			RB1#7	21.97	-1.4	-3.55	18.42	0.07	7.00	Pass
			RB1#14	22.04	-1.4	-3.55	18.49	0.07	7.00	Pass
			RB8#0	20.81	-1.4	-3.55	17.26	0.05	7.00	Pass
			RB8#4	20.74	-1.4	-3.55	17.19	0.05	7.00	Pass
			RB8#7	20.78	-1.4	-3.55	17.23	0.05	7.00	Pass
			RB15#0	20.91	-1.4	-3.55	17.36	0.05	7.00	Pass
	HCH	QPSK	RB1#0	22.78	-1.4	-3.55	19.23	0.08	7.00	Pass
			RB1#7	22.39	-1.4	-3.55	18.84	0.08	7.00	Pass
			RB1#14	22.46	-1.4	-3.55	18.91	0.08	7.00	Pass
			RB8#0	21.71	-1.4	-3.55	18.16	0.07	7.00	Pass
			RB8#4	21.57	-1.4	-3.55	18.02	0.06	7.00	Pass
			RB8#7	21.57	-1.4	-3.55	18.02	0.06	7.00	Pass
			RB15#0	21.72	-1.4	-3.55	18.17	0.07	7.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26										
		16-QAM	RB1#0	21.94	-1.4	-3.55	18.39	0.07	7.00	Pass
			RB1#7	21.76	-1.4	-3.55	18.21	0.07	7.00	Pass
			RB1#14	21.72	-1.4	-3.55	18.17	0.07	7.00	Pass
			RB8#0	20.92	-1.4	-3.55	17.37	0.05	7.00	Pass
			RB8#4	20.8	-1.4	-3.55	17.25	0.05	7.00	Pass
			RB8#7	20.62	-1.4	-3.55	17.07	0.05	7.00	Pass
			RB15#0	20.58	-1.4	-3.55	17.03	0.05	7.00	Pass
5 MHz	LCH	QPSK	RB1#0	22.83	-1.4	-3.55	19.28	0.08	7.00	Pass
			RB1#13	22.58	-1.4	-3.55	19.03	0.08	7.00	Pass
			RB1#24	22.76	-1.4	-3.55	19.21	0.08	7.00	Pass
			RB12#0	21.93	-1.4	-3.55	18.38	0.07	7.00	Pass
			RB12#6	21.91	-1.4	-3.55	18.36	0.07	7.00	Pass
			RB12#13	21.74	-1.4	-3.55	18.19	0.07	7.00	Pass
			RB25#0	21.78	-1.4	-3.55	18.23	0.07	7.00	Pass
		16-QAM	RB1#0	21.84	-1.4	-3.55	18.29	0.07	7.00	Pass
			RB1#13	21.34	-1.4	-3.55	17.79	0.06	7.00	Pass
			RB1#24	21.66	-1.4	-3.55	18.11	0.06	7.00	Pass
			RB12#0	20.71	-1.4	-3.55	17.16	0.05	7.00	Pass
			RB12#6	20.65	-1.4	-3.55	17.10	0.05	7.00	Pass
			RB12#13	20.62	-1.4	-3.55	17.07	0.05	7.00	Pass
			RB25#0	20.9	-1.4	-3.55	17.35	0.05	7.00	Pass
	MCH	QPSK	RB1#0	22.66	-1.4	-3.55	19.11	0.08	7.00	Pass
			RB1#13	22.62	-1.4	-3.55	19.07	0.08	7.00	Pass
			RB1#24	23.11	-1.4	-3.55	19.56	0.09	7.00	Pass
			RB12#0	21.89	-1.4	-3.55	18.34	0.07	7.00	Pass
			RB12#6	21.8	-1.4	-3.55	18.25	0.07	7.00	Pass
			RB12#13	21.88	-1.4	-3.55	18.33	0.07	7.00	Pass
			RB25#0	21.93	-1.4	-3.55	18.38	0.07	7.00	Pass
		16-QAM	RB1#0	22.24	-1.4	-3.55	18.69	0.07	7.00	Pass
			RB1#13	22.14	-1.4	-3.55	18.59	0.07	7.00	Pass
			RB1#24	22.25	-1.4	-3.55	18.70	0.07	7.00	Pass
			RB12#0	20.99	-1.4	-3.55	17.44	0.06	7.00	Pass
			RB12#6	20.66	-1.4	-3.55	17.11	0.05	7.00	Pass
			RB12#13	20.61	-1.4	-3.55	17.06	0.05	7.00	Pass
			RB25#0	20.82	-1.4	-3.55	17.27	0.05	7.00	Pass
	HCH	QPSK	RB1#0	22.71	-1.4	-3.55	19.16	0.08	7.00	Pass
			RB1#13	22.56	-1.4	-3.55	19.01	0.08	7.00	Pass
			RB1#24	22.29	-1.4	-3.55	18.74	0.07	7.00	Pass
			RB12#0	21.76	-1.4	-3.55	18.21	0.07	7.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26										
			RB12#6	21.67	-1.4	-3.55	18.12	0.06	7.00	Pass
			RB12#13	21.79	-1.4	-3.55	18.24	0.07	7.00	Pass
			RB25#0	21.78	-1.4	-3.55	18.23	0.07	7.00	Pass
		16-QAM	RB1#0	21.78	-1.4	-3.55	18.23	0.07	7.00	Pass
			RB1#13	21.83	-1.4	-3.55	18.28	0.07	7.00	Pass
			RB1#24	21.75	-1.4	-3.55	18.20	0.07	7.00	Pass
			RB12#0	20.62	-1.4	-3.55	17.07	0.05	7.00	Pass
			RB12#6	20.71	-1.4	-3.55	17.16	0.05	7.00	Pass
			RB12#13	20.77	-1.4	-3.55	17.22	0.05	7.00	Pass
			RB25#0	20.84	-1.4	-3.55	17.29	0.05	7.00	Pass
10 MHz	LCH	QPSK	RB1#0	23.03	-1.4	-3.55	19.48	0.09	7.00	Pass
			RB1#25	22.73	-1.4	-3.55	19.18	0.08	7.00	Pass
			RB1#49	22.87	-1.4	-3.55	19.32	0.09	7.00	Pass
			RB25#0	21.85	-1.4	-3.55	18.30	0.07	7.00	Pass
			RB25#13	21.74	-1.4	-3.55	18.19	0.07	7.00	Pass
			RB25#25	21.79	-1.4	-3.55	18.24	0.07	7.00	Pass
			RB50#0	21.78	-1.4	-3.55	18.23	0.07	7.00	Pass
		16-QAM	RB1#0	22.07	-1.4	-3.55	18.52	0.07	7.00	Pass
			RB1#25	21.71	-1.4	-3.55	18.16	0.07	7.00	Pass
			RB1#49	21.87	-1.4	-3.55	18.32	0.07	7.00	Pass
			RB25#0	20.76	-1.4	-3.55	17.21	0.05	7.00	Pass
			RB25#13	20.74	-1.4	-3.55	17.19	0.05	7.00	Pass
			RB25#25	20.71	-1.4	-3.55	17.16	0.05	7.00	Pass
			RB50#0	20.88	-1.4	-3.55	17.33	0.05	7.00	Pass
	MCH	QPSK	RB1#0	22.72	-1.4	-3.55	19.17	0.08	7.00	Pass
			RB1#25	22.83	-1.4	-3.55	19.28	0.08	7.00	Pass
			RB1#49	22.76	-1.4	-3.55	19.21	0.08	7.00	Pass
			RB25#0	21.99	-1.4	-3.55	18.44	0.07	7.00	Pass
			RB25#13	21.71	-1.4	-3.55	18.16	0.07	7.00	Pass
			RB25#25	21.87	-1.4	-3.55	18.32	0.07	7.00	Pass
			RB50#0	21.97	-1.4	-3.55	18.42	0.07	7.00	Pass
		16-QAM	RB1#0	22.49	-1.4	-3.55	18.94	0.08	7.00	Pass
			RB1#25	22.14	-1.4	-3.55	18.59	0.07	7.00	Pass
			RB1#49	22.09	-1.4	-3.55	18.54	0.07	7.00	Pass
			RB25#0	20.92	-1.4	-3.55	17.37	0.05	7.00	Pass
			RB25#13	20.73	-1.4	-3.55	17.18	0.05	7.00	Pass
			RB25#25	20.68	-1.4	-3.55	17.13	0.05	7.00	Pass
			RB50#0	20.91	-1.4	-3.55	17.36	0.05	7.00	Pass
	HCH	QPSK	RB1#0	22.96	-1.4	-3.55	19.41	0.09	7.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26										
			RB1#25	22.82	-1.4	-3.55	19.27	0.08	7.00	Pass
			RB1#49	22.76	-1.4	-3.55	19.21	0.08	7.00	Pass
			RB25#0	21.89	-1.4	-3.55	18.34	0.07	7.00	Pass
			RB25#13	21.77	-1.4	-3.55	18.22	0.07	7.00	Pass
			RB25#25	21.72	-1.4	-3.55	18.17	0.07	7.00	Pass
			RB50#0	21.67	-1.4	-3.55	18.12	0.06	7.00	Pass
		16-QAM	RB1#0	22.25	-1.4	-3.55	18.70	0.07	7.00	Pass
			RB1#25	22.13	-1.4	-3.55	18.58	0.07	7.00	Pass
			RB1#49	21.89	-1.4	-3.55	18.34	0.07	7.00	Pass
			RB25#0	20.95	-1.4	-3.55	17.40	0.05	7.00	Pass
			RB25#13	20.85	-1.4	-3.55	17.30	0.05	7.00	Pass
			RB25#25	20.78	-1.4	-3.55	17.23	0.05	7.00	Pass
			RB50#0	20.79	-1.4	-3.55	17.24	0.05	7.00	Pass
15 MHz	LCH	QPSK	RB1#0	22.99	-1.4	-3.55	19.44	0.09	7.00	Pass
			RB1#38	22.59	-1.4	-3.55	19.04	0.08	7.00	Pass
			RB1#74	22.85	-1.4	-3.55	19.30	0.09	7.00	Pass
			RB36#0	21.79	-1.4	-3.55	18.24	0.07	7.00	Pass
			RB36#19	21.63	-1.4	-3.55	18.08	0.06	7.00	Pass
			RB36#39	21.81	-1.4	-3.55	18.26	0.07	7.00	Pass
			RB75#0	21.74	-1.4	-3.55	18.19	0.07	7.00	Pass
		16-QAM	RB1#0	22.54	-1.4	-3.55	18.99	0.08	7.00	Pass
			RB1#38	21.94	-1.4	-3.55	18.39	0.07	7.00	Pass
			RB1#74	22.26	-1.4	-3.55	18.71	0.07	7.00	Pass
			RB36#0	20.86	-1.4	-3.55	17.31	0.05	7.00	Pass
			RB36#19	20.72	-1.4	-3.55	17.17	0.05	7.00	Pass
			RB36#39	20.91	-1.4	-3.55	17.36	0.05	7.00	Pass
			RB75#0	20.68	-1.4	-3.55	17.13	0.05	7.00	Pass
	MCH	QPSK	RB1#0	22.99	-1.4	-3.55	19.44	0.09	7.00	Pass
			RB1#38	22.72	-1.4	-3.55	19.17	0.08	7.00	Pass
			RB1#74	22.91	-1.4	-3.55	19.36	0.09	7.00	Pass
			RB36#0	21.8	-1.4	-3.55	18.25	0.07	7.00	Pass
			RB36#19	21.8	-1.4	-3.55	18.25	0.07	7.00	Pass
			RB36#39	21.86	-1.4	-3.55	18.31	0.07	7.00	Pass
			RB75#0	21.94	-1.4	-3.55	18.39	0.07	7.00	Pass
		16-QAM	RB1#0	22.24	-1.4	-3.55	18.69	0.07	7.00	Pass
			RB1#38	21.95	-1.4	-3.55	18.40	0.07	7.00	Pass
			RB1#74	22.7	-1.4	-3.55	19.15	0.08	7.00	Pass
			RB36#0	20.99	-1.4	-3.55	17.44	0.06	7.00	Pass
			RB36#19	20.94	-1.4	-3.55	17.39	0.05	7.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
LTE BAND26										
			RB36#39	20.98	-1.4	-3.55	17.43	0.06	7.00	Pass
			RB75#0	20.79	-1.4	-3.55	17.24	0.05	7.00	Pass
	HCH	QPSK	RB1#0	23.21	-1.4	-3.55	19.66	0.09	7.00	Pass
			RB1#38	23.03	-1.4	-3.55	19.48	0.09	7.00	Pass
			RB1#74	22.82	-1.4	-3.55	19.27	0.08	7.00	Pass
			RB36#0	22.04	-1.4	-3.55	18.49	0.07	7.00	Pass
			RB36#19	21.97	-1.4	-3.55	18.42	0.07	7.00	Pass
			RB36#39	21.91	-1.4	-3.55	18.36	0.07	7.00	Pass
			RB75#0	21.96	-1.4	-3.55	18.41	0.07	7.00	Pass
		16-QAM	RB1#0	22.66	-1.4	-3.55	19.11	0.08	7.00	Pass
			RB1#38	22.49	-1.4	-3.55	18.94	0.08	7.00	Pass
			RB1#74	22.43	-1.4	-3.55	18.88	0.08	7.00	Pass
			RB36#0	21.05	-1.4	-3.55	17.50	0.06	7.00	Pass
			RB36#19	20.69	-1.4	-3.55	17.14	0.05	7.00	Pass
			RB36#39	20.84	-1.4	-3.55	17.29	0.05	7.00	Pass
			RB75#0	20.94	-1.4	-3.55	17.39	0.05	7.00	Pass

