

TEST REPORT

Report No.: SHE23060106-01AE

Date: 2023-09-18

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Applicant : SIMCom Wireless Solutions Limited
Address of Applicant : SIMCom Headquarters Building, Building 3, No.289
Linhong Road, Changning District, Shanghai, China

Product Name : LTE Wireless Data Module
Brand Name : SIMCom
Model Name : SIM8918EA
Sample acquisition Method : Sent by Client

Sample No. : E23060106-01#01
E23060106-01#04

FCC ID : 2AJYU-8XRA001

Standards : FCC CFR47 Part 2 (Others refer to chapter 1.4)

Date of Receipt : 2023-07-18
Date of Test : 2023-07-18 ~ 2023-09-12
Date of Issue : 2023-09-18

Remark:

This report details the results of the testing carried out on one sample, the results contained in this report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

Prepared by:



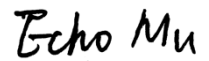
(Erik Yang)

Reviewed by:



(Jennifer Zhou)

Approved by:



(Authorized signatory: Echo Mu)

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1 General Information

1.1 Testing Laboratory

Company Name	ICAS Testing Technology Service (Shanghai) Co., Ltd.
Address	No.1298 Pingan Rd, Minhang District, Shanghai, China
Telephone	0086 21-51682999
Fax	0086 21-54711112
Homepage	www.icasiso.com

1.2 Details of Application

Company Name	SIMCom Wireless Solutions Limited
Address	SIMCom Headquarters Building, Building 3, No.289 Linhong Road, Changning District, Shanghai,China
Contact Person	Yongsheng Li
Telephone	+86 21 3252 3134
Email	yongsheng.li@simcom.com
Manufacturer Company Name	SIMCom Wireless Solutions Limited
Address	SIMCom Headquarters Building, Building 3, No.289 Linhong Road, Changning District, Shanghai,China
Factory Company Name	SIMCom Wireless Solutions Limited
Address	SIMCom Headquarters Building, Building 3, No.289 Linhong Road, Changning District, Shanghai,China

1.3 Details of EUT

Product Name	LTE Wireless Data Module		
Brand Name	SIMCom		
Test Model No.	SIM8918EA		
FCC ID	2AJYU-8XRA001		
Mode of Operation	GSM/GPRS/EDGE 850/1900 WCDMA/HSDPA/HSUPA Band II/IV/V LTE FDD Band 2/4/5/7 LTE TDD Band 38/41		
Frequency Range	Band	Tx (MHz)	Rx (MHz)
	GSM 850	824 ~ 849	869 ~ 894
	GSM 1900	1850 ~ 1910	1930 ~ 1990
	WCDMA Band II	1850 ~ 1910	1930 ~ 1990
	WCDMA Band IV	1710 ~ 1755	2110 ~ 2155
	WCDMA Band V	824 ~ 849	869 ~ 894
	LTE FDD Band 2	1850 ~ 1910	1930 ~ 1990
	LTE FDD Band 4	1710 ~ 1755	2110 ~ 2155

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	LTE FDD Band 5		824 ~ 849	869 ~ 894
	LTE FDD Band 7		2500 ~ 2570	2620 ~ 2690
	LTE TDD Band 38		2570 ~ 2620	2570 ~ 2620
	LTE TDD Band 41		2496 ~ 2690	2496 ~ 2690
Modulation Type	GSM/GPRS		GMSK	
	EGPRS		8PSK	
	WCDMA		QPSK	
	HSDPA/HSUPA		QPSK	
			16QAM	
	LTE		QPSK	
			16QAM	
Power Class	GSM/GPRS 850: 4 GSM/GPRS 1900: 1 EDGE 850/1900: E2 WCDMA/HSDPA/HSUPA Band II: 3 WCDMA/HSDPA/HSUPA Band IV: 3 WCDMA/HSDPA/HSUPA Band V: 3 LTE FDD Band 2: 3 LTE FDD Band 4: 3 LTE FDD Band 5: 3 LTE FDD Band 7: 3 LTE TDD Band 38: 3 LTE TDD Band 41: 3			
Multislot Class	GPRS/EDGE: 12			
Antenna Type	External Antenna			
Antenna Gain	GSM/GPRS/EDGE 850: 0.64 dBi GSM/GPRS/EDGE 1900: 2.12 dBi WCDMA/HSDPA/HSUPA Band II: 2.12 dBi WCDMA/HSDPA/HSUPA Band IV: 2.95 dBi WCDMA/HSDPA/HSUPA Band V: 0.64 dBi LTE FDD Band 2: 2.12 dBi LTE FDD Band 4: 2.95 dBi LTE FDD Band 5: 0.64 dBi LTE FDD Band 7: 2.90 dBi LTE TDD Band 38: 1.64 dBi LTE TDD Band 41: 2.90 dBi			
Extreme Temperature Range	-35℃~ +75℃			
Hardware version	8XR000-SIM8918_V1.03			
Software version	SIM8918B01V01			
Test SW Version	BL410 R;BL410 E			

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1.4 Test Methodology

47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
47 CFR Part 22 Subpart H	Public Mobile Services
47 CFR Part 24 Subpart E	Personal Communications Services
47 CFR Part 27	Miscellaneous Wireless Communications Services
ANSI/TIA-603-E-2016	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards
ANSI C63.26:2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
KDB 971168 D01 v03	Measurement Guidance for Certification of Licensed Digital Transmitters

Note(s):

All test items were verified and recorded according to the standards and without any addition/deviation/exclusion during the test.

1.5 Test Verdict

No.	FCC Part No.	Description	Test Result	Verdict
1	2.1046	Conducted RF Output Power	Reporting Only Clause 5.1.1	PASS
2	2.1046 22.913 24.232 27.50	Effective (Isotropic) Radiated Power	Clause 5.1.1	PASS
3	2.1046 24.232(d) 27.50(d)	Peak to Average Ratio	Clause 5.1.2	PASS
4	2.1049 22.917 24.238 27.53	Occupied Bandwidth	Clause 5.1.3	PASS
5	2.1055 22.355 24.235 27.54	Frequency Stability	Clause 5.1.4	PASS
6	2.1051 22.917	Spurious Emission at Antenna Terminals	Clause 5.1.5	PASS

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	24.238 27.53			
7	2.1051 22.917 24.238 27.53	Band Edge	Clause 5.1.6	PASS
8	2.1051 22.917 24.238 27.53	Field Strength of Spurious Radiation	Clause 5.1.7	PASS

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2 Test Condition

2.1 Environmental conditions

Temperature (°C)	18-25
Humidity (%RH)	40-65
Barometric Pressure (mbar)	960-1060

2.2 Test Environments

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

Test Voltage	NV (Normal Voltage)	3.90 V
	LV (Low Voltage)	3.40 V
	HV (High Voltage)	4.40 V
Test Temperature	NT (Normal Temperature)	+25 °C
	LT (Low Temperature)	-35 °C
	HT (High Temperature)	+75 °C

2.3 Equipment List

Name of Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	Keysight	N9020A	MY54101709	2023-07-27	2024-07-26
Spectrum Analyzer	Keysight	N9020B	MY59260184	2023-07-27	2024-07-26
Spectrum Analyzer	Rohde & Schwarz	FSV40N	101450	2023-06-08	2024-06-07
EMI Test Receiver	Rohde & Schwarz	ESPI3	100173	2023-06-08	2024-06-07
EMI Test Receiver	Rohde & Schwarz	ESR7	101911	2023-06-08	2024-06-07
V-network	SCHWARZBECK	NSLK8127	8127-902	2023-06-07	2024-06-06
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	100687	2023-07-27	2024-07-26
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	150835	2023-07-27	2024-07-26
DC Power Supply	ITECH	IT6952A	N/A	2022-06-07	2024-06-06
Temperature Chamber	ESPEC	ECT-2	055239A	2021-12-29	2023-12-28
Broadband Antenna	SCHWARZBECK	VULB9163	9163-1037	2023-03-22	2025-03-21
Horn Antenna-18G	SCHWARZBECK	BBHA9120D	9120D-1775	2023-06-13	2025-06-12
Loop Antenna	SCHWARZBECK	FMZB 1513	N/A	2023-06-09	2024-06-08

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Horn Antenna-40G	YINGLIAN	LB-180400-KF	N/A	2023-06-18	2025-06-17
EMC chamber 9*6*6 (L*W*H)	CHANGNING	966	N/A	2023-06-09	2024-06-08
Shielded Room 8*5*4 (L*W*H)	CHANGNING	854	N/A	2023-06-09	2025-06-08
Test Software	BL	BL410_E	Version:1.0.0.117	N/A	N/A
Test Software	BL	BL410_R	Version:2.1.1.409	N/A	N/A

2.4 Measurement Uncertainty

FCC Part No.	Description	Uncertainty
2.1046	Conducted RF Output Power	±0.69dB
2.1046 24.232(d) 27.50(d)	Peak to Average Radio	±0.015%
2.1049 22.917 24.238 27.53	Occupied Bandwidth	±30kHz
2.1055 22.355 24.235 27.54	Frequency Stability	±12Hz
2.1051 22.917 24.238 27.53	Spurious Emission at Antenna Terminals	±2.84dB
2.1051 22.917 24.238 27.53	Band Edge	±2.84dB
2.1051 22.917 24.238 27.53	Field Strength of Spurious Radiation	±5.00dB

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3 Test Set-up and Operation Modes

3.1 Details of Test Mode

Test Item	Test Mode	Test Channel		
		LCH	MCH	HCH
Effective (Isotropic) Radiated Power	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v
	EDGE 850	v	v	v
	EDGE 1900	v	v	v
	WCDMA Band II	v	v	v
	WCDMA Band IV	v	v	v
	WCDMA Band V	v	v	v
	HSDPA Band II	v	v	v
	HSDPA Band IV	v	v	v
	HSDPA Band V	v	v	v
	HSUPA Band II	v	v	v
	HSUPA Band IV	v	v	v
	HSUPA Band V	v	v	v
Peak to Average Ratio	WCDMA Band II	v	v	v
	WCDMA Band IV	v	v	v
	WCDMA Band V	v	v	v
Occupied Bandwidth	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v
	EDGE 850	v	v	v
	EDGE 1900	v	v	v
	WCDMA Band II	v	v	v
	WCDMA Band IV	v	v	v
	WCDMA Band V	v	v	v
Frequency Stability	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v

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	EDGE 850	v	v	v
	EDGE 1900	v	v	v
	WCDMA Band II	v	v	v
	WCDMA Band IV	v	v	v
	WCDMA Band V	v	v	v
Spurious Emission at Antenna Terminals	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v
	EDGE 850	v	v	v
	EDGE 1900	v	v	v
	WCDMA Band II	v	v	v
	WCDMA Band IV	v	v	v
	WCDMA Band V	v	v	v
Band Edge	GSM 850	v	-	v
	GSM 1900	v	-	v
	GPRS 850	v	-	v
	GPRS 1900	v	-	v
	EDGE 850	v	-	v
	EDGE 1900	v	-	v
	WCDMA Band II	v	-	v
	WCDMA Band IV	v	-	v
	WCDMA Band V	v	-	v
Field Strength of Spurious Radiation	GSM 850	v	v	v
	GSM 1900	v	v	v
	GPRS 850	v	v	v
	GPRS 1900	v	v	v
	EDGE 850	v	v	v
	EDGE 1900	v	v	v
	WCDMA Band II	v	v	v
	WCDMA Band IV	v	v	v
	WCDMA Band V	v	v	v

Note(s):

The mark 'v' means that this configuration is chosen for testing.

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Test Item	LTE Band	Bandwidth (MHz)						Modulation Type		RB#			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	LCH	MCH	HCH
Effective (Isotropic) Radiated Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	n	n	v	v	v	v	v	v	v	v
	7	n	n	v	v	v	v	v	v	v	v	v	v	v	v
	38	n	n	v	v	v	v	v	v	v	v	v	v	v	v
	41	n	n	v	v	v	v	v	v	v	v	v	v	v	v
Peak to Average Radio	2	--	--	--	--	--	v	v	v	v	--	v	v	v	v
	4	--	--	--	--	--	v	v	v	v	--	v	v	v	v
	5	--	--	--	v	n	n	v	v	v	--	v	v	v	v
	7	n	n	--	--	--	v	v	v	v	--	v	v	v	v
	38	n	n	--	--	--	v	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
	7	n	n	v	v	v	v	v	v	--	--	v	v	v	v
	38	n	n	v	v	v	v	v	v	--	--	v	v	v	v
	41	n	n	v	v	v	v	v	v	--	--	v	v	v	v
Frequency Stability	2	--	--	--	v	--	--	v	v	--	--	v	--	v	--
	4	--	--	--	v	--	--	v	v	--	--	v	--	v	--
	5	--	--	--	v	n	n	v	v	--	--	v	--	v	--
	7	n	n	--	v	--	--	v	v	--	--	v	--	v	--
	38	n	n	--	v	--	--	v	v	--	--	v	--	v	--
	41	n	n	--	v	--	--	v	v	--	--	v	--	v	--
Spurious Emission at Antenna Terminals	2	v	v	v	v	v	v	v	v	v	--	--	v	v	v
	4	v	v	v	v	v	v	v	v	v	--	--	v	v	v
	5	v	v	v	v	n	n	v	v	v	--	--	v	v	v
	7	n	n	v	v	v	v	v	v	v	--	--	v	v	v
	38	n	n	v	v	v	v	v	v	v	--	--	v	v	v
	41	n	n	v	v	v	v	v	v	v	--	--	v	v	v
Band Edge	2	v	v	v	v	v	v	v	v	v	--	v	v	--	v
	4	v	v	v	v	v	v	v	v	v	--	v	v	--	v
	5	v	v	v	v	n	n	v	v	v	--	v	v	--	v
	7	n	n	v	v	v	v	v	v	v	--	v	v	--	v

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	38	n	n	v	v	v	v	v	v	v	--	v	v	--	v
	41	n	n	v	v	v	v	v	v	v	--	v	v	--	v
Field Strength of Spurious Radiation	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	--
	7	n	n	v	v	v	v	v	--	v	--	--	--	v	--
	38	n	n	v	v	v	v	v	--	v	--	--	--	v	--
	41	n	n	v	v	v	v	v	--	v	--	--	--	v	--

Note(s):

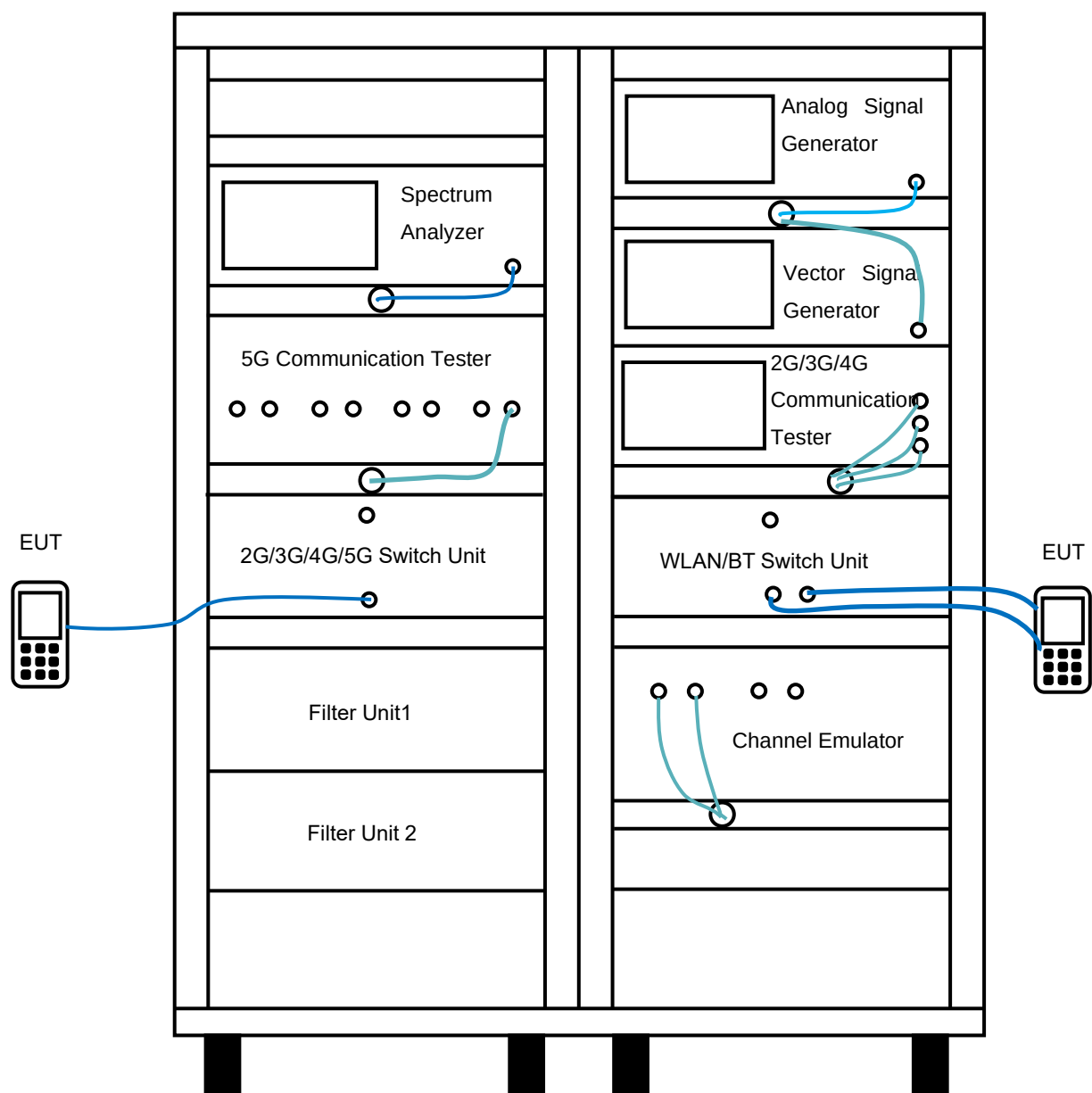
The mark 'v' means that this configuration is chosen for testing.

The mark 'n' means that this bandwidth is not supported.

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3.2 Test Setup Diagram

Diagram of Measurement Equipment Configuration for Antenna Port Test



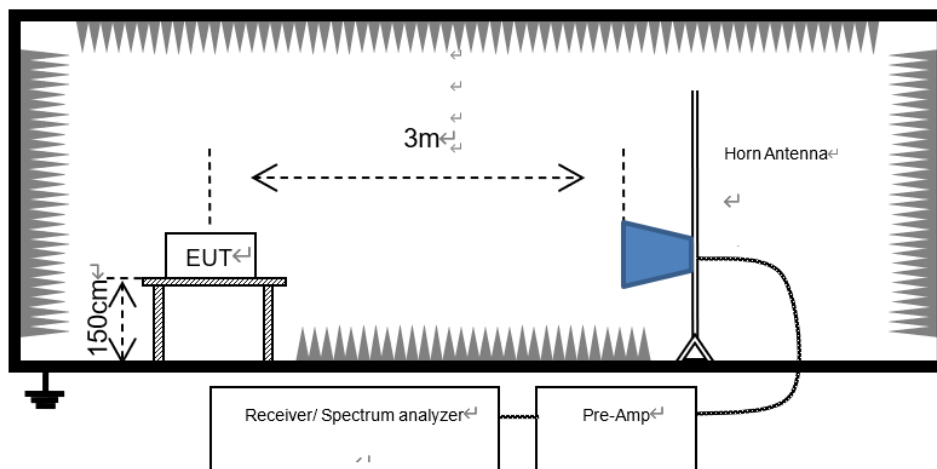
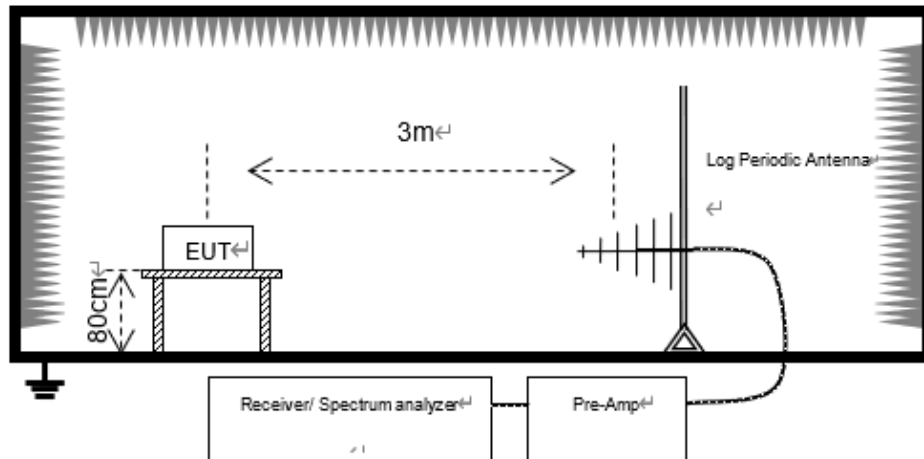
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Diagram of Measurement Configuration for Radiation Test



Note: Measurements below 1GHz are done with a table height of 0.8m and above 1GHz are done with a table height of 1.5m. In addition, there is RF absorbing material on the floor of the test site for above 1GHz measurement.

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Diagram of Measurement Configuration for Frequency Stability

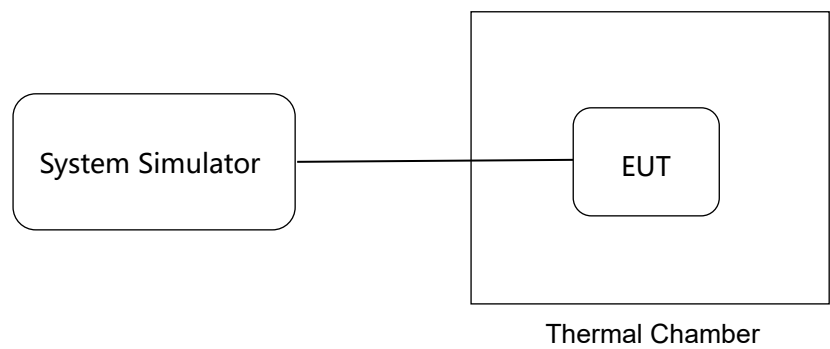
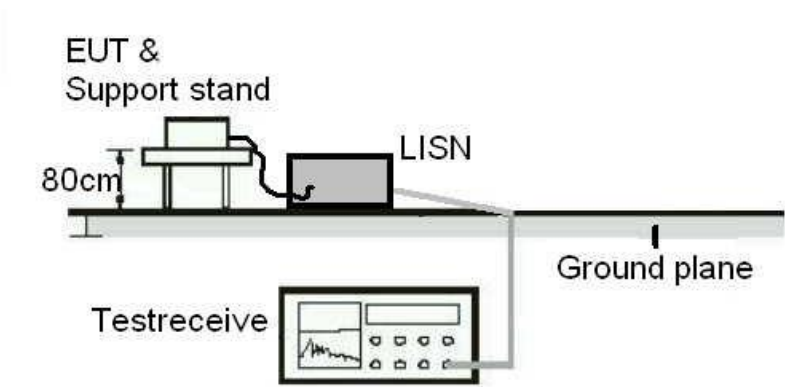


Diagram of Measurement Equipment Configuration for Conduction Measurement



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4 Test Items

4.1 Transmitter Radiated Power (EIRP/ERP)

4.1.1 Limit

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

According to FCC section 22.913(a) (2), the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 24.232(c), Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

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

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

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

And FCC section 27.50(h) (2), for mobile and other user stations, mobile stations are limited to 2 watts EIRP. All user stations are limited to 2 watts transmitter output power.

4.1.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

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

$$\text{EIRP} = P_T + G_T - L_C$$

$$\text{ERP} = \text{EIRP} - 2.15$$

Where:

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

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

$$\text{ERP/EIRP} = \text{SA Read Value} + \text{Correction Factor}$$

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).

4.1.3 Test Result

Please refer to 5.1.1.

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4.2 Peak-to-Average Ratio

4.2.1 Limit

FCC § 2.1046 & 24.232(d) & 27.50(d)

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

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

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.

4.2.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

4.2.3 Test Result

Please refer to 5.1.2.

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4.3 Occupied Bandwidth

4.3.1 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.

4.3.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (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.
5. Set the detection mode to peak, and the trace mode to max hold.
6. 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)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. 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 the “-X dB down amplitude” determined in step 6. 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.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

4.3.3 Test Result

Please refer to 5.1.3.

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4.4 Frequency Stability

4.4.1 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 as below.

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.

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4.4.2 Test Procedures

For Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -10°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in -10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

For Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at 20±5°C and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

4.4.3 Test Result

Please refer to 5.1.4.

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4.5 Spurious Emission at Antenna Terminals

4.5.1 Limit

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

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

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

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(c)

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

- (1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

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

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB.

