

VARIANT FCC TEST REPORT

(PART 27)

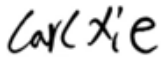
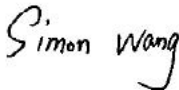
Applicant:	SIMCom Wireless Solutions Limited
Address:	8F,Building3,No.289,Linhong Road,Changning District,Shanghai, P.R.China

Manufacturer or Supplier:	SIMCom Wireless Solutions Limited
Address:	8F,Building3,No.289,Linhong Road,Changning District,Shanghai, P.R.China
Product:	SIM7670G
Brand Name:	SIMCom
Model Name:	SIM7670G
FCC ID	2AJYU-8XS0002
Date of tests	Mar. 04, 2026 ~ Mar. 20, 2026

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

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

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

Prepared by Carl Xie Engineer / Mobile Department	Approved by Simon Wang Manager / Mobile Department
	
Date: Mar. 20, 2026	Date: Mar. 20, 2026

BOOMWAVE TEST (SHENZHEN) CO., LTD. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report. The results documented in this report apply only the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility assure that additional production units of the model are manufactured with identical electrical and mechanical components. All sample tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. Without written approval of BOOMWAVE TEST (SHENZHEN) CO., LTD., the test report shall not be reproduced except in full.

TABLE OF CONTENTS

1. SUMMARY OF TEST RESULTS	4
1.1 MEASUREMENT UNCERTAINTY.....	6
1.2 TEST SITE AND INSTRUMENTS.....	7
2. GENERAL INFORMATION.....	9
2.1 GENERAL DESCRIPTION OF EUT.....	9
2.2 CONFIGURATION OF SYSTEM UNDER TEST	13
2.3 DESCRIPTION OF SUPPORT UNITS	14
2.4 TEST ITEM AND TEST CONFIGURATION	15
2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS.....	18
3. TEST TYPES AND RESULTS	19
3.1 OUTPUT POWER MEASUREMENT	19
3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT.....	19
3.1.2 TEST PROCEDURES	19
3.1.3 TEST SETUP	20
3.1.4 TEST RESULTS	21
3.2 RADIATED EMISSION MEASUREMENT	25
3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	25
3.2.2 TEST PROCEDURES	25
3.2.3 DEVIATION FROM TEST STANDARD	25
3.2.4 TEST SETUP	26
3.2.5 TEST RESULTS	28
4 PHOTOGRAPHS OF THE TEST CONFIGURATION	74
5 INFORMATION ON THE TESTING LABORATORIES	75
6 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB	76

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P23070009RF03	Original release	Sep. 11, 2023
RF20260304B001-Part 27 Report(B7&B12&B13&B71)	Based on the original report, the new product add antenna (model name: WWXL6012681). This report verify power and retest RSE. The verify results of conducted power are similar or lower. So this report update SW version, update antenna gain, ERP/EIRP and RSE test data, for other data, please refer to the original report.	Mar. 20, 2026

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	See note	--
§27.50(c)(10) §27.50(b)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 71)	Compliance	A
§27.50(h)(2)	Equivalent Isotropically Radiated Power (Band 7)	Compliance	A
§2.1055 §27.54	Frequency Stability	See note	--
§2.1049	Occupied Bandwidth	See note	--
§2.1051 §27.53(c)(2)(4) §27.53(g) §27.53(m)(4)(6)	Conducted Band Edge Measurements (Band 7) (Band 12) (Band 13) (Band 71)	See note	--
§2.1051 §27.53(g) §27.53(c)(2)(4) §27.53(m)(4)(6)	Conducted Spurious Emissions (Band 7) (Band 12) (Band 13) (Band 71)	See note	--
§2.1053 §27.53(c)(2)(4) §27.53(g) §27.53(m)(4)(6)	Radiated Spurious Emissions (Band 7) (Band 12) (Band 13) (Band 71)	Compliance	A
§27.50	Peak to average ratio*	See note	--

* Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01.

NOTE: Please refer to the original report (Report No.: W7L-P23070009RF03, FCC ID: 2AJYU-8XS0001).



Test Report No.: RF20260304B001-Part 27 Report(B7&B12&B13&B71)

***Test Lab Information Reference**

Lab A:

Boomwave Test (Shenzhen) Co., Ltd.

Lab Address:

Rm B38, Warehouse A5(Chiwan #1), #3 Chiwan 4th Rd, Chiwan Comm, Zhaoshang St, Nanshan Dist, Shenzhen, Guangdong, Shenzhen, China

Accredited Test Lab Cert 7607.01

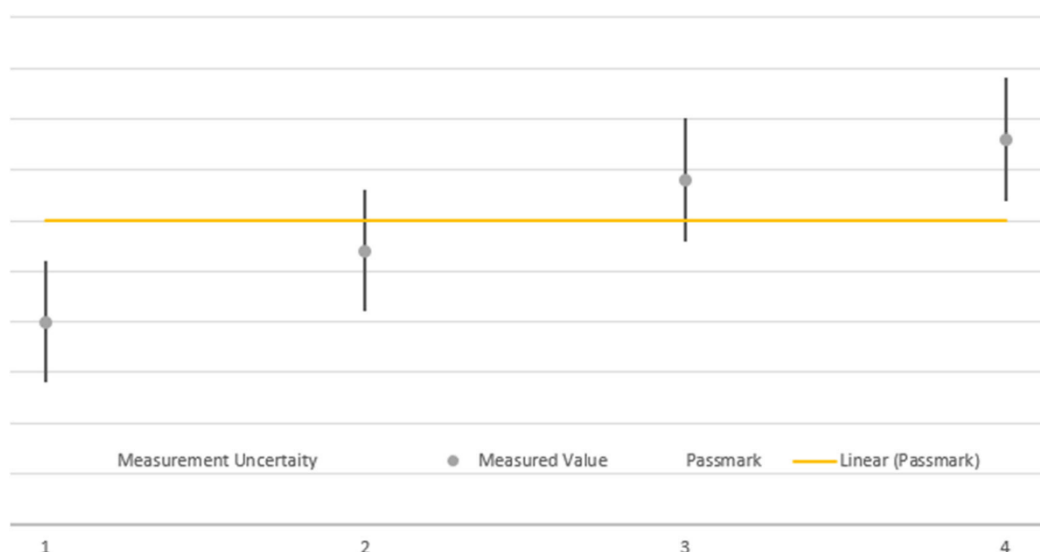
The FCC Site Registration No. is 646781; The Designation No. is CN1429.

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.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	2025/7/3	2026/7/2
BiConiLog Antenna	ETS-LINDGREN	3143B	161965	2025/7/17	2026/7/16
Horn Antenna	SCHWARZBECK	BBHA9120D	3297	2025/9/27	2026/9/26
Horn Antenna	STEATITE	QWH-SL-18-40-K-SG QMS-00361	15433	2025/7/19	2026/7/18
Preamplifier	Tonscend	TPA184045	AP24L8060388	2025/7/3	2026/7/2
MXE EMI Receiver	keysight	N9038B	MY50018017	2025/7/1	2026/6/30
MXG Vector Signal Generator	Keysight	N5183B	MY59100137	2025/6/30	2026/6/29
Preamplifier	Tonscend	TPA001330	806JSAPO40804251015	2025/6/30	2026/6/29
Preamplifier	Tonscend	TPA011845	AP24L8060392	2025/6/30	2026/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927166	2025/6/30	2026/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927165	2025/6/30	2026/6/29
Active Receive Loop Antenna	SCHWARZBECK	FMZB 1519 B	00173	2025/6/30	2026/6/29
Temp. & Humi. Recorder	Kejian	HTC-01	157246	2025/7/2	2026/7/1
HIGH pass FILTER_1-18	EWT	EWT-57-0222	EWT-57-0222	2025/6/30	2026/6/29
HIGH pass FILTER_7-18	EWT	EWT-57-0223	EWT-57-0223	2025/6/30	2026/6/29
HIGH pass FILTER_3-18	EWT	EWT-57-0221	EWT-57-0221	2025/6/30	2026/6/29
DC~1GHz Lowpass Filter	EWT	EWT-56-0649	EWT-56-0649	2025/7/3	2026/7/2
Cable 1	N/A	N/A	N/A	2025/9/28	2026/9/27
Cable 2	N/A	N/A	N/A	2025/9/28	2026/9/27
Cable 3	N/A	N/A	N/A	2025/9/28	2026/9/27
Wireless communication integrated tester	Rohde&Schwarz	CMW500	182016	2025/6/30	2026/6/29
EXA Signal Analyzer	KEYSIGHT	N9010B	MY62170156	2025/6/30	2026/6/29
RF Control Unit	Tonscend	JS0806-1	21K8060504	2025/6/16	2026/6/15
DC Power Supply	AGILENT	HMP2020	100598	2025/7/1	2026/6/30
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-1	2025/6/30	2026/6/29
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-2	2025/6/30	2026/6/29
hygrothermograph	Anymetrers	----	TH101B	2025/7/22	2026/7/21
Temperature Box	zhongkemeiqi	MA22040172	MQ-DTH50F-2	2025/7/1	2026/6/30
power divider	WOKEN	71688	204-003180-01	2025/6/30	2026/6/29



Test Report No.: RF20260304B001-Part 27 Report(B7&B12&B13&B71)

NOTE:

1. The calibration interval of the above test instruments is 12 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 646781; The Designation No. is CN1429.

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	SIM7670G	
BRAND NAME	SIMCom	
MODEL NAME	SIM7670G	
NOMINAL VOLTAGE	EUT 3.8V	
MODULATION TECHNOLOGY	LTE	QPSK, 16QAM
FREQUENCY RANGE	LTE Band 7 Channel Bandwidth: 5MHz	2502.5MHz ~ 2567.5MHz
	LTE Band 7 Channel Bandwidth: 10MHz	2505MHz ~ 2565MHz
	LTE Band 7 Channel Bandwidth: 15MHz	2507.5MHz ~ 2562.5MHz
	LTE Band 7 Channel Bandwidth: 20MHz	2510MHz ~ 2560MHz
	LTE Band 12 Channel Bandwidth: 1.4MHz	699.7MHz ~ 715.3MHz
	LTE Band 12 Channel Bandwidth: 3MHz	700.5MHz ~ 714.5MHz
	LTE Band 12 Channel Bandwidth: 5MHz	701.5MHz ~ 713.5MHz
	LTE Band 12 Channel Bandwidth: 10MHz	704MHz ~ 711MHz
	LTE Band 13 Channel Bandwidth: 5MHz	779.5MHz ~ 784.5MHz
	LTE Band 13 Channel Bandwidth: 10MHz	782MHz
	LTE Band 71 Channel Bandwidth: 5MHz	665.5MHz ~ 695.5MHz
	LTE Band 71 Channel Bandwidth: 10MHz	668MHz ~ 693MHz
	LTE Band 71 Channel Bandwidth: 15MHz	670.5MHz ~ 690.5MHz
	LTE Band 71 Channel Bandwidth: 20MHz	673MHz ~ 688MHz
MAX. EIRP/ERP POWER	LTE Band 7 Channel Bandwidth: 5MHz	641.21mW
	LTE Band 7 Channel Bandwidth: 10MHz	648.63mW
	LTE Band 7 Channel Bandwidth: 15MHz	651.63mW
	LTE Band 7 Channel Bandwidth: 20MHz	659.17mW

	LTE Band 12 Channel Bandwidth: 1.4MHz	374.97mW
	LTE Band 12 Channel Bandwidth: 3MHz	374.11mW
	LTE Band 12 Channel Bandwidth: 5MHz	374.11mW
	LTE Band 12 Channel Bandwidth: 10MHz	377.57mW
	LTE Band 13 Channel Bandwidth: 5MHz	380.19mW
	LTE Band 13 Channel Bandwidth: 10MHz	381.07mW
	LTE Band 71 Channel Bandwidth: 5MHz	281.19mW
	LTE Band 71 Channel Bandwidth: 10MHz	283.14mW
	LTE Band 71 Channel Bandwidth: 15MHz	281.19mW
	LTE Band 71 Channel Bandwidth: 20MHz	285.10mW
EMISSION DESIGNATOR	LTE Band 7 Channel Bandwidth: 5MHz	QPSK: 4M52G7D 16QAM: 4M50W7D
	LTE Band 7 Channel Bandwidth: 10MHz	QPSK:9M01G7D 16QAM: 4M85W7D
	LTE Band 7 Channel Bandwidth: 15MHz	QPSK: 13M5G7D 16QAM: 4M88W7D
	LTE Band 7 Channel Bandwidth: 20MHz	QPSK: 18M0G7D 16QAM: 4M90W7D
	LTE Band 12 Channel Bandwidth: 1.4MHz	QPSK: 1M09G7D 16QAM: 1M10W7D
	LTE Band 12 Channel Bandwidth: 3MHz	QPSK: 2M71G7D 16QAM: 2M71W7D
	LTE Band 12 Channel Bandwidth: 5MHz	QPSK: 4M52G7D 16QAM: 4M51W7D

	LTE Band 12 Channel Bandwidth: 10MHz	QPSK: 9M02G7D 16QAM: 4M87W7D
	LTE Band 13 Channel Bandwidth: 5MHz	QPSK: 4M52G7D 16QAM: 4M50W7D
	LTE Band 13 Channel Bandwidth: 10MHz	QPSK: 9M00G7D 16QAM: 4M87W7D
EMISSION DESIGNATOR	LTE Band 71 Channel Bandwidth: 5MHz	QPSK: 4M51G7D 16QAM: 4M50W7D
	LTE Band 71 Channel Bandwidth: 10MHz	QPSK: 9M00G7D 16QAM: 4M86W7D
	LTE Band 71 Channel Bandwidth: 15MHz	QPSK: 13M5G7D 16QAM: 4M88W7D
	TE Band 71 Channel Bandwidth: 20MHz	QPSK: 18M0G7D 16QAM: 4M90W7D
ANTENNA TYPE	☒ Provided by client	
	External Antenna with 3.61dBi gain for LTE7 External Antenna with 3.85dBi gain for LTE12 External Antenna with 4.41dBi gain for LTE13 External Antenna with 2.83dBi gain for LTE71	
HW VERSION	V2.02	
SW VERSION	V1.9.05	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	N/A	
EXTREME TEMPERATURE	-10-55 °C	
EXTREME VOLTAGE	3.4V-4.2V	

NOTE:

