

VARIANT FCC TEST REPORT

(PART 27)

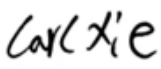
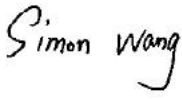
Applicant:	SIMCom Wireless Solutions Limited
Address:	8F,Building3,No.289,Linhong Road,Changning District,Shanghai, P.R.China

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.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P23070009RF04	Original release	Sep. 11, 2023
RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)	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, 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(d)(4) §27.50(h)(2)	Equivalent Isotropically Radiated Power (Band 4) (Band 38) (Band 41) (Band 66)	Compliance	A
§2.1055 §27.54	Frequency Stability	See note	--
§2.1049	Occupied Bandwidth	See note	--
§2.1051 §27.53(h) §27.53(m)(4)(6)	Conducted Band Edge Measurements (Band 4) (Band 38) (Band 41) (Band 66)	See note	--
§2.1051 §27.53(h) §27.53(m)(4)(6)	Conducted Spurious Emissions (Band 4) (Band 38) (Band 41) (Band 66)	See note	--
§2.1053 §27.53(h) §27.53(m)(4)(6)	Radiated Spurious Emissions (Band 4) (Band 38) (Band 41) (Band 66)	Compliance	A
§27.50(d)(5)	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-P23070009RF04, FCC ID: 2AJYU-8XS0001).

*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

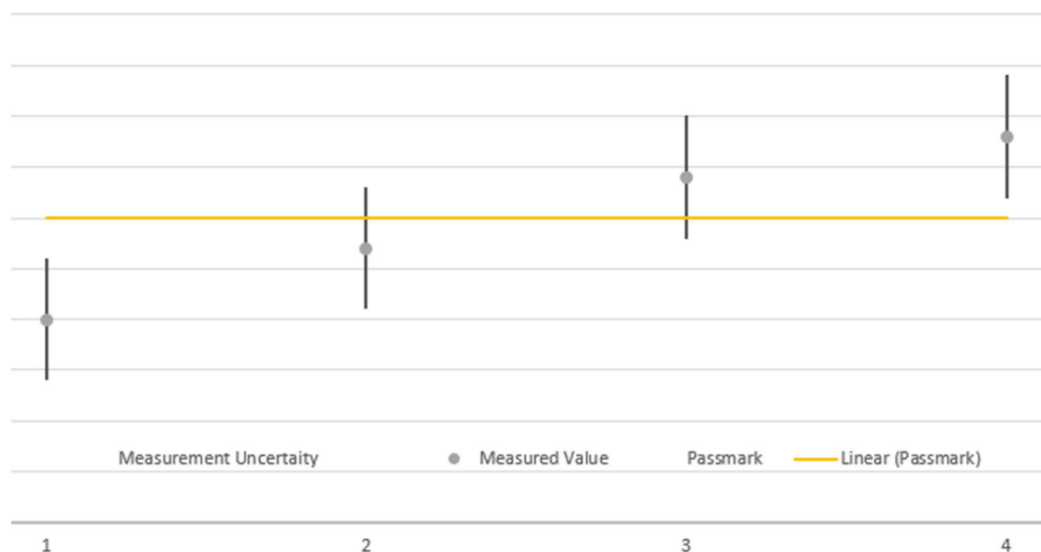
The FCC Site Registration No. is 646781; The Designation No. is CN1429.

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.

Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)

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



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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 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 38 Channel Bandwidth: 5MHz	2572.5MHz ~ 2617.5MHz
	LTE Band 38 Channel Bandwidth: 10MHz	2575MHz ~ 2615MHz
	LTE Band 38 Channel Bandwidth: 15MHz	2577.5MHz ~ 2612.5MHz
	LTE Band 38 Channel Bandwidth: 20MHz	2580MHz ~ 2610MHz
	LTE Band 41 Channel Bandwidth: 5MHz	2498.5MHz ~ 2687.5MHz
	LTE Band 41 Channel Bandwidth: 10MHz	2501MHz ~ 2685MHz
	LTE Band 41 Channel Bandwidth: 15MHz	2503.5MHz ~ 2682.5MHz
	LTE Band 41 Channel Bandwidth: 20MHz	2506MHz ~ 2680MHz
	LTE Band 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

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MAX. EIRP POWER	LTE Band 4 Channel Bandwidth: 1.4MHz	571.48mW
	LTE Band 4 Channel Bandwidth: 3MHz	576.77mW
	LTE Band 4 Channel Bandwidth: 5MHz	576.77mW
	LTE Band 4 Channel Bandwidth: 10MHz	578.10mW
	LTE Band 4 Channel Bandwidth: 15MHz	571.48mW
	LTE Band 4 Channel Bandwidth: 20MHz	579.43mW
	LTE Band 38 Channel Bandwidth: 5MHz	516.42mW
	LTE Band 38 Channel Bandwidth: 10MHz	512.86mW
	LTE Band 38 Channel Bandwidth: 15MHz	515.23mW
	LTE Band 38 Channel Bandwidth: 20MHz	517.61mW
	LTE Band 41 Channel Bandwidth: 5MHz	414.00mW
	LTE Band 41 Channel Bandwidth: 10MHz	413.05mW
	LTE Band 41 Channel Bandwidth: 15MHz	413.05mW
	LTE Band 41 Channel Bandwidth: 20MHz	416.87mW
	LTE Band 66 Channel Bandwidth: 1.4MHz	591.56mW
	LTE Band 66 Channel Bandwidth: 3MHz	592.93mW
	LTE Band 66 Channel Bandwidth: 5MHz	601.17mW
	LTE Band 66 Channel Bandwidth: 10MHz	601.17mW
	LTE Band 66 Channel Bandwidth: 15MHz	602.56mW
	LTE Band 66 Channel Bandwidth: 20MHz	605.34mW

EMISSION DESIGNATOR	LTE Band 41 Channel Bandwidth: 5MHz	QPSK: 4M50G7D 16QAM: 4M49W7D
	LTE Band 41 Channel Bandwidth: 10MHz	QPSK: 8M99G7D 16QAM: 4M83W7D
	LTE Band 41 Channel Bandwidth: 15MHz	QPSK: 13M5G7D 16QAM: 4M86W7D
	LTE Band 41 Channel Bandwidth: 20MHz	QPSK: 18M0G7D 16QAM: 4M89W7D
	LTE Band 66 Channel Bandwidth: 1.4MHz	QPSK: 1M09G7D 16QAM: 1M10W7D
	LTE Band 66 Channel Bandwidth: 3MHz	QPSK: 2M71G7D 16QAM: 2M72W7D
	LTE Band 66 Channel Bandwidth: 5MHz	QPSK: 4M52G7D 16QAM: 4M51W7D
	LTE Band 66 Channel Bandwidth: 10MHz	QPSK: 8M99G7D 16QAM: 4M88W7D
	LTE Band 66 Channel Bandwidth: 15MHz	QPSK: 13M5G7D 16QAM: 4M88W7D
	LTE Band 66 Channel Bandwidth: 20MHz	QPSK: 18M0G7D 16QAM: 4M89W7D
	☒ Provided by client	

Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)

ANTENNA TYPE	External Antenna with 4.48dBi gain for LTE B4 External Antenna with 3.76dBi gain for LTE B38 External Antenna with 3.65dBi gain for LTE B41 External Antenna with 4.36dBi gain for LTE B66
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

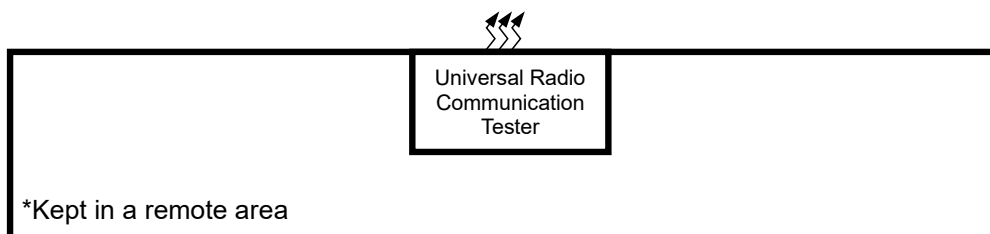
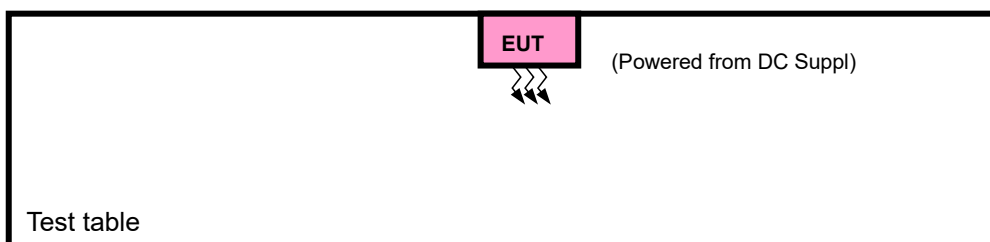
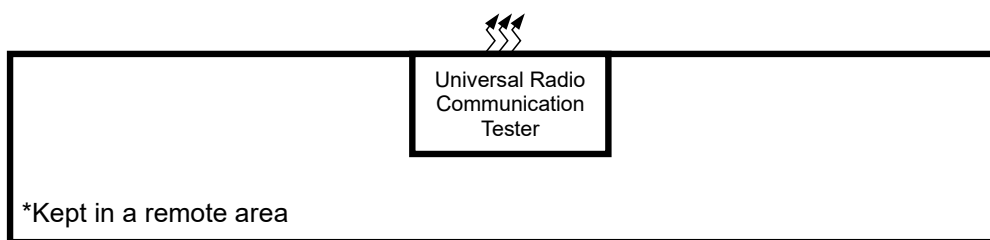
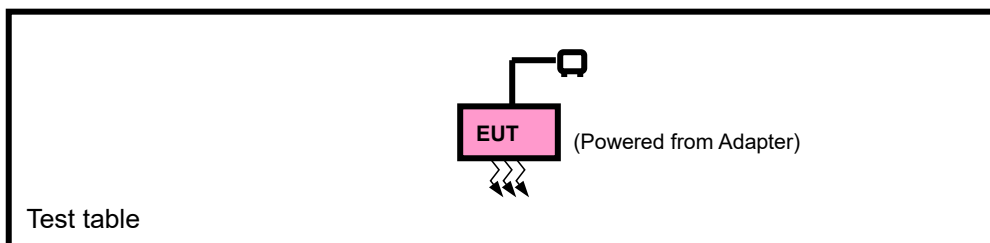
3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

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



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 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	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	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 38 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM	1 RB / 0RB Offset
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		37850 to 38150	37850, 38000, 38150	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset

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

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

LTE BAND 41 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM	1 RB / 0RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	39675 to 41565	40620	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	40620	10MHz	QPSK	1 RB / 0RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	40620	20MHz	QPSK	1 RB / 0 RB Offset

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

LTE BAND 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	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK,16QAM	1 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK,16QAM	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK,16QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	131979 to 132665	132322	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	132322	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.

