



BUREAU VERITAS

Test Report No.: PSZ-QBJ2501200112RF05



Certificate #6613.01

# FCC TEST REPORT (PART 27)

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

Manufacturer or Supplier:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Product:	Mobile Phone
Brand Name:	POCO
Model Name:	25053PC47G
FCC ID:	2AFZZPC47G
Date of tests:	Feb. 13, 2025-Mar. 26, 2025

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

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> FCC Part 2         | <input checked="" type="checkbox"/> ANSI/TIA/EIA-603-E |
| <input checked="" type="checkbox"/> FCC Part 27        | <input checked="" type="checkbox"/> ANSI C63.26-2015   |
| <input checked="" type="checkbox"/> ANSI/TIA/EIA-603-D |  |

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

Prepared by Hanwen Xu Engineer / Mobile Department	Approved by Peibo Sun Manager / Mobile Department
Date: Mar. 26, 2025	Date: Mar. 26, 2025

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.

Huarui 7layers High Technology  
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech District,  
Suzhou City, Anhui Province

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**BUREAU**  
**VERITAS**

Test Report No.: PSZ-QBJ2501200112RF05

## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSZ-QBJ2501200112RF05	Original release	Mar. 26, 2025



# 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	TEST LAB*
§2.1046	Conducted Output Power	Compliance	A
§27.50(h)(2) §27.50(d)(4)	Equivalent Isotropically Radiated Power (Band 7C) (Band 38C) (Band 41C)	Compliance	A
§2.1055 §27.54	Frequency Stability	Compliance	A
§2.1049	Occupied Bandwidth	Compliance	A
§2.1051 §27.53(g) §27.53(h) §27.53(m)(4)(6)	Conducted Band Edge Measurements (Band 7C) (Band 38C) (Band 41C)	Compliance	A
§2.1051 §27.53(g) §27.53(h) §27.53(m)(4)(6)	Conducted Spurious Emissions (Band 7C) (Band 38C) (Band 41C)	Compliance	A
§2.1053 §27.53(g) §27.53(h) §27.53(m)(4)(6)	Radiated Spurious Emissions (Band 7C) (Band 38C) (Band 41C)	Compliance	A
NA	Peak to average ratio	Compliance	A

**\*Test Lab Information Reference**

**Lab A:**

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

**Lab Address:**

Tower N, Innovation Center, 88 Zhuyi Road, High-tech District, Suzhou City, Anhui Province

**Accredited Test Lab Cert 6613.01**

The FCC Site Registration No. is 434559; The Designation No. is CN1325.

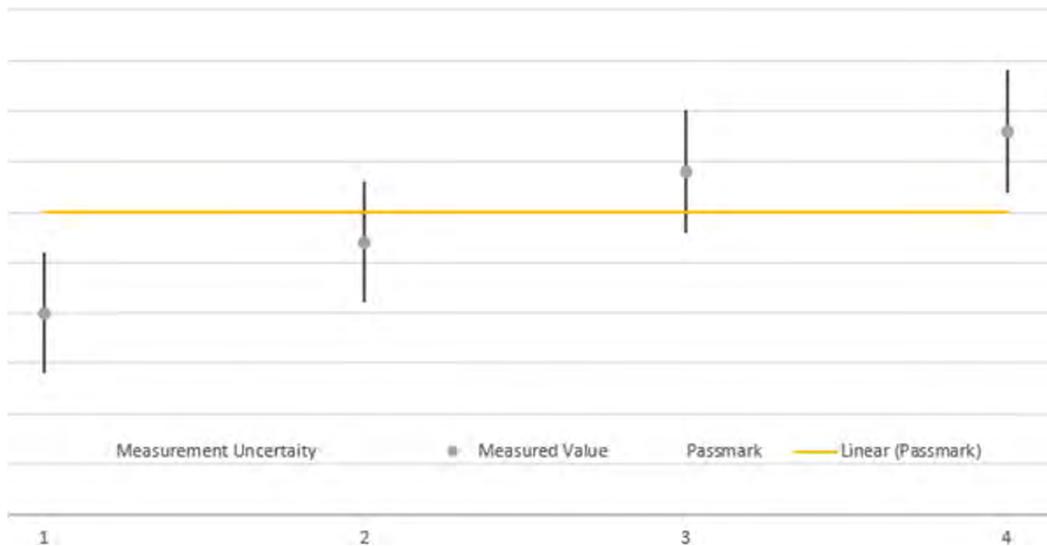


### 1.1 MEASUREMENT UNCERTAINTY

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 (9KHz~30MHz)	±2.68dB
Radiated emissions & Radiated Power (30MHz~1GHz)	±4.98dB
Radiated emissions & Radiated Power (1GHz ~6GHz)	±4.70dB
Radiated emissions (6GHz ~18GHz)	±4.60dB
Radiated emissions (18GHz ~40GHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Conducted Output power	±2.06dB
Band Edge Measurements	±4.70dB

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



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.



## 1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Pre-Amplifier	R&S	SCU18F1	100815	Aug.29,24	Aug.28,26
Pre-Amplifier	R&S	SCU08F1	101028	Sep.15,24	Sep.14,26
Vector Signal Generator	R&S	SMBV100B	102176	Feb.15,24	Feb.14,26
Signal Generator	R&S	SMB100A	182185	Feb.15,24	Feb.14,26
3m Fully-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-01Chamber	Nov.25,22	Nov.24,25
3m Semi-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-02Chamber	Nov.25,22	Nov.24,25
EMI TEST Receiver	R&S	ESR26	101734	Feb.24,24	Feb.23,26
EMI TEST Receiver	R&S	ESW44	101973	Feb.24,24	Feb.23,26
Bilog Antenna	SCHWARZBECK	VULB 9163	1264	Feb.27,24	Feb.26,26
Horn Antenna	ETS-LINDGREN	3117	227836	Aug.21,24	Aug.20,26
Horn Antenna (18GHz-40GHz)	Steatite Q-par Antennas	QMS 00880	23486	Feb.22,24	Feb.21,26
Horn Antenna	Steatite Q-par Antennas	QMS 00208	23485	Aug.21,24	Aug.20,26
Loop Antenna	SCHWARZ	HFH2-Z2/Z2E	100976	Feb.22,24	Feb.21,26
WIDEBANDRADIO COMMUNICATION TESTER	R&S	CMW500	169399	Jun.26,24	Jun.25,26
Test Software	EMC32	EMC32	N/A	N/A	N/A
Test Software	ELEKTRA	ELEKTRA4.32	N/A	N/A	N/A
Open Switch and Control Unit	R&S	OSP220	101964	Sep.30,24	Sep.39,26
DC Source	HYELEC	HY3010B	551016	Aug.30,24	Aug.29,26
Hygrothermograph	DELI	20210528	SZ014	Sep.05,24	Sep.04,26
PC	LENOVO	E14	HRSW0024	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-7.00M	N/A	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-4.00M	N/A	N/A	N/A
CABLE	R&S	W13.02	N/A	Apr.26,24	Oct.25,25
CABLE	R&S	W12.14	N/A	Apr.26,24	Oct.25,25
CABLE	R&S	J12J103539-00-1	SEP-03-20-069	Apr.26,24	Oct.25,25
CABLE	R&S	J12J103539-00-1	SEP-03-20-070	Apr.26,24	Oct.25,25
Temperature Chamber	votsch	VT4002	58566078100050	May.30,24	May.29,26

### NOTE:

1. The calibration interval of the above test instruments is 12/ 24 / 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 434559; The Designation No. is CN1325.



## 2 GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

<b>PRODUCT</b>	Mobile Phone	
<b>BRAND NAME</b>	POCO	
<b>MODEL NAME</b>	25053PC47G	
<b>NOMINAL VOLTAGE</b>	5/3.6-20V dc (adapter or host equipment) 3.93Vdc (Li-ion, battery)	
<b>MODULATION TECHNOLOGY</b>	LTE	QPSK, 16QAM, 64QAM, 256QAM
<b>FREQUENCY RANGE</b>	LTE Band CA_7C Channel Bandwidth: 10MHz+20MHz	2505.5MHz ~ 2560MHz
	LTE Band CA_7C Channel Bandwidth: 15MHz+10MHz	2507.5MHz ~ 2564.7MHz
	LTE Band CA_7C Channel Bandwidth: 15MHz+15MHz	2507.5MHz ~ 2562.5MHz
	LTE Band CA_7C Channel Bandwidth: 15MHz+20MHz	2507.8MHz ~ 2560MHz
	LTE Band CA_7C Channel Bandwidth: 20MHz+10MHz	2510MHz ~ 2564.5MHz
	LTE Band CA_7C Channel Bandwidth: 20MHz+15MHz	2510MHz ~ 2562.2MHz
	LTE Band CA_7C Channel Bandwidth: 20MHz+20MHz	2510MHz ~ 2560MHz
	LTE Band CA_38C Channel Bandwidth: 15MHz+15MHz	2577.5MHz ~ 2612.5MHz
	LTE Band CA_38C Channel Bandwidth: 20MHz+20MHz	2580MHz ~ 2610MHz
	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
	LTE Band CA_41C Channel Bandwidth: 15MHz+10MHz	2503.5MHz ~ 2684.7MHz



	LTE Band CA_41C Channel Bandwidth: 15MHz+15MHz	2496MHz ~ 2682.5MHz
	LTE Band CA_41C Channel Bandwidth: 15MHz+20MHz	2503.8MHz ~ 2680MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+5MHz	2506MHz ~ 2686.7MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+10MHz	2506MHz ~ 2684.5MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+15MHz	2506MHz ~ 2682.2MHz
	LTE Band CA_41C Channel Bandwidth: 20MHz+20MHz	2506MHz ~ 2680MHz
	<b>MAX. EIRP or EPR POWER</b>	LTE Band CA_7C Channel Bandwidth: 20MHz+20MHz
LTE Band CA_7C Channel Bandwidth: 20MHz+15MHz		239.33mW
LTE Band CA_7C Channel Bandwidth: 15MHz+20MHz		237.14mW
LTE Band CA_7C Channel Bandwidth: 20MHz+10MHz		235.50mW
LTE Band CA_7C Channel Bandwidth: 10MHz+20MHz		233.88mW
LTE Band CA_7C Channel Bandwidth: 15MHz+15MHz		236.59mW
LTE Band CA_7C Channel Bandwidth: 15MHz+10MHz		232.81mW
LTE Band CA_38C Channel Bandwidth: 15MHz+15MHz		242.66mW
LTE Band CA_38C Channel Bandwidth: 20MHz+20MHz		246.04mW
LTE Band CA_41C Channel Bandwidth: 20M+20M		289.73mW
LTE Band CA_41C Channel Bandwidth: 20M+15M		277.33mW
LTE Band CA_41C Channel Bandwidth: 15M+20M		278.61mW
LTE Band CA_41C Channel Bandwidth: 20M+10M		285.76mW



	LTE Band CA_41C Channel Bandwidth: 10M+20M	282.49mW
	LTE Band CA_41C Channel Bandwidth: 15M+15M	279.90mW
	LTE Band CA_41C Channel Bandwidth: 15M+10M	277.97mW
	LTE Band CA_41C Channel Bandwidth: 10M+15M	285.10mW
	LTE Band CA_41C Channel Bandwidth: 20M+5M	279.25mW
	LTE Band CA_41C Channel Bandwidth: 5M+20M	281.84mW
	<b>EMISSION DESIGNATOR</b>	LTE Band CA_7C Channel Bandwidth: 10MHz+20MHz
LTE Band CA_7C Channel Bandwidth: 15MHz +10MHz		QPSK: 23M3G7D 16QAM: 23M3W7D
LTE Band CA_7C Channel Bandwidth: 15MHz +15MHz		QPSK: 28M5G7D 16QAM: 28M5W7D
LTE Band CA_7C Channel Bandwidth: 15MHz +20MHz		QPSK: 32M8G7D 16QAM: 32M8W7D
LTE Band CA_7C Channel Bandwidth: 20MHz +10MHz		QPSK: 28M0G7D 16QAM: 27M9W7D
LTE Band CA_7C Channel Bandwidth: 20MHz +15MHz		QPSK: 32M8G7D 16QAM: 32M8W7D
LTE Band CA_7C Channel Bandwidth: 20MHz +20MHz		QPSK: 38M0G7D 16QAM: 38M0W7D
LTE Band CA_41C Channel Bandwidth: 5MHz+20MHz		QPSK: 23M1G7D 16QAM: 23M1W7D
LTE Band CA_41C Channel Bandwidth: 20MHz+5MHz		QPSK: 23M1G7D 16QAM: 23M1W7D
LTE Band CA_41C Channel Bandwidth: 10MHz+15MHz		QPSK: 23M3G7D 16QAM: 23M3W7D
LTE Band CA_41C Channel Bandwidth: 15MHz+10MHz		QPSK: 23M3G7D 16QAM: 23M3W7D



	LTE Band CA_41C Channel Bandwidth: 15MHz+15MHz	QPSK: 28M3G7D
		16QAM: 28M5W7D
	LTE Band CA_41C Channel Bandwidth: 10MHz+20MHz	QPSK: 28M0G7D
		16QAM: 27M9W7D
	LTE Band CA_41C Channel Bandwidth: 15MHz+20MHz	QPSK: 32M8G7D
		16QAM: 32M8W7D
	LTE Band CA_41C Channel Bandwidth: 20MHz+10MHz	QPSK: 27M9G7D
	16QAM: 27M9W7D	
	LTE Band CA_41C Channel Bandwidth: 20MHz+15MHz	QPSK: 32M8G7D
		16QAM: 32M8W7D
	LTE Band CA_41C Channel Bandwidth: 20MHz+20MHz	QPSK: 38M1G7D
		16QAM: 38M0W7D
<b>ANTENNA TYPE</b>	PIFA	
<b>HW VERSION</b>	13510010U	
<b>SW VERSION</b>	Xiaomi HyperOS 2.0	
<b>I/O PORTS</b>	Refer to user's manual	
<b>CABLE SUPPLIED</b>	USB cable1: non-shielded cable, with w/o ferrite core, 1.0 meter USB cable2: non-shielded cable, with w/o ferrite core, 1.0 meter	
<b>EXTREME TEMPERATURE</b>	0°C-40°C	
<b>EXTREME VOLTAGE</b>	3.8V-4.3V	

**NOTE:**

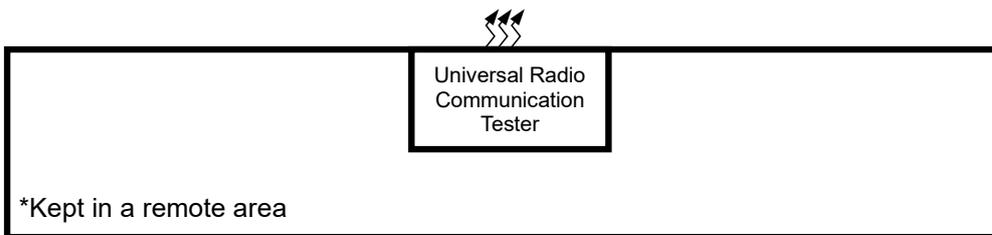
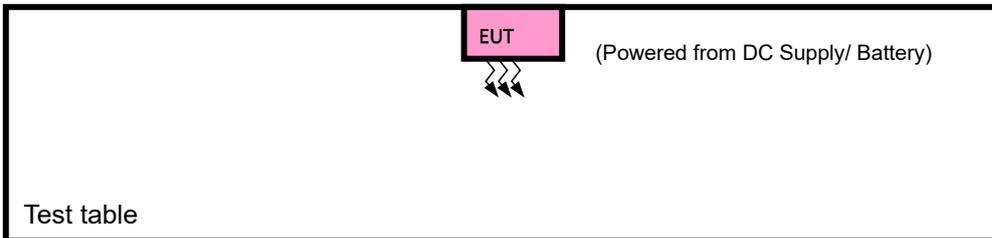
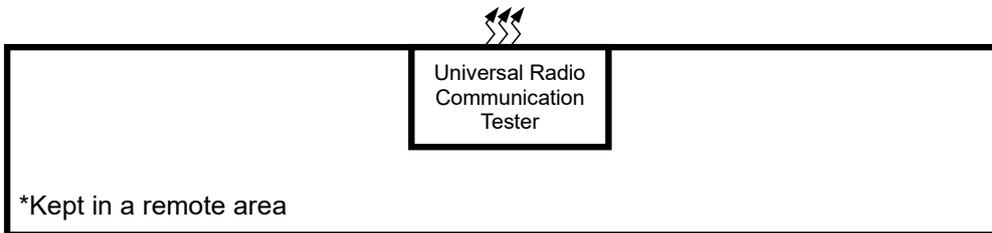
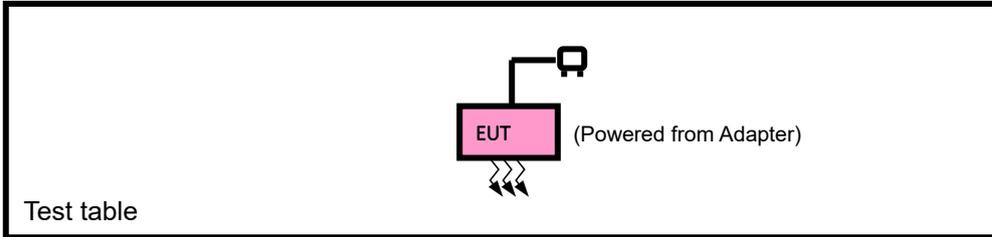
1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT incorporates a SISO function. Physically, the EUT provides four completed transmitter and four receivers.

MODULATION MODE	TX FUNCTION
LTE	4TX/4RX

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.
5. For Band Edge and Emission Mask: The all BW combinations were tested. Combination pairs of the same BW are considered generally equivalent. The RB combinations were selected such that the signal is active closest to the band limit, as this is the worst case.
6. For Out of Band Emissions: The all combination was tested. The highest power RB combination was selected as worst case.
7. The worst-case scenario for all measurements is based on an engineering evaluation made on different modulations. Then, QPSK and 16QAM were observed as the worst mode to LTE bands respectively and set for all conducted and radiated. Output power measurements were measured on QPSK, 16QAM, 64QAM, and 256QAM modulations, and tests other than output power are performed only in worse-case QPSK and 16QAM modulations.



## 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	Laptop	Lenovo	ThinkPad E14	HRSW00024	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	USB cable1: non-shielded cable, with w/o ferrite core, 1.0 meter
2	USB cable2: non-shielded cable, with w/o ferrite core, 1.0 meter

### 2.4 TEST ITEM AND TEST CONFIGURATION

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

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



LTE BAND CA_7C MODE								
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	AVAILABLE SCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(PCC)	MODE(SCC)
A	EIRP	20805 to 21206	20949 to 21350	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		20825 to 21277	20945 to 21397	Low, Middle, High	15MHz+10MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		20825 to 21225	20975 to 21375	Low, Middle, High	15MHz+15MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		20828 to 21179	20999 to 21350	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		20850 to 21251	20994 to 21395	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		20850 to 21201	21201 to 21372	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		20850 to 21152	21048 to 21350	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
A	OCCUPIED BANDWIDTH	20805 to 21206	20949 to 21350	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM	50RB/ 0RB Offset	100RB/ 0RB Offset
		20825 to 21277	20945 to 21397	Low, Middle, High	15MHz+10MHz	QPSK, 16QAM	75RB/ 0RB Offset	50RB/ 0RB Offset
		20825 to 21225	20975 to 21375	Low, Middle, High	15MHz+15MHz	QPSK, 16QAM	75RB/ 0RB Offset	75RB/ 0RB Offset
		20828 to 21179	20999 to 21350	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM	75RB/ 0RB Offset	100RB/ 0RB Offset
		20850 to 21251	20994 to 21395	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM	100RB/ 0RB Offset	50RB/ 0RB Offset
		20850 to 21201	21201 to 21372	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM	100RB/ 0RB Offset	75RB/ 0RB Offset
		20850 to 21152	21048 to 21350	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM	100RB/ 0RB Offset	100RB/ 0RB Offset
A	BAND EDGE	20805 to 21206	20949 to 21350	Low	10MHz+20MHz	QPSK	1RB/ 25RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
		High	10MHz+20MHz	QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset		
					1RB/ 99RB Offset	1RB/ 0RB Offset		
					100RB/ 0RB Offset	100RB/ 0RB Offset		



		20825 to 21277	20945 to 21397	Low	15MHz+10MHz	QPSK	1RB/ 25RB Offset	1RB/ 99RB Offset		
							1RB/ 99RB Offset	1RB/ 0RB Offset		
							100RB/ 0RB Offset	100RB/ 0RB Offset		
						QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset		
				High	15MHz+10MHz		1RB/ 99RB Offset	1RB/ 0RB Offset		
							100RB/ 0RB Offset	100RB/ 0RB Offset		
		20825 to 21225	20975 to 21375	Low	15MHz+15MHz	QPSK	1RB/ 25RB Offset	1RB/ 99RB Offset		
									1RB/ 99RB Offset	1RB/ 0RB Offset
									100RB/ 0RB Offset	100RB/ 0RB Offset
						QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset		
				High	15MHz+15MHz		1RB/ 99RB Offset	1RB/ 0RB Offset		
							100RB/ 0RB Offset	100RB/ 0RB Offset		
		20828 to 21179	20999 to 21350	Low	15MHz+20MHz	QPSK	1RB/ 25RB Offset	1RB/ 99RB Offset		
									1RB/ 99RB Offset	1RB/ 0RB Offset
									100RB/ 0RB Offset	100RB/ 0RB Offset
						QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset		
				High	15MHz+20MHz		1RB/ 99RB Offset	1RB/ 0RB Offset		
							100RB/ 0RB Offset	100RB/ 0RB Offset		
		20850 to 21251	20994 to 21395	Low	20MHz+10MHz	QPSK	1RB/ 25RB Offset	1RB/ 99RB Offset		
									1RB/ 99RB Offset	1RB/ 0RB Offset
									100RB/ 0RB Offset	100RB/ 0RB Offset
						QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset		
				High	20MHz+10MHz		1RB/ 99RB Offset	1RB/ 0RB Offset		
							100RB/ 0RB Offset	100RB/ 0RB Offset		
20850 to 21201	21201 to 21372	Low	20MHz+15MHz	QPSK	1RB/ 25RB Offset	1RB/ 99RB Offset				
							1RB/ 99RB Offset	1RB/ 0RB Offset		
							100RB/ 0RB Offset	100RB/ 0RB Offset		
				QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset				
		High	20MHz+15MHz		1RB/ 99RB Offset	1RB/ 0RB Offset				
					100RB/ 0RB Offset	100RB/ 0RB Offset				



		20850 to 21152	21048 to 21350	Low	20MHz+20MHz	QPSK	100RB/ 0RB Offset	100RB/ 0RB Offset
				High	20MHz+20MHz	QPSK	1RB/ 25RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
							1RB/ 0RB Offset	1RB/ 99RB Offset
				1RB/ 99RB Offset	1RB/ 0RB Offset			
100RB/ 0RB Offset	100RB/ 0RB Offset							
A	CONDUCTED EMISSION	20850 to 21152	21048 to 21350	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
A	RADIATED EMISSION	20825 to 21225	20975 to 21375	Low, Middle, High	15MHz+15MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset
		20825 to 21277	20945 to 21397	Middle	15MHz+10MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset
		20828 to 21179	20999 to 21350	Middle	15MHz+20MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset
		20805 to 21206	20949 to 21350	Middle	10MHz+20MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset
		20850 to 21152	21048 to 21350	Middle	20MHz+20MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset

**Note:**

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



LTE BAND CA_38C MODE								
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	AVAILABLE SCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(PCC)	MODE(SCC)
A	EIRP	37825 to 38025	37975 to 38175	Low, Middle, High	15MHz+15MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		37850 to 37952	38048 to 38150	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
A	RADIATED EMISSION	37850 to 37952	38048 to 38150	Low, Middle, High	20MHz+20MHz	QPSK	1RB / 99RB Offset	1RB/ 0RB Offset
		37825 to 38025	37975 to 38175	Middle	15MHz +15MHz	QPSK	1RB / 99RB Offset	1RB/ 0RB Offset

**Note:**

1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.
2. LTE Band 38C are covered by LTE Band 41C, Because it is a subset of LTE Band 41C with the same output power and supported bandwidths, So the conducted test data and RSE test data please refer to LTE Band 41C

LTE BAND CA_41C MODE								
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	AVAILABLE SCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(PC C)	MODE(SC C)
A	EIRP	39750 to 41341	39921 to 41512	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		39728 to 41319	39899 to 41490	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		39750 to 41391	39894 to 41535	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		39705 to 41346	39849 to 41490	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		39725 to 41365	39875 to 41515	Low, Middle, High	15MHz +15MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		39725 to 41417	39845 to 41537	Low, Middle, High	15MHz +10MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB / 74RB Offset	1RB / 0RB Offset
		39703 to 41395	39823 to 41515	Low, Middle, High	10MHz +15MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		39750 to 41440	39867 to 41557	Low, Middle, High	20MHz +5MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset



		39683 to 41373	39800 to 41490	Low, Middle, High	5MHz +20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 24RB Offset	1RB/ 0RB Offset
		39750 to 41292	39948 to 41490	Low, Middle, High	20MHz +20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB / 99RB Offset 1RB / 0RB Offset	1RB/ 0RB Offset
A	OCCUPIED BANDWIDT H	39750 to 41341	39921 to 41512	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM	100RB/ 0RB Offset	75RB/ 0RB Offset
		39728 to 41319	39899 to 41490	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM	75RB/ 0RB Offset	100RB/ 0RB Offset
		39750 to 41391	39894 to 41535	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM	100RB/ 0RB Offset	50RB/ 0RB Offset
		39705 to 41346	39849 to 41490	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM	50RB/ 0RB Offset	100RB/ 0RB Offset
		39725 to 41365	39875 to 41515	Low, Middle, High	15MHz +15MHz	QPSK, 16QAM	75RB/ 0RB Offset	75RB/ 0RB Offset
		39725 to 41417	39845 to 41537	Low, Middle, High	15MHz +10MHz	QPSK, 16QAM	75RB/ 0RB Offset	50RB/ 0RB Offset
		39703 to 41395	39823 to 41515	Low, Middle, High	10MHz +15MHz	QPSK, 16QAM	50RB/ 0RB Offset	75RB/ 0RB Offset
		39750 to 41440	39867 to 41557	Low, Middle, High	20MHz +5MHz	QPSK, 16QAM	100RB/ 0RB Offset	25RB/ 0RB Offset
		39683 to 41373	39800 to 41490	Low, Middle, High	5MHz +20MHz	QPSK, 16QAM	25RB/ 0RB Offset	100RB/ 0RB Offset
A	OCCUPIED BANDWIDT H	39750 to 41292	39948 to 41490	Low, Middle, High	20MHz +20MHz	QPSK, 16QAM	100RB/ 0RB Offset	100RB/ 0RB Offset
A	BAND EDGE	39750 to 41292	39948 to 41490	Low	20MHz+20MHz	QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset
				High	20MHz+20MHz		1RB/ 99RB Offset	1RB/ 0RB Offset
				Low	20MHz+15MHz		100RB/ 0RB Offset	100RB/ 0RB Offset
				High	20MHz+15MHz		1RB/ 0RB Offset	1RB/ 99RB Offset
				Low	20MHz+15MHz		1RB/ 99RB Offset	1RB/ 0RB Offset
				High	20MHz+15MHz		100RB/ 0RB Offset	100RB/ 0RB Offset
		39750 to 41341	39921 to 41512	Low	20MHz+15MHz	QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset
				High	20MHz+15MHz		1RB/ 99RB Offset	1RB/ 0RB Offset
				Low	15MHz+20MHz		100RB/ 0RB Offset	100RB/ 0RB Offset
				High	15MHz+20MHz		1RB/ 0RB Offset	1RB/ 99RB Offset
				Low	15MHz+20MHz		1RB/ 99RB Offset	1RB/ 0RB Offset
				High	15MHz+20MHz		100RB/ 0RB Offset	100RB/ 0RB Offset
39728 to 41319	39899 to 41490	Low	15MHz+20MHz	QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset		



				High	15MHz+20MHz		1RB/ 99RB Offset	1RB/ 0RB Offset
				100RB/ 0RB Offset	100RB/ 0RB Offset			
		39750 to 41391	39894 to 41535	Low	20MHz+10MHz	QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
				High	20MHz+10MHz		100RB/ 0RB Offset	100RB/ 0RB Offset
							1RB/ 0RB Offset	1RB/ 99RB Offset
		39705 to 41346	39849 to 41490	Low	10MHz+20MHz	QPSK	1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
							1RB/ 0RB Offset	1RB/ 99RB Offset
				High	10MHz+20MHz		1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
		39725 to 41365	39875 to 41515	Low	15MHz+15MHz	QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
				High	15MHz+15MHz		1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
		39725 to 41417	39845 to 41537	Low	15MHz+10MHz	QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
High	15MHz+10MHz			100RB/ 0RB Offset	100RB/ 0RB Offset			
				1RB/ 0RB Offset	1RB/ 99RB Offset			

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							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
		39703 to 41395	39823 to 41515	Low	10MHz+15MHz	QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
				High	10MHz+15MHz		1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
		39750 to 41440	39867 to 41557	Low	20MHz+5MHz	QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
				High	20MHz+5MHz		1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
		39683 to 41373	39800 to 41490	Low	5MHz+20MHz	QPSK	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
				High	5MHz+20MHz		1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
A	CONDUCTED EMISSION	39750 to 41292	39948 to 41490	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
A	RADIATED EMISSION	39750 to 41292	39948 to 41490	Low,Middle,High	20MHz+20MHz	QPSK	1RB / 99RB Offset	1RB/ 0RB Offset
		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 / 99RB 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 / 99RB Offset	1RB/ 0RB Offset
		39725 to 41365	39875 to 41515	Middle	15MHz +15MHz	QPSK	1RB / 99RB Offset	1RB/ 0RB Offset
		39725 to 41417	39845 to 41537	Middle	15MHz +10MHz	QPSK	1RB / 99RB Offset	1RB/ 0RB Offset
		39703 to 41395	39823 to 41515	Middle	10MHz +15MHz	QPSK	1RB / 99RB Offset	1RB/ 0RB Offset
		39750 to 41440	39867 to 41557	Middle	20MHz +5MHz	QPSK	1RB / 99RB Offset	1RB/ 0RB Offset

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

<b>TEST CONDITION</b>			
<b>TEST ITEM</b>	<b>ENVIRONMENTAL CONDITIONS</b>	<b>INPUT POWER</b>	<b>TESTED BY</b>
ERP&EIRP	23deg. C, 70%RH	DC 3.93V By Adapter	Hanwen Xu
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.93V By Adapter	Hanwen Xu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC 3.93V By Adapter	Hanwen Xu
BAND EDGE	23deg. C, 70%RH	DC 3.93V By Adapter	Hanwen Xu
CONDUCTED EMISSION	23deg. C, 70%RH	DC 3.93V By Adapter	Hanwen Xu
RADIATED EMISSION	23deg. C, 70%RH	DC 3.93V By Adapter	Hanwen Xu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC 3.93V By Adapter	Hanwen Xu



## **2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS**

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

**FCC 47 CFR Part 2**

**FCC 47 CFR Part 27**

**KDB 971168 D01 Power Meas License Digital Systems v03r01**

**ANSI/TIA/EIA-603-D**

**ANSI/TIA/EIA-603-E**

**ANSI C63.26-2015**

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



### 3 TEST TYPES AND RESULTS

#### 3.1 OUTPUT POWER MEASUREMENT

##### 3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

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

According to the specific rule Part 27.50(c)(10) Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

According to the specific rule Part 27.50(d)(4) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

##### 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:**

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



### 3.1.3 TEST SETUP

#### CONDUCTED POWER MEASUREMENT:



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



### 3.1.4 TEST RESULTS

#### CONDUCTED OUTPUT POWER (dBm)

CA\_7C ANT0

CA_7C Ant0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	21048	2529.8	QPSK	1	99	1	0	23.84
				16QAM	1	99	1	0	23.26
				64QAM	1	99	1	0	22.14
				256QAM	1	99	1	0	18.76
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	22.52
				16QAM	1	99	1	0	21.93
				64QAM	1	99	1	0	22.14
				256QAM	1	99	1	0	18.82
21152	2540.2	21350	2560	QPSK	1	99	1	0	23.81
				16QAM	1	99	1	0	23.21
				64QAM	1	99	1	0	22.10
				256QAM	1	99	1	0	18.87
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	21021	2527.1	QPSK	1	99	1	0	23.71
				16QAM	1	99	1	0	23.22
				64QAM	1	99	1	0	22.07
				256QAM	1	99	1	0	18.75
21026	2527.6	21197	2544.7	QPSK	1	99	1	0	22.40
				16QAM	1	99	1	0	21.78
				64QAM	1	99	1	0	22.07
				256QAM	1	99	1	0	18.76
21201	2545.1	21372	2562.2	QPSK	1	99	1	0	23.69
				16QAM	1	99	1	0	23.06
				64QAM	1	99	1	0	22.07
				256QAM	1	99	1	0	18.81
Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20828	2507.8	20999	2524.9	QPSK	1	74	1	0	23.74
				16QAM	1	74	1	0	23.15
				64QAM	1	74	1	0	22.09
				256QAM	1	74	1	0	18.63
21003	2525.3	21174	2542.4	QPSK	1	74	1	0	22.37
				16QAM	1	74	1	0	21.80
				64QAM	1	74	1	0	22.00
				256QAM	1	74	1	0	18.77
21179	2542.9	21350	2560	QPSK	1	74	1	0	23.67
				16QAM	1	74	1	0	23.10
				64QAM	1	74	1	0	22.07
				256QAM	1	74	1	0	18.74



Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	20994	2524.4	QPSK	1	99	1	0	23.72
				16QAM	1	99	1	0	23.11
				64QAM	1	99	1	0	22.07
				256QAM	1	99	1	0	18.71
21051	2530.1	21195	2544.5	QPSK	1	99	1	0	22.47
				16QAM	1	99	1	0	21.91
				64QAM	1	99	1	0	22.00
				256QAM	1	99	1	0	18.77
21251	2550.1	21395	2564.5	QPSK	1	99	1	0	23.78
				16QAM	1	99	1	0	23.14
				64QAM	1	99	1	0	21.99
				256QAM	1	99	1	0	18.79
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20805	2505.5	20949	2519.9	QPSK	1	49	1	0	23.83
				16QAM	1	49	1	0	23.18
				64QAM	1	49	1	0	22.04
				256QAM	1	49	1	0	18.75
21006	2525.6	21150	2540	QPSK	1	49	1	0	22.51
				16QAM	1	49	1	0	21.85
				64QAM	1	49	1	0	22.05
				256QAM	1	49	1	0	18.70
21206	21206	21350	21220.4	QPSK	1	49	1	0	23.68
				16QAM	1	49	1	0	23.09
				64QAM	1	49	1	0	22.02
				256QAM	1	49	1	0	18.82
Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20825	2507.5	20975	2522.5	QPSK	1	74	1	0	23.75
				16QAM	1	74	1	0	23.12
				64QAM	1	74	1	0	22.04
				256QAM	1	74	1	0	18.71
21025	2527.5	21175	2542.5	QPSK	1	74	1	0	22.44
				16QAM	1	74	1	0	21.78
				64QAM	1	74	1	0	22.13
				256QAM	1	74	1	0	18.81
21225	2547.5	21375	2562.5	QPSK	1	74	1	0	23.75
				16QAM	1	74	1	0	23.16
				64QAM	1	74	1	0	22.09
				256QAM	1	74	1	0	18.80



<b>Combination 15MHz+10MHz (75RB+50RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20825	2507.5	20945	2519.5	QPSK	1	74	1	0	23.69
				16QAM	1	74	1	0	23.19
				64QAM	1	74	1	0	22.07
				256QAM	1	74	1	0	18.71
21051	2530.1	21171	2542.1	QPSK	1	74	1	0	22.48
				16QAM	1	74	1	0	21.87
				64QAM	1	74	1	0	22.02
				256QAM	1	74	1	0	18.67
21277	2552.7	21397	2564.7	QPSK	1	74	1	0	23.78
				16QAM	1	74	1	0	23.20
				64QAM	1	74	1	0	21.95
				256QAM	1	74	1	0	18.83