Test BW	Test Channel	Test Model	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	22.02	0.1	22.12	0.16	2.00	Pass
			RB1#13	22.12	0.1	22.22	0.17	2.00	Pass
			RB1#24	22.23	0.1	22.33	0.17	2.00	Pass
			RB12#0	21.16	0.1	21.26	0.13	2.00	Pass
			RB12#6	21.17	0.1	21.27	0.13	2.00	Pass
			RB12#13	21.25	0.1	21.35	0.14	2.00	Pass
			RB25#0	21.23	0.1	21.33	0.14	2.00	Pass
		16-QAM	RB1#0	21.58	0.1	21.68	0.15	2.00	Pass
			RB1#13	21.23	0.1	21.33	0.14	2.00	Pass
			RB1#24	21.43	0.1	21.53	0.14	2.00	Pass
			RB12#0	20.24	0.1	20.34	0.11	2.00	Pass
			RB12#6	20.3	0.1	20.40	0.11	2.00	Pass
			RB12#13	20.27	0.1	20.37	0.11	2.00	Pass
			RB25#0	20.18	0.1	20.28	0.11	2.00	Pass
	MCH	QPSK	RB1#0	23.01	0.1	23.11	0.20	2.00	Pass
			RB1#13	23.2	0.1	23.30	0.21	2.00	Pass
			RB1#24	23.15	0.1	23.25	0.21	2.00	Pass
			RB12#0	22.25	0.1	22.35	0.17	2.00	Pass
			RB12#6	22.31	0.1	22.41	0.17	2.00	Pass
			RB12#13	22.29	0.1	22.39	0.17	2.00	Pass
			RB25#0	22.32	0.1	22.42	0.17	2.00	Pass
		16-QAM	RB1#0	22.33	0.1	22.43	0.17	2.00	Pass
			RB1#13	22.07	0.1	22.17	0.16	2.00	Pass
			RB1#24	22.33	0.1	22.43	0.17	2.00	Pass
			RB12#0	21.2	0.1	21.30	0.13	2.00	Pass
			RB12#6	21.25	0.1	21.35	0.14	2.00	Pass
			RB12#13	21.25	0.1	21.35	0.14	2.00	Pass
			RB25#0	21.3	0.1	21.40	0.14	2.00	Pass
	HCH	QPSK	RB1#0	22.52	0.1	22.62	0.18	2.00	Pass
			RB1#13	22.38	0.1	22.48	0.18	2.00	Pass
			RB1#24	22.39	0.1	22.49	0.18	2.00	Pass
			RB12#0	21.33	0.1	21.43	0.14	2.00	Pass
			RB12#6	21.36	0.1	21.46	0.14	2.00	Pass
			RB12#13	21.36	0.1	21.46	0.14	2.00	Pass
			RB25#0	21.38	0.1	21.48	0.14	2.00	Pass
		16-QAM	RB1#0	21.2	0.1	21.30	0.13	2.00	Pass
			RB1#13	20.99	0.1	21.09	0.13	2.00	Pass
			RB1#24	20.99	0.1	21.09	0.13	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
			RB12#0	20.29	0.1	20.39	0.11	2.00	Pass
			RB12#6	20.12	0.1	20.22	0.11	2.00	Pass
			RB12#13	20.12	0.1	20.22	0.11	2.00	Pass
			RB25#0	20.33	0.1	20.43	0.11	2.00	Pass
10 MHz	LCH	QPSK	RB1#0	22.47	0.1	22.57	0.18	2.00	Pass
			RB1#25	22.53	0.1	22.63	0.18	2.00	Pass
			RB1#49	22.33	0.1	22.43	0.17	2.00	Pass
			RB25#0	21.23	0.1	21.33	0.14	2.00	Pass
			RB25#13	21.26	0.1	21.36	0.14	2.00	Pass
			RB25#25	21.24	0.1	21.34	0.14	2.00	Pass
			RB50#0	21.28	0.1	21.38	0.14	2.00	Pass
		16-QAM	RB1#0	22.14	0.1	22.24	0.17	2.00	Pass
			RB1#25	22	0.1	22.10	0.16	2.00	Pass
			RB1#49	22.15	0.1	22.25	0.17	2.00	Pass
			RB25#0	20.36	0.1	20.46	0.11	2.00	Pass
			RB25#13	20.27	0.1	20.37	0.11	2.00	Pass
			RB25#25	20.27	0.1	20.37	0.11	2.00	Pass
			RB50#0	20.23	0.1	20.33	0.11	2.00	Pass
	MCH	QPSK	RB1#0	23.8	0.1	23.90	0.25	2.00	Pass
			RB1#25	23.34	0.1	23.44	0.22	2.00	Pass
			RB1#49	23.41	0.1	23.51	0.22	2.00	Pass
			RB25#0	22.35	0.1	22.45	0.18	2.00	Pass
			RB25#13	22.3	0.1	22.40	0.17	2.00	Pass
			RB25#25	22.26	0.1	22.36	0.17	2.00	Pass
			RB50#0	22.31	0.1	22.41	0.17	2.00	Pass
		16-QAM	RB1#0	22.91	0.1	23.01	0.20	2.00	Pass
			RB1#25	22.71	0.1	22.81	0.19	2.00	Pass
			RB1#49	22.67	0.1	22.77	0.19	2.00	Pass
			RB25#0	21.24	0.1	21.34	0.14	2.00	Pass
			RB25#13	21.28	0.1	21.38	0.14	2.00	Pass
			RB25#25	21.08	0.1	21.18	0.13	2.00	Pass
			RB50#0	21.37	0.1	21.47	0.14	2.00	Pass
	HCH	QPSK	RB1#0	22.53	0.1	22.63	0.18	2.00	Pass
			RB1#25	22.41	0.1	22.51	0.18	2.00	Pass
			RB1#49	22.48	0.1	22.58	0.18	2.00	Pass
			RB25#0	21.47	0.1	21.57	0.14	2.00	Pass
			RB25#13	21.35	0.1	21.45	0.14	2.00	Pass
			RB25#25	21.29	0.1	21.39	0.14	2.00	Pass
			RB50#0	21.39	0.1	21.49	0.14	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
		16-QAM	RB1#0	22.79	0.1	22.89	0.19	2.00	Pass
			RB1#25	22.87	0.1	22.97	0.20	2.00	Pass
			RB1#49	22.59	0.1	22.69	0.19	2.00	Pass
			RB25#0	20.43	0.1	20.53	0.11	2.00	Pass
			RB25#13	20.32	0.1	20.42	0.11	2.00	Pass
			RB25#25	20.28	0.1	20.38	0.11	2.00	Pass
			RB50#0	20.48	0.1	20.58	0.11	2.00	Pass
15 MHz	LCH	QPSK	RB1#0	22.64	0.1	22.74	0.19	2.00	Pass
			RB1#38	22.41	0.1	22.51	0.18	2.00	Pass
			RB1#74	22.56	0.1	22.66	0.18	2.00	Pass
			RB36#0	21.56	0.1	21.66	0.15	2.00	Pass
			RB36#19	21.57	0.1	21.67	0.15	2.00	Pass
			RB36#39	21.6	0.1	21.70	0.15	2.00	Pass
			RB75#0	21.49	0.1	21.59	0.14	2.00	Pass
		16-QAM	RB1#0	22.42	0.1	22.52	0.18	2.00	Pass
			RB1#38	22.25	0.1	22.35	0.17	2.00	Pass
			RB1#74	22.24	0.1	22.34	0.17	2.00	Pass
			RB36#0	20.48	0.1	20.58	0.11	2.00	Pass
			RB36#19	20.38	0.1	20.48	0.11	2.00	Pass
			RB36#39	20.53	0.1	20.63	0.12	2.00	Pass
			RB75#0	20.53	0.1	20.63	0.12	2.00	Pass
	MCH	QPSK	RB1#0	23.86	0.1	23.96	0.25	2.00	Pass
			RB1#38	23.49	0.1	23.59	0.23	2.00	Pass
			RB1#74	23.66	0.1	23.76	0.24	2.00	Pass
			RB36#0	22.53	0.1	22.63	0.18	2.00	Pass
			RB36#19	22.32	0.1	22.42	0.17	2.00	Pass
			RB36#39	22.39	0.1	22.49	0.18	2.00	Pass
			RB75#0	22.35	0.1	22.45	0.18	2.00	Pass
		16-QAM	RB1#0	22.9	0.1	23.00	0.20	2.00	Pass
			RB1#38	22.64	0.1	22.74	0.19	2.00	Pass
			RB1#74	22.7	0.1	22.80	0.19	2.00	Pass
			RB36#0	21.56	0.1	21.66	0.15	2.00	Pass
			RB36#19	21.36	0.1	21.46	0.14	2.00	Pass
			RB36#39	21.45	0.1	21.55	0.14	2.00	Pass
			RB75#0	21.43	0.1	21.53	0.14	2.00	Pass
	HCH	QPSK	RB1#0	22.84	0.1	22.94	0.20	2.00	Pass
			RB1#38	22.22	0.1	22.32	0.17	2.00	Pass
			RB1#74	22.3	0.1	22.40	0.17	2.00	Pass
			RB36#0	21.52	0.1	21.62	0.15	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
			RB36#19	21.3	0.1	21.40	0.14	2.00	Pass
			RB36#39	21.32	0.1	21.42	0.14	2.00	Pass
			RB75#0	21.49	0.1	21.59	0.14	2.00	Pass
		16-QAM	RB1#0	21.87	0.1	21.97	0.16	2.00	Pass
			RB1#38	21.93	0.1	22.03	0.16	2.00	Pass
			RB1#74	22	0.1	22.10	0.16	2.00	Pass
			RB36#0	20.68	0.1	20.78	0.12	2.00	Pass
			RB36#19	20.37	0.1	20.47	0.11	2.00	Pass
			RB36#39	20.28	0.1	20.38	0.11	2.00	Pass
			RB75#0	20.54	0.1	20.64	0.12	2.00	Pass
20 MHz	LCH	QPSK	RB1#0	22.89	0.1	22.99	0.20	2.00	Pass
			RB1#50	22.95	0.1	23.05	0.20	2.00	Pass
			RB1#99	22.74	0.1	22.84	0.19	2.00	Pass
			RB50#0	21.77	0.1	21.87	0.15	2.00	Pass
			RB50#25	21.79	0.1	21.89	0.15	2.00	Pass
			RB50#50	21.71	0.1	21.81	0.15	2.00	Pass
			RB100#0	21.79	0.1	21.89	0.15	2.00	Pass
		16-QAM	RB1#0	22.21	0.1	22.31	0.17	2.00	Pass
			RB1#50	21.81	0.1	21.91	0.16	2.00	Pass
			RB1#99	21.82	0.1	21.92	0.16	2.00	Pass
			RB50#0	20.68	0.1	20.78	0.12	2.00	Pass
			RB50#25	20.89	0.1	20.99	0.13	2.00	Pass
			RB50#50	20.81	0.1	20.91	0.12	2.00	Pass
			RB100#0	20.81	0.1	20.91	0.12	2.00	Pass
	MCH	QPSK	RB1#0	23.63	0.1	23.73	0.24	2.00	Pass
			RB1#50	23.34	0.1	23.44	0.22	2.00	Pass
			RB1#99	23.43	0.1	23.53	0.23	2.00	Pass
			RB50#0	22.51	0.1	22.61	0.18	2.00	Pass
			RB50#25	22.3	0.1	22.40	0.17	2.00	Pass
			RB50#50	22.24	0.1	22.34	0.17	2.00	Pass
			RB100#0	22.42	0.1	22.52	0.18	2.00	Pass
		16-QAM	RB1#0	22.57	0.1	22.67	0.18	2.00	Pass
			RB1#50	22.17	0.1	22.27	0.17	2.00	Pass
			RB1#99	22.29	0.1	22.39	0.17	2.00	Pass
			RB50#0	21.57	0.1	21.67	0.15	2.00	Pass
			RB50#25	21.36	0.1	21.46	0.14	2.00	Pass
			RB50#50	21.38	0.1	21.48	0.14	2.00	Pass
			RB100#0	21.32	0.1	21.42	0.14	2.00	Pass
	HCH	QPSK	RB1#0	23.02	0.1	23.12	0.21	2.00	Pass

Test BW	Test Channel	Test Model	Test RB (Size#Offset)	Conducted Output AV Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
LTE BAND41									
			RB1#50	22.9	0.1	23.00	0.20	2.00	Pass
			RB1#99	22.91	0.1	23.01	0.20	2.00	Pass
			RB50#0	21.59	0.1	21.69	0.15	2.00	Pass
			RB50#25	21.37	0.1	21.47	0.14	2.00	Pass
			RB50#50	21.32	0.1	21.42	0.14	2.00	Pass
			RB100#0	21.45	0.1	21.55	0.14	2.00	Pass
		16-QAM	RB1#0	22.28	0.1	22.38	0.17	2.00	Pass
			RB1#50	22.25	0.1	22.35	0.17	2.00	Pass
			RB1#99	22.24	0.1	22.34	0.17	2.00	Pass
			RB50#0	20.67	0.1	20.77	0.12	2.00	Pass
			RB50#25	20.45	0.1	20.55	0.11	2.00	Pass
			RB50#50	20.31	0.1	20.41	0.11	2.00	Pass
			RB100#0	20.39	0.1	20.49	0.11	2.00	Pass

A.2 Peak to Average Ratio

Note 1: For average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

Note 2: Test plots please refer to the document “Annex No.:BL-EC1780083-501 Data Part 1.pdf”.

