VARIANT FCC TEST REPORT

(PART 27)

Applicant:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA

Manufacturer or Supplier:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA
Product:	FE5NA0020
Brand Name:	Continental
Model Name:	FE5NA0020
FCC ID:	LHJ-FE5NA0020
Date of tests:	Jun. 16, 2021 ~ Mar. 07, 2022

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

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

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

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
Simon Date: Mar. 07, 2022	Luke Lu Date: Mar. 07, 2022

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P20210616-3RF03	Original release	Nov. 04, 2021
W7L-P22020005RF01	Based on W7L-P20210616-3RF03, add LTE CA Uplink Band (B7C, B66B, B41C) by software.	Mar. 07, 2022

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**	**RESULT**
§2.1046	Coduncted Output Power	Compliance
§27.50(d)(4) §27.50(h)(2)	Equivalent Isotropically Radiated Power	Compliance
§2.1055 §27.54	Frequency Stability	Compliance
§2.1049	Occupied Bandwidth	Compliance
§2.1051 §27.53(h) §27.53(m)(4)(6)	Band Edge Measurements	Compliance
§2.1051 §27.53(h) §27.53(m)(4)(6)	Conducted Spurious Emissions	Compliance
§2.1053 §27.53(h) §27.53(m)(4)(6)	Radiated Spurious Emissions	Compliance
NA	Peak to average ratio	Compliance

1.1 MEASREMENT UNCERTAINTY

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

MEASUREMENT	UNCERTAINTY
Frequency Stability	±7 6.97Hz
Radiated emissions & Radiated Power (30MHz~1GMHz)	±4.98dB
Radiated emissions & Radiated Power (1GMHz ~6GMHz)	±4.70dB
Radiated emissions (6GMHz ~18GMHz)	±4.60dB
Radiated emissions (18GMHz ~40GMHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Conducted Output power	±2.06dB
Band Edge Measurements	±4.70dB

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

1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Apr. 22,21	Apr. 21,22
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	Jun. 03,21	Jun. 02,22
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-051	Feb. 14.20	Feb. 13.23
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 05,21	Mar. 04,22
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 04,22	Mar. 03,23
Horn Antenna	ETS-LINDGREN	3117	00168692	Apr. 02,21	Apr. 01,22
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Aug. 25, 21	Aug. 24, 22
Base station	Rohde&Schwarz	CMW500	153085	Jun. 02,21	Jun. 01,22
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 02,21	Jun. 01,22
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 03,21	Jun. 02,22
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Apr. 22,21	Apr. 21,22
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	May. 19,20	May. 18,23
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 03,21	Jun. 02,22
Power Meter	Anritsu	ML2495A	1506002	Apr. 07,21	Apr. 06,22
Power Sensor	Anritsu	MA2411B	1339352	May. 07,21	May. 06,22
Temperature Chamber	ESPEC	SH-242	93000855	Jun. 02,21	Jun. 01,22
Power Divider	MCLI/USA	PS2-15	24880	N/A	N/A

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

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

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

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

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	FE5NA0020	
BRAND NAME	Continental	
MODEL NAME	FE5NA0020	
NOMINAL VOLTAGE	EUT 4.0V	
MODULATION TECHNOLOGY	**LTE**	QPSK, 16QAM, 64QAM
FREQUENCY RANGE	**LTE Band CA_7C Channel Bandwidth: 10MHz+20MHz**	2505.5MHz ~ 2560MHz
	LTE Band CA_7C Channel Bandwidth: 15MHz+10MHz	2507.5MHz ~ 2564.7MHz
	LTE Band CA_7C Channel Bandwidth: 15MHz+15MHz	2507.5MHz ~ 2562.5MHz
	LTE Band CA_7C Channel Bandwidth: 15MHz+20MHz	2507.8MHz ~ 2560MHz
	LTE Band CA_7C Channel Bandwidth: 20MHz+10MHz	2510MHz ~ 2564.5MHz
	LTE Band CA_7C Channel Bandwidth: 20MHz+15MHz	2510MHz ~ 2562.5MHz
	LTE Band CA_7C Channel Bandwidth: 20MHz+20MHz	2510MHz ~ 2560MHz
	LTE Band CA_41C Channel Bandwidth: 5MHz+20MHz	2499.3MHz ~ 2668.3MHz
	LTE Band CA_41C Channel Bandwidth: 10MHz+15MHz	2501.3MHz ~ 2670.5MHz
	LTE Band CA_41C Channel Bandwidth: 10MHz+20MHz	2501.5MHz ~ 2665.6MHz
	LTE Band CA_41C Channel Bandwidth: 15MHz+10MHz	2503.5MHz ~ 2672.7MHz
	LTE Band CA_41C Channel Bandwidth: 15MHz+15MHz	2503.5MHz ~ 2667.5MHz

FREQUENCY RANGE	**LTE Band CA_41C Channel Bandwidth: 15MHz+20MHz**	2503.8MHz ~ 2662.9MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+5MHz	2506.0MHz ~ 2675.0MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+10MHz	2506.0MHz ~ 2670.1MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+15MHz	2506.0MHz ~ 2665.1MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+20MHz	2506.0MHz ~ 2660.2MHz
	LTE Band CA_41C-HPUE Channel Bandwidth: 5MHz+20MHz	2499.3MHz ~ 2668.3MHz
	LTE Band CA_41C-HPUE Channel Bandwidth: 10MHz+15MHz	2501.3MHz ~ 2670.5MHz
	LTE Band CA_41C-HPUE Channel Bandwidth: 10MHz+20MHz	2501.5MHz ~ 2665.6MHz
	LTE Band CA_41C-HPUE Channel Bandwidth: 15MHz+10MHz	2503.5MHz ~ 2672.7MHz
	LTE Band CA_41C-HPUE Channel Bandwidth: 15MHz+15MHz	2503.5MHz ~ 2667.5MHz
	LTE Band CA_41C-HPUE Channel Bandwidth: 15MHz+20MHz	2503.8MHz ~ 2662.9MHz
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz+5MHz	2506.0MHz ~ 2675.0MHz
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz+10MHz	2506.0MHz ~ 2670.1MHz
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz+15MHz	2506.0MHz ~ 2665.1MHz
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz+20MHz	2506.0MHz ~ 2660.2MHz
	LTE Band CA_66B Channel Bandwidth: 5MHz+5MHz	1712.5MHz ~ 1772.7MHz

FREQUENCY RANGE	**LTE Band CA_66B Channel Bandwidth: 5MHz+10MHz**	1712.8MHz ~ 1767.8MHz
	LTE Band CA_66B Channel Bandwidth: 5MHz+15MHz	1713MHz ~ 1763.2MHz
	LTE Band CA_66B Channel Bandwidth: 10MHz+5MHz	1715MHz ~ 1770MHz
	LTE Band CA_66B Channel Bandwidth: 15MHz+5MHz	1717.5MHz ~ 1767.7MHz
	LTE Band CA_66B Channel Bandwidth: 10MHz+10MHz	1715MHz ~ 1765.1MHz
EMISSION DESIGNATOR	**LTE Band CA_7C Channel Bandwidth: 10MHz+20MHz**	QPSK: 28M0G7D
		16QAM: 28M0W7D
		64QAM: 28M0W7D
	LTE Band CA_7C Channel Bandwidth: 15MHz +10MHz	QPSK: 23M5G7D
		16QAM: 23M6W7D
		64QAM: 23M5W7D
	LTE Band CA_7C Channel Bandwidth: 15MHz +15MHz	QPSK: 28M6G7D
		16QAM: 28M6W7D
		64QAM: 28M6W7D
	LTE Band CA_7C Channel Bandwidth: 15MHz +20MHz	QPSK: 32M8G7D
		16QAM: 32M8W7D
		64QAM: 32M9W7D
	LTE Band CA_7C Channel Bandwidth: 20MHz +10MHz	QPSK: 28M1G7D
		16QAM: 28M1W7D
		64QAM: 28M1W7D
	LTE Band CA_7C Channel Bandwidth: 20MHz +15MHz	QPSK: 32M9G7D
		16QAM: 32M9W7D
		64QAM: 32M9W7D
	LTE Band CA_7C Channel Bandwidth: 20MHz +20MHz	QPSK: 37M7G7D
		16QAM: 37M7W7D
		64QAM: 37M7W7D
	LTE Band CA_41C-HPUE Channel Bandwidth: 5MHz+20MHz	QPSK: 22M9G7D
		16QAM: 22M9W7D
		64QAM: 22M9W7D
	LTE Band CA_41C-HPUE Channel Bandwidth: 10MHz+15MHz	QPSK: 23M3G7D
		16QAM: 23M2W7D
		64QAM: 23M2W7D
	LTE Band CA_41C-HPUE Channel Bandwidth:	QPSK: 27M7G7D
		16QAM: 27M7W7D

EMISSION DESIGNATOR	10MHz+20MHz	64QAM: 27M7W7D
	LTE Band CA_41C-HPUE Channel Bandwidth: 15MHz +10MHz	QPSK: 23M4G7D
		16QAM: 23M4W7D
		64QAM: 23M4W7D
	LTE Band CA_41C-HPUE Channel Bandwidth: 15MHz +15MHz	QPSK: 28M3G7D
		16QAM: 28M4W7D
		64QAM: 28M3W7D
	LTE Band CA_41C-HPUE Channel Bandwidth: 15MHz +20MHz	QPSK: 32M5G7D
		16QAM: 32M5W7D
		64QAM: 32M5W7D
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz +5MHz	QPSK: 23M2G7D
		16QAM: 23M2W7D
		64QAM: 23M2W7D
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz +10MHz	QPSK: 27M9G7D
		16QAM: 28M1W7D
		64QAM: 28M1W7D
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz +15MHz	QPSK: 32M6G7D
		16QAM: 32M6W7D
		64QAM: 32M6W7D
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz +20MHz	QPSK: 37M4G7D
		16QAM: 37M3W7D
		64QAM: 37M3W7D
	LTE Band CA_66B Channel Bandwidth: 5MHz+5MHz	QPSK: 10M0G7D
		16QAM: 10M1W7D
		64QAM: 10M1W7D
	LTE Band CA_66B Channel Bandwidth: 5MHz+10MHz	QPSK: 14M5G7D
		16QAM: 14M5W7D
		64QAM: 14M5W7D
	LTE Band CA_66B Channel Bandwidth: 5MHz+15MHz	QPSK: 18M7G7D
		16QAM: 18M7W7D
		64QAM: 18M8W7D
	LTE Band CA_66B Channel Bandwidth: 10MHz+5MHz	QPSK: 14M6G7D
		16QAM: 14M6W7D
		64QAM: 14M6W7D
	LTE Band CA_66B Channel Bandwidth: 10MHz+10MHz	QPSK: 19M3G7D
		16QAM: 19M3W7D
		64QAM: 19M3W7D
	LTE Band CA_66B Channel Bandwidth: 15MHz+5MHz	QPSK: 18M8G7D
		16QAM: 18M8W7D
		64QAM: 18M8W7D

MAX. EIRP or EPR	LTE Band CA_7C Channel Bandwidth: 10MHz+20MHz	223.36mW
	LTE Band CA_7C Channel Bandwidth: 15MHz+10MHz	221.31mW
	LTE Band CA_7C Channel Bandwidth: 15MHz+15MHz	222.33mW
	LTE Band CA_7C Channel Bandwidth: 15MHz+20MHz	225.42mW
	LTE Band CA_7C Channel Bandwidth: 20MHz+10MHz	224.39mW
	LTE Band CA_7C Channel Bandwidth: 20MHz+15MHz	226.46mW
	LTE Band CA_7C Channel Bandwidth: 20MHz+20MHz	237.68mW
	LTE Band CA_41C Channel Bandwidth: 5MHz+20MHz	230.14mW
	LTE Band CA_41C Channel Bandwidth: 20MHz+5MHz	233.88mW
	LTE Band CA_41C Channel Bandwidth: 10MHz+15MHz	234.96mW
	LTE Band CA_41C Channel Bandwidth: 15MHz+10MHz	235.50mW
	LTE Band CA_41C Channel Bandwidth: 15MHz+15MHz	235.50mW
	LTE Band CA_41C Channel Bandwidth: 10MHz+20MHz	239.88mW
	LTE Band CA_41C Channel Bandwidth: 20MHz+10MHz	244.34mW
	LTE Band CA_41C Channel Bandwidth: 15MHz+20MHz	247.17mW
	LTE Band CA_41C Channel Bandwidth: 20MHz+15MHz	252.93mW

MAX. EIRP or EPR	LTE Band CA_41C Channel Bandwidth: 20MHz+20MHz	254.68mW
	LTE Band CA_41C-HPUE Channel Bandwidth: 5MHz+20MHz	459.20mW
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz+5MHz	446.66mW
	LTE Band CA_41C-HPUE Channel Bandwidth: 10MHz+15MHz	468.81mW
	LTE Band CA_41C-HPUE Channel Bandwidth: 15MHz+10MHz	469.89mW
	LTE Band CA_41C-HPUE Channel Bandwidth: 15MHz+15MHz	480.84mW
	LTE Band CA_41C-HPUE Channel Bandwidth: 10MHz+20MHz	478.63mW
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz+10MHz	487.53mW
	LTE Band CA_41C-HPUE Channel Bandwidth: 15MHz+20MHz	489.17mW
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz+15MHz	504.66mW
	LTE Band CA_41C-HPUE Channel Bandwidth: 20MHz+20MHz	501.19mW
	LTE Band CA_66B Channel Bandwidth: 5MHz+5MHz	321.37mW
	LTE Band CA_66B Channel Bandwidth: 5MHz+10MHz	322.85mW
	LTE Band CA_66B Channel Bandwidth: 5MHz+15MHz	327.34mW
	LTE Band CA_66B Channel Bandwidth: 10MHz+5MHz	325.09mW
	LTE Band CA_66B Channel Bandwidth: 15MHz+5MHz	329.61mW

MAX. EIRP or EPR	**LTE Band CA_66B Channel Bandwidth: 10MHz+10MHz**	325.84mW
ANTENNA TYPE	Monopole Antenna with 1.69 dBi gain for LTE7C Monopole Antenna with 1.69 dBi gain for LTE41C/LTE41C-HPUE Monopole Antenna with 3.09 dBi gain for LTE66B	
HW VERSION	P4.1	
SW VERSION	MODEMSA515M_03.18.00	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	N/A	
EXTREME TEMPERATURE	-40-85 ℃	
EXTREME VOLTAGE	EUT 3.8V - EUT 4.2V	

NOTE:

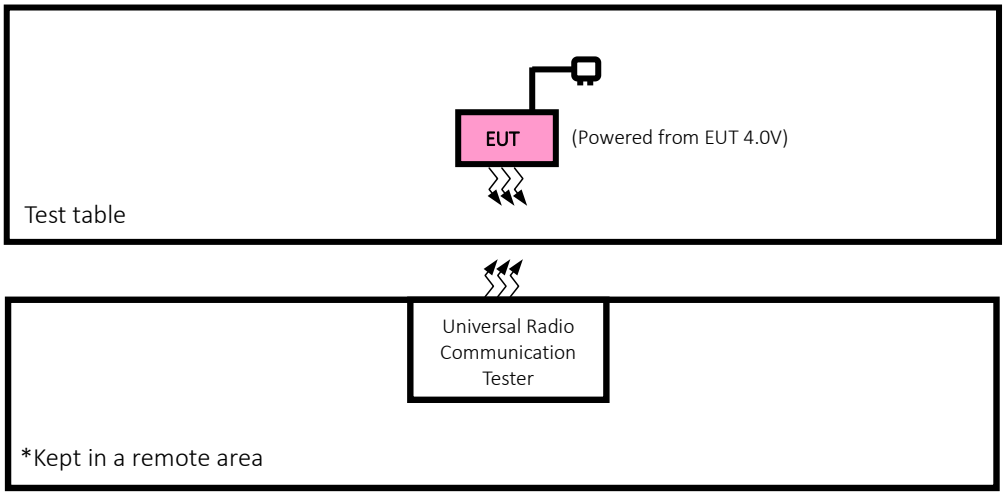
1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receiver.

MODULATION MODE	TX FUNCTION
LTE	1TX/4RX

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

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST



2.3 DESCRIPTION OF SUPPORT UNITS

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

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

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

2.4 TEST ITEM AND TEST CONFIGURATION

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

EUT CONFIGURE MODE	DESCRIPTION
A	**EUT + DC Source with LTE link**

LTE BAND CA_7C MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	AVAILABLE SCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(PCC)	MODE(SCC)
A	EIRP	20805 to 21206	20949 to 21350	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		20825 to 21277	20945 to 21397	Low, Middle, High	15MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		20825 to 21225	20975 to 21375	Low, Middle, High	15MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		20828 to 21179	20999 to 21350	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		20850 to 21251	20994 to 21395	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		20850 to 21201	21201 to 21372	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		20850 to 21152	21048 to 21350	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
A	OCCUPIED BANDWIDTH	20805 to 21206	20949 to 21350	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM	50RB/ 0RB Offset	100RB/ 0RB Offset
		20825 to 21277	20945 to 21397	Low, Middle, High	15MHz+10MHz	QPSK, 16QAM, 64QAM	75RB/ 0RB Offset	50RB/ 0RB Offset
		20825 to 21225	20975 to 21375	Low, Middle, High	15MHz+15MHz	QPSK, 16QAM, 64QAM	75RB/ 0RB Offset	75RB/ 0RB Offset
		20828 to 21179	20999 to 21350	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM	75RB/ 0RB Offset	100RB/ 0RB Offset
		20850 to 21251	20994 to 21395	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM	100RB/ 0RB Offset	50RB/ 0RB Offset
		20850 to 21201	21201 to 21372	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM	100RB/ 0RB Offset	75RB/ 0RB Offset
		20850 to 21152	21048 to 21350	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM, 64QAM	100RB/ 0RB Offset	100RB/ 0RB Offset
A	BAND EDGE	20805 to 21206	20949 to 21350	Low	10MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 49RB Offset	1RB/ 0RB Offset
							50RB/ 0RB Offset	100RB/ 0RB Offset
				High	10MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 49RB Offset	1RB/ 0RB Offset
							50RB/ 0RB Offset	100RB/ 0RB Offset
		20825 to 21277	20945 to 21397	Low	15MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 74RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	50RB/ 0RB Offset
				High	15MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 74RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	50RB/ 0RB Offset
		20825 to 21225	20975 to 21375	Low	15MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 74RB Offset	1RB/ 0RB Offset

							75RB/ 0RB Offset	75RB/ 0RB Offset
				High	15MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 74RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	75RB/ 0RB Offset
		20828 to 21179	20999 to 21350	Low	15MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	100RB/ 0RB Offset
				High	15MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	100RB/ 0RB Offset
		20850 to 21251	20994 to 21395	Low	20MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	50RB/ 0RB Offset
				High	20MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	50RB/ 0RB Offset
		20850 to 21201	21201 to 21372	Low	20MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	75RB/ 0RB Offset
				High	20MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	75RB/ 0RB Offset
		20850 to 21152	21048 to 21350	Low	20MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
				High	20MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
A	CONDCUDE TED EMISSION	20805 to 21206	20949 to 21350	Low, Middle, High	10MHz+20MHz	QPSK	1RB/ 49RB Offset	1RB/ 0RB Offset

		20825 to 21277	20945 to 21397	Low, Middle, High	15MHz+10MHz	QPSK	1RB/ 74RB Offset	1RB/ 0RB Offset
		20825 to 21225	20975 to 21375	Low, Middle, High	15MHz+15MHz	QPSK	1RB/ 74RB Offset	1RB/ 0RB Offset
		20828 to 21179	20999 to 21350	Low, Middle, High	15MHz+20MHz	QPSK	1RB/ 74RB Offset	1RB/ 0RB Offset
		20850 to 21251	20994 to 21395	Low, Middle, High	20MHz+10MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset
		20850 to 21201	21201 to 21372	Low, Middle, High	20MHz+15MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset
		20850 to 21152	21048 to 21350	Low, Middle, High	20MHz+20MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset
A	RADIATED EMISSION	20805 to 21206	20949 to 21350	Low, Middle, High	10MHz+20MHz	QPSK	1RB/ 49RB Offset	1RB/ 0RB Offset
		20825 to 21277	20945 to 21397	Middle	15MHz+10MHz	QPSK	1RB/ 74RB Offset	1RB/ 0RB Offset
		20825 to 21225	20975 to 21375	Middle	15MHz+15MHz	QPSK	1RB/ 74RB Offset	1RB/ 0RB Offset
		20828 to 21179	20999 to 21350	Middle	15MHz+20MHz	QPSK	1RB/ 74RB Offset	1RB/ 0RB Offset
		20850 to 21251	20994 to 21395	Middle	20MHz+10MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset
		20850 to 21201	21201 to 21372	Middle	20MHz+15MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset
		20850 to 21152	21048 to 21350	Middle	20MHz+20MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset

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

LTE BAND CA_41C MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	AVAILABLE SCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(PCC)	MODE(SCC)
A	EIRP	39750 to 41341	39921 to 41512	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		39728 to 41319	39899 to 41490	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		39750 to 41391	39894 to 41535	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		39705 to 41346	39849 to 41490	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		39725 to 41365	39875 to 41515	Low, Middle, High	15MHz +15MHz	QPSK, 16QAM, 64QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		39725 to 41417	39845 to 41537	Low, Middle, High	15MHz +10MHz	QPSK, 16QAM, 64QAM	1RB / 74RB Offset	1RB / 0RB Offset
		39703 to 41395	39823 to 41515	Low, Middle, High	10MHz +15MHz	QPSK, 16QAM, 64QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		39750 to 41440	39867 to 41557	Low, Middle, High	20MHz +5MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		39683 to 41373	39800 to 41490	Low, Middle, High	5MHz +20MHz	QPSK, 16QAM, 64QAM	1RB/ 24RB Offset	1RB/ 0RB Offset
		39750 to 41292	39948 to 41490	Low, Middle, High	20MHz +20MHz	QPSK, 16QAM, 64QAM	1RB / 99RB Offset 1RB / 0RB Offset	1RB/ 0RB Offset

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

LTE BAND CA_41C-HPUE MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	AVAILABLE SCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(PCC)	MODE(SCC)
A	EIRP	39750 to 41341	39921 to 41512	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		39728 to 41319	39899 to 41490	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		39750 to 41391	39894 to 41535	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		39705 to 41346	39849 to 41490	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		39725 to 41365	39875 to 41515	Low, Middle, High	15MHz +15MHz	QPSK, 16QAM, 64QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		39725 to 41417	39845 to 41537	Low, Middle, High	15MHz +10MHz	QPSK, 16QAM, 64QAM	1RB / 74RB Offset	1RB / 0RB Offset
		39703 to 41395	39823 to 41515	Low, Middle, High	10MHz +15MHz	QPSK, 16QAM, 64QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		39750 to 41440	39867 to 41557	Low, Middle, High	20MHz +5MHz	QPSK, 16QAM, 64QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		39683 to 41373	39800 to 41490	Low, Middle, High	5MHz +20MHz	QPSK, 16QAM, 64QAM	1RB/ 24RB Offset	1RB/ 0RB Offset
		39750 to 41292	39948 to 41490	Low, Middle, High	20MHz +20MHz	QPSK, 16QAM, 64QAM	1RB / 99RB Offset 1RB / 0RB Offset	1RB/ 0RB Offset
A	OCCUPIED BANDWIDTH	39750 to 41341	39921 to 41512	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM	100RB/ 0RB Offset	75RB/ 0RB Offset
		39728 to 41319	39899 to 41490	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM	75RB/ 0RB Offset	100RB/ 0RB Offset
		39750 to 41391	39894 to 41535	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM	100RB/ 0RB Offset	50RB/ 0RB Offset
		39705 to 41346	39849 to 41490	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM	50RB/ 0RB Offset	100RB/ 0RB Offset
		39725 to 41365	39875 to 41515	Low, Middle, High	15MHz +15MHz	QPSK, 16QAM, 64QAM	75RB/ 0RB Offset	75RB/ 0RB Offset
		39725 to 41417	39845 to 41537	Low, Middle, High	15MHz +10MHz	QPSK, 16QAM, 64QAM	75RB/ 0RB Offset	50RB/ 0RB Offset
		39703 to 41395	39823 to 41515	Low, Middle, High	10MHz +15MHz	QPSK, 16QAM, 64QAM	50RB/ 0RB Offset	75RB/ 0RB Offset
		39750 to 41440	39867 to 41557	Low, Middle, High	20MHz +5MHz	QPSK, 16QAM, 64QAM	100RB/ 0RB Offset	25RB/ 0RB Offset
		39683 to 41373	39800 to 41490	Low, Middle, High	5MHz +20MHz	QPSK, 16QAM, 64QAM	25RB/ 0RB Offset	100RB/ 0RB Offset

		39750 to 41292	39948 to 41490	Low, Middle, High	20MHz +20MHz		100RB/ 0RB Offset	100RB/ 0RB Offset
A	BAND EDGE	39750 to 41341	39921 to 41512	Low	20MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	75RB/ 0RB Offset
				High	20MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	75RB/ 0RB Offset
		39728 to 41319	39899 to 41490	Low	15MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 99RB Offset t
							1RB/ 74RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	100RB/ 0RB Offset
				High	15MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 74RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	100RB/ 0RB Offset
		39750 to 41391	39894 to 41535	Low	20MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	50RB/ 0RB Offset
				High	20MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	50RB/ 0RB Offset
A		39705 to 41346	39849 to 41490	Low	10MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 49RB Offset	1RB/ 0RB Offset
							50RB/ 0RB Offset	100RB/ 0RB Offset
				High	10MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 49RB Offset	1RB/ 0RB Offset
							50RB/ 0RB Offset	100RB/ 0RB Offset
	BAND EDGE	39725 to 41365	39875 to 41515	Low	15MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 74RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	75RB/ 0RB Offset
				High	15MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 74RB Offset	1RB/ 0RB Offset

							75RB/ 0RB Offset	75RB/ 0RB Offset
		39725 to 41417	39845 to 41537	Low	15MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 74RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	50RB/ 0RB Offset
				High	15MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 74RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	50RB/ 0RB Offset
		39703 to 41395	39823 to 41515	Low	10MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 49RB Offset	1RB/ 0RB Offset
							50RB/ 0RB Offset	75RB/ 0RB Offset
				High	10MHz+15MHz		1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 49RB Offset	1RB/ 0RB Offset
							50RB/ 0RB Offset	75RB/ 0RB Offset
		39750 to 41440	39867 to 41557	Low	20MHz+5MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 24RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	25RB/ 0RB Offset
				High	20MHz+5MHz		1RB/ 0RB Offset	1RB/ 24RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	25RB/ 0RB Offset
		39683 to 41373	39800 to 41490	Low	5MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 24RB Offset	1RB/ 0RB Offset
							25RB/ 0RB Offset	100RB/ 0RB Offset
				High	5MHz+20MHz		1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 24RB Offset	1RB/ 0RB Offset
							25RB/ 0RB Offset	100RB/ 0RB Offset
		39750 to 41292	39948 to 41490	Low	20MHz+20MHz	QPSK, 16QAM, 64QAM	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	CONDCUDETED EMISSION	39750 to 41341	39921 to 41512	Low, Middle, High	20MHz+15MHz	QPSK,	1RB/ 99RB Offset	1RB/ 0RB Offset
		39728 to 41319	39899 to 41490	Low, Middle, High	15MHz+20MHz	QPSK,	1RB/ 74RB Offset	1RB/ 0RB Offset
		39750 to 41391	39894 to 41535	Low, Middle, High	20MHz+10MHz	QPSK,	1RB/ 99RB Offset	1RB/ 0RB Offset
		39705 to 41346	39849 to 41490	Low, Middle, High	10MHz+20MHz	QPSK,	1RB/ 49RB Offset	1RB/ 0RB Offset
		39725 to 41365	39875 to 41515	Low, Middle, High	15MHz +15MHz	QPSK,	1RB/ 74RB Offset	1RB/ 0RB Offset
		39725 to 41417	39845 to 41537	Low, Middle, High	15MHz +10MHz	QPSK,	1RB / 74RB Offset	1RB / 0RB Offset
		39703 to 41395	39823 to 41515	Low, Middle, High	10MHz +15MHz	QPSK,	1RB/ 49RB Offset	1RB/ 0RB Offset
		39750 to 41440	39867 to 41557	Low, Middle, High	20MHz +5MHz	QPSK,	1RB/ 99RB Offset	1RB/ 0RB Offset
		39683 to 41373	39800 to 41490	Low, Middle, High	5MHz +20MHz	QPSK,	1RB/ 24RB Offset	1RB/ 0RB Offset
		39750 to 41341	39921 to 41512	Low, Middle, High	20MHz+15MHz	QPSK,	1RB / 99RB Offset 1RB / 0RB Offset	1RB/ 0RB Offset
A	RADIATED EMISSION	39750 to 41341	39921 to 41512	Middle	20MHz+15MHz	QPSK,	1RB/ 99RB Offset	1RB/ 0RB Offset
		39728 to 41319	39899 to 41490	Middle,	15MHz+20MHz	QPSK,	1RB/ 74RB Offset	1RB/ 0RB Offset
		39750 to 41391	39894 to 41535	Middle	20MHz+10MHz	QPSK,	1RB/ 99RB Offset	1RB/ 0RB Offset
		39705 to 41346	39849 to 41490	Middle	10MHz+20MHz	QPSK,	1RB/ 49RB Offset	1RB/ 0RB Offset
		39725 to 41365	39875 to 41515	Middle,	15MHz +15MHz	QPSK,	1RB/ 74RB Offset	1RB/ 0RB Offset
		39725 to 41417	39845 to 41537	Low, Middle, High	15MHz +10MHz	QPSK,	1RB / 74RB Offset	1RB / 0RB Offset
		39703 to 41395	39823 to 41515	Middle	10MHz +15MHz	QPSK,	1RB/ 49RB Offset	1RB/ 0RB Offset
		39750 to 41440	39867 to 41557	Middle,	20MHz +5MHz	QPSK,	1RB/ 99RB Offset	1RB/ 0RB Offset
		39683 to 41373	39800 to 41490	Middle	5MHz +20MHz	QPSK,	1RB/ 24RB Offset	1RB/ 0RB Offset

		39750 to 41341	39921 to 41512	Middle,	20MHz+15MHz	QPSK,	1RB / 99RB Offset 1RB / 0RB 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. The Band CA_41C-HPUE included Band CA_41C.

