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	2409FPCC4G
FCC ID:	2AFZZPCC4G
Date of tests:	Jul. 12, 2024 ~ Aug. 05, 2024

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

☒ **FCC Part 27** ☒ **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 Wang Date: Aug. 05, 2024	Luke Lu Date: Aug. 05, 2024

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-240618W002RF08	Original release	Aug. 05, 2024

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 27 & PART 2		
STANDARD SECTION	**TEST TYPE AND LIMIT**	**RESULT**
§2.1046	Conducted Output Power	Compliance
§27.50(d)(4) §27.50(h)(2) §27.50(k)(3)	Equivalent Isotropically Radiated Power (Band 4) (Band 38) (Band 41) (Band 42) (Band 66)	Compliance
§2.1055 §27.54	Frequency Stability	Compliance
§2.1049	Occupied Bandwidth	Compliance
§2.1051 §27.53(h) §27.53(m)(4)(6) §27.53(n)(2)	Conducted Band Edge Measurements (Band 4) (Band 38) (Band 41) (Band 42) (Band 66)	Compliance
§2.1051 §27.53(h) §27.53(m)(4)(6) §27.53(n)(2	Conducted Spurious Emissions ((Band 4) (Band 38) (Band 41) (Band 42) (Band 66)	Compliance
§2.1053 §27.53(h) §27.53(m)(4)(6) §27.53(n)(2)	Radiated Spurious Emissions (Band 4) (Band 38) (Band 41) (Band 42) (Band 66)	Compliance
§27.50(d)(5)	Peak to average ratio	Compliance

NOTE:

1. The worst-case scenario for all measurements is based on an engineering evaluation made on different modulations. Then, QPSK and 16QAM were observed as the worst mode to LTE bands respectively and set for all conducted and radiated. Output power measurements were measured on QPSK, 16QAM, and 64QAM modulations, and tests other than output power are performed only in worse-case QPSK and 16QAM modulations.
2. This report refers to the data of W7L-240618W001RF08(FCC ID: 2AFZZRAD4G), the difference of 24094RAD4G and 2409FPCC4G is model, FCC ID, brand name and 2409FPCC4G remove one camera. This report of spot-Check Please Refer to folder the naming (xiaomi O17p Spot-check).

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 (9KHz~30MHz)	±2.68dB
Radiated emissions & Radiated Power (30MHz~1GHz)	±4.98dB
Radiated emissions & Radiated Power (1GHz ~6GHz)	±4.70dB
Radiated emissions (6GHz ~18GHz)	±4.60dB
Radiated emissions (18GHz ~40GHz)	±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	Mar. 28,24	Mar. 27,25
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	May.10,24	May.09,25
Loop Antenna	Schwarzbeck	FMZB 1519B	00173	Sep.03,23	Sep.02,24
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Feb. 18,24	Feb. 17,25
Horn Antenna	ETS-LINDGREN	3117	00168692	Feb. 18,24	Feb. 17,25
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Sep.04, 23	Sep.03, 24
Radio Communication Analyzer	ANRITSU	MT8820C	6201465426	Feb. 14,24	Feb. 13,25
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May. 06,24	May. 05,25
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.10,24	May.09,25
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Feb. 17,24	Feb.16,25
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	Nov. 14,23	Nov. 13,26
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	JS1120	3.1.36	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	50HF-010-SMA	May. 06,24	May. 05,25
Power Meter	Anritsu	ML2495A	1506002	Feb. 14,24	Feb. 13,25
Power Sensor	Anritsu	MA2411B	1339352	Feb. 14,24	Feb. 13,25
Temperature Chamber	ESPEC	SH-242	93000855	May. 06,24	May. 05,25
MXG Analog Microvave Signal Generator	KEYSIGHT	N5183A	MY50143024	Feb. 14,24	Feb. 13,25
Base station R&S CMW500	Rohde&Schwarz	CMW500	153085	May.10,24	May.09,25
DC Source	Kikusui/JP	PMX18-5A	N/A	Aug. 11,23	Aug. 10,24

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	2409FPCC4G	
NOMINAL VOLTAGE	5/5~11Vdc(adapter or host equipment) 3.91Vdc (Li-ion, battery)	
MODULATION TECHNOLOGY	**LTE**	QPSK, 16QAM, 64QAM
FREQUENCY RANGE	**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 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 41 Channel Bandwidth: 5MHz	2498.5MHz ~ 2687.5MHz
	LTE Band 41 Channel Bandwidth: 10MHz	2501MHz ~ 2685MHz
	LTE Band 41 Channel Bandwidth: 15MHz	2503.5MHz ~ 2682.5MHz
	LTE Band 41 Channel Bandwidth: 20MHz	2506MHz ~ 2680MHz
	LTE Band 42 Channel Bandwidth: 5MHz	3452.5 MHz ~ 3547.5MHz
	LTE Band 42 Channel Bandwidth: 10MHz	3455MHz ~ 3545MHz
	LTE Band 42 Channel Bandwidth: 15MHz	3457.5MHz ~ 3542.5MHz