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 average 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.”

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

3.1.2 TEST PROCEDURES

EIRP MEASUREMENT:

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

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_T - L_C$$

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);

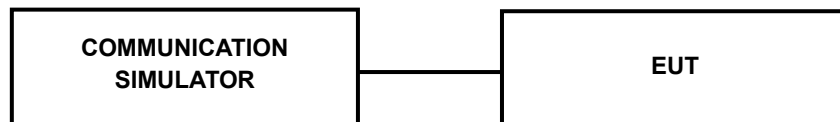
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

CONDUCTED POWER MEASUREMENT:

- 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).



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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-P23070009RF04, FCC ID: 2AJYU-8XS0001).

This report only update EIRP based on new antenna gain.

EIRP:

LTE Band 4							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	20050	1720	23.15	4.48	27.63	579.43	1
	20175	1732.5	23.14	4.48	27.62	578.10	1
	20300	1745	23.14	4.48	27.62	578.10	1
20M- 16QAM	20050	1720	22.49	4.48	26.97	497.74	1
	20175	1732.5	22.58	4.48	27.06	508.16	1
	20300	1745	22.53	4.48	27.01	502.34	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	20025	1717.5	23.08	4.48	27.56	570.16	1
	20175	1732.5	23.06	4.48	27.54	567.54	1
	20325	1747.5	23.09	4.48	27.57	571.48	1
15M- 16QAM	20025	1717.5	22.46	4.48	26.94	494.31	1
	20175	1732.5	22.54	4.48	27.02	503.50	1
	20325	1747.5	22.46	4.48	26.94	494.31	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	20000	1715	23.08	4.48	27.56	570.16	1
	20175	1732.5	23.14	4.48	27.62	578.10	1
	20350	1750	23.04	4.48	27.52	564.94	1
10M- 16QAM	20000	1715	22.42	4.48	26.90	489.78	1
	20175	1732.5	22.53	4.48	27.01	502.34	1
	20350	1750	22.47	4.48	26.95	495.45	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	19975	1712.5	23.13	4.48	27.61	576.77	1
	20175	1732.5	23.06	4.48	27.54	567.54	1
	20375	1752.5	23.09	4.48	27.57	571.48	1
5M-16QAM	19975	1712.5	22.38	4.48	26.86	485.29	1
	20175	1732.5	22.57	4.48	27.05	506.99	1
	20375	1752.5	22.52	4.48	27.00	501.19	1

LTE Band 4							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
3M-QPSK	19965	1711.5	23.07	4.48	27.55	568.85	1
	20175	1732.5	23.13	4.48	27.61	576.77	1
	20385	1753.5	23.05	4.48	27.53	566.24	1
3M-16QAM	19965	1711.5	22.39	4.48	26.87	486.41	1
	20175	1732.5	22.58	4.48	27.06	508.16	1
	20385	1753.5	22.45	4.48	26.93	493.17	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
1.4M-QPSK	19957	1710.7	23.09	4.48	27.57	571.48	1
	20175	1732.5	23.04	4.48	27.52	564.94	1
	20393	1754.3	23.07	4.48	27.55	568.85	1
1.4M-16QAM	19957	1710.7	22.53	4.48	27.01	502.34	1
	20175	1732.5	22.66	4.48	27.14	517.61	1
	20393	1754.3	22.62	4.48	27.10	512.86	1

LTE Band 38							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	37850	2580	23.38	3.76	27.14	517.61	2
	38000	2595	23.34	3.76	27.10	512.86	2
	38150	2610	22.85	3.76	26.61	458.14	2
20M- 16QAM	37850	2580	22.42	3.76	26.18	414.95	2
	38000	2595	22.47	3.76	26.23	419.76	2
	38150	2610	22.02	3.76	25.78	378.44	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	37825	2577.5	23.36	3.76	27.12	515.23	2
	38000	2595	23.30	3.76	27.06	508.16	2
	38175	2612.5	22.77	3.76	26.53	449.78	2
15M- 16QAM	37825	2577.5	22.37	3.76	26.13	410.20	2
	38000	2595	22.43	3.76	26.19	415.91	2
	38175	2612.5	21.93	3.76	25.69	370.68	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	37800	2575	23.34	3.76	27.10	512.86	2
	38000	2595	23.34	3.76	27.10	512.86	2
	38200	2615	22.83	3.76	26.59	456.04	2
10M- 16QAM	37800	2575	22.36	3.76	26.12	409.26	2
	38000	2595	22.42	3.76	26.18	414.95	2
	38200	2615	21.95	3.76	25.71	372.39	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	37775	2572.5	23.37	3.76	27.13	516.42	2
	38000	2595	23.28	3.76	27.04	505.82	2
	38225	2617.5	22.84	3.76	26.60	457.09	2
5M-16QAM	37775	2572.5	22.38	3.76	26.14	411.15	2
	38000	2595	22.35	3.76	26.11	408.32	2
	38225	2617.5	22.00	3.76	25.76	376.70	2

LTE Band 41							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	39750	2506	22.55	3.65	26.20	416.87	2
	40620	2593	22.55	3.65	26.20	416.87	2
	41490	2680	22.43	3.65	26.08	405.51	2
20M- 16QAM	39750	2506	21.77	3.65	25.42	348.34	2
	40620	2593	21.65	3.65	25.30	338.84	2
	41490	2680	21.61	3.65	25.26	335.74	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	39725	2503.5	22.49	3.65	26.14	411.15	2
	40620	2593	22.51	3.65	26.16	413.05	2
	41515	2682.5	22.36	3.65	26.01	399.02	2
15M- 16QAM	39725	2503.5	21.75	3.65	25.40	346.74	2
	40620	2593	21.63	3.65	25.28	337.29	2
	41515	2682.5	21.57	3.65	25.22	332.66	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	39700	2501	22.51	3.65	26.16	413.05	2
	40620	2593	22.50	3.65	26.15	412.10	2
	41540	2685	22.38	3.65	26.03	400.87	2
10M- 16QAM	39700	2501	21.76	3.65	25.41	347.54	2
	40620	2593	21.65	3.65	25.30	338.84	2
	41540	2685	21.53	3.65	25.18	329.61	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	39675	2498.5	22.52	3.65	26.17	414.00	2
	40620	2593	22.45	3.65	26.10	407.38	2
	41565	2687.5	22.33	3.65	25.98	396.28	2
5M-16QAM	39675	2498.5	21.72	3.65	25.37	344.35	2
	40620	2593	21.60	3.65	25.25	334.97	2
	41565	2687.5	21.54	3.65	25.19	330.37	2

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LTE Band 66							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-QPSK	132072	1720	23.46	4.36	27.82	605.34	1
	132322	1745	23.15	4.36	27.51	563.64	1
	132572	1770	22.90	4.36	27.26	532.11	1
20M- 16QAM	132072	1720	22.70	4.36	27.06	508.16	1
	132322	1745	22.48	4.36	26.84	483.06	1
	132572	1770	22.21	4.36	26.57	453.94	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	132047	1717.5	23.44	4.36	27.80	602.56	1
	132322	1745	23.05	4.36	27.41	550.81	1
	132597	1772.5	22.78	4.36	27.14	517.61	1
15M- 16QAM	132047	1717.5	22.70	4.36	27.06	508.16	1
	132322	1745	22.41	4.36	26.77	475.34	1
	132597	1772.5	22.18	4.36	26.54	450.82	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	132022	1715	23.43	4.36	27.79	601.17	1
	132322	1745	23.09	4.36	27.45	555.90	1
	132622	1775	22.82	4.36	27.18	522.40	1
10M- 16QAM	132022	1715	22.66	4.36	27.02	503.50	1
	132322	1745	22.46	4.36	26.82	480.84	1
	132622	1775	22.13	4.36	26.49	445.66	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	131997	1712.5	23.43	4.36	27.79	601.17	1
	132322	1745	23.11	4.36	27.47	558.47	1
	132647	1777.5	22.86	4.36	27.22	527.23	1
5M-16QAM	131997	1712.5	22.68	4.36	27.04	505.82	1
	132322	1745	22.47	4.36	26.83	481.95	1
	132647	1777.5	22.19	4.36	26.55	451.86	1

LTE Band 66							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
3M-QPSK	131987	1711.5	23.37	4.36	27.73	592.93	1
	132322	1745	23.15	4.36	27.51	563.64	1
	132657	1778.5	22.89	4.36	27.25	530.88	1
3M-16QAM	131987	1711.5	22.69	4.36	27.05	506.99	1
	132322	1745	22.46	4.36	26.82	480.84	1
	132657	1778.5	22.11	4.36	26.47	443.61	1
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
1.4M-QPSK	131979	1710.7	23.36	4.36	27.72	591.56	1
	132322	1745	23.11	4.36	27.47	558.47	1
	132665	1779.3	22.89	4.36	27.25	530.88	1
1.4M- 16QAM	131979	1710.7	22.97	4.36	27.33	540.75	1
	132322	1745	22.78	4.36	27.14	517.61	1
	132665	1779.3	22.37	4.36	26.73	470.98	1

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

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

For LTE Band4/66

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 is equal to -13dBm .