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

MODULATION MODE	TX FUNCTION
LTE	1TX/1RX

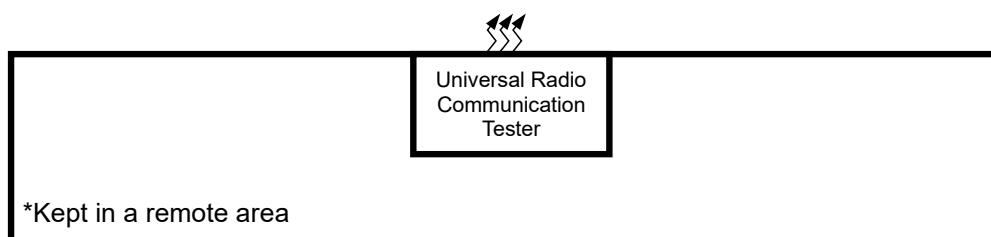
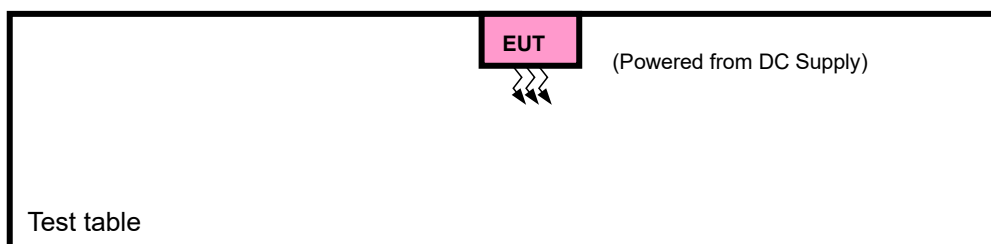
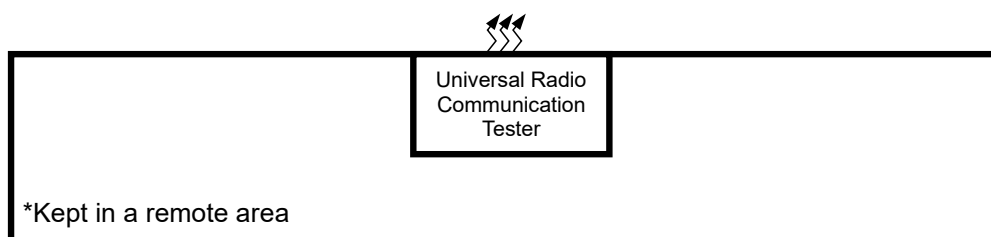
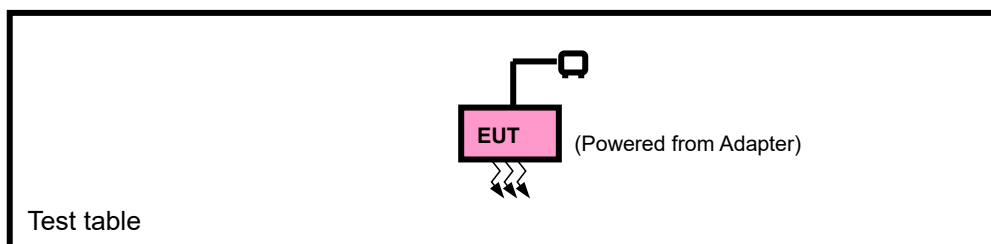
3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in the test report.

4. **List of Accessory:**

ACCESSORIES	BRAND	MANUFACTURER	MODEL	SPECIFICATION
Antenna	All things connected	N/A	WWXL6012681	126*50.3*0.2mm

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST





Test Report No.: RF20260304B001-Part 27 Report(B7&B12&B13&B71)

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

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A

2.4 TEST ITEM AND TEST CONFIGURATION

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

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

LTE BAND 7 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	20775 to 21425	21100	5MHz	QPSK	1 RB / 0 RB offset
		20800 to 21400	20800, 21100, 21400	10MHz	QPSK	1 RB / 0 RB offset
		20825 to 21375	21100	15MHz	QPSK	1 RB / 0 RB offset
		20850 to 21350	21100	20MHz	QPSK	1 RB / 0 RB offset

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

LTE BAND 12 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	ERP	23017 to 23173	23017, 23095 , 23173	1.4MHz	QPSK,16QAM	1 RB / 0 RB Offset
		23025 to 23165	23025, 23095 ,23165	3MHz	QPSK,16QAM	1 RB / 0 RB Offset
		23035 to 23155	23035, 23095 ,23155	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
		23060 to 23130	23060, 23095 ,23130	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK	1 RB / 0 RB offset
		23025 to 23165	23095	3MHz	QPSK	1 RB / 0 RB offset
		23035 to 23155	23095	5MHz	QPSK	1 RB / 0 RB offset
		23060 to 23130	23095	10MHz	QPSK	1 RB / 0 RB offset

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

LTE BAND 13 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	ERP	23205 to 23255	23205, 23230, 23255	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
		23230	23230	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	23205 to 23255	23205, 23230, 23255	5MHz	QPSK	1 RB / 0 RB offset
		23230	23230	10MHz	QPSK	1 RB / 0 RB offset

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

LTE BAND 71 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	ERP	133147 to 133447	133147, 133297, 133447	5MHz	QPSK, 16QAM	1 RB / 0 RB offset
		133172 to 133422	133172, 133297, 133422	10MHz	QPSK, 16QAM	1 RB / 0 RB offset
		133197 to 133397	133197, 133297, 133397	15MHz	QPSK, 16QAM	1 RB / 0 RB offset
		133222 to 133372	133222, 133322, 133372	20MHz	QPSK, 16QAM	1 RB / 0 RB offset
A	RADIATED EMISSION	133147 to 133447	133147, 133297, 133447	5MHz	QPSK	1 RB / 0 RB offset
		133172 to 133422	133297	10MHz	QPSK	1 RB / 0 RB offset
		133197 to 133397	133297	15MHz	QPSK	1 RB / 0 RB offset
		133222 to 133372	133322	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.

TEST CONDITION			
TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP&EIRP	23deg. C, 70%RH	EUT 3.8V	Carl Xie
RADIATED EMISSION	23deg. C, 70%RH	AC 120V/60Hz	Carl Xie

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.

Part 27.50(b)(10): Portable stations (hand-held devices) transmitting in the 746–757 MHz, 776–788 MHz, and 805–806 MHz bands are limited to 3 watts ERP.

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_{Meas} , typically dBW or dBm);

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

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

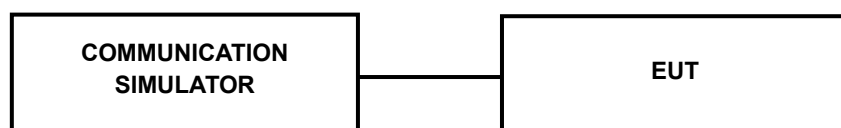
L_{C} = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

CONDUCTED POWER MEASUREMENT:

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

3.1.3 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)

NOTE: The verify results of conducted power are similar or lower, so conducted power test data please refer to the original report (Report No.: W7L-P23070009RF03, FCC ID: 2AJYU-8XS0001). This report only update ERP/EIRP based on new antenna gain.

ERP/EIRP

LTE Band 7							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	20850	2510	24.58	3.61	28.19	659.17	2
	21100	2535	23.57	3.61	27.18	522.40	2
	21350	2560	23.23	3.61	26.84	483.06	2
20M- 16QAM	20850	2510	24.10	3.61	27.71	590.20	2
	21100	2535	22.92	3.61	26.53	449.78	2
	21350	2560	22.56	3.61	26.17	414.00	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	20825	2507.5	24.53	3.61	28.14	651.63	2
	21100	2535	23.52	3.61	27.13	516.42	2
	21375	2562.5	23.18	3.61	26.79	477.53	2
15M- 16QAM	20825	2507.5	24.01	3.61	27.62	578.10	2
	21100	2535	22.83	3.61	26.44	440.55	2
	21375	2562.5	22.55	3.61	26.16	413.05	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	20800	2505	24.51	3.61	28.12	648.63	2
	21100	2535	23.57	3.61	27.18	522.40	2
	21400	2565	23.11	3.61	26.72	469.89	2
10M- 16QAM	20800	2505	24.06	3.61	27.67	584.79	2
	21100	2535	22.89	3.61	26.50	446.68	2
	21400	2565	22.48	3.61	26.09	406.44	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	20775	2502.5	24.46	3.61	28.07	641.21	2
	21100	2535	23.54	3.61	27.15	518.80	2
	21425	2567.5	23.15	3.61	26.76	474.24	2
5M-16QAM	20775	2502.5	24.07	3.61	27.68	586.14	2
	21100	2535	22.90	3.61	26.51	447.71	2
	21425	2567.5	22.50	3.61	26.11	408.32	2

LTE Band 12							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
10M-QPSK	23060	704	24.07	3.85	25.77	377.57	3
	23095	707.5	23.76	3.85	25.46	351.56	3
	23130	711	22.87	3.85	24.57	286.42	3
10M- 16QAM	23060	704	23.04	3.85	24.74	297.85	3
	23095	707.5	23.08	3.85	24.78	300.61	3
	23130	711	22.55	3.85	24.25	266.07	3
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
5M-QPSK	23035	701.5	24.03	3.85	25.73	374.11	3
	23095	707.5	23.72	3.85	25.42	348.34	3
	23155	713.5	22.81	3.85	24.51	282.49	3
5M-16QAM	23035	701.5	22.99	3.85	24.69	294.44	3
	23095	707.5	23.02	3.85	24.72	296.48	3
	23155	713.5	22.48	3.85	24.18	261.82	3
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
3M-QPSK	23025	700.5	24.03	3.85	25.73	374.11	3
	23095	707.5	23.70	3.85	25.40	346.74	3
	23165	714.5	22.85	3.85	24.55	285.10	3
3M-16QAM	23025	700.5	22.93	3.85	24.63	290.40	3
	23095	707.5	23.02	3.85	24.72	296.48	3
	23165	714.5	22.52	3.85	24.22	264.24	3
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
1.4M-QPSK	23017	699.7	24.04	3.85	25.74	374.97	3
	23095	707.5	23.85	3.85	25.55	358.92	3
	23173	715.3	23.10	3.85	24.80	302.00	3
1.4M- 16QAM	23017	699.7	23.49	3.85	25.19	330.37	3
	23095	707.5	23.73	3.85	25.43	349.14	3
	23173	715.3	23.22	3.85	24.92	310.46	3

LTE Band 13							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
10M-QPSK	23230	782	23.55	4.41	25.81	381.07	3
10M- 16QAM	23230	782	22.85	4.41	25.11	324.34	3
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
5M-QPSK	23205	779.5	23.45	4.41	25.71	372.39	3
	23230	782	23.51	4.41	25.77	377.57	3
	23255	784.5	23.54	4.41	25.80	380.19	3
5M-16QAM	23205	779.5	22.73	4.41	24.99	315.50	3
	23230	782	22.76	4.41	25.02	317.69	3
	23255	784.5	22.84	4.41	25.10	323.59	3

LTE Band 71							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
20M-QPSK	133222	673	23.87	2.83	24.55	285.10	3
	133322	683	23.81	2.83	24.49	281.19	3
	133372	688	23.85	2.83	24.53	283.79	3
20M- 16QAM	133222	673	23.23	2.83	23.91	246.04	3
	133322	683	23.15	2.83	23.83	241.55	3
	133372	688	23.22	2.83	23.90	245.47	3
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
15M-QPSK	133197	670.5	23.81	2.83	24.49	281.19	3
	133297	680.5	23.72	2.83	24.40	275.42	3
	133397	690.5	23.77	2.83	24.45	278.61	3
15M- 16QAM	133197	670.5	23.17	2.83	23.85	242.66	3
	133297	680.5	23.07	2.83	23.75	237.14	3
	133397	690.5	23.13	2.83	23.81	240.44	3
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
10M-QPSK	133172	668	23.84	2.83	24.52	283.14	3
	133297	680.5	23.80	2.83	24.48	280.54	3
	133422	693	23.78	2.83	24.46	279.25	3
10M- 16QAM	133172	668	23.23	2.83	23.91	246.04	3
	133297	680.5	23.12	2.83	23.80	239.88	3
	133422	693	23.18	2.83	23.86	243.22	3
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
5M-QPSK	133147	665.5	23.81	2.83	24.49	281.19	3
	133297	680.5	23.81	2.83	24.49	281.19	3
	133447	695.5	23.79	2.83	24.47	279.90	3
5M-16QAM	133147	665.5	23.16	2.83	23.84	242.10	3
	133297	680.5	23.10	2.83	23.78	238.78	3
	133447	695.5	23.20	2.83	23.88	244.34	3

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

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

For: LTE Band7

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

3.2.2 TEST PROCEDURES

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

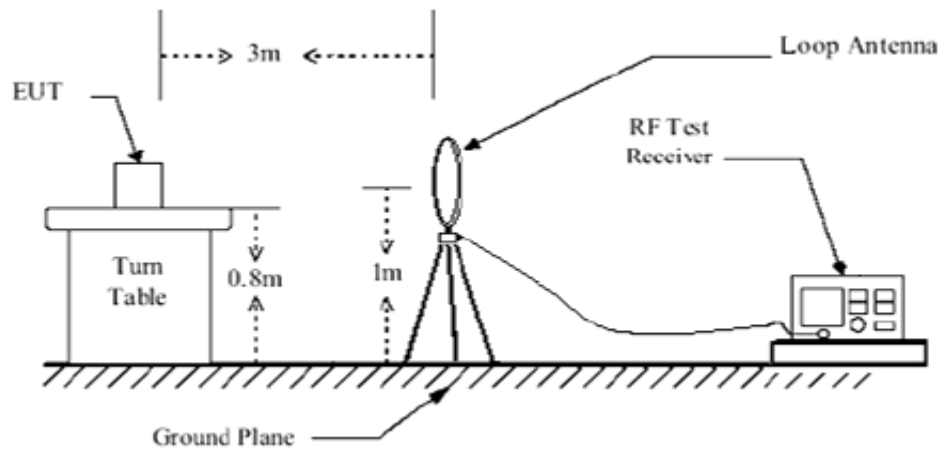
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.2.3 DEVIATION FROM TEST STANDARD

