



Test Report No.: RF260413B002



FCC TEST REPORT

(PART 24)

Applicant:	Astronomy Data Processing Corporation
Address:	2228 Cotner Ave Los Angeles, CA 90064

Manufacturer or Supplier:	Astronomy Data Processing Corporation
Address:	2228 Cotner Ave Los Angeles, CA 90064
Product:	Edge Controller 01
Model Name:	EC-01
FCC ID	2BM4513EA
Date of tests	Dec. 22, 2025 - Feb. 05, 2026

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

☒ **FCC PART 24, Subpart E**
☒ **FCC PART 2**
☒ **ANSI/TIA/EIA-603-D**

☒ **ANSI/TIA/EIA-603-E**
☒ **ANSI C63.26-2015**

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

Prepared by Carl Xie Engineer / Mobile Department	Approved by Simon Wang Manager / Mobile Department
Date: Feb. 05, 2026	Date: Feb. 05, 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 to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to 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.

Boomwave Test (Shenzhen)
Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Co., Ltd.

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4th Rd, Chiwan Comm, Zhaoshang St, Nanshan
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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF260413B002	Original release	Feb. 05, 2026



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1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 24 & Part 2			
STANDARD SECTION	TEST TYPE	RESULT	Test lab*
§24.232(c)	Equivalent Isotropic Radiated Power	Compliance	A
§2.1053 §24.238(a)(b)	Radiated Spurious Emissions	Compliance	A

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

*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

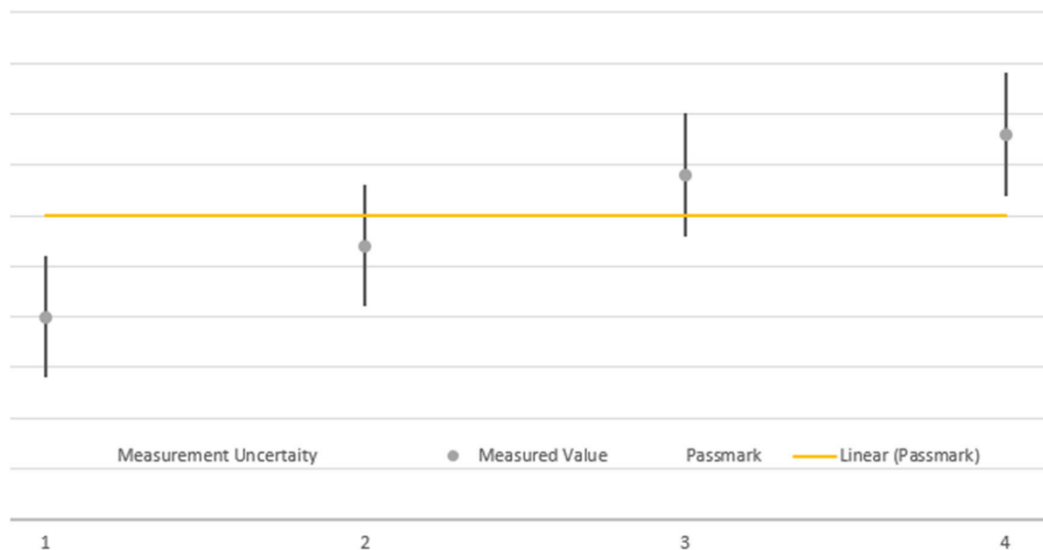
The FCC Site Registration No. is 646781; The Designation No. is CN1429.

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	$\pm 76.97\text{Hz}$
Radiated emissions (9KHz~30MHz)	$\pm 2.68\text{dB}$
Radiated emissions & Radiated Power (30MHz~1GHz)	$\pm 4.98\text{dB}$
Radiated emissions & Radiated Power (1GHz ~6GHz)	$\pm 4.70\text{dB}$
Radiated emissions (6GHz ~18GHz)	$\pm 4.60\text{dB}$
Radiated emissions (18GHz ~40GHz)	$\pm 4.12\text{dB}$
Conducted emissions	$\pm 4.01\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Conducted Output power	$\pm 2.06\text{dB}$
Band Edge Measurements	$\pm 4.70\text{dB}$
Peak to average ratio	$\pm 0.76\text{dB}$

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.



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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

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Co., Ltd.

Rm B38, Warehouse A5(Chiwan #1), #3 Chiwan
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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, GREGT/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.



