



Test Report No.: W7L-P22080003RF06



# FCC TEST REPORT (PART 27)

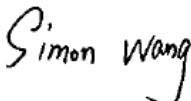

Applicant:	HMD Global Oy
Address:	Bertel Jungin aukio 9, 02600 Espoo, Finland

Manufacturer or Supplier:	HMD Global Oy
Address:	Bertel Jungin aukio 9, 02600 Espoo, Finland
Product:	Tablet PC
Brand Name:	NOKIA
Model Name:	TA-1495
FCC ID:	2AJOTTA-1495
Date of tests:	Aug. 03, 2022 ~ Sep. 13, 2022

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

- FCC Part 27     ANSI/TIA/EIA-603-D
- FCC Part 2     ANSI/TIA/EIA-603-E     ANSI C63.26-2015

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

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
 Date: Sep. 13, 2022	 Date: Sep. 13, 2022

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P22080003RF06	Original release	Sep. 13, 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 AND LIMIT	RESULT
§2.1046	Conducted Output Power	Compliance
§27.50(h)(2)	Equivalent Isotropically Radiated Power (Band 7) (Band 38) (Band 41/41C)	Compliance
§2.1055 §27.54	Frequency Stability	Compliance
§2.1049	Occupied Bandwidth	Compliance
§2.1051 §27.53(m)(4)(6)	Conducted Band Edge Measurements (Band 7) (Band 38) (Band 41/41C)	Compliance
§2.1051 §27.53(m)(4)(6)	Conducted Spurious Emissions (Band 7) (Band 38) (Band 41/41C)	Compliance
§2.1053 §27.53(m)(4)(6)	Radiated Spurious Emissions (Band 7) (Band 38) (Band 41/41C)	Compliance
NA	Peak to average ratio	Compliance

## NOTE:

1. This report refers to the data of W7L-P22070038RF06 (FCC ID: 2AJOTTA-1505, model: TA-1505) except to RSE and EIRP, the change between TA-1505 and TA-1495 is the difference of supporting bands and model name. In this report verify conducted power and RSE. So this report replaces the worst RSE data of supporting band, and updated the power of all supporting bands, adding the test datas of band 41C.

Detailed differences and validation are listed as below

Quoted FCC ID	Model	Supporting bands	Spot-Check	Replace data
2AJOTTA-1505	TA1505	GSM 850/1900 WCDMA Band 2/4/5 LTE Band2/4/5/7/7C/12/13/17/38/41/66	Conducted power & RSE	RSE & Coducted Output Power & EIRP
2AJOTTA-1495	TA1495	GSM 850/1900 WCDMA Band 5 LTE Band5/7/38/41/41C	Conducted power & RSE	RSE & Coducted Output Power & EIRP

Note: The difference is only the supporting bands of WWAN, other parts are all the same.

## 1.1 MEASUREMENT UNCERTAINTY

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

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

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

## 1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 21,22	Feb. 20,23
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	May.15,22	May.14,23
Loop Antenna	Schwarzbeck	FMZB 1519B	00173	Sep.05,21	Sep.04,22
Loop Antenna	Schwarzbeck	FMZB 1519B	00173	Sep.04,22	Sep.03,23
Bilog Antenna	ETS-LINDGRE N	3143B	00161965	Mar. 06,22	Mar. 05,23
Horn Antenna	ETS-LINDGRE N	3117	00168692	Mar. 06,22	Mar. 05,23
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K- SG/QMS-00361	15433	Aug. 25, 21	Aug. 24, 22
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K- SG/QMS-00361	15433	Aug. 24, 22	Aug. 23, 23
Radio Communication Analyzer	ANRITSU	MT8820C	6201465426	Feb. 15,22	Feb. 14,23
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May.12,22	May.11,23
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.12,22	May.11,23
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Feb. 21,22	Feb.20,23
3m Semi-anechoic Chamber	ETS-LINDGRE N	9m*6m*6m	Euroshieldpn- CT0001143-121 6	May. 19,20	May. 18,23
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	JS1120	3.1.36	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	May. 07,22	May. 06,23
Power Meter	Anritsu	ML2495A	1506002	Feb. 22,22	Feb. 21,23
Power Sensor	Anritsu	MA2411B	1339352	May. 07,22	May. 06,23
Temperature Chamber	ESPEC	SH-242	93000855	May. 12,22	May. 11,23
MXG Analog Microwave Signal Generator	KEYSIGHT	N5183A	MY50143024	Feb. 18,22	Feb. 17,23
Base station R&S CMW500	Rohde&Schwa rz	CMW500	153085	May.12,22	May.11,23
DC Source	Kikusui/JP	PMX18-5A	0000001	Aug. 25,21	Aug. 24,22
DC Source	Kikusui/JP	PMX18-5A	0000001	Aug. 24,22	Aug. 23,23

- 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

<b>PRODUCT</b>	Tablet PC	
<b>BRAND NAME</b>	NOKIA	
<b>MODEL NAME</b>	TA-1495	
<b>NOMINAL VOLTAGE</b>	5.0Vdc(adapter or host equipment) 3.85Vdc (Li-ion, battery)	
<b>MODULATION TECHNOLOGY</b>	LTE	QPSK, 16QAM, 64QAM
<b>FREQUENCY RANGE</b>	LTE Band 7 Channel Bandwidth: 5MHz	2502.5MHz ~ 2567.5MHz
	LTE Band 7 Channel Bandwidth: 10MHz	2505MHz ~ 2565MHz
	LTE Band 7 Channel Bandwidth: 15MHz	2507.5MHz ~ 2562.5MHz
	LTE Band 7 Channel Bandwidth: 20MHz	2510MHz ~ 2560MHz
	LTE Band 38 Channel Bandwidth: 5MHz	2572.5MHz ~ 2617.5MHz
	LTE Band 38 Channel Bandwidth: 10MHz	2575MHz ~ 2615MHz
	LTE Band 38 Channel Bandwidth: 15MHz	2577.5MHz ~ 2612.5MHz
	LTE Band 38 Channel Bandwidth: 20MHz	2580MHz ~ 2610MHz
	LTE Band 41 Channel Bandwidth: 5MHz	2498.5MHz ~ 2687.5MHz
	LTE Band 41 Channel Bandwidth: 10MHz	2501MHz ~ 2685MHz
	LTE Band 41 Channel Bandwidth: 15MHz	2503.5MHz ~ 2682.5MHz
	LTE Band 41 Channel Bandwidth: 20MHz	2506MHz ~ 2680MHz
	LTE Band CA_41C Channel Bandwidth: 5MHz+20MHz	2499.3MHz ~ 2680MHz
	LTE Band CA_41C Channel Bandwidth: 10MHz+15MHz	2501.3MHz ~ 2682.5MHz
	LTE Band CA_41C Channel Bandwidth: 10MHz+20MHz	2501.5MHz ~ 2680MHz





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FREQUENCY RANGE	LTE Band CA_41C Channel Bandwidth: 15MHz+10MHz	2503.5MHz ~ 2684.7MHz
	LTE Band CA_41C Channel Bandwidth: 15MHz+15MHz	2403.5MHz ~ 2682.5MHz
	LTE Band CA_41C Channel Bandwidth: 15MHz+20MHz	2503.8MHz ~ 2680MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+5MHz	2506.0MHz ~ 2686.7MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+10MHz	2506.0MHz ~ 2684.5MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+15MHz	2506.0MHz ~ 2682.2MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+20MHz	2506.0MHz ~ 2680MHz
MAX. EIRP POWER	LTE Band 7 Channel Bandwidth: 5MHz	142.89mW
	LTE Band 7 Channel Bandwidth: 10MHz	141.58mW
	LTE Band 7 Channel Bandwidth: 15MHz	142.89mW
	LTE Band 7 Channel Bandwidth: 20MHz	143.88mW
	LTE Band 38 Channel Bandwidth: 5MHz	138.04mW
	LTE Band 38 Channel Bandwidth: 10MHz	138.36mW
	LTE Band 38 Channel Bandwidth: 15MHz	138.68mW
	LTE Band 38 Channel Bandwidth: 20MHz	139.64mW
	LTE Band 41 Channel Bandwidth: 5MHz	145.88mW
	LTE Band 41 Channel Bandwidth: 10MHz	143.55mW
	LTE Band 41 Channel Bandwidth: 15MHz	146.55mW
	LTE Band 41 Channel Bandwidth: 20MHz	148.59mW



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<b>MAX. EIRP POWER</b>	LTE Band CA_41C Channel Bandwidth: 5MHz+20MHz	128.23mW
	LTE Band CA_41C Channel Bandwidth: 20MHz+5MHz	130.32mW
	LTE Band CA_41C Channel Bandwidth: 10MHz+15MHz	130.92mW
	LTE Band CA_41C Channel Bandwidth: 15MHz+10MHz	131.22mW
	LTE Band CA_41C Channel Bandwidth: 15MHz+15MHz	134.28mW
	LTE Band CA_41C Channel Bandwidth: 10MHz+20MHz	133.66mW
	LTE Band CA_41C Channel Bandwidth: 20MHz+10MHz	136.14mW
	LTE Band CA_41C Channel Bandwidth: 15MHz+20MHz	137.72mW
	LTE Band CA_41C Channel Bandwidth: 20MHz+15MHz	140.93mW
	LTE Band CA_41C Channel Bandwidth: 20MHz+20MHz	148.25mW
	<b>EMISSION DESIGNATOR</b>	LTE Band 7 Channel Bandwidth: 5MHz
16QAM: 4M50W7D		
64QAM: 4M49W7D		
LTE Band 7 Channel Bandwidth: 10MHz		QPSK: 8M99G7D
		16QAM: 8M98W7D
		64QAM: 8M98W7D
LTE Band 7 Channel Bandwidth: 15MHz		QPSK: 13M5G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D
LTE Band 7 Channel Bandwidth: 20MHz		QPSK: 18M0G7D
		16QAM: 18M0W7D
		64QAM: 18M0W7D

<b>EMISSION DESIGNATOR</b>	<b>LTE Band 41 Channel Bandwidth: 5MHz</b>	QPSK: 4M50G7D
		16QAM: 4M49W7D
		64QAM: 4M50W7D
	<b>LTE Band 41 Channel Bandwidth: 10MHz</b>	QPSK: 8M99G7D
		16QAM: 8M98W7D
		64QAM: 8M97W7D
	<b>LTE Band 41 Channel Bandwidth: 15MHz</b>	QPSK: 13M5G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D
	<b>LTE Band 41 Channel Bandwidth: 20MHz</b>	QPSK: 17M9G7D
		16QAM: 17M9W7D
		64QAM: 18M0W7D
	<b>LTE Band CA_41C Channel Bandwidth: 5MHz+20MHz</b>	QPSK: 22M9G7D
		16QAM: 23M0W7D
		64QAM: 22M9W7D
	<b>LTE Band CA_41C Channel Bandwidth: 10MHz+15MHz</b>	QPSK: 23M3G7D
		16QAM: 23M3W7D
		64QAM: 23M3W7D
	<b>LTE Band CA_41C Channel Bandwidth: 10MHz+20MHz</b>	QPSK: 27M9G7D
		16QAM: 27M9W7D
		64QAM: 27M9W7D
	<b>LTE Band CA_41C Channel Bandwidth: 15MHz +10MHz</b>	QPSK: 23M3G7D
		16QAM: 23M3W7D
		64QAM: 23M3W7D
<b>LTE Band CA_41C Channel Bandwidth: 15MHz +15MHz</b>	QPSK: 28M5G7D	
	16QAM: 28M5W7D	
	64QAM: 28M5W7D	
<b>LTE Band CA_41C Channel Bandwidth: 15MHz +20MHz</b>	QPSK: 32M8G7D	
	16QAM: 32M8W7D	
	64QAM: 32M8W7D	



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<b>EMISSION DESIGNATOR</b>	LTE Band CA_41C Channel Bandwidth: 20MHz +5MHz	QPSK: 22M9G7D
		16QAM: 22M9W7D
		64QAM: 22M9W7D
	LTE Band CA_41C Channel Bandwidth: 20MHz +10MHz	QPSK: 27M9G7D
		16QAM: 27M8W7D
		64QAM: 27M8W7D
	LTE Band CA_41C Channel Bandwidth: 20MHz +15MHz	QPSK: 32M8G7D
		16QAM: 32M8W7D
		64QAM: 32M8W7D
	LTE Band CA_41C Channel Bandwidth: 20MHz +20MHz	QPSK: 37M7G7D
		16QAM: 37M7W7D
		64QAM: 37M7W7D
<b>ANTENNA TYPE</b>	Fixed Internal Antenna with -0.85dBi gain for LTE7 Fixed Internal Antenna with -0.85dBi gain for LTE38 Fixed Internal Antenna with -0.85dBi gain for LTE41/ LTE41C	
<b>HW VERSION</b>	EM_U1630_V1.2 L20	
<b>SW VERSION</b>	V0.492_B01	
<b>I/O PORTS</b>	Refer to user's manual	
<b>CABLE SUPPLIED</b>	USB cable: non-shielded cable, with w/o ferrite core, 1 meter Earphone: non-shielded cable, with w/o ferrite core, 1.5 meter	
<b>EXTREME TEMPERATURE</b>	0-40 °C	
<b>EXTREME VOLTAGE</b>	3.6V - 4. 4V	

**NOTE:**

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

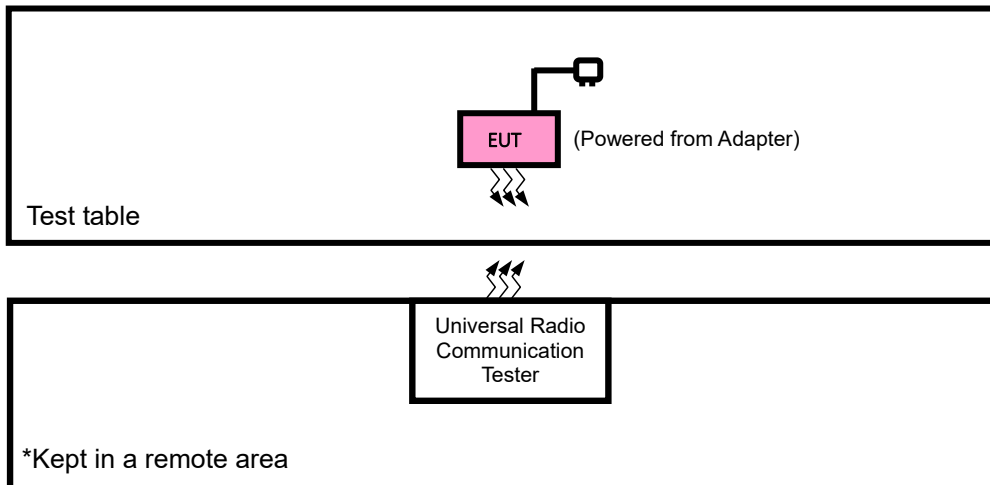


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**List of Accessory:**

ACCESSORIES	BRAND	MANUFACTURER	MODEL	SPECIFICATION
Battery	NOKIA	Guangdong Fenghua New Energy Co., Ltd.	WTT80	Capacity: 3.8 Vdc, 8000mAh
AC Adapter	NOKIA	Shenzhen Baijunda Electronic Co., Ltd	AD-010U	I/P: 100-240Vac, 0.35A, O/P: 5.0Vdc, 2.0A
Earphone	NOKIA	JUWEI ELECTRONICS CO., LTD	JWEP1242-W09 H	Signal Line, 1.5meter
USB Cable	NOKIA	Saibao (Jiangxi) Industrial Co., Ltd	AC-2A	Signal Line, 1.0meter

## 2.2 CONFIGURATION OF SYSTEM UNDER TEST FOR RADIATION EMISSION TEST





### 2.3 DESCRIPTION OF SUPPORT UNITS

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

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

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

### 2.4 TEST ITEM AND TEST CONFIGURATION

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

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

**LTE BAND 7 MODE**

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

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



**LTE BAND 38 MODE**

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

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

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

**LTE BAND 41 MODE**

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



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			41540	10MHz	QPSK, 16QAM, 64QAM	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
		39725 to 41515	39725	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						75 RB / 0 RB Offset
		39750 to 41490	41515	15MHz	QPSK, 16QAM, 64QAM	1 RB / 74 RB Offset
						75 RB / 0 RB Offset
		39750 to 41490	39750	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
						100 RB / 0 RB Offset
		39750 to 41490	41490	20MHz	QPSK, 16QAM, 64QAM	1 RB / 99 RB Offset
						100 RB / 0 RB Offset
<b>A</b>	CONDCUDET ED EMISSION	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB Offset
<b>A</b>	RADIATED EMISSION	39675 to 41565	40620	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK	1 RB / 0 RB Offset
		39725 to 41515	40620	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	40620	20MHz	QPSK	1 RB / 0 RB Offset

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

**LTE BAND CA\_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
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



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		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
							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
		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
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		
					1RB/ 74RB Offset	1RB/ 0RB Offset		



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A	BAND EDGE	39725 to 41417	39845 to 41537	Low	15MHz+10MHz	QPSK, 16QAM, 64QAM	75RB/ 0RB Offset	75RB/ 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		
						High	10MHz+15MHz		QPSK, 16QAM, 64QAM	1RB/ 49RB Offset	1RB/ 0RB Offset	
		50RB/ 0RB Offset	75RB/ 0RB Offset									
		1RB/ 0RB Offset	1RB/ 74RB Offset									
		39750 to 41440	39867 to 41557			Low	20MHz+5MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 24RB Offset		
						High	20MHz+5MHz		QPSK, 16QAM, 64QAM	1RB/ 99RB Offset	1RB/ 0RB Offset	
				100RB/ 0RB Offset	25RB/ 0RB Offset							
				1RB/ 0RB Offset	1RB/ 24RB Offset							
				39683 to 41373	39800 to 41490	Low	5MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 99RB Offset		
						High	5MHz+20MHz		QPSK, 16QAM, 64QAM	1RB/ 24RB Offset	1RB/ 0RB Offset	
		25RB/ 0RB Offset	100RB/ 0RB Offset									
		1RB/ 0RB Offset	1RB/ 99RB Offset									
		39750 to 41292	39948 to 41490			Low	20MHz+20MHz	QPSK, 16QAM, 64QAM	1RB/ 0RB Offset	1RB/ 99RB Offset		
						High	20MHz+20MHz		QPSK, 16QAM, 64QAM	1RB/ 99RB Offset	1RB/ 0RB Offset	
				100RB/ 0RB Offset	100RB/ 0RB Offset							
				1RB/ 0RB Offset	1RB/ 99RB Offset							
											1RB/ 99RB Offset	1RB/ 0RB Offset



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							100RB/ 0RB Offset	100RB/ 0RB Offset
A	CONDCUETED 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	Middle,	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	Low, Middle, High	5MHz +20MHz	QPSK,	1RB/ 24RB Offset	1RB/ 0RB Offset



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		39750 to 41341	39921 to 41512	Middle,	20MHz+15MHz	QPSK,	1RB / 99RB Offset 1RB / 0RB Offset	1RB/ 0RB Offset
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**Note:** 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.



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**TEST CONDITION:**

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP&EIRP	23deg. C, 70%RH	DC 5V By Adapter	Jace Hu
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.8V By Battery	James Fu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC5V By Adapter	James Fu
BAND EDGE	23deg. C, 70%RH	DC 5V By Adapter	James Fu
CONDCUDED EMISSION	23deg. C, 70%RH	DC5V By Adapter	James Fu
RADIATED EMISSION	23deg. C, 70%RH	DC5V By Adapter	Jace Hu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC5V By Adapter	James Fu





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## 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.”