FCC § 27.53(h) (1)

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the

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power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

FCC § 27.53(m) (4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

4.5.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. CMW500 is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from $43 + 10 \log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10 \log(P)]$ (dB)
 $= [30 + 10 \log(P)]$ (dBm) - $[43 + 10 \log(P)]$ (dB)
 $= -13$ dBm.
11. For Band 7/41

The limit line is derived from $55 + 10 \log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [55 + 10 \log(P)]$ (dB)
 $= [30 + 10 \log(P)]$ (dBm) - $[55 + 10 \log(P)]$ (dB)
 $= -25$ dBm.

4.5.3 Test Result

Please refer to 5.1.5.

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4.6 Band Edge

4.6.1 Limit

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

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

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

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(c)

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

- (1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

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

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB.

FCC § 27.53(h) (1)

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts

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by at least $43 + 10 \log_{10}(P)$ dB.

FCC § 27.53(m) (4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

4.6.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$$

9. For LTE Band 7/41, the other 40 dB, and 55 dB have additionally applied same calculation above.

4.6.3 Test Result

Please refer to 5.1.6.

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4.7 Field Strength of Spurious Radiation

4.7.1 Limit

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

RSS-Gen § 6.13 & RSS-132 § 5.5 & RSS-133 § 6.5 & RSS-139 § 6.6

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

(1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

(2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;

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

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

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

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

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB.

FCC § 27.53(h) (1)

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

FCC § 27.53(m) (4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz

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and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

4.7.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$
13. For Band 7/41: The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [55 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [55 + 10\log(P)] \text{ (dB)}$
 $= -25\text{dBm}.$

4.7.3 Test Result

Please refer to 5.1.7.

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5 Test Results

5.1.1 Transmitter Radiated Power (EIRP/ERP)

Conducted Power Measurement Results for GSM/GPRS/EDGE

Conducted Power (dBm)							
Band		GSM 850			GSM 1900		
Channel		Low	Mid	High	Low	Mid	High
GSM		33.36	33.46	33.23	29.11	29.16	29.23
GPRS	1 TX slot	33.37	33.45	33.34	29.12	29.17	29.22
	2 TX slot	32.26	32.35	32.29	27.96	27.93	28.00
	3 TX slot	30.49	30.65	30.55	26.83	26.72	26.81
	4 TX slot	28.60	28.85	28.76	25.18	25.16	25.28
EDGE	1 TX slot	26.66	26.59	26.62	24.63	24.85	24.62
	2 TX slot	25.38	25.40	25.36	23.63	23.60	23.72
	3 TX slot	23.87	23.79	23.75	22.75	22.68	22.61
	4 TX slot	22.20	22.12	21.99	21.50	20.97	21.20

Effective (Isotropic) Radiated Power Measurement Results for GSM/GPRS/EDGE

Band	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
GSM	LCH	33.36	0.64	31.85	1.531	7	PASS
	MCH	33.46	0.64	31.95	1.567	7	PASS
	HCH	33.23	0.64	31.72	1.486	7	PASS
GPRS 850	LCH	33.37	0.64	31.86	1.535	7	PASS
	MCH	33.45	0.64	31.94	1.563	7	PASS
	HCH	33.34	0.64	31.83	1.524	7	PASS
EGPRS 850	LCH	26.66	0.64	25.15	0.327	7	PASS
	MCH	26.59	0.64	25.08	0.322	7	PASS
	HCH	26.62	0.64	25.11	0.324	7	PASS

Band	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
GSM	LCH	29.11	2.12	31.23	1.327	2	PASS
	MCH	29.16	2.12	31.28	1.343	2	PASS
	HCH	29.23	2.12	31.35	1.365	2	PASS
GPRS 1900	LCH	29.12	2.12	31.24	1.330	2	PASS
	MCH	29.17	2.12	31.29	1.346	2	PASS

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	HCH	29.22	2.12	31.34	1.361	2	PASS
EGPRS 1900	LCH	24.63	2.12	26.75	0.473	2	PASS
	MCH	24.85	2.12	26.97	0.498	2	PASS
	HCH	24.62	2.12	26.74	0.472	2	PASS

Note: For the GPRS and EGPRS mode, all slots were tested and just the worst data were recorded in this table.

Conducted Power Measurement Results for WCDMA/HSDPA/HSPUA

WCDMA Band II	Mode	Conducted Power (dBm)		
		Channel		
		Low	Mid	High
RMC	12.2 kbps	23.24	23.35	23.31
HSDPA	Sub - Test 1	22.29	22.31	22.24
	Sub - Test 2	22.47	22.37	22.35
	Sub - Test 3	21.96	21.87	21.89
	Sub - Test 4	22.04	21.92	21.88
HSUPA	Sub - Test 1	22.41	22.33	22.37
	Sub - Test 2	20.50	20.50	20.48
	Sub - Test 3	21.39	21.41	21.36
	Sub - Test 4	20.50	20.49	20.47
	Sub - Test 5	22.18	22.17	22.11

WCDMA Band IV	Mode	Conducted Power (dBm)		
		Channel		
		Low	Mid	High
RMC	12.2 kbps	23.14	23.43	23.27
HSDPA	Sub - Test 1	22.12	22.14	22.19
	Sub - Test 2	22.23	22.18	22.34
	Sub - Test 3	21.82	21.69	21.85
	Sub - Test 4	21.81	21.80	21.86
HSUPA	Sub - Test 1	22.19	22.19	22.30
	Sub - Test 2	20.28	20.31	20.45
	Sub - Test 3	21.22	21.23	21.35
	Sub - Test 4	20.29	20.31	20.42
	Sub - Test 5	22.12	22.39	22.30

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WCDMA Band V	Mode	Conducted Power (dBm)		
		Channel		
		Low	Mid	High
RMC	12.2 kbps	23.87	23.92	23.91
HSDPA	Sub - Test 1	22.90	22.76	22.88
	Sub - Test 2	23.08	22.92	23.14
	Sub - Test 3	22.62	22.47	22.61
	Sub - Test 4	22.63	22.50	22.62
HSUPA	Sub - Test 1	22.87	22.95	22.93
	Sub - Test 2	20.96	21.00	21.03
	Sub - Test 3	22.06	22.01	22.03
	Sub - Test 4	21.11	21.05	21.17
	Sub - Test 5	22.94	22.96	23.14

Effective (Isotropic) Radiated Power Measurement Results for WCDMA/HSDPA/HSUPA

Band	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
WCDMA Band II	LCH	23.24	2.12	25.36	0.344	2	PASS
	MCH	23.35	2.12	25.47	0.352	2	PASS
	HCH	23.31	2.12	25.43	0.349	2	PASS
HSDPA Band II	LCH	22.47	2.12	24.59	0.288	2	PASS
	MCH	22.37	2.12	24.49	0.281	2	PASS
	HCH	22.35	2.12	24.47	0.280	2	PASS
HSUPA Band II	LCH	22.41	2.12	24.53	0.284	2	PASS
	MCH	22.33	2.12	24.45	0.279	2	PASS
	HCH	22.37	2.12	24.49	0.281	2	PASS

Band	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
WCDMA Band IV	LCH	23.14	2.95	26.09	0.406	1	PASS
	MCH	23.43	2.95	26.38	0.435	1	PASS
	HCH	23.27	2.95	26.22	0.419	1	PASS
HSDPA Band IV	LCH	22.23	2.95	25.18	0.330	1	PASS
	MCH	22.18	2.95	25.13	0.326	1	PASS
	HCH	22.34	2.95	25.29	0.338	1	PASS

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HSUPA Band IV	LCH	22.19	2.95	25.14	0.327	1	PASS
	MCH	22.39	2.95	25.34	0.342	1	PASS
	HCH	22.30	2.95	25.25	0.335	1	PASS

Band	Channel	Conducted Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
WCDMA Band V	LCH	23.87	0.64	22.36	0.172	7	PASS
	MCH	23.92	0.64	22.41	0.174	7	PASS
	HCH	23.91	0.64	22.40	0.174	7	PASS
HSDPA Band V	LCH	23.08	0.64	21.57	0.144	7	PASS
	MCH	22.92	0.64	21.41	0.138	7	PASS
	HCH	23.14	0.64	21.63	0.146	7	PASS
HSUPA Band V	LCH	22.94	0.64	21.43	0.139	7	PASS
	MCH	22.96	0.64	21.45	0.140	7	PASS
	HCH	23.14	0.64	21.63	0.146	7	PASS

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

Effective (Isotropic) Radiated Power Measurement Results for LTE

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 2									
1.4 MHz	LCH	QPSK	RB1#0	22.55	2.12	24.67	0.293	2	PASS
			RB1#3	22.60	2.12	24.72	0.296	2	PASS
			RB1#5	22.59	2.12	24.71	0.296	2	PASS
			RB3#0	22.25	2.12	24.37	0.274	2	PASS
			RB3#2	22.19	2.12	24.31	0.270	2	PASS
			RB3#3	22.22	2.12	24.34	0.272	2	PASS
			RB6#0	21.24	2.12	23.36	0.217	2	PASS
		16-QAM	RB1#0	21.32	2.12	23.44	0.221	2	PASS
			RB1#3	21.34	2.12	23.46	0.222	2	PASS
			RB1#5	21.36	2.12	23.48	0.223	2	PASS
			RB3#0	21.07	2.12	23.19	0.208	2	PASS
			RB3#2	21.08	2.12	23.20	0.209	2	PASS
			RB3#3	21.04	2.12	23.16	0.207	2	PASS
			RB6#0	20.30	2.12	22.42	0.175	2	PASS
	MCH	QPSK	RB1#0	22.08	2.12	24.20	0.263	2	PASS
			RB1#3	22.25	2.12	24.37	0.274	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 2									
3 MHz			RB1#5	22.22	2.12	24.34	0.272	2	PASS
			RB3#0	22.18	2.12	24.30	0.269	2	PASS
			RB3#2	22.18	2.12	24.30	0.269	2	PASS
			RB3#3	22.25	2.12	24.37	0.274	2	PASS
			RB6#0	21.23	2.12	23.35	0.216	2	PASS
		16-QAM	RB1#0	21.44	2.12	23.56	0.227	2	PASS
			RB1#3	21.52	2.12	23.64	0.231	2	PASS
			RB1#5	21.27	2.12	23.39	0.218	2	PASS
			RB3#0	21.09	2.12	23.21	0.209	2	PASS
			RB3#2	21.09	2.12	23.21	0.209	2	PASS
			RB3#3	21.05	2.12	23.17	0.207	2	PASS
			RB6#0	20.08	2.12	22.20	0.166	2	PASS
	HCH	QPSK	RB1#0	22.29	2.12	24.41	0.276	2	PASS
			RB1#3	22.74	2.12	24.86	0.306	2	PASS
			RB1#5	22.62	2.12	24.74	0.298	2	PASS
			RB3#0	22.54	2.12	24.66	0.292	2	PASS
			RB3#2	22.57	2.12	24.69	0.294	2	PASS
			RB3#3	22.49	2.12	24.61	0.289	2	PASS
			RB6#0	21.34	2.12	23.46	0.222	2	PASS
		16-QAM	RB1#0	21.32	2.12	23.44	0.221	2	PASS
			RB1#3	21.40	2.12	23.52	0.225	2	PASS
			RB1#5	21.34	2.12	23.46	0.222	2	PASS
			RB3#0	21.55	2.12	23.67	0.233	2	PASS
			RB3#2	21.66	2.12	23.78	0.239	2	PASS
			RB3#3	21.54	2.12	23.66	0.232	2	PASS
			RB6#0	20.35	2.12	22.47	0.177	2	PASS
3 MHz	LCH	QPSK	RB1#0	22.30	2.12	24.42	0.277	2	PASS
			RB1#7	22.23	2.12	24.35	0.272	2	PASS
			RB1#14	22.20	2.12	24.32	0.270	2	PASS
			RB8#0	21.29	2.12	23.41	0.219	2	PASS
			RB8#4	21.34	2.12	23.46	0.222	2	PASS
			RB8#7	21.23	2.12	23.35	0.216	2	PASS
			RB15#0	21.34	2.12	23.46	0.222	2	PASS
		16-QAM	RB1#0	21.34	2.12	23.46	0.222	2	PASS
			RB1#7	21.32	2.12	23.44	0.221	2	PASS
			RB1#14	21.25	2.12	23.37	0.217	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 2									
			RB8#0	20.62	2.12	22.74	0.188	2	PASS
			RB8#4	20.73	2.12	22.85	0.193	2	PASS
			RB8#7	20.72	2.12	22.84	0.192	2	PASS
			RB15#0	20.31	2.12	22.43	0.175	2	PASS
	MCH	QPSK	RB1#0	22.18	2.12	24.30	0.269	2	PASS
			RB1#7	22.29	2.12	24.41	0.276	2	PASS
			RB1#14	22.29	2.12	24.41	0.276	2	PASS
			RB8#0	21.33	2.12	23.45	0.221	2	PASS
			RB8#4	21.44	2.12	23.56	0.227	2	PASS
			RB8#7	21.29	2.12	23.41	0.219	2	PASS
			RB15#0	21.23	2.12	23.35	0.216	2	PASS
		16-QAM	RB1#0	21.25	2.12	23.37	0.217	2	PASS
			RB1#7	21.52	2.12	23.64	0.231	2	PASS
			RB1#14	21.28	2.12	23.40	0.219	2	PASS
			RB8#0	20.29	2.12	22.41	0.174	2	PASS
			RB8#4	20.40	2.12	22.52	0.179	2	PASS
			RB8#7	20.60	2.12	22.72	0.187	2	PASS
			RB15#0	20.21	2.12	22.33	0.171	2	PASS
	HCH	QPSK	RB1#0	22.43	2.12	24.55	0.285	2	PASS
			RB1#7	22.41	2.12	24.53	0.284	2	PASS
			RB1#14	22.37	2.12	24.49	0.281	2	PASS
			RB8#0	21.39	2.12	23.51	0.224	2	PASS
			RB8#4	21.43	2.12	23.55	0.226	2	PASS
			RB8#7	21.41	2.12	23.53	0.225	2	PASS
			RB15#0	21.35	2.12	23.47	0.222	2	PASS
		16-QAM	RB1#0	21.27	2.12	23.39	0.218	2	PASS
			RB1#7	21.40	2.12	23.52	0.225	2	PASS
			RB1#14	21.40	2.12	23.52	0.225	2	PASS
			RB8#0	20.30	2.12	22.42	0.175	2	PASS
			RB8#4	20.30	2.12	22.42	0.175	2	PASS
			RB8#7	20.30	2.12	22.42	0.175	2	PASS
			RB15#0	20.18	2.12	22.30	0.170	2	PASS
5 MHz	LCH	QPSK	RB1#0	22.06	2.12	24.18	0.262	2	PASS
			RB1#13	22.17	2.12	24.29	0.269	2	PASS
			RB1#24	21.93	2.12	24.05	0.254	2	PASS
			RB12#0	21.16	2.12	23.28	0.213	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 2									
			RB12#6	21.25	2.12	23.37	0.217	2	PASS
			RB12#13	21.19	2.12	23.31	0.214	2	PASS
			RB25#0	21.16	2.12	23.28	0.213	2	PASS
		16-QAM	RB1#0	20.61	2.12	22.73	0.187	2	PASS
			RB1#13	21.08	2.12	23.20	0.209	2	PASS
			RB1#24	20.45	2.12	22.57	0.181	2	PASS
			RB12#0	20.03	2.12	22.15	0.164	2	PASS
			RB12#6	20.18	2.12	22.30	0.170	2	PASS
			RB12#13	20.11	2.12	22.23	0.167	2	PASS
			RB25#0	20.33	2.12	22.45	0.176	2	PASS
	MCH	QPSK	RB1#0	21.89	2.12	24.01	0.252	2	PASS
			RB1#13	22.06	2.12	24.18	0.262	2	PASS
			RB1#24	21.90	2.12	24.02	0.252	2	PASS
			RB12#0	21.17	2.12	23.29	0.213	2	PASS
			RB12#6	21.24	2.12	23.36	0.217	2	PASS
			RB12#13	21.21	2.12	23.33	0.215	2	PASS
			RB25#0	21.17	2.12	23.29	0.213	2	PASS
		16-QAM	RB1#0	21.08	2.12	23.20	0.209	2	PASS
			RB1#13	21.12	2.12	23.24	0.211	2	PASS
			RB1#24	20.45	2.12	22.57	0.181	2	PASS
			RB12#0	19.99	2.12	22.11	0.163	2	PASS
			RB12#6	20.25	2.12	22.37	0.173	2	PASS
			RB12#13	20.21	2.12	22.33	0.171	2	PASS
			RB25#0	20.27	2.12	22.39	0.173	2	PASS
	HCH	QPSK	RB1#0	22.25	2.12	24.37	0.274	2	PASS
			RB1#13	22.37	2.12	24.49	0.281	2	PASS
			RB1#24	22.20	2.12	24.32	0.270	2	PASS
			RB12#0	21.32	2.12	23.44	0.221	2	PASS
			RB12#6	21.43	2.12	23.55	0.226	2	PASS
			RB12#13	21.31	2.12	23.43	0.220	2	PASS
			RB25#0	21.35	2.12	23.47	0.222	2	PASS
		16-QAM	RB1#0	21.52	2.12	23.64	0.231	2	PASS
			RB1#13	21.48	2.12	23.60	0.229	2	PASS
			RB1#24	21.09	2.12	23.21	0.209	2	PASS
			RB12#0	20.21	2.12	22.33	0.171	2	PASS
			RB12#6	20.39	2.12	22.51	0.178	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 2									
10 MHz			RB12#13	20.32	2.12	22.44	0.175	2	PASS
			RB25#0	20.33	2.12	22.45	0.176	2	PASS
	LCH	QPSK	RB1#0	22.14	2.12	24.26	0.267	2	PASS
			RB1#25	22.23	2.12	24.35	0.272	2	PASS
			RB1#49	22.14	2.12	24.26	0.267	2	PASS
			RB25#0	21.33	2.12	23.45	0.221	2	PASS
			RB25#13	21.30	2.12	23.42	0.220	2	PASS
			RB25#25	21.21	2.12	23.33	0.215	2	PASS
			RB50#0	21.28	2.12	23.40	0.219	2	PASS
		16-QAM	RB1#0	21.33	2.12	23.45	0.221	2	PASS
			RB1#25	21.58	2.12	23.70	0.234	2	PASS
			RB1#49	21.18	2.12	23.30	0.214	2	PASS
			RB25#0	20.33	2.12	22.45	0.176	2	PASS
			RB25#13	20.28	2.12	22.40	0.174	2	PASS
			RB25#25	20.20	2.12	22.32	0.171	2	PASS
			RB50#0	20.24	2.12	22.36	0.172	2	PASS
	MCH	QPSK	RB1#0	22.14	2.12	24.26	0.267	2	PASS
			RB1#25	22.68	2.12	24.80	0.302	2	PASS
			RB1#49	22.28	2.12	24.40	0.275	2	PASS
			RB25#0	21.28	2.12	23.40	0.219	2	PASS
			RB25#13	21.33	2.12	23.45	0.221	2	PASS
			RB25#25	21.22	2.12	23.34	0.216	2	PASS
			RB50#0	21.25	2.12	23.37	0.217	2	PASS
		16-QAM	RB1#0	21.34	2.12	23.46	0.222	2	PASS
			RB1#25	21.33	2.12	23.45	0.221	2	PASS
			RB1#49	21.39	2.12	23.51	0.224	2	PASS
			RB25#0	20.29	2.12	22.41	0.174	2	PASS
			RB25#13	20.5	2.12	22.62	0.183	2	PASS
			RB25#25	20.42	2.12	22.54	0.179	2	PASS
			RB50#0	20.33	2.12	22.45	0.176	2	PASS
	HCH	QPSK	RB1#0	22.31	2.12	24.43	0.277	2	PASS
			RB1#25	22.67	2.12	24.79	0.301	2	PASS
			RB1#49	22.02	2.12	24.14	0.259	2	PASS
			RB25#0	21.38	2.12	23.50	0.224	2	PASS
			RB25#13	21.45	2.12	23.57	0.228	2	PASS
			RB25#25	21.41	2.12	23.53	0.225	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 2									
		16-QAM	RB50#0	21.46	2.12	23.58	0.228	2	PASS
			RB1#0	21.65	2.12	23.77	0.238	2	PASS
			RB1#25	21.51	2.12	23.63	0.231	2	PASS
			RB1#49	21.06	2.12	23.18	0.208	2	PASS
			RB25#0	20.39	2.12	22.51	0.178	2	PASS
			RB25#13	20.59	2.12	22.71	0.187	2	PASS
			RB25#25	20.46	2.12	22.58	0.181	2	PASS
			RB50#0	20.31	2.12	22.43	0.175	2	PASS
15 MHz	LCH	QPSK	RB1#0	22.19	2.12	24.31	0.270	2	PASS
			RB1#38	22.04	2.12	24.16	0.261	2	PASS
			RB1#74	21.85	2.12	23.97	0.249	2	PASS
			RB36#0	21.31	2.12	23.43	0.220	2	PASS
			RB36#19	21.30	2.12	23.42	0.220	2	PASS
			RB36#39	21.20	2.12	23.32	0.215	2	PASS
			RB75#0	21.29	2.12	23.41	0.219	2	PASS
		16-QAM	RB1#0	21.29	2.12	23.41	0.219	2	PASS
			RB1#38	21.43	2.12	23.55	0.226	2	PASS
			RB1#74	21.16	2.12	23.28	0.213	2	PASS
			RB36#0	20.29	2.12	22.41	0.174	2	PASS
			RB36#19	20.17	2.12	22.29	0.169	2	PASS
			RB36#39	20.15	2.12	22.27	0.169	2	PASS
			RB75#0	20.34	2.12	22.46	0.176	2	PASS
	MCH	QPSK	RB1#0	21.82	2.12	23.94	0.248	2	PASS
			RB1#38	22.39	2.12	24.51	0.282	2	PASS
			RB1#74	22.08	2.12	24.20	0.263	2	PASS
			RB36#0	21.27	2.12	23.39	0.218	2	PASS
			RB36#19	21.30	2.12	23.42	0.220	2	PASS
			RB36#39	21.26	2.12	23.38	0.218	2	PASS
			RB75#0	21.27	2.12	23.39	0.218	2	PASS
		16-QAM	RB1#0	21.45	2.12	23.57	0.228	2	PASS
			RB1#38	21.35	2.12	23.47	0.222	2	PASS
			RB1#74	20.97	2.12	23.09	0.204	2	PASS
			RB36#0	20.30	2.12	22.42	0.175	2	PASS
			RB36#19	20.40	2.12	22.52	0.179	2	PASS
			RB36#39	20.34	2.12	22.46	0.176	2	PASS
			RB75#0	20.14	2.12	22.26	0.168	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 2									
	HCH	QPSK	RB1#0	22.29	2.12	24.41	0.276	2	PASS
			RB1#38	22.34	2.12	24.46	0.279	2	PASS
			RB1#74	21.55	2.12	23.67	0.233	2	PASS
			RB36#0	21.39	2.12	23.51	0.224	2	PASS
			RB36#19	21.45	2.12	23.57	0.228	2	PASS
			RB36#39	21.41	2.12	23.53	0.225	2	PASS
			RB75#0	21.45	2.12	23.57	0.228	2	PASS
		16-QAM	RB1#0	21.62	2.12	23.74	0.237	2	PASS
			RB1#38	21.64	2.12	23.76	0.238	2	PASS
			RB1#74	21.94	2.12	24.06	0.255	2	PASS
			RB36#0	20.33	2.12	22.45	0.176	2	PASS
			RB36#19	20.28	2.12	22.40	0.174	2	PASS
			RB36#39	20.37	2.12	22.49	0.177	2	PASS
			RB75#0	20.43	2.12	22.55	0.180	2	PASS
20 MHz	LCH	QPSK	RB1#0	22.23	2.12	24.35	0.272	2	PASS
			RB1#50	22.18	2.12	24.30	0.269	2	PASS
			RB1#99	21.74	2.12	23.86	0.243	2	PASS
			RB50#0	21.30	2.12	23.42	0.220	2	PASS
			RB50#25	21.26	2.12	23.38	0.218	2	PASS
			RB50#50	21.33	2.12	23.45	0.221	2	PASS
			RB100#0	21.40	2.12	23.52	0.225	2	PASS
		16-QAM	RB1#0	21.34	2.12	23.46	0.222	2	PASS
			RB1#50	21.56	2.12	23.68	0.233	2	PASS
			RB1#99	20.84	2.12	22.96	0.198	2	PASS
			RB50#0	20.46	2.12	22.58	0.181	2	PASS
			RB50#25	20.24	2.12	22.36	0.172	2	PASS
			RB50#50	20.41	2.12	22.53	0.179	2	PASS
			RB100#0	20.41	2.12	22.53	0.179	2	PASS
	MCH	QPSK	RB1#0	21.58	2.12	23.70	0.234	2	PASS
			RB1#50	22.59	2.12	24.71	0.296	2	PASS
			RB1#99	22.54	2.12	24.66	0.292	2	PASS
			RB50#0	21.25	2.12	23.37	0.217	2	PASS
			RB50#25	21.34	2.12	23.46	0.222	2	PASS
			RB50#50	21.36	2.12	23.48	0.223	2	PASS
			RB100#0	21.26	2.12	23.38	0.218	2	PASS
		16-QAM	RB1#0	21.64	2.12	23.76	0.238	2	PASS