LTE BAND CA_66B MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	AVAILABLE SCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(PCC)	MODE(SCC)
A	EIRP	131997 to 132599	132045 to 132647	Low, Middle, High	5MHz+5MHz	QPSK, 16QAM, 64QAM	1RB/ 24RB Offset	1RB/ 0RB Offset
		132000 to 132550	132072 to 132622	Low, Middle, High	5MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 24RB Offset	1RB/ 0RB Offset
		132022 to 132572	132094 to 132644	Low, Middle, High	10MHz+5MHz	QPSK, 16QAM, 64QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		132002 to 132504	132095 to 132597	Low, Middle, High	5MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 24RB Offset	1RB/ 0RB Offset
		132047 to 132549	132140 to 132642	Low, Middle, High	15MHz+5MHz	QPSK, 16QAM, 64QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		132022 to 132523	132121 to 132622	Low, Middle, High	10MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB&1RB/ 49RB Offset	1RB/ 49RB&0RB/ 0RB&1RB/ 0RB Offset
A	OCCUPIED BANDWIDTH	131997 to 132599	132045 to 132647	Low, Middle, High	5MHz+5MHz	QPSK, 16QAM, 64QAM	25RB/ 0RB Offset	25RB/ 0RB Offset
		132000 to 132550	132072 to 132622	Low, Middle, High	5MHz+10MHz	QPSK, 16QAM, 64QAM	25RB/ 0RB Offset	100RB/ 0RB Offset
		132022 to 132572	132094 to 132644	Low, Middle, High	10MHz+5MHz	QPSK, 16QAM, 64QAM	50RB/ 0RB Offset	25RB/ 0RB Offset
		132002 to 132504	132095 to 132597	Low, Middle, High	5MHz+15MHz	QPSK, 16QAM, 64QAM	25RB/ 0RB Offset	75RB/ 0RB Offset
		132047 to 132549	132140 to 132642	Low, Middle, High	15MHz+5MHz	QPSK, 16QAM, 64QAM	75RB/ 0RB Offset	25RB/ 0RB Offset
		132022 to 132523	132121 to 132622	Low, Middle, High	10MHz+10MHz	QPSK, 16QAM, 64QAM	50RB/ 0RB Offset	50RB/ 0RB Offset
A	BAND EDGE	132005 to 132455	132122 to 132572	Low	5MHz+5MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 24RB Offset
							1RB/ 24RB Offset	1RB/ 0RB Offset
							25RB/ 0RB Offset	25RB/ 0RB Offset
				High	5MHz+5MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 24RB Offset
							1RB/ 24RB Offset	1RB/ 0RB Offset
							25RB/ 0RB Offset	25RB/ 0RB Offset
		132025 to 132477	132145 to 132597	Low	5MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 24RB Offset	1RB/ 0RB Offset
							25RB/ 0RB Offset	100RB/ 0RB Offset
				High	5MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 24RB Offset	1RB/ 0RB Offset

A	BAND EDGE						25RB/ 0RB Offset	50RB/ 0RB Offset
		132027 to 132428	132171 to 132572	Low	10MHz+5MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 24RB Offset
							1RB/ 49RB Offset	1RB/ 0RB Offset
							50RB/ 0RB Offset	25RB/ 0RB Offset
				High	10MHz+5MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 24RB Offset
							1RB/ 49RB Offset	1RB/ 0RB Offset
							50RB/ 0RB Offset	25RB/ 0RB Offset
		132047 to 132499	132167 to 132619	Low	5MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 24RB Offset	1RB/ 0RB Offset
							25RB/ 0RB Offset	75RB/ 0RB Offset
				High	5MHz+15MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 74RB Offset
							1RB/ 24RB Offset	1RB/ 0RB Offset
							25RB/ 0RB Offset	75RB/ 0RB Offset
		132047 to 132447	132197 to 132597	Low	15MHz+5MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 24RB Offset
							1RB/ 74RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	25RB/ 0RB Offset
				High	15MHz+5MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 24RB Offset
							1RB/ 74RB Offset	1RB/ 0RB Offset
							75RB/ 0RB Offset	25RB/ 0RB Offset
		132050 to 132401	132221 to 132572	Low	10MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 49RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	50RB/ 0RB Offset
				High	10MHz+10MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 49RB Offset
							1RB/ 49RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	50RB/ 0RB Offset
A	CONDCUDETED EMISSION	131997 to 132599	132045 to 132647	Low, Middle, High	5MHz+5MHz	QPSK,	1RB/ 24RB Offset	1RB/ 0RB Offset
		132000 to 132550	132072 to 132622	Low, Middle, High	5MHz+10MHz	QPSK,	1RB/ 24RB Offset	1RB/ 0RB Offset

		132022 to 132572	132094 to 132644	Low, Middle, High	10MHz+15MHz	QPSK,	1RB/ 49RB Offset	1RB/ 0RB Offset
		132002 to 132504	132095 to 132597	Low, Middle, High	5MHz+15MHz	QPSK,	1RB/ 24RB Offset	1RB/ 0RB Offset
		132047 to 132549	132140 to 132642	Low, Middle, High	15MHz+5MHz	QPSK,	1RB/ 74RB Offset	1RB/ 0RB Offset
		132022 to 132523	132121 to 132622	Low, Middle, High	10MHz+10MHz	QPSK,	1RB/ 0RB&1RB/ 49RB Offset	1RB/ 49RB&0RB/ 0RB&1RB/ 0RB Offset
A	RADIATED EMISSION	131997 to 132599	132045 to 132647	Low, Middle, High	5MHz+5MHz	QPSK,	1RB/ 24RB Offset	1RB/ 0RB Offset
		132000 to 132550	132072 to 132622	Middle	5MHz+10MHz	QPSK,	1RB/ 24RB Offset	1RB/ 0RB Offset
		132022 to 132572	132094 to 132644	Middle	10MHz+15MHz	QPSK,	1RB/ 49RB Offset	1RB/ 0RB Offset
		132002 to 132504	132095 to 132597	Middle	5MHz+15MHz	QPSK,	1RB/ 24RB Offset	1RB/ 0RB Offset
		132047 to 132549	132140 to 132642	Middle	15MHz+5MHz	QPSK,	1RB/ 74RB Offset	1RB/ 0RB Offset
		132022 to 132523	132121 to 132622	Middle	10MHz+10MHz	QPSK,	1RB/ 0RB&1RB/ 49RB Offset	1RB/ 49RB&0RB/ 0RB&1RB/ 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
EIRP	23deg. C, 70%RH	EUT 4.0V	Jace Hu
FREQUENCY STABILITY	23deg. C, 70%RH	EUT 4.0V	James Fu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	EUT 4.0V	James Fu
BAND EDGE	23deg. C, 70%RH	EUT 4.0V	James Fu
CONDUCTED EMISSION	23deg. C, 70%RH	EUT 4.0V	James Fu
RADIATED EMISSION	23deg. C, 70%RH	EUT 4.0V	Jace Hu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	EUT 4.0V	James Fu

2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC 47 CFR Part 2

FCC 47 CFR Part 27

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI/TIA/EIA-603-D

ANSI/TIA/EIA-603-E

ANSI C63.26-2015

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

3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

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

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP

3.1.2 TEST PROCEDURES

EIRP MEASUREMENT:

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

ERP or EIRP = $P_{Meas} + G_T – L_C$

Where:

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

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

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

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

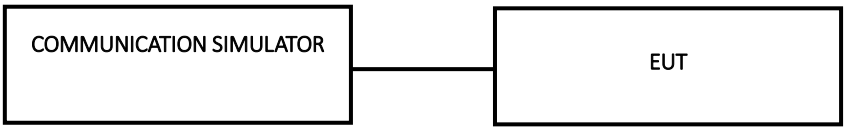
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

CONDUCTED POWER MEASUREMENT:

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

3.1.3 TEST SETUP

CONDUCTED POWER MEASUREMENT:



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

3.1.4 TEST RESULTS

AVERAGE CONDUCTED OUTPUT POWER (dBm)

LTE Band CA_7C

CA_7C								
Combination 10MHz+20MHz (50RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20805	20949	QPSK	1	99	1	0	2	21.80
		16QAM	1	99	1	0	2	20.92
		64QAM	1	99	1	0	2	20.36
21006	21150	QPSK	1	99	1	0	2	21.67
		16QAM	1	99	1	0	2	20.91
		64QAM	1	99	1	0	2	20.07
21206	21350	QPSK	1	99	1	0	2	21.29
		16QAM	1	99	1	0	2	20.67
		64QAM	1	99	1	0	2	20.06
Combination 15MHz+10MHz (75RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20825	20975	QPSK	1	74	1	0	2	21.76
		16QAM	1	74	1	0	2	20.86
		64QAM	1	74	1	0	2	20.34
21051	21171	QPSK	1	74	1	0	2	21.61
		16QAM	1	74	1	0	2	20.87
		64QAM	1	74	1	0	2	19.99
21277	21397	QPSK	1	74	1	0	2	21.19
		16QAM	1	74	1	0	2	20.61
		64QAM	1	74	1	0	2	20.00

CA_7C								
Combination 15MHz+15MHz (75RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20825	20975	QPSK	1	74	1	0	2	21.78
		16QAM	1	74	1	0	2	20.89
		64QAM	1	74	1	0	2	20.35
21025	21175	QPSK	1	74	1	0	2	21.64
		16QAM	1	74	1	0	2	20.89
		64QAM	1	74	1	0	2	20.03
21225	21375	QPSK	1	74	1	0	2	21.24
		16QAM	1	74	1	0	2	20.64
		64QAM	1	74	1	0	2	20.03
Combination 15MHz+20MHz (75RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20828	20999	QPSK	1	74	1	0	2	21.84
		16QAM	1	74	1	0	2	20.98
		64QAM	1	74	1	0	2	20.38
21003	21174	QPSK	1	74	1	0	2	21.73
		16QAM	1	74	1	0	2	20.95
		64QAM	1	74	1	0	2	20.15
21179	21350	QPSK	1	74	1	0	2	21.39
		16QAM	1	74	1	0	2	20.73
		64QAM	1	74	1	0	2	20.12

CA_7C								
Combination 20MHz+10MHz (100RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20850	20994	QPSK	1	99	1	0	2	21.82
		16QAM	1	99	1	0	2	20.95
		64QAM	1	99	1	0	2	20.37
21051	21195	QPSK	1	99	1	0	2	21.70
		16QAM	1	99	1	0	2	20.93
		64QAM	1	99	1	0	2	20.11
21251	21395	QPSK	1	99	1	0	2	21.34
		16QAM	1	99	1	0	2	20.70
		64QAM	1	99	1	0	2	20.09
Combination 20MHz+15MHz (100RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20850	21021	QPSK	1	99	1	0	2	21.86
		16QAM	1	99	1	0	2	21.01
		64QAM	1	99	1	0	2	20.39
21026	21197	QPSK	1	99	1	0	2	21.76
		16QAM	1	99	1	0	2	20.97
		64QAM	1	99	1	0	2	20.19
21201	21372	QPSK	1	99	1	0	2	21.44
		16QAM	1	99	1	0	2	20.76
		64QAM	1	99	1	0	2	20.15

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	0	1	99	1	12.67
			1	0	0	0	1	21.25
			1	99	1	0	2	22.07
		16QAM	1	0	1	99	1	12.36
			1	0	0	0	1	20.49
			1	99	1	0	2	21.39
		64QAM	1	0	1	99	1	12.08
			1	0	0	0	1	19.75
			1	99	1	0	2	20.58
21001	21199	QPSK	1	0	1	99	1	12.96
			1	0	0	0	1	21.18
			1	99	1	0	2	21.92
		16QAM	1	0	1	99	1	12.51
			1	0	0	0	1	20.63
			1	99	1	0	2	21.29
		64QAM	1	0	1	99	1	12.11
			1	0	0	0	1	19.87
			1	99	1	0	2	20.53
21152	21350	QPSK	1	0	1	99	1	12.65
			1	0	0	0	1	21.11
			1	99	1	0	2	22.04
		16QAM	1	0	1	99	1	12.33
			1	0	0	0	1	20.48
			1	99	1	0	2	21.12
		64QAM	1	0	1	99	1	11.98
			1	0	0	0	1	19.65
			1	99	1	0	2	20.31

LTE Band CA_41C

CA_41C								
Combination 5MHz+20MHz (25RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39683	39800	QPSK	1	99	1	0	2	22.17
		16QAM	1	99	1	0	2	21.11
		64QAM	1	99	1	0	2	20.08
40528	40645	QPSK	1	99	1	0	2	21.86
		16QAM	1	99	1	0	2	20.99
		64QAM	1	99	1	0	2	20.87
41373	41490	QPSK	1	99	1	0	2	21.43
		16QAM	1	99	1	0	2	20.73
		64QAM	1	99	1	0	2	19.57
Combination 10MHz+15MHz (50RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39703	39823	QPSK	1	99	1	0	2	22.02
		16QAM	1	99	1	0	2	20.92
		64QAM	1	99	1	0	2	19.97
40549	40669	QPSK	1	99	1	0	2	21.99
		16QAM	1	99	1	0	2	21.09
		64QAM	1	99	1	0	2	20.92
41395	41515	QPSK	1	99	1	0	2	21.52
		16QAM	1	99	1	0	2	20.77
		64QAM	1	99	1	0	2	19.72

CA_41C								
Combination 10MHz+20MHz (50RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39705	39849	QPSK	1	99	1	0	2	22.10
		16QAM	1	99	1	0	2	20.95
		64QAM	1	99	1	0	2	20.02
40526	40670	QPSK	1	99	1	0	2	22.11
		16QAM	1	99	1	0	2	21.18
		64QAM	1	99	1	0	2	21.01
41346	41490	QPSK	1	99	1	0	2	21.73
		16QAM	1	99	1	0	2	20.88
		64QAM	1	99	1	0	2	19.82
Combination 15MHz+10MHz (75RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39725	39845	QPSK	1	99	1	0	2	22.03
		16QAM	1	99	1	0	2	20.95
		64QAM	1	99	1	0	2	19.98
40571	40691	QPSK	1	99	1	0	2	22.03
		16QAM	1	99	1	0	2	21.09
		64QAM	1	99	1	0	2	21.00
41417	41537	QPSK	1	99	1	0	2	21.57
		16QAM	1	99	1	0	2	20.76
		64QAM	1	99	1	0	2	19.75

CA_41C								
Combination 15MHz+15MHz (75RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39725	39875	QPSK	1	99	1	0	2	22.03
		16QAM	1	99	1	0	2	20.97
		64QAM	1	99	1	0	2	19.99
40545	40695	QPSK	1	99	1	0	2	22.13
		16QAM	1	99	1	0	2	21.12
		64QAM	1	99	1	0	2	21.04
41365	41515	QPSK	1	99	1	0	2	21.65
		16QAM	1	99	1	0	2	20.85
		64QAM	1	99	1	0	2	19.77
Combination 15MHz+20MHz (75RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39728	39899	QPSK	1	99	1	0	2	22.14
		16QAM	1	99	1	0	2	21.03
		64QAM	1	99	1	0	2	20.02
40523	40694	QPSK	1	99	1	0	2	22.24
		16QAM	1	99	1	0	2	21.24
		64QAM	1	99	1	0	2	21.07
41319	41490	QPSK	1	99	1	0	2	21.82
		16QAM	1	99	1	0	2	20.94
		64QAM	1	99	1	0	2	19.93

CA_41C								
Combination 20MHz+10MHz (100RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39750	39894	QPSK	1	99	1	0	2	22.11
		16QAM	1	99	1	0	2	20.97
		64QAM	1	99	1	0	2	20.00
40571	40715	QPSK	1	99	1	0	2	22.19
		16QAM	1	99	1	0	2	21.21
		64QAM	1	99	1	0	2	21.11
41391	41535	QPSK	1	99	1	0	2	21.77
		16QAM	1	99	1	0	2	20.92
		64QAM	1	99	1	0	2	19.88
Combination 20MHz+15MHz (100RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39750	39921	QPSK	1	99	1	0	2	22.17
		16QAM	1	99	1	0	2	21.11
		64QAM	1	99	1	0	2	20.08
40546	40717	QPSK	1	99	1	0	2	22.15
		16QAM	1	99	1	0	2	21.12
		64QAM	1	99	1	0	2	20.04
41341	41512	QPSK	1	99	1	0	2	22.34
		16QAM	1	99	1	0	2	21.29
		64QAM	1	99	1	0	2	21.18

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	1	99	2	10.78
			1	0	0	0	1	21.80
			1	99	1	0	2	22.37
		16QAM	1	0	1	99	2	10.67
			1	0	0	0	1	20.78
			1	99	1	0	2	21.32
		64QAM	1	0	1	99	2	10.54
			1	0	0	0	1	19.85
			1	99	1	0	2	20.27
40521	40719	QPSK	1	0	1	99	2	12.93
			1	0	0	0	1	21.43
			1	99	1	0	2	21.93
		16QAM	1	0	1	99	2	12.80
			1	0	0	0	1	20.23
			1	99	1	0	2	21.11
		64QAM	1	0	1	99	2	12.71
			1	0	0	0	1	19.08
			1	99	1	0	2	20.34
41292	41490	QPSK	1	0	1	99	2	11.15
			1	0	0	0	1	21.91
			1	99	1	0	2	22.23
		16QAM	1	0	1	99	2	10.80
			1	0	0	0	1	20.83
			1	99	1	0	2	21.29
		64QAM	1	0	1	99	2	10.57
			1	0	0	0	1	19.77
			1	99	1	0	2	20.34

LTE Band CA_41C-HUPE

CA_41C-HUPE								
Combination 5MHz+20MHz (25RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39683	39800	QPSK	1	99	1	0	2	24.93
		16QAM	1	99	1	0	2	23.83
		64QAM	1	99	1	0	2	22.94
40528	40645	QPSK	1	99	1	0	2	24.86
		16QAM	1	99	1	0	2	23.99
		64QAM	1	99	1	0	2	23.87
41373	41490	QPSK	1	99	1	0	2	24.43
		16QAM	1	99	1	0	2	23.73
		64QAM	1	99	1	0	2	22.57
Combination 10MHz+15MHz (50RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39703	39823	QPSK	1	99	1	0	2	25.02
		16QAM	1	99	1	0	2	23.92
		64QAM	1	99	1	0	2	22.97
40549	40669	QPSK	1	99	1	0	2	24.99
		16QAM	1	99	1	0	2	24.09
		64QAM	1	99	1	0	2	23.92
41395	41515	QPSK	1	99	1	0	2	24.52
		16QAM	1	99	1	0	2	23.77
		64QAM	1	99	1	0	2	22.72

CA_41C-HUPE								
Combination 10MHz+20MHz (50RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39705	39849	QPSK	1	99	1	0	2	25.10
		16QAM	1	99	1	0	2	23.95
		64QAM	1	99	1	0	2	23.02
40526	40670	QPSK	1	99	1	0	2	25.11
		16QAM	1	99	1	0	2	24.18
		64QAM	1	99	1	0	2	24.01
41346	41490	QPSK	1	99	1	0	2	24.73
		16QAM	1	99	1	0	2	23.88
		64QAM	1	99	1	0	2	22.82
Combination 15MHz+10MHz (75RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39725	39845	QPSK	1	99	1	0	2	25.03
		16QAM	1	99	1	0	2	23.95
		64QAM	1	99	1	0	2	22.98
40571	40691	QPSK	1	99	1	0	2	25.03
		16QAM	1	99	1	0	2	24.09
		64QAM	1	99	1	0	2	24.00
41417	41537	QPSK	1	99	1	0	2	24.57
		16QAM	1	99	1	0	2	23.76
		64QAM	1	99	1	0	2	22.75

CA_41C-HUPE								
Combination 15MHz+15MHz (75RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39725	39875	QPSK	1	99	1	0	2	25.03
		16QAM	1	99	1	0	2	23.97
		64QAM	1	99	1	0	2	22.99
40545	40695	QPSK	1	99	1	0	2	25.13
		16QAM	1	99	1	0	2	24.12
		64QAM	1	99	1	0	2	24.04
41365	41515	QPSK	1	99	1	0	2	24.65
		16QAM	1	99	1	0	2	23.85
		64QAM	1	99	1	0	2	22.77
Combination 15MHz+20MHz (75RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39728	39899	QPSK	1	99	1	0	2	25.14
		16QAM	1	99	1	0	2	24.03
		64QAM	1	99	1	0	2	23.02
40523	40694	QPSK	1	99	1	0	2	25.24
		16QAM	1	99	1	0	2	24.24
		64QAM	1	99	1	0	2	24.07
41319	41490	QPSK	1	99	1	0	2	24.82
		16QAM	1	99	1	0	2	23.94
		64QAM	1	99	1	0	2	22.93

CA_41C-HUPE								
Combination 20MHz+10MHz (100RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39750	39894	QPSK	1	99	1	0	2	25.11
		16QAM	1	99	1	0	2	23.97
		64QAM	1	99	1	0	2	23.00
40571	40715	QPSK	1	99	1	0	2	25.19
		16QAM	1	99	1	0	2	24.21
		64QAM	1	99	1	0	2	24.11
41391	41535	QPSK	1	99	1	0	2	24.77
		16QAM	1	99	1	0	2	23.92
		64QAM	1	99	1	0	2	22.88
Combination 20MHz+15MHz (100RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39750	39921	QPSK	1	99	1	0	2	25.17
		16QAM	1	99	1	0	2	24.11
		64QAM	1	99	1	0	2	23.08
40546	40717	QPSK	1	99	1	0	2	25.34
		16QAM	1	99	1	0	2	24.29
		64QAM	1	99	1	0	2	24.18
41341	41512	QPSK	1	99	1	0	2	24.94
		16QAM	1	99	1	0	2	23.99
		64QAM	1	99	1	0	2	23.03

CA_41C-HUPE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	1	99	2	13.76
			1	0	0	0	1	24.77
			1	99	1	0	2	25.31
		16QAM	1	0	1	99	2	13.65
			1	0	0	0	1	23.75
			1	99	1	0	2	24.31
		64QAM	1	0	1	99	2	13.49
			1	0	0	0	1	22.83
			1	99	1	0	2	23.19
40521	40719	QPSK	1	0	1	99	2	15.91
			1	0	0	0	1	24.37
			1	99	1	0	2	24.92
		16QAM	1	0	1	99	2	15.76
			1	0	0	0	1	23.17
			1	99	1	0	2	24.04
		64QAM	1	0	1	99	2	15.63
			1	0	0	0	1	22.06
			1	99	1	0	2	23.33
41292	41490	QPSK	1	0	1	99	2	14.10
			1	0	0	0	1	24.90
			1	99	1	0	2	25.18
		16QAM	1	0	1	99	2	13.78
			1	0	0	0	1	23.76
			1	99	1	0	2	24.26
		64QAM	1	0	1	99	2	13.55
			1	0	0	0	1	22.71
			1	99	1	0	2	23.32

LTE Band CA_66B

CA_66B								
Combination 5MHz+5MHz (25RB+25RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
131997	132045	QPSK	1	24	1	0	2	21.98
		16QAM	1	24	1	0	2	21.20
		64QAM	1	24	1	0	2	20.58
132398	132446	QPSK	1	24	1	0	2	21.97
		16QAM	1	24	1	0	2	21.61
		64QAM	1	24	1	0	2	20.67
132599	132647	QPSK	1	24	1	0	2	21.87
		16QAM	1	24	1	0	2	21.55
		64QAM	1	24	1	0	2	20.66
Combination 5MHz+10MHz (25RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
132000	132072	QPSK	1	24	1	0	2	22.00
		16QAM	1	24	1	0	2	21.23
		64QAM	1	24	1	0	2	20.59
132375	132447	QPSK	1	24	1	0	2	22.00
		16QAM	1	24	1	0	2	21.63
		64QAM	1	24	1	0	2	20.71
132550	132622	QPSK	1	24	1	0	2	21.92
		16QAM	1	24	1	0	2	21.58
		64QAM	1	24	1	0	2	20.69

CA_66B								
Combination 5MHz+15MHz (25RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
132002	132095	QPSK	1	24	1	0	2	22.04
		16QAM	1	24	1	0	2	21.29
		64QAM	1	24	1	0	2	20.61
132353	132446	QPSK	1	24	1	0	2	22.06
		16QAM	1	24	1	0	2	21.67
		64QAM	1	24	1	0	2	20.79
132504	132597	QPSK	1	24	1	0	2	22.02
		16QAM	1	24	1	0	2	21.64
		64QAM	1	24	1	0	2	20.75
Combination 10MHz+5MHz (50RB+25RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
132022	132094	QPSK	1	49	1	0	2	22.02
		16QAM	1	49	1	0	2	21.26
		64QAM	1	49	1	0	2	20.60
132397	132469	QPSK	1	49	1	0	2	22.03
		16QAM	1	49	1	0	2	21.65
		64QAM	1	49	1	0	2	20.75
132572	132644	QPSK	1	49	1	0	2	21.97
		16QAM	1	49	1	0	2	21.61
		64QAM	1	49	1	0	2	20.72

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	2	22.06
		16QAM	1	74	1	0	2	21.32
		64QAM	1	74	1	0	2	20.62
132398	132491	QPSK	1	74	1	0	2	22.09
		16QAM	1	74	1	0	2	21.69
		64QAM	1	74	1	0	2	20.83
132549	132642	QPSK	1	74	1	0	2	22.07
		16QAM	1	74	1	0	2	21.67
		64QAM	1	74	1	0	2	20.78

CA_66B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132022	132121	QPSK	1	0	1	49	1	11.16
			1	0	0	0	1	20.87
			1	49	1	0	2	21.98
		16QAM	1	0	1	49	1	10.37
			1	0	0	0	1	20.55
			1	49	1	0	2	21.61
		64QAM	1	0	1	49	1	9.59
			1	0	0	0	1	20.02
			1	49	1	0	2	21.14
132373	132472	QPSK	1	0	1	49	1	11.21
			1	0	0	0	1	20.95
			1	49	1	0	2	22.04
		16QAM	1	0	1	49	1	10.48
			1	0	0	0	1	20.63
			1	49	1	0	2	21.66
		64QAM	1	0	1	49	1	9.71
			1	0	0	0	1	20.14
			1	49	1	0	2	21.22
132523	132622	QPSK	1	0	1	49	1	11.25
			1	0	0	0	1	20.99
			1	49	1	0	2	21.26
		16QAM	1	0	1	49	1	10.47
			1	0	0	0	1	20.63
			1	49	1	0	2	21.01
		64QAM	1	0	1	49	1	9.42
			1	0	0	0	1	20.24
			1	49	1	0	2	20.83