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

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

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively  
(expressed in the same units as  $P_{\text{Meas}}$ , typically dBW or dBm);

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

$G_{\text{T}}$  = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

$L_{\text{c}}$  = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

###### **CONDUCTED POWER MEASUREMENT:**

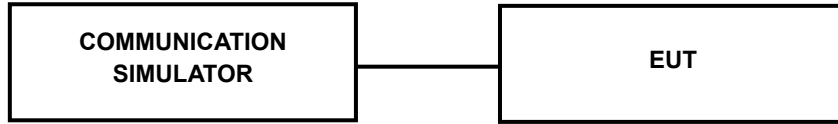
- a. The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
- b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.



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### 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 7

Band/BW	Modulation	RB Size	RB Offset	Low CH 20775	Mid CH 21100	High CH 21425
				Frequency 2502.5 MHz	Frequency 2535 MHz	Frequency 2567.5 MHz
7/5	QPSK	1	0	22.26	22.03	22.15
		1	12	22.22	22.07	22.23
		1	24	22.39	22.14	22.40
		12	0	21.14	20.92	21.09
		12	6	21.12	20.91	21.18
		12	13	21.22	21.01	21.23
		25	0	21.13	20.90	21.13
	16QAM	1	0	21.31	21.06	21.29
		1	12	21.35	21.22	21.35
		1	24	21.47	21.25	21.50
		12	0	20.25	19.98	20.20
		12	6	20.25	20.04	20.31
		12	13	20.33	20.17	20.25
		25	0	20.27	20.10	20.29
	64QAM	1	0	20.65	20.38	20.57
		1	12	20.62	20.43	20.62
		1	24	20.64	20.40	20.61
		12	0	19.28	19.10	19.21
		12	6	19.24	19.09	19.28
		12	13	19.44	19.23	19.35
		25	0	19.30	19.16	19.21

Band/BW	Modulation	RB Size	RB Offset	Low CH 20800	Mid CH 21100	High CH 21400
				Frequency 2505 MHz	Frequency 2535 MHz	Frequency 2565 MHz
7/ 10	QPSK	1	0	22.24	22.00	22.18
		1	24	22.28	22.00	22.27
		1	49	22.35	22.15	22.36
		25	0	21.18	20.86	21.13
		25	12	21.11	20.92	21.15
		25	25	21.27	20.97	21.26
		50	0	21.13	20.91	21.10
	16QAM	1	0	21.33	21.04	21.35
		1	24	21.40	21.22	21.33
		1	49	21.49	21.22	21.46
		25	0	20.30	19.99	20.23
		25	12	20.30	20.01	20.32
		25	25	20.33	20.15	20.26
		50	0	20.33	20.03	20.30
	64QAM	1	0	20.61	20.39	20.60
		1	24	20.67	20.38	20.62
		1	49	20.66	20.38	20.64
		25	0	19.28	19.04	19.22
		25	12	19.31	19.08	19.22
		25	25	19.43	19.20	19.37
		50	0	19.35	19.12	19.22

Band/BW	Modulation	RB Size	RB Offset	Low CH 20825	Mid CH 21100	High CH 21375
				Frequency 2507.5 MHz	Frequency 2535 MHz	Frequency 2562.5 MHz
7/ 15	QPSK	1	0	22.29	22.06	22.12
		1	37	22.23	22.00	22.22
		1	74	22.40	22.13	22.39
		36	0	21.18	20.87	21.09
		36	19	21.13	20.88	21.18
		36	39	21.28	20.95	21.27
		75	0	21.07	20.94	21.10
	16QAM	1	0	21.37	21.04	21.36
		1	37	21.33	21.20	21.36
		1	74	21.51	21.24	21.50
		36	0	20.29	19.98	20.20
		36	19	20.26	20.01	20.31
		36	39	20.40	20.17	20.23
		75	0	20.30	20.03	20.25
	64QAM	1	0	20.68	20.37	20.63
		1	37	20.68	20.37	20.59
		1	74	20.62	20.37	20.67
		36	0	19.33	19.10	19.16
		36	19	19.25	19.02	19.24
		36	39	19.46	19.27	19.39
		75	0	19.34	19.10	19.23

Band/BW	Modulation	RB Size	RB Offset	Low CH 20850	Mid CH 21100	High CH 21350
				Frequency 2510 MHz	Frequency 2535 MHz	Frequency 2560 MHz
7/ 20	QPSK	1	0	22.19	<b>22.43</b>	22.41
		1	50	22.08	22.30	22.28
		1	99	22.08	22.30	22.20
		50	0	21.03	21.30	21.28
		50	25	20.96	21.19	21.20
		50	50	20.94	21.20	21.14
		100	0	20.98	21.15	21.15
	16QAM	1	0	21.12	21.39	21.37
		1	50	21.24	21.41	21.41
		1	99	21.30	21.54	21.52
		50	0	20.05	20.31	20.25
		50	25	20.09	20.32	20.33
		50	50	20.19	20.41	20.31
		100	0	20.11	20.35	20.31
	64QAM	1	0	20.43	20.69	20.65
		1	50	20.44	20.70	20.64
		1	99	20.45	20.68	20.69
		50	0	19.12	19.34	19.24
		50	25	19.10	19.32	19.30
		50	50	19.28	19.48	19.43
		100	0	19.18	19.36	19.24



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LTE Band 38

Band/BW	Modulation	RB Size	RB Offset	Low CH 37775	Mid CH 38000	High CH 38225
				Frequency 2572.5 MHz	Frequency 2595 MHz	Frequency 2617.5MHz
38/ 5	QPSK	1	0	22.25	22.08	22.22
		1	12	22.21	22.04	22.09
		1	24	22.16	22.10	22.15
		12	0	21.35	21.22	21.23
		12	6	21.22	21.14	21.16
		12	13	21.32	21.20	21.30
		25	0	21.23	21.13	21.15
	16QAM	1	0	21.61	21.42	21.57
		1	12	21.80	21.65	21.73
		1	24	21.57	21.54	21.52
		12	0	20.43	20.28	20.41
		12	6	20.43	20.35	20.39
		12	13	20.38	20.26	20.36
		25	0	20.45	20.35	20.36
	64QAM	1	0	19.97	19.91	19.99
		1	12	19.98	19.85	19.79
		1	24	19.83	19.76	19.80
		12	0	19.59	19.42	19.46
		12	6	19.42	19.34	19.30
		12	13	19.36	19.31	19.27
		25	0	19.48	19.34	19.42



Band/BW	Modulation	RB Size	RB Offset	Low CH 37800	Mid CH 38000	High CH 38200
				Frequency 2575 MHz	Frequency 2595 MHz	Frequency 2615 MHz
38/ 10	QPSK	1	0	22.26	22.11	22.22
		1	24	22.19	22.07	22.09
		1	49	22.17	22.06	22.18
		25	0	21.31	21.25	21.19
		25	12	21.26	21.08	21.19
		25	25	21.31	21.19	21.24
		50	0	21.25	21.13	21.14
	16QAM	1	0	21.56	21.45	21.57
		1	24	21.82	21.64	21.76
		1	49	21.56	21.51	21.56
		25	0	20.42	20.31	20.37
		25	12	20.41	20.41	20.42
		25	25	20.41	20.26	20.30
		50	0	20.45	20.36	20.40
	64QAM	1	0	20.01	19.87	19.93
		1	24	19.96	19.88	19.84
		1	49	19.83	19.76	19.80
		25	0	19.56	19.42	19.52
		25	12	19.40	19.34	19.28
		25	25	19.42	19.24	19.27
		50	0	19.49	19.37	19.41



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Band/BW	Modulation	RB Size	RB Offset	Low CH 37825	Mid CH 38000	High CH 38175
				Frequency 2577.5 MHz	Frequency 2595 MHz	Frequency 2612.5MHz
38/ 15	QPSK	1	0	22.27	22.10	22.21
		1	37	22.23	22.02	22.09
		1	74	22.18	22.03	22.18
		36	0	21.38	21.25	21.16
		36	19	21.21	21.08	21.15
		36	39	21.36	21.19	21.30
		75	0	21.29	21.08	21.15
	16QAM	1	0	21.57	21.42	21.57
		1	37	21.86	21.63	21.80
		1	74	21.55	21.52	21.53
		36	0	20.48	20.25	20.42
		36	19	20.41	20.38	20.39
		36	39	20.42	20.25	20.36
		75	0	20.51	20.30	20.37
	64QAM	1	0	19.99	19.84	19.99
		1	37	20.01	19.88	19.79
		1	74	19.86	19.69	19.76
		36	0	19.62	19.41	19.52
		36	19	19.47	19.34	19.25
		36	39	19.43	19.30	19.21
		75	0	19.53	19.32	19.39

Band/BW	Modulation	RB Size	RB Offset	Low CH 37850	Mid CH 38000	High CH 38150
				Frequency 2580 MHz	Frequency 2595 MHz	Frequency 2610 MHz
38/ 20	QPSK	1	0	22.30	22.16	22.23
		1	50	22.25	22.09	22.14
		1	99	22.24	22.11	22.20
		50	0	21.39	21.27	21.24
		50	25	21.28	21.16	21.21
		50	50	21.39	21.25	21.32
		100	0	21.31	21.15	21.20
	16QAM	1	0	21.63	21.50	21.59
		1	50	21.88	21.71	21.81
		1	99	21.63	21.56	21.58
		50	0	20.50	20.33	20.43
		50	25	20.49	20.42	20.44
		50	50	20.45	20.31	20.38
		100	0	20.53	20.37	20.42
	64QAM	1	0	20.05	19.92	20.01
		1	50	20.02	19.90	19.87
		1	99	19.91	19.77	19.82
		50	0	19.63	19.47	19.54
		50	25	19.48	19.36	19.33
		50	50	19.44	19.32	19.29
		100	0	19.55	19.39	19.44



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LTE Band 41

Band/BW	Modulation	RB Size	RB Offset	Low CH (39675)	Mid CH (40620)	High CH (41565)
				Frequency (2498.5)MHz	Frequency (2593)MHz	Frequency (2687.5)MHz
41/ 5	QPSK	1	0	22.49	22.33	22.32
		1	12	22.31	22.18	22.15
		1	24	22.23	22.18	22.06
		12	0	21.40	21.35	21.35
		12	6	21.43	21.30	21.20
		12	13	21.40	21.37	21.36
		25	0	21.32	21.19	21.19
	16QAM	1	0	21.52	21.47	21.46
		1	12	21.69	21.63	21.57
		1	24	21.75	21.71	21.61
		12	0	20.31	20.22	20.30
		12	6	20.26	20.23	20.19
		12	13	20.38	20.28	20.32
		25	0	20.39	20.27	20.27
	64QAM	1	0	20.11	20.02	20.06
		1	12	20.05	19.95	19.86
		1	24	20.03	20.07	20.07
		12	0	19.44	19.26	19.29
		12	6	19.20	19.18	19.17
		12	13	19.43	19.25	19.29
		25	0	19.34	19.29	19.21

Band/BW	Modulation	RB Size	RB Offset	Low CH (39700)	Mid CH (40620)	High CH (41540)
				Frequency (2501)MHz	Frequency (2593)MHz	Frequency (2685)MHz
41/ 10	QPSK	1	0	22.42	22.29	22.26
		1	24	22.35	22.23	22.23
		1	49	22.19	22.11	22.08
		25	0	21.46	21.41	21.35
		25	12	21.49	21.27	21.26
		25	25	21.40	21.42	21.38
		50	0	21.42	21.14	21.19
	16QAM	1	0	21.52	21.39	21.46
		1	24	21.77	21.69	21.59
		1	49	21.80	21.65	21.62
		25	0	20.35	20.32	20.20
		25	12	20.36	20.29	20.17
		25	25	20.33	20.28	20.27
		50	0	20.49	20.32	20.21
	64QAM	1	0	20.06	20.02	20.09
		1	24	20.13	20.00	19.85
		1	49	20.15	20.01	20.02
		25	0	19.43	19.32	19.24
		25	12	19.34	19.09	19.20
		25	25	19.39	19.23	19.25
		50	0	19.44	19.31	19.22



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Band/BW	Modulation	RB Size	RB Offset	Low CH (39725)	Mid CH (40620)	High CH (41515)
				Frequency (2503.5)MHz	Frequency (2593)MHz	Frequency (2682.5)MHz
41/ 15	QPSK	1	0	22.51	22.26	22.27
		1	37	22.28	22.17	22.23
		1	74	22.25	22.11	22.06
		36	0	21.38	21.42	21.40
		36	19	21.48	21.24	21.20
		36	39	21.36	21.42	21.40
		75	0	21.38	21.23	21.13
	16QAM	1	0	21.61	21.44	21.49
		1	37	21.71	21.66	21.55
		1	74	21.75	21.70	21.67
		36	0	20.43	20.30	20.28
		36	19	20.26	20.24	20.22
		36	39	20.45	20.28	20.29
		75	0	20.47	20.20	20.26
	64QAM	1	0	20.15	20.06	20.04
		1	37	20.12	19.92	19.85
		1	74	20.11	20.08	20.07
		36	0	19.46	19.23	19.29
		36	19	19.27	19.18	19.20
		36	39	19.39	19.26	19.28
		75	0	19.42	19.33	19.27



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Band/BW	Modulation	RB Size	RB Offset	Low CH (39750)	Mid CH (40620)	High CH (41490)
				Frequency (2506)MHz	Frequency (2593)MHz	Frequency (2680)MHz
41/ 20	QPSK	1	0	22.31	22.38	22.09
		1	50	22.31	22.46	22.20
		1	99	22.54	22.57	22.33
		50	0	21.46	21.58	21.35
		50	25	21.46	21.54	21.28
		50	50	21.44	21.56	21.43
		100	0	21.42	21.40	21.21
	16QAM	1	0	21.58	21.69	21.51
		1	50	21.77	21.87	21.61
		1	99	21.77	21.90	21.70
		50	0	20.41	20.41	20.26
		50	25	20.33	20.46	20.23
		50	50	20.41	20.51	20.34
		100	0	20.45	20.55	20.26
	64QAM	1	0	20.18	20.27	20.08
		1	50	20.11	20.20	19.97
		1	99	20.15	20.19	20.02
		50	0	19.49	19.59	19.33
		50	25	19.28	19.41	19.23
		50	50	19.45	19.52	19.27
		100	0	19.40	19.45	19.26



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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	24	0	0	1	21.93
		16QAM	1	24	0	0	1	20.83
		64QAM	1	24	0	0	1	19.94
40528	40645	QPSK	1	24	0	0	1	21.43
		16QAM	1	24	0	0	1	20.73
		64QAM	1	24	0	0	1	19.57
41373	41490	QPSK	1	24	0	0	1	21.86
		16QAM	1	24	0	0	1	20.99
		64QAM	1	24	0	0	1	19.87
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	49	0	0	1	22.02
		16QAM	1	49	0	0	1	20.92
		64QAM	1	49	0	0	1	19.97
40549	40669	QPSK	1	49	0	0	1	21.52
		16QAM	1	49	0	0	1	20.77
		64QAM	1	49	0	0	1	19.72
41395	41515	QPSK	1	49	0	0	1	21.99
		16QAM	1	49	0	0	1	21.09
		64QAM	1	49	0	0	1	19.92



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	49	0	0	1	22.11
		16QAM	1	49	0	0	1	21.18
		64QAM	1	49	0	0	1	20.01
40526	40670	QPSK	1	49	0	0	1	21.73
		16QAM	1	49	0	0	1	20.88
		64QAM	1	49	0	0	1	19.82
41346	41490	QPSK	1	49	0	0	1	22.10
		16QAM	1	49	0	0	1	20.95
		64QAM	1	49	0	0	1	20.02
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	74	0	0	1	22.03
		16QAM	1	74	0	0	1	21.09
		64QAM	1	74	0	0	1	20.00
40571	40691	QPSK	1	74	0	0	1	21.57
		16QAM	1	74	0	0	1	20.76
		64QAM	1	74	0	0	1	19.75
41417	41537	QPSK	1	74	0	0	1	22.03
		16QAM	1	74	0	0	1	20.95
		64QAM	1	74	0	0	1	19.98

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	74	0	0	1	22.13
		16QAM	1	74	0	0	1	21.12
		64QAM	1	74	0	0	1	20.04
40545	40695	QPSK	1	74	0	0	1	21.65
		16QAM	1	74	0	0	1	20.85
		64QAM	1	74	0	0	1	19.77
41365	41515	QPSK	1	74	0	0	1	22.03
		16QAM	1	74	0	0	1	20.97
		64QAM	1	74	0	0	1	19.99
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	74	0	0	1	22.24
		16QAM	1	74	0	0	1	21.24
		64QAM	1	74	0	0	1	20.07
40523	40694	QPSK	1	74	0	0	1	21.82
		16QAM	1	74	0	0	1	20.94
		64QAM	1	74	0	0	1	19.93
41319	41490	QPSK	1	74	0	0	1	22.14
		16QAM	1	74	0	0	1	21.03
		64QAM	1	74	0	0	1	20.02

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	0	0	1	22.19
		16QAM	1	99	0	0	1	21.21
		64QAM	1	99	0	0	1	20.11
40571	40715	QPSK	1	99	0	0	1	21.77
		16QAM	1	99	0	0	1	20.92
		64QAM	1	99	0	0	1	19.88
41391	41535	QPSK	1	99	0	0	1	22.11
		16QAM	1	99	0	0	1	20.97
		64QAM	1	99	0	0	1	20.00
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	0	0	1	22.34
		16QAM	1	99	0	0	1	21.59
		64QAM	1	99	0	0	1	20.18
40546	40717	QPSK	1	99	0	0	1	21.94
		16QAM	1	99	0	0	1	21.29
		64QAM	1	99	0	0	1	20.03
41341	41512	QPSK	1	99	0	0	1	22.17
		16QAM	1	99	0	0	1	21.11
		64QAM	1	99	0	0	1	20.08



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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	99	0	0	1	22.56
		16QAM	1	99	0	0	1	21.83
		64QAM	1	99	0	0	1	20.21
40521	40719	QPSK	1	99	0	0	1	22.26
		16QAM	1	99	0	0	1	21.74
		64QAM	1	99	0	0	1	20.22
41292	41490	QPSK	1	99	0	0	1	22.54
		16QAM	1	99	0	0	1	21.81
		64QAM	1	99	0	0	1	20.10



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EIRP

**LTE BAND 7**  
**CHANNEL BANDWIDTH: 5MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20775	2502.5	22.39	-0.85	21.54	142.56	2
21100	2535.0	22.14	-0.85	21.29	134.59	2
21425	2567.5	22.4	-0.85	21.55	142.89	2

**CHANNEL BANDWIDTH: 5MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20775	2502.5	21.47	-0.85	20.62	115.35	2
21100	2535.0	21.25	-0.85	20.4	109.65	2
21425	2567.5	21.5	-0.85	20.65	116.14	2

**CHANNEL BANDWIDTH: 5MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20775	2502.5	20.65	-0.85	19.8	95.5	2
21100	2535	20.43	-0.85	19.58	90.78	2
21425	2567.5	20.62	-0.85	19.77	94.84	2



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**CHANNEL BANDWIDTH: 10MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20800	2505.0	22.35	-0.85	21.5	141.25	2
21100	2535.0	22.15	-0.85	21.3	134.9	2
21400	2565.0	22.36	-0.85	21.51	141.58	2

**CHANNEL BANDWIDTH: 10MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20800	2505.0	21.49	-0.85	20.64	115.88	2
21100	2535.0	21.22	-0.85	20.37	108.89	2
21400	2565.0	21.46	-0.85	20.61	115.08	2

**CHANNEL BANDWIDTH: 10MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20800	2505	20.67	-0.85	19.82	95.94	2
21100	2535	20.39	-0.85	19.54	89.95	2
21400	2565	20.64	-0.85	19.79	95.28	2

**CHANNEL BANDWIDTH: 15MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	22.4	-0.85	21.55	142.89	2
21100	2535.0	22.13	-0.85	21.28	134.28	2
21375	2562.5	22.39	-0.85	21.54	142.56	2