CA_7C Ant2									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	21048	2529.8	QPSK	1	99	1	0	24.52
				16QAM	1	99	1	0	23.19
				64QAM	1	99	1	0	22.13
				256QAM	1	99	1	0	19.32
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	24.30
				16QAM	1	99	1	0	23.21
				64QAM	1	99	1	0	22.52
				256QAM	1	99	1	0	19.27
21152	2540.2	21350	2560	QPSK	1	99	1	0	24.47
				16QAM	1	99	1	0	23.15
				64QAM	1	99	1	0	22.53
				256QAM	1	99	1	0	19.18
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	21021	2527.1	QPSK	1	99	1	0	24.37
				16QAM	1	99	1	0	23.06
				64QAM	1	99	1	0	21.99
				256QAM	1	99	1	0	19.25
21026	2527.6	21197	2544.7	QPSK	1	99	1	0	24.21
				16QAM	1	99	1	0	23.10
				64QAM	1	99	1	0	22.44
				256QAM	1	99	1	0	19.19
21201	2545.1	21372	2562.2	QPSK	1	99	1	0	24.36
				16QAM	1	99	1	0	23.07
				64QAM	1	99	1	0	22.42
				256QAM	1	99	1	0	19.03
Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20828	2507.8	20999	2524.9	QPSK	1	74	1	0	24.40
				16QAM	1	74	1	0	23.13
				64QAM	1	74	1	0	22.05
				256QAM	1	74	1	0	19.23
21003	2525.3	21174	2542.4	QPSK	1	74	1	0	24.20
				16QAM	1	74	1	0	23.17
				64QAM	1	74	1	0	22.47
				256QAM	1	74	1	0	19.14
21179	2542.9	21350	2560	QPSK	1	74	1	0	24.37
				16QAM	1	74	1	0	23.03
				64QAM	1	74	1	0	22.38
				256QAM	1	74	1	0	19.07



<b>Combination 20MHz+10MHz (100RB+50RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	20994	2524.4	QPSK	1	99	1	0	24.51
				16QAM	1	99	1	0	23.05
				64QAM	1	99	1	0	22.04
				256QAM	1	99	1	0	19.18
21051	2530.1	21195	2544.5	QPSK	1	99	1	0	24.21
				16QAM	1	99	1	0	23.20
				64QAM	1	99	1	0	22.44
				256QAM	1	99	1	0	19.14
21251	2550.1	21395	2564.5	QPSK	1	99	1	0	24.35
				16QAM	1	99	1	0	23.04
				64QAM	1	99	1	0	22.45
				256QAM	1	99	1	0	19.13
<b>Combination 10MHz+20MHz (50RB+100RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20805	2505.5	20949	2519.9	QPSK	1	49	1	0	24.39
				16QAM	1	49	1	0	23.17
				64QAM	1	49	1	0	22.01
				256QAM	1	49	1	0	19.23
21006	2525.6	21150	2540	QPSK	1	49	1	0	24.29
				16QAM	1	49	1	0	23.06
				64QAM	1	49	1	0	22.43
				256QAM	1	49	1	0	19.22
21206	21206	21350	21220.4	QPSK	1	49	1	0	24.32
				16QAM	1	49	1	0	23.11
				64QAM	1	49	1	0	22.40
				256QAM	1	49	1	0	19.03
<b>Combination 15MHz+15MHz (75RB+75RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20825	2507.5	20975	2522.5	QPSK	1	74	1	0	24.44
				16QAM	1	74	1	0	23.07
				64QAM	1	74	1	0	22.05
				256QAM	1	74	1	0	19.19
21025	2527.5	21175	2542.5	QPSK	1	74	1	0	24.24
				16QAM	1	74	1	0	23.11
				64QAM	1	74	1	0	22.39
				256QAM	1	74	1	0	19.15
21225	2547.5	21375	2562.5	QPSK	1	74	1	0	24.34
				16QAM	1	74	1	0	23.13
				64QAM	1	74	1	0	22.49
				256QAM	1	74	1	0	19.15



<b>Combination 15MHz+10MHz (75RB+50RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20825	2507.5	20945	2519.5	QPSK	1	74	1	0	24.47
				16QAM	1	74	1	0	23.04
				64QAM	1	74	1	0	22.08
				256QAM	1	74	1	0	19.23
21051	2530.1	21171	2542.1	QPSK	1	74	1	0	24.18
				16QAM	1	74	1	0	23.08
				64QAM	1	74	1	0	22.37
				256QAM	1	74	1	0	19.15
21277	2552.7	21397	2564.7	QPSK	1	74	1	0	24.33
				16QAM	1	74	1	0	23.14
				64QAM	1	74	1	0	22.50
				256QAM	1	74	1	0	19.11



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Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	21048	2529.8	QPSK	1	99	1	0	24.07
				16QAM	1	99	1	0	23.53
				64QAM	1	99	1	0	22.43
				256QAM	1	99	1	0	19.45
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	24.09
				16QAM	1	99	1	0	23.43
				64QAM	1	99	1	0	22.38
				256QAM	1	99	1	0	19.39
21152	2540.2	21350	2560	QPSK	1	99	1	0	<b>24.11</b>
				16QAM	1	99	1	0	23.62
				64QAM	1	99	1	0	22.19
				256QAM	1	99	1	0	19.35
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	21021	2527.1	QPSK	1	99	1	0	23.94
				16QAM	1	99	1	0	23.40
				64QAM	1	99	1	0	22.31
				256QAM	1	99	1	0	19.31
21026	2527.6	21197	2544.7	QPSK	1	99	1	0	23.94
				16QAM	1	99	1	0	23.32
				64QAM	1	99	1	0	22.31
				256QAM	1	99	1	0	19.31
21201	2545.1	21372	2562.2	QPSK	1	99	1	0	24.00
				16QAM	1	99	1	0	23.49
				64QAM	1	99	1	0	22.17
				256QAM	1	99	1	0	19.31
Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20828	2507.8	20999	2524.9	QPSK	1	74	1	0	23.92
				16QAM	1	74	1	0	23.39
				64QAM	1	74	1	0	22.35
				256QAM	1	74	1	0	19.35
21003	2525.3	21174	2542.4	QPSK	1	74	1	0	24.03
				16QAM	1	74	1	0	23.35
				64QAM	1	74	1	0	22.25
				256QAM	1	74	1	0	19.27
21179	2542.9	21350	2560	QPSK	1	74	1	0	24.05
				16QAM	1	74	1	0	23.56
				64QAM	1	74	1	0	22.11
				256QAM	1	74	1	0	19.22



Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	20994	2524.4	QPSK	1	99	1	0	23.97
				16QAM	1	99	1	0	23.40
				64QAM	1	99	1	0	22.41
				256QAM	1	99	1	0	19.33
21051	2530.1	21195	2544.5	QPSK	1	99	1	0	24.00
				16QAM	1	99	1	0	23.37
				64QAM	1	99	1	0	22.31
				256QAM	1	99	1	0	19.35
21251	2550.1	21395	2564.5	QPSK	1	99	1	0	23.96
				16QAM	1	99	1	0	23.48
				64QAM	1	99	1	0	22.14
				256QAM	1	99	1	0	19.20
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20805	2505.5	20949	2519.9	QPSK	1	49	1	0	23.95
				16QAM	1	49	1	0	23.38
				64QAM	1	49	1	0	22.39
				256QAM	1	49	1	0	19.44
21006	2525.6	21150	2540	QPSK	1	49	1	0	23.95
				16QAM	1	49	1	0	23.37
				64QAM	1	49	1	0	22.27
				256QAM	1	49	1	0	19.27
21206	21206	21350	21220.4	QPSK	1	49	1	0	24.03
				16QAM	1	49	1	0	23.60
				64QAM	1	49	1	0	22.15
				256QAM	1	49	1	0	19.32
Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20825	2507.5	20975	2522.5	QPSK	1	74	1	0	24.01
				16QAM	1	74	1	0	23.43
				64QAM	1	74	1	0	22.35
				256QAM	1	74	1	0	19.39
21025	2527.5	21175	2542.5	QPSK	1	74	1	0	24.00
				16QAM	1	74	1	0	23.29
				64QAM	1	74	1	0	22.26
				256QAM	1	74	1	0	19.34
21225	2547.5	21375	2562.5	QPSK	1	74	1	0	23.97
				16QAM	1	74	1	0	23.48
				64QAM	1	74	1	0	22.15
				256QAM	1	74	1	0	19.29



<b>Combination 15MHz+10MHz (75RB+50RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20825	2507.5	20945	2519.5	QPSK	1	74	1	0	24.05
				16QAM	1	74	1	0	23.38
				64QAM	1	74	1	0	22.33
				256QAM	1	74	1	0	19.34
21051	2530.1	21171	2542.1	QPSK	1	74	1	0	23.98
				16QAM	1	74	1	0	23.40
				64QAM	1	74	1	0	22.37
				256QAM	1	74	1	0	19.24
21277	2552.7	21397	2564.7	QPSK	1	74	1	0	24.01
				16QAM	1	74	1	0	23.61
				64QAM	1	74	1	0	22.09
				256QAM	1	74	1	0	19.30



CA_7C Ant4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	21048	2529.8	QPSK	1	99	1	0	23.89
				16QAM	1	99	1	0	23.57
				64QAM	1	99	1	0	22.51
				256QAM	1	99	1	0	19.68
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	23.65
				16QAM	1	99	1	0	22.86
				64QAM	1	99	1	0	21.93
				256QAM	1	99	1	0	18.96
21152	2540.2	21350	2560	QPSK	1	99	1	0	23.74
				16QAM	1	99	1	0	23.08
				64QAM	1	99	1	0	22.11
				256QAM	1	99	1	0	19.31
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	21021	2527.1	QPSK	1	99	1	0	23.86
				16QAM	1	99	1	0	23.49
				64QAM	1	99	1	0	22.45
				256QAM	1	99	1	0	19.62
21026	2527.6	21197	2544.7	QPSK	1	99	1	0	23.64
				16QAM	1	99	1	0	22.81
				64QAM	1	99	1	0	21.78
				256QAM	1	99	1	0	18.95
21201	2545.1	21372	2562.2	QPSK	1	99	1	0	23.69
				16QAM	1	99	1	0	23.04
				64QAM	1	99	1	0	22.06
				256QAM	1	99	1	0	19.30
Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20828	2507.8	20999	2524.9	QPSK	1	74	1	0	23.82
				16QAM	1	74	1	0	23.44
				64QAM	1	74	1	0	22.39
				256QAM	1	74	1	0	19.54
21003	2525.3	21174	2542.4	QPSK	1	74	1	0	23.57
				16QAM	1	74	1	0	22.78
				64QAM	1	74	1	0	21.78
				256QAM	1	74	1	0	18.87
21179	2542.9	21350	2560	QPSK	1	74	1	0	23.66
				16QAM	1	74	1	0	23.06
				64QAM	1	74	1	0	22.07
				256QAM	1	74	1	0	19.23



Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20850	2510	20994	2524.4	QPSK	1	99	1	0	23.79
				16QAM	1	99	1	0	23.53
				64QAM	1	99	1	0	22.37
				256QAM	1	99	1	0	19.62
21051	2530.1	21195	2544.5	QPSK	1	99	1	0	23.64
				16QAM	1	99	1	0	22.76
				64QAM	1	99	1	0	21.84
				256QAM	1	99	1	0	18.82
21251	2550.1	21395	2564.5	QPSK	1	99	1	0	23.73
				16QAM	1	99	1	0	22.97
				64QAM	1	99	1	0	22.05
				256QAM	1	99	1	0	19.17
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20805	2505.5	20949	2519.9	QPSK	1	49	1	0	23.76
				16QAM	1	49	1	0	23.56
				64QAM	1	49	1	0	22.44
				256QAM	1	49	1	0	19.64
21006	2525.6	21150	2540	QPSK	1	49	1	0	23.58
				16QAM	1	49	1	0	22.78
				64QAM	1	49	1	0	21.89
				256QAM	1	49	1	0	18.86
21206	21206	21350	21220.4	QPSK	1	49	1	0	23.73
				16QAM	1	49	1	0	23.07
				64QAM	1	49	1	0	22.07
				256QAM	1	49	1	0	19.18
Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20825	2507.5	20975	2522.5	QPSK	1	74	1	0	23.81
				16QAM	1	74	1	0	23.56
				64QAM	1	74	1	0	22.43
				256QAM	1	74	1	0	19.53
21025	2527.5	21175	2542.5	QPSK	1	74	1	0	23.58
				16QAM	1	74	1	0	22.74
				64QAM	1	74	1	0	21.86
				256QAM	1	74	1	0	18.84
21225	2547.5	21375	2562.5	QPSK	1	74	1	0	23.65
				16QAM	1	74	1	0	22.94
				64QAM	1	74	1	0	22.09
				256QAM	1	74	1	0	19.24



<b>Combination 15MHz+10MHz (75RB+50RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
20825	2507.5	20945	2519.5	QPSK	1	74	1	0	23.74
				16QAM	1	74	1	0	23.52
				64QAM	1	74	1	0	22.39
				256QAM	1	74	1	0	19.53
21051	2530.1	21171	2542.1	QPSK	1	74	1	0	23.60
				16QAM	1	74	1	0	22.82
				64QAM	1	74	1	0	21.88
				256QAM	1	74	1	0	18.95
21277	2552.7	21397	2564.7	QPSK	1	74	1	0	23.70
				16QAM	1	74	1	0	23.04
				64QAM	1	74	1	0	22.03
				256QAM	1	74	1	0	19.20



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Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
37850	2580	38048	2599.8	QPSK	1	99	1	0	<b>23.61</b>
				16QAM	1	99	1	0	22.58
				64QAM	1	99	1	0	21.73
				256QAM	1	99	1	0	18.76
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	23.57
				16QAM	1	99	1	0	22.55
				64QAM	1	99	1	0	21.69
				256QAM	1	99	1	0	18.53
37952	2590.2	38150	2610	QPSK	1	99	1	0	23.59
				16QAM	1	99	1	0	22.57
				64QAM	1	99	1	0	21.74
				256QAM	1	99	1	0	18.49
Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
37825	2577.5	37975	2592.5	QPSK	1	74	1	0	23.46
				16QAM	1	74	1	0	22.50
				64QAM	1	74	1	0	21.68
				256QAM	1	74	1	0	18.72
37925	2587.5	38075	2602.5	QPSK	1	74	1	0	23.56
				16QAM	1	74	1	0	22.50
				64QAM	1	74	1	0	21.58
				256QAM	1	74	1	0	18.46
38025	2597.5	38175	2612.5	QPSK	1	74	1	0	23.58
				16QAM	1	74	1	0	22.54
				64QAM	1	74	1	0	21.67
				256QAM	1	74	1	0	18.35



CA_38C Ant2									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
37850	2580	38048	2599.8	QPSK	1	99	1	0	<b>23.86</b>
				16QAM	1	99	1	0	23.02
				64QAM	1	99	1	0	21.86
				256QAM	1	99	1	0	19.38
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	23.74
				16QAM	1	99	1	0	22.87
				64QAM	1	99	1	0	21.82
				256QAM	1	99	1	0	19.42
37952	2590.2	38150	2610	QPSK	1	99	1	0	23.77
				16QAM	1	99	1	0	22.86
				64QAM	1	99	1	0	21.84
				256QAM	1	99	1	0	19.51
Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
37825	2577.5	37975	2592.5	QPSK	1	74	1	0	23.81
				16QAM	1	74	1	0	22.96
				64QAM	1	74	1	0	21.83
				256QAM	1	74	1	0	19.29
37925	2587.5	38075	2602.5	QPSK	1	74	1	0	23.59
				16QAM	1	74	1	0	22.73
				64QAM	1	74	1	0	21.67
				256QAM	1	74	1	0	19.38
38025	2597.5	38175	2612.5	QPSK	1	74	1	0	23.67
				16QAM	1	74	1	0	22.79
				64QAM	1	74	1	0	21.80
				256QAM	1	74	1	0	19.50



CA\_38C ANT3

CA_38C Ant3									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
37850	2580	38048	2599.8	QPSK	1	99	1	0	24.12
				16QAM	1	99	1	0	23.34
				64QAM	1	99	1	0	22.18
				256QAM	1	99	1	0	19.39
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	24.12
				16QAM	1	99	1	0	23.13
				64QAM	1	99	1	0	22.21
				256QAM	1	99	1	0	19.48
37952	2590.2	38150	2610	QPSK	1	99	1	0	<b>24.19</b>
				16QAM	1	99	1	0	23.27
				64QAM	1	99	1	0	22.19
				256QAM	1	99	1	0	19.30
Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
37825	2577.5	37975	2592.5	QPSK	1	74	1	0	23.99
				16QAM	1	74	1	0	23.19
				64QAM	1	74	1	0	22.11
				256QAM	1	74	1	0	19.37
37925	2587.5	38075	2602.5	QPSK	1	74	1	0	24.06
				16QAM	1	74	1	0	23.09
				64QAM	1	74	1	0	22.14
				256QAM	1	74	1	0	19.45
38025	2597.5	38175	2612.5	QPSK	1	74	1	0	24.09
				16QAM	1	74	1	0	23.15
				64QAM	1	74	1	0	22.18
				256QAM	1	74	1	0	19.16



CA_38C Ant4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
37850	2580	38048	2599.8	QPSK	1	99	1	0	<b>23.82</b>
				16QAM	1	99	1	0	22.90
				64QAM	1	99	1	0	21.91
				256QAM	1	99	1	0	19.57
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	23.78
				16QAM	1	99	1	0	22.94
				64QAM	1	99	1	0	21.82
				256QAM	1	99	1	0	19.44
37952	2590.2	38150	2610	QPSK	1	99	1	0	23.76
				16QAM	1	99	1	0	22.78
				64QAM	1	99	1	0	21.76
				256QAM	1	99	1	0	19.55
Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
37825	2577.5	37975	2592.5	QPSK	1	74	1	0	23.76
				16QAM	1	74	1	0	22.89
				64QAM	1	74	1	0	21.71
				256QAM	1	74	1	0	19.25
37925	2587.5	38075	2602.5	QPSK	1	74	1	0	23.72
				16QAM	1	74	1	0	22.74
				64QAM	1	74	1	0	21.75
				256QAM	1	74	1	0	19.31
38025	2597.5	38175	2612.5	QPSK	1	74	1	0	23.67
				16QAM	1	74	1	0	22.74
				64QAM	1	74	1	0	21.71
				256QAM	1	74	1	0	19.46



CA_41C Ant0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39948	2525.8	QPSK	1	99	1	0	23.69
				16QAM	1	99	1	0	22.76
				64QAM	1	99	1	0	21.79
				256QAM	1	99	1	0	18.71
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	<b>23.72</b>
				16QAM	1	99	1	0	22.56
				64QAM	1	99	1	0	21.81
				256QAM	1	99	1	0	18.58
41292	2660.2	41490	2680	QPSK	1	99	1	0	23.13
				16QAM	1	99	1	0	22.14
				64QAM	1	99	1	0	21.19
				256QAM	1	99	1	0	18.24
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39921	2523.1	QPSK	1	99	1	0	23.57
				16QAM	1	99	1	0	22.72
				64QAM	1	99	1	0	21.78
				256QAM	1	99	1	0	18.63
40546	2585.6	40717	2602.7	QPSK	1	99	1	0	23.56
				16QAM	1	99	1	0	22.46
				64QAM	1	99	1	0	21.75
				256QAM	1	99	1	0	18.48
41341	2665.1	41512	2682.2	QPSK	1	99	1	0	22.98
				16QAM	1	99	1	0	22.04
				64QAM	1	99	1	0	21.16
				256QAM	1	99	1	0	18.18
Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39728	2503.8	39899	2520.9	QPSK	1	74	1	0	23.59
				16QAM	1	74	1	0	22.68
				64QAM	1	74	1	0	21.76
				256QAM	1	74	1	0	18.61
40523	2583.3	40694	2600.4	QPSK	1	74	1	0	23.65
				16QAM	1	74	1	0	22.45
				64QAM	1	74	1	0	21.68
				256QAM	1	74	1	0	18.46
41319	2662.9	41490	2680	QPSK	1	74	1	0	23.03
				16QAM	1	74	1	0	22.03
				64QAM	1	74	1	0	21.11
				256QAM	1	74	1	0	18.11



Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39725	2503.5	39875	2518.5	QPSK	1	74	1	0	23.68
				16QAM	1	74	1	0	22.75
				64QAM	1	74	1	0	21.70
				256QAM	1	74	1	0	18.67
40545	2585.5	40695	2600.5	QPSK	1	74	1	0	23.61
				16QAM	1	74	1	0	22.49
				64QAM	1	74	1	0	21.78
				256QAM	1	74	1	0	18.47
41365	2667.5	41515	2682.5	QPSK	1	74	1	0	23.12
				16QAM	1	74	1	0	22.06
				64QAM	1	74	1	0	21.05
				256QAM	1	74	1	0	18.18
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39894	2520.4	QPSK	1	99	1	0	23.56
				16QAM	1	99	1	0	22.74
				64QAM	1	99	1	0	21.71
				256QAM	1	99	1	0	18.62
40571	2588.1	40715	2602.5	QPSK	1	99	1	0	23.56
				16QAM	1	99	1	0	22.44
				64QAM	1	99	1	0	21.66
				256QAM	1	99	1	0	18.52
41391	2670.1	41535	2684.5	QPSK	1	99	1	0	23.02
				16QAM	1	99	1	0	22.09
				64QAM	1	99	1	0	21.10
				256QAM	1	99	1	0	18.15
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39705	2501.5	39849	2515.9	QPSK	1	49	1	0	23.64
				16QAM	1	49	1	0	22.73
				64QAM	1	49	1	0	21.78
				256QAM	1	49	1	0	18.66
40526	2583.6	40670	2598	QPSK	1	49	1	0	23.64
				16QAM	1	49	1	0	22.44
				64QAM	1	49	1	0	21.78
				256QAM	1	49	1	0	18.50
41346	2665.6	41490	2680	QPSK	1	49	1	0	23.11
				16QAM	1	49	1	0	22.10
				64QAM	1	49	1	0	21.08
				256QAM	1	49	1	0	18.12



<b>Combination 15MHz+10MHz (75RB+50RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39725	2503.5	39845	2515.5	QPSK	1	74	1	0	23.58
				16QAM	1	74	1	0	22.67
				64QAM	1	74	1	0	21.76
				256QAM	1	74	1	0	18.68
40571	2588.1	40691	2600.1	QPSK	1	74	1	0	23.54
				16QAM	1	74	1	0	22.45
				64QAM	1	74	1	0	21.72
				256QAM	1	74	1	0	18.53
41417	2672.7	41537	2684.7	QPSK	1	74	1	0	23.04
				16QAM	1	74	1	0	22.00
				64QAM	1	74	1	0	21.11
				256QAM	1	74	1	0	18.21
<b>Combination 10MHz+15MHz (50RB+75RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39703	2501.3	39823	2513.3	QPSK	1	49	1	0	23.63
				16QAM	1	49	1	0	22.61
				64QAM	1	49	1	0	21.76
				256QAM	1	49	1	0	18.57
40549	2585.9	40669	2597.9	QPSK	1	49	1	0	23.59
				16QAM	1	49	1	0	22.51
				64QAM	1	49	1	0	21.71
				256QAM	1	49	1	0	18.44
41395	2670.5	41515	2682.5	QPSK	1	49	1	0	23.08
				16QAM	1	49	1	0	22.13
				64QAM	1	49	1	0	21.16
				256QAM	1	49	1	0	18.20
<b>Combination 20MHz+5MHz (100RB+25RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39867	2517.7	QPSK	1	99	1	0	23.66
				16QAM	1	99	1	0	22.69
				64QAM	1	99	1	0	21.65
				256QAM	1	99	1	0	18.60
40595	2590.5	40712	2602.2	QPSK	1	99	1	0	23.56
				16QAM	1	99	1	0	22.44
				64QAM	1	99	1	0	21.75
				256QAM	1	99	1	0	18.57
41440	2675	41557	2686.7	QPSK	1	99	1	0	23.01
				16QAM	1	99	1	0	22.06
				64QAM	1	99	1	0	21.12
				256QAM	1	99	1	0	18.17



<b>Combination 5MHz+20MHz (25RB+100RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39683	2499.3	39800	2511	QPSK	1	24	1	0	23.64
				16QAM	1	24	1	0	22.75
				64QAM	1	24	1	0	21.72
				256QAM	1	24	1	0	18.68
40528	2583.8	40645	2595.5	QPSK	1	24	1	0	23.52
				16QAM	1	24	1	0	22.50
				64QAM	1	24	1	0	21.70
				256QAM	1	24	1	0	18.54
41373	2668.3	41490	2680	QPSK	1	24	1	0	23.11
				16QAM	1	24	1	0	22.11
				64QAM	1	24	1	0	21.04
				256QAM	1	24	1	0	18.22



CA_41C Ant2									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39948	2525.8	QPSK	1	99	1	0	<b>24.64</b>
				16QAM	1	99	1	0	23.60
				64QAM	1	99	1	0	22.63
				256QAM	1	99	1	0	19.49
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	24.45
				16QAM	1	99	1	0	23.57
				64QAM	1	99	1	0	22.48
				256QAM	1	99	1	0	19.37
41292	2660.2	41490	2680	QPSK	1	99	1	0	24.36
				16QAM	1	99	1	0	23.35
				64QAM	1	99	1	0	22.24
				256QAM	1	99	1	0	19.16
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39921	2523.1	QPSK	1	99	1	0	24.51
				16QAM	1	99	1	0	23.45
				64QAM	1	99	1	0	22.54
				256QAM	1	99	1	0	19.46
40546	2585.6	40717	2602.7	QPSK	1	99	1	0	24.36
				16QAM	1	99	1	0	23.48
				64QAM	1	99	1	0	22.42
				256QAM	1	99	1	0	19.35
41341	2665.1	41512	2682.2	QPSK	1	99	1	0	24.30
				16QAM	1	99	1	0	23.23
				64QAM	1	99	1	0	22.23
				256QAM	1	99	1	0	19.06
Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39728	2503.8	39899	2520.9	QPSK	1	74	1	0	24.62
				16QAM	1	74	1	0	23.49
				64QAM	1	74	1	0	22.48
				256QAM	1	74	1	0	19.41
40523	2583.3	40694	2600.4	QPSK	1	74	1	0	24.30
				16QAM	1	74	1	0	23.43
				64QAM	1	74	1	0	22.44
				256QAM	1	74	1	0	19.31
41319	2662.9	41490	2680	QPSK	1	74	1	0	24.29
				16QAM	1	74	1	0	23.30
				64QAM	1	74	1	0	22.20
				256QAM	1	74	1	0	19.11



Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39725	2503.5	39875	2518.5	QPSK	1	74	1	0	24.63
				16QAM	1	74	1	0	23.58
				64QAM	1	74	1	0	22.50
				256QAM	1	74	1	0	19.42
40545	2585.5	40695	2600.5	QPSK	1	74	1	0	24.32
				16QAM	1	74	1	0	23.56
				64QAM	1	74	1	0	22.39
				256QAM	1	74	1	0	19.36
41365	2667.5	41515	2682.5	QPSK	1	74	1	0	24.31
				16QAM	1	74	1	0	23.29
				64QAM	1	74	1	0	22.17
				256QAM	1	74	1	0	19.13
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39894	2520.4	QPSK	1	99	1	0	24.54
				16QAM	1	99	1	0	23.52
				64QAM	1	99	1	0	22.56
				256QAM	1	99	1	0	19.43
40571	2588.1	40715	2602.5	QPSK	1	99	1	0	24.41
				16QAM	1	99	1	0	23.56
				64QAM	1	99	1	0	22.42
				256QAM	1	99	1	0	19.32
41391	2670.1	41535	2684.5	QPSK	1	99	1	0	24.26
				16QAM	1	99	1	0	23.22
				64QAM	1	99	1	0	22.12
				256QAM	1	99	1	0	19.02
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39705	2501.5	39849	2515.9	QPSK	1	49	1	0	24.50
				16QAM	1	49	1	0	23.54
				64QAM	1	49	1	0	22.49
				256QAM	1	49	1	0	19.35
40526	2583.6	40670	2598	QPSK	1	49	1	0	24.38
				16QAM	1	49	1	0	23.48
				64QAM	1	49	1	0	22.42
				256QAM	1	49	1	0	19.28
41346	2665.6	41490	2680	QPSK	1	49	1	0	24.29
				16QAM	1	49	1	0	23.26
				64QAM	1	49	1	0	22.14
				256QAM	1	49	1	0	19.03



Combination 15MHz+10MHz (75RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39725	2503.5	39845	2515.5	QPSK	1	74	1	0	24.62
				16QAM	1	74	1	0	23.47
				64QAM	1	74	1	0	22.48
				256QAM	1	74	1	0	19.39
40571	2588.1	40691	2600.1	QPSK	1	74	1	0	24.31
				16QAM	1	74	1	0	23.46
				64QAM	1	74	1	0	22.47
				256QAM	1	74	1	0	19.24
41417	2672.7	41537	2684.7	QPSK	1	74	1	0	24.33
				16QAM	1	74	1	0	23.30
				64QAM	1	74	1	0	22.23
				256QAM	1	74	1	0	19.01
Combination 10MHz+15MHz (50RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39703	2501.3	39823	2513.3	QPSK	1	49	1	0	24.54
				16QAM	1	49	1	0	23.48
				64QAM	1	49	1	0	22.53
				256QAM	1	49	1	0	19.38
40549	2585.9	40669	2597.9	QPSK	1	49	1	0	24.37
				16QAM	1	49	1	0	23.42
				64QAM	1	49	1	0	22.43
				256QAM	1	49	1	0	19.26
41395	2670.5	41515	2682.5	QPSK	1	49	1	0	24.30
				16QAM	1	49	1	0	23.28
				64QAM	1	49	1	0	22.09
				256QAM	1	49	1	0	19.06
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39867	2517.7	QPSK	1	99	1	0	24.51
				16QAM	1	99	1	0	23.53
				64QAM	1	99	1	0	22.49
				256QAM	1	99	1	0	19.44
40595	2590.5	40712	2602.2	QPSK	1	99	1	0	24.40
				16QAM	1	99	1	0	23.46
				64QAM	1	99	1	0	22.46
				256QAM	1	99	1	0	19.22
41440	2675	41557	2686.7	QPSK	1	99	1	0	24.35
				16QAM	1	99	1	0	23.22
				64QAM	1	99	1	0	22.15
				256QAM	1	99	1	0	19.03



<b>Combination 5MHz+20MHz (25RB+100RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39683	2499.3	39800	2511	QPSK	1	24	1	0	24.58
				16QAM	1	24	1	0	23.47
				64QAM	1	24	1	0	22.51
				256QAM	1	24	1	0	19.37
40528	2583.8	40645	2595.5	QPSK	1	24	1	0	24.32
				16QAM	1	24	1	0	23.42
				64QAM	1	24	1	0	22.41
				256QAM	1	24	1	0	19.33
41373	2668.3	41490	2680	QPSK	1	24	1	0	24.30
				16QAM	1	24	1	0	23.24
				64QAM	1	24	1	0	22.16
				256QAM	1	24	1	0	19.14



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Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39948	2525.8	QPSK	1	99	1	0	24.57
				16QAM	1	99	1	0	23.47
				64QAM	1	99	1	0	22.44
				256QAM	1	99	1	0	19.19
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	<b>24.58</b>
				16QAM	1	99	1	0	23.60
				64QAM	1	99	1	0	22.52
				256QAM	1	99	1	0	19.26
41292	2660.2	41490	2680	QPSK	1	99	1	0	23.96
				16QAM	1	99	1	0	22.91
				64QAM	1	99	1	0	22.21
				256QAM	1	99	1	0	18.91
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39921	2523.1	QPSK	1	99	1	0	24.23
				16QAM	1	99	1	0	23.16
				64QAM	1	99	1	0	22.19
				256QAM	1	99	1	0	18.94
40546	2585.6	40717	2602.7	QPSK	1	99	1	0	24.14
				16QAM	1	99	1	0	23.36
				64QAM	1	99	1	0	22.25
				256QAM	1	99	1	0	19.01
41341	2665.1	41512	2682.2	QPSK	1	99	1	0	23.63
				16QAM	1	99	1	0	22.66
				64QAM	1	99	1	0	21.86
				256QAM	1	99	1	0	18.59
Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39728	2503.8	39899	2520.9	QPSK	1	74	1	0	24.52
				16QAM	1	74	1	0	23.42
				64QAM	1	74	1	0	22.30
				256QAM	1	74	1	0	19.04
40523	2583.3	40694	2600.4	QPSK	1	74	1	0	24.36
				16QAM	1	74	1	0	23.59
				64QAM	1	74	1	0	22.50
				256QAM	1	74	1	0	19.12
41319	2662.9	41490	2680	QPSK	1	74	1	0	23.94
				16QAM	1	74	1	0	22.86
				64QAM	1	74	1	0	22.18
				256QAM	1	74	1	0	18.83



Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39725	2503.5	39875	2518.5	QPSK	1	74	1	0	24.55
				16QAM	1	74	1	0	23.39
				64QAM	1	74	1	0	22.32
				256QAM	1	74	1	0	19.14
40545	2585.5	40695	2600.5	QPSK	1	74	1	0	24.34
				16QAM	1	74	1	0	23.56
				64QAM	1	74	1	0	22.45
				256QAM	1	74	1	0	19.17
41365	2667.5	41515	2682.5	QPSK	1	74	1	0	23.82
				16QAM	1	74	1	0	22.88
				64QAM	1	74	1	0	22.06
				256QAM	1	74	1	0	18.81
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39894	2520.4	QPSK	1	99	1	0	24.45
				16QAM	1	99	1	0	23.46
				64QAM	1	99	1	0	22.30
				256QAM	1	99	1	0	19.11
40571	2588.1	40715	2602.5	QPSK	1	99	1	0	24.36
				16QAM	1	99	1	0	23.59
				64QAM	1	99	1	0	22.43
				256QAM	1	99	1	0	19.23
41391	2670.1	41535	2684.5	QPSK	1	99	1	0	23.92
				16QAM	1	99	1	0	22.82
				64QAM	1	99	1	0	22.06
				256QAM	1	99	1	0	18.88
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39705	2501.5	39849	2515.9	QPSK	1	49	1	0	24.34
				16QAM	1	49	1	0	23.32
				64QAM	1	49	1	0	22.22
				256QAM	1	49	1	0	19.10
40526	2583.6	40670	2598	QPSK	1	49	1	0	24.29
				16QAM	1	49	1	0	23.48
				64QAM	1	49	1	0	22.31
				256QAM	1	49	1	0	19.14
41346	2665.6	41490	2680	QPSK	1	49	1	0	23.78
				16QAM	1	49	1	0	22.79
				64QAM	1	49	1	0	22.00
				256QAM	1	49	1	0	18.87



Combination 15MHz+10MHz (75RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39725	2503.5	39845	2515.5	QPSK	1	74	1	0	24.30
				16QAM	1	74	1	0	23.39
				64QAM	1	74	1	0	22.15
				256QAM	1	74	1	0	19.05
40571	2588.1	40691	2600.1	QPSK	1	74	1	0	24.30
				16QAM	1	74	1	0	23.46
				64QAM	1	74	1	0	22.36
				256QAM	1	74	1	0	19.21
41417	2672.7	41537	2684.7	QPSK	1	74	1	0	23.82
				16QAM	1	74	1	0	22.71
				64QAM	1	74	1	0	21.99
				256QAM	1	74	1	0	18.74
Combination 10MHz+15MHz (50RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39703	2501.3	39823	2513.3	QPSK	1	49	1	0	24.43
				16QAM	1	49	1	0	23.40
				64QAM	1	49	1	0	22.29
				256QAM	1	49	1	0	18.96
40549	2585.9	40669	2597.9	QPSK	1	49	1	0	24.31
				16QAM	1	49	1	0	23.52
				64QAM	1	49	1	0	22.37
				256QAM	1	49	1	0	19.08
41395	2670.5	41515	2682.5	QPSK	1	49	1	0	23.77
				16QAM	1	49	1	0	22.80
				64QAM	1	49	1	0	22.01
				256QAM	1	49	1	0	18.81
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39867	2517.7	QPSK	1	99	1	0	24.32
				16QAM	1	99	1	0	23.35
				64QAM	1	99	1	0	22.25
				256QAM	1	99	1	0	19.08
40595	2590.5	40712	2602.2	QPSK	1	99	1	0	24.33
				16QAM	1	99	1	0	23.50
				64QAM	1	99	1	0	22.41
				256QAM	1	99	1	0	19.12
41440	2675	41557	2686.7	QPSK	1	99	1	0	23.88
				16QAM	1	99	1	0	22.80
				64QAM	1	99	1	0	22.02
				256QAM	1	99	1	0	18.77