FREQUENCY RANGE	**LTE Band 42 Channel Bandwidth: 20MHz**	3460MHz ~ 3540MHz
	LTE Band 66 Channel Bandwidth: 1.4MHz	1710.7MHz ~ 1779.3MHz
	LTE Band 66 Channel Bandwidth: 3MHz	1711.5MHz ~ 1778.5MHz
	LTE Band 66 Channel Bandwidth: 5MHz	1712.5MHz ~ 1777.5MHz
	LTE Band 66 Channel Bandwidth: 10MHz	1715MHz ~ 1775MHz
	LTE Band 66 Channel Bandwidth: 15MHz	1717.5MHz ~ 1772.5MHz
	LTE Band 66 Channel Bandwidth: 20MHz	1720MHz ~ 1770MHz
MAX. EIRP POWER	**LTE Band 4 Channel Bandwidth: 1.4MHz**	367.28mW
	LTE Band 4 Channel Bandwidth: 3MHz	364.75mW
	LTE Band 4 Channel Bandwidth: 5MHz	365.59mW
	LTE Band 4 Channel Bandwidth: 10MHz	362.24mW
	LTE Band 4 Channel Bandwidth: 15MHz	358.1mW
	LTE Band 4 Channel Bandwidth: 20MHz	368.13mW
	LTE Band 38 Channel Bandwidth: 5MHz	214.29mW
	LTE Band 38 Channel Bandwidth: 10MHz	213.3mW
	LTE Band 38 Channel Bandwidth: 15MHz	213.8mW
	LTE Band 38 Channel Bandwidth: 20MHz	218.27mW
	LTE Band 41 Channel Bandwidth: 5MHz	216.27mW
	LTE Band 41 Channel Bandwidth: 10MHz	217.27mW
	LTE Band 41 Channel Bandwidth: 15MHz	218.78mW
	LTE Band 41 Channel Bandwidth: 20MHz	219.79mW

MAX. EIRP POWER	LTE Band 42 Channel Bandwidth: 5MHz	243.78mW
	LTE Band 42 Channel Bandwidth: 10MHz	243.78mW
	LTE Band 42 Channel Bandwidth: 15MHz	246.04mW
	LTE Band 42 Channel Bandwidth: 20MHz	249.46mW
	LTE Band 66 Channel Bandwidth: 1.4MHz	369.83mW
	LTE Band 66 Channel Bandwidth: 3MHz	374.97mW
	LTE Band 66 Channel Bandwidth: 5MHz	373.25mW
	LTE Band 66 Channel Bandwidth: 10MHz	378.44mW
	LTE Band 66 Channel Bandwidth: 15MHz	375.84mW
	LTE Band 66 Channel Bandwidth: 20MHz	381.07mW
EMISSION DESIGNATOR	LTE Band 41 Channel Bandwidth: 5MHz	QPSK: 4M52G7D
		16QAM: 4M49W7D
	LTE Band 41 Channel Bandwidth: 10MHz	QPSK: 9M00G7D
		16QAM: 8M97W7D
	LTE Band 41 Channel Bandwidth: 15MHz	QPSK: 13M5G7D
		16QAM: 13M5W7D
	LTE Band 41 Channel Bandwidth: 20MHz	QPSK: 18M0G7D
		16QAM: 18M0W7D
	LTE Band 42 Channel Bandwidth: 5MHz	QPSK: 4M51G7D
		16QAM: 4M50W7D
	LTE Band 42 Channel Bandwidth: 10MHz	QPSK: 8M99G7D
		16QAM: 8M97W7D

EMISSION DESIGNATOR	**LTE Band 42 Channel Bandwidth: 15MHz**	QPSK: 13M5G7D
		16QAM: 13M5W7D
	LTE Band 42 Channel Bandwidth: 20MHz	QPSK: 18M0G7D
		16QAM: 18M0W7D
	LTE Band 66 Channel Bandwidth: 1.4MHz	QPSK: 1M10G7D
		16QAM: 1M10W7D
	LTE Band 66 Channel Bandwidth: 3MHz	QPSK: 2M69G7D
		16QAM: 2M70W7D
	LTE Band 66 Channel Bandwidth: 5MHz	QPSK: 4M51G7D
		16QAM: 4M50W7D
	LTE Band 66 Channel Bandwidth: 10MHz	QPSK: 9M01G7D
		16QAM: 8M99W7D
	LTE Band 66 Channel Bandwidth: 15MHz	QPSK: 13M5G7D
		16QAM: 13M5W7D
	LTE Band 66 Channel Bandwidth: 20MHz	QPSK: 18M0G7D
		16QAM: 17M9W7D
ANTENNA TYPE	ANT 4(UP): PIFA Antenna with 0.3dBi gain for LTE B4 PIFA Antenna with -1dBi gain for LTE B38 PIFA Antenna with -1dBi gain for LTE B41 PIFA Antenna with 0.3dBi gain for LTE B66 ANT 1(DOWN): PIFA Antenna with 1.3dBi gain for LTE B4 PIFA Antenna with -0.6dBi gain for LTE B38 PIFA Antenna with -0.6dBi gain for LTE B41 PIFA Antenna with 1.3dBi gain for LTE B66 ANT 2(UP): PIFA Antenna with -2dBi gain for LTE B42 ANT 3(UP): PIFA Antenna with -2.2dBi gain for LTE B41 PIFA Antenna with -2.1dBi gain for LTE B42 ANT 5(UP): PIFA Antenna with -0.2dBi gain for LTE B42 ANT 7(UP): PIFA Antenna with -2.7dBi gain for LTE B41 PIFA Antenna with -0.1dBi gain for LTE B42	
HW VERSION	13510O17P	
SW VERSION	Xiaomi HyperOS 1.0	
IMEI	861781070039865	

I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB cable1: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable2: non-shielded cable, with w/o ferrite core, 1.0 meter
EXTREME TEMPERATURE	0-40 ℃
EXTREME VOLTAGE	3.7V - 4.3V

