FCC TEST REPORT

(PART 27)

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

Manufacturer or Supplier:	HMD Global Oy
Address:	Bertel Jungin aukio 9, 02600 Espoo, Finland
Product:	Mobile phone
Brand Name:	HMD
Model Name:	H1702V
FCC ID:	2AJOTTA-1702
Date of tests:	Jan. 13, 2025 ~ Mar. 13, 2025

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

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

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. 13, 2025	Date: Mar. 13, 2025

TABLE OF CONTENTS

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSU-NQN2412090110RF04	Original release	Mar. 13, 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(d)(4)	Equivalent Isotropically Radiated Power (Band 4) (Band 66) (CA_ 66B) (CA_ 66C)	Compliance	A
§2.1055 §27.54	Frequency Stability	Compliance	A
§2.1049	Occupied Bandwidth	Compliance	A
§2.1051 §27.53(h)	Conducted Band Edge Measurements (Band 4) (Band 66) (CA_ 66B) (CA_ 66C)	Compliance	A
§2.1051 §27.53(h)	Conducted Spurious Emissions (Band 4) (Band 66) (CA_ 66B) (CA_ 66C)	Compliance	A
§2.1053 §27.53(h)	Radiated Spurious Emissions (Band 4) (Band 66) (CA_ 66B) (CA_ 66C)	Compliance	A
§27.50(d)(5)	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

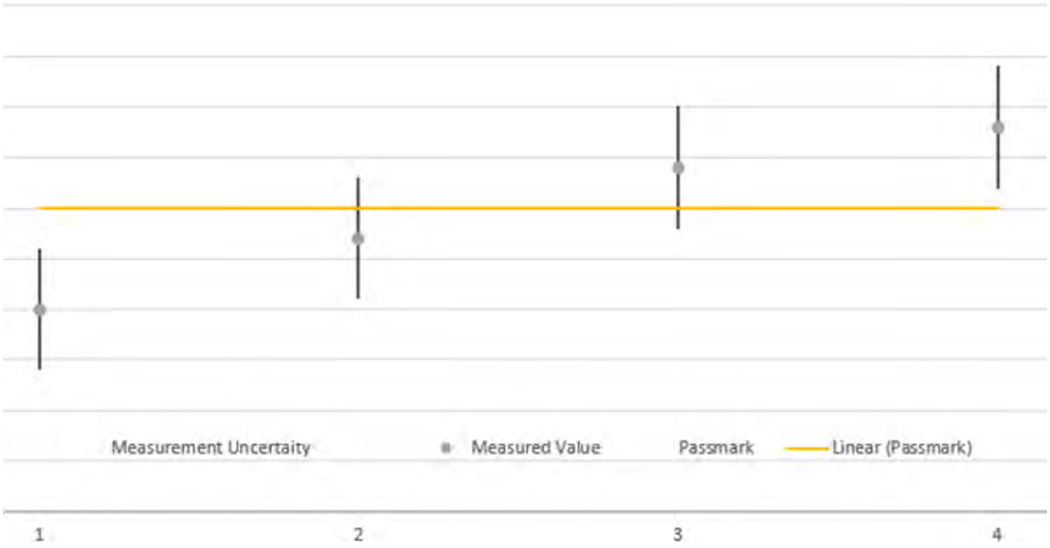
The FCC Site Registration No. is 434559; The Designation No. is CN1325.

1.1 MEASREMENT UNCERTAINTY

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

MEASUREMENT	UNCERTAINTY
Frequency Stability	±76.97Hz
Radiated emissions (9KHz~30MHz)	±2.68dB
Radiated emissions & Radiated Power (30MHz~1GHz)	±4.98dB
Radiated emissions & Radiated Power (1GHz ~6GHz)	±4.70dB
Radiated emissions (6GHz ~18GHz)	±4.60dB
Radiated emissions (18GHz ~40GHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Conducted Output power	±2.06dB
Band Edge Measurements	±4.70dB

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



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.30,23	Aug.29,25
Pre-Amplifier	R&S	SCU08F1	101028	Jan.22,24	Jan.21,26
Vector Signal Generator	R&S	SMBV100B	102176	Mar.29,24	Mar.28,26
Signal Generator	R&S	SMB100A	182185	Mar.29,24	Mar.28,26
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	Mar.28,24	Mar.27,26
EMI TEST Receiver	R&S	ESW44	101973	Mar.28,24	Mar.27,26
Bilog Antenna	SCHWARZBECK	VULB 9163	1264	Dec.26,23	Dec.25,25
Horn Antenna	ETS-LINDGREN	3117	227836	Aug.22,23	Aug.21,25
Horn Antenna (18GHz-40GHz)	Steatite Q-par Antennas	QMS 00880	23486	Jul.15,24	Jul.14,26
Horn Antenna	Steatite Q-par Antennas	QMS 00208	23485	Aug.22,23	Aug.21,25
Loop Antenna	SCHWARZ	HFH2-Z2/Z2E	100976	Feb.23,23	Feb.22,25
Loop Antenna	SCHWARZ	HFH2-Z2/Z2E	100976	Feb.22,25	Feb.21,27
WIDEBANDRADIO COMMUNICATION TESTER	R&S	CMW500	169399	Jun.19,24	Jun.18,26
Test Software	EMC32	EMC32	N/A	N/A	N/A
6DB attenuator	Tonscend Technology Co., Ltd	N/A	23062787	N/A	N/A
Test Software	ELEKTRA	ELEKTRA4.32	N/A	N/A	N/A
Open Switch and Control Unit	R&S	OSP220	101964	N/A	N/A
DC Source	HYELEC	HY3010B	551016	Aug.31,23	Aug.30,25
Hygrothermograph	DELI	20210528	SZ014	Sep.06,23	Sep.05,25
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.27,24	Apr.26,25
CABLE	R&S	W12.14	N/A	Apr.27,24	Apr.26,25
CABLE	R&S	J12J103539-00-1	SEP-03-20-069	Apr.27,24	Apr.26,25
CABLE	R&S	J12J103539-00-1	SEP-03-20-070	Apr.27,24	Apr.26,25
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

PRODUCT	Mobile phone	
BRAND NAME	HMD	
MODEL NAME	H1702V	
NOMINAL VOLTAGE	3.87Vdc (Li-ion, battery)	
MODULATION TECHNOLOGY	**LTE**	QPSK, 16QAM, 64QAM
FREQUENCY RANGE	**LTE Band 4 Channel Bandwidth: 1.4MHz**	1710.7MHz ~ 1754.3MHz
	LTE Band 4 Channel Bandwidth: 3MHz	1711.5MHz ~ 1753.5MHz
	LTE Band 4 Channel Bandwidth: 5MHz	1712.5MHz ~ 1752.5MHz
	LTE Band 4 Channel Bandwidth: 10MHz	1715MHz ~ 1750MHz
	LTE Band 4 Channel Bandwidth: 15MHz	1717.5MHz ~ 1747.5 MHz
	LTE Band 4 Channel Bandwidth: 20MHz	1720MHz ~ 1745MHz
	LTE Band 66 Channel Bandwidth: 1.4MHz	1710.7MHz ~ 1779.3MHz
	LTE Band 66 Channel Bandwidth: 3MHz	1711.5MHz ~ 1778.5MHz
	LTE Band 66 Channel Bandwidth: 5MHz	1712.5MHz ~ 1777.5MHz
	LTE Band 66 Channel Bandwidth: 10MHz	1715MHz ~ 1775MHz
	LTE Band 66 Channel Bandwidth: 15MHz	1717.5MHz ~ 1772.5MHz
	LTE Band 66 Channel Bandwidth: 20MHz	1720MHz ~ 1770MHz
	CA_66B Channel Bandwidth: 10MHz+10MHz	1715MHz ~ 1775MHz
	CA_66B Channel Bandwidth: 15MHz+5MHz	1717.5MHz ~ 1777MHz
	CA_66B Channel Bandwidth: 5MHz+15MHz	1713MHz ~ 1772.5MHz
	CA_66B Channel Bandwidth: 10MHz+5MHz	1715MHz ~ 1777.2MHz
	CA_66B Channel Bandwidth: 5MHz+10MHz	1712.8MHz ~ 1775MHz

	CA_66B Channel Bandwidth: 5MHz+5MHz	1712.5MHz ~ 1777.5MHz
	CA_66C Channel Bandwidth: 20MHz+20MHz	1720MHz ~ 1770MHz
	CA_66C Channel Bandwidth: 20MHz+15MHz	1720MHz ~ 1772.2MHz
	CA_66C Channel Bandwidth: 15MHz+20MHz	1717.8MHz ~ 1770MHz
	CA_66C Channel Bandwidth: 20MHz+10MHz	1720MHz ~ 1774.5MHz
	CA_66C Channel Bandwidth: 10MHz+20MHz	1715.5MHz ~ 1770MHz
	CA_66C Channel Bandwidth: 15MHz+15MHz	1717.5MHz ~ 1772.5MHz
	CA_66C Channel Bandwidth: 15MHz+10MHz	1717.5MHz ~ 1774.7MHz
	CA_66C Channel Bandwidth: 20MHz+5MHz	1715.3MHz ~ 1772.5MHz
	CA_66C Channel Bandwidth: 10MHz+15MHz	1720MHz ~ 1776.7MHz
	CA_66C Channel Bandwidth: 5MHz+20MHz	1713.3MHz ~ 1770MHz
	CA	CA_2A-4A CA_2A-66A CA_5A-66A CA_13A-66A
MAX. EIRP or EPR POWER	**LTE Band 4 Channel Bandwidth: 1.4MHz**	161.81mW
	LTE Band 4 Channel Bandwidth: 3MHz	162.55mW
	LTE Band 4 Channel Bandwidth: 5MHz	162.93mW
	LTE Band 4 Channel Bandwidth: 10MHz	162.55mW
	LTE Band 4 Channel Bandwidth: 15MHz	162.93mW
	LTE Band 4 Channel Bandwidth: 20MHz	164.82mW
	LTE Band 66 Channel Bandwidth: 1.4MHz	162.18mW
	LTE Band 66 Channel Bandwidth: 3MHz	163.68mW

	LTE Band 66 Channel Bandwidth: 5MHz	162.55mW
	LTE Band 66 Channel Bandwidth: 10MHz	164.06mW
	LTE Band 66 Channel Bandwidth: 15MHz	162.55mW
	LTE Band 66 Channel Bandwidth: 20MHz	165.58mW
	CA_66B Channel Bandwidth: 10MHz+10MHz	182.39mW
	CA_66B Channel Bandwidth: 15MHz+5MHz	175.39mW
	CA_66B Channel Bandwidth: 5MHz+15MHz	176.60mW
	CA_66B Channel Bandwidth: 10MHz+5MHz	179.06mW
	CA_66B Channel Bandwidth: 5MHz+10MHz	174.98mW
	CA_66B Channel Bandwidth: 5MHz+5MHz	174.98mW
	CA_66C Channel Bandwidth: 20MHz+20MHz	181.97 mW
	CA_66C Channel Bandwidth: 20MHz+15MHz	175.39 mW
	CA_66C Channel Bandwidth: 15MHz+20MHz	170.22 mW
	CA_66C Channel Bandwidth: 20MHz+10MHz	174.18 mW
	CA_66C Channel Bandwidth: 10MHz+20MHz	173.38 mW
	CA_66C Channel Bandwidth: 15MHz+15MHz	170.61 mW
	CA_66C Channel Bandwidth: 15MHz+10MHz	169.43 mW
	CA_66C Channel Bandwidth: 20MHz+5MHz	168.66 mW
	CA_66C Channel Bandwidth: 10MHz+15MHz	172.19 mW

	CA_66C Channel Bandwidth: 5MHz+20MHz	171.00 mW
EMISSION DESIGNATOR	**LTE Band 66 Channel Bandwidth: 1.4MHz**	QPSK: 1M10G7D
		16QAM: 1M11W7D
	LTE Band 66 Channel Bandwidth: 3MHz	QPSK: 2M71G7D
		16QAM: 2M70W7D
	LTE Band 66 Channel Bandwidth: 5MHz	QPSK: 4M53G7D
		16QAM: 4M52W7D
	LTE Band 66 Channel Bandwidth: 10MHz	QPSK: 9M00G7D
		16QAM: 9M00W7D
	LTE Band 66 Channel Bandwidth: 15MHz	QPSK: 13M5G7D
		16QAM: 13M5W7D
	LTE Band 66 Channel Bandwidth: 20MHz	QPSK: 18M0G7D
		16QAM: 18M0W7D
	CA_66B Channel Bandwidth: 10MHz+10MHz	QPSK: 18M9G7D
		16QAM: 18M9W7D
	CA_66B Channel Bandwidth: 15MHz+5MHz	QPSK: 18M3G7D
		16QAM: 18M3W7D
	CA_66B Channel Bandwidth: 5MHz+15MHz	QPSK: 18M3G7D
		16QAM: 18M3W7D
	CA_66B Channel Bandwidth: 10MHz+5MHz	QPSK: 13M9G7D
		16QAM: 13M9W7D
	CA_66B Channel Bandwidth: 5MHz+10MHz	QPSK: 14M0G7D
		16QAM: 13M9W7D
	CA_66B Channel Bandwidth: 5MHz+5MHz	QPSK: 9M30G7D
		16QAM: 9M30W7D
	CA_66C Channel Bandwidth: 20MHz+20MHz	QPSK: 38M4G7D
		16QAM: 47M0W7D
	CA_66C Channel Bandwidth: 20MHz+15MHz	QPSK: 33M5G7D
		16QAM: 41M4W7D
	CA_66C Channel Bandwidth: 15MHz+20MHz	QPSK: 33M2G7D
		16QAM: 38M2W7D
	CA_66C	QPSK: 36M1G7D

	Channel Bandwidth: 20MHz+10MHz	16QAM: 35M2W7D
	CA_66C Channel Bandwidth: 10MHz+20MHz	QPSK: 28M2G7D
		16QAM: 29M6W7D
	CA_66C Channel Bandwidth: 15MHz+15MHz	QPSK: 28M8G7D
		16QAM: 32M9W7D
	CA_66C Channel Bandwidth: 15MHz+10MHz	QPSK: 27M7G7D
		16QAM: 26M6W7D
	CA_66C Channel Bandwidth: 10MHz+15MHz	QPSK: 23M5G7D
		16QAM: 23M8W7D
	CA_66C Channel Bandwidth: 20MHz+5MHz	QPSK: 28M5G7D
		16QAM: 29M4W7D
	CA_66C Channel Bandwidth: 5MHz+20MHz	QPSK: 25M5G7D
		16QAM: 25M6W7D
ANTENNA GAIN	**LTE B4**	ANT1: -1.31dBi
	LTE B66/CA_66B/CA_66C	ANT1: -1.31dBi
ANTENNA TYPE	PIFA Antenna	
HW VERSION	V1.0	
SW VERSION	000T_0_310	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	USB cable: non-shielded cable, with w/o ferrite core, 1.0meter	
EXTREME TEMPERATURE	-10℃ ~ 55℃	
EXTREME VOLTAGE	3.6V ~ 4.5V	

NOTE:

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

MODULATION MODE	TX FUNCTION
LTE	1TX/1RX

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 differences between the sample 1 and sample 2 as Listings below, others are the same. And only the worst case was shown in the test report.