<b>Combination 5MHz+20MHz (25RB+100RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39683	2499.3	39800	2511	QPSK	1	24	1	0	24.44
				16QAM	1	24	1	0	23.42
				64QAM	1	24	1	0	22.29
				256QAM	1	24	1	0	19.10
40528	2583.8	40645	2595.5	QPSK	1	24	1	0	24.25
				16QAM	1	24	1	0	23.52
				64QAM	1	24	1	0	22.40
				256QAM	1	24	1	0	19.14
41373	2668.3	41490	2680	QPSK	1	24	1	0	23.81
				16QAM	1	24	1	0	22.70
				64QAM	1	24	1	0	21.96
				256QAM	1	24	1	0	18.78



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Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39948	2525.8	QPSK	1	99	1	0	24.58
				16QAM	1	99	1	0	23.61
				64QAM	1	99	1	0	22.73
				256QAM	1	99	1	0	19.40
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	<b>24.61</b>
				16QAM	1	99	1	0	23.57
				64QAM	1	99	1	0	22.70
				256QAM	1	99	1	0	19.45
41292	2660.2	41490	2680	QPSK	1	99	1	0	24.26
				16QAM	1	99	1	0	23.36
				64QAM	1	99	1	0	22.59
				256QAM	1	99	1	0	19.32
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39921	2523.1	QPSK	1	99	1	0	24.42
				16QAM	1	99	1	0	23.46
				64QAM	1	99	1	0	22.69
				256QAM	1	99	1	0	19.25
40546	2585.6	40717	2602.7	QPSK	1	99	1	0	24.34
				16QAM	1	99	1	0	23.48
				64QAM	1	99	1	0	22.67
				256QAM	1	99	1	0	19.31
41341	2665.1	41512	2682.2	QPSK	1	99	1	0	24.14
				16QAM	1	99	1	0	23.33
				64QAM	1	99	1	0	22.49
				256QAM	1	99	1	0	19.31
Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39728	2503.8	39899	2520.9	QPSK	1	74	1	0	24.44
				16QAM	1	74	1	0	23.57
				64QAM	1	74	1	0	22.58
				256QAM	1	74	1	0	19.29
40523	2583.3	40694	2600.4	QPSK	1	74	1	0	24.38
				16QAM	1	74	1	0	23.45
				64QAM	1	74	1	0	22.57
				256QAM	1	74	1	0	19.36
41319	2662.9	41490	2680	QPSK	1	74	1	0	24.22
				16QAM	1	74	1	0	23.29
				64QAM	1	74	1	0	22.49
				256QAM	1	74	1	0	19.26



Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39725	2503.5	39875	2518.5	QPSK	1	74	1	0	24.46
				16QAM	1	74	1	0	23.54
				64QAM	1	74	1	0	22.60
				256QAM	1	74	1	0	19.30
40545	2585.5	40695	2600.5	QPSK	1	74	1	0	24.33
				16QAM	1	74	1	0	23.48
				64QAM	1	74	1	0	22.64
				256QAM	1	74	1	0	19.38
41365	2667.5	41515	2682.5	QPSK	1	74	1	0	24.21
				16QAM	1	74	1	0	23.31
				64QAM	1	74	1	0	22.50
				256QAM	1	74	1	0	19.18
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39894	2520.4	QPSK	1	99	1	0	24.55
				16QAM	1	99	1	0	23.54
				64QAM	1	99	1	0	22.62
				256QAM	1	99	1	0	19.26
40571	2588.1	40715	2602.5	QPSK	1	99	1	0	24.43
				16QAM	1	99	1	0	23.52
				64QAM	1	99	1	0	22.68
				256QAM	1	99	1	0	19.34
41391	2670.1	41535	2684.5	QPSK	1	99	1	0	24.22
				16QAM	1	99	1	0	23.26
				64QAM	1	99	1	0	22.52
				256QAM	1	99	1	0	19.27
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39705	2501.5	39849	2515.9	QPSK	1	49	1	0	24.50
				16QAM	1	49	1	0	23.47
				64QAM	1	49	1	0	22.72
				256QAM	1	49	1	0	19.26
40526	2583.6	40670	2598	QPSK	1	49	1	0	24.39
				16QAM	1	49	1	0	23.54
				64QAM	1	49	1	0	22.69
				256QAM	1	49	1	0	19.44
41346	2665.6	41490	2680	QPSK	1	49	1	0	24.23
				16QAM	1	49	1	0	23.24
				64QAM	1	49	1	0	22.55
				256QAM	1	49	1	0	19.18



Combination 15MHz+10MHz (75RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39725	2503.5	39845	2515.5	QPSK	1	74	1	0	24.43
				16QAM	1	74	1	0	23.57
				64QAM	1	74	1	0	22.67
				256QAM	1	74	1	0	19.33
40571	2588.1	40691	2600.1	QPSK	1	74	1	0	24.33
				16QAM	1	74	1	0	23.40
				64QAM	1	74	1	0	22.63
				256QAM	1	74	1	0	19.30
41417	2672.7	41537	2684.7	QPSK	1	74	1	0	24.13
				16QAM	1	74	1	0	23.27
				64QAM	1	74	1	0	22.58
				256QAM	1	74	1	0	19.19
Combination 10MHz+15MHz (50RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39703	2501.3	39823	2513.3	QPSK	1	49	1	0	24.54
				16QAM	1	49	1	0	23.46
				64QAM	1	49	1	0	22.64
				256QAM	1	49	1	0	19.26
40549	2585.9	40669	2597.9	QPSK	1	49	1	0	24.39
				16QAM	1	49	1	0	23.48
				64QAM	1	49	1	0	22.63
				256QAM	1	49	1	0	19.37
41395	2670.5	41515	2682.5	QPSK	1	49	1	0	24.12
				16QAM	1	49	1	0	23.33
				64QAM	1	49	1	0	22.47
				256QAM	1	49	1	0	19.24
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39867	2517.7	QPSK	1	99	1	0	24.45
				16QAM	1	99	1	0	23.50
				64QAM	1	99	1	0	22.58
				256QAM	1	99	1	0	19.32
40595	2590.5	40712	2602.2	QPSK	1	99	1	0	24.37
				16QAM	1	99	1	0	23.46
				64QAM	1	99	1	0	22.67
				256QAM	1	99	1	0	19.32
41440	2675	41557	2686.7	QPSK	1	99	1	0	24.25
				16QAM	1	99	1	0	23.35
				64QAM	1	99	1	0	22.53
				256QAM	1	99	1	0	19.27



<b>Combination 5MHz+20MHz (25RB+100RB)</b>									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
39683	2499.3	39800	2511	QPSK	1	24	1	0	24.49
				16QAM	1	24	1	0	23.48
				64QAM	1	24	1	0	22.63
				256QAM	1	24	1	0	19.29
40528	2583.8	40645	2595.5	QPSK	1	24	1	0	24.37
				16QAM	1	24	1	0	23.42
				64QAM	1	24	1	0	22.55
				256QAM	1	24	1	0	19.37
41373	2668.3	41490	2680	QPSK	1	24	1	0	24.18
				16QAM	1	24	1	0	23.30
				64QAM	1	24	1	0	22.54
				256QAM	1	24	1	0	19.19



**EIRP/ERP**  
CA\_7C\_Ant0

CA_7C_Ant0													
Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	21048	2529.8	QPSK	1	99	1	0	23.84	-3.04	20.80	120.23	2
				16QAM	1	99	1	0	23.26	-3.04	20.22	105.20	2
				64QAM	1	99	1	0	22.14	-3.04	19.10	81.28	2
				256QAM	1	99	1	0	18.76	-3.04	15.72	37.33	2
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	22.52	-3.04	19.48	88.72	2
				16QAM	1	99	1	0	21.93	-3.04	18.89	77.45	2
				64QAM	1	99	1	0	22.14	-3.04	19.10	81.28	2
				256QAM	1	99	1	0	18.82	-3.04	15.78	37.84	2
21152	2540.2	21350	2560	QPSK	1	99	1	0	23.81	-3.04	20.77	119.40	2
				16QAM	1	99	1	0	23.21	-3.04	20.17	103.99	2
				64QAM	1	99	1	0	22.10	-3.04	19.06	80.54	2
				256QAM	1	99	1	0	18.87	-3.04	15.83	38.28	2
Combination 20MHz+15MHz (100RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	21021	2527.1	QPSK	1	99	1	0	23.71	-3.04	20.67	116.68	2
				16QAM	1	99	1	0	23.22	-3.04	20.18	104.23	2
				64QAM	1	99	1	0	22.07	-3.04	19.03	79.98	2
				256QAM	1	99	1	0	18.75	-3.04	15.71	37.24	2
21026	2527.6	21197	2544.7	QPSK	1	99	1	0	22.40	-3.04	19.36	86.30	2
				16QAM	1	99	1	0	21.78	-3.04	18.74	74.82	2
				64QAM	1	99	1	0	22.07	-3.04	19.03	79.98	2
				256QAM	1	99	1	0	18.76	-3.04	15.72	37.33	2
21201	2545.1	21372	2562.2	QPSK	1	99	1	0	23.69	-3.04	20.65	116.14	2
				16QAM	1	99	1	0	23.06	-3.04	20.02	100.46	2
				64QAM	1	99	1	0	22.07	-3.04	19.03	79.98	2
				256QAM	1	99	1	0	18.81	-3.04	15.77	37.76	2
Combination 15MHz+20MHz (75RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20828	2507.8	20999	2524.9	QPSK	1	74	1	0	23.74	-3.04	20.70	117.49	2
				16QAM	1	74	1	0	23.15	-3.04	20.11	102.57	2
				64QAM	1	74	1	0	22.09	-3.04	19.05	80.35	2
				256QAM	1	74	1	0	18.63	-3.04	15.59	36.22	2
21003	2525.3	21174	2542.4	QPSK	1	74	1	0	22.37	-3.04	19.33	85.70	2
				16QAM	1	74	1	0	21.80	-3.04	18.76	75.16	2
				64QAM	1	74	1	0	22.00	-3.04	18.96	78.70	2
				256QAM	1	74	1	0	18.77	-3.04	15.73	37.41	2
21179	2542.9	21350	2560	QPSK	1	74	1	0	23.67	-3.04	20.63	115.61	2
				16QAM	1	74	1	0	23.10	-3.04	20.06	101.39	2
				64QAM	1	74	1	0	22.07	-3.04	19.03	79.98	2
				256QAM	1	74	1	0	18.74	-3.04	15.70	37.15	2
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	20994	2524.4	QPSK	1	99	1	0	23.72	-3.04	20.68	116.95	2
				16QAM	1	99	1	0	23.11	-3.04	20.07	101.62	2
				64QAM	1	99	1	0	22.07	-3.04	19.03	79.98	2
				256QAM	1	99	1	0	18.71	-3.04	15.67	36.90	2
21051	2530.1	21195	2544.5	QPSK	1	99	1	0	22.47	-3.04	19.43	87.70	2
				16QAM	1	99	1	0	21.91	-3.04	18.87	77.09	2
				64QAM	1	99	1	0	22.00	-3.04	18.96	78.70	2
				256QAM	1	99	1	0	18.77	-3.04	15.73	37.41	2
21251	2550.1	21395	2564.5	QPSK	1	99	1	0	23.78	-3.04	20.74	118.58	2
				16QAM	1	99	1	0	23.14	-3.04	20.10	102.33	2
				64QAM	1	99	1	0	21.99	-3.04	18.95	78.52	2
				256QAM	1	99	1	0	18.79	-3.04	15.75	37.58	2



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Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20805	2505.5	20949	2519.9	QPSK	1	49	1	0	23.83	-3.04	20.79	119.95	2
				16QAM	1	49	1	0	23.18	-3.04	20.14	103.28	2
				64QAM	1	49	1	0	22.04	-3.04	19.00	79.43	2
				256QAM	1	49	1	0	18.75	-3.04	15.71	37.24	2
21006	2525.6	21150	2540	QPSK	1	49	1	0	22.51	-3.04	19.47	88.51	2
				16QAM	1	49	1	0	21.85	-3.04	18.81	76.03	2
				64QAM	1	49	1	0	22.05	-3.04	19.01	79.62	2
				256QAM	1	49	1	0	18.70	-3.04	15.66	36.81	2
21206	21206	21350	21220.4	QPSK	1	49	1	0	23.68	-3.04	20.64	115.88	2
				16QAM	1	49	1	0	23.09	-3.04	20.05	101.16	2
				64QAM	1	49	1	0	22.02	-3.04	18.98	79.07	2
				256QAM	1	49	1	0	18.82	-3.04	15.78	37.84	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20825	2507.5	20975	2522.5	QPSK	1	74	1	0	23.75	-3.04	20.71	117.76	2
				16QAM	1	74	1	0	23.12	-3.04	20.08	101.86	2
				64QAM	1	74	1	0	22.04	-3.04	19.00	79.43	2
				256QAM	1	74	1	0	18.71	-3.04	15.67	36.90	2
21025	2527.5	21175	2542.5	QPSK	1	74	1	0	22.44	-3.04	19.40	87.10	2
				16QAM	1	74	1	0	21.78	-3.04	18.74	74.82	2
				64QAM	1	74	1	0	22.13	-3.04	19.09	81.10	2
				256QAM	1	74	1	0	18.81	-3.04	15.77	37.76	2
21225	2547.5	21375	2562.5	QPSK	1	74	1	0	23.75	-3.04	20.71	117.76	2
				16QAM	1	74	1	0	23.16	-3.04	20.12	102.80	2
				64QAM	1	74	1	0	22.09	-3.04	19.05	80.35	2
				256QAM	1	74	1	0	18.80	-3.04	15.76	37.67	2
Combination 15MHz+10MHz (75RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20825	2507.5	20945	2519.5	QPSK	1	74	1	0	23.69	-3.04	20.65	116.14	2
				16QAM	1	74	1	0	23.19	-3.04	20.15	103.51	2
				64QAM	1	74	1	0	22.07	-3.04	19.03	79.98	2
				256QAM	1	74	1	0	18.71	-3.04	15.67	36.90	2
21051	2530.1	21171	2542.1	QPSK	1	74	1	0	22.48	-3.04	19.44	87.90	2
				16QAM	1	74	1	0	21.87	-3.04	18.83	76.38	2
				64QAM	1	74	1	0	22.02	-3.04	18.98	79.07	2
				256QAM	1	74	1	0	18.67	-3.04	15.63	36.56	2
21277	2552.7	21397	2564.7	QPSK	1	74	1	0	23.78	-3.04	20.74	118.58	2
				16QAM	1	74	1	0	23.20	-3.04	20.16	103.75	2
				64QAM	1	74	1	0	21.95	-3.04	18.91	77.80	2
				256QAM	1	74	1	0	18.83	-3.04	15.79	37.93	2



CA\_7C\_Ant2

CA_7C_Ant2													
Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	21048	2529.8	QPSK	1	99	1	0	24.52	-1.55	22.97	198.15	2
				16QAM	1	99	1	0	23.19	-1.55	21.64	145.88	2
				64QAM	1	99	1	0	22.13	-1.55	20.58	114.29	2
				256QAM	1	99	1	0	19.32	-1.55	17.77	59.84	2
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	24.30	-1.55	22.75	188.36	2
				16QAM	1	99	1	0	23.21	-1.55	21.66	146.55	2
				64QAM	1	99	1	0	22.52	-1.55	20.97	125.03	2
				256QAM	1	99	1	0	19.27	-1.55	17.72	59.16	2
21152	2540.2	21350	2560	QPSK	1	99	1	0	24.47	-1.55	22.92	195.88	2
				16QAM	1	99	1	0	23.15	-1.55	21.60	144.54	2
				64QAM	1	99	1	0	22.53	-1.55	20.98	125.31	2
				256QAM	1	99	1	0	19.18	-1.55	17.63	57.94	2
Combination 20MHz+15MHz (100RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	21021	2527.1	QPSK	1	99	1	0	24.37	-1.55	22.82	191.43	2
				16QAM	1	99	1	0	23.06	-1.55	21.51	141.58	2
				64QAM	1	99	1	0	21.99	-1.55	20.44	110.66	2
				256QAM	1	99	1	0	19.25	-1.55	17.70	58.88	2
21026	2527.6	21197	2544.7	QPSK	1	99	1	0	24.21	-1.55	22.66	184.50	2
				16QAM	1	99	1	0	23.10	-1.55	21.55	142.89	2
				64QAM	1	99	1	0	22.44	-1.55	20.89	122.74	2
				256QAM	1	99	1	0	19.19	-1.55	17.64	58.08	2
21201	2545.1	21372	2562.2	QPSK	1	99	1	0	24.36	-1.55	22.81	190.99	2
				16QAM	1	99	1	0	23.07	-1.55	21.52	141.91	2
				64QAM	1	99	1	0	22.42	-1.55	20.87	122.18	2
				256QAM	1	99	1	0	19.03	-1.55	17.48	55.98	2
Combination 15MHz+20MHz (75RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20828	2507.8	20999	2524.9	QPSK	1	74	1	0	24.40	-1.55	22.85	192.75	2
				16QAM	1	74	1	0	23.13	-1.55	21.58	143.88	2
				64QAM	1	74	1	0	22.05	-1.55	20.50	112.20	2
				256QAM	1	74	1	0	19.23	-1.55	17.68	58.61	2
21003	2525.3	21174	2542.4	QPSK	1	74	1	0	24.20	-1.55	22.65	184.08	2
				16QAM	1	74	1	0	23.17	-1.55	21.62	145.21	2
				64QAM	1	74	1	0	22.47	-1.55	20.92	123.59	2
				256QAM	1	74	1	0	19.14	-1.55	17.59	57.41	2
21179	2542.9	21350	2560	QPSK	1	74	1	0	24.37	-1.55	22.82	191.43	2
				16QAM	1	74	1	0	23.03	-1.55	21.48	140.60	2
				64QAM	1	74	1	0	22.38	-1.55	20.83	121.06	2
				256QAM	1	74	1	0	19.07	-1.55	17.52	56.49	2
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	20994	2524.4	QPSK	1	99	1	0	24.51	-1.55	22.96	197.70	2
				16QAM	1	99	1	0	23.05	-1.55	21.50	141.25	2
				64QAM	1	99	1	0	22.04	-1.55	20.49	111.94	2
				256QAM	1	99	1	0	19.18	-1.55	17.63	57.94	2
21051	2530.1	21195	2544.5	QPSK	1	99	1	0	24.21	-1.55	22.66	184.50	2
				16QAM	1	99	1	0	23.20	-1.55	21.65	146.22	2
				64QAM	1	99	1	0	22.44	-1.55	20.89	122.74	2
				256QAM	1	99	1	0	19.14	-1.55	17.59	57.41	2
21251	2550.1	21395	2564.5	QPSK	1	99	1	0	24.35	-1.55	22.80	190.55	2
				16QAM	1	99	1	0	23.04	-1.55	21.49	140.93	2
				64QAM	1	99	1	0	22.45	-1.55	20.90	123.03	2
				256QAM	1	99	1	0	19.13	-1.55	17.58	57.28	2



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Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20805	2505.5	20949	2519.9	QPSK	1	49	1	0	24.39	-1.55	22.84	192.31	2
				16QAM	1	49	1	0	23.17	-1.55	21.62	145.21	2
				64QAM	1	49	1	0	22.01	-1.55	20.46	111.17	2
				256QAM	1	49	1	0	19.23	-1.55	17.68	58.61	2
21006	2525.6	21150	2540	QPSK	1	49	1	0	24.29	-1.55	22.74	187.93	2
				16QAM	1	49	1	0	23.06	-1.55	21.51	141.58	2
				64QAM	1	49	1	0	22.43	-1.55	20.88	122.46	2
				256QAM	1	49	1	0	19.22	-1.55	17.67	58.48	2
21206	21206	21350	21220.4	QPSK	1	49	1	0	24.32	-1.55	22.77	189.23	2
				16QAM	1	49	1	0	23.11	-1.55	21.56	143.22	2
				64QAM	1	49	1	0	22.40	-1.55	20.85	121.62	2
				256QAM	1	49	1	0	19.03	-1.55	17.48	55.98	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20825	2507.5	20975	2522.5	QPSK	1	74	1	0	24.44	-1.55	22.89	194.54	2
				16QAM	1	74	1	0	23.07	-1.55	21.52	141.91	2
				64QAM	1	74	1	0	22.05	-1.55	20.50	112.20	2
				256QAM	1	74	1	0	19.19	-1.55	17.64	58.08	2
21025	2527.5	21175	2542.5	QPSK	1	74	1	0	24.24	-1.55	22.69	185.78	2
				16QAM	1	74	1	0	23.11	-1.55	21.56	143.22	2
				64QAM	1	74	1	0	22.39	-1.55	20.84	121.34	2
				256QAM	1	74	1	0	19.15	-1.55	17.60	57.54	2
21225	2547.5	21375	2562.5	QPSK	1	74	1	0	24.34	-1.55	22.79	190.11	2
				16QAM	1	74	1	0	23.13	-1.55	21.58	143.88	2
				64QAM	1	74	1	0	22.49	-1.55	20.94	124.17	2
				256QAM	1	74	1	0	19.15	-1.55	17.60	57.54	2
Combination 15MHz+10MHz (75RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20825	2507.5	20945	2519.5	QPSK	1	74	1	0	24.47	-1.55	22.92	195.88	2
				16QAM	1	74	1	0	23.04	-1.55	21.49	140.93	2
				64QAM	1	74	1	0	22.08	-1.55	20.53	112.98	2
				256QAM	1	74	1	0	19.23	-1.55	17.68	58.61	2
21051	2530.1	21171	2542.1	QPSK	1	74	1	0	24.18	-1.55	22.63	183.23	2
				16QAM	1	74	1	0	23.08	-1.55	21.53	142.23	2
				64QAM	1	74	1	0	22.37	-1.55	20.82	120.78	2
				256QAM	1	74	1	0	19.15	-1.55	17.60	57.54	2
21277	2552.7	21397	2564.7	QPSK	1	74	1	0	24.33	-1.55	22.78	189.67	2
				16QAM	1	74	1	0	23.14	-1.55	21.59	144.21	2
				64QAM	1	74	1	0	22.50	-1.55	20.95	124.45	2
				256QAM	1	74	1	0	19.11	-1.55	17.56	57.02	2

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CA\_7C\_Ant3

CA_7C_Ant3													
Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	21048	2529.8	QPSK	1	99	1	0	24.07	-3.15	20.92	123.59	2
				16QAM	1	99	1	0	23.53	-3.15	20.38	109.14	2
				64QAM	1	99	1	0	22.43	-3.15	19.28	84.72	2
				256QAM	1	99	1	0	19.45	-3.15	16.30	42.66	2
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	24.09	-3.15	20.94	124.17	2
				16QAM	1	99	1	0	23.43	-3.15	20.28	106.66	2
				64QAM	1	99	1	0	22.38	-3.15	19.23	83.75	2
				256QAM	1	99	1	0	19.39	-3.15	16.24	42.07	2
21152	2540.2	21350	2560	QPSK	1	99	1	0	24.11	-3.15	20.96	124.74	2
				16QAM	1	99	1	0	23.62	-3.15	20.47	111.43	2
				64QAM	1	99	1	0	22.19	-3.15	19.04	80.17	2
				256QAM	1	99	1	0	19.35	-3.15	16.20	41.69	2
Combination 20MHz+15MHz (100RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	21021	2527.1	QPSK	1	99	1	0	23.94	-3.15	20.79	119.95	2
				16QAM	1	99	1	0	23.40	-3.15	20.25	105.93	2
				64QAM	1	99	1	0	22.31	-3.15	19.16	82.41	2
				256QAM	1	99	1	0	19.31	-3.15	16.16	41.30	2
21026	2527.6	21197	2544.7	QPSK	1	99	1	0	23.94	-3.15	20.79	119.95	2
				16QAM	1	99	1	0	23.32	-3.15	20.17	103.99	2
				64QAM	1	99	1	0	22.31	-3.15	19.16	82.41	2
				256QAM	1	99	1	0	19.31	-3.15	16.16	41.30	2
21201	2545.1	21372	2562.2	QPSK	1	99	1	0	24.00	-3.15	20.85	121.62	2
				16QAM	1	99	1	0	23.49	-3.15	20.34	108.14	2
				64QAM	1	99	1	0	22.17	-3.15	19.02	79.80	2
				256QAM	1	99	1	0	19.31	-3.15	16.16	41.30	2
Combination 15MHz+20MHz (75RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20828	2507.8	20999	2524.9	QPSK	1	74	1	0	23.92	-3.15	20.77	119.40	2
				16QAM	1	74	1	0	23.39	-3.15	20.24	105.68	2
				64QAM	1	74	1	0	22.35	-3.15	19.20	83.18	2
				256QAM	1	74	1	0	19.35	-3.15	16.20	41.69	2
21003	2525.3	21174	2542.4	QPSK	1	74	1	0	24.03	-3.15	20.88	122.46	2
				16QAM	1	74	1	0	23.35	-3.15	20.20	104.71	2
				64QAM	1	74	1	0	22.25	-3.15	19.10	81.28	2
				256QAM	1	74	1	0	19.27	-3.15	16.12	40.93	2
21179	2542.9	21350	2560	QPSK	1	74	1	0	24.05	-3.15	20.90	123.03	2
				16QAM	1	74	1	0	23.56	-3.15	20.41	109.90	2
				64QAM	1	74	1	0	22.11	-3.15	18.96	78.70	2
				256QAM	1	74	1	0	19.22	-3.15	16.07	40.46	2
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	20994	2524.4	QPSK	1	99	1	0	23.97	-3.15	20.82	120.78	2
				16QAM	1	99	1	0	23.40	-3.15	20.25	105.93	2
				64QAM	1	99	1	0	22.41	-3.15	19.26	84.33	2
				256QAM	1	99	1	0	19.33	-3.15	16.18	41.50	2
21051	2530.1	21195	2544.5	QPSK	1	99	1	0	24.00	-3.15	20.85	121.62	2
				16QAM	1	99	1	0	23.37	-3.15	20.22	105.20	2
				64QAM	1	99	1	0	22.31	-3.15	19.16	82.41	2
				256QAM	1	99	1	0	19.35	-3.15	16.20	41.69	2
21251	2550.1	21395	2564.5	QPSK	1	99	1	0	23.96	-3.15	20.81	120.50	2
				16QAM	1	99	1	0	23.48	-3.15	20.33	107.89	2
				64QAM	1	99	1	0	22.14	-3.15	18.99	79.25	2
				256QAM	1	99	1	0	19.20	-3.15	16.05	40.27	2



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Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20805	2505.5	20949	2519.9	QPSK	1	49	1	0	23.95	-3.15	20.80	120.23	2
				16QAM	1	49	1	0	23.38	-3.15	20.23	105.44	2
				64QAM	1	49	1	0	22.39	-3.15	19.24	83.95	2
				256QAM	1	49	1	0	19.44	-3.15	16.29	42.56	2
21006	2525.6	21150	2540	QPSK	1	49	1	0	23.95	-3.15	20.80	120.23	2
				16QAM	1	49	1	0	23.37	-3.15	20.22	105.20	2
				64QAM	1	49	1	0	22.27	-3.15	19.12	81.66	2
				256QAM	1	49	1	0	19.27	-3.15	16.12	40.93	2
21206	21206	21350	21220.4	QPSK	1	49	1	0	24.03	-3.15	20.88	122.46	2
				16QAM	1	49	1	0	23.60	-3.15	20.45	110.92	2
				64QAM	1	49	1	0	22.15	-3.15	19.00	79.43	2
				256QAM	1	49	1	0	19.32	-3.15	16.17	41.40	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20825	2507.5	20975	2522.5	QPSK	1	74	1	0	24.01	-3.15	20.86	121.90	2
				16QAM	1	74	1	0	23.43	-3.15	20.28	106.66	2
				64QAM	1	74	1	0	22.35	-3.15	19.20	83.18	2
				256QAM	1	74	1	0	19.39	-3.15	16.24	42.07	2
21025	2527.5	21175	2542.5	QPSK	1	74	1	0	24.00	-3.15	20.85	121.62	2
				16QAM	1	74	1	0	23.29	-3.15	20.14	103.28	2
				64QAM	1	74	1	0	22.26	-3.15	19.11	81.47	2
				256QAM	1	74	1	0	19.34	-3.15	16.19	41.59	2
21225	2547.5	21375	2562.5	QPSK	1	74	1	0	23.97	-3.15	20.82	120.78	2
				16QAM	1	74	1	0	23.48	-3.15	20.33	107.89	2
				64QAM	1	74	1	0	22.15	-3.15	19.00	79.43	2
				256QAM	1	74	1	0	19.29	-3.15	16.14	41.11	2
Combination 15MHz+10MHz (75RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20825	2507.5	20945	2519.5	QPSK	1	74	1	0	24.05	-3.15	20.90	123.03	2
				16QAM	1	74	1	0	23.38	-3.15	20.23	105.44	2
				64QAM	1	74	1	0	22.33	-3.15	19.18	82.79	2
				256QAM	1	74	1	0	19.34	-3.15	16.19	41.59	2
21051	2530.1	21171	2542.1	QPSK	1	74	1	0	23.98	-3.15	20.83	121.06	2
				16QAM	1	74	1	0	23.40	-3.15	20.25	105.93	2
				64QAM	1	74	1	0	22.37	-3.15	19.22	83.56	2
				256QAM	1	74	1	0	19.24	-3.15	16.09	40.64	2
21277	2552.7	21397	2564.7	QPSK	1	74	1	0	24.01	-3.15	20.86	121.90	2
				16QAM	1	74	1	0	23.61	-3.15	20.46	111.17	2
				64QAM	1	74	1	0	22.09	-3.15	18.94	78.34	2
				256QAM	1	74	1	0	19.30	-3.15	16.15	41.21	2



Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	21048	2529.8	QPSK	1	99	1	0	23.89	-0.07	23.82	240.99	2
				16QAM	1	99	1	0	23.57	-0.07	23.50	223.87	2
				64QAM	1	99	1	0	22.51	-0.07	22.44	175.39	2
				256QAM	1	99	1	0	19.68	-0.07	19.61	91.41	2
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	23.65	-0.07	23.58	228.03	2
				16QAM	1	99	1	0	22.86	-0.07	22.79	190.11	2
				64QAM	1	99	1	0	21.93	-0.07	21.86	153.46	2
				256QAM	1	99	1	0	18.96	-0.07	18.89	77.45	2
21152	2540.2	21350	2560	QPSK	1	99	1	0	23.74	-0.07	23.67	232.81	2
				16QAM	1	99	1	0	23.08	-0.07	23.01	199.99	2
				64QAM	1	99	1	0	22.11	-0.07	22.04	159.96	2
				256QAM	1	99	1	0	19.31	-0.07	19.24	83.95	2
Combination 20MHz+15MHz (100RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	21021	2527.1	QPSK	1	99	1	0	23.86	-0.07	23.79	239.33	2
				16QAM	1	99	1	0	23.49	-0.07	23.42	219.79	2
				64QAM	1	99	1	0	22.45	-0.07	22.38	172.98	2
				256QAM	1	99	1	0	19.62	-0.07	19.55	90.16	2
21026	2527.6	21197	2544.7	QPSK	1	99	1	0	23.64	-0.07	23.57	227.51	2
				16QAM	1	99	1	0	22.81	-0.07	22.74	187.93	2
				64QAM	1	99	1	0	21.78	-0.07	21.71	148.25	2
				256QAM	1	99	1	0	18.95	-0.07	18.88	77.27	2
21201	2545.1	21372	2562.2	QPSK	1	99	1	0	23.69	-0.07	23.62	230.14	2
				16QAM	1	99	1	0	23.04	-0.07	22.97	198.15	2
				64QAM	1	99	1	0	22.06	-0.07	21.99	158.12	2
				256QAM	1	99	1	0	19.30	-0.07	19.23	83.75	2
Combination 15MHz+20MHz (75RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20828	2507.8	20999	2524.9	QPSK	1	74	1	0	23.82	-0.07	23.75	237.14	2
				16QAM	1	74	1	0	23.44	-0.07	23.37	217.27	2
				64QAM	1	74	1	0	22.39	-0.07	22.32	170.61	2
				256QAM	1	74	1	0	19.54	-0.07	19.47	88.51	2
21003	2525.3	21174	2542.4	QPSK	1	74	1	0	23.57	-0.07	23.50	223.87	2
				16QAM	1	74	1	0	22.78	-0.07	22.71	186.64	2
				64QAM	1	74	1	0	21.78	-0.07	21.71	148.25	2
				256QAM	1	74	1	0	18.87	-0.07	18.80	75.86	2
21179	2542.9	21350	2560	QPSK	1	74	1	0	23.66	-0.07	23.59	228.56	2
				16QAM	1	74	1	0	23.06	-0.07	22.99	199.07	2
				64QAM	1	74	1	0	22.07	-0.07	22.00	158.49	2
				256QAM	1	74	1	0	19.23	-0.07	19.16	82.41	2
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20850	2510	20994	2524.4	QPSK	1	99	1	0	23.79	-0.07	23.72	235.50	2
				16QAM	1	99	1	0	23.53	-0.07	23.46	221.82	2
				64QAM	1	99	1	0	22.37	-0.07	22.30	169.82	2
				256QAM	1	99	1	0	19.62	-0.07	19.55	90.16	2
21051	2530.1	21195	2544.5	QPSK	1	99	1	0	23.64	-0.07	23.57	227.51	2
				16QAM	1	99	1	0	22.76	-0.07	22.69	185.78	2
				64QAM	1	99	1	0	21.84	-0.07	21.77	150.31	2
				256QAM	1	99	1	0	18.82	-0.07	18.75	74.99	2
21251	2550.1	21395	2564.5	QPSK	1	99	1	0	23.73	-0.07	23.66	232.27	2
				16QAM	1	99	1	0	22.97	-0.07	22.90	194.98	2
				64QAM	1	99	1	0	22.05	-0.07	21.98	157.76	2
				256QAM	1	99	1	0	19.17	-0.07	19.10	81.28	2



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Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20805	2505.5	20949	2519.9	QPSK	1	49	1	0	23.76	-0.07	23.69	233.88	2
				16QAM	1	49	1	0	23.56	-0.07	23.49	223.36	2
				64QAM	1	49	1	0	22.44	-0.07	22.37	172.58	2
				256QAM	1	49	1	0	19.64	-0.07	19.57	90.57	2
21006	2525.6	21150	2540	QPSK	1	49	1	0	23.58	-0.07	23.51	224.39	2
				16QAM	1	49	1	0	22.78	-0.07	22.71	186.64	2
				64QAM	1	49	1	0	21.89	-0.07	21.82	152.05	2
				256QAM	1	49	1	0	18.86	-0.07	18.79	75.68	2
21206	21206	21350	21220.4	QPSK	1	49	1	0	23.73	-0.07	23.66	232.27	2
				16QAM	1	49	1	0	23.07	-0.07	23.00	199.53	2
				64QAM	1	49	1	0	22.07	-0.07	22.00	158.49	2
				256QAM	1	49	1	0	19.18	-0.07	19.11	81.47	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20825	2507.5	20975	2522.5	QPSK	1	74	1	0	23.81	-0.07	23.74	236.59	2
				16QAM	1	74	1	0	23.56	-0.07	23.49	223.36	2
				64QAM	1	74	1	0	22.43	-0.07	22.36	172.19	2
				256QAM	1	74	1	0	19.53	-0.07	19.46	88.31	2
21025	2527.5	21175	2542.5	QPSK	1	74	1	0	23.58	-0.07	23.51	224.39	2
				16QAM	1	74	1	0	22.74	-0.07	22.67	184.93	2
				64QAM	1	74	1	0	21.86	-0.07	21.79	151.01	2
				256QAM	1	74	1	0	18.84	-0.07	18.77	75.34	2
21225	2547.5	21375	2562.5	QPSK	1	74	1	0	23.65	-0.07	23.58	228.03	2
				16QAM	1	74	1	0	22.94	-0.07	22.87	193.64	2
				64QAM	1	74	1	0	22.09	-0.07	22.02	159.22	2
				256QAM	1	74	1	0	19.24	-0.07	19.17	82.60	2
Combination 15MHz+10MHz (75RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
20825	2507.5	20945	2519.5	QPSK	1	74	1	0	23.74	-0.07	23.67	232.81	2
				16QAM	1	74	1	0	23.52	-0.07	23.45	221.31	2
				64QAM	1	74	1	0	22.39	-0.07	22.32	170.61	2
				256QAM	1	74	1	0	19.53	-0.07	19.46	88.31	2
21051	2530.1	21171	2542.1	QPSK	1	74	1	0	23.60	-0.07	23.53	225.42	2
				16QAM	1	74	1	0	22.82	-0.07	22.75	188.36	2
				64QAM	1	74	1	0	21.88	-0.07	21.81	151.71	2
				256QAM	1	74	1	0	18.95	-0.07	18.88	77.27	2
21277	2552.7	21397	2564.7	QPSK	1	74	1	0	23.70	-0.07	23.63	230.67	2
				16QAM	1	74	1	0	23.04	-0.07	22.97	198.15	2
				64QAM	1	74	1	0	22.03	-0.07	21.96	157.04	2
				256QAM	1	74	1	0	19.20	-0.07	19.13	81.85	2