NOTE:

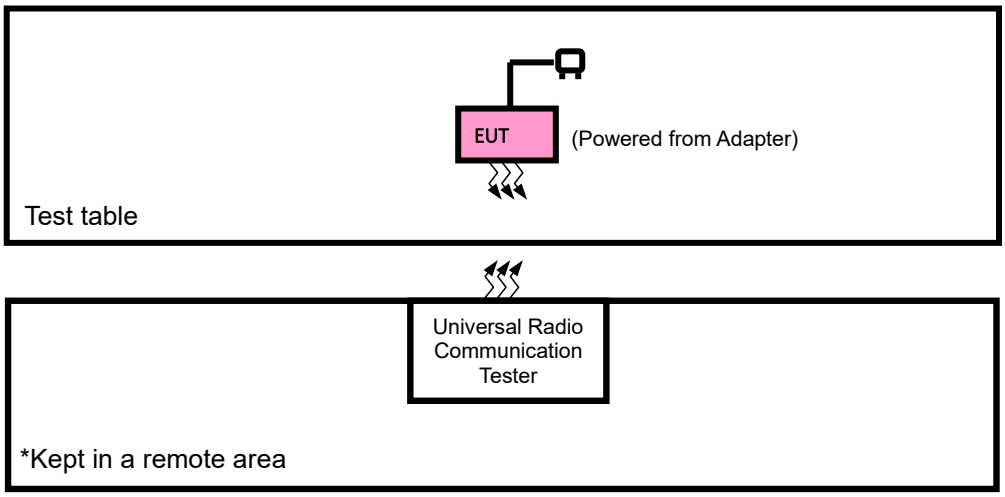
1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. Physically, the EUT provides two completed transmitters and two receivers.

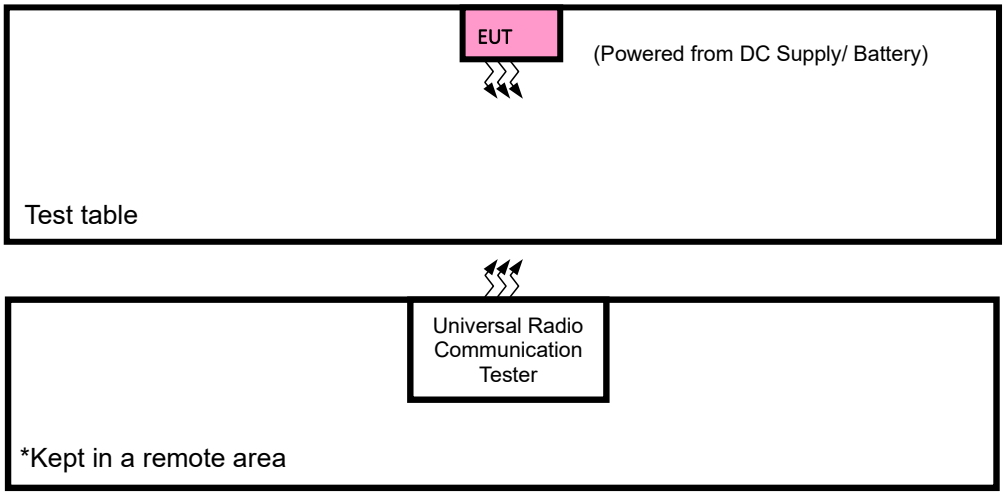
MODULATION MODE	TX FUNCTION
LTE	SISO-2TX

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.

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	N/A	N/A	N/A	N/A	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	USB cable: Unshielded, Detachable 1.0m

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	DESCRIPTION
A	EUT + Adapter + USB Cable with LTE link
B	EUT + DC source with LTE link

LTE BAND 4 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	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

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. LTE Band 4 are covered by LTE Band 66, Because it is a subset of LTE Band 66 with the same output power and supported bandwidths, So the conducted test data and RSE test data please refer to LTE Band 66

LTE BAND 38 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	37775 to 38225	37775, 38000, 38225	5MHz	QPSK,16QAM,64QAM	1 RB / 0 RB Offset
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK,16QAM,64QAM	1 RB / 0RB Offset
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK,16QAM,64QAM	1 RB / 0 RB Offset
		37850 to38150	37850, 38000, 38150	20MHz	QPSK,16QAM,64QAM	1 RB / 0 RB Offset

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2. LTE Band 38 are covered by LTE Band 41, Because it is a subset of LTE Band 41 with the same output power and supported bandwidths, So the conducted test data and RSE test data please refer to LTE Band 41.

LTE BAND 41 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		39700 to 41540	39700, 40620,41540	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	39700 to 41540	39700, 40620,41540	10MHz	QPSK	50 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		39700 to 41540	39700, 40620,41540	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM	75 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	100 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	BAND EDGE	39675 to 41565	39675	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
			41565	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		39700 to 41540	39700	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
			41540	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
		39725 to 41515	39725	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						75 RB / 0 RB Offset
			41515	15MHz	QPSK, 16QAM	1 RB / 74 RB Offset
						75 RB / 0 RB Offset
		39750 to 41490	39750	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						100 RB / 0 RB Offset
			41490	20MHz	QPSK, 16QAM	1 RB / 99 RB Offset
						100 RB / 0 RB Offset
A	CONDUCTED EMISSION	39675 to 41565	39675, 40620, 41565	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	39700, 40620,41540	10MHz	QPSK	1 RB / 0RB Offset

