FCC TEST REPORT

(PART 27)

Applicant:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

Manufacturer or Supplier:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Product:	Mobile Phone
Brand Name:	POCO
Model Name:	2201117PG
FCC ID:	2AFZZ117PG
Date of tests:	Nov. 01, 2021 ~ Dec. 04, 2021

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 27, Subpart C, M** ☒ **ANSI/TIA/EIA-603-D**
☒ **FCC Part 2** ☒ **ANSI/TIA/EIA-603-E** ☒ **ANSI C63.26-2015**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
Simon Date: Dec. 04, 2021	Luke Lu Date: Dec. 04, 2021

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TABLE OF CONTENTS

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P21100027RF16	Original release	Dec. 04, 2021

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 27 & PART 2		
STANDARD SECTION	**1.1.1.1.1.1TEST TYPE AND LIMIT**	**RESULT**
2.1046 27.50(h)(2)	Equivalent Isotropically Radiated Power	Compliance
2.1055 27.54	Frequency Stability	Compliance
2.1049 27.53(m)(6)	Occupied Bandwidth	Compliance
2.1051 27.53(m)(4)(6)	Band Edge Measurements	Compliance
2.1051 27.53(m)(4)(6)	Conducted Spurious Emissions	Compliance
2.1053 27.53(m)(4)(6)	Radiated Spurious Emissions	Compliance

1.1 MEASREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
Frequency Stability	±76.97Hz
Radiated emissions & Radiated Power (30MHz~1GMHz)	±4.98dB
Radiated emissions & Radiated Power (1GMHz ~6GMHz)	±4.70dB
Radiated emissions (6GMHz ~18GMHz)	±4.60dB
Radiated emissions (18GMHz ~40GMHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Conducted Output power	±2.06dB
Band Edge Measurements	±4.70dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Apr. 22,21	Apr. 21,22
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	Jun. 03,21	Jun. 02,22
Bilog Antenna 2	ETS-LINDGREN	3143B	00161965	Mar. 05,21	Mar. 04,22
Horn Antenna 2	ETS-LINDGREN	3117	00168692	Apr. 02,21	Apr. 01,22
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Aug. 25, 21	Aug. 24, 22
Radio Communication Analyzer	ANRITSU	MT8820C	6201465426	Feb. 25,21	Feb. 24,22
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 02,21	Jun. 01,22
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 03,21	Jun. 02,22
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Apr. 22,21	Apr. 21,22
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	May. 20,21	May. 19,22
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	May. 19,22	May. 18,23
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	ADT	ADT_Radiated_V 7.6.15.9.2	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 03,21	Jun. 02,22
Power Meter	Anritsu	ML2495A	1506002	Apr. 07,21	Apr. 06,22
Power Sensor	Anritsu	MA2411B	1339352	May. 07,21	May. 06,22
Temperature Chamber	ESPEC	SH-242	93000855	Jun. 02,21	Jun. 01,22
MXG Analog Microvave Signal Generator	KEYSIGHT	N5183A	MY50143024	Mar. 05,21	Mar. 04,22
Power Divider	MCLI/USA	PS2-15	24880	N/A	N/A

NOTE: 1. The calibration interval of the above test instruments is 12 months or 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.

3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.

4. The FCC Site Registration No. is 525120; The Designation No. is CN1171.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Mobile Phone	
BRAND NAME	POCO	
MODEL NAME	2201117PG	
NOMINAL VOLTAGE	5.0V/9.0V/11.0V/12.0V/20.0Vdc(adapter or host equipment) 3.87Vdc (Li-ion, battery)	
MODULATION TECHNOLOGY	**WCDMA IV**	HSDPA, HSUPA, DC-HSDPA
	LTE	QPSK, 16QAM, 64QAM
FREQUENCY RANGE	**WCDMA IV**	1712.4MHz ~ 1752.6MHz
	LTE Band 4 Channel Bandwidth: 1.4MHz	1710.7MHz ~ 1754.3MHz
	LTE Band 4 Channel Bandwidth: 3MHz	1711.5MHz ~ 1753.5MHz
	LTE Band 4 Channel Bandwidth: 5MHz	1712.5MHz ~ 1752.5MHz
	LTE Band 4 Channel Bandwidth: 10MHz	1715MHz ~ 1750MHz
	LTE Band 4 Channel Bandwidth: 15MHz	1717.5MHz ~ 1747.5 MHz
	LTE Band 4 Channel Bandwidth: 20MHz	1720MHz ~ 1745MHz
	LTE Band 7 Channel Bandwidth: 5MHz	2502.5MHz ~ 2567.5MHz
	LTE Band 7 Channel Bandwidth: 10MHz	2505MHz ~ 2565MHz
	LTE Band 7 Channel Bandwidth: 15MHz	2507.5MHz ~ 2562.5MHz
	LTE Band 7 Channel Bandwidth: 20MHz	2510MHz ~ 2560MHz
	LTE Band CA_7C Channel Bandwidth: 10MHz+20MHz	2505.5MHz ~ 2560MHz
	LTE Band CA_7C Channel Bandwidth: 15MHz+10MHz	2507.5MHz ~ 2564.7MHz
	LTE Band CA_7C Channel Bandwidth: 15MHz+15MHz	2507.5MHz ~ 2562.5MHz
	LTE Band CA_7C Channel Bandwidth: 15MHz+20MHz	2507.8MHz ~ 2560MHz

FREQUENCY RANGE	**LTE Band CA_7C Channel Bandwidth: 20MHz+10MHz**	2510MHz ~ 2564.5MHz
	LTE Band CA_7C Channel Bandwidth: 20MHz+15MHz	2510MHz ~ 2562.5MHz
	LTE Band CA_7C Channel Bandwidth: 20MHz+20MHz	2510MHz ~ 2560MHz
	LTE Band 38 Channel Bandwidth: 5MHz	2572.5MHz ~ 2617.5MHz
	LTE Band 38 Channel Bandwidth: 10MHz	2575MHz ~ 2615MHz
	LTE Band 38 Channel Bandwidth: 15MHz	2577.5MHz ~ 2612.5MHz
	LTE Band 38 Channel Bandwidth: 20MHz	2580MHz ~ 2610MHz
	LTE Band CA_38C Channel Bandwidth: 15MHz+15MHz	2580.0MHz ~ 2590.2MHz
	LTE Band CA_38C Channel Bandwidth: 20MHz+20MHz	2577.5MHz ~ 2597.5MHz
	LTE Band 41 Channel Bandwidth: 5MHz	2537.5MHz ~ 2652.5MHz
	LTE Band 41 Channel Bandwidth: 10MHz	2540MHz ~ 2650MHz
	LTE Band 41 Channel Bandwidth: 15MHz	2542.5MHz ~ 2647.5MHz
	LTE Band 41 Channel Bandwidth: 20MHz	2545MHz ~ 2645MHz
EMISSION DESIGNATOR	**WCDMA IV**	4M19F9W
	LTE Band 4 Channel Bandwidth: 1.4MHz	QPSK: 1M12G7D
		16QAM: 1M12W7D
		64QAM: 1M11W7D
	LTE Band 4 Channel Bandwidth: 3MHz	QPSK: 2M73G7D
		16QAM: 2M74W7D
		64QAM: 2M75W7D
	LTE Band 4 Channel Bandwidth: 5MHz	QPSK: 4M56G7D
		16QAM: 4M57W7D
		64QAM: 4M55W7D
	LTE Band 4 Channel Bandwidth: 10MHz	QPSK: 9M04G7D
		16QAM: 9M04W7D
		64QAM: 9M06W7D
	LTE Band 4 Channel Bandwidth: 15MHz	QPSK: 13M6G7D
		16QAM: 13M6W7D