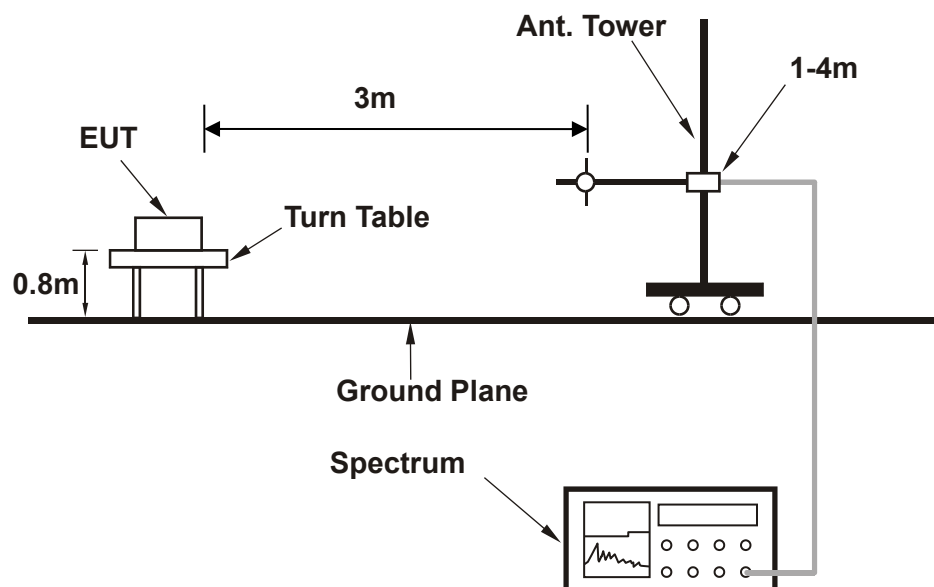
No deviation

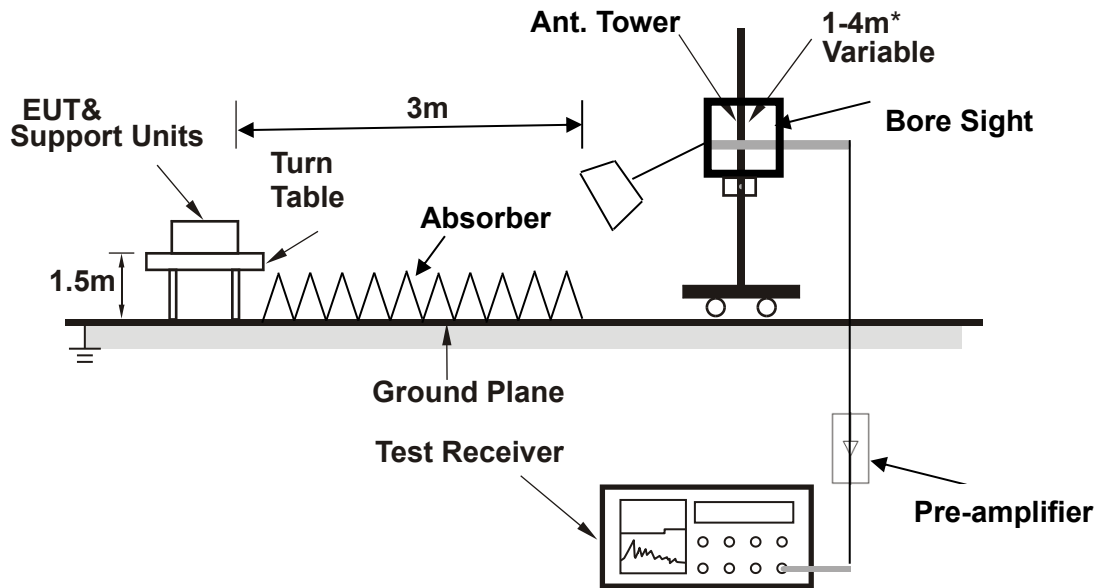
3.2.4 TEST SETUP

< Frequency Range below 30MHz >



< Frequency Range 30MHz~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).

3.2.5 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 71 CHANNEL BANDWIDTH: 5MHz / QPSK									
MODE	TX channel 133297		FREQUENCY RANGE		30MHz~1GHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH		INPUT POWER		120Vac 60HZ				
TESTED BY	Carl Xie								
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	38.9258	-56.84	-61.37	-4.53	-13.00	48.37	Horizontal	PK	PASS
2	230.054	-63.44	-68.05	-4.61	-13.00	55.05	Horizontal	PK	PASS
3	392.8526	-65.09	-67.92	-2.83	-13.00	54.92	Horizontal	PK	PASS
4	538.1876	-65.30	-68.43	-3.13	-13.00	55.43	Horizontal	PK	PASS
5	582.4285	-65.41	-66.87	-1.46	-13.00	53.87	Horizontal	PK	PASS
6	743.2867	-66.25	-66.05	0.20	-13.00	53.05	Horizontal	PK	PASS

FCC PART 27

Level [dBm]

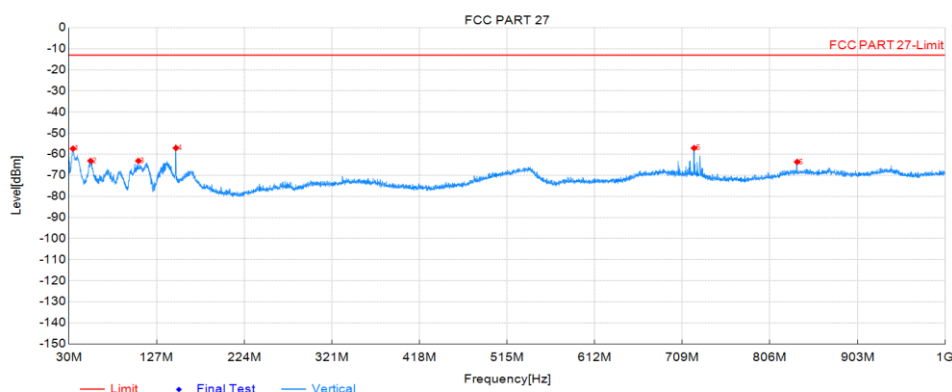
Frequency [Hz]

— Limit • Final Test — Horizontal

FCC PART 27-Limit

MODE	TX channel 133297	FREQUENCY RANGE	30MHz~1GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	120Vac 60HZ
TESTED BY	Carl Xie		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	34.6569	-45.15	-57.37	-12.22	-13.00	44.37	Vertical	PK	PASS
2	54.0608	-43.24	-63.18	-19.94	-13.00	50.18	Vertical	PK	PASS
3	107.0334	-51.93	-63.20	-11.27	-13.00	50.20	Vertical	PK	PASS
4	148.5577	-47.17	-57.07	-9.90	-13.00	44.07	Vertical	PK	PASS
5	722.1364	-56.17	-57.08	-0.91	-13.00	44.08	Vertical	PK	PASS
6	836.2312	-64.17	-63.67	0.50	-13.00	50.67	Vertical	PK	PASS



ABOVE 1GHz

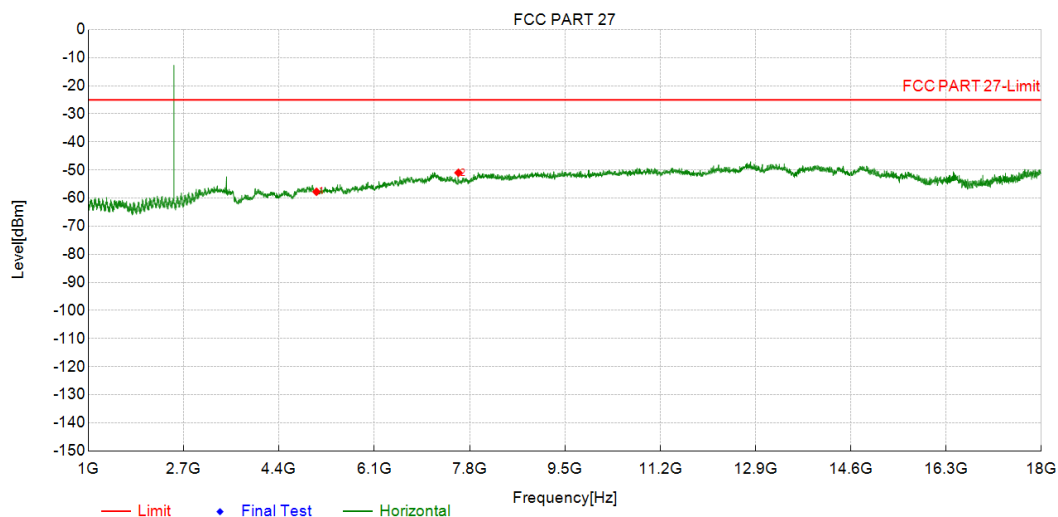
Note: For higher frequency, the emission is too low to be detected.

LTE Band 7

CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 21100
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

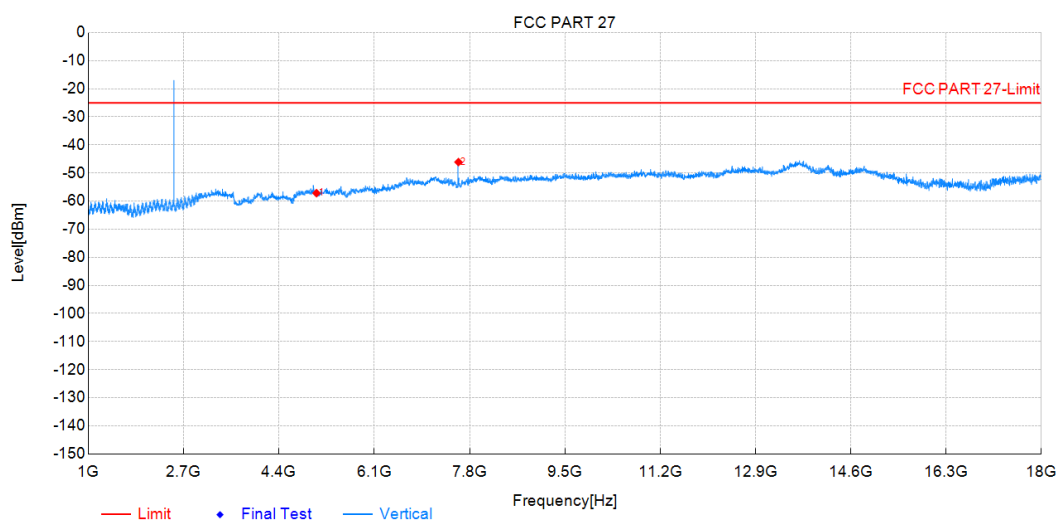
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5067.4135	-61.51	-57.73	3.78	-25.00	32.73	Horizontal	PK	PASS
2	7599.92	-59.63	-50.97	8.66	-25.00	25.97	Horizontal	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 21100
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5067.4135	-61.11	-57.15	3.96	-25.00	32.15	Vertical	PK	PASS
2	7599.92	-54.62	-46.10	8.52	-25.00	21.10	Vertical	PK	PASS

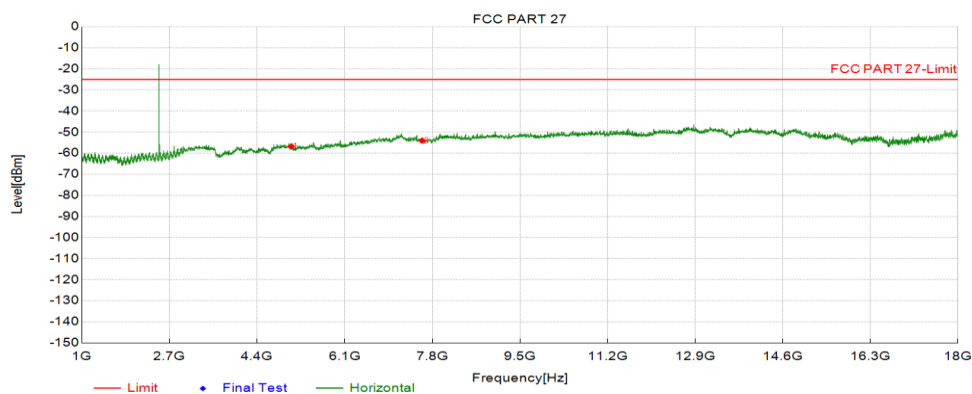


Test Report No.: RF20260304B001-Part 27 Report(B7&B12&B13&B71)
CH20800

CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 20800
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

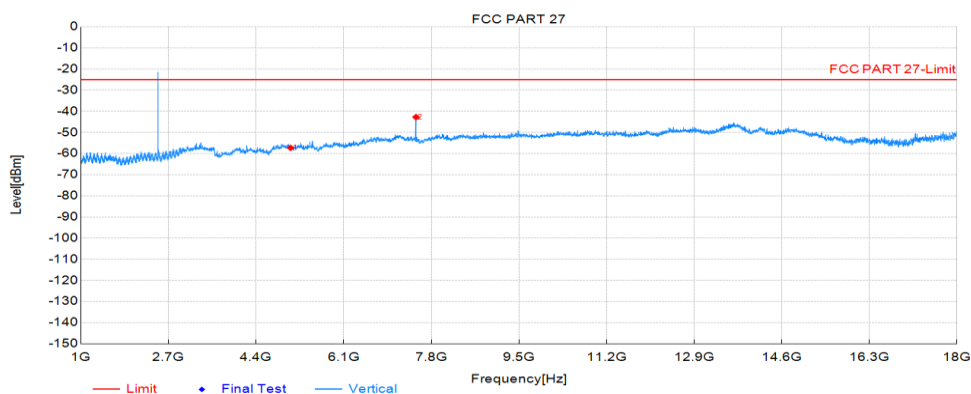
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5061.4123	-60.57	-56.76	3.81	-25.00	31.76	Horizontal	PK	PASS
2	7599.92	-62.67	-54.00	8.67	-25.00	29.00	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 21100
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5067.4135	-61.25	-57.29	3.96	-25.00	32.29	Vertical	PK	PASS
2	7500.9002	-51.50	-42.73	8.77	-25.00	17.73	Vertical	PK	PASS

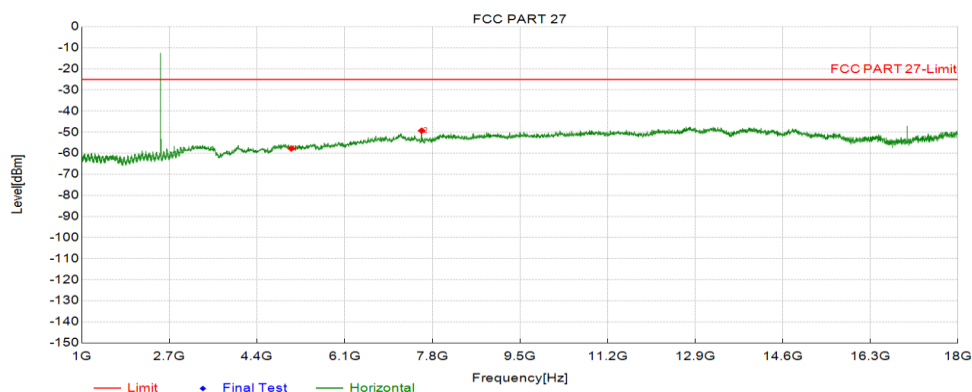


Test Report No.: RF20260304B001-Part 27 Report(B7&B12&B13&B71)
CH21100

CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 21100
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