CDMA Test Data

Test Band	Test Channel	Peak to Average ratio (dBm)	Limit (dBm)	Verdict
CDMA BC1	LCH	4.14	13	Pass
	MCH	3.71	13	Pass
	HCH	3.83	13	Pass
EVDO BC1	LCH	4.49	13	Pass
	MCH	4.03	13	Pass
	HCH	4.12	13	Pass

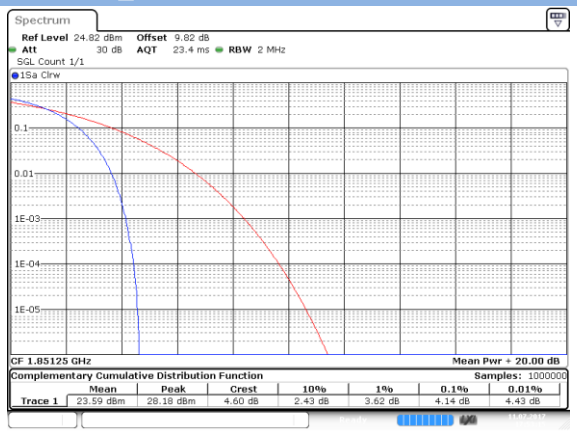
LTE Test Data

Test Band	Test Bandwidth	Test Channel	Test Model	Test RB (Size#Offset)	Peak to Average ratio (dBm)	Limit (dBm)	Refer to Plot[Note2]	Verdict
LTE Band 2	20 MHz	LCH	QPSK	RB1#0	4.41	13	1.1	Pass
				RB100#0	4.90	13	1.2	Pass
			16-QAM	RB1#0	5.33	13	1.3	Pass
				RB100#0	5.94	13	1.4	Pass
		MCH	QPSK	RB1#0	4.17	13	1.5	Pass
				RB100#0	4.70	13	1.6	Pass
			16-QAM	RB1#0	5.04	13	1.7	Pass
				RB100#0	5.65	13	1.8	Pass
		HCH	QPSK	RB1#0	3.86	13	1.9	Pass
				RB100#0	4.81	13	1.10	Pass
			16-QAM	RB1#0	4.87	13	1.11	Pass
				RB100#0	5.77	13	1.12	Pass
LTE Band 4	20 MHz	LCH	QPSK	RB1#0	3.88	13	2.1	Pass
				RB100#0	4.87	13	2.2	Pass
			16-QAM	RB1#0	4.64	13	2.3	Pass
				RB100#0	5.83	13	2.4	Pass
		MCH	QPSK	RB1#0	4.61	13	2.5	Pass
				RB100#0	5.04	13	2.6	Pass
			16-QAM	RB1#0	5.54	13	2.7	Pass
				RB100#0	6.00	13	2.8	Pass
		HCH	QPSK	RB1#0	4.38	13	2.9	Pass
				RB100#0	4.70	13	2.10	Pass
			16-QAM	RB1#0	5.33	13	2.11	Pass

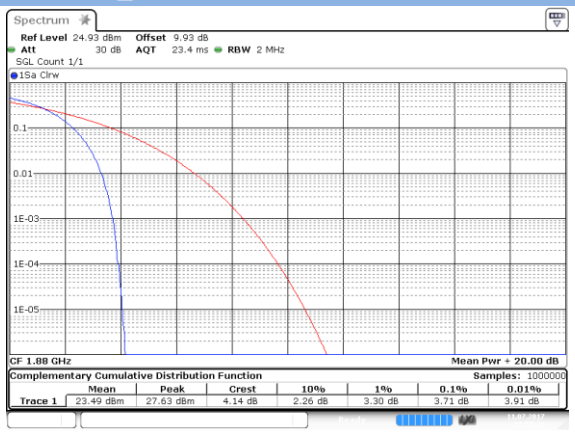
Test Band	Test Bandwidth	Test Channel	Test Model	Test RB (Size#Offset)	Peak to Average ratio (dBm)	Limit (dBm)	Refer to Plot[Note2]	Verdict
				RB100#0	5.71	13	2.12	Pass
LTE Band 5	10 MHz	LCH	QPSK	RB1#0	3.57	13	3.1	Pass
				RB50#0	4.75	13	3.2	Pass
			16-QAM	RB1#0	4.55	13	3.3	Pass
				RB50#0	5.71	13	3.4	Pass
		MCH	QPSK	RB1#0	4.26	13	3.5	Pass
				RB50#0	4.72	13	3.6	Pass
			16-QAM	RB1#0	4.84	13	3.7	Pass
				RB50#0	5.71	13	3.8	Pass
		HCH	QPSK	RB1#0	3.74	13	3.9	Pass
				RB50#0	4.58	13	3.10	Pass
			16-QAM	RB1#0	4.58	13	3.11	Pass
				RB50#0	5.62	13	3.12	Pass
LTE Band 12	10 MHz	LCH	QPSK	RB1#0	4.41	13	4.1	Pass
				RB50#0	4.81	13	4.2	Pass
			16-QAM	RB1#0	5.33	13	4.3	Pass
				RB50#0	5.77	13	4.4	Pass
		MCH	QPSK	RB1#0	4.41	13	4.5	Pass
				RB50#0	4.70	13	4.6	Pass
			16-QAM	RB1#0	5.33	13	4.7	Pass
				RB50#0	5.68	13	4.8	Pass
		HCH	QPSK	RB1#0	4.32	13	4.9	Pass
				RB50#0	4.58	13	4.10	Pass
			16-QAM	RB1#0	5.22	13	4.11	Pass
				RB50#0	5.59	13	4.12	Pass
LTE Band 13	10 MHz	LCH	QPSK	RB1#0	3.97	13	5.1	Pass
				RB50#0	4.75	13	5.2	Pass
			16-QAM	RB1#0	4.84	13	5.3	Pass
				RB50#0	5.77	13	5.4	Pass
LTE Band 25	20 MHz	LCH	QPSK	RB1#0	4.35	13	6.1	Pass
				RB100#0	4.87	13	6.2	Pass
			16-QAM	RB1#0	5.88	13	6.3	Pass
				RB100#0	5.91	13	6.4	Pass
		MCH	QPSK	RB1#0	4.06	13	6.5	Pass
				RB100#0	4.64	13	6.6	Pass
			16-QAM	RB1#0	5.01	13	6.7	Pass
				RB100#0	5.59	13	6.8	Pass
		HCH	QPSK	RB1#0	3.97	13	6.9	Pass
				RB100#0	4.81	13	6.10	Pass
			16-QAM	RB1#0	4.87	13	6.11	Pass

Test Band	Test Bandwidth	Test Channel	Test Model	Test RB (Size#Offset)	Peak to Average ratio (dBm)	Limit (dBm)	Refer to Plot[Note2]	Verdict
				RB100#0	5.80	13	6.12	Pass
LTE Band 26	15 MHz	LCH	QPSK	RB1#0	4.00	13	7.1	Pass
				RB75#0	4.78	13	7.2	Pass
			16-QAM	RB1#0	4.67	13	7.3	Pass
				RB75#0	5.57	13	7.4	Pass
		MCH	QPSK	RB1#0	3.65	13	7.5	Pass
				RB75#0	4.99	13	7.6	Pass
			16-QAM	RB1#0	4.46	13	7.7	Pass
				RB75#0	5.77	13	7.8	Pass
		HCH	QPSK	RB1#0	4.14	13	7.9	Pass
				RB75#0	4.99	13	7.10	Pass
			16-QAM	RB1#0	4.96	13	7.11	Pass
				RB75#0	5.80	13	7.12	Pass
LTE Band 41	20 MHz	LCH	QPSK	RB1#0	8.43	13	8.1	Pass
				RB100#0	8.70	13	8.2	Pass
			16-QAM	RB1#0	8.84	13	8.3	Pass
				RB100#0	9.59	13	8.4	Pass
		MCH	QPSK	RB1#0	7.91	13	8.5	Pass
				RB100#0	9.07	13	8.6	Pass
			16-QAM	RB1#0	9.07	13	8.7	Pass
				RB100#0	9.62	13	8.8	Pass
		HCH	QPSK	RB1#0	7.30	13	8.9	Pass
				RB100#0	8.43	13	8.10	Pass
			16-QAM	RB1#0	8.32	13	8.11	Pass
				RB100#0	9.74	13	8.12	Pass

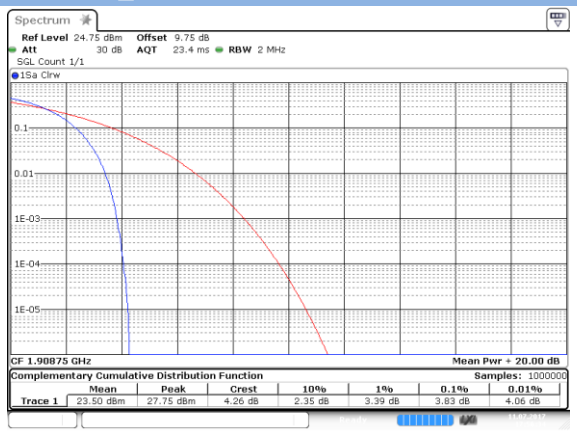
CDMA BC1_L



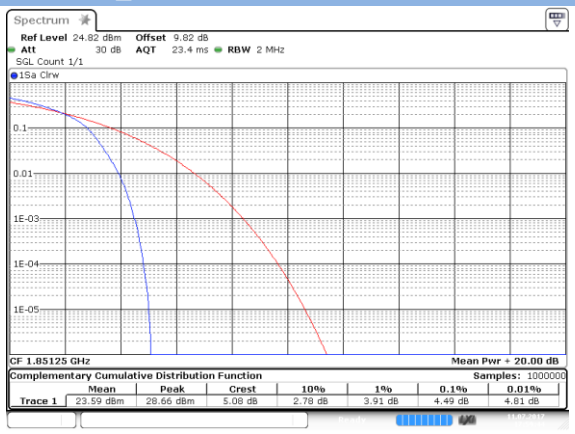
CDMA BC1_M



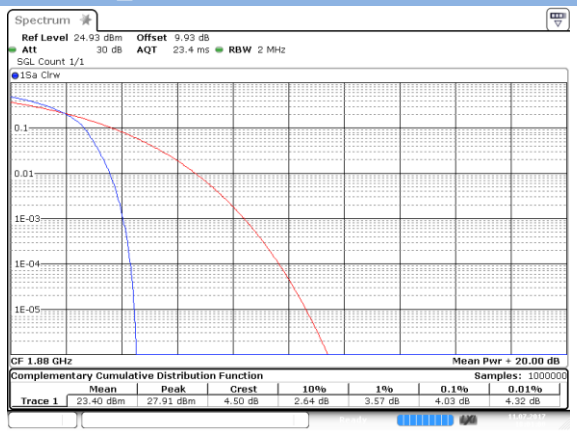
CDMA BC1_H



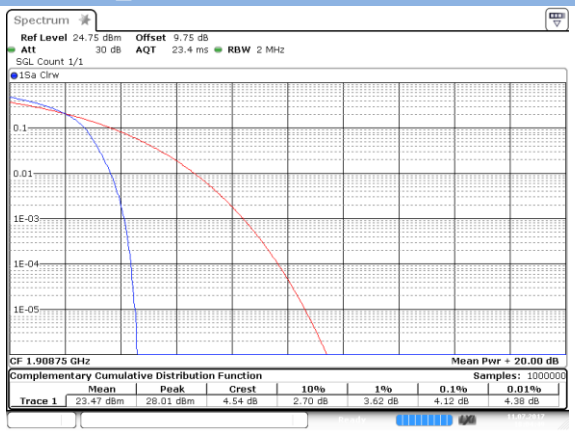
EVDO BC1_L



EVDO BC1_M



EVDO BC1_H



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-EC1780083-501 Data Part 2.pdf”.

