

VARIANT FCC TEST REPORT

(PART 96)

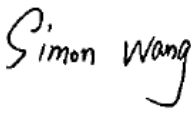
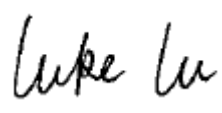
Applicant:	Power Idea Technology (Shenzhen) Co., Ltd.
Address:	4th Floor, A Section, Languang Science&technology Building, No.7 Xinxi RD, Hi-Tech Industrial Park North, Nanshan District, ShenZhen, P.R.C.

Manufacturer or Supplier:	Power Idea Technology (Shenzhen) Co., Ltd.
Address:	4th Floor, A Section, Languang Science&technology Building, No.7 Xinxi RD, Hi-Tech Industrial Park North, Nanshan District, ShenZhen, P.R.C.
Product:	Mobile phone
Brand Name:	RugGear
Model Name:	PSH03G
FCC ID:	ZLE-PSH03G
Date of tests:	Apr. 01, 2024 ~ July. 6, 2024 Sep. 05, 2024 ~ Sep. 29, 2024

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

☒ **47 CFR FCC Part 96**

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
 Date: Sep. 29, 2024	 Date: Sep. 29, 2024

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RELEASE CONTROL RECORD

ISSUE NO.	DESCRIPTION	DATE ISSUED
W7L-P24030018RF10	Original release	July. 6, 2024
W7L-P24090003RF10	Based on the original product changing the applicant information, manufacturer information, model name, brand name and FCC ID, replace motherboard and battery(two types). The new sample only verify EIRP and RSE worst case and verify results of EIRP are similar or lower, So this report only update RSE worse case(LTE Band 48) data.	Sep. 29, 2024

1 SUMMARY OF TEST RESULTS

47 CFR FCC PART 96		
FCC CLAUSE	TEST ITEM	RESULT
2.1046 96.41(b)	Maximum Peak Output Power and Maximum EIRP	Compliance
2.1051 96.41(e)	Conducted Band Edge	Compliance
2.1049	Occupied Bandwidth	Compliance
2.1055	Frequency Stability	Compliance
2.1051 96.41(e)	Conducted Spurious Emissions	Compliance
2.1053 96.41(e)	Radiated Spurious Emissions	Compliance
96.41(g)	Peak-to-Average Power Ratio	Compliance

Note :

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. 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, 64QAM, and 256QAM modulations, and tests other than output power are performed only in worse-case QPSK and 16QAM modulations.
3. For Band Edge and ACLR: All BW combinations were tested. Combination pairs of the same BW are considered generally equivalent. The RB combinations were selected such that the signal is active closest to the band limit, as this is the worst case.
4. For Out of Band Emissions: All combination was tested. The highest power RB combination was selected as worst case.

1.1 MEASUREMENT 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
Maximum Peak Output Power	$\pm 2.06\text{dB}$
Frequency Stability	$\pm 76.97\text{Hz}$
Radiated emissions (9KHz~30MHz)	$\pm 2.68\text{dB}$
Radiated emissions (30MHz~1GHz)	$\pm 4.98\text{dB}$
Radiated emissions (1GHz ~6GHz)	$\pm 4.70\text{dB}$
Radiated emissions (6GHz ~18GHz)	$\pm 4.60\text{dB}$
Radiated emissions (18GHz ~40GHz)	$\pm 4.12\text{dB}$
Conducted emissions	$\pm 4.01\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Band Edge Measurements	$\pm 4.70\text{dB}$
Peak to average ratio	$\pm 0.76\text{dB}$

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

#1:

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.10,23	May.09,24
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	May.09,24	May.08,25
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. 06,23	May. 05,24
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May. 05,24	May. 04,25
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.10,23	May.09,24
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.09,24	May.08,25
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. 06,23	May. 05,24
10dB Attenuator	JFW/USA	50HF-010-SMA	50HF-010-SMA	May. 05,24	May. 04,25
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. 06,23	May. 05,24
Temperature Chamber	ESPEC	SH-242	93000855	May. 05,24	May. 04,25
MXG Analog Microwave Signal Generator	KEYSIGHT	N5183A	MY50143024	Feb. 14,24	Feb. 13,25
Base station R&S CMW500	Rohde&Schwarz	CMW500	153085	May.10,23	May.09,24
Base station R&S CMW500	Rohde&Schwarz	CMW500	153085	May.09,24	May.08,25
DC Source	Kikusui/JP	PMX18-5A	N/A	Aug. 11,23	Aug. 10,24



#2:

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.03,24	Sep.02,25
Bilog Antenna	ETS-LINDGRE N	3143B	00161965	Feb. 18,24	Feb. 17,25
Horn Antenna	ETS-LINDGRE N	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, 24	Sep.03, 25
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-LINDGRE N	9m*6m*6m	Euroshieldpn- CT0001143-121 6	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&Schwa rz	CMW500	153085	May.10,24	May.09,25
DC Source	Kikusui/JP	PMX18-5A	N/A	Aug. 11,24	Aug. 10,25

- 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	RugGear	
MODEL NAME	PSH03G	
NOMINAL VOLTAGE	5Vdc (adapter or host equipment) 3.7Vdc (Li-ion, battery)	
MODULATION TECHNOLOGY	LTE	QPSK, 16QAM, 64QAM, 256QAM
FREQUENCY RANGE	LTE Band 42 Channel Bandwidth: 5MHz	3552.5 MHz ~ 3597.5MHz
	LTE Band 42 Channel Bandwidth: 10MHz	3555MHz ~ 3595MHz
	LTE Band 42 Channel Bandwidth: 15MHz	3557.5MHz ~ 3592.5MHz
	LTE Band 42 Channel Bandwidth: 20MHz	3560MHz ~ 3590MHz
	LTE Band CA_42C Channel Bandwidth: 5MHz+20MHz	3553.3MHz ~ 3590MHz
	LTE Band CA_42C Channel Bandwidth: 20MHz +5MHz	3560MHz ~ 3596.7MHz
	LTE Band CA_42C Channel Bandwidth: 10MHz +20MHz	3555.5MHz ~ 3590MHz
	LTE Band CA_42C Channel Bandwidth: 20MHz +10MHz	3580.1MHz ~ 3574.4MHz
	LTE Band CA_42C Channel Bandwidth: 15MHz +20MHz	3557.8MHz ~ 3590MHz
	LTE Band CA_42C Channel Bandwidth: 20MHz +15MHz	3560MHz ~ 3592.2MHz
	LTE Band CA_42C Channel Bandwidth: 20MHz +20MHz	3560MHz ~ 3590MHz
	LTE Band 43 Channel Bandwidth: 5MHz	3602.5MHz ~ 3697.5MHz
	LTE Band 43 Channel Bandwidth: 10MHz	3605MHz ~ 3695MHz
	LTE Band 43 Channel Bandwidth: 15MHz	3607.5MHz ~ 3692.5MHz



FREQUENCY RANGE	LTE Band 43 Channel Bandwidth: 20MHz	3610MHz ~ 3690MHz
	LTE Band 48 Channel Bandwidth: 5MHz	3552.5MHz ~ 3697.5MHz
	LTE Band 48 Channel Bandwidth: 10MHz	3555MHz ~ 3695MHz
	LTE Band 48 Channel Bandwidth: 15MHz	3557.5MHz ~ 3692.5MHz
	LTE Band 48 Channel Bandwidth: 20MHz	3560MHz ~ 3690MHz
	LTE Band CA_48C Channel Bandwidth: 5MHz+20MHz	3553.3MHz ~ 3690MHz
	LTE Band CA_48C Channel Bandwidth: 20MHz +5MHz	3560MHz ~ 3696.7MHz
	LTE Band CA_48C Channel Bandwidth: 10MHz +20MHz	3555.5MHz ~ 3690MHz
	LTE Band CA_48C Channel Bandwidth: 20MHz +10MHz	3560MHz ~ 3694.5MHz
	LTE Band CA_48C Channel Bandwidth: 15MHz +20MHz	3557.8MHz ~ 3690MHz
	LTE Band CA_48C Channel Bandwidth: 20MHz +15MHz	3560MHz ~ 3692.2MHz
	LTE Band CA_48C Channel Bandwidth: 20MHz +20MHz	3560MHz ~ 3690MHz
EMISSION DESIGNATOR	LTE Band 48 Channel Bandwidth: 5MHz	QPSK: 4M52G7D 16QAM: 4M51W7D
	LTE Band 48 Channel Bandwidth: 10MHz	QPSK: 9M00G7D 16QAM: 9M00W7D
	LTE Band 48 Channel Bandwidth: 15MHz	QPSK: 13M5G7D 16QAM: 13M5W7D
	LTE Band 48 Channel Bandwidth: 20MHz	QPSK: 18M0G7D 16QAM: 18M0W7D
	LTE Band CA_48C Channel Bandwidth: 5MHz+20MHz	QPSK: 23M0G7D 16QAM: 23M0W7D
	LTE Band CA_48C Channel Bandwidth: 20MHz +5MHz	QPSK: 23M0G7D 16QAM: 22M9W7D
	LTE Band CA_48C Channel Bandwidth: 10MHz +20MHz	QPSK: 27M9G7D 16QAM: 27M8W7D



	LTE Band CA_48C Channel Bandwidth: 20MHz +10MHz	QPSK: 27M9G7D 16QAM: 27M9W7D
	LTE Band CA_48C Channel Bandwidth: 15MHz +20MHz	QPSK: 32M8G7D 16QAM: 32M7W7D
	LTE Band CA_48C Channel Bandwidth: 20MHz +15MHz	QPSK: 32M7G7D 16QAM: 32M7W7D
	LTE Band CA_48C Channel Bandwidth: 20MHz +20MHz	QPSK: 37M7G7D 16QAM: 37M7W7D
MAX. EIRP POWER	LTE Band 42 Channel Bandwidth: 5MHz	167.11mW
	LTE Band 42 Channel Bandwidth: 10MHz	168.66mW
	LTE Band 42 Channel Bandwidth: 15MHz	167.49mW
	LTE Band 42 Channel Bandwidth: 20MHz	172.19mW
	LTE Band CA_42C Channel Bandwidth: 20MHz+20MHz	57.68mW
	LTE Band CA_42C Channel Bandwidth: 20MHz +15MHz	57.02mW
	LTE Band CA_42C Channel Bandwidth: 15MHz +20MHz	57.41mW
	LTE Band CA_42C Channel Bandwidth: 20MHz +10MHz	56.36mW
	LTE Band CA_42C Channel Bandwidth: 10MHz +20MHz	57.54mW
	LTE Band CA_42C Channel Bandwidth: 20MHz +5MHz	57.02mW
	LTE Band CA_42C Channel Bandwidth: 5MHz +20MHz	56.62mW
	LTE Band 43 Channel Bandwidth: 5MHz	161.06mW
	LTE Band 43 Channel Bandwidth: 10MHz	162.18mW
	LTE Band 43 Channel Bandwidth: 15MHz	159.22mW
	LTE Band 43 Channel Bandwidth: 20MHz	164.06mW



	LTE Band 48 Channel Bandwidth: 5MHz	158.85mW
	LTE Band 48 Channel Bandwidth: 10MHz	159.59mW
	LTE Band 48 Channel Bandwidth: 15MHz	159.96mW
	LTE Band 48 Channel Bandwidth: 20MHz	162.93mW
	LTE Band CA_48C Channel Bandwidth: 5MHz+20MHz	53.83mW
	LTE Band CA_48C Channel Bandwidth: 20MHz +5MHz	54.08mW
	LTE Band CA_48C Channel Bandwidth: 10MHz +20MHz	54.08mW
	LTE Band CA_48C Channel Bandwidth: 20MHz +10MHz	53.95mW
	LTE Band CA_48C Channel Bandwidth: 15MHz +20MHz	53.70mW
	LTE Band CA_48C Channel Bandwidth: 20MHz +15MHz	54.20mW
	LTE Band CA_48C Channel Bandwidth: 20MHz +20MHz	54.45mW
ANTENNA GAIN	ANT7 PIFA Antenna with -0.75dBi gain for LTE B42/B42C PIFA Antenna with -1dBi gain for LTE B43/B48/B48C	
HW Version	V05	
SW Version	IS440_00.00_1_20240613	
I/O PORTS	Refer to user's manual	
DATA CABLE	USB cable: with shielded cable, w/o ferrite core, 1.0 meter	
EXTREME TEMPERATURE	-10 ~55°C	
EXTREME VOLTAGE	3.6V - 4.2V	



NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter.

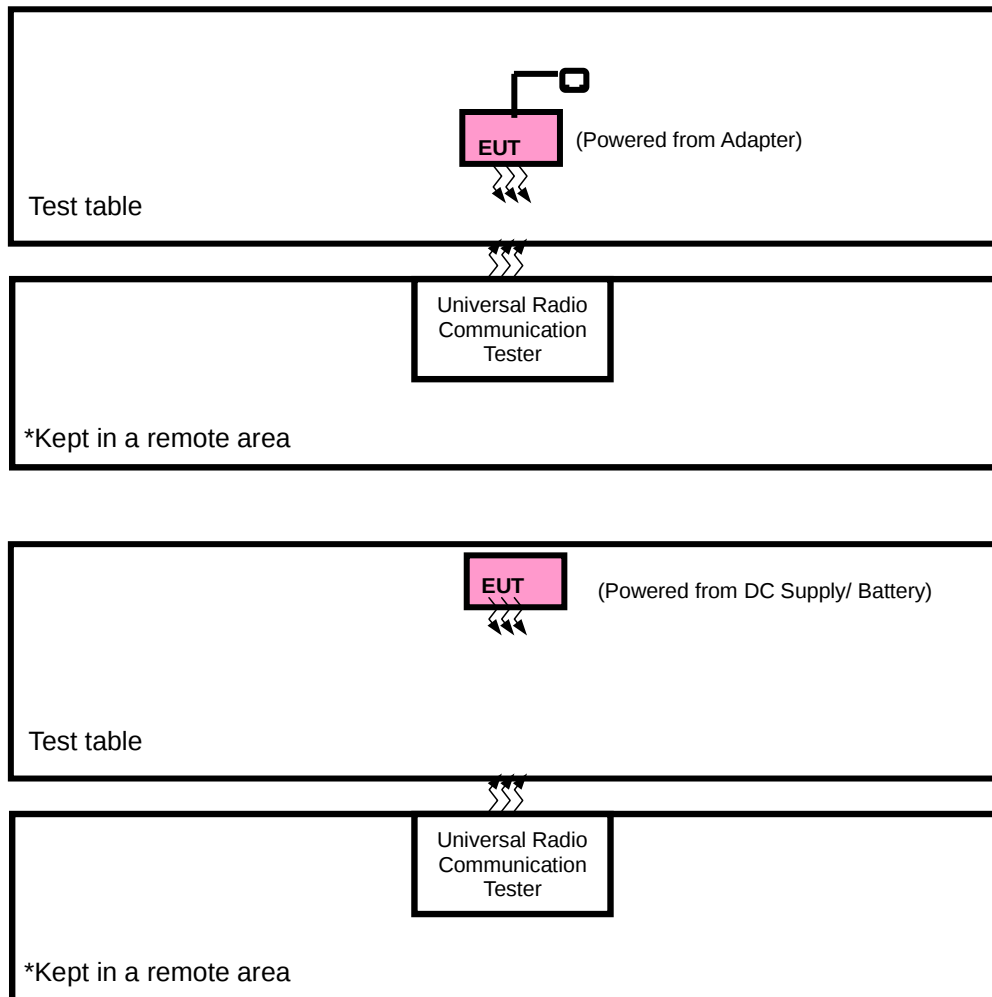
MODULATION MODE	TX FUNCTION
LTE	1TX

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.