Raptor 5G(H1702V)

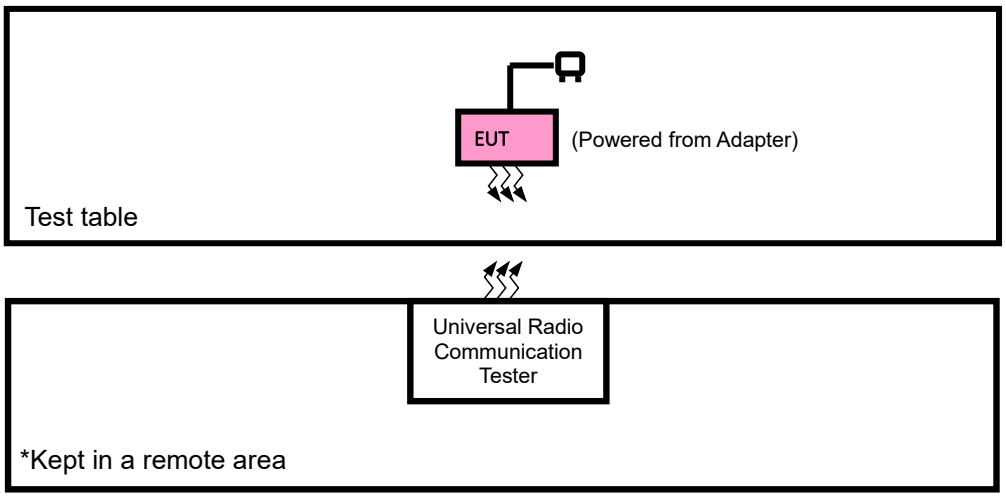
Object	Sample 1 1st source		Sample 2 2nd source	
	Specifications	**Supplier**	**Specifications**	**Supplier**
Display	Y92232	DZX	TD-TCHJ6615-5D	CDOT
Memory	LPDDR4X 6GB FLXC4006G-49	Longsys	BWCC4X32N2A-48G-X	Biwin
	128GB eMMC5.1 MEMDNN128G-M1D03	Longsys	MEMDNN128G-M1D03	Biwin
Motor	C0830H-C138ZN-021	KunWang	CY0830-05-FPC-182	Chaoying
Mic	SM2718B381YR2-01	Rayking	S150B381-155	Goertek
Charger IC	UPM6720	Unisemi	SC8541CFFR	Southchip

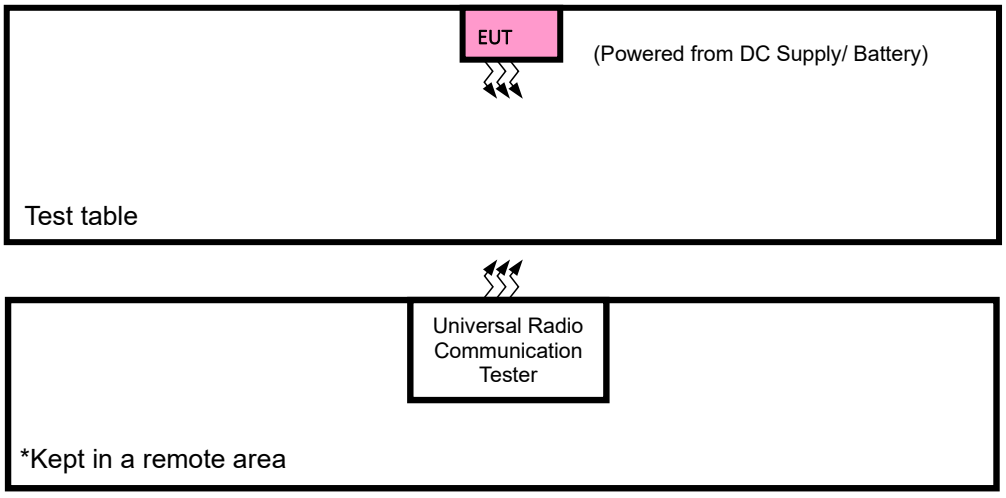
8 List of Accessory:

ACCESSORIES	BRAND	MANUFACTURER	MODEL	SPECIFICATION
Battery	HMD	HuiZhou GanFeng LiEnergy Battery Technology Co., Ltd.	HBA-5033AA	Capacity：3.87Vdc, 4900mAh
USB Cable	Saibao	Saibao (Jiangxi) Industry Co.,Ltd.	SZN-A047A	Signal Line,1.0meter

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST





2.3 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Adapter	N/A	N/A	N/A	N/A
2	DC Source	HYELEC	HY3010B	551016	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	USB Line: Shielded, Detachable 1.0m;
2	DC Line: Unshielded, Detachable, 1.0m;

2.4 TEST ITEM AND TEST CONFIGURATION

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports The worst case was found when positioned on Y-plane for EIRP and X/Y/Z-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 / Battery with LTE link**

LTE BAND 4 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset

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

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

LTE BAND 66 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	131979 to 132665	131979,132322,132665	1.4MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK, 16QAM, 64QAM，256QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	132022 to 132622	132022,132322,132622	10MHz	QPSK	100 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	131979 to 132665	131979,132322,132665	1.4MHz	QPSK,16QAM,	6 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK,16QAM,	15 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK,16QAM,	25 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK,16QAM,	50 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK,16QAM,	75 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK,16QAM,	100 RB / 0 RB Offset
A	BAND EDGE	131979 to 132322	131979	1.4MHz	QPSK,16QAM,	1 RB / 0 RB Offset
						6 RB / 0 RB Offset

			132322	1.4MHz	QPSK,16QAM,	1 RB / 5 RB Offset
						6 RB / 0 RB Offset
		131987 to 132657	131987	3MHz	QPSK,16QAM,	1 RB / 0 RB Offset
						15 RB / 0 RB Offset
			132657	3MHz	QPSK,16QAM,	1 RB / 14 RB Offset
						15 RB / 0 RB Offset
		131997 to 132647	131997	5MHz	QPSK,16QAM,	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
			132647	5MHz	QPSK,16QAM,	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		132022 to 132622	132022	10MHz	QPSK,16QAM,	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
			132622	10MHz	QPSK,16QAM,	1 RB / 49 RB Offset
						50 RB / 0 RB Offset
		132047 to 132597	132047	15MHz	QPSK,16QAM,	1 RB / 0 RB Offset
						75 RB / 0 RB Offset
			132597	15MHz	QPSK,16QAM,	1 RB / 74 RB Offset
						75 RB / 0 RB Offset
		132072 to 132572	132072	20MHz	QPSK,16QAM,	1 RB / 0 RB Offset
						100 RB / 0 RB Offset
			132572	20MHz	QPSK,16QAM,	1 RB / 99 RB Offset
						100 RB / 0 RB Offset
A	CONDCUDETED EMISSION	131979 to 132665	131979,132322,132665	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK	1 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK	1 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	132072 to 132572	132072,132322,132572	20MHz	QPSK	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	RADIATED EMISSION	131979 to 132665	132322	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	132322	3MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK	1 RB / 0 RB Offset

		132022 to 132622	132322	10MHz	QPSK	1 RB / 0 RB Offset
		132047 to 132597	132322	15MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132322	20MHz	QPSK	1 RB / 0 RB Offset

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

CA_66B MODE								
EUT CONFIGURE MODE	**TEST ITEM**	**AVAILABLE PCC CHANNEL**	**AVAILABLE SCC CHANNEL**	**TESTED CHANNEL**	**CHANNEL BANDWIDTH**	**MODULATION**	**MODE(PCC)**	**MODE(SCC)**
A	EIRP	132022 to 132523	132121 to 132622	Low, Middle, High	10MHz+10MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		132047 to 132549	132140 to 132642	Low, Middle, High	15MHz+5MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		132002to 132504	132095 to 132597	Low, Middle, High	5MHz+15MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 24RB Offset	1RB/ 0RB Offset
		132022 to 132572	132094 to 132644	Low, Middle, High	10MHz+5MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		132022to 132572	132094 to 132644	Low, Middle, High	5MHz +10MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 24RB Offset	1RB/ 0RB Offset
		131997 to 132599	132045 to 132647	Low, Middle, High	5MHz +5MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 24RB Offset	1RB/ 0RB Offset
A	OCCUPIED BANDWIDTH	132022 to 132523	132121 to 132622	Low, Middle, High	10MHz+10MHz	QPSK, 16QAM	1RB/ 50RB Offset	1RB/ 0RB Offset
		132047 to 132549	132140 to 132642	Low, Middle, High	15MHz+5MHz	QPSK, 16QAM	1RB/ 75RB Offset	1RB/ 25RB Offset
		132002to 132504	132095 to 132597	Low, Middle, High	5MHz+15MHz	QPSK, 16QAM	1RB/ 25RB Offset	1RB/ 75RB Offset
		132022 to 132572	132094 to 132644	Low, Middle, High	10MHz+5MHz	QPSK, 16QAM	1RB/ 50RB Offset	1RB/ 25RB Offset
		132022to 132572	132094 to 132644	Low, Middle, High	5MHz +10MHz	QPSK, 16QAM	1RB/ 25RB Offset	1RB/ 50RB Offset
		131997 to 132599	132045 to 132647	Low, Middle, High	5MHz +5MHz	QPSK, 16QAM	1RB/ 25RB Offset	1RB/ 25RB Offset
A	BAND EDGE	132022 to 132523	132121 to 132622	Low	10MHz+10MHz	QPSK, 16QAM	1RB/ 0RB Offset	50RB/ 0RB Offset
							1RB/ 49RB Offset	50RB/ 0RB Offset
							50RB/ 0RB Offset	50RB/ 0RB Offset
				High	10MHz+10MHz		1RB/ 0RB Offset	50RB/ 0RB Offset
							1RB/ 49RB Offset	50RB/ 0RB Offset
							50RB/ 0RB Offset	50RB/ 0RB Offset
A	CONDUCTED EMISSION	132022 to 132523	132121 to 132622	Low, Middle, High	10MHz+10MHz	QPSK, 16QAM	1RB/ 49RB Offset	1RB/ 0RB Offset

A	RADIATED EMISSION	132022 to 132523	132121 to 132622	Low, Middle, High	10MHz+10MHz	QPSK,	1RB/ 49RB Offset	1RB/ 0RB Offset
		131997 to 132599	132045 to 132647	Middle,	5MHz+5MHz	QPSK,	1RB/ 49RB Offset	1RB/ 0RB Offset
		132022to 132572	132094 to 132644	Middle,	5MHz+10MHz	QPSK,	1RB/ 49RB Offset	1RB/ 0RB Offset
		132002to 132504	132095 to 132597	Middle,	5MHz+15MHz	QPSK,	1RB/ 49RB Offset	1RB/ 0RB Offset

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

CA_66C MODE								
EUT CONFIGURE MODE	**TEST ITEM**	**AVAILABLE PCC CHANNEL**	**AVAILABLE SCC CHANNEL**	**TESTED CHANNEL**	**CHANNEL BANDWIDTH**	**MODULATION**	**MODE(PCC)**	**MODE(SCC)**
A	EIRP	132072 to 132374	132270 to 132572	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		132072 to 132423	132243 to 132594	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		132050to 132401	132221 to 132572	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		132072 to 132473	132216 to 132617	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		132027 to 132428	132171 to 132572	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		132047 to 132447	132197 to 132597	Low, Middle, High	15MHz+15MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		132047 to 132499	132167 to 132619	Low, Middle, High	15MHz+10MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 74RB Offset	1RB/ 0RB Offset
		132025 to 132477	132145 to 132597	Low, Middle, High	10MHz+15MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 49RB Offset	1RB/ 0RB Offset
		132072 to 132522	132189 to 132639	Low, Middle, High	20MHz +5MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
		132005 to 132455	132122 to 132572	Low, Middle, High	5MHz +20MHz	QPSK, 16QAM, 64QAM,256QAM	1RB/ 24RB Offset	1RB/ 0RB Offset
A	OCCUPIED BANDWIDTH	132072 to 132374	132270 to 132572	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM,	100RB/ 0RB Offset	100RB/ 0RB Offset
		132072 to 132423	132243 to 132594	Low, Middle, High	20MHz+15MHz	QPSK, 16QAM,	100RB/ 0RB Offset	75RB/ 0RB Offset