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FDD LTE Band 2									
			RB1#50	21.32	2.12	23.44	0.221	2	PASS
			RB1#99	21.08	2.12	23.20	0.209	2	PASS
			RB50#0	20.21	2.12	22.33	0.171	2	PASS
			RB50#25	20.28	2.12	22.40	0.174	2	PASS
			RB50#50	20.39	2.12	22.51	0.178	2	PASS
			RB100#0	20.13	2.12	22.25	0.168	2	PASS
	HCH	QPSK	RB1#0	22.16	2.12	24.28	0.268	2	PASS
			RB1#50	22.22	2.12	24.34	0.272	2	PASS
			RB1#99	21.59	2.12	23.71	0.235	2	PASS
			RB50#0	21.42	2.12	23.54	0.226	2	PASS
			RB50#25	21.44	2.12	23.56	0.227	2	PASS
			RB50#50	21.40	2.12	23.52	0.225	2	PASS
			RB100#0	21.46	2.12	23.58	0.228	2	PASS
		16-QAM	RB1#0	21.13	2.12	23.25	0.211	2	PASS
			RB1#50	21.01	2.12	23.13	0.206	2	PASS
			RB1#99	20.98	2.12	23.10	0.204	2	PASS
			RB50#0	20.39	2.12	22.51	0.178	2	PASS
			RB50#25	20.11	2.12	22.23	0.167	2	PASS
			RB50#50	20.28	2.12	22.40	0.174	2	PASS
			RB100#0	20.44	2.12	22.56	0.180	2	PASS

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 4									
1.4 MHz	LCH	QPSK	RB1#0	21.98	2.95	24.93	0.311	1	PASS
			RB1#3	21.91	2.95	24.86	0.306	1	PASS
			RB1#5	21.92	2.95	24.87	0.307	1	PASS
			RB3#0	21.90	2.95	24.85	0.305	1	PASS
			RB3#2	21.89	2.95	24.84	0.305	1	PASS
			RB3#3	21.96	2.95	24.91	0.310	1	PASS
			RB6#0	20.77	2.95	23.72	0.236	1	PASS
		16-QAM	RB1#0	20.81	2.95	23.76	0.238	1	PASS
			RB1#3	20.71	2.95	23.66	0.232	1	PASS
			RB1#5	20.80	2.95	23.75	0.237	1	PASS
			RB3#0	20.48	2.95	23.43	0.220	1	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 4									
	MCH		RB3#2	20.59	2.95	23.54	0.226	1	PASS
			RB3#3	20.58	2.95	23.53	0.225	1	PASS
			RB6#0	19.50	2.95	22.45	0.176	1	PASS
		QPSK	RB1#0	21.76	2.95	24.71	0.296	1	PASS
			RB1#3	21.94	2.95	24.89	0.308	1	PASS
			RB1#5	21.73	2.95	24.68	0.294	1	PASS
			RB3#0	21.86	2.95	24.81	0.303	1	PASS
			RB3#2	22.12	2.95	25.07	0.321	1	PASS
			RB3#3	21.94	2.95	24.89	0.308	1	PASS
			RB6#0	21.03	2.95	23.98	0.250	1	PASS
		16-QAM	RB1#0	21.11	2.95	24.06	0.255	1	PASS
			RB1#3	21.03	2.95	23.98	0.250	1	PASS
			RB1#5	21.01	2.95	23.96	0.249	1	PASS
			RB3#0	20.68	2.95	23.63	0.231	1	PASS
			RB3#2	20.69	2.95	23.64	0.231	1	PASS
			RB3#3	20.71	2.95	23.66	0.232	1	PASS
			RB6#0	19.63	2.95	22.58	0.181	1	PASS
	HCH	QPSK	RB1#0	21.83	2.95	24.78	0.301	1	PASS
			RB1#3	21.90	2.95	24.85	0.305	1	PASS
			RB1#5	21.83	2.95	24.78	0.301	1	PASS
			RB3#0	21.82	2.95	24.77	0.300	1	PASS
			RB3#2	21.92	2.95	24.87	0.307	1	PASS
			RB3#3	21.87	2.95	24.82	0.303	1	PASS
			RB6#0	20.93	2.95	23.88	0.244	1	PASS
		16-QAM	RB1#0	21.02	2.95	23.97	0.249	1	PASS
			RB1#3	21.06	2.95	24.01	0.252	1	PASS
			RB1#5	21.05	2.95	24.00	0.251	1	PASS
			RB3#0	21.11	2.95	24.06	0.255	1	PASS
			RB3#2	21.30	2.95	24.25	0.266	1	PASS
			RB3#3	21.17	2.95	24.12	0.258	1	PASS
			RB6#0	19.96	2.95	22.91	0.195	1	PASS
3 MHz	LCH	QPSK	RB1#0	22.15	2.95	25.10	0.324	1	PASS
			RB1#7	21.86	2.95	24.81	0.303	1	PASS
			RB1#14	21.73	2.95	24.68	0.294	1	PASS
			RB8#0	20.84	2.95	23.79	0.239	1	PASS
			RB8#4	20.9	2.95	23.85	0.243	1	PASS

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FDD LTE Band 4									
			RB8#7	21.00	2.95	23.95	0.248	1	PASS
			RB15#0	20.89	2.95	23.84	0.242	1	PASS
		16-QAM	RB1#0	20.86	2.95	23.81	0.240	1	PASS
			RB1#7	20.76	2.95	23.71	0.235	1	PASS
			RB1#14	20.87	2.95	23.82	0.241	1	PASS
			RB8#0	19.59	2.95	22.54	0.179	1	PASS
			RB8#4	19.60	2.95	22.55	0.180	1	PASS
			RB8#7	19.50	2.95	22.45	0.176	1	PASS
			RB15#0	19.81	2.95	22.76	0.189	1	PASS
	MCH	QPSK	RB1#0	21.97	2.95	24.92	0.310	1	PASS
			RB1#7	21.85	2.95	24.80	0.302	1	PASS
			RB1#14	21.95	2.95	24.90	0.309	1	PASS
			RB8#0	21.10	2.95	24.05	0.254	1	PASS
			RB8#4	21.10	2.95	24.05	0.254	1	PASS
			RB8#7	21.09	2.95	24.04	0.254	1	PASS
			RB15#0	21.13	2.95	24.08	0.256	1	PASS
		16-QAM	RB1#0	21.11	2.95	24.06	0.255	1	PASS
			RB1#7	21.03	2.95	23.98	0.250	1	PASS
			RB1#14	21.18	2.95	24.13	0.259	1	PASS
			RB8#0	20.22	2.95	23.17	0.207	1	PASS
			RB8#4	20.23	2.95	23.18	0.208	1	PASS
			RB8#7	20.19	2.95	23.14	0.206	1	PASS
			RB15#0	20.27	2.95	23.22	0.210	1	PASS
	HCH	QPSK	RB1#0	21.89	2.95	24.84	0.305	1	PASS
			RB1#7	21.87	2.95	24.82	0.303	1	PASS
			RB1#14	21.89	2.95	24.84	0.305	1	PASS
			RB8#0	21.01	2.95	23.96	0.249	1	PASS
			RB8#4	21.04	2.95	23.99	0.251	1	PASS
			RB8#7	21.13	2.95	24.08	0.256	1	PASS
			RB15#0	21.06	2.95	24.01	0.252	1	PASS
		16-QAM	RB1#0	21.09	2.95	24.04	0.254	1	PASS
			RB1#7	20.99	2.95	23.94	0.248	1	PASS
			RB1#14	20.98	2.95	23.93	0.247	1	PASS
			RB8#0	19.94	2.95	22.89	0.195	1	PASS
			RB8#4	19.89	2.95	22.84	0.192	1	PASS
			RB8#7	19.88	2.95	22.83	0.192	1	PASS

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FDD LTE Band 4									
5 MHz	LCH	QPSK	RB15#0	19.83	2.95	22.78	0.190	1	PASS
			RB1#0	21.74	2.95	24.69	0.294	1	PASS
			RB1#13	21.77	2.95	24.72	0.296	1	PASS
			RB1#24	21.74	2.95	24.69	0.294	1	PASS
			RB12#0	20.88	2.95	23.83	0.242	1	PASS
			RB12#6	20.91	2.95	23.86	0.243	1	PASS
			RB12#13	20.94	2.95	23.89	0.245	1	PASS
			RB25#0	20.90	2.95	23.85	0.243	1	PASS
		16-QAM	RB1#0	20.83	2.95	23.78	0.239	1	PASS
			RB1#13	20.90	2.95	23.85	0.243	1	PASS
			RB1#24	20.80	2.95	23.75	0.237	1	PASS
			RB12#0	19.72	2.95	22.67	0.185	1	PASS
			RB12#6	19.97	2.95	22.92	0.196	1	PASS
			RB12#13	19.92	2.95	22.87	0.194	1	PASS
			RB25#0	20.02	2.95	22.97	0.198	1	PASS
	MCH	QPSK	RB1#0	21.69	2.95	24.64	0.291	1	PASS
			RB1#13	21.83	2.95	24.78	0.301	1	PASS
			RB1#24	21.54	2.95	24.49	0.281	1	PASS
			RB12#0	21.12	2.95	24.07	0.255	1	PASS
			RB12#6	21.09	2.95	24.04	0.254	1	PASS
			RB12#13	21.04	2.95	23.99	0.251	1	PASS
			RB25#0	21.01	2.95	23.96	0.249	1	PASS
		16-QAM	RB1#0	20.81	2.95	23.76	0.238	1	PASS
			RB1#13	20.93	2.95	23.88	0.244	1	PASS
			RB1#24	20.46	2.95	23.41	0.219	1	PASS
			RB12#0	20.20	2.95	23.15	0.207	1	PASS
			RB12#6	20.07	2.95	23.02	0.200	1	PASS
			RB12#13	20.05	2.95	23.00	0.200	1	PASS
			RB25#0	20.31	2.95	23.26	0.212	1	PASS
	HCH	QPSK	RB1#0	21.86	2.95	24.81	0.303	1	PASS
			RB1#13	22.12	2.95	25.07	0.321	1	PASS
			RB1#24	21.90	2.95	24.85	0.305	1	PASS
			RB12#0	21.20	2.95	24.15	0.260	1	PASS
			RB12#6	21.18	2.95	24.13	0.259	1	PASS
			RB12#13	21.16	2.95	24.11	0.258	1	PASS
			RB25#0	21.17	2.95	24.12	0.258	1	PASS

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FDD LTE Band 4									
		16-QAM	RB1#0	20.92	2.95	23.87	0.244	1	PASS
			RB1#13	21.28	2.95	24.23	0.265	1	PASS
			RB1#24	20.66	2.95	23.61	0.230	1	PASS
			RB12#0	19.96	2.95	22.91	0.195	1	PASS
			RB12#6	19.90	2.95	22.85	0.193	1	PASS
			RB12#13	20.04	2.95	22.99	0.199	1	PASS
			RB25#0	20.05	2.95	23.00	0.200	1	PASS
10 MHz	LCH	QPSK	RB1#0	21.97	2.95	24.92	0.310	1	PASS
			RB1#25	22.21	2.95	25.16	0.328	1	PASS
			RB1#49	21.91	2.95	24.86	0.306	1	PASS
			RB25#0	20.87	2.95	23.82	0.241	1	PASS
			RB25#13	21.03	2.95	23.98	0.250	1	PASS
			RB25#25	21.01	2.95	23.96	0.249	1	PASS
			RB50#0	21.04	2.95	23.99	0.251	1	PASS
		16-QAM	RB1#0	20.84	2.95	23.79	0.239	1	PASS
			RB1#25	21.76	2.95	24.71	0.296	1	PASS
			RB1#49	20.80	2.95	23.75	0.237	1	PASS
			RB25#0	19.95	2.95	22.90	0.195	1	PASS
			RB25#13	19.93	2.95	22.88	0.194	1	PASS
			RB25#25	19.90	2.95	22.85	0.193	1	PASS
			RB50#0	20.00	2.95	22.95	0.197	1	PASS
	MCH	QPSK	RB1#0	21.90	2.95	24.85	0.305	1	PASS
			RB1#25	22.35	2.95	25.30	0.339	1	PASS
			RB1#49	21.70	2.95	24.65	0.292	1	PASS
			RB25#0	21.14	2.95	24.09	0.256	1	PASS
			RB25#13	21.06	2.95	24.01	0.252	1	PASS
			RB25#25	21.05	2.95	24.00	0.251	1	PASS
			RB50#0	21.11	2.95	24.06	0.255	1	PASS
		16-QAM	RB1#0	21.11	2.95	24.06	0.255	1	PASS
			RB1#25	21.24	2.95	24.19	0.262	1	PASS
			RB1#49	20.42	2.95	23.37	0.217	1	PASS
			RB25#0	20.39	2.95	23.34	0.216	1	PASS
			RB25#13	20.30	2.95	23.25	0.211	1	PASS
			RB25#25	20.06	2.95	23.01	0.200	1	PASS
			RB50#0	20.03	2.95	22.98	0.199	1	PASS
	HCH	QPSK	RB1#0	22.09	2.95	25.04	0.319	1	PASS

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FDD LTE Band 4									
			RB1#25	22.55	2.95	25.50	0.355	1	PASS
			RB1#49	22.12	2.95	25.07	0.321	1	PASS
			RB25#0	21.18	2.95	24.13	0.259	1	PASS
			RB25#13	21.27	2.95	24.22	0.264	1	PASS
			RB25#25	21.23	2.95	24.18	0.262	1	PASS
			RB50#0	21.24	2.95	24.19	0.262	1	PASS
		16-QAM	RB1#0	21.38	2.95	24.33	0.271	1	PASS
			RB1#25	21.21	2.95	24.16	0.261	1	PASS
			RB1#49	21.21	2.95	24.16	0.261	1	PASS
			RB25#0	20.28	2.95	23.23	0.210	1	PASS
			RB25#13	20.28	2.95	23.23	0.210	1	PASS
			RB25#25	20.30	2.95	23.25	0.211	1	PASS
			RB50#0	20.29	2.95	23.24	0.211	1	PASS
15 MHz	LCH	QPSK	RB1#0	21.77	2.95	24.72	0.296	1	PASS
			RB1#38	21.95	2.95	24.90	0.309	1	PASS
			RB1#74	21.92	2.95	24.87	0.307	1	PASS
			RB36#0	21.06	2.95	24.01	0.252	1	PASS
			RB36#19	21.04	2.95	23.99	0.251	1	PASS
			RB36#39	21.05	2.95	24.00	0.251	1	PASS
			RB75#0	21.02	2.95	23.97	0.249	1	PASS
		16-QAM	RB1#0	20.82	2.95	23.77	0.238	1	PASS
			RB1#38	21.52	2.95	24.47	0.280	1	PASS
			RB1#74	20.96	2.95	23.91	0.246	1	PASS
			RB36#0	19.85	2.95	22.80	0.191	1	PASS
			RB36#19	19.96	2.95	22.91	0.195	1	PASS
			RB36#39	19.94	2.95	22.89	0.195	1	PASS
			RB75#0	20.01	2.95	22.96	0.198	1	PASS
	MCH	QPSK	RB1#0	21.87	2.95	24.82	0.303	1	PASS
			RB1#38	22.04	2.95	24.99	0.316	1	PASS
			RB1#74	21.76	2.95	24.71	0.296	1	PASS
			RB36#0	21.22	2.95	24.17	0.261	1	PASS
			RB36#19	21.14	2.95	24.09	0.256	1	PASS
			RB36#39	20.98	2.95	23.93	0.247	1	PASS
			RB75#0	21.12	2.95	24.07	0.255	1	PASS
		16-QAM	RB1#0	20.8	2.95	23.75	0.237	1	PASS
			RB1#38	21.08	2.95	24.03	0.253	1	PASS

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FDD LTE Band 4									
			RB1#74	20.36	2.95	23.31	0.214	1	PASS
			RB36#0	20.21	2.95	23.16	0.207	1	PASS
			RB36#19	20.10	2.95	23.05	0.202	1	PASS
			RB36#39	20.09	2.95	23.04	0.201	1	PASS
			RB75#0	20.14	2.95	23.09	0.204	1	PASS
	HCH	QPSK	RB1#0	21.96	2.95	24.91	0.310	1	PASS
			RB1#38	22.11	2.95	25.06	0.321	1	PASS
			RB1#74	21.88	2.95	24.83	0.304	1	PASS
			RB36#0	21.12	2.95	24.07	0.255	1	PASS
			RB36#19	21.12	2.95	24.07	0.255	1	PASS
			RB36#39	21.12	2.95	24.07	0.255	1	PASS
			RB75#0	21.20	2.95	24.15	0.260	1	PASS
		16-QAM	RB1#0	21.75	2.95	24.70	0.295	1	PASS
			RB1#38	22.13	2.95	25.08	0.322	1	PASS
			RB1#74	21.77	2.95	24.72	0.296	1	PASS
			RB36#0	20.09	2.95	23.04	0.201	1	PASS
			RB36#19	20.11	2.95	23.06	0.202	1	PASS
			RB36#39	20.01	2.95	22.96	0.198	1	PASS
			RB75#0	20.05	2.95	23.00	0.200	1	PASS
20 MHz	LCH	QPSK	RB1#0	21.66	2.95	24.61	0.289	1	PASS
			RB1#50	22.12	2.95	25.07	0.321	1	PASS
			RB1#99	21.77	2.95	24.72	0.296	1	PASS
			RB50#0	21.00	2.95	23.95	0.248	1	PASS
			RB50#25	21.05	2.95	24.00	0.251	1	PASS
			RB50#50	21.07	2.95	24.02	0.252	1	PASS
			RB100#0	20.97	2.95	23.92	0.247	1	PASS
		16-QAM	RB1#0	20.89	2.95	23.84	0.242	1	PASS
			RB1#50	21.27	2.95	24.22	0.264	1	PASS
			RB1#99	20.83	2.95	23.78	0.239	1	PASS
			RB50#0	19.82	2.95	22.77	0.189	1	PASS
			RB50#25	20.16	2.95	23.11	0.205	1	PASS
			RB50#50	20.21	2.95	23.16	0.207	1	PASS
			RB100#0	20.02	2.95	22.97	0.198	1	PASS
	MCH	QPSK	RB1#0	22.11	2.95	25.06	0.321	1	PASS
			RB1#50	22.38	2.95	25.33	0.341	1	PASS
			RB1#99	22.08	2.95	25.03	0.318	1	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 4									
			RB50#0	21.14	2.95	24.09	0.256	1	PASS
			RB50#25	21.12	2.95	24.07	0.255	1	PASS
			RB50#50	21.02	2.95	23.97	0.249	1	PASS
			RB100#0	21.13	2.95	24.08	0.256	1	PASS
		16-QAM	RB1#0	21.43	2.95	24.38	0.274	1	PASS
			RB1#50	21.46	2.95	24.41	0.276	1	PASS
			RB1#99	20.14	2.95	23.09	0.204	1	PASS
			RB50#0	20.17	2.95	23.12	0.205	1	PASS
			RB50#25	20.20	2.95	23.15	0.207	1	PASS
			RB50#50	19.95	2.95	22.90	0.195	1	PASS
			RB100#0	20.16	2.95	23.11	0.205	1	PASS
	HCH	QPSK	RB1#0	22.08	2.95	25.03	0.318	1	PASS
			RB1#50	21.99	2.95	24.94	0.312	1	PASS
			RB1#99	21.85	2.95	24.80	0.302	1	PASS
			RB50#0	21.14	2.95	24.09	0.256	1	PASS
			RB50#25	21.11	2.95	24.06	0.255	1	PASS
			RB50#50	21.10	2.95	24.05	0.254	1	PASS
			RB100#0	21.16	2.95	24.11	0.258	1	PASS
		16-QAM	RB1#0	20.92	2.95	23.87	0.244	1	PASS
			RB1#50	20.77	2.95	23.72	0.236	1	PASS
			RB1#99	20.74	2.95	23.69	0.234	1	PASS
			RB50#0	20.12	2.95	23.07	0.203	1	PASS
			RB50#25	20.10	2.95	23.05	0.202	1	PASS
			RB50#50	19.96	2.95	22.91	0.195	1	PASS
			RB100#0	20.19	2.95	23.14	0.206	1	PASS

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
FDD LTE Band 5									
1.4 MHz	LCH	QPSK	RB1#0	22.36	0.64	20.85	0.122	7	PASS
			RB1#3	22.30	0.64	20.79	0.120	7	PASS
			RB1#5	22.33	0.64	20.82	0.121	7	PASS
			RB3#0	22.35	0.64	20.84	0.121	7	PASS
			RB3#2	22.44	0.64	20.93	0.124	7	PASS
			RB3#3	22.42	0.64	20.91	0.123	7	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
FDD LTE Band 5									
		16-QAM	RB6#0	21.30	0.64	19.79	0.095	7	PASS
			RB1#0	21.43	0.64	19.92	0.098	7	PASS
			RB1#3	21.39	0.64	19.88	0.097	7	PASS
			RB1#5	21.15	0.64	19.64	0.092	7	PASS
			RB3#0	21.25	0.64	19.74	0.094	7	PASS
			RB3#2	20.88	0.64	19.37	0.086	7	PASS
			RB3#3	21.04	0.64	19.53	0.090	7	PASS
			RB6#0	19.92	0.64	18.41	0.069	7	PASS
	MCH	QPSK	RB1#0	22.21	0.64	20.70	0.117	7	PASS
			RB1#3	22.30	0.64	20.79	0.120	7	PASS
			RB1#5	22.34	0.64	20.83	0.121	7	PASS
			RB3#0	22.26	0.64	20.75	0.119	7	PASS
			RB3#2	22.35	0.64	20.84	0.121	7	PASS
			RB3#3	22.31	0.64	20.80	0.120	7	PASS
			RB6#0	21.52	0.64	20.01	0.100	7	PASS
		16-QAM	RB1#0	21.03	0.64	19.52	0.090	7	PASS
			RB1#3	20.99	0.64	19.48	0.089	7	PASS
			RB1#5	21.00	0.64	19.49	0.089	7	PASS
			RB3#0	20.88	0.64	19.37	0.086	7	PASS
			RB3#2	20.72	0.64	19.21	0.083	7	PASS
			RB3#3	20.68	0.64	19.17	0.083	7	PASS
			RB6#0	20.00	0.64	18.49	0.071	7	PASS
	HCH	QPSK	RB1#0	22.27	0.64	20.76	0.119	7	PASS
			RB1#3	22.37	0.64	20.86	0.122	7	PASS
			RB1#5	22.26	0.64	20.75	0.119	7	PASS
			RB3#0	22.35	0.64	20.84	0.121	7	PASS
			RB3#2	22.34	0.64	20.83	0.121	7	PASS
			RB3#3	22.30	0.64	20.79	0.120	7	PASS
			RB6#0	21.40	0.64	19.89	0.097	7	PASS
		16-QAM	RB1#0	21.38	0.64	19.87	0.097	7	PASS
			RB1#3	21.42	0.64	19.91	0.098	7	PASS
			RB1#5	21.37	0.64	19.86	0.097	7	PASS
			RB3#0	21.08	0.64	19.57	0.091	7	PASS
			RB3#2	21.09	0.64	19.58	0.091	7	PASS
			RB3#3	21.04	0.64	19.53	0.090	7	PASS
			RB6#0	20.23	0.64	18.72	0.074	7	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
FDD LTE Band 5									
3 MHz	LCH	QPSK	RB1#0	22.26	0.64	20.75	0.119	7	PASS
			RB1#7	22.29	0.64	20.78	0.120	7	PASS
			RB1#14	22.22	0.64	20.71	0.118	7	PASS
			RB8#0	21.34	0.64	19.83	0.096	7	PASS
			RB8#4	21.37	0.64	19.86	0.097	7	PASS
			RB8#7	21.32	0.64	19.81	0.096	7	PASS
			RB15#0	21.30	0.64	19.79	0.095	7	PASS
		16-QAM	RB1#0	21.37	0.64	19.86	0.097	7	PASS
			RB1#7	21.38	0.64	19.87	0.097	7	PASS
			RB1#14	21.27	0.64	19.76	0.095	7	PASS
			RB8#0	20.30	0.64	18.79	0.076	7	PASS
			RB8#4	20.31	0.64	18.80	0.076	7	PASS
			RB8#7	20.40	0.64	18.89	0.077	7	PASS
			RB15#0	20.25	0.64	18.74	0.075	7	PASS
	MCH	QPSK	RB1#0	22.29	0.64	20.78	0.120	7	PASS
			RB1#7	22.23	0.64	20.72	0.118	7	PASS
			RB1#14	22.33	0.64	20.82	0.121	7	PASS
			RB8#0	21.43	0.64	19.92	0.098	7	PASS
			RB8#4	21.29	0.64	19.78	0.095	7	PASS
			RB8#7	21.35	0.64	19.84	0.096	7	PASS
			RB15#0	21.39	0.64	19.88	0.097	7	PASS
		16-QAM	RB1#0	21.36	0.64	19.85	0.097	7	PASS
			RB1#7	21.34	0.64	19.83	0.096	7	PASS
			RB1#14	21.04	0.64	19.53	0.090	7	PASS
			RB8#0	20.29	0.64	18.78	0.076	7	PASS
			RB8#4	20.34	0.64	18.83	0.076	7	PASS
			RB8#7	20.39	0.64	18.88	0.077	7	PASS
			RB15#0	20.37	0.64	18.86	0.077	7	PASS
	HCH	QPSK	RB1#0	22.29	0.64	20.78	0.120	7	PASS
			RB1#7	22.26	0.64	20.75	0.119	7	PASS
			RB1#14	22.27	0.64	20.76	0.119	7	PASS
			RB8#0	21.43	0.64	19.92	0.098	7	PASS
			RB8#4	21.42	0.64	19.91	0.098	7	PASS
			RB8#7	21.39	0.64	19.88	0.097	7	PASS
			RB15#0	21.40	0.64	19.89	0.097	7	PASS
		16-QAM	RB1#0	21.46	0.64	19.95	0.099	7	PASS