		39725 to 41515	39725, 40620, 41515	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	39675 to 41565	40620	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	40620	10MHz	QPSK	1 RB / 0RB Offset
		39725 to 41515	40620	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	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 42

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	42115 to 43065	42115 (3452.5MHz), 42590 (3500.0MHz), 43065 (3547.5MHz)	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		42140 to 43040	42140 (3455.0MHz), 42590 (3500.0MHz), 43040 (3545.0MHz)	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		42165 to 43015	42165 (3457.50MHz), 42590 (3500.0MHz), 43015 (3542.5MHz)	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		42190 to 42990	42190 (3460.0MHz), 42590 (3500.0MHz), 42990 (3540.0MHz)	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	42140 to 43040	42140 (3455.0MHz), 42590 (3500.0MHz), 43040 (3545.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	42115 to 43065	42115 (3452.5MHz), 42590 (3500.0MHz), 43065 (3547.5MHz)	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		42140 to 43040	42140 (3455.0MHz), 42590 (3500.0MHz), 43040 (3545.0MHz)	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
		42165 to 43015	42165 (3457.50MHz), 42590 (3500.0MHz), 43015 (3542.5MHz)	15MHz	QPSK, 16QAM	75 RB / 0 RB Offset
		42190 to 42990	42190 (3460.0MHz), 42590 (3500.0MHz), 42990 (3540.0MHz)	20MHz	QPSK, 16QAM	100 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	42190 to 42990	42190 (3460.0MHz), 42590 (3500.0MHz), 42990 (3540.0MHz)	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	BAND EDGE	42115 to 43065	42115	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
			43065	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		42140 to 43040	42140	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
			43040	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
		42165 to 43015	42165	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						75 RB / 0 RB Offset
			43015	15MHz	QPSK, 16QAM	1 RB / 74 RB Offset
						75 RB / 0 RB Offset

		42190 to 42990	42190	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						100 RB / 0 RB Offset
			42990	20MHz	QPSK, 16QAM	1 RB / 99 RB Offset
						100 RB / 0 RB Offset
A	CONDUCTED EMISSION	42115 to 43065	42115 (3452.5MHz), 42590 (3500.0MHz), 43065 (3547.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		42140 to 43040	42140 (3455.0MHz), 42590 (3500.0MHz), 43040 (3545.0MHz)	10MHz	QPSK	1 RB / 0RB Offset
		42165 to 43015	42165 (3457.50MHz), 42590 (3500.0MHz), 43015 (3542.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		42190 to 42990	42190 (3460.0MHz), 42590 (3500.0MHz), 42990 (3540.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	42115 to 43065	42590 (3500.0MHz),	5MHz	QPSK	1 RB / 0 RB Offset
		42140 to 43040	42590 (3500.0MHz),	10MHz	QPSK	1 RB / 0RB Offset
		42165 to 43015	42590 (3500.0MHz),	15MHz	QPSK	1 RB / 0 RB Offset
		42190 to 42990	42190 (3460.0MHz), 42590 (3500.0MHz), 42990 (3540.0MHz)	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 66 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	131979 to 132665	131979,132322,132665	1.4MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	132022 to 132622	132022,132322,132622	10MHz	QPSK	50 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	131979 to 132665	131979,132322,132665	1.4MHz	QPSK, 16QAM	6 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK, 16QAM	15 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK, 16QAM	75 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK, 16QAM	100 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	132072 to 132572	132072, 132572	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	BAND EDGE	131979 to 132322	131979	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						6 RB / 0 RB Offset
			132322	1.4MHz	QPSK, 16QAM	1 RB / 5 RB Offset
						6 RB / 0 RB Offset
		131987 to 132657	131987	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						15 RB / 0 RB Offset
			132657	3MHz	QPSK, 16QAM	1 RB / 14 RB Offset
						15 RB / 0 RB Offset
		131997 to 132647	131997	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
			132647	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		132022 to 132622	132022	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
			132622	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
		132047 to 132597	132047	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						75 RB / 0 RB Offset
			132597	15MHz	QPSK, 16QAM	1 RB / 74 RB Offset
						75 RB / 0 RB Offset
		132072 to 132572	132072	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						100 RB / 0 RB Offset
			132572	20MHz	QPSK, 16QAM	1 RB / 99 RB Offset
						100 RB / 0 RB Offset

A	CONDUCTED EMISSION	131979 to 132665	131979,132322,132665	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK	1 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	131979 to 132665	132322	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	132322	3MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	132322	5MHz	QPSK	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK	1 RB / 0 RB Offset
		132047 to 132597	132322	15MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132322	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&EIRP	23deg. C, 70%RH	DC 5/5~11V By Adapter	Jace Hu
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.7/3.91/4.3 By DC Source	James Fu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC 5/5~11V By Adapter	James Fu
BAND EDGE	23deg. C, 70%RH	DC 5/5~11V By Adapter	James Fu
CONDUCTED EMISSION	23deg. C, 70%RH	DC 5/5~11V By Adapter	James Fu
RADIATED EMISSION	23deg. C, 70%RH	DC 5/5~11V By Adapter	Jace Hu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC 5/5~11V By Adapter	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.”