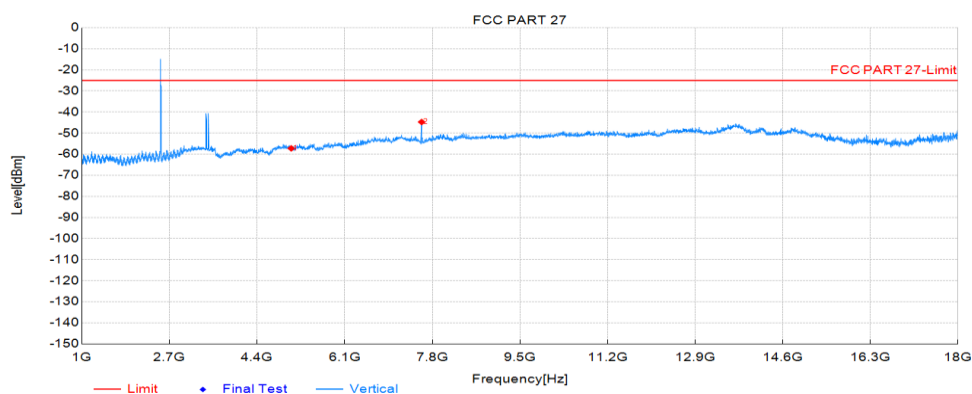
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5061.4123	-61.58	-57.77	3.81	-25.00	32.77	Horizontal	PK	PASS
2	7590.9182	-58.00	-49.33	8.67	-25.00	24.33	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 21100
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5061.4123	-61.21	-57.24	3.97	-25.00	32.24	Vertical	PK	PASS
2	7590.9182	-53.27	-44.73	8.54	-25.00	19.73	Vertical	PK	PASS

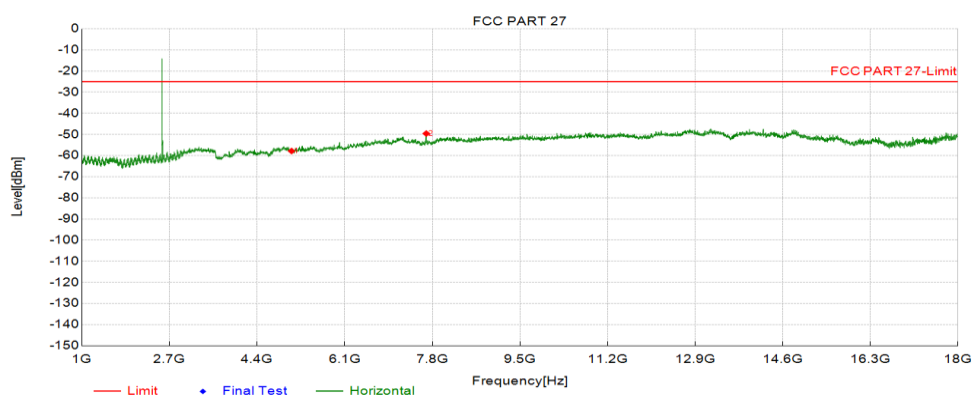


Test Report No.: RF20260304B001-Part 27 Report(B7&B12&B13&B71)
CH21400

CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 21400
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

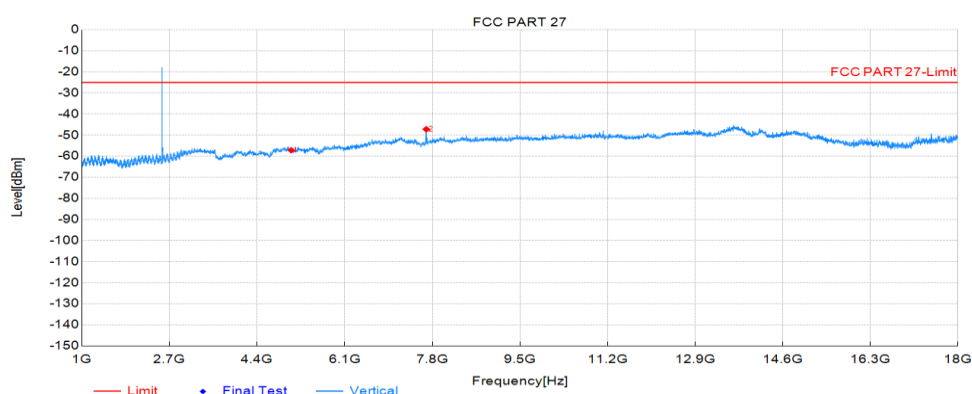
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5067.4135	-61.63	-57.85	3.78	-25.00	32.85	Horizontal	PK	PASS
2	7680.9362	-58.42	-49.58	8.84	-25.00	24.58	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 21400
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

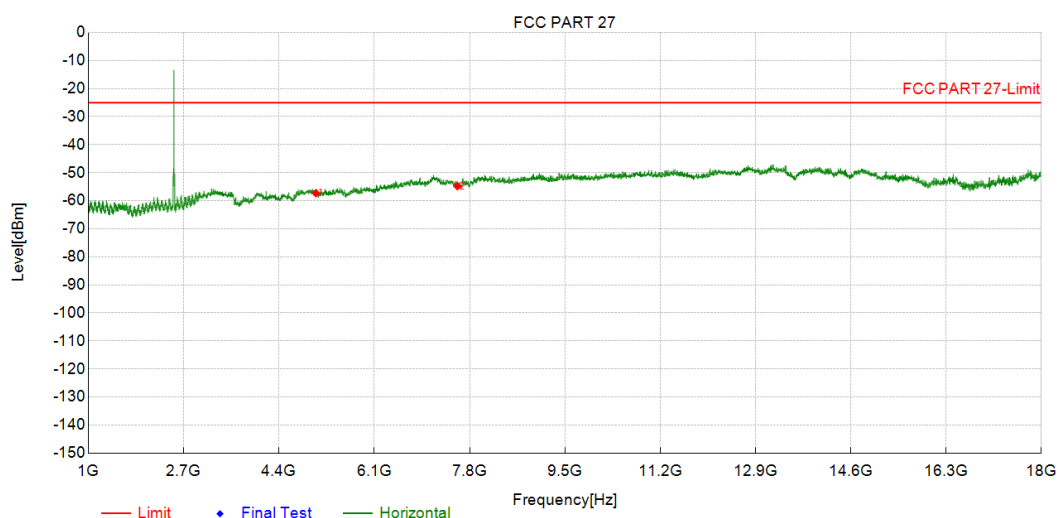
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5061.4123	-61.15	-57.18	3.97	-25.00	32.18	Vertical	PK	PASS
2	7680.9362	-56.39	-47.22	9.17	-25.00	22.22	Vertical	PK	PASS



CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 21100
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

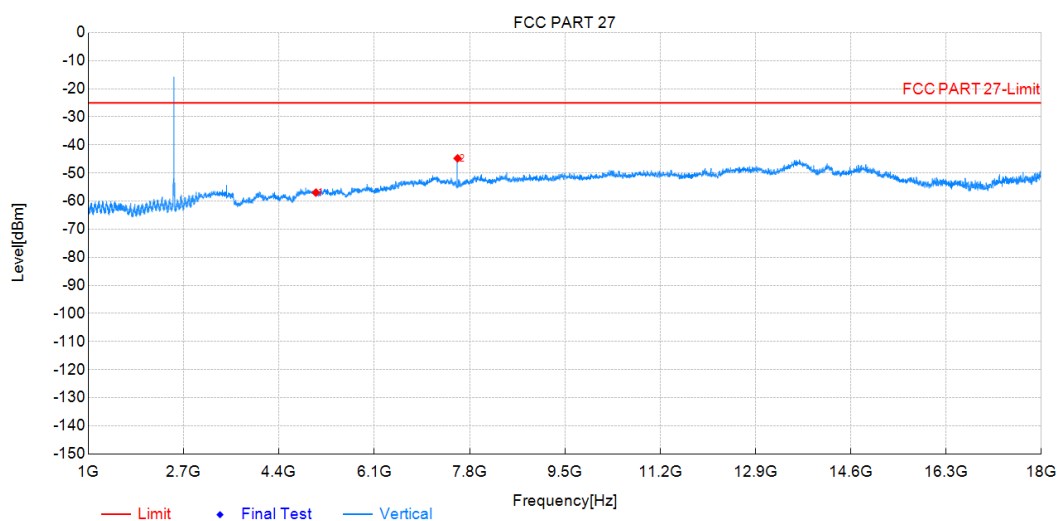
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5058.4117	-61.09	-57.28	3.81	-25.00	32.28	Horizontal	PK	PASS
2	7578.9158	-63.48	-54.80	8.68	-25.00	29.80	Horizontal	PK	PASS



CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 21100
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

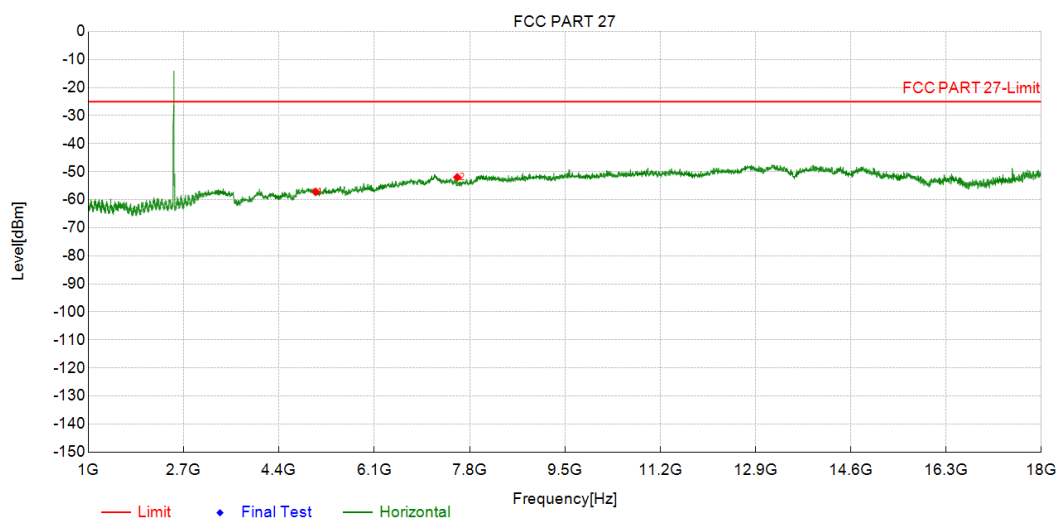
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5058.4117	-60.91	-56.95	3.96	-25.00	31.95	Vertical	PK	PASS
2	7584.917	-53.33	-44.77	8.56	-25.00	19.77	Vertical	PK	PASS



CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 21100
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

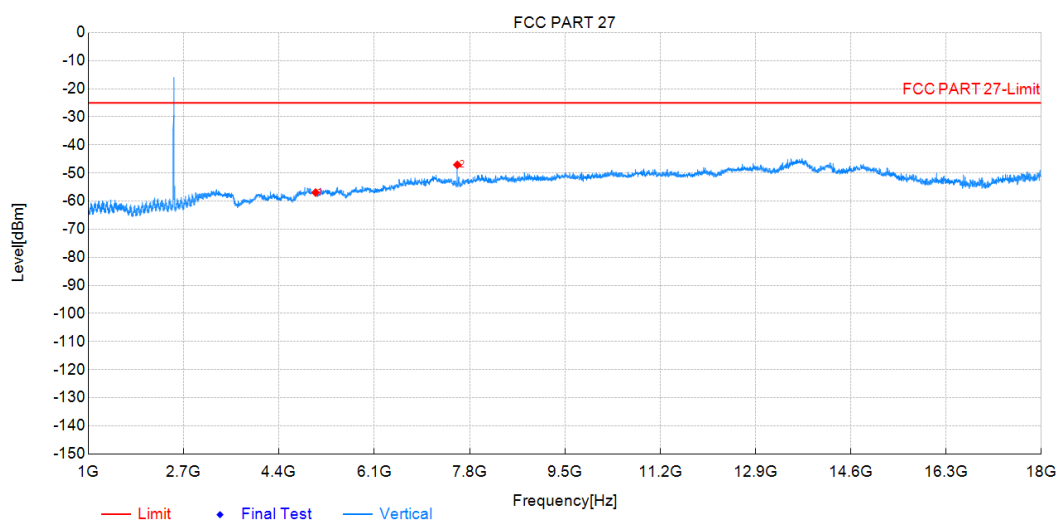
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5052.4105	-60.99	-57.17	3.82	-25.00	32.17	Horizontal	PK	PASS
2	7578.9158	-60.68	-52.00	8.68	-25.00	27.00	Horizontal	PK	PASS



CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 21100
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5052.4105	-60.91	-56.94	3.97	-25.00	31.94	Vertical	PK	PASS
2	7578.9158	-55.64	-47.06	8.58	-25.00	22.06	Vertical	PK	PASS



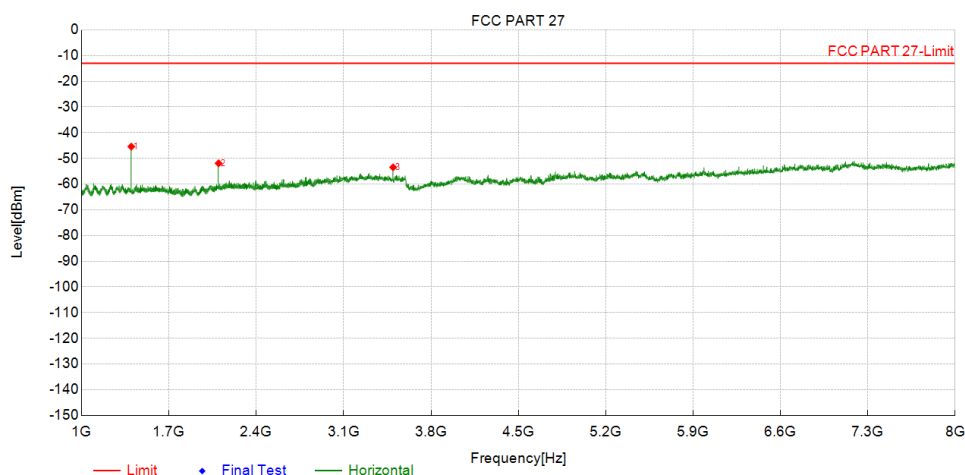
LTE BAND 12

CH23017

CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 23017
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