		132050to 132401	132221 to 132572	Low, Middle, High	15MHz+20MHz	QPSK, 16QAM,	75RB/ 0RB Offset	100RB/ 0RB Offset
		132072 to 132473	132216 to 132617	Low, Middle, High	20MHz+10MHz	QPSK, 16QAM,	100RB/ 0RB Offset	50RB/ 0RB Offset
		132027 to 132428	132171 to 132572	Low, Middle, High	10MHz+20MHz	QPSK, 16QAM,	50RB/ 0RB Offset	100RB/ 0RB Offset
		132047 to 132447	132197 to 132597	Low, Middle, High	15MHz+15MHz	QPSK, 16QAM,	75RB/ 0RB Offset	75RB/ 0RB Offset
A	OCCUPIED BANDWIDTH	132047 to 132499	132167 to 132619	Low, Middle, High	15MHz+10MHz	QPSK, 16QAM,	75RB/ 0RB Offset	50RB/ 0RB Offset
		132025 to 132477	132145 to 132597	Low, Middle, High	10MHz+15MHz	QPSK, 16QAM,	50RB/ 0RB Offset	75RB/ 0RB Offset
		132072 to 132522	132189 to 132639	Low, Middle, High	20MHz +5MHz	QPSK, 16QAM,	100RB/ 0RB Offset	25RB/ 0RB Offset
		132005 to 132455	132122 to 132572	Low, Middle, High	5MHz +20MHz	QPSK, 16QAM,	25RB/ 0RB Offset	100RB/ 0RB Offset
A	BAND EDGE	132072 to 132374	132270 to 132572	Low	20MHz+20MHz	QPSK, 16QAM,	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
				High	20MHz+20MHz		1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
A	CONDUCTED EMISSION	132072 to 132374	132270 to 132572	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM,	1RB/ 99RB Offset	1RB/ 0RB Offset
A	RADIATED EMISSION	132047 to 132499	132167 to 132619	Low, Middle, High	10MHz+15MHz	QPSK,	1RB/ 99RB Offset	1RB/ 0RB Offset
		132027 to 132428	132171 to 132572	Middle,	10MHz+20MHz	QPSK,	1RB/ 99RB Offset	1RB/ 0RB Offset
		132047 to 132447	132197 to 132597	Middle,	15MHz+15MHz	QPSK,	1RB/ 99RB Offset	1RB/ 0RB Offset
		132050to 132401	132221 to 132572	Middle,	15MHz+20MHz	QPSK,	1RB/ 99RB Offset	1RB/ 0RB Offset
		132072 to 132522	132189 to 132639	Middle,	20MHz+5MHz	QPSK,	1RB/ 99RB Offset	1RB/ 0RB Offset
		132072 to 132374	132270 to 132572	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.

TEST CONDITION			
TEST ITEM	**ENVIRONMENTAL CONDITIONS**	**INPUT POWER**	**TESTED BY**
ERP&EIRP	23deg. C, 70%RH	DC 5V By Adapter	Hanwen Xu
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.6V/ 3.87V/ 4.45V By DC Source	Hanwen Xu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC 5V By Adapter	Hanwen Xu
BAND EDGE	23deg. C, 70%RH	DC 5V By Adapter	Hanwen Xu
CONDUCTED EMISSION	23deg. C, 70%RH	DC 5V By Adapter	Hanwen Xu
RADIATED EMISSION	23deg. C, 70%RH	DC 5V By Adapter	Hanwen Xu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC 5V 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

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

ERP or EIRP = $P_{Meas} + G_T – L_C$

Where:

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

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

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

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

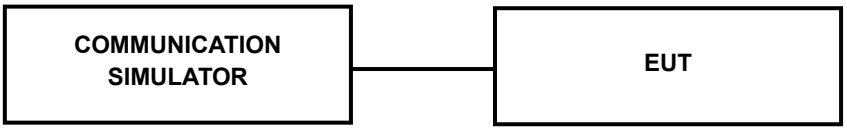
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

CONDUCTED POWER MEASUREMENT:

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

3.1.3 TEST SETUP

CONDUCTED POWER MEASUREMENT:



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

3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

LTE Band 4						
Band/BW	Modulation	RB Size	RB Offset	Low CH 19957 Frequency 1710.7 MHz	Mid CH 20175 Frequency 1732.5 MHz	High CH 20393 Frequency 1754.3 MHz
4/ 3	QPSK	1	0	23.29	23.26	23.31
		1	2	23.36	23.35	23.33
		1	5	23.38	23.40	23.38
		3	0	23.22	23.24	23.21
		3	1	23.25	23.27	23.24
		3	3	23.34	23.34	23.28
		6	0	22.40	22.42	22.38
	16QAM	1	0	22.55	22.72	22.55
		1	2	22.70	22.80	22.47
		1	5	22.59	22.80	22.60
		3	0	22.28	22.27	22.20
		3	1	22.36	22.26	22.25
		3	3	22.34	22.42	22.29
		6	0	21.52	21.37	21.43
	64QAM	1	0	21.44	21.38	21.57
		1	2	21.46	21.41	21.53
		1	5	21.53	21.55	21.60
		3	0	21.25	21.37	21.17
		3	1	21.36	21.38	21.29
		3	3	21.30	21.38	21.28
		6	0	20.49	20.49	20.33
	256QAM	1	0	18.42	18.69	18.55
		1	2	18.40	18.54	18.45
		1	5	18.65	18.65	18.61
		3	0	18.44	18.51	18.50
		3	1	18.46	18.56	18.43
		3	3	18.44	18.51	18.52
		6	0	18.47	18.49	18.39

Band/BW	Modulation	RB Size	RB Offset	Low CH 19965 Frequency 1711.5 MHz	Mid CH 20175 Frequency 1732.5 MHz	High CH 20385 Frequency 1753.5 MHz
4/ 3	QPSK	1	0	23.29	23.34	23.29
		1	7	23.28	23.42	23.29
		1	14	23.40	23.39	23.34
		8	0	22.48	22.40	22.37
		8	3	22.45	22.52	22.47
		8	7	22.53	22.57	22.55
		15	0	22.51	22.56	22.43
	16QAM	1	0	22.47	22.78	22.53
		1	7	22.70	22.78	22.54
		1	14	22.55	22.68	22.54
		8	0	21.42	21.47	21.38
		8	3	21.42	21.48	21.39
		8	7	21.40	21.49	21.43
		15	0	21.43	21.40	21.45
	64QAM	1	0	21.45	21.46	21.53
		1	7	21.38	21.44	21.54
		1	14	21.61	21.53	21.55
		8	0	20.37	20.53	20.30
		8	3	20.56	20.45	20.36
		8	7	20.50	20.53	20.45
		15	0	20.51	20.37	20.33
	256QAM	1	0	18.37	18.59	18.42
		1	7	18.33	18.62	18.45
		1	14	18.55	18.57	18.64
		8	0	18.34	18.48	18.38
		8	3	18.41	18.56	18.41
		8	7	18.49	18.52	18.55
		15	0	18.45	18.52	18.45

Band/BW	Modulation	RB Size	RB Offset	Low CH 19975 Frequency 1712.5 MHz	Mid CH 20175 Frequency 1732.5 MHz	High CH 20375 Frequency 1752.5 MHz
4/ 5	QPSK	1	0	23.29	23.29	23.30
		1	12	23.40	23.43	23.40
		1	24	23.30	23.35	23.39
		12	0	22.42	22.47	22.37
		12	6	22.46	22.45	22.50
		12	13	22.46	22.47	22.56
		25	0	22.45	22.49	22.43
	16QAM	1	0	22.47	22.67	22.64
		1	12	22.67	22.76	22.51
		1	24	22.56	22.74	22.60
		12	0	21.34	21.39	21.31
		12	6	21.45	21.37	21.44
		12	13	21.51	21.54	21.51
		25	0	21.42	21.32	21.48
	64QAM	1	0	21.45	21.46	21.53
		1	12	21.51	21.46	21.53
		1	24	21.60	21.51	21.50
		12	0	20.30	20.57	20.40
		12	6	20.61	20.48	20.45
		12	13	20.47	20.52	20.51
		25	0	20.53	20.41	20.38
	256QAM	1	0	18.37	18.62	18.42
		1	12	18.39	18.60	18.49
		1	24	18.55	18.61	18.51
		12	0	18.36	18.52	18.44
		12	6	18.38	18.51	18.42
		12	13	18.58	18.60	18.57
		25	0	18.39	18.45	18.42

Band/BW	Modulation	RB Size	RB Offset	Low CH 20000 Frequency 1715 MHz	Mid CH 20175 Frequency 1732.5 MHz	High CH 20350 Frequency 1750 MHz
4/ 10	QPSK	1	0	23.30	23.33	23.33
		1	24	23.38	23.32	23.39
		1	49	23.42	23.37	23.36
		25	0	22.44	22.47	22.34
		25	12	22.41	22.56	22.42
		25	25	22.52	22.55	22.53
		50	0	22.47	22.56	22.43
	16QAM	1	0	22.43	22.69	22.59
		1	24	22.56	22.74	22.40
		1	49	22.63	22.75	22.54
		25	0	21.43	21.39	21.31
		25	12	21.42	21.49	21.38
		25	25	21.50	21.59	21.54
		50	0	21.40	21.36	21.44
	64QAM	1	0	21.38	21.46	21.58
		1	24	21.42	21.42	21.58
		1	49	21.60	21.61	21.59
		25	0	20.33	20.48	20.39
		25	12	20.50	20.53	20.42
		25	25	20.45	20.63	20.47
		50	0	20.44	20.37	20.33
	256QAM	1	0	18.38	18.62	18.56
		1	24	18.37	18.59	18.52
		1	49	18.61	18.66	18.59
		25	0	18.44	18.50	18.45
		25	12	18.44	18.54	18.38
		25	25	18.55	18.47	18.49
		50	0	18.41	18.45	18.44

Band/BW	Modulation	RB Size	RB Offset	Low CH 20025	Mid CH 20175	High CH 20325
				Frequency 1717.5 MHz	Frequency 1732.5 MHz	Frequency 1747.5 MHz
4/ 15	QPSK	1	0	23.36	23.31	23.33
		1	37	23.39	23.34	23.33
		1	74	23.43	23.37	23.40
		36	0	22.39	22.46	22.39
		36	19	22.45	22.49	22.46
		36	39	22.44	22.46	22.53
		75	0	22.51	22.43	22.41
	16QAM	1	0	22.50	22.69	22.54
		1	37	22.68	22.76	22.43
		1	74	22.60	22.78	22.55
		36	0	21.37	21.41	21.44
		36	19	21.55	21.38	21.42
		36	39	21.46	21.55	21.53
		75	0	21.41	21.41	21.47
	64QAM	1	0	21.47	21.42	21.55
		1	37	21.47	21.47	21.64
		1	74	21.52	21.63	21.61
		36	0	20.41	20.58	20.43
		36	19	20.60	20.46	20.41
		36	39	20.54	20.57	20.51
		75	0	20.46	20.38	20.37
	256QAM	1	0	18.34	18.65	18.49
		1	37	18.45	18.57	18.55
		1	74	18.58	18.65	18.56
		36	0	18.40	18.47	18.38
		36	19	18.47	18.55	18.36
		36	39	18.45	18.49	18.51
		75	0	18.39	18.48	18.40

Band/BW	Modulation	RB Size	RB Offset	Low CH 20050 Frequency 1720 MHz	Mid CH 20175 Frequency 1732.5 MHz	High CH 20300 Frequency 1745 MHz
4/ 20	QPSK	1	0	23.40	23.41	23.43
		1	50	23.43	23.44	23.44
		1	99	23.44	23.48	23.46
		50	0	22.50	22.48	22.49
		50	25	22.56	22.60	22.57
		50	50	22.58	22.61	22.60
		100	0	22.55	22.57	22.47
	16QAM	1	0	22.58	22.80	22.66
		1	50	22.71	22.86	22.55
		1	99	22.66	22.81	22.68
		50	0	21.47	21.48	21.45
		50	25	21.56	21.51	21.49
		50	50	21.55	21.61	21.58
		100	0	21.54	21.47	21.50
	64QAM	1	0	21.49	21.53	21.60
		1	50	21.52	21.55	21.65
		1	99	21.65	21.65	21.63
		50	0	20.44	20.61	20.44
		50	25	20.62	20.60	20.51
		50	50	20.59	20.66	20.55
		100	0	20.55	20.51	20.46
	256QAM	1	0	18.44	18.70	18.57
		1	50	18.46	18.67	18.58
		1	99	18.70	18.70	18.65
		50	0	18.45	18.59	18.53
		50	25	18.51	18.58	18.45
		50	50	18.59	18.61	18.59
		100	0	18.54	18.55	18.54