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Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
37850	2580	38048	2599.8	QPSK	1	99	1	0	23.61	-3.24	20.37	108.89	2
				16QAM	1	99	1	0	22.58	-3.24	19.34	85.90	2
				64QAM	1	99	1	0	21.73	-3.24	18.49	70.63	2
				256QAM	1	99	1	0	18.76	-3.24	15.52	35.65	2
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	23.57	-3.24	20.33	107.89	2
				16QAM	1	99	1	0	22.55	-3.24	19.31	85.39	2
				64QAM	1	99	1	0	21.69	-3.24	18.45	69.98	2
				256QAM	1	99	1	0	18.53	-3.24	15.29	33.81	2
37952	2590.2	38150	2610	QPSK	1	99	1	0	23.59	-3.24	20.35	108.39	2
				16QAM	1	99	1	0	22.57	-3.24	19.33	85.70	2
				64QAM	1	99	1	0	21.74	-3.24	18.50	70.79	2
				256QAM	1	99	1	0	18.49	-3.24	15.25	33.50	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
37825	2577.5	37975	2592.5	QPSK	1	74	1	0	23.46	-3.24	20.22	105.20	2
				16QAM	1	74	1	0	22.50	-3.24	19.26	84.33	2
				64QAM	1	74	1	0	21.68	-3.24	18.44	69.82	2
				256QAM	1	74	1	0	18.72	-3.24	15.48	35.32	2
37925	2587.5	38075	2602.5	QPSK	1	74	1	0	23.56	-3.24	20.32	107.65	2
				16QAM	1	74	1	0	22.50	-3.24	19.26	84.41	2
				64QAM	1	74	1	0	21.58	-3.24	18.34	68.23	2
				256QAM	1	74	1	0	18.46	-3.24	15.22	33.27	2
38025	2597.5	38175	2612.5	QPSK	1	74	1	0	23.58	-3.24	20.34	108.14	2
				16QAM	1	74	1	0	22.54	-3.24	19.30	85.11	2
				64QAM	1	74	1	0	21.67	-3.24	18.43	69.66	2
				256QAM	1	74	1	0	18.35	-3.24	15.11	32.43	2



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CA_38C_Ant2													
Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
37850	2580	38048	2599.8	QPSK	1	99	1	0	23.86	-1.55	22.31	170.22	2
				16QAM	1	99	1	0	23.02	-1.55	21.47	140.28	2
				64QAM	1	99	1	0	21.86	-1.55	20.31	107.40	2
				256QAM	1	99	1	0	19.38	-1.55	17.83	60.67	2
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	23.74	-1.55	22.19	165.58	2
				16QAM	1	99	1	0	22.87	-1.55	21.32	135.52	2
				64QAM	1	99	1	0	21.82	-1.55	20.27	106.41	2
				256QAM	1	99	1	0	19.42	-1.55	17.87	61.24	2
37952	2590.2	38150	2610	QPSK	1	99	1	0	23.77	-1.55	22.22	166.72	2
				16QAM	1	99	1	0	22.86	-1.55	21.31	135.21	2
				64QAM	1	99	1	0	21.84	-1.55	20.29	106.91	2
				256QAM	1	99	1	0	19.51	-1.55	17.96	62.52	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
37825	2577.5	37975	2592.5	QPSK	1	74	1	0	23.81	-1.55	22.26	168.27	2
				16QAM	1	74	1	0	22.96	-1.55	21.41	138.36	2
				64QAM	1	74	1	0	21.83	-1.55	20.28	106.66	2
				256QAM	1	74	1	0	19.29	-1.55	17.74	59.43	2
37925	2587.5	38075	2602.5	QPSK	1	74	1	0	23.59	-1.55	22.04	159.96	2
				16QAM	1	74	1	0	22.73	-1.55	21.18	131.22	2
				64QAM	1	74	1	0	21.67	-1.55	20.12	102.80	2
				256QAM	1	74	1	0	19.38	-1.55	17.83	60.67	2
38025	2597.5	38175	2612.5	QPSK	1	74	1	0	23.67	-1.55	22.12	162.93	2
				16QAM	1	74	1	0	22.79	-1.55	21.24	133.05	2
				64QAM	1	74	1	0	21.80	-1.55	20.25	105.93	2
				256QAM	1	74	1	0	19.50	-1.55	17.95	62.37	2



**BUREAU VERITAS** Test Report No.: PSZ-QBJ2501200112RF05

CA\_38C\_Ant3

CA_38C_Ant3													
Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
37850	2580	38048	2599.8	QPSK	1	99	1	0	24.12	-2.72	21.40	138.04	2
				16QAM	1	99	1	0	23.34	-2.72	20.62	115.35	2
				64QAM	1	99	1	0	22.18	-2.72	19.46	88.31	2
				256QAM	1	99	1	0	19.39	-2.72	16.67	46.45	2
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	24.12	-2.72	21.40	138.04	2
				16QAM	1	99	1	0	23.13	-2.72	20.41	109.90	2
				64QAM	1	99	1	0	22.21	-2.72	19.49	88.92	2
				256QAM	1	99	1	0	19.48	-2.72	16.76	47.42	2
37952	2590.2	38150	2610	QPSK	1	99	1	0	24.19	-2.72	21.47	140.28	2
				16QAM	1	99	1	0	23.27	-2.72	20.55	113.50	2
				64QAM	1	99	1	0	22.19	-2.72	19.47	88.51	2
				256QAM	1	99	1	0	19.30	-2.72	16.58	45.50	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
37825	2577.5	37975	2592.5	QPSK	1	74	1	0	23.99	-2.72	21.27	133.97	2
				16QAM	1	74	1	0	23.19	-2.72	20.47	111.43	2
				64QAM	1	74	1	0	22.11	-2.72	19.39	86.90	2
				256QAM	1	74	1	0	19.37	-2.72	16.65	46.24	2
37925	2587.5	38075	2602.5	QPSK	1	74	1	0	24.06	-2.72	21.34	136.14	2
				16QAM	1	74	1	0	23.09	-2.72	20.37	108.89	2
				64QAM	1	74	1	0	22.14	-2.72	19.42	87.50	2
				256QAM	1	74	1	0	19.45	-2.72	16.73	47.10	2
38025	2597.5	38175	2612.5	QPSK	1	74	1	0	24.09	-2.72	21.37	137.09	2
				16QAM	1	74	1	0	23.15	-2.72	20.43	110.41	2
				64QAM	1	74	1	0	22.18	-2.72	19.46	88.31	2
				256QAM	1	74	1	0	19.16	-2.72	16.44	44.06	2



CA\_38C\_Ant4

CA_38C_Ant4													
Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
37850	2580	38048	2599.8	QPSK	1	99	1	0	23.82	0.09	23.91	246.04	2
				16QAM	1	99	1	0	22.90	0.09	22.99	199.07	2
				64QAM	1	99	1	0	21.91	0.09	22.00	158.49	2
				256QAM	1	99	1	0	19.57	0.09	19.66	92.47	2
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	23.78	0.09	23.87	243.78	2
				16QAM	1	99	1	0	22.94	0.09	23.03	200.91	2
				64QAM	1	99	1	0	21.82	0.09	21.91	155.24	2
				256QAM	1	99	1	0	19.44	0.09	19.53	89.74	2
37952	2590.2	38150	2610	QPSK	1	99	1	0	23.76	0.09	23.85	242.66	2
				16QAM	1	99	1	0	22.78	0.09	22.87	193.64	2
				64QAM	1	99	1	0	21.76	0.09	21.85	153.11	2
				256QAM	1	99	1	0	19.55	0.09	19.64	92.04	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
37825	2577.5	37975	2592.5	QPSK	1	74	1	0	23.76	0.09	23.85	242.66	2
				16QAM	1	74	1	0	22.89	0.09	22.98	198.61	2
				64QAM	1	74	1	0	21.71	0.09	21.80	151.36	2
				256QAM	1	74	1	0	19.25	0.09	19.34	85.90	2
37925	2587.5	38075	2602.5	QPSK	1	74	1	0	23.72	0.09	23.81	240.44	2
				16QAM	1	74	1	0	22.74	0.09	22.83	191.87	2
				64QAM	1	74	1	0	21.75	0.09	21.84	152.76	2
				256QAM	1	74	1	0	19.31	0.09	19.40	87.10	2
38025	2597.5	38175	2612.5	QPSK	1	74	1	0	23.67	0.09	23.76	237.68	2
				16QAM	1	74	1	0	22.74	0.09	22.83	191.87	2
				64QAM	1	74	1	0	21.71	0.09	21.80	151.36	2
				256QAM	1	74	1	0	19.46	0.09	19.55	90.16	2



**BUREAU VERITAS** Test Report No.: PSZ-QBJ2501200112RF05

CA\_41C\_Ant0

CA_41C_Ant0													
Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39948	2525.8	QPSK	1	99	1	0	23.69	-3.04	20.65	116.14	2
				16QAM	1	99	1	0	22.76	-3.04	19.72	93.76	2
				64QAM	1	99	1	0	21.79	-3.04	18.75	74.99	2
				256QAM	1	99	1	0	18.71	-3.04	15.67	36.90	2
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	23.72	-3.04	20.68	116.95	2
				16QAM	1	99	1	0	22.56	-3.04	19.52	89.54	2
				64QAM	1	99	1	0	21.81	-3.04	18.77	75.34	2
				256QAM	1	99	1	0	18.58	-3.04	15.54	35.81	2
41292	2660.2	41490	2680	QPSK	1	99	1	0	23.13	-3.04	20.09	102.09	2
				16QAM	1	99	1	0	22.14	-3.04	19.10	81.28	2
				64QAM	1	99	1	0	21.19	-3.04	18.15	65.31	2
				256QAM	1	99	1	0	18.24	-3.04	15.20	33.11	2
Combination 20MHz+15MHz (100RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39921	2523.1	QPSK	1	99	1	0	23.57	-3.04	20.53	112.98	2
				16QAM	1	99	1	0	22.72	-3.04	19.68	92.90	2
				64QAM	1	99	1	0	21.78	-3.04	18.74	74.82	2
				256QAM	1	99	1	0	18.63	-3.04	15.59	36.22	2
40546	2585.6	40717	2602.7	QPSK	1	99	1	0	23.56	-3.04	20.52	112.72	2
				16QAM	1	99	1	0	22.46	-3.04	19.42	87.50	2
				64QAM	1	99	1	0	21.75	-3.04	18.71	74.30	2
				256QAM	1	99	1	0	18.48	-3.04	15.44	34.99	2
41341	2665.1	41512	2682.2	QPSK	1	99	1	0	22.98	-3.04	19.94	98.63	2
				16QAM	1	99	1	0	22.04	-3.04	19.00	79.43	2
				64QAM	1	99	1	0	21.16	-3.04	18.12	64.86	2
				256QAM	1	99	1	0	18.18	-3.04	15.14	32.66	2
Combination 15MHz+20MHz (75RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39728	2503.8	39899	2520.9	QPSK	1	74	1	0	23.59	-3.04	20.55	113.50	2
				16QAM	1	74	1	0	22.68	-3.04	19.64	92.04	2
				64QAM	1	74	1	0	21.76	-3.04	18.72	74.47	2
				256QAM	1	74	1	0	18.61	-3.04	15.57	36.06	2
40523	2583.3	40694	2600.4	QPSK	1	74	1	0	23.65	-3.04	20.61	115.08	2
				16QAM	1	74	1	0	22.45	-3.04	19.41	87.30	2
				64QAM	1	74	1	0	21.68	-3.04	18.64	73.11	2
				256QAM	1	74	1	0	18.46	-3.04	15.42	34.83	2
41319	2662.9	41490	2680	QPSK	1	74	1	0	23.03	-3.04	19.99	99.77	2
				16QAM	1	74	1	0	22.03	-3.04	18.99	79.25	2
				64QAM	1	74	1	0	21.11	-3.04	18.07	64.12	2
				256QAM	1	74	1	0	18.11	-3.04	15.07	32.14	2
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39894	2520.4	QPSK	1	99	1	0	23.56	-3.04	20.52	112.72	2
				16QAM	1	99	1	0	22.74	-3.04	19.70	93.33	2
				64QAM	1	99	1	0	21.71	-3.04	18.67	73.62	2
				256QAM	1	99	1	0	18.62	-3.04	15.58	36.14	2
40571	2588.1	40715	2602.5	QPSK	1	99	1	0	23.56	-3.04	20.52	112.72	2
				16QAM	1	99	1	0	22.44	-3.04	19.40	87.10	2
				64QAM	1	99	1	0	21.66	-3.04	18.62	72.78	2
				256QAM	1	99	1	0	18.52	-3.04	15.48	35.32	2
41391	2670.1	41535	2684.5	QPSK	1	99	1	0	23.02	-3.04	19.98	99.54	2
				16QAM	1	99	1	0	22.09	-3.04	19.05	80.35	2
				64QAM	1	99	1	0	21.10	-3.04	18.06	63.97	2
				256QAM	1	99	1	0	18.15	-3.04	15.11	32.43	2

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**BUREAU VERITAS** Test Report No.: PSZ-QBJ2501200112RF05

Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39705	2501.5	39849	2515.9	QPSK	1	49	1	0	23.64	-3.04	20.60	114.82	2
				16QAM	1	49	1	0	22.73	-3.04	19.69	93.11	2
				64QAM	1	49	1	0	21.78	-3.04	18.74	74.82	2
				256QAM	1	49	1	0	18.66	-3.04	15.62	36.48	2
40526	2583.6	40670	2598	QPSK	1	49	1	0	23.64	-3.04	20.60	114.82	2
				16QAM	1	49	1	0	22.44	-3.04	19.40	87.10	2
				64QAM	1	49	1	0	21.78	-3.04	18.74	74.82	2
				256QAM	1	49	1	0	18.50	-3.04	15.46	35.16	2
41346	2665.6	41490	2680	QPSK	1	49	1	0	23.11	-3.04	20.07	101.62	2
				16QAM	1	49	1	0	22.10	-3.04	19.06	80.54	2
				64QAM	1	49	1	0	21.08	-3.04	18.04	63.68	2
				256QAM	1	49	1	0	18.12	-3.04	15.08	32.21	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39725	2503.5	39875	2518.5	QPSK	1	74	1	0	23.68	-3.04	20.64	115.88	2
				16QAM	1	74	1	0	22.75	-3.04	19.71	93.54	2
				64QAM	1	74	1	0	21.70	-3.04	18.66	73.45	2
				256QAM	1	74	1	0	18.67	-3.04	15.63	36.56	2
40545	2585.5	40695	2600.5	QPSK	1	74	1	0	23.61	-3.04	20.57	114.02	2
				16QAM	1	74	1	0	22.49	-3.04	19.45	88.10	2
				64QAM	1	74	1	0	21.78	-3.04	18.74	74.82	2
				256QAM	1	74	1	0	18.47	-3.04	15.43	34.91	2
41365	2667.5	41515	2682.5	QPSK	1	74	1	0	23.12	-3.04	20.08	101.86	2
				16QAM	1	74	1	0	22.06	-3.04	19.02	79.80	2
				64QAM	1	74	1	0	21.05	-3.04	18.01	63.24	2
				256QAM	1	74	1	0	18.18	-3.04	15.14	32.66	2
Combination 15MHz+10MHz (75RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39725	2503.5	39845	2515.5	QPSK	1	74	1	0	23.58	-3.04	20.54	113.24	2
				16QAM	1	74	1	0	22.67	-3.04	19.63	91.83	2
				64QAM	1	74	1	0	21.76	-3.04	18.72	74.47	2
				256QAM	1	74	1	0	18.68	-3.04	15.64	36.64	2
40571	2588.1	40691	2600.1	QPSK	1	74	1	0	23.54	-3.04	20.50	112.20	2
				16QAM	1	74	1	0	22.45	-3.04	19.41	87.30	2
				64QAM	1	74	1	0	21.72	-3.04	18.68	73.79	2
				256QAM	1	74	1	0	18.53	-3.04	15.49	35.40	2
41417	2672.7	41537	2684.7	QPSK	1	74	1	0	23.04	-3.04	20.00	100.00	2
				16QAM	1	74	1	0	22.00	-3.04	18.96	78.70	2
				64QAM	1	74	1	0	21.11	-3.04	18.07	64.12	2
				256QAM	1	74	1	0	18.21	-3.04	15.17	32.89	2
Combination 10MHz+15MHz (50RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39703	2501.3	39823	2513.3	QPSK	1	49	1	0	23.63	-3.04	20.59	114.55	2
				16QAM	1	49	1	0	22.61	-3.04	19.57	90.57	2
				64QAM	1	49	1	0	21.76	-3.04	18.72	74.47	2
				256QAM	1	49	1	0	18.57	-3.04	15.53	35.73	2
40549	2585.9	40669	2597.9	QPSK	1	49	1	0	23.59	-3.04	20.55	113.50	2
				16QAM	1	49	1	0	22.51	-3.04	19.47	88.51	2
				64QAM	1	49	1	0	21.71	-3.04	18.67	73.62	2
				256QAM	1	49	1	0	18.44	-3.04	15.40	34.67	2
41395	2670.5	41515	2682.5	QPSK	1	49	1	0	23.08	-3.04	20.04	100.93	2
				16QAM	1	49	1	0	22.13	-3.04	19.09	81.10	2
				64QAM	1	49	1	0	21.16	-3.04	18.12	64.86	2
				256QAM	1	49	1	0	18.20	-3.04	15.16	32.81	2

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**BUREAU VERITAS** Test Report No.: PSZ-QBJ2501200112RF05

Combination 20MHz+5MHz (100RB+25RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39867	2517.7	QPSK	1	99	1	0	23.66	-3.04	20.62	115.35	2
				16QAM	1	99	1	0	22.69	-3.04	19.65	92.26	2
				64QAM	1	99	1	0	21.65	-3.04	18.61	72.61	2
				256QAM	1	99	1	0	18.60	-3.04	15.56	35.97	2
40595	2590.5	40712	2602.2	QPSK	1	99	1	0	23.56	-3.04	20.52	112.72	2
				16QAM	1	99	1	0	22.44	-3.04	19.40	87.10	2
				64QAM	1	99	1	0	21.75	-3.04	18.71	74.30	2
				256QAM	1	99	1	0	18.57	-3.04	15.53	35.73	2
41440	2675	41557	2686.7	QPSK	1	99	1	0	23.01	-3.04	19.97	99.31	2
				16QAM	1	99	1	0	22.06	-3.04	19.02	79.80	2
				64QAM	1	99	1	0	21.12	-3.04	18.08	64.27	2
				256QAM	1	99	1	0	18.17	-3.04	15.13	32.58	2
Combination 5MHz+20MHz (25RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39683	2499.3	39800	2511	QPSK	1	24	1	0	23.64	-3.04	20.60	114.82	2
				16QAM	1	24	1	0	22.75	-3.04	19.71	93.54	2
				64QAM	1	24	1	0	21.72	-3.04	18.68	73.79	2
				256QAM	1	24	1	0	18.68	-3.04	15.64	36.64	2
40528	2583.8	40645	2595.5	QPSK	1	24	1	0	23.52	-3.04	20.48	111.69	2
				16QAM	1	24	1	0	22.50	-3.04	19.46	88.31	2
				64QAM	1	24	1	0	21.70	-3.04	18.66	73.45	2
				256QAM	1	24	1	0	18.54	-3.04	15.50	35.48	2
41373	2668.3	41490	2680	QPSK	1	24	1	0	23.11	-3.04	20.07	101.62	2
				16QAM	1	24	1	0	22.11	-3.04	19.07	80.72	2
				64QAM	1	24	1	0	21.04	-3.04	18.00	63.10	2
				256QAM	1	24	1	0	18.22	-3.04	15.18	32.96	2

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**BUREAU VERITAS** Test Report No.: PSZ-QBJ2501200112RF05

CA\_41C\_Ant2

CA_41C_Ant2													
Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39948	2525.8	QPSK	1	99	1	0	24.64	-1.55	23.09	203.70	2
				16QAM	1	99	1	0	23.60	-1.55	22.05	160.32	2
				64QAM	1	99	1	0	22.63	-1.55	21.08	128.23	2
				256QAM	1	99	1	0	19.49	-1.55	17.94	62.23	2
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	24.45	-1.55	22.90	194.98	2
				16QAM	1	99	1	0	23.57	-1.55	22.02	159.22	2
				64QAM	1	99	1	0	22.48	-1.55	20.93	123.88	2
				256QAM	1	99	1	0	19.37	-1.55	17.82	60.53	2
41292	2660.2	41490	2680	QPSK	1	99	1	0	24.36	-1.55	22.81	190.99	2
				16QAM	1	99	1	0	23.35	-1.55	21.80	151.36	2
				64QAM	1	99	1	0	22.24	-1.55	20.69	117.22	2
				256QAM	1	99	1	0	19.16	-1.55	17.61	57.68	2
Combination 20MHz+15MHz (100RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39921	2523.1	QPSK	1	99	1	0	24.51	-1.55	22.96	197.70	2
				16QAM	1	99	1	0	23.45	-1.55	21.90	154.88	2
				64QAM	1	99	1	0	22.54	-1.55	20.99	125.60	2
				256QAM	1	99	1	0	19.46	-1.55	17.91	61.80	2
40546	2585.6	40717	2602.7	QPSK	1	99	1	0	24.36	-1.55	22.81	190.99	2
				16QAM	1	99	1	0	23.48	-1.55	21.93	155.96	2
				64QAM	1	99	1	0	22.42	-1.55	20.87	122.18	2
				256QAM	1	99	1	0	19.35	-1.55	17.80	60.26	2
41341	2665.1	41512	2682.2	QPSK	1	99	1	0	24.30	-1.55	22.75	188.36	2
				16QAM	1	99	1	0	23.23	-1.55	21.68	147.23	2
				64QAM	1	99	1	0	22.23	-1.55	20.68	116.95	2
				256QAM	1	99	1	0	19.06	-1.55	17.51	56.36	2
Combination 15MHz+20MHz (75RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39728	2503.8	39899	2520.9	QPSK	1	74	1	0	24.62	-1.55	23.07	202.77	2
				16QAM	1	74	1	0	23.49	-1.55	21.94	156.31	2
				64QAM	1	74	1	0	22.48	-1.55	20.93	123.88	2
				256QAM	1	74	1	0	19.41	-1.55	17.86	61.09	2
40523	2583.3	40694	2600.4	QPSK	1	74	1	0	24.30	-1.55	22.75	188.36	2
				16QAM	1	74	1	0	23.43	-1.55	21.88	154.17	2
				64QAM	1	74	1	0	22.44	-1.55	20.89	122.74	2
				256QAM	1	74	1	0	19.31	-1.55	17.76	59.70	2
41319	2662.9	41490	2680	QPSK	1	74	1	0	24.29	-1.55	22.74	187.93	2
				16QAM	1	74	1	0	23.30	-1.55	21.75	149.62	2
				64QAM	1	74	1	0	22.20	-1.55	20.65	116.14	2
				256QAM	1	74	1	0	19.11	-1.55	17.56	57.02	2
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39894	2520.4	QPSK	1	99	1	0	24.54	-1.55	22.99	199.07	2
				16QAM	1	99	1	0	23.52	-1.55	21.97	157.40	2
				64QAM	1	99	1	0	22.56	-1.55	21.01	126.18	2
				256QAM	1	99	1	0	19.43	-1.55	17.88	61.38	2
40571	2588.1	40715	2602.5	QPSK	1	99	1	0	24.41	-1.55	22.86	193.20	2
				16QAM	1	99	1	0	23.56	-1.55	22.01	158.85	2
				64QAM	1	99	1	0	22.42	-1.55	20.87	122.18	2
				256QAM	1	99	1	0	19.32	-1.55	17.77	59.84	2
41391	2670.1	41535	2684.5	QPSK	1	99	1	0	24.26	-1.55	22.71	186.64	2
				16QAM	1	99	1	0	23.22	-1.55	21.67	146.89	2
				64QAM	1	99	1	0	22.12	-1.55	20.57	114.02	2
				256QAM	1	99	1	0	19.02	-1.55	17.47	55.85	2



**BUREAU VERITAS** Test Report No.: PSZ-QBJ2501200112RF05

Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39705	2501.5	39849	2515.9	QPSK	1	49	1	0	24.50	-1.55	22.95	197.24	2
				16QAM	1	49	1	0	23.54	-1.55	21.99	158.12	2
				64QAM	1	49	1	0	22.49	-1.55	20.94	124.17	2
				256QAM	1	49	1	0	19.35	-1.55	17.80	60.26	2
40526	2583.6	40670	2598	QPSK	1	49	1	0	24.38	-1.55	22.83	191.87	2
				16QAM	1	49	1	0	23.48	-1.55	21.93	155.96	2
				64QAM	1	49	1	0	22.42	-1.55	20.87	122.18	2
				256QAM	1	49	1	0	19.28	-1.55	17.73	59.29	2
41346	2665.6	41490	2680	QPSK	1	49	1	0	24.29	-1.55	22.74	187.93	2
				16QAM	1	49	1	0	23.26	-1.55	21.71	148.25	2
				64QAM	1	49	1	0	22.14	-1.55	20.59	114.55	2
				256QAM	1	49	1	0	19.03	-1.55	17.48	55.98	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39725	2503.5	39875	2518.5	QPSK	1	74	1	0	24.63	-1.55	23.08	203.24	2
				16QAM	1	74	1	0	23.58	-1.55	22.03	159.59	2
				64QAM	1	74	1	0	22.50	-1.55	20.95	124.45	2
				256QAM	1	74	1	0	19.42	-1.55	17.87	61.24	2
40545	2585.5	40695	2600.5	QPSK	1	74	1	0	24.32	-1.55	22.77	189.23	2
				16QAM	1	74	1	0	23.56	-1.55	22.01	158.85	2
				64QAM	1	74	1	0	22.39	-1.55	20.84	121.34	2
				256QAM	1	74	1	0	19.36	-1.55	17.81	60.39	2
41365	2667.5	41515	2682.5	QPSK	1	74	1	0	24.31	-1.55	22.76	188.80	2
				16QAM	1	74	1	0	23.29	-1.55	21.74	149.28	2
				64QAM	1	74	1	0	22.17	-1.55	20.62	115.35	2
				256QAM	1	74	1	0	19.13	-1.55	17.58	57.28	2
Combination 15MHz+10MHz (75RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39725	2503.5	39845	2515.5	QPSK	1	74	1	0	24.62	-1.55	23.07	202.77	2
				16QAM	1	74	1	0	23.47	-1.55	21.92	155.60	2
				64QAM	1	74	1	0	22.48	-1.55	20.93	123.88	2
				256QAM	1	74	1	0	19.39	-1.55	17.84	60.81	2
40571	2588.1	40691	2600.1	QPSK	1	74	1	0	24.31	-1.55	22.76	188.80	2
				16QAM	1	74	1	0	23.46	-1.55	21.91	155.24	2
				64QAM	1	74	1	0	22.47	-1.55	20.92	123.59	2
				256QAM	1	74	1	0	19.24	-1.55	17.69	58.75	2
41417	2672.7	41537	2684.7	QPSK	1	74	1	0	24.33	-1.55	22.78	189.67	2
				16QAM	1	74	1	0	23.30	-1.55	21.75	149.62	2
				64QAM	1	74	1	0	22.23	-1.55	20.68	116.95	2
				256QAM	1	74	1	0	19.01	-1.55	17.46	55.72	2
Combination 10MHz+15MHz (50RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39703	2501.3	39823	2513.3	QPSK	1	49	1	0	24.54	-1.55	22.99	199.07	2
				16QAM	1	49	1	0	23.48	-1.55	21.93	155.96	2
				64QAM	1	49	1	0	22.53	-1.55	20.98	125.31	2
				256QAM	1	49	1	0	19.38	-1.55	17.83	60.67	2
40549	2585.9	40669	2597.9	QPSK	1	49	1	0	24.37	-1.55	22.82	191.43	2
				16QAM	1	49	1	0	23.42	-1.55	21.87	153.82	2
				64QAM	1	49	1	0	22.43	-1.55	20.88	122.46	2
				256QAM	1	49	1	0	19.26	-1.55	17.71	59.02	2
41395	2670.5	41515	2682.5	QPSK	1	49	1	0	24.30	-1.55	22.75	188.36	2
				16QAM	1	49	1	0	23.28	-1.55	21.73	148.94	2
				64QAM	1	49	1	0	22.09	-1.55	20.54	113.24	2
				256QAM	1	49	1	0	19.06	-1.55	17.51	56.36	2

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**BUREAU VERITAS** Test Report No.: PSZ-QBJ2501200112RF05

Combination 20MHz+5MHz (100RB+25RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39867	2517.7	QPSK	1	99	1	0	24.51	-1.55	22.96	197.70	2
				16QAM	1	99	1	0	23.53	-1.55	21.98	157.76	2
				64QAM	1	99	1	0	22.49	-1.55	20.94	124.17	2
				256QAM	1	99	1	0	19.44	-1.55	17.89	61.52	2
40595	2590.5	40712	2602.2	QPSK	1	99	1	0	24.40	-1.55	22.85	192.75	2
				16QAM	1	99	1	0	23.46	-1.55	21.91	155.24	2
				64QAM	1	99	1	0	22.46	-1.55	20.91	123.31	2
				256QAM	1	99	1	0	19.22	-1.55	17.67	58.48	2
41440	2675	41557	2686.7	QPSK	1	99	1	0	24.35	-1.55	22.80	190.55	2
				16QAM	1	99	1	0	23.22	-1.55	21.67	146.89	2
				64QAM	1	99	1	0	22.15	-1.55	20.60	114.82	2
				256QAM	1	99	1	0	19.03	-1.55	17.48	55.98	2
Combination 5MHz+20MHz (25RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39683	2499.3	39800	2511	QPSK	1	24	1	0	24.58	-1.55	23.03	200.91	2
				16QAM	1	24	1	0	23.47	-1.55	21.92	155.60	2
				64QAM	1	24	1	0	22.51	-1.55	20.96	124.74	2
				256QAM	1	24	1	0	19.37	-1.55	17.82	60.53	2
40528	2583.8	40645	2595.5	QPSK	1	24	1	0	24.32	-1.55	22.77	189.23	2
				16QAM	1	24	1	0	23.42	-1.55	21.87	153.82	2
				64QAM	1	24	1	0	22.41	-1.55	20.86	121.90	2
				256QAM	1	24	1	0	19.33	-1.55	17.78	59.98	2
41373	2668.3	41490	2680	QPSK	1	24	1	0	24.30	-1.55	22.75	188.36	2
				16QAM	1	24	1	0	23.24	-1.55	21.69	147.57	2
				64QAM	1	24	1	0	22.16	-1.55	20.61	115.08	2
				256QAM	1	24	1	0	19.14	-1.55	17.59	57.41	2

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**BUREAU VERITAS** Test Report No.: PSZ-QBJ2501200112RF05

CA\_41C\_Ant3

CA_41C_Ant3													
Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39948	2525.8	QPSK	1	99	1	0	24.57	-2.72	21.85	153.11	2
				16QAM	1	99	1	0	23.47	-2.72	20.75	118.85	2
				64QAM	1	99	1	0	22.44	-2.72	19.72	93.76	2
				256QAM	1	99	1	0	19.19	-2.72	16.47	44.36	2
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	24.58	-2.72	21.86	153.46	2
				16QAM	1	99	1	0	23.60	-2.72	20.88	122.46	2
				64QAM	1	99	1	0	22.52	-2.72	19.80	95.50	2
				256QAM	1	99	1	0	19.26	-2.72	16.54	45.08	2
41292	2660.2	41490	2680	QPSK	1	99	1	0	23.96	-2.72	21.24	133.05	2
				16QAM	1	99	1	0	22.91	-2.72	20.19	104.47	2
				64QAM	1	99	1	0	22.21	-2.72	19.49	88.92	2
				256QAM	1	99	1	0	18.91	-2.72	16.19	41.59	2
Combination 20MHz+15MHz (100RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39921	2523.1	QPSK	1	99	1	0	24.23	-2.72	21.51	141.58	2
				16QAM	1	99	1	0	23.16	-2.72	20.44	110.66	2
				64QAM	1	99	1	0	22.19	-2.72	19.47	88.51	2
				256QAM	1	99	1	0	18.94	-2.72	16.22	41.88	2
40546	2585.6	40717	2602.7	QPSK	1	99	1	0	24.14	-2.72	21.42	138.68	2
				16QAM	1	99	1	0	23.36	-2.72	20.64	115.88	2
				64QAM	1	99	1	0	22.25	-2.72	19.53	89.74	2
				256QAM	1	99	1	0	19.01	-2.72	16.29	42.56	2
41341	2665.1	41512	2682.2	QPSK	1	99	1	0	23.63	-2.72	20.91	123.31	2
				16QAM	1	99	1	0	22.66	-2.72	19.94	98.63	2
				64QAM	1	99	1	0	21.86	-2.72	19.14	82.04	2
				256QAM	1	99	1	0	18.59	-2.72	15.87	38.64	2
Combination 15MHz+20MHz (75RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39728	2503.8	39899	2520.9	QPSK	1	74	1	0	24.52	-2.72	21.80	151.36	2
				16QAM	1	74	1	0	23.42	-2.72	20.70	117.49	2
				64QAM	1	74	1	0	22.30	-2.72	19.58	90.78	2
				256QAM	1	74	1	0	19.04	-2.72	16.32	42.85	2
40523	2583.3	40694	2600.4	QPSK	1	74	1	0	24.36	-2.72	21.64	145.88	2
				16QAM	1	74	1	0	23.59	-2.72	20.87	122.18	2
				64QAM	1	74	1	0	22.50	-2.72	19.78	95.06	2
				256QAM	1	74	1	0	19.12	-2.72	16.40	43.65	2
41319	2662.9	41490	2680	QPSK	1	74	1	0	23.94	-2.72	21.22	132.43	2
				16QAM	1	74	1	0	22.86	-2.72	20.14	103.28	2
				64QAM	1	74	1	0	22.18	-2.72	19.46	88.31	2
				256QAM	1	74	1	0	18.83	-2.72	16.11	40.83	2
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39894	2520.4	QPSK	1	99	1	0	24.45	-2.72	21.73	148.94	2
				16QAM	1	99	1	0	23.46	-2.72	20.74	118.58	2
				64QAM	1	99	1	0	22.30	-2.72	19.58	90.78	2
				256QAM	1	99	1	0	19.11	-2.72	16.39	43.55	2
40571	2588.1	40715	2602.5	QPSK	1	99	1	0	24.36	-2.72	21.64	145.88	2
				16QAM	1	99	1	0	23.59	-2.72	20.87	122.18	2
				64QAM	1	99	1	0	22.43	-2.72	19.71	93.54	2
				256QAM	1	99	1	0	19.23	-2.72	16.51	44.77	2
41391	2670.1	41535	2684.5	QPSK	1	99	1	0	23.92	-2.72	21.20	131.83	2
				16QAM	1	99	1	0	22.82	-2.72	20.10	102.33	2
				64QAM	1	99	1	0	22.06	-2.72	19.34	85.90	2
				256QAM	1	99	1	0	18.88	-2.72	16.16	41.30	2