**CHANNEL BANDWIDTH: 15MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	21.51	-0.85	20.66	116.41	2
21100	2535.0	21.24	-0.85	20.39	109.4	2
21375	2562.5	21.5	-0.85	20.65	116.14	2

**CHANNEL BANDWIDTH: 15MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	20.68	-0.85	19.83	96.16	2
21100	2535	20.37	-0.85	19.52	89.54	2
21375	2562.5	20.67	-0.85	19.82	95.94	2



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**CHANNEL BANDWIDTH: 20MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	22.19	-0.85	21.34	136.14	2
21100	2535.0	22.43	-0.85	21.58	143.88	2
21350	2560.0	22.41	-0.85	21.56	143.22	2

**CHANNEL BANDWIDTH: 20MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21.3	-0.85	20.45	110.92	2
21100	2535.0	21.54	-0.85	20.69	117.22	2
21350	2560.0	21.52	-0.85	20.67	116.68	2

**CHANNEL BANDWIDTH: 20MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510	20.45	-0.85	19.6	91.2	2
21100	2535	20.7	-0.85	19.85	96.61	2
21350	2560	20.69	-0.85	19.84	96.38	2





**BUREAU  
VERITAS**

Test Report No.: W7L-P22080003RF06

**LTE BAND 38**

**CHANNEL BANDWIDTH: 5MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37775	2572.5	22.25	-0.85	21.4	138.04	2
38000	2595.0	22.1	-0.85	21.25	133.35	2
38225	2617.5	22.22	-0.85	21.37	137.09	2

**CHANNEL BANDWIDTH: 5MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37775	2572.5	21.8	-0.85	20.95	124.45	2
38000	2595.0	21.65	-0.85	20.8	120.23	2
38225	2617.5	21.73	-0.85	20.88	122.46	2

**CHANNEL BANDWIDTH: 5MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37775	2572.5	19.98	-0.85	19.13	81.85	2
38000	2595	19.91	-0.85	19.06	80.54	2
38225	2617.5	19.99	-0.85	19.14	82.04	2



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Test Report No.: W7L-P22080003RF06

**CHANNEL BANDWIDTH: 10MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37800	2575.0	22.26	-0.85	21.41	138.36	2
38000	2595.0	22.11	-0.85	21.26	133.66	2
38200	2615.0	22.22	-0.85	21.37	137.09	2

**CHANNEL BANDWIDTH: 10MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37800	2575.0	21.82	-0.85	20.97	125.03	2
38000	2595.0	21.64	-0.85	20.79	119.95	2
38200	2615.0	21.76	-0.85	20.91	123.31	2

**CHANNEL BANDWIDTH: 10MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37800	2575	20.01	-0.85	19.16	82.41	2
38000	2595	19.88	-0.85	19.03	79.98	2
38200	2615	19.93	-0.85	19.08	80.91	2



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Test Report No.: W7L-P22080003RF06

**CHANNEL BANDWIDTH: 15MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37825	2577.5	22.27	-0.85	21.42	138.68	2
38000	2595.0	22.1	-0.85	21.25	133.35	2
38175	2612.5	22.21	-0.85	21.36	136.77	2

**CHANNEL BANDWIDTH: 15MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37825	2577.5	21.86	-0.85	21.01	126.18	2
38000	2595.0	21.63	-0.85	20.78	119.67	2
38175	2612.5	21.8	-0.85	20.95	124.45	2

**CHANNEL BANDWIDTH: 15MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37825	2577.5	20.01	-0.85	19.16	82.41	2
38000	2595	19.88	-0.85	19.03	79.98	2
38175	2612.5	19.99	-0.85	19.14	82.04	2



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Test Report No.: W7L-P22080003RF06

**CHANNEL BANDWIDTH: 20MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37850	2580.0	22.3	-0.85	21.45	139.64	2
38000	2595.0	22.16	-0.85	21.31	135.21	2
38150	2610.0	22.23	-0.85	21.38	137.4	2

**CHANNEL BANDWIDTH: 20MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37850	2580.0	21.88	-0.85	21.03	126.77	2
38000	2595.0	21.71	-0.85	20.86	121.9	2
38150	2610.0	21.81	-0.85	20.96	124.74	2

**CHANNEL BANDWIDTH: 20MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
37850	2580	20.05	-0.85	19.2	83.18	2
38000	2595	19.92	-0.85	19.07	80.72	2
38150	2610	20.01	-0.85	19.16	82.41	2



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Test Report No.: W7L-P22080003RF06

**LTE BAND 41**

**CHANNEL BANDWIDTH: 5MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39675	2498.5	22.49	-0.85	21.64	145.88	2
40620	2593.0	22.33	-0.85	21.48	140.6	2
41565	2687.5	22.32	-0.85	21.47	140.28	2

**CHANNEL BANDWIDTH: 5MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39675	2498.5	21.75	-0.85	20.9	123.03	2
40620	2593.0	21.71	-0.85	20.86	121.9	2
41565	2687.5	21.61	-0.85	20.76	119.12	2

**CHANNEL BANDWIDTH: 5MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39675	2498.5	20.11	-0.85	19.26	84.33	2
40620	2593.0	20.07	-0.85	19.22	83.56	2
41565	2687.5	20.07	-0.85	19.22	83.56	2



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Test Report No.: W7L-P22080003RF06

**CHANNEL BANDWIDTH: 10MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39700	2501.0	22.42	-0.85	21.57	143.55	2
40620	2593.0	22.29	-0.85	21.44	139.32	2
41540	2685.0	22.26	-0.85	21.41	138.36	2

**CHANNEL BANDWIDTH: 10MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39700	2501.0	21.8	-0.85	20.95	124.45	2
40620	2593.0	21.69	-0.85	20.84	121.34	2
41540	2685.0	21.62	-0.85	20.77	119.4	2

**CHANNEL BANDWIDTH: 10MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39700	2501.0	20.15	-0.85	19.3	85.11	2
40620	2593.0	20.02	-0.85	19.17	82.6	2
41540	2685.0	20.09	-0.85	19.24	83.95	2



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Test Report No.: W7L-P22080003RF06

**CHANNEL BANDWIDTH: 15MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39725	2503.5	22.51	-0.85	21.66	146.55	2
40620	2593.0	22.26	-0.85	21.41	138.36	2
41515	2682.5	22.27	-0.85	21.42	138.68	2

**CHANNEL BANDWIDTH: 15MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39725	2503.5	21.75	-0.85	20.9	123.03	2
40620	2593.0	21.7	-0.85	20.85	121.62	2
41515	2682.5	21.67	-0.85	20.82	120.78	2

**CHANNEL BANDWIDTH: 15MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39725	2503.5	20.15	-0.85	19.3	85.11	2
40620	2593.0	20.08	-0.85	19.23	83.75	2
41515	2682.5	20.07	-0.85	19.22	83.56	2



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**CHANNEL BANDWIDTH: 20MHz QPSK**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39750	2506.0	22.54	-0.85	21.69	147.57	2
40620	2593.0	22.57	-0.85	21.72	148.59	2
41490	2680.0	22.33	-0.85	21.48	140.6	2

**CHANNEL BANDWIDTH: 20MHz 16QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39750	2506.0	21.77	-0.85	20.92	123.59	2
40620	2593.0	21.9	-0.85	21.05	127.35	2
41490	2680.0	21.7	-0.85	20.85	121.62	2

**CHANNEL BANDWIDTH: 20 MHz 64QAM**

Channel	Frequency (MHz)	Conducted Power (dBm)	G <sub>T</sub> -L <sub>c</sub> (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39750	2506.0	20.18	-0.85	19.33	85.7	2
40620	2593.0	20.27	-0.85	19.42	87.5	2
41490	2680.0	20.08	-0.85	19.23	83.75	2





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Test Report No.: W7L-P22080003RF06

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	-0.85	21.08	128.23	2
40528	2583.8	40645	2595.5	21.43	-0.85	20.58	114.29	2
41373	2668.3	41490	2680	21.86	-0.85	21.01	126.18	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	-0.85	19.98	99.54	2
40528	2583.8	40645	2595.5	20.73	-0.85	19.88	97.27	2
41373	2668.3	41490	2680	20.99	-0.85	20.14	103.28	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	-0.85	19.09	81.1	2
40528	2583.8	40645	2595.5	19.57	-0.85	18.72	74.47	2
41373	2668.3	41490	2680	19.87	-0.85	19.02	79.8	2



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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	-0.85	21.15	130.32	2
40595	2590.5	40712	2602.2	21.48	-0.85	20.63	115.61	2
41440	2675	41557	2686.7	21.98	-0.85	21.13	129.72	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	-0.85	20.04	100.93	2
40595	2590.5	40712	2602.2	20.76	-0.85	19.91	97.95	2
41440	2675	41557	2686.7	21.03	-0.85	20.18	104.23	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	-0.85	19.11	81.47	2
40595	2590.5	40712	2602.2	19.62	-0.85	18.77	75.34	2
41440	2675	41557	2686.7	19.95	-0.85	19.1	81.28	2



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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	-0.85	21.17	130.92	2
40549	2585.9	40669	2597.9	21.52	-0.85	20.67	116.68	2
41395	2670.5	41515	2682.5	21.99	-0.85	21.14	130.02	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	-0.85	20.07	101.62	2
40549	2585.9	40669	2597.9	20.77	-0.85	19.92	98.17	2
41395	2670.5	41515	2682.5	21.09	-0.85	20.24	105.68	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	-0.85	19.12	81.66	2
40549	2585.9	40669	2597.9	19.72	-0.85	18.87	77.09	2
41395	2670.5	41515	2682.5	19.92	-0.85	19.07	80.72	2



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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	-0.85	21.18	131.22	2
40571	2588.1	40691	2600.1	21.57	-0.85	20.72	118.03	2
41417	2672.7	41537	2684.7	22.03	-0.85	21.18	131.22	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	21.09	-0.85	20.24	105.68	2
40571	2588.1	40691	2600.1	20.76	-0.85	19.91	97.95	2
41417	2672.7	41537	2684.7	20.95	-0.85	20.1	102.33	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	20	-0.85	19.15	82.22	2
40571	2588.1	40691	2600.1	19.75	-0.85	18.9	77.62	2
41417	2672.7	41537	2684.7	19.98	-0.85	19.13	81.85	2



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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	2503.5	39875	2518.5	22.13	-0.85	21.28	134.28	2
40545	2585.5	40695	2600.5	21.65	-0.85	20.8	120.23	2
41365	2667.5	41515	2682.5	22.03	-0.85	21.18	131.22	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	2503.5	39875	2518.5	21.12	-0.85	20.27	106.41	2
40545	2585.5	40695	2600.5	20.85	-0.85	20	100	2
41365	2667.5	41515	2682.5	20.97	-0.85	20.12	102.8	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	2503.5	39875	2518.5	20.04	-0.85	19.19	82.99	2
40545	2585.5	40695	2600.5	19.77	-0.85	18.92	77.98	2
41365	2667.5	41515	2682.5	19.99	-0.85	19.14	82.04	2



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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	22.11	-0.85	21.26	133.66	2
40526	2583.6	40670	2598	21.73	-0.85	20.88	122.46	2
41346	2665.6	41490	2680	22.1	-0.85	21.25	133.35	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	21.18	-0.85	20.33	107.89	2
40526	2583.6	40670	2598	20.88	-0.85	20.03	100.69	2
41346	2665.6	41490	2680	20.95	-0.85	20.1	102.33	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	20.01	-0.85	19.16	82.41	2
40526	2583.6	40670	2598	19.82	-0.85	18.97	78.89	2
41346	2665.6	41490	2680	20.02	-0.85	19.17	82.6	2



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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	22.19	-0.85	21.34	136.14	2
40571	2588.1	40715	2602.5	21.77	-0.85	20.92	123.59	2
41391	2670.1	41535	2684.5	22.11	-0.85	21.26	133.66	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	21.21	-0.85	20.36	108.64	2
40571	2588.1	40715	2602.5	20.92	-0.85	20.07	101.62	2
41391	2670.1	41535	2684.5	20.97	-0.85	20.12	102.8	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	20.11	-0.85	19.26	84.33	2
40571	2588.1	40715	2602.5	19.88	-0.85	19.03	79.98	2
41391	2670.1	41535	2684.5	20	-0.85	19.15	82.22	2



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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	22.24	-0.85	21.39	137.72	2
40523	2583.3	40694	2600.4	21.82	-0.85	20.97	125.03	2
41319	2662.9	41490	2680	22.14	-0.85	21.29	134.59	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	21.24	-0.85	20.39	109.4	2
40523	2583.3	40694	2600.4	20.94	-0.85	20.09	102.09	2
41319	2662.9	41490	2680	21.03	-0.85	20.18	104.23	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	20.07	-0.85	19.22	83.56	2
40523	2583.3	40694	2600.4	19.93	-0.85	19.08	80.91	2
41319	2662.9	41490	2680	20.02	-0.85	19.17	82.6	2





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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	22.34	-0.85	21.49	140.93	2
40546	2585.6	40717	2602.7	21.94	-0.85	21.09	128.53	2
41341	2665.1	41512	2682.2	22.17	-0.85	21.32	135.52	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	21.59	-0.85	20.74	118.58	2
40546	2585.6	40717	2602.7	21.29	-0.85	20.44	110.66	2
41341	2665.1	41512	2682.2	21.11	-0.85	20.26	106.17	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	20.18	-0.85	19.33	85.7	2
40546	2585.6	40717	2602.7	20.03	-0.85	19.18	82.79	2
41341	2665.1	41512	2682.2	20.08	-0.85	19.23	83.75	2



Test Report No.: W7L-P22080003RF06

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	22.56	-0.85	21.71	148.25	2
40521	2583.1	40719	2602.9	22.26	-0.85	21.41	138.36	2
41292	2660.2	41490	2680	22.54	-0.85	21.69	147.57	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	21.83	-0.85	20.98	125.31	2
40521	2583.1	40719	2602.9	21.74	-0.85	20.89	122.74	2
41292	2660.2	41490	2680	21.81	-0.85	20.96	124.74	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	20.21	-0.85	19.36	86.3	2
40521	2583.1	40719	2602.9	20.22	-0.85	19.37	86.5	2
41292	2660.2	41490	2680	20.1	-0.85	19.25	84.14	2

## 3.2 FREQUENCY STABILITY MEASUREMENT

### 3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

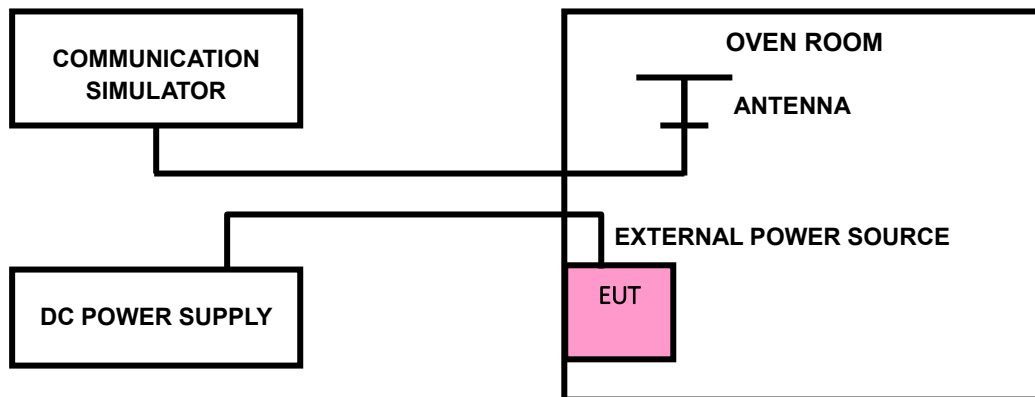
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

### 3.2.2 TEST PROCEDURE

- 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.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the  $\pm 0.5^{\circ}\text{C}$  during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

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

### 3.2.3 TEST SETUP



### 3.2.4 TEST RESULTS

Please Refer to Appendix Of this test report.

#### LTE BAND CA\_41C

LTE BAND CA_41C 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



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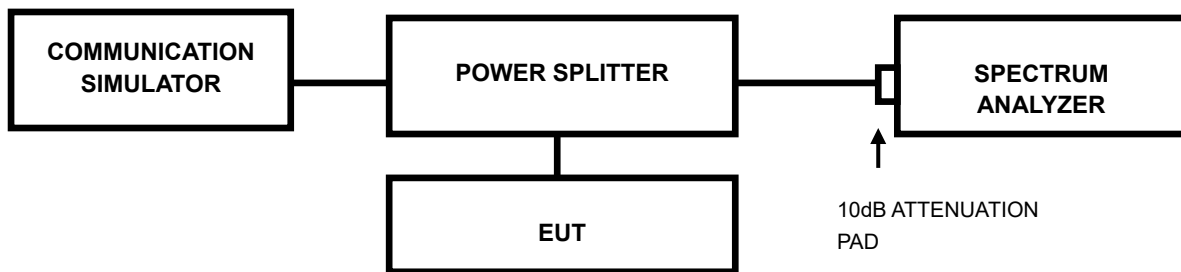
20+10	PCC	channel	39750	40571	41391
		Frequncy	2506	2588.1	2670.1
	SCC	channel	39894	40715	41535
		Frequncy	2520.4	2602.5	2684.5
20+15	PCC	channel	39750	40546	41341
		Frequncy	2506	2585.6	2665.1
	SCC	channel	39921	40717	41512
		Frequncy	2523.1	2602.7	2682.2
20+20	PCC	channel	39750	40521	41292
		Frequncy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

### 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

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



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### 3.3.4 TEST RESULTS

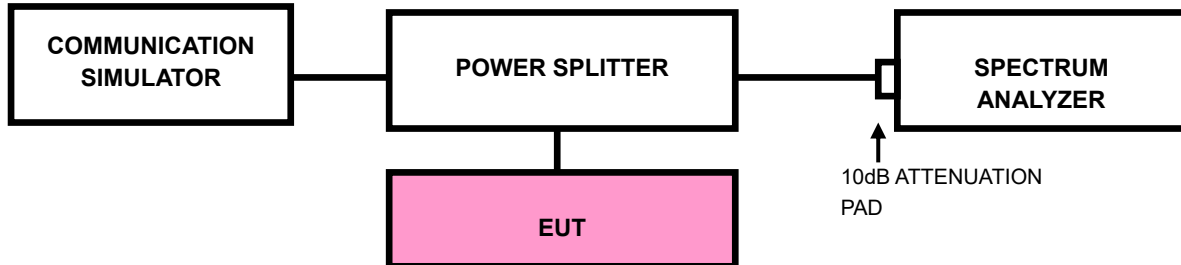
Please Refer to Appendix Of this test report.

### 3.4 BAND EDGE MEASUREMENT

#### 3.4.1 LIMITS OF BAND EDGE MEASUREMENT

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).





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- d. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is  $\geq 1\% \cdot \text{EBW}$  kHz and VBW of the spectrum is  $3 \cdot \text{RBW}$  kHz. (LTE bandwidth 1.4M/3M/5M/10M/15M/20MHz).
  
- e. Record the max trace plot into the test report.



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### 3.4.4 TEST RESULTS

Please Refer to Appendix Of this test report.

### 3.5 CONDUCTED SPURIOUS EMISSIONS

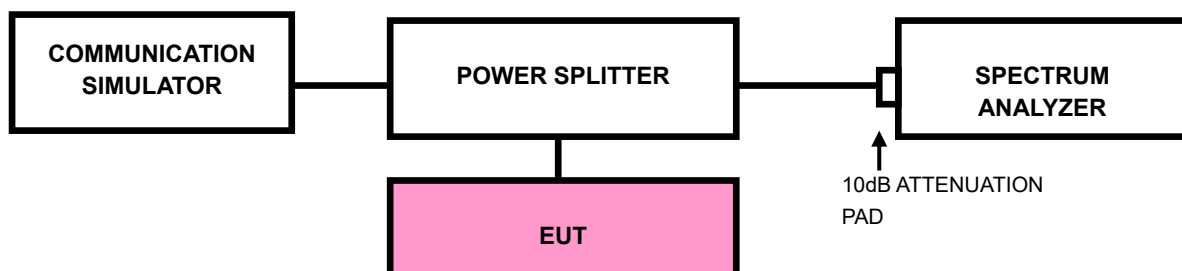
#### 3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $55 + 10 \log_{10}(P)$  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 9kHz up to a frequency including its 10<sup>th</sup> harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

#### 3.5.3 TEST SETUP





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### 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 Of this test report.