ERP/EIRP
LTE BAND CA_7C
CHANNEL BANDWIDTH: 10MHz+20MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20805	2505.5	20949	2519.9	21.8	1.69	23.49	223.36	2
21006	2525.6	21150	2540.0	21.67	1.69	23.36	216.77	2
21206	2545.6	21350	2560.0	21.29	1.69	22.98	198.61	2

CHANNEL BANDWIDTH: 10MHz+20MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20805	2505.5	20949	2519.9	20.92	1.69	22.61	182.39	2
21006	2525.6	21150	2540.0	20.91	1.69	22.6	181.97	2
21206	2545.6	21350	2560.0	20.67	1.69	22.36	172.19	2

CHANNEL BANDWIDTH: 10MHz+20MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20805	2505.5	20949	2519.9	20.36	1.69	22.05	160.32	2
21006	2525.6	21150	2540.0	20.07	1.69	21.76	149.97	2
21206	2545.6	21350	2560.0	20.06	1.69	21.75	149.62	2

CHANNEL BANDWIDTH: 15MHz+10MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	20945	2519.5	21.76	1.69	23.45	221.31	2
21051	2530.1	21171	2542.1	21.61	1.69	23.3	213.8	2
21227	2552.7	21397	2564.7	21.19	1.69	22.88	194.09	2

CHANNEL BANDWIDTH: 15MHz+10MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	20945	2519.5	20.86	1.69	22.55	179.89	2
21051	2530.1	21171	2542.1	20.87	1.69	22.56	180.3	2
21227	2552.7	21397	2564.7	20.61	1.69	22.3	169.82	2

CHANNEL BANDWIDTH: 15MHz+10MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	20945	2519.5	20.34	1.69	22.03	159.59	2
21051	2530.1	21171	2542.1	19.99	1.69	21.68	147.23	2
21227	2552.7	21397	2564.7	20	1.69	21.69	147.57	2

CHANNEL BANDWIDTH: 15MHz+15MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	2522.5	2502.5	21.78	1.69	23.47	222.33	2
21025	2527.5	2542.5	2535.0	21.64	1.69	23.33	215.28	2
21225	2547.5	2562.5	2567.5	21.24	1.69	22.93	196.34	2

CHANNEL BANDWIDTH: 15MHz+15MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	2522.5	2502.5	20.89	1.69	22.58	181.13	2
21025	2527.5	2542.5	2535.0	20.89	1.69	22.58	181.13	2
21225	2547.5	2562.5	2567.5	20.64	1.69	22.33	171	2

CHANNEL BANDWIDTH: 15MHz+15MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	2522.5	2502.5	20.35	1.69	22.04	159.96	2
21025	2527.5	2542.5	2535.0	20.03	1.69	21.72	148.59	2
21225	2547.5	2562.5	2567.5	20.03	1.69	21.72	148.59	2

CHANNEL BANDWIDTH: 15MHz+20MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20828	2507.8	20975	2522.5	21.84	1.69	23.53	225.42	2
21003	2525.3	21175	2542.5	21.73	1.69	23.42	219.79	2
21179	2542.9	21375	2562.5	21.39	1.69	23.08	203.24	2

CHANNEL BANDWIDTH: 15MHz+20MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20828	2507.8	20975	2522.5	20.98	1.69	22.67	184.93	2
21003	2525.3	21175	2542.5	20.95	1.69	22.64	183.65	2
21179	2542.9	21375	2562.5	20.73	1.69	22.42	174.58	2

CHANNEL BANDWIDTH: 15MHz+20MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20828	2507.8	20975	2522.5	20.38	1.69	22.07	161.06	2
21003	2525.3	21175	2542.5	20.15	1.69	21.84	152.76	2
21179	2542.9	21375	2562.5	20.12	1.69	21.81	151.71	2

CHANNEL BANDWIDTH: 20MHz+10MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	20994	2524.4	21.82	1.69	23.51	224.39	2
21051	2530.1	21195	2544.5	21.7	1.69	23.39	218.27	2
21251	2550.1	21395	2564.5	21.34	1.69	23.03	200.91	2

CHANNEL BANDWIDTH: 20MHz+10MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	20994	2524.4	20.95	1.69	22.64	183.65	2
21051	2530.1	21195	2544.5	20.93	1.69	22.62	182.81	2
21251	2550.1	21395	2564.5	20.7	1.69	22.39	173.38	2

CHANNEL BANDWIDTH: 20MHz+10MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	20994	2524.4	20.37	1.69	22.06	160.69	2
21051	2530.1	21195	2544.5	20.11	1.69	21.8	151.36	2
21251	2550.1	21395	2564.5	20.09	1.69	21.78	150.66	2

CHANNEL BANDWIDTH: 20MHz+15MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21021	2527.1	21.86	1.69	23.55	226.46	2
21026	2527.6	21197	2544.7	21.76	1.69	23.45	221.31	2
21201	2545.1	21372	2562.2	21.44	1.69	23.13	205.59	2

CHANNEL BANDWIDTH: 20MHz+15MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21021	2527.1	21.01	1.69	22.7	186.21	2
21026	2527.6	21197	2544.7	20.97	1.69	22.66	184.5	2
21201	2545.1	21372	2562.2	20.76	1.69	22.45	175.79	2

CHANNEL BANDWIDTH: 20MHz+15MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21021	2527.1	20.39	1.69	22.08	161.44	2
21026	2527.6	21197	2544.7	20.19	1.69	21.88	154.17	2
21201	2545.1	21372	2562.2	20.15	1.69	21.84	152.76	2

CHANNEL BANDWIDTH: 20MHz+20MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21048	2529.8	22.07	1.69	23.76	237.68	2
21001	2525.1	21199	2544.9	21.92	1.69	23.61	229.61	2
21206	2540.2	21350	2560.0	22.04	1.69	23.73	236.05	2

CHANNEL BANDWIDTH: 20MHz+20MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21048	2529.8	21.39	1.69	23.08	203.24	2
21001	2525.1	21199	2544.9	21.29	1.69	22.98	198.61	2
21206	2540.2	21350	2560.0	21.12	1.69	22.81	190.99	2

CHANNEL BANDWIDTH: 20MHz+20MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21048	2529.8	20.58	1.69	22.27	168.66	2
21001	2525.1	21199	2544.9	20.53	1.69	22.22	166.72	2
21206	2540.2	21350	2560.0	20.31	1.69	22	158.49	2

LTE BAND CA_41C

LTE BAND CA_41C 5M+20M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39683	2499.3	39800	2511	21.93	1.69	23.62	230.14	2
40528	2583.8	40645	2595.5	21.86	1.69	23.55	226.46	2
41373	2668.3	41490	2680	21.43	1.69	23.12	205.12	2
LTE BAND CA_41C 5M+20M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39683	2499.3	39800	2511	20.83	1.69	22.52	178.65	2
40528	2583.8	40645	2595.5	20.99	1.69	22.68	185.35	2
41373	2668.3	41490	2680	20.73	1.69	22.42	174.58	2
LTE BAND CA_41C 5M+20M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39683	2499.3	39800	2511	19.94	1.69	21.63	145.55	2
40528	2583.8	40645	2595.5	19.87	1.69	21.56	143.22	2
41373	2668.3	41490	2680	19.57	1.69	21.26	133.66	2

LTE BAND CA_41C 20M+5M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39867	2517.7	22	1.69	23.69	233.88	2
40595	2590.5	40712	2602.2	21.98	1.69	23.67	232.81	2
41440	2675	41557	2686.7	21.48	1.69	23.17	207.49	2
LTE BAND CA_41C 20M+5M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39867	2517.7	20.89	1.69	22.58	181.13	2
40595	2590.5	40712	2602.2	21.03	1.69	22.72	187.07	2
41440	2675	41557	2686.7	20.76	1.69	22.45	175.79	2
LTE BAND CA_41C 20M+5M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39867	2517.7	19.96	1.69	21.65	146.22	2
40595	2590.5	40712	2602.2	19.95	1.69	21.64	145.88	2
41440	2675	41557	2686.7	19.62	1.69	21.31	135.21	2

LTE BAND CA_41C 10M+15M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39703	2501.3	39823	2513.3	22.02	1.69	23.71	234.96	2
40549	2585.9	40669	2597.9	21.99	1.69	23.68	233.35	2
41395	2670.5	41515	2682.5	21.52	1.69	23.21	209.41	2
LTE BAND CA_41C 10M+15M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39703	2501.3	39823	2513.3	20.92	1.69	22.61	182.39	2
40549	2585.9	40669	2597.9	21.09	1.69	22.78	189.67	2
41395	2670.5	41515	2682.5	20.77	1.69	22.46	176.2	2
LTE BAND CA_41C 10M+15M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39703	2501.3	39823	2513.3	19.97	1.69	21.66	146.55	2
40549	2585.9	40669	2597.9	19.92	1.69	21.61	144.88	2
41395	2670.5	41515	2682.5	19.72	1.69	21.41	138.36	2

LTE BAND CA_41C 15M+10M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2503.5	39845	2515.5	22.03	1.69	23.72	235.5	2
40571	2588.1	40691	2600.1	22.03	1.69	23.72	235.5	2
41417	2672.7	41537	2684.7	21.57	1.69	23.26	211.84	2
LTE BAND CA_41C 15M+10M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2503.5	39845	2515.5	20.95	1.69	22.64	183.65	2
40571	2588.1	40691	2600.1	21.09	1.69	22.78	189.67	2
41417	2672.7	41537	2684.7	20.76	1.69	22.45	175.79	2
LTE BAND CA_41C 15M+10M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2503.5	39845	2515.5	19.98	1.69	21.67	146.89	2
40571	2588.1	40691	2600.1	20	1.69	21.69	147.57	2
41417	2672.7	41537	2684.7	19.75	1.69	21.44	139.32	2

LTE BAND CA_41C 15M+15M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2496	39875	2511	22.03	1.69	23.72	235.5	2
40545	2585.5	40695	2600.5	22.13	1.69	23.82	240.99	2
41365	2667.5	41515	2682.5	21.65	1.69	23.34	215.77	2
LTE BAND CA_41C 15M+15M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2496	39875	2511	20.97	1.69	22.66	184.5	2
40545	2585.5	40695	2600.5	21.12	1.69	22.81	190.99	2
41365	2667.5	41515	2682.5	20.85	1.69	22.54	179.47	2
LTE BAND CA_41C 15M+15M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2496	39875	2511	19.99	1.69	21.68	147.23	2
40545	2585.5	40695	2600.5	20.04	1.69	21.73	148.94	2
41365	2667.5	41515	2682.5	19.77	1.69	21.46	139.96	2

LTE BAND CA_41C 10M+20M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39705	2501.5	39849	2515.9	22.1	1.69	23.79	239.33	2
40526	2583.6	40670	2598	22.11	1.69	23.8	239.88	2
41346	2665.6	41490	2680	21.73	1.69	23.42	219.79	2
LTE BAND CA_41C 10M+20M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39705	2501.5	39849	2515.9	20.95	1.69	22.64	183.65	2
40526	2583.6	40670	2598	21.18	1.69	22.87	193.64	2
41346	2665.6	41490	2680	20.88	1.69	22.57	180.72	2
LTE BAND CA_41C 10M+20M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39705	2501.5	39849	2515.9	20.02	1.69	21.71	148.25	2
40526	2583.6	40670	2598	20.01	1.69	21.7	147.91	2
41346	2665.6	41490	2680	19.82	1.69	21.51	141.58	2

LTE BAND CA_41C 20M+10M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39894	2520.4	22.11	1.69	23.8	239.88	2
40571	2588.1	40715	2602.5	22.19	1.69	23.88	244.34	2
41391	2670.1	41535	2684.5	21.77	1.69	23.46	221.82	2
LTE BAND CA_41C 20M+10M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39894	2520.4	20.97	1.69	22.66	184.5	2
40571	2588.1	40715	2602.5	21.21	1.69	22.9	194.98	2
41391	2670.1	41535	2684.5	20.92	1.69	22.61	182.39	2
LTE BAND CA_41C 20M+10M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39894	2520.4	20	1.69	21.69	147.57	2
40571	2588.1	40715	2602.5	20.11	1.69	21.8	151.36	2
41391	2670.1	41535	2684.5	19.88	1.69	21.57	143.55	2

LTE BAND CA_41C 15M+20M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39728	2503.8	39899	2520.9	22.14	1.69	23.83	241.55	2
40523	2583.3	40694	2600.4	22.24	1.69	23.93	247.17	2
41319	2662.9	41490	2680	21.82	1.69	23.51	224.39	2
LTE BAND CA_41C 15M+20M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39728	2503.8	39899	2520.9	21.03	1.69	22.72	187.07	2
40523	2583.3	40694	2600.4	21.24	1.69	22.93	196.34	2
41319	2662.9	41490	2680	20.94	1.69	22.63	183.23	2
LTE BAND CA_41C 15M+20M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39728	2503.8	39899	2520.9	20.02	1.69	21.71	148.25	2
40523	2583.3	40694	2600.4	20.07	1.69	21.76	149.97	2
41319	2662.9	41490	2680	19.93	1.69	21.62	145.21	2

LTE BAND CA_41C 20M+15M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39921	2523.1	22.17	1.69	23.86	243.22	2
40546	2585.6	40717	2602.7	22.34	1.69	24.03	252.93	2
41341	2665.1	41512	2682.2	21.94	1.69	23.63	230.67	2
LTE BAND CA_41C 20M+15M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39921	2523.1	21.11	1.69	22.8	190.55	2
40546	2585.6	40717	2602.7	21.29	1.69	22.98	198.61	2
41341	2665.1	41512	2682.2	20.99	1.69	22.68	185.35	2
LTE BAND CA_41C 20M+15M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39921	2523.1	20.08	1.69	21.77	150.31	2
40546	2585.6	40717	2602.7	20.18	1.69	21.87	153.82	2
41341	2665.1	41512	2682.2	20.03	1.69	21.72	148.59	2

LTE BAND CA_41C 20M+20M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39948	2525.8	22.37	1.69	24.06	254.68	2
40521	2583.1	40719	2602.9	21.93	1.69	23.62	230.14	2
41292	2660.2	41490	2680	22.23	1.69	23.92	246.6	2
LTE BAND CA_41C 20M+20M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39948	2525.8	21.32	1.69	23.01	199.99	2
40521	2583.1	40719	2602.9	21.11	1.69	22.8	190.55	2
41292	2660.2	41490	2680	21.29	1.69	22.98	198.61	2
LTE BAND CA_41C 20M+20M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39948	2525.8	20.27	1.69	21.96	157.04	2
40521	2583.1	40719	2602.9	20.34	1.69	22.03	159.59	2
41292	2660.2	41490	2680	20.34	1.69	22.03	159.59	2

LTE BAND CA_41C-HPUE

LTE BAND CA_41C-HPUE 5M+20M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39683	2499.3	39800	2511	24.93	1.69	26.62	459.2	2
40528	2583.8	40645	2595.5	24.86	1.69	26.55	451.86	2
41373	2668.3	41490	2680	24.43	1.69	26.12	409.26	2
LTE BAND CA_41C-HPUE 5M+20M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39683	2499.3	39800	2511	23.83	1.69	25.52	356.45	2
40528	2583.8	40645	2595.5	23.99	1.69	25.68	369.83	2
41373	2668.3	41490	2680	23.73	1.69	25.42	348.34	2
LTE BAND CA_41C-HPUE 5M+20M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39683	2499.3	39800	2511	22.94	1.69	24.63	290.4	2
40528	2583.8	40645	2595.5	22.87	1.69	24.56	285.76	2
41373	2668.3	41490	2680	22.57	1.69	24.26	266.69	2

LTE BAND CA_41C-HPUE 20M+5M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39867	2517.7	25	1.69	26.69	466.66	2
40595	2590.5	40712	2602.2	24.98	1.69	26.67	464.52	2
41440	2675	41557	2686.7	24.48	1.69	26.17	414	2
LTE BAND CA_41C-HPUE 20M+5M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39867	2517.7	23.89	1.69	25.58	361.41	2
40595	2590.5	40712	2602.2	24.03	1.69	25.72	373.25	2
41440	2675	41557	2686.7	23.76	1.69	25.45	350.75	2
LTE BAND CA_41C-HPUE 20M+5M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39867	2517.7	22.96	1.69	24.65	291.74	2
40595	2590.5	40712	2602.2	22.95	1.69	24.64	291.07	2
41440	2675	41557	2686.7	22.62	1.69	24.31	269.77	2

LTE BAND CA_41C-HPUE 10M+15M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39703	2501.3	39823	2513.3	25.02	1.69	26.71	468.81	2
40549	2585.9	40669	2597.9	24.99	1.69	26.68	465.59	2
41395	2670.5	41515	2682.5	24.52	1.69	26.21	417.83	2
LTE BAND CA_41C-HPUE 10M+15M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39703	2501.3	39823	2513.3	23.92	1.69	25.61	363.92	2
40549	2585.9	40669	2597.9	24.09	1.69	25.78	378.44	2
41395	2670.5	41515	2682.5	23.77	1.69	25.46	351.56	2
LTE BAND CA_41C-HPUE 10M+15M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39703	2501.3	39823	2513.3	22.97	1.69	24.66	292.42	2
40549	2585.9	40669	2597.9	22.92	1.69	24.61	289.07	2
41395	2670.5	41515	2682.5	22.72	1.69	24.41	276.06	2

LTE BAND CA_41C-HPUE 15M+10M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2503.5	39845	2515.5	25.03	1.69	26.72	469.89	2
40571	2588.1	40691	2600.1	25.03	1.69	26.72	469.89	2
41417	2672.7	41537	2684.7	24.57	1.69	26.26	422.67	2
LTE BAND CA_41C-HPUE 15M+10M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2503.5	39845	2515.5	23.95	1.69	25.64	366.44	2
40571	2588.1	40691	2600.1	24.09	1.69	25.78	378.44	2
41417	2672.7	41537	2684.7	23.76	1.69	25.45	350.75	2
LTE BAND CA_41C-HPUE 15M+10M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2503.5	39845	2515.5	22.98	1.69	24.67	293.09	2
40571	2588.1	40691	2600.1	23	1.69	24.69	294.44	2
41417	2672.7	41537	2684.7	22.75	1.69	24.44	277.97	2

LTE BAND CA_41C-HPUE 15M+15M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2496	39875	2511	25.03	1.69	26.72	469.89	2
40545	2585.5	40695	2600.5	25.13	1.69	26.82	480.84	2
41365	2667.5	41515	2682.5	24.65	1.69	26.34	430.53	2
LTE BAND CA_41C-HPUE 15M+15M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2496	39875	2511	23.97	1.69	25.66	368.13	2
40545	2585.5	40695	2600.5	24.12	1.69	25.81	381.07	2
41365	2667.5	41515	2682.5	23.85	1.69	25.54	358.1	2
LTE BAND CA_41C-HPUE 15M+15M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39725	2496	39875	2511	22.99	1.69	24.68	293.76	2
40545	2585.5	40695	2600.5	23.04	1.69	24.73	297.17	2
41365	2667.5	41515	2682.5	22.77	1.69	24.46	279.25	2

LTE BAND CA_41C-HPUE 10M+20M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39705	2501.5	39849	2515.9	25.1	1.69	26.79	477.53	2
40526	2583.6	40670	2598	25.11	1.69	26.8	478.63	2
41346	2665.6	41490	2680	24.73	1.69	26.42	438.53	2
LTE BAND CA_41C-HPUE 10M+20M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39705	2501.5	39849	2515.9	23.95	1.69	25.64	366.44	2
40526	2583.6	40670	2598	24.18	1.69	25.87	386.37	2
41346	2665.6	41490	2680	23.88	1.69	25.57	360.58	2
LTE BAND CA_41C-HPUE 10M+20M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39705	2501.5	39849	2515.9	23.02	1.69	24.71	295.8	2
40526	2583.6	40670	2598	23.01	1.69	24.7	295.12	2
41346	2665.6	41490	2680	22.82	1.69	24.51	282.49	2

LTE BAND CA_41C-HPUE 20M+10M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39894	2520.4	25.11	1.69	26.8	478.63	2
40571	2588.1	40715	2602.5	25.19	1.69	26.88	487.53	2
41391	2670.1	41535	2684.5	24.77	1.69	26.46	442.59	2
LTE BAND CA_41C-HPUE 20M+10M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39894	2520.4	23.97	1.69	25.66	368.13	2
40571	2588.1	40715	2602.5	24.21	1.69	25.9	389.05	2
41391	2670.1	41535	2684.5	23.92	1.69	25.61	363.92	2
LTE BAND CA_41C-HPUE 20M+10M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39894	2520.4	23	1.69	24.69	294.44	2
40571	2588.1	40715	2602.5	23.11	1.69	24.8	302	2
41391	2670.1	41535	2684.5	22.88	1.69	24.57	286.42	2

LTE BAND CA_41C-HPUE 15M+20M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39728	2503.8	39899	2520.9	25.14	1.69	26.83	481.95	2
40523	2583.3	40694	2600.4	25.24	1.69	26.93	493.17	2
41319	2662.9	41490	2680	24.82	1.69	26.51	447.71	2
LTE BAND CA_41C-HPUE 15M+20M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39728	2503.8	39899	2520.9	24.03	1.69	25.72	373.25	2
40523	2583.3	40694	2600.4	24.24	1.69	25.93	391.74	2
41319	2662.9	41490	2680	23.94	1.69	25.63	365.59	2
LTE BAND CA_41C-HPUE 15M+20M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39728	2503.8	39899	2520.9	23.02	1.69	24.71	295.8	2
40523	2583.3	40694	2600.4	23.07	1.69	24.76	299.23	2
41319	2662.9	41490	2680	22.93	1.69	24.62	289.73	2

LTE BAND CA_41C-HPUE 20M+15M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39921	2523.1	25.17	1.69	26.86	485.29	2
40546	2585.6	40717	2602.7	25.34	1.69	27.03	504.66	2
41341	2665.1	41512	2682.2	24.94	1.69	26.63	460.26	2
LTE BAND CA_41C-HPUE 20M+15M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39921	2523.1	24.11	1.69	25.8	380.19	2
40546	2585.6	40717	2602.7	24.29	1.69	25.98	396.28	2
41341	2665.1	41512	2682.2	23.99	1.69	25.68	369.83	2
LTE BAND CA_41C-HPUE 20M+15M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39921	2523.1	23.08	1.69	24.77	299.92	2
40546	2585.6	40717	2602.7	23.18	1.69	24.87	306.9	2
41341	2665.1	41512	2682.2	23.03	1.69	24.72	296.48	2

LTE BAND CA_41C-HPUE 20M+20M QPSK								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39948	2525.8	25.31	1.69	27	501.19	2
40521	2583.1	40719	2602.9	24.92	1.69	26.61	458.14	2
41292	2660.2	41490	2680	25.18	1.69	26.87	486.41	2
LTE BAND CA_41C-HPUE 20M+20M 16QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39948	2525.8	24.31	1.69	26	398.11	2
40521	2583.1	40719	2602.9	24.04	1.69	25.73	374.11	2
41292	2660.2	41490	2680	24.26	1.69	25.95	393.55	2
LTE BAND CA_41C-HPUE 20M+20M 64QAM								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Lmit (W)
39750	2506	39948	2525.8	23.19	1.69	24.88	307.61	2
40521	2583.1	40719	2602.9	23.33	1.69	25.02	317.69	2
41292	2660.2	41490	2680	23.32	1.69	25.01	316.96	2

LTE BAND CA_66B

CHANNEL BANDWIDTH: 5MHz+5MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	132045	1717.3	21.98	3.09	25.07	321.37	1
132398	1752.6	132446	1757.4	21.97	3.09	25.06	320.63	1
132599	1772.7	132647	1777.5	21.87	3.09	24.96	313.33	1

CHANNEL BANDWIDTH: 5MHz+5MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	132045	1717.3	21.2	3.09	24.29	268.53	1
132398	1752.6	132446	1757.4	21.61	3.09	24.7	295.12	1
132599	1772.7	132647	1777.5	21.55	3.09	24.64	291.07	1

CHANNEL BANDWIDTH: 5MHz+5MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	132045	1717.3	20.58	3.09	23.67	232.81	1
132398	1752.6	132446	1757.4	20.67	3.09	23.76	237.68	1
132599	1772.7	132647	1777.5	20.66	3.09	23.75	237.14	1

CHANNEL BANDWIDTH: 5MHz+10MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132000	1712.8	132072	1720	22	3.09	25.09	322.85	1
132375	1750.3	132447	1757.5	22	3.09	25.09	322.85	1
132550	1767.8	132622	1775	21.92	3.09	25.01	316.96	1

CHANNEL BANDWIDTH: 5MHz+10MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132000	1712.8	132072	1720	21.23	3.09	24.32	270.4	1
132375	1750.3	132447	1757.5	21.63	3.09	24.72	296.48	1
132550	1767.8	132622	1775	21.58	3.09	24.67	293.09	1

CHANNEL BANDWIDTH: 5MHz+10MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132000	1712.8	132072	1720	20.59	3.09	23.68	233.35	1
132375	1750.3	132447	1757.5	20.71	3.09	23.8	239.88	1
132550	1767.8	132622	1775	20.69	3.09	23.78	238.78	1

CHANNEL BANDWIDTH: 5MHz+15MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132002	1713	132095	1722.3	22.04	3.09	25.13	325.84	1
132353	1748.1	132446	1757.4	22.06	3.09	25.15	327.34	1
132504	1763.2	132597	1772.5	22.02	3.09	25.11	324.34	1

CHANNEL BANDWIDTH: 5MHz+15MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132002	1713	132095	1722.3	21.29	3.09	24.38	274.16	1
132353	1748.1	132446	1757.4	21.67	3.09	24.76	299.23	1
132504	1763.2	132597	1772.5	21.64	3.09	24.73	297.17	1

CHANNEL BANDWIDTH: 5MHz+15MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132002	1713	132095	1722.3	20.61	3.09	23.7	234.42	1
132353	1748.1	132446	1757.4	20.79	3.09	23.88	244.34	1
132504	1763.2	132597	1772.5	20.75	3.09	23.84	242.1	1

CHANNEL BANDWIDTH: 10MHz+5MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	132094	1722.2	22.02	3.09	25.11	324.34	1
132397	1752.5	132469	1759.7	22.03	3.09	25.12	325.09	1
132572	1770	132644	1777.2	21.97	3.09	25.06	320.63	1

CHANNEL BANDWIDTH: 10MHz+5MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	132094	1722.2	21.26	3.09	24.35	272.27	1
132397	1752.5	132469	1759.7	21.65	3.09	24.74	297.85	1
132572	1770	132644	1777.2	21.61	3.09	24.7	295.12	1

CHANNEL BANDWIDTH: 10MHz+5MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	132094	1722.2	20.6	3.09	23.69	233.88	1
132397	1752.5	132469	1759.7	20.75	3.09	23.84	242.1	1
132572	1770	132644	1777.2	20.72	3.09	23.81	240.44	1

CHANNEL BANDWIDTH: 15MHz+5MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	132140	1726.8	22.06	3.09	25.15	327.34	1
132398	1752.6	132491	1761.9	22.09	3.09	25.18	329.61	1
132549	1767.7	132642	1777	22.07	3.09	25.16	328.1	1

CHANNEL BANDWIDTH: 15MHz+5MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	132140	1726.8	21.32	3.09	24.41	276.06	1
132398	1752.6	132491	1761.9	21.69	3.09	24.78	300.61	1
132549	1767.7	132642	1777	21.67	3.09	24.76	299.23	1

CHANNEL BANDWIDTH: 15MHz+5MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	132140	1726.8	20.62	3.09	23.71	234.96	1
132398	1752.6	132491	1761.9	20.83	3.09	23.92	246.6	1
132549	1767.7	132642	1777	20.78	3.09	23.87	243.78	1

CHANNEL BANDWIDTH: 10MHz+10MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	132121	1724.9	21.98	3.09	25.07	321.37	1
132373	1750.1	132472	1760	22.04	3.09	25.13	325.84	1
132523	1765.1	132622	1775	21.26	3.09	24.35	272.27	1

CHANNEL BANDWIDTH: 10MHz+10MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	132121	1724.9	21.61	3.09	24.7	295.12	1
132373	1750.1	132472	1760	21.66	3.09	24.75	298.54	1
132523	1765.1	132622	1775	21.01	3.09	24.1	257.04	1

CHANNEL BANDWIDTH: 10MHz+10MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	132121	1724.9	21.14	3.09	24.23	264.85	1
132373	1750.1	132472	1760	21.22	3.09	24.31	269.77	1
132523	1765.1	132622	1775	20.83	3.09	23.92	246.6	1

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILIITY MEASUREMENT

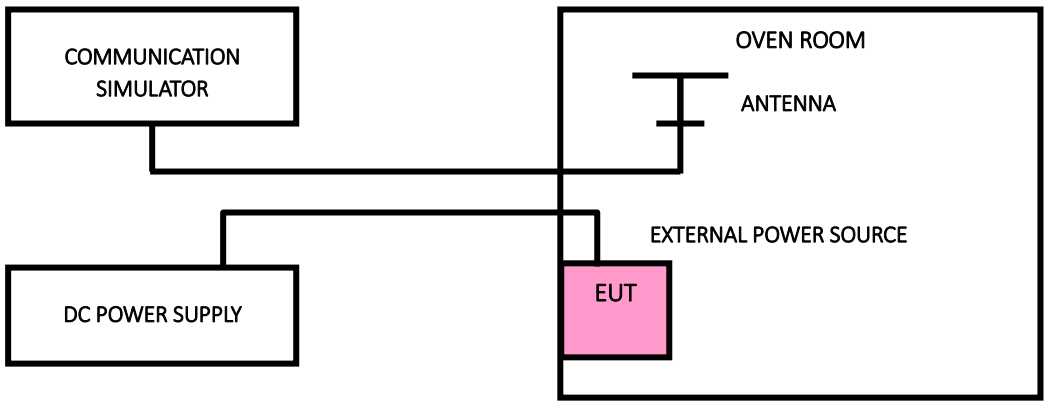
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

3.2.2 TEST PROCEDURE

a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
b. 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.
c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5℃ 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.