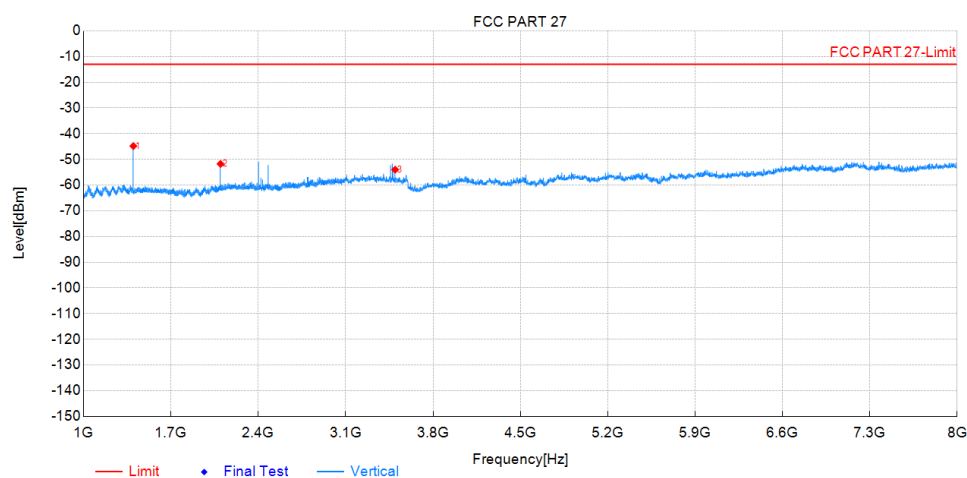
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1398.4797	-35.79	-45.41	-9.62	-13.00	32.41	Horizon	PK	PASS
2	2097.8196	-44.27	-51.90	-7.63	-13.00	38.90	Horizon	PK	PASS
3	3496.0992	-51.27	-53.46	-2.19	-13.00	40.46	Horizon	PK	PASS



CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 23017
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1398.4797	-35.68	-44.80	-9.12	-13.00	31.80	Vertical	PK	PASS
2	2097.4195	-44.24	-51.74	-7.50	-13.00	38.74	Vertical	PK	PASS
3	3496.0992	-51.78	-53.99	-2.21	-13.00	40.99	Vertical	PK	PASS

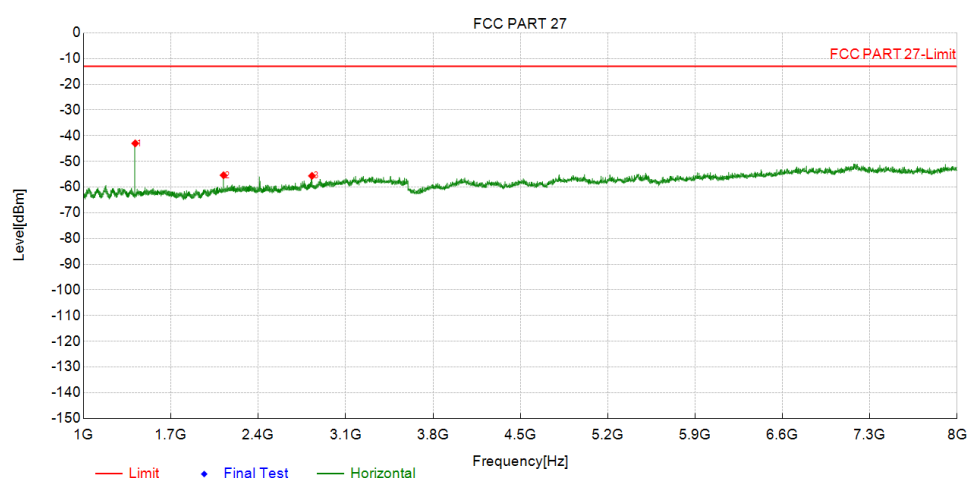


CH23095

CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 23095
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

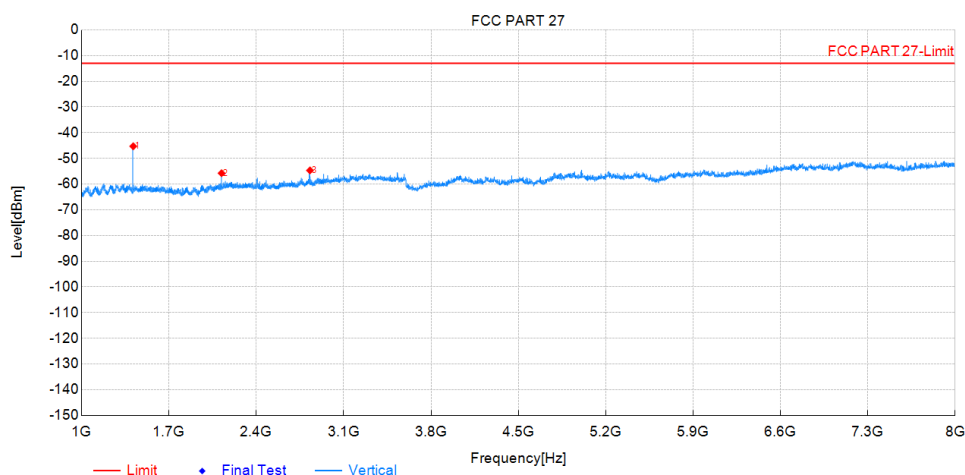
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1414.0828	-33.38	-42.99	-9.61	-13.00	29.99	Horizon	PK	PASS
2	2121.4243	-47.94	-55.38	-7.44	-13.00	42.38	Horizon	PK	PASS
3	2829.966	-51.15	-55.62	-4.47	-13.00	42.62	Horizon	PK	PASS



CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 23095
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

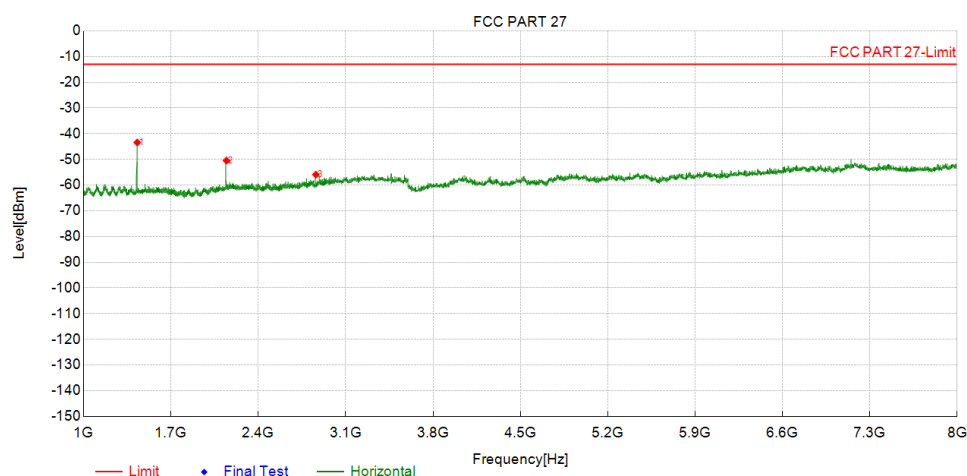
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1414.0828	-36.14	-45.28	-9.14	-13.00	32.28	Vertical	PK	PASS
2	2121.4243	-48.43	-55.74	-7.31	-13.00	42.74	Vertical	PK	PASS
3	2829.966	-50.35	-54.66	-4.31	-13.00	41.66	Vertical	PK	PASS



CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 23173
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

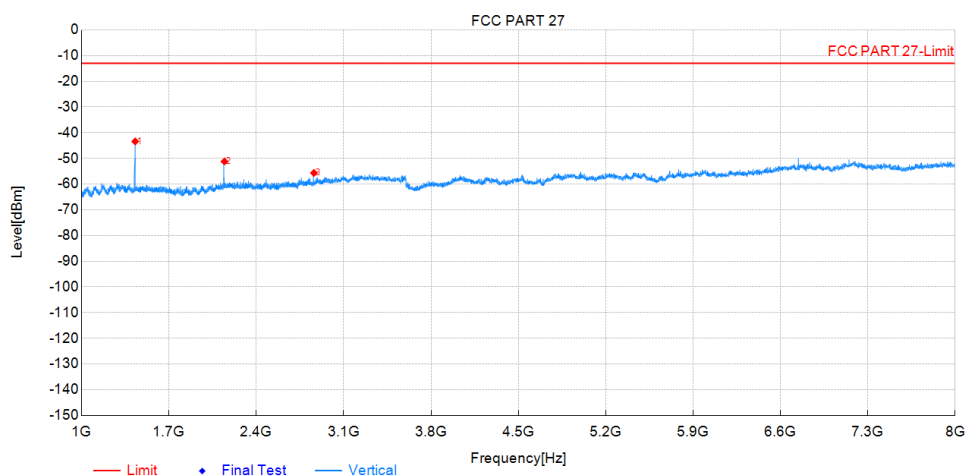
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1429.6859	-33.81	-43.40	-9.59	-13.00	30.40	Horizon	PK	PASS
2	2144.6289	-43.19	-50.44	-7.25	-13.00	37.44	Horizon	PK	PASS
3	2861.1722	-51.65	-55.92	-4.27	-13.00	42.92	Horizon	PK	PASS



CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 23173
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

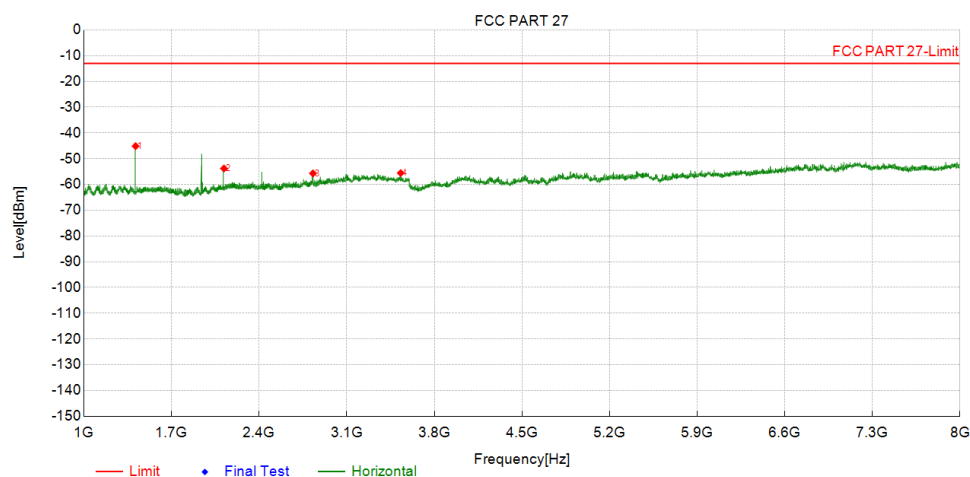
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1429.6859	-34.22	-43.39	-9.17	-13.00	30.39	Vertical	PK	PASS
2	2144.6289	-44.06	-51.18	-7.12	-13.00	38.18	Vertical	PK	PASS
3	2861.5723	-51.53	-55.66	-4.13	-13.00	42.66	Vertical	PK	PASS



CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 23095
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

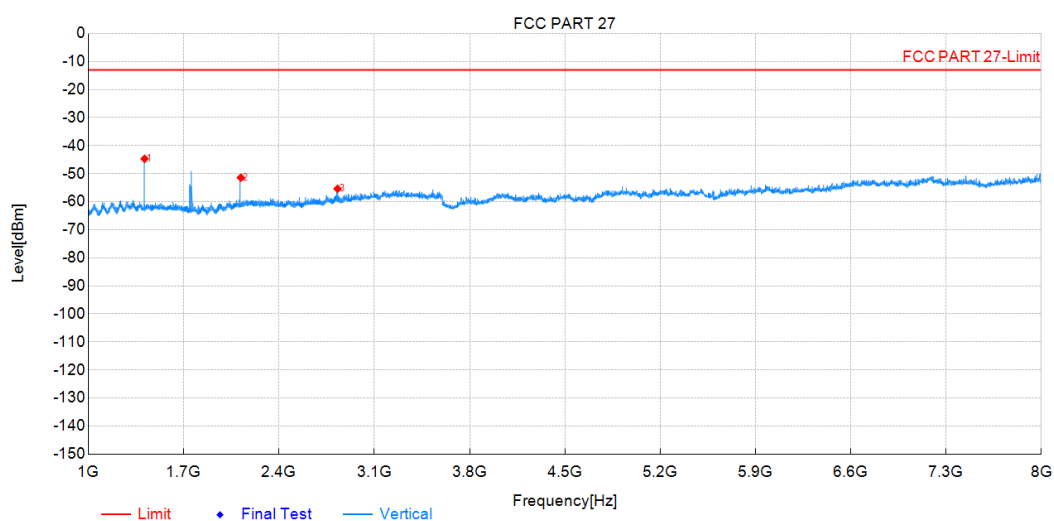
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1412.8826	-35.51	-45.12	-9.61	-13.00	32.12	Horizontal	PK	PASS
2	2118.6237	-46.31	-53.78	-7.47	-13.00	40.78	Horizontal	PK	PASS
3	2829.966	-51.22	-55.69	-4.47	-13.00	42.69	Horizontal	PK	PASS
4	3531.1062	-53.37	-55.57	-2.20	-13.00	42.57	Horizontal	PK	PASS



CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 23095
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