### 3.6 RADIATED EMISSION MEASUREMENT

#### 3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $55 + 10 \log_{10}(P)$  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.  $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$ .
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,  $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi}$ .

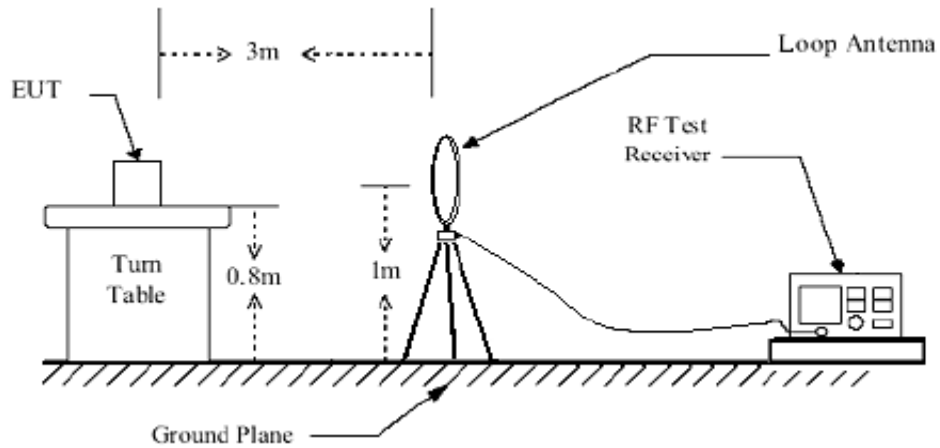
**NOTE:** The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

#### 3.6.3 DEVIATION FROM TEST STANDARD

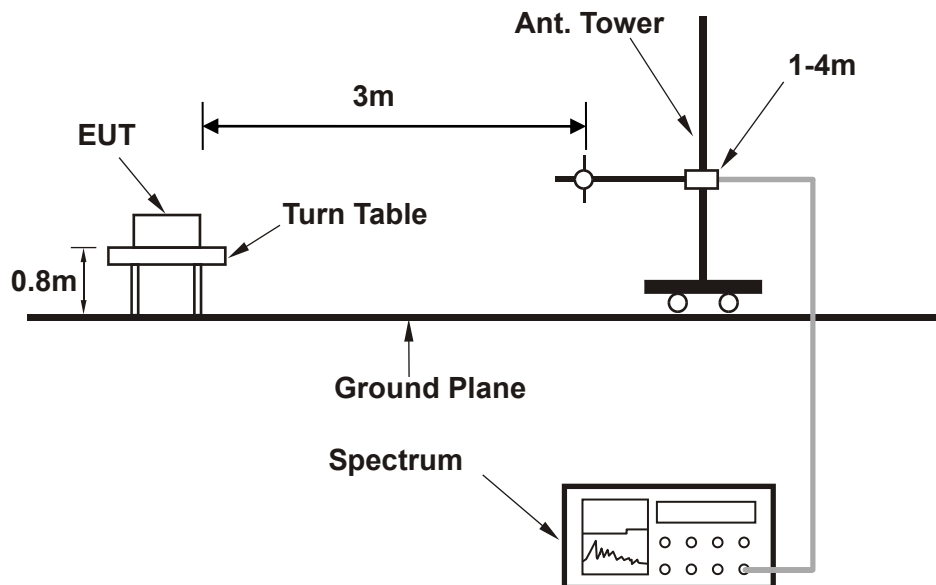
No deviation

### 3.6.4 TEST SETUP

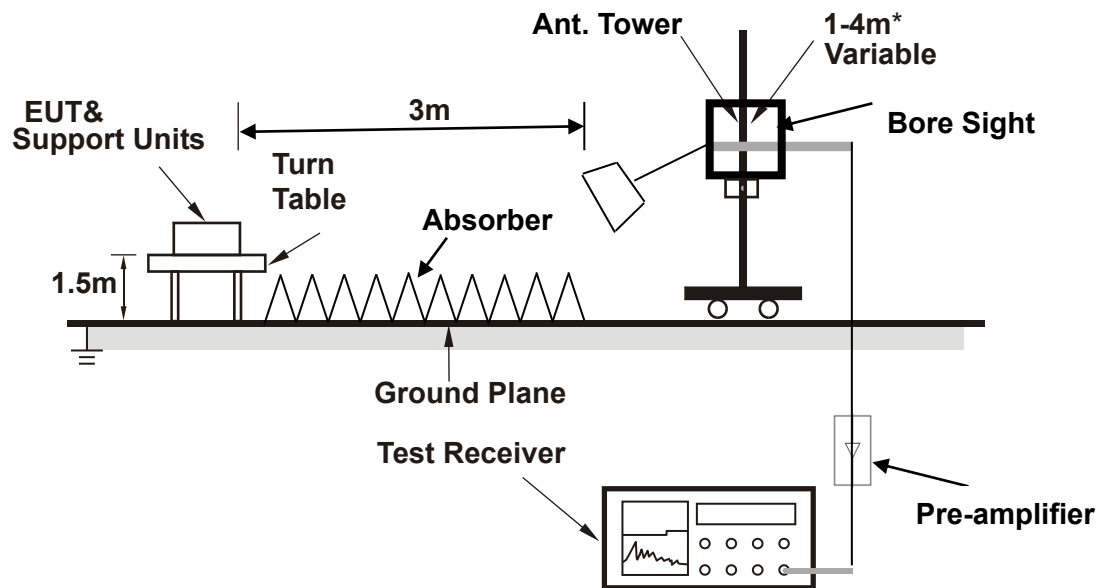
#### < Frequency Range below 30MHz >



#### < 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).



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### 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

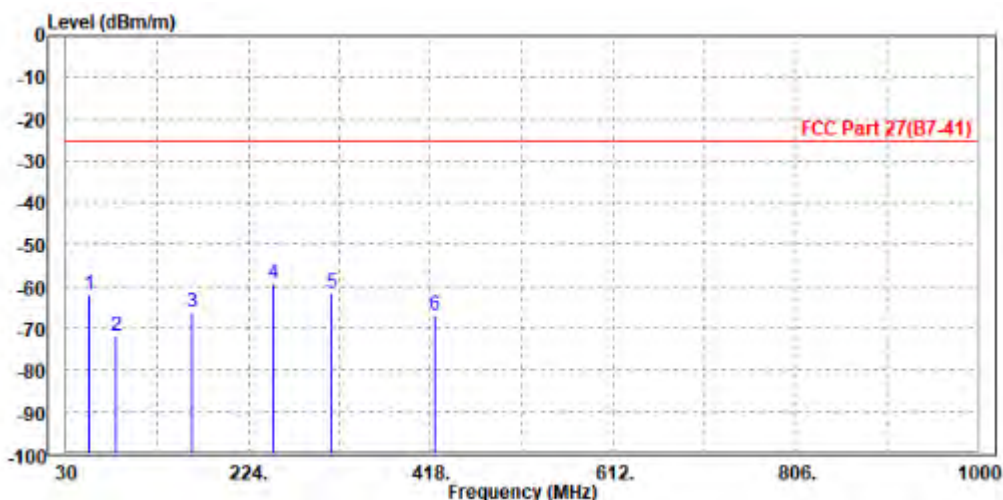
30 MHz – 1GHz data:

LTE Band 41

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 40620	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	55.220	-62.06	-44.16	-25.00	-37.06	-17.90	Peak	Horizontal
2	82.380	-71.74	-50.32	-25.00	-46.74	-21.42	Peak	Horizontal
3	164.830	-66.19	-50.07	-25.00	-41.19	-16.12	Peak	Horizontal
4 PP	250.190	-59.29	-47.83	-25.00	-34.29	-11.46	Peak	Horizontal
5	313.240	-61.58	-49.44	-25.00	-36.58	-12.14	Peak	Horizontal
6	422.850	-66.98	-57.36	-25.00	-41.98	-9.62	Peak	Horizontal



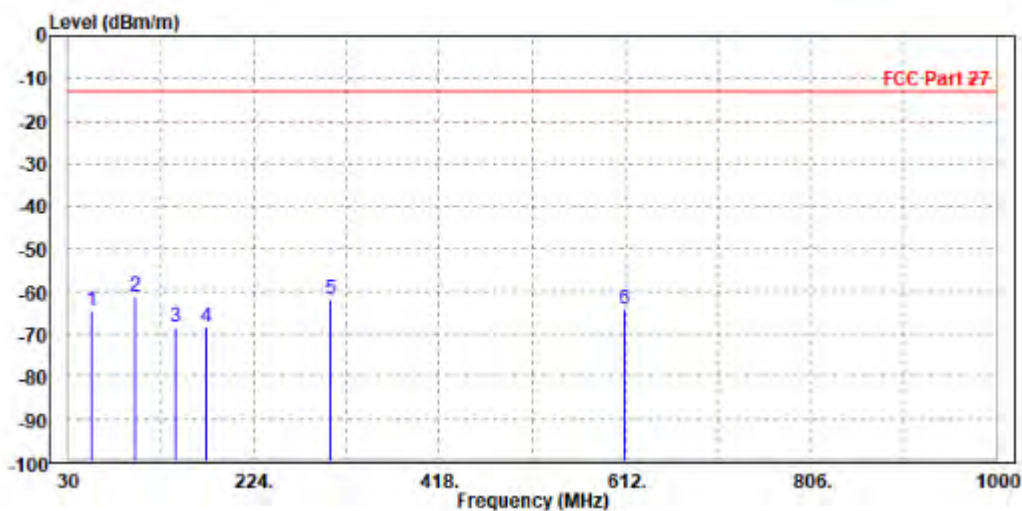




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 40620	<b>FREQUENCY RANGE</b>	Below 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	41.640	-63.99	-38.99	-25.00	-38.99	-25.00	Peak	Vertical
2 PP	102.750	-58.95	-51.43	-25.00	-33.95	-7.52	Peak	Vertical
3	138.640	-67.65	-54.55	-25.00	-42.65	-13.10	Peak	Vertical
4	252.130	-66.82	-53.34	-25.00	-41.82	-13.48	Peak	Vertical
5	311.300	-66.09	-55.48	-25.00	-41.09	-10.61	Peak	Vertical
6	422.850	-68.88	-60.09	-25.00	-43.88	-8.79	Peak	Vertical





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ABOVE 1GHz

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

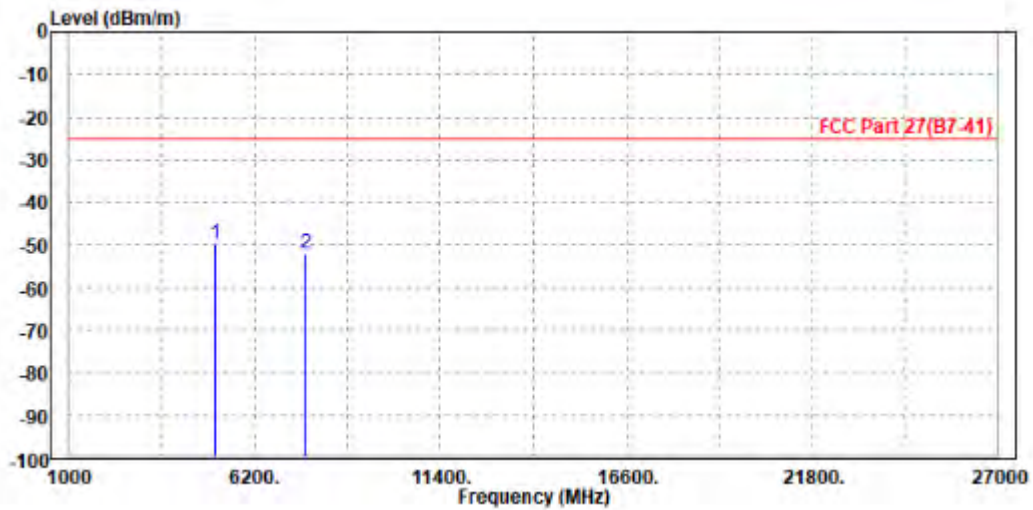
LTE Band 7

CHANNEL BANDWIDTH: 5MHz / QPSK

CH 21100

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-49.68	-59.50	-25.00	-24.68	9.82	Peak	Horizontal
2	7605.000	-52.26	-64.44	-25.00	-27.26	12.18	Peak	Horizontal

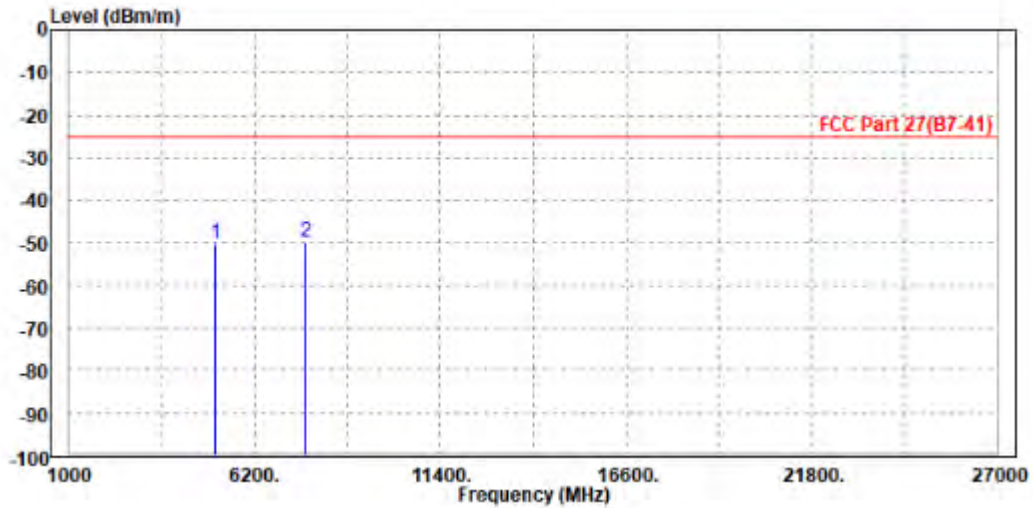




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5082.000	-50.05	-60.39	-25.00	-25.05	10.34	Peak	Vertical
2	PP 7605.000	-49.90	-64.75	-25.00	-24.90	14.85	Peak	Vertical



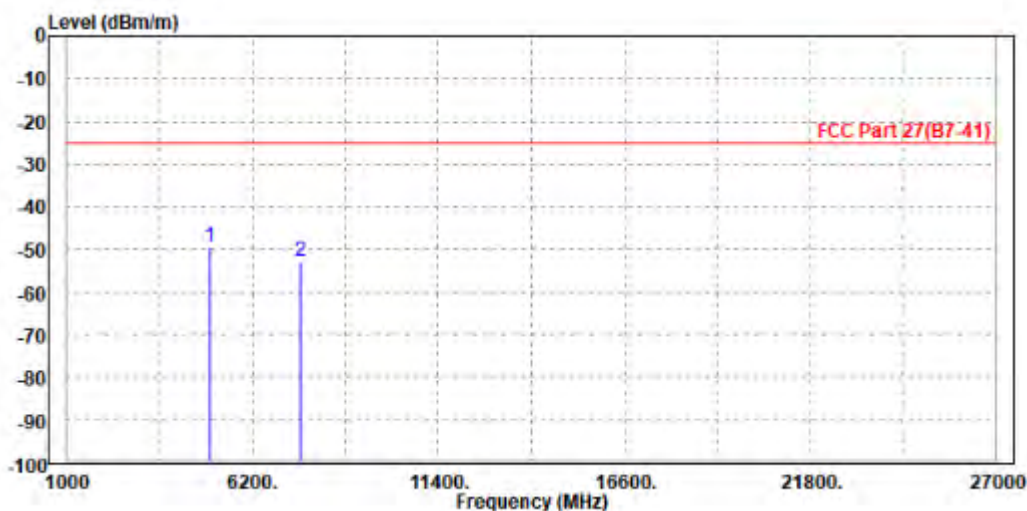


Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 10MHz / QPSK  
CH20800

MODE	TX channel 20800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	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	-49.43	-59.13	-25.00	-24.43	9.70	Peak	Horizontal
2	7515.000	-52.98	-64.51	-25.00	-27.98	11.53	Peak	Horizontal

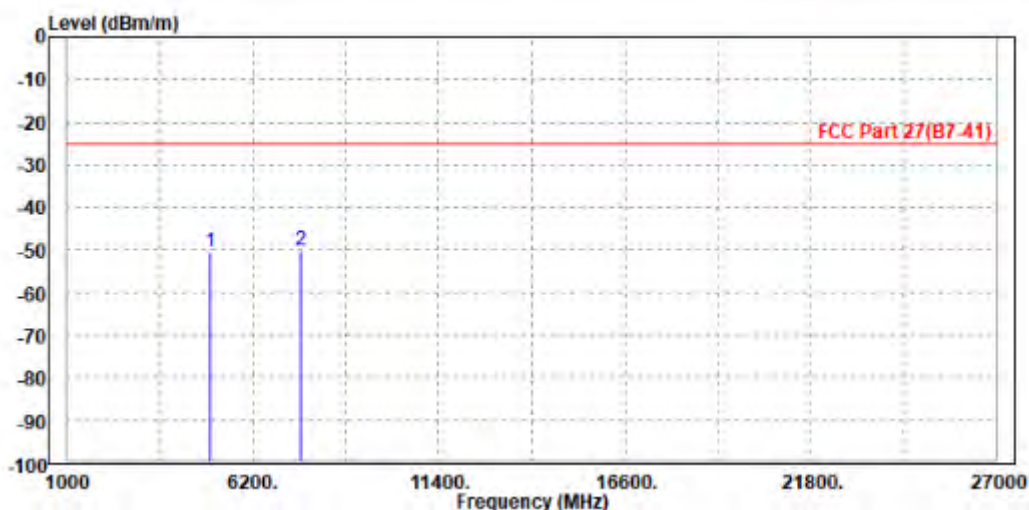




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 20800	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	PoI/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5004.000	-50.43	-60.70	-25.00	-25.43	10.27	Peak	Vertical
2 PP	7515.000	-50.18	-64.90	-25.00	-25.18	14.72	Peak	Vertical





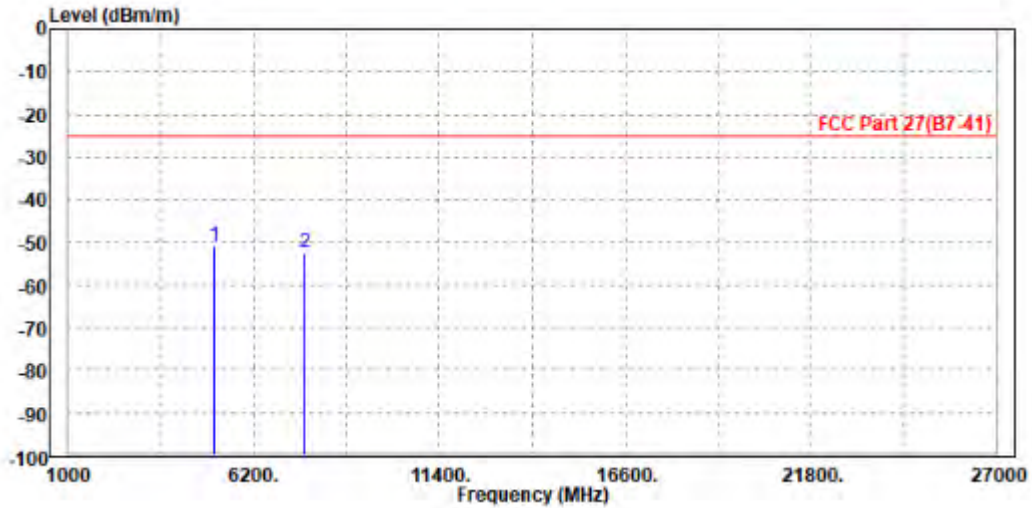
BUREAU VERITAS

Test Report No.: W7L-P22080003RF06

CH21100

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	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	-50.77	-60.59	-25.00	-25.77	9.82	Peak	Horizontal
2	7605.000	-52.50	-64.68	-25.00	-27.50	12.18	Peak	Horizontal