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FDD LTE Band 5									
5 MHz			RB1#7	21.32	0.64	19.81	0.096	7	PASS
			RB1#14	21.26	0.64	19.75	0.094	7	PASS
			RB8#0	20.18	0.64	18.67	0.074	7	PASS
			RB8#4	20.18	0.64	18.67	0.074	7	PASS
			RB8#7	20.19	0.64	18.68	0.074	7	PASS
			RB15#0	19.92	0.64	18.41	0.069	7	PASS
	LCH	QPSK	RB1#0	21.94	0.64	20.43	0.110	7	PASS
			RB1#13	22.12	0.64	20.61	0.115	7	PASS
			RB1#24	22.12	0.64	20.61	0.115	7	PASS
			RB12#0	21.29	0.64	19.78	0.095	7	PASS
			RB12#6	21.30	0.64	19.79	0.095	7	PASS
			RB12#13	21.24	0.64	19.73	0.094	7	PASS
			RB25#0	21.27	0.64	19.76	0.095	7	PASS
		16-QAM	RB1#0	21.27	0.64	19.76	0.095	7	PASS
			RB1#13	21.26	0.64	19.75	0.094	7	PASS
			RB1#24	20.76	0.64	19.25	0.084	7	PASS
			RB12#0	20.23	0.64	18.72	0.074	7	PASS
			RB12#6	20.33	0.64	18.82	0.076	7	PASS
			RB12#13	20.27	0.64	18.76	0.075	7	PASS
			RB25#0	20.34	0.64	18.83	0.076	7	PASS
	MCH	QPSK	RB1#0	22.04	0.64	20.53	0.113	7	PASS
			RB1#13	22.04	0.64	20.53	0.113	7	PASS
			RB1#24	21.86	0.64	20.35	0.108	7	PASS
			RB12#0	21.38	0.64	19.87	0.097	7	PASS
			RB12#6	21.35	0.64	19.84	0.096	7	PASS
			RB12#13	21.31	0.64	19.80	0.095	7	PASS
			RB25#0	21.41	0.64	19.90	0.098	7	PASS
		16-QAM	RB1#0	21.29	0.64	19.78	0.095	7	PASS
			RB1#13	21.38	0.64	19.87	0.097	7	PASS
			RB1#24	20.78	0.64	19.27	0.085	7	PASS
			RB12#0	20.07	0.64	18.56	0.072	7	PASS
			RB12#6	20.15	0.64	18.64	0.073	7	PASS
			RB12#13	20.09	0.64	18.58	0.072	7	PASS
			RB25#0	20.42	0.64	18.91	0.078	7	PASS
	HCH	QPSK	RB1#0	22.27	0.64	20.76	0.119	7	PASS
			RB1#13	22.14	0.64	20.63	0.116	7	PASS

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FDD LTE Band 5									
			RB1#24	22.25	0.64	20.74	0.119	7	PASS
			RB12#0	21.36	0.64	19.85	0.097	7	PASS
			RB12#6	21.44	0.64	19.93	0.098	7	PASS
			RB12#13	21.37	0.64	19.86	0.097	7	PASS
			RB25#0	21.35	0.64	19.84	0.096	7	PASS
		16-QAM	RB1#0	21.44	0.64	19.93	0.098	7	PASS
			RB1#13	21.32	0.64	19.81	0.096	7	PASS
			RB1#24	20.78	0.64	19.27	0.085	7	PASS
			RB12#0	20.10	0.64	18.59	0.072	7	PASS
			RB12#6	20.27	0.64	18.76	0.075	7	PASS
			RB12#13	20.17	0.64	18.66	0.073	7	PASS
			RB25#0	20.27	0.64	18.76	0.075	7	PASS
10 MHz	LCH	QPSK	RB1#0	22.28	0.64	20.77	0.119	7	PASS
			RB1#25	22.43	0.64	20.92	0.124	7	PASS
			RB1#49	22.25	0.64	20.74	0.119	7	PASS
			RB25#0	21.34	0.64	19.83	0.096	7	PASS
			RB25#13	21.46	0.64	19.95	0.099	7	PASS
			RB25#25	21.42	0.64	19.91	0.098	7	PASS
			RB50#0	21.41	0.64	19.90	0.098	7	PASS
		16-QAM	RB1#0	21.28	0.64	19.77	0.095	7	PASS
			RB1#25	21.67	0.64	20.16	0.104	7	PASS
			RB1#49	21.34	0.64	19.83	0.096	7	PASS
			RB25#0	20.37	0.64	18.86	0.077	7	PASS
			RB25#13	20.42	0.64	18.91	0.078	7	PASS
			RB25#25	20.38	0.64	18.87	0.077	7	PASS
			RB50#0	20.35	0.64	18.84	0.077	7	PASS
	MCH	QPSK	RB1#0	22.27	0.64	20.76	0.119	7	PASS
			RB1#25	22.77	0.64	21.26	0.134	7	PASS
			RB1#49	22.27	0.64	20.76	0.119	7	PASS
			RB25#0	21.46	0.64	19.95	0.099	7	PASS
			RB25#13	21.39	0.64	19.88	0.097	7	PASS
			RB25#25	21.31	0.64	19.80	0.095	7	PASS
			RB50#0	21.34	0.64	19.83	0.096	7	PASS
		16-QAM	RB1#0	21.45	0.64	19.94	0.099	7	PASS
			RB1#25	21.43	0.64	19.92	0.098	7	PASS
			RB1#49	20.82	0.64	19.31	0.085	7	PASS

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FDD LTE Band 5									
			RB25#0	20.42	0.64	18.91	0.078	7	PASS
			RB25#13	20.36	0.64	18.85	0.077	7	PASS
			RB25#25	20.28	0.64	18.77	0.075	7	PASS
			RB50#0	20.30	0.64	18.79	0.076	7	PASS
	HCH	QPSK	RB1#0	22.40	0.64	20.89	0.123	7	PASS
			RB1#25	22.72	0.64	21.21	0.132	7	PASS
			RB1#49	22.27	0.64	20.76	0.119	7	PASS
			RB25#0	21.35	0.64	19.84	0.096	7	PASS
			RB25#13	21.32	0.64	19.81	0.096	7	PASS
			RB25#25	21.4	0.64	19.89	0.097	7	PASS
			RB50#0	21.34	0.64	19.83	0.096	7	PASS
		16-QAM	RB1#0	21.58	0.64	20.07	0.102	7	PASS
			RB1#25	21.50	0.64	19.99	0.100	7	PASS
			RB1#49	21.51	0.64	20.00	0.100	7	PASS
			RB25#0	20.37	0.64	18.86	0.077	7	PASS
			RB25#13	20.38	0.64	18.87	0.077	7	PASS
			RB25#25	20.41	0.64	18.90	0.078	7	PASS
			RB50#0	20.34	0.64	18.83	0.076	7	PASS

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 7									
5 MHz	LCH	QPSK	RB1#0	21.84	2.90	24.74	0.298	2	PASS
			RB1#13	21.53	2.90	24.43	0.277	2	PASS
			RB1#24	21.41	2.90	24.31	0.270	2	PASS
			RB12#0	20.58	2.90	23.48	0.223	2	PASS
			RB12#6	20.59	2.90	23.49	0.223	2	PASS
			RB12#13	20.49	2.90	23.39	0.218	2	PASS
			RB25#0	20.48	2.90	23.38	0.218	2	PASS
		16-QAM	RB1#0	20.06	2.90	22.96	0.198	2	PASS
			RB1#13	20.33	2.90	23.23	0.210	2	PASS
			RB1#24	19.66	2.90	22.56	0.180	2	PASS
			RB12#0	19.68	2.90	22.58	0.181	2	PASS
			RB12#6	19.63	2.90	22.53	0.179	2	PASS
			RB12#13	19.54	2.90	22.44	0.175	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 7									
	MCH	QPSK	RB25#0	19.73	2.90	22.63	0.183	2	PASS
			RB1#0	21.53	2.90	24.43	0.277	2	PASS
			RB1#13	21.55	2.90	24.45	0.279	2	PASS
			RB1#24	21.35	2.90	24.25	0.266	2	PASS
			RB12#0	20.56	2.90	23.46	0.222	2	PASS
			RB12#6	20.59	2.90	23.49	0.223	2	PASS
			RB12#13	20.49	2.90	23.39	0.218	2	PASS
			RB25#0	20.56	2.90	23.46	0.222	2	PASS
		16-QAM	RB1#0	20.33	2.90	23.23	0.210	2	PASS
			RB1#13	20.59	2.90	23.49	0.223	2	PASS
			RB1#24	20.05	2.90	22.95	0.197	2	PASS
			RB12#0	19.77	2.90	22.67	0.185	2	PASS
			RB12#6	19.72	2.90	22.62	0.183	2	PASS
			RB12#13	19.61	2.90	22.51	0.178	2	PASS
			RB25#0	19.64	2.90	22.54	0.179	2	PASS
	HCH	QPSK	RB1#0	21.66	2.90	24.56	0.286	2	PASS
			RB1#13	21.51	2.90	24.41	0.276	2	PASS
			RB1#24	21.45	2.90	24.35	0.272	2	PASS
			RB12#0	20.41	2.90	23.31	0.214	2	PASS
			RB12#6	20.44	2.90	23.34	0.216	2	PASS
			RB12#13	20.43	2.90	23.33	0.215	2	PASS
			RB25#0	20.42	2.90	23.32	0.215	2	PASS
		16-QAM	RB1#0	20.49	2.90	23.39	0.218	2	PASS
			RB1#13	20.46	2.90	23.36	0.217	2	PASS
			RB1#24	20.19	2.90	23.09	0.204	2	PASS
			RB12#0	19.44	2.90	22.34	0.171	2	PASS
			RB12#6	19.64	2.90	22.54	0.179	2	PASS
			RB12#13	19.64	2.90	22.54	0.179	2	PASS
			RB25#0	19.36	2.90	22.26	0.168	2	PASS
10 MHz	LCH	QPSK	RB1#0	21.86	2.90	24.76	0.299	2	PASS
			RB1#25	21.58	2.90	24.48	0.281	2	PASS
			RB1#49	21.38	2.90	24.28	0.268	2	PASS
			RB25#0	20.52	2.90	23.42	0.220	2	PASS
			RB25#13	20.46	2.90	23.36	0.217	2	PASS
			RB25#25	20.46	2.90	23.36	0.217	2	PASS
			RB50#0	20.52	2.90	23.42	0.220	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
FDD LTE Band 7									
		16-QAM	RB1#0	20.57	2.90	23.47	0.222	2	PASS
			RB1#25	20.67	2.90	23.57	0.228	2	PASS
			RB1#49	20.42	2.90	23.32	0.215	2	PASS
			RB25#0	19.57	2.90	22.47	0.177	2	PASS
			RB25#13	19.52	2.90	22.42	0.175	2	PASS
			RB25#25	19.52	2.90	22.42	0.175	2	PASS
			RB50#0	19.63	2.90	22.53	0.179	2	PASS
	MCH	QPSK	RB1#0	21.59	2.90	24.49	0.281	2	PASS
			RB1#25	21.91	2.90	24.81	0.303	2	PASS
			RB1#49	21.29	2.90	24.19	0.262	2	PASS
			RB25#0	20.48	2.90	23.38	0.218	2	PASS
			RB25#13	20.51	2.90	23.41	0.219	2	PASS
			RB25#25	20.44	2.90	23.34	0.216	2	PASS
			RB50#0	20.52	2.90	23.42	0.220	2	PASS
		16-QAM	RB1#0	20.45	2.90	23.35	0.216	2	PASS
			RB1#25	20.67	2.90	23.57	0.228	2	PASS
			RB1#49	19.85	2.90	22.75	0.188	2	PASS
			RB25#0	19.85	2.90	22.75	0.188	2	PASS
			RB25#13	19.80	2.90	22.70	0.186	2	PASS
			RB25#25	19.67	2.90	22.57	0.181	2	PASS
			RB50#0	19.83	2.90	22.73	0.187	2	PASS
	HCH	QPSK	RB1#0	21.71	2.90	24.61	0.289	2	PASS
			RB1#25	21.81	2.90	24.71	0.296	2	PASS
			RB1#49	21.80	2.90	24.70	0.295	2	PASS
			RB25#0	20.46	2.90	23.36	0.217	2	PASS
			RB25#13	20.54	2.90	23.44	0.221	2	PASS
			RB25#25	20.48	2.90	23.38	0.218	2	PASS
			RB50#0	20.48	2.90	23.38	0.218	2	PASS
		16-QAM	RB1#0	20.54	2.90	23.44	0.221	2	PASS
			RB1#25	20.55	2.90	23.45	0.221	2	PASS
			RB1#49	20.47	2.90	23.37	0.217	2	PASS
			RB25#0	19.70	2.90	22.60	0.182	2	PASS
			RB25#13	19.69	2.90	22.59	0.182	2	PASS
			RB25#25	19.61	2.90	22.51	0.178	2	PASS
			RB50#0	19.57	2.90	22.47	0.177	2	PASS
15 MHz	LCH	QPSK	RB1#0	21.79	2.90	24.69	0.294	2	PASS

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FDD LTE Band 7									
			RB1#38	21.52	2.90	24.42	0.277	2	PASS
			RB1#74	21.61	2.90	24.51	0.282	2	PASS
			RB36#0	20.52	2.90	23.42	0.220	2	PASS
			RB36#19	20.44	2.90	23.34	0.216	2	PASS
			RB36#39	20.47	2.90	23.37	0.217	2	PASS
			RB75#0	20.39	2.90	23.29	0.213	2	PASS
		16-QAM	RB1#0	20.46	2.90	23.36	0.217	2	PASS
			RB1#38	20.46	2.90	23.36	0.217	2	PASS
			RB1#74	20.67	2.90	23.57	0.228	2	PASS
			RB36#0	19.38	2.90	22.28	0.169	2	PASS
			RB36#19	19.50	2.90	22.40	0.174	2	PASS
			RB36#39	19.57	2.90	22.47	0.177	2	PASS
			RB75#0	19.38	2.90	22.28	0.169	2	PASS
	MCH	QPSK	RB1#0	21.65	2.90	24.55	0.285	2	PASS
			RB1#38	21.57	2.90	24.47	0.280	2	PASS
			RB1#74	21.20	2.90	24.10	0.257	2	PASS
			RB36#0	20.40	2.90	23.30	0.214	2	PASS
			RB36#19	20.34	2.90	23.24	0.211	2	PASS
			RB36#39	20.39	2.90	23.29	0.213	2	PASS
			RB75#0	20.51	2.90	23.41	0.219	2	PASS
		16-QAM	RB1#0	20.52	2.90	23.42	0.220	2	PASS
			RB1#38	20.44	2.90	23.34	0.216	2	PASS
			RB1#74	19.70	2.90	22.60	0.182	2	PASS
			RB36#0	19.64	2.90	22.54	0.179	2	PASS
			RB36#19	19.56	2.90	22.46	0.176	2	PASS
			RB36#39	19.54	2.90	22.44	0.175	2	PASS
			RB75#0	19.63	2.90	22.53	0.179	2	PASS
	HCH	QPSK	RB1#0	21.63	2.90	24.53	0.284	2	PASS
			RB1#38	21.34	2.90	24.24	0.265	2	PASS
			RB1#74	21.32	2.90	24.22	0.264	2	PASS
			RB36#0	20.51	2.90	23.41	0.219	2	PASS
			RB36#19	20.45	2.90	23.35	0.216	2	PASS
			RB36#39	20.44	2.90	23.34	0.216	2	PASS
			RB75#0	20.52	2.90	23.42	0.220	2	PASS
		16-QAM	RB1#0	21.26	2.90	24.16	0.261	2	PASS
			RB1#38	21.73	2.90	24.63	0.290	2	PASS

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FDD LTE Band 7									
			RB1#74	21.74	2.90	24.64	0.291	2	PASS
			RB36#0	19.55	2.90	22.45	0.176	2	PASS
			RB36#19	19.59	2.90	22.49	0.177	2	PASS
			RB36#39	19.52	2.90	22.42	0.175	2	PASS
			RB75#0	19.58	2.90	22.48	0.177	2	PASS
20 MHz	LCH	QPSK	RB1#0	21.50	2.90	24.40	0.275	2	PASS
			RB1#50	21.67	2.90	24.57	0.286	2	PASS
			RB1#99	21.27	2.90	24.17	0.261	2	PASS
			RB50#0	20.44	2.90	23.34	0.216	2	PASS
			RB50#25	20.52	2.90	23.42	0.220	2	PASS
			RB50#50	20.43	2.90	23.33	0.215	2	PASS
			RB100#0	20.44	2.90	23.34	0.216	2	PASS
		16-QAM	RB1#0	20.85	2.90	23.75	0.237	2	PASS
			RB1#50	20.39	2.90	23.29	0.213	2	PASS
			RB1#99	20.30	2.90	23.20	0.209	2	PASS
			RB50#0	19.46	2.90	22.36	0.172	2	PASS
			RB50#25	19.64	2.90	22.54	0.179	2	PASS
			RB50#50	19.56	2.90	22.46	0.176	2	PASS
			RB100#0	19.47	2.90	22.37	0.173	2	PASS
	MCH	QPSK	RB1#0	21.68	2.90	24.58	0.287	2	PASS
			RB1#50	21.73	2.90	24.63	0.290	2	PASS
			RB1#99	21.41	2.90	24.31	0.270	2	PASS
			RB50#0	20.48	2.90	23.38	0.218	2	PASS
			RB50#25	20.42	2.90	23.32	0.215	2	PASS
			RB50#50	20.37	2.90	23.27	0.212	2	PASS
			RB100#0	20.44	2.90	23.34	0.216	2	PASS
		16-QAM	RB1#0	20.32	2.90	23.22	0.210	2	PASS
			RB1#50	20.72	2.90	23.62	0.230	2	PASS
			RB1#99	20.24	2.90	23.14	0.206	2	PASS
			RB50#0	19.59	2.90	22.49	0.177	2	PASS
			RB50#25	19.53	2.90	22.43	0.175	2	PASS
			RB50#50	19.46	2.90	22.36	0.172	2	PASS
			RB100#0	19.62	2.90	22.52	0.179	2	PASS
	HCH	QPSK	RB1#0	21.48	2.90	24.38	0.274	2	PASS
			RB1#50	21.55	2.90	24.45	0.279	2	PASS
			RB1#99	21.35	2.90	24.25	0.266	2	PASS

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FDD LTE Band 7									
			RB50#0	20.50	2.90	23.40	0.219	2	PASS
			RB50#25	20.56	2.90	23.46	0.222	2	PASS
			RB50#50	20.44	2.90	23.34	0.216	2	PASS
			RB100#0	20.54	2.90	23.44	0.221	2	PASS
		16-QAM	RB1#0	20.33	2.90	23.23	0.210	2	PASS
			RB1#50	20.59	2.90	23.49	0.223	2	PASS
			RB1#99	20.16	2.90	23.06	0.202	2	PASS
			RB50#0	19.37	2.90	22.27	0.169	2	PASS
			RB50#25	19.42	2.90	22.32	0.171	2	PASS
			RB50#50	19.50	2.90	22.40	0.174	2	PASS
			RB100#0	19.46	2.90	22.36	0.172	2	PASS