3.2.3 TEST SETUP



3.2.4 TEST RESULTS

Please Refer to Appendix A Of this test report.

LTE BAND CA_7C

LTE BAND CA_7C channel and Frequency List					
BW(MHz)	**Channel/Frequcncy(MHz)**		**Lowest**	**Middle**	**Highest**
10+20	PCC	channel	20805	21006	21206
		Frequcncy	2505.5	2525.6	2545.6
	SCC	channel	20949	21150	21350
		Frequcncy	2519.9	2540	2560
15+10	PCC	channel	20825	21051	21277
		Frequcncy	2507.5	2530.1	2552.7
	SCC	channel	20945	21171	21397
		Frequcncy	2519.5	2542.1	2564.7
15+15	PCC	channel	20825	21025	21225
		Frequcncy	2507.5	2527.5	2547.5
	SCC	channel	20975	21175	21375
		Frequcncy	2522.5	2542.5	2562.5
15+20	PCC	channel	20828	21003	21179
		Frequcncy	2507.8	2525.3	2542.9
	SCC	channel	20999	21174	21350
		Frequcncy	2524.9	2542.4	2560
20+10	PCC	channel	20850	21051	21251
		Frequcncy	2510	2530.1	2550.1
	SCC	channel	20994	21195	21395
		Frequcncy	2524.4	2544.5	2564.5
20+15	PCC	channel	20850	21026	21201
		Frequcncy	2510	2527.6	2545.1
	SCC	channel	21021	21197	21372
		Frequcncy	2527.1	2544.7	2562.2
20+20	PCC	channel	20850	21001	21152
		Frequcncy	2510	2525.1	2540.2
	SCC	channel	21048	21199	21350
		Frequcncy	2529.8	2544.9	2560

LTE BAND CA_41C/ CA_41C-HPUE

LTE BAND CA_41C/ CA_41C-HPUE channel and Frequency List					
BW(MHz)	Channel/Frequcncy(MHz)		Lowest	Middle	Highest
5+20	PCC	channel	39683	40528	41373
		Frequcncy	2499.3	2583.8	2668.3
	SCC	channel	39800	40645	41490
		Frequcncy	2511	2595.5	2680
10+15	PCC	channel	39703	40549	41395
		Frequcncy	2501.3	2585.9	2670.5
	SCC	channel	39823	40669	41515
		Frequcncy	2513.3	2597.9	2682.5
10+20	PCC	channel	39705	40526	41346
		Frequcncy	2501.5	2583.6	2665.6
	SCC	channel	39849	40670	41490
		Frequcncy	2515.9	2598.0	2680
15+10	PCC	channel	39725	40571	41417
		Frequcncy	2503.5	2588.1	2672.7
	SCC	channel	39845	40691	41537
		Frequcncy	2515.5	2600.1	2684.7
15+15	PCC	channel	39725	40545	41365
		Frequcncy	2503.5	2585.5	2667.5
	SCC	channel	39875	40695	41515
		Frequcncy	2518.5	2600.5	2682.5
15+20	PCC	channel	39728	40523	41319
		Frequcncy	2503.8	2583.3	2662.9
	SCC	channel	39899	40694	41490
		Frequcncy	2520.9	2600.4	2680
20+5	PCC	channel	39750	40595	41440
		Frequcncy	2506	2590.5	2675
	SCC	channel	39867	40712	41557
		Frequcncy	2517.7	2602.2	2686.7

20+10	PCC	channel	39750	40571	41391
		Frequcncy	2506	2588.1	2670.1
	SCC	channel	39894	40715	41535
		Frequcncy	2520.4	2602.5	2684.5
20+15	PCC	channel	39750	40546	41341
		Frequcncy	2506	2585.6	2665.1
	SCC	channel	39921	40717	41512
		Frequcncy	2523.1	2602.7	2682.2
20+20	PCC	channel	39750	40521	41292
		Frequcncy	2506	2583.1	2660.2
	SCC	channel	39948	40719	41490
		Frequcncy	2525.8	2602.9	2680

LTE BAND CA_66B

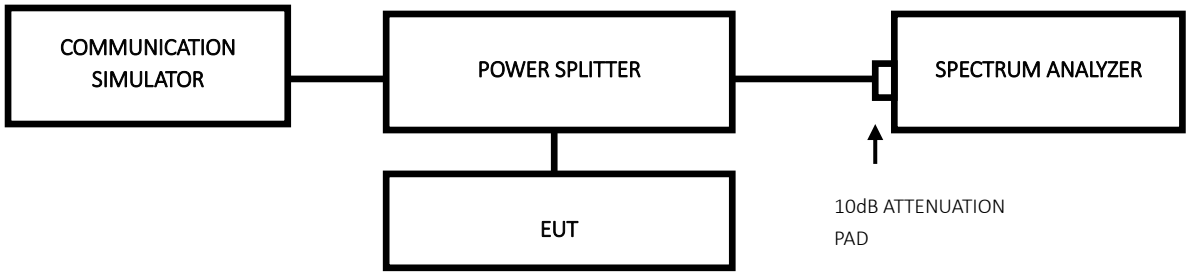
LTE BAND CA_66B channel and Frequency List					
BW(MHz)	Channel/Frequcncy(MHz)		Lowest	Middle	Highest
5+5	PCC	channel	131997	132398	132599
		Frequcncy	1712.5	1752.6	1772.7
	SCC	channel	132045	132446	132647
		Frequcncy	1717.3	1757.4	1777.5
5+10	PCC	channel	132000	132375	132550
		Frequcncy	1712.8	1750.3	1767.8
	SCC	channel	132072	132447	132622
		Frequcncy	1720	1757.5	1775
5+15	PCC	channel	132002	132353	132504
		Frequcncy	1713	1748.1	1763.2
	SCC	channel	132095	132446	132597
		Frequcncy	1722.3	1757.4	1772.5
10+5	PCC	channel	132022	132397	132572
		Frequcncy	1715	1752.5	1770
	SCC	channel	132094	132469	132644
		Frequcncy	1722.2	1759.7	1777.2
10+10	PCC	channel	132022	132373	132523
		Frequcncy	1715	1750.1	1765.1
	SCC	channel	132121	132472	132622
		Frequcncy	1724.9	1760	1775
15+5	PCC	channel	132047	132398	132549
		Frequcncy	1717.5	1752.6	1767.7
	SCC	channel	132140	132491	132642
		Frequcncy	1726.8	1761.9	1777

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF 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.

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

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

3.3.4 TEST RESULTS

Please Refer to Appendix A Of this test report.

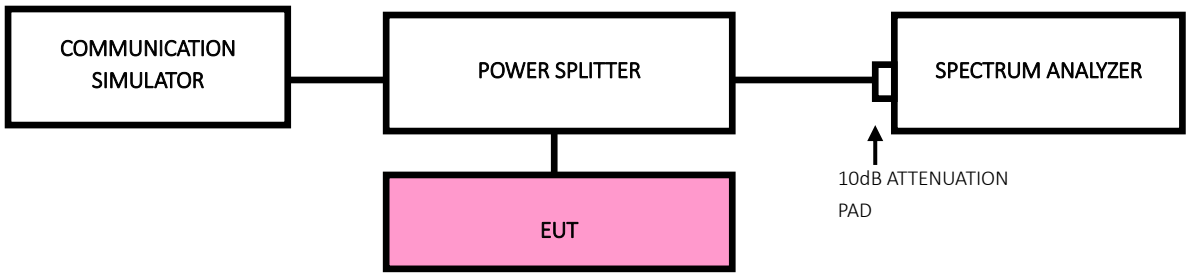
3.4 BAND EDGE MEASUREMENT

3.4.1 LIMITS OF BAND EDGE MEASUREMENT

According to FCC 27.53(h) specified that For operations in the 1710-1755 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

According to FCC 27.53(m)(4) specified that For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. For mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed.

3.4.2 TEST SETUP



3.4.3 TEST PROCEDURES

a. All measurements were done at low and high operational frequency range.

b. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz.
RBW of the spectrum is 10kHz and VBW of the spectrum is 30kHz (LTE bandwidth for (1.4M/3M/5M/10M/15M/20M)1RB/0RB&1RB/MAXRB).

c. The center frequency of spectrum is the band edge frequency and span is 10MHz.
RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz (WCDMA).

d. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz.
RBW of the spectrum is ≥1%*EBW kHz and VBW of the spectrum is 3*RBW kHz.
(LTE bandwidth 1.4M/3M/5M/10M/15M/20MHz).

e. Record the max trace plot into the test report.

3.4.4 TEST RESULTS

Please Refer to Appendix A Of this test report.

3.5 CONDUCTED SPURIOUS EMISSIONS

3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

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

For:LTE Band7C&Band41C

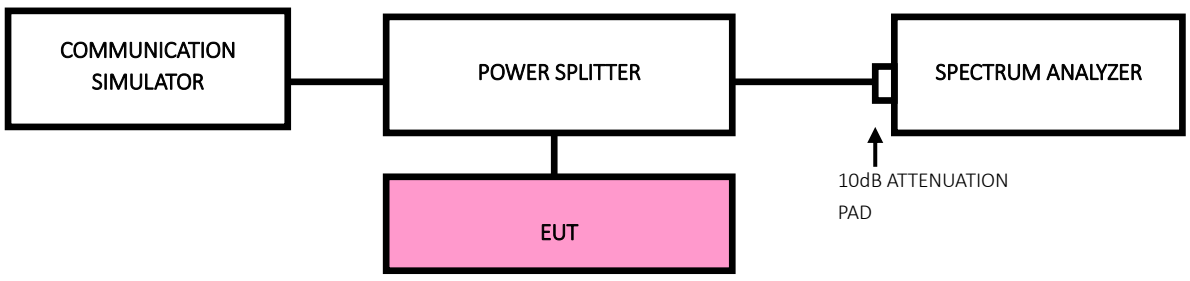
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 55 +10 log10(P) dB. The limit of emission is equal to -25dBm.

3.5.2 TEST PROCEDURE

a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.

b. Measuring frequency range is from 30MHz up to a frequency including its 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP



3.5.4 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.

Please Refer to Appendix A Of this test report.

3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

For:LTE Band7C&Band41C

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 55 +10 log10(P) dB. The limit of emission is equal to -25dBm.

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 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 horn 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, E.R.P power = E.I.P.R power - 2.15dBi.

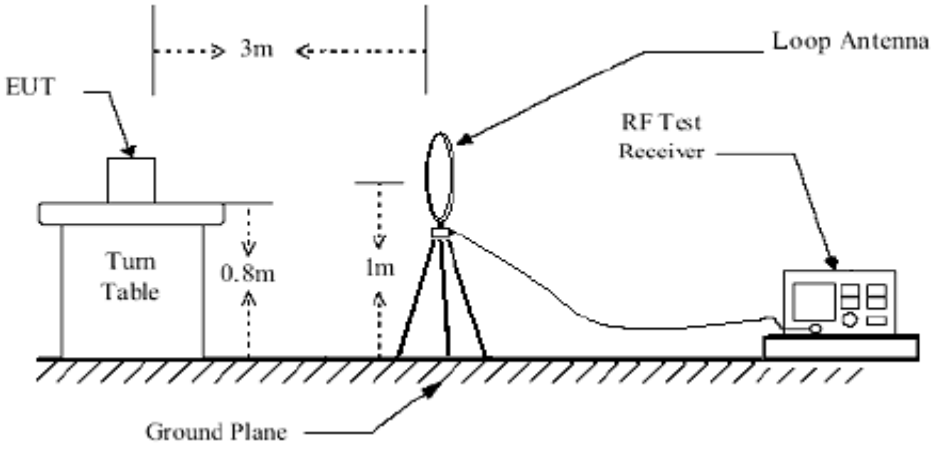
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

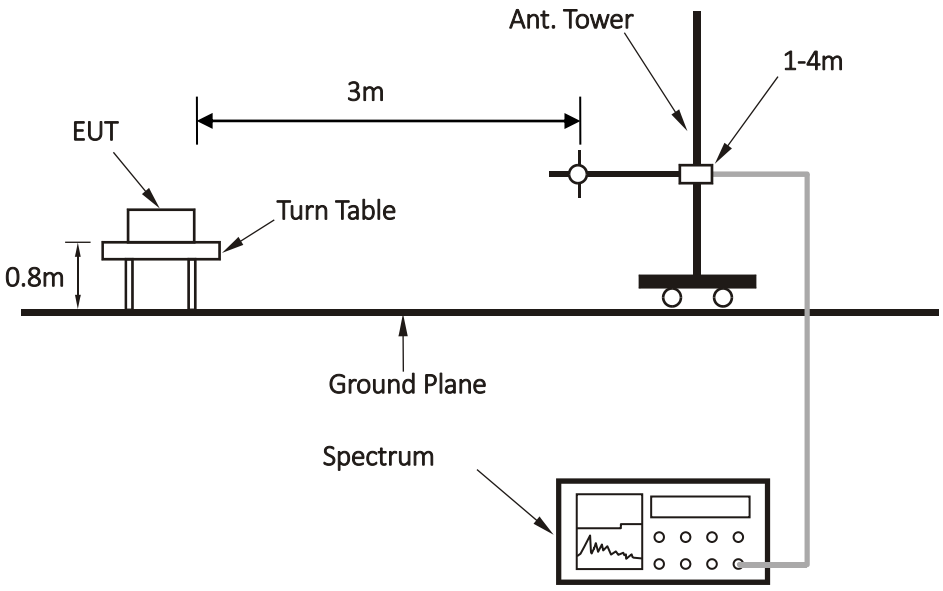
No deviation

3.6.4 TEST SETUP

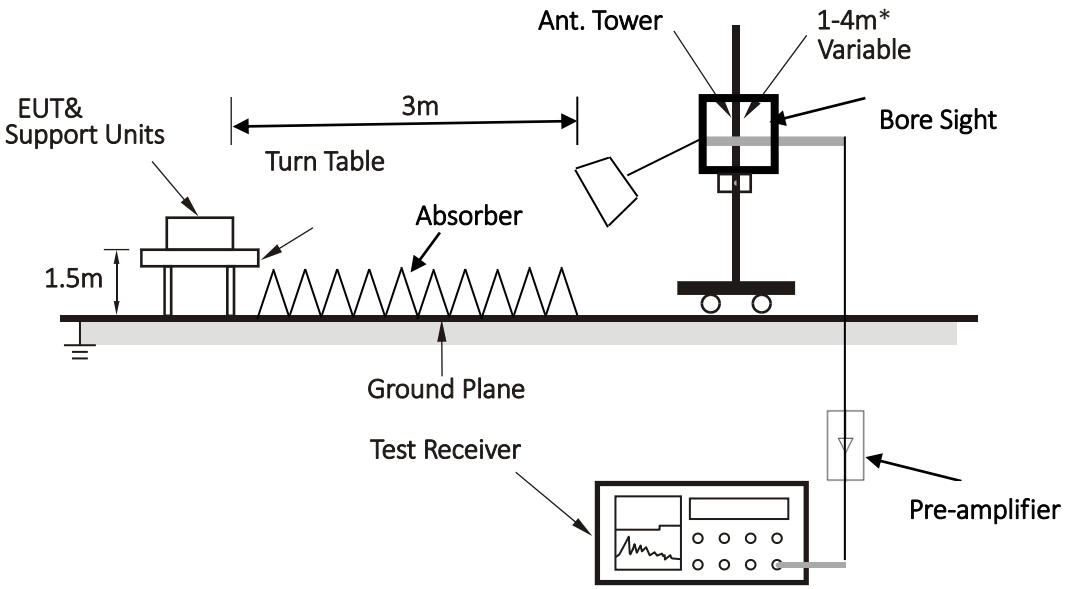
< Frequency Range below 30MHz >



< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

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.

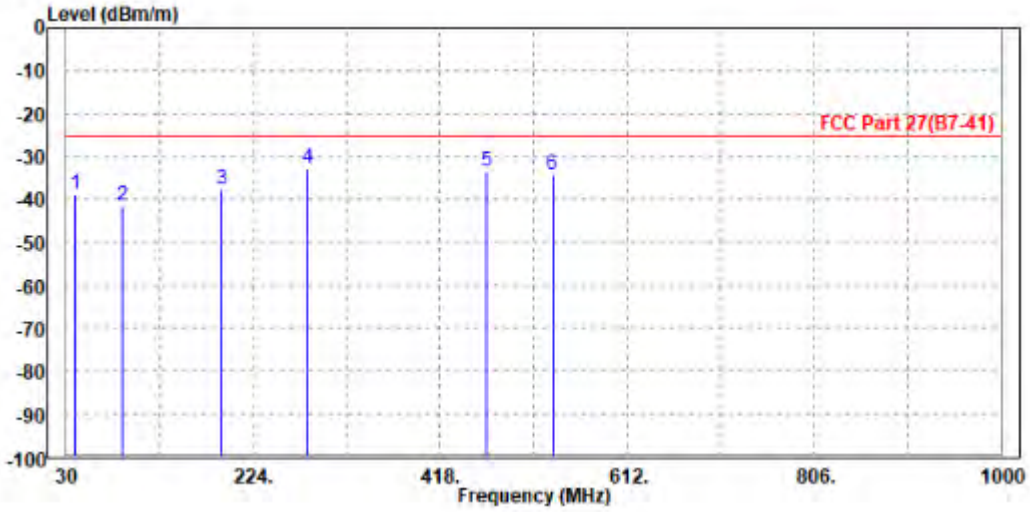
BELOW 1GHz WORST-CASE DATA

30 MHz – 1GHz data:

LTE Band 41C-HPUE
CHANNEL BANDWIDTH: 15MHz + 10MHz

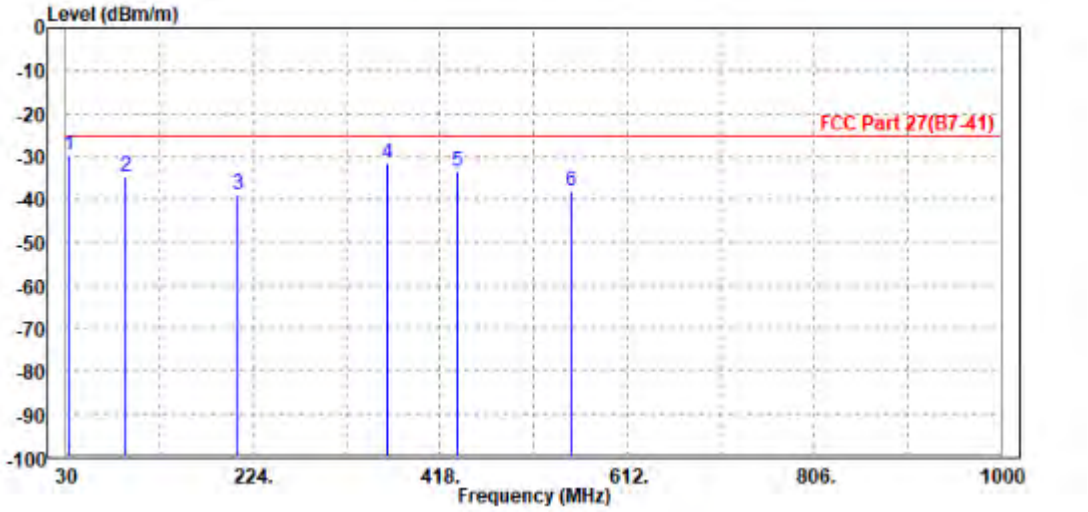
MODE	TX channel PCC 41417 TX channel SCC 41537	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	38.730	-38.85	-53.55	-25.00	-13.85	14.70	Peak	Horizontal
2	88.200	-41.32	-49.14	-25.00	-16.32	7.82	Peak	Horizontal
3	191.020	-37.58	-48.22	-25.00	-12.58	10.64	Peak	Horizontal
4 PP	280.260	-32.77	-46.45	-25.00	-7.77	13.68	Peak	Horizontal
5	465.530	-33.57	-51.65	-25.00	-8.57	18.08	Peak	Horizontal
6	534.400	-34.35	-53.74	-25.00	-9.35	19.39	Peak	Horizontal



MODE	TX channel PCC 41417	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 41537		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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 PP	31.940	-29.69	-49.04	-25.00	-4.69	19.35	Peak	Vertical
2	91.110	-34.61	-43.10	-25.00	-9.61	8.49	Peak	Vertical
3	208.480	-38.71	-50.60	-25.00	-13.71	11.89	Peak	Vertical
4	363.680	-31.68	-48.08	-25.00	-6.68	16.40	Peak	Vertical
5	436.430	-33.37	-51.26	-25.00	-8.37	17.89	Peak	Vertical
6	553.800	-37.83	-57.90	-25.00	-12.83	20.07	Peak	Vertical



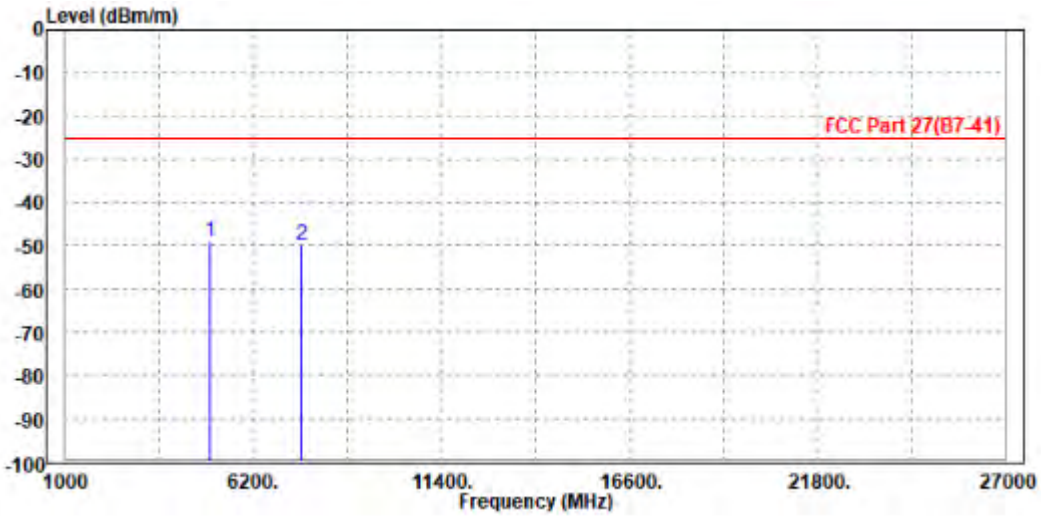
ABOVE 1GHz

Note: For higher frequency, the emission is too low to be detected.