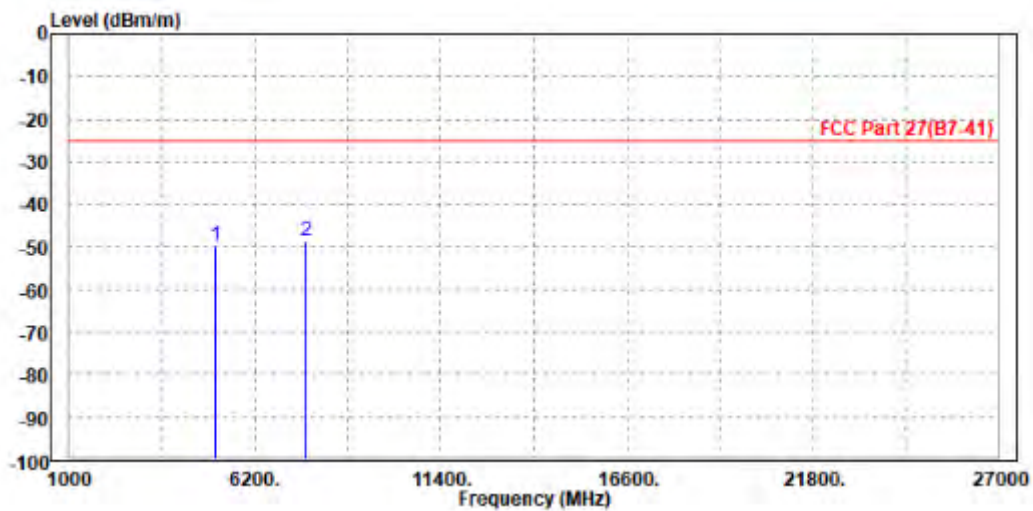




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5082.000	-49.84	-60.18	-25.00	-24.84	10.34	Peak	Vertical
2 PP	7605.000	-48.66	-63.51	-25.00	-23.66	14.85	Peak	Vertical





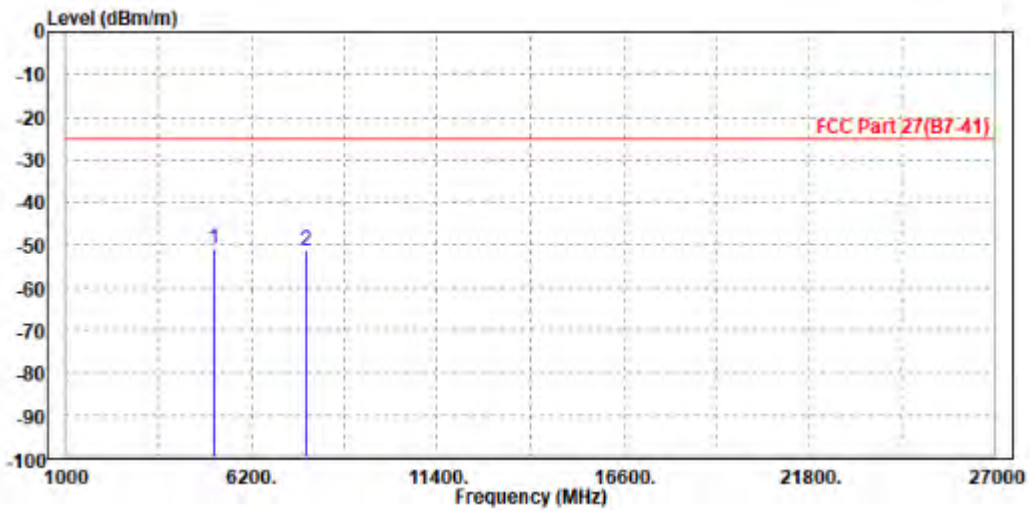
**BUREAU  
VERITAS**

Test Report No.: W7L-P22080003RF06

CH21400

<b>MODE</b>	TX channel 21400	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5134.000	-50.95	-60.85	-25.00	-25.95	9.90	Peak	Horizontal
2	7695.000	-51.27	-64.10	-25.00	-26.27	12.83	Peak	Horizontal



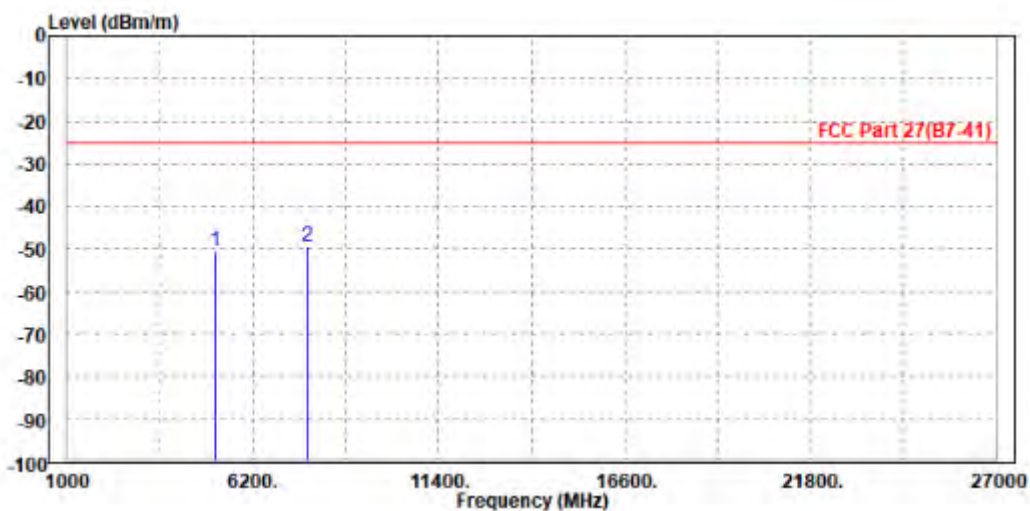




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 21400	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5134.000	-50.39	-60.78	-25.00	-25.39	10.39	Peak	Vertical
2 PP	7695.000	-49.47	-64.46	-25.00	-24.47	14.99	Peak	Vertical





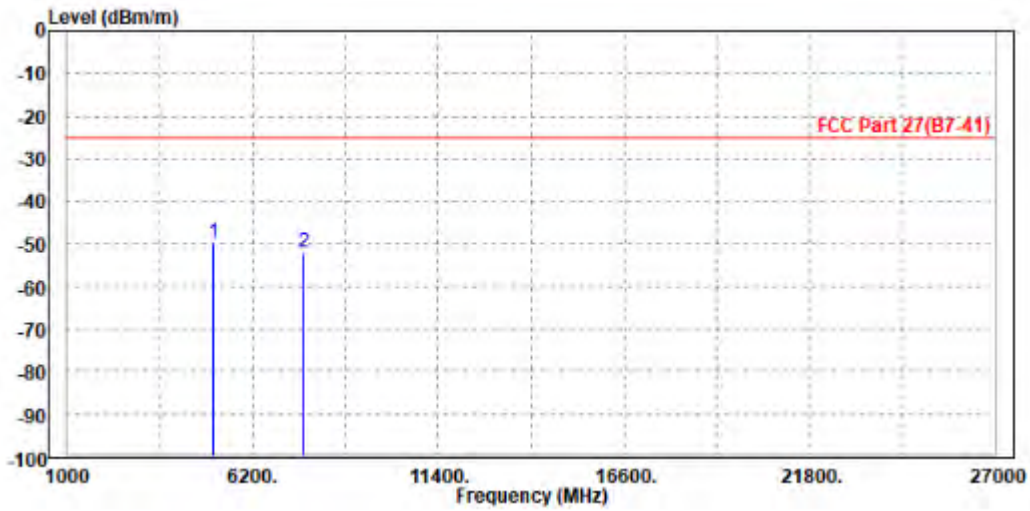
BUREAU VERITAS

Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-49.85	-59.67	-25.00	-24.85	9.82	Peak	Horizontal
2	7605.000	-51.94	-64.12	-25.00	-26.94	12.18	Peak	Horizontal

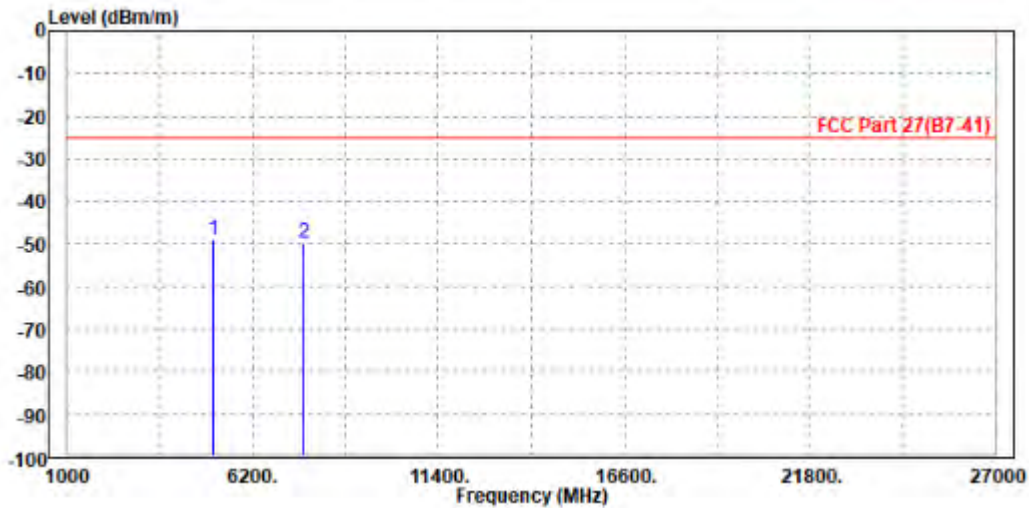




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	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	-49.11	-59.45	-25.00	-24.11	10.34	Peak	Vertical
2	7605.000	-49.81	-64.66	-25.00	-24.81	14.85	Peak	Vertical





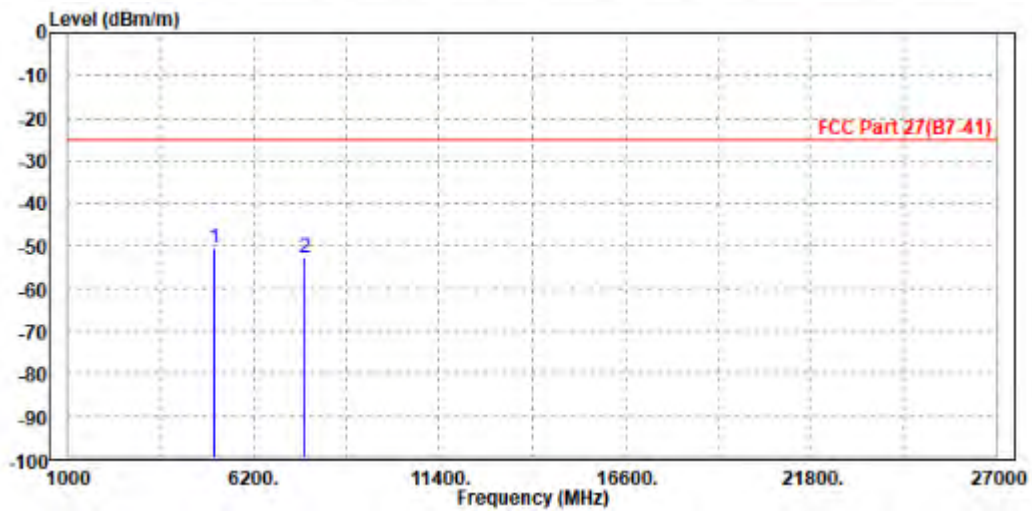
BUREAU VERITAS

Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-50.49	-60.31	-25.00	-25.49	9.82	Peak	Horizontal
2	7605.000	-52.82	-65.00	-25.00	-27.82	12.18	Peak	Horizontal

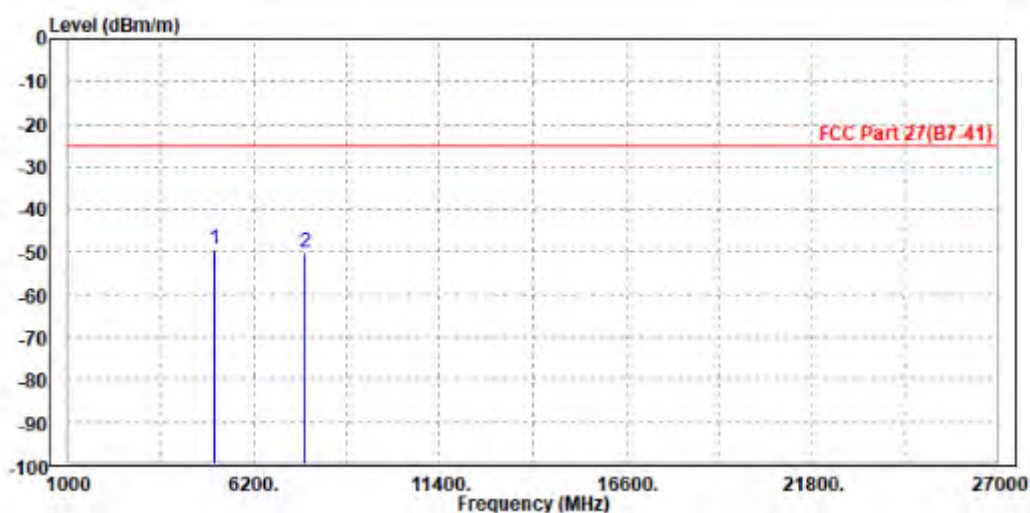




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 21100	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	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	-49.61	-59.95	-25.00	-24.61	10.34	Peak	Vertical
2	7605.000	-50.36	-65.21	-25.00	-25.36	14.85	Peak	Vertical





BUREAU  
VERITAS

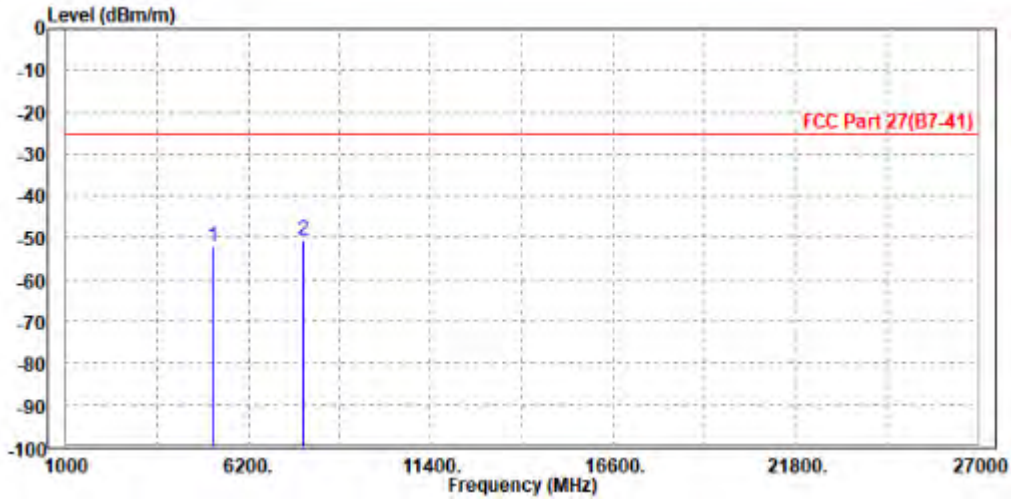
Test Report No.: W7L-P22080003RF06

LTE BAND 41

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-52.02	-62.00	-25.00	-27.02	9.98	Peak	Horizontal
2 PP	7779.000	-50.64	-64.00	-25.00	-25.64	13.44	Peak	Horizontal

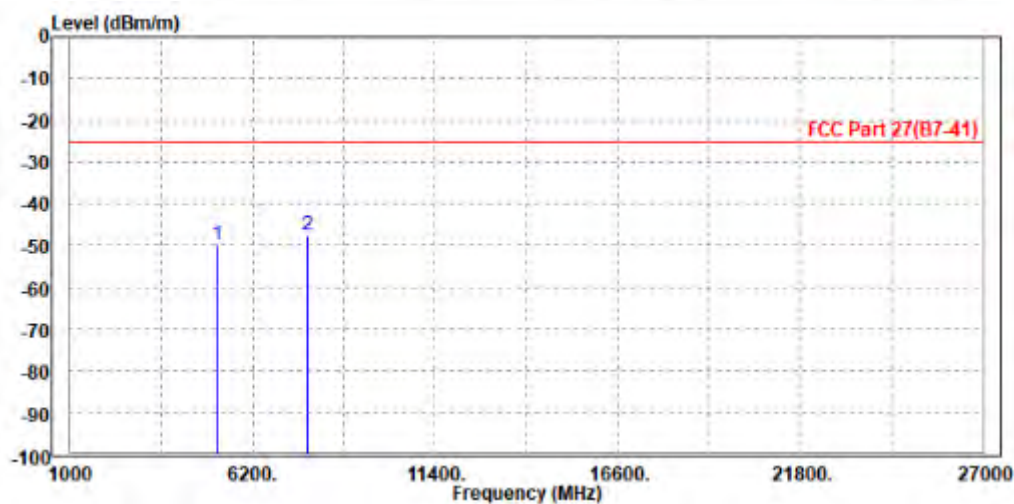




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 40620	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60Hz
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-49.71	-60.15	-25.00	-24.71	10.44	Peak	Vertical
2 PP	7779.000	-47.70	-62.81	-25.00	-22.70	15.11	Peak	Vertical





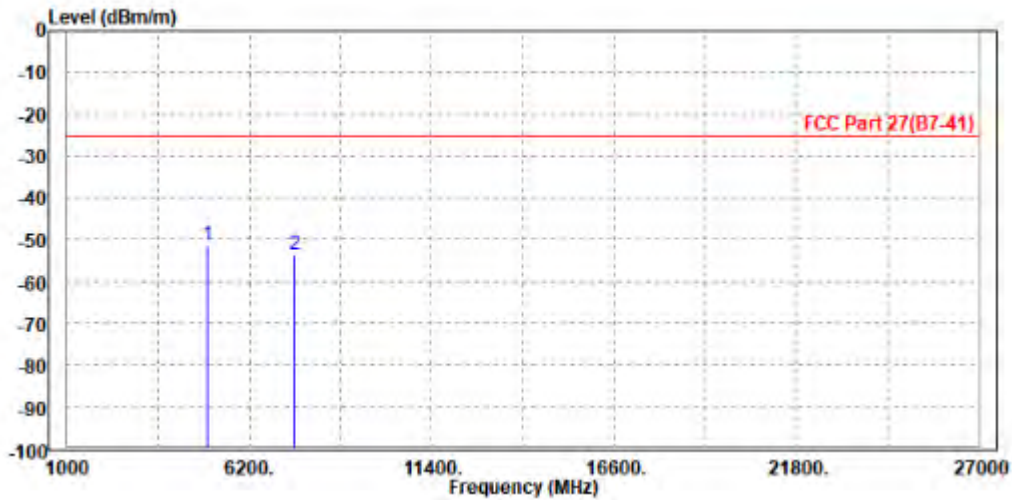
**BUREAU  
VERITAS**

Test Report No.: W7L-P22080003RF06

**CHANNEL BANDWIDTH: 10MHz / QPSK  
CH39700**

<b>MODE</b>	TX channel 39700	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60Hz
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	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	-51.50	-61.20	-25.00	-26.50	9.70	Peak	Horizontal
2	7503.000	-53.52	-64.96	-25.00	-28.52	11.44	Peak	Horizontal