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
TDD LTE Band 38									
5 MHz	LCH	QPSK	RB1#0	22.24	1.64	23.88	0.244	2	PASS
			RB1#13	22.26	1.64	23.90	0.245	2	PASS
			RB1#24	22.17	1.64	23.81	0.240	2	PASS
			RB12#0	21.46	1.64	23.10	0.204	2	PASS
			RB12#6	21.39	1.64	23.03	0.201	2	PASS
			RB12#13	21.35	1.64	22.99	0.199	2	PASS
			RB25#0	21.52	1.64	23.16	0.207	2	PASS
		16-QAM	RB1#0	21.46	1.64	23.10	0.204	2	PASS
			RB1#13	21.21	1.64	22.85	0.193	2	PASS
			RB1#24	21.03	1.64	22.67	0.185	2	PASS
			RB12#0	20.59	1.64	22.23	0.167	2	PASS
			RB12#6	20.48	1.64	22.12	0.163	2	PASS
			RB12#13	20.51	1.64	22.15	0.164	2	PASS
			RB25#0	20.43	1.64	22.07	0.161	2	PASS
	MCH	QPSK	RB1#0	22.14	1.64	23.78	0.239	2	PASS
			RB1#13	22.29	1.64	23.93	0.247	2	PASS
			RB1#24	22.13	1.64	23.77	0.238	2	PASS
			RB12#0	21.55	1.64	23.19	0.208	2	PASS
			RB12#6	21.55	1.64	23.19	0.208	2	PASS
			RB12#13	21.52	1.64	23.16	0.207	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
TDD LTE Band 38									
10 MHz	HCH	16-QAM	RB25#0	21.53	1.64	23.17	0.207	2	PASS
			RB1#0	20.93	1.64	22.57	0.181	2	PASS
			RB1#13	20.98	1.64	22.62	0.183	2	PASS
			RB1#24	20.86	1.64	22.50	0.178	2	PASS
			RB12#0	20.52	1.64	22.16	0.164	2	PASS
			RB12#6	20.51	1.64	22.15	0.164	2	PASS
			RB12#13	20.47	1.64	22.11	0.163	2	PASS
			RB25#0	20.53	1.64	22.17	0.165	2	PASS
		QPSK	RB1#0	22.17	1.64	23.81	0.240	2	PASS
			RB1#13	22.30	1.64	23.94	0.248	2	PASS
			RB1#24	22.09	1.64	23.73	0.236	2	PASS
			RB12#0	21.68	1.64	23.32	0.215	2	PASS
			RB12#6	21.67	1.64	23.31	0.214	2	PASS
			RB12#13	21.54	1.64	23.18	0.208	2	PASS
			RB25#0	21.55	1.64	23.19	0.208	2	PASS
		16-QAM	RB1#0	21.08	1.64	22.72	0.187	2	PASS
			RB1#13	21.24	1.64	22.88	0.194	2	PASS
			RB1#24	21.04	1.64	22.68	0.185	2	PASS
			RB12#0	20.66	1.64	22.30	0.170	2	PASS
			RB12#6	20.68	1.64	22.32	0.171	2	PASS
			RB12#13	20.63	1.64	22.27	0.169	2	PASS
			RB25#0	20.46	1.64	22.10	0.162	2	PASS
	LCH	QPSK	RB1#0	22.61	1.64	24.25	0.266	2	PASS
			RB1#25	22.45	1.64	24.09	0.256	2	PASS
			RB1#49	22.49	1.64	24.13	0.259	2	PASS
			RB25#0	21.56	1.64	23.20	0.209	2	PASS
			RB25#13	21.50	1.64	23.14	0.206	2	PASS
			RB25#25	21.52	1.64	23.16	0.207	2	PASS
			RB50#0	21.54	1.64	23.18	0.208	2	PASS
		16-QAM	RB1#0	21.89	1.64	23.53	0.225	2	PASS
			RB1#25	22.11	1.64	23.75	0.237	2	PASS
			RB1#49	21.78	1.64	23.42	0.220	2	PASS
			RB25#0	20.68	1.64	22.32	0.171	2	PASS
			RB25#13	20.52	1.64	22.16	0.164	2	PASS
			RB25#25	20.50	1.64	22.14	0.164	2	PASS
			RB50#0	20.36	1.64	22.00	0.158	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
TDD LTE Band 38									
	MCH	QPSK	RB1#0	22.59	1.64	24.23	0.265	2	PASS
			RB1#25	22.70	1.64	24.34	0.272	2	PASS
			RB1#49	22.64	1.64	24.28	0.268	2	PASS
			RB25#0	21.59	1.64	23.23	0.210	2	PASS
			RB25#13	21.59	1.64	23.23	0.210	2	PASS
			RB25#25	21.54	1.64	23.18	0.208	2	PASS
			RB50#0	21.56	1.64	23.20	0.209	2	PASS
		16-QAM	RB1#0	21.20	1.64	22.84	0.192	2	PASS
			RB1#25	21.17	1.64	22.81	0.191	2	PASS
			RB1#49	21.02	1.64	22.66	0.185	2	PASS
			RB25#0	20.36	1.64	22.00	0.158	2	PASS
			RB25#13	20.40	1.64	22.04	0.160	2	PASS
			RB25#25	20.50	1.64	22.14	0.164	2	PASS
			RB50#0	20.57	1.64	22.21	0.166	2	PASS
	HCH	QPSK	RB1#0	22.56	1.64	24.20	0.263	2	PASS
			RB1#25	22.52	1.64	24.16	0.261	2	PASS
			RB1#49	22.37	1.64	24.01	0.252	2	PASS
			RB25#0	21.61	1.64	23.25	0.211	2	PASS
			RB25#13	21.58	1.64	23.22	0.210	2	PASS
			RB25#25	21.58	1.64	23.22	0.210	2	PASS
			RB50#0	21.63	1.64	23.27	0.212	2	PASS
		16-QAM	RB1#0	22.11	1.64	23.75	0.237	2	PASS
			RB1#25	22.69	1.64	24.33	0.271	2	PASS
			RB1#49	22.25	1.64	23.89	0.245	2	PASS
			RB25#0	20.58	1.64	22.22	0.167	2	PASS
			RB25#13	20.50	1.64	22.14	0.164	2	PASS
			RB25#25	20.60	1.64	22.24	0.167	2	PASS
			RB50#0	20.58	1.64	22.22	0.167	2	PASS
15 MHz	LCH	QPSK	RB1#0	22.52	1.64	24.16	0.261	2	PASS
			RB1#38	22.44	1.64	24.08	0.256	2	PASS
			RB1#74	22.35	1.64	23.99	0.251	2	PASS
			RB36#0	21.47	1.64	23.11	0.205	2	PASS
			RB36#19	21.52	1.64	23.16	0.207	2	PASS
			RB36#39	21.50	1.64	23.14	0.206	2	PASS
			RB75#0	21.55	1.64	23.19	0.208	2	PASS
		16-QAM	RB1#0	21.77	1.64	23.41	0.219	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
TDD LTE Band 38									
			RB1#38	21.58	1.64	23.22	0.210	2	PASS
			RB1#74	21.36	1.64	23.00	0.200	2	PASS
			RB36#0	20.34	1.64	21.98	0.158	2	PASS
			RB36#19	20.48	1.64	22.12	0.163	2	PASS
			RB36#39	20.38	1.64	22.02	0.159	2	PASS
			RB75#0	20.53	1.64	22.17	0.165	2	PASS
	MCH	QPSK	RB1#0	22.64	1.64	24.28	0.268	2	PASS
			RB1#38	22.47	1.64	24.11	0.258	2	PASS
			RB1#74	22.61	1.64	24.25	0.266	2	PASS
			RB36#0	21.55	1.64	23.19	0.208	2	PASS
			RB36#19	21.56	1.64	23.20	0.209	2	PASS
			RB36#39	21.52	1.64	23.16	0.207	2	PASS
			RB75#0	21.53	1.64	23.17	0.207	2	PASS
		16-QAM	RB1#0	21.88	1.64	23.52	0.225	2	PASS
			RB1#38	21.98	1.64	23.62	0.230	2	PASS
			RB1#74	21.98	1.64	23.62	0.230	2	PASS
			RB36#0	20.50	1.64	22.14	0.164	2	PASS
			RB36#19	20.49	1.64	22.13	0.163	2	PASS
			RB36#39	20.30	1.64	21.94	0.156	2	PASS
			RB75#0	20.67	1.64	22.31	0.170	2	PASS
	HCH	QPSK	RB1#0	22.69	1.64	24.33	0.271	2	PASS
			RB1#38	22.64	1.64	24.28	0.268	2	PASS
			RB1#74	22.68	1.64	24.32	0.270	2	PASS
			RB36#0	21.61	1.64	23.25	0.211	2	PASS
			RB36#19	21.60	1.64	23.24	0.211	2	PASS
			RB36#39	21.54	1.64	23.18	0.208	2	PASS
			RB75#0	21.56	1.64	23.20	0.209	2	PASS
		16-QAM	RB1#0	21.33	1.64	22.97	0.198	2	PASS
			RB1#38	21.10	1.64	22.74	0.188	2	PASS
			RB1#74	21.16	1.64	22.80	0.191	2	PASS
			RB36#0	20.64	1.64	22.28	0.169	2	PASS
			RB36#19	20.57	1.64	22.21	0.166	2	PASS
			RB36#39	20.52	1.64	22.16	0.164	2	PASS
			RB75#0	20.59	1.64	22.23	0.167	2	PASS
20 MHz	LCH	QPSK	RB1#0	22.81	1.64	24.45	0.279	2	PASS
			RB1#50	22.99	1.64	24.63	0.290	2	PASS

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TDD LTE Band 38									
			RB1#99	22.65	1.64	24.29	0.269	2	PASS
			RB50#0	21.51	1.64	23.15	0.207	2	PASS
			RB50#25	21.55	1.64	23.19	0.208	2	PASS
			RB50#50	21.49	1.64	23.13	0.206	2	PASS
			RB100#0	21.58	1.64	23.22	0.210	2	PASS
		16-QAM	RB1#0	21.74	1.64	23.38	0.218	2	PASS
			RB1#50	22.05	1.64	23.69	0.234	2	PASS
			RB1#99	21.58	1.64	23.22	0.210	2	PASS
			RB50#0	20.57	1.64	22.21	0.166	2	PASS
			RB50#25	20.48	1.64	22.12	0.163	2	PASS
			RB50#50	20.48	1.64	22.12	0.163	2	PASS
			RB100#0	20.47	1.64	22.11	0.163	2	PASS
	MCH	QPSK	RB1#0	22.21	1.64	23.85	0.243	2	PASS
			RB1#50	22.46	1.64	24.10	0.257	2	PASS
			RB1#99	22.22	1.64	23.86	0.243	2	PASS
			RB50#0	21.57	1.64	23.21	0.209	2	PASS
			RB50#25	21.54	1.64	23.18	0.208	2	PASS
			RB50#50	21.48	1.64	23.12	0.205	2	PASS
			RB100#0	21.57	1.64	23.21	0.209	2	PASS
		16-QAM	RB1#0	20.93	1.64	22.57	0.181	2	PASS
			RB1#50	21.41	1.64	23.05	0.202	2	PASS
			RB1#99	20.9	1.64	22.54	0.179	2	PASS
			RB50#0	20.52	1.64	22.16	0.164	2	PASS
			RB50#25	20.54	1.64	22.18	0.165	2	PASS
			RB50#50	20.55	1.64	22.19	0.166	2	PASS
			RB100#0	20.56	1.64	22.20	0.166	2	PASS
	HCH	QPSK	RB1#0	22.54	1.64	24.18	0.262	2	PASS
			RB1#50	22.59	1.64	24.23	0.265	2	PASS
			RB1#99	22.11	1.64	23.75	0.237	2	PASS
			RB50#0	21.62	1.64	23.26	0.212	2	PASS
			RB50#25	21.53	1.64	23.17	0.207	2	PASS
			RB50#50	21.54	1.64	23.18	0.208	2	PASS
			RB100#0	21.55	1.64	23.19	0.208	2	PASS
		16-QAM	RB1#0	20.66	1.64	22.30	0.170	2	PASS
			RB1#50	20.78	1.64	22.42	0.175	2	PASS
			RB1#99	20.46	1.64	22.10	0.162	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
TDD LTE Band 38									
			RB50#0	20.62	1.64	22.26	0.168	2	PASS
			RB50#25	20.61	1.64	22.25	0.168	2	PASS
			RB50#50	20.63	1.64	22.27	0.169	2	PASS
			RB100#0	20.46	1.64	22.10	0.162	2	PASS

Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
TDD LTE Band 41									
5 MHz	LCH	QPSK	RB1#0	21.87	2.90	24.77	0.300	2	PASS
			RB1#13	21.65	2.90	24.55	0.285	2	PASS
			RB1#24	21.74	2.90	24.64	0.291	2	PASS
			RB12#0	20.98	2.90	23.88	0.244	2	PASS
			RB12#6	20.87	2.90	23.77	0.238	2	PASS
			RB12#13	20.80	2.90	23.70	0.234	2	PASS
			RB25#0	20.80	2.90	23.70	0.234	2	PASS
		16-QAM	RB1#0	20.50	2.90	23.40	0.219	2	PASS
			RB1#13	20.30	2.90	23.20	0.209	2	PASS
			RB1#24	20.22	2.90	23.12	0.205	2	PASS
			RB12#0	19.98	2.90	22.88	0.194	2	PASS
			RB12#6	19.98	2.90	22.88	0.194	2	PASS
			RB12#13	19.96	2.90	22.86	0.193	2	PASS
			RB25#0	19.93	2.90	22.83	0.192	2	PASS
	MCH	QPSK	RB1#0	21.77	2.90	24.67	0.293	2	PASS
			RB1#13	21.78	2.90	24.68	0.294	2	PASS
			RB1#24	21.70	2.90	24.60	0.288	2	PASS
			RB12#0	21.16	2.90	24.06	0.255	2	PASS
			RB12#6	21.11	2.90	24.01	0.252	2	PASS
			RB12#13	21.13	2.90	24.03	0.253	2	PASS
			RB25#0	21.12	2.90	24.02	0.252	2	PASS
		16-QAM	RB1#0	20.73	2.90	23.63	0.231	2	PASS
			RB1#13	20.69	2.90	23.59	0.229	2	PASS
			RB1#24	20.53	2.90	23.43	0.220	2	PASS
			RB12#0	20.22	2.90	23.12	0.205	2	PASS
			RB12#6	20.20	2.90	23.10	0.204	2	PASS
			RB12#13	20.19	2.90	23.09	0.204	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
TDD LTE Band 41									
10 MHz	HCH	QPSK	RB25#0	20.01	2.90	22.91	0.195	2	PASS
			RB1#0	22.24	2.90	25.14	0.327	2	PASS
			RB1#13	22.35	2.90	25.25	0.335	2	PASS
			RB1#24	22.24	2.90	25.14	0.327	2	PASS
			RB12#0	21.35	2.90	24.25	0.266	2	PASS
			RB12#6	21.36	2.90	24.26	0.267	2	PASS
			RB12#13	21.38	2.90	24.28	0.268	2	PASS
			RB25#0	21.41	2.90	24.31	0.270	2	PASS
		16-QAM	RB1#0	21.18	2.90	24.08	0.256	2	PASS
			RB1#13	21.14	2.90	24.04	0.254	2	PASS
			RB1#24	21.08	2.90	23.98	0.250	2	PASS
			RB12#0	20.48	2.90	23.38	0.218	2	PASS
			RB12#6	20.44	2.90	23.34	0.216	2	PASS
			RB12#13	20.44	2.90	23.34	0.216	2	PASS
			RB25#0	20.48	2.90	23.38	0.218	2	PASS
		LCH	RB1#0	22.09	2.90	24.99	0.316	2	PASS
			RB1#25	22.09	2.90	24.99	0.316	2	PASS
			RB1#49	21.99	2.90	24.89	0.308	2	PASS
			RB25#0	20.96	2.90	23.86	0.243	2	PASS
			RB25#13	20.91	2.90	23.81	0.240	2	PASS
			RB25#25	21.08	2.90	23.98	0.250	2	PASS
			RB50#0	21.02	2.90	23.92	0.247	2	PASS
			RB1#0	21.46	2.90	24.36	0.273	2	PASS
			RB1#25	21.73	2.90	24.63	0.290	2	PASS
			RB1#49	21.45	2.90	24.35	0.272	2	PASS
			RB25#0	20.15	2.90	23.05	0.202	2	PASS
			RB25#13	20.04	2.90	22.94	0.197	2	PASS
			RB25#25	20.16	2.90	23.06	0.202	2	PASS
			RB50#0	19.94	2.90	22.84	0.192	2	PASS
	MCH	QPSK	RB1#0	22.30	2.90	25.20	0.331	2	PASS
			RB1#25	22.37	2.90	25.27	0.337	2	PASS
			RB1#49	22.28	2.90	25.18	0.330	2	PASS
			RB25#0	21.15	2.90	24.05	0.254	2	PASS
			RB25#13	21.11	2.90	24.01	0.252	2	PASS
			RB25#25	21.17	2.90	24.07	0.255	2	PASS
			RB50#0	21.19	2.90	24.09	0.256	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
TDD LTE Band 41									
		16-QAM	RB1#0	20.92	2.90	23.82	0.241	2	PASS
			RB1#25	20.77	2.90	23.67	0.233	2	PASS
			RB1#49	20.60	2.90	23.50	0.224	2	PASS
			RB25#0	20.20	2.90	23.10	0.204	2	PASS
			RB25#13	20.17	2.90	23.07	0.203	2	PASS
			RB25#25	20.15	2.90	23.05	0.202	2	PASS
			RB50#0	20.20	2.90	23.10	0.204	2	PASS
	HCH	QPSK	RB1#0	22.37	2.90	25.27	0.337	2	PASS
			RB1#25	22.25	2.90	25.15	0.327	2	PASS
			RB1#49	22.28	2.90	25.18	0.330	2	PASS
			RB25#0	21.43	2.90	24.33	0.271	2	PASS
			RB25#13	21.50	2.90	24.40	0.275	2	PASS
			RB25#25	21.49	2.90	24.39	0.275	2	PASS
			RB50#0	21.41	2.90	24.31	0.270	2	PASS
		16-QAM	RB1#0	22.06	2.90	24.96	0.313	2	PASS
			RB1#25	22.35	2.90	25.25	0.335	2	PASS
			RB1#49	22.15	2.90	25.05	0.320	2	PASS
			RB25#0	20.38	2.90	23.28	0.213	2	PASS
			RB25#13	20.37	2.90	23.27	0.212	2	PASS
			RB25#25	20.36	2.90	23.26	0.212	2	PASS
			RB50#0	20.49	2.90	23.39	0.218	2	PASS
15 MHz	LCH	QPSK	RB1#0	22.08	2.90	24.98	0.315	2	PASS
			RB1#38	22.03	2.90	24.93	0.311	2	PASS
			RB1#74	21.96	2.90	24.86	0.306	2	PASS
			RB36#0	20.87	2.90	23.77	0.238	2	PASS
			RB36#19	20.96	2.90	23.86	0.243	2	PASS
			RB36#39	20.95	2.90	23.85	0.243	2	PASS
			RB75#0	20.87	2.90	23.77	0.238	2	PASS
		16-QAM	RB1#0	21.33	2.90	24.23	0.265	2	PASS
			RB1#38	21.28	2.90	24.18	0.262	2	PASS
			RB1#74	21.44	2.90	24.34	0.272	2	PASS
			RB36#0	19.78	2.90	22.68	0.185	2	PASS
			RB36#19	19.90	2.90	22.80	0.191	2	PASS
			RB36#39	19.73	2.90	22.63	0.183	2	PASS
			RB75#0	19.90	2.90	22.80	0.191	2	PASS
	MCH	QPSK	RB1#0	22.42	2.90	25.32	0.340	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
TDD LTE Band 41									
20 MHz			RB1#38	22.32	2.90	25.22	0.333	2	PASS
			RB1#74	22.4	2.90	25.30	0.339	2	PASS
			RB36#0	21.17	2.90	24.07	0.255	2	PASS
			RB36#19	21.18	2.90	24.08	0.256	2	PASS
			RB36#39	21.15	2.90	24.05	0.254	2	PASS
			RB75#0	21.13	2.90	24.03	0.253	2	PASS
		16-QAM	RB1#0	20.90	2.90	23.80	0.240	2	PASS
			RB1#38	20.65	2.90	23.55	0.226	2	PASS
			RB1#74	20.72	2.90	23.62	0.230	2	PASS
			RB36#0	20.18	2.90	23.08	0.203	2	PASS
			RB36#19	20.13	2.90	23.03	0.201	2	PASS
			RB36#39	20.21	2.90	23.11	0.205	2	PASS
			RB75#0	20.19	2.90	23.09	0.204	2	PASS
	HCH	QPSK	RB1#0	22.36	2.90	25.26	0.336	2	PASS
			RB1#38	22.41	2.90	25.31	0.340	2	PASS
			RB1#74	22.24	2.90	25.14	0.327	2	PASS
			RB36#0	21.38	2.90	24.28	0.268	2	PASS
			RB36#19	21.45	2.90	24.35	0.272	2	PASS
			RB36#39	21.39	2.90	24.29	0.269	2	PASS
			RB75#0	21.43	2.90	24.33	0.271	2	PASS
		16-QAM	RB1#0	21.51	2.90	24.41	0.276	2	PASS
			RB1#38	21.56	2.90	24.46	0.279	2	PASS
			RB1#74	21.27	2.90	24.17	0.261	2	PASS
			RB36#0	20.36	2.90	23.26	0.212	2	PASS
			RB36#19	20.24	2.90	23.14	0.206	2	PASS
			RB36#39	20.25	2.90	23.15	0.207	2	PASS
			RB75#0	20.47	2.90	23.37	0.217	2	PASS
20 MHz	LCH	QPSK	RB1#0	21.77	2.90	24.67	0.293	2	PASS
			RB1#50	21.86	2.90	24.76	0.299	2	PASS
			RB1#99	21.61	2.90	24.51	0.282	2	PASS
			RB50#0	20.97	2.90	23.87	0.244	2	PASS
			RB50#25	21.00	2.90	23.90	0.245	2	PASS
			RB50#50	20.91	2.90	23.81	0.240	2	PASS
			RB100#0	21.02	2.90	23.92	0.247	2	PASS
		16-QAM	RB1#0	20.64	2.90	23.54	0.226	2	PASS
			RB1#50	20.86	2.90	23.76	0.238	2	PASS

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Test BW	Test Channel	Test Mode	Test RB (Size#Offset)	Conducted power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
TDD LTE Band 41									
			RB1#99	20.44	2.90	23.34	0.216	2	PASS
			RB50#0	20.04	2.90	22.94	0.197	2	PASS
			RB50#25	20.02	2.90	22.92	0.196	2	PASS
			RB50#50	20.00	2.90	22.90	0.195	2	PASS
			RB100#0	20.06	2.90	22.96	0.198	2	PASS
	MCH	QPSK	RB1#0	22.15	2.90	25.05	0.320	2	PASS
			RB1#50	22.26	2.90	25.16	0.328	2	PASS
			RB1#99	21.81	2.90	24.71	0.296	2	PASS
			RB50#0	21.27	2.90	24.17	0.261	2	PASS
			RB50#25	21.17	2.90	24.07	0.255	2	PASS
			RB50#50	21.23	2.90	24.13	0.259	2	PASS
			RB100#0	21.30	2.90	24.20	0.263	2	PASS
		16-QAM	RB1#0	20.56	2.90	23.46	0.222	2	PASS
			RB1#50	20.39	2.90	23.29	0.213	2	PASS
			RB1#99	20.18	2.90	23.08	0.203	2	PASS
			RB50#0	20.34	2.90	23.24	0.211	2	PASS
			RB50#25	20.24	2.90	23.14	0.206	2	PASS
			RB50#50	20.31	2.90	23.21	0.209	2	PASS
			RB100#0	20.19	2.90	23.09	0.204	2	PASS
	HCH	QPSK	RB1#0	22.86	2.90	25.76	0.377	2	PASS
			RB1#50	22.71	2.90	25.61	0.364	2	PASS
			RB1#99	22.53	2.90	25.43	0.349	2	PASS
			RB50#0	21.39	2.90	24.29	0.269	2	PASS
			RB50#25	21.42	2.90	24.32	0.270	2	PASS
			RB50#50	21.39	2.90	24.29	0.269	2	PASS
			RB100#0	21.44	2.90	24.34	0.272	2	PASS
		16-QAM	RB1#0	21.54	2.90	24.44	0.278	2	PASS
			RB1#50	22.01	2.90	24.91	0.310	2	PASS
			RB1#99	21.70	2.90	24.60	0.288	2	PASS
			RB50#0	20.48	2.90	23.38	0.218	2	PASS
			RB50#25	20.49	2.90	23.39	0.218	2	PASS
			RB50#50	20.48	2.90	23.38	0.218	2	PASS
			RB100#0	20.40	2.90	23.30	0.214	2	PASS

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5.1.2 Peak to Average Ratio

Note(s):

1. Test plots please refer to the document “Annex No: SHE23010013-01AE Data EXHIBIT A”.

Peak to Average Ratio Measurement Results for GSM

Test Band	Channel	Peak to Average Ratio (dB)	Limit (W)	Refer to Plot ^{Note 1}	Verdict
GSM 850	Low	10.38	13	1.1	PASS
	Middle	10.43	13	1.2	PASS
	High	10.49	13	1.3	PASS
GSM 1900	Low	10.05	13	2.1	PASS
	Middle	10.04	13	2.2	PASS
	High	10.49	13	2.3	PASS
GRPS 850	Low	5.98	13	3.1	PASS
	Middle	5.98	13	3.2	PASS
	High	5.99	13	3.3	PASS
GRPS 1900	Low	4.47	13	4.1	PASS
	Middle	4.47	13	4.2	PASS
	High	4.46	13	4.3	PASS
EDGE 850	Low	5.65	13	5.1	PASS
	Middle	5.64	13	5.2	PASS
	High	5.64	13	5.3	PASS
EDGE 1900	Low	4.46	13	6.1	PASS
	Middle	4.47	13	6.2	PASS
	High	4.47	13	6.3	PASS

Peak to Average Ratio Measurement Results for WCDMA

Test Band	Channel	Peak to Average Ratio (dB)	Limit (W)	Refer to Plot ^{Note 1}	Verdict
WCDMA Band II	Low	3.11	13	7.1	PASS
	Middle	3.14	13	7.2	PASS
	High	3.14	13	7.3	PASS
WCDMA Band IV	Low	3.21	13	8.1	PASS
	Middle	3.18	13	8.2	PASS
	High	3.20	13	8.3	PASS
WCDMA Band V	Low	3.11	13	9.1	PASS
	Middle	3.09	13	9.2	PASS
	High	3.15	13	9.3	PASS

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Peak to Average Ratio Measurement Results for LTE

FDD LTE Band 2							
Test BW	Channel	Modul.	RB Set (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 1}	Verdict
20 MHz	Low	QPSK	RB1#0	5.43	13	10.1	PASS
			RB100#0	5.73	13	10.2	PASS
		16QAM	RB1#0	5.88	13	10.3	PASS
			RB100#0	6.58	13	10.4	PASS
	Middle	QPSK	RB1#0	6.13	13	10.5	PASS
			RB100#0	5.70	13	10.6	PASS
		16QAM	RB1#0	6.95	13	10.7	PASS
			RB100#0	6.50	13	10.8	PASS
	High	QPSK	RB1#0	5.64	13	10.9	PASS
			RB100#0	5.71	13	10.10	PASS
		16QAM	RB1#0	6.52	13	10.11	PASS
			RB100#0	6.46	13	10.12	PASS

FDD LTE Band 4							
Test BW	Channel	Modul.	RB Set (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 1}	Verdict
20 MHz	Low	QPSK	RB1#0	5.75	13	11.1	PASS
			RB100#0	5.67	13	11.2	PASS
		16QAM	RB1#0	6.70	13	11.3	PASS
			RB100#0	6.52	13	11.4	PASS
	Middle	QPSK	RB1#0	5.73	13	11.5	PASS
			RB100#0	5.81	13	11.6	PASS
		16QAM	RB1#0	6.67	13	11.7	PASS
			RB100#0	6.58	13	11.8	PASS
	High	QPSK	RB1#0	5.82	13	11.9	PASS
			RB100#0	5.78	13	11.10	PASS
		16QAM	RB1#0	6.08	13	11.11	PASS
			RB100#0	6.62	13	11.12	PASS

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FDD LTE Band 5							
Test BW	Channel	Modul.	RB Set (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 1}	Verdict
10 MHz	Low	QPSK	RB1#0	5.65	13	12.1	PASS
			RB50#0	5.74	13	12.2	PASS
		16QAM	RB1#0	6.64	13	12.3	PASS
			RB50#0	6.42	13	12.4	PASS
	Middle	QPSK	RB1#0	5.78	13	12.5	PASS
			RB50#0	5.55	13	12.6	PASS
		16QAM	RB1#0	6.34	13	12.7	PASS
			RB50#0	6.39	13	12.8	PASS
	High	QPSK	RB1#0	5.31	13	12.9	PASS
			RB50#0	5.69	13	12.10	PASS
		16QAM	RB1#0	5.95	13	12.11	PASS
			RB50#0	6.46	13	12.12	PASS

FDD LTE Band 7							
Test BW	Channel	Modul.	RB Set (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 1}	Verdict
20 MHz	Low	QPSK	RB1#0	5.58	13	13.1	PASS
			RB100#0	5.65	13	13.2	PASS
		16QAM	RB1#0	6.00	13	13.3	PASS
			RB100#0	6.31	13	13.4	PASS
	Middle	QPSK	RB1#0	6.01	13	13.5	PASS
			RB100#0	5.52	13	13.6	PASS
		16QAM	RB1#0	6.50	13	13.7	PASS
			RB100#0	6.29	13	13.8	PASS
	High	QPSK	RB1#0	5.99	13	13.9	PASS
			RB100#0	5.74	13	13.10	PASS
		16QAM	RB1#0	7.07	13	13.11	PASS
			RB100#0	6.37	13	13.12	PASS

TDD LTE Band 38							
Test BW	Channel	Modul.	RB Set (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 1}	Verdict
20 MHz	Low	QPSK	RB1#0	9.26	13	14.1	PASS

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		16QAM	RB100#0	8.98	13	14.2	PASS
			RB1#0	8.87	13	14.3	PASS
			RB100#0	10.89	13	14.4	PASS
	Middle	QPSK	RB1#0	10.08	13	14.5	PASS
			RB100#0	9.00	13	14.6	PASS
		16QAM	RB1#0	10.81	13	14.7	PASS
			RB100#0	9.86	13	14.8	PASS
	High	QPSK	RB1#0	9.94	13	14.9	PASS
			RB100#0	8.60	13	14.10	PASS
		16QAM	RB1#0	10.12	13	14.11	PASS
			RB100#0	9.04	13	14.12	PASS

TDD LTE Band 41							
Test BW	Channel	Modul.	RB Set (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 1}	Verdict
20 MHz	Low	QPSK	RB1#0	8.25	13	15.1	PASS
			RB100#0	7.96	13	15.2	PASS
		16QAM	RB1#0	8.36	13	15.3	PASS
			RB100#0	8.89	13	15.4	PASS
	Middle	QPSK	RB1#0	9.98	13	15.5	PASS
			RB100#0	8.94	13	15.6	PASS
		16QAM	RB1#0	9.50	13	15.7	PASS
			RB100#0	9.85	13	15.8	PASS
	High	QPSK	RB1#0	9.59	13	15.9	PASS
			RB100#0	9.17	13	15.10	PASS
		16QAM	RB1#0	9.68	13	15.11	PASS
			RB100#0	9.04	13	15.12	PASS

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5.1.3 Occupied Bandwidth

Note(s):

1. All modes were tested, but only the typical data were reported in this report.
2. Test plots please refer to the document "Annex No: SHE23060106-01AE Data EXHIBIT B".