EMISSION DESIGNATOR		64QAM: 13M6W7D
	LTE Band 4 Channel Bandwidth: 20MHz	QPSK: 18M1G7D
		16QAM: 18M1W7D
		64QAM: 18M1W7D
	LTE Band 7 Channel Bandwidth: 5MHz	QPSK: 4M55G7D
		16QAM: 4M56W7D
		64QAM: 4M55W7D
	LTE Band 7 Channel Bandwidth: 10MHz	QPSK:9M08G7D
		16QAM: 9M06W7D
		64QAM: 9M04W7D
	LTE Band 7 Channel Bandwidth: 15MHz	QPSK: 13M6G7D
		16QAM: 13M6W7D
		64QAM: 13M6W7D
	LTE Band 7 Channel Bandwidth: 20MHz	QPSK: 18M1G7D
		16QAM: 18M1W7D
		64QAM: 18M1W7D
	LTE Band CA_7C Channel Bandwidth: 10MHz+20MHz	QPSK: 28M1G7D
		16QAM: 28M1W7D
		64QAM: 28M1W7D
	LTE Band CA_7C Channel Bandwidth: 15MHz +10MHz	QPSK: 23M7G7D
		16QAM: 23M6W7D
		64QAM: 23M6W7D
	LTE Band CA_7C Channel Bandwidth: 15MHz +15MHz	QPSK: 28M7G7D
		16QAM: 28M7W7D
		64QAM: 28M7W7D
	LTE Band CA_7C Channel Bandwidth: 15MHz +20MHz	QPSK: 33M0G7D
		16QAM: 32M9W7D
		64QAM: 32M9W7D
	LTE Band CA_7C Channel Bandwidth: 20MHz +10MHz	QPSK: 28M2G7D
		16QAM: 28M1W7D
		64QAM: 28M1W7D
	LTE Band CA_7C Channel Bandwidth: 20MHz +15MHz	QPSK: 32M9G7D
		16QAM: 33M0W7D
		64QAM: 33M0W7D
	LTE Band CA_7C Channel Bandwidth: 20MHz +20MHz	QPSK: 37M7G7D
		16QAM: 37M7W7D
		64QAM: 37M7W7D
	LTE Band 38 Channel Bandwidth: 5MHz	QPSK: 4M55G7D
		16QAM: 4M54W7D
		64QAM: 4M55W7D
	LTE Band 38 Channel Bandwidth: 10MHz	QPSK: 9M06G7D
		16QAM: 9M03W7D

EMISSION DESIGNATOR		64QAM: 9M05W7D
	LTE Band 38 Channel Bandwidth: 15MHz	QPSK: 13M6G7D
		16QAM: 13M6W7D
		64QAM: 13M6W7D
	LTE Band 38 Channel Bandwidth: 20MHz	QPSK: 18M1G7D
		64QAM: 18M1W7D
		16QAM: 18M1W7D
	LTE Band CA_38C Channel Bandwidth: 15MHz +15MHz	QPSK: 28M7G7D
		16QAM: 28M7W7D
		64QAM: 28M7W7D
	LTE Band CA_38C Channel Bandwidth: 20MHz +20MHz	QPSK: 37M9G7D
		16QAM: 37M9W7D
		64QAM: 37M9W7D
	LTE Band 41 Channel Bandwidth: 5MHz	QPSK: 4M56G7D
		16QAM: 4M55W7D
		64QAM: 4M56W7D
	LTE Band 41 Channel Bandwidth: 10MHz	QPSK: 9M06G7D
		16QAM: 9M05W7D
		64QAM: 9M07W7D
	LTE Band 41 Channel Bandwidth: 15MHz	QPSK: 13M6G7D
		16QAM: 13M6W7D
		64QAM: 13M6W7D
	LTE Band 41 Channel Bandwidth: 20MHz	QPSK: 18M1G7D
		16QAM: 18M1W7D
		64QAM: 18M1W7D
MAX. EIRP POWER	WCDMA IV	126.77mW
	LTE Band 4 Channel Bandwidth: 1.4MHz	204.17mW
	LTE Band 4 Channel Bandwidth: 3MHz	202.30mW
	LTE Band 4 Channel Bandwidth: 5MHz	204.64mW
	LTE Band 4 Channel Bandwidth: 10MHz	204.64mW
	LTE Band 4 Channel Bandwidth: 15MHz	203.70mW
	LTE Band 4 Channel Bandwidth: 20MHz	205.59mW
	LTE Band 7 Channel Bandwidth: 5MHz	210.38mW
	LTE Band 7 Channel Bandwidth: 10MHz	210.86mW

MAX. EIRP POWER	LTE Band 7 Channel Bandwidth: 15MHz	208.45mW
	LTE Band 7 Channel Bandwidth: 20MHz	211.35mW
	LTE Band CA_7C Channel Bandwidth: 10MHz+20MHz	195.88mW
	LTE Band CA_7C Channel Bandwidth: 15MHz+10MHz	195.43mW
	LTE Band CA_7C Channel Bandwidth: 15MHz+15MHz	193.64mW
	LTE Band CA_7C Channel Bandwidth: 15MHz+20MHz	196.79mW
	LTE Band CA_7C Channel Bandwidth: 20MHz+10MHz	195.88mW
	LTE Band CA_7C Channel Bandwidth: 20MHz+15MHz	197.24mW
	LTE Band CA_7C Channel Bandwidth: 20MHz+20MHz	198.15mW
	LTE Band 38 Channel Bandwidth: 5MHz	218.78mW
	LTE Band 38 Channel Bandwidth: 10MHz	218.78mW
	LTE Band 38 Channel Bandwidth: 15MHz	217.77mW
	LTE Band 38 Channel Bandwidth: 20MHz	219.79mW
	LTE Band CA_38C Channel Bandwidth: 15MHz+15MHz	206.54mW
	LTE Band CA_38C Channel Bandwidth: 20MHz+20MHz	216.27mW
	LTE Band 41 Channel Bandwidth: 5MHz	230.14mW
	LTE Band 41 Channel Bandwidth: 10MHz	230.14mW
	LTE Band 41 Channel Bandwidth: 15MHz	229.09mW
MAX. EIRP POWER	LTE Band 41 Channel Bandwidth: 20MHz	231.21mW

ANTENNA TYPE	Ant0:PIFA Antenna with -1 dBi gain for WCDMA IV/ LTE4 Ant1:PIFA Antenna with -1.1 dBi gain for WCDMA IV/ LTE4 Ant0:PIFA Antenna with -0.9 dBi gain for LTE7/7C Ant1:PIFA Antenna with -0.7 dBi gain for LTE7/7C Ant0:PIFA Antenna with -0.8 dBi gain for LTE38/38C Ant1:PIFA Antenna with -0.7 dBi gain for LTE38/38C Ant0:PIFA Antenna with -0.5 dBi gain for LTE41 Ant1:PIFA Antenna with -0.7 dBi gain for LTE41
HW VERSION	P1.1
SW VERSION	MIUI12.5
IMEI	862844050026366 / 862844050012580
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB1 cable: unshielded without ferrite, 1.0meter USB2 cable: unshielded without ferrite, 1.0meter
EXTREME TEMPERATURE	0-40 ℃
EXTREME VOLTAGE	EUT 3.6V - EUT 4.2V

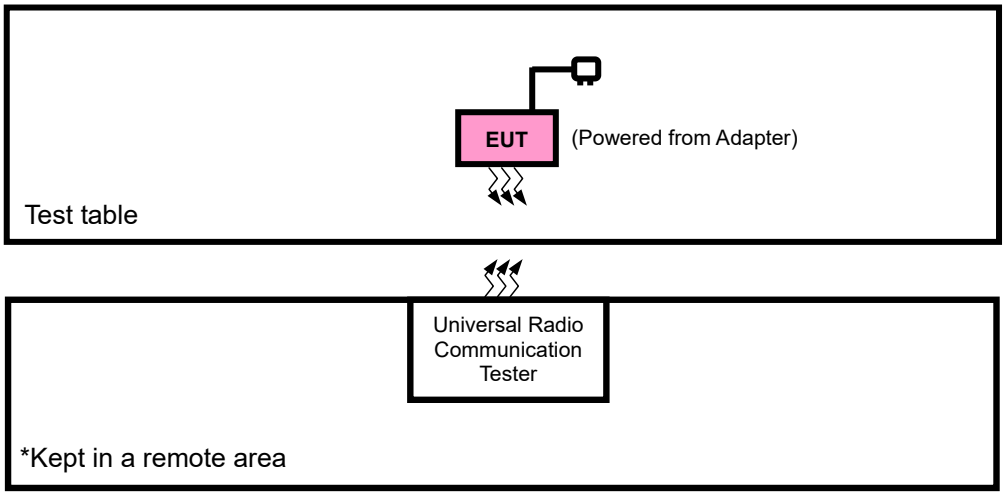
NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST



2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	DC source	LONG WEI	PS-6403D	010934269	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	DC Line: Unshielded, Detachable 1.8m

2.4 TEST ITEM AND TEST CONFIGURATION

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports The worst case was found when positioned on Y-plane for EIRP and X-axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	1.1.1.1.1.2DESCRIPTION
A	**EUT + Adapter + USB Cable with LTE link**
B	EUT + Battery with **LTE link**

WCDMA MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
B	EIRP	1312 to 1513	1312, 1413, 1513	WCDMA
B	FREQUENCY STABILITY	1312 to 1513	1312, 1513	WCDMA
B	OCCUPIED BANDWIDTH	1312 to 1513	1312, 1413, 1513	WCDMA
B	BAND EDGE	1312 to 1513	1312, 1513	WCDMA
B	PEAK TO AVERAGE RATIO	1312 to 1513	1312, 1413, 1513	WCDMA
B	CONDCUDETED EMISSION	1312 to 1513	1312, 1413, 1513	WCDMA
A	RADIATED EMISSION	1312 to 1513	1312, 1413, 1513	WCDMA