CDMA and EVDO Mode Test Data

Test Band	Test Channel	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)
CDMA BC0	LCH	1.276449	1.447758
	MCH	1.271643	1.430029
	HCH	1.281817	1.448141
CDMA BC1	LCH	1.276739	1.43531
	MCH	1.279138	1.458042
	HCH	1.279477	1.44565
CDMA BC10	LCH	1.273688	1.424537
	MCH	1.275329	1.426388
	HCH	1.274165	1.43232
EVDO BC0	LCH	1.268387	1.420936
	MCH	1.268107	1.418173
	HCH	1.271225	1.421488
EVDO BC1	LCH	1.271243	1.424807
	MCH	1.274387	1.43251
	HCH	1.270988	1.425805
EVDO BC10	LCH	1.269258	1.420285
	MCH	1.268471	1.42395
	HCH	1.269349	1.42517

LTE Mode Test Data

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 2	1.4 MHz	LCH	QPSK	RB6#0	1.08	1.26	1.1
			16-QAM	RB6#0	1.08	1.27	1.2
		MCH	QPSK	RB6#0	1.07	1.26	1.3
			16-QAM	RB6#0	1.07	1.29	1.4
		HCH	QPSK	RB6#0	1.08	1.27	1.5
			16-QAM	RB6#0	1.08	1.25	1.6
	3 MHz	LCH	QPSK	RB15#0	2.68	2.94	1.7
			16-QAM	RB15#0	2.68	2.93	1.8
		MCH	QPSK	RB15#0	2.68	2.91	1.9
			16-QAM	RB15#0	2.68	2.93	1.10
		HCH	QPSK	RB15#0	2.68	2.94	1.11
			16-QAM	RB15#0	2.68	2.94	1.12
	5 MHz	LCH	QPSK	RB25#0	4.47	4.94	1.13
			16-QAM	RB25#0	4.47	4.85	1.14
		MCH	QPSK	RB25#0	4.47	4.95	1.15
			16-QAM	RB25#0	4.47	4.91	1.16
		HCH	QPSK	RB25#0	4.46	4.91	1.17
			16-QAM	RB25#0	4.47	4.92	1.18
	10 MHz	LCH	QPSK	RB50#0	8.92	9.71	1.19
			16-QAM	RB50#0	8.91	9.6	1.20
		MCH	QPSK	RB50#0	8.92	9.62	1.21
			16-QAM	RB50#0	8.91	9.62	1.22
		HCH	QPSK	RB50#0	8.92	9.69	1.23
			16-QAM	RB50#0	8.92	9.58	1.24
	15 MHz	LCH	QPSK	RB75#0	13.38	14.47	1.25
			16-QAM	RB75#0	13.37	14.36	1.26
		MCH	QPSK	RB75#0	13.38	14.49	1.27
			16-QAM	RB75#0	13.38	14.46	1.28
		HCH	QPSK	RB75#0	13.39	14.56	1.29
			16-QAM	RB75#0	13.39	14.45	1.30
	20 MHz	LCH	QPSK	RB100#0	17.81	19.04	1.31
			16-QAM	RB100#0	17.82	19.1	1.32
		MCH	QPSK	RB100#0	17.82	19.19	1.33
			16-QAM	RB100#0	17.84	19.2	1.34
		HCH	QPSK	RB100#0	17.85	19.3	1.35
			16-QAM	RB100#0	17.85	19.1	1.36

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 4	1.4 MHz	LCH	QPSK	RB6#0	1.07	1.23	2.1
			16-QAM	RB6#0	1.08	1.25	2.2
		MCH	QPSK	RB6#0	1.08	1.27	2.3
			16-QAM	RB6#0	1.07	1.22	2.4
		HCH	QPSK	RB6#0	1.08	1.24	2.5
			16-QAM	RB6#0	1.08	1.25	2.6
	3 MHz	LCH	QPSK	RB15#0	2.68	2.93	2.7
			16-QAM	RB15#0	2.68	2.93	2.8
		MCH	QPSK	RB15#0	2.68	2.9	2.9
			16-QAM	RB15#0	2.68	2.94	2.10
		HCH	QPSK	RB15#0	2.68	2.95	2.11
			16-QAM	RB15#0	2.68	2.91	2.12
	5 MHz	LCH	QPSK	RB25#0	4.47	4.88	2.13
			16-QAM	RB25#0	4.47	4.86	2.14
		MCH	QPSK	RB25#0	4.47	4.92	2.15
			16-QAM	RB25#0	4.47	4.92	2.16
		HCH	QPSK	RB25#0	4.46	4.91	2.17
			16-QAM	RB25#0	4.47	4.95	2.18
	10 MHz	LCH	QPSK	RB50#0	8.93	9.73	2.19
			16-QAM	RB50#0	8.91	9.66	2.20
		MCH	QPSK	RB50#0	8.92	9.63	2.21
			16-QAM	RB50#0	8.91	9.68	2.22
		HCH	QPSK	RB50#0	8.93	9.72	2.23
			16-QAM	RB50#0	8.93	9.69	2.24
	15 MHz	LCH	QPSK	RB75#0	13.39	14.49	2.25
			16-QAM	RB75#0	13.39	14.4	2.26
		MCH	QPSK	RB75#0	13.38	14.48	2.27
			16-QAM	RB75#0	13.4	14.44	2.28
		HCH	QPSK	RB75#0	13.4	14.44	2.29
			16-QAM	RB75#0	13.4	14.42	2.30
	20 MHz	LCH	QPSK	RB100#0	17.84	19.05	2.31
			16-QAM	RB100#0	17.84	19.15	2.32
		MCH	QPSK	RB100#0	17.82	19.15	2.33
			16-QAM	RB100#0	17.85	19.26	2.34
		HCH	QPSK	RB100#0	17.83	19.2	2.35
			16-QAM	RB100#0	17.81	19.08	2.36

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 5	1.4 MHz	LCH	QPSK	RB6#0	1.07	1.23	3.1
			16-QAM	RB6#0	1.08	1.24	3.2
		MCH	QPSK	RB6#0	1.08	1.26	3.3
			16-QAM	RB6#0	1.07	1.22	3.4
		HCH	QPSK	RB6#0	1.08	1.24	3.5
			16-QAM	RB6#0	1.07	1.23	3.6
	3 MHz	LCH	QPSK	RB15#0	2.68	2.91	3.7
			16-QAM	RB15#0	2.68	2.93	3.8
		MCH	QPSK	RB15#0	2.68	2.91	3.9
			16-QAM	RB15#0	2.68	2.93	3.10
		HCH	QPSK	RB15#0	2.68	2.92	3.11
			16-QAM	RB15#0	2.68	2.93	3.12
	5 MHz	LCH	QPSK	RB25#0	4.48	4.9	3.13
			16-QAM	RB25#0	4.47	4.86	3.14
		MCH	QPSK	RB25#0	4.47	4.91	3.15
			16-QAM	RB25#0	4.48	4.92	3.16
		HCH	QPSK	RB25#0	4.46	4.89	3.17
			16-QAM	RB25#0	4.47	4.94	3.18
	10 MHz	LCH	QPSK	RB50#0	8.95	9.77	3.19
			16-QAM	RB50#0	8.93	9.67	3.20
		MCH	QPSK	RB50#0	8.92	9.7	3.21
			16-QAM	RB50#0	8.92	9.65	3.22
		HCH	QPSK	RB50#0	8.92	9.62	3.23
			16-QAM	RB50#0	8.92	9.69	3.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 12	1.4 MHz	LCH	QPSK	RB6#0	1.07	1.22	4.1
			16-QAM	RB6#0	1.08	1.25	4.2
		MCH	QPSK	RB6#0	1.07	1.24	4.3
			16-QAM	RB6#0	1.07	1.22	4.4
		HCH	QPSK	RB6#0	1.07	1.24	4.5
			16-QAM	RB6#0	1.08	1.22	4.6
	3 MHz	LCH	QPSK	RB15#0	2.68	2.89	4.7
			16-QAM	RB15#0	2.68	2.91	4.8
		MCH	QPSK	RB15#0	2.68	2.92	4.9
			16-QAM	RB15#0	2.68	2.94	4.10
		HCH	QPSK	RB15#0	2.68	2.94	4.11
			16-QAM	RB15#0	2.68	2.92	4.12
	5 MHz	LCH	QPSK	RB25#0	4.47	4.92	4.13
			16-QAM	RB25#0	4.47	4.9	4.14
		MCH	QPSK	RB25#0	4.47	4.91	4.15
			16-QAM	RB25#0	4.47	4.9	4.16
		HCH	QPSK	RB25#0	4.46	4.89	4.17
			16-QAM	RB25#0	4.46	4.93	4.18
	10 MHz	LCH	QPSK	RB50#0	8.93	9.71	4.19
			16-QAM	RB50#0	8.92	9.56	4.20
		MCH	QPSK	RB50#0	8.92	9.71	4.21
			16-QAM	RB50#0	8.92	9.63	4.22
		HCH	QPSK	RB50#0	8.92	9.66	4.23
			16-QAM	RB50#0	8.92	9.63	4.24

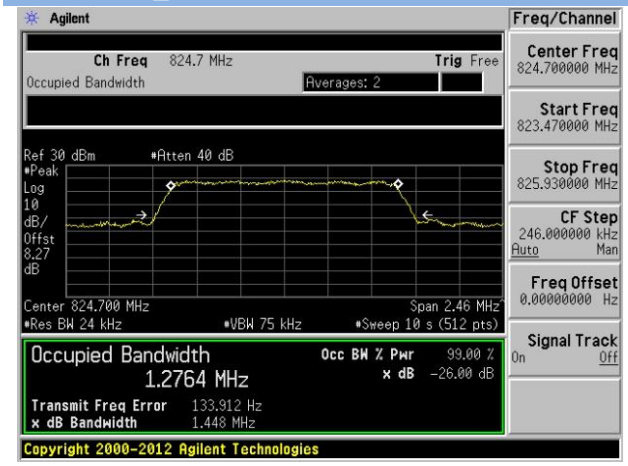
Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 13	5 MHz	LCH	QPSK	RB25#0	4.47	4.91	5.1
			16-QAM	RB25#0	4.47	4.85	5.2
		MCH	QPSK	RB25#0	4.47	4.91	5.3
			16-QAM	RB25#0	4.47	4.91	5.4
		HCH	QPSK	RB25#0	4.46	4.92	5.5
			16-QAM	RB25#0	4.46	4.94	5.6
	10 MHz	LCH	QPSK	RB50#0	8.92	9.66	5.7
			16-QAM	RB50#0	8.93	9.61	5.8

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 25	1.4 MHz	LCH	QPSK	RB6#0	1.08	1.26	6.1
			16-QAM	RB6#0	1.08	1.27	6.2
		MCH	QPSK	RB6#0	1.08	1.26	6.3
			16-QAM	RB6#0	1.07	1.27	6.4
		HCH	QPSK	RB6#0	1.08	1.27	6.5
			16-QAM	RB6#0	1.08	1.25	6.6
	3 MHz	LCH	QPSK	RB15#0	2.68	2.94	6.7
			16-QAM	RB15#0	2.68	2.93	6.8
		MCH	QPSK	RB15#0	2.68	2.92	6.9
			16-QAM	RB15#0	2.68	2.93	6.10
		HCH	QPSK	RB15#0	2.68	2.94	6.11
			16-QAM	RB15#0	2.68	2.93	6.12
	5 MHz	LCH	QPSK	RB25#0	4.47	4.9	6.13
			16-QAM	RB25#0	4.47	4.85	6.14
		MCH	QPSK	RB25#0	4.47	4.94	6.15
			16-QAM	RB25#0	4.47	4.91	6.16
		HCH	QPSK	RB25#0	4.46	4.89	6.17
			16-QAM	RB25#0	4.47	4.94	6.18
	10 MHz	LCH	QPSK	RB50#0	8.92	9.69	6.19
			16-QAM	RB50#0	8.92	9.61	6.20
		MCH	QPSK	RB50#0	8.93	9.72	6.21
			16-QAM	RB50#0	8.93	9.63	6.22
		HCH	QPSK	RB50#0	8.91	9.68	6.23
			16-QAM	RB50#0	8.9	9.63	6.24
	15 MHz	LCH	QPSK	RB75#0	13.39	14.49	6.25
			16-QAM	RB75#0	13.37	14.31	6.26
		MCH	QPSK	RB75#0	13.37	14.49	6.27
			16-QAM	RB75#0	13.4	14.49	6.28
		HCH	QPSK	RB75#0	13.37	14.41	6.29
			16-QAM	RB75#0	13.38	14.43	6.30
	20 MHz	LCH	QPSK	RB100#0	17.81	19.02	6.31
			16-QAM	RB100#0	17.82	19.06	6.32
		MCH	QPSK	RB100#0	17.83	19.15	6.33
			16-QAM	RB100#0	17.83	19.3	6.34
		HCH	QPSK	RB100#0	17.81	19.26	6.35
			16-QAM	RB100#0	17.8	18.98	6.36