5. List of Accessory:

ACCESSORIES	BRAND	MANUFACTURER	MODEL	SPECIFICATION
AC Adapter	N/A	SHENZHEN SHI YINGYUAN POWER SUPPLY TECHNOLOGY CO., LTD.	ICP12-050-2000B	I/P: 100-240Vac, 0.5A, O/P: 5Vdc, 2A
Battery 1	N/A	FPR Connectivity Technology Inc.	BPIS440A.1A	Capacity: 3.7Vdc, 2400mAh
Battery 2	N/A	FPR Connectivity Technology Inc.	IS440.1H	Capacity: 3.7Vdc, 4800mAh
USB Cable	N/A	Winpower Technology Co., LTD	PROTECTOR 2.0	Signal Line,1.0meter

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	DESCRIPTION
A	EUT + Adapter with LTE link
B	EUT + DC Supply with LTE link

LTE band 42

EUT CONFIGUR E MODE	TEST ITEM	AVAILABL E CHANNEL	TESTED CHANNEL	CHANNEL BANDWID TH	MODULATION	MODE
A	EIRP	43115 to 43565	43115 (3552.5MHz), 43340 (3575.0MHz), 43565 (3597.5MHz)	5MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		43140 to 43540	43140 (3555.0MHz), 43340 (3575.0MHz), 43540 (3595.0MHz)	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		43165 to 43515	43165 (3557.50MHz), 43340 (3575.0MHz), 43515 (3592.5MHz)	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		43190 to 43490	43190 (3560.0MHz), 43340 (3575.0MHz), 43490 (3590.0MHz)	20MHz	QPSK, 16QAM, 64QAM, 256QAM	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 42 are covered by LTE Band 48, Because it is a subset of LTE Band 48 with the same output power and supported bandwidths, So the conducted test data and RSE test data please refer to LTE Band 48

LTE band 43

EUT CONFIGUR E MODE	TEST ITEM	AVAILABL E CHANNEL	TESTED CHANNEL	CHANNEL BANDWID TH	MODULATION	MODE
A	EIRP	43615 to 44565	43615 (3602.5MHz), 44090 (3650.0MHz), 44565 (3697.5MHz)	5MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		43640 to 44540	43640 (3605.0MHz), 44090 (3650.0MHz), 44540 (3695.0MHz)	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		43665 to 44515	43665 (3607.5MHz), 44090 (3650.0MHz), 44515 (3692.5MHz)	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		43690 to 44490	43690 (3610.0MHz), 44090 (3650.0MHz), 44490 (3690.0MHz)	20MHz	QPSK, 16QAM, 64QAM, 256QAM	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 43 are covered by LTE Band 48, Because it is a subset of LTE Band 48 with the same output power and supported bandwidths, So the conducted test data and RSE test data please refer to LTE Band 48.



LTE BAND 48 MODE

EUT CONFIGUR E MODE	TEST ITEM	AVAILABL E CHANNEL	TESTED CHANNEL	CHANNEL BANDWID TH	MODULATION	MODE
A	EIRP	55265 to 56715	55265, 55990, 56715	5MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		55290 to 56690	55290, 55990, 56690	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0RB Offset
		55315 to 56665	55315, 55990, 56665	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		55340 to 56640	55340, 55990, 56640	20MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	55290 to 56690	55290, 55990, 56690	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	55265 to 56715	55265, 55990, 56715	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		55290 to 56690	55290, 55990, 56690	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
		55315 to 56665	55315, 55990, 56665	15MHz	QPSK, 16QAM	75 RB / 0 RB Offset
		55340 to 56640	55340, 55990, 56640	20MHz	QPSK, 16QAM	100 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	55340 to 56640	55340, 55990, 56640	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	BAND EDGE	55265 to 56715	55265	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset 25 RB / 0 RB Offset
			56715	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset 25 RB / 0 RB Offset
		55290 to 56690	55290	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset 50 RB / 0 RB Offset
			56690	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset 50 RB / 0 RB Offset
		55315 to 56665	55315	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset 75 RB / 0 RB Offset
			56665	15MHz	QPSK, 16QAM	1 RB / 74 RB Offset 75 RB / 0 RB Offset
		55340 to 56640	55340	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
			56640	20MHz	QPSK, 16QAM	1 RB / 99 RB Offset 100 RB / 0 RB Offset
A	CONDUCTED EMISSION	55265 to 56715	55265, 55990, 56715	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		55290 to 56690	55290, 55990, 56690	10MHz	QPSK, 16QAM	1 RB / 0RB Offset



		55315 to 56665	55315, 55990, 56665	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		55340 to 56640	55340, 55990, 56640	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	55265 to 56715	55990	5MHz	QPSK	1 RB / 0 RB Offset
		55290 to 56690	55290, 55990, 56690	10MHz	QPSK	1 RB / 0 RB Offset
		55315 to 56665	55990	15MHz	QPSK	1 RB / 0 RB Offset
		55340 to 56640	55990	20MHz	QPSK	1 RB / 0 RB Offset
A	ACLR	55265 to 56715	55265	5MHz	QPSK	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
		55265 to 56715	56715	5MHz	QPSK	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		55290 to 56690	55290	10MHz	QPSK	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
		55290 to 56690	56690	10MHz	QPSK	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
		55315 to 56665	55315	15MHz	QPSK	1 RB / 0 RB Offset
						75 RB / 0 RB Offset
		55315 to 56665	56665	15MHz	QPSK	1 RB / 74 RB Offset
						75 RB / 0 RB Offset
		55340 to 56640	55340	20MHz	QPSK	1 RB / 0 RB Offset
						100 RB / 0 RB Offset
		55340 to 56640	56640	20MHz	QPSK	1 RB / 99 RB Offset
						100 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_42C MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	AVAILABLE SCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(PCC)	MODE(SCC)
A	EIRP	43123 to 43373	43240 to 43490	Low, Middle, High	5MHz+20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		43690 to 43440	43807 to 43557	Low, Middle, High	20MHz+5MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		43145 to 43346	43289 to 43490	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		43391 to 43190	43535 to 43334	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		43168 to 43319	43339 to 43490	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		43190 to 43341	43361 to 43512	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB / 24RB Offset	1RB / 0RB Offset
		43190 to 43292	43388 to 43490	Low, Middle, High	20MHz +20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB 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 42C are covered by LTE Band 48C, Because it is a subset of LTE Band 48C with the same output power and supported bandwidths, So the conducted test data and RSE test data please refer to LTE Band 48C



LTE BAND CA_48C MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	AVAILABLE SCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(PCC)	MODE(SCC)
A	EIRP	55340 to 56491	55511 to 56662	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		55318 to 56496	55489 to 56640	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		55340 to 56541	55484 to 56685	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		55295 to 56496	55439 to 56640	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		55340 to 56590	55457 to 56707	Low, Middle, High	20MHz +5MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		55273 to 56523	55390 to 56640	Low, Middle, High	5MHz +20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB / 24RB Offset	1RB / 0RB Offset
		55340 to 56442	55538 to 56640	Low, Middle, High	20MHz +20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
A	OCCUPIED BANDWIDTH	55340 to 56491	55511 to 56662	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM	100RB/ 0RB Offset	75RB/ 0RB Offset
		55318 to 56496	55489 to 56640	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM	75RB/ 0RB Offset	100RB/ 0RB Offset
		55340 to 56541	55484 to 56685	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM	100RB/ 0RB Offset	50RB/ 0RB Offset
		55295 to 56496	55439 to 56640	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM	50RB/ 0RB Offset	100RB/ 0RB Offset
		55340 to 56590	55457 to 56707	Low, Middle, High	20MHz +5MHz	QPSK, 16QAM	100RB/ 0RB Offset	50RB/ 0RB Offset
		55273 to 56523	55390 to 56640	Low, Middle, High	5MHz +20MHz	QPSK, 16QAM	50RB/ 0RB Offset	100RB/ 0RB Offset
		55340 to 56442	55538 to 56640	Low, Middle, High	20MHz +20MHz	QPSK, 16QAM	100RB/ 0RB Offset	100RB/ 0RB Offset
A	BAND EDGE	55340 to 56442	55538 to 56640	Low	20MHz+20MHz	QPSK, 16QAM	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
				High	20MHz+20MHz		1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
A	CONDUCTED EMISSION	55340 to 56442	55538 to 56640	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM	1RB / 99RB Offset	1RB/ 0RB Offset
A	RADIATED EMISSION	55340 to 56442	55538 to 56640	Middle,	20MHz+20MHz	QPSK,	1RB / 99RB Offset 1RB / 0RB Offset	1RB/ 0RB Offset
A	ACLR	55340 to 56442	55538 to 56640	Low	20MHz+20MHz	QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset



							100RB/ 0RB Offset	100RB/ 0RB Offset
							1RB/ 0RB Offset	1RB/ 99RB Offset
				High	20MHz+20MHz		1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB 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 5V By Adapter	Jace Hu
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.6V/3.7V/4.2V By DC Supply	James Fu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC5V By Adapter	James Fu
BAND EDGE	23deg. C, 70%RH	DC 5V By Adapter	James Fu
CONDUCTED EMISSION	23deg. C, 70%RH	DC5V By Adapter	James Fu
RADIATED EMISSION	23deg. C, 70%RH	DC5V By Adapter	Jace Hu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC 5V 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 96

KDB 971168 D02 Power Meas License Digital Systems v02r02

ANSI/TIA/EIA-603-E 2016

ANSI 63.26-2015

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

3 TEST TYPES AND RESULTS

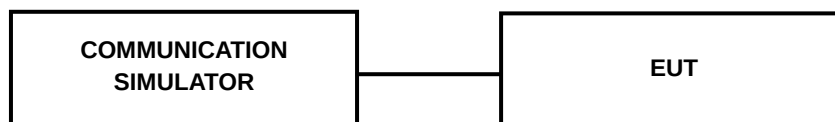
3.1 MAXIMUM EIRP MEASUREMENT

3.1.1 LIMITS OF MAXIMUM EIRP MEASUREMENT

Device	Maximum EIRP (dBm/10 MHz)
End User Device	23
Category A CBSD	30
Category B CBSD	47

3.1.2 TEST SETUP

CONDUCTED POWER MEASUREMENT:



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

3.1.3 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 determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_{\text{T}} - L_{\text{C}}$$

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:

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

3.1.4 DEVIATION FROM TEST STANDARD

No deviation.

3.1.5 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

LTE band 42:

LTE Band 42 FCC Part96 (Ant7)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		43190	43340	43490
		Frequency (MHz)		3560	3575	3590
20M	QPSK	1	0	22.81	22.99	22.95
		1	50	23.00	23.01	23.11
		1	99	22.84	22.90	22.99
		50	0	21.88	21.97	21.91
		50	25	21.97	21.97	22.09
		50	50	22.04	22.12	22.22
		100	0	21.83	21.89	21.97
	16QAM	1	0	21.63	21.68	21.75
		1	50	21.83	21.93	21.98
		1	99	22.01	22.13	22.13
		50	0	20.80	20.89	21.04
		50	25	20.89	20.92	21.00
		50	50	21.09	21.03	21.08
		100	0	21.00	20.98	21.11
	64QAM	1	0	20.68	20.64	20.73
		1	50	20.91	20.89	21.01
		1	99	21.10	21.12	21.17
		50	0	19.87	20.00	19.95
		50	25	19.84	19.93	20.01
		50	50	20.07	20.14	20.11
		100	0	20.02	20.08	20.10
	256QAM	1	0	17.88	17.98	17.93
		1	50	17.94	17.99	17.99
		1	99	18.09	18.08	18.14
		50	0	17.66	17.77	17.82
		50	25	17.95	18.01	18.01
		50	50	18.03	18.15	18.14
		100	0	18.00	18.10	18.03



BW	MCS Index	Channel		43165	43340	43515
		Frequency (MHz)		3557.5	3575	3592.5
15M	QPSK	1	0	22.78	22.90	22.88
		1	37	22.90	22.89	22.99
		1	74	22.80	22.83	22.91
		36	0	21.73	21.86	21.90
		36	19	21.93	21.86	21.96
		36	39	21.90	22.03	22.16
		75	0	21.81	21.82	21.93
	16QAM	1	0	21.48	21.63	21.74
		1	37	21.70	21.89	21.87
		1	74	21.94	22.04	22.03
		36	0	20.76	20.75	20.92
		36	19	20.78	20.85	20.87
		36	39	21.01	20.97	20.98
		75	0	20.97	20.91	20.98
	64QAM	1	0	20.63	20.57	20.71
		1	37	20.89	20.80	20.86
		1	74	21.07	21.11	21.02
		36	0	19.75	19.90	19.89
		36	19	19.73	19.89	19.90
		36	39	20.01	20.05	20.04
		75	0	19.99	20.00	20.02
	256QAM	1	0	17.82	17.97	17.84
		1	37	17.80	17.85	17.84
		1	74	18.04	18.01	18.04
		36	0	17.64	17.69	17.79
		36	19	17.88	17.92	17.98
		36	39	17.92	18.12	18.07
		75	0	17.94	18.02	17.95



BW	MCS Index	Channel		43140	43340	43540
		Frequency (MHz)		3555	3575	3595
10M	QPSK	1	0	22.77	22.90	22.89
		1	24	22.95	22.86	23.02
		1	49	22.73	22.85	22.84
		25	0	21.81	21.96	21.85
		25	12	21.90	21.94	22.04
		25	25	21.96	21.97	22.20
		50	0	21.69	21.83	21.93
	16QAM	1	0	21.49	21.65	21.61
		1	24	21.76	21.92	21.88
		1	49	21.86	22.03	22.10
		25	0	20.67	20.82	21.01
		25	12	20.80	20.89	20.91
		25	25	21.06	20.97	21.02
		50	0	20.98	20.93	21.10
	64QAM	1	0	20.66	20.62	20.63
		1	24	20.82	20.74	20.88
		1	49	21.06	21.06	21.11
		25	0	19.73	19.97	19.84
		25	12	19.81	19.87	19.96
		25	25	20.04	20.08	20.00
		50	0	19.97	20.02	20.08
	256QAM	1	0	17.85	17.84	17.83
		1	24	17.83	17.89	17.88
		1	49	18.01	18.01	17.99
		25	0	17.64	17.76	17.80
		25	12	17.93	17.96	17.92
		25	25	17.93	18.03	18.13
		50	0	17.96	18.05	17.93



BW	MCS Index	Channel		43115	43340	43565
		Frequency (MHz)		3552.5	3575	3597.5
5M	QPSK	1	0	22.75	22.95	22.91
		1	12	22.85	22.95	22.96
		1	24	22.73	22.75	22.98
		12	0	21.78	21.86	21.78
		12	6	21.86	21.90	22.05
		12	13	22.01	22.10	22.12
		25	0	21.69	21.84	21.95
	16QAM	1	0	21.59	21.54	21.69
		1	12	21.71	21.82	21.88
		1	24	21.98	22.12	22.06
		12	0	20.66	20.80	20.90
		12	6	20.80	20.81	20.88
		12	13	21.01	20.93	21.07
		25	0	20.99	20.97	20.99
	64QAM	1	0	20.56	20.58	20.62
		1	12	20.79	20.84	20.97
		1	24	20.95	21.09	21.14
		12	0	19.80	19.85	19.94
		12	6	19.75	19.90	19.99
		12	13	19.95	20.03	19.98
		25	0	20.00	20.04	19.98
	256QAM	1	0	17.75	17.95	17.78
		1	12	17.90	17.95	17.89
		1	24	17.94	17.94	18.01
		12	0	17.63	17.73	17.69
		12	6	17.81	17.92	17.88
		12	13	18.02	18.00	18.08
		25	0	17.92	18.09	17.98

LTE band 43:

LTE Band 43 for FCC (Ant7)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		43690	44090	44490
		Frequency (MHz)		3610	3650	3690
20M	QPSK	1	0	23.14	23.12	22.98
		1	50	22.93	22.92	22.90
		1	99	23.15	23.03	23.06
		50	0	22.02	21.94	21.92
		50	25	22.01	21.98	21.94
		50	50	22.10	22.07	21.98
		100	0	22.08	21.94	21.96
	16QAM	1	0	22.21	22.18	22.21
		1	50	22.21	22.28	22.27
		1	99	22.37	22.24	22.34
		50	0	21.03	21.00	20.85
		50	25	20.93	20.91	21.00
		50	50	21.03	20.94	20.92
		100	0	21.12	21.07	20.93
	64QAM	1	0	21.15	21.23	21.18
		1	50	21.30	21.28	21.26
		1	99	21.39	21.37	21.32
		50	0	19.93	20.02	19.90
		50	25	19.96	20.04	19.99
		50	50	20.03	19.94	19.95
		100	0	20.01	19.98	19.98
	256QAM	1	0	18.21	18.25	18.24
		1	50	18.21	18.20	18.18
		1	99	18.33	18.30	18.21
		50	0	18.04	17.96	17.90
		50	25	17.94	17.99	17.99
		50	50	18.00	18.00	17.96
		100	0	18.04	18.04	17.95



BW	MCS Index	Channel		43665	44090	44515
		Frequency (MHz)		3607.5	3650	3692.5
15M	QPSK	1	0	23.02	23.01	22.86
		1	37	22.82	22.86	22.89
		1	74	23.01	22.88	23.02
		36	0	21.95	21.79	21.78
		36	19	22.00	21.94	21.87
		36	39	22.09	21.94	21.93
		75	0	21.97	21.92	21.84
	16QAM	1	0	22.19	22.17	22.07
		1	37	22.16	22.19	22.26
		1	74	22.25	22.12	22.32
		36	0	20.96	20.96	20.84
		36	19	20.81	20.89	20.87
		36	39	20.91	20.82	20.77
		75	0	21.05	20.96	20.85
	64QAM	1	0	21.09	21.15	21.05
		1	37	21.23	21.27	21.25
		1	74	21.34	21.32	21.20
		36	0	19.83	19.98	19.76
		36	19	19.88	19.93	19.96
		36	39	19.88	19.82	19.87
		75	0	19.96	19.84	19.90
	256QAM	1	0	18.10	18.19	18.21
		1	37	18.17	18.06	18.17
		1	74	18.27	18.17	18.09
		36	0	18.02	17.89	17.79
		36	19	17.92	17.96	17.94
		36	39	17.86	17.99	17.89
		75	0	17.97	17.94	17.87