LTE BAND 4 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
B	EIRP	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	19957 to 20393	19957, 20393	1.4MHz	QPSK	1 RB / 0 RB Offset
		19965 to 20385	19965, 20385	3MHz	QPSK	1 RB / 0 RB Offset
		19975 to 20375	19975, 20375	5MHz	QPSK	1 RB / 0 RB Offset
		20000 to 20350	20000, 20350	10MHz	QPSK	1 RB / 0 RB Offset
		20025 to 20325	20025, 20325	15MHz	QPSK	1 RB / 0 RB Offset
		20050 to 20300	20050, 20300	20MHz	QPSK	1 RB / 0 RB Offset
B	OCCUPIED BANDWIDTH	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM, 64QAM	6 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM, 64QAM	15 RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM, 64QAM	25 RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM, 64QAM	50 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM, 64QAM	75 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM, 64QAM	100 RB / 0 RB Offset
B	PEAK TO AVERAGE RATIO	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
B	BAND EDGE	19957 to 20393	19957	1.4MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						6 RB / 0 RB Offset
			20393	1.4MHz	QPSK, 16QAM, 64QAM	1 RB / 5 RB Offset
						6 RB / 0 RB Offset
		19965 to 20385	19965	3MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						15 RB / 0 RB Offset
			20385	3MHz	QPSK, 16QAM, 64QAM	1 RB / 14 RB Offset
						15 RB / 0 RB Offset
		19975 to 20375	19975	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
			20375	5MHz	QPSK, 16QAM, 64QAM	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		20000 to 20350	20000	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
			20350	10MHz	QPSK, 16QAM, 64QAM	1 RB / 49 RB Offset
						50 RB / 0 RB Offset

B	BAND EDGE	20025 to 20325	20025	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						75 RB / 0 RB Offset
			20325	15MHz	QPSK, 16QAM, 64QAM	1 RB / 74 RB Offset
						75 RB / 0 RB Offset
		20050 to 20300	20050	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						100 RB / 0 RB Offset
			20300	20MHz	QPSK, 16QAM, 64QAM	1 RB / 99 RB Offset
						100 RB / 0 RB Offset
B	CONDCUDETED EMISSION	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK	1 RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK	1 RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK	1 RB / 0 RB Offset
		19965 to 20385	20175	3MHz	QPSK	1 RB / 0 RB Offset
		19975 to 20375	20175	5MHz	QPSK	1 RB / 0 RB Offset
		20000 to 20350	20175	10MHz	QPSK	1 RB / 0 RB Offset
		20025 to 20325	20175	15MHz	QPSK	1 RB / 0 RB Offset
		20050 to 20300	20175	20MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

LTE BAND 7 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
B	EIRP	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0RB Offset
		20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	20775 to 21425	20775, 21425	5MHz	QPSK	1 RB / 0 RB Offset
		20800 to 21400	20800, 21400	10MHz	QPSK	1 RB / 0RB Offset
		20825 to 21375	20825, 21375	15MHz	QPSK	1 RB / 0 RB Offset
		20850 to 21350	20850, 21350	20MHz	QPSK	1 RB / 0 RB Offset
B	OCCUPIED BANDWIDTH	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM, 64QAM	25 RB / 0 RB Offset
		20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM, 64QAM	50 RB / 0 RB Offset
		20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM, 64QAM	75 RB / 0 RB Offset
		20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM, 64QAM	100 RB / 0 RB Offset
B	BAND EDGE	20775 to 21425	20775	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
			21425	5MHz	QPSK, 16QAM, 64QAM	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		20800 to 21400	20800	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
			21400	10MHz	QPSK, 16QAM, 64QAM	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
		20825 to 21375	20825	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						75 RB / 0 RB Offset
			21375	15MHz	QPSK, 16QAM, 64QAM	1 RB / 74 RB Offset
						75 RB / 0 RB Offset
		20850 to 21350	20850	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						100 RB / 0 RB Offset
			21350	20MHz	QPSK, 16QAM, 64QAM	1 RB / 99 RB Offset
						100 RB / 0 RB Offset
B	CONDCUDE TED EMISSION	20775 to 21425	20775, 21100, 21425	5MHz	QPSK	1 RB / 0 RB Offset
		20800 to 21400	20800, 21100, 21400	10MHz	QPSK	1 RB / 0RB Offset
		20825 to 21375	20825, 21100, 21375	15MHz	QPSK	1 RB / 0 RB Offset
		20850 to 21350	20850, 21100, 21350	20MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	20775 to 21425	20775, 21100, 21425	5MHz	QPSK	1 RB / 0 RB Offset
		20800 to 21400	21100	10MHz	QPSK	1 RB / 0 RB Offset
		20825 to 21375	21100	15MHz	QPSK	1 RB / 0 RB Offset
		20850 to 21350	21100	20MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

LTE BAND CA_7C MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
B	EIRP	20805 to 21206	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 49RB&1RB/ 0RB Offset
		20825 to 21277	Low, Middle, High	15MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 74RB&1RB/ 0RB Offset
		20825 to 21225	Low, Middle, High	15MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 74RB&1RB/ 0RB Offset
		20828 to 21179	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 74RB&1RB/ 0RB Offset
		20850 to 21251	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB&1RB/ 0RB Offset
		20850 to 21201	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB&1RB/ 0RB Offset
		20850 to 21152	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB&1RB/ 0RB Offset
B	OCCUPIED BANDWIDTH	20805 to 21206	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM	50RB/ 0RB&100RB/ 0RB Offset
		20825 to 21277	Low, Middle, High	15MHz+10MHz	QPSK, 16QAM, 64QAM	75RB/ 0RB&50RB/ 0RB Offset
		20825 to 21225	Low, Middle, High	15MHz+15MHz	QPSK, 16QAM, 64QAM	75RB/ 0RB&75RB/ 0RB Offset
		20828 to 21179	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM	75RB/ 0RB&100RB/ 0RB Offset
		20850 to 21251	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM	100RB/ 0RB&50RB/ 0RB Offset
		20850 to 21201	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM	100RB/ 0RB&75RB/ 0RB Offset
		20850 to 21152	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM, 64QAM	100RB/ 0RB&100RB/ 0RB Offset
B	BAND EDGE	20805 to 21206	Low	10MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 49RB&1RB/ 0RB Offset
						50RB/ 0RB&100RB/ 0RB Offset
			High	10MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 49RB&1RB/ 0RB Offset
						50RB/ 0RB&100RB/ 0RB Offset
		20825 to 21277	Low	15MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 49RB Offset
						1RB/ 74RB&1RB/ 0RB Offset
						75RB/ 0RB&50RB/ 0RB Offset
			High	15MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 49RB Offset
						1RB/ 74RB&1RB/ 0RB Offset
						75RB/ 0RB&50RB/ 0RB Offset
		20825 to 21225	Low	15MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 74RB Offset
						1RB/ 74RB&1RB/ 0RB Offset
						75RB/ 0RB&75RB/ 0RB Offset
			High	15MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 74RB Offset
						1RB/ 74RB&1RB/ 0RB Offset
						75RB/ 0RB&75RB/ 0RB Offset
		20828 to 21179	Low	15MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 74RB&1RB/ 0RB Offset
						75RB/ 0RB&100RB/ 0RB Offset
			High	15MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 74RB&1RB/ 0RB Offset
						75RB/ 0RB&100RB/ 0RB Offset
		20850 to 21251	Low	20MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 49RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&50RB/ 0RB Offset
			High	20MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 49RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&50RB/ 0RB Offset
		20850 to 21201	Low	20MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 74RB Offset
						1RB/ 99RB&1RB/ 0RB Offset