LTE Band 66(ANT1)

Band/BW	Modulation	RB Size	RB Offset	Low CH 131979 Frequency 1710.7MHz	Mid CH 132322 Frequency 1745MHz	High CH 132665 Frequency 1779.3MHz
66/ 1.4	QPSK	1	0	23.31	23.37	23.33
		1	2	23.29	23.29	23.27
		1	5	23.39	23.41	23.34
		3	0	23.20	23.12	23.17
		3	1	23.33	23.31	23.16
		3	3	23.25	23.36	23.32
		6	0	22.39	22.38	22.28
	16QAM	1	0	22.48	22.50	22.57
		1	2	22.58	22.60	22.67
		1	5	22.54	22.48	22.56
		3	0	22.22	22.12	22.10
		3	1	22.29	22.25	22.23
		3	3	22.28	22.34	22.17
		6	0	21.49	21.47	21.34
	64QAM	1	0	21.46	21.34	21.35
		1	2	21.48	21.60	21.44
		1	5	21.50	21.49	21.38
		3	0	21.19	21.19	21.10
		3	1	21.18	21.33	21.16
		3	3	21.20	21.28	21.20
		6	0	20.46	20.40	20.27
	256QAM	1	0	18.54	18.46	18.38
		1	2	18.49	18.62	18.41
		1	5	18.58	18.48	18.43
		3	0	18.43	18.35	18.27
		3	1	18.42	18.47	18.33
		3	3	18.46	18.36	18.40
		6	0	18.54	18.48	18.46

Band/BW	Modulation	RB Size	RB Offset	Low CH 131987 Frequency 1711.5MHz	Mid CH 132322 Frequency 1745MHz	High CH 132657 Frequency 1778.5MHz
66/ 3	QPSK	1	0	23.28	23.24	23.25
		1	7	23.34	23.32	23.33
		1	14	23.43	23.45	23.36
		8	0	22.37	22.30	22.24
		8	3	22.37	22.52	22.39
		8	7	22.39	22.51	22.50
		15	0	22.45	22.40	22.33
	16QAM	1	0	22.43	22.41	22.46
		1	7	22.66	22.53	22.58
		1	14	22.64	22.53	22.60
		8	0	21.44	21.31	21.40
		8	3	21.40	21.42	21.27
		8	7	21.48	21.48	21.39
		15	0	21.39	21.41	21.29
	64QAM	1	0	21.54	21.36	21.34
		1	7	21.49	21.65	21.42
		1	14	21.58	21.53	21.43
		8	0	20.30	20.31	20.28
		8	3	20.38	20.43	20.36
		8	7	20.46	20.39	20.38
		15	0	20.41	20.45	20.28
	256QAM	1	0	18.44	18.41	18.30
		1	7	18.43	18.64	18.34
		1	14	18.55	18.51	18.42
		8	0	18.37	18.38	18.31
		8	3	18.47	18.41	18.34
		8	7	18.55	18.47	18.49
		15	0	18.41	18.45	18.36

Band/BW	Modulation	RB Size	RB Offset	Low CH 131997 Frequency 1712.5MHz	Mid CH 132322 Frequency 1745MHz	High CH 132647 Frequency 1777.5MHz
66/ 5	QPSK	1	0	23.30	23.37	23.29
		1	12	23.33	23.32	23.30
		1	24	23.42	23.35	23.31
		12	0	22.31	22.35	22.36
		12	6	22.40	22.44	22.36
		12	13	22.52	22.46	22.41
		25	0	22.38	22.38	22.37
	16QAM	1	0	22.43	22.48	22.46
		1	12	22.56	22.55	22.67
		1	24	22.60	22.46	22.58
		12	0	21.43	21.32	21.29
		12	6	21.41	21.45	21.37
		12	13	21.45	21.53	21.39
		25	0	21.36	21.47	21.36
	64QAM	1	0	21.45	21.37	21.31
		1	12	21.54	21.59	21.42
		1	24	21.56	21.58	21.40
		12	0	20.33	20.25	20.28
		12	6	20.35	20.41	20.28
		12	13	20.47	20.51	20.49
		25	0	20.38	20.40	20.30
	256QAM	1	0	18.57	18.38	18.28
		1	12	18.44	18.51	18.37
		1	24	18.50	18.40	18.43
		12	0	18.38	18.44	18.31
		12	6	18.44	18.55	18.44
		12	13	18.46	18.41	18.39
		25	0	18.49	18.51	18.44

Band/BW	Modulation	RB Size	RB Offset	Low CH 132022 Frequency 1715MHz	Mid CH 132322 Frequency 1745MHz	High CH 132622 Frequency 1775MHz
66/ 10	QPSK	1	0	23.39	23.28	23.24
		1	24	23.34	23.29	23.37
		1	49	23.46	23.42	23.32
		25	0	22.28	22.39	22.36
		25	12	22.39	22.41	22.36
		25	25	22.51	22.48	22.44
		50	0	22.47	22.46	22.38
	16QAM	1	0	22.42	22.45	22.52
		1	24	22.60	22.60	22.65
		1	49	22.61	22.55	22.60
		25	0	21.41	21.39	21.33
		25	12	21.40	21.46	21.34
		25	25	21.42	21.50	21.34
		50	0	21.49	21.46	21.29
	64QAM	1	0	21.42	21.40	21.29
		1	24	21.55	21.65	21.38
		1	49	21.58	21.54	21.43
		25	0	20.33	20.32	20.34
		25	12	20.42	20.43	20.29
		25	25	20.47	20.48	20.46
		50	0	20.46	20.48	20.33
	256QAM	1	0	18.57	18.41	18.30
		1	24	18.48	18.61	18.40
		1	49	18.61	18.41	18.52
		25	0	18.39	18.36	18.33
		25	12	18.53	18.48	18.44
		25	25	18.53	18.36	18.42
		50	0	18.45	18.42	18.41

Band/BW	Modulation	RB Size	RB Offset	Low CH 132047 Frequency 1717.5 MHz	Mid CH 132322 Frequency 1745MHz	High CH 132597 Frequency 1772.5 MHz
66/ 15	QPSK	1	0	23.31	23.37	23.25
		1	37	23.42	23.37	23.32
		1	74	23.39	23.40	23.33
		36	0	22.26	22.28	22.33
		36	19	22.40	22.48	22.27
		36	39	22.42	22.43	22.48
		75	0	22.41	22.40	22.39
	16QAM	1	0	22.50	22.53	22.52
		1	37	22.59	22.65	22.64
		1	74	22.63	22.48	22.53
		36	0	21.41	21.38	21.31
		36	19	21.47	21.42	21.41
		36	39	21.53	21.53	21.41
		75	0	21.42	21.48	21.38
	64QAM	1	0	21.44	21.46	21.35
		1	37	21.60	21.59	21.40
		1	74	21.55	21.48	21.45
		36	0	20.33	20.25	20.23
		36	19	20.39	20.44	20.40
		36	39	20.41	20.44	20.37
		75	0	20.49	20.51	20.34
	256QAM	1	0	18.56	18.42	18.36
		1	37	18.51	18.52	18.46
		1	74	18.58	18.49	18.55
		36	0	18.35	18.34	18.25
		36	19	18.43	18.52	18.36
		36	39	18.44	18.47	18.40
		75	0	18.54	18.48	18.35

Band/BW	Modulation	RB Size	RB Offset	Low CH 132072 Frequency 1720MHz	Mid CH 132322 Frequency 1745MHz	High CH 132572 Frequency 1770MHz
66/ 20	QPSK	1	0	23.40	23.38	23.38
		1	50	23.44	23.41	23.39
		1	99	23.48	23.50	23.40
		50	0	22.41	22.40	22.37
		50	25	22.52	22.54	22.41
		50	50	22.54	22.55	22.53
		100	0	22.50	22.51	22.43
	16QAM	1	0	22.56	22.55	22.61
		1	50	22.68	22.67	22.68
		1	99	22.66	22.58	22.63
		50	0	21.47	21.43	21.43
		50	25	21.53	21.52	21.42
		50	50	21.55	21.54	21.48
		100	0	21.51	21.50	21.39
	64QAM	1	0	21.55	21.47	21.41
		1	50	21.61	21.66	21.52
		1	99	21.59	21.59	21.46
		50	0	20.42	20.39	20.38
		50	25	20.50	20.54	20.43
		50	50	20.53	20.52	20.51
		100	0	20.53	20.53	20.41
	256QAM	1	0	18.59	18.47	18.41
		1	50	18.58	18.65	18.48
		1	99	18.65	18.53	18.56
		50	0	18.48	18.48	18.36
		50	25	18.54	18.56	18.45
		50	50	18.59	18.49	18.53
		100	0	18.55	18.55	18.50

CA_66B

CA_66B (Ant1)									
Combination 10MHz+10MHz (50RB+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	
132022	1715	132121	1724.9	QPSK	1	49	1	0	23.86
				16QAM	1	49	1	0	23.36
				64QAM	1	49	1	0	21.73
				256QAM	1	49	1	0	19.11
132373	1750.1	132472	1760	QPSK	1	49	1	0	23.92
				16QAM	1	49	1	0	23.25
				64QAM	1	49	1	0	21.69
				256QAM	1	49	1	0	19.04
132523	1765.1	132622	1775	QPSK	1	49	1	0	23.78
				16QAM	1	49	1	0	23.21
				64QAM	1	49	1	0	21.63
				256QAM	1	49	1	0	19.12
Combination 15MHz+5MHz (75RB+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	
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	23.75
				16QAM	1	74	1	0	23.16
				64QAM	1	74	1	0	21.58
				256QAM	1	74	1	0	18.91
132398	1752.6	132491	1761.9	QPSK	1	74	1	0	23.71
				16QAM	1	74	1	0	23.06
				64QAM	1	74	1	0	21.50
				256QAM	1	74	1	0	18.81
132549	1767.7	132642	1777	QPSK	1	74	1	0	23.60
				16QAM	1	74	1	0	23.10
				64QAM	1	74	1	0	21.44
				256QAM	1	74	1	0	19.03

CA_66B (Ant1)									
Combination 5MHz+15MHz (25RB+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	
132002	1713	132095	1722.3	QPSK	1	24	1	0	23.69
				16QAM	1	24	1	0	23.14
				64QAM	1	24	1	0	21.54
				256QAM	1	24	1	0	18.91
132353	1748.1	132446	1757.4	QPSK	1	24	1	0	23.78
				16QAM	1	24	1	0	23.10
				64QAM	1	24	1	0	21.45
				256QAM	1	24	1	0	18.74
132504	1763.2	132597	1772.5	QPSK	1	24	1	0	23.52
				16QAM	1	24	1	0	23.10
				64QAM	1	24	1	0	21.38
				256QAM	1	24	1	0	19.02
Combination 10MHz+5MHz (50RB+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	
132022	1715	132094	1722.2	QPSK	1	49	1	0	23.63
				16QAM	1	49	1	0	23.23
				64QAM	1	49	1	0	21.57
				256QAM	1	49	1	0	18.99
132397	1752.5	132469	1759.7	QPSK	1	49	1	0	23.84
				16QAM	1	49	1	0	23.13
				64QAM	1	49	1	0	21.54
				256QAM	1	49	1	0	18.74
132572	1770	132644	1777.2	QPSK	1	49	1	0	23.55
				16QAM	1	49	1	0	23.06
				64QAM	1	49	1	0	21.44
				256QAM	1	49	1	0	18.93

CA_66B (Ant1)									
Combination 5MHz+10MHz (25RB+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	
132000	1712.8	132072	1720	QPSK	1	24	1	0	23.65
				16QAM	1	24	1	0	23.11
				64QAM	1	24	1	0	21.52
				256QAM	1	24	1	0	19.03
132375	1750.3	132447	1757.5	QPSK	1	24	1	0	23.74
				16QAM	1	24	1	0	23.06
				64QAM	1	24	1	0	21.54
				256QAM	1	24	1	0	18.79
132550	1767.8	132622	1775	QPSK	1	24	1	0	23.53
				16QAM	1	24	1	0	23.05
				64QAM	1	24	1	0	21.46
				256QAM	1	24	1	0	18.97
Combination 5MHz+5MHz (25RB+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	
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	23.60
				16QAM	1	24	1	0	23.06
				64QAM	1	24	1	0	21.42
				256QAM	1	24	1	0	18.91
132398	1777.5	132446	1782.3	QPSK	1	24	1	0	23.74
				16QAM	1	24	1	0	22.91
				64QAM	1	24	1	0	21.48
				256QAM	1	24	1	0	18.73
132599	1772.7	132647	1777.5	QPSK	1	24	1	0	23.41
				16QAM	1	24	1	0	23.07
				64QAM	1	24	1	0	21.42
				256QAM	1	24	1	0	19.00

CA_66C (Ant1)									
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	
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.76
				16QAM	1	99	1	0	23.14
				64QAM	1	99	1	0	21.21
				256QAM	1	99	1	0	19.09
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	**23.91**
				16QAM	1	99	1	0	23.00
				64QAM	1	99	1	0	21.53
				256QAM	1	99	1	0	18.90
132374	1750.2	132572	1770	QPSK	1	99	1	0	23.76
				16QAM	1	99	1	0	22.91
				64QAM	1	99	1	0	21.14
				256QAM	1	99	1	0	18.98
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	
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.55
				16QAM	1	99	1	0	23.01
				64QAM	1	99	1	0	21.14
				256QAM	1	99	1	0	19.05
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	23.75
				16QAM	1	99	1	0	22.92
				64QAM	1	99	1	0	21.36
				256QAM	1	99	1	0	18.75
132374	1750.2	132572	1770	QPSK	1	99	1	0	23.55
				16QAM	1	99	1	0	22.78
				64QAM	1	99	1	0	20.95
				256QAM	1	99	1	0	18.89