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2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT*	Edge Controller 01	
MODEL NAME*	EC-01	
NOMINAL VOLTAGE*	19Vdc	
MODULATION TYPE*	LTE Band 2/25: QPSK, 16QAM, 64QAM	
FREQUENCY RANGE	LTE Band 2 Channel Bandwidth: 1.4MHz	1850.7MHz ~ 1909.3MHz
	LTE Band 2 Channel Bandwidth: 3MHz	1851.5MHz ~ 1908.5MHz
	LTE Band 2 Channel Bandwidth: 5MHz	1852.5MHz ~ 1907.5MHz
	LTE Band 2 Channel Bandwidth: 10MHz	1855.0MHz ~ 1905.0MHz
	LTE Band 2 Channel Bandwidth: 15MHz	1857.5MHz ~ 1902.5MHz
	LTE Band 2 Channel Bandwidth: 20MHz	1860.0MHz ~ 1900.0MHz
	LTE Band 25 Channel Bandwidth: 1.4MHz	1850.7MHz ~ 1914.3MHz
	LTE Band 25 Channel Bandwidth: 3MHz	1851.5MHz ~ 1913.5MHz
	LTE Band 25 Channel Bandwidth: 5MHz	1852.5MHz ~ 1912.5MHz
	LTE Band 25 Channel Bandwidth: 10MHz	1855.0MHz ~ 1910.0MHz
	LTE Band 25 Channel Bandwidth: 15MHz	1857.5MHz ~ 1907.5MHz
	LTE Band 25 Channel Bandwidth: 20MHz	1860.0MHz ~ 1905.0MHz
EMISSION DESIGNATOR	LTE Band 2 Channel Bandwidth: 1.4MHz	QPSK: 1M11G7D
		16QAM: 1M11W7D
		64QAM: 1M11W7D
	LTE Band 2 Channel Bandwidth: 3MHz	QPSK: 2M70G7D
		16QAM: 2M70W7D
		64QAM: 2M70W7D
	LTE Band 2 Channel Bandwidth: 5MHz	QPSK: 4M48G7D
		16QAM: 4M49W7D
		64QAM: 4M48W7D
	LTE Band 2 Channel Bandwidth: 10MHz	QPSK: 8M95G7D
		16QAM: 8M95W7D
		64QAM: 8M96W7D

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Co., Ltd.

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4th Rd, Chiwan Comm, Zhaoshang St, Nanshan
Dist, Shenzhen, Guangdong, Shenzhen, China

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

	LTE Band 2 Channel Bandwidth: 15MHz	QPSK: 13M5G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D
	LTE Band 2 Channel Bandwidth: 20MHz	QPSK: 17M9G7D
		16QAM: 17M9W7D
		64QAM: 17M9W7D
	LTE Band 25 Channel Bandwidth: 1.4MHz	QPSK: 1M11G7D
		16QAM: 1M11W7D
		64QAM: 1M11W7D
	LTE Band 25 Channel Bandwidth: 3MHz	QPSK: 2M70G7D
		16QAM: 2M70W7D
		64QAM: 2M70W7D
	LTE Band 25 Channel Bandwidth: 5MHz	QPSK: 4M48G7D
		16QAM: 4M48W7D
		64QAM: 4M48W7D
	LTE Band 25 Channel Bandwidth: 10MHz	QPSK: 8M95G7D
		16QAM: 8M95W7D
		64QAM: 8M94W7D
	LTE Band 25 Channel Bandwidth: 15MHz	QPSK: 13M5G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D
	LTE Band 25 Channel Bandwidth: 20MHz	QPSK: 17M9G7D
		16QAM: 17M9W7D
		64QAM: 17M9W7D
AX. EIRP POWER	LTE Band 2 Channel Bandwidth: 1.4MHz	440.55mW
	LTE Band 2 Channel Bandwidth: 3MHz	445.66mW
	LTE Band 2 Channel Bandwidth: 5MHz	445.66mW
	LTE Band 2 Channel Bandwidth: 10MHz	456.04mW
	LTE Band 2 Channel Bandwidth: 15MHz	447.71mW
	LTE Band 2 Channel Bandwidth: 20MHz	514.04mW
	LTE Band 25 Channel Bandwidth: 1.4MHz	422.67mW
	LTE Band 25 Channel Bandwidth: 3MHz	422.67mW
	LTE Band 25 Channel Bandwidth: 5MHz	429.54mW