BW	MCS Index	Channel		43640	44090	44540
		Frequency (MHz)		3605	3650	3695
10M	QPSK	1	0	23.10	23.03	22.92
		1	24	22.88	22.86	22.79
		1	49	23.04	22.97	22.93
		25	0	21.95	21.91	21.80
		25	12	21.87	21.97	21.86
		25	25	21.96	22.00	21.87
		50	0	21.98	21.92	21.91
	16QAM	1	0	22.11	22.06	22.20
		1	24	22.18	22.22	22.13
		1	49	22.36	22.22	22.22
		25	0	20.89	20.96	20.72
		25	12	20.82	20.87	20.94
		25	25	20.90	20.89	20.84
		50	0	21.00	20.98	20.91
	64QAM	1	0	21.10	21.08	21.07
		1	24	21.18	21.25	21.13
		1	49	21.29	21.34	21.28
		25	0	19.80	19.88	19.85
		25	12	19.89	19.93	19.92
		25	25	19.88	19.86	19.88
		50	0	19.89	19.89	19.87
	256QAM	1	0	18.10	18.12	18.18
		1	24	18.08	18.16	18.17
		1	49	18.30	18.27	18.13
		25	0	17.96	17.92	17.76
		25	12	17.81	17.97	17.91
		25	25	17.91	17.97	17.92
		50	0	18.03	17.96	17.90



BW	MCS Index	Channel		43615	44090	44565
		Frequency (MHz)		3602.5	3650	3697.5
5M	QPSK	1	0	23.06	23.07	22.92
		1	12	22.88	22.88	22.78
		1	24	23.02	22.96	23.05
		12	0	21.88	21.86	21.91
		12	6	21.87	21.89	21.82
		12	13	21.99	22.06	21.96
		25	0	21.97	21.81	21.88
	16QAM	1	0	22.12	22.11	22.12
		1	12	22.18	22.17	22.16
		1	24	22.34	22.21	22.28
		12	0	20.98	20.90	20.73
		12	6	20.86	20.86	20.86
		12	13	20.93	20.79	20.77
		25	0	21.10	20.96	20.92
	64QAM	1	0	21.08	21.13	21.06
		1	12	21.15	21.27	21.12
		1	24	21.36	21.27	21.17
		12	0	19.86	19.98	19.77
		12	6	19.85	20.02	19.94
		12	13	19.89	19.90	19.85
		25	0	19.94	19.91	19.86
	256QAM	1	0	18.09	18.18	18.18
		1	12	18.10	18.16	18.12
		1	24	18.23	18.18	18.15
		12	0	17.98	17.94	17.76
		12	6	17.90	17.88	17.98
		12	13	17.87	17.91	17.94
		25	0	17.95	17.97	17.90



LTE band 48:

LTE Band 48 (Ant7)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		55340	55990	56640
		Frequency (MHz)		3560	3625	3690
20M	QPSK	1	0	22.58	23.00	22.94
		1	50	22.73	23.06	22.98
		1	99	22.74	23.12	23.03
		50	0	21.76	22.22	22.16
		50	25	21.79	22.24	22.19
		50	50	21.88	22.34	22.21
		100	0	21.81	22.16	22.07
	16QAM	1	0	22.02	22.48	22.32
		1	50	22.02	22.34	22.32
		1	99	22.13	22.59	22.39
		50	0	20.77	21.10	21.07
		50	25	20.85	21.25	21.19
		50	50	20.82	21.14	21.16
		100	0	20.88	21.24	21.10
	64QAM	1	0	20.95	21.30	21.36
		1	50	21.10	21.44	21.40
		1	99	21.09	21.55	21.38
		50	0	19.82	20.16	20.20
		50	25	19.88	20.25	20.17
		50	50	19.85	20.21	20.22
		100	0	19.84	20.19	20.20
	256QAM	1	0	18.01	18.43	18.31
		1	50	18.05	18.47	18.42
		1	99	18.17	18.56	18.36
		50	0	17.83	18.28	18.10
		50	25	17.81	18.25	18.12
		50	50	17.84	18.20	18.29
		100	0	17.76	18.18	18.20



BW	MCS Index	Channel		55315	55990	56665
		Frequency (MHz)		3557.5	3625	3692.5
15M	QPSK	1	0	22.53	22.88	22.90
		1	37	22.71	23.02	22.89
		1	74	22.63	23.04	23.00
		36	0	21.73	22.11	22.03
		36	19	21.66	22.19	22.10
		36	39	21.77	22.19	22.09
		75	0	21.72	22.01	22.05
	16QAM	1	0	21.87	22.34	22.27
		1	37	21.88	22.29	22.28
		1	74	22.06	22.44	22.30
		36	0	20.70	21.06	20.93
		36	19	20.75	21.13	21.10
		36	39	20.70	21.11	21.06
		75	0	20.78	21.15	20.99
	64QAM	1	0	20.92	21.18	21.24
		1	37	21.00	21.38	21.33
		1	74	20.95	21.50	21.37
		36	0	19.71	20.09	20.05
		36	19	19.85	20.22	20.06
		36	39	19.83	20.11	20.11
		75	0	19.70	20.16	20.11
	256QAM	1	0	17.94	18.33	18.23
		1	37	17.95	18.44	18.36
		1	74	18.06	18.43	18.31
		36	0	17.69	18.22	18.02
		36	19	17.73	18.22	17.98
		36	39	17.80	18.18	18.15
		75	0	17.61	18.16	18.07



BW	MCS Index	Channel		55290	55990	56690
		Frequency (MHz)		3555	3625	3695
10M	QPSK	1	0	22.48	22.94	22.83
		1	24	22.59	23.03	22.96
		1	49	22.71	23.01	23.01
		25	0	21.67	22.12	22.15
		25	12	21.64	22.17	22.08
		25	25	21.86	22.20	22.14
		50	0	21.72	22.04	22.01
	16QAM	1	0	21.90	22.47	22.25
		1	24	21.91	22.28	22.23
		1	49	22.07	22.48	22.33
		25	0	20.74	21.02	20.96
		25	12	20.71	21.18	21.05
		25	25	20.80	21.06	21.04
		50	0	20.85	21.11	21.06
	64QAM	1	0	20.87	21.17	21.31
		1	24	21.05	21.30	21.37
		1	49	21.05	21.50	21.31
		25	0	19.75	20.14	20.10
		25	12	19.84	20.16	20.08
		25	25	19.83	20.18	20.11
		50	0	19.79	20.16	20.18
	256QAM	1	0	17.90	18.41	18.28
		1	24	18.02	18.46	18.27
		1	49	18.13	18.49	18.31
		25	0	17.68	18.25	18.04
		25	12	17.73	18.10	17.99
		25	25	17.71	18.05	18.16
		50	0	17.65	18.10	18.16



BW	MCS Index	Channel		55265	55990	56715
		Frequency (MHz)		3552.5	3625	3697.5
5M	QPSK	1	0	22.56	22.88	22.80
		1	12	22.71	22.97	22.86
		1	24	22.66	23.00	23.01
		12	0	21.73	22.10	22.09
		12	6	21.65	22.12	22.04
		12	13	21.76	22.28	22.15
		25	0	21.78	22.06	22.03
	16QAM	1	0	22.00	22.33	22.26
		1	12	21.89	22.19	22.29
		1	24	22.06	22.51	22.33
		12	0	20.73	21.08	20.97
		12	6	20.80	21.13	21.07
		12	13	20.81	21.02	21.04
		25	0	20.82	21.17	20.99
	64QAM	1	0	20.89	21.20	21.26
		1	12	20.98	21.29	21.27
		1	24	20.95	21.45	21.35
		12	0	19.77	20.15	20.10
		12	6	19.82	20.13	20.03
		12	13	19.73	20.14	20.14
		25	0	19.83	20.08	20.13
	256QAM	1	0	17.97	18.37	18.17
		1	12	17.98	18.32	18.36
		1	24	18.13	18.52	18.21
		12	0	17.69	18.25	18.03
		12	6	17.68	18.19	17.97
		12	13	17.72	18.19	18.15
		25	0	17.73	18.10	18.17



LTE Band CA_42C

CA_42C Part96									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43190	3560	43388	3579.8	QPSK	1	99	1	0	18.36
				16QAM	1	99	1	0	18.31
				64QAM	1	99	1	0	18.20
				256QAM	1	99	1	0	17.97
43241	3565.1	43439	3584.9	QPSK	1	99	1	0	18.26
				16QAM	1	99	1	0	18.24
				64QAM	1	99	1	0	18.06
				256QAM	1	99	1	0	17.69
43292	3570.2	43490	3590	QPSK	1	99	1	0	18.02
				16QAM	1	99	1	0	18.01
				64QAM	1	99	1	0	17.89
				256QAM	1	99	1	0	17.54
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43190	3560	43361	3577.1	QPSK	1	99	1	0	18.31
				16QAM	1	99	1	0	18.21
				64QAM	1	99	1	0	18.11
				256QAM	1	99	1	0	17.92
43266	3567.6	43437	3584.7	QPSK	1	99	1	0	18.16
				16QAM	1	99	1	0	18.18
				64QAM	1	99	1	0	18.01
				256QAM	1	99	1	0	17.66
43341	3575.1	43512	3592.2	QPSK	1	99	1	0	17.94
				16QAM	1	99	1	0	17.93
				64QAM	1	99	1	0	17.82
				256QAM	1	99	1	0	17.49

Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43168	3557.8	43339	3574.9	QPSK	1	74	1	0	18.34
				16QAM	1	74	1	0	18.31
				64QAM	1	74	1	0	18.12
				256QAM	1	74	1	0	17.91
43243	3565.3	43414	3582.4	QPSK	1	74	1	0	18.24
				16QAM	1	74	1	0	18.15
				64QAM	1	74	1	0	18.03
				256QAM	1	74	1	0	17.68
43319	3572.9	43490	3590	QPSK	1	74	1	0	17.93
				16QAM	1	74	1	0	17.94
				64QAM	1	74	1	0	17.82
				256QAM	1	74	1	0	17.49
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43391	3580.1	43535	3594.5	QPSK	1	99	1	0	18.26
				16QAM	1	99	1	0	18.22
				64QAM	1	99	1	0	18.14
				256QAM	1	99	1	0	17.93
43291	3570.1	43435	3584.5	QPSK	1	99	1	0	18.20
				16QAM	1	99	1	0	18.16
				64QAM	1	99	1	0	18.01
				256QAM	1	99	1	0	17.67
43190	3560	43334	3574.4	QPSK	1	99	1	0	18.01
				16QAM	1	99	1	0	17.98
				64QAM	1	99	1	0	17.88
				256QAM	1	99	1	0	17.52

Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43145	3555.5	43289	3569.9	QPSK	1	49	1	0	18.35
				16QAM	1	49	1	0	18.27
				64QAM	1	49	1	0	18.17
				256QAM	1	49	1	0	17.89
43246	3565.6	43390	3580	QPSK	1	49	1	0	18.24
				16QAM	1	49	1	0	18.14
				64QAM	1	49	1	0	17.97
				256QAM	1	49	1	0	17.63
43346	3575.6	43490	3590	QPSK	1	49	1	0	17.96
				16QAM	1	49	1	0	17.97
				64QAM	1	49	1	0	17.83
				256QAM	1	49	1	0	17.46
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43190	3560	43307	3571.7	QPSK	1	99	1	0	18.28
				16QAM	1	99	1	0	18.31
				64QAM	1	99	1	0	18.15
				256QAM	1	99	1	0	17.91
43315	3572.5	43432	3584.2	QPSK	1	99	1	0	18.20
				16QAM	1	99	1	0	18.18
				64QAM	1	99	1	0	17.96
				256QAM	1	99	1	0	17.63
43440	3585	43557	3596.7	QPSK	1	99	1	0	17.95
				16QAM	1	99	1	0	17.97
				64QAM	1	99	1	0	17.80
				256QAM	1	99	1	0	17.45



Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43123	3553.3	43240	3565	QPSK	1	24	1	0	18.28
				16QAM	1	24	1	0	18.22
				64QAM	1	24	1	0	18.19
				256QAM	1	24	1	0	17.90
43248	3565.8	43365	3577.5	QPSK	1	24	1	0	18.25
				16QAM	1	24	1	0	18.22
				64QAM	1	24	1	0	18.01
				256QAM	1	24	1	0	17.62
43373	3578.3	43490	3590	QPSK	1	24	1	0	17.93
				16QAM	1	24	1	0	17.99
				64QAM	1	24	1	0	17.84
				256QAM	1	24	1	0	17.47

LTE Band CA_48C

CA_48C

Combination 20MHz+20MHz (100RB+100RB)

PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55340	3560	55538	3579.8	QPSK	1	99	1	0	18.36
				16QAM	1	99	1	0	18.33
				64QAM	1	99	1	0	18.26
				256QAM	1	99	1	0	18.03
55891	3615.1	56089	3634.9	QPSK	1	99	1	0	18.26
				16QAM	1	99	1	0	18.25
				64QAM	1	99	1	0	18.14
				256QAM	1	99	1	0	17.75
56442	3670.2	56640	3690	QPSK	1	99	1	0	18.06
				16QAM	1	99	1	0	18.01
				64QAM	1	99	1	0	17.99
				256QAM	1	99	1	0	17.63

Combination 20MHz+15MHz (100RB+75RB)

PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55340	3560	55511	3577.1	QPSK	1	99	1	0	18.34
				16QAM	1	99	1	0	18.29
				64QAM	1	99	1	0	18.22
				256QAM	1	99	1	0	17.94
55916	3617.6	56087	3634.7	QPSK	1	99	1	0	18.25
				16QAM	1	99	1	0	18.18
				64QAM	1	99	1	0	18.14
				256QAM	1	99	1	0	17.71
56491	3675.1	56662	3692.2	QPSK	1	99	1	0	18.04
				16QAM	1	99	1	0	17.91
				64QAM	1	99	1	0	17.95
				256QAM	1	99	1	0	17.59

Combination 15MHz+20MHz (75RB+100RB)

PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55318	3557.8	55489	3574.9	QPSK	1	74	1	0	18.27
				16QAM	1	74	1	0	18.30
				64QAM	1	74	1	0	18.20
				256QAM	1	74	1	0	17.96
55893	3615.3	56064	3632.4	QPSK	1	74	1	0	18.24
				16QAM	1	74	1	0	18.17
				64QAM	1	74	1	0	18.13
				256QAM	1	74	1	0	17.72
56469	3672.9	56640	3690	QPSK	1	74	1	0	18.01
				16QAM	1	74	1	0	17.96
				64QAM	1	74	1	0	17.99
				256QAM	1	74	1	0	17.62

Combination 20MHz+10MHz (100RB+50RB)

PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55340	3560	55484	3574.4	QPSK	1	99	1	0	18.32
				16QAM	1	99	1	0	18.32
				64QAM	1	99	1	0	18.24
				256QAM	1	99	1	0	18.00
55941	3620.1	56085	3634.5	QPSK	1	99	1	0	18.26
				16QAM	1	99	1	0	18.24
				64QAM	1	99	1	0	18.13
				256QAM	1	99	1	0	17.72
56541	3680.1	56685	3694.5	QPSK	1	99	1	0	17.98
				16QAM	1	99	1	0	17.92
				64QAM	1	99	1	0	17.92
				256QAM	1	99	1	0	17.55

Combination 10MHz+20MHz (50RB+100RB)

PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55295	3555.5	55439	3569.9	QPSK	1	49	1	0	18.33
				16QAM	1	49	1	0	18.23
				64QAM	1	49	1	0	18.26
				256QAM	1	49	1	0	17.97
55896	3615.6	56040	3630	QPSK	1	49	1	0	18.16
				16QAM	1	49	1	0	18.15
				64QAM	1	49	1	0	18.08
				256QAM	1	49	1	0	17.71
56496	3675.6	56640	3690	QPSK	1	49	1	0	17.99
				16QAM	1	49	1	0	17.96
				64QAM	1	49	1	0	17.90
				256QAM	1	49	1	0	17.58

Combination 20MHz+5MHz (100RB+25RB)

PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55340	3560	55457	3571.7	QPSK	1	99	1	0	18.33
				16QAM	1	99	1	0	18.25
				64QAM	1	99	1	0	18.18
				256QAM	1	99	1	0	17.93
55965	3622.5	56082	3634.2	QPSK	1	99	1	0	18.18
				16QAM	1	99	1	0	18.15
				64QAM	1	99	1	0	18.09
				256QAM	1	99	1	0	17.66
56590	3685	56707	3696.7	QPSK	1	99	1	0	18.06
				16QAM	1	99	1	0	17.99
				64QAM	1	99	1	0	17.91
				256QAM	1	99	1	0	17.58