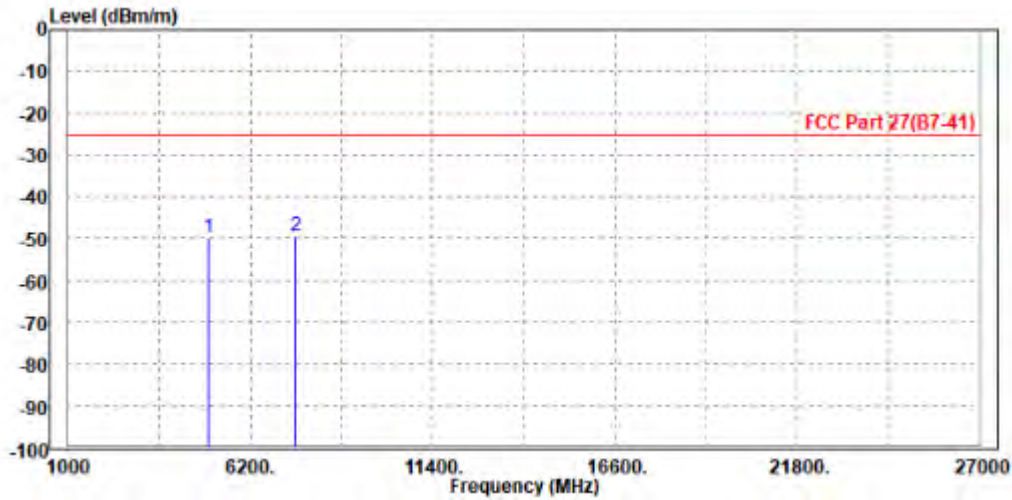




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 39700	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60Hz
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5004.000	-49.85	-60.12	-25.00	-24.85	10.27	Peak	Vertical
2 PP	7503.000	-49.41	-64.11	-25.00	-24.41	14.70	Peak	Vertical





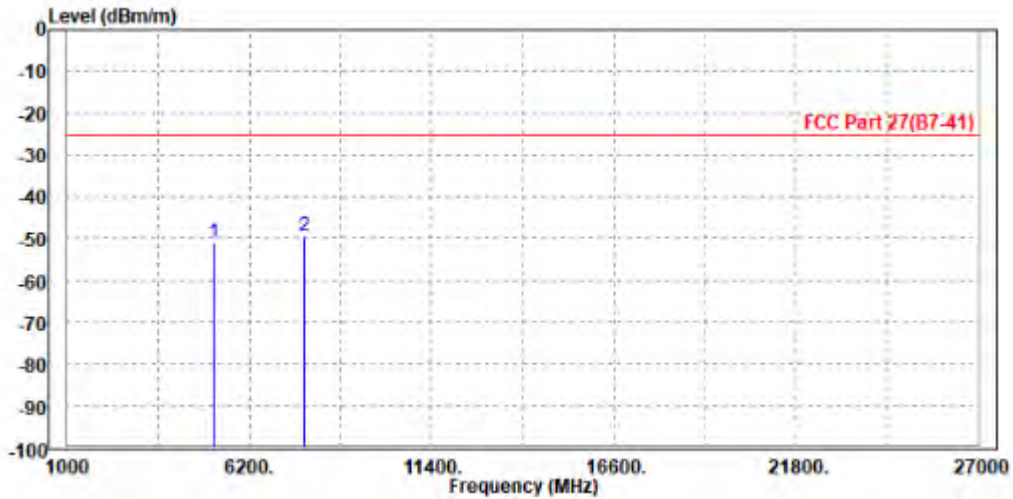
**BUREAU  
VERITAS**

Test Report No.: W7L-P22080003RF06

CH40620

<b>MODE</b>	TX channel 40620	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60Hz
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.06	-61.04	-25.00	-26.06	9.98	Peak	Horizontal
2	PP 7779.000	-49.61	-63.05	-25.00	-24.61	13.44	Peak	Horizontal

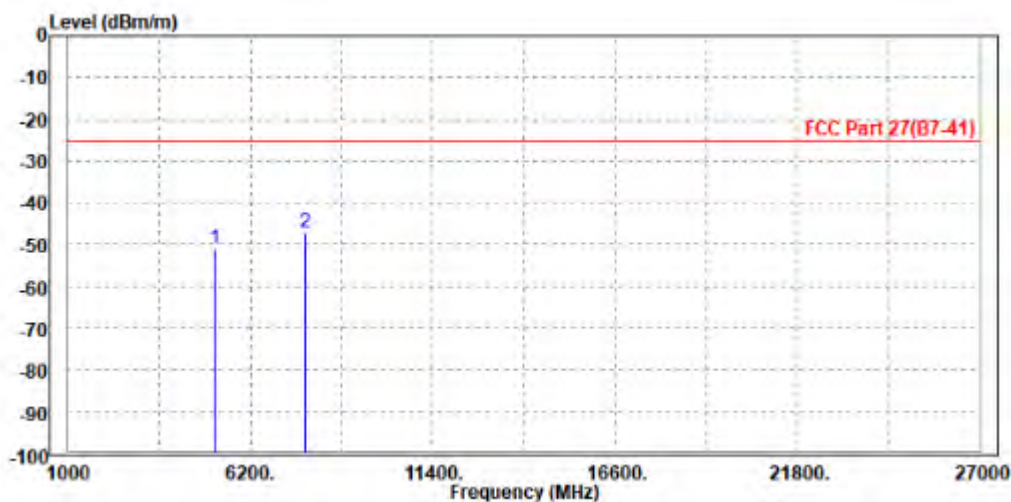




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 40620	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60Hz
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-50.86	-61.30	-25.00	-25.86	10.44	Peak	Vertical
2 PP	7779.000	-47.28	-62.39	-25.00	-22.28	15.11	Peak	Vertical





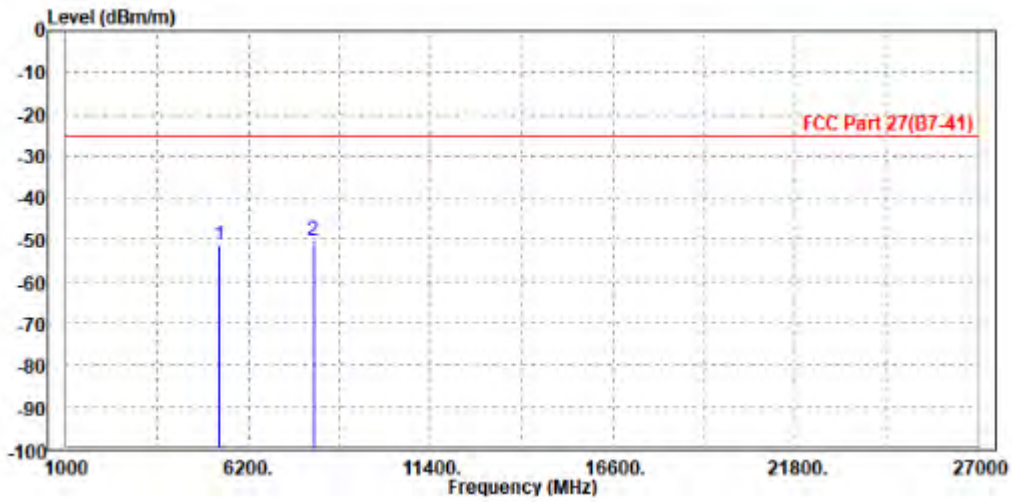
BUREAU VERITAS

Test Report No.: W7L-P22080003RF06

CH41540

MODE	TX channel 41540	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5368.000	-51.38	-61.65	-25.00	-26.38	10.27	Peak	Horizontal
2 PP	8055.000	-50.01	-65.04	-25.00	-25.01	15.03	Peak	Horizontal

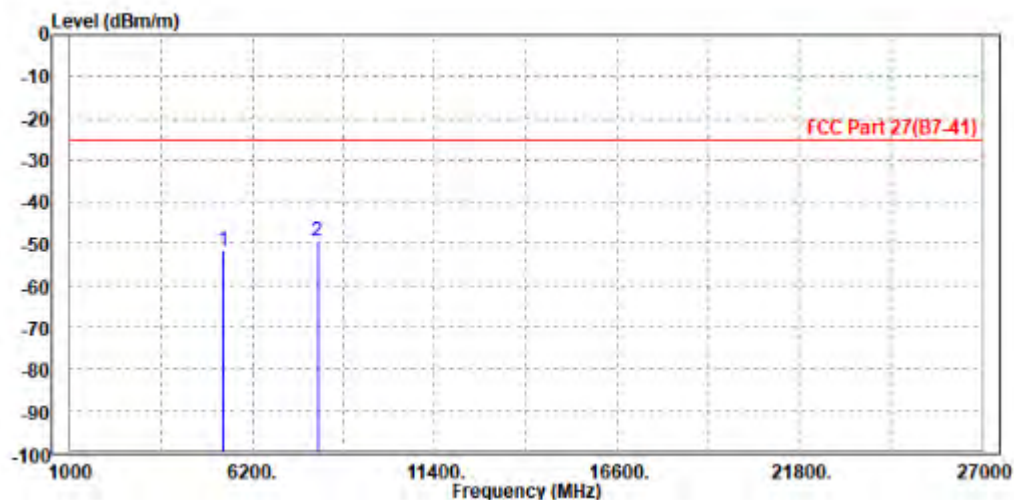




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 41540	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60Hz
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5368.000	-51.66	-62.27	-25.00	-26.66	10.61	Peak	Vertical
2	PP 8055.000	-49.44	-64.86	-25.00	-24.44	15.42	Peak	Vertical



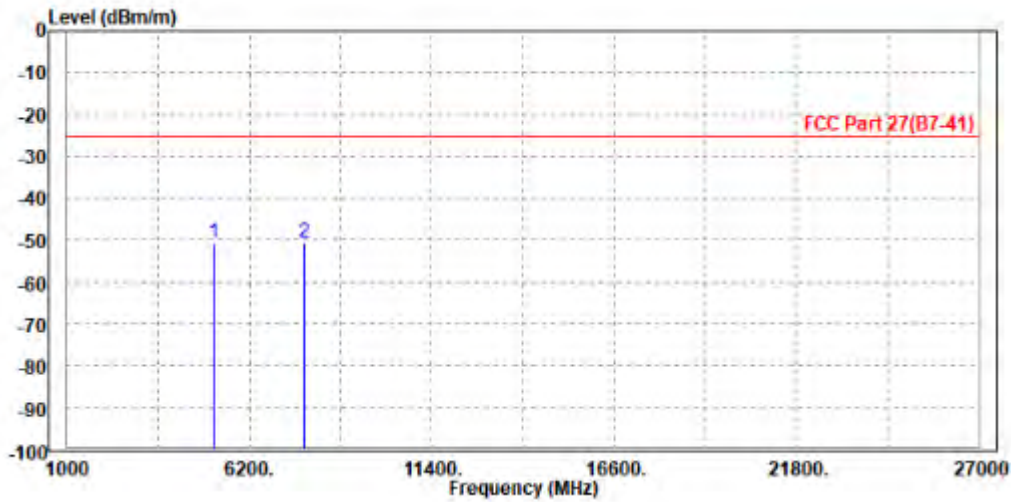


Test Report No.: W7L-P22080003RF06

**CHANNEL BANDWIDTH: 15MHz / QPSK**

<b>MODE</b>	TX channel 40620	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60Hz
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-50.67	-60.65	-25.00	-25.67	9.98	Peak	Horizontal
2 PP	7779.000	-50.43	-63.87	-25.00	-25.43	13.44	Peak	Horizontal

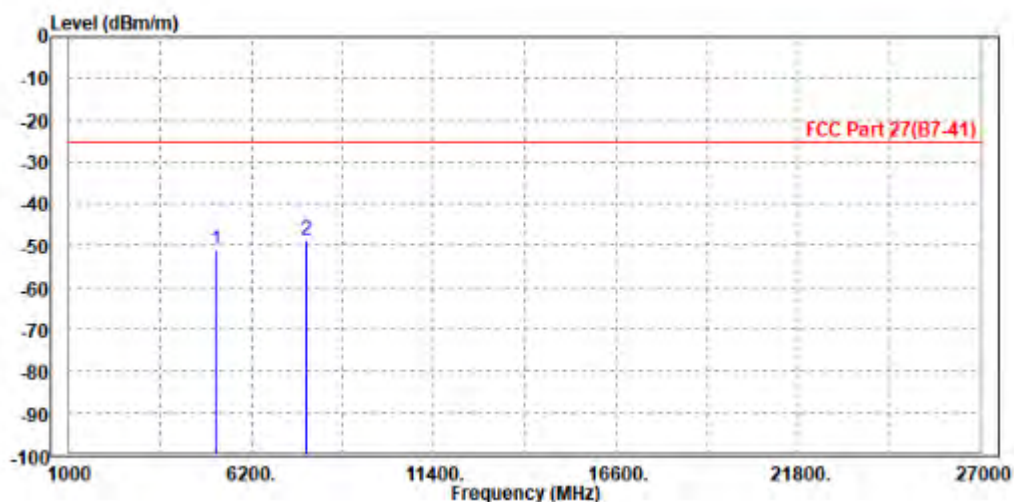




Test Report No.: W7L-P22080003RF06

MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-50.86	-61.30	-25.00	-25.86	10.44	Peak	Vertical
2 PP	7779.000	-48.82	-63.93	-25.00	-23.82	15.11	Peak	Vertical



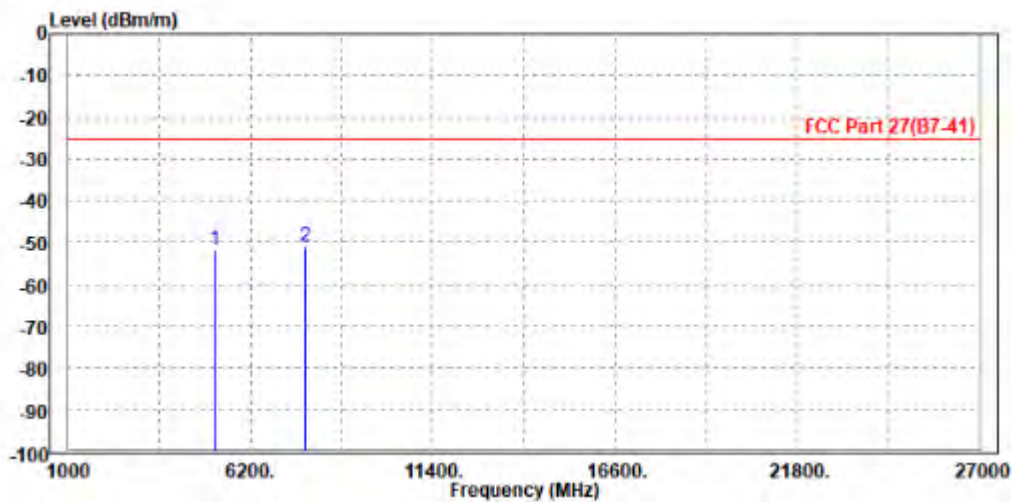


Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 20MHz / QPSK  
CH40620

MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.65	-61.63	-25.00	-26.65	9.98	Peak	Horizontal
2 PP	7779.000	-50.92	-64.36	-25.00	-25.92	13.44	Peak	Horizontal



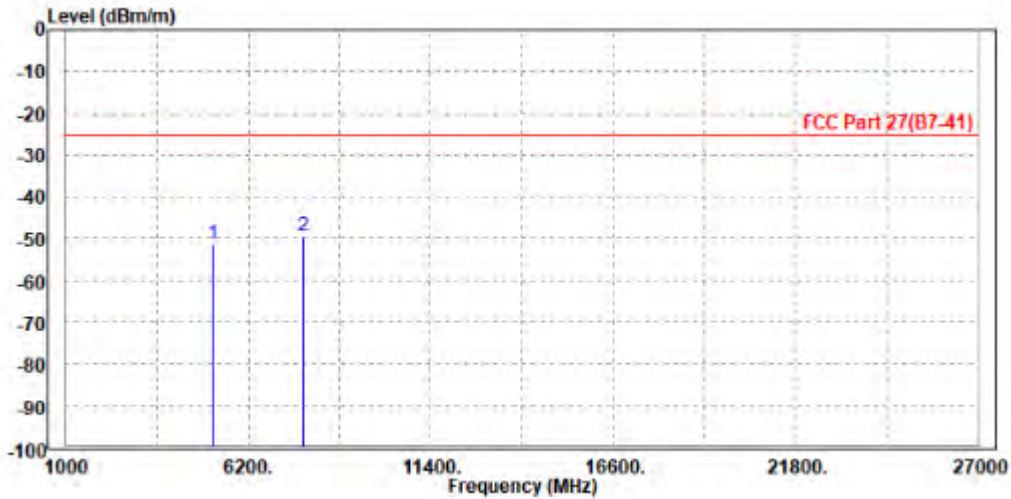




Test Report No.: W7L-P22080003RF06

<b>MODE</b>	TX channel 40620	<b>FREQUENCY RANGE</b>	Above 1000MHz
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60Hz
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.24	-61.68	-25.00	-26.24	10.44	Peak	Vertical
2	7779.000	-49.27	-64.38	-25.00	-24.27	15.11	Peak	Vertical





BUREAU VERITAS

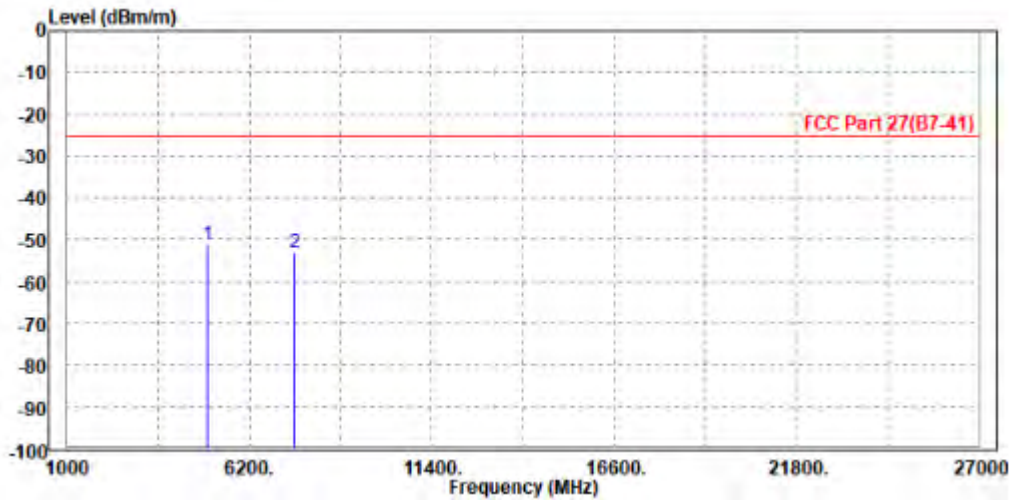
Test Report No.: W7L-P22080003RF06

LTE Band CA\_41C

CHANNEL BANDWIDTH: 5MHz + 20MHz

MODE	TX channel PCC 39683	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 39800		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5004.000	-51.18	-60.88	-25.00	-26.18	9.70	Peak	Horizontal
2	7497.900	-53.20	-64.62	-25.00	-28.20	11.42	Peak	Horizontal