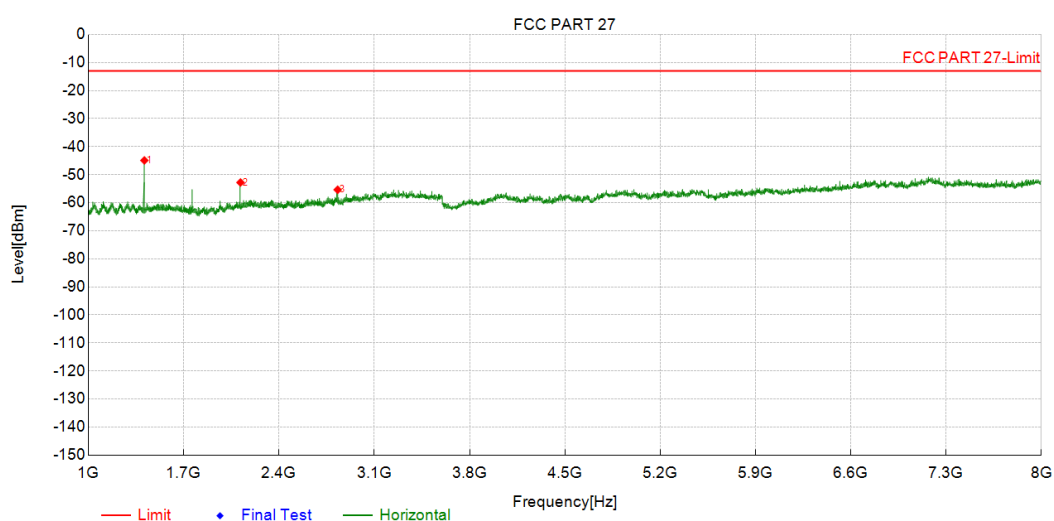
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1412.4825	-35.54	-44.68	-9.14	-13.00	31.68	Vertical	PK	PASS
2	2119.0238	-44.07	-51.40	-7.33	-13.00	38.40	Vertical	PK	PASS
3	2829.966	-51.05	-55.36	-4.31	-13.00	42.36	Vertical	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 23095
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

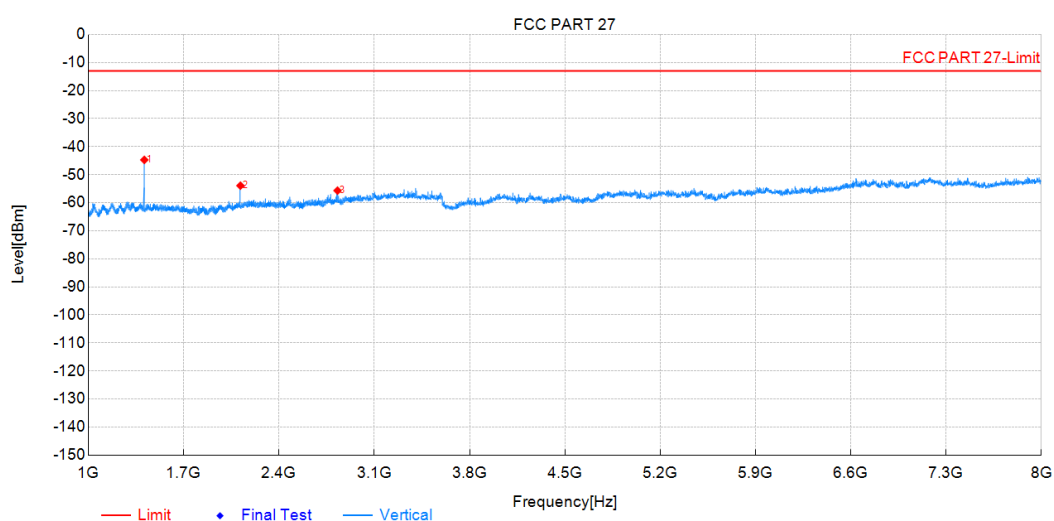
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1410.8822	-35.28	-44.89	-9.61	-13.00	31.89	Horizontal	PK	PASS
2	2116.6233	-45.29	-52.77	-7.48	-13.00	39.77	Horizontal	PK	PASS
3	2830.3661	-50.89	-55.36	-4.47	-13.00	42.36	Horizontal	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 23095
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

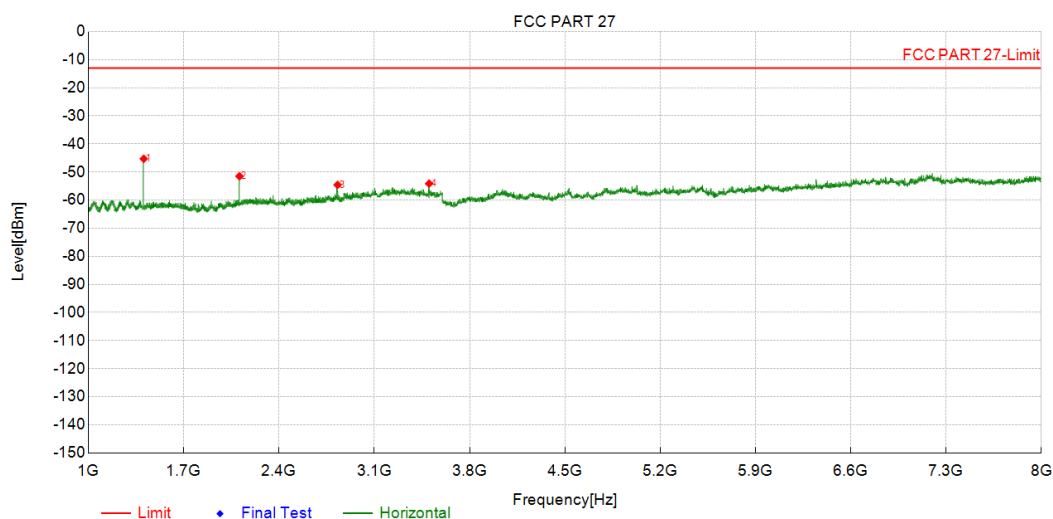
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1410.4821	-35.57	-44.71	-9.14	-13.00	31.71	Vertical	PK	PASS
2	2116.2232	-46.54	-53.89	-7.35	-13.00	40.89	Vertical	PK	PASS
3	2829.5659	-51.36	-55.67	-4.31	-13.00	42.67	Vertical	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 23095
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

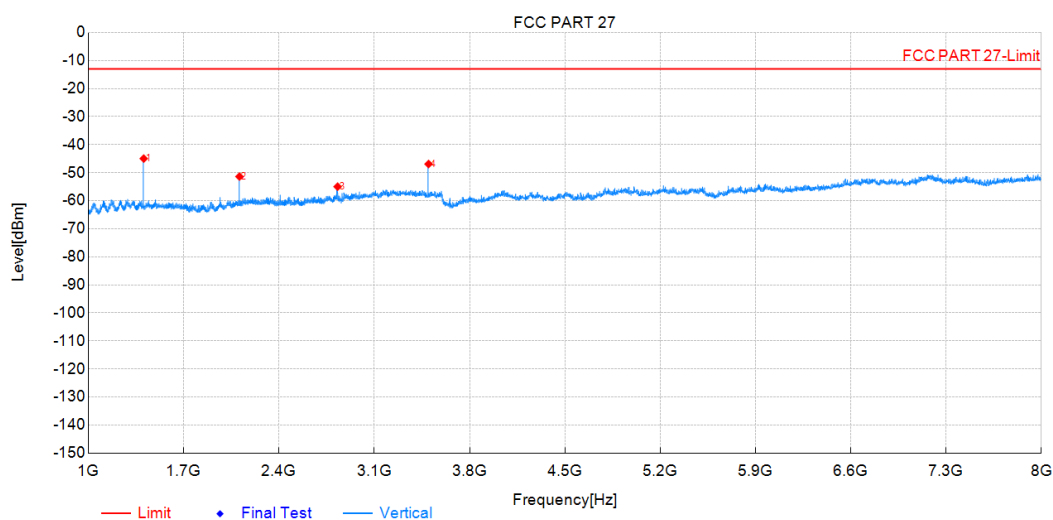
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1406.4813	-35.66	-45.28	-9.62	-13.00	32.28	Horizontal	PK	PASS
2	2109.0218	-43.94	-51.48	-7.54	-13.00	38.48	Horizontal	PK	PASS
3	2829.966	-50.09	-54.56	-4.47	-13.00	41.56	Horizontal	PK	PASS
4	3502.1004	-51.91	-54.10	-2.19	-13.00	41.10	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 23095
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1406.0812	-35.83	-44.96	-9.13	-13.00	31.96	Vertical	PK	PASS
2	2109.0218	-43.95	-51.36	-7.41	-13.00	38.36	Vertical	PK	PASS
3	2829.966	-50.66	-54.97	-4.31	-13.00	41.97	Vertical	PK	PASS
4	3498.0996	-44.68	-46.89	-2.21	-13.00	33.89	Vertical	PK	PASS



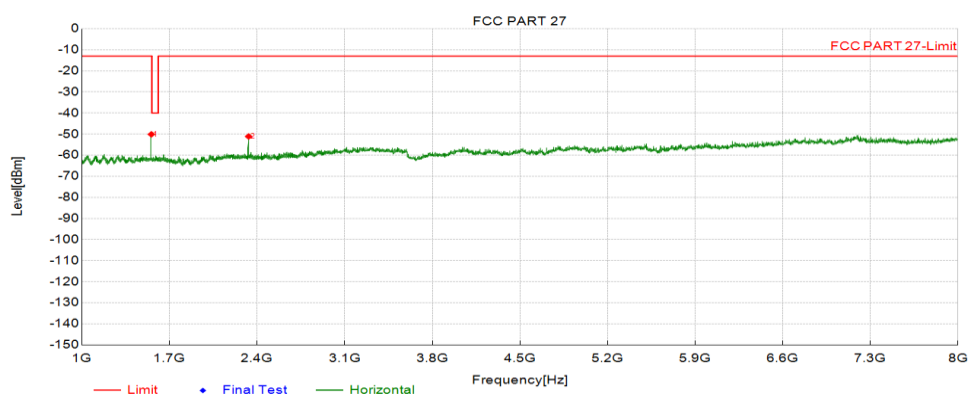
LTE B13

CH23205

CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 23205
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

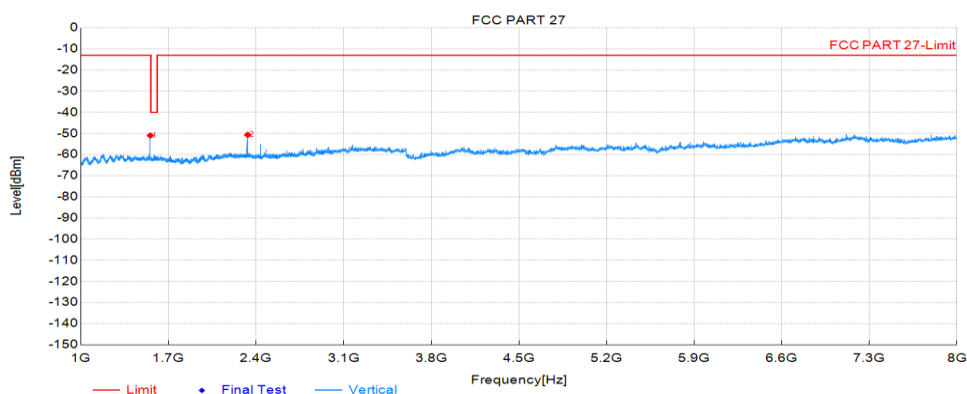
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1554.911	-40.69	-50.10	-9.41	-13.00	37.10	Horizontal	PK	PASS
2	2331.8664	-44.51	-51.12	-6.61	-13.00	38.12	Horizontal	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 23205
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

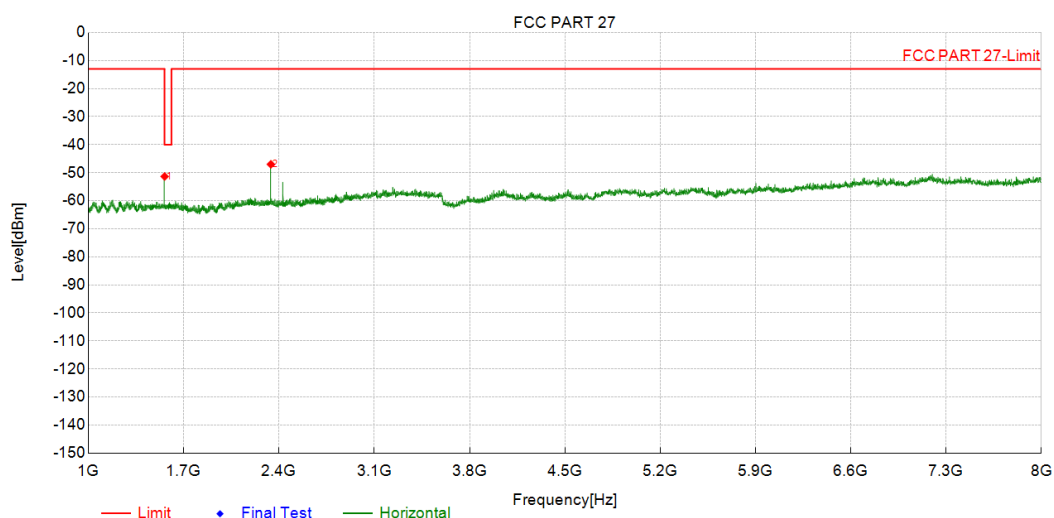
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1554.5109	-41.61	-50.99	-9.38	-13.00	37.99	Vertical	PK	PASS
2	2332.2665	-44.20	-50.65	-6.45	-13.00	37.65	Vertical	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 23230
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

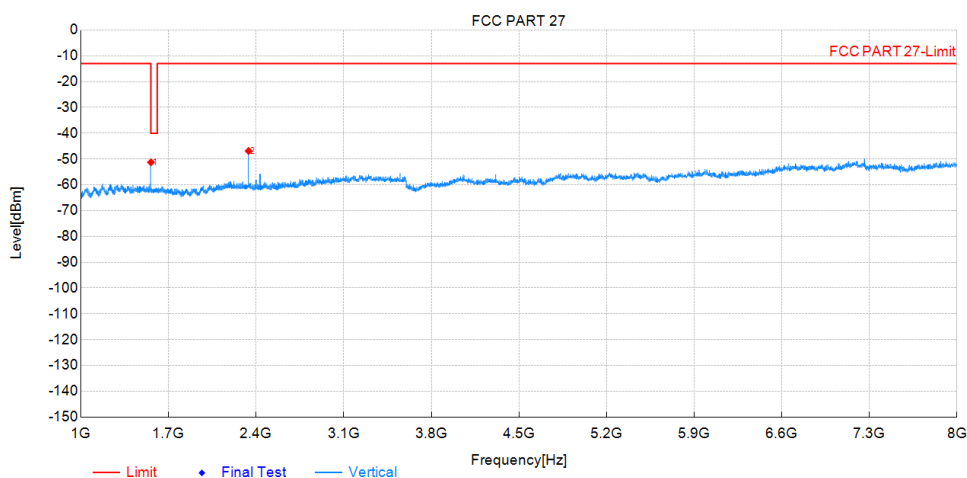
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1559.7119	-41.95	-51.35	-9.40	-40.00	11.35	Horizontal	PK	PASS
2	2339.868	-40.39	-46.99	-6.60	-13.00	33.99	Horizontal	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 23230
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