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Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39705	2501.5	39849	2515.9	QPSK	1	49	1	0	24.34	-2.72	21.62	145.21	2
				16QAM	1	49	1	0	23.32	-2.72	20.60	114.82	2
				64QAM	1	49	1	0	22.22	-2.72	19.50	89.13	2
				256QAM	1	49	1	0	19.10	-2.72	16.38	43.45	2
40526	2583.6	40670	2598	QPSK	1	49	1	0	24.29	-2.72	21.57	143.55	2
				16QAM	1	49	1	0	23.48	-2.72	20.76	119.12	2
				64QAM	1	49	1	0	22.31	-2.72	19.59	90.99	2
				256QAM	1	49	1	0	19.14	-2.72	16.42	43.85	2
41346	2665.6	41490	2680	QPSK	1	49	1	0	23.78	-2.72	21.06	127.64	2
				16QAM	1	49	1	0	22.79	-2.72	20.07	101.62	2
				64QAM	1	49	1	0	22.00	-2.72	19.28	84.72	2
				256QAM	1	49	1	0	18.87	-2.72	16.15	41.21	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39725	2503.5	39875	2518.5	QPSK	1	74	1	0	24.55	-2.72	21.83	152.41	2
				16QAM	1	74	1	0	23.39	-2.72	20.67	116.68	2
				64QAM	1	74	1	0	22.32	-2.72	19.60	91.20	2
				256QAM	1	74	1	0	19.14	-2.72	16.42	43.85	2
40545	2585.5	40695	2600.5	QPSK	1	74	1	0	24.34	-2.72	21.62	145.21	2
				16QAM	1	74	1	0	23.56	-2.72	20.84	121.34	2
				64QAM	1	74	1	0	22.45	-2.72	19.73	93.97	2
				256QAM	1	74	1	0	19.17	-2.72	16.45	44.16	2
41365	2667.5	41515	2682.5	QPSK	1	74	1	0	23.82	-2.72	21.10	128.82	2
				16QAM	1	74	1	0	22.88	-2.72	20.16	103.75	2
				64QAM	1	74	1	0	22.06	-2.72	19.34	85.90	2
				256QAM	1	74	1	0	18.81	-2.72	16.09	40.64	2
Combination 15MHz+10MHz (75RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39725	2503.5	39845	2515.5	QPSK	1	74	1	0	24.30	-2.72	21.58	143.88	2
				16QAM	1	74	1	0	23.39	-2.72	20.67	116.68	2
				64QAM	1	74	1	0	22.15	-2.72	19.43	87.70	2
				256QAM	1	74	1	0	19.05	-2.72	16.33	42.95	2
40571	2588.1	40691	2600.1	QPSK	1	74	1	0	24.30	-2.72	21.58	143.88	2
				16QAM	1	74	1	0	23.46	-2.72	20.74	118.58	2
				64QAM	1	74	1	0	22.36	-2.72	19.64	92.04	2
				256QAM	1	74	1	0	19.21	-2.72	16.49	44.57	2
41417	2672.7	41537	2684.7	QPSK	1	74	1	0	23.82	-2.72	21.10	128.82	2
				16QAM	1	74	1	0	22.71	-2.72	19.99	99.77	2
				64QAM	1	74	1	0	21.99	-2.72	19.27	84.53	2
				256QAM	1	74	1	0	18.74	-2.72	16.02	39.99	2
Combination 10MHz+15MHz (50RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39703	2501.3	39823	2513.3	QPSK	1	49	1	0	24.43	-2.72	21.71	148.25	2
				16QAM	1	49	1	0	23.40	-2.72	20.68	116.95	2
				64QAM	1	49	1	0	22.29	-2.72	19.57	90.57	2
				256QAM	1	49	1	0	18.96	-2.72	16.24	42.07	2
40549	2585.9	40669	2597.9	QPSK	1	49	1	0	24.31	-2.72	21.59	144.21	2
				16QAM	1	49	1	0	23.52	-2.72	20.80	120.23	2
				64QAM	1	49	1	0	22.37	-2.72	19.65	92.26	2
				256QAM	1	49	1	0	19.08	-2.72	16.36	43.25	2
41395	2670.5	41515	2682.5	QPSK	1	49	1	0	23.77	-2.72	21.05	127.35	2
				16QAM	1	49	1	0	22.80	-2.72	20.08	101.86	2
				64QAM	1	49	1	0	22.01	-2.72	19.29	84.92	2
				256QAM	1	49	1	0	18.81	-2.72	16.09	40.64	2



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Combination 20MHz+5MHz (100RB+25RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39867	2517.7	QPSK	1	99	1	0	24.32	-2.72	21.60	144.54	2
				16QAM	1	99	1	0	23.35	-2.72	20.63	115.61	2
				64QAM	1	99	1	0	22.25	-2.72	19.53	89.74	2
				256QAM	1	99	1	0	19.08	-2.72	16.36	43.25	2
40595	2590.5	40712	2602.2	QPSK	1	99	1	0	24.33	-2.72	21.61	144.88	2
				16QAM	1	99	1	0	23.50	-2.72	20.78	119.67	2
				64QAM	1	99	1	0	22.41	-2.72	19.69	93.11	2
				256QAM	1	99	1	0	19.12	-2.72	16.40	43.65	2
41440	2675	41557	2686.7	QPSK	1	99	1	0	23.88	-2.72	21.16	130.62	2
				16QAM	1	99	1	0	22.80	-2.72	20.08	101.86	2
				64QAM	1	99	1	0	22.02	-2.72	19.30	85.11	2
				256QAM	1	99	1	0	18.77	-2.72	16.05	40.27	2
Combination 5MHz+20MHz (25RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39683	2499.3	39800	2511	QPSK	1	24	1	0	24.44	-2.72	21.72	148.59	2
				16QAM	1	24	1	0	23.42	-2.72	20.70	117.49	2
				64QAM	1	24	1	0	22.29	-2.72	19.57	90.57	2
				256QAM	1	24	1	0	19.10	-2.72	16.38	43.45	2
40528	2583.8	40645	2595.5	QPSK	1	24	1	0	24.25	-2.72	21.53	142.23	2
				16QAM	1	24	1	0	23.52	-2.72	20.80	120.23	2
				64QAM	1	24	1	0	22.40	-2.72	19.68	92.90	2
				256QAM	1	24	1	0	19.14	-2.72	16.42	43.85	2
41373	2668.3	41490	2680	QPSK	1	24	1	0	23.81	-2.72	21.09	128.53	2
				16QAM	1	24	1	0	22.70	-2.72	19.98	99.54	2
				64QAM	1	24	1	0	21.96	-2.72	19.24	83.95	2
				256QAM	1	24	1	0	18.78	-2.72	16.06	40.36	2

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CA_41C_Ant4													
Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39948	2525.8	QPSK	1	99	1	0	24.58	0.01	24.59	287.74	2
				16QAM	1	99	1	0	23.61	0.01	23.62	230.14	2
				64QAM	1	99	1	0	22.73	0.01	22.74	187.93	2
				256QAM	1	99	1	0	19.40	0.01	19.41	87.30	2
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	24.61	0.01	24.62	289.73	2
				16QAM	1	99	1	0	23.57	0.01	23.58	228.03	2
				64QAM	1	99	1	0	22.70	0.01	22.71	186.64	2
				256QAM	1	99	1	0	19.45	0.01	19.46	88.31	2
41292	2660.2	41490	2680	QPSK	1	99	1	0	24.26	0.01	24.27	267.30	2
				16QAM	1	99	1	0	23.36	0.01	23.37	217.27	2
				64QAM	1	99	1	0	22.59	0.01	22.60	181.97	2
				256QAM	1	99	1	0	19.32	0.01	19.33	85.70	2
Combination 20MHz+15MHz (100RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39921	2523.1	QPSK	1	99	1	0	24.42	0.01	24.43	277.33	2
				16QAM	1	99	1	0	23.46	0.01	23.47	222.33	2
				64QAM	1	99	1	0	22.69	0.01	22.70	186.21	2
				256QAM	1	99	1	0	19.25	0.01	19.26	84.33	2
40546	2585.6	40717	2602.7	QPSK	1	99	1	0	24.34	0.01	24.35	272.27	2
				16QAM	1	99	1	0	23.48	0.01	23.49	223.36	2
				64QAM	1	99	1	0	22.67	0.01	22.68	185.35	2
				256QAM	1	99	1	0	19.31	0.01	19.32	85.51	2
41341	2665.1	41512	2682.2	QPSK	1	99	1	0	24.14	0.01	24.15	260.02	2
				16QAM	1	99	1	0	23.33	0.01	23.34	215.77	2
				64QAM	1	99	1	0	22.49	0.01	22.50	177.83	2
				256QAM	1	99	1	0	19.31	0.01	19.32	85.51	2
Combination 15MHz+20MHz (75RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39728	2503.8	39899	2520.9	QPSK	1	74	1	0	24.44	0.01	24.45	278.61	2
				16QAM	1	74	1	0	23.57	0.01	23.58	228.03	2
				64QAM	1	74	1	0	22.58	0.01	22.59	181.55	2
				256QAM	1	74	1	0	19.29	0.01	19.30	85.11	2
40523	2583.3	40694	2600.4	QPSK	1	74	1	0	24.38	0.01	24.39	274.79	2
				16QAM	1	74	1	0	23.45	0.01	23.46	221.82	2
				64QAM	1	74	1	0	22.57	0.01	22.58	181.13	2
				256QAM	1	74	1	0	19.36	0.01	19.37	86.50	2
41319	2662.9	41490	2680	QPSK	1	74	1	0	24.22	0.01	24.23	264.85	2
				16QAM	1	74	1	0	23.29	0.01	23.30	213.80	2
				64QAM	1	74	1	0	22.49	0.01	22.50	177.83	2
				256QAM	1	74	1	0	19.26	0.01	19.27	84.53	2
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39894	2520.4	QPSK	1	99	1	0	24.55	0.01	24.56	285.76	2
				16QAM	1	99	1	0	23.54	0.01	23.55	226.46	2
				64QAM	1	99	1	0	22.62	0.01	22.63	183.23	2
				256QAM	1	99	1	0	19.26	0.01	19.27	84.53	2
40571	2588.1	40715	2602.5	QPSK	1	99	1	0	24.43	0.01	24.44	277.97	2
				16QAM	1	99	1	0	23.52	0.01	23.53	225.42	2
				64QAM	1	99	1	0	22.68	0.01	22.69	185.78	2
				256QAM	1	99	1	0	19.34	0.01	19.35	86.10	2
41391	2670.1	41535	2684.5	QPSK	1	99	1	0	24.22	0.01	24.23	264.85	2
				16QAM	1	99	1	0	23.26	0.01	23.27	212.32	2
				64QAM	1	99	1	0	22.52	0.01	22.53	179.06	2
				256QAM	1	99	1	0	19.27	0.01	19.28	84.72	2



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Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39705	2501.5	39849	2515.9	QPSK	1	49	1	0	24.50	0.01	24.51	282.49	2
				16QAM	1	49	1	0	23.47	0.01	23.48	222.84	2
				64QAM	1	49	1	0	22.72	0.01	22.73	187.50	2
				256QAM	1	49	1	0	19.26	0.01	19.27	84.53	2
40526	2583.6	40670	2598	QPSK	1	49	1	0	24.39	0.01	24.40	275.42	2
				16QAM	1	49	1	0	23.54	0.01	23.55	226.46	2
				64QAM	1	49	1	0	22.69	0.01	22.70	186.21	2
				256QAM	1	49	1	0	19.44	0.01	19.45	88.10	2
41346	2665.6	41490	2680	QPSK	1	49	1	0	24.23	0.01	24.24	265.46	2
				16QAM	1	49	1	0	23.24	0.01	23.25	211.35	2
				64QAM	1	49	1	0	22.55	0.01	22.56	180.30	2
				256QAM	1	49	1	0	19.18	0.01	19.19	82.99	2
Combination 15MHz+15MHz (75RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39725	2503.5	39875	2518.5	QPSK	1	74	1	0	24.46	0.01	24.47	279.90	2
				16QAM	1	74	1	0	23.54	0.01	23.55	226.46	2
				64QAM	1	74	1	0	22.60	0.01	22.61	182.39	2
				256QAM	1	74	1	0	19.30	0.01	19.31	85.31	2
40545	2585.5	40695	2600.5	QPSK	1	74	1	0	24.33	0.01	24.34	271.64	2
				16QAM	1	74	1	0	23.48	0.01	23.49	223.36	2
				64QAM	1	74	1	0	22.64	0.01	22.65	184.08	2
				256QAM	1	74	1	0	19.38	0.01	19.39	86.90	2
41365	2667.5	41515	2682.5	QPSK	1	74	1	0	24.21	0.01	24.22	264.24	2
				16QAM	1	74	1	0	23.31	0.01	23.32	214.78	2
				64QAM	1	74	1	0	22.50	0.01	22.51	178.24	2
				256QAM	1	74	1	0	19.18	0.01	19.19	82.99	2
Combination 15MHz+10MHz (75RB+50RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39725	2503.5	39845	2515.5	QPSK	1	74	1	0	24.43	0.01	24.44	277.97	2
				16QAM	1	74	1	0	23.57	0.01	23.58	228.03	2
				64QAM	1	74	1	0	22.67	0.01	22.68	185.35	2
				256QAM	1	74	1	0	19.33	0.01	19.34	85.90	2
40571	2588.1	40691	2600.1	QPSK	1	74	1	0	24.33	0.01	24.34	271.64	2
				16QAM	1	74	1	0	23.40	0.01	23.41	219.28	2
				64QAM	1	74	1	0	22.63	0.01	22.64	183.65	2
				256QAM	1	74	1	0	19.30	0.01	19.31	85.31	2
41417	2672.7	41537	2684.7	QPSK	1	74	1	0	24.13	0.01	24.14	259.42	2
				16QAM	1	74	1	0	23.27	0.01	23.28	212.81	2
				64QAM	1	74	1	0	22.58	0.01	22.59	181.55	2
				256QAM	1	74	1	0	19.19	0.01	19.20	83.18	2
Combination 10MHz+15MHz (50RB+75RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39703	2501.3	39823	2513.3	QPSK	1	49	1	0	24.54	0.01	24.55	285.10	2
				16QAM	1	49	1	0	23.46	0.01	23.47	222.33	2
				64QAM	1	49	1	0	22.64	0.01	22.65	184.08	2
				256QAM	1	49	1	0	19.26	0.01	19.27	84.53	2
40549	2585.9	40669	2597.9	QPSK	1	49	1	0	24.39	0.01	24.40	275.42	2
				16QAM	1	49	1	0	23.48	0.01	23.49	223.36	2
				64QAM	1	49	1	0	22.63	0.01	22.64	183.65	2
				256QAM	1	49	1	0	19.37	0.01	19.38	86.70	2
41395	2670.5	41515	2682.5	QPSK	1	49	1	0	24.12	0.01	24.13	258.82	2
				16QAM	1	49	1	0	23.33	0.01	23.34	215.77	2
				64QAM	1	49	1	0	22.47	0.01	22.48	177.01	2
				256QAM	1	49	1	0	19.24	0.01	19.25	84.14	2

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**BUREAU VERITAS** Test Report No.: PSZ-QBJ2501200112RF05

Combination 20MHz+5MHz (100RB+25RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39867	2517.7	QPSK	1	99	1	0	24.45	0.01	24.46	279.25	2
				16QAM	1	99	1	0	23.50	0.01	23.51	224.39	2
				64QAM	1	99	1	0	22.58	0.01	22.59	181.55	2
				256QAM	1	99	1	0	19.32	0.01	19.33	85.70	2
40595	2590.5	40712	2602.2	QPSK	1	99	1	0	24.37	0.01	24.38	274.16	2
				16QAM	1	99	1	0	23.46	0.01	23.47	222.33	2
				64QAM	1	99	1	0	22.67	0.01	22.68	185.35	2
				256QAM	1	99	1	0	19.32	0.01	19.33	85.70	2
41440	2675	41557	2686.7	QPSK	1	99	1	0	24.25	0.01	24.26	266.69	2
				16QAM	1	99	1	0	23.35	0.01	23.36	216.77	2
				64QAM	1	99	1	0	22.53	0.01	22.54	179.47	2
				256QAM	1	99	1	0	19.27	0.01	19.28	84.72	2
Combination 5MHz+20MHz (25RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
					RB Size	RB offset	RB Size	RB offset					
39683	2499.3	39800	2511	QPSK	1	24	1	0	24.49	0.01	24.50	281.84	2
				16QAM	1	24	1	0	23.48	0.01	23.49	223.36	2
				64QAM	1	24	1	0	22.63	0.01	22.64	183.65	2
				256QAM	1	24	1	0	19.29	0.01	19.30	85.11	2
40528	2583.8	40645	2595.5	QPSK	1	24	1	0	24.37	0.01	24.38	274.16	2
				16QAM	1	24	1	0	23.42	0.01	23.43	220.29	2
				64QAM	1	24	1	0	22.55	0.01	22.56	180.30	2
				256QAM	1	24	1	0	19.37	0.01	19.38	86.70	2
41373	2668.3	41490	2680	QPSK	1	24	1	0	24.18	0.01	24.19	262.42	2
				16QAM	1	24	1	0	23.30	0.01	23.31	214.29	2
				64QAM	1	24	1	0	22.54	0.01	22.55	179.89	2
				256QAM	1	24	1	0	19.19	0.01	19.20	83.18	2

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**BUREAU VERITAS** Test Report No.: PSZ-QBJ2501200112RF05

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



### 3.2 FREQUENCY STABILITY MEASUREMENT

#### 3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

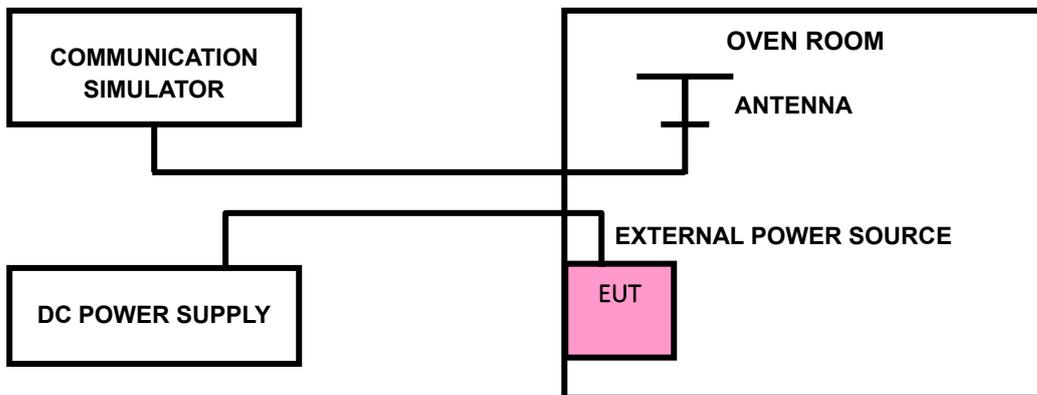
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

#### 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**

**LTE BAND CA\_7C**

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

**LTE BAND CA\_38C**



LTE BAND CA_38C channel and Frequency List					
BW(MHz)	Channel/Frequncy(MHz)		Lowest	Middle	Highest
15+15	PCC	channel	37825	37925	38025
		Frequncy	2577.5	2587.5	2597.5
	SCC	channel	37975	38075	38175
		Frequncy	2592.5	2602.5	2612.5
20+20	PCC	channel	37850	37901	37952
		Frequncy	2580.0	2585.1	2590.2
	SCC	channel	38048	38099	38150
		Frequncy	2599.8	2604.9	2610

**LTE BAND CA\_41C**

LTE BAND CA_41C channel and Frequency List					
BW(MHz)	Channel/Frequncy(MHz)		Lowest	Middle	Highest
5+20	PCC	channel	39683	40528	41373
		Frequncy	2499.3	2583.8	2668.3
	SCC	channel	39800	40645	41490
		Frequncy	2511	2595.5	2680
10+15	PCC	channel	39703	40549	41395
		Frequncy	2501.3	2585.9	2670.5
	SCC	channel	39823	40669	41515
		Frequncy	2513.3	2597.9	2682.5
10+20	PCC	channel	39705	40526	41346
		Frequncy	2501.5	2583.6	2665.6
	SCC	channel	39849	40670	41490
		Frequncy	2515.9	2598.0	2680
15+10	PCC	channel	39725	40571	41417
		Frequncy	2503.5	2588.1	2672.7
	SCC	channel	39845	40691	41537
		Frequncy	2515.5	2600.1	2684.7
15+15	PCC	channel	39725	40545	41365
		Frequncy	2503.5	2585.5	2667.5
	SCC	channel	39875	40695	41515
		Frequncy	2518.5	2600.5	2682.5



15+20	PCC	channel	39728	40523	41319
		Frequcncy	2503.8	2583.3	2662.9
	SCC	channel	39899	40694	41490
		Frequcncy	2520.9	2600.4	2680
20+5	PCC	channel	39750	40595	41440
		Frequcncy	2506	2590.5	2675
	SCC	channel	39867	40712	41557
		Frequcncy	2517.7	2602.2	2686.7
20+10	PCC	channel	39750	40571	41391
		Frequcncy	2506	2588.1	2670.1
	SCC	channel	39894	40715	41535
		Frequcncy	2520.4	2602.5	2684.5
20+15	PCC	channel	39750	40546	41341
		Frequcncy	2506	2585.6	2665.1
	SCC	channel	39921	40717	41512
		Frequcncy	2523.1	2602.7	2682.2
20+20	PCC	channel	39750	40521	41292
		Frequcncy	2506	2583.1	2660.2
	SCC	channel	39948	40719	41490
		Frequcncy	2525.8	2602.9	2680



LTE BAND CA_66B channel and Frequency List					
BW(MHz)	Channel/Frequncy(MHz)		Lowest	Middle	Highest
10+10	PCC	channel	132022	132373	132523
		Frequncy	1715	1750.1	1765.1
	SCC	channel	132121	132472	132622
		Frequncy	1724.9	1760	1775
15+5	PCC	channel	132002	132353	132504
		Frequncy	1713	1748.1	1763.2
	SCC	channel	132095	132446	132597
		Frequncy	1722.3	1757.4	1772.5
10+5	PCC	channel	132022	132397	132572
		Frequncy	1715	1752.5	1770
	SCC	channel	132094	132469	132644
		Frequncy	1722.2	1759.7	1777.2
5+10	PCC	channel	132000	132375	132550
		Frequncy	1712.8	1750.3	1767.8
	SCC	channel	132072	132447	132622
		Frequncy	1720	1757.5	1775
5+5	PCC	channel	131997	132398	132599
		Frequncy	1712.5	1777.5	1772.7
	SCC	channel	132045	132446	132647
		Frequncy	1717.3	1782.3	1777.5



LTE BAND CA_66B channel and Frequency List					
BW(MHz)	Channel/Frequncy(MHz)		Lowest	Middle	Highest
20+20	PCC	channel	132072	132323	132374
		Frequncy	1720	1745.1	1750.2
	SCC	channel	132270	132521	132572
		Frequncy	1739.8	1764.9	1770
20+15	PCC	channel	132072	132348	132423
		Frequncy	1720	1747.6	1755.1
	SCC	channel	132243	132519	132594
		Frequncy	1737.1	1764.7	1772.2
15+20	PCC	channel	132050	132325	132401
		Frequncy	1717.8	1745.3	1752.9
	SCC	channel	132221	132496	132572
		Frequncy	1734.9	1762.4	1770
20+10	PCC	channel	132072	132373	132473
		Frequncy	1720	1750.1	1760.1
	SCC	channel	132216	132517	132617
		Frequncy	1734.4	1764.5	1774.5
10+20	PCC	channel	132027	132328	132428
		Frequncy	1715.5	1745.6	1755.6
	SCC	channel	132171	132472	132572
		Frequncy	1729.9	1760	1770
15+15	PCC	channel	132047	132347	132447
		Frequncy	1717.5	1747.5	1757.5
	SCC	channel	132197	132497	132597
		Frequncy	1732.5	1762.5	1772.5
15+10	PCC	channel	132047	132373	132499
		Frequncy	1717.5	1750.1	1762.7
	SCC	channel	132167	132493	132619
		Frequncy	1729.5	1762.1	1774.7
10+15	PCC	channel	132025	132351	132477
		Frequncy	1715.3	1747.9	1760.5
	SCC	channel	132145	132471	132597
		Frequncy	1727.3	1759.9	1772.5



20+5	PCC	channel	132072	132397	132522
		Frequcncy	1720	1752.5	1765
	SCC	channel	132189	132514	132639
		Frequcncy	1731.7	1764.2	1776.7
5+20	PCC	channel	132005	132330	132455
		Frequcncy	1713.3	1745.8	1758.3
	SCC	channel	132122	132447	132572
		Frequcncy	1725	1757.5	1770

Note: VL = Low voltage(3.5V); VN/NV = Normal voltage(3.89V); VH = High voltage(4.48V);  
NT = Normal temperature (25°C)

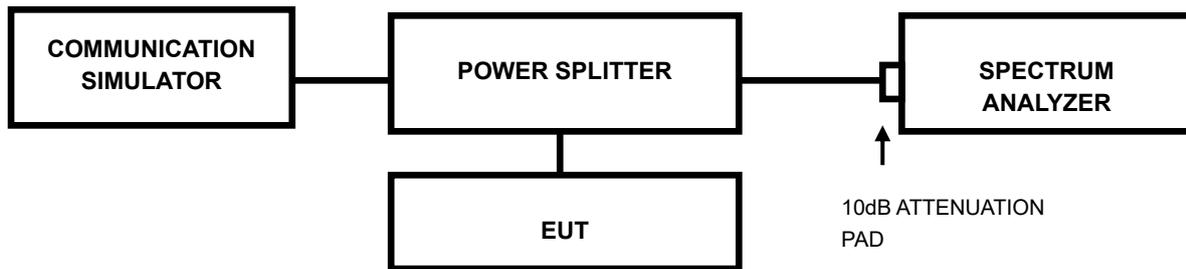


### 3.3 OCCUPIED BANDWIDTH MEASUREMENT

#### 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 I Of this test report.



### **3.4 BAND EDGE MEASUREMENT**

#### **3.4.2 LIMITS OF BAND EDGE MEASUREMENT**

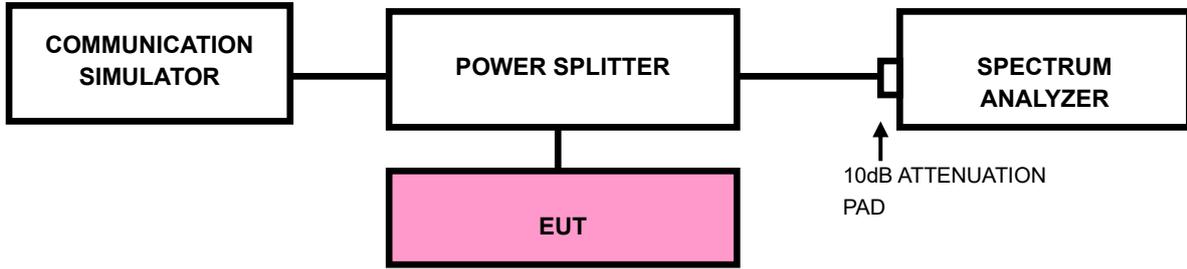
According to FCC 27.53(g) specified that For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43 + 10 \log (P)$  dB. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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

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



### 3.4.3 TEST SETUP





### 3.4.4 TEST PROCEDURES

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

### 3.4.5 TEST RESULTS

Please Refer to Appendix I Of this test report.



### 3.5 CONDUCTED SPURIOUS EMISSIONS

#### 3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

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

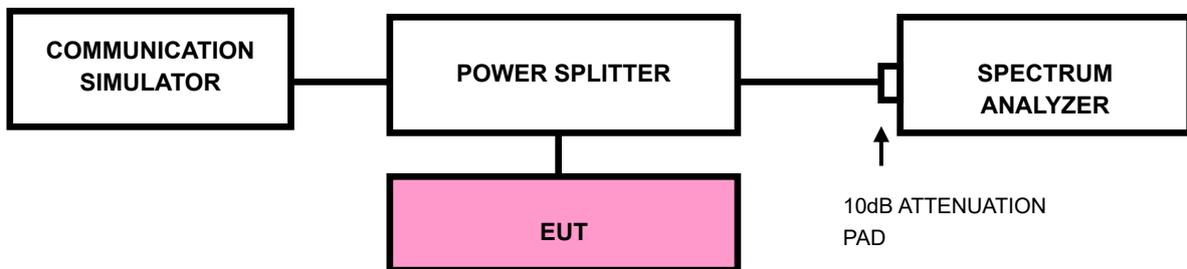
For: LTE Band7C/Band41C

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

#### 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 I Of this test report.



### 3.6 RADIATED EMISSION MEASUREMENT

#### 3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

For: LTE Band7C/ Band41C

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

#### 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.  $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$ .
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,  $\text{E.R.P power} = \text{E.I.P.R power} - 2.15\text{dBi}$ .

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

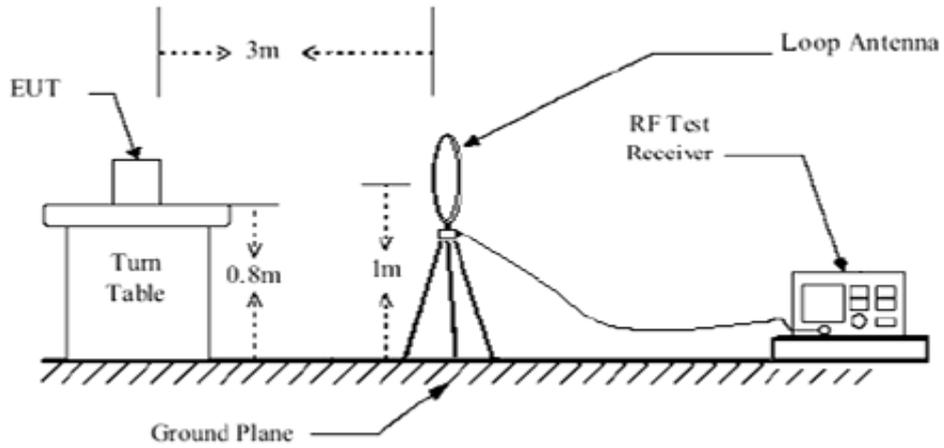
#### 3.6.3 DEVIATION FROM TEST STANDARD

No deviation

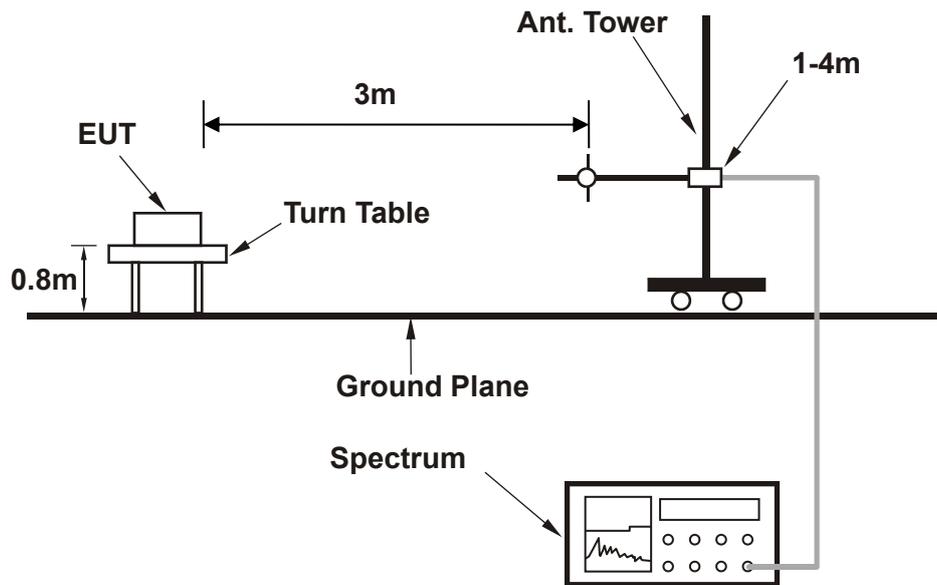


### 3.6.4 TEST SETUP

#### < Frequency Range below 30MHz >

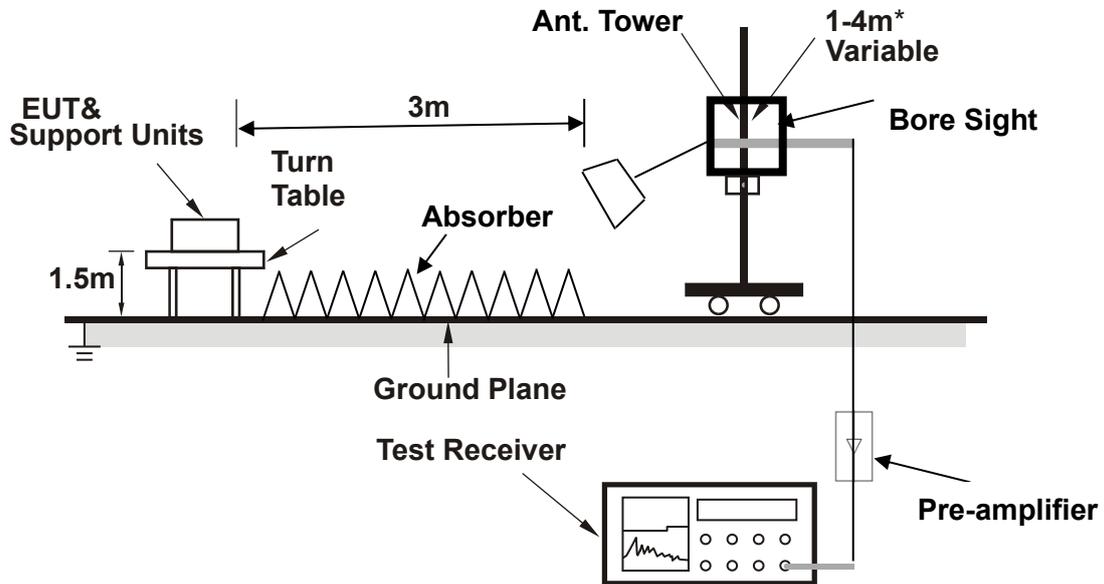


#### < Frequency Range 30MHz~1GHz >





<Frequency Range above 1GHz>



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

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



### 3.6.5 TEST RESULTS

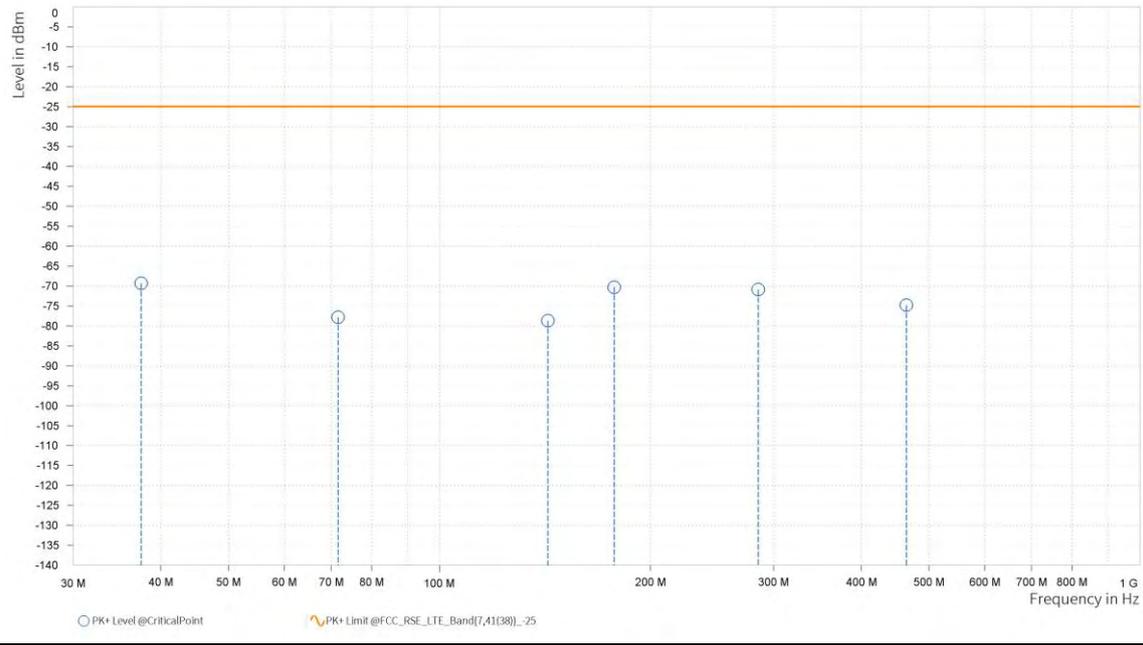
NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