According to the specific rule Part 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

According to the specific rule Part 27.50 (k)(3) Mobile devices are limited to 1Watt (30 dBm) EIRP, Mobile devices operating inl these bands must employ a means for limiting power to the minimum necessary for successful communications

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 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);

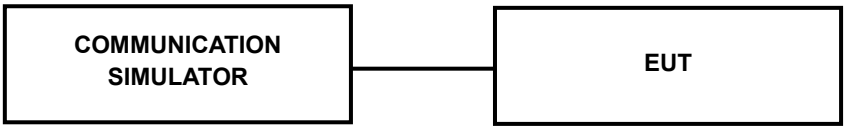
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

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

CONDUCTED OUTPUT POWER (dBm)

ANT4(UP):

LTE Band 4

Band/BW	Modulation	RB Size	RB Offset	Low CH 19957	Mid CH 20175	High CH 20393
				Frequency 1710.7 MHz	Frequency 1732.5 MHz	Frequency 1754.3 MHz
4/ 1.4	QPSK	1	0	23.41	23.48	23.56
		1	2	23.58	23.78	23.62
		1	5	23.68	23.57	23.37
		3	0	23.44	23.51	23.53
		3	1	23.44	23.56	23.41
		3	3	23.69	23.45	23.39
		6	0	22.75	22.73	22.69
	16QAM	1	0	22.79	22.76	22.79
		1	2	22.86	22.87	22.86
		1	5	22.94	22.89	22.68
		3	0	22.53	22.47	22.53
		3	1	22.49	22.52	22.39
		3	3	22.65	22.56	22.43
		6	0	21.62	21.68	21.59
	64QAM	1	0	21.78	21.60	21.79
		1	2	21.74	21.78	21.65
		1	5	21.78	21.66	21.60
		3	0	21.58	21.51	21.69
		3	1	21.61	21.66	21.54
		3	3	21.82	21.65	21.63
		6	0	20.86	20.82	20.83

Band/BW	Modulation	RB Size	RB Offset	Low CH 19965 Frequency 1711.5 MHz	Mid CH 20175 Frequency 1732.5 MHz	High CH 20385 Frequency 1753.5 MHz
4/ 3	QPSK	1	0	23.48	23.46	23.48
		1	7	23.60	23.71	23.63
		1	14	23.62	23.48	23.41
		8	0	22.54	22.67	22.66
		8	3	22.65	22.69	22.64
		8	7	22.77	22.68	22.63
		15	0	22.72	22.64	22.63
	16QAM	1	0	22.73	22.85	22.89
		1	7	22.80	22.98	22.92
		1	14	22.81	22.89	22.78
		8	0	21.73	21.56	21.71
		8	3	21.67	21.71	21.70
		8	7	21.82	21.74	21.71
		15	0	21.67	21.62	21.64
	64QAM	1	0	21.68	21.62	21.76
		1	7	21.78	21.77	21.76
		1	14	21.81	21.74	21.63
		8	0	20.73	20.83	20.94
		8	3	20.73	20.85	20.78
		8	7	21.00	20.85	20.76
		15	0	20.90	20.78	20.76

Band/BW	Modulation	RB Size	RB Offset	Low CH 19975 Frequency 1712.5 MHz	Mid CH 20175 Frequency 1732.5 MHz	High CH 20375 Frequency 1752.5 MHz
4/ 5	QPSK	1	0	23.48	23.48	23.58
		1	12	23.61	23.76	23.70
		1	24	23.65	23.54	23.50
		12	0	22.58	22.59	22.62
		12	6	22.63	22.66	22.73
		12	13	22.73	22.70	22.66
		25	0	22.69	22.74	22.59
	16QAM	1	0	22.68	22.81	22.84
		1	12	22.84	22.87	22.84
		1	24	22.82	22.79	22.67
		12	0	21.73	21.59	21.74
		12	6	21.59	21.61	21.64
		12	13	21.82	21.72	21.58
		25	0	21.72	21.66	21.61
	64QAM	1	0	21.67	21.55	21.80
		1	12	21.70	21.78	21.63
		1	24	21.88	21.74	21.53
		12	0	20.73	20.78	20.88
		12	6	20.83	20.95	20.79
		12	13	21.01	20.76	20.80
		25	0	20.78	20.92	20.84

Band/BW	Modulation	RB Size	RB Offset	Low CH 20000	Mid CH 20175	High CH 20350
				Frequency 1715 MHz	Frequency 1732.5 MHz	Frequency 1750 MHz
4/ 10	QPSK	1	0	23.38	23.55	23.61
		1	24	23.57	23.71	23.70
		1	49	23.58	23.59	23.42
		25	0	22.58	22.61	22.63
		25	12	22.57	22.70	22.64
		25	25	22.86	22.72	22.60
		50	0	22.72	22.63	22.68
	16QAM	1	0	22.75	22.87	22.88
		1	24	22.86	22.86	22.91
		1	49	22.90	22.86	22.79
		25	0	21.78	21.54	21.68
		25	12	21.62	21.65	21.60
		25	25	21.74	21.71	21.66
		50	0	21.60	21.64	21.62
	64QAM	1	0	21.71	21.55	21.79
		1	24	21.67	21.82	21.74
		1	49	21.79	21.63	21.57
		25	0	20.73	20.70	20.89
		25	12	20.76	20.91	20.79
		25	25	20.96	20.80	20.75
		50	0	20.82	20.88	20.83