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 26	1.4 MHz	LCH	QPSK	RB6#0	1.08	1.26	7.1
			16-QAM	RB6#0	1.08	1.25	7.2
		MCH	QPSK	RB6#0	1.08	1.26	7.3
			16-QAM	RB6#0	1.07	1.22	7.4
		HCH	QPSK	RB6#0	1.07	1.22	7.5
			16-QAM	RB6#0	1.08	1.23	7.6
	3 MHz	LCH	QPSK	RB15#0	2.68	2.92	7.7
			16-QAM	RB15#0	2.68	2.92	7.8
		MCH	QPSK	RB15#0	2.68	2.92	7.9
			16-QAM	RB15#0	2.68	2.92	7.10
		HCH	QPSK	RB15#0	2.68	2.93	7.11
			16-QAM	RB15#0	2.68	2.92	7.12
	5 MHz	LCH	QPSK	RB25#0	4.47	4.9	7.13
			16-QAM	RB25#0	4.47	4.86	7.14
		MCH	QPSK	RB25#0	4.47	4.91	7.15
			16-QAM	RB25#0	4.48	4.91	7.16
		HCH	QPSK	RB25#0	4.46	4.87	7.17
			16-QAM	RB25#0	4.47	4.94	7.18
	10 MHz	LCH	QPSK	RB50#0	8.92	9.68	7.19
			16-QAM	RB50#0	8.91	9.63	7.20
		MCH	QPSK	RB50#0	8.93	9.62	7.21
			16-QAM	RB50#0	8.92	9.72	7.22
		HCH	QPSK	RB50#0	8.92	9.65	7.23
			16-QAM	RB50#0	8.92	9.74	7.24
	15 MHz	LCH	QPSK	RB75#0	13.39	14.53	7.25
			16-QAM	RB75#0	13.38	14.45	7.26
		MCH	QPSK	RB75#0	13.41	14.71	7.27
			16-QAM	RB75#0	13.4	14.48	7.28
		HCH	QPSK	RB75#0	13.38	14.43	7.29
			16-QAM	RB75#0	13.37	14.36	7.30

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 41	5 MHz	LCH	QPSK	RB25#0	4.47	4.94	8.1
			16-QAM	RB25#0	4.47	4.89	8.2
		MCH	QPSK	RB25#0	4.48	4.87	8.3
			16-QAM	RB25#0	4.47	4.89	8.4
		HCH	QPSK	RB25#0	4.47	4.88	8.5
			16-QAM	RB25#0	4.47	4.91	8.6
	10 MHz	LCH	QPSK	RB50#0	8.92	9.7	8.7
			16-QAM	RB50#0	8.92	9.55	8.8
		MCH	QPSK	RB50#0	8.93	9.79	8.9
			16-QAM	RB50#0	8.91	9.59	8.10
		HCH	QPSK	RB50#0	8.92	9.65	8.11
			16-QAM	RB50#0	8.91	9.7	8.12
	15 MHz	LCH	QPSK	RB75#0	13.41	15.16	8.13
			16-QAM	RB75#0	13.38	14.48	8.14
		MCH	QPSK	RB75#0	13.39	14.53	8.15
			16-QAM	RB75#0	13.43	14.69	8.16
		HCH	QPSK	RB75#0	13.38	14.85	8.17
			16-QAM	RB75#0	13.41	14.52	8.18
	20 MHz	LCH	QPSK	RB100#0	17.84	18.95	8.19
			16-QAM	RB100#0	17.83	19.21	8.20
		MCH	QPSK	RB100#0	17.83	19.35	8.21
			16-QAM	RB100#0	17.87	19.65	8.22
		HCH	QPSK	RB100#0	17.8	19.17	8.23
			16-QAM	RB100#0	17.79	19.09	8.24

CDMA BC0_L



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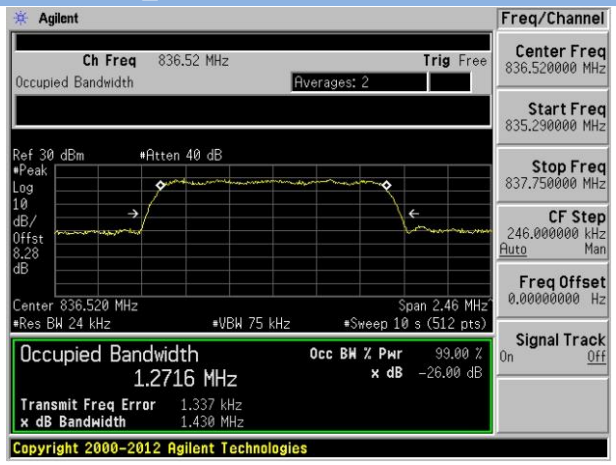

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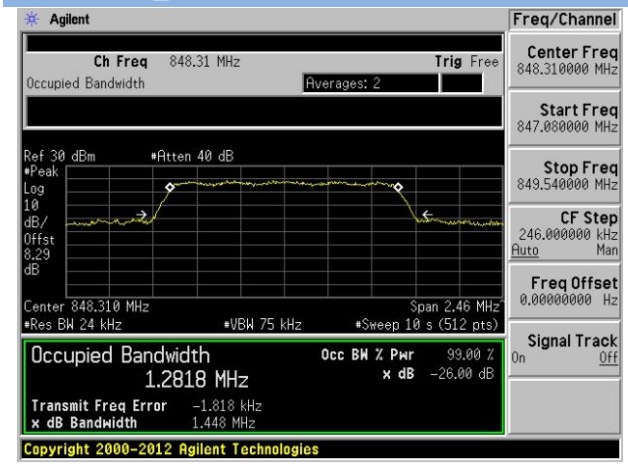

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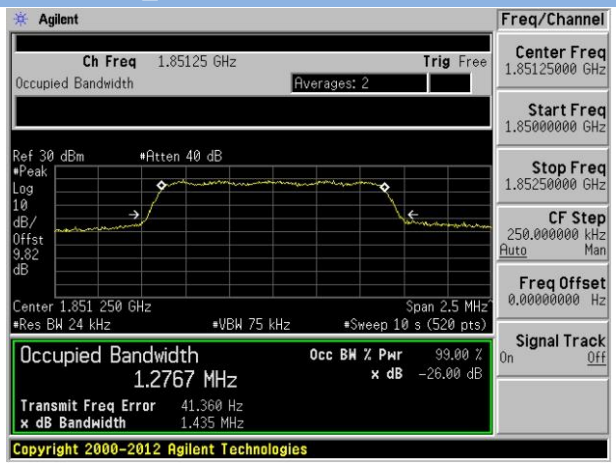

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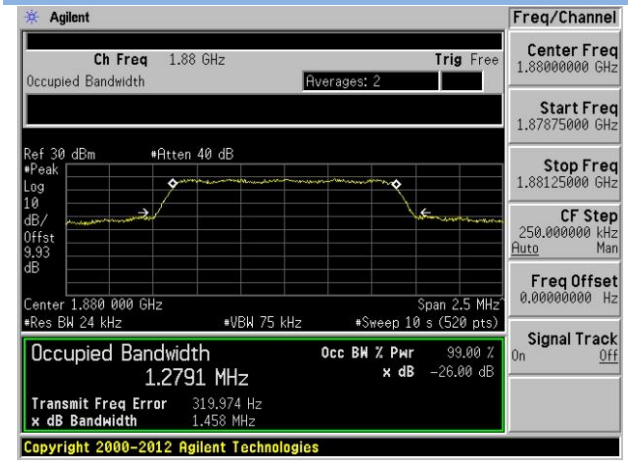

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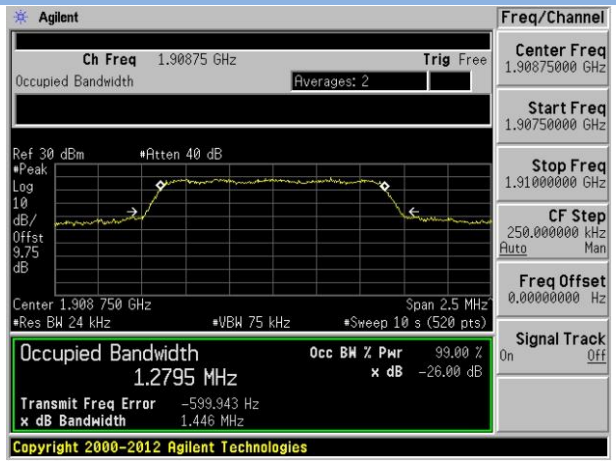

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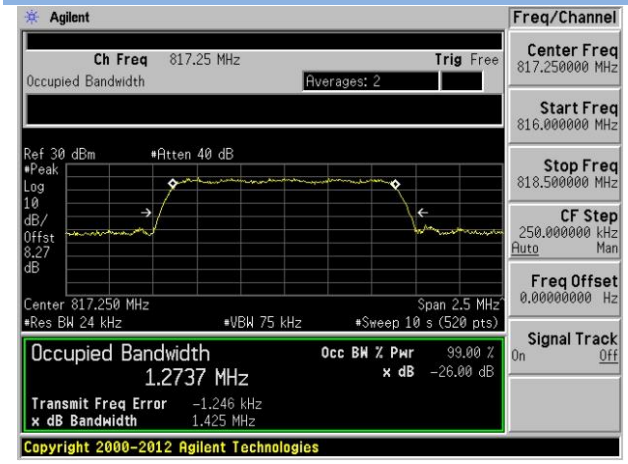

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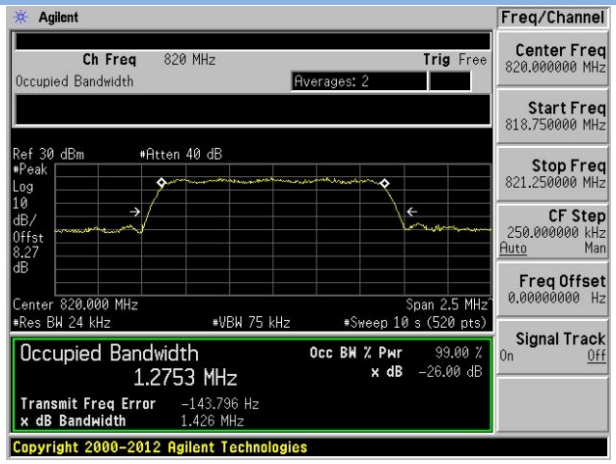

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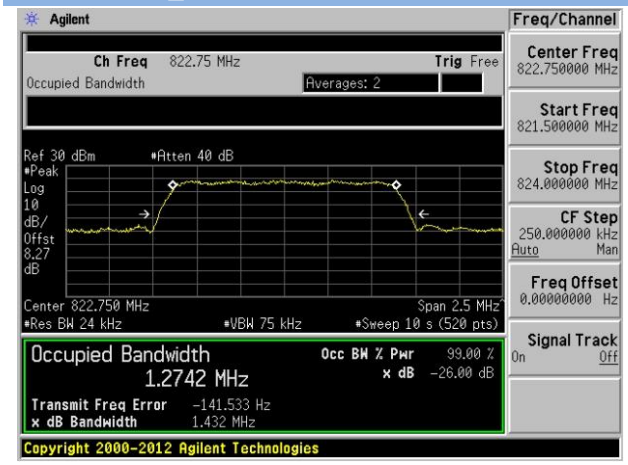
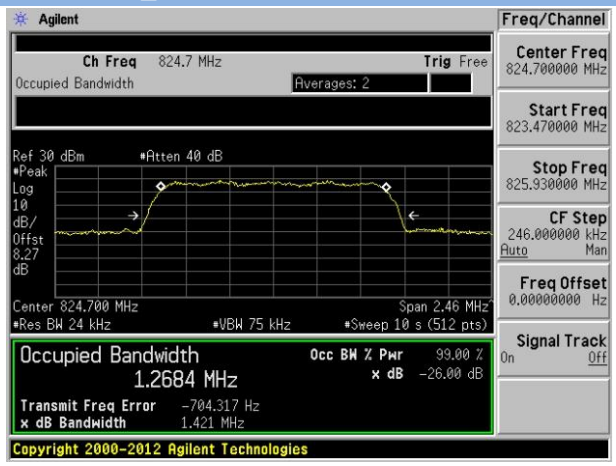


EVDO BC0_L



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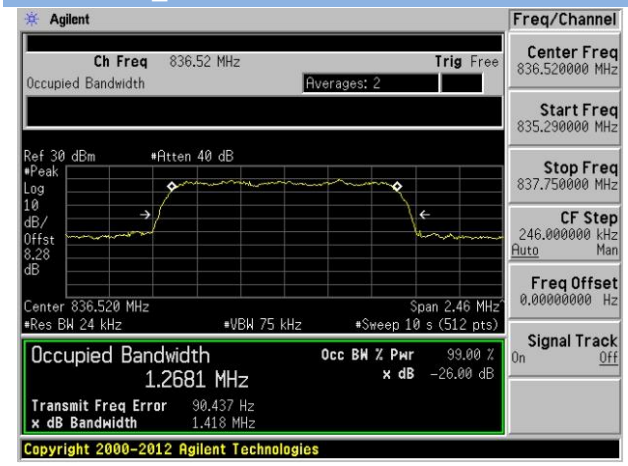

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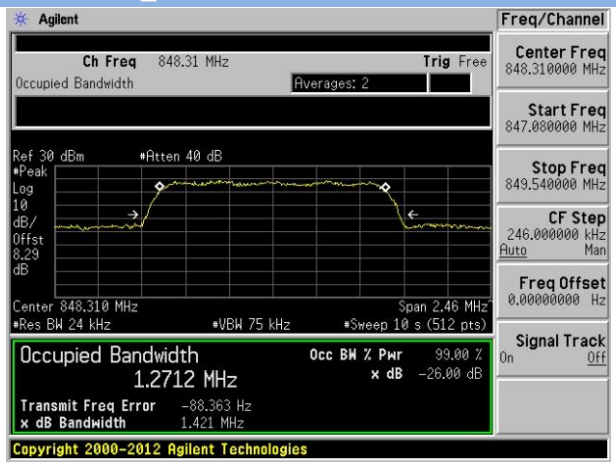