**BELOW 1GHz WORST-CASE DATA**

LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 39750 TX channel SCC 39948
<b>FREQUENCY RANGE</b>	30 MHz – 1GHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60HZ	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	37.500	-69.33	-25.00	44.33	0.35	H	1	1.00
1	71.650	-77.84	-25.00	52.84	-10.08	H	172.6	1.00
1	142.750	-78.70	-25.00	53.70	-14.70	H	253	2.00
1	177.550	-70.28	-25.00	45.28	-8.51	H	244.3	1.00
1	285.000	-70.88	-25.00	45.88	-2.31	H	244.3	1.00
2	463.888	-74.77	-25.00	49.77	1.25	H	169.4	2.00

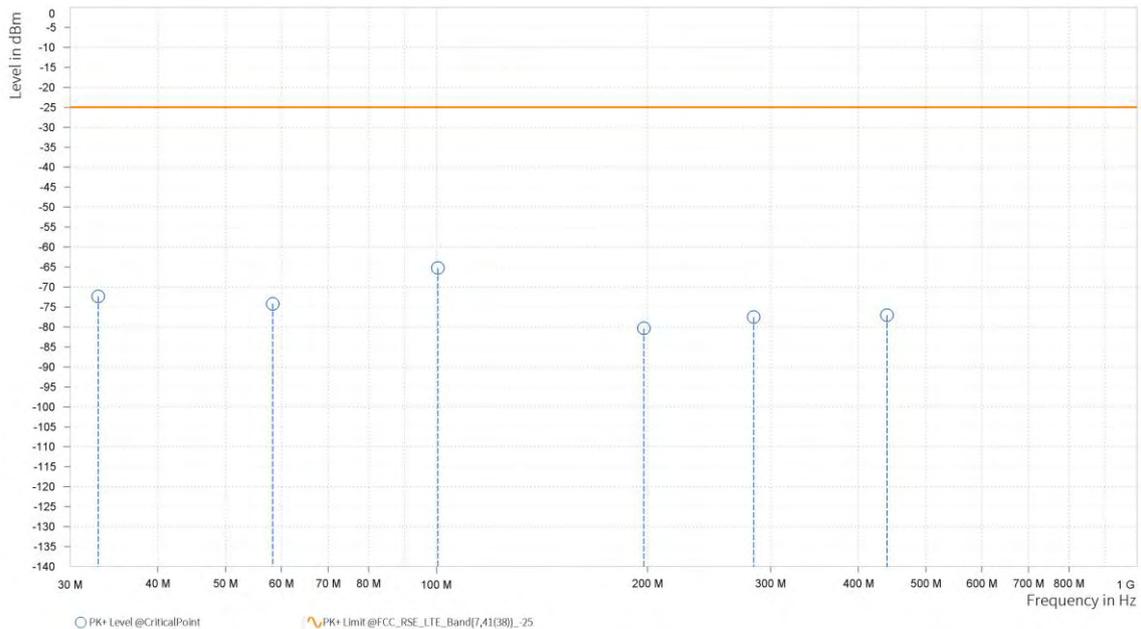




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 39750
			TX channel SCC 39948
<b>FREQUENCY RANGE</b>	30 MHz – 1GHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60HZ	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	32.900	-72.33	-25.00	47.33	-6.56	V	1	1.00
1	58.350	-74.21	-25.00	49.21	-3.35	V	253	2.00
1	100.400	-65.24	-25.00	40.24	3.99	V	2.1	2.00
1	197.750	-80.33	-25.00	55.33	-6.77	V	4.9	1.00
1	283.750	-77.52	-25.00	52.52	-1.32	V	42.7	2.00
1	439.500	-77.04	-25.00	52.04	1.16	V	359	1.00





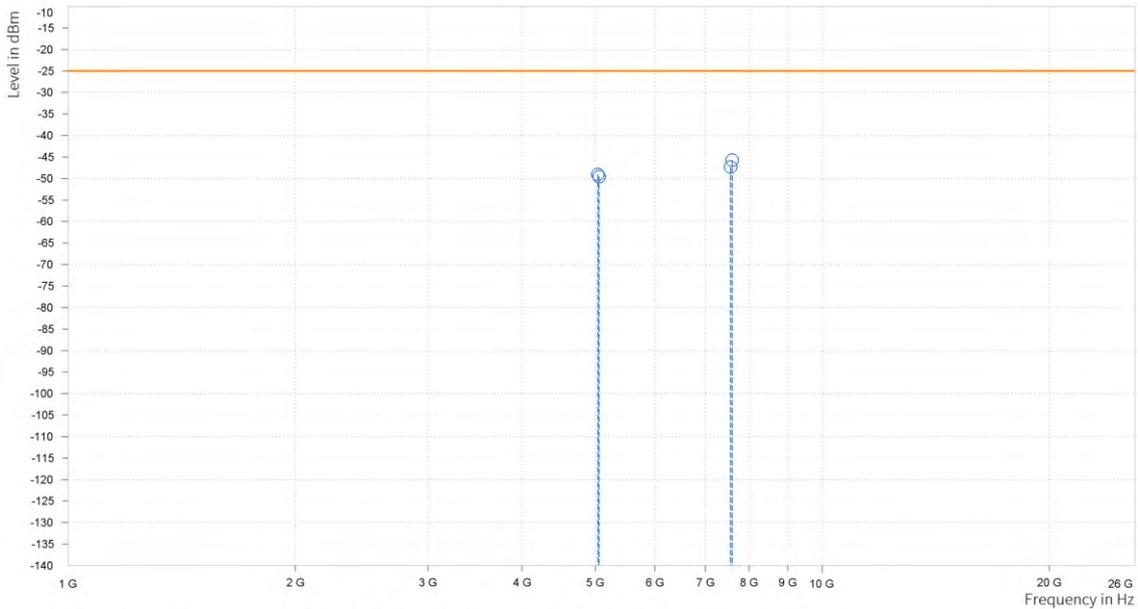
ABOVE 1GHz

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

LTE Band CA_7C			
CHANNEL BANDWIDTH	(10+20) MHz / QPSK	MODE	TX channel PCC 21006
			TX channel SCC 21150
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,042.200	-49.05	-25.00	24.05	23.98	H	1.1	2.00
4	5,062.000	-49.55	-25.00	24.55	23.85	H	1.1	2.00
5	7,563.300	-47.33	-25.00	22.33	27.47	H	346.6	1.00
5	7,593.000	-45.77	-25.00	20.77	27.53	H	234.8	2.00

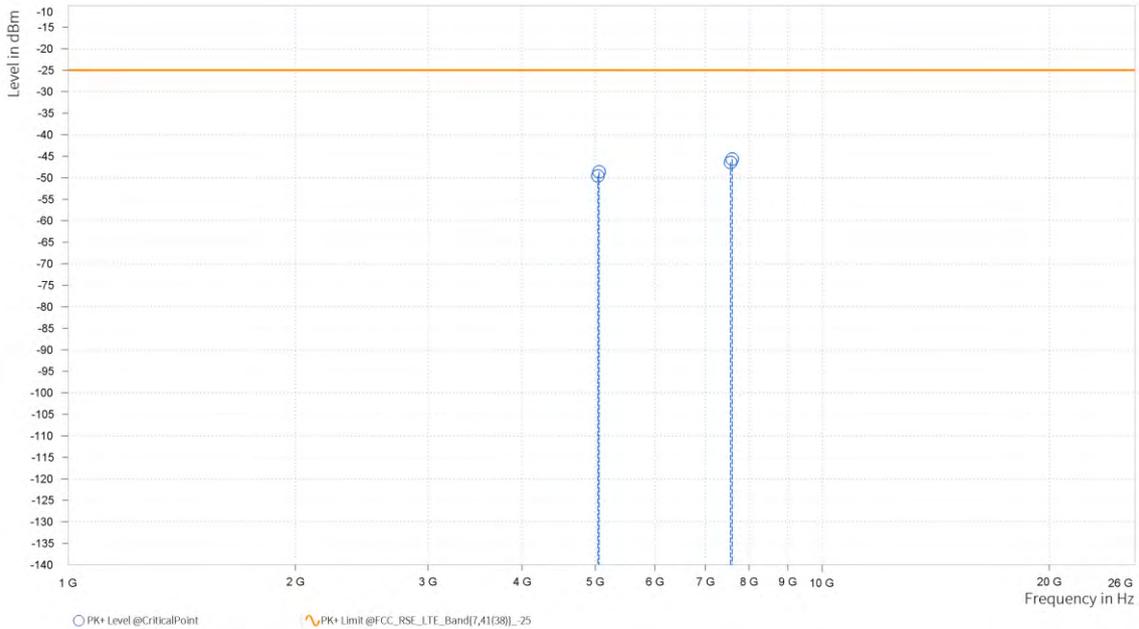




LTE Band CA_7C			
CHANNEL BANDWIDTH	(10+20) MHz / QPSK	MODE	TX channel PCC 21006
			TX channel SCC 21150
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,042.200	-49.55	-25.00	24.55	24.35	V	358.5	1.00
4	5,062.000	-48.64	-25.00	23.64	24.29	V	33.1	2.00
5	7,563.300	-46.43	-25.00	21.43	27.30	V	231.3	2.00
5	7,593.000	-45.64	-25.00	20.64	27.31	V	26.1	2.00

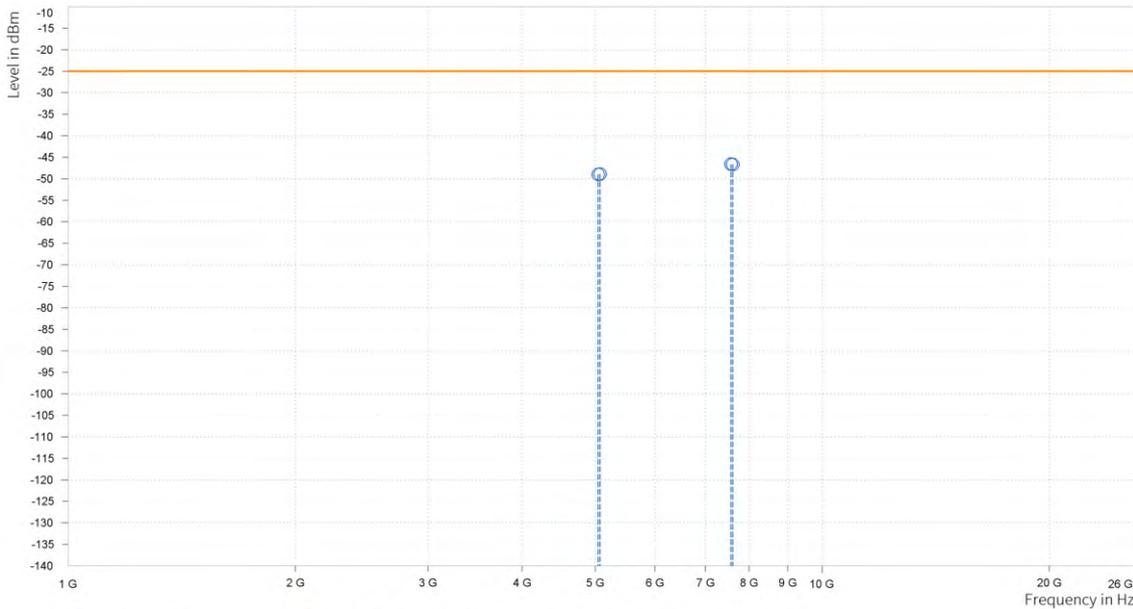




LTE Band CA_7C			
<b>CHANNEL BANDWIDTH</b>	(15+10) MHz / QPSK	<b>MODE</b>	TX channel PCC 21051
			TX channel SCC 21171
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60HZ	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,046.700	-48.98	-25.00	23.98	24.01	H	1	1.00
4	5,075.200	-48.90	-25.00	23.90	23.70	H	201	1.00
5	7,570.050	-46.63	-25.00	21.63	27.47	H	0.9	2.00
5	7,612.800	-46.67	-25.00	21.67	27.65	H	0.9	2.00

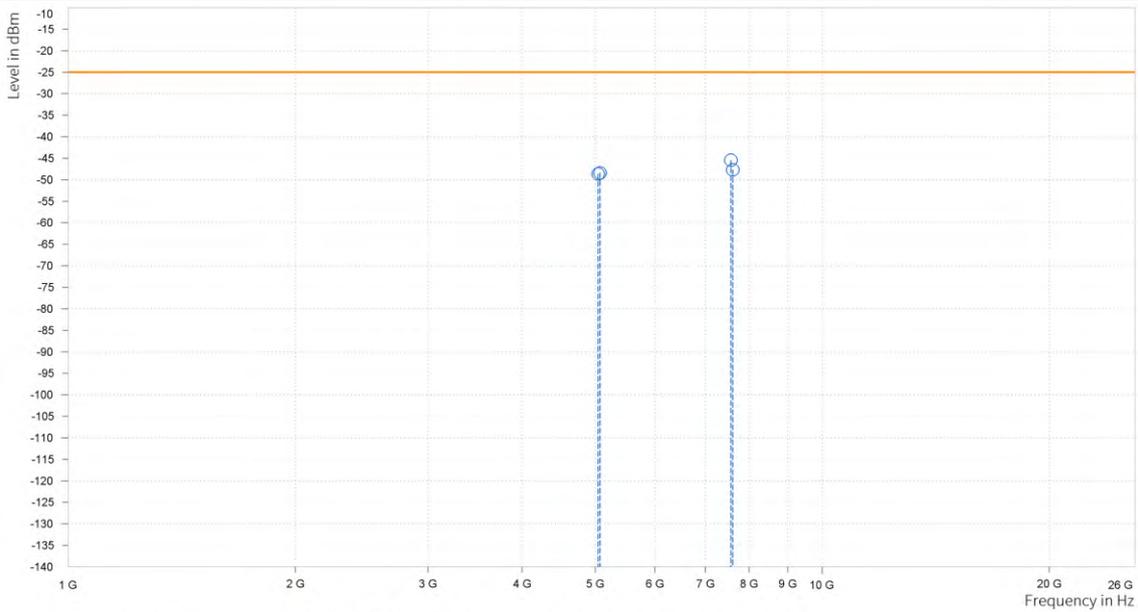




LTE Band CA 7C			
<b>CHANNEL BANDWIDTH</b>	(15+10) MHz / QPSK	<b>MODE</b>	TX channel PCC 21051
			TX channel SCC 21171
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60HZ	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,046.700	-48.63	-25.00	23.63	24.40	V	359.1	1.00
4	5,075.200	-48.38	-25.00	23.38	24.17	V	266.6	1.00
5	7,570.050	-45.47	-25.00	20.47	27.29	V	359.1	1.00
5	7,612.800	-47.66	-25.00	22.66	27.45	V	130.1	1.00

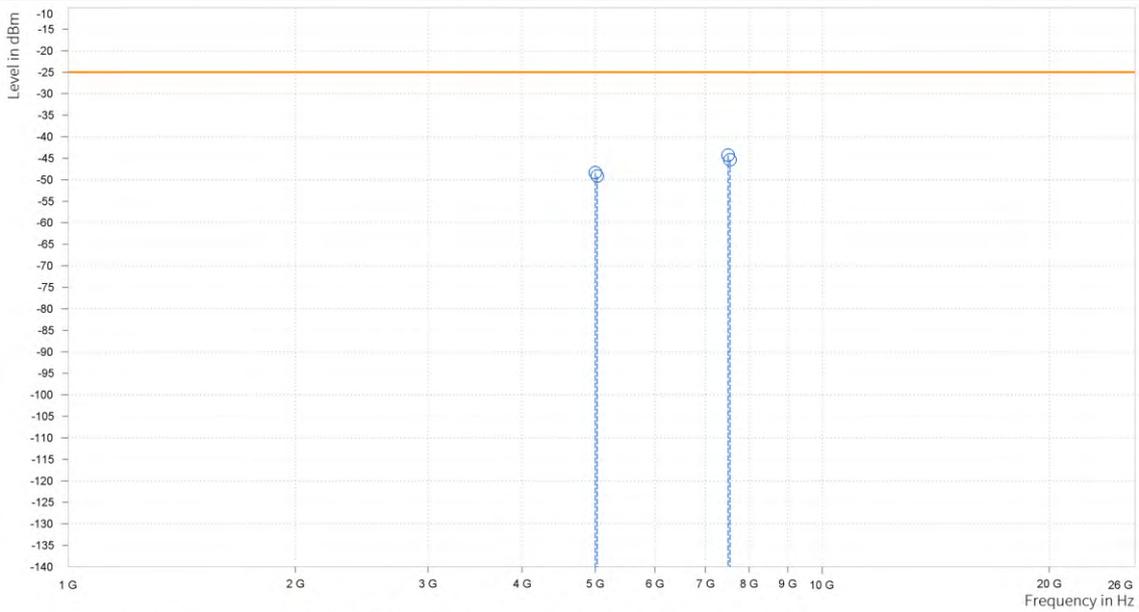




LTE Band CA_7C			
CHANNEL BANDWIDTH	(15+15) MHz / QPSK	MODE	TX channel PCC 20825
			TX channel SCC 20975
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,001.500	-48.35	-25.00	23.35	23.66	H	1	1.00
4	5,031.500	-49.15	-25.00	24.15	23.89	H	91.8	2.00
5	7,502.250	-44.30	-25.00	19.30	27.41	H	127.3	1.00
5	7,547.250	-45.34	-25.00	20.34	27.46	H	359	1.00



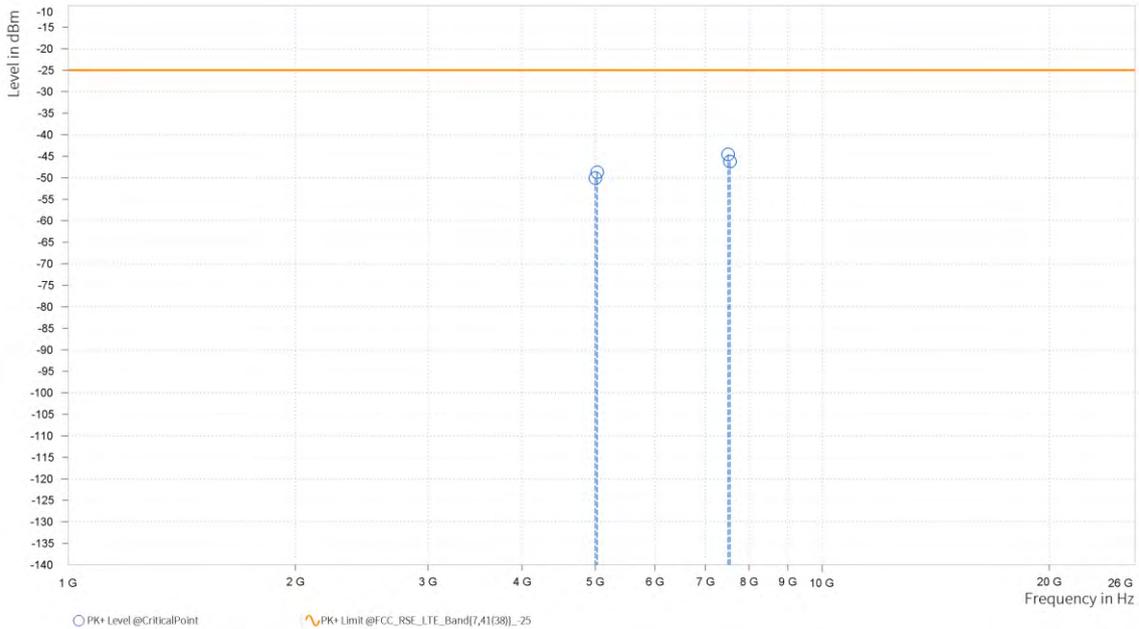
○ PK+ Level @CriticalPoint      ○ PK+ Limit @FCC\_RSE\_LTE\_Band(7,41E38)\_25



LTE Band CA_7C			
<b>CHANNEL BANDWIDTH</b>	(15+15) MHz / QPSK	<b>MODE</b>	TX channel PCC 20825
			TX channel SCC 20975
<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>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,001.500	-50.06	-25.00	25.06	23.87	V	90.4	2.00
4	5,031.500	-48.69	-25.00	23.69	24.23	V	310.6	1.00
5	7,502.250	-44.57	-25.00	19.57	27.39	V	359.1	1.00
5	7,547.250	-46.26	-25.00	21.26	27.33	V	147.1	2.00

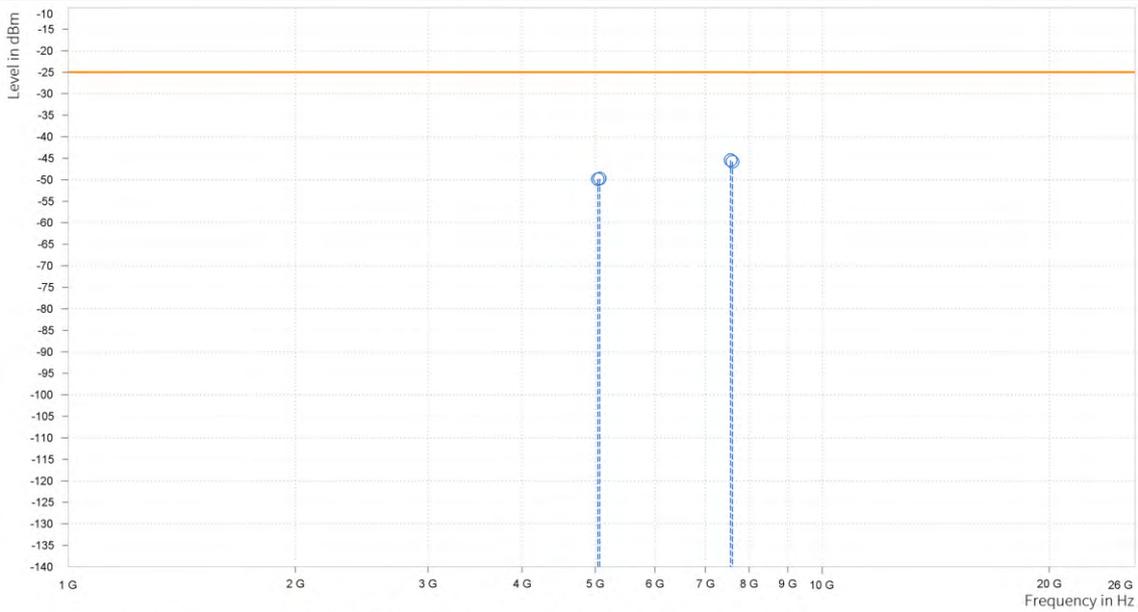




LTE Band CA 7C			
CHANNEL BANDWIDTH	(15+15) MHz / QPSK	MODE	TX channel PCC 21025
			TX channel SCC 21175
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,041.500	-49.85	-25.00	24.85	23.97	H	1	1.00
4	5,071.500	-49.73	-25.00	24.73	23.74	H	297.8	1.00
5	7,562.250	-45.47	-25.00	20.47	27.47	H	1	2.00
5	7,607.250	-45.78	-25.00	20.78	27.61	H	138.6	2.00

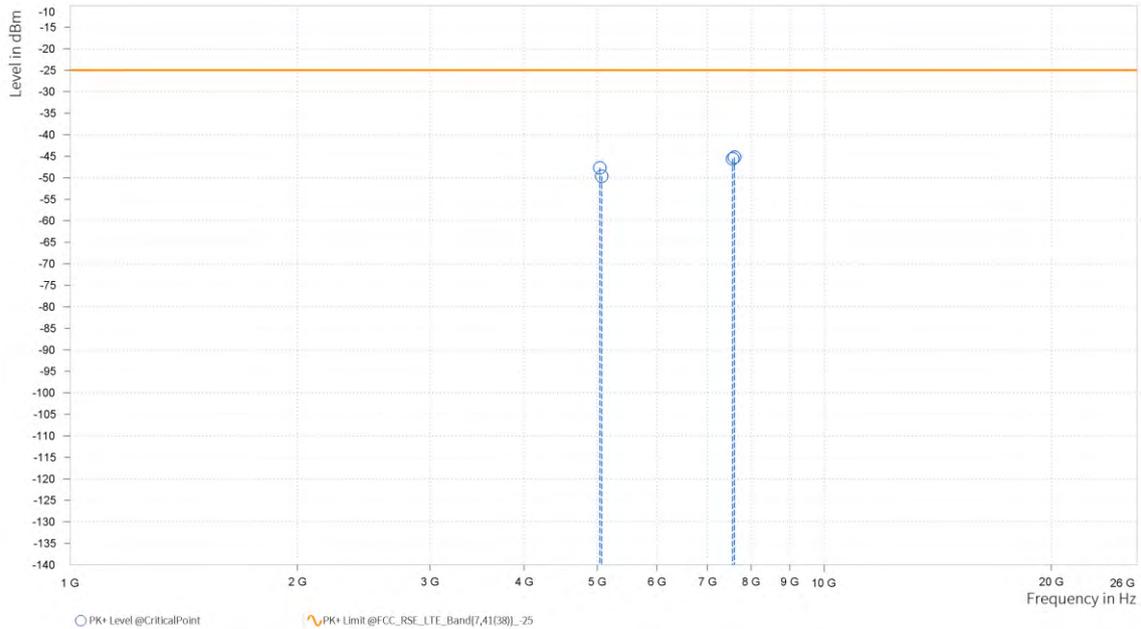




LTE Band CA_7C			
<b>CHANNEL BANDWIDTH</b>	(15+15) MHz / QPSK	<b>MODE</b>	TX channel PCC 21025
			TX channel SCC 21175
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60HZ	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,041.500	-47.66	-25.00	22.66	24.34	V	290.1	1.00
4	5,071.500	-49.63	-25.00	24.63	24.21	V	359	2.00
5	7,562.250	-45.56	-25.00	20.56	27.30	V	134.4	1.00
5	7,607.250	-45.26	-25.00	20.26	27.41	V	298.6	1.00

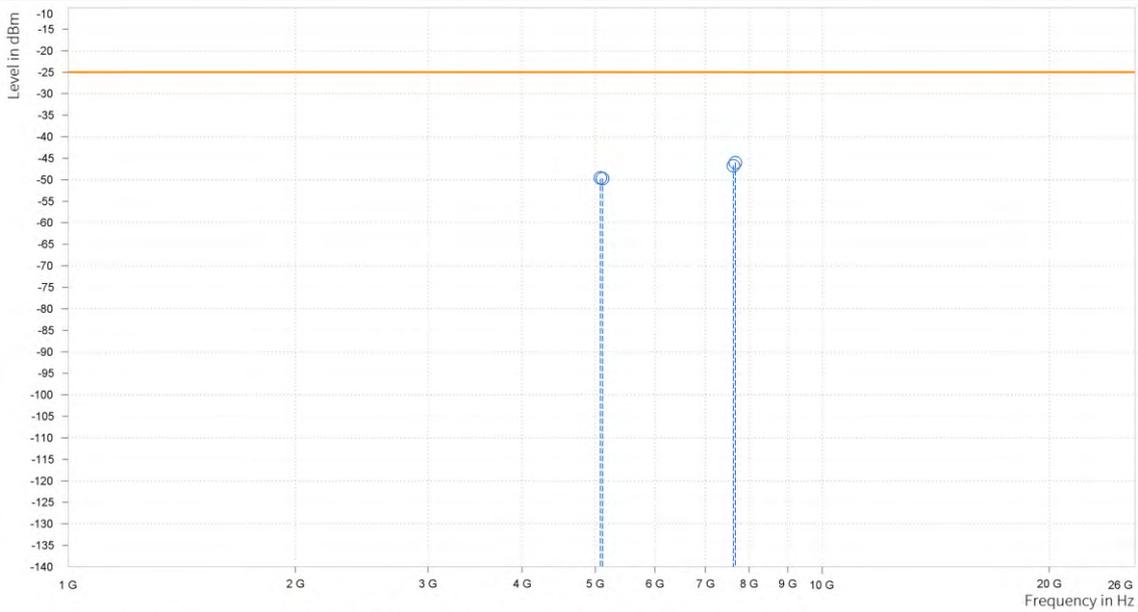




LTE Band CA 7C			
CHANNEL BANDWIDTH	(15+15) MHz / QPSK	MODE	TX channel PCC 21225
			TX channel SCC 21375
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60HZ	TESTED BY	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,081.500	-49.61	-25.00	24.61	23.62	H	97.5	1.00
4	5,111.500	-49.70	-25.00	24.70	23.47	H	0.9	2.00
5	7,622.250	-46.73	-25.00	21.73	27.70	H	0.9	2.00
5	7,667.250	-45.99	-25.00	20.99	27.95	H	341	1.00

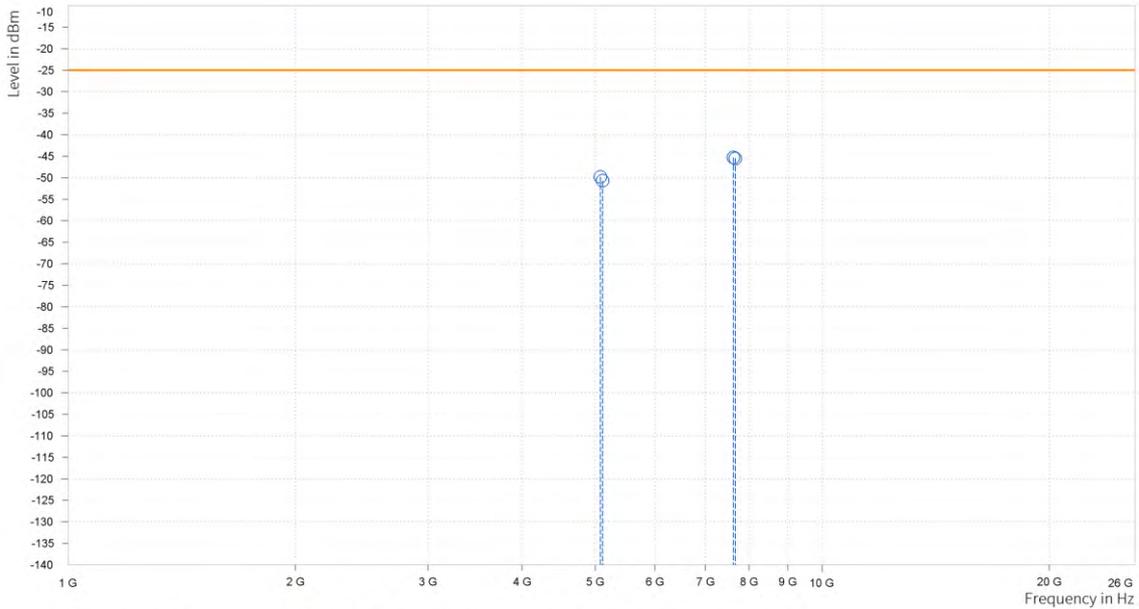




LTE Band CA_7C			
CHANNEL BANDWIDTH	(15+15) MHz / QPSK	MODE	TX channel PCC 21225
			TX channel SCC 21375
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,081.500	-49.79	-25.00	24.79	24.12	V	57.9	2.00
4	5,111.500	-50.69	-25.00	25.69	23.93	V	359.1	1.00
5	7,622.250	-45.27	-25.00	20.27	27.51	V	131.5	1.00
5	7,667.250	-45.49	-25.00	20.49	27.80	V	294.2	1.00

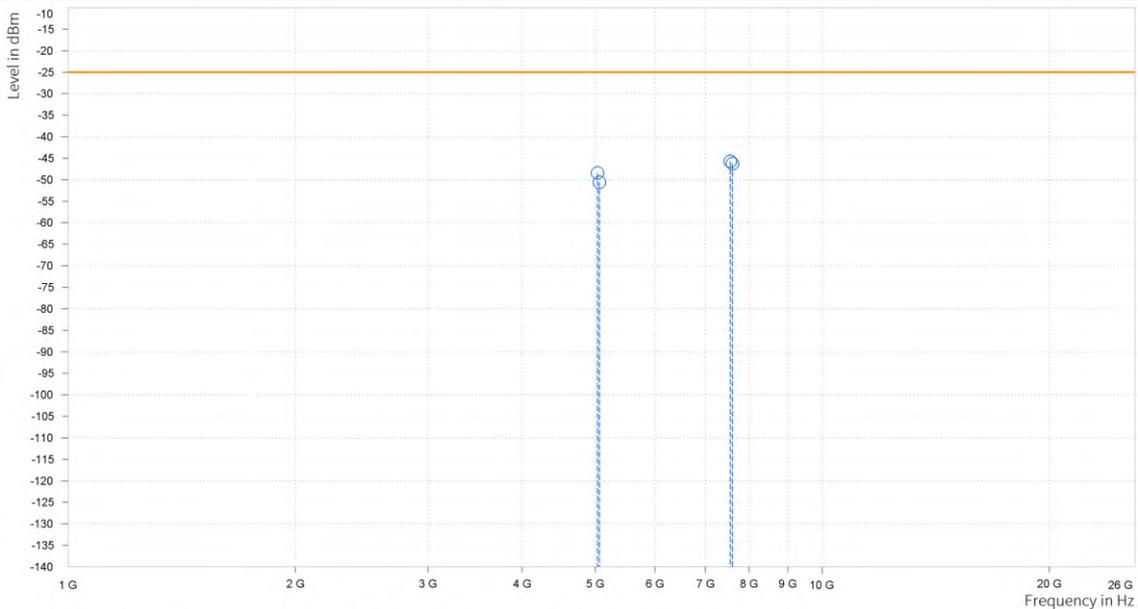




LTE Band CA 7C			
<b>CHANNEL BANDWIDTH</b>	(15+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 21003
			TX channel SCC 21174
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60HZ	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,037.100	-48.44	-25.00	23.44	23.94	H	334.6	1.00
4	5,066.800	-50.56	-25.00	25.56	23.79	H	359	2.00
5	7,555.650	-45.74	-25.00	20.74	27.46	H	280.1	1.00
5	7,600.200	-46.27	-25.00	21.27	27.57	H	229.8	2.00



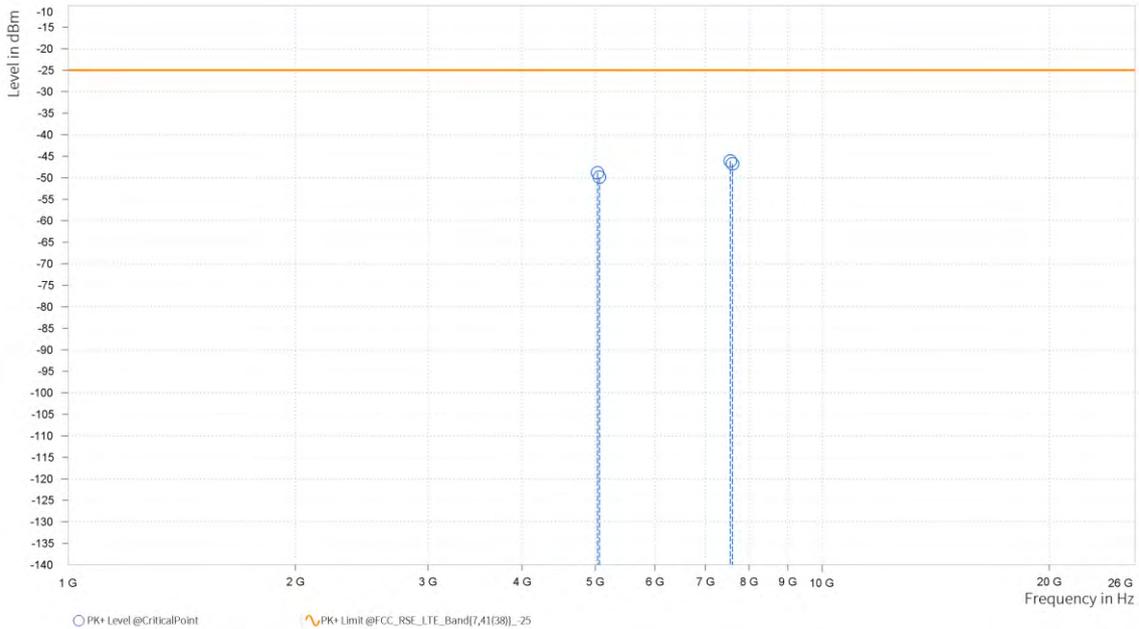
○ PK+ Level @CriticalPoint      ▽ PK+ Limit @FCC\_RSE\_LTE\_Band(7,41E38)\_25