For LTE Band38/41

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

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

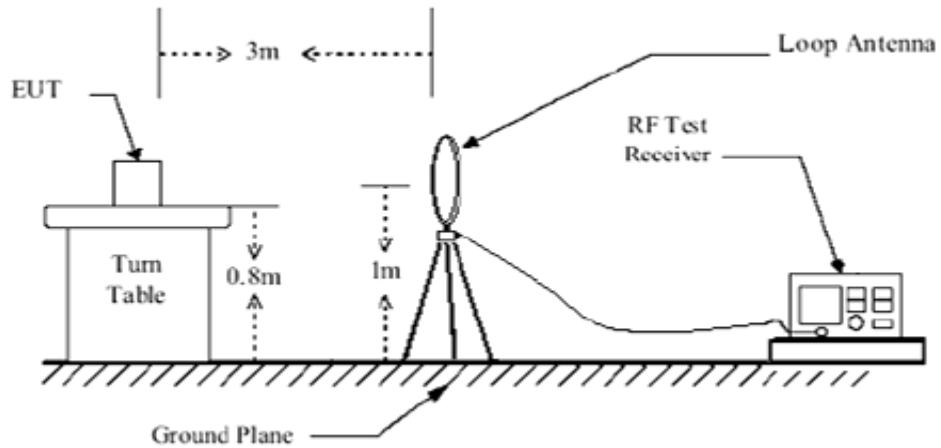
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.2.3 DEVIATION FROM TEST STANDARD

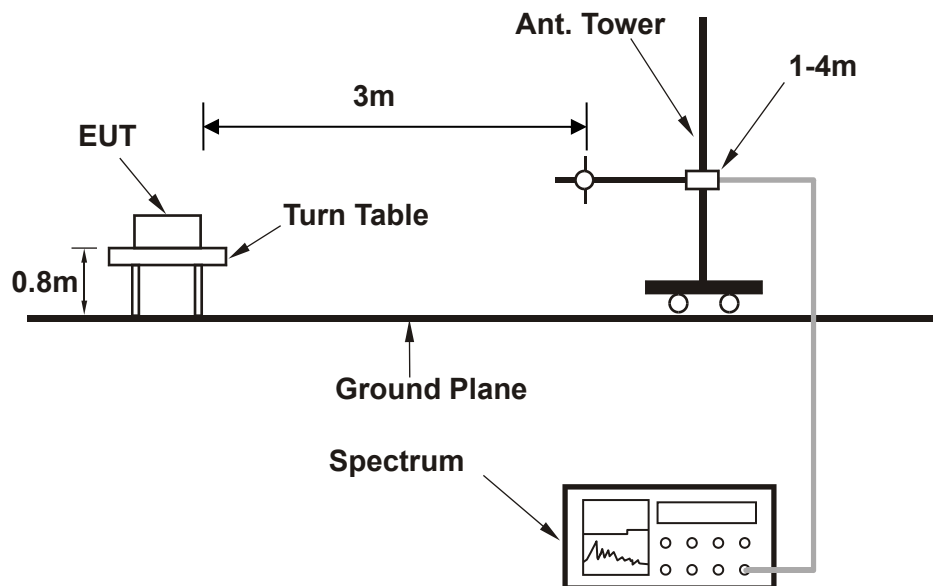
No deviation

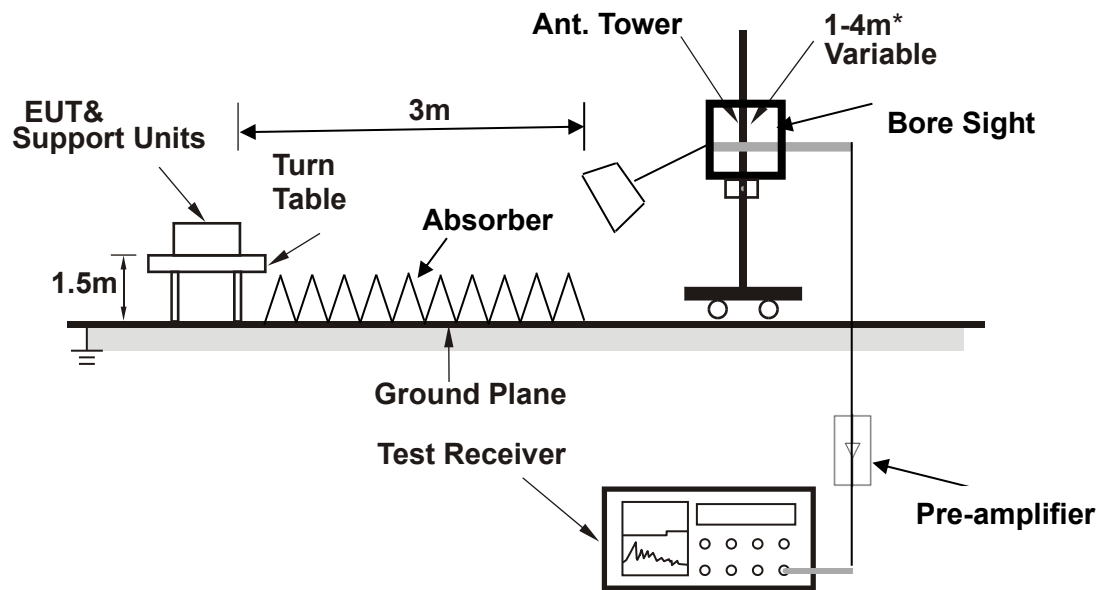
3.2.4 TEST SETUP

< 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).

Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)

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 66									
CHANNEL BANDWIDTH:3MHz / QPSK									
MODE	TX channel 131987				FREQUENCY RANGE		30 MHz – 1GHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH				INPUT POWER		AC 120V 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	36.0152	-57.08	-60.75	-3.67	-13.00	47.75	Horizontal	PK	PASS
2	52.1204	-55.56	-66.11	-10.55	-13.00	53.11	Horizontal	PK	PASS
3	228.3077	-63.48	-68.58	-5.10	-13.00	55.58	Horizontal	PK	PASS
4	396.5393	-65.42	-67.91	-2.49	-13.00	54.91	Horizontal	PK	PASS
5	594.847	-65.66	-66.81	-1.15	-13.00	53.81	Horizontal	PK	PASS
6	935.191	-66.49	-63.19	3.30	-13.00	50.19	Horizontal	PK	PASS

FCC PART 27

Level[dBm]

Frequency[Hz]

— Limit • Final Test — Horizontal

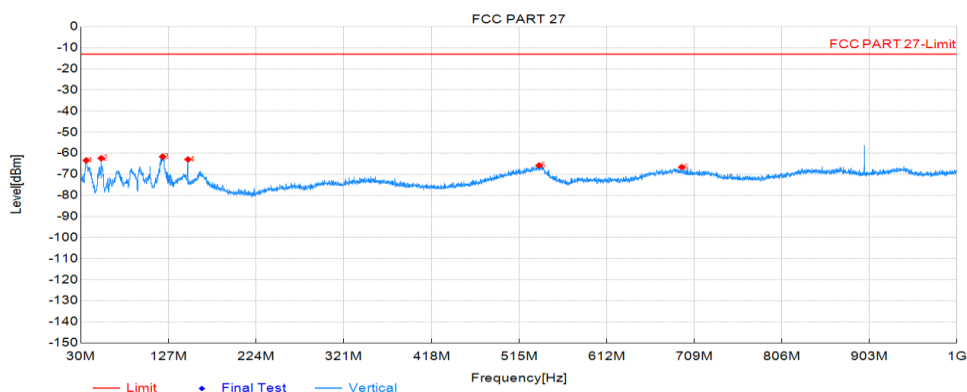
FCC PART 27-Limit

Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)

MODE	TX channel 131987	FREQUENCY RANGE	30 MHz – 1GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V 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	36.0152	-49.94	-63.41	-13.47	-13.00	50.41	Vertical	PK	PASS
2	52.5085	-42.44	-62.41	-19.97	-13.00	49.41	Vertical	PK	PASS
3	120.4221	-49.23	-61.64	-12.41	-13.00	48.64	Vertical	PK	PASS
4	148.5577	-53.05	-62.95	-9.90	-13.00	49.95	Vertical	PK	PASS
5	537.2174	-65.94	-65.81	0.13	-13.00	52.81	Vertical	PK	PASS
6	695.165	-66.15	-66.62	-0.47	-13.00	53.62	Vertical	PK	PASS



ABOVE 1GHz

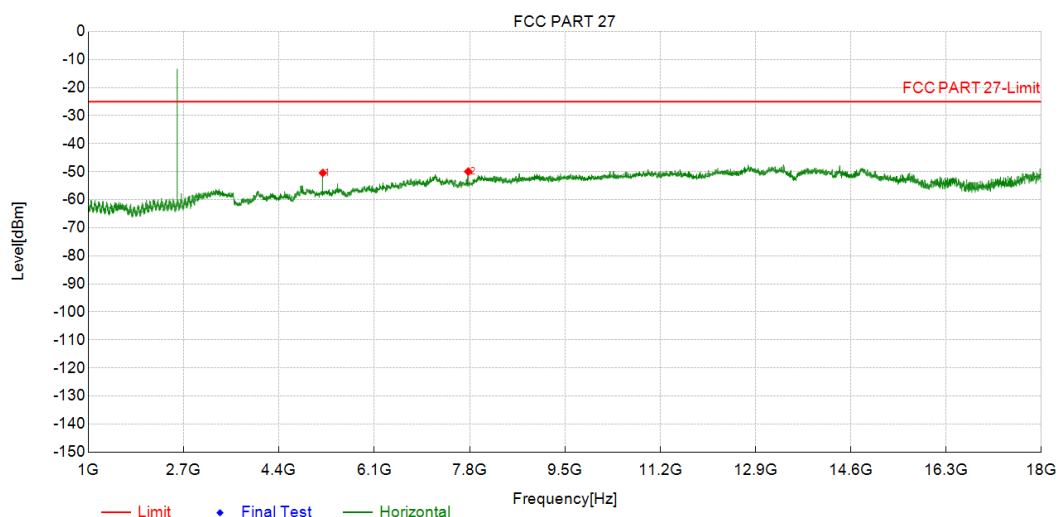
Note: For higher frequency, the emission is too low to be detected.