						100RB/ 0RB&75RB/ 0RB Offset
			High	20MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 74RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&75RB/ 0RB Offset
		20850 to 21152	Low	20MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&100RB/ 0RB Offset
			High	20MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&100RB/ 0RB Offset
B	CONDCUDE TED EMISSION	20805 to 21206	Low, Middle, High	10MHz+20MHz	QPSK	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 49RB&1RB/ 0RB Offset
						50RB/ 0RB&100RB/ 0RB Offset
		20825 to 21277	Low, Middle, High	15MHz+10MHz	QPSK	1RB/ 0RB&1RB/ 49RB Offset
						1RB/ 74RB&1RB/ 0RB Offset
						75RB/ 0RB&50RB/ 0RB Offset
		20825 to 21225	Low, Middle, High	15MHz+15MHz	QPSK	1RB/ 0RB&1RB/ 74RB Offset
						1RB/ 74RB&1RB/ 0RB Offset
						75RB/ 0RB&75RB/ 0RB Offset
		20828 to 21179	Low, Middle, High	15MHz+20MHz	QPSK	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 74RB&1RB/ 0RB Offset
						75RB/ 0RB&100RB/ 0RB Offset
		20850 to 21251	Low, Middle, High	20MHz+10MHz	QPSK	1RB/ 0RB&1RB/ 49RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&50RB/ 0RB Offset
		20850 to 21201	Low, Middle, High	20MHz+15MHz	QPSK	1RB/ 0RB&1RB/ 74RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&75RB/ 0RB Offset
		20850 to 21152	Low, Middle, High	20MHz+20MHz	QPSK	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&100RB/ 0RB Offset
A	RADIATED EMISSION	20805 to 21206	Low, Middle, High	10MHz+20MHz	QPSK	1RB/ 49RB&1RB/ 0RB Offset
		20825 to 21277	Low, Middle, High	15MHz+10MHz	QPSK	1RB/ 74RB&1RB/ 0RB Offset
		20825 to 21225	Low, Middle, High	15MHz+15MHz	QPSK	1RB/ 74RB&1RB/ 0RB Offset
		20828 to 21179	Low, Middle, High	15MHz+20MHz	QPSK	1RB/ 74RB&1RB/ 0RB Offset
		20850 to 21251	Low, Middle, High	20MHz+10MHz	QPSK	1RB/ 99RB&1RB/ 0RB Offset
		20850 to 21201	Low, Middle, High	20MHz+15MHz	QPSK	1RB/ 99RB&1RB/ 0RB Offset
		20850 to 21152	Low, Middle, High	20MHz+20MHz	QPSK	1RB/ 99RB&1RB/ 0RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

LTE BAND 38 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
B	EIRP	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM	1 RB / 0RB Offset
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		37850 to38150	37850, 38000, 38150	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	37775 to 38225	37775, 38225	5MHz	QPSK	1 RB / 0 RB Offset
		37800 to 38200	37800, 38200	10MHz	QPSK	1 RB / 0RB Offset
		37825 to 38175	37825, 38175	15MHz	QPSK	1 RB / 0 RB Offset
		37850 to38150	37850, 38150	20MHz	QPSK	1 RB / 0 RB Offset
B	OCCUPIED BANDWIDTH	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM	75 RB / 0 RB Offset
		37850 to38150	37850, 38000, 38150	20MHz	QPSK, 16QAM	100 RB / 0 RB Offset
B	BAND EDGE	37775 to 38225	37775	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
			38825	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		37800 to 38200	37800	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
			38200	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
		37825 to 38175	37825	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						75 RB / 0 RB Offset
			38175	15MHz	QPSK, 16QAM	1 RB / 74 RB Offset
						75 RB / 0 RB Offset
		37850 to38150	37850	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						100 RB / 0 RB Offset
			38150	20MHz	QPSK, 16QAM	1 RB / 99 RB Offset
						100 RB / 0 RB Offset
B	CONDCUDE TED EMISSION	37775 to 38225	37775, 38000, 38225	5MHz	QPSK	1 RB / 0 RB Offset
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK	1 RB / 0RB Offset
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK	1 RB / 0 RB Offset
		37850 to38150	37850, 38000, 38150	20MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	37775 to 38225	38000	5MHz	QPSK	1 RB / 0 RB Offset
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK	1 RB / 0RB Offset
		37825 to 38175	38000	15MHz	QPSK	1 RB / 0 RB Offset
		37850 to38150	38000	20MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

LTE BAND CA_38C MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
B	EIRP	37825 to 38025	Low, Middle, High	15MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 49RB&1RB/ 0RB Offset
		37850 to 37952	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB&1RB/ 0RB Offset
B	OCCUPIED BANDWIDTH	37825 to 38025	Low, Middle, High	15MHz+15MHz	QPSK, 16QAM, 64QAM	50RB/ 0RB&100RB/ 0RB Offset
		37850 to 37952	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM, 64QAM	100RB/ 0RB&100RB/ 0RB Offset
B	BAND EDGE	37825 to 38025	Low	15MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 49RB&1RB/ 0RB Offset
						50RB/ 0RB&100RB/ 0RB Offset
			High	15MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 49RB&1RB/ 0RB Offset
						50RB/ 0RB&100RB/ 0RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&75RB/ 0RB Offset
		37850 to 37952	Low	20MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&100RB/ 0RB Offset
			High	20MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&100RB/ 0RB Offset
B	CONDCUDE TED EMISSION	37825 to 38025	Low, Middle, High	15MHz+15MHz	QPSK	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 49RB&1RB/ 0RB Offset
						50RB/ 0RB&100RB/ 0RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&75RB/ 0RB Offset
		37850 to 37952	Low, Middle, High	20MHz+20MHz	QPSK	1RB/ 0RB&1RB/ 99RB Offset
						1RB/ 99RB&1RB/ 0RB Offset
						100RB/ 0RB&100RB/ 0RB Offset
A	RADIATED EMISSION	37825 to 38025	Low, Middle, High	15MHz+15MHz	QPSK	1RB/ 49RB&1RB/ 0RB Offset
		37850 to 37952	Low, Middle, High	20MHz+20MHz	QPSK	1RB/ 99RB&1RB/ 0RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

LTE BAND 41 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	40065 to 41215	40065, 40340, 41215	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
	40090 to 41190	40090, 40340,41190	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0RB Offset
	40115 to 41165	40115, 40340, 41165	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
	40140 to 41140	40140, 40340, 41140	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
FREQUENCY STABILITY	40065 to 41215	40065, 41215	5MHz	QPSK	1 RB / 0 RB Offset
	40090 to 41190	40090, 41190	10MHz	QPSK	1 RB / 0RB Offset
	40115 to 41165	40115, 41165	15MHz	QPSK	1 RB / 0 RB Offset
	40140 to 41140	40140, 41140	20MHz	QPSK	1 RB / 0 RB Offset
OCCUPIED BANDWIDTH	40065 to 41215	40065, 40340, 41215	5MHz	QPSK, 16QAM, 64QAM	25 RB / 0 RB Offset
	40090 to 41190	40090, 40340,41190	10MHz	QPSK, 16QAM, 64QAM	50 RB / 0 RB Offset
	40115 to 41165	40115, 40340, 41165	15MHz	QPSK, 16QAM, 64QAM	75 RB / 0 RB Offset
	40140 to 41140	40140, 40340, 41140	20MHz	QPSK, 16QAM, 64QAM	100 RB / 0 RB Offset
BAND EDGE	40065 to 41215	40065	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
					25 RB / 0 RB Offset
		41215	5MHz	QPSK, 16QAM, 64QAM	1 RB / 24 RB Offset
					25 RB / 0 RB Offset
	40090 to 41190	40090	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
					50 RB / 0 RB Offset
		41190	10MHz	QPSK, 16QAM, 64QAM	1 RB / 49 RB Offset
					50 RB / 0 RB Offset
	40115 to 41165	40115	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
					75 RB / 0 RB Offset
		41165	15MHz	QPSK, 16QAM, 64QAM	1 RB / 74 RB Offset
					75 RB / 0 RB Offset
	40140 to 41140	40140	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
					100 RB / 0 RB Offset
		41140	20MHz	QPSK, 16QAM, 64QAM	1 RB / 99 RB Offset
					100 RB / 0 RB Offset
CONDCUDETED EMISSION	40065 to 41215	40065, 40340, 41215	5MHz	QPSK	1 RB / 0 RB Offset
	40090 to 41190	40090, 40340,41190	10MHz	QPSK	1 RB / 0RB Offset
	40115 to 41165	40115, 40340, 41165	15MHz	QPSK	1 RB / 0 RB Offset
	40140 to 41140	40140, 40340, 41140	20MHz	QPSK	1 RB / 0 RB Offset
RADIATED EMISSION	40065 to 41215	40340	5MHz	QPSK	1 RB / 0 RB Offset
	40090 to 41190	40340	10MHz	QPSK	1 RB / 0RB Offset
	40115 to 41165	40340	15MHz	QPSK	1 RB / 0 RB Offset
	40140 to 41140	40140, 40340, 41140	20MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP	23deg. C, 70%RH	DC 5V/9V/11V/12V/20V By Adapter	Jace Hu
FREQUENCY STABILITY	23deg. C, 70%RH	DC 5V/9V/11V/12V/20V By Adapter	James Fu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC 5V/9V/11V/12V/20V By Adapter	James Fu
BAND EDGE	23deg. C, 70%RH	DC 5V/9V/11V/12V/20V By Adapter	James Fu
CONDCUDETED EMISSION	23deg. C, 70%RH	DC 5V/9V/11V/12V/20V By Adapter	James Fu
RADIATED EMISSION	23deg. C, 70%RH	DC 5V/9V/11V/12V/20V By Adapter	Jace Hu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC 3.87 By Battery	James Fu

2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2

FCC 47 CFR Part 27

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI/TIA/EIA-603-D

ANSI/TIA/EIA-603-E

ANSI C63.26-2015

NOTE: All test items have been performed and recorded as per the above standards.