LTE Band CA _7C
CHANNEL BANDWIDTH: 10 MHz + 20MHz

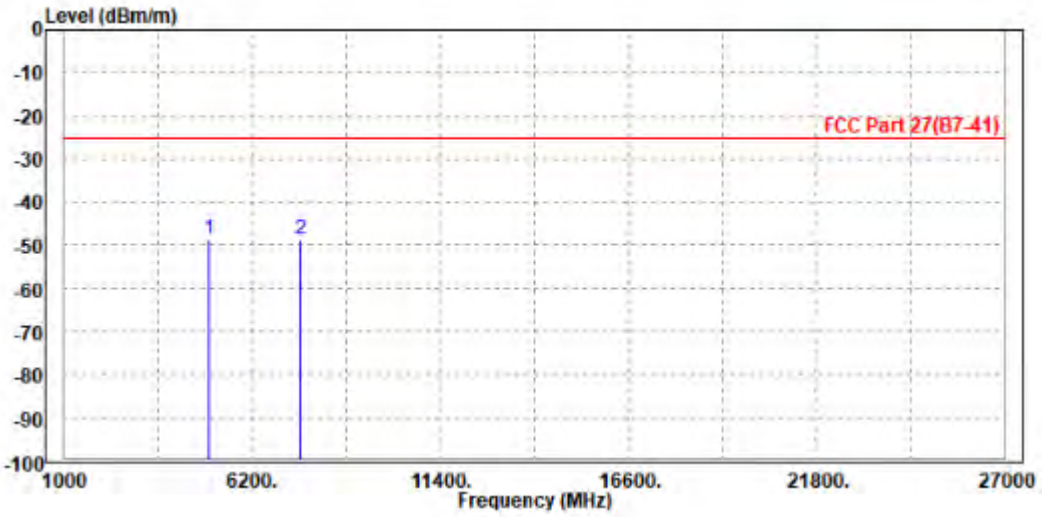
MODE	TX channel PCC 20850 TX channel SCC 20949	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5004.000	-49.03	-57.57	-25.00	-24.03	8.54	Peak	Horizontal
2	7516.500	-49.77	-61.14	-25.00	-24.77	11.37	Peak	Horizontal



MODE	TX channel PCC 20850	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 20949		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

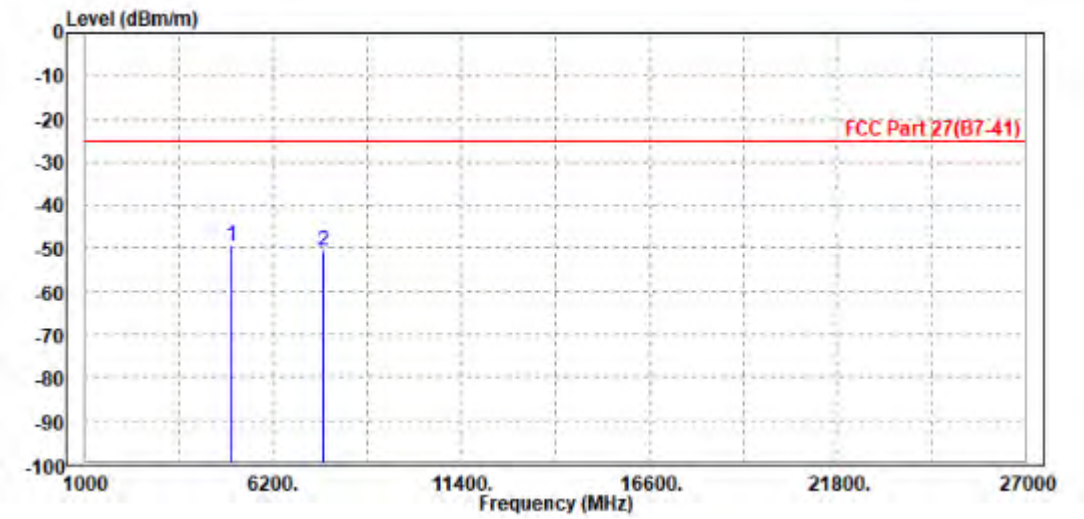
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5004.000	-48.52	-58.42	-25.00	-23.52	9.90	Peak	Vertical
2	7516.500	-48.54	-61.28	-25.00	-23.54	12.74	Peak	Vertical



CHANNEL BANDWIDTH: 10 MHz + 20MHz

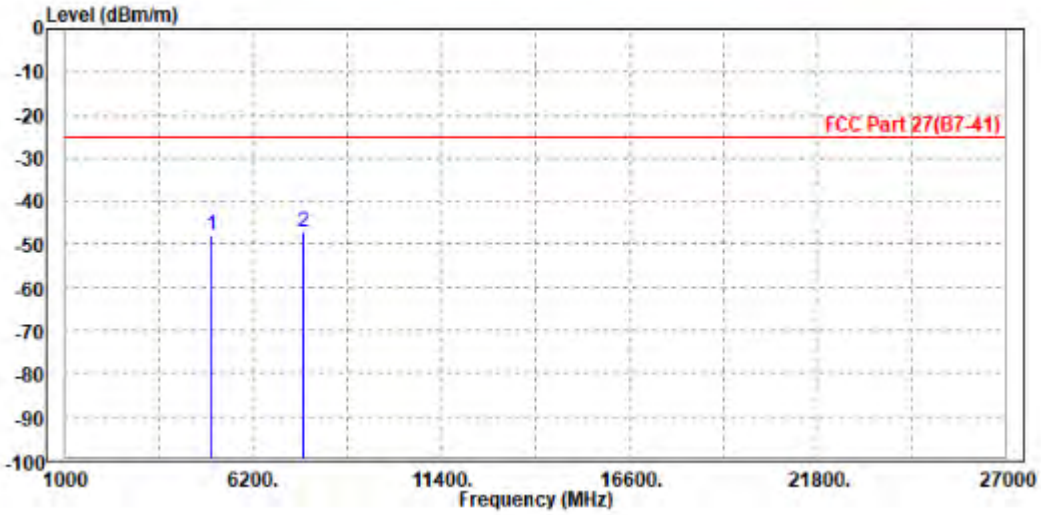
MODE	TX channel PCC 21006 TX channel SCC 21150	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-49.35	-58.04	-25.00	-24.35	8.69	Peak	Horizontal
2	7576.800	-50.65	-62.04	-25.00	-25.65	11.39	Peak	Horizontal



MODE	TX channel PCC 21006	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21150		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

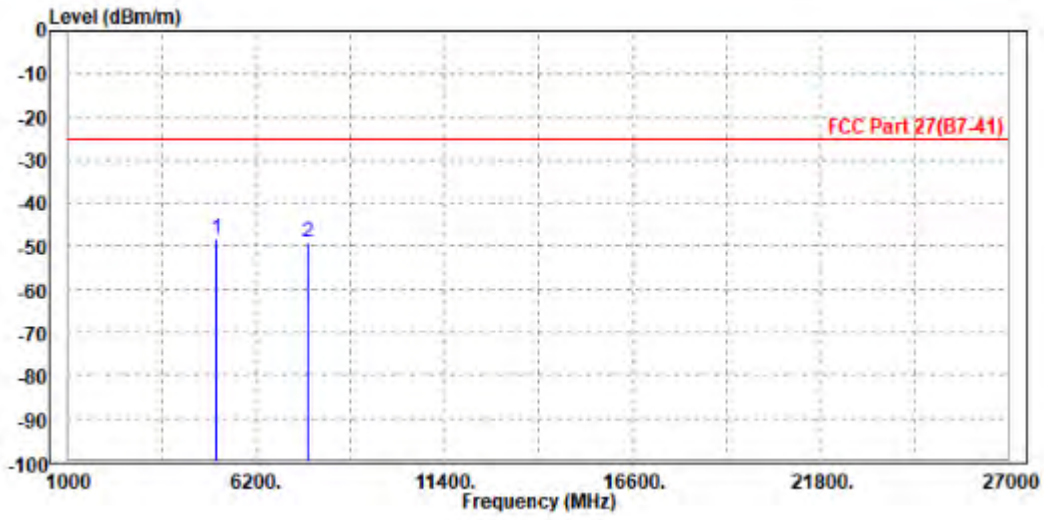
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5051.200	-48.09	-57.97	-25.00	-23.09	9.88	Peak	Vertical
2 PP	7578.000	-47.03	-59.80	-25.00	-22.03	12.77	Peak	Vertical



CHANNEL BANDWIDTH: 10 MHz + 20MHz

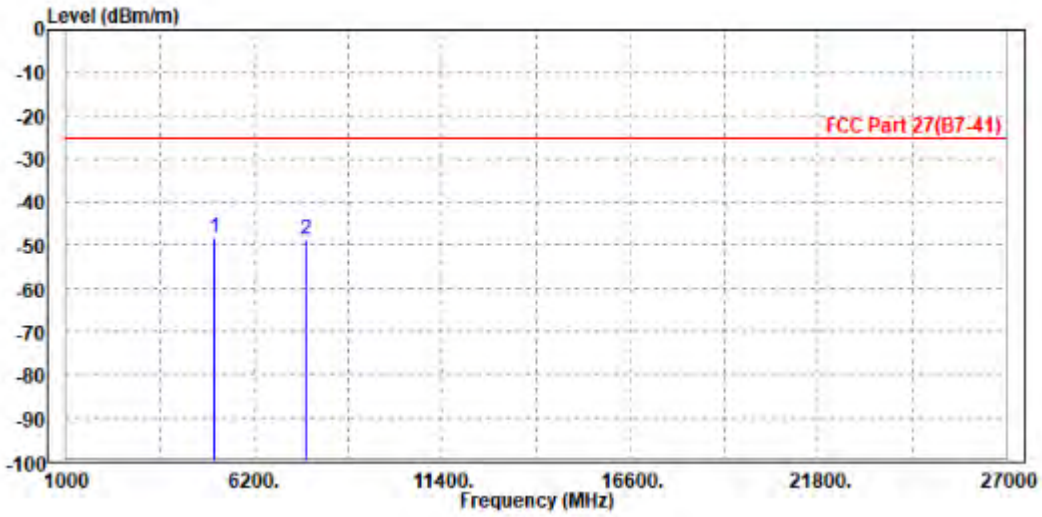
MODE	TX channel PCC 21206 TX channel SCC 21350	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-48.24	-57.01	-25.00	-23.24	8.77	Peak	Horizontal
2	7636.800	-49.12	-60.53	-25.00	-24.12	11.41	Peak	Horizontal



MODE	TX channel PCC 21206	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21350		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

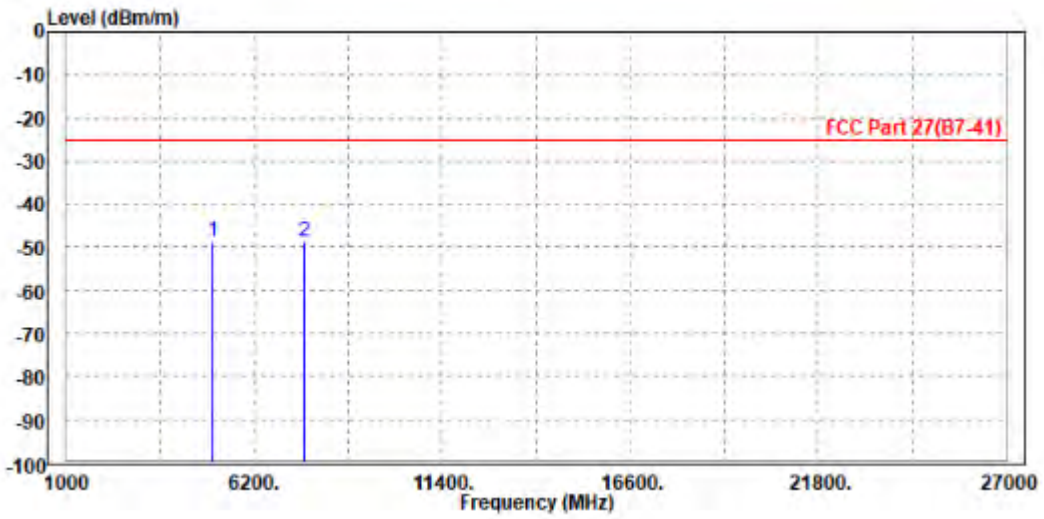
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-48.34	-58.21	-25.00	-23.34	9.87	Peak	Vertical
2	7636.800	-48.76	-61.55	-25.00	-23.76	12.79	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz + 10MHz

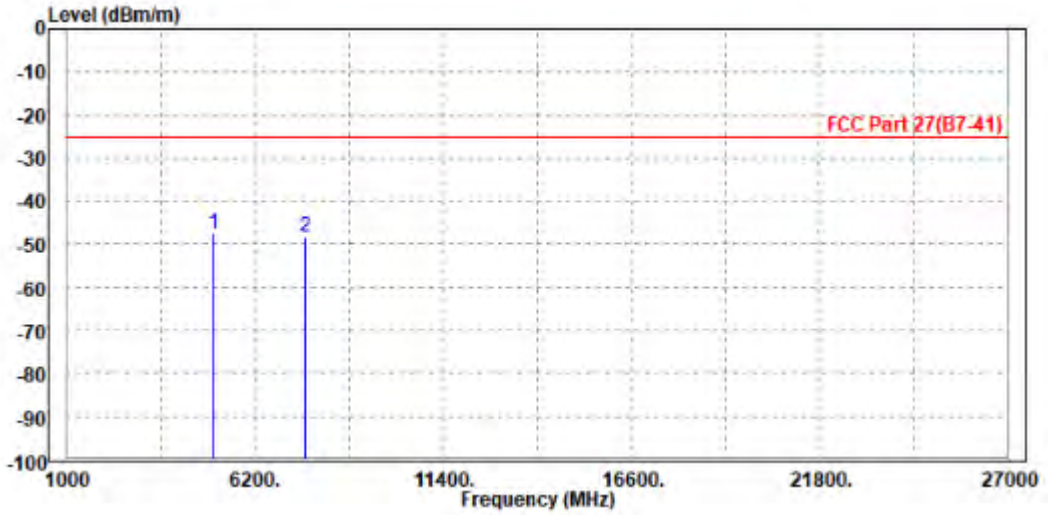
MODE	TX channel PCC 21051 TX channel SCC 21171	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-48.66	-57.35	-25.00	-23.66	8.69	Peak	Horizontal
2	7590.300	-48.81	-60.21	-25.00	-23.81	11.40	Peak	Horizontal



MODE	TX channel PCC 21051	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21171		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

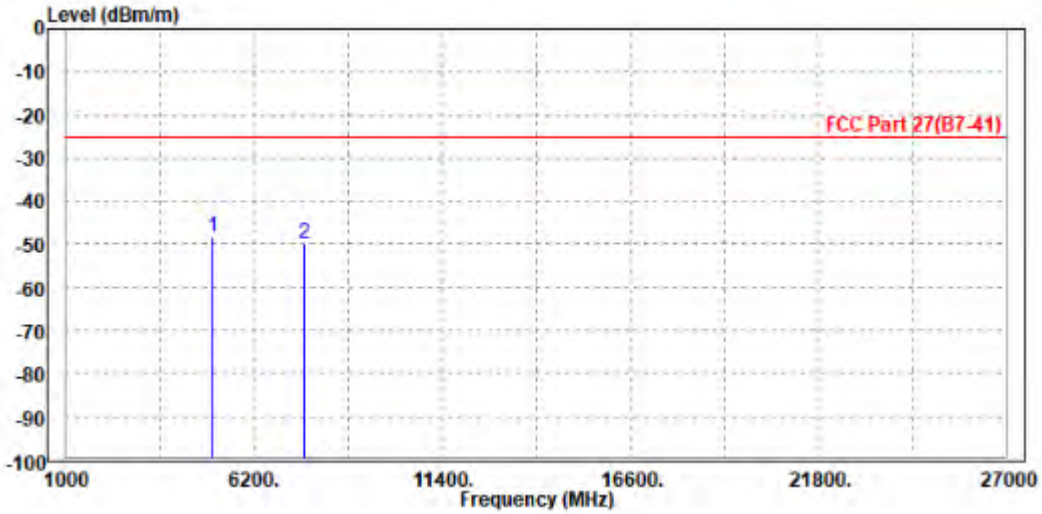
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5056.000	-47.58	-57.46	-25.00	-22.58	9.88	Peak	Vertical
2	7590.300	-48.11	-60.88	-25.00	-23.11	12.77	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz + 15MHz

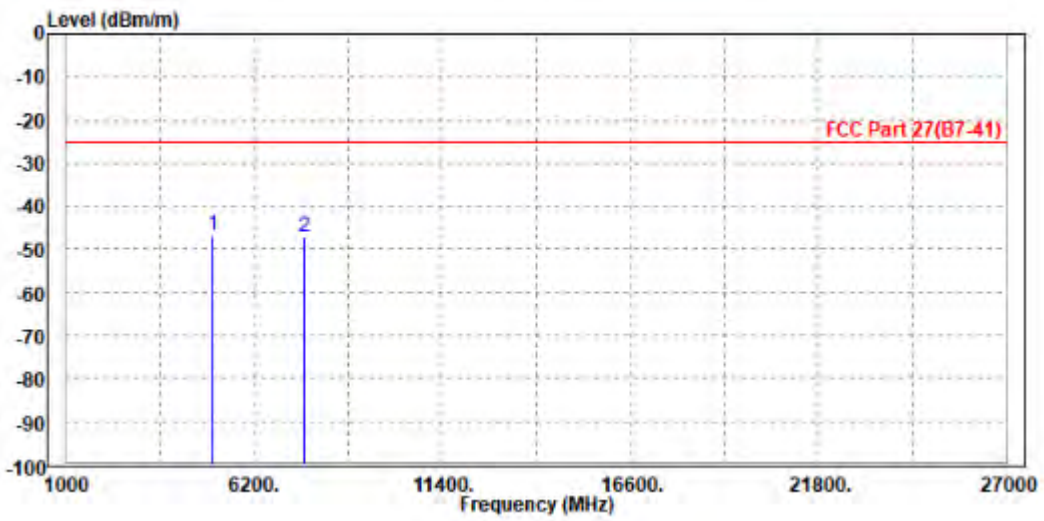
MODE	TX channel PCC 21025 TX channel SCC 21175	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5056.000	-48.40	-57.09	-25.00	-23.40	8.69	Peak	Horizontal
2	7582.500	-49.95	-61.34	-25.00	-24.95	11.39	Peak	Horizontal



MODE	TX channel PCC 21025	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21175		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

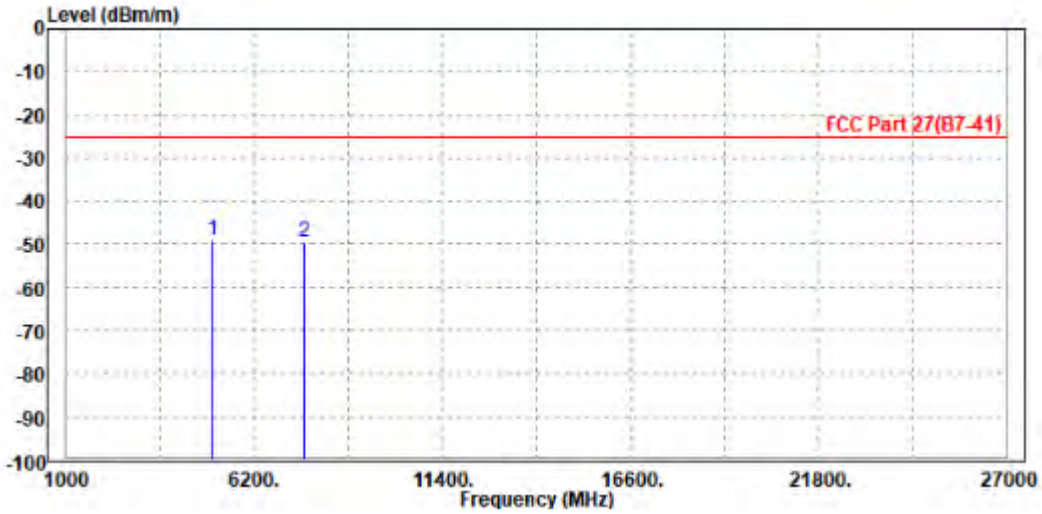
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5055.000	-46.78	-56.66	-25.00	-21.78	9.88	Peak	Vertical
2	7578.000	-47.18	-59.95	-25.00	-22.18	12.77	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz + 20MHz

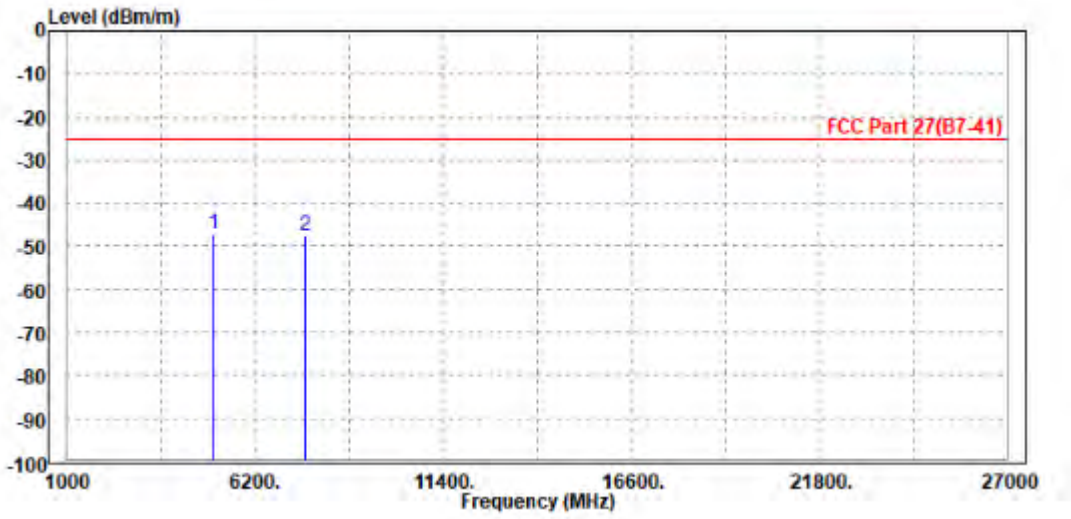
MODE	TX channel PCC 21003 TX channel SCC 21174	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5050.600	-49.19	-57.87	-25.00	-24.19	8.68	Peak	Horizontal
2	7578.000	-49.61	-61.00	-25.00	-24.61	11.39	Peak	Horizontal



MODE	TX channel PCC 21003	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21174		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

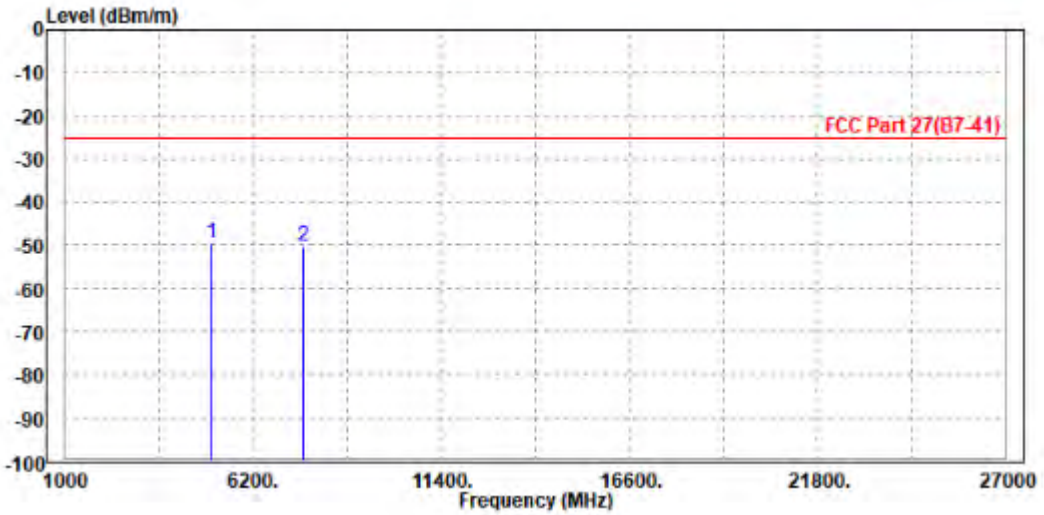
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-47.01	-56.89	-25.00	-22.01	9.88	Peak	Vertical
2	7575.900	-47.46	-60.23	-25.00	-22.46	12.77	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz + 10MHz

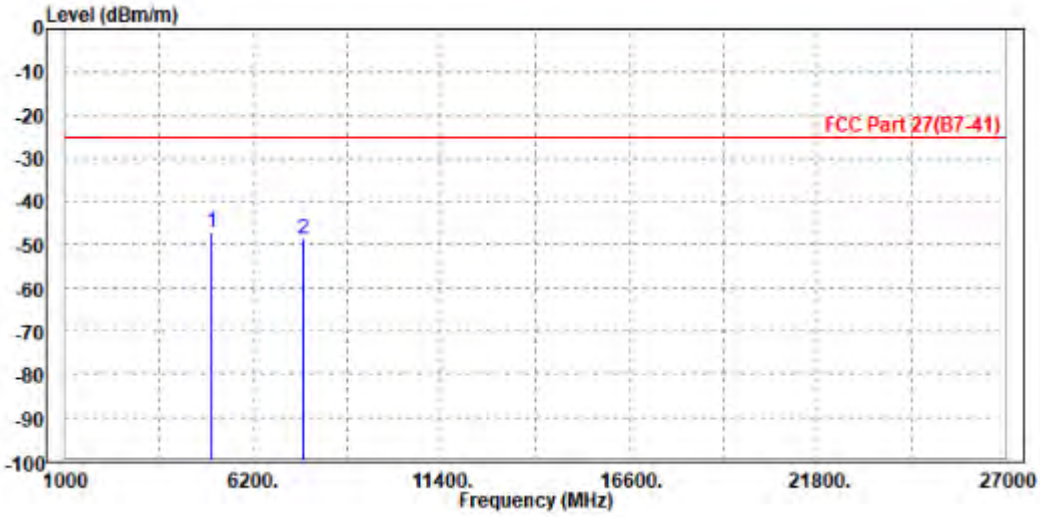
MODE	TX channel PCC 21051 TX channel SCC 21195	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-49.32	-58.01	-25.00	-24.32	8.69	Peak	Horizontal
2	7590.300	-50.09	-61.49	-25.00	-25.09	11.40	Peak	Horizontal



MODE	TX channel PCC 21051	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21195		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

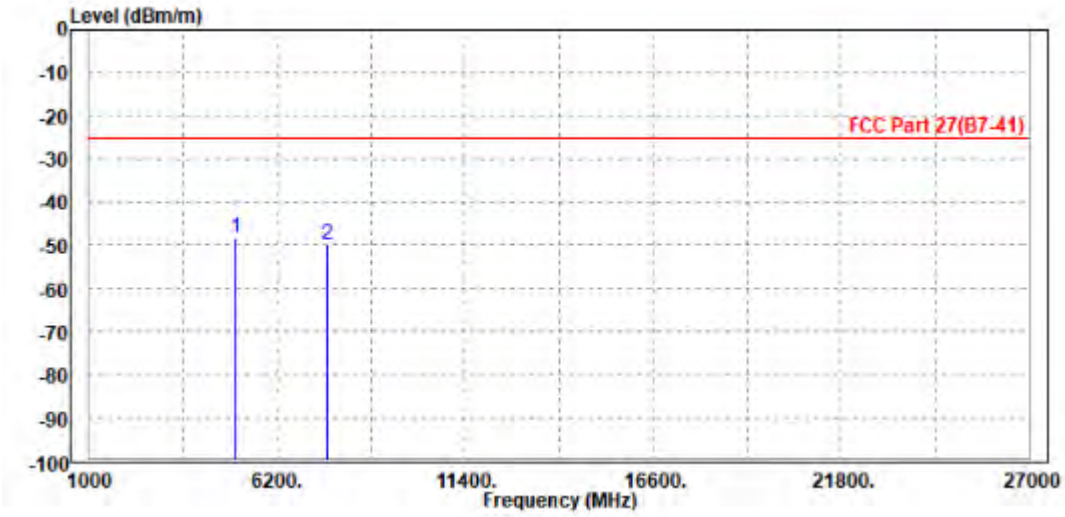
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5056.000	-46.98	-56.86	-25.00	-21.98	9.88	Peak	Vertical
2	7590.300	-48.63	-61.40	-25.00	-23.63	12.77	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz + 15MHz

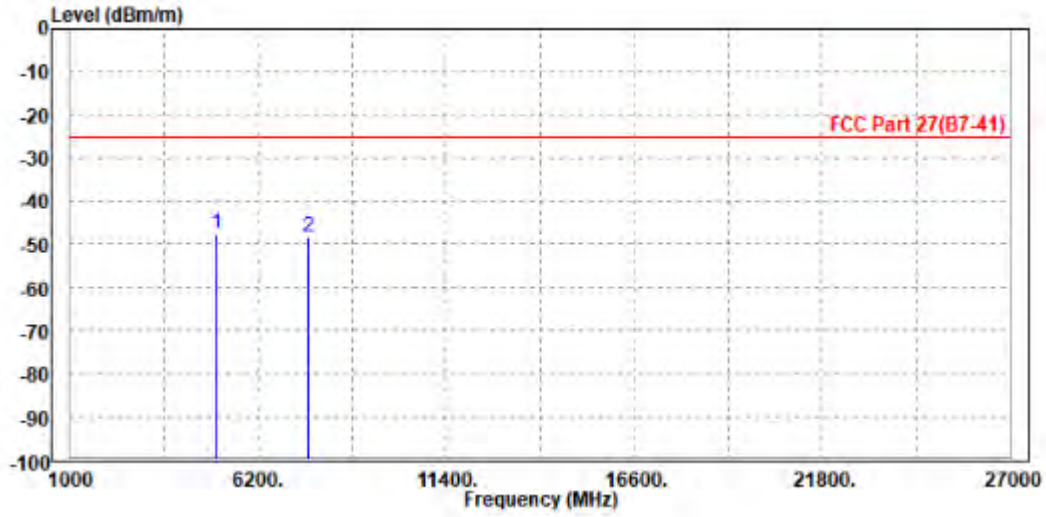
MODE	TX channel PCC 21026 TX channel SCC 21197	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5056.000	-48.25	-56.94	-25.00	-23.25	8.69	Peak	Horizontal
2	7582.800	-49.80	-61.19	-25.00	-24.80	11.39	Peak	Horizontal



MODE	TX channel PCC 21026	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21197		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

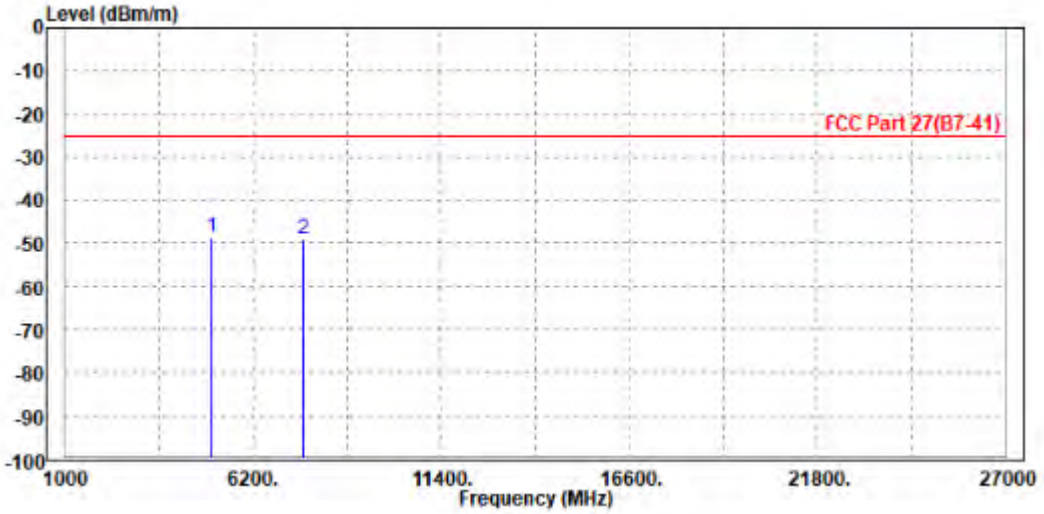
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5055.200	-47.72	-57.60	-25.00	-22.72	9.88	Peak	Vertical
2	7578.000	-48.13	-60.90	-25.00	-23.13	12.77	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz + 20MHz