LTE Band CA_7C			
<b>CHANNEL BANDWIDTH</b>	(15+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 21003
			TX channel SCC 21174
<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>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,037.100	-48.88	-25.00	23.88	24.29	V	359	2.00
4	5,066.800	-49.89	-25.00	24.89	24.25	V	359	2.00
5	7,555.650	-46.12	-25.00	21.12	27.31	V	129.4	1.00
5	7,600.200	-46.75	-25.00	21.75	27.36	V	212.9	1.00

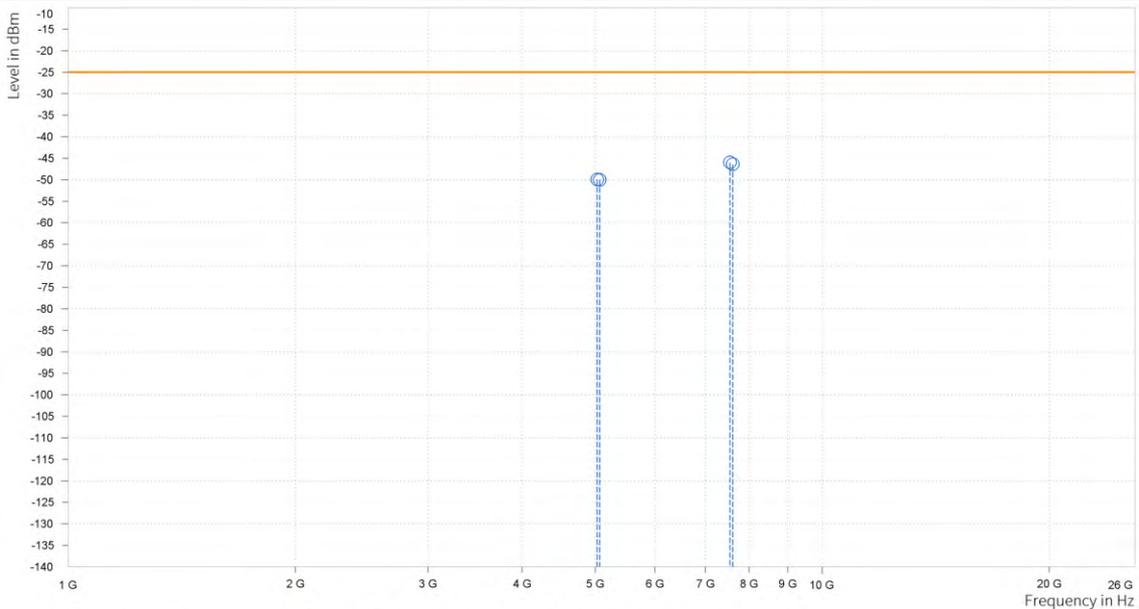




LTE Band CA 7C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 21001
			TX channel SCC 21199
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60HZ	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,032.200	-49.91	-25.00	24.91	23.90	H	359	2.00
4	5,071.800	-50.01	-25.00	25.01	23.73	H	1	1.00
5	7,548.300	-45.95	-25.00	20.95	27.46	H	128	1.00
5	7,607.700	-46.40	-25.00	21.40	27.61	H	359	2.00



○ PK+ Level @CriticalPoint

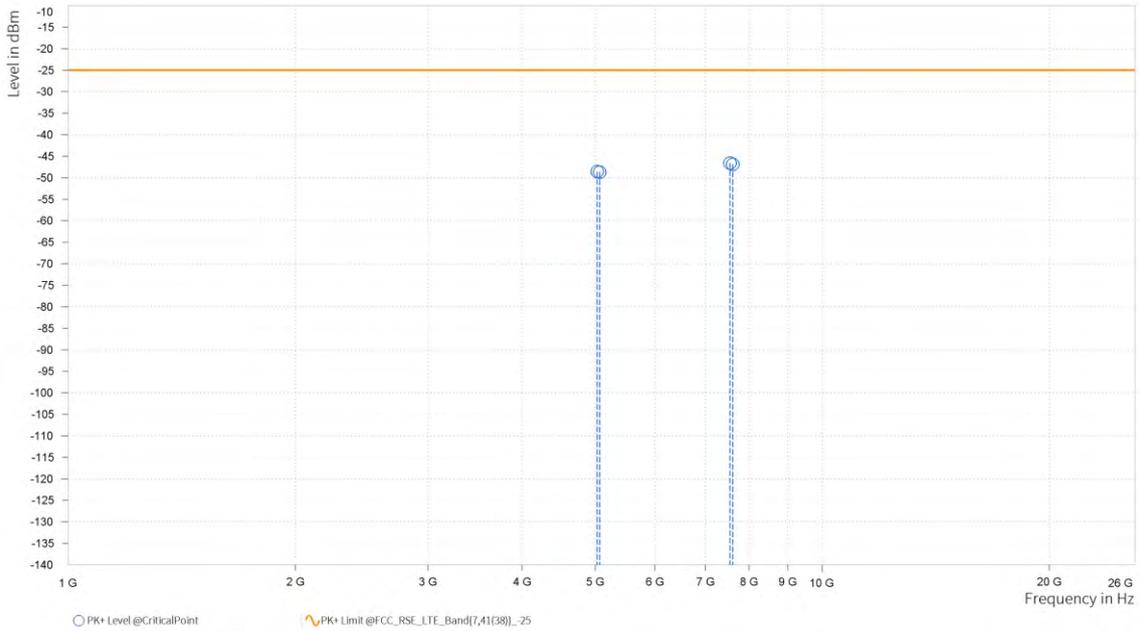
∨ PK+ Limit @FCC\_RSE\_LTE\_Band(7,41E38)\_25



LTE Band CA_7C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 21001
			TX channel SCC 21199
<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>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,032.200	-48.59	-25.00	23.59	24.23	V	338.2	1.00
4	5,071.800	-48.68	-25.00	23.68	24.20	V	359	2.00
5	7,548.300	-46.58	-25.00	21.58	27.33	V	359	2.00
5	7,607.700	-46.87	-25.00	21.87	27.41	V	359	1.00

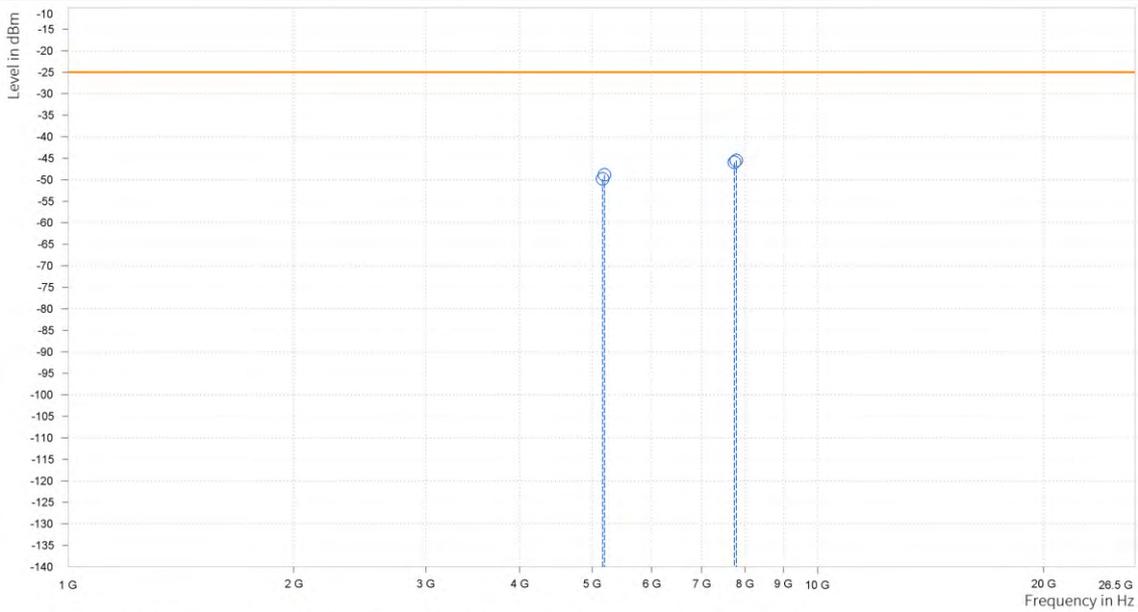




LTE Band CA_38C			
CHANNEL BANDWIDTH	(15+15) MHz / QPSK	MODE	TX channel PCC 37925
			TX channel SCC 38075
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,161.500	-49.83	-25.00	24.83	23.69	H	275.9	1.00
4	5,191.500	-48.88	-25.00	23.88	23.81	H	275.9	1.00
5	7,742.250	-45.95	-25.00	20.95	28.21	H	1	1.00
5	7,787.250	-45.49	-25.00	20.49	28.03	H	141.4	2.00

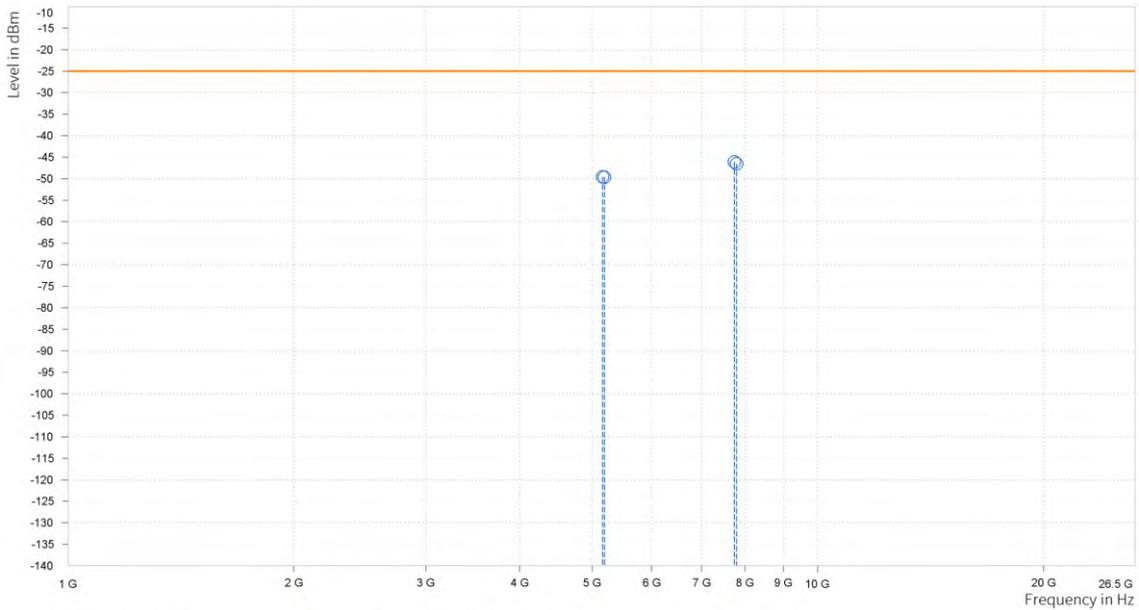




LTE Band CA_38C			
<b>CHANNEL BANDWIDTH</b>	(15+15) MHz / QPSK	<b>MODE</b>	TX channel PCC 37925
			TX channel SCC 38075
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,161.500	-49.56	-25.00	24.56	23.99	V	261	1.00
4	5,191.500	-49.62	-25.00	24.62	24.35	V	142.8	2.00
5	7,742.250	-46.07	-25.00	21.07	27.93	V	1	1.00
5	7,788.000	-46.50	-25.00	21.50	27.83	V	1	2.00

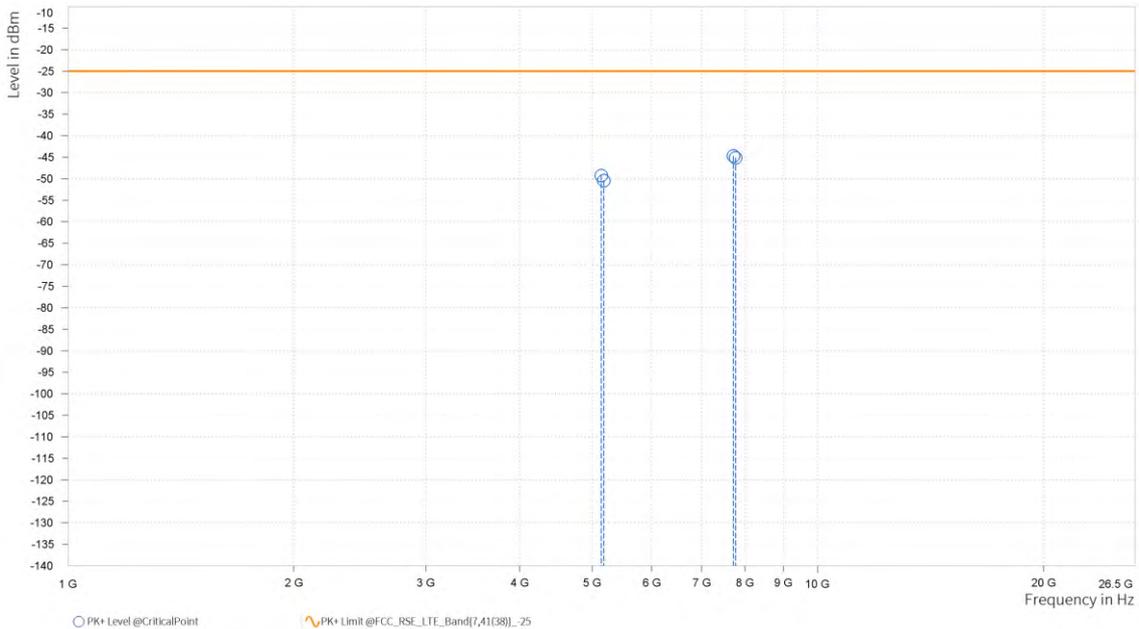




LTE Band CA_38C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 37850
			TX channel SCC 38048
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,142.000	-49.28	-25.00	24.28	23.61	H	149.8	2.00
4	5,181.600	-50.45	-25.00	25.45	23.77	H	359	2.00
5	7,713.000	-44.69	-25.00	19.69	28.12	H	359	1.00
5	7,772.400	-45.12	-25.00	20.12	28.09	H	0.9	2.00

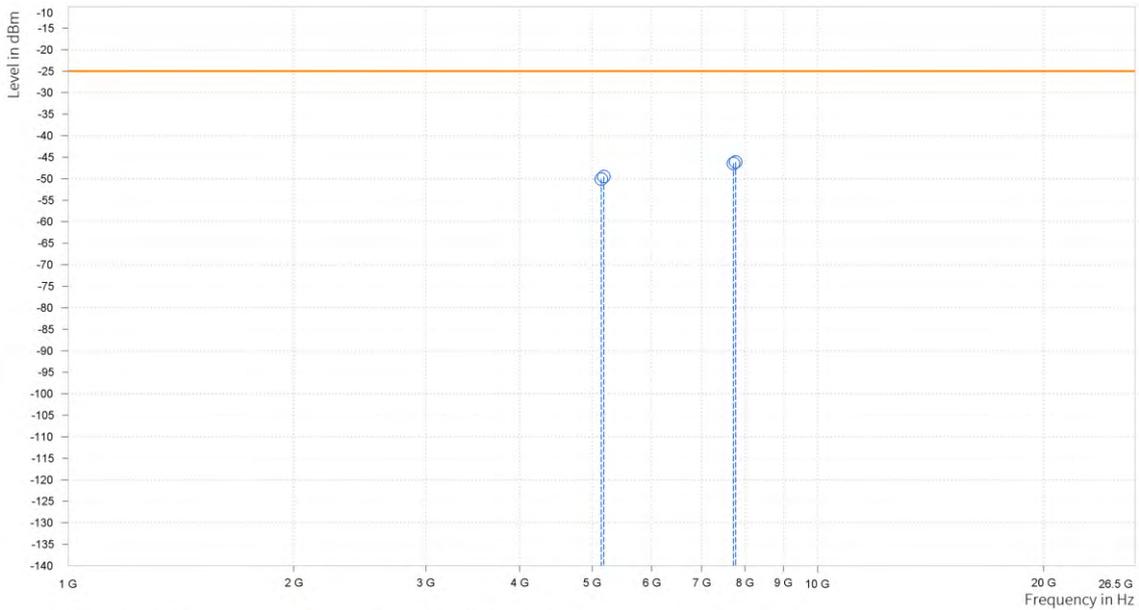




LTE Band CA_38C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 37850
			TX channel SCC 38048
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,142.000	-50.09	-25.00	25.09	23.86	V	100.4	1.00
4	5,181.600	-49.54	-25.00	24.54	24.23	V	1	1.00
5	7,713.000	-46.43	-25.00	21.43	27.88	V	135	1.00
5	7,772.400	-46.13	-25.00	21.13	27.86	V	1	1.00

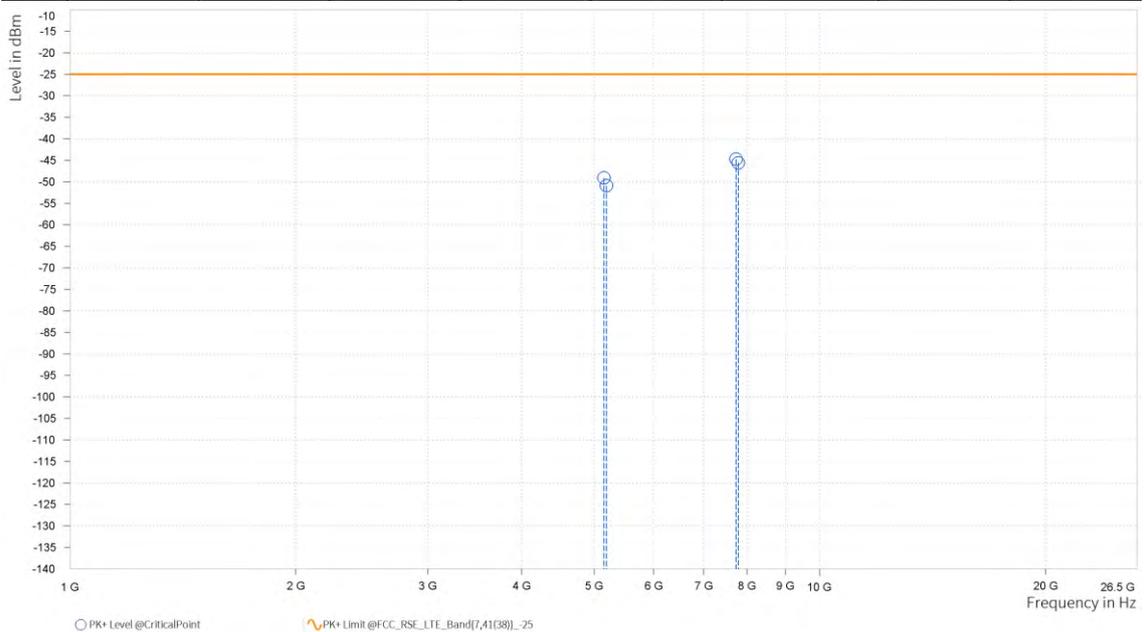




LTE Band CA_38C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 37901
			TX channel SCC 38099
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,152.200	-49.11	-25.00	24.11	23.65	H	1	2.00
4	5,191.800	-50.90	-25.00	25.90	23.81	H	273.1	1.00
5	7,728.300	-44.74	-25.00	19.74	28.19	H	79.8	2.00
5	7,787.700	-45.55	-25.00	20.55	28.03	H	144.2	2.00

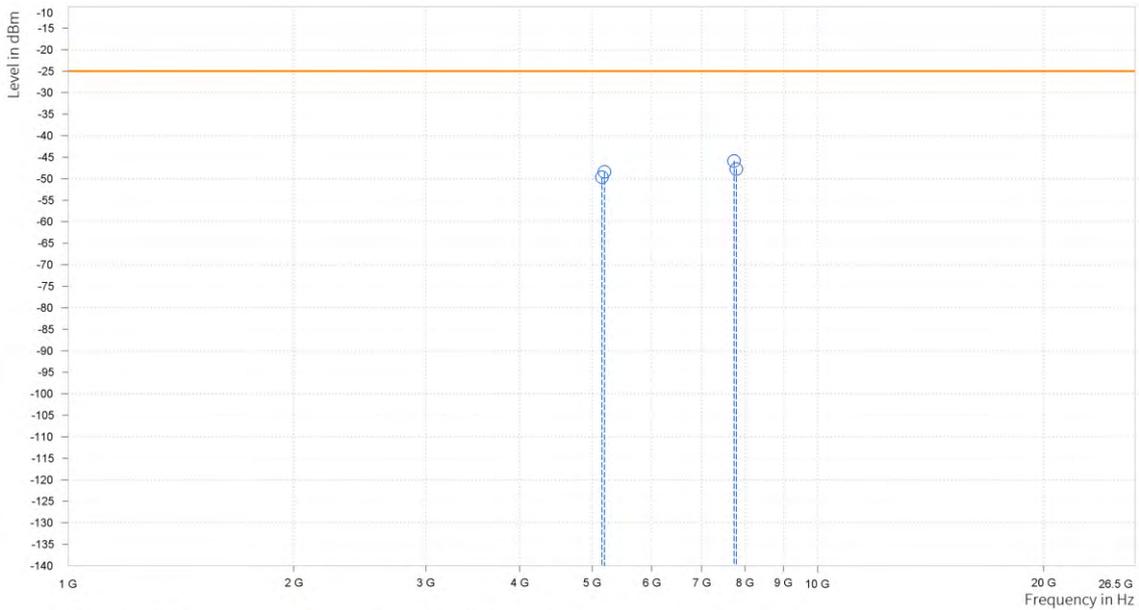




LTE Band CA_38C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	MODE	TX channel PCC 37901
			TX channel SCC 38099
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,152.200	-49.63	-25.00	24.63	23.87	V	99.7	1.00
4	5,191.800	-48.43	-25.00	23.43	24.36	V	273.1	1.00
5	7,728.300	-45.87	-25.00	20.87	27.92	V	1	2.00
5	7,787.700	-47.73	-25.00	22.73	27.83	V	1	2.00

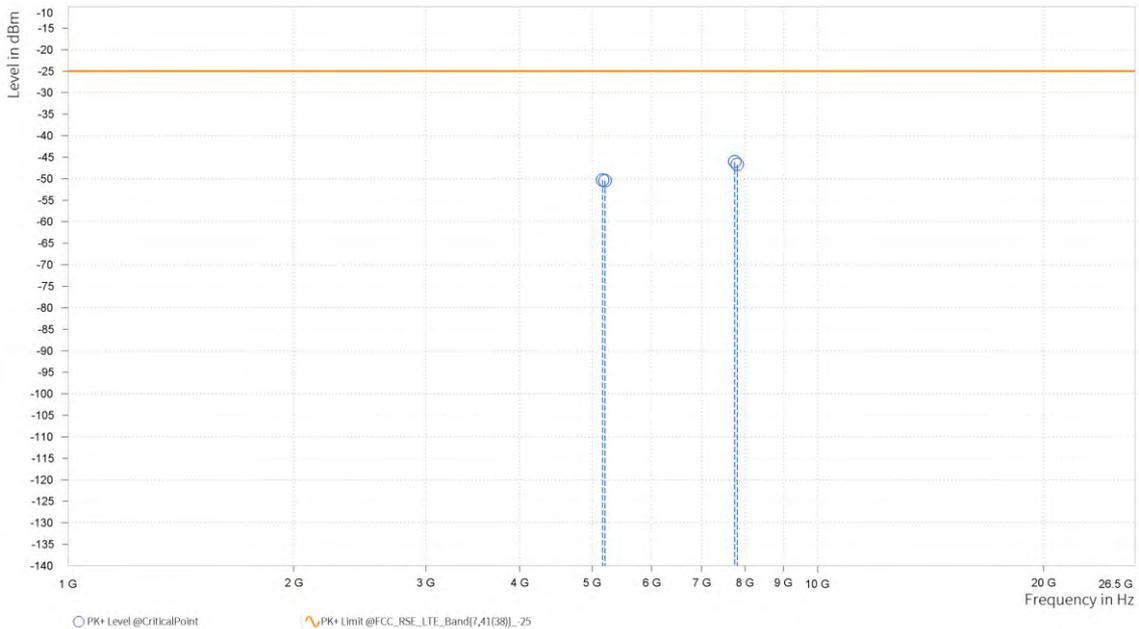




LTE Band CA_38C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	MODE	TX channel PCC 37952
			TX channel SCC 38150
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,162.400	-50.28	-25.00	25.28	23.69	H	148.5	2.00
4	5,202.000	-50.42	-25.00	25.42	23.86	H	211.5	1.00
5	7,743.600	-46.03	-25.00	21.03	28.20	H	359	2.00
5	7,803.000	-46.69	-25.00	21.69	27.97	H	1	1.00

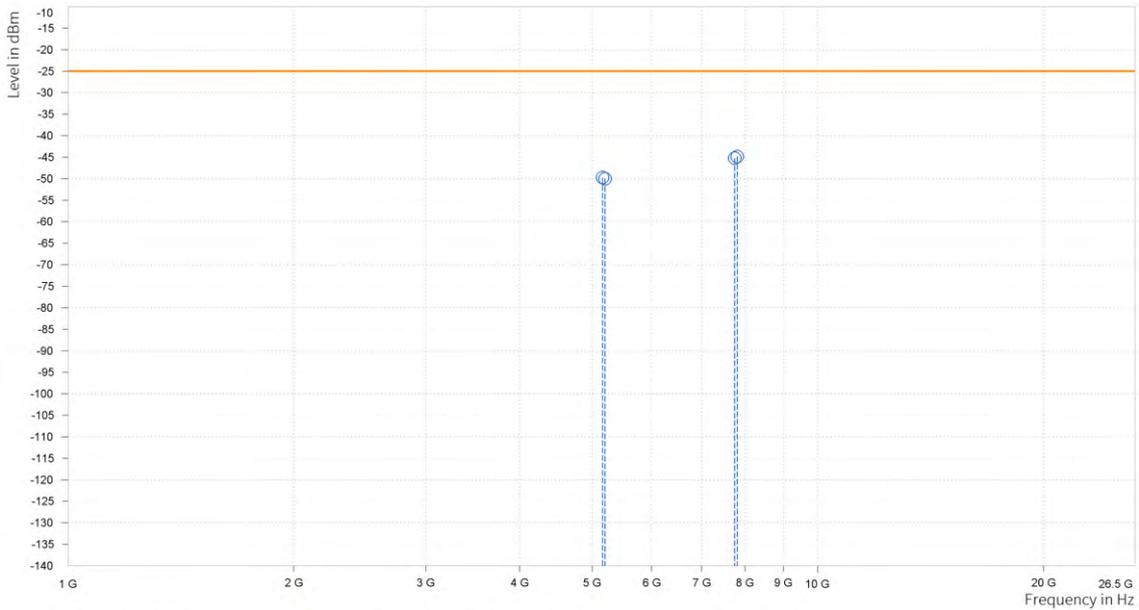




LTE Band CA_38C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 37952
			TX channel SCC 38150
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,162.400	-49.74	-25.00	24.74	24.00	V	1	1.00
4	5,202.000	-50.00	-25.00	25.00	24.48	V	359	2.00
5	7,743.600	-45.19	-25.00	20.19	27.92	V	359	2.00
5	7,803.000	-44.85	-25.00	19.85	27.80	V	12.6	2.00

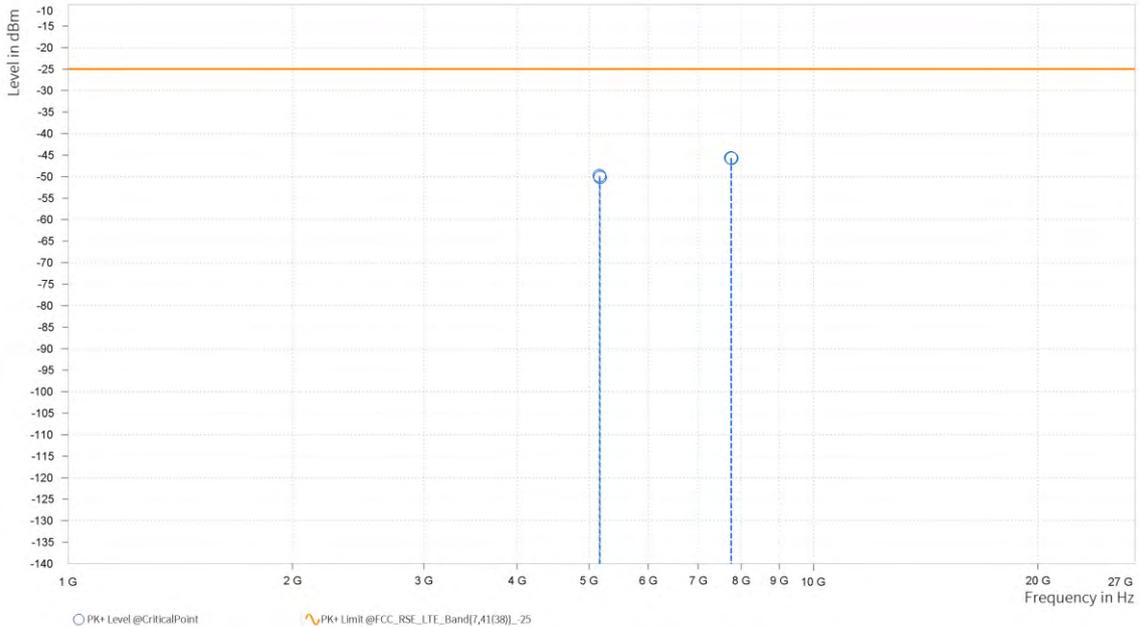




LTE Band CA_41C			
CHANNEL BANDWIDTH	(5+20) MHz / QPSK	MODE	TX channel PCC 40528
			TX channel SCC 40645
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,163.100	-49.80	-25.00	24.80	23.70	H	1	1.00
4	5,173.000	-50.16	-25.00	25.16	23.74	H	217.1	1.00
5	7,744.650	-45.63	-25.00	20.63	28.20	H	1	1.00
5	7,759.500	-45.72	-25.00	20.72	28.14	H	359.1	1.00

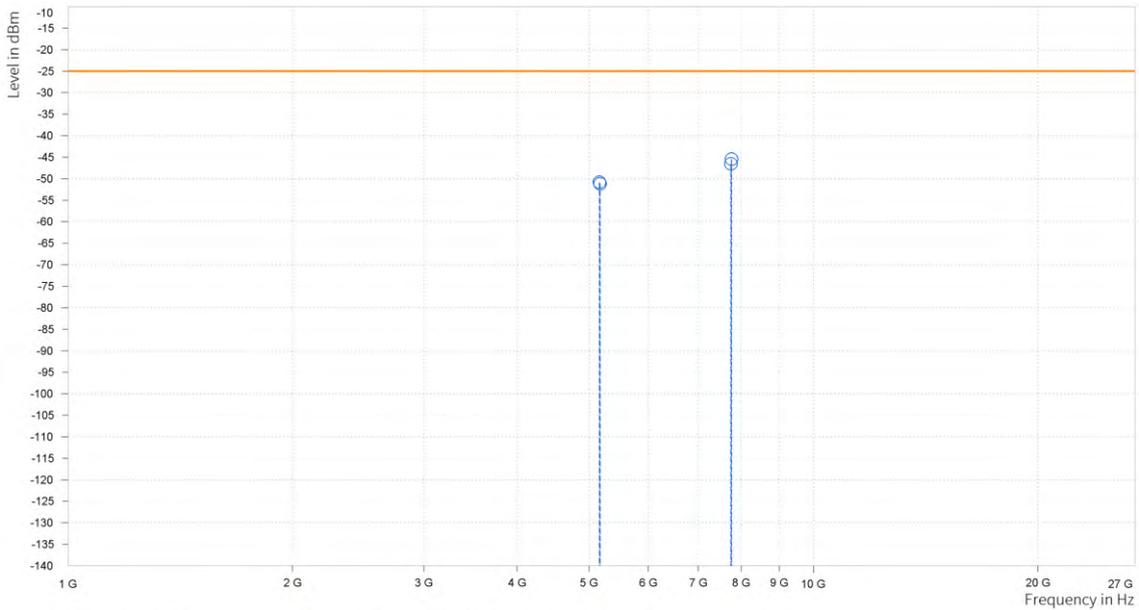




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(5+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 40528
			TX channel SCC 40645
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,163.100	-50.82	-25.00	25.82	24.01	V	359.1	1.00
4	5,173.000	-51.17	-25.00	26.17	24.13	V	129.4	1.00
5	7,744.650	-46.55	-25.00	21.55	27.92	V	359.1	1.00
5	7,759.500	-45.47	-25.00	20.47	27.89	V	253.9	1.00

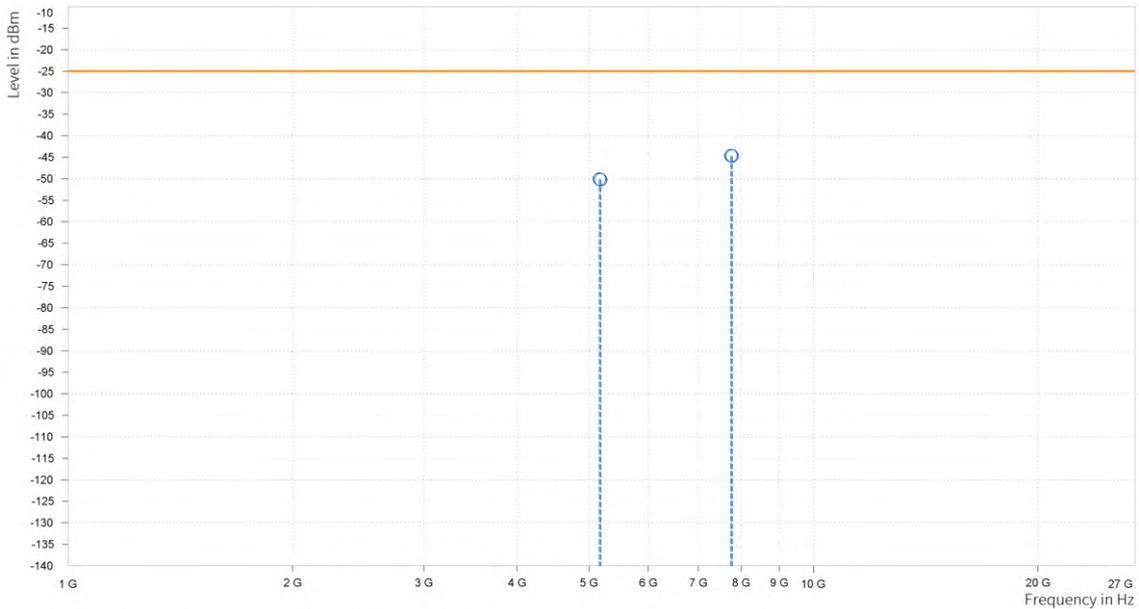




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(10+15) MHz / QPSK	<b>MODE</b>	TX channel PCC 40549
			TX channel SCC 40669
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,162.800	-50.09	-25.00	25.09	23.70	H	359	1.00
4	5,182.300	-50.21	-25.00	25.21	23.78	H	359	2.00
5	7,744.200	-44.68	-25.00	19.68	28.20	H	1	1.00
5	7,773.450	-44.73	-25.00	19.73	28.08	H	125.9	1.00