LTE BAND 41

CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

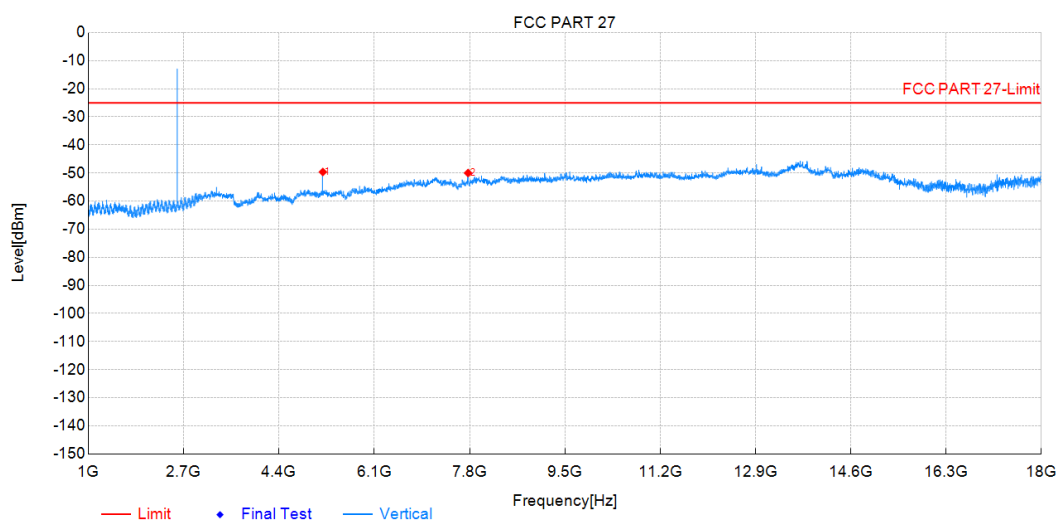
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5181.4363	-53.94	-50.43	3.51	-25.00	25.43	Horizontal	PK	PASS
2	7773.9548	-58.99	-49.93	9.06	-25.00	24.93	Horizontal	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

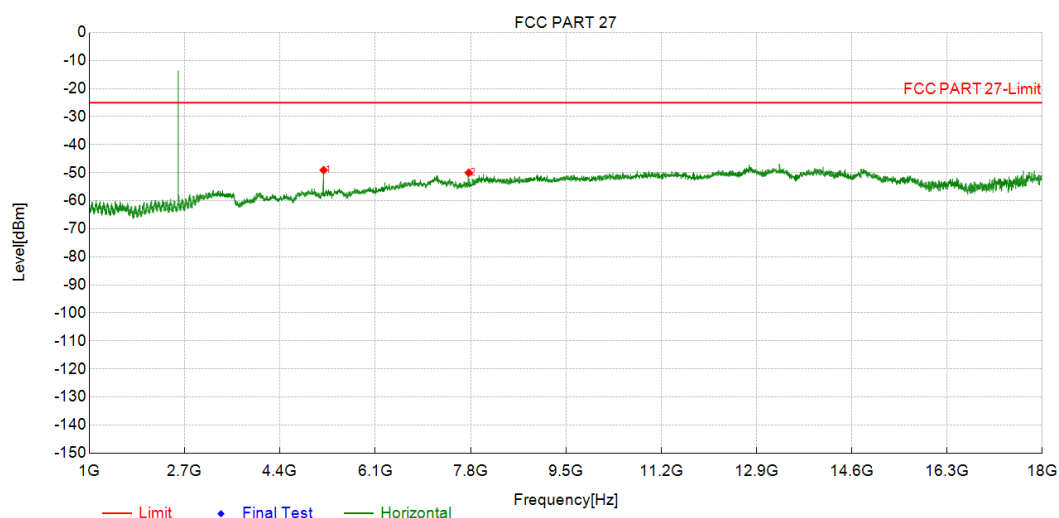
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5181.4363	-53.56	-49.61	3.95	-25.00	24.61	Vertical	PK	PASS
2	7770.9542	-59.87	-49.98	9.89	-25.00	24.98	Vertical	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

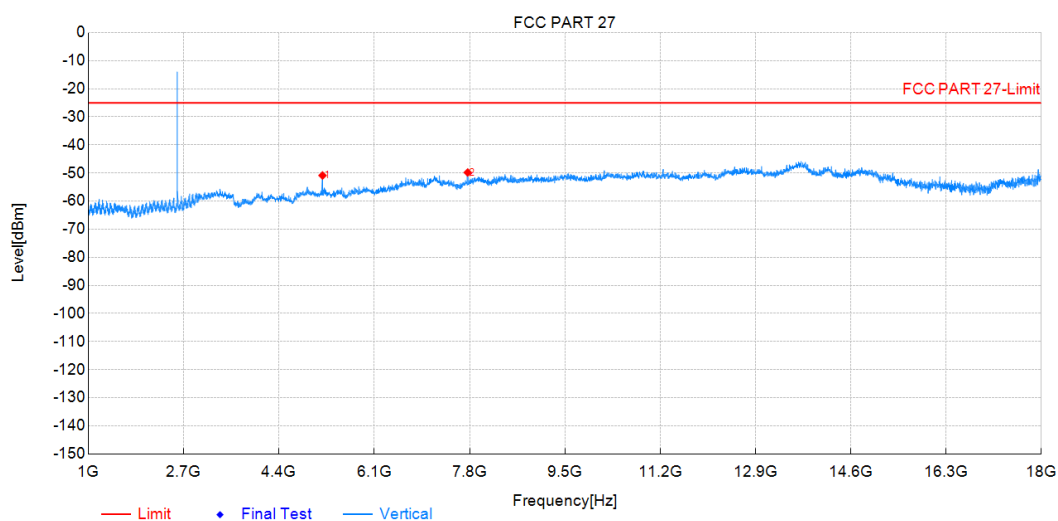
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5178.4357	-52.61	-49.08	3.53	-25.00	24.08	Horizontal	PK	PASS
2	7764.953	-59.04	-50.01	9.03	-25.00	25.01	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 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	5175.4351	-54.82	-50.87	3.95	-25.00	25.87	Vertical	PK	PASS
2	7764.953	-59.63	-49.80	9.83	-25.00	24.80	Vertical	PK	PASS

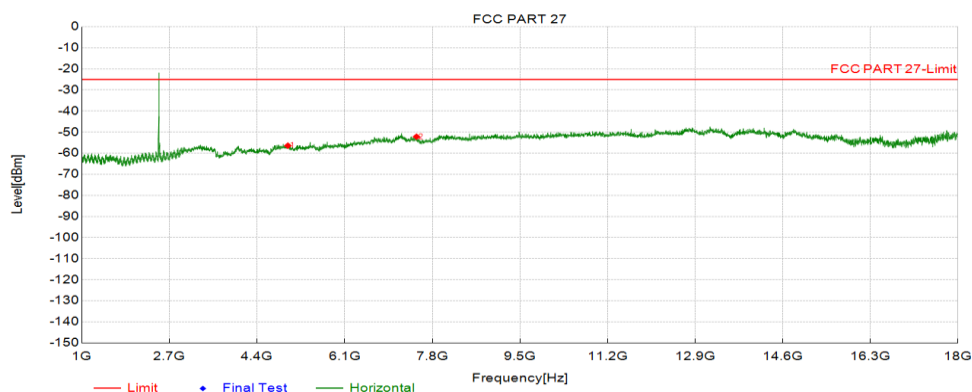


CH39725

CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 39725
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 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	4995.3991	-60.36	-56.45	3.91	-25.00	31.45	Horizontal	PK	PASS
2	7491.8984	-60.91	-52.17	8.74	-25.00	27.17	Horizontal	PK	PASS

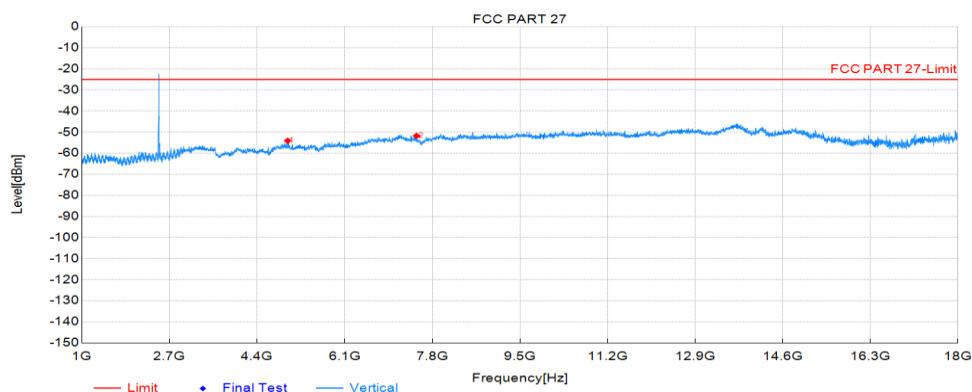


Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)

CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 39725
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 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	4992.3985	-58.01	-54.10	3.91	-25.00	29.10	Vertical	PK	PASS
2	7491.8984	-60.55	-51.76	8.79	-25.00	26.76	Vertical	PK	PASS