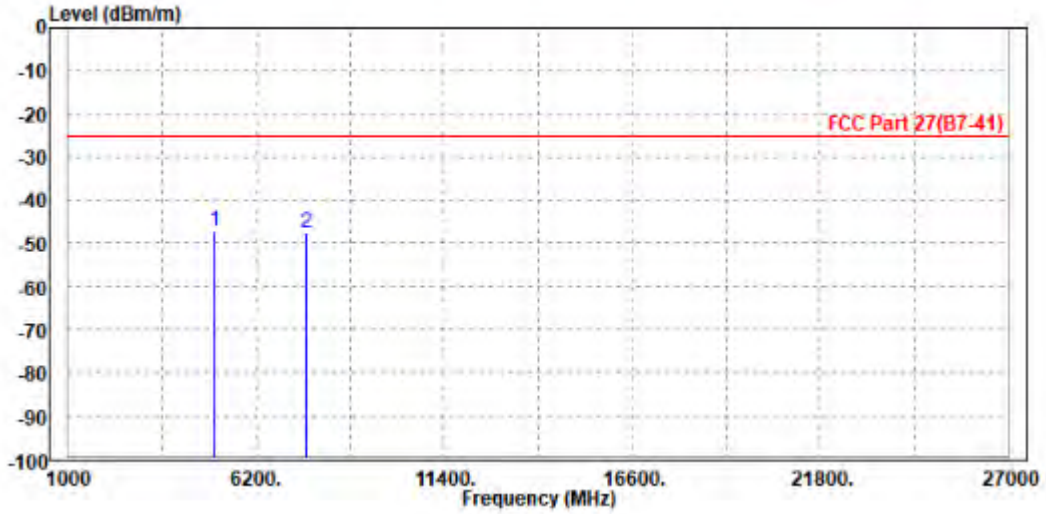
MODE	TX channel PCC 21001 TX channel SCC 21199	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5050.200	-48.85	-57.52	-25.00	-23.85	8.67	Peak	Horizontal
2	7578.000	-49.13	-60.52	-25.00	-24.13	11.39	Peak	Horizontal



MODE	TX channel PCC 21001	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21199		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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	PP 5056.000	-47.01	-56.89	-25.00	-22.01	9.88	Peak	Vertical
2	7575.300	-47.51	-60.28	-25.00	-22.51	12.77	Peak	Vertical

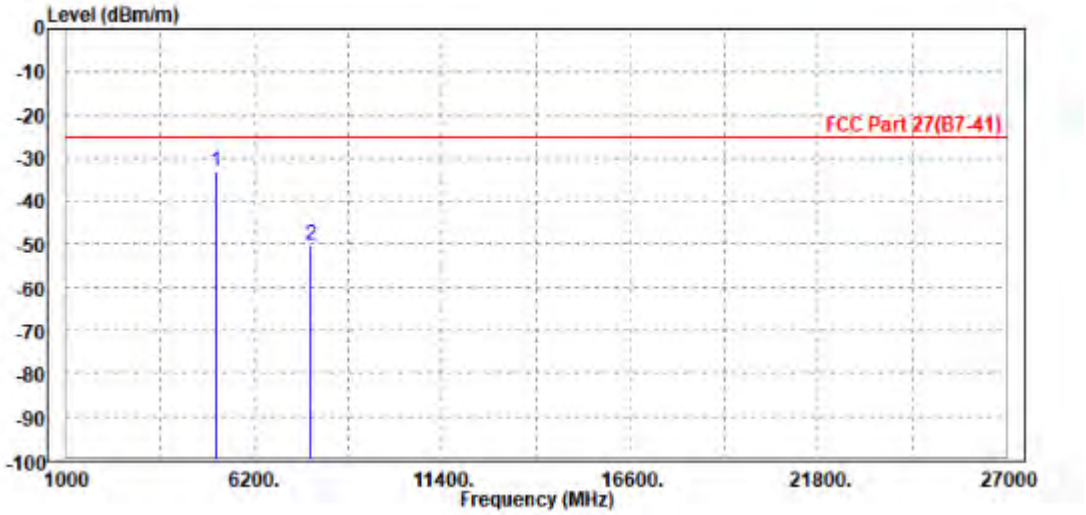


LTE Band CA _41C-HPUE

CHANNEL BANDWIDTH: 5MHz + 20MHz

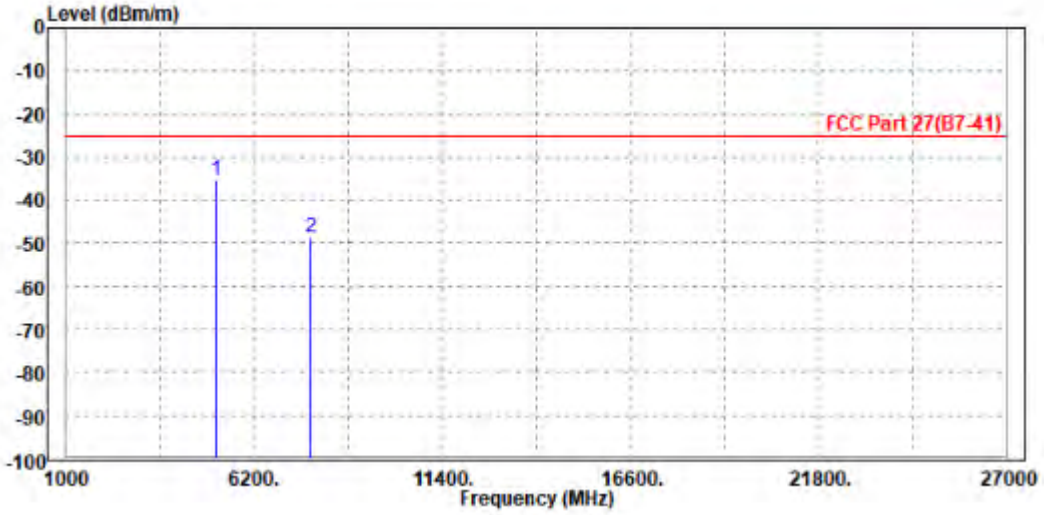
MODE	TX channel PCC 40528 TX channel SCC 40645	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5160.000	-33.08	-42.08	-25.00	-8.08	9.00	Peak	Horizontal
2	7751.400	-50.06	-61.52	-25.00	-25.06	11.46	Peak	Horizontal



MODE	TX channel PCC 40528	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40645		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

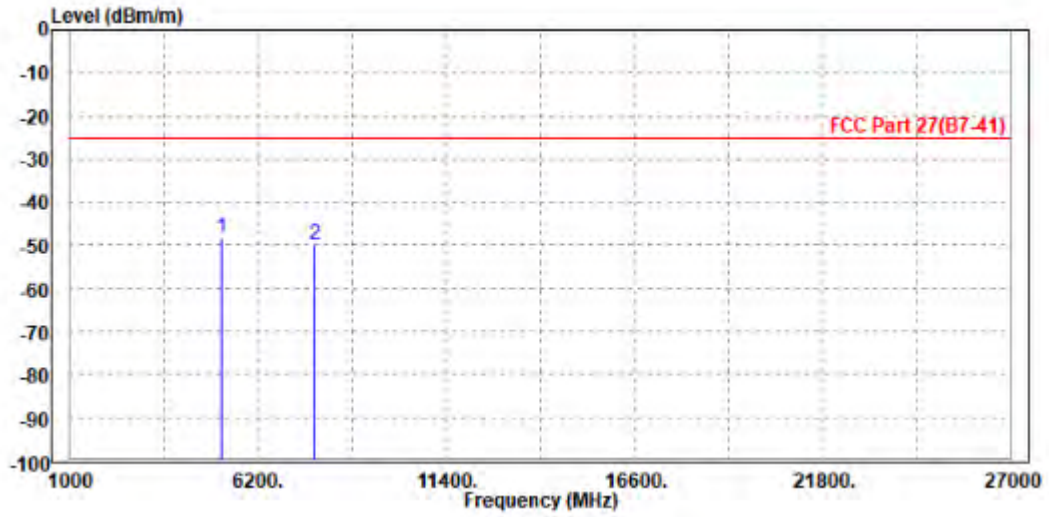
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-35.34	-45.18	-25.00	-10.34	9.84	Peak	Vertical
2	7751.400	-48.82	-61.66	-25.00	-23.82	12.84	Peak	Vertical



CHANNEL BANDWIDTH: 10 MHz + 15MHz

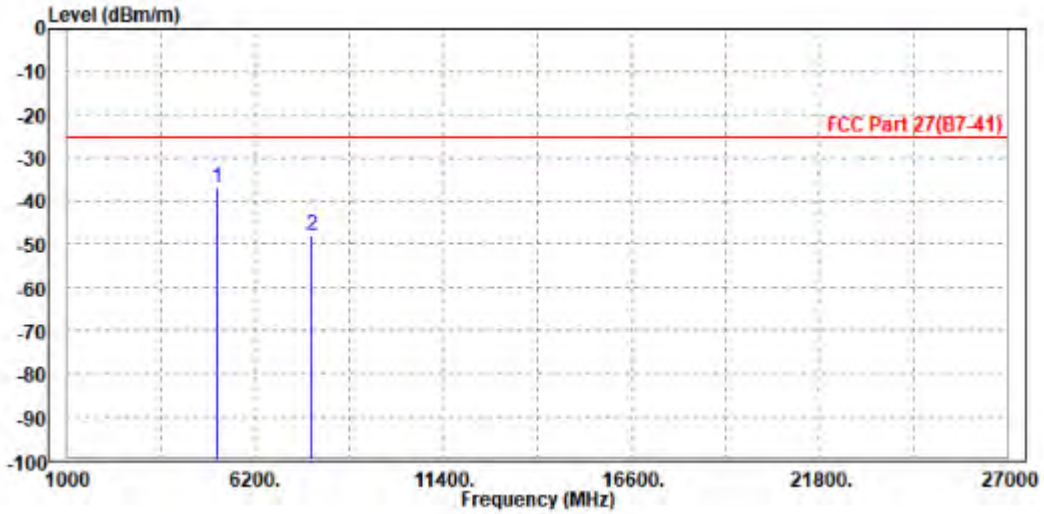
MODE	TX channel PCC 40549 TX channel SCC 40669	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5171.800	-48.17	-57.21	-25.00	-23.17	9.04	Peak	Horizontal
2	7760.000	-49.74	-61.21	-25.00	-24.74	11.47	Peak	Horizontal



MODE	TX channel PCC 40549	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40669		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

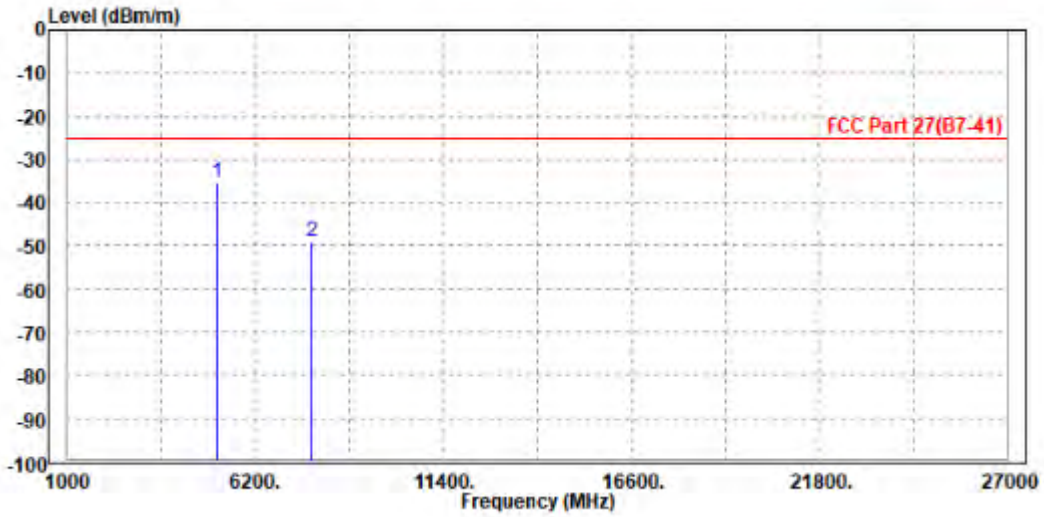
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-36.75	-46.59	-25.00	-11.75	9.84	Peak	Vertical
2	7757.700	-47.77	-60.61	-25.00	-22.77	12.84	Peak	Vertical



CHANNEL BANDWIDTH: 10 MHz + 20MHz

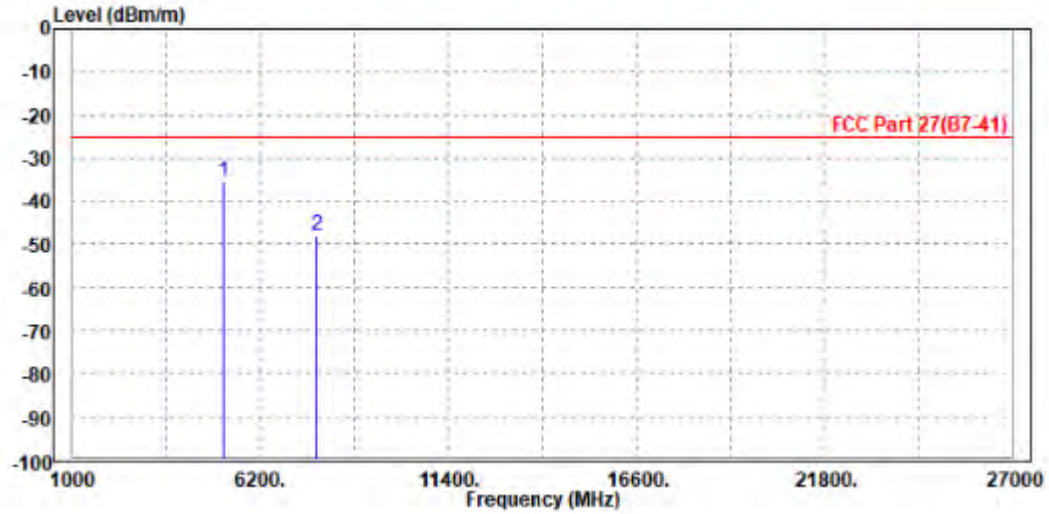
MODE	TX channel PCC 40526 TX channel SCC 40670	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-35.20	-44.20	-25.00	-10.20	9.00	Peak	Horizontal
2	7750.800	-49.10	-60.56	-25.00	-24.10	11.46	Peak	Horizontal



MODE	TX channel PCC 40526	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40670		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

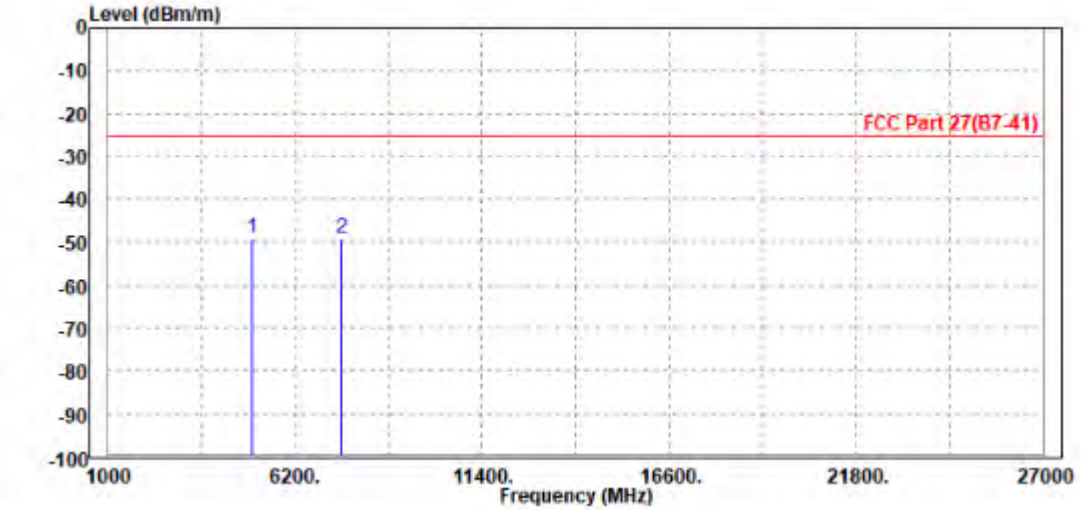
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5167.200	-35.19	-45.02	-25.00	-10.19	9.83	Peak	Vertical
2	7760.000	-47.92	-60.76	-25.00	-22.92	12.84	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz + 10MHz

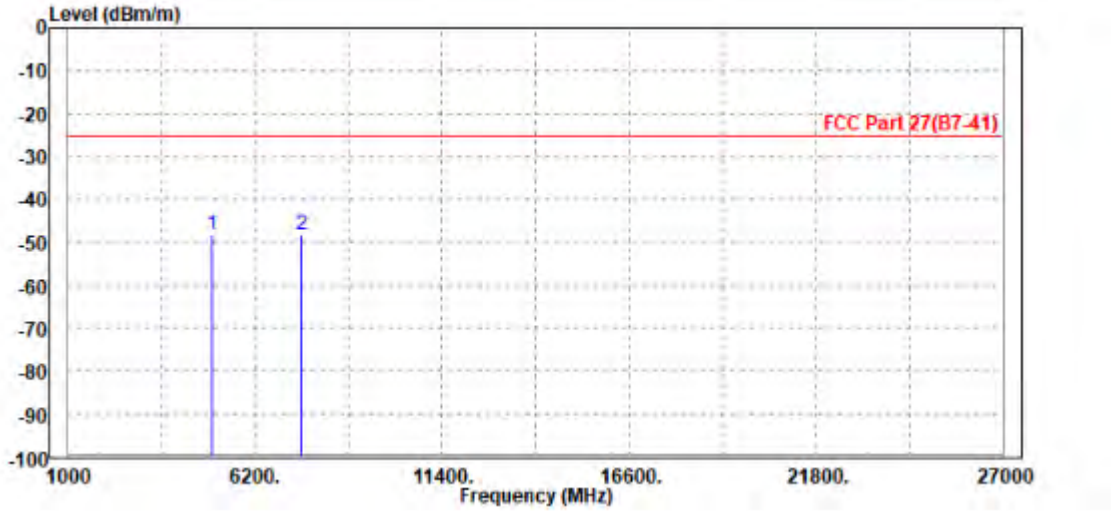
MODE	TX channel PCC 39725 TX channel SCC 39845	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5004.000	-49.07	-57.61	-25.00	-24.07	8.54	Peak	Horizontal
2	7510.500	-49.11	-60.47	-25.00	-24.11	11.36	Peak	Horizontal



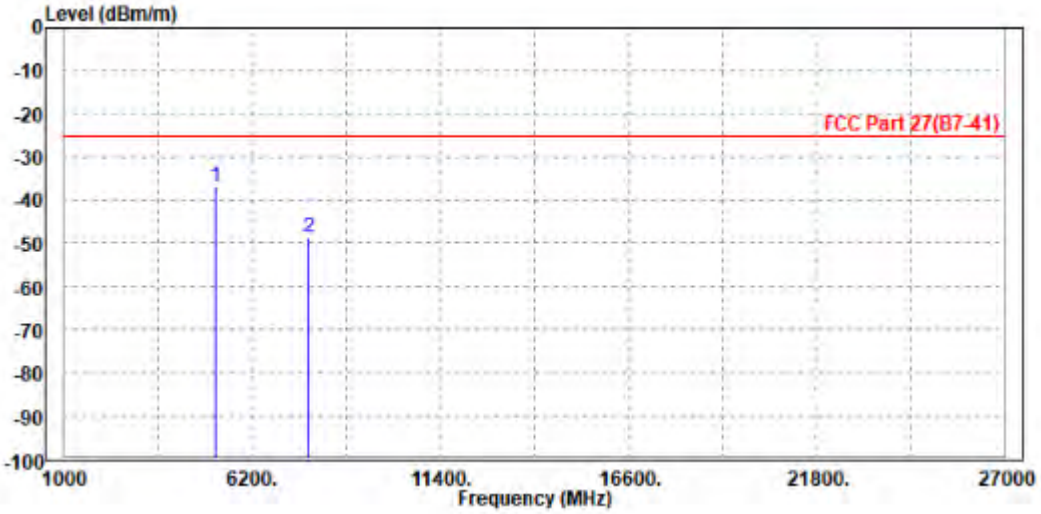
MODE	TX channel PCC 39725	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 39845		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5004.000	-48.26	-58.16	-25.00	-23.26	9.90	Peak	Vertical
2 PP	7510.500	-48.21	-60.95	-25.00	-23.21	12.74	Peak	Vertical



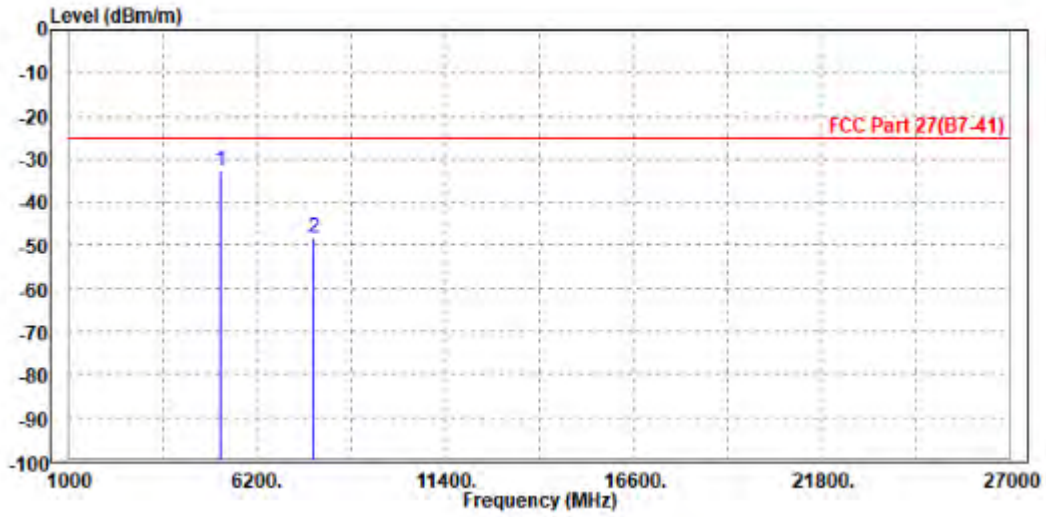
MODE	TX channel PCC 40571	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40691		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-36.71	-45.79	-25.00	-11.71	9.08	Peak	Horizontal
2	7764.300	-48.71	-60.18	-25.00	-23.71	11.47	Peak	Horizontal



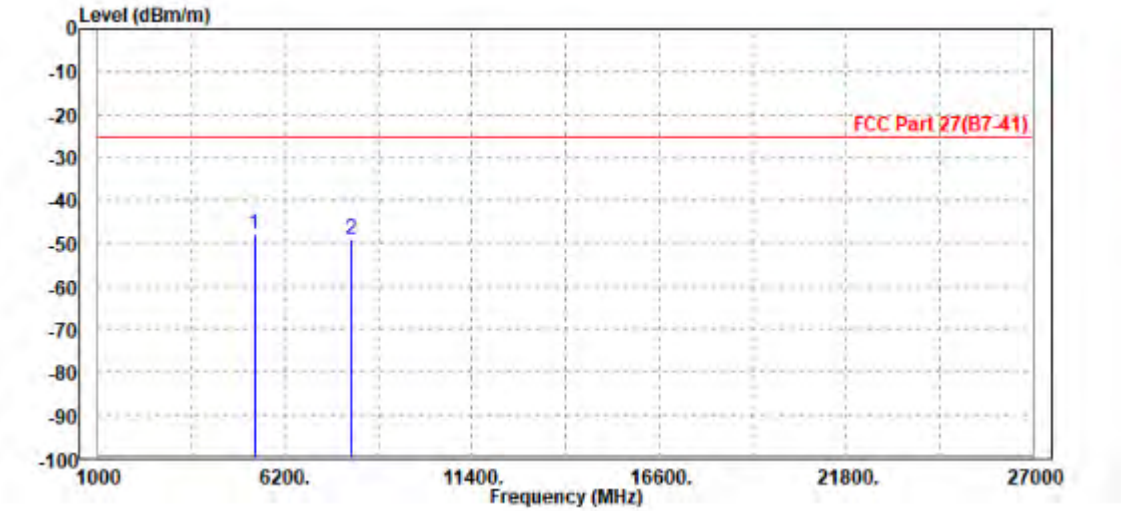
MODE	TX channel PCC 40571	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40691		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5176.200	-32.65	-42.48	-25.00	-7.65	9.83	Peak	Vertical
2	7760.000	-48.27	-61.11	-25.00	-23.27	12.84	Peak	Vertical



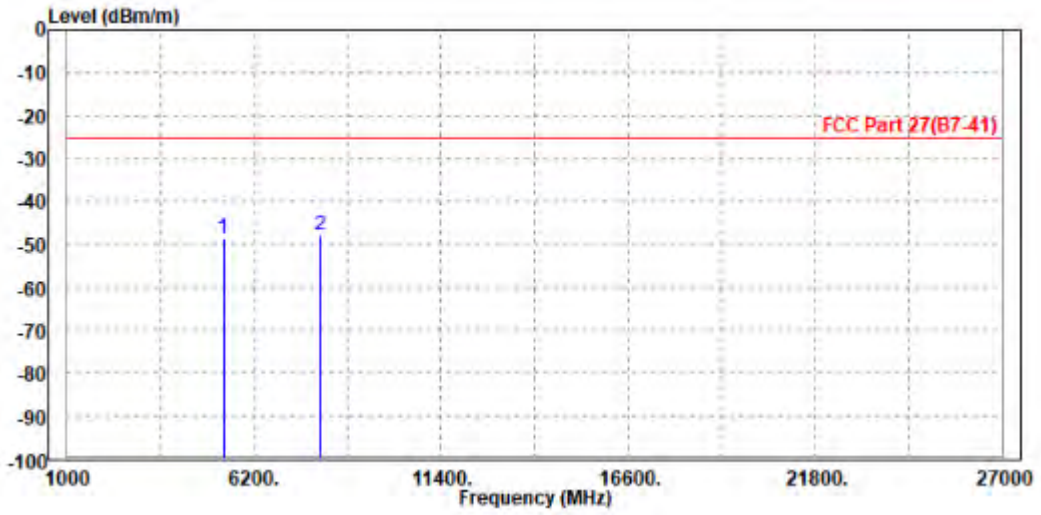
MODE	TX channel PCC 41417 TX channel SCC 41537	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5342.000	-48.07	-57.62	-25.00	-23.07	9.55	Peak	Horizontal
2	8018.100	-48.97	-60.55	-25.00	-23.97	11.58	Peak	Horizontal



MODE	TX channel PCC 41417	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 41537		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

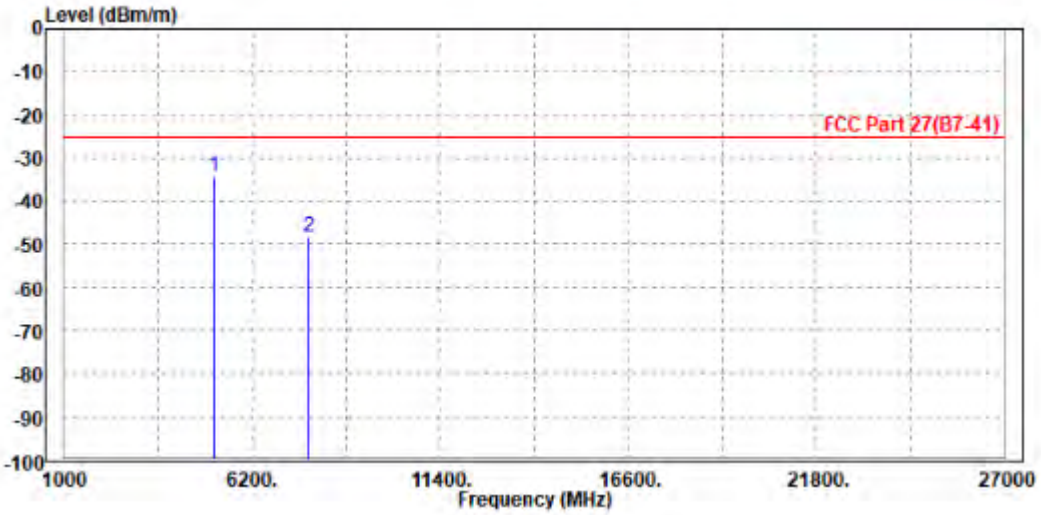
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5342.000	-48.76	-58.53	-25.00	-23.76	9.77	Peak	Vertical
2 PP	8018.100	-47.94	-60.92	-25.00	-22.94	12.98	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz + 15MHz