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	LTE Band 25 Channel Bandwidth: 10MHz	435.51mW
	LTE Band 25 Channel Bandwidth: 15MHz	445.66mW
	LTE Band 25 Channel Bandwidth: 20MHz	433.51mW
ANTENNA GAIN*	☒ Provided by client	
	LTE B2	2.5dBi
	LTE B25	2.5dBi
ANTENNA TYPE*	PIFA Antenna	
HW VERSION*	1.0	
SW VERSION*	V1	
I/O PORTS*	Refer to user's manual	
CABLE SUPPLIED*	N/A	
EXTREME TEMPERATURE*	-20℃-60℃	
EXTREME VOLTAGE*	15V-20V	

NOTE:

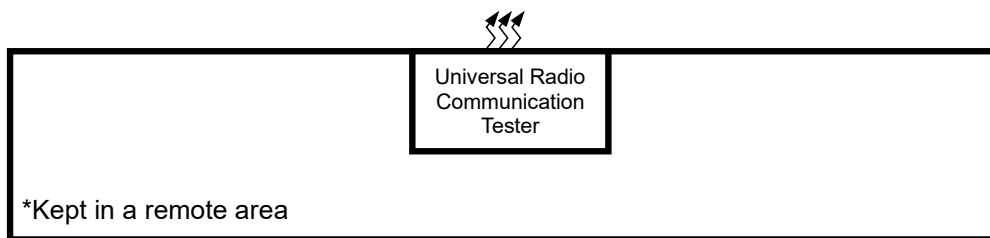
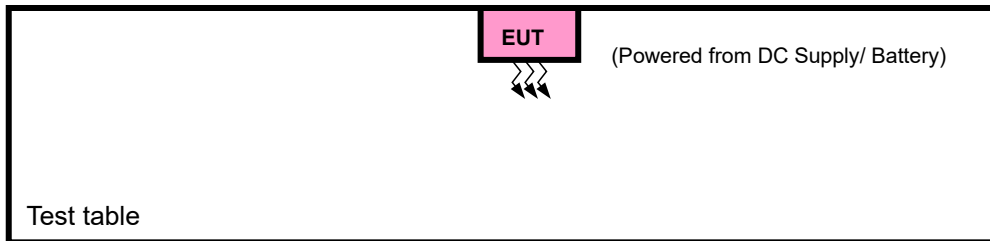
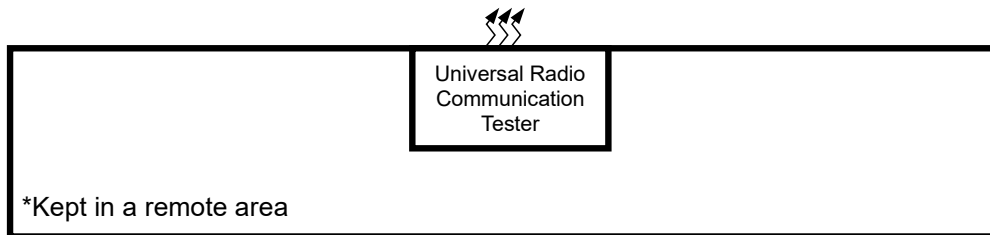
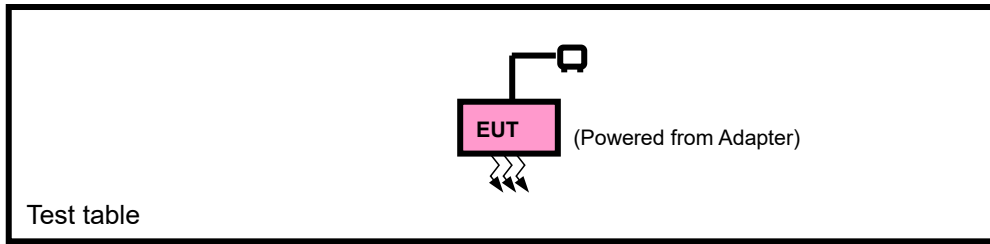
- *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information , Test Lab is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.
- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receiver.