**Combination 5MHz+20MHz (25RB+100RB)**

PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55273	3553.3	55390	3565	QPSK	1	24	1	0	18.31
				16QAM	1	24	1	0	18.23
				64QAM	1	24	1	0	18.21
				256QAM	1	24	1	0	18.01
55898	3615.8	56015	3627.5	QPSK	1	24	1	0	18.21
				16QAM	1	24	1	0	18.18
				64QAM	1	24	1	0	18.12
				256QAM	1	24	1	0	17.66
56523	3678.3	56640	3690	QPSK	1	24	1	0	18.00
				16QAM	1	24	1	0	17.99
				64QAM	1	24	1	0	17.92
				256QAM	1	24	1	0	17.57



EIRP

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LTE B42 5M QPSK Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43115	3552.5	22.85	-0.75	22.1	162.18	23
43340	3575	22.95	-0.75	22.2	165.96	23
43565	3597.5	22.98	-0.75	22.23	167.11	23

LTE B42 5M 16QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43115	3552.5	21.98	-0.75	21.23	132.74	23
43340	3575	22.12	-0.75	21.37	137.09	23
43565	3597.5	22.06	-0.75	21.31	135.21	23

LTE B42 5M 64QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43115	3552.5	20.95	-0.75	20.2	104.71	23
43340	3575	21.09	-0.75	20.34	108.14	23
43565	3597.5	21.14	-0.75	20.39	109.4	23

LTE B42 5M 256QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43115	3552.5	18.02	-0.75	17.27	53.33	23
43340	3575	18.09	-0.75	17.34	54.2	23
43565	3597.5	18.08	-0.75	17.33	54.08	23

LTE B42 10M QPSK Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43140	3555	22.95	-0.75	22.2	165.96	23
43340	3575	22.9	-0.75	22.15	164.06	23
43540	3595	23.02	-0.75	22.27	168.66	23



LTE B42 10M 16QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43140	3555	21.86	-0.75	21.11	129.12	23
43340	3575	22.03	-0.75	21.28	134.28	23
43540	3595	22.1	-0.75	21.35	136.46	23

LTE B42 10M 64QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43140	3555	21.06	-0.75	20.31	107.4	23
43340	3575	21.06	-0.75	20.31	107.4	23
43540	3595	21.11	-0.75	20.36	108.64	23

LTE B42 10M 256QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43140	3555	18.01	-0.75	17.26	53.21	23
43340	3575	18.05	-0.75	17.3	53.7	23
43540	3595	18.13	-0.75	17.38	54.7	23

LTE B42 15M QPSK Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43165	3557.5	22.9	-0.75	22.15	164.06	23
43340	3575	22.9	-0.75	22.15	164.06	23
43515	3592.5	22.99	-0.75	22.24	167.49	23

LTE B42 15M 16QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43165	3557.5	21.94	-0.75	21.19	131.52	23
43340	3575	22.04	-0.75	21.29	134.59	23
43515	3592.5	22.03	-0.75	21.28	134.28	23



LTE B42 15M 64QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43165	3557.5	21.07	-0.75	20.32	107.65	23
43340	3575	21.11	-0.75	20.36	108.64	23
43515	3592.5	21.02	-0.75	20.27	106.41	23

LTE B42 15M 256QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43165	3557.5	18.04	-0.75	17.29	53.58	23
43340	3575	18.12	-0.75	17.37	54.58	23
43515	3592.5	18.07	-0.75	17.32	53.95	23

LTE B42 20M QPSK Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43190	3560	23	-0.75	22.25	167.88	23
43340	3575	23.01	-0.75	22.26	168.27	23
43490	3590	23.11	-0.75	22.36	172.19	23

LTE B42 20M 16QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43190	3560	22.01	-0.75	21.26	133.66	23
43340	3575	22.13	-0.75	21.38	137.4	23
43490	3590	22.13	-0.75	21.38	137.4	23

LTE B42 20M 64QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43190	3560	21.1	-0.75	20.35	108.39	23
43340	3575	21.12	-0.75	20.37	108.89	23
43490	3590	21.17	-0.75	20.42	110.15	23



LTE B42 20M 256QAM Part96						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43190	3560	18.09	-0.75	17.34	54.2	23
43340	3575	18.15	-0.75	17.4	54.95	23
43490	3590	18.14	-0.75	17.39	54.83	23

LTE Band 43

LTE B43 5M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43615	3602.5	23.06	-1	22.06	160.69	23
44090	3650	23.07	-1	22.07	161.06	23
44565	3697.5	23.05	-1	22.05	160.32	23

LTE B43 5M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43615	3602.5	22.34	-1	21.34	136.14	23
44090	3650	22.21	-1	21.21	132.13	23
44565	3697.5	22.28	-1	21.28	134.28	23

LTE B43 5M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43615	3602.5	21.36	-1	20.36	108.64	23
44090	3650	21.27	-1	20.27	106.41	23
44565	3697.5	21.17	-1	20.17	103.99	23

LTE B43 5M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43615	3602.5	18.23	-1	17.23	52.84	23
44090	3650	18.18	-1	17.18	52.24	23
44565	3697.5	18.18	-1	17.18	52.24	23

LTE B43 10M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43640	3605	23.1	-1	22.1	162.18	23
44090	3650	23.03	-1	22.03	159.59	23
44540	3695	22.93	-1	21.93	155.96	23



LTE B43 10M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43640	3605	22.36	-1	21.36	136.77	23
44090	3650	22.22	-1	21.22	132.43	23
44540	3695	22.22	-1	21.22	132.43	23

LTE B43 10M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43640	3605	21.29	-1	20.29	106.91	23
44090	3650	21.34	-1	20.34	108.14	23
44540	3695	21.28	-1	20.28	106.66	23

LTE B43 10M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43640	3605	18.3	-1	17.3	53.7	23
44090	3650	18.27	-1	17.27	53.33	23
44540	3695	18.18	-1	17.18	52.24	23

LTE B43 15M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43665	3607.5	23.02	-1	22.02	159.22	23
44090	3650	23.01	-1	22.01	158.85	23
44515	3692.5	23.02	-1	22.02	159.22	23

LTE B43 15M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43665	3607.5	22.25	-1	21.25	133.35	23
44090	3650	22.19	-1	21.19	131.52	23
44515	3692.5	22.32	-1	21.32	135.52	23



LTE B43 15M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43665	3607.5	21.34	-1	20.34	108.14	23
44090	3650	21.32	-1	20.32	107.65	23
44515	3692.5	21.25	-1	20.25	105.93	23

LTE B43 15M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43665	3607.5	18.27	-1	17.27	53.33	23
44090	3650	18.19	-1	17.19	52.36	23
44515	3692.5	18.21	-1	17.21	52.6	23

LTE B43 20M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43690	3610	23.15	-1	22.15	164.06	23
44090	3650	23.12	-1	22.12	162.93	23
44490	3690	23.06	-1	22.06	160.69	23

LTE B43 20M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43690	3610	22.37	-1	21.37	137.09	23
44090	3650	22.28	-1	21.28	134.28	23
44490	3690	22.34	-1	21.34	136.14	23

LTE B43 20M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43690	3610	21.39	-1	20.39	109.4	23
44090	3650	21.37	-1	20.37	108.89	23
44490	3690	21.32	-1	20.32	107.65	23

LTE B43 20M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
43690	3610	18.33	-1	17.33	54.08	23
44090	3650	18.3	-1	17.3	53.7	23
44490	3690	18.24	-1	17.24	52.97	23



LTE Band 48

LTE B48 5M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55265	3552.5	22.71	-1	21.71	148.25	23
55990	3625	23	-1	22	158.49	23
56715	3697.5	23.01	-1	22.01	158.85	23

LTE B48 5M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55265	3552.5	22.06	-1	21.06	127.64	23
55990	3625	22.51	-1	21.51	141.58	23
56715	3697.5	22.33	-1	21.33	135.83	23

LTE B48 5M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55265	3552.5	20.98	-1	19.98	99.54	23
55990	3625	21.45	-1	20.45	110.92	23
56715	3697.5	21.35	-1	20.35	108.39	23

LTE B48 5M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55265	3552.5	18.13	-1	17.13	51.64	23
55990	3625	18.52	-1	17.52	56.49	23
56715	3697.5	18.36	-1	17.36	54.45	23

LTE B48 10M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55290	3555	22.71	-1	21.71	148.25	23
55990	3625	23.03	-1	22.03	159.59	23
56690	3695	23.01	-1	22.01	158.85	23



LTE B48 10M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55290	3555	22.07	-1	21.07	127.94	23
55990	3625	22.48	-1	21.48	140.6	23
56690	3695	22.33	-1	21.33	135.83	23

LTE B48 10M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55290	3555	21.05	-1	20.05	101.16	23
55990	3625	21.5	-1	20.5	112.2	23
56690	3695	21.37	-1	20.37	108.89	23

LTE B48 10M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55290	3555	18.13	-1	17.13	51.64	23
55990	3625	18.49	-1	17.49	56.1	23
56690	3695	18.31	-1	17.31	53.83	23

LTE B48 15M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55315	3557.5	22.71	-1	21.71	148.25	23
55990	3625	23.04	-1	22.04	159.96	23
56665	3692.5	23	-1	22	158.49	23

LTE B48 15M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55315	3557.5	22.06	-1	21.06	127.64	23
55990	3625	22.44	-1	21.44	139.32	23
56665	3692.5	22.3	-1	21.3	134.9	23

LTE B48 15M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55315	3557.5	21	-1	20	100	23
55990	3625	21.5	-1	20.5	112.2	23
56665	3692.5	21.37	-1	20.37	108.89	23

LTE B48 15M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55315	3557.5	18.06	-1	17.06	50.82	23
55990	3625	18.44	-1	17.44	55.46	23
56665	3692.5	18.36	-1	17.36	54.45	23

LTE B48 20M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55340	3560	22.74	-1	21.74	149.28	23
55990	3625	23.12	-1	22.12	162.93	23
56640	3690	23.03	-1	22.03	159.59	23

LTE B48 20M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55340	3560	22.13	-1	21.13	129.72	23
55990	3625	22.59	-1	21.59	144.21	23
56640	3690	22.39	-1	21.39	137.72	23

LTE B48 20M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55340	3560	21.1	-1	20.1	102.33	23
55990	3625	21.55	-1	20.55	113.5	23
56640	3690	21.4	-1	20.4	109.65	23



LTE B48 20M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm/10Mhz)
55340	3560	18.17	-1	17.17	52.12	23
55990	3625	18.56	-1	17.56	57.02	23
56640	3690	18.42	-1	17.42	55.21	23



LTE BAND CA_42C

CA_42C Part96									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Chann el	PCC Frequen cy (MHz)	SCC Chann el	SCC Frequen cy (MHz)	Modulati on	Measur ed Power (dBm)	Gain (dBi)	EIRP(dB m)	EIRP(m W)	Limit (dBm/10M hz)
43190	3560	43388	3579.8	QPSK	18.36	-0.75	17.61	57.68	23
				16QAM	18.31	-0.75	17.56	57.02	23
				64QAM	18.20	-0.75	17.45	55.59	23
				256QAM	17.97	-0.75	17.22	52.72	23
43241	3565.1	43439	3584.9	QPSK	18.26	-0.75	17.51	56.36	23
				16QAM	18.24	-0.75	17.49	56.10	23
				64QAM	18.06	-0.75	17.31	53.83	23
				256QAM	17.69	-0.75	16.94	49.43	23
43292	3570.2	43490	3590	QPSK	18.02	-0.75	17.27	53.33	23
				16QAM	18.01	-0.75	17.26	53.21	23
				64QAM	17.89	-0.75	17.14	51.76	23
				256QAM	17.54	-0.75	16.79	47.75	23
Combination 20MHz+15MHz (100RB+75RB)									
PCC Chann el	PCC Frequen cy (MHz)	SCC Chann el	SCC Frequen cy (MHz)	Modulati on	Measur ed Power (dBm)	Gain (dBi)	EIRP(dB m)	EIRP(m W)	Limit (dBm/10M hz)
43190	3560	43361	3577.1	QPSK	18.31	-0.75	17.56	57.02	23
				16QAM	18.21	-0.75	17.46	55.72	23
				64QAM	18.11	-0.75	17.36	54.45	23
				256QAM	17.92	-0.75	17.17	52.12	23
43266	3567.6	43437	3584.7	QPSK	18.16	-0.75	17.41	55.08	23
				16QAM	18.18	-0.75	17.43	55.34	23
				64QAM	18.01	-0.75	17.26	53.21	23
				256QAM	17.66	-0.75	16.91	49.09	23
43341	3575.1	43512	3592.2	QPSK	17.94	-0.75	17.19	52.36	23
				16QAM	17.93	-0.75	17.18	52.24	23
				64QAM	17.82	-0.75	17.07	50.93	23
				256QAM	17.49	-0.75	16.74	47.21	23

**Combination 15MHz+20MHz (75RB+100RB)**

PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (dBm/10MHz)
43168	3557.8	43339	3574.9	QPSK	18.34	-0.75	17.59	57.41	23
				16QAM	18.31	-0.75	17.56	57.02	23
				64QAM	18.12	-0.75	17.37	54.58	23
				256QAM	17.91	-0.75	17.16	52.00	23
43243	3565.3	43414	3582.4	QPSK	18.24	-0.75	17.49	56.10	23
				16QAM	18.15	-0.75	17.40	54.95	23
				64QAM	18.03	-0.75	17.28	53.46	23
				256QAM	17.68	-0.75	16.93	49.32	23
43319	3572.9	43490	3590	QPSK	17.93	-0.75	17.18	52.24	23
				16QAM	17.94	-0.75	17.19	52.36	23
				64QAM	17.82	-0.75	17.07	50.93	23
				256QAM	17.49	-0.75	16.74	47.21	23

Combination 20MHz+10MHz (100RB+50RB)

PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (dBm/10MHz)
43391	3580.1	43535	3594.5	QPSK	18.26	-0.75	17.51	56.36	23
				16QAM	18.22	-0.75	17.47	55.85	23
				64QAM	18.14	-0.75	17.39	54.83	23
				256QAM	17.93	-0.75	17.18	52.24	23
43291	3570.1	43435	3584.5	QPSK	18.20	-0.75	17.45	55.59	23
				16QAM	18.16	-0.75	17.41	55.08	23
				64QAM	18.01	-0.75	17.26	53.21	23
				256QAM	17.67	-0.75	16.92	49.20	23
43190	3560	43334	3574.4	QPSK	18.01	-0.75	17.26	53.21	23
				16QAM	17.98	-0.75	17.23	52.84	23
				64QAM	17.88	-0.75	17.13	51.64	23
				256QAM	17.52	-0.75	16.77	47.53	23

**Combination 10MHz+20MHz (50RB+100RB)**

PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (dBm/10MHz)
43145	3555.5	43289	3569.9	QPSK	18.35	-0.75	17.60	57.54	23
				16QAM	18.27	-0.75	17.52	56.49	23
				64QAM	18.17	-0.75	17.42	55.21	23
				256QAM	17.89	-0.75	17.14	51.76	23
43246	3565.6	43390	3580	QPSK	18.24	-0.75	17.49	56.10	23
				16QAM	18.14	-0.75	17.39	54.83	23
				64QAM	17.97	-0.75	17.22	52.72	23
				256QAM	17.63	-0.75	16.88	48.75	23
43346	3575.6	43490	3590	QPSK	17.96	-0.75	17.21	52.60	23
				16QAM	17.97	-0.75	17.22	52.72	23
				64QAM	17.83	-0.75	17.08	51.05	23
				256QAM	17.46	-0.75	16.71	46.88	23

Combination 20MHz+5MHz (100RB+25RB)

PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (dBm/10MHz)
43190	3560	43307	3571.7	QPSK	18.28	-0.75	17.53	56.62	23
				16QAM	18.31	-0.75	17.56	57.02	23
				64QAM	18.15	-0.75	17.40	54.95	23
				256QAM	17.91	-0.75	17.16	52.00	23
43315	3572.5	43432	3584.2	QPSK	18.20	-0.75	17.45	55.59	23
				16QAM	18.18	-0.75	17.43	55.34	23
				64QAM	17.96	-0.75	17.21	52.60	23
				256QAM	17.63	-0.75	16.88	48.75	23
43440	3585	43557	3596.7	QPSK	17.95	-0.75	17.20	52.48	23
				16QAM	17.97	-0.75	17.22	52.72	23
				64QAM	17.80	-0.75	17.05	50.70	23
				256QAM	17.45	-0.75	16.70	46.77	23



Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (dBm/10MHz)
43123	3553.3	43240	3565	QPSK	18.28	-0.75	17.53	56.62	23
				16QAM	18.22	-0.75	17.47	55.85	23
				64QAM	18.19	-0.75	17.44	55.46	23
				256QAM	17.90	-0.75	17.15	51.88	23
43248	3565.8	43365	3577.5	QPSK	18.25	-0.75	17.50	56.23	23
				16QAM	18.22	-0.75	17.47	55.85	23
				64QAM	18.01	-0.75	17.26	53.21	23
				256QAM	17.62	-0.75	16.87	48.64	23
43373	3578.3	43490	3590	QPSK	17.93	-0.75	17.18	52.24	23
				16QAM	17.99	-0.75	17.24	52.97	23
				64QAM	17.84	-0.75	17.09	51.17	23
				256QAM	17.47	-0.75	16.72	46.99	23



LTE BAND CA_48C

CA_48C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (dBm/10MHz)
55340	3560	55538	3579.8	QPSK	18.36	-1.00	17.36	54.45	23
				16QAM	18.33	-1.00	17.33	54.08	23
				64QAM	18.26	-1.00	17.26	53.21	23
				256QAM	18.03	-1.00	17.03	50.47	23
55891	3615.1	56089	3634.9	QPSK	18.26	-1.00	17.26	53.21	23
				16QAM	18.25	-1.00	17.25	53.09	23
				64QAM	18.14	-1.00	17.14	51.76	23
				256QAM	17.75	-1.00	16.75	47.32	23
56442	3670.2	56640	3690	QPSK	18.06	-1.00	17.06	50.82	23
				16QAM	18.01	-1.00	17.01	50.23	23
				64QAM	17.99	-1.00	16.99	50.00	23
				256QAM	17.63	-1.00	16.63	46.03	23



Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (dBm/10MHz)
55340	3560	55511	3577.1	QPSK	18.34	-1.00	17.34	54.20	23
				16QAM	18.29	-1.00	17.29	53.58	23
				64QAM	18.22	-1.00	17.22	52.72	23
				256QAM	17.94	-1.00	16.94	49.43	23
55916	3617.6	56087	3634.7	QPSK	18.25	-1.00	17.25	53.09	23
				16QAM	18.18	-1.00	17.18	52.24	23
				64QAM	18.14	-1.00	17.14	51.76	23
				256QAM	17.71	-1.00	16.71	46.88	23
56491	3675.1	56662	3692.2	QPSK	18.04	-1.00	17.04	50.58	23
				16QAM	17.91	-1.00	16.91	49.09	23
				64QAM	17.95	-1.00	16.95	49.55	23
				256QAM	17.59	-1.00	16.59	45.60	23



Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (dBm/10MHz)
55318	3557.8	55489	3574.9	QPSK	18.27	-1.00	17.27	53.33	23
				16QAM	18.30	-1.00	17.30	53.70	23
				64QAM	18.20	-1.00	17.20	52.48	23
				256QAM	17.96	-1.00	16.96	49.66	23
55893	3615.3	56064	3632.4	QPSK	18.24	-1.00	17.24	52.97	23
				16QAM	18.17	-1.00	17.17	52.12	23
				64QAM	18.13	-1.00	17.13	51.64	23
				256QAM	17.72	-1.00	16.72	46.99	23
56469	3672.9	56640	3690	QPSK	18.01	-1.00	17.01	50.23	23
				16QAM	17.96	-1.00	16.96	49.66	23
				64QAM	17.99	-1.00	16.99	50.00	23
				256QAM	17.62	-1.00	16.62	45.92	23



Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (dBm/10MHz)
55340	3560	55484	3574.4	QPSK	18.32	-1.00	17.32	53.95	23
				16QAM	18.32	-1.00	17.32	53.95	23
				64QAM	18.24	-1.00	17.24	52.97	23
				256QAM	18.00	-1.00	17.00	50.12	23
55941	3620.1	56085	3634.5	QPSK	18.26	-1.00	17.26	53.21	23
				16QAM	18.24	-1.00	17.24	52.97	23
				64QAM	18.13	-1.00	17.13	51.64	23
				256QAM	17.72	-1.00	16.72	46.99	23
56541	3680.1	56685	3694.5	QPSK	17.98	-1.00	16.98	49.89	23
				16QAM	17.92	-1.00	16.92	49.20	23
				64QAM	17.92	-1.00	16.92	49.20	23
				256QAM	17.55	-1.00	16.55	45.19	23



Combination 10MHz+20MHz (50RB+100RB)									
PCC Chann el	PCC Frequen cy (MHz)	SCC Chann el	SCC Frequen cy (MHz)	Modulati on	Measur ed Power (dBm)	Gai n (dBi)	EIRP(dB m)	EIRP(m W)	Limit (dBm/10M hz)
55295	3555.5	55439	3569.9	QPSK	18.33	-1.0 0	17.33	54.08	23
				16QAM	18.23	-1.0 0	17.23	52.84	23
				64QAM	18.26	-1.0 0	17.26	53.21	23
				256QAM	17.97	-1.0 0	16.97	49.77	23
55896	3615.6	56040	3630	QPSK	18.16	-1.0 0	17.16	52.00	23
				16QAM	18.15	-1.0 0	17.15	51.88	23
				64QAM	18.08	-1.0 0	17.08	51.05	23
				256QAM	17.71	-1.0 0	16.71	46.88	23
56496	3675.6	56640	3690	QPSK	17.99	-1.0 0	16.99	50.00	23
				16QAM	17.96	-1.0 0	16.96	49.66	23
				64QAM	17.90	-1.0 0	16.90	48.98	23
				256QAM	17.58	-1.0 0	16.58	45.50	23



Combination 20MHz+5MHz (100RB+25RB)									
PCC Chann el	PCC Frequen cy (MHz)	SCC Chann el	SCC Frequen cy (MHz)	Modulati on	Measur ed Power (dBm)	Gai n (dBi)	EIRP(dB m)	EIRP(m W)	Limit (dBm/10M hz)
55340	3560	55457	3571.7	QPSK	18.33	-1.0 0	17.33	54.08	23
				16QAM	18.25	-1.0 0	17.25	53.09	23
				64QAM	18.18	-1.0 0	17.18	52.24	23
				256QAM	17.93	-1.0 0	16.93	49.32	23
55965	3622.5	56082	3634.2	QPSK	18.18	-1.0 0	17.18	52.24	23
				16QAM	18.15	-1.0 0	17.15	51.88	23
				64QAM	18.09	-1.0 0	17.09	51.17	23
				256QAM	17.66	-1.0 0	16.66	46.34	23
56590	3685	56707	3696.7	QPSK	18.06	-1.0 0	17.06	50.82	23
				16QAM	17.99	-1.0 0	16.99	50.00	23
				64QAM	17.91	-1.0 0	16.91	49.09	23
				256QAM	17.58	-1.0 0	16.58	45.50	23



Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (dBm/10MHz)
55273	3553.3	55390	3565	QPSK	18.31	-1.00	17.31	53.83	23
				16QAM	18.23	-1.00	17.23	52.84	23
				64QAM	18.21	-1.00	17.21	52.60	23
				256QAM	18.01	-1.00	17.01	50.23	23
55898	3615.8	56015	3627.5	QPSK	18.21	-1.00	17.21	52.60	23
				16QAM	18.18	-1.00	17.18	52.24	23
				64QAM	18.12	-1.00	17.12	51.52	23
				256QAM	17.66	-1.00	16.66	46.34	23
56523	3678.3	56640	3690	QPSK	18.00	-1.00	17.00	50.12	23
				16QAM	17.99	-1.00	16.99	50.00	23
				64QAM	17.92	-1.00	16.92	49.20	23
				256QAM	17.57	-1.00	16.57	45.39	23

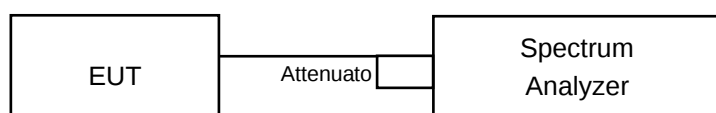
REMARKS: ERP Output Power (dBm) = EIRP (dBm) -2.15(dB).

3.2 CONDUCTED BAND EDGE

3.2.1 LIMITS OF CONDUCTED BAND EDGE MEASUREMENT

The conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz. Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

3.2.2 TEST SETUP



3.2.3 TEST INSTRUMENTS

Refer to section 1.2 to get information of above instrument.

3.2.4 TEST PROCEDURE

For the Conducted Band Edge:

- a. Connect the transmitter to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
- b. Tune the analyzer to the nominal center frequency of the emission bandwidth (EBW).
- c. Set the resolution bandwidth (RBW) $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
- d. Beyond the 1MHz band from the band edge, RBW=1MHz was used.
- e. Set the video bandwidth (VBW) to $\geq 3 \times$ RBW.
- f. Select the average power (RMS) display detector.
- g. Set the number of measurement points to ≥ 1001 .
- h. Use auto-coupled sweep time.
- i. Perform the measurement over an interval of time when the transmission is continuous and at its maximum power level.
- j. The RF fundamental frequency should be excluded against the limit line in the operating frequency band and use RBW is 10KHz or 100KHz.
- k. Record the max trace plot into the test report.

For Adjacent Channel Leakage Ratio (ACLR) measurement:

1. The Adjacent Channel Leakage Ratio (ACLR) is the ratio of the average power in the assigned aggregated channel bandwidth to the average power over the equivalent adjacent channel bandwidth.
2. The option ACLR of spectrum analyzer is used and measures the ACLR ratio by setting equivalent channel bandwidth.
3. The measured ACLR ratio shall be at least 30 dB.

3.2.5 DEVIATION FROM TEST STANDARD

No deviation.



Test Report No.: W7L-P24090003RF10

3.2.6 TEST RESULTS

Please Refer to Appendix I



3.3 FREQUENCY STABILITY MEASUREMENT

3.3.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

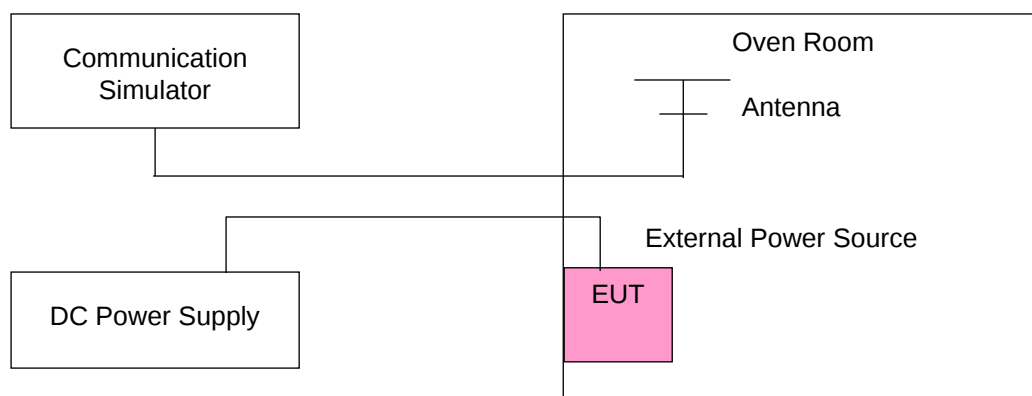
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency band.

3.3.2 TEST PROCEDURE

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warms up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

3.3.3 TEST SETUP





3.3.4 TEST RESULTS

Please Refer to Appendix I

LTE BAND CA_42C

LTE BAND CA_42C channel and Frequency List					
BW(MHz)	Channel/Frequency(MHz)		Lowest	Middle	Highest
5+20	PCC	channel	42123	43248	43373
		Frequency	3553.3	3565.8	3578.3
	SCC	channel	42240	43365	43490
		Frequency	3565	3577.5	3590
10+20	PCC	channel	42145	43246	43346
		Frequency	3555.5	3565.6	3575.6
	SCC	channel	43289	43390	43490
		Frequency	3569.9	3580	3590
15+20	PCC	channel	43168	43243	43319
		Frequency	3557.8	3565.3	3572.9
	SCC	channel	43339	43414	43490
		Frequency	3574.9	3582.4	3590
20+5	PCC	channel	43690	43315	43440
		Frequency	3560	3572.5	3585
	SCC	channel	43807	43432	43557
		Frequency	3571.7	3584.2	3596.7
20+10	PCC	channel	43391	43291	43190
		Frequency	3580.1	3570.1	3560
	SCC	channel	43535	43435	43334
		Frequency	3594.5	3584.5	3574.4
20+15	PCC	channel	43190	43266	43341
		Frequency	3560	3567.6	3575.1
	SCC	channel	43361	43437	43512
		Frequency	3577.1	3584.7	3592.2
20+20	PCC	channel	43190	43241	43292
		Frequency	3560	3565.1	3570.2
	SCC	channel	43388	43439	43490
		Frequency	3579.8	3584.9	3590



LTE BAND CA_48C

LTE BAND CA_48C channel and Frequency List					
BW(MHz)	Channel/Frequency(MHz)		Lowest	Middle	Highest
5+20	PCC	channel	55273	55898	56523
		Frequency	3553.3	3615.8	3678.3
	SCC	channel	42240	56015	56640
		Frequency	3550	3627.5	3690
10+20	PCC	channel	55295	55896	56496
		Frequency	3555.5	3615.6	3675.6
	SCC	channel	55439	56040	56640
		Frequency	3569.9	3630	3690
15+20	PCC	channel	55318	55893	56496
		Frequency	3557.8	3615.3	3672.9
	SCC	channel	55489	55064	56640
		Frequency	3574.9	3632.4	3690
20+5	PCC	channel	55340	55965	56590
		Frequency	3560	3622.5	3685
	SCC	channel	42307	56082	56707
		Frequency	3550	3634.2	3696.7
20+10	PCC	channel	55340	55941	56541
		Frequency	3560	3620.1	3680.1
	SCC	channel	55484	56085	56685
		Frequency	3574.4	3634.5	3694.5
20+15	PCC	channel	55340	55916	56491
		Frequency	3560	3617.6	3675.1
	SCC	channel	55511	56087	56662
		Frequency	3577.1	3634.7	3692.2
20+20	PCC	channel	55340	55891	56442
		Frequency	3560	3615.1	3670.2
	SCC	channel	55538	56089	56640
		Frequency	3579.8	3634.9	3690

Note: VL = Low voltage(3.6V); VN/NV = Normal voltage(3.7V); VH = High voltage(4.2V);
NT = Normal temperature (25℃)

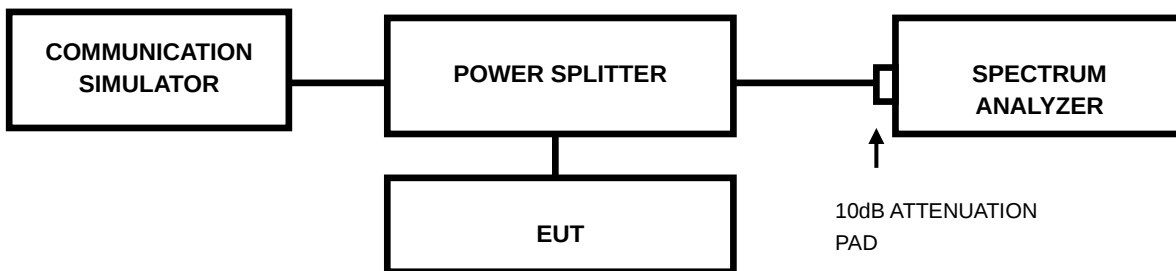


3.4 OCCUPIED BANDWIDTH MEASUREMENT

3.4.1 OCCUPIED BANDWIDTH MEASUREMENT

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

3.4.2 TEST SETUP



3.4.3 TEST INSTRUMENTS

Refer to section 1.2 to get information of above instrument.

3.4.4 TEST PROCEDURE

- The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.



Test Report No.: W7L-P24090003RF10

3.4.6 TEST RESULT

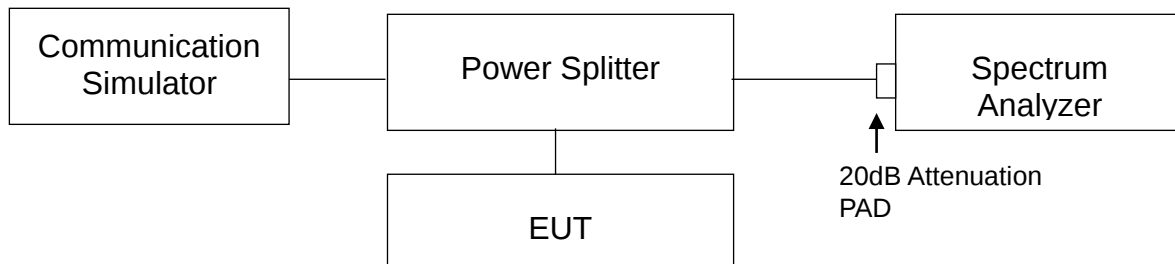
Please Refer to Appendix I

3.5 CONDUCTED SPURIOUS EMISSIONS

3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

3.5.2 TEST SETUP



3.5.3 TEST PROCEDURE

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 9 kHz to 40 GHz. 20dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.