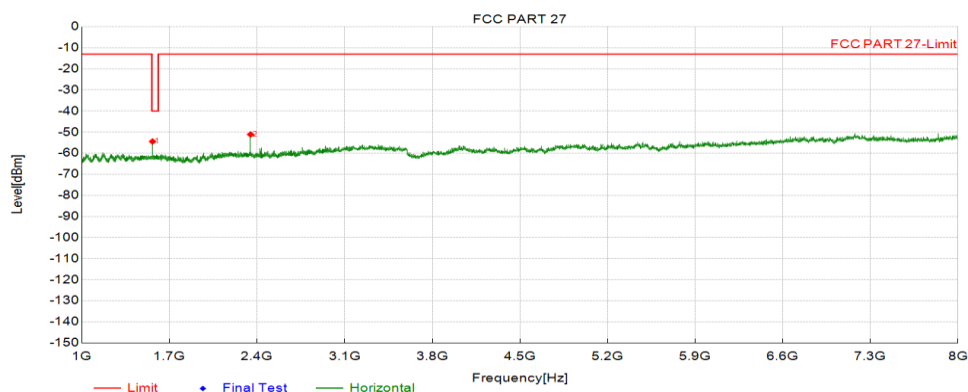
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1559.7119	-41.86	-51.25	-9.39	-40.00	11.25	Vertical	PK	PASS
2	2339.4679	-40.44	-46.88	-6.44	-13.00	33.88	Vertical	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 23255
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

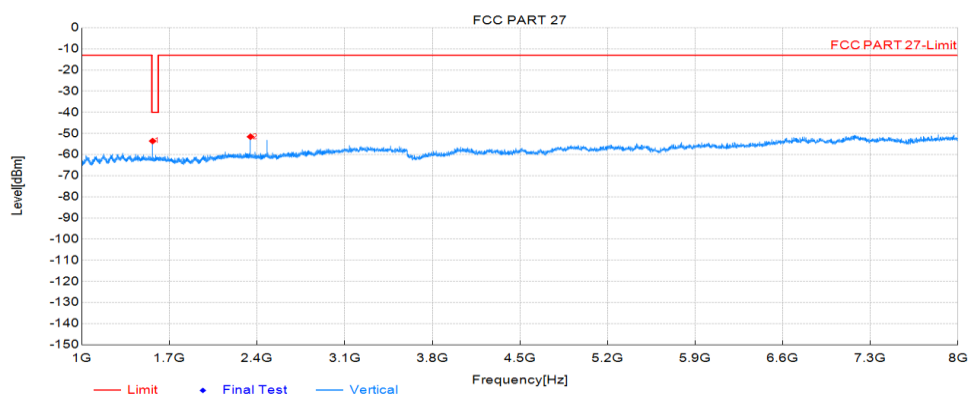
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1564.5129	-45.06	-54.45	-9.39	-40.00	14.45	Horizontal	PK	PASS
2	2347.4695	-44.53	-51.11	-6.58	-13.00	38.11	Horizontal	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 23255
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

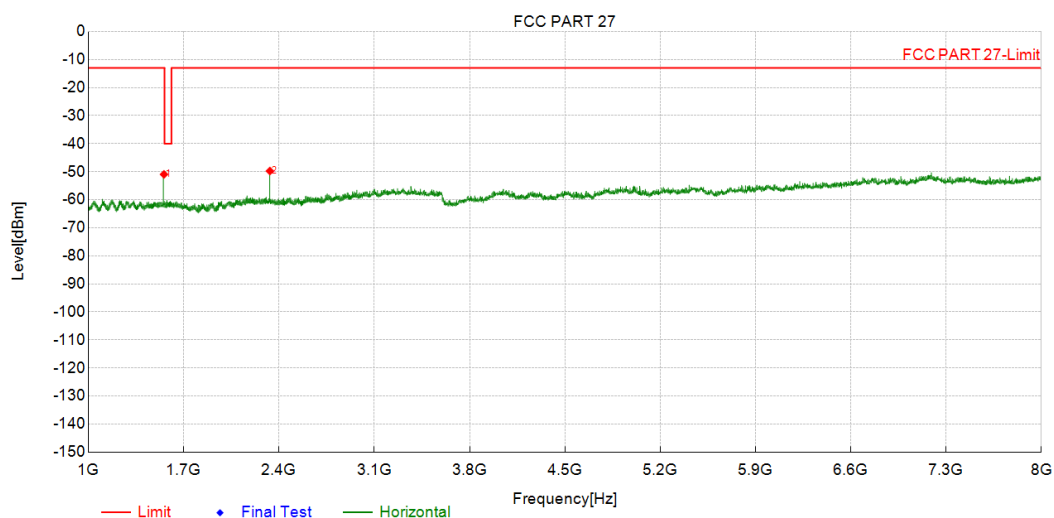
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1564.913	-44.20	-53.60	-9.40	-40.00	13.60	Vertical	PK	PASS
2	2347.0694	-45.12	-51.54	-6.42	-13.00	38.54	Vertical	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 23230
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

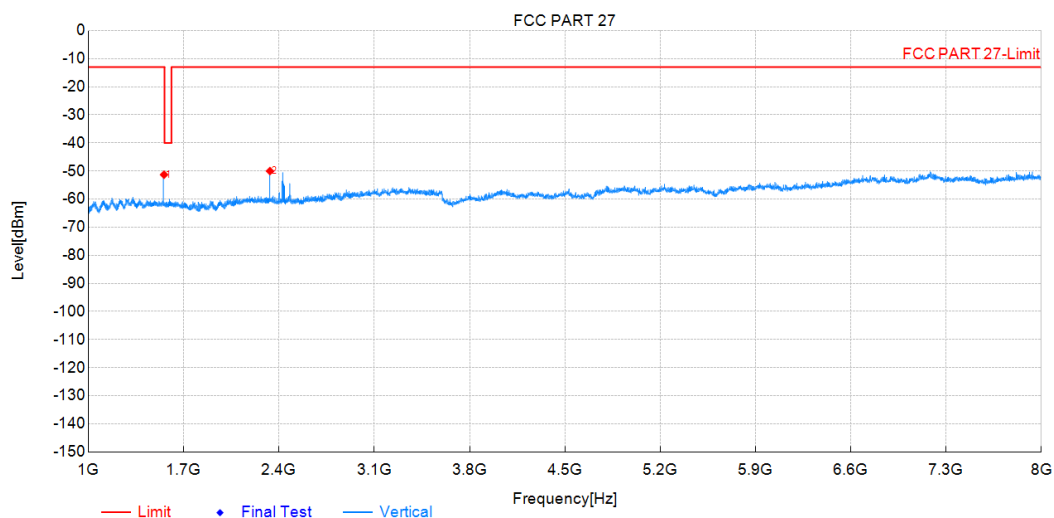
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1554.911	-41.53	-50.94	-9.41	-13.00	37.94	Horizontal	PK	PASS
2	2332.6665	-43.14	-49.75	-6.61	-13.00	36.75	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 23230
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1555.3111	-41.91	-51.30	-9.39	-13.00	38.30	Vertical	PK	PASS
2	2333.0666	-43.55	-50.00	-6.45	-13.00	37.00	Vertical	PK	PASS



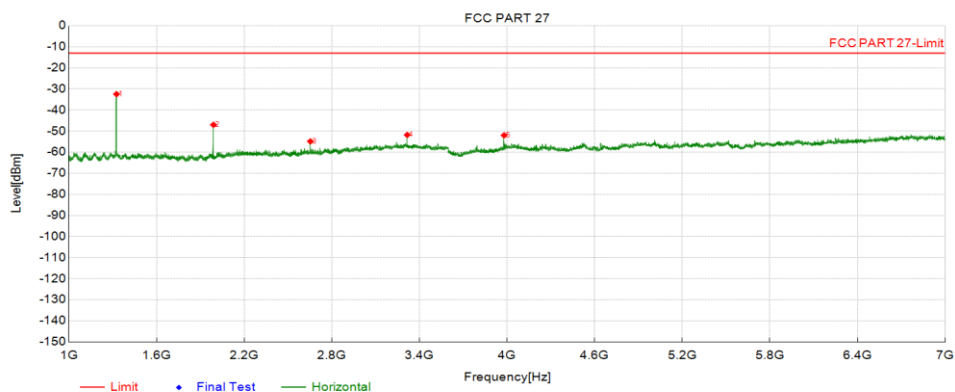
LTE B71

CH133147

CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 133147
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

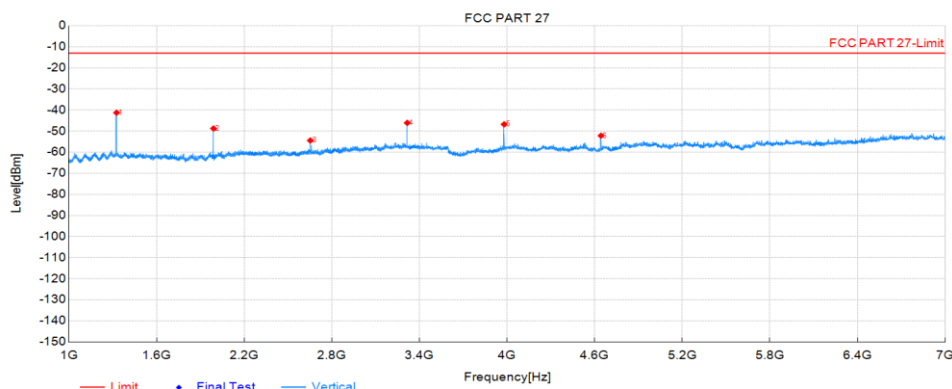
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1326.4653	-23.11	-32.45	-9.34	-13.00	19.45	Horizontal	PK	PASS
2	1989.798	-38.49	-47.02	-8.53	-13.00	34.02	Horizontal	PK	PASS
3	2653.5307	-49.55	-54.87	-5.32	-13.00	41.87	Horizontal	PK	PASS
4	3316.8634	-49.60	-51.81	-2.21	-13.00	38.81	Horizontal	PK	PASS
5	3980.196	-52.15	-52.00	0.15	-13.00	39.00	Horizontal	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 133147
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

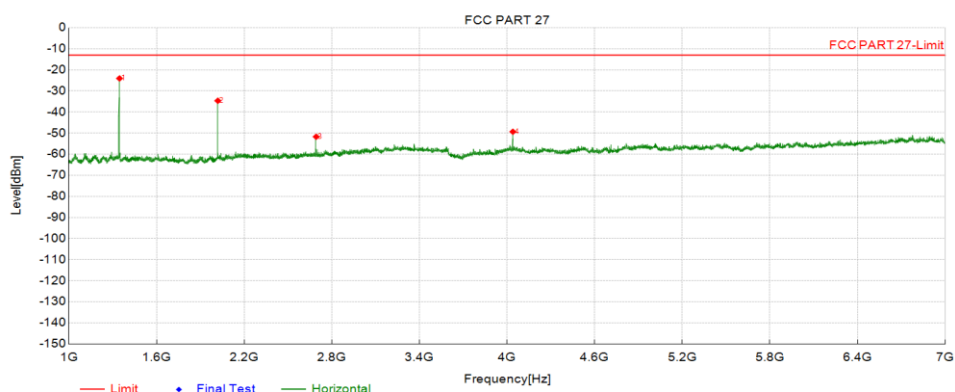
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1326.4653	-32.30	-41.28	-8.98	-13.00	28.28	Vertical	PK	PASS
2	1990.198	-40.38	-48.76	-8.38	-13.00	35.76	Vertical	PK	PASS
3	2653.1306	-49.24	-54.46	-5.22	-13.00	41.46	Vertical	PK	PASS
4	3316.8634	-43.79	-46.09	-2.30	-13.00	33.09	Vertical	PK	PASS
5	3980.196	-46.79	-46.78	0.01	-13.00	33.78	Vertical	PK	PASS
6	4643.5287	-53.76	-52.17	1.59	-13.00	39.17	Vertical	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 133297
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

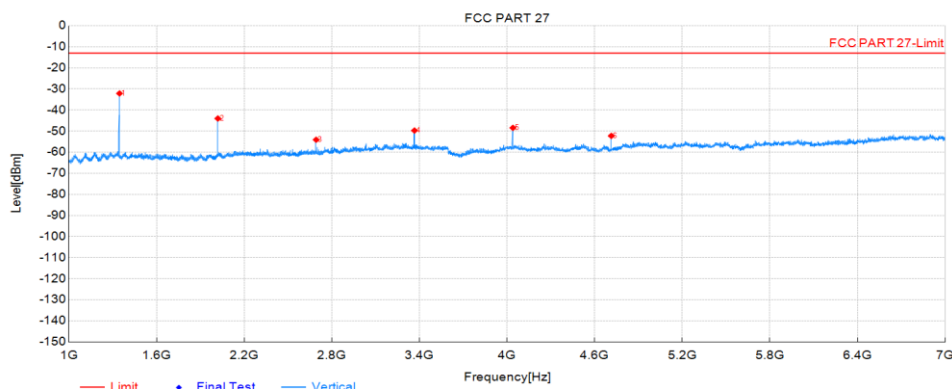
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1346.8694	-14.63	-24.05	-9.42	-13.00	11.05	Horizontal	PK	PASS
2	2019.804	-26.37	-34.65	-8.28	-13.00	21.65	Horizontal	PK	PASS
3	2693.1386	-46.58	-51.72	-5.14	-13.00	38.72	Horizontal	PK	PASS
4	4040.208	-49.54	-49.35	0.19	-13.00	36.35	Horizontal	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 133297
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