Occupied Bandwidth Measurement Results for GSM/WCDMA

Test Band	Channel	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note 2}
GSM 850	Low	0.244	0.316	1.1
	Middle	0.244	0.316	1.2
	High	0.244	0.307	1.3
GSM 1900	Low	0.247	0.316	2.1
	Middle	0.243	0.313	2.2
	High	0.245	0.312	2.3
GRPS 850	Low	0.247	0.311	3.1
	Middle	0.245	0.316	3.2
	High	0.244	0.319	3.3
GRPS 1900	Low	0.242	0.313	4.1
	Middle	0.246	0.318	4.2
	High	0.245	0.314	4.3
EDGE 850	Low	0.243	0.310	5.1
	Middle	0.242	0.308	5.2
	High	0.243	0.309	5.3
EDGE 1900	Low	0.244	0.310	6.1
	Middle	0.245	0.312	6.2
	High	0.245	0.312	6.3
WCDMA II	Low	4.095	4.679	7.1
	Middle	4.103	4.690	7.2
	High	4.109	4.695	7.3
WCDMA IV	Low	4.100	4.687	8.1
	Middle	4.106	4.682	8.2
	High	4.106	4.688	8.3
WCDMA V	Low	4.112	4.696	9.1
	Middle	4.106	4.691	9.2
	High	4.121	4.704	9.3

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Occupied Bandwidth Measurement Results for LTE

FDD LTE Band 2						
Test BW	CH	Modul.	RB Set (Size#Offset)	99% Occupied Bandwidth (MHz)	-26 dB Bandwidth (MHz)	Refer to Plot ^{Note 2}
1.4 MHz	Low	QPSK	RB6#0	1.089	1.273	10.1
		16QAM	RB6#0	1.093	1.277	10.2
	Middle	QPSK	RB6#0	1.091	1.284	10.3
		16QAM	RB6#0	1.086	1.266	10.4
	High	QPSK	RB6#0	1.093	1.270	10.5
		16QAM	RB6#0	1.092	1.284	10.6
3 MHz	Low	QPSK	RB15#0	2.695	2.962	10.7
		16QAM	RB15#0	2.701	2.988	10.8
	Middle	QPSK	RB15#0	2.698	2.962	10.9
		16QAM	RB15#0	2.698	2.984	10.10
	High	QPSK	RB15#0	2.706	2.975	10.11
		16QAM	RB15#0	2.698	2.974	10.12
5 MHz	Low	QPSK	RB25#0	4.499	4.980	10.13
		16QAM	RB25#0	4.492	4.954	10.14
	Middle	QPSK	RB25#0	4.492	4.996	10.15
		16QAM	RB25#0	4.506	4.983	10.16
	High	QPSK	RB25#0	4.494	4.972	10.17
		16QAM	RB25#0	4.509	5.006	10.18
10 MHz	Low	QPSK	RB50#0	8.962	9.943	10.19
		16QAM	RB50#0	8.961	9.809	10.20
	Middle	QPSK	RB50#0	8.957	9.903	10.21
		16QAM	RB50#0	8.954	9.832	10.22
	High	QPSK	RB50#0	8.967	9.926	10.23
		16QAM	RB50#0	8.971	9.894	10.24
15 MHz	Low	QPSK	RB75#0	13.418	14.757	10.25
		16QAM	RB75#0	13.413	14.625	10.26
	Middle	QPSK	RB75#0	13.381	14.642	10.27
		16QAM	RB75#0	13.396	14.642	10.28
	High	QPSK	RB75#0	14.430	14.616	10.29
		16QAM	RB75#0	13.453	14.707	10.30
20 MHz	Low	QPSK	RB100#0	17.900	19.429	10.31
		16QAM	RB100#0	17.942	19.418	10.32
	Middle	QPSK	RB100#0	17.861	19.317	10.33
		16QAM	RB100#0	17.864	19.421	10.34
	High	QPSK	RB100#0	17.909	19.514	10.35
		16QAM	RB100#0	17.893	19.500	10.36

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FDD LTE Band 4						
Test BW	CH	Modul.	RB Set (Size#Offset)	99% Occupied Bandwidth (MHz)	-26 dB Bandwidth (MHz)	Refer to Plot ^{Note 2}
1.4 MHz	Low	QPSK	RB6#0	1.088	1.282	11.1
		16QAM	RB6#0	1.092	1.301	11.2
	Middle	QPSK	RB6#0	1.093	1.291	11.3
		16QAM	RB6#0	1.087	1.267	11.4
	High	QPSK	RB6#0	1.093	1.283	11.5
		16QAM	RB6#0	1.089	1.289	11.6
3 MHz	Low	QPSK	RB15#0	2.697	2.965	11.7
		16QAM	RB15#0	2.696	2.956	11.8
	Middle	QPSK	RB15#0	2.703	2.977	11.9
		16QAM	RB15#0	2.697	2.993	11.10
	High	QPSK	RB15#0	2.705	2.996	11.11
		16QAM	RB15#0	2.698	2.975	11.12
5 MHz	Low	QPSK	RB25#0	4.509	5.007	11.13
		16QAM	RB25#0	4.493	4.952	11.14
	Middle	QPSK	RB25#0	4.496	4.987	11.15
		16QAM	RB25#0	4.509	5.007	11.16
	High	QPSK	RB25#0	4.494	4.975	11.17
		16QAM	RB25#0	4.503	5.025	11.18
10 MHz	Low	QPSK	RB50#0	8.963	9.849	11.19
		16QAM	RB50#0	8.956	9.881	11.20
	Middle	QPSK	RB50#0	8.959	9.863	11.21
		16QAM	RB50#0	8.957	9.826	11.22
	High	QPSK	RB50#0	8.969	9.882	11.23
		16QAM	RB50#0	8.963	9.890	11.24
15 MHz	Low	QPSK	RB75#0	13.400	14.646	11.25
		16QAM	RB75#0	13.408	14.630	11.26
	Middle	QPSK	RB75#0	13.398	14.611	11.27
		16QAM	RB75#0	13.428	14.599	11.28
	High	QPSK	RB75#0	13.416	14.725	11.29
		16QAM	RB75#0	13.432	14.711	11.30
20 MHz	Low	QPSK	RB100#0	17.865	19.227	11.31
		16QAM	RB100#0	17.864	19.305	11.32
	Middle	QPSK	RB100#0	17.866	19.325	11.33
		16QAM	RB100#0	17.895	19.419	11.34
	High	QPSK	RB100#0	17.915	19.577	11.35
		16QAM	RB100#0	17.897	19.420	11.36

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FDD LTE Band 5						
Test BW	CH	Modul.	RB Set (Size#Offset)	99% Occupied Bandwidth (MHz)	-26 dB Bandwidth (MHz)	Refer to Plot ^{Note 2}
1.4 MHz	Low	QPSK	RB6#0	1.088	1.272	12.1
		16QAM	RB6#0	1.092	1.296	12.2
	Middle	QPSK	RB6#0	1.090	1.284	12.3
		16QAM	RB6#0	1.088	1.269	12.4
	High	QPSK	RB6#0	1.092	1.270	12.5
		16QAM	RB6#0	1.093	1.281	12.6
3 MHz	Low	QPSK	RB15#0	2.701	2.973	12.7
		16QAM	RB15#0	2.700	2.955	12.8
	Middle	QPSK	RB15#0	2.702	2.978	12.9
		16QAM	RB15#0	2.696	2.987	12.10
	High	QPSK	RB15#0	2.702	2.979	12.11
		16QAM	RB15#0	2.697	2.991	12.12
5 MHz	Low	QPSK	RB25#0	4.508	5.016	12.13
		16QAM	RB25#0	4.499	4.962	12.14
	Middle	QPSK	RB25#0	4.488	4.964	12.15
		16QAM	RB25#0	4.499	4.973	12.16
	High	QPSK	RB25#0	4.489	4.960	12.17
		16QAM	RB25#0	4.508	4.977	12.18
10 MHz	Low	QPSK	RB50#0	8.986	9.959	12.19
		16QAM	RB50#0	8.994	9.884	12.20
	Middle	QPSK	RB50#0	8.943	9.799	12.21
		16QAM	RB50#0	8.935	9.786	12.22
	High	QPSK	RB50#0	8.975	9.889	12.23
		16QAM	RB50#0	8.969	9.881	12.24

FDD LTE Band 7						
Test BW	CH	Modul.	RB Set (Size#Offset)	99% Occupied Bandwidth (MHz)	-26 dB Bandwidth (MHz)	Refer to Plot ^{Note 2}
5 MHz	Low	QPSK	RB25#0	4.507	5.013	13.1
		16QAM	RB25#0	4.485	4.967	13.2
	Middle	QPSK	RB25#0	4.490	5.003	13.3
		16QAM	RB25#0	4.511	5.024	13.4
	High	QPSK	RB25#0	4.488	4.991	13.5
		16QAM	RB25#0	4.505	5.025	13.6
10 MHz	Low	QPSK	RB50#0	8.981	9.992	13.7
		16QAM	RB50#0	8.971	9.867	13.8

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	Middle	QPSK	RB50#0	8.945	9.901	13.9
		16QAM	RB50#0	8.973	9.908	13.10
	High	QPSK	RB50#0	8.974	9.928	13.11
		16QAM	RB50#0	8.976	9.941	13.12
15 MHz	Low	QPSK	RB75#0	13.455	14.820	13.13
		16QAM	RB75#0	13.453	14.657	13.14
	Middle	QPSK	RB75#0	13.378	14.696	13.15
		16QAM	RB75#0	13.436	14.707	13.16
	High	QPSK	RB75#0	13.462	14.843	13.17
		16QAM	RB75#0	13.474	14.780	13.18
20 MHz	Low	QPSK	RB100#0	17.923	19.488	13.19
		16QAM	RB100#0	17.976	19.434	13.20
	Middle	QPSK	RB100#0	17.888	19.429	13.21
		16QAM	RB100#0	17.871	19.558	13.22
	High	QPSK	RB100#0	17.973	19.706	13.23
		16QAM	RB100#0	17.947	19.573	13.24

TDD LTE Band 38						
Test BW	CH	Modul.	RB Set (Size#Offset)	99% Occupied Bandwidth (MHz)	-26 dB Bandwidth (MHz)	Refer to Plot ^{Note 2}
5 MHz	Low	QPSK	RB25#0	4.501	4.981	14.1
		16QAM	RB25#0	4.491	4.960	14.2
	Middle	QPSK	RB25#0	4.495	5.087	14.3
		16QAM	RB25#0	4.494	4.998	14.4
	High	QPSK	RB25#0	4.492	5.023	14.5
		16QAM	RB25#0	4.505	5.028	14.6
10 MHz	Low	QPSK	RB50#0	8.992	10.913	14.7
		16QAM	RB50#0	8.985	10.539	14.8
	Middle	QPSK	RB50#0	8.993	10.844	14.9
		16QAM	RB50#0	8.940	9.826	14.10
	High	QPSK	RB50#0	8.985	10.499	14.11
		16QAM	RB50#0	8.984	10.442	14.12
15 MHz	Low	QPSK	RB75#0	13.494	15.423	14.13
		16QAM	RB75#0	13.499	16.180	14.14
	Middle	QPSK	RB75#0	13.446	15.363	14.15
		16QAM	RB75#0	13.505	15.315	14.16
	High	QPSK	RB75#0	13.447	15.674	14.17
		16QAM	RB75#0	13.496	15.137	14.18
20 MHz	Low	QPSK	RB100#0	17.964	19.907	14.19
		16QAM	RB100#0	17.913	19.787	14.20

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	Middle	QPSK	RB100#0	17.895	19.685	14.21
		16QAM	RB100#0	17.928	20.025	14.22
	High	QPSK	RB100#0	17.922	19.968	14.23
		16QAM	RB100#0	17.900	19.913	14.24

TDD LTE Band 41						
Test BW	CH	Modul.	RB Set (Size#Offset)	99% Occupied Bandwidth (MHz)	-26 dB Bandwidth (MHz)	Refer to Plot ^{Note 2}
5 MHz	Low	QPSK	RB25#0	4.500	5.258	15.1
		16QAM	RB25#0	4.498	5.156	15.2
	Middle	QPSK	RB25#0	4.493	5.005	15.3
		16QAM	RB25#0	4.506	5.104	15.4
	High	QPSK	RB25#0	4.498	4.936	15.5
		16QAM	RB25#0	4.490	4.974	15.6
10 MHz	Low	QPSK	RB50#0	9.009	11.414	15.7
		16QAM	RB50#0	8.999	10.934	15.8
	Middle	QPSK	RB50#0	8.990	10.841	15.9
		16QAM	RB50#0	8.938	9.824	15.10
	High	QPSK	RB50#0	9.013	10.791	15.11
		16QAM	RB50#0	8.989	10.691	15.12
15 MHz	Low	QPSK	RB75#0	13.516	16.996	15.13
		16QAM	RB75#0	13.522	16.852	15.14
	Middle	QPSK	RB75#0	13.402	15.002	15.15
		16QAM	RB75#0	13.485	14.991	15.16
	High	QPSK	RB75#0	13.416	15.813	15.17
		16QAM	RB75#0	13.464	15.246	15.18
20 MHz	Low	QPSK	RB100#0	17.952	20.048	15.19
		16QAM	RB100#0	17.904	19.787	15.20
	Middle	QPSK	RB100#0	17.889	19.593	15.21
		16QAM	RB100#0	17.914	20.233	15.22
	High	QPSK	RB100#0	17.905	19.788	15.23
		16QAM	RB100#0	17.901	20.318	15.24

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5.1.4 Frequency Stability

Frequency Stability Measurement Results for GSM/GPRS/EDGE

GSM 850								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 824.2 MHz		Middle channel 836.6 MHz		High channel 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	9.78	±2060.5	7.97	±2091.5	12.04	±2122	PASS
	-30	8.33		12.46		6.23		
	-20	10.65		6.65		11.69		
	-10	6.65		9.01		11.40		
	0	13.79		7.62		11.24		
	10	8.39		12.72		11.17		
	20	14.82		7.20		8.43		
	25	11.78		8.01		11.24		
	30	11.01		11.33		8.65		
	40	6.84		6.20		4.75		
	50	7.85		10.56		8.20		
3.4 V	25	10.40		7.23		14.04		
4.4 V	25	13.79		7.62		11.24		

GSM 1900								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 1850.2 MHz		Middle channel 1880 MHz		High channel 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	6.55	±4625.5	6.78	±4700.0	-6.26	±4774.5	PASS
	-30	-9.81		-6.52		-6.33		
	-20	7.81		-12.53		-10.88		
	-10	7.65		-11.68		-10.46		
	0	8.92		-13.76		-10.59		
	10	-6.62		-15.43		-9.62		
	20	-5.40		-9.01		-7.81		
	25	-12.30		-12.01		-6.01		
	30	-7.68		-13.20		8.04		
	40	5.65		-5.97		-10.75		
	50	11.56		-9.46		-9.30		

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3.4 V	25	6.33		-4.65		8.94		
4.4 V	25	-4.04		-10.82		-7.81		

GPRS 850								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 824.2 MHz		Middle channel 836.6 MHz		High channel 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	18.66	±2060.5	19.89	±2091.5	19.02	±2122	PASS
	-30	17.76		21.02		19.08		
	-20	22.05		21.28		23.28		
	-10	19.76		20.73		18.21		
	0	21.34		23.21		20.08		
	10	20.66		20.24		20.66		
	20	21.60		21.44		22.24		
	25	19.05		19.95		21.60		
	30	22.86		22.79		20.21		
	40	18.31		20.44		19.21		
	50	19.82		19.73		18.95		
3.4 V	25	19.82		19.21		20.28		
4.4 V	25	19.69		21.53		19.47		

GPRS 1900								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 1850.2 MHz		Middle channel 1880 MHz		High channel 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	17.14	±4625.5	17.98	±4700.0	12.98	±4774.5	PASS
	-30	15.08		19.27		13.11		
	-20	13.98		14.95		11.11		
	-10	16.37		10.36		11.20		
	0	14.27		17.11		10.04		
	10	12.14		12.88		13.75		
	20	9.23		12.59		11.56		
	25	14.69		19.05		14.75		
	30	13.08		12.72		7.52		
	40	19.24		16.27		10.53		

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	50	18.37		20.44		18.73		
3.4 V	25	13.30		20.15		12.62		
4.4 V	25	13.46		14.08		10.23		

EDGE 850								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 824.2 MHz		Middle channel 836.6 MHz		High channel 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	27.96	±2060.5	27.96	±2091.5	26.60	±2122	PASS
	-30	24.96		27.06		24.89		
	-20	23.92		26.86		26.44		
	-10	24.06		26.75		26.35		
	0	29.06		25.93		19.50		
	10	23.92		22.83		18.98		
	20	26.67		26.67		26.31		
	25	27.22		26.38		27.86		
	30	28.57		27.89		29.93		
	40	28.09		29.99		29.22		
	50	30.54		26.70		30.48		
3.4 V	25	26.57		22.05		16.79		
4.4 V	25	26.22		25.15		22.96		

EDGE 1900								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 1850.2 MHz		Middle channel 1880 MHz		High channel 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	20.31	±4625.5	21.89	±4700.0	17.60	±4774.5	PASS
	-30	18.60		16.21		14.85		
	-20	14.75		15.46		17.01		
	-10	15.72		15.14		17.37		
	0	14.63		15.63		15.50		
	10	13.50		14.92		17.34		
	20	16.01		15.88		16.47		
	25	19.53		18.79		17.40		
	30	17.27		21.76		14.63		

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	40	16.24		16.18		13.40		
	50	14.17		15.24		13.43		
3.4 V	25	14.53		18.66		15.92		
4.4 V	25	14.85		20.60		16.92		

Frequency Stability Measurement Results for WCDMA

WCDMA Band II								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 1852.4 MHz		Middle channel 1880 MHz		High channel 1907.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	2.16	±4631	-0.25	±4700	-4.30	±4769	PASS
	-30	-0.77		-0.74		-1.12		
	-20	0.69		0.06		-1.38		
	-10	0.95		0.28		-1.54		
	0	-1.24		-0.39		-1.04		
	10	0.10		-0.83		-1.72		
	20	-1.43		-0.44		-1.17		
	25	0.72		-1.65		-5.24		
	30	2.46		-1.19		-4.46		
	40	2.36		-0.05		-4.86		
	50	3.17		-1.42		-4.72		
3.4 V	25	-0.89		-0.80		-0.70		
4.4 V	25	-0.47		-0.24		-0.04		

WCDMA Band IV								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 1712.4 MHz		Middle channel 1732.4 MHz		High channel 1752.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	9.01	±4281	-0.54	±4331	-8.69	±4381.5	PASS
	-30	9.10		-1.27		-8.23		
	-20	0.66		-1.22		-0.68		
	-10	1.24		-1.18		0.17		
	0	0.59		-1.07		0.64		
	10	0.65		-1.26		-0.89		
	20	0.96		-0.97		-0.16		

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	25	8.92		-2.75		-8.88		
	30	0.28		-2.47		-0.46		
	40	7.85		-1.61		-8.15		
	50	7.25		-2.46		-7.45		
3.4 V	25	0.82		-1.27		0.56		
4.4 V	25	0.75		-1.18		-0.13		

WCDMA Band V								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 826.4 MHz		Middle channel 836.4 MHz		High channel 846.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	1.48	±2066	0.27	±2091	-0.80	±2116.5	PASS
	-30	1.77		0.79		-1.18		
	-20	-0.08		-0.26		0.21		
	-10	-0.23		-0.08		0.43		
	0	-0.16		0.76		0.49		
	10	0.11		0.92		0.54		
	20	-0.49		0.21		0.11		
	25	0.34		-0.59		-1.16		
	30	0.48		-0.13		0.42		
	40	1.52		0.40		-0.70		
	50	1.68		0.83		-1.58		
3.4 V	25	0.29		0.31		0.71		
4.4 V	25	-0.62		0.09		0.63		

Frequency Stability Measurement Results for LTE

FDD LTE Band 2						
Test Conditions		Frequency Deviation				Verdict
Power (V)	Temperature (°C)	QPSK 10MHz		16QAM 10MHz		
		Middle channel 1880 MHz		Middle channel 1880 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	1.77	±4700	-1.40	±4700	PASS
	-30	-1.24		-2.17		
	-20	-0.83		-0.39		
	-10	-0.79		0.50		

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	0	-0.56		-0.49		
	10	-1.79		-1.12		
	20	0.69		0.17		
	25	-2.20		-1.83		
	30	0.07		-0.31		
	40	-1.77		-1.42		
	50	-1.66		-1.53		
3.4 V	25	0.36		-1.20		
4.4 V	25	-0.26		0.67		

FDD LTE Band 4						
Test Conditions		Frequency Deviation				Verdict
Power (V)	Temperature (°C)	QPSK 10MHz		16QAM 10MHz		
		Middle channel 1732.5 MHz		Middle channel 1732.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	-0.36	±4331.25	-0.29	±4331.25	PASS
	-30	0.90		0.57		
	-20	-0.09		-0.14		
	-10	1.29		0.80		
	0	0.63		1.66		
	10	1.07		1.22		
	20	1.04		0.99		
	25	0.62		0.41		
	30	1.26		0.06		
	40	0.72		1.13		
	50	-0.72		1.29		
3.4 V	25	0.74		0.72		
4.4 V	25	0.57		1.57		

FDD LTE Band 5						
Test Conditions		Frequency Deviation				Verdict
Power (V)	Temperature (°C)	QPSK 10MHz		16QAM 10MHz		
		Middle channel 836.5 MHz		Middle channel 836.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	-0.09	±2091.25	-0.09	±2091.25	PASS

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	-30	0.90		1.73		
	-20	1.13		2.30		
	-10	0.47		0.60		
	0	1.47		1.37		
	10	0.97		1.10		
	20	-0.04		1.73		
	25	0.19		0.04		
	30	-0.51		-0.20		
	40	0.01		-0.14		
	50	-0.24		-0.10		
3.4 V	25	0.40		1.14		
4.4 V	25	0.24		1.47		

FDD LTE Band 7						
Test Conditions		Frequency Deviation				Verdict
Power (V)	Temperature (°C)	QPSK 10MHz		16QAM 10MHz		
		Middle channel 2535 MHz		Middle channel 2535 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	-1.36	±6337.5	-0.87	±6337.5	PASS
	-30	-2.79		-1.47		
	-20	-3.75		-1.73		
	-10	-3.16		-1.99		
	0	-3.03		-1.19		
	10	-2.88		-2.98		
	20	-3.36		-3.26		
	25	-4.88		-2.95		
	30	-2.20		-2.68		
	40	-1.92		-3.62		
	50	-2.62		-1.87		
	3.4 V	25		-1.53		
4.2 V	25	-2.23		-1.27		

TDD LTE Band 38				
Test Conditions		Frequency Deviation		
Power (V)	Temperature (°C)	QPSK 10MHz	16QAM 10MHz	Verdict
		Middle channel 2595 MHz	Middle channel 2595 MHz	

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		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	4.41	±6487.5	1.54	±6487.5	PASS
	-30	5.02		3.53		
	-20	-0.77		0.96		
	-10	1.49		-1.20		
	0	-3.00		-0.06		
	10	-0.73		0.33		
	20	-2.99		-2.88		
	25	-1.75		-1.09		
	30	-1.03		-2.19		
	40	1.56		3.18		
	50	3.73		3.08		
3.4 V	25	-1.56		-1.37		
4.4 V	25	-1.72		-0.50		

TDD LTE Band 41						
Test Conditions		Frequency Deviation				Verdict
Power (V)	Temperature (°C)	QPSK 10MHz		16QAM 10MHz		
		Middle channel 2593 MHz		Middle channel 2593 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.9 V	-35	3.09	±6482.5	4.84	±6482.5	PASS
	-30	1.56		2.72		
	-20	2.33		3.46		
	-10	3.96		3.65		
	0	1.90		2.72		
	10	3.83		2.42		
	20	3.82		3.23		
	25	4.22		4.02		
	30	4.79		3.28		
	40	6.49		4.51		
	50	4.23		3.15		
	3.4 V	25		1.60		
4.4 V	25	2.25	3.28			

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5.1.5 Spurious Emission at Antenna Terminals

Note(s):

1. GSM and EGPRS modes have been verified, and only the worst data with different bandwidth for LTE are shown here.
2. The frequencies of verdict which are marked by "N/A" should be ignored because they are MS carrier frequency.
3. Test plots please refer to the document "Annex No: SHE23060106-01AE Data EXHIBIT C".