Test Report No.: W7L-P24090003RF10

3.5.4 TEST RESULTS

Please Refer to Appendix I

3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

3.6.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m(below or equal 1GHz) and/or 1.5m(above 1GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G
- c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,
$$\text{E.R.P power} = \text{E.I.P.R power} - 2.15\text{dBi}.$$

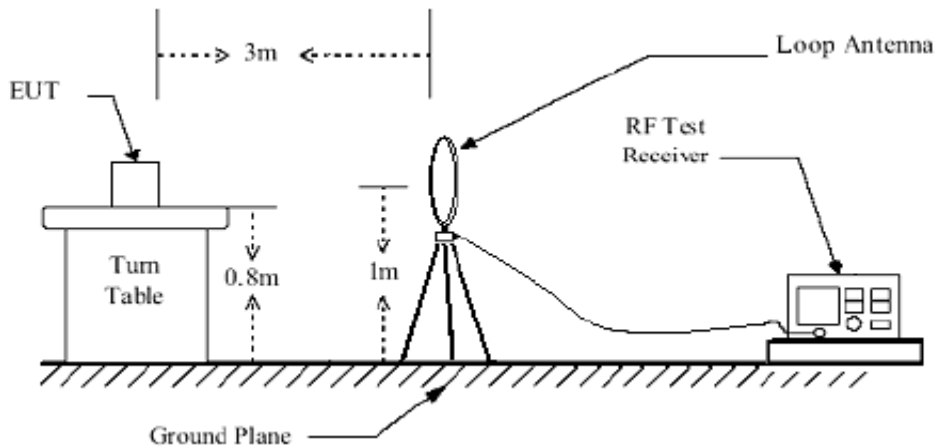
Note: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

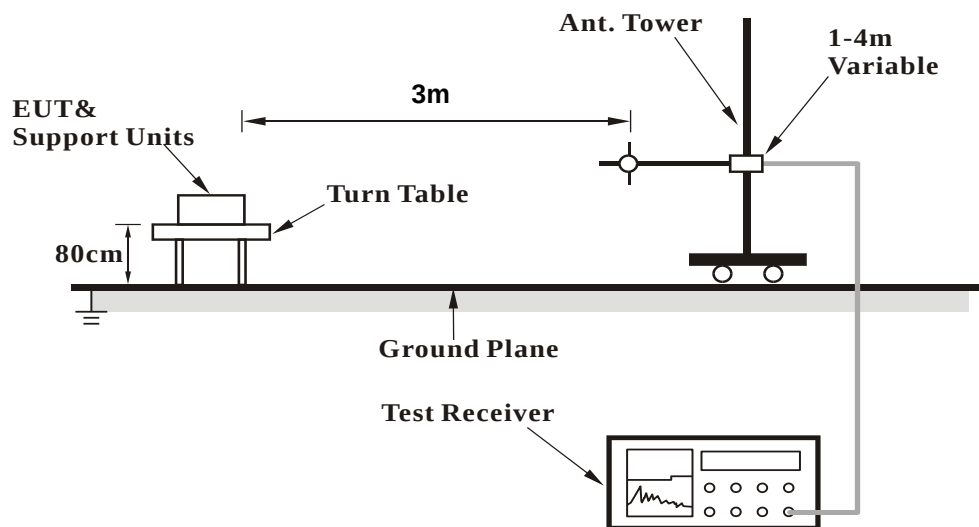
No deviation.

3.6.4 TEST SET UP

< Frequency Range below 30MHz >

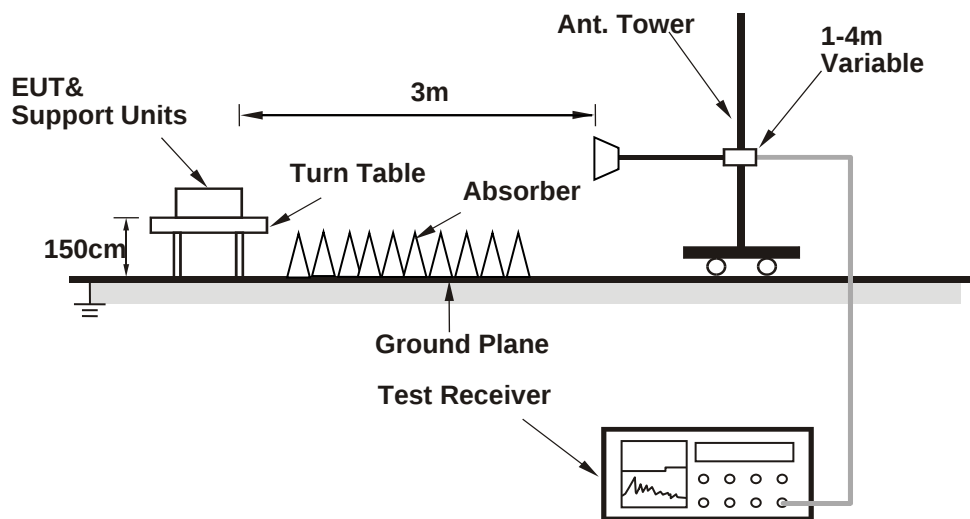


<Frequency Range below 1GHz>





<Frequency Range above 1GHz>



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

3.6.5 TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

BELOW 1GHz WORST-CASE DATA

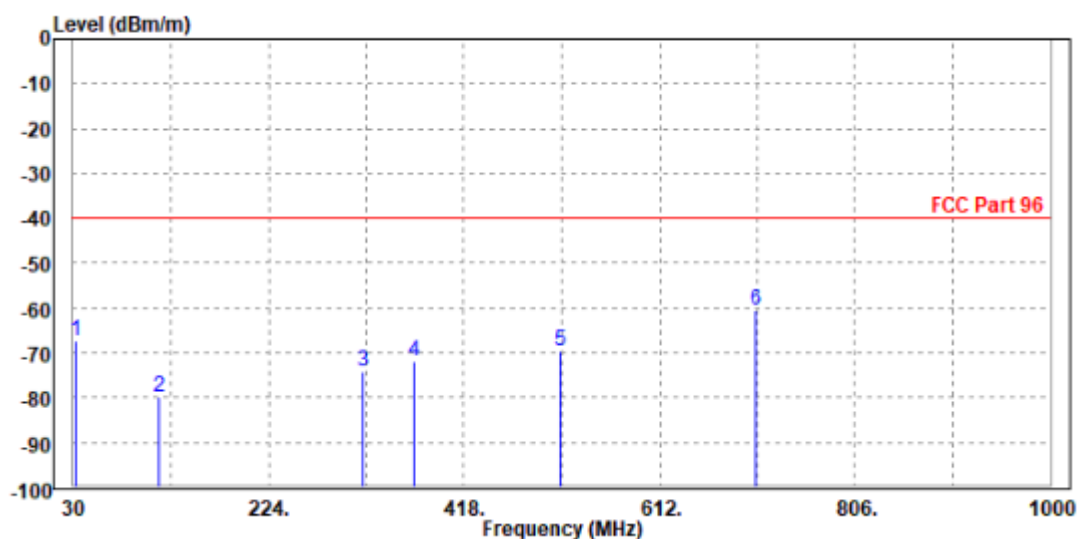
30 MHz – 1GHz data:

LTE Band 48

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 55990	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

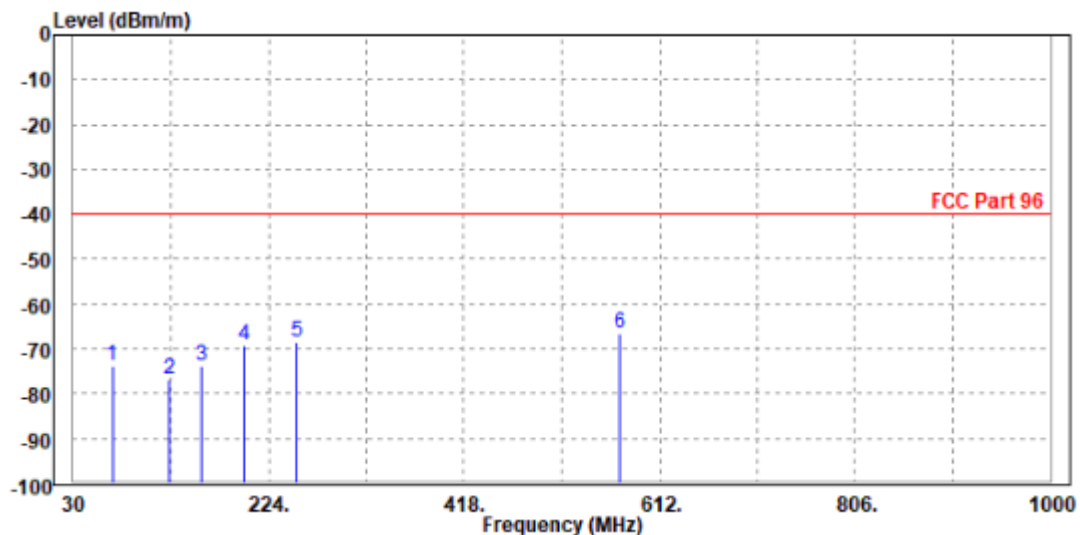
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	31.940	-67.25	-64.21	-40.00	-27.25	-3.04	Peak	Horizontal
2	115.360	-79.77	-64.69	-40.00	-39.77	-15.08	Peak	Horizontal
3	317.120	-74.28	-65.80	-40.00	-34.28	-8.48	Peak	Horizontal
4	367.560	-71.67	-64.13	-40.00	-31.67	-7.54	Peak	Horizontal
5	514.030	-69.56	-64.67	-40.00	-29.56	-4.89	Peak	Horizontal
6 PP	707.060	-60.62	-64.74	-40.00	-20.62	4.12	Peak	Horizontal





MODE	TX channel 55990	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	68.800	-73.59	-53.30	-40.00	-33.59	-20.29	Peak	Vertical
2	125.060	-76.98	-60.20	-40.00	-36.98	-16.78	Peak	Vertical
3	158.040	-73.79	-62.84	-40.00	-33.79	-10.95	Peak	Vertical
4	198.780	-69.04	-60.19	-40.00	-29.04	-8.85	Peak	Vertical
5	251.160	-68.28	-64.55	-40.00	-28.28	-3.73	Peak	Vertical
6 PP	572.230	-66.41	-64.22	-40.00	-26.41	-2.19	Peak	Vertical



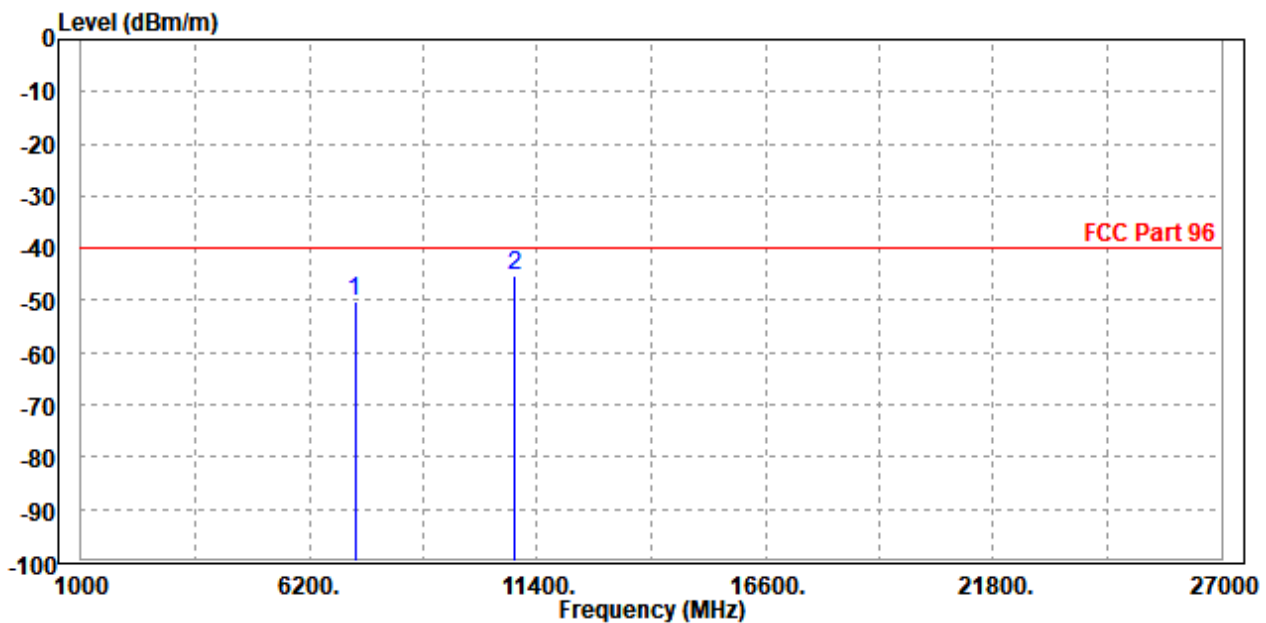
ABOVE 1GHz
LTE BAND 48

Note: For frequency above 27GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 55990	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

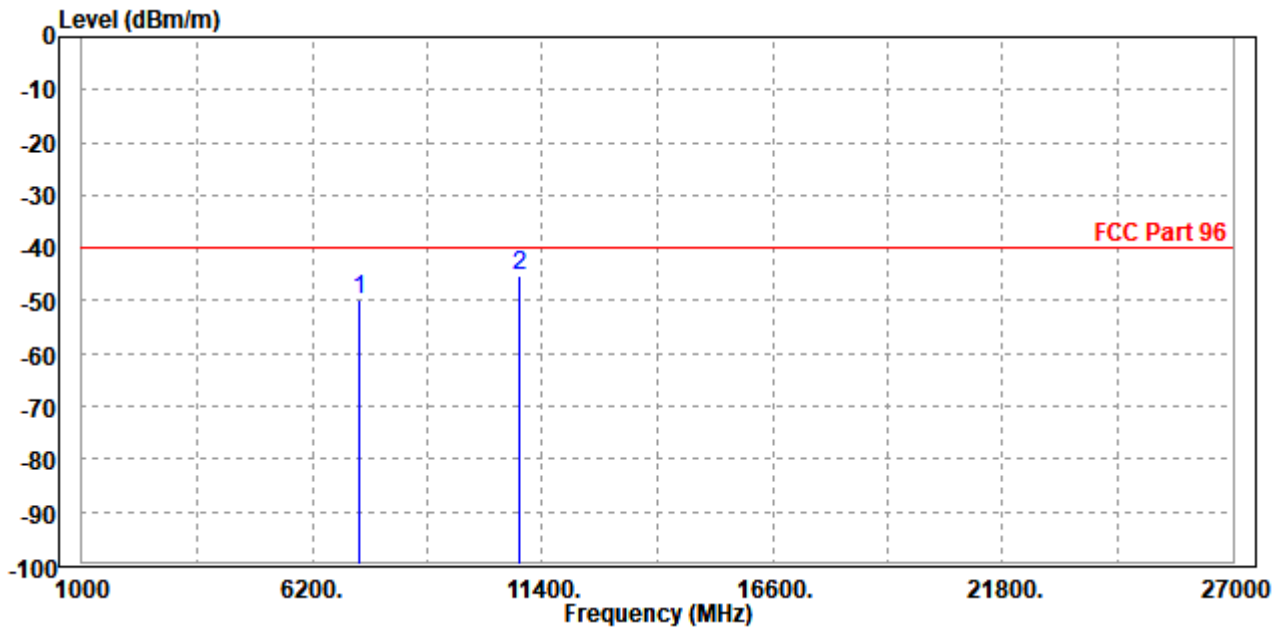
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7240.000	-50.38	-64.42	-40.00	-10.38	14.04	Peak	Horizontal
2	PP10880.000	-45.07	-65.26	-40.00	-5.07	20.19	Peak	Horizontal





MODE	TX channel 55990	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7250.000	-49.67	-63.47	-40.00	-9.67	13.80	Peak	Vertical
2	PP10880.000	-45.06	-65.58	-40.00	-5.06	20.52	Peak	Vertical