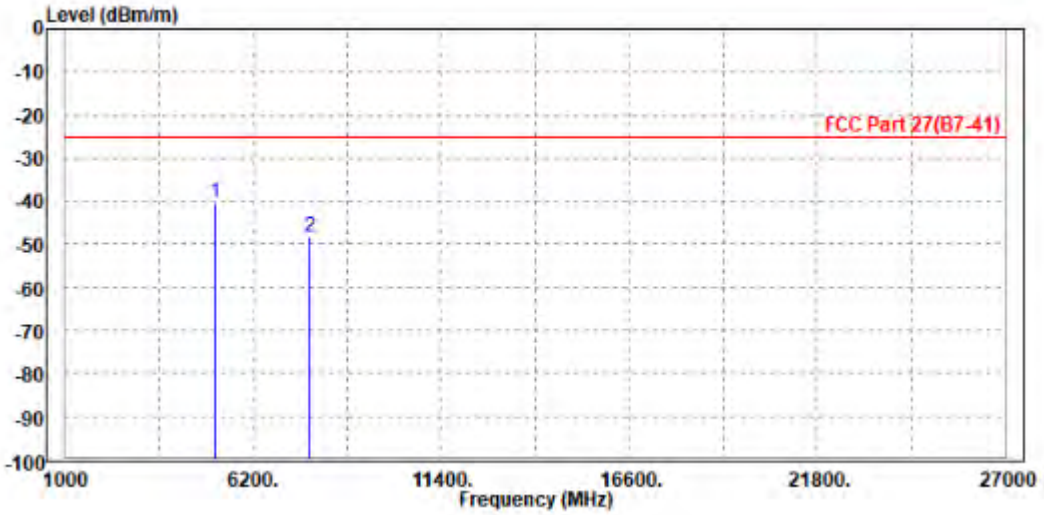
MODE	TX channel PCC 40545 TX channel SCC 40695	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-34.32	-43.32	-25.00	-9.32	9.00	Peak	Horizontal
2	7756.500	-48.31	-59.77	-25.00	-23.31	11.46	Peak	Horizontal



MODE	TX channel PCC 40545	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40695		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

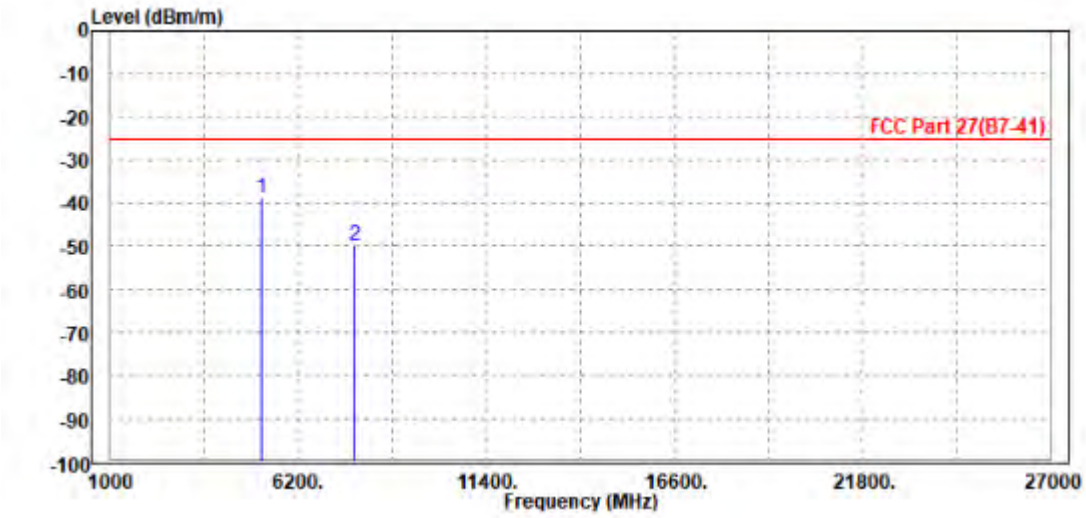
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-40.17	-50.01	-25.00	-15.17	9.84	Peak	Vertical
2	7756.500	-48.33	-61.17	-25.00	-23.33	12.84	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz + 20MHz

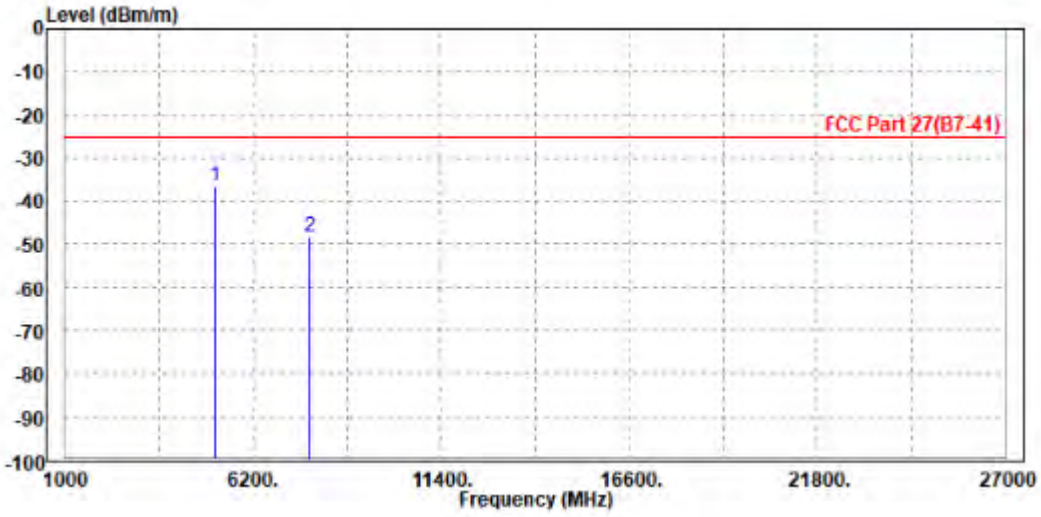
MODE	TX channel PCC 40523 TX channel SCC 40694	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5166.600	-38.93	-47.95	-25.00	-13.93	9.02	Peak	Horizontal
2	7760.000	-49.64	-61.11	-25.00	-24.64	11.47	Peak	Horizontal



MODE	TX channel PCC 40523	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40694		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

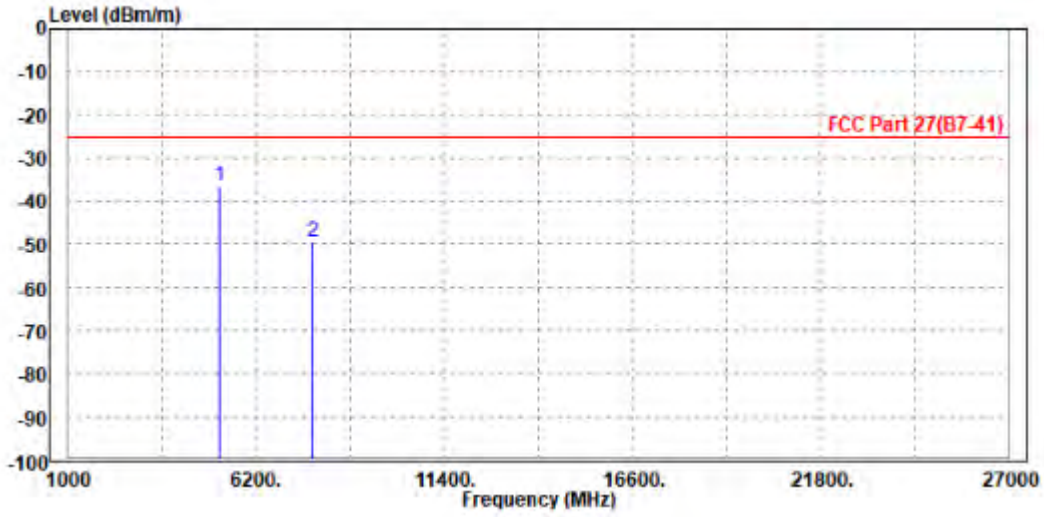
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-36.36	-46.20	-25.00	-11.36	9.84	Peak	Vertical
2	7749.900	-48.38	-61.22	-25.00	-23.38	12.84	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz + 5MHz

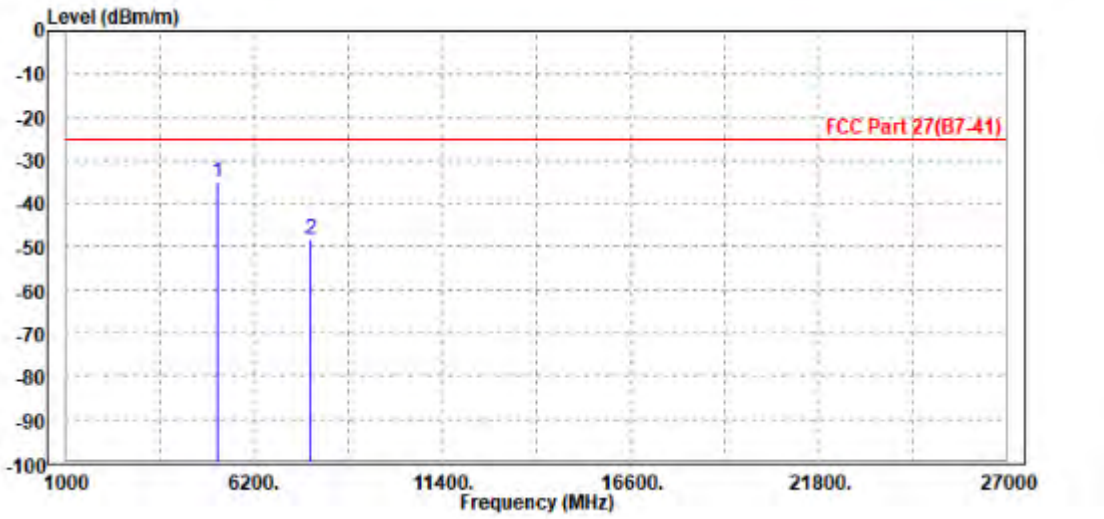
MODE	TX channel PCC 40595 TX channel SCC 40712	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-36.36	-45.44	-25.00	-11.36	9.08	Peak	Horizontal
2	7771.500	-49.58	-61.05	-25.00	-24.58	11.47	Peak	Horizontal



MODE	TX channel PCC 40595	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40712		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

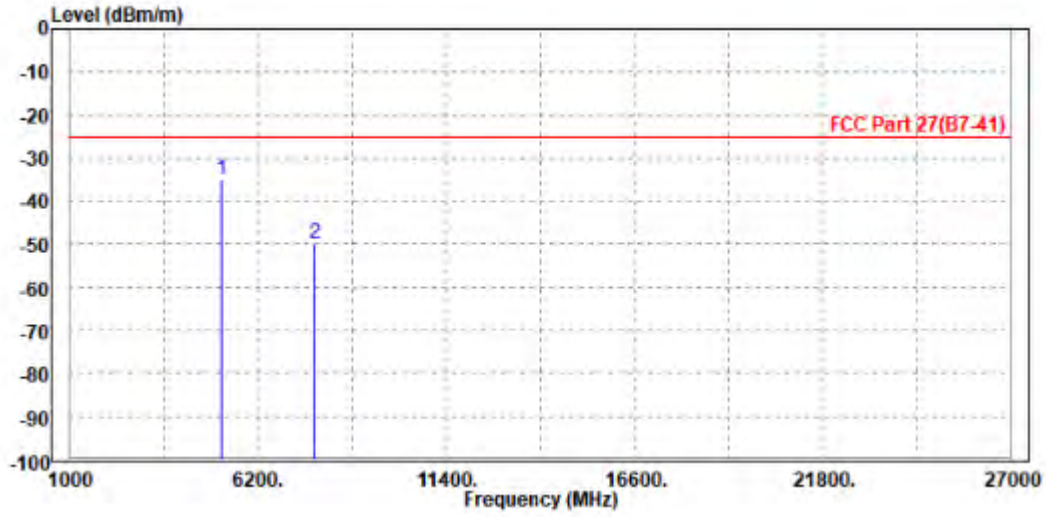
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5181.000	-34.98	-44.81	-25.00	-9.98	9.83	Peak	Vertical
2	7760.000	-48.28	-61.12	-25.00	-23.28	12.84	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz + 10MHz

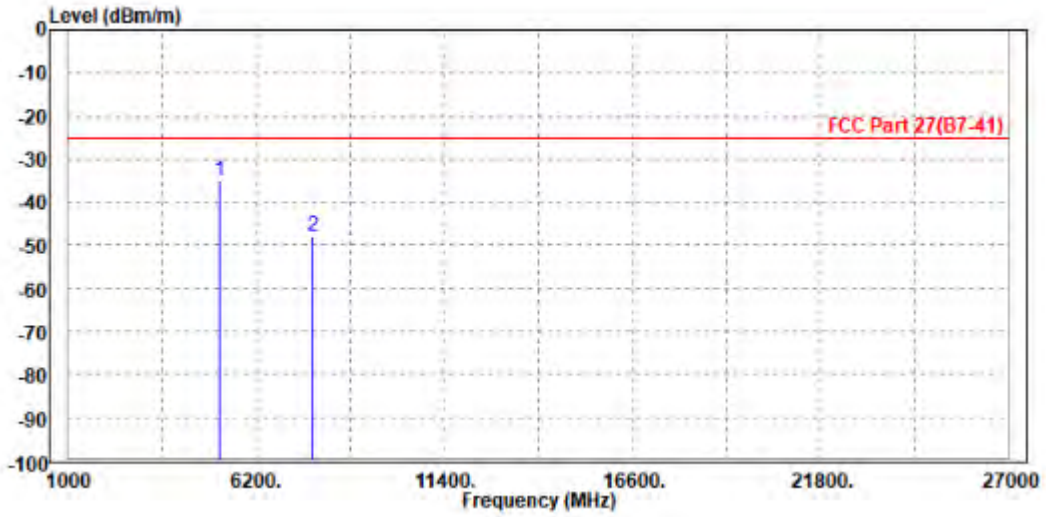
MODE	TX channel PCC 40571 TX channel SCC 40715	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-35.07	-44.15	-25.00	-10.07	9.08	Peak	Horizontal
2	7764.300	-49.71	-61.18	-25.00	-24.71	11.47	Peak	Horizontal



MODE	TX channel PCC 40571	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40715		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

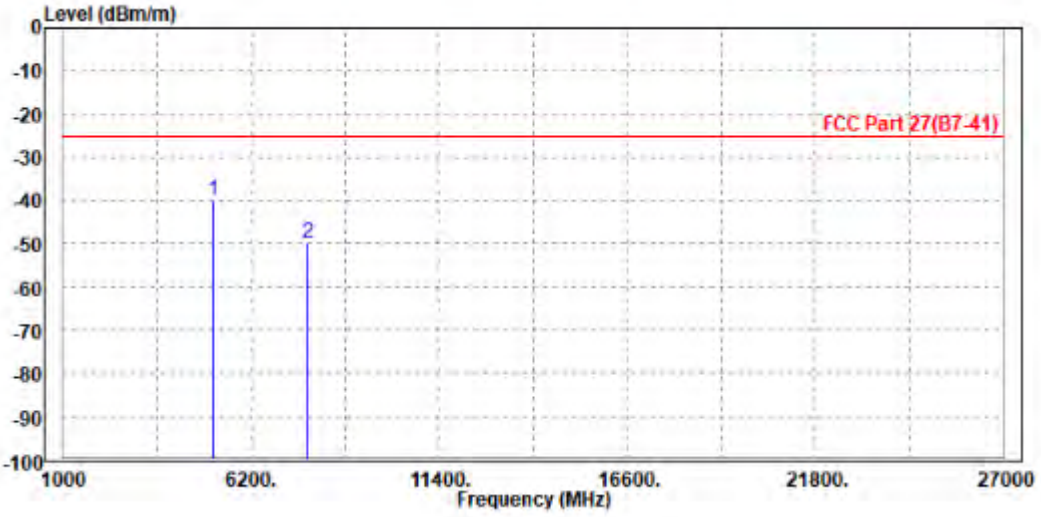
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	5186.000	-34.99	-44.82	-25.00	-9.99	9.83	Peak	Vertical
2		7764.300	-48.02	-60.86	-25.00	-23.02	12.84	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz + 15MHz

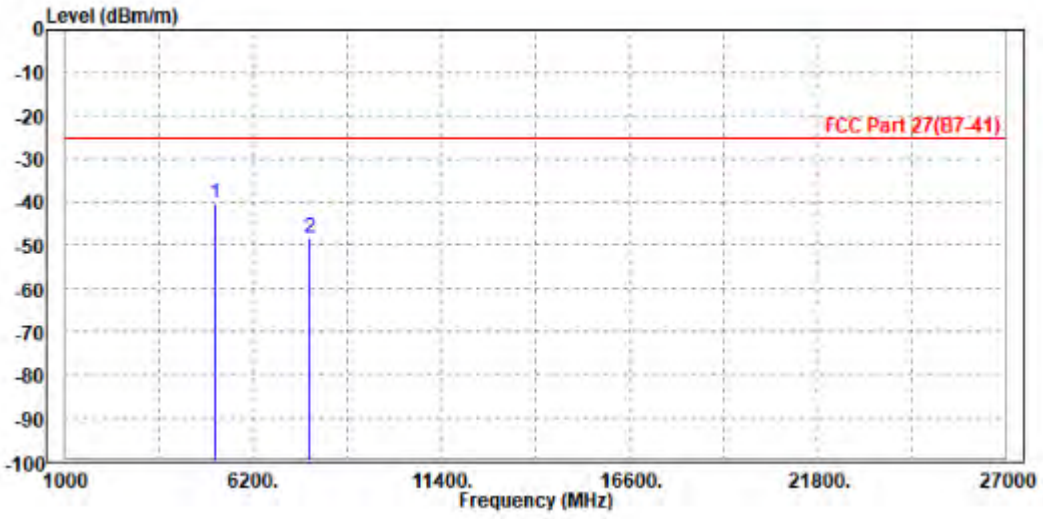
MODE	TX channel PCC 40546 TX channel SCC 40717	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-40.04	-49.04	-25.00	-15.04	9.00	Peak	Horizontal
2	7756.800	-49.78	-61.24	-25.00	-24.78	11.46	Peak	Horizontal



MODE	TX channel PCC 40546	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40717		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

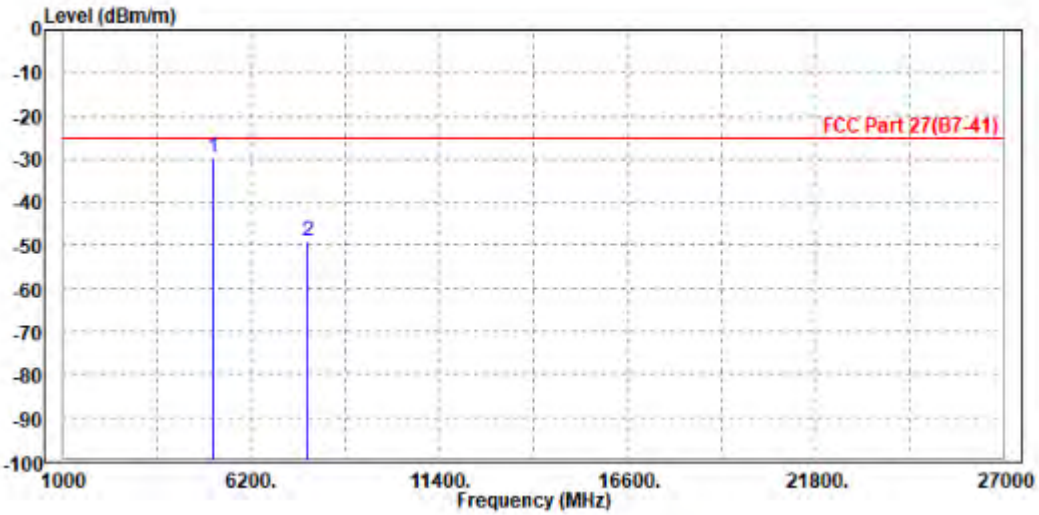
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-40.15	-49.99	-25.00	-15.15	9.84	Peak	Vertical
2	7756.800	-48.30	-61.14	-25.00	-23.30	12.84	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz + 20MHz

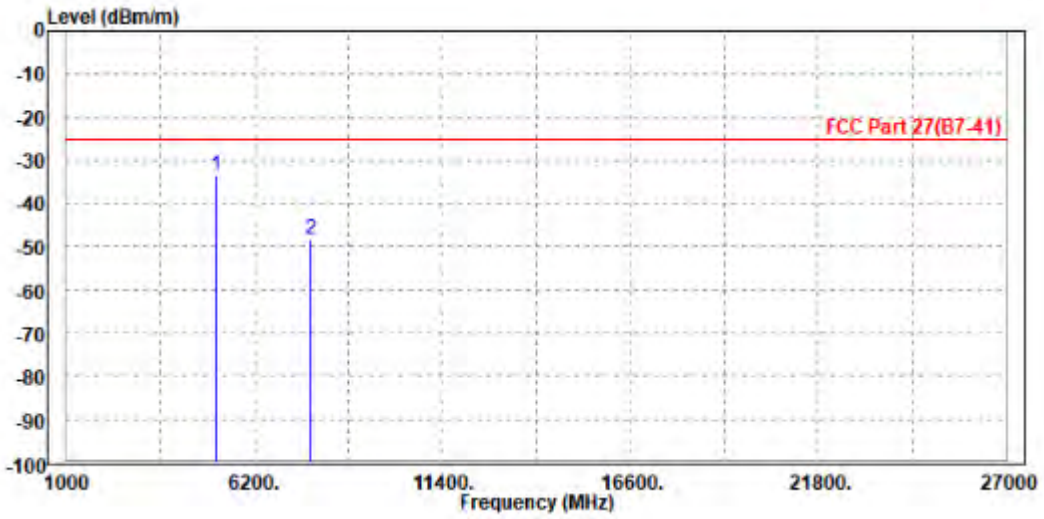
MODE	TX channel PCC 40521 TX channel SCC 40719	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-29.76	-38.76	-25.00	-4.76	9.00	Peak	Horizontal
2	7749.300	-49.05	-60.51	-25.00	-24.05	11.46	Peak	Horizontal



MODE	TX channel PCC 40521	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40719		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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	PP 5160.000	-33.54	-43.38	-25.00	-8.54	9.84	Peak	Vertical
2	7749.300	-48.41	-61.25	-25.00	-23.41	12.84	Peak	Vertical

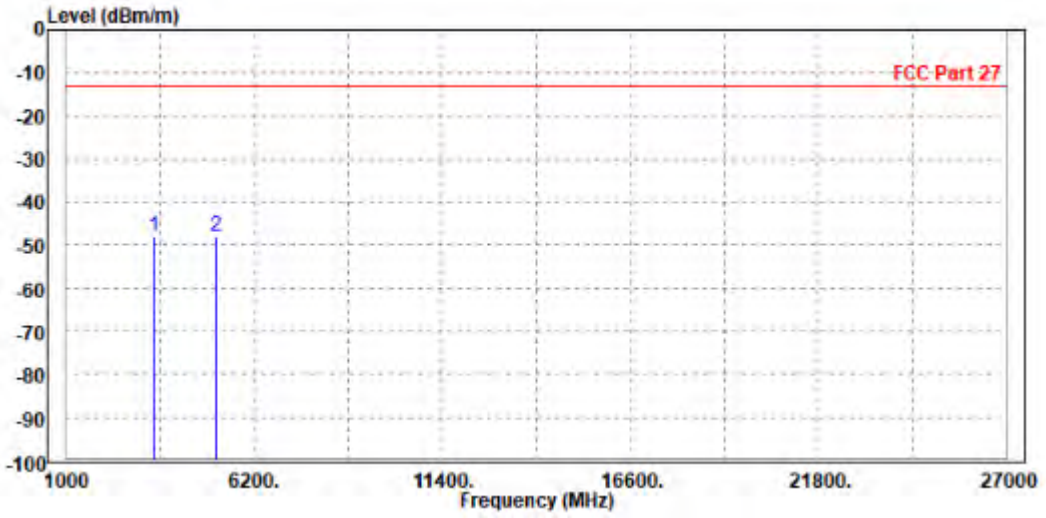


LTE B66B

CHANNEL BANDWIDTH: (5+5) MHz / QPSK

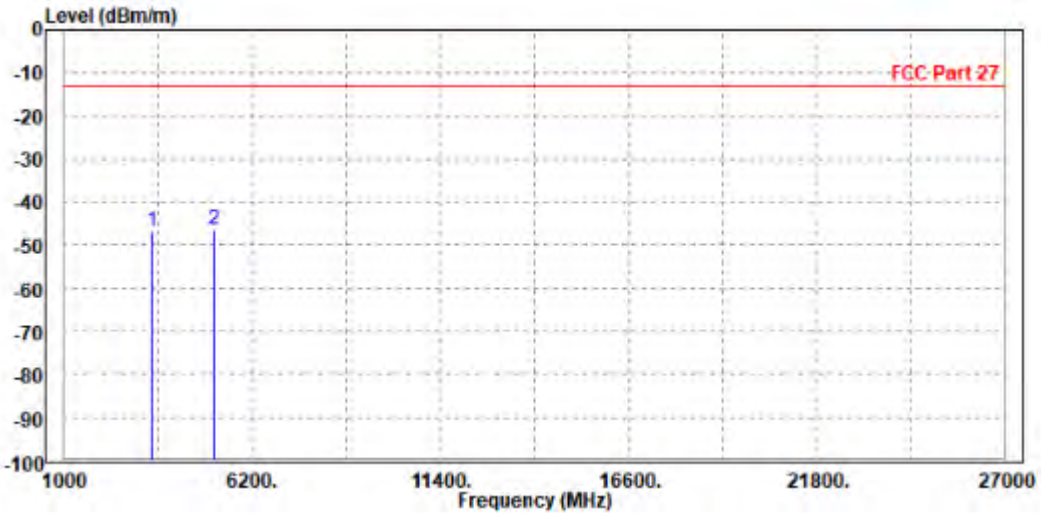
MODE	TX channel PCC 131997 TX channel SCC 132045	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3418.000	-47.82	-56.41	-13.00	-34.82	8.59	Peak	Horizontal
2	5137.500	-47.99	-56.93	-13.00	-34.99	8.94	Peak	Horizontal



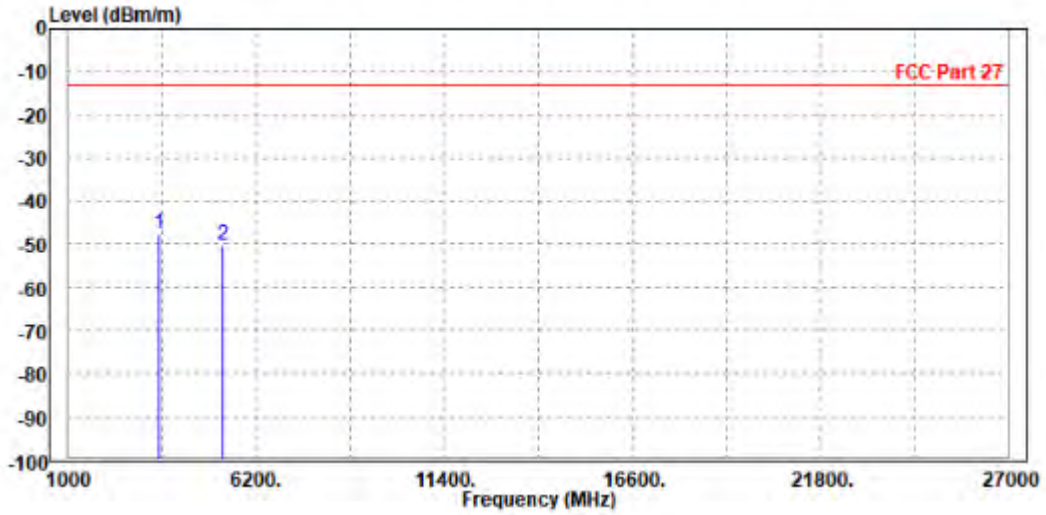
MODE	TX channel PCC 131997	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 132045		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3425.000	-46.67	-55.79	-13.00	-33.67	9.12	Peak	Vertical
2 PP	5134.000	-46.20	-56.05	-13.00	-33.20	9.85	Peak	Vertical