Band/BW	Modulation	RB Size	RB Offset	Low CH 20025 Frequency 1717.5 MHz	Mid CH 20175 Frequency 1732.5 MHz	High CH 20325 Frequency 1747.5 MHz
4/ 15	QPSK	1	0	23.46	23.48	23.58
		1	37	23.67	23.78	23.56
		1	74	23.58	23.59	23.43
		36	0	22.59	22.61	22.62
		36	19	22.65	22.80	22.63
		36	39	22.73	22.67	22.66
		75	0	22.73	22.69	22.60
	16QAM	1	0	22.78	22.83	22.80
		1	37	22.84	22.92	22.91
		1	74	22.89	22.91	22.66
		36	0	21.69	21.54	21.61
		36	19	21.59	21.66	21.59
		36	39	21.86	21.74	21.59
		75	0	21.71	21.64	21.56
	64QAM	1	0	21.81	21.55	21.77
		1	37	21.74	21.81	21.63
		1	74	21.79	21.74	21.51
		36	0	20.77	20.74	20.95
		36	19	20.71	20.95	20.76
		36	39	20.94	20.76	20.76
		75	0	20.78	20.86	20.79

Band/BW	Modulation	RB Size	RB Offset	Low CH 20050 Frequency 1720 MHz	Mid CH 20175 Frequency 1732.5 MHz	High CH 20300 Frequency 1745 MHz
4/ 20	QPSK	1	0	23.50	23.60	23.62
		1	50	23.69	**23.80**	23.71
		1	99	23.63	23.63	23.51
		50	0	22.65	22.72	22.77
		50	25	22.78	22.88	22.79
		50	50	22.72	22.74	22.72
		100	0	22.73	22.78	22.71
	16QAM	1	0	22.80	22.89	22.91
		1	50	22.93	23.00	22.94
		1	99	22.96	22.94	22.80
		50	0	21.82	21.69	21.75
		50	25	21.73	21.76	21.71
		50	50	21.88	21.79	21.73
		100	0	21.74	21.70	21.70
	64QAM	1	0	21.82	21.69	21.85
		1	50	21.80	21.90	21.78
		1	99	21.89	21.75	21.64
		50	0	20.84	20.84	21.00
		50	25	20.85	20.97	20.87
		50	50	21.03	20.89	20.87
		100	0	20.93	20.93	20.91

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Band/BW	Modulation	RB Size	RB Offset	Low CH 37775 Frequency 2572.5 MHz	Mid CH 38000 Frequency 2595 MHz	High CH 38225 Frequency 2617.5MHz
38/ 5	QPSK	1	0	23.17	23.33	23.14
		1	12	23.14	23.20	23.20
		1	24	23.24	23.14	23.11
		12	0	22.32	22.37	22.12
		12	6	22.23	22.21	22.20
		12	13	22.26	22.06	22.06
		25	0	22.24	22.19	22.22
	16QAM	1	0	22.25	22.26	22.27
		1	12	22.36	22.13	22.20
		1	24	22.13	22.04	22.04
		12	0	21.29	21.15	21.16
		12	6	21.28	21.22	21.14
		12	13	21.14	21.10	21.19
		25	0	21.23	21.18	21.10
	64QAM	1	0	21.35	21.25	21.21
		1	12	21.22	21.22	21.26
		1	24	21.12	21.17	21.11
		12	0	20.27	20.15	20.16
		12	6	20.22	20.12	20.25
		12	13	20.12	20.02	20.08
		25	0	20.25	20.09	20.07

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
38/ 10	QPSK	1	0	23.27	23.24	23.11
		1	24	23.08	23.27	23.16
		1	49	23.20	23.18	23.14
		25	0	22.29	22.32	22.14
		25	12	22.32	22.20	22.15
		25	25	22.17	22.12	22.10
		50	0	22.13	22.29	22.15
	16QAM	1	0	22.33	22.22	22.23
		1	24	22.31	22.27	22.22
		1	49	22.15	22.09	22.02
		25	0	21.26	21.22	21.22
		25	12	21.28	21.27	21.21
		25	25	21.13	21.15	21.09
		50	0	21.31	21.12	21.21
	64QAM	1	0	21.27	21.28	21.10
		1	24	21.24	21.18	21.22
		1	49	21.03	21.06	21.14
		25	0	20.27	20.10	20.09
		25	12	20.29	20.19	20.11
		25	25	20.16	20.08	20.14
		50	0	20.24	20.15	20.18

Band/BW	Modulation	RB Size	RB Offset	Low CH 37825 Frequency 2577.5 MHz	Mid CH 38000 Frequency 2595 MHz	High CH 38175 Frequency 2612.5MHz
38/ 15	QPSK	1	0	23.18	23.25	23.21
		1	37	23.18	23.27	23.15
		1	74	23.17	23.19	23.07
		36	0	22.37	22.30	22.23
		36	19	22.27	22.18	22.20
		36	39	22.12	22.12	22.16
		75	0	22.22	22.26	22.12
	16QAM	1	0	22.33	22.33	22.18
		1	37	22.37	22.27	22.19
		1	74	22.17	22.05	22.10
		36	0	21.34	21.15	21.16
		36	19	21.31	21.25	21.16
		36	39	21.26	21.20	21.19
		75	0	21.27	21.23	21.13
	64QAM	1	0	21.32	21.19	21.10
		1	37	21.30	21.17	21.15
		1	74	21.07	21.15	21.08
		36	0	20.32	20.20	20.17
		36	19	20.29	20.14	20.11
		36	39	20.10	20.04	20.16
		75	0	20.19	20.20	20.06