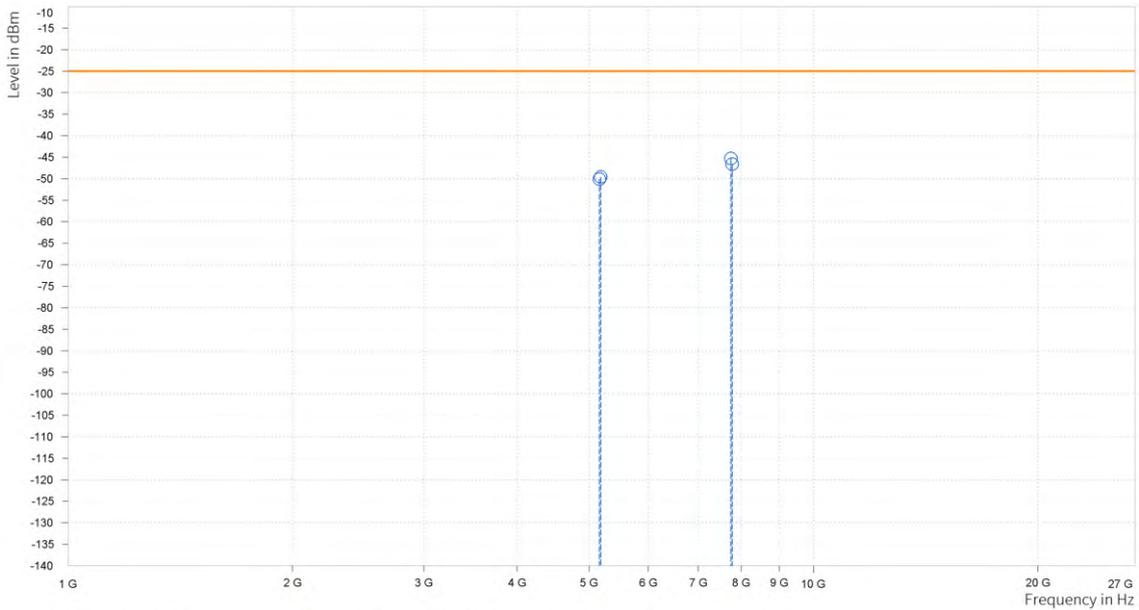




LTE Band CA_41C			
CHANNEL BANDWIDTH	(10+15) MHz / QPSK	MODE	TX channel PCC 40549
			TX channel SCC 40669
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,162.800	-50.05	-25.00	25.05	24.01	V	77	2.00
4	5,182.300	-49.59	-25.00	24.59	24.24	V	262.4	2.00
5	7,744.200	-45.31	-25.00	20.31	27.92	V	2.5	2.00
5	7,773.450	-46.57	-25.00	21.57	27.86	V	68.5	2.00

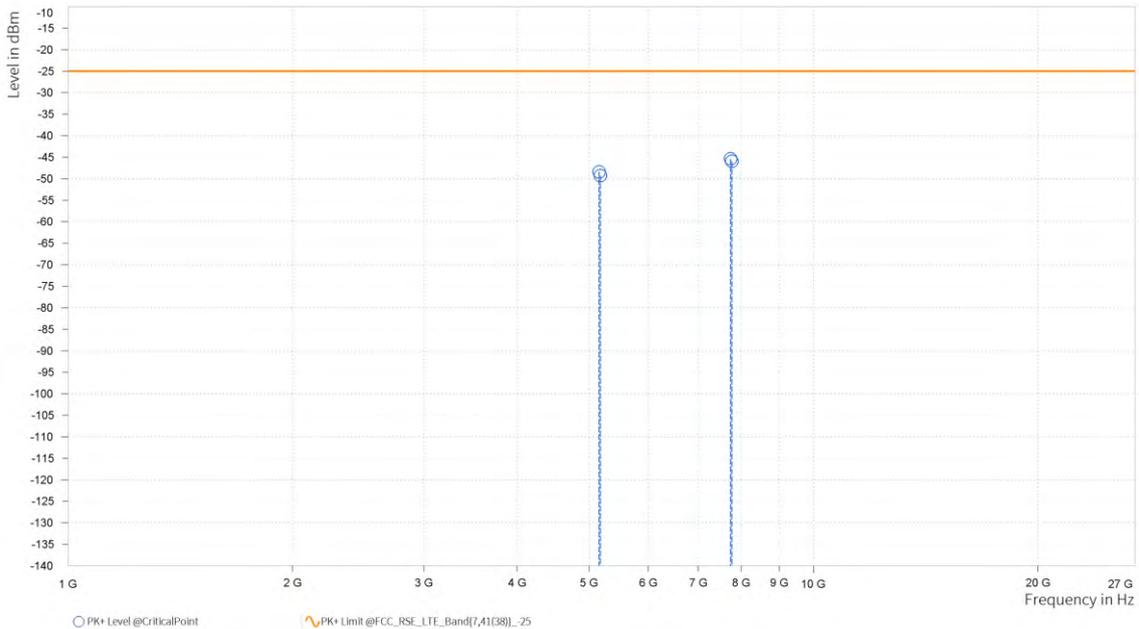




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(10+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 40526
			TX channel SCC 40670
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,158.200	-50.27	-25.00	25.27	23.68	H	0.9	2.00
4	5,178.000	-49.74	-25.00	24.74	23.76	H	11.2	2.00
5	7,737.300	-45.77	-25.00	20.77	28.22	H	288.4	1.00
5	7,767.000	-45.86	-25.00	20.86	28.11	H	359	2.00

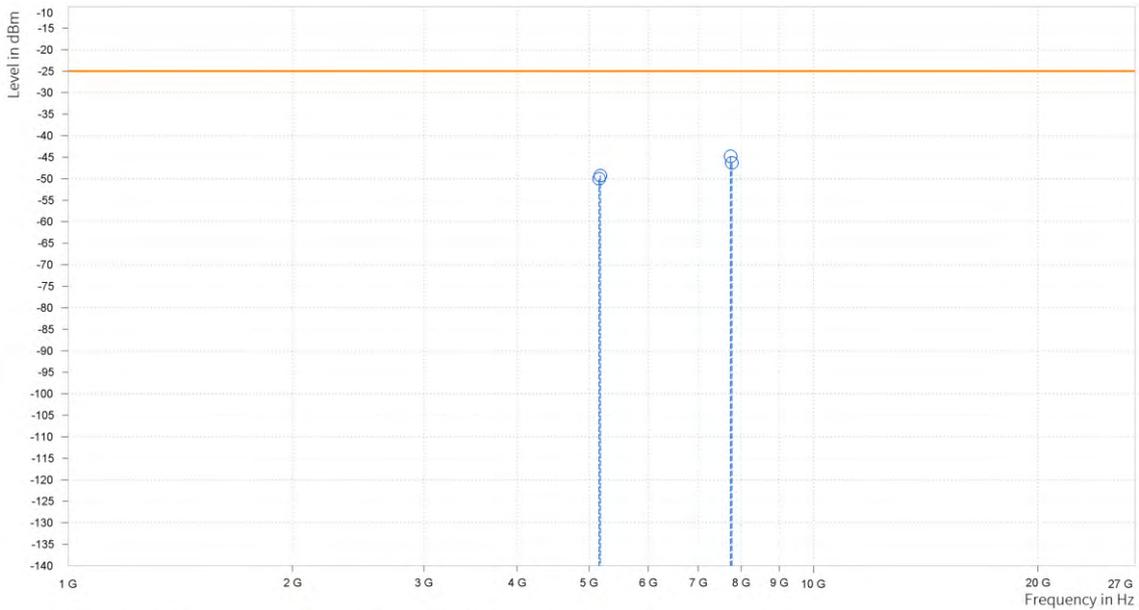




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(10+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 40526
			TX channel SCC 40670
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,158.200	-50.05	-25.00	25.05	23.95	V	359.1	1.00
4	5,178.000	-49.26	-25.00	24.26	24.19	V	264.6	2.00
5	7,737.300	-44.77	-25.00	19.77	27.93	V	311.9	1.00
5	7,767.000	-46.32	-25.00	21.32	27.87	V	232.6	1.00

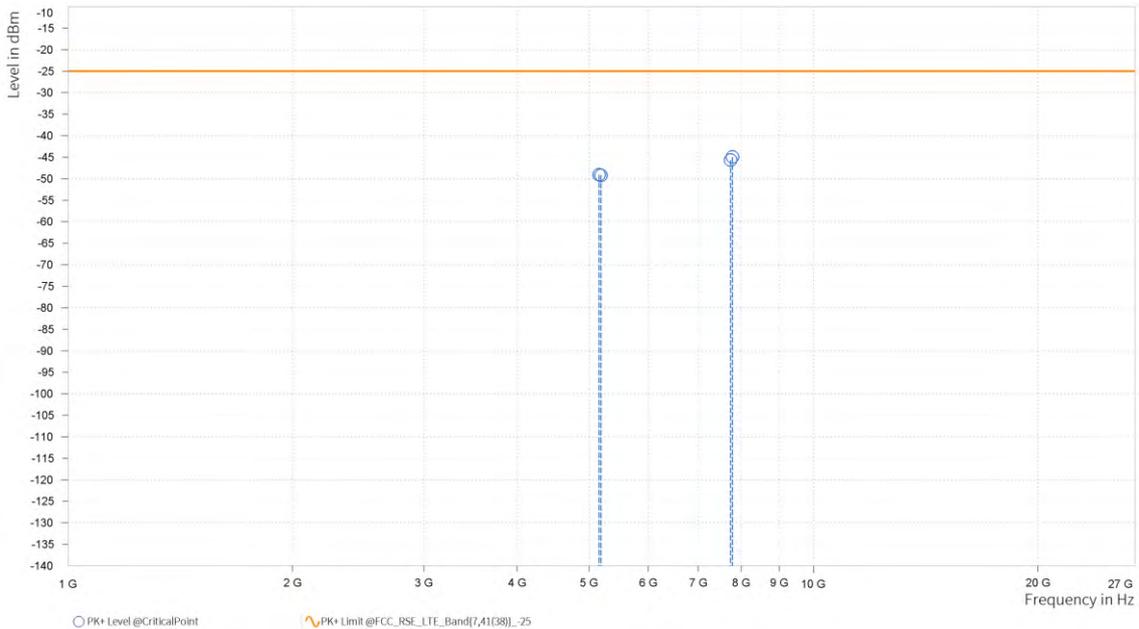




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(15+15) MHz / QPSK	<b>MODE</b>	TX channel PCC 40545
			TX channel SCC 40695
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,157.500	-49.09	-25.00	24.09	23.67	H	144.2	2.00
4	5,187.500	-49.20	-25.00	24.20	23.80	H	0.9	2.00
5	7,736.250	-45.68	-25.00	20.68	28.22	H	127.3	1.00
5	7,781.250	-44.95	-25.00	19.95	28.05	H	63.5	2.00

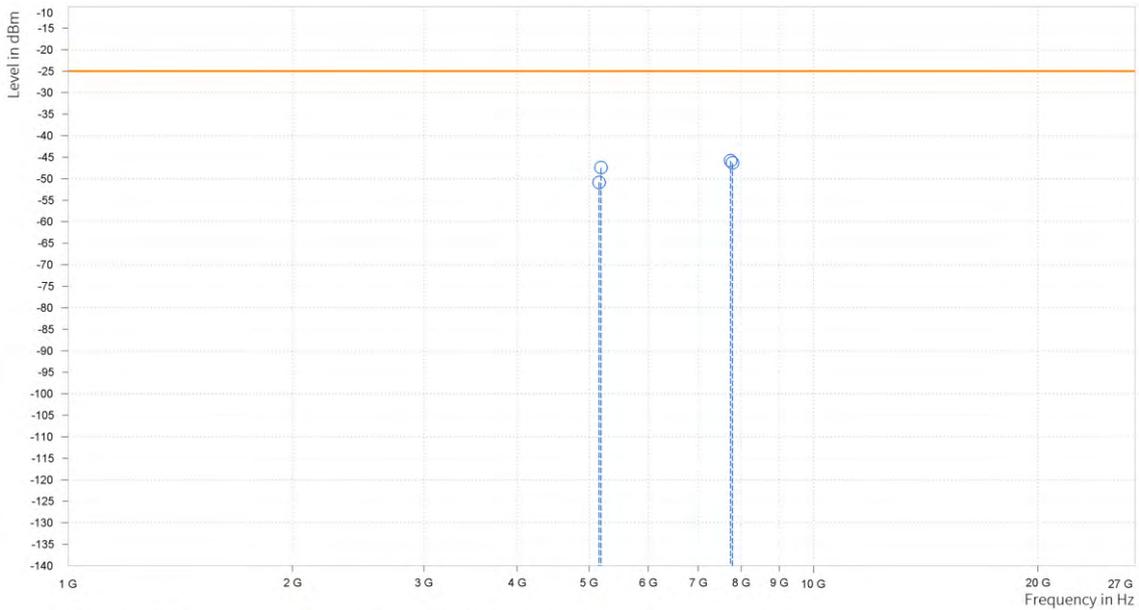




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(15+15) MHz / QPSK	<b>MODE</b>	TX channel PCC 40545
			TX channel SCC 40695
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,157.500	-50.86	-25.00	25.86	23.94	V	130.9	2.00
4	5,187.500	-47.43	-25.00	22.43	24.30	V	0.9	2.00
5	7,736.250	-45.82	-25.00	20.82	27.93	V	290.1	1.00
5	7,781.250	-46.33	-25.00	21.33	27.84	V	220	2.00

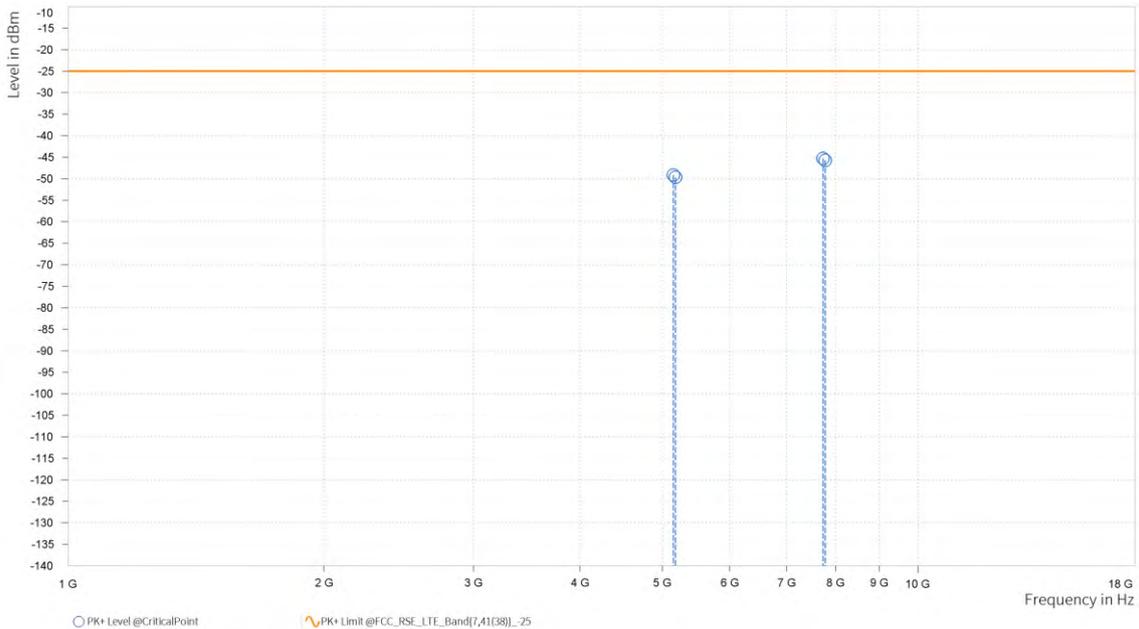




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(15+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 40523
			TX channel SCC 40694
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,153.100	-49.15	-25.00	24.15	23.65	H	0.9	2.00
4	5,182.800	-49.68	-25.00	24.68	23.78	H	209.3	1.00
5	7,729.650	-45.26	-25.00	20.26	28.19	H	359	1.00
5	7,774.200	-45.70	-25.00	20.70	28.08	H	139.3	2.00

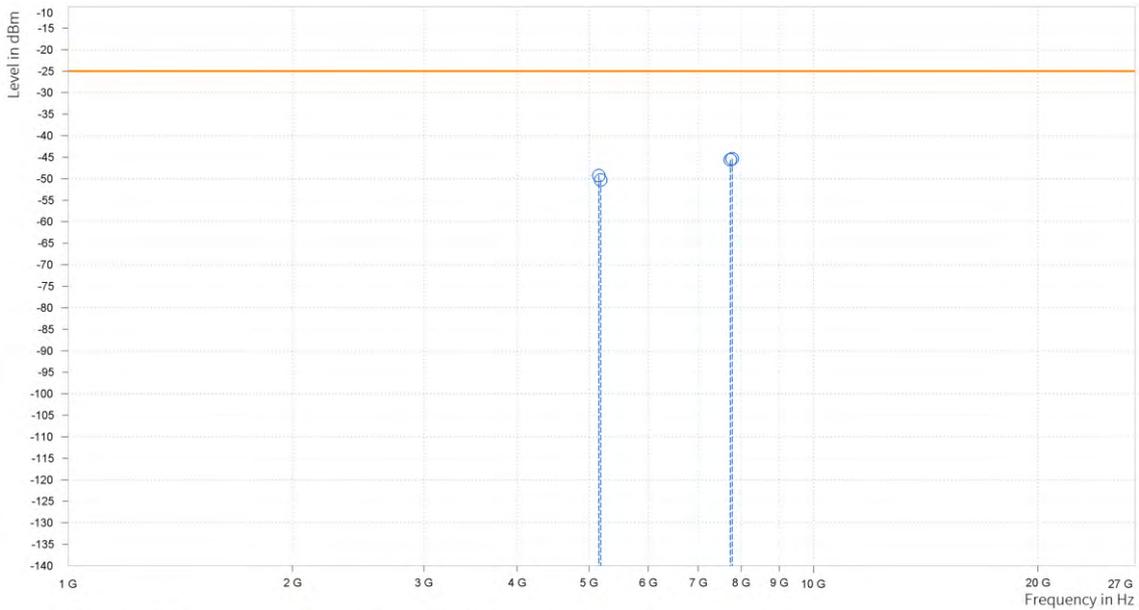




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(15+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 40523
			TX channel SCC 40694
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,153.100	-49.29	-25.00	24.29	23.89	V	263.8	2.00
4	5,182.800	-50.28	-25.00	25.28	24.25	V	359	2.00
5	7,729.650	-45.61	-25.00	20.61	27.92	V	359	2.00
5	7,774.200	-45.39	-25.00	20.39	27.86	V	359	2.00

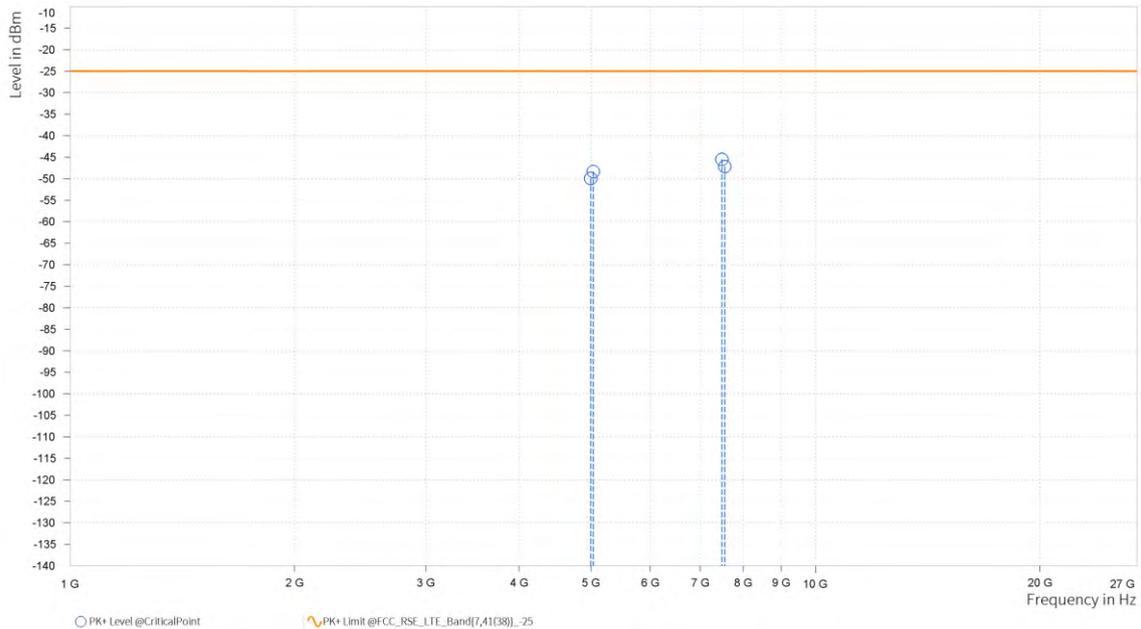




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 39750
			TX channel SCC 39948
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	4,994.000	-49.91	-25.00	24.91	23.61	H	211.4	1.00
4	5,033.600	-48.33	-25.00	23.33	23.91	H	211.4	1.00
5	7,491.000	-45.48	-25.00	20.48	27.41	H	359.1	1.00
5	7,550.400	-47.22	-25.00	22.22	27.46	H	127.3	1.00

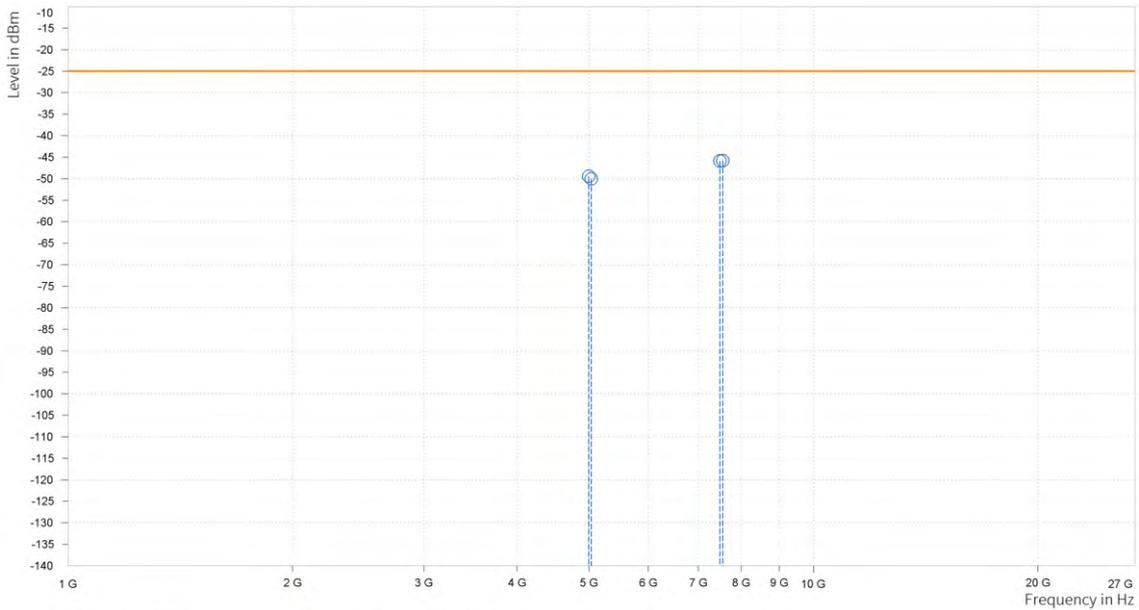




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 39750
			TX channel SCC 39948
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	4,994.000	-49.47	-25.00	24.47	23.84	V	149.9	2.00
4	5,033.600	-50.03	-25.00	25.03	24.25	V	104.6	1.00
5	7,491.000	-45.90	-25.00	20.90	27.39	V	1	1.00
5	7,550.400	-45.80	-25.00	20.80	27.32	V	141.4	2.00

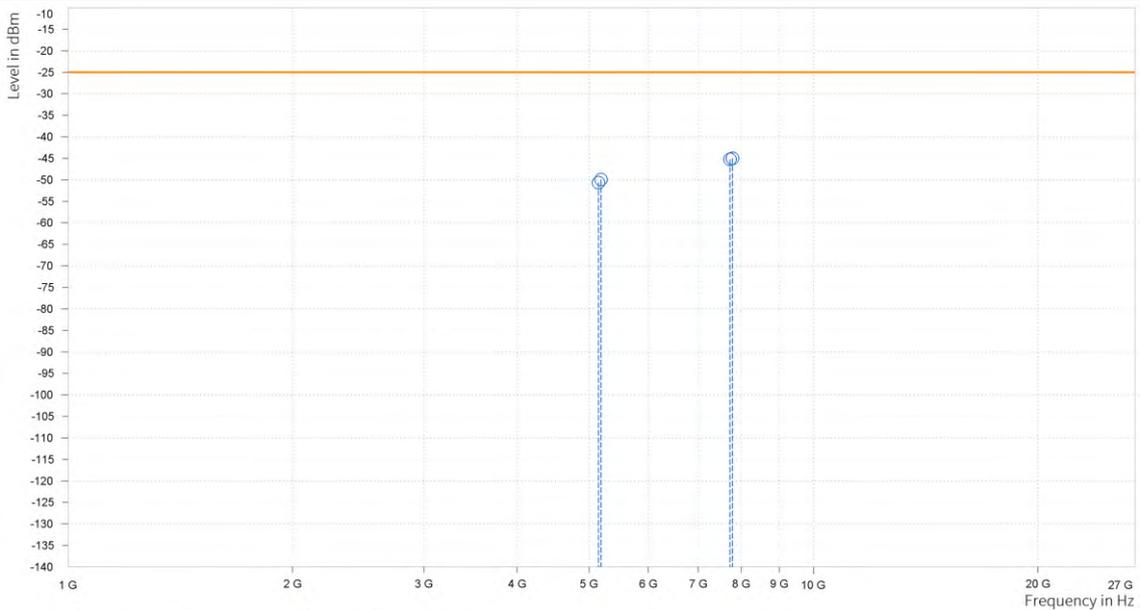




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 40521
			TX channel SCC 40719
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,148.200	-50.64	-25.00	25.64	23.63	H	261.7	2.00
4	5,187.800	-49.96	-25.00	24.96	23.80	H	1	1.00
5	7,722.300	-45.23	-25.00	20.23	28.16	H	359	2.00
5	7,781.700	-44.99	-25.00	19.99	28.05	H	359	2.00

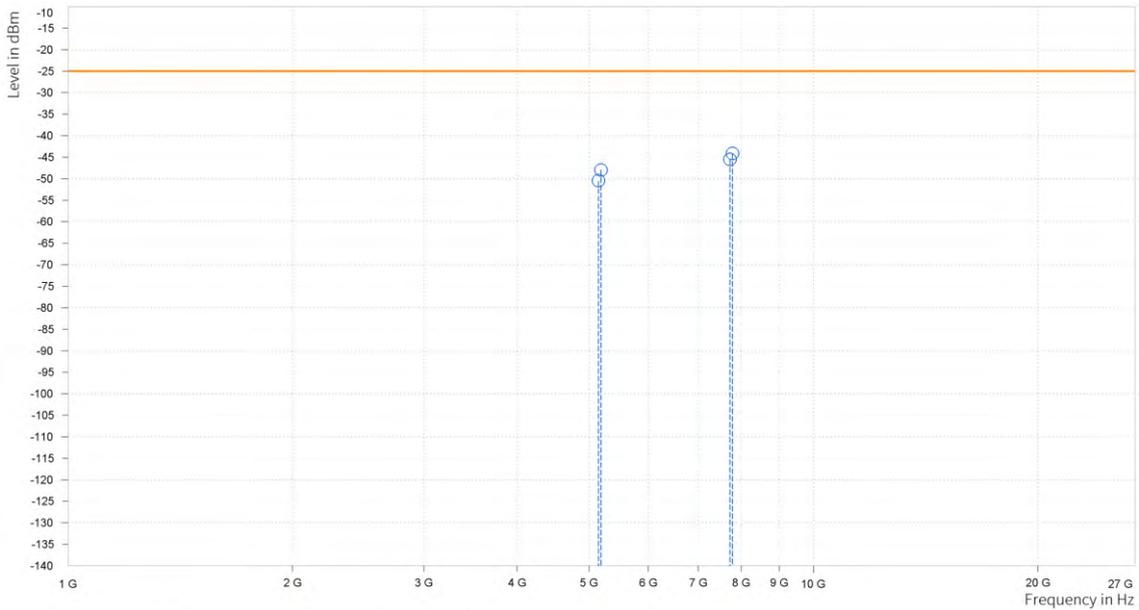




LTE Band CA_41C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	MODE	TX channel PCC 40521
			TX channel SCC 40719
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,148.200	-50.46	-25.00	25.46	23.84	V	2.8	2.00
4	5,187.800	-47.97	-25.00	22.97	24.31	V	310.5	1.00
5	7,722.300	-45.55	-25.00	20.55	27.90	V	232.6	2.00
5	7,781.700	-44.15	-25.00	19.15	27.84	V	244.7	1.00

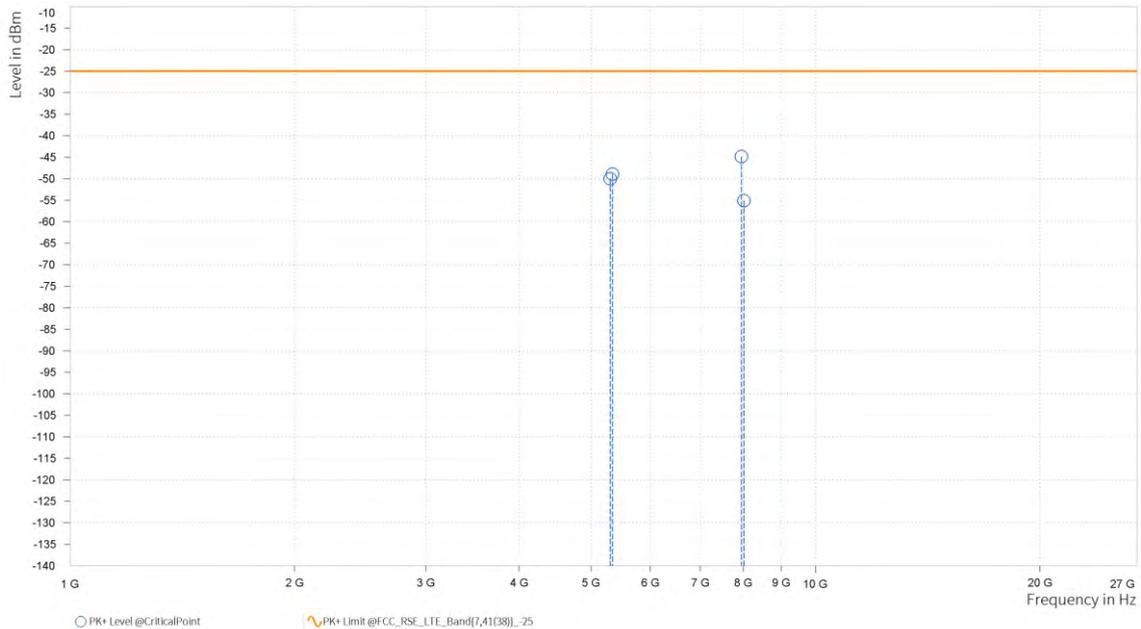




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 40292
			TX channel SCC 40490
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,302.400	-49.99	-25.00	24.99	24.15	H	215.8	1.00
4	5,342.000	-48.90	-25.00	23.90	24.25	H	1	1.00
5	7,953.600	-44.89	-25.00	19.89	28.23	H	0.9	2.00
6	8,013.000	-55.08	-25.00	30.08	16.95	H	53	2.00

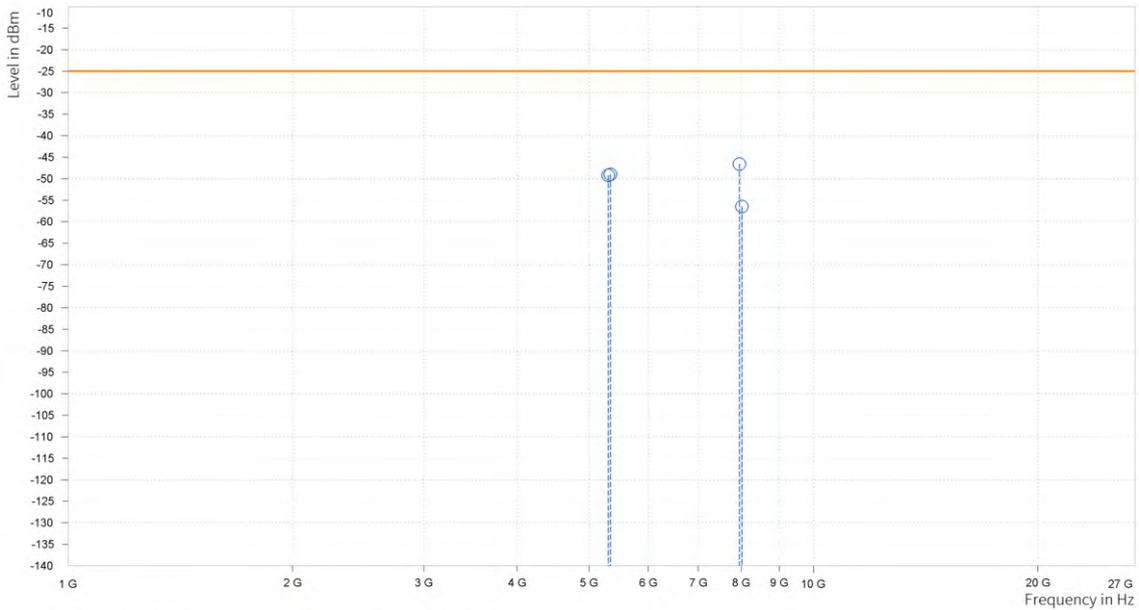




LTE Band CA_41C			
<b>CHANNEL BANDWIDTH</b>	(20+20) MHz / QPSK	<b>MODE</b>	TX channel PCC 40292
			TX channel SCC 40490
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	AC 120V/60Hz	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,302.400	-49.20	-25.00	24.20	24.68	V	359	1.00
4	5,342.000	-48.98	-25.00	23.98	24.71	V	99.6	1.00
5	7,953.600	-46.57	-25.00	21.57	27.99	V	230.6	2.00
6	8,013.000	-56.51	-25.00	31.51	16.76	V	162.6	1.00



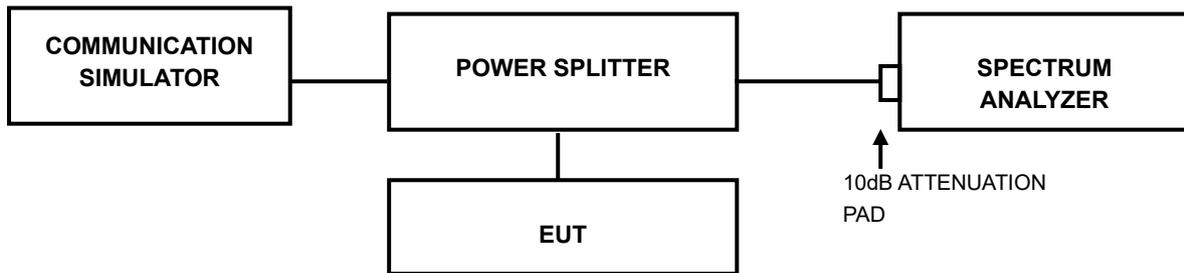


### 3.7 PEAK TO AVERAGE RATIO

#### 3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

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

#### 3.7.2 TEST SETUP



#### 3.7.3 TEST PROCEDURES

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

#### 3.7.4 TEST RESULTS

Please Refer to single band Appendix G&H.



## 4 INFORMATION ON THE TESTING LABORATORIES

We, Huarui 7layers High Technology (Suzhou) Co., Ltd. ,were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province

Accredited Test Lab Cert 6613.01

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

**Suzhou EMC/RF Lab:**

Tel: +86 (0557) 368 1008



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

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



# 6 APPENDIX

## LTE BAND7C

### 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	27.829	26.67	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	27.840	29.58	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	23.309	25.02	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	23.292	24.95	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	28.463	30.39	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	28.493	30.39	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	32.798	34.83	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	32.770	34.72	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	27.964	29.67	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	27.882	29.67	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	32.831	34.83	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	32.799	34.83	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	38.020	39.92	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	38.020	39.80	PASS