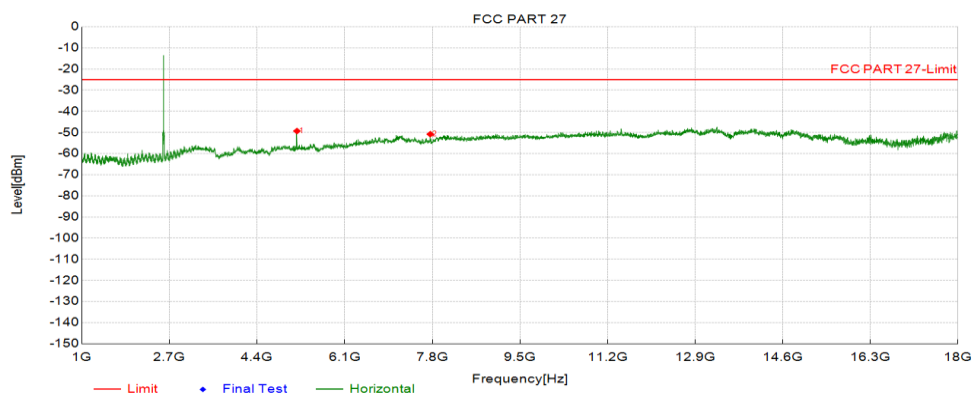


Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)
CH40620

CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 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	5172.4345	-52.88	-49.34	3.54	-25.00	24.34	Horizontal	PK	PASS
2	7758.9518	-59.82	-50.81	9.01	-25.00	25.81	Horizontal	PK	PASS

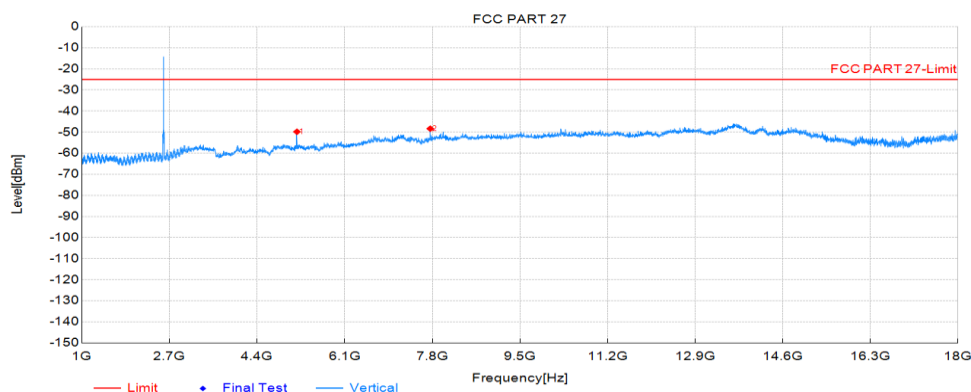


Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)

CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 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	5172.4345	-53.77	-49.82	3.95	-25.00	24.82	Vertical	PK	PASS
2	7758.9518	-58.15	-48.36	9.79	-25.00	23.36	Vertical	PK	PASS

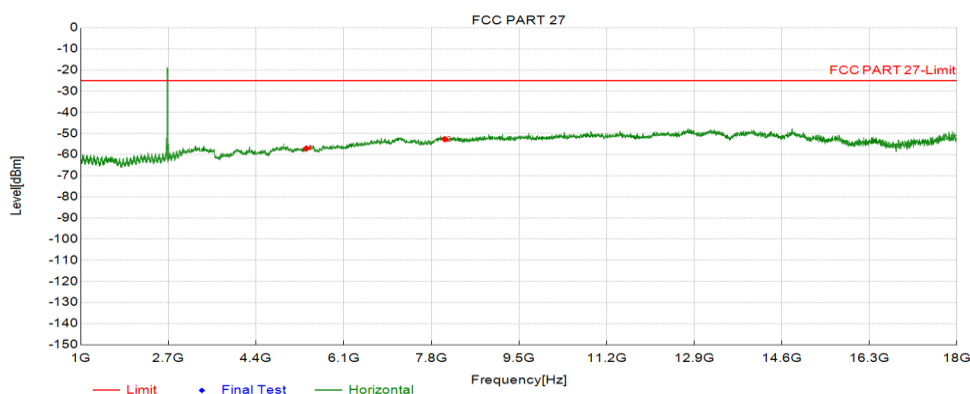


Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)
CH41515

CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 41515
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 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	5373.4747	-61.13	-57.14	3.99	-25.00	32.14	Horizontal	PK	PASS
2	8062.0124	-63.14	-52.78	10.36	-25.00	27.78	Horizontal	PK	PASS

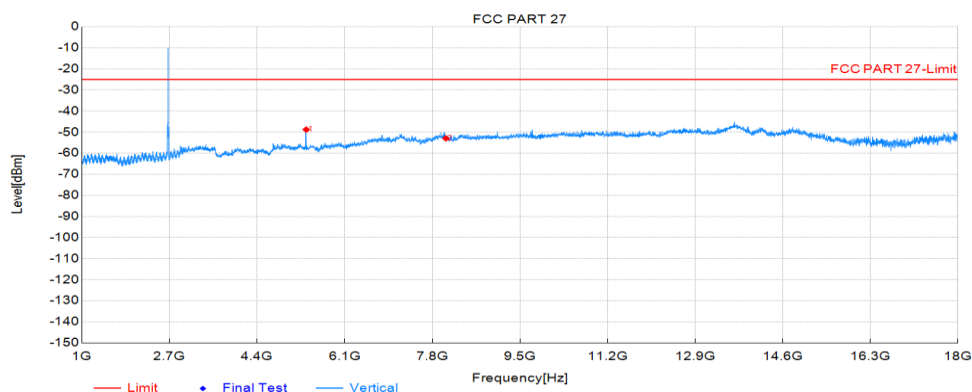


Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)

CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 41515
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

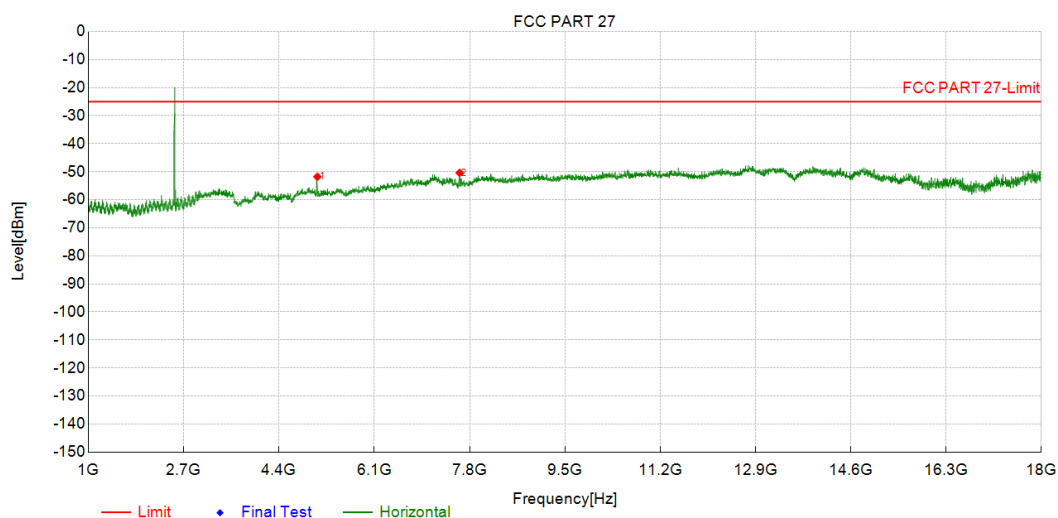
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5352.4705	-52.67	-48.79	3.88	-25.00	23.79	Vertical	PK	PASS
2	8062.0124	-63.14	-52.95	10.19	-25.00	27.95	Vertical	PK	PASS



CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

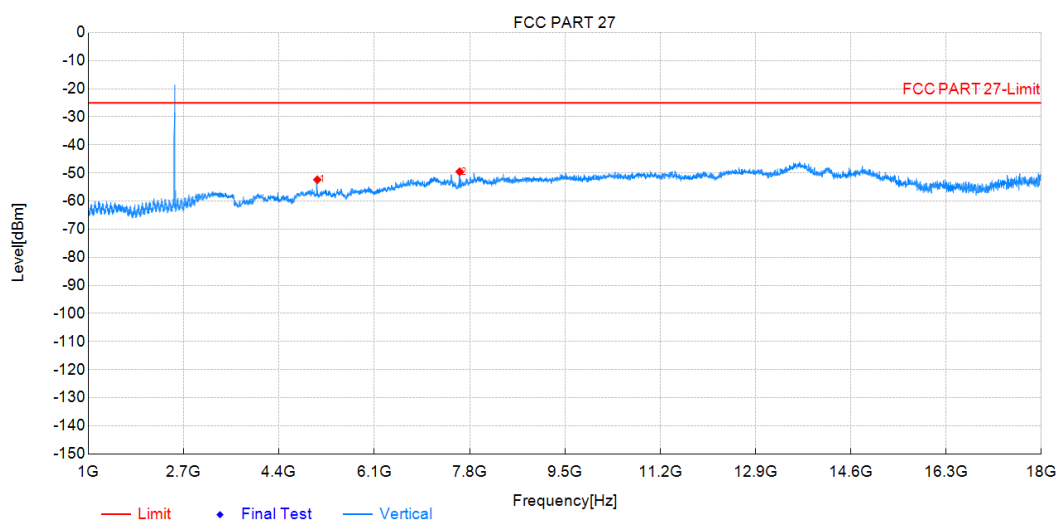
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5082.4165	-55.54	-51.79	3.75	-25.00	26.79	Horizontal	PK	PASS
2	7620.9242	-59.10	-50.40	8.70	-25.00	25.40	Horizontal	PK	PASS



CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 40620
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 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	5082.4165	-56.35	-52.39	3.96	-25.00	27.39	Vertical	PK	PASS
2	7620.9242	-58.20	-49.52	8.68	-25.00	24.52	Vertical	PK	PASS

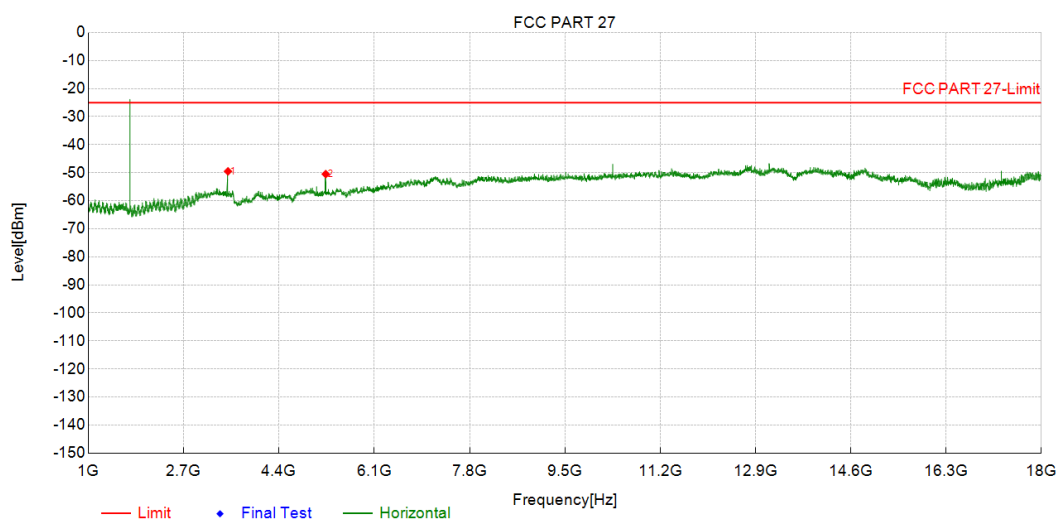


LTE Band66

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	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

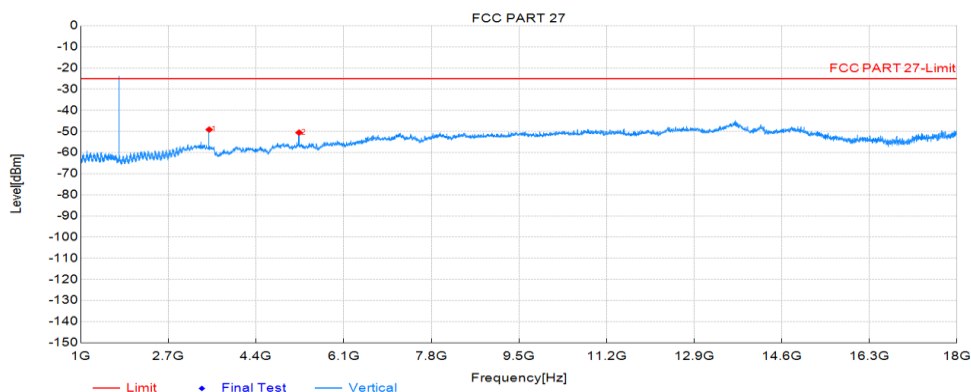
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3489.0978	-47.32	-49.50	-2.18	-25.00	24.50	Horizontal	PK	PASS
2	5232.4465	-54.06	-50.49	3.57	-25.00	25.49	Horizontal	PK	PASS



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	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	3489.0978	-46.92	-49.13	-2.21	-25.00	24.13	Vertical	PK	PASS
2	5232.4465	-54.49	-50.55	3.94	-25.00	25.55	Vertical	PK	PASS

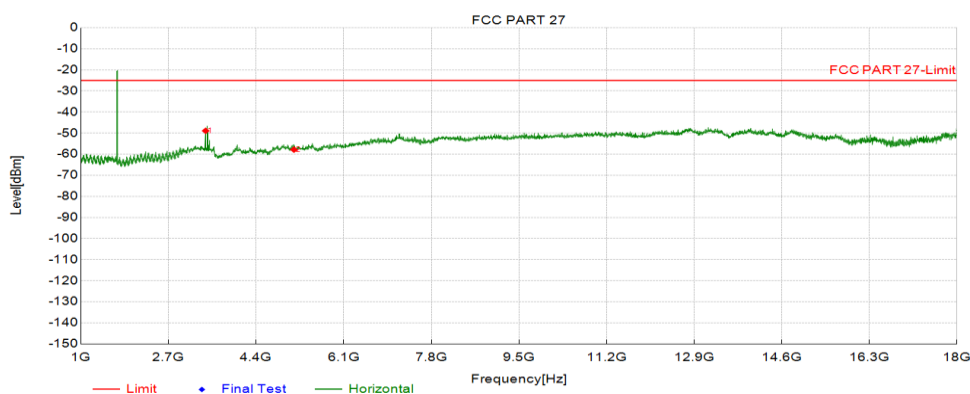


Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)
CH131987

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 131987
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 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	3420.084	-46.74	-48.89	-2.15	-25.00	23.89	Horizontal	PK	PASS
2	5133.4267	-61.45	-57.83	3.62	-25.00	32.83	Horizontal	PK	PASS

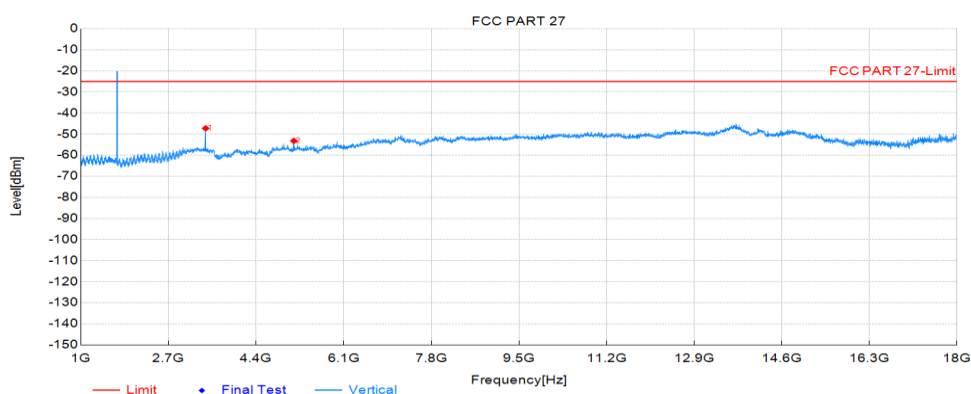


Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 131987
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 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	3420.084	-45.01	-47.25	-2.24	-25.00	22.25	Vertical	PK	PASS
2	5130.4261	-57.15	-53.20	3.95	-25.00	28.20	Vertical	PK	PASS

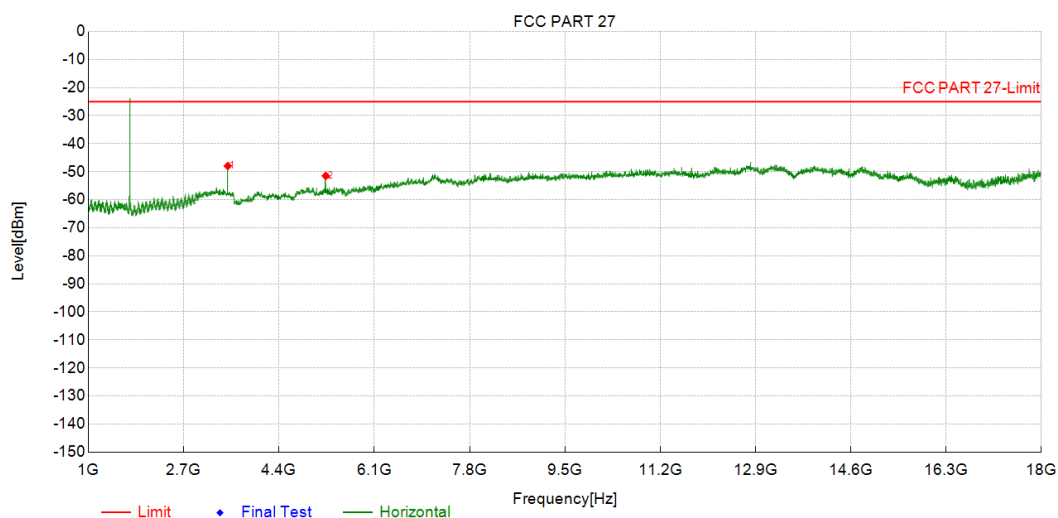


Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)
CH132322

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

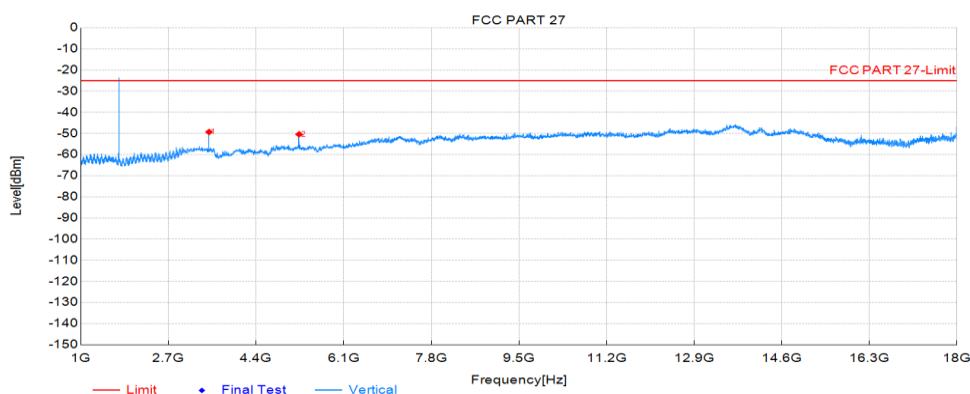
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3486.0972	-45.76	-47.94	-2.18	-25.00	22.94	Horizontal	PK	PASS
2	5232.4465	-55.05	-51.48	3.57	-25.00	26.48	Horizontal	PK	PASS



CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 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	3486.0972	-47.12	-49.33	-2.21	-25.00	24.33	Vertical	PK	PASS
2	5232.4465	-54.34	-50.40	3.94	-25.00	25.40	Vertical	PK	PASS

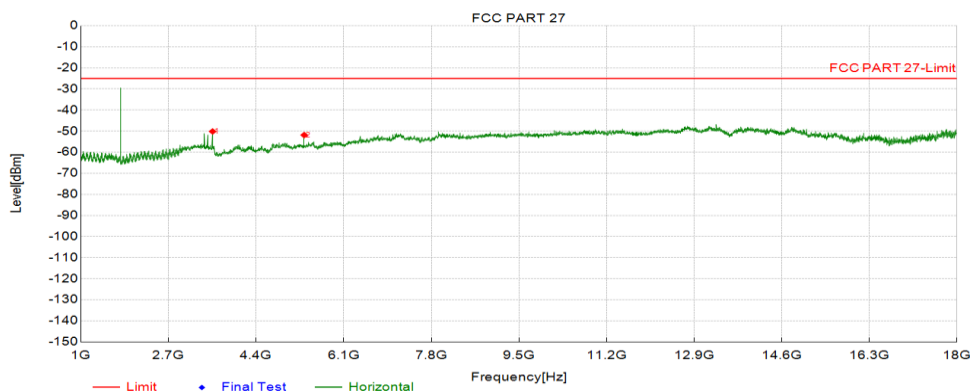


Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)
CH132657

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 132657
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

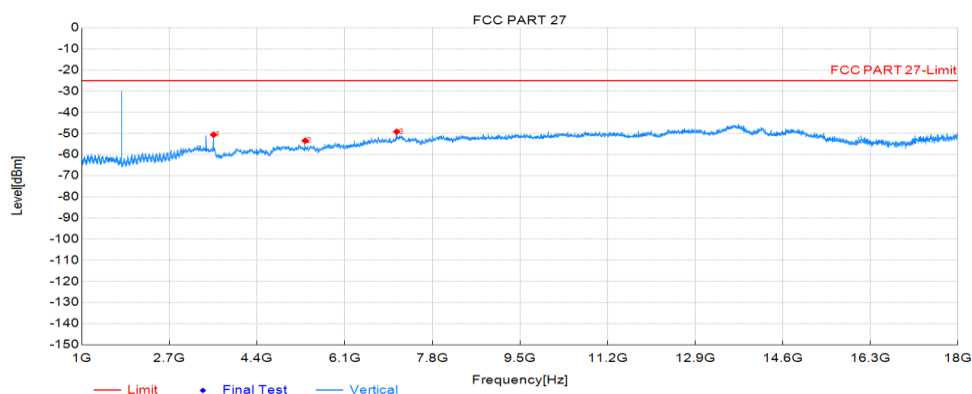
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3555.111	-47.94	-50.16	-2.22	-25.00	25.16	Horizontal	PK	PASS
2	5331.4663	-55.72	-51.87	3.85	-25.00	26.87	Horizontal	PK	PASS



CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 132657
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

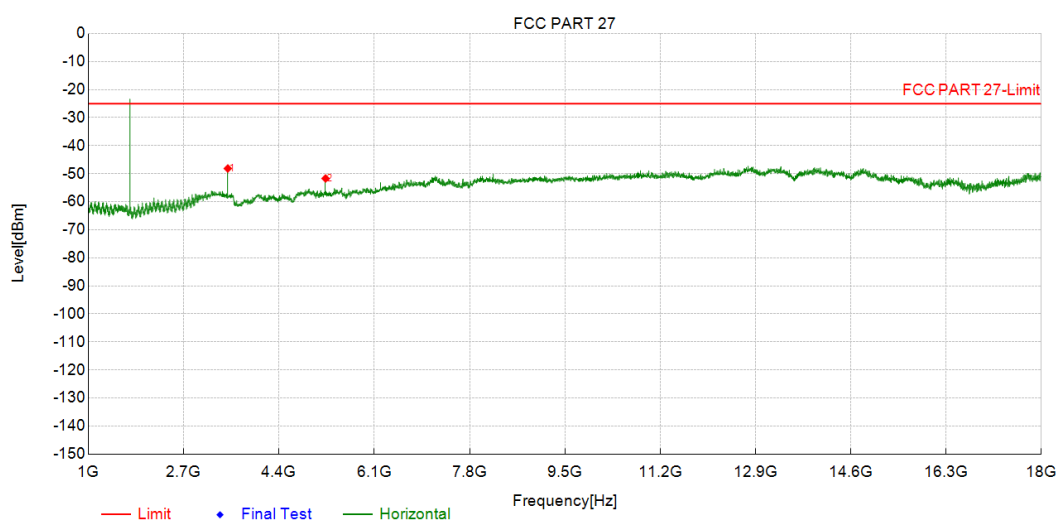
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3555.111	-48.44	-50.63	-2.19	-25.00	25.63	Vertical	PK	PASS
2	5331.4663	-57.35	-53.46	3.89	-25.00	28.46	Vertical	PK	PASS
3	7107.8216	-58.35	-49.20	9.15	-25.00	24.20	Vertical	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie
TESTED BY	Carl Xie		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

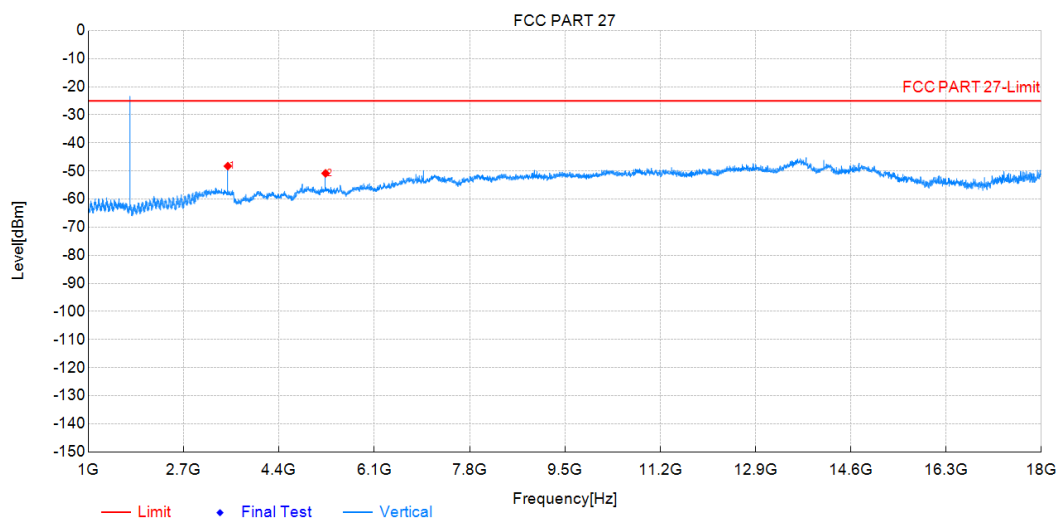
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3486.0972	-45.95	-48.13	-2.18	-25.00	23.13	Horizontal	PK	PASS
2	5229.4459	-55.24	-51.69	3.55	-25.00	26.69	Horizontal	PK	PASS



CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

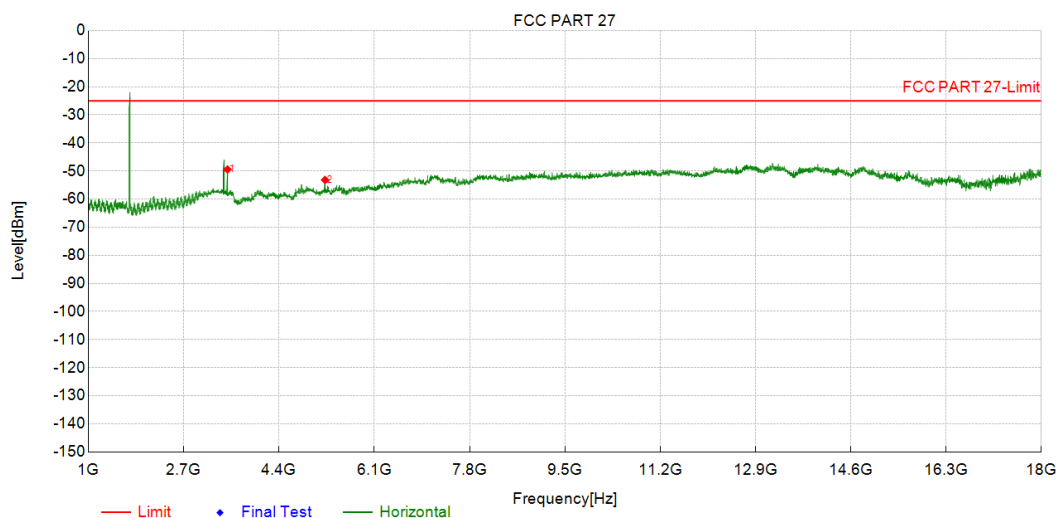
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3486.0972	-46.03	-48.24	-2.21	-25.00	23.24	Vertical	PK	PASS
2	5229.4459	-54.74	-50.81	3.93	-25.00	25.81	Vertical	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