Spurious Emission Measurement Results for GSM/WCDMA

Test Band	Channel	Refer to Plot ^{Note 3}	Verdict
GSM 850	Low	1.1	PASS
	Middle	1.2	PASS
	High	1.3	PASS
GSM 1900	Low	2.1	PASS
	Middle	2.2	PASS
	High	2.3	PASS
GRPS 850	Low	3.1	PASS
	Middle	3.2	PASS
	High	3.3	PASS
GRPS 1900	Low	4.1	PASS
	Middle	4.2	PASS
	High	4.3	PASS
EDGE 850	Low	5.1	PASS
	Middle	5.2	PASS
	High	5.3	PASS
EDGE 1900	Low	6.1	PASS
	Middle	6.2	PASS
	High	6.3	PASS
WCDMA Band II	Low	7.1	PASS
	Middle	7.2	PASS
	High	7.3	PASS
WCDMA Band IV	Low	8.1	PASS
	Middle	8.2	PASS
	High	8.3	PASS
WCDMA Band V	High	9.1	PASS
	Low	9.2	PASS
	Middle	9.3	PASS

Spurious Emission Measurement Results for LTE

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FDD LTE Band 2					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 3}	Verdict
1.4 MHz	Low	QPSK	RB1#0	10.1	PASS
		16QAM	RB1#0	10.2	PASS
	Middle	QPSK	RB1#0	10.3	PASS
		16QAM	RB1#0	10.4	PASS
	High	QPSK	RB1#0	10.5	PASS
		16QAM	RB1#0	10.6	PASS
3 MHz	Low	QPSK	RB1#0	10.7	PASS
		16QAM	RB1#0	10.8	PASS
	Middle	QPSK	RB1#0	10.9	PASS
		16QAM	RB1#0	10.10	PASS
	High	QPSK	RB1#0	10.11	PASS
		16QAM	RB1#0	10.12	PASS
5 MHz	Low	QPSK	RB1#0	10.13	PASS
		16QAM	RB1#0	10.14	PASS
	Middle	QPSK	RB1#0	10.15	PASS
		16QAM	RB1#0	10.16	PASS
	High	QPSK	RB1#0	10.17	PASS
		16QAM	RB1#0	10.18	PASS
10 MHz	Low	QPSK	RB1#0	10.19	PASS
		16QAM	RB1#0	10.20	PASS
	Middle	QPSK	RB1#0	10.21	PASS
		16QAM	RB1#0	10.22	PASS
	High	QPSK	RB1#0	10.23	PASS
		16QAM	RB1#0	10.24	PASS
15 MHz	Low	QPSK	RB1#0	10.25	PASS
		16QAM	RB1#0	10.26	PASS
	Middle	QPSK	RB1#0	10.27	PASS
		16QAM	RB1#0	10.28	PASS
	High	QPSK	RB1#0	10.29	PASS
		16QAM	RB1#0	10.30	PASS
20 MHz	Low	QPSK	RB1#0	10.31	PASS
		16QAM	RB1#0	10.32	PASS
	Middle	QPSK	RB1#0	10.33	PASS
		16QAM	RB1#0	10.34	PASS
	High	QPSK	RB1#0	10.35	PASS
		16QAM	RB1#0	10.36	PASS

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FDD LTE Band 4					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 3}	Verdict
1.4 MHz	Low	QPSK	RB1#0	11.1	PASS
		16QAM	RB1#0	11.2	PASS
	Middle	QPSK	RB1#0	11.3	PASS
		16QAM	RB1#0	11.4	PASS
	High	QPSK	RB1#0	11.5	PASS
		16QAM	RB1#0	11.6	PASS
3 MHz	Low	QPSK	RB1#0	11.7	PASS
		16QAM	RB1#0	11.8	PASS
	Middle	QPSK	RB1#0	11.9	PASS
		16QAM	RB1#0	11.10	PASS
	High	QPSK	RB1#0	11.11	PASS
		16QAM	RB1#0	11.12	PASS
5 MHz	Low	QPSK	RB1#0	11.13	PASS
		16QAM	RB1#0	11.14	PASS
	Middle	QPSK	RB1#0	11.15	PASS
		16QAM	RB1#0	11.16	PASS
	High	QPSK	RB1#0	11.17	PASS
		16QAM	RB1#0	11.18	PASS
10 MHz	Low	QPSK	RB1#0	11.19	PASS
		16QAM	RB1#0	11.20	PASS
	Middle	QPSK	RB1#0	11.21	PASS
		16QAM	RB1#0	11.22	PASS
	High	QPSK	RB1#0	11.23	PASS
		16QAM	RB1#0	11.24	PASS
15 MHz	Low	QPSK	RB1#0	11.25	PASS
		16QAM	RB1#0	11.26	PASS
	Middle	QPSK	RB1#0	11.27	PASS
		16QAM	RB1#0	11.28	PASS
	High	QPSK	RB1#0	11.29	PASS
		16QAM	RB1#0	11.30	PASS
20 MHz	Low	QPSK	RB1#0	11.31	PASS
		16QAM	RB1#0	11.32	PASS
	Middle	QPSK	RB1#0	11.33	PASS
		16QAM	RB1#0	11.34	PASS
	High	QPSK	RB1#0	11.35	PASS
		16QAM	RB1#0	11.36	PASS

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FDD LTE Band 5					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 3}	Verdict
1.4 MHz	Low	QPSK	RB1#0	12.1	PASS
		16QAM	RB1#0	12.2	PASS
	Middle	QPSK	RB1#0	12.3	PASS
		16QAM	RB1#0	12.4	PASS
	High	QPSK	RB1#0	12.5	PASS
		16QAM	RB1#0	12.6	PASS
3 MHz	Low	QPSK	RB1#0	12.7	PASS
		16QAM	RB1#0	12.8	PASS
	Middle	QPSK	RB1#0	12.9	PASS
		16QAM	RB1#0	12.10	PASS
	High	QPSK	RB1#0	12.11	PASS
		16QAM	RB1#0	12.12	PASS
5 MHz	Low	QPSK	RB1#0	12.13	PASS
		16QAM	RB1#0	12.14	PASS
	Middle	QPSK	RB1#0	12.15	PASS
		16QAM	RB1#0	12.16	PASS
	High	QPSK	RB1#0	12.17	PASS
		16QAM	RB1#0	12.18	PASS
10 MHz	Low	QPSK	RB1#0	12.19	PASS
		16QAM	RB1#0	12.20	PASS
	Middle	QPSK	RB1#0	12.21	PASS
		16QAM	RB1#0	12.22	PASS
	High	QPSK	RB1#0	12.23	PASS
		16QAM	RB1#0	12.24	PASS

FDD LTE Band 7					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 3}	Verdict
5 MHz	Low	QPSK	RB1#0	13.1	PASS
		16QAM	RB1#0	13.2	PASS
	Middle	QPSK	RB1#0	13.3	PASS
		16QAM	RB1#0	13.4	PASS
	High	QPSK	RB1#0	13.5	PASS
		16QAM	RB1#0	13.6	PASS
10 MHz	Low	QPSK	RB1#0	13.7	PASS
		16QAM	RB1#0	13.8	PASS
	Middle	QPSK	RB1#0	13.9	PASS

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	High	16QAM	RB1#0	13.10	PASS
		QPSK	RB1#0	13.11	PASS
		16QAM	RB1#0	13.12	PASS
15 MHz	Low	QPSK	RB1#0	13.13	PASS
		16QAM	RB1#0	13.14	PASS
	Middle	QPSK	RB1#0	13.15	PASS
		16QAM	RB1#0	13.16	PASS
	High	QPSK	RB1#0	13.17	PASS
		16QAM	RB1#0	13.18	PASS
20 MHz	Low	QPSK	RB1#0	13.19	PASS
		16QAM	RB1#0	13.20	PASS
	Middle	QPSK	RB1#0	13.21	PASS
		16QAM	RB1#0	13.22	PASS
	High	QPSK	RB1#0	13.23	PASS
		16QAM	RB1#0	13.24	PASS

TDD LTE Band 38					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 3}	Verdict
5 MHz	Low	QPSK	RB1#0	14.1	PASS
		16QAM	RB1#0	14.2	PASS
	Middle	QPSK	RB1#0	14.3	PASS
		16QAM	RB1#0	14.4	PASS
	High	QPSK	RB1#0	14.5	PASS
		16QAM	RB1#0	14.6	PASS
10 MHz	Low	QPSK	RB1#0	14.7	PASS
		16QAM	RB1#0	14.8	PASS
	Middle	QPSK	RB1#0	14.9	PASS
		16QAM	RB1#0	14.10	PASS
	High	QPSK	RB1#0	14.11	PASS
		16QAM	RB1#0	14.12	PASS
15 MHz	Low	QPSK	RB1#0	14.13	PASS
		16QAM	RB1#0	14.14	PASS
	Middle	QPSK	RB1#0	14.15	PASS
		16QAM	RB1#0	14.16	PASS
	High	QPSK	RB1#0	14.17	PASS
		16QAM	RB1#0	14.18	PASS
20 MHz	Low	QPSK	RB1#0	14.19	PASS
		16QAM	RB1#0	14.20	PASS
	Middle	QPSK	RB1#0	14.21	PASS

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	High	16QAM	RB1#0	14.22	PASS
		QPSK	RB1#0	14.23	PASS
		16QAM	RB1#0	14.24	PASS

TDD LTE Band 41

Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 3}	Verdict
5 MHz	Low	QPSK	RB1#0	15.1	PASS
		16QAM	RB1#0	15.2	PASS
	Middle	QPSK	RB1#0	15.3	PASS
		16QAM	RB1#0	15.4	PASS
	High	QPSK	RB1#0	15.5	PASS
		16QAM	RB1#0	15.6	PASS
10 MHz	Low	QPSK	RB1#0	15.7	PASS
		16QAM	RB1#0	15.8	PASS
	Middle	QPSK	RB1#0	15.9	PASS
		16QAM	RB1#0	15.10	PASS
	High	QPSK	RB1#0	15.11	PASS
		16QAM	RB1#0	15.12	PASS
15 MHz	Low	QPSK	RB1#0	15.13	PASS
		16QAM	RB1#0	15.14	PASS
	Middle	QPSK	RB1#0	15.15	PASS
		16QAM	RB1#0	15.16	PASS
	High	QPSK	RB1#0	15.17	PASS
		16QAM	RB1#0	15.18	PASS
20 MHz	Low	QPSK	RB1#0	15.19	PASS
		16QAM	RB1#0	15.20	PASS
	Middle	QPSK	RB1#0	15.21	PASS
		16QAM	RB1#0	15.22	PASS
	High	QPSK	RB1#0	15.23	PASS
		16QAM	RB1#0	15.24	PASS

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5.1.6 Band Edge

Note(s):

1. Test plots please refer to the document “Annex No: SHE23060106-01AE Data EXHIBIT D”.

Band Edge Measurement Results for GSM/WCDMA

Test Band	Channel	Refer to Plot ^{Note 1}	Verdict
GSM 850	Low	1.1	PASS
	High	1.2	PASS
GSM 1900	Low	2.1	PASS
	High	2.2	PASS
GRPS 850	Low	3.1	PASS
	High	3.2	PASS
GRPS 1900	Low	4.1	PASS
	High	4.2	PASS
EDGE 850	Low	5.1	PASS
	High	5.2	PASS
EDGE 1900	Low	6.1	PASS
	High	6.2	PASS
WCDMA Band II	Low	7.1	PASS
	High	7.2	PASS
WCDMA Band IV	Low	8.1	PASS
	High	8.2	PASS
WCDMA Band V	Low	9.1	PASS
	High	9.2	PASS

Band Edge Measurement Results for LTE

FDD LTE Band 2					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 1}	Verdict
1.4 MHz	Low	QPSK	RB1#0	10.1	PASS
			RB6#0	10.2	PASS
		16QAM	RB1#0	10.3	PASS
			RB6#0	10.4	PASS
	High	QPSK	RB1#0	10.5	PASS
			RB6#0	10.6	PASS
		16QAM	RB1#0	10.7	PASS
			RB6#0	10.8	PASS

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3 MHz	Low	QPSK	RB1#0	10.9	PASS
			RB15#0	10.10	PASS
		16QAM	RB1#0	10.11	PASS
			RB15#0	10.12	PASS
	High	QPSK	RB1#0	10.13	PASS
			RB15#0	10.14	PASS
		16QAM	RB1#0	10.15	PASS
			RB15#0	10.16	PASS
5 MHz	Low	QPSK	RB1#0	10.17	PASS
			RB25#0	10.18	PASS
		16QAM	RB1#0	10.19	PASS
			RB25#0	10.20	PASS
	High	QPSK	RB1#0	10.21	PASS
			RB25#0	10.22	PASS
		16QAM	RB1#0	10.23	PASS
			RB25#0	10.24	PASS
10 MHz	Low	QPSK	RB1#0	10.25	PASS
			RB50#0	10.26	PASS
		16QAM	RB1#0	10.27	PASS
			RB50#0	10.28	PASS
	High	QPSK	RB1#0	10.29	PASS
			RB50#0	10.30	PASS
		16QAM	RB1#0	10.31	PASS
			RB50#0	10.32	PASS
15 MHz	Low	QPSK	RB1#0	10.33	PASS
			RB75#0	10.34	PASS
		16QAM	RB1#0	10.35	PASS
			RB75#0	10.36	PASS
	High	QPSK	RB1#0	10.37	PASS
			RB75#0	10.38	PASS
		16QAM	RB1#0	10.39	PASS
			RB75#0	10.40	PASS
20 MHz	Low	QPSK	RB1#0	10.41	PASS
			RB100#0	10.42	PASS
		16QAM	RB1#0	10.43	PASS
			RB100#0	10.44	PASS
	High	QPSK	RB1#0	10.45	PASS
			RB100#0	10.46	PASS
		16QAM	RB1#0	10.47	PASS
			RB100#0	10.48	PASS

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FDD LTE Band 4					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 1}	Verdict
1.4 MHz	Low	QPSK	RB1#0	11.1	PASS
			RB6#0	11.2	PASS
		16QAM	RB1#0	11.3	PASS
			RB6#0	11.4	PASS
	High	QPSK	RB1#0	11.5	PASS
			RB6#0	11.6	PASS
		16QAM	RB1#0	11.7	PASS
			RB6#0	11.8	PASS
3 MHz	Low	QPSK	RB1#0	11.9	PASS
			RB15#0	11.10	PASS
		16QAM	RB1#0	11.11	PASS
			RB15#0	11.12	PASS
	High	QPSK	RB1#0	11.13	PASS
			RB15#0	11.14	PASS
		16QAM	RB1#0	11.15	PASS
			RB15#0	11.16	PASS
5 MHz	Low	QPSK	RB1#0	11.17	PASS
			RB25#0	11.18	PASS
		16QAM	RB1#0	11.19	PASS
			RB25#0	11.20	PASS
	High	QPSK	RB1#0	11.21	PASS
			RB25#0	11.22	PASS
		16QAM	RB1#0	11.23	PASS
			RB25#0	11.24	PASS
10 MHz	Low	QPSK	RB1#0	11.25	PASS
			RB50#0	11.26	PASS
		16QAM	RB1#0	11.27	PASS
			RB50#0	11.28	PASS
	High	QPSK	RB1#0	11.29	PASS
			RB50#0	11.30	PASS
		16QAM	RB1#0	11.31	PASS
			RB50#0	11.32	PASS
15 MHz	Low	QPSK	RB1#0	11.33	PASS
			RB75#0	11.34	PASS
		16QAM	RB1#0	11.35	PASS
			RB75#0	11.36	PASS

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20 MHz	High	QPSK	RB1#0	11.37	PASS
			RB75#0	11.38	PASS
		16QAM	RB1#0	11.39	PASS
			RB75#0	11.40	PASS
	Low	QPSK	RB1#0	11.41	PASS
			RB100#0	11.42	PASS
		16QAM	RB1#0	11.43	PASS
			RB100#0	11.44	PASS
20 MHz	High	QPSK	RB1#0	11.45	PASS
			RB100#0	11.46	PASS
		16QAM	RB1#0	11.47	PASS
			RB100#0	11.48	PASS

FDD LTE Band 5					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 1}	Verdict
1.4 MHz	Low	QPSK	RB1#0	12.1	PASS
			RB6#0	12.2	PASS
		16QAM	RB1#0	12.3	PASS
			RB6#0	12.4	PASS
	High	QPSK	RB1#0	12.5	PASS
			RB6#0	12.6	PASS
		16QAM	RB1#0	12.7	PASS
			RB6#0	12.8	PASS
3 MHz	Low	QPSK	RB1#0	12.9	PASS
			RB15#0	12.10	PASS
		16QAM	RB1#0	12.11	PASS
			RB15#0	12.12	PASS
	High	QPSK	RB1#0	12.13	PASS
			RB15#0	12.14	PASS
		16QAM	RB1#0	12.15	PASS
			RB15#0	12.16	PASS
5 MHz	Low	QPSK	RB1#0	12.17	PASS
			RB25#0	12.18	PASS
		16QAM	RB1#0	12.19	PASS
			RB25#0	12.20	PASS
	High	QPSK	RB1#0	12.21	PASS
			RB25#0	12.22	PASS
		16QAM	RB1#0	12.23	PASS
			RB25#0	12.24	PASS

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10 MHz	Low	QPSK	RB1#0	12.25	PASS
			RB50#0	12.26	PASS
		16QAM	RB1#0	12.27	PASS
			RB50#0	12.28	PASS
	High	QPSK	RB1#0	12.29	PASS
			RB50#0	12.30	PASS
		16QAM	RB1#0	12.31	PASS
			RB50#0	12.32	PASS

FDD LTE Band 7					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 1}	Verdict
5 MHz	Low	QPSK	RB1#0	13.1	PASS
			RB25#0	13.2	PASS
		16QAM	RB1#0	13.3	PASS
			RB25#0	13.4	PASS
	High	QPSK	RB1#0	13.5	PASS
			RB25#0	13.6	PASS
		16QAM	RB1#0	13.7	PASS
			RB25#0	13.8	PASS
10 MHz	Low	QPSK	RB1#0	13.9	PASS
			RB50#0	13.10	PASS
		16QAM	RB1#0	13.11	PASS
			RB50#0	13.12	PASS
	High	QPSK	RB1#0	13.13	PASS
			RB50#0	13.14	PASS
		16QAM	RB1#0	13.15	PASS
			RB50#0	13.16	PASS
15 MHz	Low	QPSK	RB1#0	13.17	PASS
			RB75#0	13.18	PASS
		16QAM	RB1#0	13.19	PASS
			RB75#0	13.20	PASS
	High	QPSK	RB1#0	13.21	PASS
			RB75#0	13.22	PASS
		16QAM	RB1#0	13.23	PASS
			RB75#0	13.24	PASS
20 MHz	Low	QPSK	RB1#0	13.25	PASS
			RB100#0	13.26	PASS
		16QAM	RB1#0	13.27	PASS
			RB100#0	13.28	PASS

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	High	QPSK	RB1#0	13.29	PASS
			RB100#0	13.30	PASS
		16QAM	RB1#0	13.31	PASS
			RB100#0	13.32	PASS

TDD LTE Band 38					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 1}	Verdict
5 MHz	Low	QPSK	RB1#0	14.1	PASS
			RB25#0	14.2	PASS
		16QAM	RB1#0	14.3	PASS
			RB25#0	14.4	PASS
	High	QPSK	RB1#0	14.5	PASS
			RB25#0	14.6	PASS
		16QAM	RB1#0	14.7	PASS
			RB25#0	14.8	PASS
10 MHz	Low	QPSK	RB1#0	14.9	PASS
			RB50#0	14.10	PASS
		16QAM	RB1#0	14.11	PASS
			RB50#0	14.12	PASS
	High	QPSK	RB1#0	14.13	PASS
			RB50#0	14.14	PASS
		16QAM	RB1#0	14.15	PASS
			RB50#0	14.16	PASS
15 MHz	Low	QPSK	RB1#0	14.17	PASS
			RB75#0	14.18	PASS
		16QAM	RB1#0	14.19	PASS
			RB75#0	14.20	PASS
	High	QPSK	RB1#0	14.21	PASS
			RB75#0	14.22	PASS
		16QAM	RB1#0	14.23	PASS
			RB75#0	14.24	PASS
20 MHz	Low	QPSK	RB1#0	14.25	PASS
			RB100#0	14.26	PASS
		16QAM	RB1#0	14.27	PASS
			RB100#0	14.28	PASS
	High	QPSK	RB1#0	14.29	PASS
			RB100#0	14.30	PASS
		16QAM	RB1#0	14.31	PASS
			RB100#0	14.32	PASS

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TDD LTE Band 41					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 1}	Verdict
5 MHz	Low	QPSK	RB1#0	15.1	PASS
			RB25#0	15.2	PASS
		16QAM	RB1#0	15.3	PASS
			RB25#0	15.4	PASS
	High	QPSK	RB1#0	15.5	PASS
			RB25#0	15.6	PASS
		16QAM	RB1#0	15.7	PASS
			RB25#0	15.8	PASS
10 MHz	Low	QPSK	RB1#0	15.9	PASS
			RB50#0	15.10	PASS
		16QAM	RB1#0	15.11	PASS
			RB50#0	15.12	PASS
	High	QPSK	RB1#0	15.13	PASS
			RB50#0	15.14	PASS
		16QAM	RB1#0	15.15	PASS
			RB50#0	15.16	PASS
15 MHz	Low	QPSK	RB1#0	15.17	PASS
			RB75#0	15.18	PASS
		16QAM	RB1#0	15.19	PASS
			RB75#0	15.20	PASS
	High	QPSK	RB1#0	15.21	PASS
			RB75#0	15.22	PASS
		16QAM	RB1#0	15.23	PASS
			RB75#0	15.24	PASS
20 MHz	Low	QPSK	RB1#0	15.25	PASS
			RB100#0	15.26	PASS
		16QAM	RB1#0	15.27	PASS
			RB100#0	15.28	PASS
	High	QPSK	RB1#0	15.29	PASS
			RB100#0	15.30	PASS
		16QAM	RB1#0	15.31	PASS
			RB100#0	15.32	PASS

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5.1.7 Field Strength of Spurious Radiation

Note(s):

1. GSM and EGPRS modes have been verified, only the worst data with different transmit bandwidth for LTE and NR are shown here.
2. The frequencies of verdict which are marked by "N/A" should be ignored because they are MS carrier frequency.
3. When measurement frequency is above 18GHz, there is only noise floor of test system existing. So that there is no test data above 18GHz in the report.
4. Test plots please refer to the document:
"SHE23060106-01AE Data FCC PCE GSM TX EXHIBIT E GSM850 GSM1900".
"SHE23060106-01AE Data FCC PCE WCDMA TX EXHIBIT E W2 W4 W5".
"SHE23060106-01AE Data FCC PCE LTE TX EXHIBIT E B2 B4 B5 B7 B38 B41".