CA_66C (Ant1)									
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	
132050	1717.8	132221	1734.9	QPSK	1	74	1	0	23.59
				16QAM	1	74	1	0	22.87
				64QAM	1	74	1	0	21.07
				256QAM	1	74	1	0	19.07
132325	1745.3	132496	1762.4	QPSK	1	74	1	0	23.62
				16QAM	1	74	1	0	22.89
				64QAM	1	74	1	0	21.32
				256QAM	1	74	1	0	18.66
132401	1752.9	132572	1770	QPSK	1	74	1	0	23.51
				16QAM	1	74	1	0	22.74
				64QAM	1	74	1	0	21.01
				256QAM	1	74	1	0	18.89
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	
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.60
				16QAM	1	99	1	0	22.92
				64QAM	1	99	1	0	21.12
				256QAM	1	99	1	0	18.96
132373	1750.1	132517	1764.5	QPSK	1	99	1	0	23.72
				16QAM	1	99	1	0	22.91
				64QAM	1	99	1	0	21.30
				256QAM	1	99	1	0	18.72
132473	1760.1	132617	1774.5	QPSK	1	99	1	0	23.48
				16QAM	1	99	1	0	22.79
				64QAM	1	99	1	0	20.97
				256QAM	1	99	1	0	18.82

CA_66C (Ant1)									
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	
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.58
				16QAM	1	49	1	0	22.89
				64QAM	1	49	1	0	21.05
				256QAM	1	49	1	0	18.97
132328	1745.6	132472	1760	QPSK	1	49	1	0	23.70
				16QAM	1	49	1	0	22.93
				64QAM	1	49	1	0	21.29
				256QAM	1	49	1	0	18.70
132428	1755.6	132572	1770	QPSK	1	49	1	0	23.48
				16QAM	1	49	1	0	22.74
				64QAM	1	49	1	0	20.93
				256QAM	1	49	1	0	18.77
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	
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.46
				16QAM	1	74	1	0	22.80
				64QAM	1	74	1	0	21.02
				256QAM	1	74	1	0	18.85
132347	1747.5	132497	1762.5	QPSK	1	74	1	0	23.63
				16QAM	1	74	1	0	22.82
				64QAM	1	74	1	0	21.29
				256QAM	1	74	1	0	18.66
132447	1757.5	132597	1772.5	QPSK	1	74	1	0	23.34
				16QAM	1	74	1	0	22.67
				64QAM	1	74	1	0	20.88
				256QAM	1	74	1	0	18.69

CA_66C (Ant1)									
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	
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.57
				16QAM	1	74	1	0	22.91
				64QAM	1	74	1	0	21.04
				256QAM	1	74	1	0	18.97
132373	1750.1	132493	1762.1	QPSK	1	74	1	0	23.60
				16QAM	1	74	1	0	22.75
				64QAM	1	74	1	0	21.26
				256QAM	1	74	1	0	18.59
132499	1762.7	132619	1774.7	QPSK	1	74	1	0	23.32
				16QAM	1	74	1	0	22.71
				64QAM	1	74	1	0	20.93
				256QAM	1	74	1	0	18.66
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	
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.46
				16QAM	1	49	1	0	22.93
				64QAM	1	49	1	0	21.12
				256QAM	1	49	1	0	18.93
132351	1747.9	132471	1759.9	QPSK	1	49	1	0	23.67
				16QAM	1	49	1	0	22.84
				64QAM	1	49	1	0	21.30
				256QAM	1	49	1	0	18.61
132477	1760.5	132597	1772.5	QPSK	1	49	1	0	23.42
				16QAM	1	49	1	0	22.65
				64QAM	1	49	1	0	20.97
				256QAM	1	49	1	0	18.63

CA_66C (Ant1)									
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	
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.50
				16QAM	1	99	1	0	22.91
				64QAM	1	99	1	0	21.04
				256QAM	1	99	1	0	18.86
132397	1752.5	132514	1764.2	QPSK	1	99	1	0	23.58
				16QAM	1	99	1	0	22.80
				64QAM	1	99	1	0	21.27
				256QAM	1	99	1	0	18.65
132522	1765	132639	1776.7	QPSK	1	99	1	0	23.43
				16QAM	1	99	1	0	22.72
				64QAM	1	99	1	0	20.95
				256QAM	1	99	1	0	18.70
Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
132005	1713.3	132122	1725	QPSK	1	24	1	0	23.39
				16QAM	1	24	1	0	22.79
				64QAM	1	24	1	0	21.04
				256QAM	1	24	1	0	18.84
132330	1745.8	132447	1757.5	QPSK	1	24	1	0	23.64
				16QAM	1	24	1	0	22.79
				64QAM	1	24	1	0	21.31
				256QAM	1	24	1	0	18.58
132455	1758.3	132572	1770	QPSK	1	24	1	0	23.27
				16QAM	1	24	1	0	22.58
				64QAM	1	24	1	0	20.92
				256QAM	1	24	1	0	18.59

EIRP

LTE BAND 4						
1.4MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19957	1710.7	23.38	-1.31	22.07	161.06	1
20175	1732.5	23.40	-1.31	22.09	161.81	1
20393	1754.3	23.38	-1.31	22.07	161.06	1

1.4MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19957	1710.7	22.70	-1.31	21.39	137.72	1
20175	1732.5	22.80	-1.31	21.49	140.93	1
20393	1754.3	22.60	-1.31	21.29	134.59	1

1.4MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19957	1710.7	21.53	-1.31	20.22	105.20	1
20175	1732.5	21.55	-1.31	20.24	105.68	1
20393	1754.3	21.60	-1.31	20.29	106.91	1

1.4MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19957	1710.7	18.65	-1.31	17.34	54.20	1
20175	1732.5	18.69	-1.31	17.38	54.70	1
20393	1754.3	18.61	-1.31	17.30	53.70	1

3MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19965	1711.5	23.40	-1.31	22.09	161.81	1
20175	1732.5	23.42	-1.31	22.11	162.55	1
20385	1753.5	23.34	-1.31	22.03	159.59	1

3MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19965	1711.5	22.70	-1.31	21.39	137.72	1
20175	1732.5	22.78	-1.31	21.47	140.28	1
20385	1753.5	22.54	-1.31	21.23	132.74	1

3MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19965	1711.5	21.61	-1.31	20.30	107.15	1
20175	1732.5	21.53	-1.31	20.22	105.20	1
20385	1753.5	21.55	-1.31	20.24	105.68	1

3MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19965	1711.5	18.55	-1.31	17.24	52.97	1
20175	1732.5	18.62	-1.31	17.31	53.83	1
20385	1753.5	18.64	-1.31	17.33	54.08	1

5MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19975	1712.5	23.40	-1.31	22.09	161.81	1
20175	1732.5	23.43	-1.31	22.12	162.93	1
20375	1752.5	23.40	-1.31	22.09	161.81	1

5MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19975	1712.5	22.67	-1.31	21.36	136.77	1
20175	1732.5	22.76	-1.31	21.45	139.64	1
20375	1752.5	22.64	-1.31	21.33	135.83	1

5MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19975	1712.5	21.60	-1.31	20.29	106.91	1
20175	1732.5	21.51	-1.31	20.20	104.71	1
20375	1752.5	21.53	-1.31	20.22	105.20	1

5MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19975	1712.5	18.58	-1.31	17.27	53.33	1
20175	1732.5	18.62	-1.31	17.31	53.83	1
20375	1752.5	18.57	-1.31	17.26	53.21	1

10MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20000	1715	23.42	-1.31	22.11	162.55	1
20175	1732.5	23.37	-1.31	22.06	160.69	1
20350	1750	23.39	-1.31	22.08	161.44	1

10MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20000	1715	22.63	-1.31	21.32	135.52	1
20175	1732.5	22.75	-1.31	21.44	139.32	1
20350	1750	22.59	-1.31	21.28	134.28	1

10MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20000	1715	21.60	-1.31	20.29	106.91	1
20175	1732.5	21.61	-1.31	20.30	107.15	1
20350	1750	21.59	-1.31	20.28	106.66	1

10MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20000	1715	18.61	-1.31	17.30	53.70	1
20175	1732.5	18.66	-1.31	17.35	54.33	1
20350	1750	18.59	-1.31	17.28	53.46	1

15MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20025	1717.5	23.43	-1.31	22.12	162.93	1
20175	1732.5	23.37	-1.31	22.06	160.69	1
20325	1747.5	23.40	-1.31	22.09	161.81	1

15MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20025	1717.5	22.68	-1.31	21.37	137.09	1
20175	1732.5	22.78	-1.31	21.47	140.28	1
20325	1747.5	22.55	-1.31	21.24	133.05	1

15MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20025	1717.5	21.52	-1.31	20.21	104.95	1
20175	1732.5	21.63	-1.31	20.32	107.65	1
20325	1747.5	21.64	-1.31	20.33	107.89	1

15MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20025	1717.5	18.58	-1.31	17.27	53.33	1
20175	1732.5	18.65	-1.31	17.34	54.20	1
20325	1747.5	18.56	-1.31	17.25	53.09	1

20MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20050	1720	23.44	-1.31	22.13	163.31	1
20175	1732.5	23.48	-1.31	22.17	164.82	1
20300	1745	23.46	-1.31	22.15	164.06	1

20MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20050	1720	22.71	-1.31	21.40	138.04	1
20175	1732.5	22.86	-1.31	21.55	142.89	1
20300	1745	22.68	-1.31	21.37	137.09	1

20MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20050	1720	21.65	-1.31	20.34	108.14	1
20175	1732.5	21.65	-1.31	20.34	108.14	1
20300	1745	21.65	-1.31	20.34	108.14	1

20MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20050	1720	18.70	-1.31	17.39	54.83	1
20175	1732.5	18.70	-1.31	17.39	54.83	1
20300	1745	18.65	-1.31	17.34	54.20	1

LTE BAND 66						
1.4MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	23.39	-1.31	22.08	161.44	1
132322	1745	23.41	-1.31	22.10	162.18	1
132665	1779.3	23.34	-1.31	22.03	159.59	1

1.4MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	22.58	-1.31	21.27	133.97	1
132322	1745	22.60	-1.31	21.29	134.59	1
132665	1779.3	22.67	-1.31	21.36	136.77	1

1.4MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	21.50	-1.31	20.19	104.47	1
132322	1745	21.60	-1.31	20.29	106.91	1
132665	1779.3	21.44	-1.31	20.13	103.04	1

1.4MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	18.58	-1.31	17.27	53.33	1
132322	1745	18.62	-1.31	17.31	53.83	1
132665	1779.3	18.46	-1.31	17.15	51.88	1

3MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	23.43	-1.31	22.12	162.93	1
132322	1745	23.45	-1.31	22.14	163.68	1
132657	1778.5	23.36	-1.31	22.05	160.32	1

3MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	22.66	-1.31	21.35	136.46	1
132322	1745	22.53	-1.31	21.22	132.43	1
132657	1778.5	22.60	-1.31	21.29	134.59	1

3MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	21.58	-1.31	20.27	106.41	1
132322	1745	21.65	-1.31	20.34	108.14	1
132657	1778.5	21.43	-1.31	20.12	102.80	1

3MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	18.55	-1.31	17.24	52.97	1
132322	1745	18.64	-1.31	17.33	54.08	1
132657	1778.5	18.49	-1.31	17.18	52.24	1

5MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	23.42	-1.31	22.11	162.55	1
132322	1745	23.37	-1.31	22.06	160.69	1
132647	1777.5	23.31	-1.31	22.00	158.49	1

5MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	22.60	-1.31	21.29	134.59	1
132322	1745	22.55	-1.31	21.24	133.05	1
132647	1777.5	22.67	-1.31	21.36	136.77	1

5MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	21.56	-1.31	20.25	105.93	1
132322	1745	21.59	-1.31	20.28	106.66	1
132647	1777.5	21.42	-1.31	20.11	102.57	1

5MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	18.57	-1.31	17.26	53.21	1
132322	1745	18.55	-1.31	17.24	52.97	1
132647	1777.5	18.44	-1.31	17.13	51.64	1

10MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	23.46	-1.31	22.15	164.06	1
132322	1745	23.42	-1.31	22.11	162.55	1
132622	1775	23.37	-1.31	22.06	160.69	1

10MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	22.61	-1.31	21.30	134.90	1
132322	1745	22.60	-1.31	21.29	134.59	1
132622	1775	22.65	-1.31	21.34	136.14	1

10MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	21.58	-1.31	20.27	106.41	1
132322	1745	21.65	-1.31	20.34	108.14	1
132622	1775	21.43	-1.31	20.12	102.80	1

10MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	18.61	-1.31	17.30	53.70	1
132322	1745	18.61	-1.31	17.30	53.70	1
132622	1775	18.52	-1.31	17.21	52.60	1

15MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	23.42	-1.31	22.11	162.55	1
132322	1745	23.40	-1.31	22.09	161.81	1
132597	1772.5	23.33	-1.31	22.02	159.22	1

15MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	22.63	-1.31	21.32	135.52	1
132322	1745	22.65	-1.31	21.34	136.14	1
132597	1772.5	22.64	-1.31	21.33	135.83	1

15MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	21.60	-1.31	20.29	106.91	1
132322	1745	21.59	-1.31	20.28	106.66	1
132597	1772.5	21.45	-1.31	20.14	103.28	1

15MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	18.58	-1.31	17.27	53.33	1
132322	1745	18.52	-1.31	17.21	52.60	1
132597	1772.5	18.55	-1.31	17.24	52.97	1

20MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	23.48	-1.31	22.17	164.82	1
132322	1745	23.50	-1.31	22.19	165.58	1
132572	1770	23.40	-1.31	22.09	161.81	1

20MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	22.68	-1.31	21.37	137.09	1
132322	1745	22.67	-1.31	21.36	136.77	1
132572	1770	22.68	-1.31	21.37	137.09	1

20MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	21.61	-1.31	20.30	107.15	1
132322	1745	21.66	-1.31	20.35	108.39	1
132572	1770	21.52	-1.31	20.21	104.95	1

20MHz 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	18.65	-1.31	17.34	54.20	1
132322	1745	18.65	-1.31	17.34	54.20	1
132572	1770	18.56	-1.31	17.25	53.09	1

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

CA-66B

CA_66B_Ant1													
Combination 10MHz+10MHz (50RB+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					
132022	1715	132121	1724.9	QPSK	1	49	1	0	23.86	-1.31	22.55	179.89	1
				16QAM	1	49	1	0	23.36	-1.31	22.05	160.32	1
				64QAM	1	49	1	0	21.73	-1.31	20.42	110.15	1
				256QAM	1	49	1	0	19.11	-1.31	17.80	60.26	1
132373	1750.1	132472	1760	QPSK	1	49	1	0	23.92	-1.31	22.61	182.39	1
				16QAM	1	49	1	0	23.25	-1.31	21.94	156.31	1
				64QAM	1	49	1	0	21.69	-1.31	20.38	109.14	1
				256QAM	1	49	1	0	19.04	-1.31	17.73	59.29	1
132523	1765.1	132622	1775	QPSK	1	49	1	0	23.78	-1.31	22.47	176.60	1
				16QAM	1	49	1	0	23.21	-1.31	21.90	154.88	1
				64QAM	1	49	1	0	21.63	-1.31	20.32	107.65	1
				256QAM	1	49	1	0	19.12	-1.31	17.81	60.39	1

CA_66B_Ant1													
Combination 15MHz+5MHz (75RB+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					
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	23.75	-1.31	22.44	175.39	1
				16QAM	1	74	1	0	23.16	-1.31	21.85	153.11	1
				64QAM	1	74	1	0	21.58	-1.31	20.27	106.41	1
				256QAM	1	74	1	0	18.91	-1.31	17.60	57.54	1
132398	1752.6	132491	1761.9	QPSK	1	74	1	0	23.71	-1.31	22.40	173.78	1
				16QAM	1	74	1	0	23.06	-1.31	21.75	149.62	1
				64QAM	1	74	1	0	21.50	-1.31	20.19	104.47	1
				256QAM	1	74	1	0	18.81	-1.31	17.50	56.23	1
132549	1767.7	132642	1777	QPSK	1	74	1	0	23.60	-1.31	22.29	169.43	1
				16QAM	1	74	1	0	23.10	-1.31	21.79	151.01	1
				64QAM	1	74	1	0	21.44	-1.31	20.13	103.04	1
				256QAM	1	74	1	0	19.03	-1.31	17.72	59.16	1

CA_66B_Ant1													
Combination 5MHz+15MHz (25RB+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					
132002	1713	132095	1722.3	QPSK	1	24	1	0	23.69	-1.31	22.38	172.98	1
				16QAM	1	24	1	0	23.14	-1.31	21.83	152.41	1
				64QAM	1	24	1	0	21.54	-1.31	20.23	105.44	1
				256QAM	1	24	1	0	18.91	-1.31	17.60	57.54	1
132353	1748.1	132446	1757.4	QPSK	1	24	1	0	23.78	-1.31	22.47	176.60	1
				16QAM	1	24	1	0	23.10	-1.31	21.79	151.01	1
				64QAM	1	24	1	0	21.45	-1.31	20.14	103.28	1
				256QAM	1	24	1	0	18.74	-1.31	17.43	55.34	1
132504	1763.2	132597	1772.5	QPSK	1	24	1	0	23.52	-1.31	22.21	166.34	1
				16QAM	1	24	1	0	23.10	-1.31	21.79	151.01	1
				64QAM	1	24	1	0	21.38	-1.31	20.07	101.62	1
				256QAM	1	24	1	0	19.02	-1.31	17.71	59.02	1

CA_66B_Ant1													
Combination 10MHz+5MHz (50RB+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					
132022	1715	132094	1722.2	QPSK	1	49	1	0	23.63	-1.31	22.32	170.61	1
				16QAM	1	49	1	0	23.23	-1.31	21.92	155.60	1
				64QAM	1	49	1	0	21.57	-1.31	20.26	106.17	1
				256QAM	1	49	1	0	18.99	-1.31	17.68	58.61	1
132397	1752.5	132469	1759.7	QPSK	1	49	1	0	23.84	-1.31	22.53	179.06	1
				16QAM	1	49	1	0	23.13	-1.31	21.82	152.05	1
				64QAM	1	49	1	0	21.54	-1.31	20.23	105.44	1
				256QAM	1	49	1	0	18.74	-1.31	17.43	55.34	1
132572	1770	132644	1777.2	QPSK	1	49	1	0	23.55	-1.31	22.24	167.49	1
				16QAM	1	49	1	0	23.06	-1.31	21.75	149.62	1
				64QAM	1	49	1	0	21.44	-1.31	20.13	103.04	1
				256QAM	1	49	1	0	18.93	-1.31	17.62	57.81	1

CA_66B_Ant1													
Combination 5MHz+10MHz (25RB+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					
132000	1712.8	132072	1720	QPSK	1	24	1	0	23.65	-1.31	22.34	171.40	1
				16QAM	1	24	1	0	23.11	-1.31	21.80	151.36	1
				64QAM	1	24	1	0	21.52	-1.31	20.21	104.95	1
				256QAM	1	24	1	0	19.03	-1.31	17.72	59.16	1
132375	1750.3	132447	1757.5	QPSK	1	24	1	0	23.74	-1.31	22.43	174.98	1
				16QAM	1	24	1	0	23.06	-1.31	21.75	149.62	1
				64QAM	1	24	1	0	21.54	-1.31	20.23	105.44	1
				256QAM	1	24	1	0	18.79	-1.31	17.48	55.98	1
132550	1767.8	132622	1775	QPSK	1	24	1	0	23.53	-1.31	22.22	166.72	1
				16QAM	1	24	1	0	23.05	-1.31	21.74	149.28	1
				64QAM	1	24	1	0	21.46	-1.31	20.15	103.51	1
				256QAM	1	24	1	0	18.97	-1.31	17.66	58.34	1

CA_66B_Ant1													
Combination 5MHz+5MHz (25RB+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					
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	23.60	-1.31	22.29	169.43	1
				16QAM	1	24	1	0	23.06	-1.31	21.75	149.62	1
				64QAM	1	24	1	0	21.42	-1.31	20.11	102.57	1
				256QAM	1	24	1	0	18.91	-1.31	17.60	57.54	1
132398	1777.5	132446	1782.3	QPSK	1	24	1	0	23.74	-1.31	22.43	174.98	1
				16QAM	1	24	1	0	22.91	-1.31	21.60	144.54	1
				64QAM	1	24	1	0	21.48	-1.31	20.17	103.99	1
				256QAM	1	24	1	0	18.73	-1.31	17.42	55.21	1
132599	1772.7	132647	1777.5	QPSK	1	24	1	0	23.41	-1.31	22.10	162.18	1
				16QAM	1	24	1	0	23.07	-1.31	21.76	149.97	1
				64QAM	1	24	1	0	21.42	-1.31	20.11	102.57	1
				256QAM	1	24	1	0	19.00	-1.31	17.69	58.75	1

CA-66C

CA_66C_Ant1												
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					
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.76	-1.31	22.45	175.79	1
				16QAM	1	99	1	0	23.14	-1.31	21.83	152.41	1
				64QAM	1	99	1	0	21.21	-1.31	19.90	97.72	1
				256QAM	1	99	1	0	19.09	-1.31	17.78	59.98	1
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	23.91	-1.31	22.60	181.97	1
				16QAM	1	99	1	0	23.00	-1.31	21.69	147.57	1
				64QAM	1	99	1	0	21.53	-1.31	20.22	105.20	1
				256QAM	1	99	1	0	18.90	-1.31	17.59	57.41	1
132374	1750.2	132572	1770	QPSK	1	99	1	0	23.76	-1.31	22.45	175.79	1
				16QAM	1	99	1	0	22.91	-1.31	21.60	144.54	1
				64QAM	1	99	1	0	21.14	-1.31	19.83	96.16	1
				256QAM	1	99	1	0	18.98	-1.31	17.67	58.48	1

CA_66C_Ant1													
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					
132072	1720	132243	1737.1	QPSK	1	99	1	0	23.55	-1.31	22.24	167.49	1
				16QAM	1	99	1	0	23.01	-1.31	21.70	147.91	1
				64QAM	1	99	1	0	21.14	-1.31	19.83	96.16	1
				256QAM	1	99	1	0	19.05	-1.31	17.74	59.43	1
132348	1747.6	132519	1764.7	QPSK	1	99	1	0	23.75	-1.31	22.44	175.39	1
				16QAM	1	99	1	0	22.92	-1.31	21.61	144.88	1
				64QAM	1	99	1	0	21.36	-1.31	20.05	101.16	1
				256QAM	1	99	1	0	18.75	-1.31	17.44	55.46	1
132423	1755.1	132594	1772.2	QPSK	1	99	1	0	23.55	-1.31	22.24	167.49	1
				16QAM	1	99	1	0	22.78	-1.31	21.47	140.28	1
				64QAM	1	99	1	0	20.95	-1.31	19.64	92.04	1
				256QAM	1	99	1	0	18.89	-1.31	17.58	57.28	1

CA_66C_Ant1												
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					
132050	1717.8	132221	1734.9	QPSK	1	74	1	0	23.59	-1.31	22.28	169.04	1
				16QAM	1	74	1	0	22.87	-1.31	21.56	143.22	1
				64QAM	1	74	1	0	21.07	-1.31	19.76	94.62	1
				256QAM	1	74	1	0	19.07	-1.31	17.76	59.70	1
132325	1745.3	132496	1762.4	QPSK	1	74	1	0	23.62	-1.31	22.31	170.22	1
				16QAM	1	74	1	0	22.89	-1.31	21.58	143.88	1
				64QAM	1	74	1	0	21.32	-1.31	20.01	100.23	1
				256QAM	1	74	1	0	18.66	-1.31	17.35	54.33	1
132401	1752.9	132572	1770	QPSK	1	74	1	0	23.51	-1.31	22.20	165.96	1
				16QAM	1	74	1	0	22.74	-1.31	21.43	139.00	1
				64QAM	1	74	1	0	21.01	-1.31	19.70	93.33	1
				256QAM	1	74	1	0	18.89	-1.31	17.58	57.28	1

CA_66C_Ant1													
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					
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.60	-1.31	22.29	169.43	1
				16QAM	1	99	1	0	22.92	-1.31	21.61	144.88	1
				64QAM	1	99	1	0	21.12	-1.31	19.81	95.72	1
				256QAM	1	99	1	0	18.96	-1.31	17.65	58.21	1
132373	1750.1	132517	1764.5	QPSK	1	99	1	0	23.72	-1.31	22.41	174.18	1
				16QAM	1	99	1	0	22.91	-1.31	21.60	144.54	1
				64QAM	1	99	1	0	21.30	-1.31	19.99	99.77	1
				256QAM	1	99	1	0	18.72	-1.31	17.41	55.08	1
132473	1760.1	132617	1774.5	QPSK	1	99	1	0	23.48	-1.31	22.17	164.82	1
				16QAM	1	99	1	0	22.79	-1.31	21.48	140.60	1
				64QAM	1	99	1	0	20.97	-1.31	19.66	92.47	1
				256QAM	1	99	1	0	18.82	-1.31	17.51	56.36	1

CA_66C_Ant1													
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					
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.58	-1.31	22.27	168.66	1
				16QAM	1	49	1	0	22.89	-1.31	21.58	143.88	1
				64QAM	1	49	1	0	21.05	-1.31	19.74	94.19	1
				256QAM	1	49	1	0	18.97	-1.31	17.66	58.34	1
132328	1745.6	132472	1760	QPSK	1	49	1	0	23.70	-1.31	22.39	173.38	1
				16QAM	1	49	1	0	22.93	-1.31	21.62	145.21	1
				64QAM	1	49	1	0	21.29	-1.31	19.98	99.54	1
				256QAM	1	49	1	0	18.70	-1.31	17.39	54.83	1
132428	1755.6	132572	1770	QPSK	1	49	1	0	23.48	-1.31	22.17	164.82	1
				16QAM	1	49	1	0	22.74	-1.31	21.43	139.00	1
				64QAM	1	49	1	0	20.93	-1.31	19.62	91.62	1
				256QAM	1	49	1	0	18.77	-1.31	17.46	55.72	1