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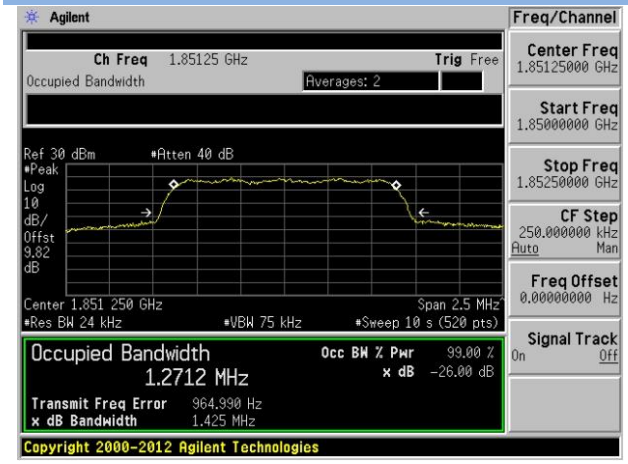
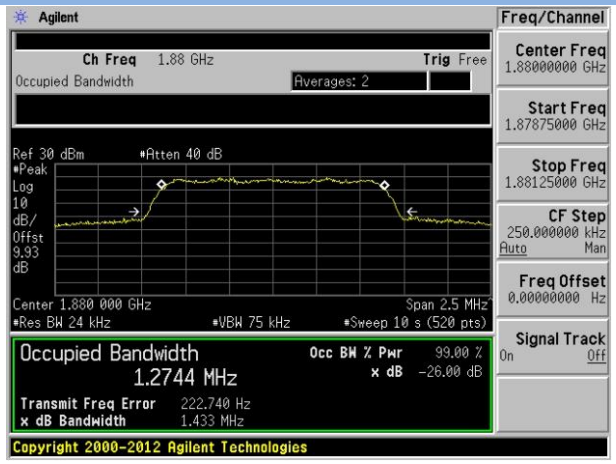


EVDO BC1_M



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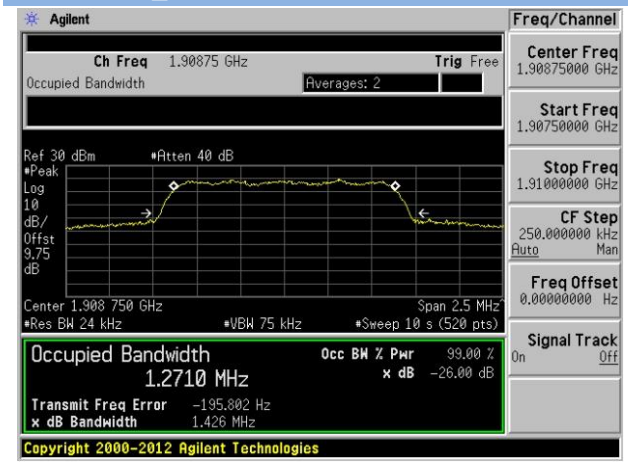

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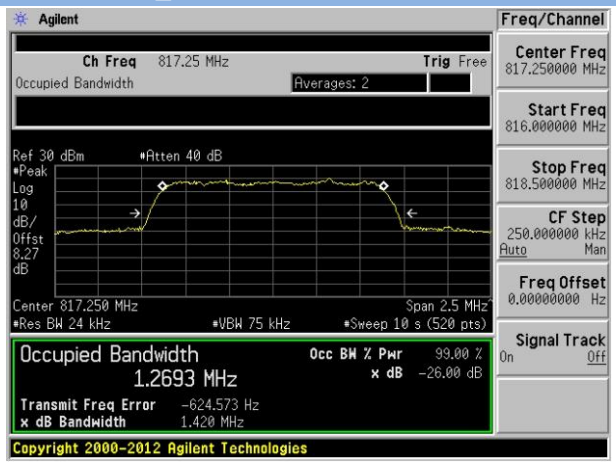

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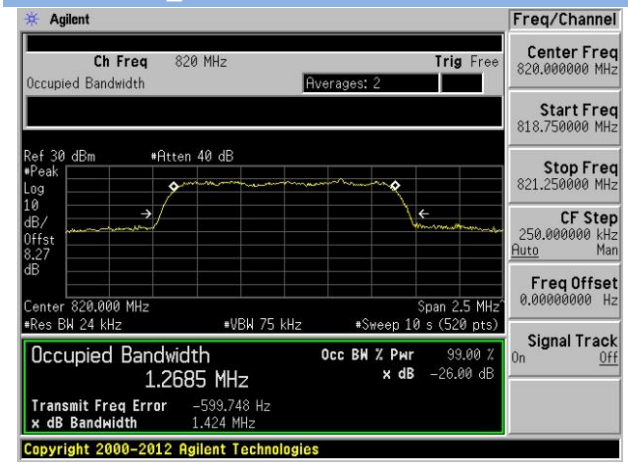

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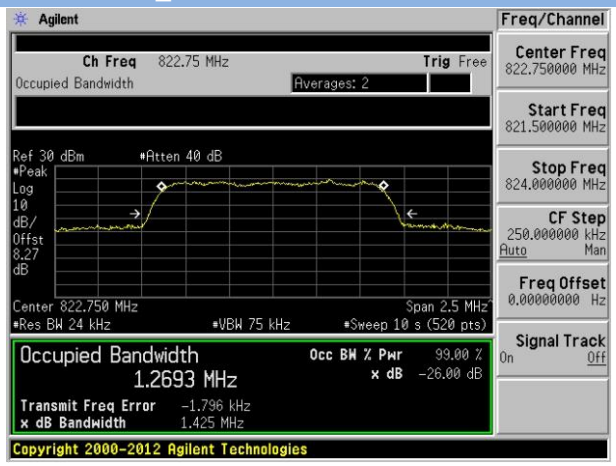

A.4 Frequency Stability

CDMA BC0

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.70 MHz		MCH 836.52 MHz		HCH 848.31 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	-1.09	±2061.75	2.42	±2091.3	-1.25	±2120.775	Pass
	-10	0.07		2.78		-0.73		
	0	-2.2		-0.22		0.15		
	10	1.17		-2.28		-0.51		
	20	-1.1		1.18		1.98		
	25	0.73		0.88		-2.05		
	30	0.44		3.66		1.25		
	40	-1.46		0.51		-1.32		
	50	-1.98		1.39		1.46		
	55	-0.59		2.49		-1.83		
3.4	25	2.12		2.71		0.37		
4.5	25	2.05		1.32		0.15		

CDMA BC1

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1851.25 MHz		MCH 1880.00 MHz		HCH 1908.75 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	-5.71	±4628.125	3.96	±4700	-2.34	±4771.875	Pass
	-10	-4.91		2.27		0.66		
	0	-1.03		5.49		-2.49		
	10	0.73		4.76		3.66		
	20	-4.83		2.27		5.13		
	25	-0.07		-1.68		4.98		
	30	-2.64		2.12		3		
	40	-5.79		2.2		0.15		
	50	-2.48		-3.44		-1.9		
	55	2.05		4.47		3.59		
3.4	25	3.88		5.42		1.76		
4.5	25	0.44		-3.15		8.06		

CDMA BC10

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 817.25 MHz		MCH 820.00 MHz		HCH 822.75 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	1.32	±2043.125	-0.29	±2050	1.1	±2056.875	Pass
	-10	1.25		-2.42		-0.59		
	0	0.59		-0.37		0.15		
	10	0.37		-1.98		-1.54		
	20	2.27		1.76		1.98		
	25	1.1		-2.64		0.08		
	30	1.83		0.37		1.28		
	40	2.12		-1.68		3.32		
	50	1.63		0.37		1.14		
	55	0.96		2.64		1.98		
3.4	25	-0.44		0.66		-1.15		
4.5	25	-0.59		1.54		2.42		

EVDO BC0

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.70 MHz		MCH 836.52 MHz		HCH 848.31 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	-4.39	±2061.75	-1.03	±2091.3	2.34	±2120.775	Pass
	-10	-1.03		0.59		-0.95		
	0	1.68		-1.1		-2.64		
	10	-1.98		0.07		-0.88		
	20	-3.44		-0.44		-2.05		
	25	0.81		0.81		-1.61		
	30	3.37		-1.25		-4.32		
	40	-0.37		1.68		-2.86		
	50	-0.66		-1.83		-3.3		
	55	-2.2		-1.54		-2.34		
3.4	25	1.46		-0.22		-3.08		
4.5	25	0.59		4.39		-1.32		

EVDO BC1

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1851.25 MHz		MCH 1880.00 MHz		HCH 1908.75 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	2.64	±4628.125	-0.37	±4700	-0.15	±4771.875	Pass
	-10	-2.42		-1.61		0.66		
	0	0.95		-2.78		1.25		
	10	4.67		2.34		-2.71		
	20	2.49		0.44		-0.22		
	25	1.17		-0.51		-3		
	30	-2.49		-3.08		-4.47		
	40	-2.27		-1.98		0.59		
	50	-4.1		-1.83		-4.03		
	55	1.03		2.64		-2.42		
3.4	25	-0.15		-4.47		-1.76		
4.5	25	-0.73		1.98		-4.54		

EVDO BC10

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 817.25 MHz		MCH 820.00 MHz		HCH 822.75 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	-2.27	±2043.125	-1.03	±2050	0.22	±2056.875	Pass
	-10	-2.48		-1.17		-1.76		
	0	3.59		0.37		-0.29		
	10	-0.96		2.27		-1.68		
	20	-0.07		-1.18		1.54		
	25	3.59		0.95		0.37		
	30	-0.84		-1.1		-0.59		
	40	2.05		0.81		-3.3		
	50	-1.25		0.29		-1.98		
	55	1.54		1.25		0.44		
3.4	25	-1.46		0.51		-0.07		
4.5	25	0.95		0.44		0.15		

LTE Band 2 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-4.39	±4700	Pass
	-10	-3.62		
	0	-3.36		
	10	-3.69		
	20	-4.49		
	25	-4.69		
	30	-4.12		
	40	-3.63		
	50	-3.42		
	55	-2.56		
3.4	25	-3.09		
4.5	25	-3.95		

LTE Band 2 16-QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-4.72	±4700	Pass
	-10	-3.33		
	0	-3.36		
	10	-4.13		
	20	-3.63		
	25	-3.95		
	30	-3.66		
	40	-3.43		
	50	-2.68		
	55	-3.66		
3.4	25	-4.15		
4.5	25	-3.76		

LTE Band 4 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-0.03	±4331.25	Pass
	-10	-3.36		
	0	-0.23		
	10	-0.03		
	20	-0.83		
	25	-0.1		
	30	0.39		
	40	0.67		
	50	0.59		
	55	-0.72		
3.4	25	1.53		
4.5	25	-0.33		

LTE Band 4 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-0.47	±4331.25	Pass
	-10	-3.53		
	0	1.09		
	10	0.24		
	20	-1.22		
	25	-0.33		
	30	-0.6		
	40	-0.93		
	50	0.29		
	55	-0.4		
3.4	25	0.04		
4.5	25	0.6		

LTE Band 5 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.47	±2086.25	Pass
	-10	-1.02		
	0	-1.13		
	10	-0.74		
	20	-0.77		
	25	-0.36		
	30	-0.34		
	40	-1.72		
	50	-0.01		
	55	-1.83		
3.4	25	-1.82		
4.5	25	-0.39		

LTE Band 5 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.42	±2086.25	Pass
	-10	-1.29		
	0	-1.04		
	10	-0.7		
	20	-1.82		
	25	-0.5		
	30	-1.56		
	40	-0.77		
	50	-0.83		
	55	-0.36		
3.4	25	-1.95		
4.5	25	-0.47		

LTE Band 12 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.12	±1768.75	Pass
	-10	-1.79		
	0	-0.33		
	10	-1.42		
	20	-1.49		
	25	-0.76		
	30	-0.31		
	40	-0.39		
	50	-1.97		
	55	-0.56		
3.4	25	0.63		
4.5	25	-0.77		

LTE Band 12 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.59	±1768.75	Pass
	-10	-1.06		
	0	-1.07		
	10	-1.32		
	20	-1.19		
	25	-0.13		
	30	-1.56		
	40	-1.37		
	50	-1.86		
	55	-1.12		
3.4	25	-0.49		
4.5	25	-1.3		

LTE Band 13 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.8	±1955	Pass
	-10	-1.86		
	0	-0.74		
	10	-2.36		
	20	-2.89		
	25	-1.33		
	30	-1.22		
	40	-2.1		
	50	-2.16		
	55	-2		
3.4	25	-2.78		
4.5	25	-1.95		

LTE Band 13 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.65	±1955	Pass
	-10	-1.8		
	0	-1.83		
	10	-1.82		
	20	-2.8		
	25	-1.93		
	30	-2.5		
	40	-0.39		
	50	-1.67		
	55	-2.27		
3.4	25	-2.92		
4.5	25	-1.9		

LTE Band 25 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1882.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	0.03	±4706.25	Pass
	-10	0.1		
	0	0.51		
	10	0.99		
	20	0.62		
	25	1.36		
	30	1.09		
	40	1.66		
	50	-0.84		
	55	0.9		
3.4	25	1.06		
4.5	25	-0.6		

LTE Band 25 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1882.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	0.47	±4706.25	Pass
	-10	0.07		
	0	0.73		
	10	0.47		
	20	0.64		
	25	0.41		
	30	0.24		
	40	0.86		
	50	1.27		
	55	-0.51		
3.4	25	0.69		
4.5	25	0.99		

LTE Band 26 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 831.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.8	±2078.75	Pass
	-10	-0.3		
	0	-1.19		
	10	-0.54		
	20	-1.52		
	25	-1.47		
	30	0.2		
	40	-0.33		
	50	0.72		
	55	-1.16		
3.4	25	-1.13		
4.5	25	0.72		

LTE Band 26 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 831.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-2.26	±2078.75	Pass
	-10	-1.12		
	0	-0.76		
	10	-0.27		
	20	-0.4		
	25	-0.57		
	30	-1.76		
	40	0.04		
	50	-0.4		
	55	-1.56		
3.4	25	-1.12		
4.5	25	-0.89		

LTE Band 41 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2593 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-3.45	±6482.5	Pass
	-10	1.24		
	0	-0.89		
	10	0.53		
	20	0.39		
	25	-0.46		
	30	1.53		
	40	-0.16		
	50	0.79		
	55	1.03		
3.4	25	0.13		
4.5	25	-2.07		

LTE Band 41 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2593 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.09	±6482.5	Pass
	-10	-0.33		
	0	-2.35		
	10	-0.17		
	20	1.76		
	25	-0.6		
	30	-0.03		
	40	1.49		
	50	-1.23		
	55	-2.65		
3.4	25	0.82		
4.5	25	-0.37		

A.5 Spurious Emission at Antenna Terminals

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

Note 2: Test plots please refer to the document “Annex No.:BL-EC1780083-501 Data Part 3.pdf”.