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
38/ 20	QPSK	1	0	23.32	**23.34**	23.26
		1	50	23.23	23.30	23.22
		1	99	23.29	23.21	23.18
		50	0	22.39	22.41	22.26
		50	25	22.36	22.24	22.23
		50	50	22.27	22.18	22.19
		100	0	22.28	22.33	22.24
	16QAM	1	0	22.40	22.36	22.31
		1	50	22.41	22.28	22.27
		1	99	22.22	22.11	22.12
		50	0	21.40	21.29	21.23
		50	25	21.36	21.30	21.25
		50	50	21.28	21.22	21.24
		100	0	21.33	21.26	21.22
	64QAM	1	0	21.36	21.33	21.23
		1	50	21.37	21.25	21.28
		1	99	21.14	21.18	21.19
		50	0	20.35	20.24	20.23
		50	25	20.31	20.23	20.26
		50	50	20.24	20.16	20.17
		100	0	20.29	20.23	20.20

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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
41/ 5	QPSK	1	0	23.46	23.22	23.12
		1	12	23.35	23.20	23.11
		1	24	23.24	23.16	23.14
		12	0	22.33	22.38	22.20
		12	6	22.18	22.29	22.06
		12	13	22.24	22.27	22.13
		25	0	22.36	22.23	22.13
	16QAM	1	0	22.40	22.32	22.20
		1	12	22.41	22.30	22.10
		1	24	22.35	22.12	22.02
		12	0	21.40	21.35	21.14
		12	6	21.42	21.33	21.08
		12	13	21.40	21.23	21.02
		25	0	21.26	21.32	21.07
	64QAM	1	0	21.25	21.16	21.07
		1	12	21.34	21.22	21.13
		1	24	21.08	21.05	21.05
		12	0	20.35	20.24	20.09
		12	6	20.42	20.25	20.04
		12	13	20.27	20.27	20.15
		25	0	20.30	20.26	20.10

Band/BW	Modulation	RB Size	RB Offset	Low CH (39700)	Mid CH (40620)	High CH (41540)
				Frequency (2501)MHz	Frequency (2593)MHz	Frequency (2685)MHz
41/ 10	QPSK	1	0	23.37	23.21	23.11
		1	24	23.36	23.22	23.13
		1	49	23.27	23.13	23.03
		25	0	22.44	22.32	22.14
		25	12	22.18	22.36	22.10
		25	25	22.29	22.17	22.11
		50	0	22.44	22.30	22.02
	16QAM	1	0	22.39	22.38	22.13
		1	24	22.32	22.39	22.09
		1	49	22.34	22.20	22.07
		25	0	21.41	21.32	21.23
		25	12	21.36	21.36	21.16
		25	25	21.46	21.21	21.14
		50	0	21.35	21.28	21.02
	64QAM	1	0	21.24	21.25	21.13
		1	24	21.32	21.18	21.14
		1	49	21.04	21.02	21.08
		25	0	20.29	20.25	20.19
		25	12	20.36	20.29	20.10
		25	25	20.32	20.18	20.17
		50	0	20.36	20.21	20.06

Band/BW	Modulation	RB Size	RB Offset	Low CH (39725)	Mid CH (40620)	High CH (41515)
				Frequency (2503.5)MHz	Frequency (2593)MHz	Frequency (2682.5)MHz
41/ 15	QPSK	1	0	23.44	23.20	23.18
		1	37	23.42	23.26	23.17
		1	74	23.31	23.16	23.08
		36	0	22.39	22.28	22.21
		36	19	22.15	22.26	22.16
		36	39	22.30	22.29	22.13
		75	0	22.39	22.23	22.14
	16QAM	1	0	22.43	22.35	22.17
		1	37	22.35	22.36	22.11
		1	74	22.33	22.16	22.09
		36	0	21.34	21.39	21.19
		36	19	21.41	21.37	21.09
		36	39	21.36	21.25	21.09
		75	0	21.26	21.23	21.03
	64QAM	1	0	21.26	21.23	21.01
		1	37	21.29	21.20	21.05
		1	74	21.10	21.09	21.08
		36	0	20.37	20.36	20.09
		36	19	20.33	20.32	20.07
		36	39	20.31	20.19	20.15
		75	0	20.35	20.19	20.07

Band/BW	Modulation	RB Size	RB Offset	Low CH (39750)	Mid CH (40620)	High CH (41490)
				Frequency (2506)MHz	Frequency (2593)MHz	Frequency (2680)MHz
41/ 20	QPSK	1	0	**23.49**	23.35	23.23
		1	50	23.45	23.32	23.22
		1	99	23.34	23.17	23.18
		50	0	22.45	22.41	22.25
		50	25	22.23	22.37	22.20
		50	50	22.36	22.31	22.16
		100	0	22.47	22.37	22.15
	16QAM	1	0	22.51	22.46	22.24
		1	50	22.44	22.42	22.22
		1	99	22.39	22.27	22.15
		50	0	21.45	21.42	21.27
		50	25	21.45	21.39	21.19
		50	50	21.47	21.32	21.15
		100	0	21.39	21.37	21.17
	64QAM	1	0	21.33	21.31	21.10
		1	50	21.37	21.28	21.19
		1	99	21.18	21.12	21.16
		50	0	20.40	20.38	20.23
		50	25	20.43	20.34	20.16
		50	50	20.40	20.28	20.23
		100	0	20.42	20.33	20.13