CA_66C_Ant1													
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					
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.46	-1.31	22.15	164.06	1
				16QAM	1	74	1	0	22.80	-1.31	21.49	140.93	1
				64QAM	1	74	1	0	21.02	-1.31	19.71	93.54	1
				256QAM	1	74	1	0	18.85	-1.31	17.54	56.75	1
132347	1747.5	132497	1762.5	QPSK	1	74	1	0	23.63	-1.31	22.32	170.61	1
				16QAM	1	74	1	0	22.82	-1.31	21.51	141.58	1
				64QAM	1	74	1	0	21.29	-1.31	19.98	99.54	1
				256QAM	1	74	1	0	18.66	-1.31	17.35	54.33	1
132447	1757.5	132597	1772.5	QPSK	1	74	1	0	23.34	-1.31	22.03	159.59	1
				16QAM	1	74	1	0	22.67	-1.31	21.36	136.77	1
				64QAM	1	74	1	0	20.88	-1.31	19.57	90.57	1
				256QAM	1	74	1	0	18.69	-1.31	17.38	54.70	1

CA_66C_Ant1													
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					
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.57	-1.31	22.26	168.27	1
				16QAM	1	74	1	0	22.91	-1.31	21.60	144.54	1
				64QAM	1	74	1	0	21.04	-1.31	19.73	93.97	1
				256QAM	1	74	1	0	18.97	-1.31	17.66	58.34	1
132373	1750.1	132493	1762.1	QPSK	1	74	1	0	23.60	-1.31	22.29	169.43	1
				16QAM	1	74	1	0	22.75	-1.31	21.44	139.32	1
				64QAM	1	74	1	0	21.26	-1.31	19.95	98.86	1
				256QAM	1	74	1	0	18.59	-1.31	17.28	53.46	1
132499	1762.7	132619	1774.7	QPSK	1	74	1	0	23.32	-1.31	22.01	158.85	1
				16QAM	1	74	1	0	22.71	-1.31	21.40	138.04	1
				64QAM	1	74	1	0	20.93	-1.31	19.62	91.62	1
				256QAM	1	74	1	0	18.66	-1.31	17.35	54.33	1

CA_66C_Ant1													
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					
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.46	-1.31	22.15	164.06	1
				16QAM	1	49	1	0	22.93	-1.31	21.62	145.21	1
				64QAM	1	49	1	0	21.12	-1.31	19.81	95.72	1
				256QAM	1	49	1	0	18.93	-1.31	17.62	57.81	1
132351	1747.9	132471	1759.9	QPSK	1	49	1	0	23.67	-1.31	22.36	172.19	1
				16QAM	1	49	1	0	22.84	-1.31	21.53	142.23	1
				64QAM	1	49	1	0	21.30	-1.31	19.99	99.77	1
				256QAM	1	49	1	0	18.61	-1.31	17.30	53.70	1
132477	1760.5	132597	1772.5	QPSK	1	49	1	0	23.42	-1.31	22.11	162.55	1
				16QAM	1	49	1	0	22.65	-1.31	21.34	136.14	1
				64QAM	1	49	1	0	20.97	-1.31	19.66	92.47	1
				256QAM	1	49	1	0	18.63	-1.31	17.32	53.95	1

CA_66C_Ant1													
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					
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.50	-1.31	22.19	165.58	1
				16QAM	1	99	1	0	22.91	-1.31	21.60	144.54	1
				64QAM	1	99	1	0	21.04	-1.31	19.73	93.97	1
				256QAM	1	99	1	0	18.86	-1.31	17.55	56.89	1
132397	1752.5	132514	1764.2	QPSK	1	99	1	0	23.58	-1.31	22.27	168.66	1
				16QAM	1	99	1	0	22.80	-1.31	21.49	140.93	1
				64QAM	1	99	1	0	21.27	-1.31	19.96	99.08	1
				256QAM	1	99	1	0	18.65	-1.31	17.34	54.20	1
132522	1765	132639	1776.7	QPSK	1	99	1	0	23.43	-1.31	22.12	162.93	1
				16QAM	1	99	1	0	22.72	-1.31	21.41	138.36	1
				64QAM	1	99	1	0	20.95	-1.31	19.64	92.04	1
				256QAM	1	99	1	0	18.70	-1.31	17.39	54.83	1

CA_66C_Ant1													
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					
132005	1713.3	132122	1725	QPSK	1	24	1	0	23.39	-1.31	22.08	161.44	1
				16QAM	1	24	1	0	22.79	-1.31	21.48	140.60	1
				64QAM	1	24	1	0	21.04	-1.31	19.73	93.97	1
				256QAM	1	24	1	0	18.84	-1.31	17.53	56.62	1
132330	1745.8	132447	1757.5	QPSK	1	24	1	0	23.64	-1.31	22.33	171.00	1
				16QAM	1	24	1	0	22.79	-1.31	21.48	140.60	1
				64QAM	1	24	1	0	21.31	-1.31	20.00	100.00	1
				256QAM	1	24	1	0	18.58	-1.31	17.27	53.33	1
132455	1758.3	132572	1770	QPSK	1	24	1	0	23.27	-1.31	21.96	157.04	1
				16QAM	1	24	1	0	22.58	-1.31	21.27	133.97	1
				64QAM	1	24	1	0	20.92	-1.31	19.61	91.41	1
				256QAM	1	24	1	0	18.59	-1.31	17.28	53.46	1

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

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILIITY MEASUREMENT

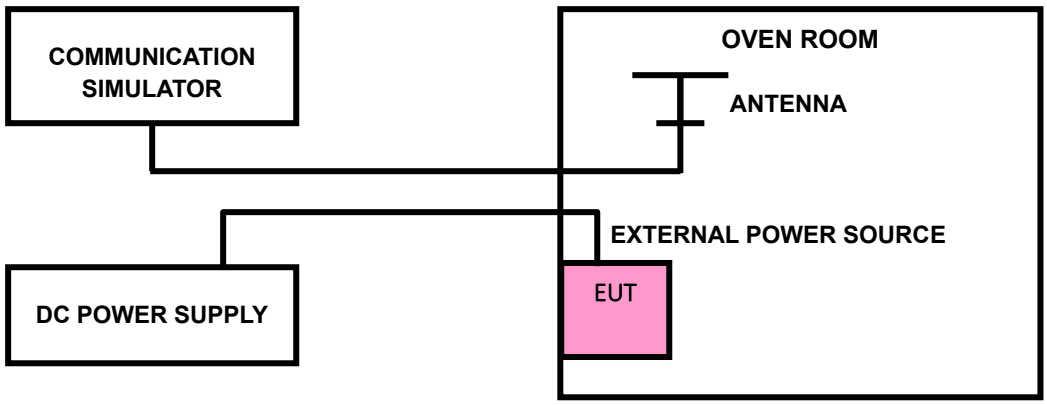
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

3.2.2 TEST PROCEDURE

a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5℃ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

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

3.2.3 TEST SETUP



3.2.4 TEST RESULTS

CA_66B

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

CA_66C

LTE BAND CA_66Cchannel and Frequency List					
BW(MHz)	Channel/Frequcncy(MHz)		Lowest	Middle	Highest
20+20	PCC	channel	132072	132323	132374
		Frequcncy	1720	1745.1	1750.2
	SCC	channel	132270	132521	132572
		Frequcncy	1739.8	1764.9	1770
20+15	PCC	channel	132072	132348	132423
		Frequcncy	1720	1747.6	1755.1
	SCC	channel	132243	132519	132594
		Frequcncy	1737.1	1764.7	1772.2
15+20	PCC	channel	132050	132325	132401
		Frequcncy	1717.8	1745.3	1752.9
	SCC	channel	132221	132496	132572
		Frequcncy	1734.9	1762.4	1770
20+10	PCC	channel	132072	132373	132473
		Frequcncy	1720	1750.1	1760.1
	SCC	channel	132216	132517	132617
		Frequcncy	1734.4	1764.5	1774.5
10+20	PCC	channel	132027	132328	132428
		Frequcncy	1715.5	1745.6	1755.6
	SCC	channel	132171	132472	132572
		Frequcncy	1729.9	1760	1770
15+15	PCC	channel	132047	132347	132447
		Frequcncy	1717.5	1747.5	1757.5
	SCC	channel	132197	132497	132597
		Frequcncy	1732.5	1762.5	1772.5
15+10	PCC	channel	132047	132373	132499
		Frequcncy	1717.5	1750.1	1762.7
	SCC	channel	132167	132493	132619
		Frequcncy	1729.5	1762.1	1774.7
10+15	PCC	channel	132025	132351	132477
		Frequcncy	1715.3	1747.9	1760.5
	SCC	channel	132145	132471	132597
		Frequcncy	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

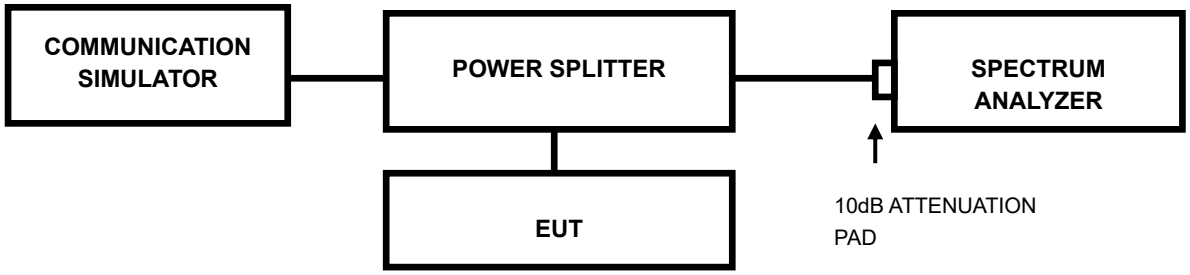
Note: VL = Low voltage(3.6V); VN/NV = Normal voltage(3.87V); VH = High voltage(4.45V);
NT = Normal temperature (25℃)

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

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

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

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

3.3.4 TEST RESULTS

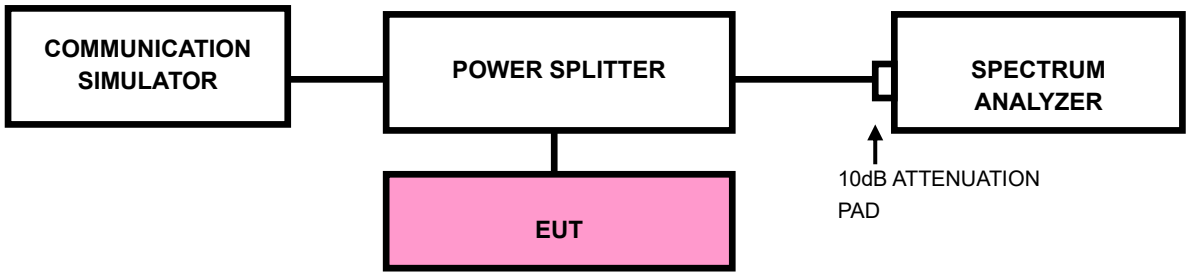
Please Refer to Appendix I Of this test report.

3.4 BAND EDGE MEASUREMENT

3.4.1 LIMITS OF BAND EDGE MEASUREMENT

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

3.4.2 TEST SETUP



3.4.3 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) ≧ 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 ≧3 x RBW.

f) Select the average power (RMS) display detector.

g) Set the number of measurement points to ≧ 1001.

h) Use auto-coupled sweep time.

i) Perform the measurement over an interval of time when the transmission is continuous and at its maximum power level.

j) The RF fundamental frequency should be excluded against the limit line in the operating frequency band and use RBW is 10KHz or 100KHz.

k) Record the max trace plot into the test report.

3.4.4 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

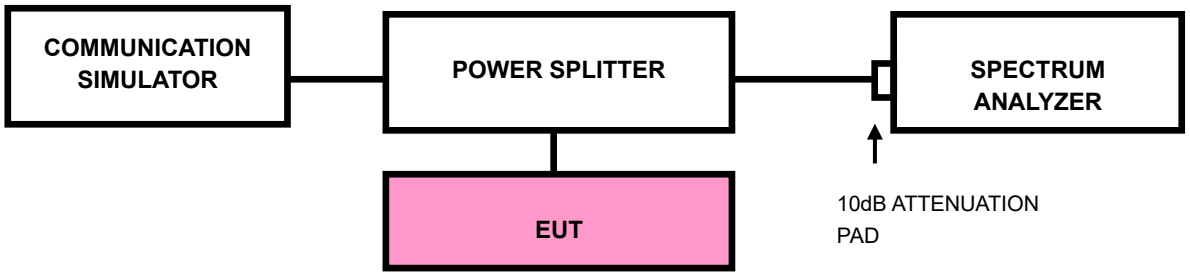
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to –13dBm.

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 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP



3.5.4 TEST RESULTS

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

Please Refer to Appendix 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 –13dBm.