CDMA and EVDO Mode Test Verdict

Test Band	Test Channel	Refer to Plot[Note3]	Verdict
CDMA BC0	LCH	9.1	Pass
	MCH	9.2	Pass
	HCH	9.3	Pass
CDMA BC1	LCH	9.4	Pass
	MCH	9.5	Pass
	HCH	9.6	Pass
CDMA BC10	LCH	9.7	Pass
	MCH	9.8	Pass
	HCH	9.9	Pass
EVDO BC0	LCH	10.1	Pass
	MCH	10.2	Pass
	HCH	10.3	Pass
EVDO BC1	LCH	10.4	Pass
	MCH	10.5	Pass
	HCH	10.6	Pass
EVDO BC10	LCH	10.7	Pass
	MCH	10.8	Pass
	HCH	10.9	Pass

LTE Mode Test Verdict

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

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note2]	Verdict
Band 4	1.4 MHz	LCH	QPSK	RB1#0	2.1	Pass
			16-QAM	RB1#0	2.2	Pass
		MCH	QPSK	RB1#0	2.3	Pass
			16-QAM	RB1#0	2.4	Pass
		HCH	QPSK	RB1#0	2.5	Pass
			16-QAM	RB1#0	2.6	Pass
	3 MHz	LCH	QPSK	RB1#0	2.7	Pass
			16-QAM	RB1#0	2.8	Pass
		MCH	QPSK	RB1#0	2.9	Pass
			16-QAM	RB1#0	2.10	Pass
		HCH	QPSK	RB1#0	2.11	Pass
			16-QAM	RB1#0	2.12	Pass
	5 MHz	LCH	QPSK	RB1#0	2.13	Pass
			16-QAM	RB1#0	2.14	Pass
		MCH	QPSK	RB1#0	2.15	Pass
			16-QAM	RB1#0	2.16	Pass
		HCH	QPSK	RB1#0	2.17	Pass
			16-QAM	RB1#0	2.18	Pass
	10 MHz	LCH	QPSK	RB1#0	2.19	Pass
			16-QAM	RB1#0	2.20	Pass
		MCH	QPSK	RB1#0	2.21	Pass
			16-QAM	RB1#0	2.22	Pass
		HCH	QPSK	RB1#0	2.23	Pass
			16-QAM	RB1#0	2.24	Pass
	15 MHz	LCH	QPSK	RB1#0	2.25	Pass
			16-QAM	RB1#0	2.26	Pass
		MCH	QPSK	RB1#0	2.27	Pass
			16-QAM	RB1#0	2.28	Pass
		HCH	QPSK	RB1#0	2.29	Pass
			16-QAM	RB1#0	2.30	Pass
	20 MHz	LCH	QPSK	RB1#0	2.31	Pass
			16-QAM	RB1#0	2.32	Pass
		MCH	QPSK	RB1#0	2.33	Pass
			16-QAM	RB1#0	2.34	Pass
		HCH	QPSK	RB1#0	2.35	Pass
			16-QAM	RB1#0	2.36	Pass

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

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note3]	Verdict
Band 12	1.4 MHz	LCH	QPSK	RB1#0	4.1	Pass
			16-QAM	RB1#0	4.2	Pass
		MCH	QPSK	RB1#0	4.3	Pass
			16-QAM	RB1#0	4.4	Pass
		HCH	QPSK	RB1#0	4.5	Pass
			16-QAM	RB1#0	4.6	Pass
	3 MHz	LCH	QPSK	RB1#0	4.7	Pass
			16-QAM	RB1#0	4.8	Pass
		MCH	QPSK	RB1#0	4.9	Pass
			16-QAM	RB1#0	4.10	Pass
		HCH	QPSK	RB1#0	4.11	Pass
			16-QAM	RB1#0	4.12	Pass
	5 MHz	LCH	QPSK	RB1#0	4.13	Pass
			16-QAM	RB1#0	4.14	Pass
		MCH	QPSK	RB1#0	4.15	Pass
			16-QAM	RB1#0	4.16	Pass
		HCH	QPSK	RB1#0	4.17	Pass
			16-QAM	RB1#0	4.18	Pass
	10 MHz	LCH	QPSK	RB1#0	4.19	Pass
			16-QAM	RB1#0	4.20	Pass
		MCH	QPSK	RB1#0	4.21	Pass
			16-QAM	RB1#0	4.22	Pass
		HCH	QPSK	RB1#0	4.23	Pass
			16-QAM	RB1#0	4.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note3]	Verdict
Band 13	5 MHz	LCH	QPSK	RB1#0	5.1	Pass
			16-QAM	RB1#0	5.2	Pass
		MCH	QPSK	RB1#0	5.3	Pass
			16-QAM	RB1#0	5.4	Pass
		HCH	QPSK	RB1#0	5.5	Pass
			16-QAM	RB1#0	5.6	Pass
	10 MHz	LCH	QPSK	RB1#0	5.7	Pass
			16-QAM	RB1#0	5.8	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note3]	Verdict
Band 25	1.4 MHz	LCH	QPSK	RB1#0	6.1	Pass
			16-QAM	RB1#0	6.2	Pass
		MCH	QPSK	RB1#0	6.3	Pass
			16-QAM	RB1#0	6.4	Pass
		HCH	QPSK	RB1#0	6.5	Pass
			16-QAM	RB1#0	6.6	Pass
	3 MHz	LCH	QPSK	RB1#0	6.7	Pass
			16-QAM	RB1#0	6.8	Pass
		MCH	QPSK	RB1#0	6.9	Pass
			16-QAM	RB1#0	6.10	Pass
		HCH	QPSK	RB1#0	6.11	Pass
			16-QAM	RB1#0	6.12	Pass
	5 MHz	LCH	QPSK	RB1#0	6.13	Pass
			16-QAM	RB1#0	6.14	Pass
		MCH	QPSK	RB1#0	6.15	Pass
			16-QAM	RB1#0	6.16	Pass
		HCH	QPSK	RB1#0	6.17	Pass
			16-QAM	RB1#0	6.18	Pass
	10 MHz	LCH	QPSK	RB1#0	6.19	Pass
			16-QAM	RB1#0	6.20	Pass
		MCH	QPSK	RB1#0	6.21	Pass
			16-QAM	RB1#0	6.22	Pass
		HCH	QPSK	RB1#0	6.23	Pass
			16-QAM	RB1#0	6.24	Pass
	15 MHz	LCH	QPSK	RB1#0	6.25	Pass
			16-QAM	RB1#0	6.26	Pass
		MCH	QPSK	RB1#0	6.27	Pass
			16-QAM	RB1#0	6.28	Pass
		HCH	QPSK	RB1#0	6.29	Pass
			16-QAM	RB1#0	6.30	Pass
	20 MHz	LCH	QPSK	RB1#0	6.31	Pass
			16-QAM	RB1#0	6.32	Pass
		MCH	QPSK	RB1#0	6.33	Pass
			16-QAM	RB1#0	6.34	Pass
		HCH	QPSK	RB1#0	6.35	Pass
			16-QAM	RB1#0	6.36	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note3]	Verdict
Band 26	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

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	8.1	Pass
			16-QAM	RB1#0	8.2	Pass
		MCH	QPSK	RB1#0	8.3	Pass
			16-QAM	RB1#0	8.4	Pass
		HCH	QPSK	RB1#0	8.5	Pass
			16-QAM	RB1#0	8.6	Pass
	10 MHz	LCH	QPSK	RB1#0	8.7	Pass
			16-QAM	RB1#0	8.8	Pass
		MCH	QPSK	RB1#0	8.9	Pass
			16-QAM	RB1#0	8.10	Pass
		HCH	QPSK	RB1#0	8.11	Pass
			16-QAM	RB1#0	8.12	Pass
	15 MHz	LCH	QPSK	RB1#0	8.13	Pass
			16-QAM	RB1#0	8.14	Pass
		MCH	QPSK	RB1#0	8.15	Pass
			16-QAM	RB1#0	8.16	Pass
		HCH	QPSK	RB1#0	8.17	Pass
			16-QAM	RB1#0	8.18	Pass
	20 MHz	LCH	QPSK	RB1#0	8.19	Pass
			16-QAM	RB1#0	8.20	Pass
		MCH	QPSK	RB1#0	8.21	Pass
			16-QAM	RB1#0	8.22	Pass
		HCH	QPSK	RB1#0	8.23	Pass
			16-QAM	RB1#0	8.24	Pass

A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.:BL-EC1780083-501 Data Part 4.pdf”.

CDMA and EVDO Mode Test Verdict

Test Band	Test Channel	Refer to Plot[Note1]	Verdict
CDMA BC0	LCH	9.1	Pass
	HCH	9.2	Pass
CDMA BC1	LCH	9.3	Pass
	HCH	9.4	Pass
CDMA BC10	LCH	9.5	Pass
	HCH	9.6	Pass
EVDO BC0	LCH	10.1	Pass
	HCH	10.2	Pass
EVDO BC1	LCH	10.3	Pass
	HCH	10.4	Pass
EVDO BC10	LCH	10.5	Pass
	HCH	10.6	Pass