3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

The radiated peak output power shall be according to the specific rule Part 27.50(h)(2) that “User stations are limited to 2 watts” and 27.50(i) specific that “Peak transmit power must be measure over any interval of continuous transmission using instrumentation calibration in terms of rms-equivalent voltage.”

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

3.1.2 TEST PROCEDURES

EIRP MEASUREMENT:

Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determing the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$ERP \text{ or } EIRP = P_{Meas} + G_T - L_C$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively

(expressed in the same units as P_{Meas}, typically dBW or dBm);

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

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

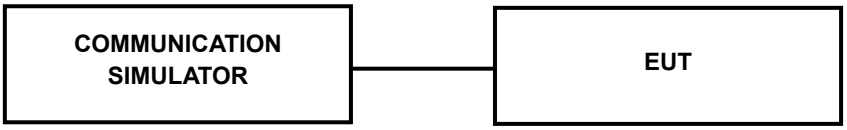
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

CONDUCTED POWER MEASUREMENT:

a. The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

3.1.3 TEST SETUP

CONDUCTED POWER MEASUREMENT:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.1.4 TEST RESULTS

AVERAGE CONDUCTED OUTPUT POWER (dBm)

Ant0:

Band	WCDMA IV		
Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
RMC 12.2K	**24.18**	**24.15**	**24.04**
HSDPA Subtest-1	23.20	23.14	23.09
HSDPA Subtest-2	23.21	23.13	23.12
HSDPA Subtest-3	22.76	22.83	23.67
HSDPA Subtest-4	22.72	22.68	22.72
DC-HSDPA Subtest-1	23.21	23.20	23.10
DC-HSDPA Subtest-2	23.16	23.10	23.10
DC-HSDPA Subtest-3	22.77	22.73	22.65
DC-HSDPA Subtest-4	22.79	22.72	22.65
HSUPA Subtest-1	21.40	21.37	21.31
HSUPA Subtest-2	21.81	21.77	21.86
HSUPA Subtest-3	22.11	22.08	22.07
HSUPA Subtest-4	21.33	21.27	21.32
HSUPA Subtest-5	22.45	22.44	22.34

LTE Band 4

Band/BW	Modulation	RB Size	RB Offset	Low CH 19957	Mid CH 20175	High CH 20393	MPR
				Frequency 1710.7 MHz	Frequency 1732.5 MHz	Frequency 1754.3 MHz	
4/ 1.4	QPSK	1	0	23.91	23.87	23.83	0
		1	2	24.10	24.01	24.01	0
		1	5	23.90	23.82	23.84	0
		3	0	23.97	23.88	24.01	0
		3	1	24.10	24.03	23.98	0
		3	3	23.97	23.92	23.96	0
		6	0	23.16	23.07	23.06	1
	16QAM	1	0	23.26	23.25	23.16	1
		1	2	23.38	23.30	23.40	1
		1	5	23.22	23.15	23.25	1
		3	0	23.10	23.05	23.08	1
		3	1	23.11	23.19	23.08	1
		3	3	23.16	23.14	23.18	1
		6	0	22.14	22.07	22.02	2
	64QAM	1	0	22.08	22.14	22.08	2
		1	2	22.35	22.28	22.31	2
		1	5	22.16	22.04	22.15	2
		3	0	22.13	21.06	21.01	2
		3	1	22.11	21.09	21.11	2
		3	3	22.17	21.10	21.15	2
		6	0	21.14	21.00	21.06	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 19965	Mid CH 20175	High CH 20385	MPR
				Frequency 1711.5 MHz	Frequency 1732.5 MHz	Frequency 1753.5 MHz	
4/ 3	QPSK	1	0	23.93	23.89	23.82	0
		1	7	24.06	24.02	24.01	0
		1	14	23.86	23.82	23.84	0
		8	0	23.06	23.01	23.11	1
		8	3	23.13	23.13	23.10	1
		8	7	23.04	23.09	23.10	1
		15	0	23.13	23.08	23.00	1
	16QAM	1	0	23.23	23.31	23.19	1
		1	7	23.35	23.33	23.38	1
		1	14	23.25	23.15	23.25	1
		8	0	22.06	22.06	22.08	2
		8	3	22.16	22.14	22.11	2
		8	7	22.18	22.12	22.14	2
		15	0	22.14	22.01	22.05	2
	64QAM	1	0	22.14	22.17	22.02	2
		1	7	22.38	22.22	22.30	2
		1	14	22.17	22.06	22.15	2
		8	0	21.16	21.10	21.02	3
		8	3	21.15	21.03	21.16	3
		8	7	21.14	21.14	21.11	3
		15	0	21.16	20.97	21.10	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 19975	Mid CH 20175	High CH 20375	MPR
				Frequency 1712.5 MHz	Frequency 1732.5 MHz	Frequency 1752.5 MHz	
4/ 5	QPSK	1	0	23.94	23.84	23.83	0
		1	12	24.11	23.99	24.01	0
		1	24	23.87	23.81	23.88	0
		12	0	23.09	23.01	23.08	1
		12	6	23.13	23.14	23.11	1
		12	13	23.08	23.05	23.11	1
		25	0	23.11	23.11	23.03	1
	16QAM	1	0	23.24	23.27	23.19	1
		1	12	23.32	23.36	23.37	1
		1	24	23.25	23.15	23.24	1
		12	0	22.06	22.04	22.05	2
		12	6	22.13	22.18	22.07	2
		12	13	22.13	22.14	22.17	2
		25	0	22.14	22.02	22.02	2
	64QAM	1	0	22.08	22.14	22.08	2
		1	12	22.35	22.28	22.30	2
		1	24	22.10	22.11	22.15	2
		12	0	21.17	21.07	21.01	3
		12	6	21.09	21.10	21.15	3
		12	13	21.18	21.13	21.08	3
		25	0	21.12	21.03	21.08	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 20000	Mid CH 20175	High CH 20350	MPR
				Frequency 1715 MHz	Frequency 1732.5 MHz	Frequency 1750 MHz	
4/ 10	QPSK	1	0	23.91	23.87	23.83	0
		1	24	24.11	23.99	24.02	0
		1	49	23.84	23.85	23.84	0
		25	0	23.10	23.00	23.11	1
		25	12	23.19	23.08	23.11	1
		25	25	23.06	23.02	23.10	1
		50	0	23.16	23.11	23.00	1
	16QAM	1	0	23.24	23.24	23.15	1
		1	24	23.37	23.32	23.40	1
		1	49	23.25	23.16	23.21	1
		25	0	22.08	22.02	22.11	2
		25	12	22.17	22.12	22.12	2
		25	25	22.12	22.15	22.14	2
		50	0	22.18	22.01	22.06	2
	64QAM	1	0	22.07	22.15	22.05	2
		1	24	22.40	22.24	22.34	2
		1	49	22.16	22.05	22.12	2
		25	0	21.15	21.04	21.07	3
		25	12	21.16	21.09	21.09	3
		25	25	21.17	21.10	21.10	3
		50	0	21.17	20.99	21.09	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 20025	Mid CH 20175	High CH 20325	MPR
				Frequency 1717.5 MHz	Frequency 1732.5 MHz	Frequency 1747.5 MHz	
4/ 15	QPSK	1	0	23.98	23.87	23.80	0
		1	37	24.09	24.04	23.97	0
		1	74	23.90	23.88	23.85	0
		36	0	23.07	23.01	23.12	1
		36	19	23.20	23.13	23.11	1
		36	39	23.04	23.03	23.10	1
		75	0	23.16	23.09	23.05	1
	16QAM	1	0	23.28	23.31	23.15	1
		1	37	23.36	23.33	23.40	1
		1	74	23.21	23.21	23.23	1
		36	0	22.12	22.02	22.12	2
		36	19	22.11	22.16	22.08	2
		36	39	22.17	22.13	22.17	2
		75	0	22.19	22.04	21.99	2
	64QAM	1	0	22.09	22.16	22.06	2
		1	37	22.41	22.23	22.31	2
		1	74	22.12	22.04	22.15	2
		36	0	21.20	21.10	21.01	3
		36	19	21.10	21.03	21.11	3
		36	39	21.20	21.17	21.12	3
		75	0	21.16	20.97	21.10	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 20050	Mid CH 20175	High CH 20300	MPR
				Frequency 1720 MHz	Frequency 1732.5 MHz	Frequency 1745 MHz	
4/ 20	QPSK	1	0	23.99	23.91	23.88	0
		1	50	24.13	24.07	24.03	0
		1	99	23.92	23.89	23.89	0
		50	0	23.13	23.06	23.13	1
		50	25	23.21	23.15	23.16	1
		50	50	23.12	23.10	23.12	1
		100	0	23.17	23.13	23.08	1
	16QAM	1	0	23.31	23.32	23.21	1
		1	50	23.40	23.38	23.42	1
		1	99	23.27	23.23	23.26	1
		50	0	22.14	22.10	22.13	2
		50	25	22.19	22.20	22.13	2
		50	50	22.20	22.19	22.19	2
		100	0	22.20	22.09	22.07	2
	64QAM	1	0	22.15	22.19	22.10	2
		1	50	22.43	22.30	22.36	2
		1	99	22.18	22.12	22.17	2
		50	0	21.21	21.12	21.09	3
		50	25	21.17	21.11	21.17	3
		50	50	21.22	21.18	21.16	3
		100	0	21.18	21.05	21.11	3