MODULATION MODE	TX FUNCTION
LTE	1TX/1RX

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

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST





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2.3 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Laptop	Lenovo	ThinkPad E14	HRSW00024	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA

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 in EIRP and radiated emission was found when positioned on X-plane for LTE. 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 2 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK,16QAM,64QAM	1 RB / 0 RB offset
		18615 to 19185	18615, 18900, 19185	3MHz	QPSK,16QAM,64QAM	1 RB / 0 RB offset
		18625 to 19175	18625, 18900, 19175	5MHz	QPSK,16QAM,64QAM	1 RB / 0 RB offset
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK,16QAM,64QAM	1 RB / 0 RB offset
		18675 to 19125	18675, 18900, 19125	15MHz	QPSK,16QAM,64QAM	1 RB / 0 RB offset
		18700 to 19100	18700, 18900, 19100	20MHz	QPSK,16QAM,64QAM	1 RB / 0 RB offset

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

2. LTE Band 2 are covered by LTE Band 25, Because it is a subset of LTE Band 25 with the same output power and supported bandwidths, So the RSE test data please refer to LTE Band 25

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Co., Ltd.

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4th Rd, Chiwan Comm, Zhaoshang St, Nanshan
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LTE BAND 25 MODE						
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	26047 to 26683	26047, 26365, 26683	1.4MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
		26055 to 26675	26055, 26365, 26675	3MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
		26065 to 26665	26065, 26365, 26665	5MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
		26090 to 26640	26090, 26365, 26640	10MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
		26115 to 26615	26115, 26365, 26615	15MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
		26140 to 26590	26140, 26365, 26590	20MHz	QPSK, 16QAM, 64QAM	1 RB / 0 RB offset
A	RADIATED EMISSION	26047 to 26683	26365	1.4MHz	QPSK	1 RB / 0 RB offset
		26055 to 26675	26365	3MHz	QPSK	1 RB / 0 RB offset
		26065 to 26665	26365	5MHz	QPSK	1 RB / 0 RB offset
		26090 to 26640	26365	10MHz	QPSK	1 RB / 0 RB offset
		26115 to 26615	26115, 26365, 26615	15MHz	QPSK	1 RB / 0 RB offset
		26140 to 26590	26365	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
EIRP	23deg. C, 70%RH	DC 19V By Adapter	Carl Xie
RADIATED EMISSION	23deg. C, 70%RH	AC 120V/60MHz	Carl Xie



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2.5 EUT OPERATING CONDITIONS

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency.

2.6 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 24

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

Mobile and portable stations are limited to 2 watts EIRP.

3.1.2 TEST PROCEDURES

EIRP MEASUREMENT:

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

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

Where:

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

(expressed in the same units as P_{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 WCDMA 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.

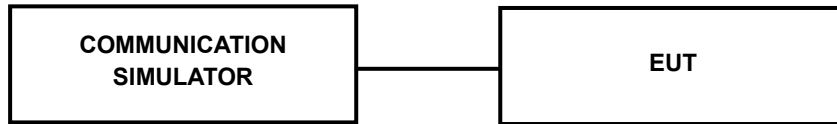


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3.1.3 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



3.1.4 TEST RESULTS

We have verified power .The test data is better than module report, so power test data please refer to module report(No. : SEWM2304000122RG01, FCC ID: XMR2023RM520NGL)

Considering antenna gain is changed compared with module, so we update EIRP.



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LTE Band 2

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power (dBm)	Gain(dBi)	EIRP(dBm)	EIRP(mW)	Limit(W)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.77	2.5	26.27	423.64	2	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.77	2.5	26.27	423.64	2	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.68	2.5	26.18	414.95	2	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.84	2.5	25.34	341.98	2	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.36	2.5	25.86	385.48	2	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.94	2.5	26.44	440.55	2	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.78	2.5	26.28	424.62	2	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.87	2.5	25.37	344.35	2	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.79	2.5	26.29	425.60	2	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.81	2.5	26.31	427.56	2	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.89	2.5	26.39	435.51	2	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.79	2.5	25.29	338.06	2	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	23.09	2.5	25.59	362.24	2	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.02	2.5	25.52	356.45	2	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.87	2.5	25.37	344.35	2	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.80	2.5	24.30	269.15	2	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	23.03	2.5	25.53	357.27	2	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.09	2.5	25.59	362.24	2	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	23.01	2.5	25.51	355.63	2	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	22.00	2.5	24.50	281.84	2	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.98	2.5	25.48	353.18	2	PASS