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 2	1.4 MHz	LCH	QPSK	RB1#0	1.1	Pass
				RB6#0	1.2	Pass
			16-QAM	RB1#0	1.3	Pass
				RB6#0	1.4	Pass
		HCH	QPSK	RB1#5	1.5	Pass
				RB6#0	1.6	Pass
			16-QAM	RB1#5	1.7	Pass
				RB6#0	1.8	Pass
	3 MHz	LCH	QPSK	RB1#0	1.9	Pass
				RB15#0	1.10	Pass
			16-QAM	RB1#0	1.11	Pass
				RB15#0	1.12	Pass
		HCH	QPSK	RB1#14	1.13	Pass
				RB15#0	1.14	Pass
			16-QAM	RB1#14	1.15	Pass
				RB15#0	1.16	Pass
	5 MHz	LCH	QPSK	RB1#0	1.17	Pass
				RB25#0	1.18	Pass
			16-QAM	RB1#0	1.19	Pass
				RB25#0	1.20	Pass
		HCH	QPSK	RB1#24	1.21	Pass
				RB25#0	1.22	Pass
			16-QAM	RB1#24	1.23	Pass
				RB25#0	1.24	Pass
	10 MHz	LCH	QPSK	RB1#0	1.25	Pass
				RB50#0	1.26	Pass
			16-QAM	RB1#0	1.27	Pass
				RB50#0	1.28	Pass
		HCH	QPSK	RB1#49	1.29	Pass
				RB50#0	1.30	Pass
			16-QAM	RB1#49	1.31	Pass
				RB50#0	1.32	Pass
	15 MHz	LCH	QPSK	RB1#0	1.33	Pass
				RB75#0	1.34	Pass
			16-QAM	RB1#0	1.35	Pass
				RB75#0	1.36	Pass
		HCH	QPSK	RB1#74	1.37	Pass
				RB75#0	1.38	Pass
			16-QAM	RB1#74	1.39	Pass
				RB75#0	1.40	Pass
	20 MHz	LCH	QPSK	RB1#0	1.41	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
				RB100#0	1.42	Pass
			16-QAM	RB1#0	1.43	Pass
				RB100#0	1.44	Pass
		HCH	QPSK	RB1#99	1.45	Pass
				RB100#0	1.46	Pass
			16-QAM	RB1#99	1.47	Pass
				RB100#0	1.48	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 4	1.4 MHz	LCH	QPSK	RB1#0	2.1	Pass
				RB6#0	2.2	Pass
			16-QAM	RB1#0	2.3	Pass
				RB6#0	2.4	Pass
		HCH	QPSK	RB1#5	2.5	Pass
				RB6#0	2.6	Pass
			16-QAM	RB1#5	2.7	Pass
				RB6#0	2.8	Pass
	3 MHz	LCH	QPSK	RB1#0	2.9	Pass
				RB15#0	2.10	Pass
			16-QAM	RB1#0	2.11	Pass
				RB15#0	2.12	Pass
		HCH	QPSK	RB1#14	2.13	Pass
				RB15#0	2.14	Pass
			16-QAM	RB1#14	2.15	Pass
				RB15#0	2.16	Pass
	5 MHz	LCH	QPSK	RB1#0	2.17	Pass
				RB25#0	2.18	Pass
			16-QAM	RB1#0	2.19	Pass
				RB25#0	2.20	Pass
		HCH	QPSK	RB1#24	2.21	Pass
				RB25#0	2.22	Pass
			16-QAM	RB1#24	2.23	Pass
				RB25#0	2.24	Pass
	10 MHz	LCH	QPSK	RB1#0	2.25	Pass
				RB50#0	2.26	Pass
			16-QAM	RB1#0	2.27	Pass
				RB50#0	2.28	Pass
		HCH	QPSK	RB1#49	2.29	Pass
				RB50#0	2.30	Pass
			16-QAM	RB1#49	2.31	Pass
				RB50#0	2.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
	15 MHz	LCH	QPSK	RB1#0	2.33	Pass
				RB75#0	2.34	Pass
			16-QAM	RB1#0	2.35	Pass
				RB75#0	2.36	Pass
		HCH	QPSK	RB1#74	2.37	Pass
				RB75#0	2.38	Pass
			16-QAM	RB1#74	2.39	Pass
				RB75#0	2.40	Pass
	20 MHz	LCH	QPSK	RB1#0	2.41	Pass
				RB100#0	2.42	Pass
			16-QAM	RB1#0	2.43	Pass
				RB100#0	2.44	Pass
		HCH	QPSK	RB1#99	2.45	Pass
				RB100#0	2.46	Pass
			16-QAM	RB1#99	2.47	Pass
				RB100#0	2.48	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 5	1.4 MHz	LCH	QPSK	RB1#0	3.1	Pass
				RB6#0	3.2	Pass
			16-QAM	RB1#0	3.3	Pass
				RB6#0	3.4	Pass
		HCH	QPSK	RB1#5	3.5	Pass
				RB6#0	3.6	Pass
			16-QAM	RB1#5	3.7	Pass
				RB6#0	3.8	Pass
	3 MHz	LCH	QPSK	RB1#0	3.9	Pass
				RB15#0	3.10	Pass
			16-QAM	RB1#0	3.11	Pass
				RB15#0	3.12	Pass
		HCH	QPSK	RB1#14	3.13	Pass
				RB15#0	3.14	Pass
			16-QAM	RB1#14	3.15	Pass
				RB15#0	3.16	Pass
	5 MHz	LCH	QPSK	RB1#0	3.17	Pass
				RB25#0	3.18	Pass
			16-QAM	RB1#0	3.19	Pass
				RB25#0	3.20	Pass
		HCH	QPSK	RB1#24	3.21	Pass
				RB25#0	3.22	Pass
			16-QAM	RB1#24	3.23	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
				RB25#0	3.24	Pass
	10 MHz	LCH	QPSK	RB1#0	3.25	Pass
				RB50#0	3.26	Pass
			16-QAM	RB1#0	3.27	Pass
				RB50#0	3.28	Pass
		HCH	QPSK	RB1#49	3.29	Pass
				RB50#0	3.30	Pass
			16-QAM	RB1#49	3.31	Pass
				RB50#0	3.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 12	1.4 MHz	LCH	QPSK	RB1#0	4.1	Pass
				RB6#0	4.2	Pass
			16-QAM	RB1#0	4.3	Pass
				RB6#0	4.4	Pass
		HCH	QPSK	RB1#5	4.5	Pass
				RB6#0	4.6	Pass
			16-QAM	RB1#5	4.7	Pass
				RB6#0	4.8	Pass
	3 MHz	LCH	QPSK	RB1#0	4.9	Pass
				RB15#0	4.10	Pass
			16-QAM	RB1#0	4.11	Pass
				RB15#0	4.12	Pass
		HCH	QPSK	RB1#14	4.13	Pass
				RB15#0	4.14	Pass
			16-QAM	RB1#14	4.15	Pass
				RB15#0	4.16	Pass
	5 MHz	LCH	QPSK	RB1#0	4.17	Pass
				RB25#0	4.18	Pass
			16-QAM	RB1#0	4.19	Pass
				RB25#0	4.20	Pass
		HCH	QPSK	RB1#24	4.21	Pass
				RB25#0	4.22	Pass
			16-QAM	RB1#24	4.23	Pass
				RB25#0	4.24	Pass
	10 MHz	LCH	QPSK	RB1#0	4.25	Pass
				RB50#0	4.26	Pass
			16-QAM	RB1#0	4.27	Pass
				RB50#0	4.28	Pass
		HCH	QPSK	RB1#49	4.29	Pass
				RB50#0	4.30	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
			16-QAM	RB1#49	4.31	Pass
				RB50#0	4.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 13	5 MHz	LCH	QPSK	RB1#0	5.1	Pass
				RB25#0	5.2	Pass
			16-QAM	RB1#0	5.3	Pass
				RB25#0	5.4	Pass
		HCH	QPSK	RB1#24	5.5	Pass
				RB25#0	5.6	Pass
			16-QAM	RB1#24	5.7	Pass
				RB25#0	5.8	Pass
	10 MHz	LCH	QPSK	RB1#0	5.9	Pass
				RB50#0	5.10	Pass
			16-QAM	RB1#0	5.11	Pass
				RB50#0	5.12	Pass
		HCH	QPSK	RB1#49	5.13	Pass
				RB50#0	5.14	Pass
			16-QAM	RB1#49	5.15	Pass
				RB50#0	5.16	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 25	1.4 MHz	LCH	QPSK	RB1#0	6.1	Pass
				RB6#0	6.2	Pass
			16-QAM	RB1#0	6.3	Pass
				RB6#0	6.4	Pass
		HCH	QPSK	RB1#5	6.5	Pass
				RB6#0	6.6	Pass
			16-QAM	RB1#5	6.7	Pass
				RB6#0	6.8	Pass
	3 MHz	LCH	QPSK	RB1#0	6.9	Pass
				RB15#0	6.10	Pass
			16-QAM	RB1#0	6.11	Pass
				RB15#0	6.12	Pass
		HCH	QPSK	RB1#14	6.13	Pass
				RB15#0	6.14	Pass
			16-QAM	RB1#14	6.15	Pass
				RB15#0	6.16	Pass
	5 MHz	LCH	QPSK	RB1#0	6.17	Pass
				RB25#0	6.18	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
			16-QAM	RB1#0	6.19	Pass
				RB25#0	6.20	Pass
		HCH	QPSK	RB1#24	6.21	Pass
				RB25#0	6.22	Pass
			16-QAM	RB1#24	6.23	Pass
				RB25#0	6.24	Pass
	10 MHz	LCH	QPSK	RB1#0	6.25	Pass
				RB50#0	6.26	Pass
			16-QAM	RB1#0	6.27	Pass
				RB50#0	6.28	Pass
		HCH	QPSK	RB1#49	6.29	Pass
				RB50#0	6.30	Pass
			16-QAM	RB1#49	6.31	Pass
				RB50#0	6.32	Pass
	15 MHz	LCH	QPSK	RB1#0	6.33	Pass
				RB75#0	6.34	Pass
			16-QAM	RB1#0	6.35	Pass
				RB75#0	6.36	Pass
		HCH	QPSK	RB1#74	6.37	Pass
				RB75#0	6.38	Pass
			16-QAM	RB1#74	6.39	Pass
				RB75#0	6.40	Pass
	20 MHz	LCH	QPSK	RB1#0	6.41	Pass
				RB100#0	6.42	Pass
			16-QAM	RB1#0	6.43	Pass
				RB100#0	6.44	Pass
		HCH	QPSK	RB1#99	6.45	Pass
				RB100#0	6.46	Pass
			16-QAM	RB1#99	6.47	Pass
				RB100#0	6.48	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 26	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
				RB75#0	7.40	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	8.1	Pass
				RB25#0	8.2	Pass
			16-QAM	RB1#0	8.3	Pass
				RB25#0	8.4	Pass
		HCH	QPSK	RB1#24	8.5	Pass
				RB25#0	8.6	Pass
			16-QAM	RB1#24	8.7	Pass
				RB25#0	8.8	Pass
	10 MHz	LCH	QPSK	RB1#0	8.9	Pass
				RB50#0	8.10	Pass
			16-QAM	RB1#0	8.11	Pass
				RB50#0	8.12	Pass
		HCH	QPSK	RB1#49	8.13	Pass
				RB50#0	8.14	Pass
			16-QAM	RB1#49	8.15	Pass
				RB50#0	8.16	Pass
	15 MHz	LCH	QPSK	RB1#0	8.17	Pass
				RB75#0	8.18	Pass
			16-QAM	RB1#0	8.19	Pass
				RB75#0	8.20	Pass
		HCH	QPSK	RB1#74	8.21	Pass
				RB75#0	8.22	Pass
			16-QAM	RB1#74	8.23	Pass
				RB75#0	8.24	Pass
	20 MHz	LCH	QPSK	RB1#0	8.25	Pass
				RB100#0	8.26	Pass
			16-QAM	RB1#0	8.27	Pass
				RB100#0	8.28	Pass
		HCH	QPSK	RB1#99	8.29	Pass
				RB100#0	8.30	Pass
			16-QAM	RB1#99	8.31	Pass
				RB100#0	8.32	Pass

A.7 Field Strength of Spurious Radiation

Note 1: All 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 MS carrier frequency.

Note 3: Test plots please refer to the document “Annex No.:BL-EC1780083-501 Data Part 5.pdf”.

CDMA and EVDO Mode Test Verdict

Test Band	Test Channel	Refer to Plot[Note3]	Verdict
CDMA BC0	LCH	1.1	Pass
	MCH	1.2	Pass
	HCH	1.3	Pass
CDMA BC1	LCH	1.4	Pass
	MCH	1.5	Pass
	HCH	1.6	Pass
CDMA BC10	LCH	1.7	Pass
	MCH	1.8	Pass
	HCH	1.9	Pass
EVDO BC0	LCH	2.1	Pass
	MCH	2.2	Pass
	HCH	2.3	Pass
EVDO BC1	LCH	2.4	Pass
	MCH	2.5	Pass
	HCH	2.6	Pass
EVDO BC10	LCH	2.7	Pass
	MCH	2.8	Pass
	HCH	2.9	Pass

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note3]	Verdict
Band 2	1.4 MHz	MCH	QPSK	RB1#0	3.1	Pass
	3 MHz	MCH	QPSK	RB1#0	3.2	Pass
	5 MHz	MCH	QPSK	RB1#0	3.3	Pass
	10 MHz	MCH	QPSK	RB1#0	3.4	Pass
	15 MHz	MCH	QPSK	RB1#0	3.5	Pass
	20 MHz	MCH	QPSK	RB1#0	3.6	Pass
Band 4	1.4 MHz	MCH	QPSK	RB1#0	4.1	Pass
	3 MHz	MCH	QPSK	RB1#0	4.2	Pass
	5 MHz	MCH	QPSK	RB1#0	4.3	Pass
	10 MHz	MCH	QPSK	RB1#0	4.4	Pass
	15 MHz	MCH	QPSK	RB1#0	4.5	Pass
	20 MHz	MCH	QPSK	RB1#0	4.6	Pass
Band 5	1.4 MHz	MCH	QPSK	RB1#0	5.1	Pass
	3 MHz	MCH	QPSK	RB1#0	5.2	Pass
	5 MHz	MCH	QPSK	RB1#0	5.3	Pass
	10 MHz	MCH	QPSK	RB1#0	5.4	Pass
Band 12	1.4 MHz	MCH	QPSK	RB1#0	6.1	Pass
	3 MHz	MCH	QPSK	RB1#0	6.2	Pass
	5 MHz	MCH	QPSK	RB1#0	6.3	Pass
	10 MHz	MCH	QPSK	RB1#0	6.4	Pass
Band 13	5 MHz	MCH	QPSK	RB1#0	7.1	Pass
	10 MHz	MCH	QPSK	RB1#0	7.2	Pass
Band 25	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
	15 MHz	MCH	QPSK	RB1#0	8.5	Pass
	20 MHz	MCH	QPSK	RB1#0	8.6	Pass
Band 26	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
	15 MHz	MCH	QPSK	RB1#0	9.5	Pass
Band 41	5 MHz	MCH	QPSK	RB1#0	10.1	Pass
	10 MHz	MCH	QPSK	RB1#0	10.2	Pass
	15 MHz	MCH	QPSK	RB1#0	10.3	Pass
	20 MHz	MCH	QPSK	RB1#0	10.4	Pass

ANNEX B TEST SETUP PHOTOS

Please refer to the document “BL-EC1780083-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer to the document “BL- EC1780083-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer to the document “BL- EC1780083-AI.PDF”.

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