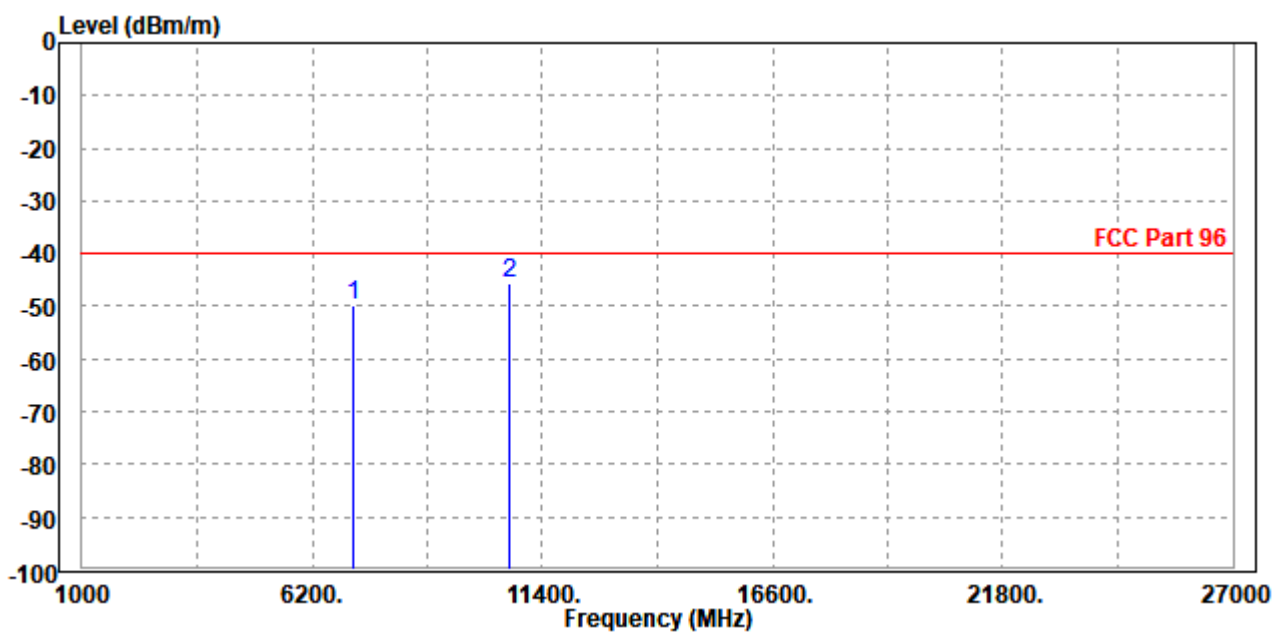


CHANNEL BANDWIDTH: 10MHz / QPSK

CH 55290

MODE	TX channel 55290	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

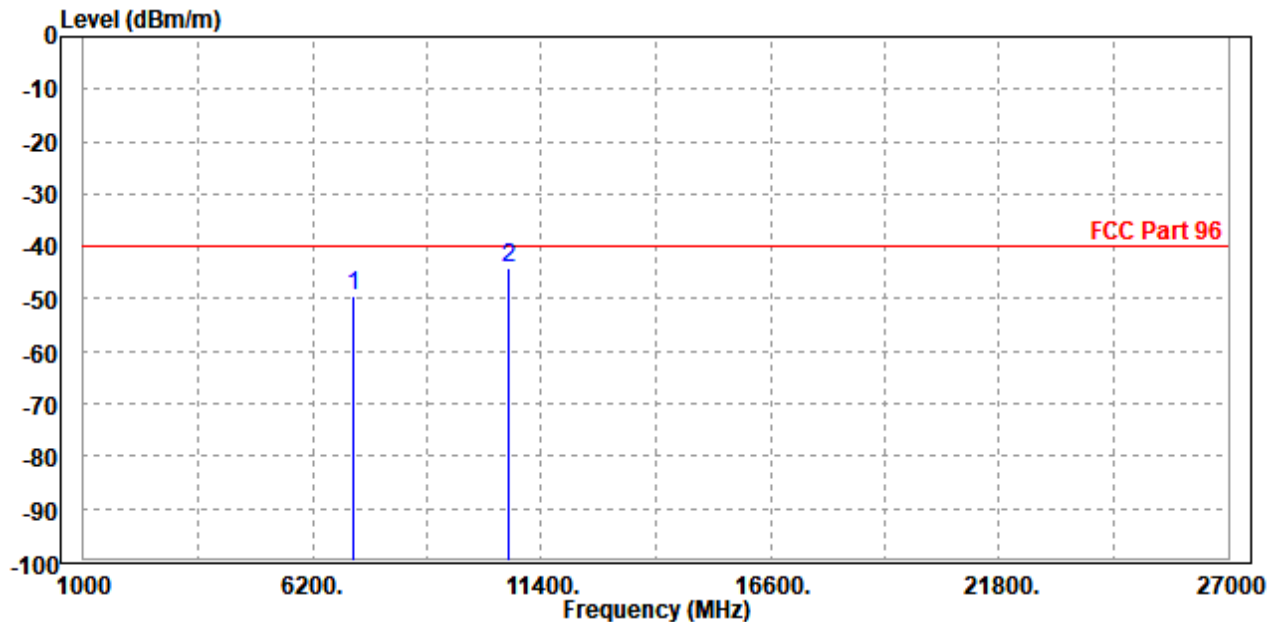
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7110.000	-49.94	-63.84	-40.00	-9.94	13.90	Peak	Horizontal
2	PP10672.000	-45.61	-65.50	-40.00	-5.61	19.89	Peak	Horizontal





MODE	TX channel 55290	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

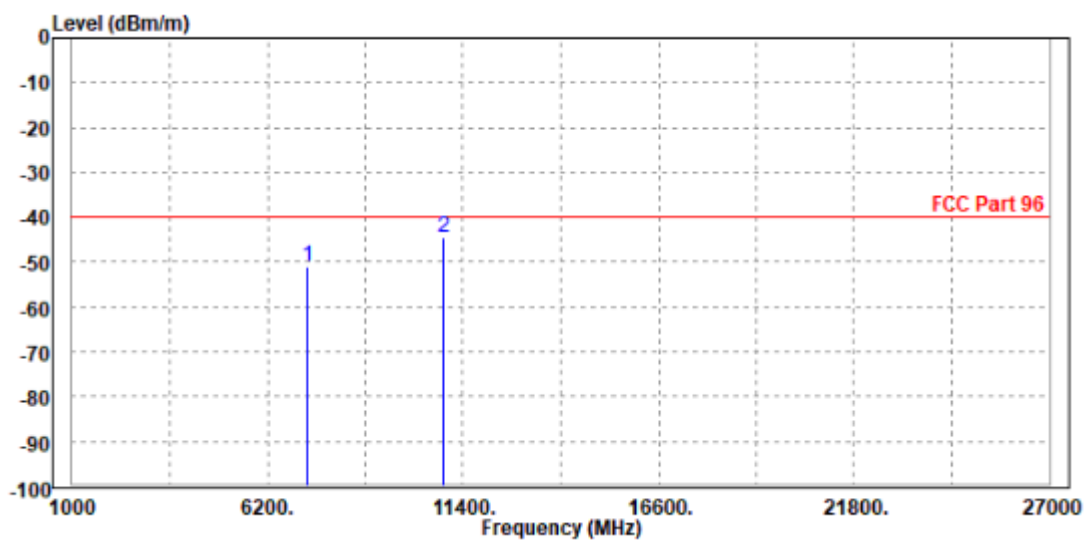
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7110.000	-49.62	-63.85	-40.00	-9.62	14.23	Peak	Vertical
2	PP10672.000	-44.11	-64.66	-40.00	-4.11	20.55	Peak	Vertical



CH 55990

MODE	TX channel 55990	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

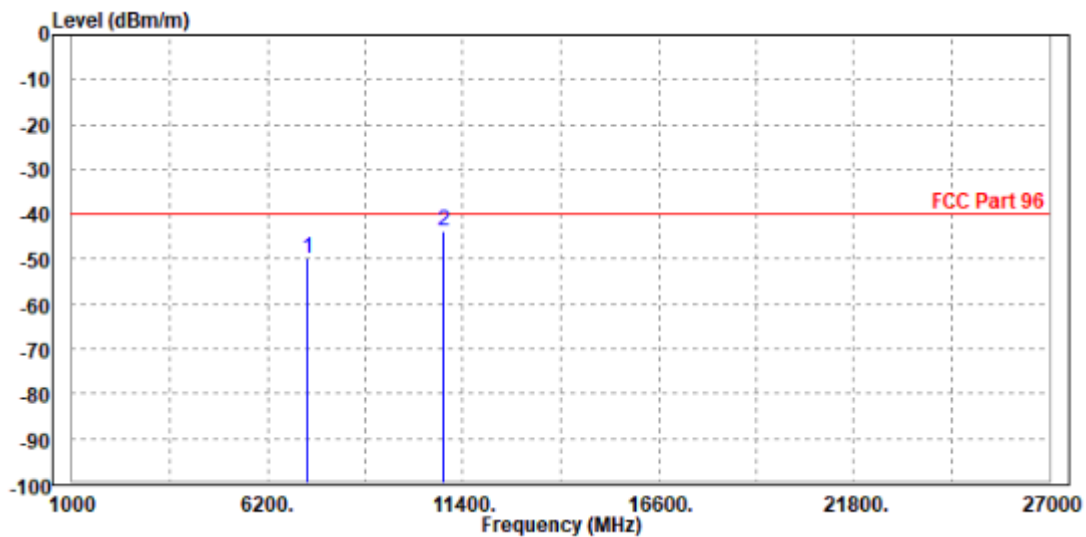
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7250.000	-50.81	-64.87	-40.00	-10.81	14.06	Peak	Horizontal
2	PP10880.000	-44.35	-64.54	-40.00	-4.35	20.19	Peak	Horizontal





MODE	TX channel 55990	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7250.000	-49.65	-63.45	-40.00	-9.65	13.80	Peak	Vertical
2	PP10880.000	-43.61	-64.13	-40.00	-3.61	20.52	Peak	Vertical

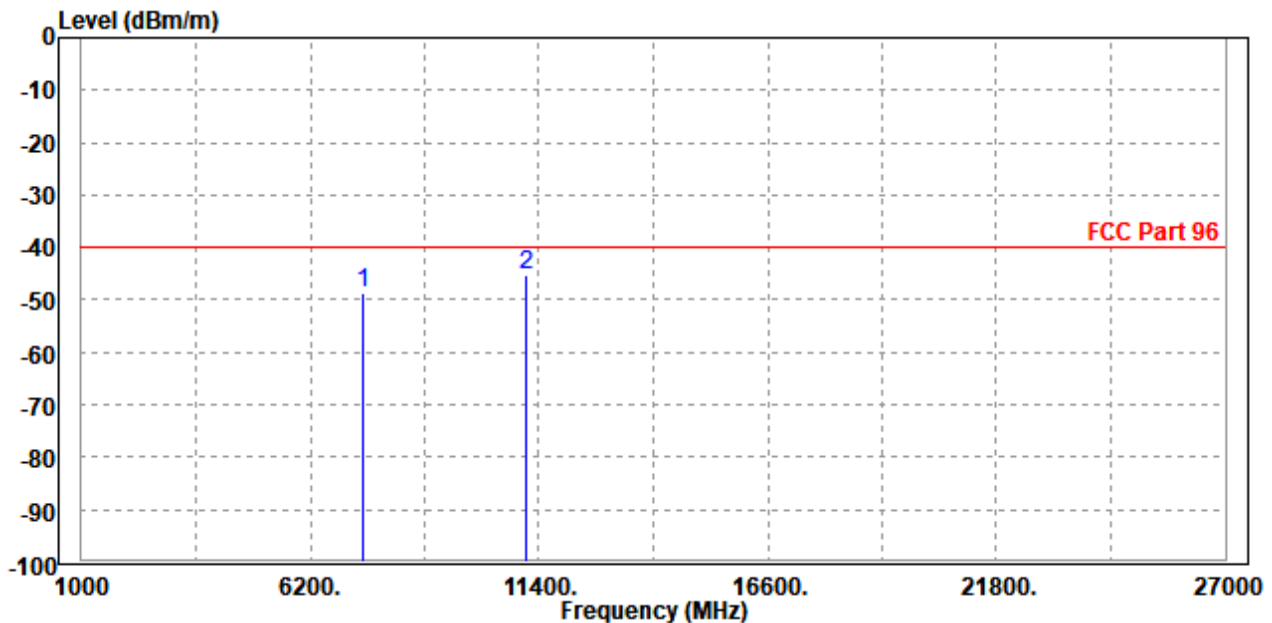




CH 56690

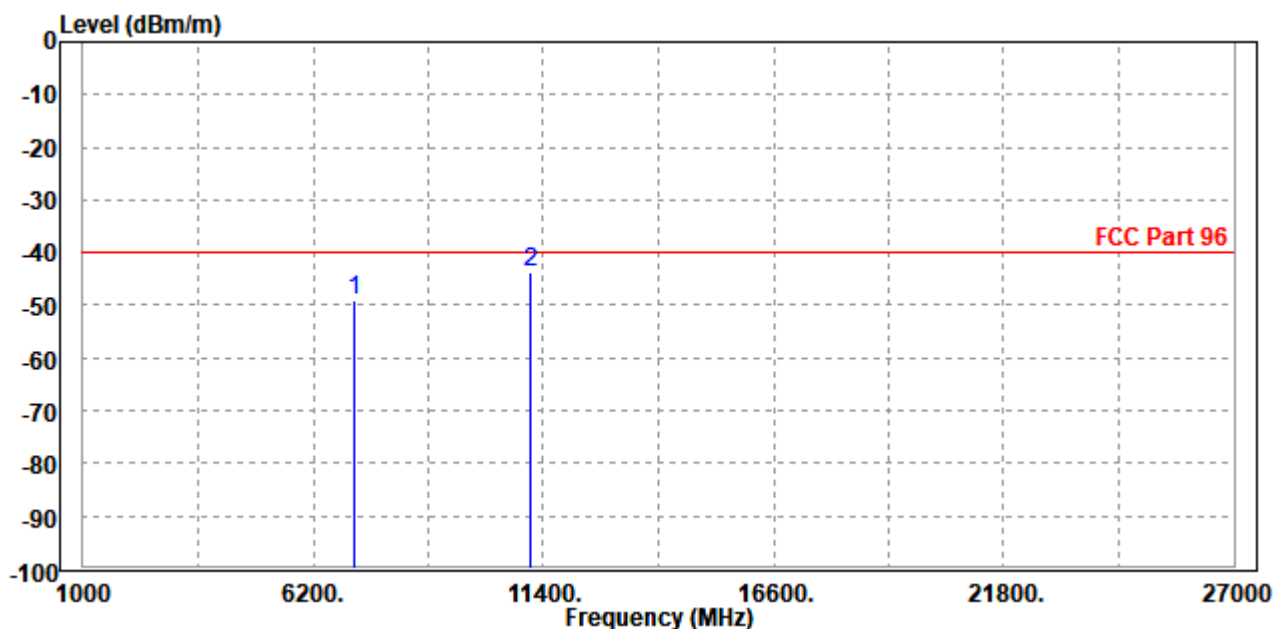
MODE	TX channel 56690	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7396.000	-48.73	-62.95	-40.00	-8.73	14.22	Peak	Horizontal
2	PP11088.000	-45.06	-65.46	-40.00	-5.06	20.40	Peak	Horizontal



MODE	TX channel 56690	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

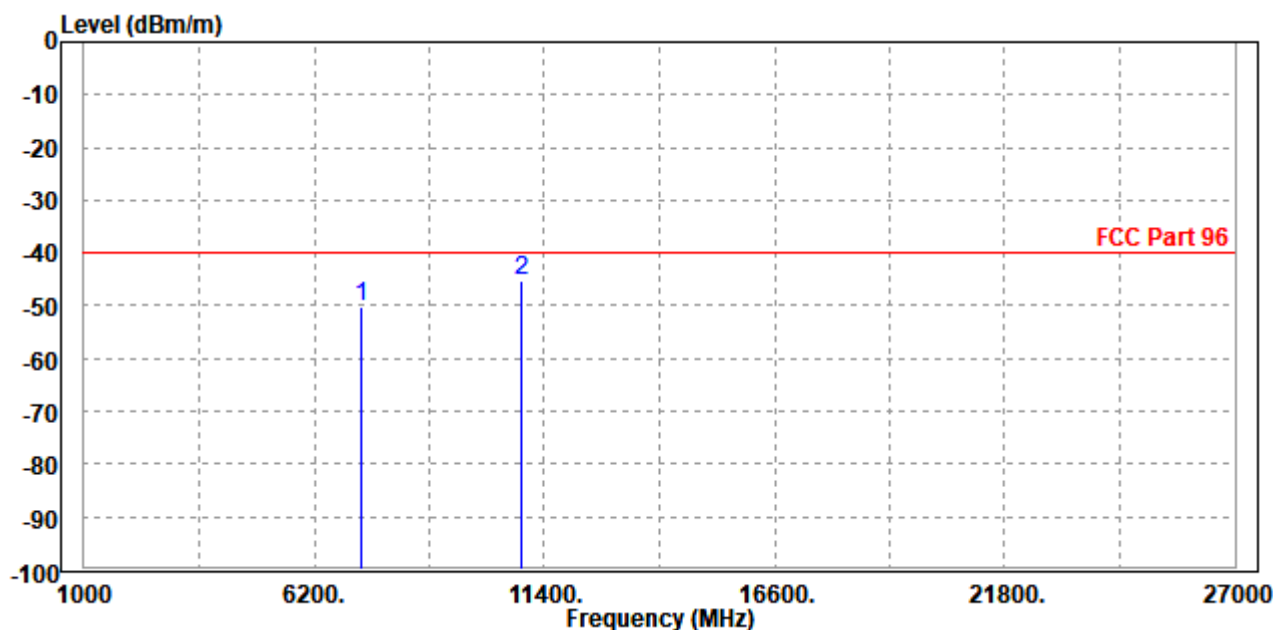
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7110.000	-49.10	-63.33	-40.00	-9.10	14.23	Peak	Vertical
2	PP11088.000	-43.84	-64.13	-40.00	-3.84	20.29	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 55990	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