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Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band2	1.4MHz	16QAM	19193	1RB#2	22.94	2.5	25.44	349.95	2	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	23.06	2.5	25.56	359.75	2	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.89	2.5	24.39	274.79	2	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	22.87	2.5	25.37	344.35	2	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	21.90	2.5	24.40	275.42	2	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	21.87	2.5	24.37	273.53	2	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	20.81	2.5	23.31	214.29	2	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	22.05	2.5	24.55	285.10	2	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	21.95	2.5	24.45	278.61	2	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	21.99	2.5	24.49	281.19	2	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	21.01	2.5	23.51	224.39	2	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	21.98	2.5	24.48	280.54	2	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	22.07	2.5	24.57	286.42	2	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	22.11	2.5	24.61	289.07	2	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	20.84	2.5	23.34	215.77	2	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.68	2.5	26.18	414.95	2	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.99	2.5	26.49	445.66	2	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.79	2.5	26.29	425.60	2	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.88	2.5	25.38	345.14	2	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.78	2.5	26.28	424.62	2	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.93	2.5	26.43	439.54	2	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.93	2.5	26.43	439.54	2	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.93	2.5	25.43	349.14	2	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.81	2.5	26.31	427.56	2	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.82	2.5	26.32	428.55	2	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.82	2.5	26.32	428.55	2	PASS

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Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band2	3MHz	QPSK	19185	15RB#0	22.84	2.5	25.34	341.98	2	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.79	2.5	25.29	338.06	2	PASS
Band2	3MHz	16QAM	18615	1RB#8	23.07	2.5	25.57	360.58	2	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.83	2.5	25.33	341.19	2	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.82	2.5	24.32	270.40	2	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.95	2.5	25.45	350.75	2	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.04	2.5	25.54	358.10	2	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.90	2.5	25.40	346.74	2	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.92	2.5	24.42	276.69	2	PASS
Band2	3MHz	16QAM	19185	1RB#0	23.03	2.5	25.53	357.27	2	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.99	2.5	25.49	354.00	2	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.88	2.5	25.38	345.14	2	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.75	2.5	24.25	266.07	2	PASS
Band2	3MHz	64QAM	18615	1RB#0	21.92	2.5	24.42	276.69	2	PASS
Band2	3MHz	64QAM	18615	1RB#8	22.02	2.5	24.52	283.14	2	PASS
Band2	3MHz	64QAM	18615	1RB#14	21.94	2.5	24.44	277.97	2	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.88	2.5	23.38	217.77	2	PASS
Band2	3MHz	64QAM	18900	1RB#0	21.93	2.5	24.43	277.33	2	PASS
Band2	3MHz	64QAM	18900	1RB#8	21.99	2.5	24.49	281.19	2	PASS
Band2	3MHz	64QAM	18900	1RB#14	22.11	2.5	24.61	289.07	2	PASS
Band2	3MHz	64QAM	18900	15RB#0	20.89	2.5	23.39	218.27	2	PASS
Band2	3MHz	64QAM	19185	1RB#0	21.98	2.5	24.48	280.54	2	PASS
Band2	3MHz	64QAM	19185	1RB#8	22.19	2.5	24.69	294.44	2	PASS
Band2	3MHz	64QAM	19185	1RB#14	22.06	2.5	24.56	285.76	2	PASS
Band2	3MHz	64QAM	19185	15RB#0	20.82	2.5	23.32	214.78	2	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.68	2.5	26.18	414.95	2	PASS

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Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band2	5MHz	QPSK	18625	1RB#12	23.81	2.5	26.31	427.56	2	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.85	2.5	26.35	431.52	2	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.89	2.5	25.39	345.94	2	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.69	2.5	26.19	415.91	2	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.99	2.5	26.49	445.66	2	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.83	2.5	26.33	429.54	2	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.82	2.5	25.32	340.41	2	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.79	2.5	26.29	425.60	2	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.81	2.5	26.31	427.56	2	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.86	2.5	26.36	432.51	2	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.92	2.5	25.42	348.34	2	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.80	2.5	25.30	338.84	2	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.90	2.5	25.40	346.74	2	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.84	2.5	25.34	341.98	2	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.89	2.5	24.39	274.79	2	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.89	2.5	25.39	345.94	2	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.09	2.5	25.59	362.24	2	PASS
Band2	5MHz	16QAM	18900	1RB#24	23.03	2.5	25.53	357.27	2	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.90	2.5	24.40	275.42	2	PASS
Band2	5MHz	16QAM	19175	1RB#0	23.01	2.5	25.51	355.63	2	PASS
Band2	5MHz	16QAM	19175	1RB#12	23.06	2.5	25.56	359.75	2	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.97	2.5	25.47	352.37	2	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.93	2.5	24.43	277.33	2	PASS
Band2	5MHz	64QAM	18625	1RB#0	22.01	2.5	24.51	282.49	2	PASS
Band2	5MHz	64QAM	18625	1RB#12	22.18	2.5	24.68	293.76	2	PASS
Band2	5MHz	64QAM	18625	1RB#24	22.05	2.5	24.55	285.10	2	PASS