LTE Band 7

Band/BW	Modulation	RB Size	RB Offset	Low CH 20775 Frequency 2502.5 MHz	Mid CH 21100 Frequency 2535 MHz	High CH 21425 Frequency 2567.5 MHz	MPR
7/ 5	QPSK	1	0	23.87	23.74	23.81	0
		1	12	24.10	24.01	24.13	0
		1	24	24.04	23.96	24.11	0
		12	0	22.98	22.90	23.03	1
		12	6	23.09	23.10	23.16	1
		12	13	23.02	22.98	23.08	1
		25	0	22.97	22.97	23.05	1
	16QAM	1	0	23.11	23.11	23.18	1
		1	12	23.33	23.42	23.45	1
		1	24	23.27	23.21	23.37	1
		12	0	21.97	21.94	22.03	2
		12	6	22.04	22.11	22.08	2
		12	13	22.01	21.96	22.13	2
		25	0	22.00	21.96	22.01	2
	64QAM	1	0	21.97	21.97	22.12	2
		1	12	22.27	22.24	22.23	2
		1	24	22.16	22.17	22.26	2
		12	0	21.01	21.00	20.97	3
		12	6	21.05	21.05	21.17	3
		12	13	21.09	21.01	21.04	3
		25	0	20.97	20.90	21.09	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 20800	Mid CH 21100	High CH 21400	MPR
				Frequency 2505 MHz	Frequency 2535 MHz	Frequency 2565 MHz	
7/ 10	QPSK	1	0	23.84	23.77	23.81	0
		1	24	24.10	24.01	24.14	0
		1	49	24.01	24.00	24.07	0
		25	0	22.99	22.89	23.06	1
		25	12	23.15	23.04	23.16	1
		25	25	23.00	22.95	23.07	1
		50	0	23.02	22.97	23.02	1
	16QAM	1	0	23.11	23.08	23.14	1
		1	24	23.38	23.38	23.48	1
		1	49	23.27	23.22	23.34	1
		25	0	21.99	21.92	22.09	2
		25	12	22.08	22.05	22.13	2
		25	25	22.00	21.97	22.10	2
		50	0	22.04	21.95	22.05	2
	64QAM	1	0	21.96	21.98	22.09	2
		1	24	22.32	22.20	22.27	2
		1	49	22.22	22.11	22.23	2
		25	0	20.99	20.97	21.03	3
		25	12	21.12	21.04	21.11	3
		25	25	21.08	20.98	21.06	3
		50	0	21.02	20.86	21.10	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 20825	Mid CH 21100	High CH 21375	MPR
				Frequency 2507.5 MHz	Frequency 2535 MHz	Frequency 2562.5 MHz	
7/ 15	QPSK	1	0	23.91	23.77	23.78	0
		1	37	24.08	24.06	24.09	0
		1	74	24.07	24.03	24.08	0
		36	0	22.96	22.90	23.07	1
		36	19	23.16	23.09	23.16	1
		36	39	22.98	22.96	23.07	1
		75	0	23.02	22.95	23.07	1
	16QAM	1	0	23.15	23.15	23.14	1
		1	37	23.37	23.39	23.48	1
		1	74	23.23	23.27	23.36	1
		36	0	22.03	21.92	22.10	2
		36	19	22.02	22.09	22.09	2
		36	39	22.05	21.95	22.13	2
		75	0	22.05	21.98	21.98	2
	64QAM	1	0	21.98	21.99	22.10	2
		1	37	22.33	22.19	22.24	2
		1	74	22.18	22.10	22.26	2
		36	0	21.04	21.03	20.97	3
		36	19	21.06	20.98	21.13	3
		36	39	21.11	21.05	21.08	3
		75	0	21.01	20.84	21.11	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 20850	Mid CH 21100	High CH 21350	MPR
				Frequency 2510 MHz	Frequency 2535 MHz	Frequency 2560 MHz	
7/ 20	QPSK	1	0	23.92	23.81	23.86	0
		1	50	24.12	24.09	24.15	0
		1	99	24.09	24.04	24.12	0
		50	0	23.02	22.95	23.08	1
		50	25	23.17	23.11	23.21	1
		50	50	23.06	23.03	23.09	1
		100	0	23.03	22.99	23.10	1
	16QAM	1	0	23.18	23.16	23.20	1
		1	50	23.41	23.44	23.50	1
		1	99	23.29	23.29	23.39	1
		50	0	22.05	22.00	22.11	2
		50	25	22.10	22.13	22.14	2
		50	50	22.08	22.01	22.15	2
		100	0	22.06	22.03	22.06	2
	64QAM	1	0	22.04	22.02	22.14	2
		1	50	22.35	22.26	22.29	2
		1	99	22.24	22.18	22.28	2
		50	0	21.05	21.05	21.05	3
		50	25	21.13	21.06	21.19	3
		50	50	21.13	21.06	21.12	3
		100	0	21.03	20.92	21.12	3

LTE Band CA_7C

CA_7C								
Combination 10MHz+20MHz (50RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20805	20949	QPSK	1	24	0	0	1	23.82
		16QAM	1	24	0	0	1	23.37
		64QAM	1	24	0	0	1	22.24
21006	21150	QPSK	1	24	0	0	1	23.72
		16QAM	1	24	0	0	1	23.24
		64QAM	1	24	0	0	1	22.21
21206	21350	QPSK	1	24	0	0	1	23.77
		16QAM	1	24	0	0	1	23.16
		64QAM	1	24	0	0	1	22.17
Combination 15MHz+15MHz (75RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20825	20975	QPSK	1	37	0	0	1	23.83
		16QAM	1	37	0	0	1	23.34
		64QAM	1	37	0	0	1	22.26
21025	21175	QPSK	1	37	0	0	1	23.75
		16QAM	1	37	0	0	1	23.21
		64QAM	1	37	0	0	1	22.16
21225	21375	QPSK	1	37	0	0	1	23.78
		16QAM	1	37	0	0	1	23.11
		64QAM	1	37	0	0	1	22.15

CA_7C								
Combination 15MHz+10MHz (75RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20825	20945	QPSK	1	37	0	0	1	23.81
		16QAM	1	37	0	0	1	23.37
		64QAM	1	37	0	0	1	22.24
21051	21171	QPSK	1	37	0	0	1	23.72
		16QAM	1	37	0	0	1	23.24
		64QAM	1	37	0	0	1	22.21
21277	21397	QPSK	1	37	0	0	1	23.78
		16QAM	1	37	0	0	1	23.12
		64QAM	1	37	0	0	1	22.21
Combination 15MHz+20MHz (75RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20828	20999	QPSK	1	37	0	0	1	23.84
		16QAM	1	37	0	0	1	23.35
		64QAM	1	37	0	0	1	22.28
21003	21174	QPSK	1	37	0	0	1	23.75
		16QAM	1	37	0	0	1	23.25
		64QAM	1	37	0	0	1	22.17
21179	21350	QPSK	1	37	0	0	1	23.72
		16QAM	1	37	0	0	1	23.17
		64QAM	1	37	0	0	1	22.2

CA_7C								
Combination 20MHz+10MHz (100RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20850	20994	QPSK	1	50	0	0	1	23.82
		16QAM	1	50	0	0	1	23.38
		64QAM	1	50	0	0	1	22.24
21051	21195	QPSK	1	50	0	0	1	23.73
		16QAM	1	50	0	0	1	23.21
		64QAM	1	50	0	0	1	22.21
21251	21395	QPSK	1	50	0	0	1	23.79
		16QAM	1	50	0	0	1	23.11
		64QAM	1	50	0	0	1	22.21
Combination 20MHz+15MHz (100RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20850	21021	QPSK	1	50	0	0	1	23.85
		16QAM	1	50	0	0	1	23.39
		64QAM	1	50	0	0	1	22.30
21026	21197	QPSK	1	50	0	0	1	23.79
		16QAM	1	50	0	0	1	23.27
		64QAM	1	50	0	0	1	22.23
21201	21372	QPSK	1	50	0	0	1	23.80
		16QAM	1	50	0	0	1	23.18
		64QAM	1	50	0	0	1	22.23