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Band/BW	Modulation	RB Size	RB Offset	Low CH 131979 Frequency 1710.7MHz	Mid CH 132322 Frequency 1745MHz	High CH 132665 Frequency 1779.3MHz
66/ 1.4	QPSK	1	0	23.24	23.36	23.20
		1	2	23.50	23.50	23.40
		1	5	23.47	23.44	23.31
		3	0	23.27	23.43	23.25
		3	1	23.45	23.43	23.19
		3	3	23.51	23.38	23.34
		6	0	22.58	22.62	22.44
	16QAM	1	0	22.67	22.78	22.45
		1	2	22.70	22.81	22.59
		1	5	22.77	22.64	22.71
		3	0	22.47	22.32	22.25
		3	1	22.42	22.36	22.27
		3	3	22.54	22.44	22.32
		6	0	21.57	21.43	21.41
	64QAM	1	0	21.79	21.67	21.38
		1	2	21.72	21.62	21.56
		1	5	21.67	21.52	21.59
		3	0	21.45	21.65	21.46
		3	1	21.54	21.59	21.43
		3	3	21.67	21.47	21.34
		6	0	20.69	20.65	20.58

Band/BW	Modulation	RB Size	RB Offset	Low CH 131987 Frequency 1711.5MHz	Mid CH 132322 Frequency 1745MHz	High CH 132657 Frequency 1778.5MHz
66/ 3	QPSK	1	0	23.24	23.38	23.26
		1	7	23.59	23.56	23.38
		1	14	23.55	23.41	23.40
		8	0	22.49	22.57	22.37
		8	3	22.58	22.53	22.51
		8	7	22.73	22.58	22.44
		15	0	22.52	22.61	22.49
	16QAM	1	0	22.57	22.70	22.45
		1	7	22.68	22.83	22.65
		1	14	22.78	22.70	22.65
		8	0	21.65	21.60	21.39
		8	3	21.61	21.59	21.45
		8	7	21.77	21.49	21.54
		15	0	21.56	21.44	21.38
	64QAM	1	0	21.67	21.68	21.41
		1	7	21.70	21.59	21.56
		1	14	21.68	21.58	21.57
		8	0	20.69	20.78	20.64
		8	3	20.64	20.75	20.61
		8	7	20.93	20.72	20.59
		15	0	20.78	20.65	20.50

Band/BW	Modulation	RB Size	RB Offset	Low CH 131997 Frequency 1712.5MHz	Mid CH 132322 Frequency 1745MHz	High CH 132647 Frequency 1777.5MHz
66/ 5	QPSK	1	0	23.26	23.48	23.19
		1	12	23.49	23.57	23.34
		1	24	23.50	23.39	23.30
		12	0	22.54	22.64	22.40
		12	6	22.56	22.50	22.45
		12	13	22.74	22.55	22.51
		25	0	22.66	22.63	22.40
	16QAM	1	0	22.63	22.75	22.50
		1	12	22.75	22.88	22.54
		1	24	22.73	22.63	22.64
		12	0	21.62	21.59	21.45
		12	6	21.59	21.59	21.48
		12	13	21.67	21.57	21.50
		25	0	21.56	21.52	21.44
	64QAM	1	0	21.73	21.59	21.35
		1	12	21.73	21.63	21.57
		1	24	21.68	21.63	21.64
		12	0	20.65	20.79	20.67
		12	6	20.66	20.72	20.57
		12	13	20.80	20.77	20.57
		25	0	20.75	20.72	20.50

Band/BW	Modulation	RB Size	RB Offset	Low CH 132022 Frequency 1715MHz	Mid CH 132322 Frequency 1745MHz	High CH 132622 Frequency 1775MHz
66/ 10	QPSK	1	0	23.25	23.40	23.20
		1	24	23.53	23.45	23.35
		1	49	23.51	23.32	23.41
		25	0	22.51	22.50	22.43
		25	12	22.60	22.60	22.51
		25	25	22.69	22.61	22.46
		50	0	22.66	22.50	22.46
	16QAM	1	0	22.67	22.71	22.46
		1	24	22.70	22.78	22.59
		1	49	22.72	22.67	22.65
		25	0	21.58	21.60	21.48
		25	12	21.56	21.62	21.52
		25	25	21.65	21.56	21.55
		50	0	21.59	21.54	21.44
	64QAM	1	0	21.67	21.54	21.33
		1	24	21.62	21.68	21.65
		1	49	21.66	21.50	21.56
		25	0	20.61	20.82	20.59
		25	12	20.72	20.79	20.57
		25	25	20.86	20.79	20.62
		50	0	20.79	20.71	20.52

Band/BW	Modulation	RB Size	RB Offset	Low CH 132047 Frequency 1717.5 MHz	Mid CH 132322 Frequency 1745MHz	High CH 132597 Frequency 1772.5 MHz
66/ 15	QPSK	1	0	23.28	23.39	23.26
		1	37	23.60	23.50	23.34
		1	74	23.45	23.31	23.32
		36	0	22.44	22.59	22.38
		36	19	22.63	22.54	22.49
		36	39	22.70	22.61	22.48
		75	0	22.53	22.63	22.49
	16QAM	1	0	22.64	22.77	22.57
		1	37	22.79	22.91	22.55
		1	74	22.85	22.64	22.61
		36	0	21.68	21.59	21.47
		36	19	21.53	21.51	21.47
		36	39	21.64	21.55	21.48
		75	0	21.55	21.54	21.34
	64QAM	1	0	21.68	21.68	21.40
		1	37	21.74	21.64	21.65
		1	74	21.58	21.52	21.67
		36	0	20.61	20.74	20.55
		36	19	20.76	20.71	20.53
		36	39	20.85	20.69	20.55
		75	0	20.75	20.61	20.58