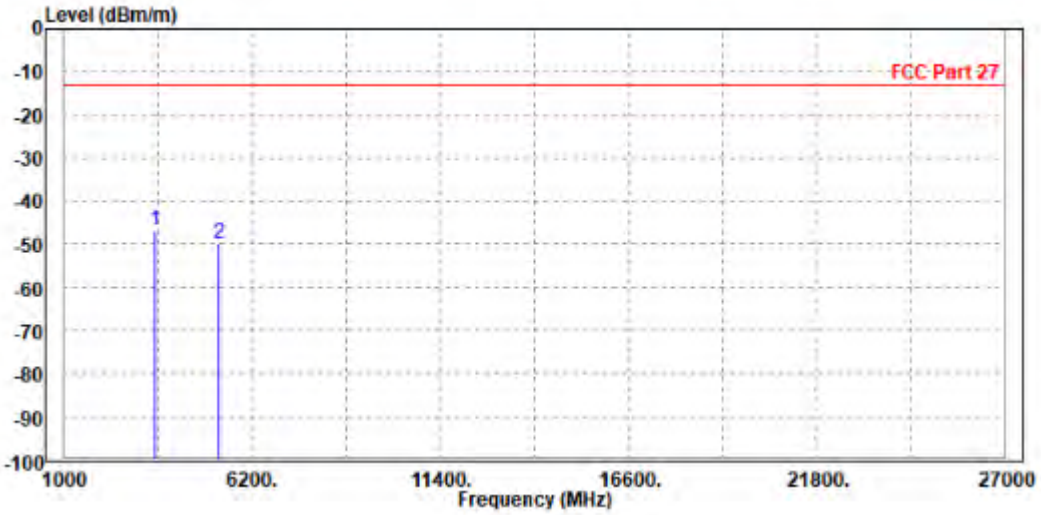
MODE	TX channel PCC 132398	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 132446		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3505.200	-47.38	-55.96	-13.00	-34.38	8.58	Peak	Horizontal
2		5264.000	-50.19	-59.51	-13.00	-37.19	9.32	Peak	Horizontal



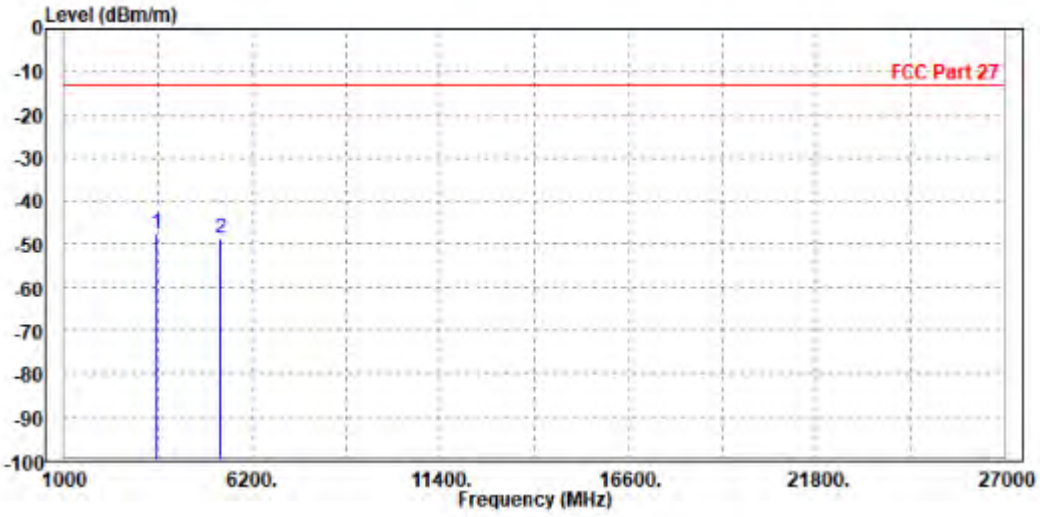
MODE	TX channel PCC 132398	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 132446		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3496.000	-46.86	-56.05	-13.00	-33.86	9.19	Peak	Vertical
2	5257.800	-49.94	-59.74	-13.00	-36.94	9.80	Peak	Vertical



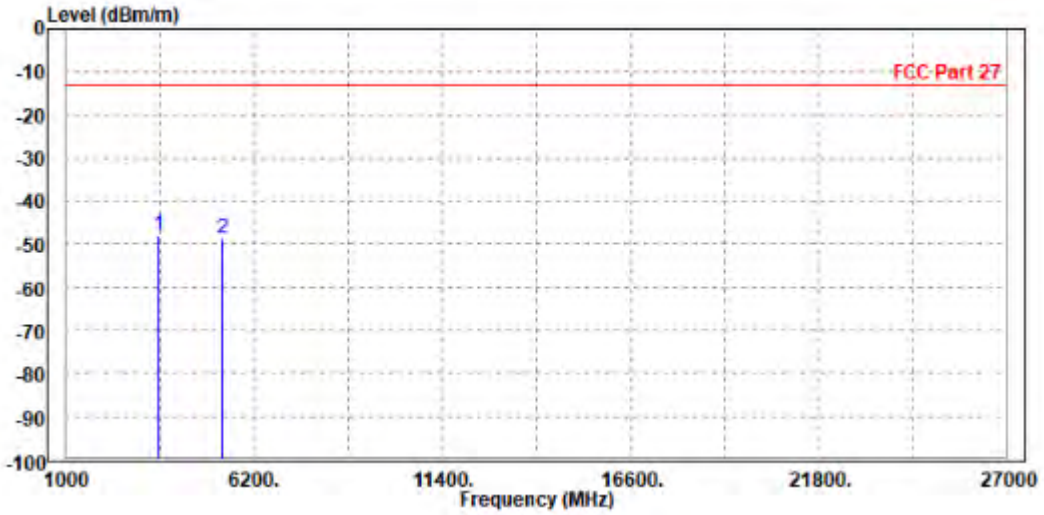
MODE	TX channel PCC 132599 TX channel SCC 132647	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3545.400	-47.71	-56.33	-13.00	-34.71	8.62	Peak	Horizontal
2	5316.000	-48.81	-58.28	-13.00	-35.81	9.47	Peak	Horizontal



MODE	TX channel PCC 132599 TX channel SCC 132647	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

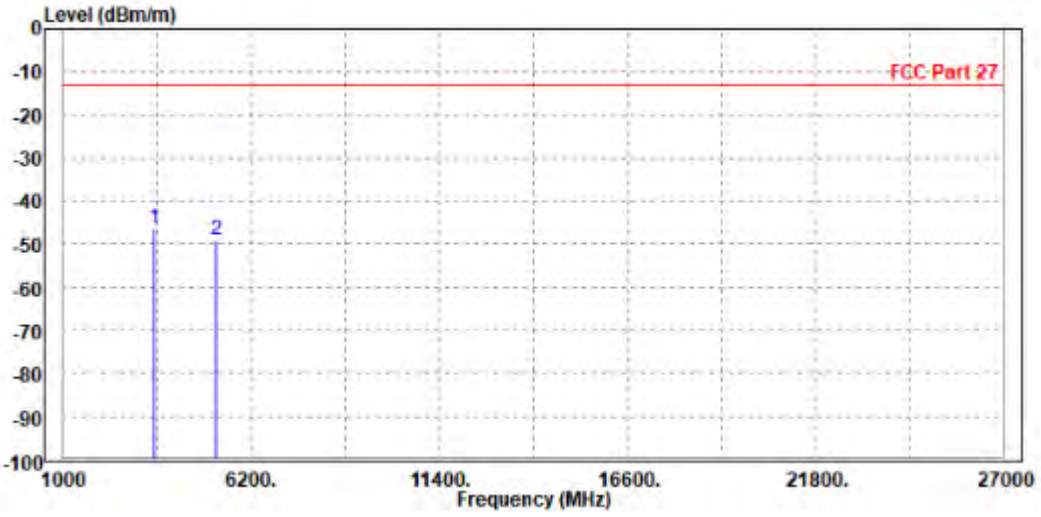
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3548.000	-47.72	-56.93	-13.00	-34.72	9.21	Peak	Vertical
2	5318.100	-48.51	-58.28	-13.00	-35.51	9.77	Peak	Vertical



CHANNEL BANDWIDTH: (5+10) MHz / QPSK

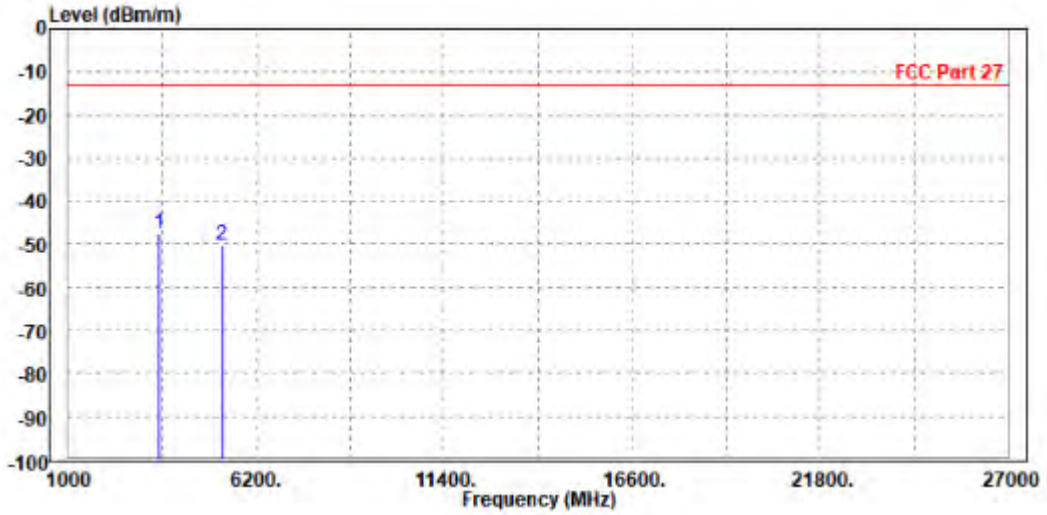
MODE	TX channel PCC 132375 TX channel SCC 132447	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3500.600	-46.55	-55.12	-13.00	-33.55	8.57	Peak	Horizontal
2	5238.000	-49.10	-58.34	-13.00	-36.10	9.24	Peak	Horizontal



MODE	TX channel PCC 132375 TX channel SCC 132447	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

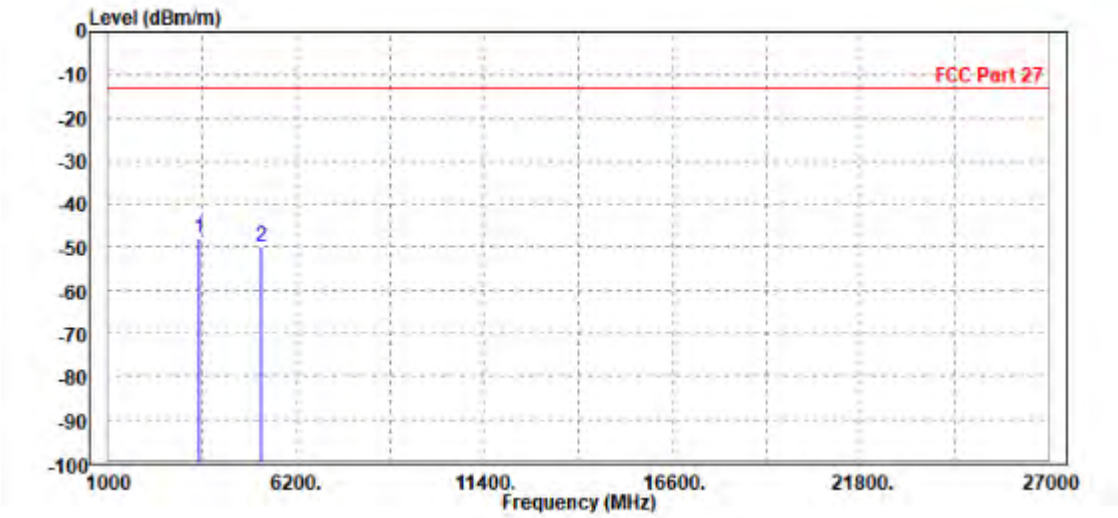
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3496.000	-47.56	-56.75	-13.00	-34.56	9.19	Peak	Vertical
2	5250.900	-50.37	-60.17	-13.00	-37.37	9.80	Peak	Vertical



CHANNEL BANDWIDTH: (5+15) MHz / QPSK

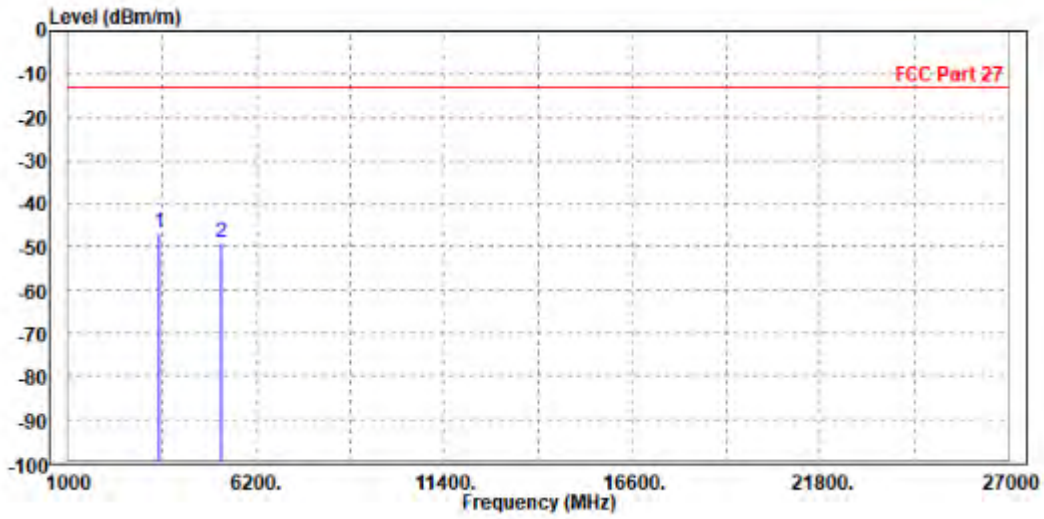
MODE	TX channel PCC 132353 TX channel SCC 132446	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3496.200	-48.06	-56.63	-13.00	-35.06	8.57	Peak	Horizontal
2	5238.000	-49.81	-59.05	-13.00	-36.81	9.24	Peak	Horizontal



MODE	TX channel PCC 132353	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 132446		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

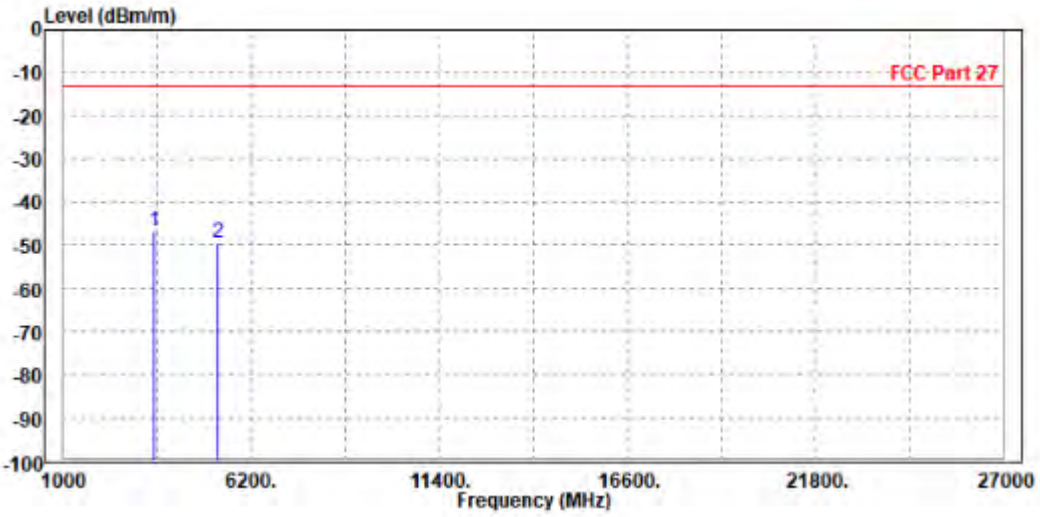
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3496.000	-46.94	-56.13	-13.00	-33.94	9.19	Peak	Vertical
2		5244.300	-48.86	-58.66	-13.00	-35.86	9.80	Peak	Vertical



CHANNEL BANDWIDTH: (10+5) MHz / QPSK

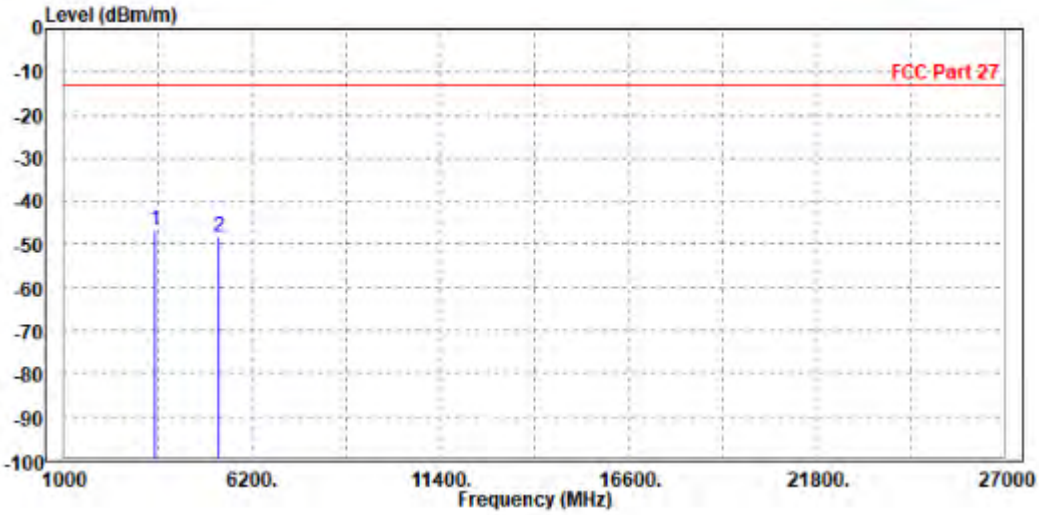
MODE	TX channel PCC 132397 TX channel SCC 132469	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3496.000	-46.93	-55.50	-13.00	-33.93	8.57	Peak	Horizontal
2	5257.500	-49.32	-58.62	-13.00	-36.32	9.30	Peak	Horizontal



MODE	TX channel PCC 132397	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 132469		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

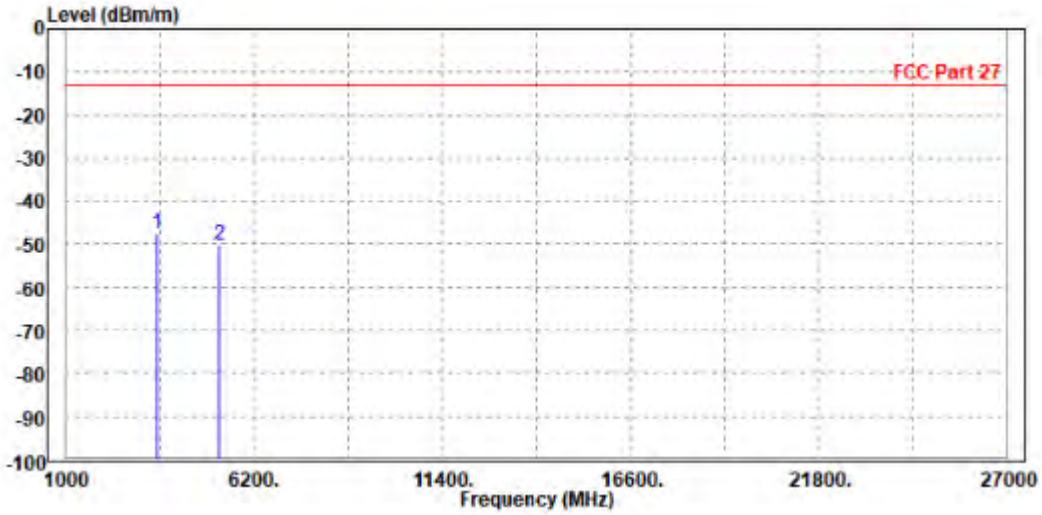
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3505.000	-46.74	-55.93	-13.00	-33.74	9.19	Peak	Vertical
2	5264.000	-48.42	-58.22	-13.00	-35.42	9.80	Peak	Vertical



CHANNEL BANDWIDTH: (10+10) MHz / QPSK

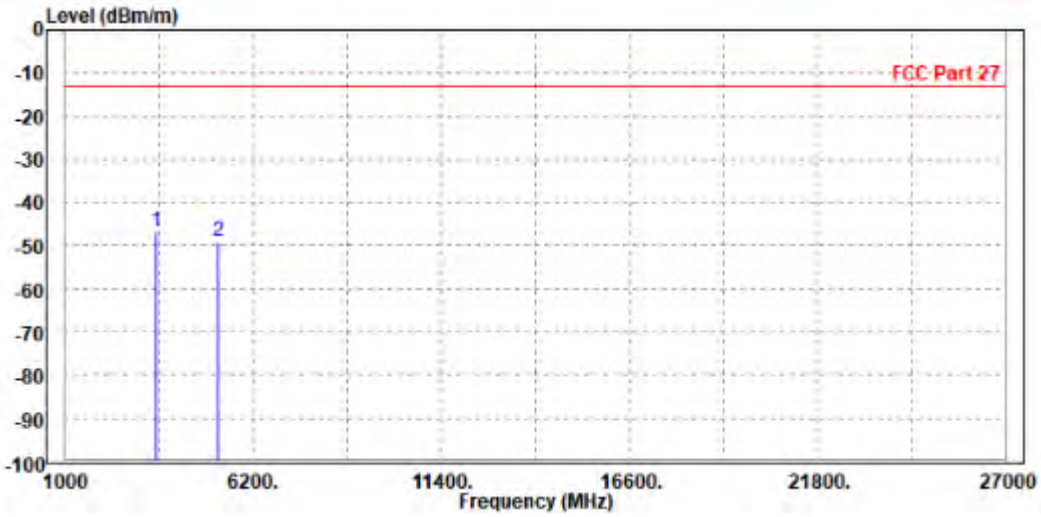
MODE	TX channel PCC 132373 TX channel SCC 132472	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3496.000	-47.37	-55.94	-13.00	-34.37	8.57	Peak	Horizontal
2	5250.300	-50.07	-59.34	-13.00	-37.07	9.27	Peak	Horizontal



MODE	TX channel PCC 132373 TX channel SCC 132472	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

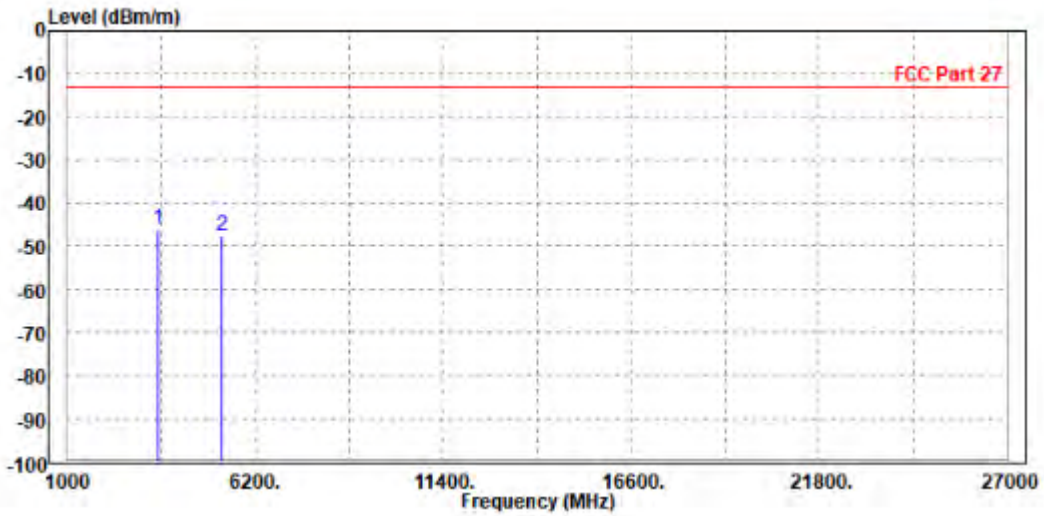
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3496.000	-46.81	-56.00	-13.00	-33.81	9.19	Peak	Vertical
2	5250.300	-48.93	-58.73	-13.00	-35.93	9.80	Peak	Vertical



CHANNEL BANDWIDTH: (15+5) MHz / QPSK

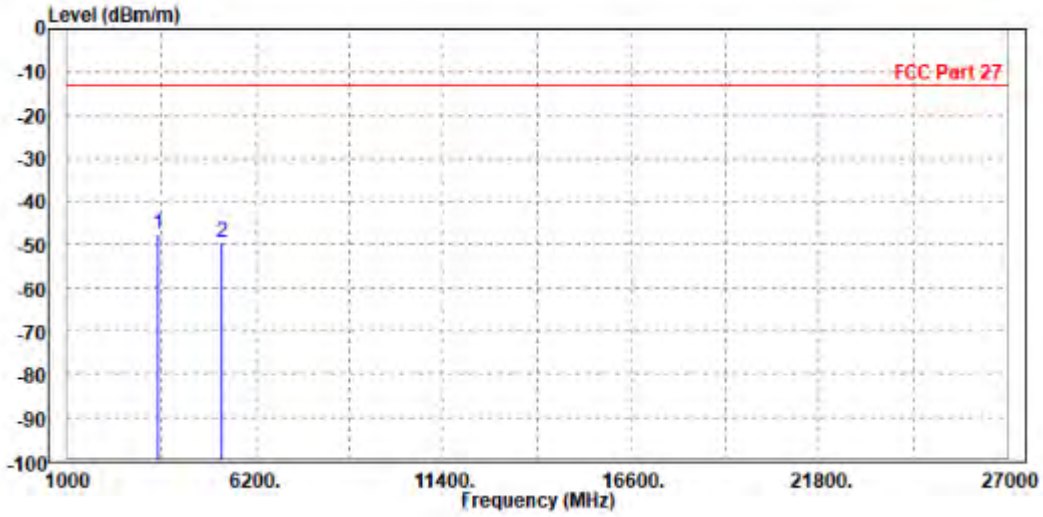
MODE	TX channel PCC 132398 TX channel SCC 132491	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3496.000	-46.14	-54.71	-13.00	-33.14	8.57	Peak	Horizontal
2	5257.800	-47.57	-56.87	-13.00	-34.57	9.30	Peak	Horizontal



MODE	TX channel PCC 132398 TX channel SCC 132491	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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 PP	3505.200	-47.48	-56.67	-13.00	-34.48	9.19	Peak	Vertical
2	5264.000	-49.27	-59.07	-13.00	-36.27	9.80	Peak	Vertical

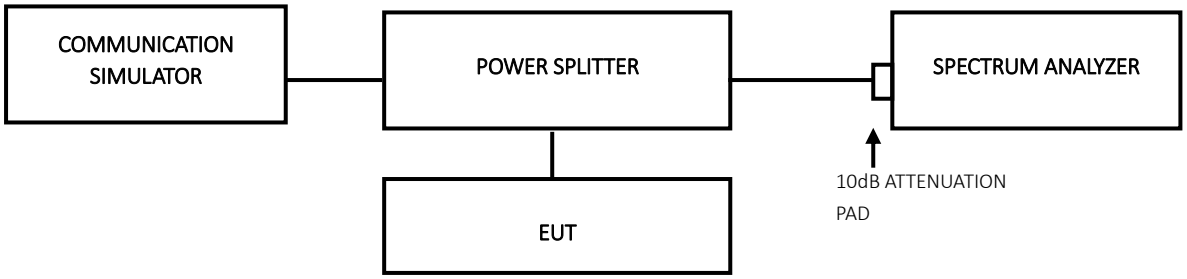


3.7 PEAK TO AVERAGE RATIO

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 ≥ 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%.

3.7.4 TEST RESULTS

Please Refer to Appendix A Of this test report.

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:

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Fax: +86-755-88696577

Email: customerservice.sw@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.

NOTE: APPENDIX A is another word.

---END---