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	50	0	0	1	23.81
		16QAM	1	50	0	0	1	23.23
		64QAM	1	50	0	0	1	22.35
21001	21199	QPSK	1	50	0	0	1	23.81
		16QAM	1	50	0	0	1	23.49
		64QAM	1	50	0	0	1	22.50
21152	21350	QPSK	1	50	0	0	1	23.87
		16QAM	1	50	0	0	1	23.27
		64QAM	1	50	0	0	1	22.46

LTE Band 38

Band/BW	Modulation	RB Size	RB Offset	Low CH 37775	Mid CH 38000	High CH 38225	MPR
				Frequency 2572.5 MHz	Frequency 2595 MHz	Frequency 2617.5MHz	
38/ 5	QPSK	1	0	23.89	23.80	23.91	0
		1	12	23.99	23.83	23.90	0
		1	24	23.76	23.64	23.81	0
		12	0	23.01	22.89	22.90	1
		12	6	22.99	22.97	23.05	1
		12	13	23.03	22.95	22.91	1
		25	0	22.85	22.89	22.90	1
	16QAM	1	0	22.88	22.82	22.95	1
		1	12	22.97	23.06	22.99	1
		1	24	22.96	22.80	22.94	1
		12	0	21.97	22.04	21.95	2
		12	6	22.14	22.11	22.06	2
		12	13	22.00	21.99	22.04	2
		25	0	21.97	21.99	22.06	2
	64QAM	1	0	21.79	21.71	21.84	2
		1	12	21.78	21.83	21.74	2
		1	24	21.77	21.80	21.73	2
		12	0	21.02	21.01	21.06	3
		12	6	21.11	21.11	21.15	3
		12	13	21.04	20.92	20.97	3
		25	0	20.96	20.99	21.00	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 37800 Frequency 2575 MHz	Mid CH 38000 Frequency 2595 MHz	High CH 38200 Frequency 2615 MHz	MPR
38/ 10	QPSK	1	0	23.86	23.83	23.91	0
		1	12	23.99	23.83	23.91	0
		1	24	23.73	23.68	23.77	0
		12	0	23.02	22.88	22.93	1
		12	6	23.05	22.91	23.05	1
		12	13	23.01	22.92	22.90	1
		25	0	22.90	22.89	22.87	1
	16QAM	1	0	22.88	22.79	22.91	1
		1	12	23.02	23.02	23.02	1
		1	24	22.96	22.81	22.91	1
		12	0	21.99	22.02	22.01	2
		12	6	22.18	22.05	22.11	2
		12	13	21.99	22.00	22.01	2
		25	0	22.01	21.98	22.10	2
	64QAM	1	0	21.78	21.72	21.81	2
		1	12	21.83	21.79	21.78	2
		1	24	21.83	21.74	21.70	2
		12	0	21.00	20.98	21.12	3
		12	6	21.18	21.10	21.09	3
		12	13	21.03	20.89	20.99	3
		25	0	21.01	20.95	21.01	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 37825	Mid CH 38000	High CH 38175	MPR
				Frequency 2577.5 MHz	Frequency 2595 MHz	Frequency 2612.5MHz	
38/ 15	QPSK	1	0	23.93	23.83	23.88	0
		1	12	23.97	23.88	23.86	0
		1	24	23.79	23.71	23.78	0
		12	0	22.99	22.89	22.94	1
		12	6	23.06	22.96	23.05	1
		12	13	22.99	22.93	22.90	1
		25	0	22.90	22.87	22.92	1
	16QAM	1	0	22.92	22.86	22.91	1
		1	12	23.01	23.03	23.02	1
		1	24	22.92	22.86	22.93	1
		12	0	22.03	22.02	22.02	2
		12	6	22.12	22.09	22.07	2
		12	13	22.04	21.98	22.04	2
		25	0	22.02	22.01	22.03	2
	64QAM	1	0	21.80	21.73	21.82	2
		1	12	21.84	21.78	21.75	2
		1	24	21.79	21.73	21.73	2
		12	0	21.05	21.04	21.06	3
		12	6	21.12	21.04	21.11	3
		12	13	21.06	20.96	21.01	3
		25	0	21.00	20.93	21.02	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 37850 Frequency 2580 MHz	Mid CH 38000 Frequency 2595 MHz	High CH 38150 Frequency 2610 MHz	MPR
38/ 20	QPSK	1	0	23.94	23.87	23.96	0
		1	12	24.01	23.91	23.92	0
		1	24	23.81	23.72	23.82	0
		12	0	23.05	22.94	22.95	1
		12	6	23.07	22.98	23.10	1
		12	13	23.07	23.00	22.92	1
		25	0	22.91	22.91	22.95	1
	16QAM	1	0	22.95	22.87	22.97	1
		1	12	23.05	23.08	23.04	1
		1	24	22.98	22.88	22.96	1
		12	0	22.05	22.10	22.03	2
		12	6	22.20	22.13	22.12	2
		12	13	22.07	22.04	22.06	2
		25	0	22.03	22.06	22.11	2
	64QAM	1	0	21.86	21.76	21.86	2
		1	12	21.86	21.85	21.80	2
		1	24	21.85	21.81	21.75	2
		12	0	21.06	21.06	21.14	3
		12	6	21.19	21.12	21.17	3
		12	13	21.08	20.97	21.05	3
		25	0	21.02	21.01	21.03	3

LTE Band CA_38C

CA_38C								
Combination 15MHz+15MHz (75RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
37825	37975	QPSK	1	50	0	0	1	23.33
		16QAM	1	50	0	0	1	22.69
		64QAM	1	50	0	0	1	21.93
37925	38075	QPSK	1	50	0	0	1	23.67
		16QAM	1	50	0	0	1	23.01
		64QAM	1	50	0	0	1	22.10
38025	38175	QPSK	1	50	0	0	1	23.53
		16QAM	1	50	0	0	1	22.82
		64QAM	1	50	0	0	1	21.99
Combination 20MHz+20MHz (100RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	37	0	0	1	23.40
		16QAM	1	37	0	0	1	22.83
		64QAM	1	37	0	0	1	21.97
37901	38099	QPSK	1	37	0	0	1	23.86
		16QAM	1	37	0	0	1	22.87
		64QAM	1	37	0	0	1	21.95
37952	38150	QPSK	1	37	0	0	1	23.62
		16QAM	1	37	0	0	1	22.71
		64QAM	1	37	0	0	1	21.93

LTE Band 41

Band/BW	Modulation	RB Size	RB Offset	Low CH (39675) Frequency (2498.5)MHz	Mid CH (40620) Frequency (2593)MHz	High CH (41565) Frequency (2687.5)MHz	MPR
41/ 5	QPSK	1	0	23.92	23.83	23.76	0
		1	12	24.12	24.02	23.80	0
		1	24	23.89	23.82	23.77	0
		12	0	23.08	22.91	22.80	1
		12	6	23.07	23.01	23.01	1
		12	13	23.17	23.09	22.88	1
		25	0	23.00	22.94	22.95	1
	16QAM	1	0	22.99	22.97	22.82	1
		1	12	23.13	23.13	23.13	1
		1	24	23.09	22.99	22.93	1
		12	0	22.06	21.99	21.91	2
		12	6	22.27	22.22	22.11	2
		12	13	22.15	22.09	22.02	2
		25	0	22.06	22.07	22.02	2
	64QAM	1	0	21.81	21.76	21.65	2
		1	12	21.96	21.90	21.84	2
		1	24	21.80	21.75	21.61	2
		12	0	21.06	21.02	20.93	3
		12	6	21.28	21.25	21.16	3
		12	13	21.21	21.04	20.98	3
		25	0	21.08	20.98	20.92	3

Band/BW	Modulation	RB Size	RB Offset	Low CH (39700) Frequency (2501)MHz	Mid CH (40620) Frequency (2593)MHz	High CH (41540) Frequency (2685)MHz	MPR
41/ 10	QPSK	1	0	23.89	23.83	23.74	0
		1	24	24.12	24.03	23.85	0
		1	49	23.86	23.78	23.75	0
		25	0	23.09	22.94	22.84	1
		25	12	23.13	23.01	23.07	1
		25	25	23.15	23.08	22.89	1
		50	0	23.05	22.91	22.95	1
	16QAM	1	0	22.99	22.93	22.82	1
		1	24	23.18	23.16	23.12	1
		1	49	23.09	22.96	22.90	1
		25	0	22.08	22.05	21.87	2
		25	12	22.31	22.27	22.10	2
		25	25	22.14	22.06	21.97	2
		50	0	22.10	22.11	21.95	2
	64QAM	1	0	21.80	21.73	21.68	2
		1	24	22.01	21.94	21.81	2
		1	49	21.86	21.72	21.56	2
		25	0	21.04	21.08	20.88	3
		25	12	21.35	21.19	21.18	3
		25	25	21.20	21.06	21.00	3
		50	0	21.13	20.99	20.94	3