Field Strength of Spurious Radiation Measurement Results for GSM/WCDMA

Test Band	Channel	Refer to Plot ^{Note 4}	Verdict
GSM 850	Middle	--	PASS
GSM 1900	Middle	--	PASS
GPRS 850	Middle	--	PASS
GPRS 1900	Middle	--	PASS
EDGE 850	Middle	--	PASS
EDGE 1900	Middle	--	PASS
WCDMA Band II	Middle	--	PASS
WCDMA Band IV	Middle	--	PASS
WCDMA Band V	Middle	--	PASS

Field Strength of Spurious Radiation Measurement Results for LTE

FDD LTE Band 2					
Test BW	Channel	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 4}	Verdict
1.4 MHz	Middle	QPSK	RB1#0	--	Pass
3 MHz	Middle	QPSK	RB1#0	--	Pass
5 MHz	Middle	QPSK	RB1#0	--	Pass
10 MHz	Middle	QPSK	RB1#0	--	Pass
15 MHz	Middle	QPSK	RB1#0	--	Pass
20 MHz	Middle	QPSK	RB1#0	--	Pass

FDD LTE Band 4					
Test BW	Channel	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 4}	Verdict
1.4 MHz	Middle	QPSK	RB1#0	--	Pass
3 MHz	Middle	QPSK	RB1#0	--	Pass

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5 MHz	Middle	QPSK	RB1#0	--	Pass
10 MHz	Middle	QPSK	RB1#0	--	Pass
15 MHz	Middle	QPSK	RB1#0	--	Pass
20 MHz	Middle	QPSK	RB1#0	--	Pass

FDD LTE Band 5

Test BW	Channel	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 4}	Verdict
1.4 MHz	Middle	QPSK	RB1#0	--	Pass
3 MHz	Middle	QPSK	RB1#0	--	Pass
5 MHz	Middle	QPSK	RB1#0	--	Pass
10 MHz	Middle	QPSK	RB1#0	--	Pass

FDD LTE Band 7

Test BW	Channel	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 4}	Verdict
5 MHz	Middle	QPSK	RB1#0	--	Pass
10 MHz	Middle	QPSK	RB1#0	--	Pass
15 MHz	Middle	QPSK	RB1#0	--	Pass
20 MHz	Middle	QPSK	RB1#0	--	Pass

TDD LTE Band 38

Test BW	Channel	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 4}	Verdict
5 MHz	Middle	QPSK	RB1#0	--	Pass
10 MHz	Middle	QPSK	RB1#0	--	Pass
15 MHz	Middle	QPSK	RB1#0	--	Pass
20 MHz	Middle	QPSK	RB1#0	--	Pass

TDD LTE Band 41

Test BW	Channel	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 4}	Verdict
5 MHz	Middle	QPSK	RB1#0	--	Pass
10 MHz	Middle	QPSK	RB1#0	--	Pass
15 MHz	Middle	QPSK	RB1#0	--	Pass
20 MHz	Middle	QPSK	RB1#0	--	Pass

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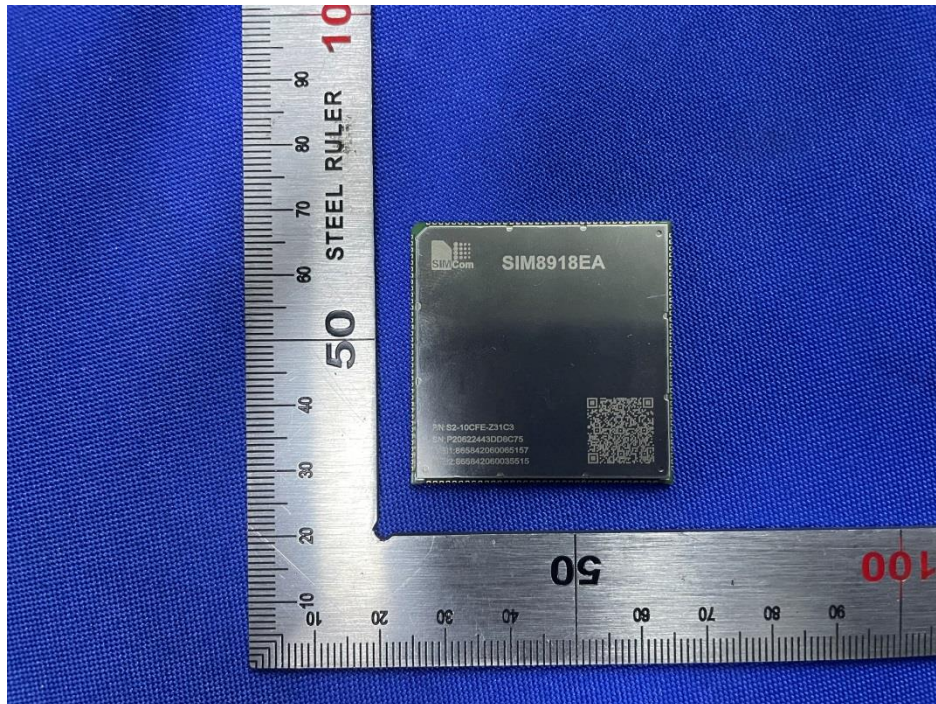
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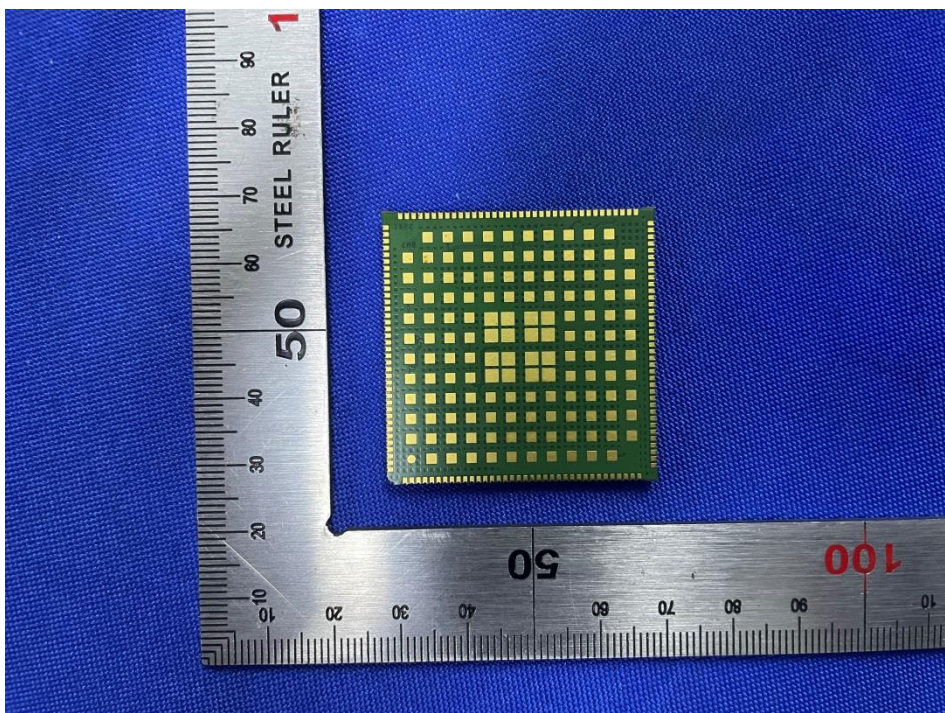
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6 Photos

6.1 Photographs of the Sample



Front of the sample



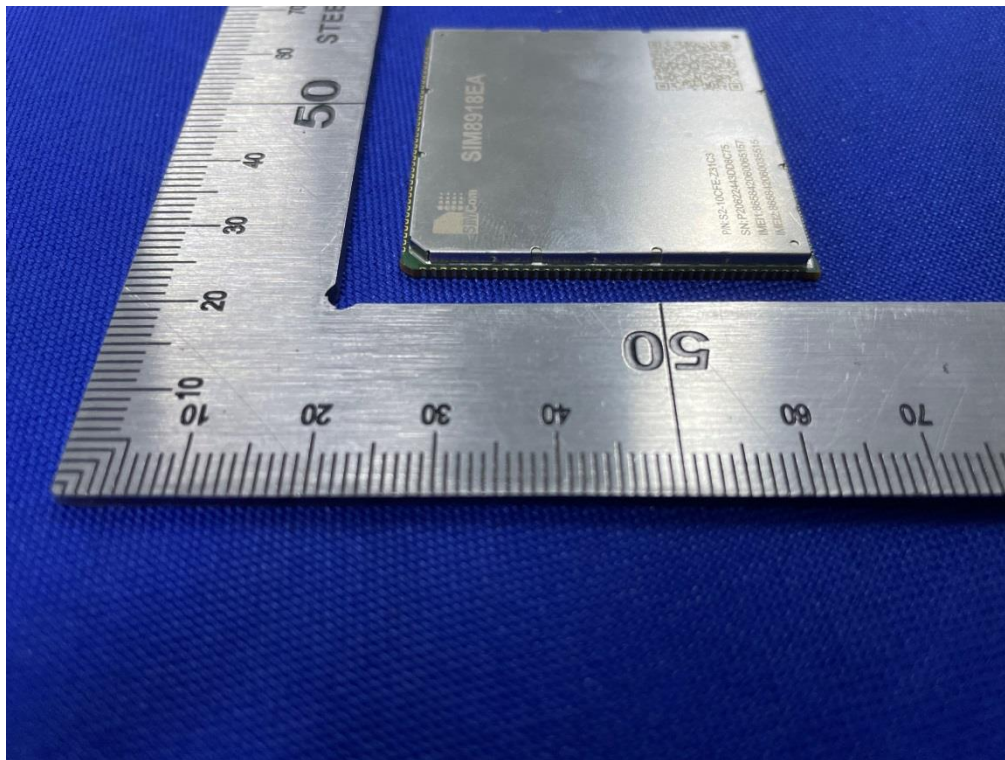
Rear of the sample

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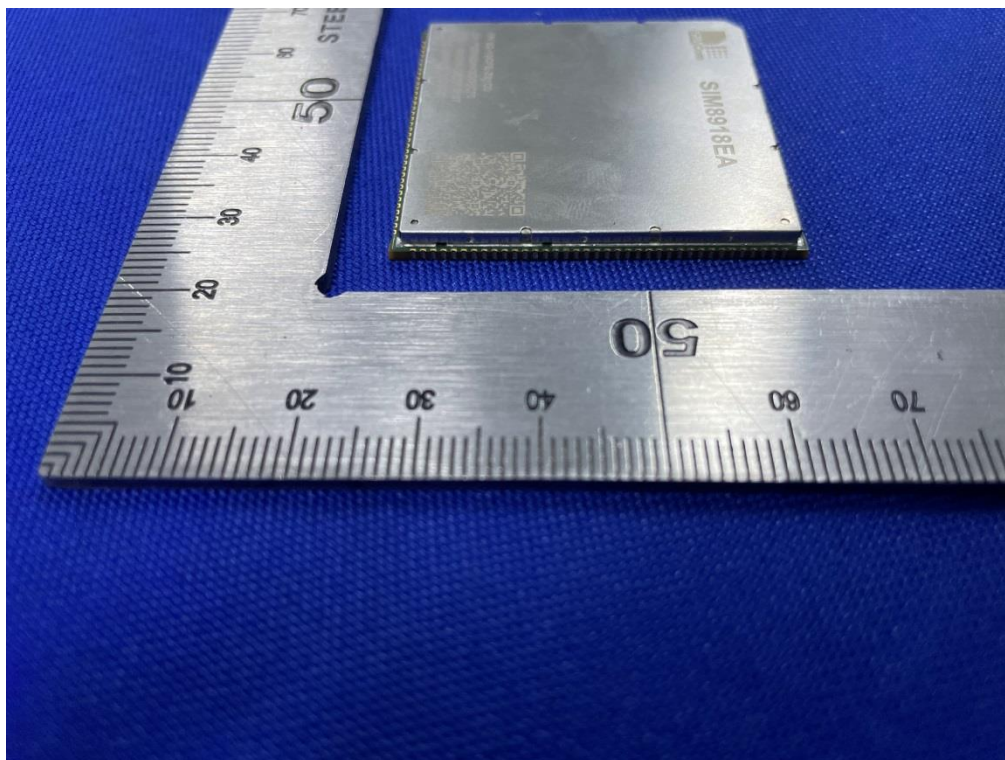
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Left of the sample



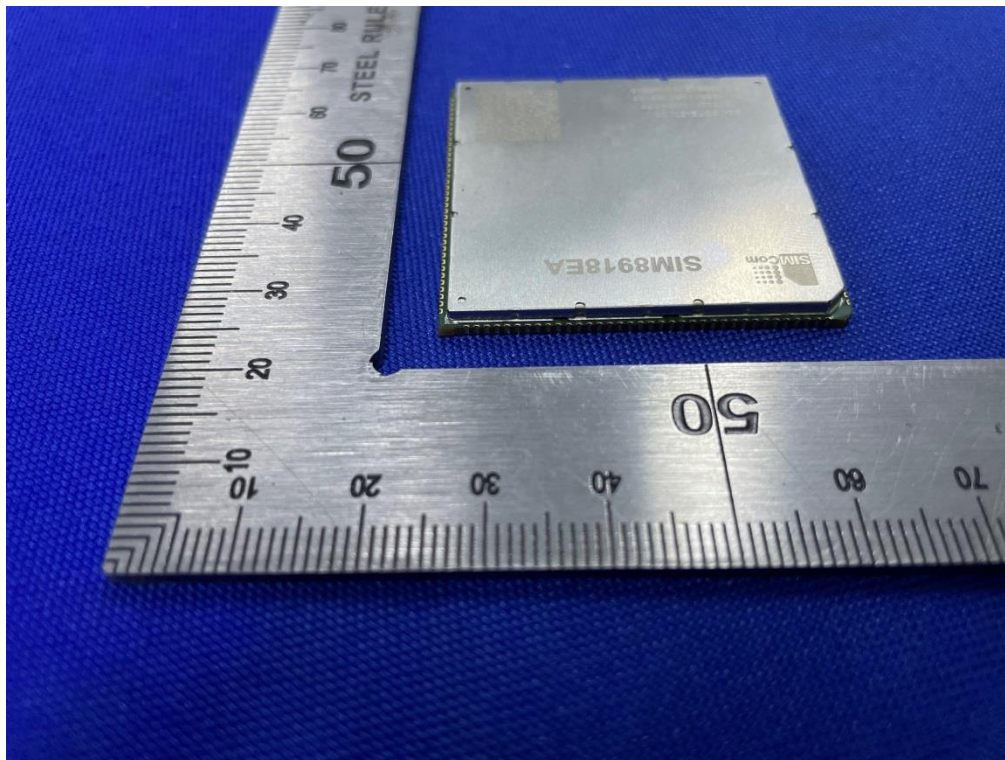
Right of the sample

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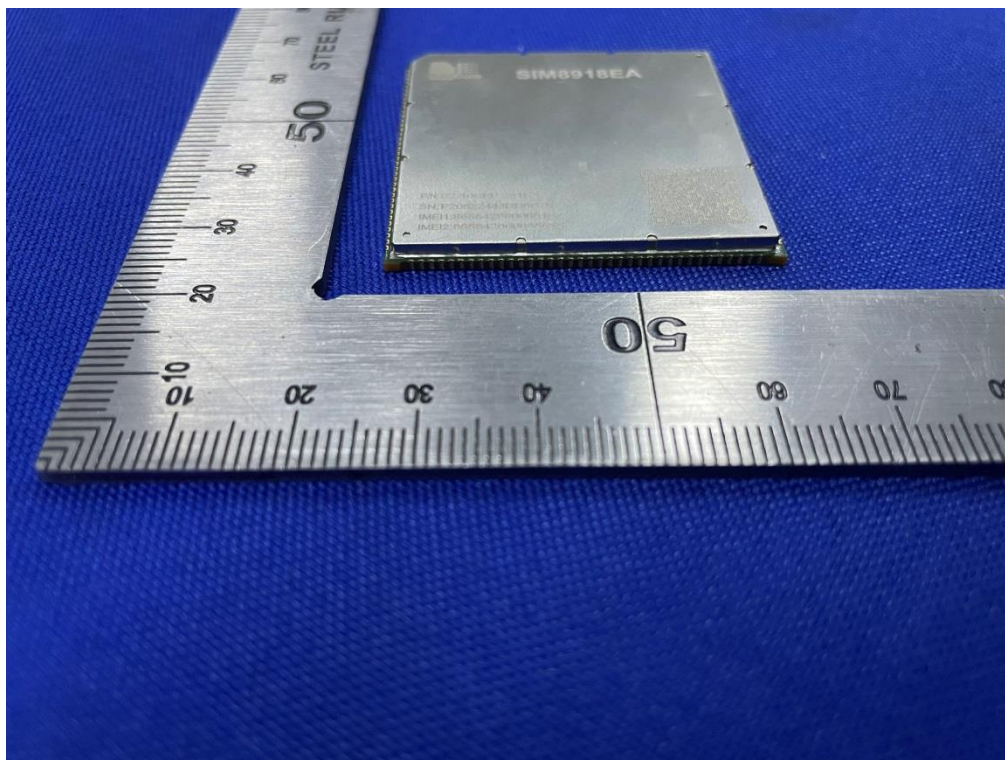
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Top of the sample



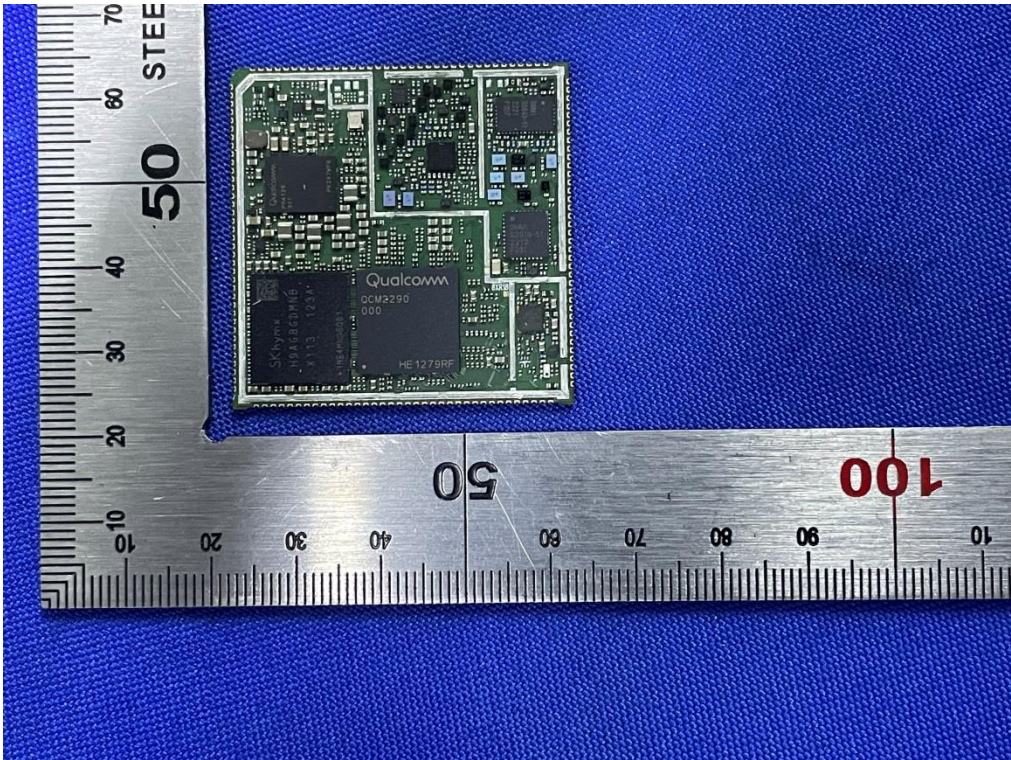
Bottom of the sample

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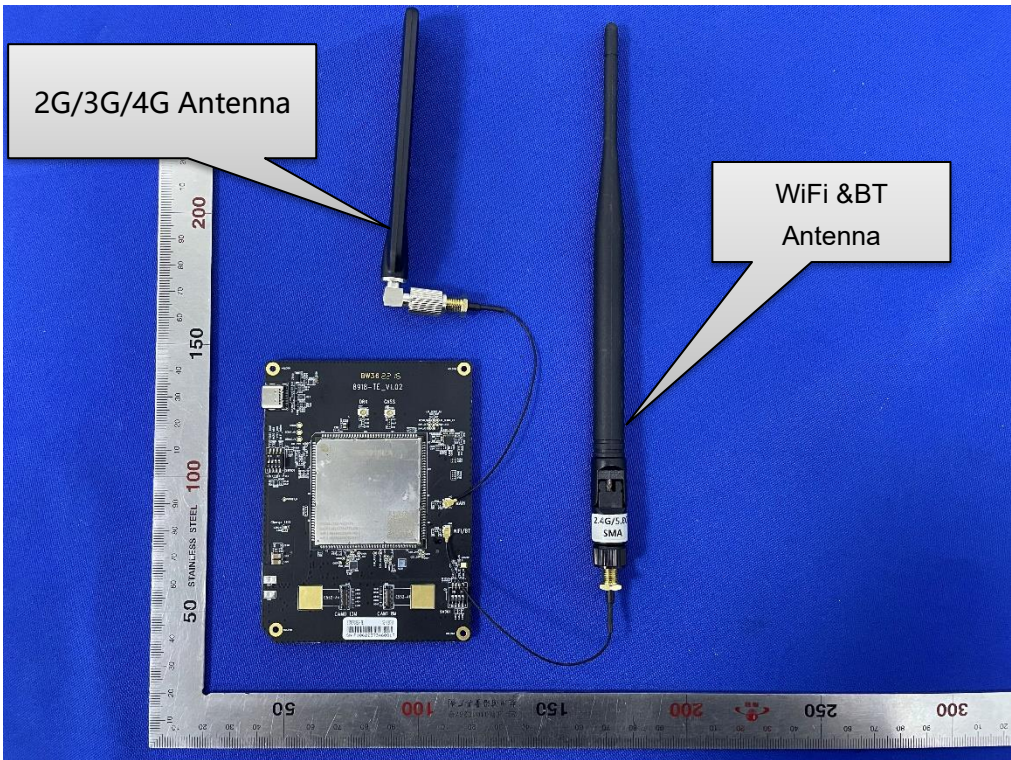
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Internal-1 of the sample



Antenna Photo

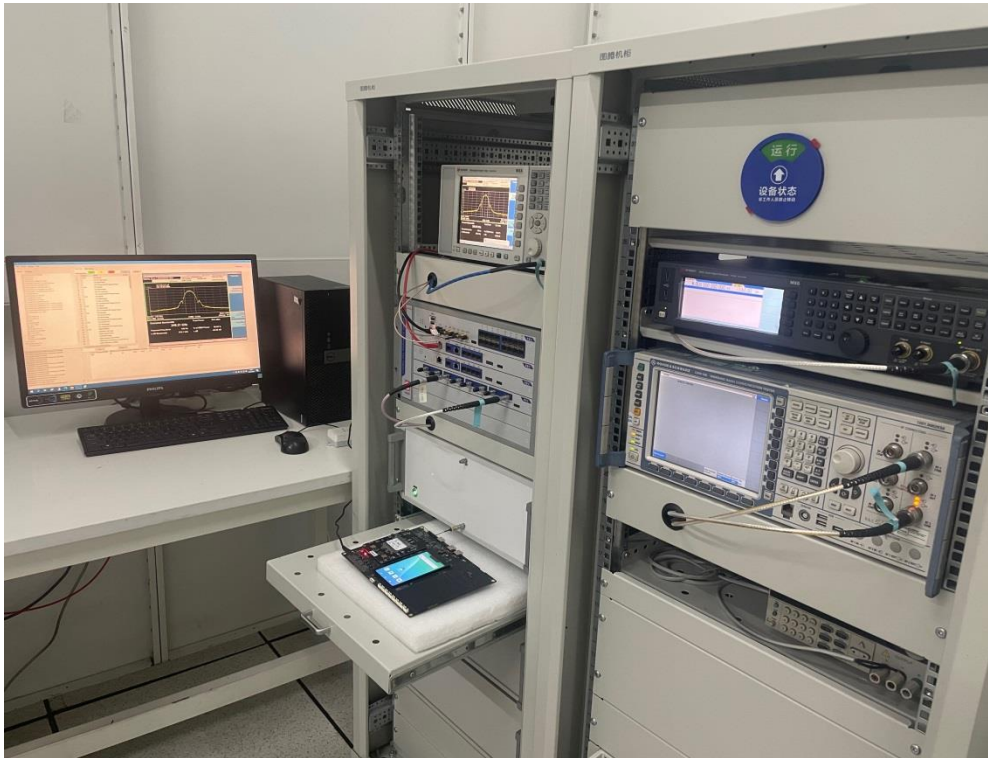
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6.2 Set-up for Conducted RF test at Antenna Port



6.3 Set-up for Spurious Emissions below 1GHz



Below 1 GHz

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6.4 Set-up for Spurious Emissions above 1GHz



Above 1GHz

End of the report