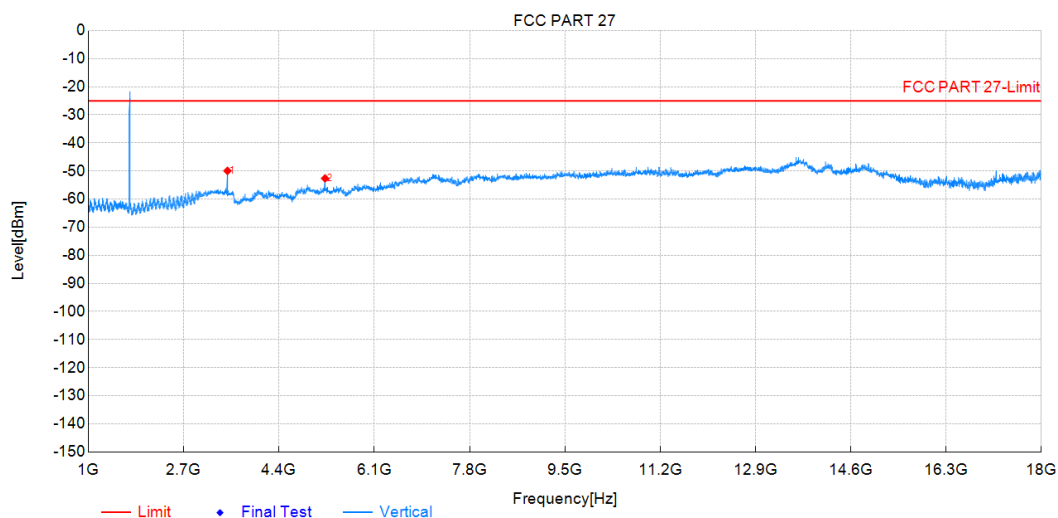
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3480.096	-47.25	-49.43	-2.18	-25.00	24.43	Horizontal	PK	PASS
2	5220.4441	-56.70	-53.17	3.53	-25.00	28.17	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

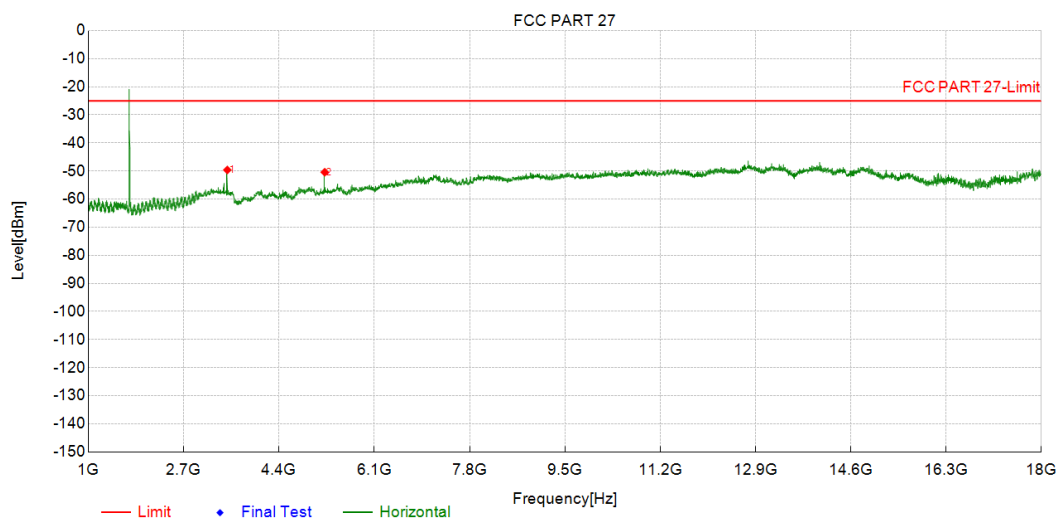
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3480.096	-47.71	-49.93	-2.22	-25.00	24.93	Vertical	PK	PASS
2	5220.4441	-56.56	-52.62	3.94	-25.00	27.62	Vertical	PK	PASS



CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

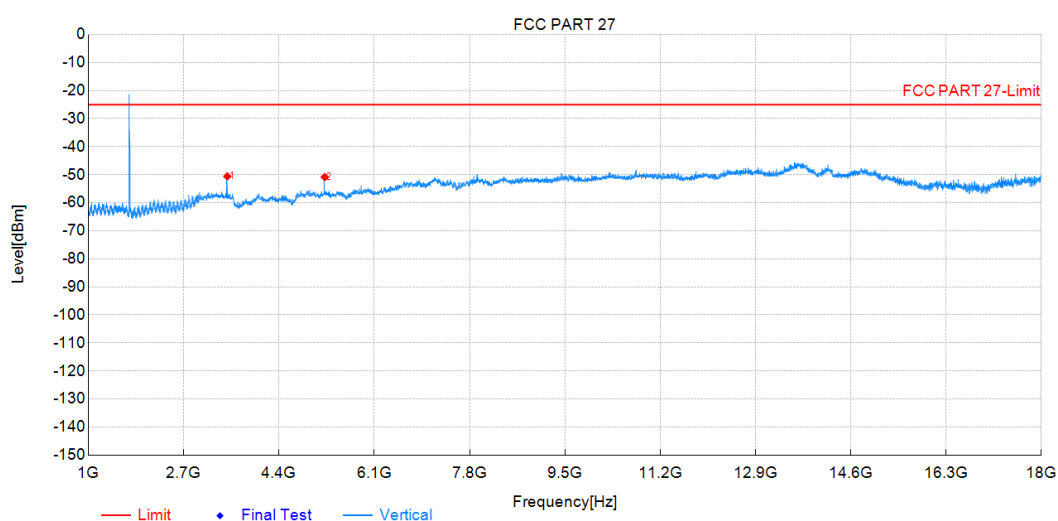
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3477.0954	-47.43	-49.61	-2.18	-25.00	24.61	Horizontal	PK	PASS
2	5214.4429	-53.94	-50.42	3.52	-25.00	25.42	Horizontal	PK	PASS



CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

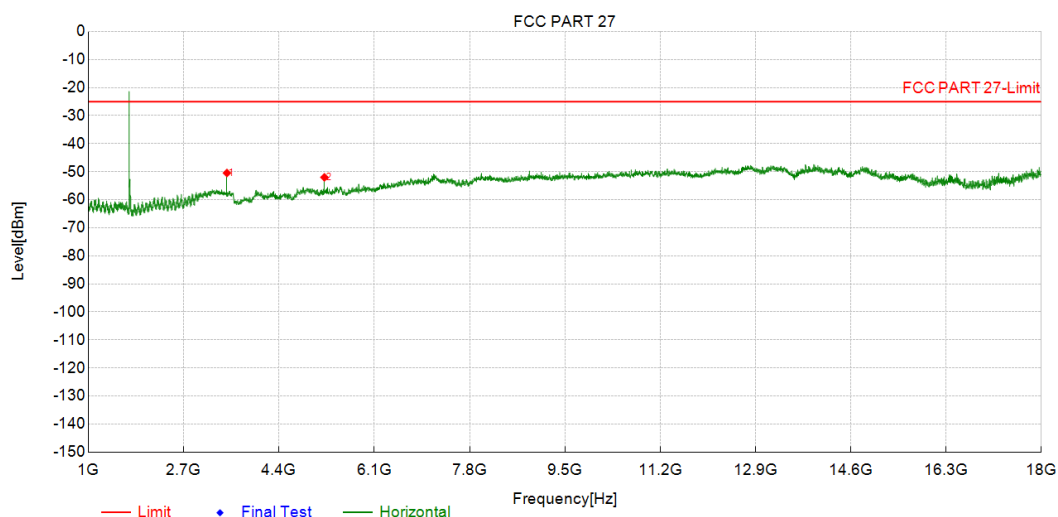
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3477.0954	-48.38	-50.60	-2.22	-25.00	25.60	Vertical	PK	PASS
2	5214.4429	-54.78	-50.83	3.95	-25.00	25.83	Vertical	PK	PASS



CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

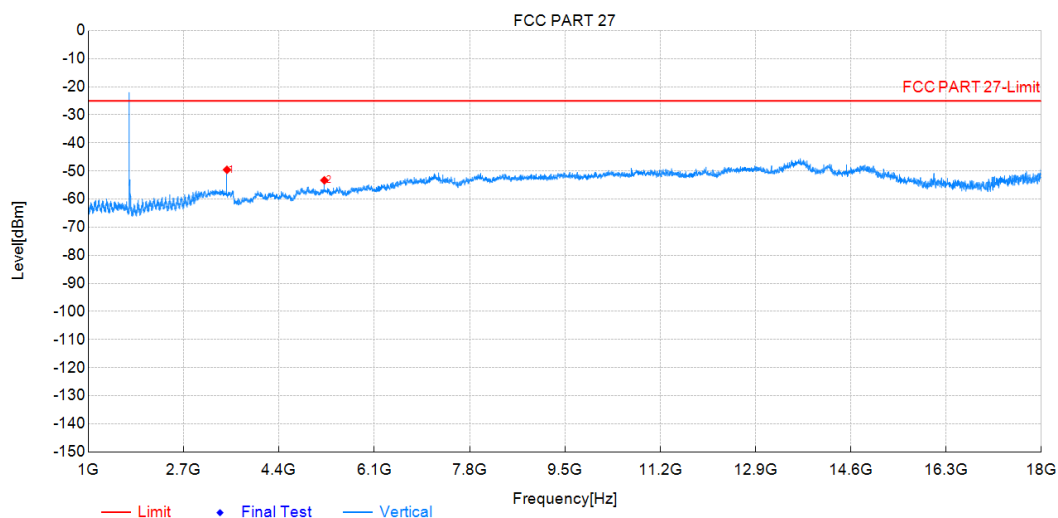
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3471.0942	-48.28	-50.45	-2.17	-25.00	25.45	Horizontal	PK	PASS
2	5208.4417	-55.50	-52.00	3.50	-25.00	27.00	Horizontal	PK	PASS



CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 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	3471.0942	-47.33	-49.55	-2.22	-25.00	24.55	Vertical	PK	PASS
2	5208.4417	-57.25	-53.30	3.95	-25.00	28.30	Vertical	PK	PASS





Test Report No.: RF20260304B001-Part 27-1 Report(B4&B38&B41&B66)

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--