Band/BW	Modulation	RB Size	RB Offset	Low CH (39725)	Mid CH (40620)	High CH (41515)	MPR
				Frequency (2503.5)MHz	Frequency (2593)MHz	Frequency (2682.5)MHz	
41/ 15	QPSK	1	0	23.96	23.80	23.76	0
		1	37	24.10	23.98	23.85	0
		1	74	23.92	23.79	23.77	0
		36	0	23.06	22.95	22.86	1
		36	19	23.14	23.01	23.02	1
		36	39	23.13	23.08	22.92	1
		75	0	23.05	22.96	22.92	1
	16QAM	1	0	23.03	22.93	22.85	1
		1	37	23.17	23.16	23.07	1
		1	74	23.05	22.98	22.94	1
		36	0	22.12	22.06	21.92	2
		36	19	22.25	22.23	22.11	2
		36	39	22.19	22.09	22.02	2
		75	0	22.11	22.04	21.97	2
	64QAM	1	0	21.82	21.74	21.69	2
		1	37	22.02	21.91	21.81	2
		1	74	21.82	21.75	21.61	2
		36	0	21.09	21.02	20.92	3
		36	19	21.29	21.21	21.17	3
		36	39	21.23	21.08	21.00	3
		75	0	21.12	21.00	20.97	3

Band/BW	Modulation	RB Size	RB Offset	Low CH (39750) Frequency (2506)MHz	Mid CH (40620) Frequency (2593)MHz	High CH (41490) Frequency (2680)MHz	MPR
41/ 20	QPSK	1	0	23.97	23.88	23.82	0
		1	50	24.14	24.04	23.87	0
		1	99	23.94	23.83	23.83	0
		50	0	23.12	22.96	22.87	1
		50	25	23.15	23.06	23.09	1
		50	50	23.21	23.10	22.94	1
		100	0	23.06	22.99	22.97	1
	16QAM	1	0	23.06	22.99	22.87	1
		1	50	23.21	23.18	23.14	1
		1	99	23.11	23.01	22.98	1
		50	0	22.14	22.07	21.93	2
		50	25	22.33	22.28	22.16	2
		50	50	22.22	22.11	22.04	2
		100	0	22.12	22.12	22.03	2
	64QAM	1	0	21.88	21.78	21.70	2
		1	50	22.04	21.96	21.89	2
		1	99	21.88	21.77	21.62	2
		50	0	21.10	21.10	20.95	3
		50	25	21.36	21.27	21.21	3
		50	50	21.25	21.12	21.02	3
		100	0	21.14	21.01	21.00	3

Ant1:

Band	WCDMA IV		
Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
RMC 12.2K	**23.04**	**22.95**	**22.95**
HSDPA Subtest-1	22.05	21.91	21.97
HSDPA Subtest-2	21.99	21.98	21.93
HSDPA Subtest-3	21.54	21.60	22.55
HSDPA Subtest-4	21.50	21.46	21.50
DC-HSDPA Subtest-1	22.03	21.90	21.96
DC-HSDPA Subtest-2	22.07	21.93	21.86
DC-HSDPA Subtest-3	21.55	21.50	21.45
DC-HSDPA Subtest-4	21.66	21.52	21.46
HSUPA Subtest-1	20.19	20.19	20.05
HSUPA Subtest-2	20.63	20.56	20.71
HSUPA Subtest-3	20.94	20.87	20.94
HSUPA Subtest-4	20.13	20.05	20.13
HSUPA Subtest-5	21.28	21.24	21.18

LTE Band 4

Band/BW	Modulation	RB Size	RB Offset	Low CH 19957	Mid CH 20175	High CH 20393	MPR
				Frequency 1710.7 MHz	Frequency 1732.5 MHz	Frequency 1754.3 MHz	
4/ 1.4	QPSK	1	0	22.94	22.90	22.70	0
		1	2	23.03	22.95	22.86	0
		1	5	22.87	22.74	22.59	0
		3	0	22.66	22.58	22.58	0
		3	1	22.78	22.74	22.48	0
		3	3	22.61	22.55	22.51	0
		6	0	22.74	22.64	22.51	1
	16QAM	1	0	22.63	22.59	22.45	1
		1	2	22.74	22.60	22.57	1
		1	5	22.50	22.42	22.38	1
		3	0	22.27	22.09	22.04	1
		3	1	22.19	22.28	22.08	1
		3	3	22.25	22.12	22.10	1
		6	0	22.24	22.13	21.95	2
	64QAM	1	0	22.33	22.33	22.18	2
		1	2	22.40	22.36	22.25	2
		1	5	22.28	22.13	22.08	2
		3	0	21.17	21.13	20.96	2
		3	1	21.25	21.17	21.03	2
		3	3	21.24	21.14	21.10	2
		6	0	21.28	21.14	21.01	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 19965	Mid CH 20175	High CH 20385	MPR
				Frequency 1711.5 MHz	Frequency 1732.5 MHz	Frequency 1753.5 MHz	
4/ 3	QPSK	1	0	22.96	22.92	22.69	0
		1	7	22.99	22.96	22.86	0
		1	14	22.83	22.74	22.59	0
		8	0	22.65	22.61	22.58	1
		8	3	22.71	22.74	22.50	1
		8	7	22.58	22.62	22.55	1
		15	0	22.71	22.65	22.45	1
	16QAM	1	0	22.60	22.65	22.48	1
		1	7	22.71	22.63	22.55	1
		1	14	22.53	22.42	22.38	1
		8	0	22.23	22.10	22.04	2
		8	3	22.24	22.23	22.11	2
		8	7	22.27	22.10	22.06	2
		15	0	22.24	22.07	21.98	2
	64QAM	1	0	22.39	22.36	22.12	2
		1	7	22.43	22.30	22.24	2
		1	14	22.29	22.15	22.08	2
		8	0	21.20	21.17	20.97	3
		8	3	21.29	21.11	21.08	3
		8	7	21.21	21.18	21.06	3
		15	0	21.30	21.11	21.05	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 19975	Mid CH 20175	High CH 20375	MPR
				Frequency 1712.5 MHz	Frequency 1732.5 MHz	Frequency 1752.5 MHz	
4/ 5	QPSK	1	0	22.97	22.87	22.70	0
		1	12	23.04	22.93	22.86	0
		1	24	22.84	22.73	22.63	0
		12	0	22.68	22.61	22.55	1
		12	6	22.71	22.75	22.51	1
		12	13	22.62	22.58	22.56	1
		25	0	22.69	22.68	22.48	1
	16QAM	1	0	22.61	22.61	22.48	1
		1	12	22.68	22.66	22.54	1
		1	24	22.53	22.42	22.37	1
		12	0	22.23	22.08	22.01	2
		12	6	22.21	22.27	22.07	2
		12	13	22.22	22.12	22.09	2
		25	0	22.24	22.08	21.95	2
	64QAM	1	0	22.33	22.33	22.18	2
		1	12	22.40	22.36	22.24	2
		1	24	22.22	22.20	22.08	2
		12	0	21.21	21.14	20.96	3
		12	6	21.23	21.18	21.07	3
		12	13	21.25	21.17	21.03	3
		25	0	21.26	21.17	21.03	3

Band/BW	Modulation	RB Size	RB Offset	Low CH 20000	Mid CH 20175	High CH 20350	MPR
				Frequency 1715 MHz	Frequency 1732.5 MHz	Frequency 1750 MHz	
4/ 10	QPSK	1	0	22.94	22.90	22.70	0
		1	24	23.04	22.93	22.87	0
		1	49	22.81	22.77	22.59	0
		25	0	22.69	22.60	22.58	1
		25	12	22.77	22.69	22.51	1
		25	25	22.60	22.55	22.55	1
		50	0	22.74	22.68	22.45	1
	16QAM	1	0	22.61	22.58	22.44	1
		1	24	22.73	22.62	22.57	1
		1	49	22.53	22.43	22.34	1
		25	0	22.25	22.06	22.07	2
		25	12	22.25	22.21	22.12	2
		25	25	22.21	22.13	22.06	2
		50	0	22.28	22.07	21.99	2
	64QAM	1	0	22.32	22.34	22.15	2
		1	24	22.45	22.32	22.28	2
		1	49	22.28	22.14	22.05	2
		25	0	21.19	21.11	21.02	3
		25	12	21.30	21.17	21.01	3
		25	25	21.24	21.14	21.05	3
		50	0	21.31	21.13	21.04	3