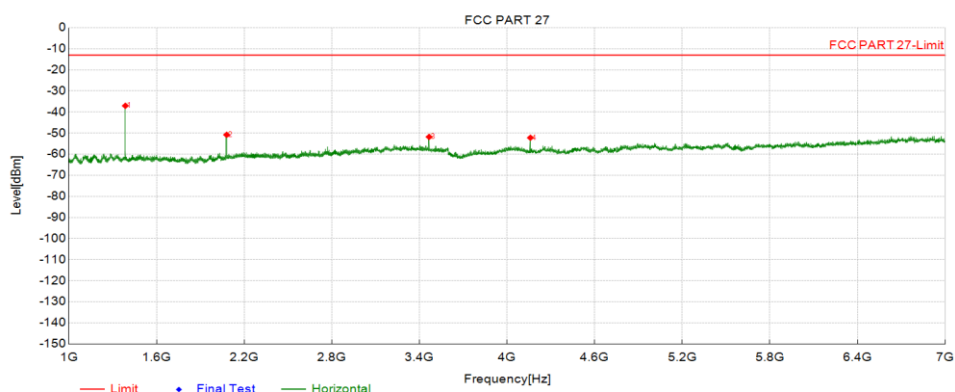
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1346.8694	-23.09	-32.11	-9.02	-13.00	19.11	Vertical	PK	PASS
2	2020.204	-35.88	-44.01	-8.13	-13.00	31.01	Vertical	PK	PASS
3	2693.1386	-49.08	-54.10	-5.02	-13.00	41.10	Vertical	PK	PASS
4	3366.4733	-47.46	-49.73	-2.27	-13.00	36.73	Vertical	PK	PASS
5	4040.208	-48.53	-48.46	0.07	-13.00	35.46	Vertical	PK	PASS
6	4713.9428	-54.21	-52.25	1.96	-13.00	39.25	Vertical	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 133447
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

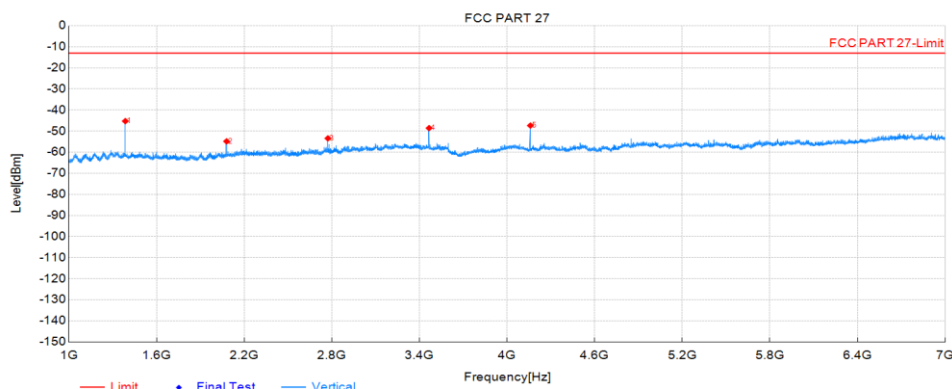
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1386.8774	-27.45	-37.03	-9.58	-13.00	24.03	Horizontal	PK	PASS
2	2080.216	-43.00	-50.79	-7.79	-13.00	37.79	Horizontal	PK	PASS
3	3466.4933	-49.63	-51.80	-2.17	-13.00	38.80	Horizontal	PK	PASS
4	4160.232	-52.19	-52.19	0.00	-13.00	39.19	Horizontal	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 133447
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

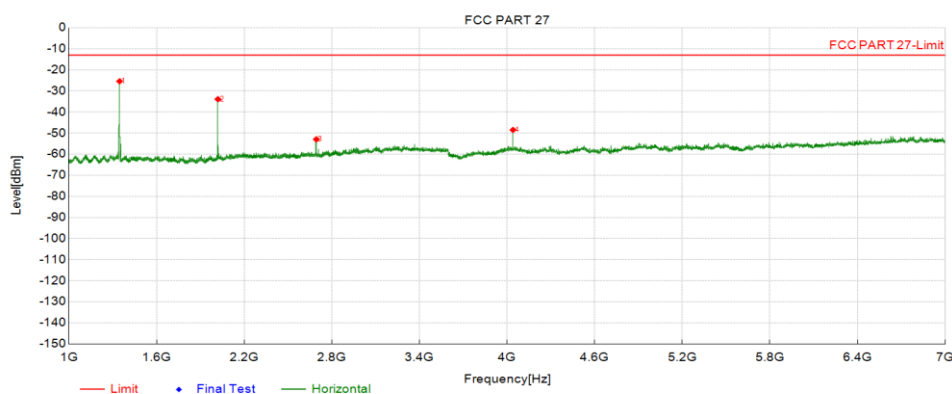
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1386.4773	-36.16	-45.26	-9.10	-13.00	32.26	Vertical	PK	PASS
2	2079.816	-47.19	-54.84	-7.65	-13.00	41.84	Vertical	PK	PASS
3	2773.5547	-48.81	-53.43	-4.62	-13.00	40.43	Vertical	PK	PASS
4	3466.4933	-46.35	-48.57	-2.22	-13.00	35.57	Vertical	PK	PASS
5	4160.232	-47.35	-47.38	-0.03	-13.00	34.38	Vertical	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 133297
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

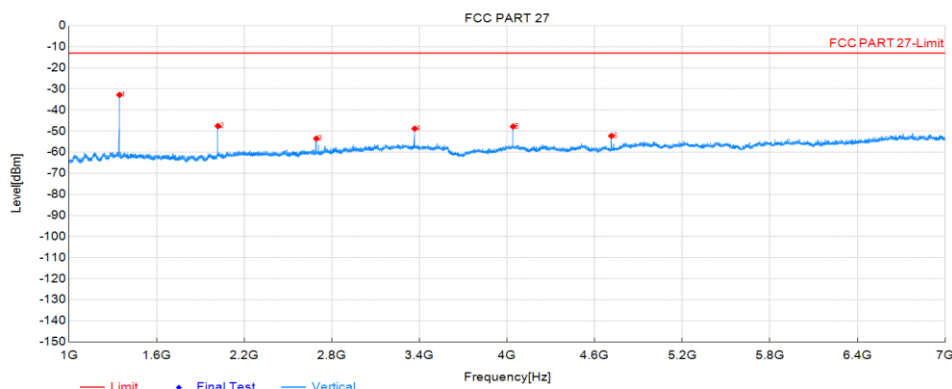
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1347.2695	-15.99	-25.41	-9.42	-13.00	12.41	Horizontal	PK	PASS
2	2020.6041	-25.62	-33.90	-8.28	-13.00	20.90	Horizontal	PK	PASS
3	2694.3389	-47.81	-52.94	-5.13	-13.00	39.94	Horizontal	PK	PASS
4	4041.0082	-48.69	-48.50	0.19	-13.00	35.50	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 133297
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

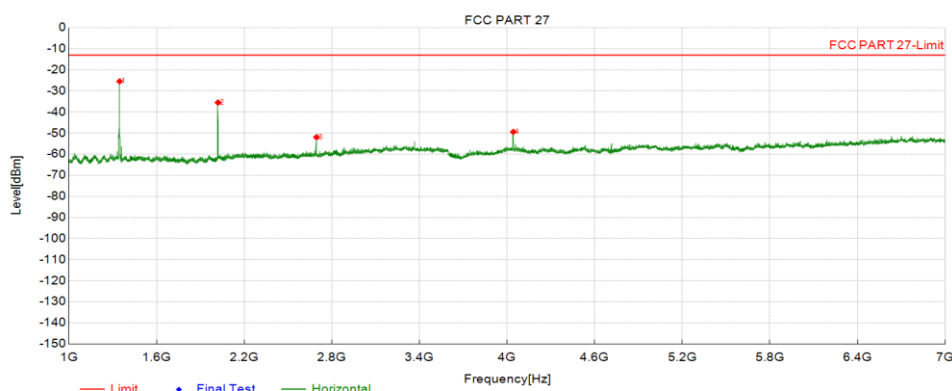
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1347.2695	-23.80	-32.82	-9.02	-13.00	19.82	Vertical	PK	PASS
2	2021.0042	-39.47	-47.60	-8.13	-13.00	34.60	Vertical	PK	PASS
3	2694.7389	-48.53	-53.54	-5.01	-13.00	40.54	Vertical	PK	PASS
4	3368.0736	-46.56	-48.83	-2.27	-13.00	35.83	Vertical	PK	PASS
5	4041.8084	-47.89	-47.81	0.08	-13.00	34.81	Vertical	PK	PASS
6	4714.7429	-54.24	-52.27	1.97	-13.00	39.27	Vertical	PK	PASS



CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 133297
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

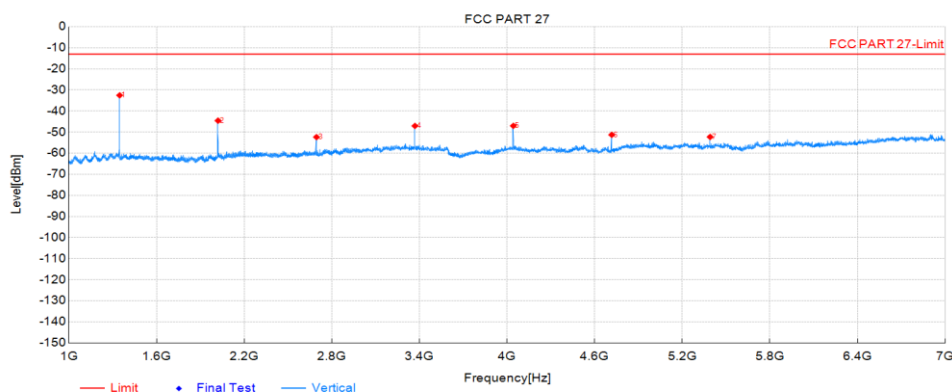
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1347.6695	-16.03	-25.45	-9.42	-13.00	12.45	Horizontal	PK	PASS
2	2021.4043	-27.20	-35.47	-8.27	-13.00	22.47	Horizontal	PK	PASS
3	2695.5391	-46.82	-51.94	-5.12	-13.00	38.94	Horizontal	PK	PASS
4	4043.4087	-49.62	-49.43	0.19	-13.00	36.43	Horizontal	PK	PASS



CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 133297
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

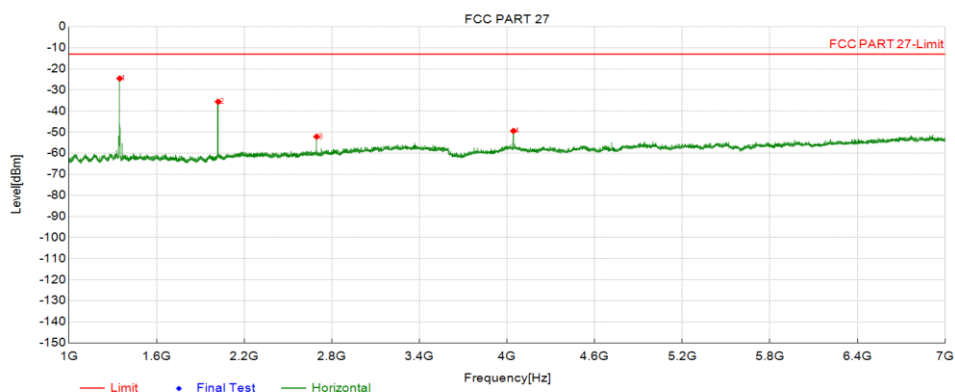
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1347.6695	-23.53	-32.55	-9.02	-13.00	19.55	Vertical	PK	PASS
2	2021.4043	-36.43	-44.55	-8.12	-13.00	31.55	Vertical	PK	PASS
3	2695.5391	-47.36	-52.36	-5.00	-13.00	39.36	Vertical	PK	PASS
4	3369.6739	-44.79	-47.06	-2.27	-13.00	34.06	Vertical	PK	PASS
5	4043.4087	-47.10	-47.03	0.07	-13.00	34.03	Vertical	PK	PASS
6	4717.1434	-53.27	-51.29	1.98	-13.00	38.29	Vertical	PK	PASS
7	5390.8782	-56.13	-52.27	3.86	-13.00	39.27	Vertical	PK	PASS



CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 133297
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

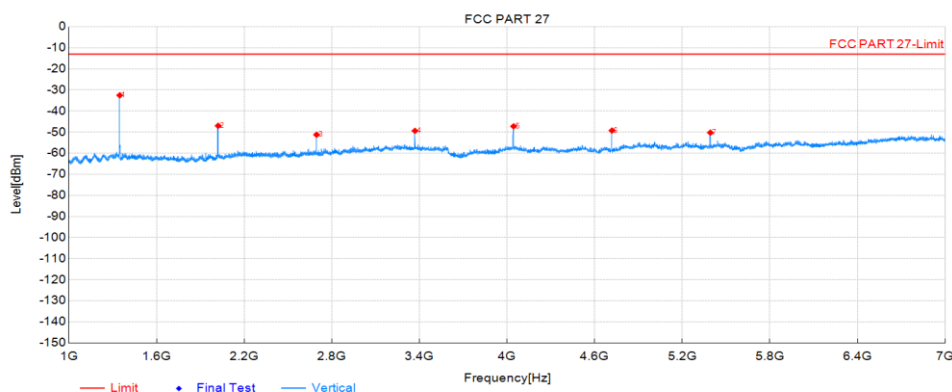
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1348.0696	-15.13	-24.55	-9.42	-13.00	11.55	Horizontal	PK	PASS
2	2022.2044	-27.30	-35.57	-8.27	-13.00	22.57	Horizontal	PK	PASS
3	2696.3393	-47.05	-52.17	-5.12	-13.00	39.17	Horizontal	PK	PASS
4	4044.2088	-49.64	-49.45	0.19	-13.00	36.45	Horizontal	PK	PASS



CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 133297
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1348.4697	-23.52	-32.54	-9.02	-13.00	19.54	Vertical	PK	PASS
2	2022.2044	-38.87	-46.99	-8.12	-13.00	33.99	Vertical	PK	PASS
3	2696.3393	-46.24	-51.24	-5.00	-13.00	38.24	Vertical	PK	PASS
4	3369.6739	-47.14	-49.41	-2.27	-13.00	36.41	Vertical	PK	PASS
5	4045.009	-47.33	-47.26	0.07	-13.00	34.26	Vertical	PK	PASS
6	4718.7437	-51.26	-49.27	1.99	-13.00	36.27	Vertical	PK	PASS
7	5392.4785	-54.11	-50.25	3.86	-13.00	37.25	Vertical	PK	PASS





Test Report No.: RF20260304B001-Part 27 Report(B7&B12&B13&B71)

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

5 INFORMATION ON THE TESTING LABORATORIES

We, Boomwave Test (Shenzhen) co., Ltd., were founded in 2025 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Boomwave Test (Shenzhen) Co., Ltd.

Lab Address:

Rm B38, Warehouse A5(Chiwan #1), #3 Chiwan 4th Rd, Chiwan Comm, Zhaoshang St, Nanshan Dist, Shenzhen, Guangdong, Shenzhen, China

Accredited Test Lab Cert 7607.01

Shenzhen EMC/RF Lab:

Mobile: +86 15118052731

Email: shimin.wang@boomwavelab.com

6 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.

--END--