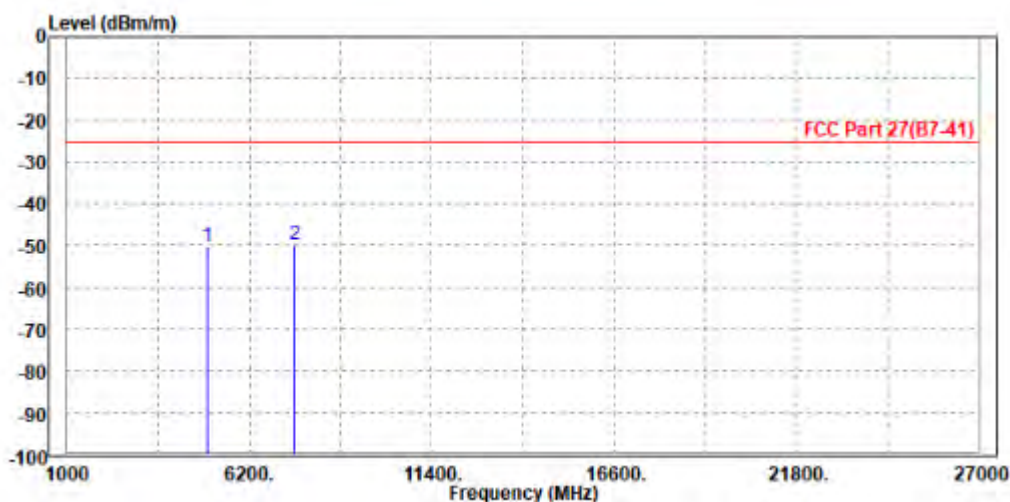




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 39683	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 39800		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5004.000	-50.19	-60.46	-25.00	-25.19	10.27	Peak	Vertical
2 PP	7497.900	-49.85	-64.54	-25.00	-24.85	14.69	Peak	Vertical

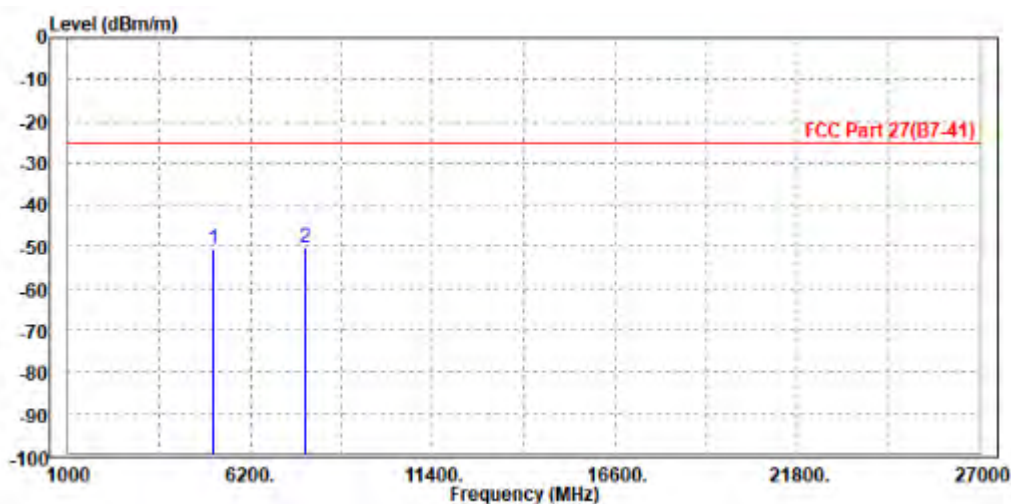




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 40528	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40645		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5160.000	-50.74	-60.68	-25.00	-25.74	9.94	Peak	Horizontal
2	PP 7751.400	-50.21	-63.45	-25.00	-25.21	13.24	Peak	Horizontal

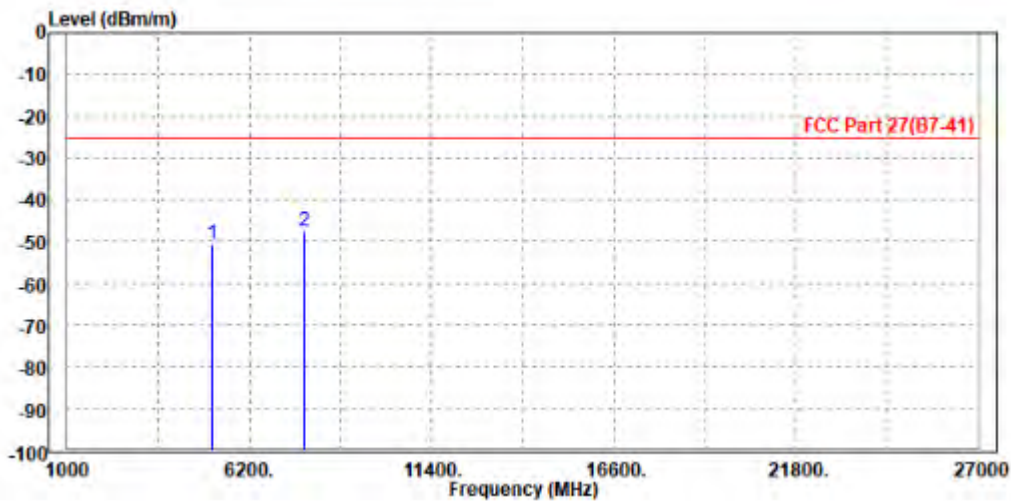




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 40528	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40645		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5160.000	-50.41	-60.83	-25.00	-25.41	10.42	Peak	Vertical
2 PP	7751.400	-47.49	-62.56	-25.00	-22.49	15.07	Peak	Vertical

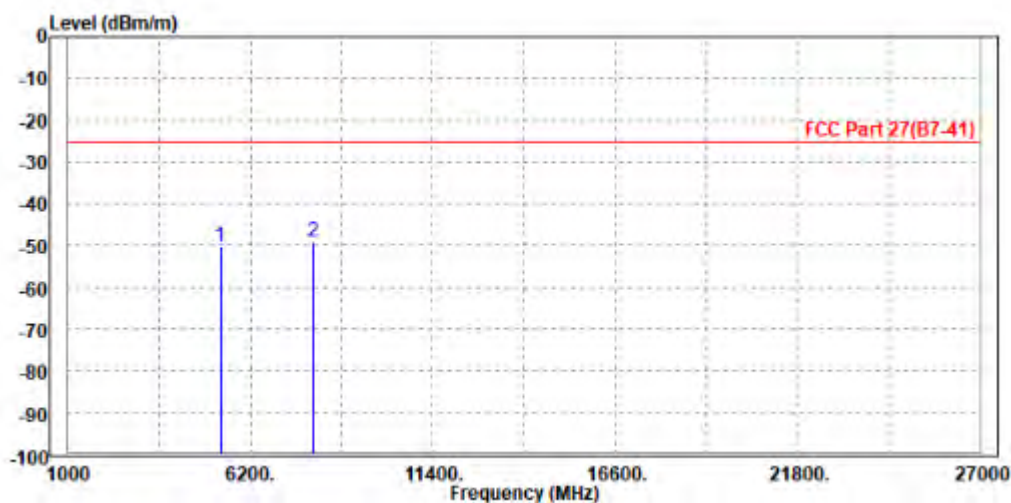




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 41373	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 41490		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5342.000	-50.02	-60.25	-25.00	-25.02	10.23	Peak	Horizontal
2 PP	8004.900	-49.22	-64.27	-25.00	-24.22	15.05	Peak	Horizontal

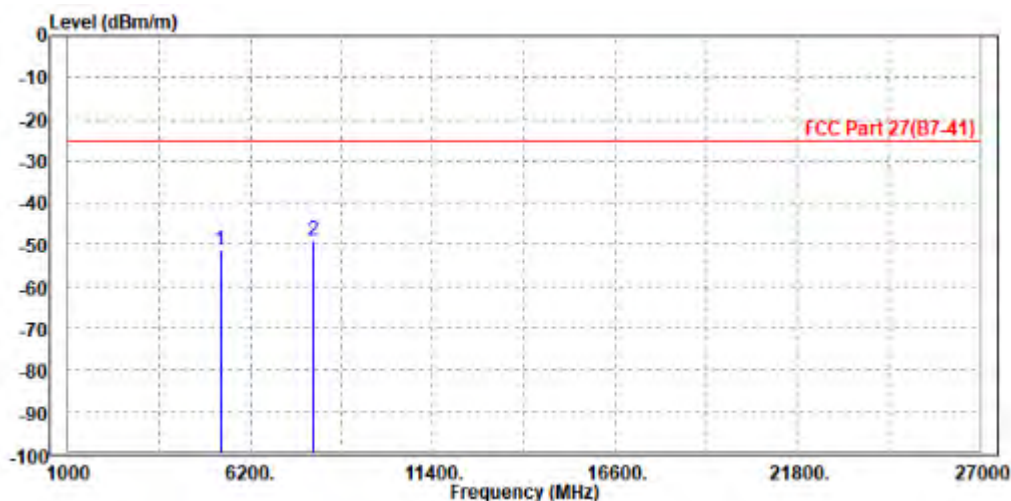




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 41373	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 41490		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5342.000	-51.17	-61.75	-25.00	-26.17	10.58	Peak	Vertical
2 PP	8004.900	-49.02	-64.46	-25.00	-24.02	15.44	Peak	Vertical



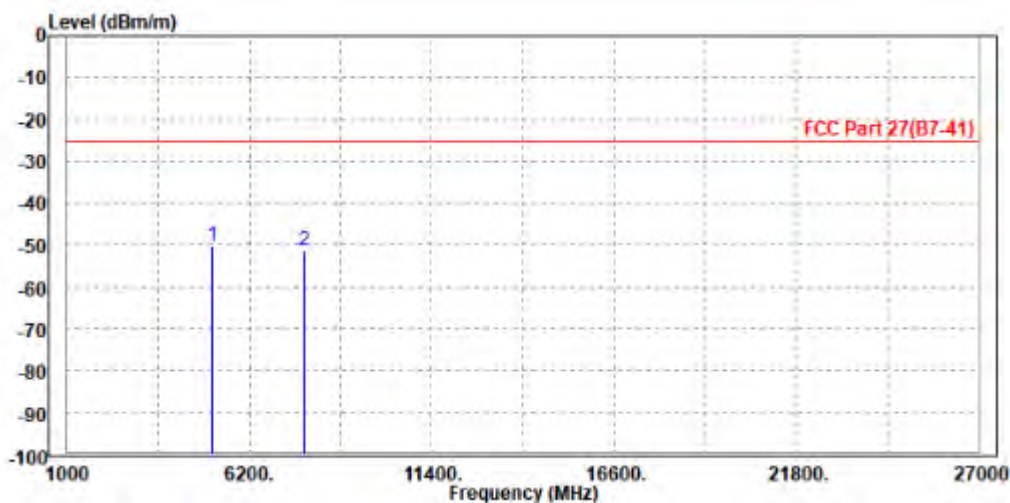


Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 10 MHz + 15MHz

MODE	TX channel PCC 40549	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40669		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	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	-50.36	-60.30	-25.00	-25.36	9.94	Peak	Horizontal
2	7757.700	-51.50	-64.79	-25.00	-26.50	13.29	Peak	Horizontal



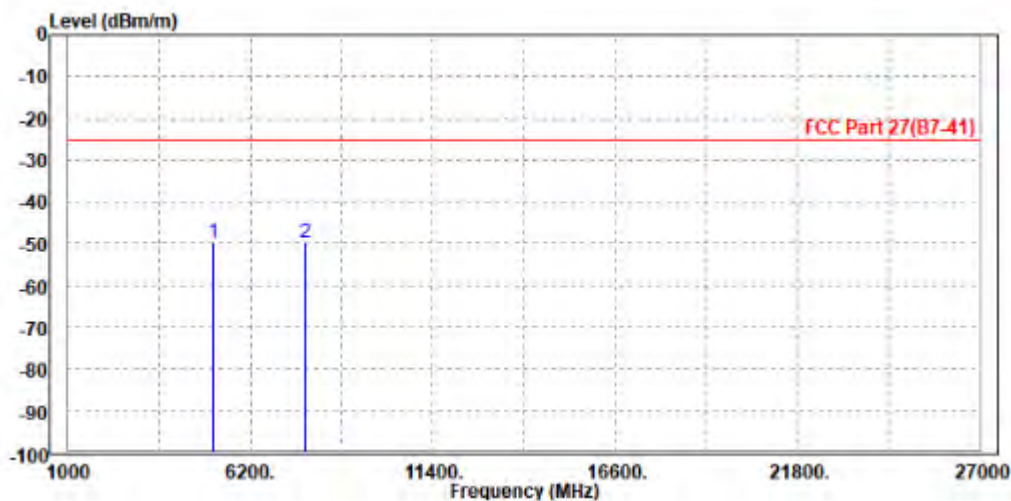




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 40549	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40669		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	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	-49.64	-60.06	-25.00	-24.64	10.42	Peak	Vertical
2	7757.700	-49.69	-64.77	-25.00	-24.69	15.08	Peak	Vertical



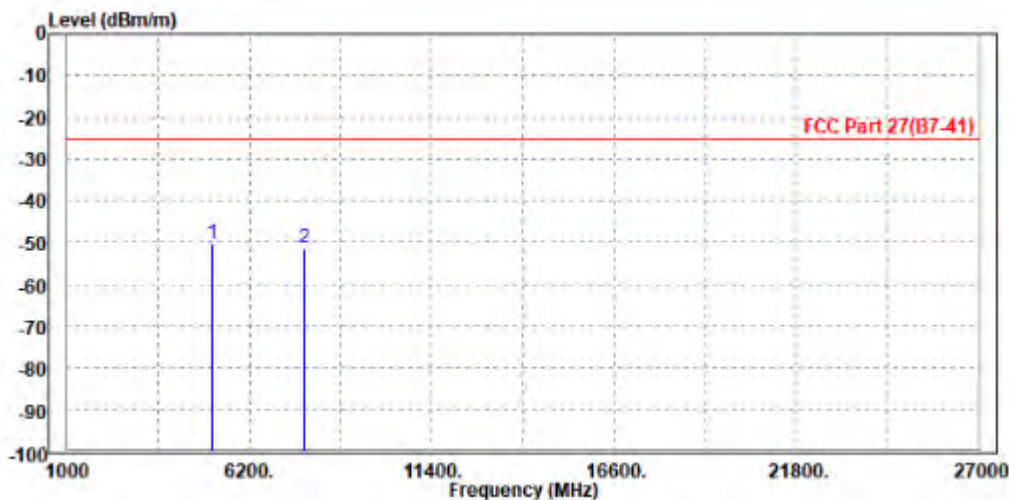


Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 10 MHz + 20MHz

MODE	TX channel PCC 40526	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40670		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5160.000	-50.30	-60.24	-25.00	-25.30	9.94	Peak	Horizontal
2	7750.800	-51.28	-64.52	-25.00	-26.28	13.24	Peak	Horizontal

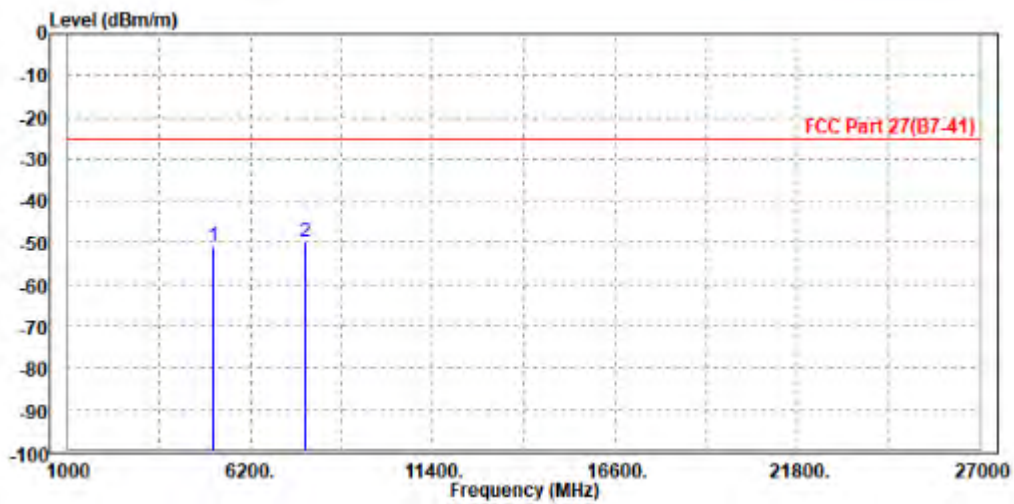




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 40526	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40670		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5160.000	-51.10	-61.52	-25.00	-26.10	10.42	Peak	Vertical
2 PP	7750.800	-49.81	-64.88	-25.00	-24.81	15.07	Peak	Vertical



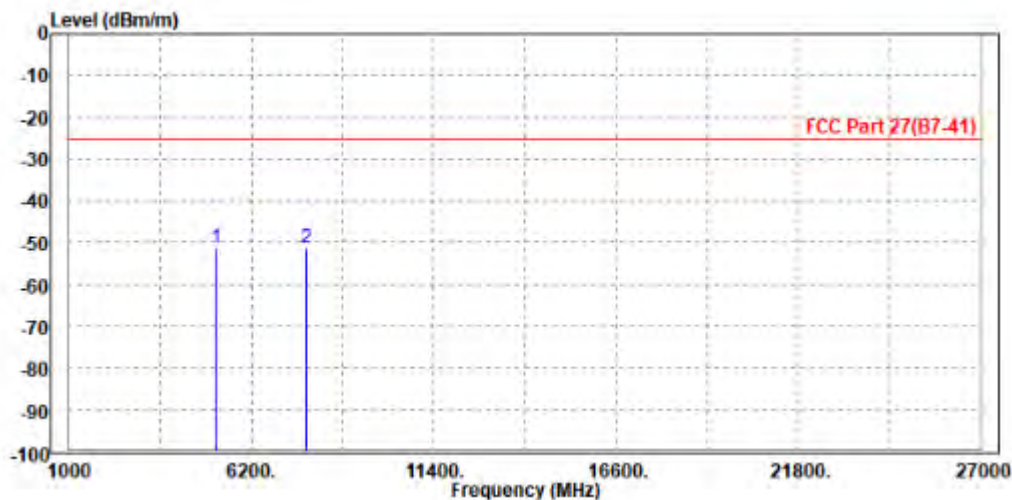


Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 15MHz + 10MHz

MODE	TX channel PCC 40571	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40691		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.39	-61.37	-25.00	-26.39	9.98	Peak	Horizontal
2	PP 7764.300	-51.28	-64.62	-25.00	-26.28	13.34	Peak	Horizontal

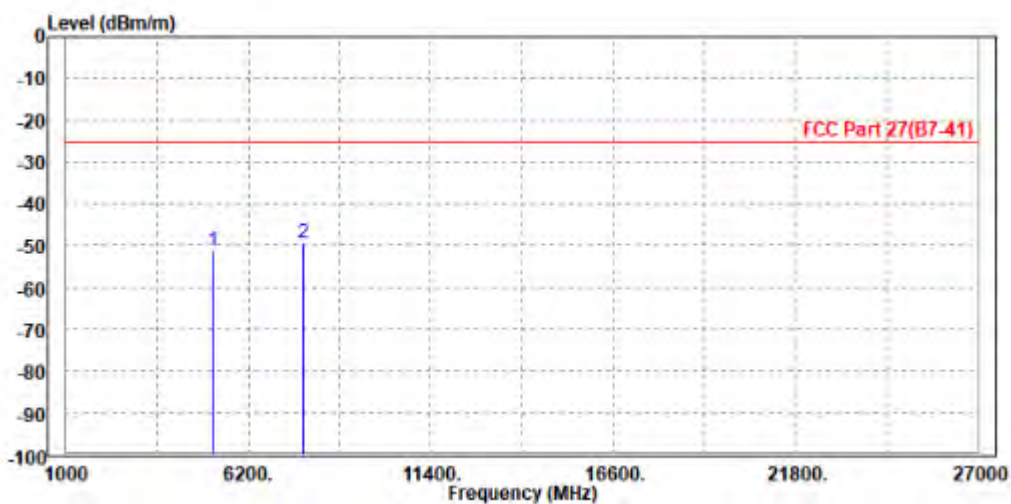




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 40571	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40691		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	Mhz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.21	-61.65	-25.00	-26.21	10.44	Peak	Vertical
2 PP	7764.300	-49.58	-64.67	-25.00	-24.58	15.09	Peak	Vertical