3.6.2 TEST PROCEDURES

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

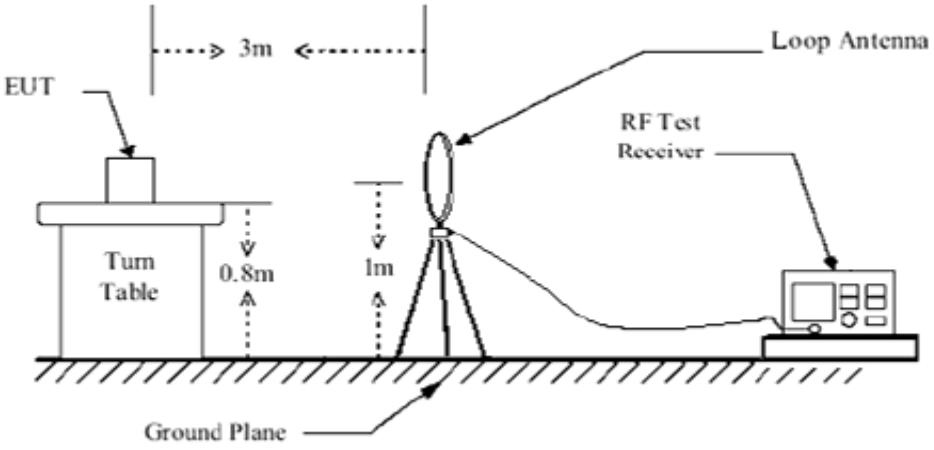
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

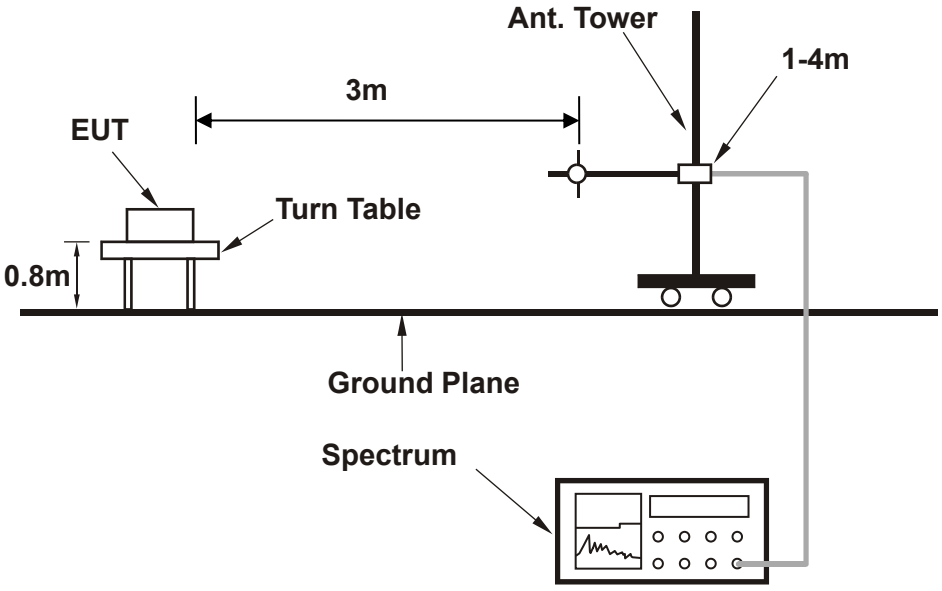
No deviation

3.6.4 TEST SETUP

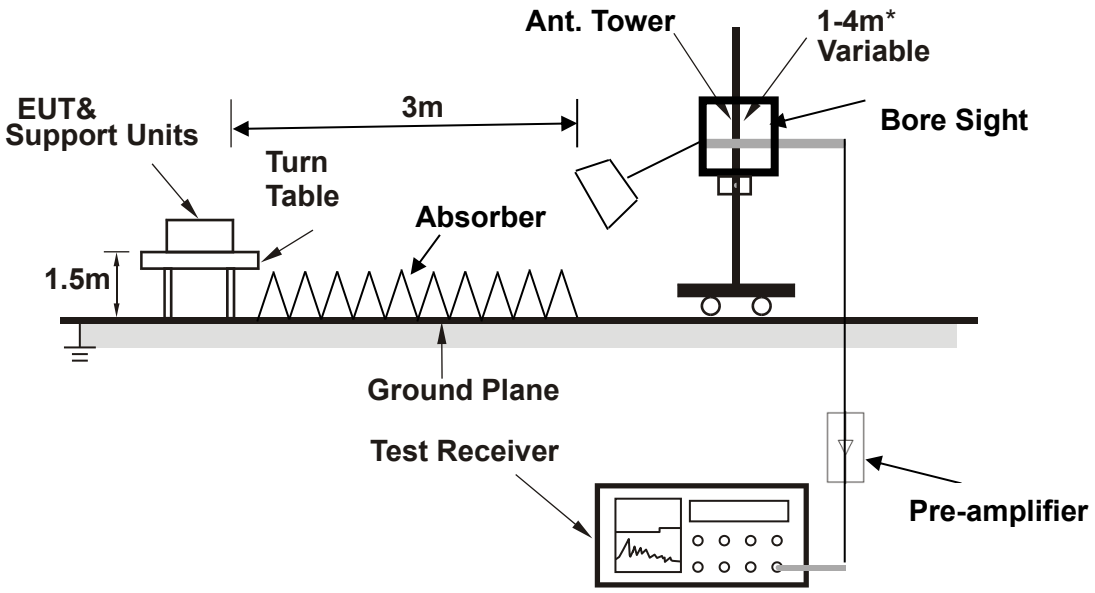
< Frequency Range below 30MHz >



< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



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

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

3.6.5 TEST RESULTS

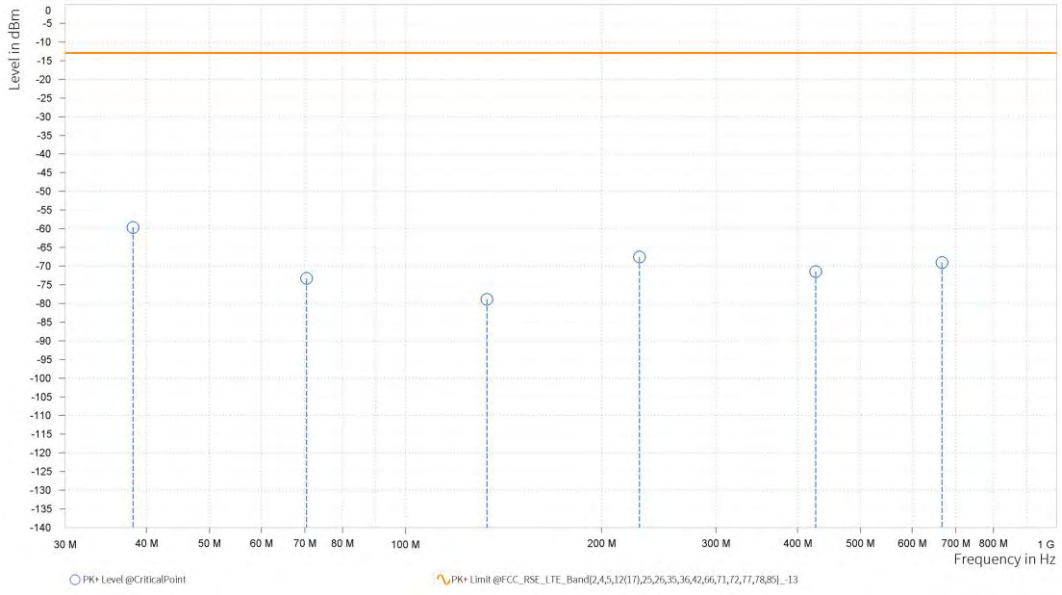
NOTE ： The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

BELOW 1GHz WORST-CASE DATA

CA_2A_4A CHANNEL BANDWIDTH: (20+20) MHz / QPSK			
MODE	TX channel 187900/20175	**FREQUENCY RANGE**	30 MHz – 1GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	AC 120V/60HZ
TESTED BY	Hanwen Xu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

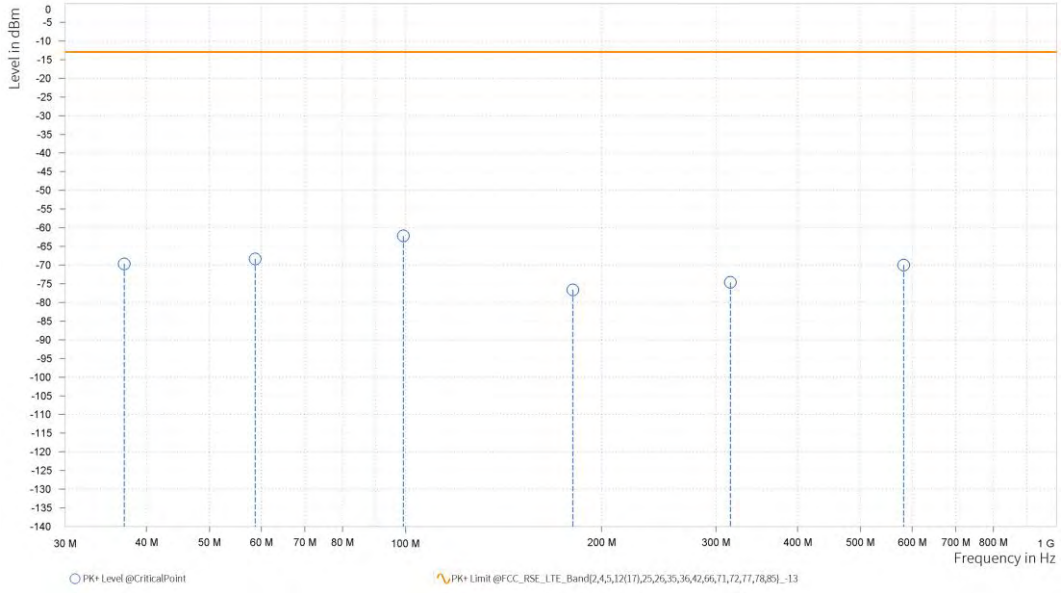
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	38.150	-59.64	-13.00	46.64	5.83	H	5	1.00
1	70.450	-73.29	-13.00	60.29	-4.32	H	1	1.00
1	133.300	-78.88	-13.00	65.88	-7.53	H	332	2.00
1	228.850	-67.55	-13.00	54.55	6.78	H	230	1.00
1	426.550	-71.47	-13.00	58.47	8.03	H	5	1.00
2	667.113	-69.04	-13.00	56.04	7.15	H	159.4	1.00



CA_2A_4A CHANNEL BANDWIDTH: (20+20) MHz / QPSK			
MODE	TX channel 187900/20175	**FREQUENCY RANGE**	30 MHz – 1GHz
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]
1	36.950	-69.66	-13.00	56.66	-2.41	V	149.8	1.00
1	58.750	-68.32	-13.00	55.32	2.27	V	149.8	1.00
1	99.200	-62.19	-13.00	49.19	11.00	V	4.9	1.00
1	180.700	-76.65	-13.00	63.65	-3.27	V	359	2.00
1	315.600	-74.63	-13.00	61.63	3.31	V	1	1.00
2	582.458	-69.98	-13.00	56.98	5.88	V	1	1.00



ABOVE 1GHz

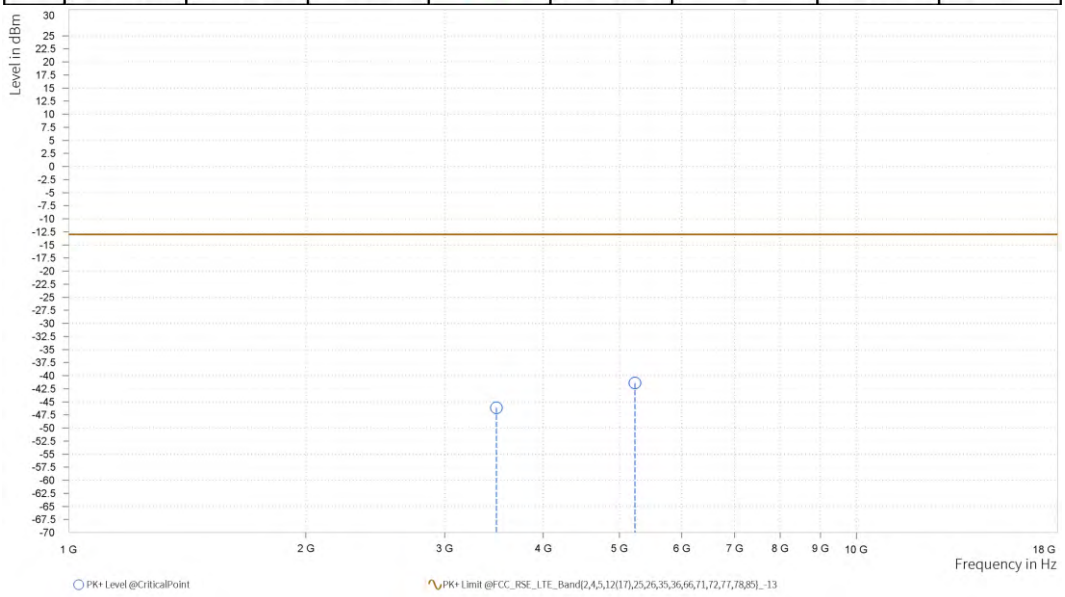
Note: For higher frequency, the emission is too low to be detected.

LTE Band66

CHANNEL BANDWIDTH	1.4MHz / QPSK	**MODE**	TX channel 132322
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	3,488.740	-46.12	-13.00	33.12	26.26	H	1	1.00
4	5,233.110	-41.41	-13.00	28.41	33.18	H	117.8	2.00



CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 132322
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	3,488.740	-46.61	-13.00	33.61	26.03	V	1	1.00
4	5,233.110	-41.06	-13.00	28.06	33.15	V	359	1.00