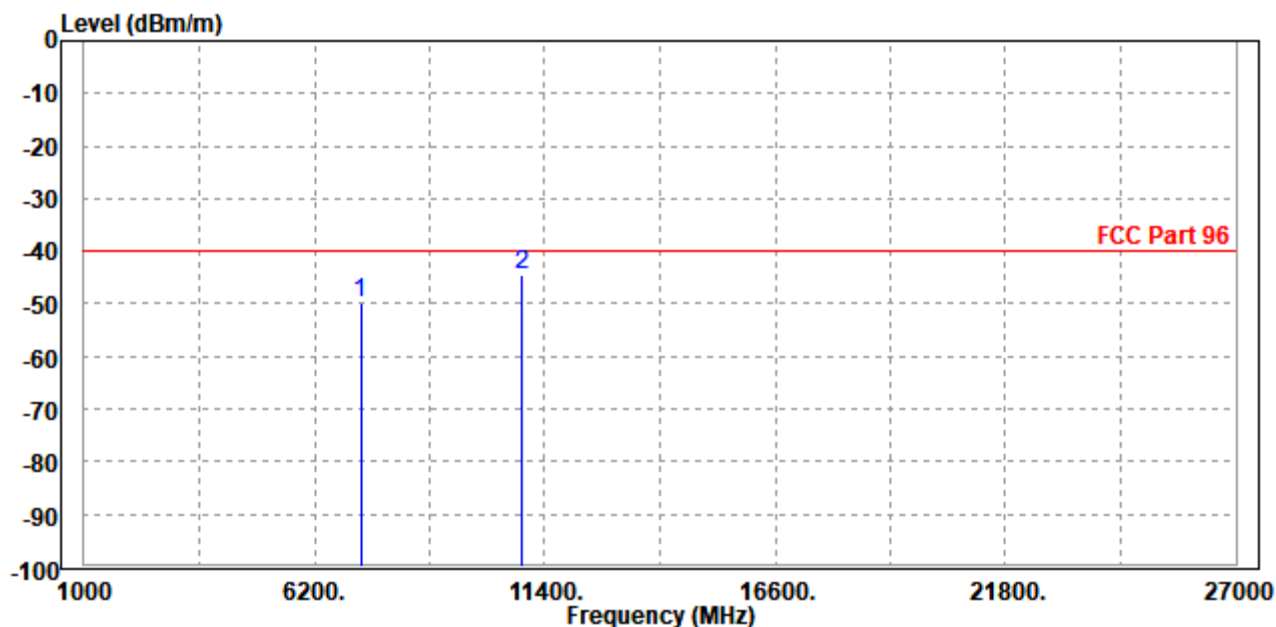
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7250.000	-50.32	-64.38	-40.00	-10.32	14.06	Peak	Horizontal
2	PP10880.000	-45.20	-65.39	-40.00	-5.20	20.19	Peak	Horizontal





MODE	TX channel 55990	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

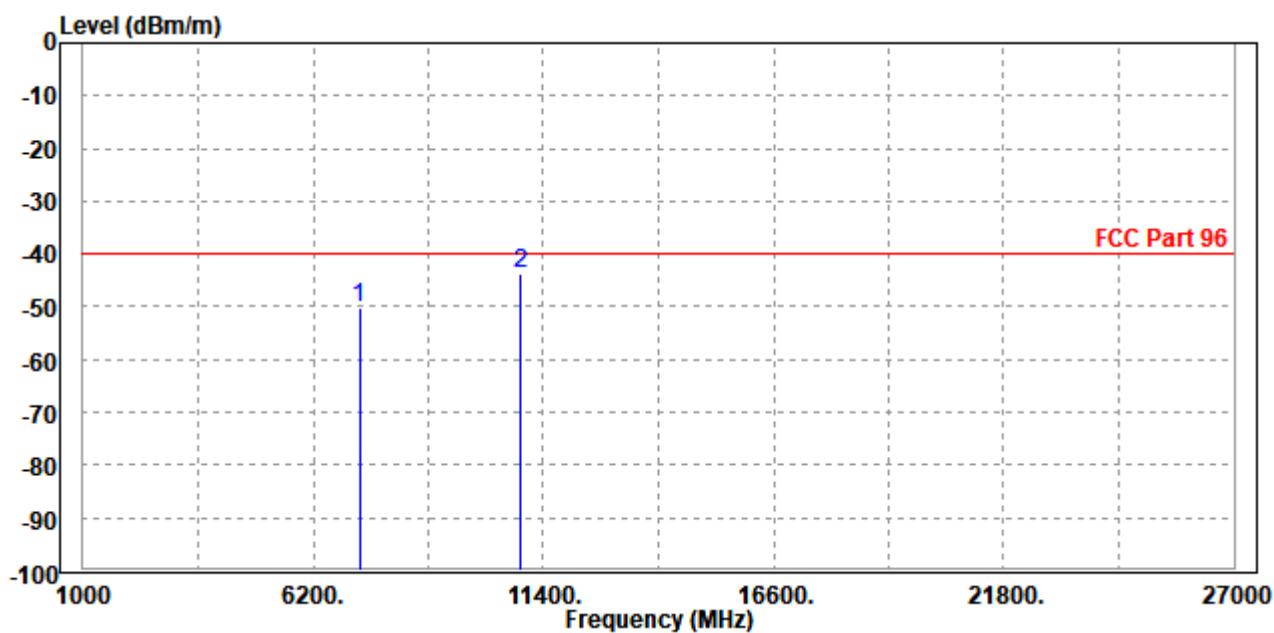
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7240.000	-49.91	-63.74	-40.00	-9.91	13.83	Peak	Vertical
2	PP10880.000	-44.41	-64.93	-40.00	-4.41	20.52	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 55990	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

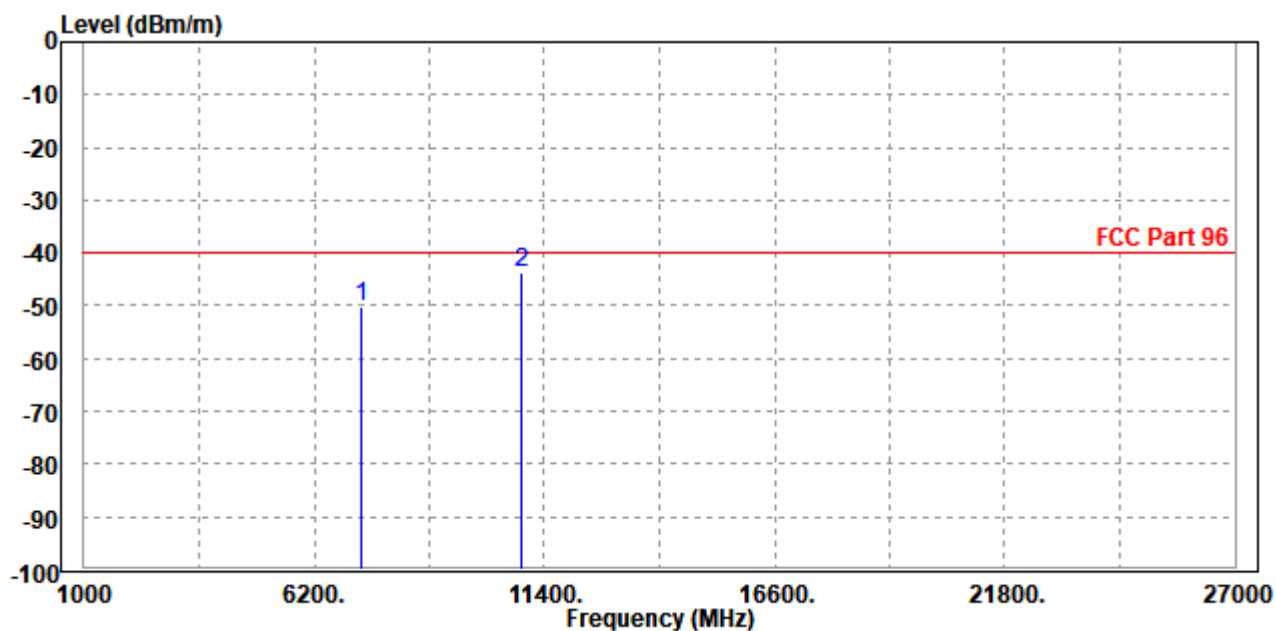
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7240.000	-50.04	-64.08	-40.00	-10.04	14.04	Peak	Horizontal
2	PP10880.000	-43.87	-64.06	-40.00	-3.87	20.19	Peak	Horizontal





MODE	TX channel 55990	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7250.000	-50.08	-63.88	-40.00	-10.08	13.80	Peak	Vertical
2	PP10880.000	-43.83	-64.35	-40.00	-3.83	20.52	Peak	Vertical





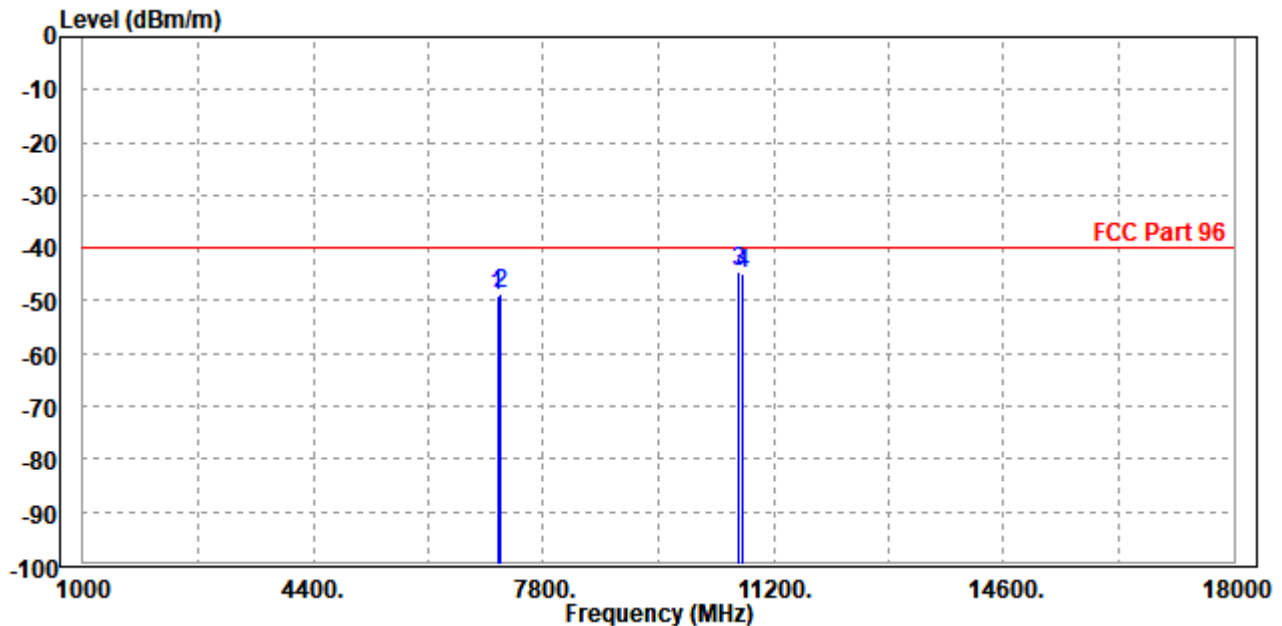
LTE Band CA _48C

Note: For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL BANDWIDTH: 20MHz + 20MHz

MODE	TX channel PCC 55891	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 56089		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

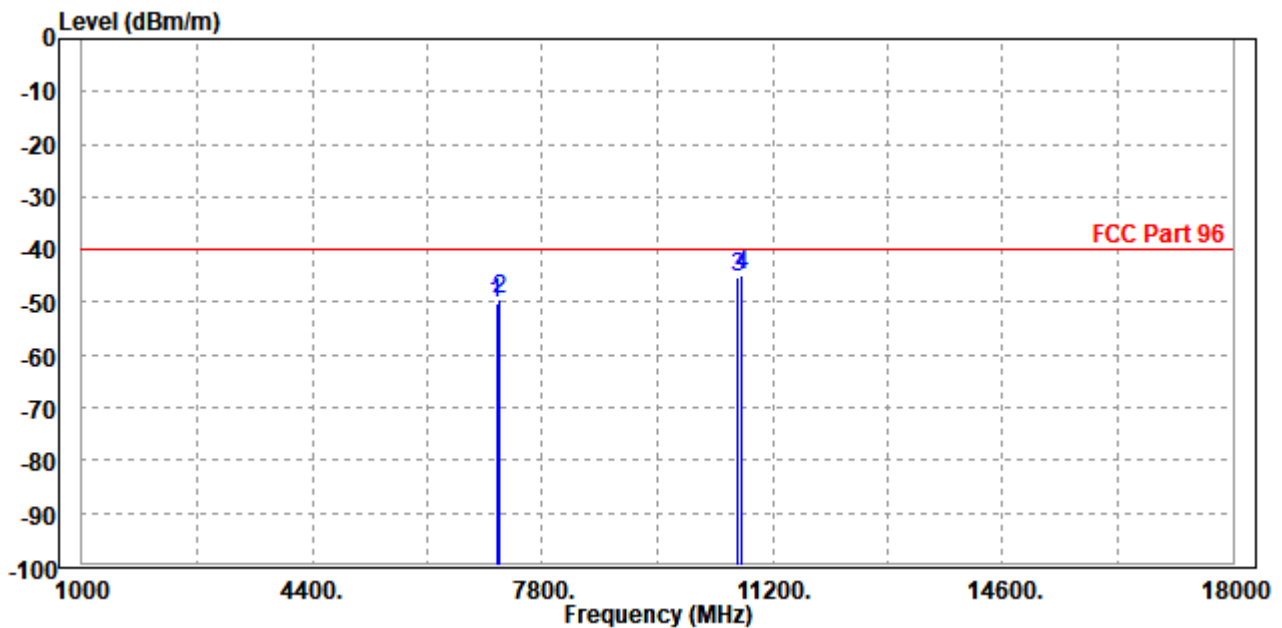
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7120.000	-49.12	-63.03	-40.00	-9.12	13.91	Peak	Horizontal
2	7160.000	-48.67	-62.62	-40.00	-8.67	13.95	Peak	Horizontal
3	PP10673.000	-44.51	-64.41	-40.00	-4.51	19.90	Peak	Horizontal
4	10741.000	-44.93	-64.92	-40.00	-4.93	19.99	Peak	Horizontal





MODE	TX channel PCC 55891	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 56089		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7120.000	-50.01	-64.21	-40.00	-10.01	14.20	Peak	Vertical
2	7160.000	-49.43	-63.50	-40.00	-9.43	14.07	Peak	Vertical
3	10673.000	-45.28	-65.83	-40.00	-5.28	20.55	Peak	Vertical
4	PP10741.000	-45.05	-65.59	-40.00	-5.05	20.54	Peak	Vertical

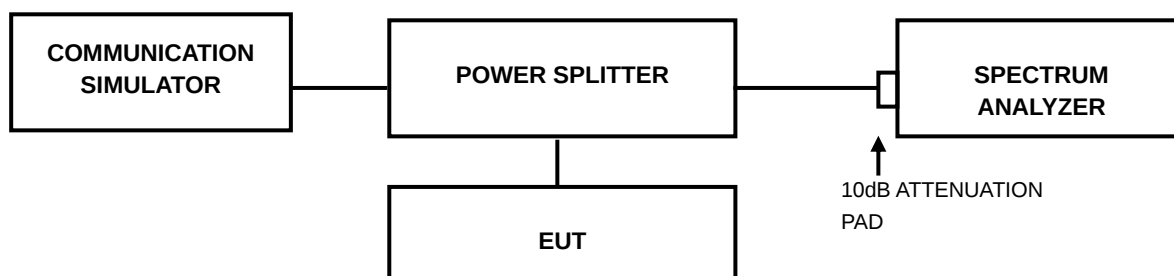


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.



Test Report No.: W7L-P24090003RF10

3.7.4 TEST RESULTS

Please Refer to Appendix I

4 INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Shenzhen EMC/RF Lab:

Tel: +86-755-88696566

Fax: +86-755-88696577

Email: customerservice.sw@cn.bureauveritas.com

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.