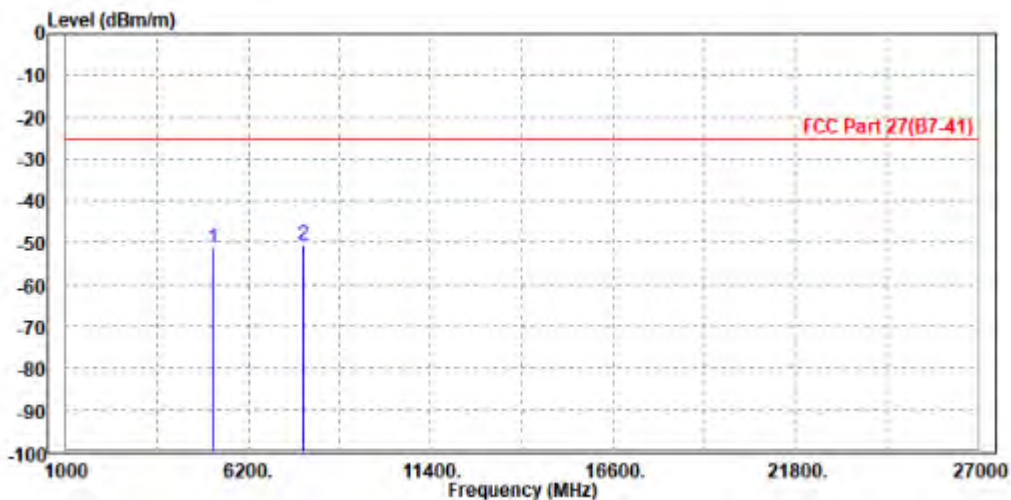


Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 15MHz + 15MHz

MODE	TX channel PCC 40545	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40695		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.32	-61.30	-25.00	-26.32	9.98	Peak	Horizontal
2 PP	7764.300	-50.40	-63.74	-25.00	-25.40	13.34	Peak	Horizontal

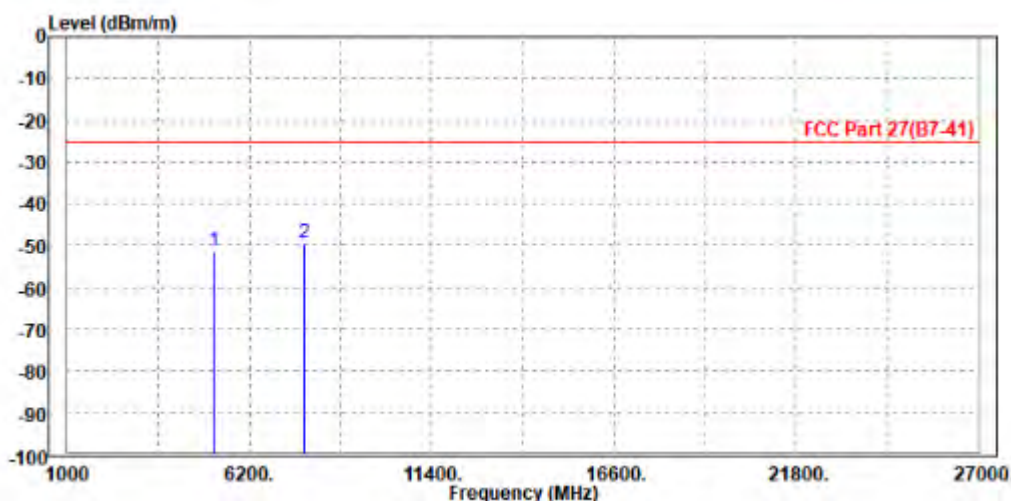




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 40545	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40695		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.28	-61.72	-25.00	-26.28	10.44	Peak	Vertical
2 PP	7764.300	-49.35	-64.44	-25.00	-24.35	15.09	Peak	Vertical



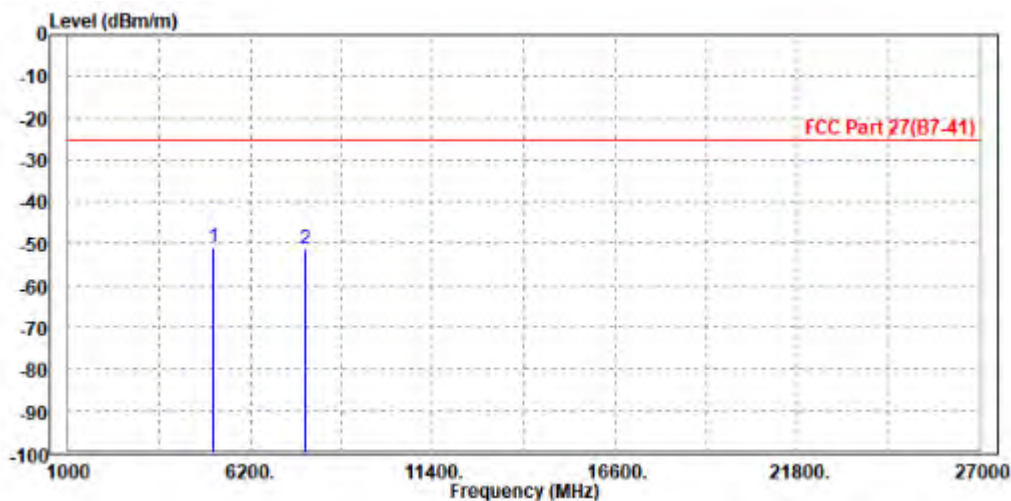


Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 15MHz + 20MHz

MODE	TX channel PCC 40523	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40694		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	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	-50.98	-60.92	-25.00	-25.98	9.94	Peak	Horizontal
2	7749.900	-51.51	-64.74	-25.00	-26.51	13.23	Peak	Horizontal



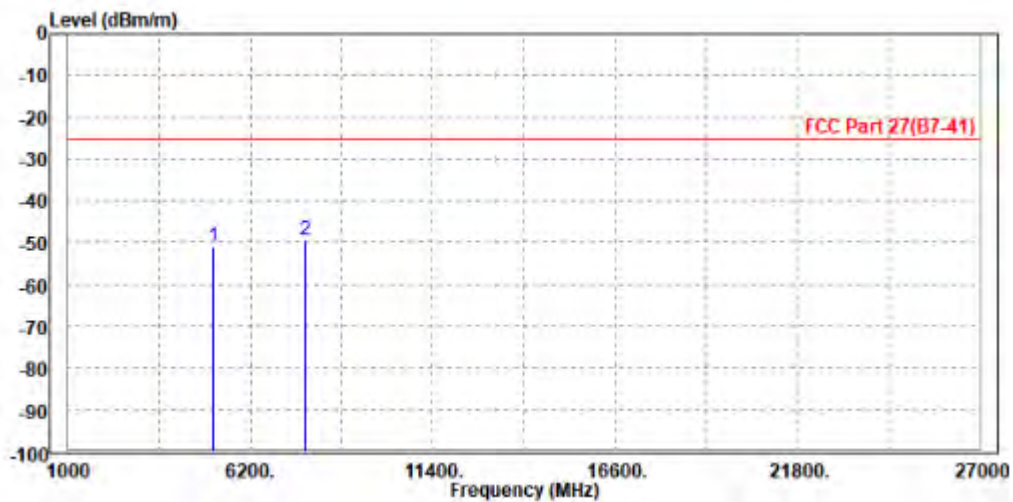




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 40523	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40694		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5160.000	-50.95	-61.37	-25.00	-25.95	10.42	Peak	Vertical
2 PP	7749.900	-49.46	-64.53	-25.00	-24.46	15.07	Peak	Vertical



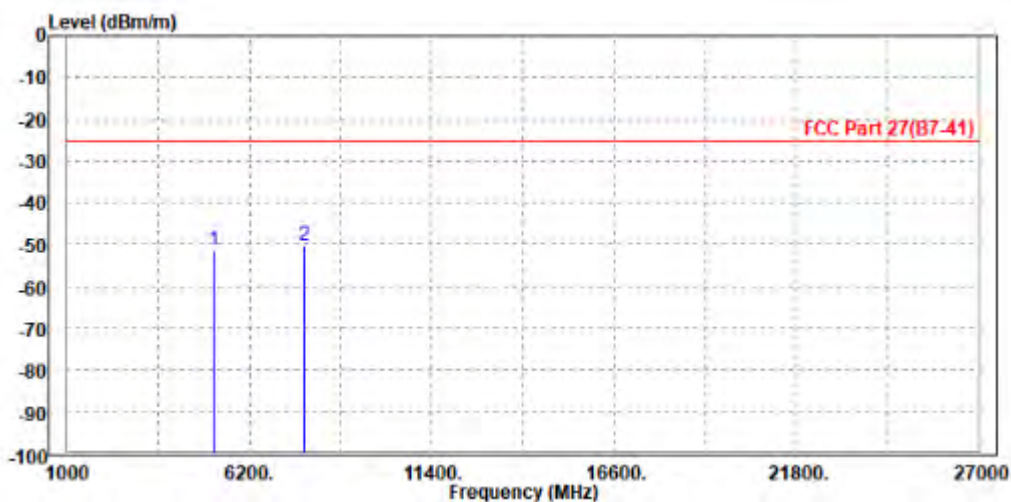


Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 20MHz + 5MHz

MODE	TX channel PCC 40595	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40712		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.29	-61.27	-25.00	-26.29	9.98	Peak	Horizontal
2 PP	7771.500	-50.02	-63.41	-25.00	-25.02	13.39	Peak	Horizontal

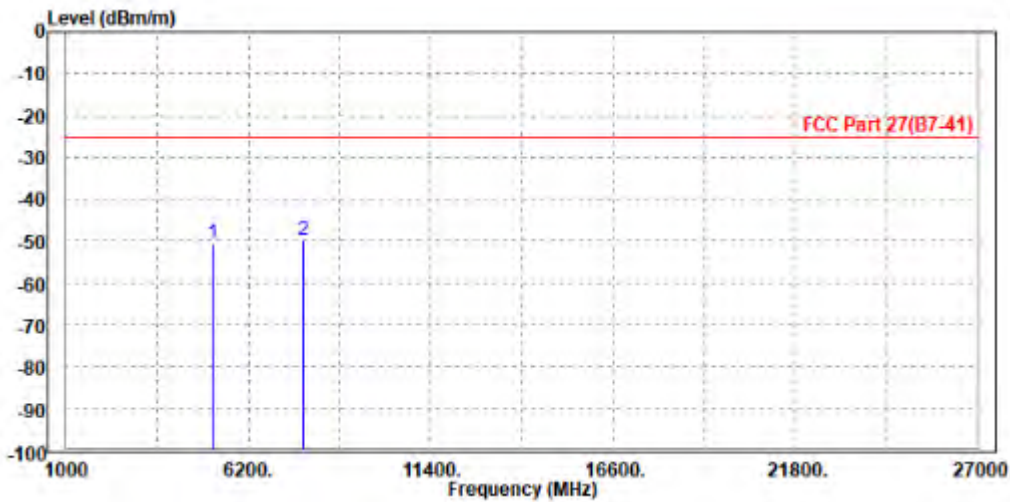




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 40595	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40712		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-50.60	-61.04	-25.00	-25.60	10.44	Peak	Vertical
2 PP	7771.500	-49.83	-64.93	-25.00	-24.83	15.10	Peak	Vertical



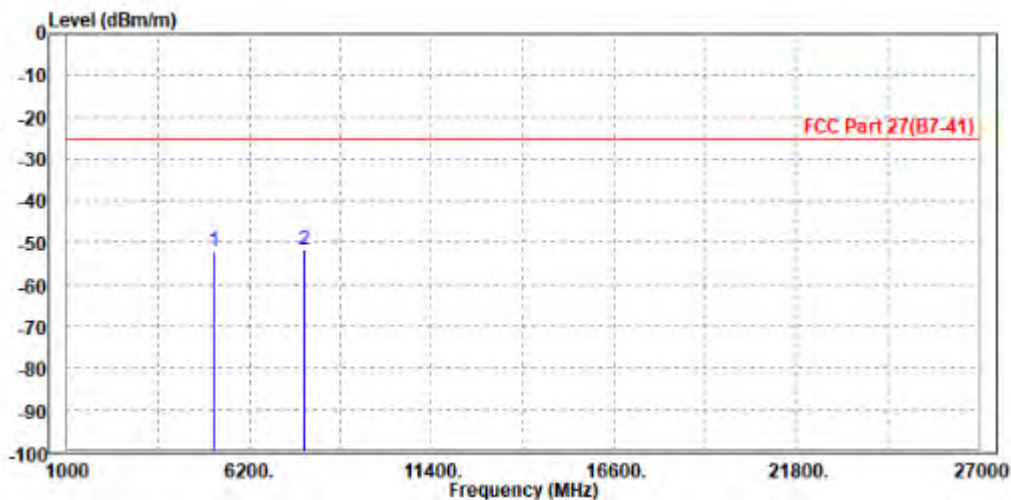


Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 20MHz + 10MHz

MODE	TX channel PCC 40571	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40715		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-52.05	-62.03	-25.00	-27.05	9.98	Peak	Horizontal
2 PP	7764.300	-51.70	-65.04	-25.00	-26.70	13.34	Peak	Horizontal

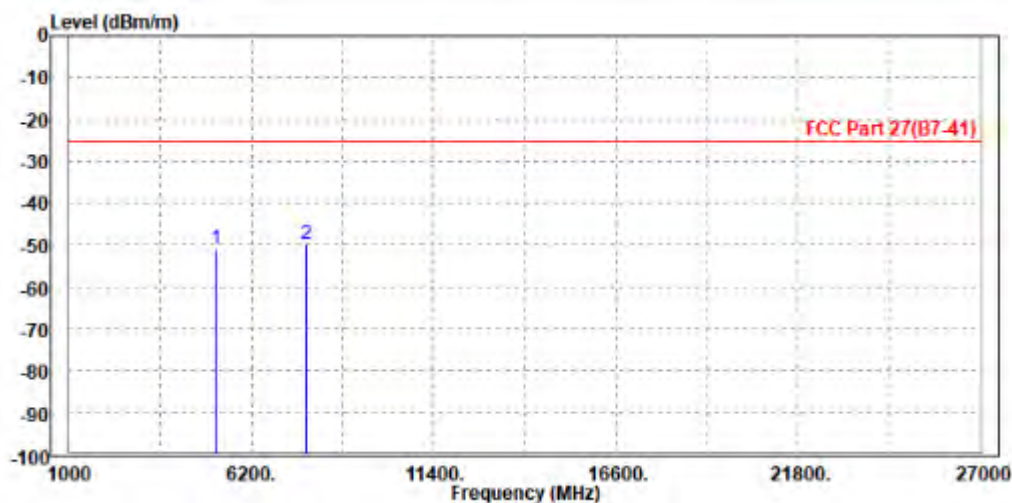




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 40571	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40715		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-50.88	-61.32	-25.00	-25.88	10.44	Peak	Vertical
2	PP 7764.300	-49.89	-64.98	-25.00	-24.89	15.09	Peak	Vertical



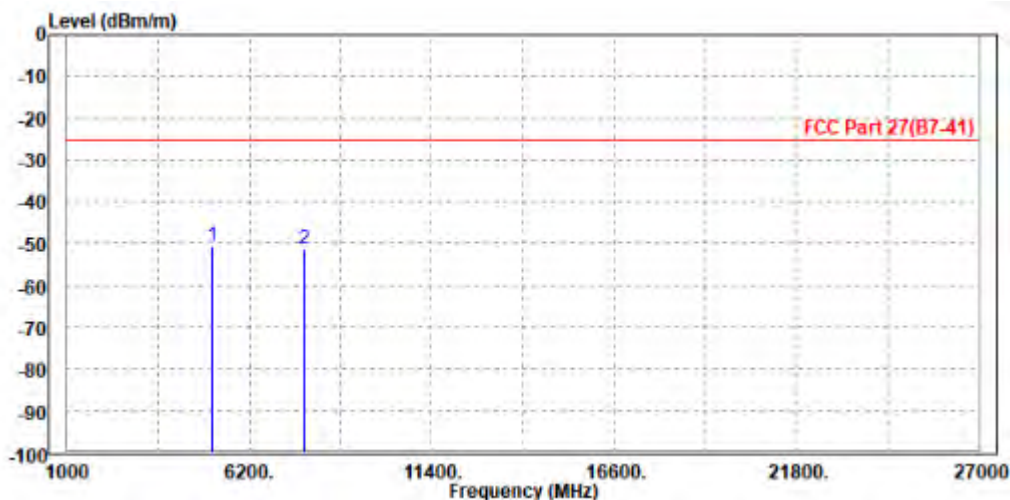


Test Report No.: W7L-P22080003RF06

CHANNEL BANDWIDTH: 20MHz + 15MHz

MODE	TX channel PCC 40546	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40717		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	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	-50.51	-60.45	-25.00	-25.51	9.94	Peak	Horizontal
2	7756.800	-51.19	-64.47	-25.00	-26.19	13.28	Peak	Horizontal

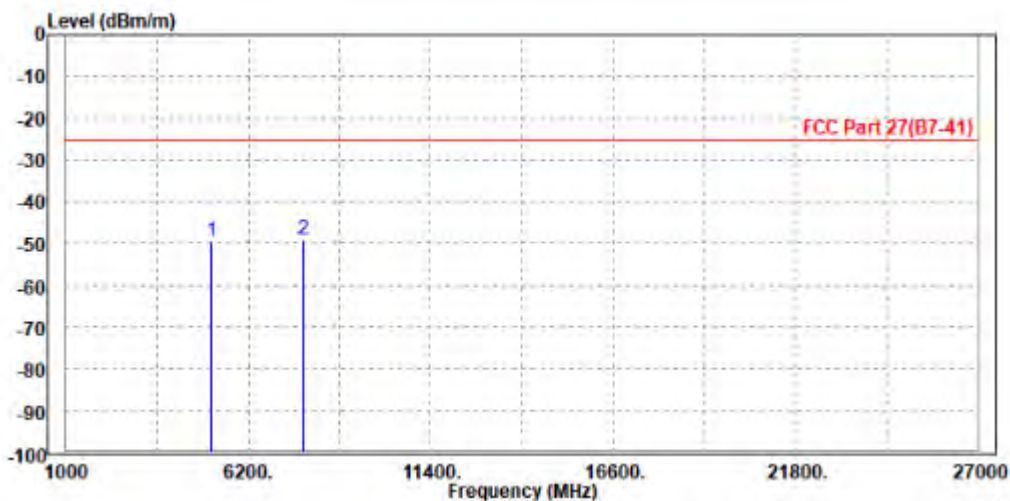




Test Report No.: W7L-P22080003RF06

MODE	TX channel PCC 40546	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 40717		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5160.000	-49.46	-59.88	-25.00	-24.46	10.42	Peak	Vertical
2 PP	7756.800	-48.99	-64.07	-25.00	-23.99	15.08	Peak	Vertical





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**Test Report No.: W7L-P22080003RF06**

**CHANNEL BANDWIDTH: 20MHz + 20MHz**

<b>MODE</b>	TX channel PCC 40521	<b>FREQUENCY RANGE</b>	Above 1000MHz
	TX channel SCC 40719		
<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH	<b>INPUT POWER</b>	AC 120V/60HZ
<b>TESTED BY</b>	Jace Hu		
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>			

	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	-49.12	-59.06	-25.00	-24.12	9.94	Peak	Horizontal
2	7749.300	-50.74	-63.97	-25.00	-25.74	13.23	Peak	Horizontal