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Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band2	5MHz	64QAM	18625	25RB#0	20.87	2.5	23.37	217.27	2	PASS
Band2	5MHz	64QAM	18900	1RB#0	22.12	2.5	24.62	289.73	2	PASS
Band2	5MHz	64QAM	18900	1RB#12	22.19	2.5	24.69	294.44	2	PASS
Band2	5MHz	64QAM	18900	1RB#24	22.18	2.5	24.68	293.76	2	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.89	2.5	23.39	218.27	2	PASS
Band2	5MHz	64QAM	19175	1RB#0	22.06	2.5	24.56	285.76	2	PASS
Band2	5MHz	64QAM	19175	1RB#12	22.14	2.5	24.64	291.07	2	PASS
Band2	5MHz	64QAM	19175	1RB#24	22.08	2.5	24.58	287.08	2	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.91	2.5	23.41	219.28	2	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.94	2.5	26.44	440.55	2	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.79	2.5	26.29	425.60	2	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.85	2.5	26.35	431.52	2	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.85	2.5	25.35	342.77	2	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.67	2.5	26.17	414.00	2	PASS
Band2	10MHz	QPSK	18900	1RB#24	24.09	2.5	26.59	456.04	2	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.85	2.5	26.35	431.52	2	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.91	2.5	25.41	347.54	2	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.89	2.5	26.39	435.51	2	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.93	2.5	26.43	439.54	2	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.92	2.5	26.42	438.53	2	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.91	2.5	25.41	347.54	2	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.92	2.5	25.42	348.34	2	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.03	2.5	25.53	357.27	2	PASS
Band2	10MHz	16QAM	18650	1RB#49	23.00	2.5	25.50	354.81	2	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.91	2.5	24.41	276.06	2	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.85	2.5	25.35	342.77	2	PASS

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Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band2	10MHz	16QAM	18900	1RB#24	23.03	2.5	25.53	357.27	2	PASS
Band2	10MHz	16QAM	18900	1RB#49	23.01	2.5	25.51	355.63	2	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.86	2.5	24.36	272.90	2	PASS
Band2	10MHz	16QAM	19150	1RB#0	23.23	2.5	25.73	374.11	2	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.04	2.5	25.54	358.10	2	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.98	2.5	25.48	353.18	2	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.92	2.5	24.42	276.69	2	PASS
Band2	10MHz	64QAM	18650	1RB#0	22.05	2.5	24.55	285.10	2	PASS
Band2	10MHz	64QAM	18650	1RB#24	22.02	2.5	24.52	283.14	2	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.94	2.5	24.44	277.97	2	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.92	2.5	23.42	219.79	2	PASS
Band2	10MHz	64QAM	18900	1RB#0	22.18	2.5	24.68	293.76	2	PASS
Band2	10MHz	64QAM	18900	1RB#24	22.09	2.5	24.59	287.74	2	PASS
Band2	10MHz	64QAM	18900	1RB#49	22.27	2.5	24.77	299.92	2	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.92	2.5	23.42	219.79	2	PASS
Band2	10MHz	64QAM	19150	1RB#0	22.06	2.5	24.56	285.76	2	PASS
Band2	10MHz	64QAM	19150	1RB#24	22.24	2.5	24.74	297.85	2	PASS
Band2	10MHz	64QAM	19150	1RB#49	22.09	2.5	24.59	287.74	2	PASS
Band2	10MHz	64QAM	19150	50RB#0	21.00	2.5	23.50	223.87	2	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.51	2.5	26.01	399.02	2	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.80	2.5	26.30	426.58	2	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.70	2.5	26.20	416.87	2	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.82	2.5	25.32	340.41	2	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.86	2.5	26.36	432.51	2	PASS
Band2	15MHz	QPSK	18900	1RB#38	24.01	2.5	26.51	447.71	2	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.78	2.5	26.28	424.62	2	PASS

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Email:shimin.wang@boomwavelab.com



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Band2	15MHz	QPSK	18900	75RB#0	22.74	2.5	25.24	334.20	2	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.71	2.5	26.21	417.83	2	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.71	2.5	26.21	417.83	2	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.60	2.5	26.10	407.38	2	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.74	2.5	25.24	334.20	2	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.77	2.5	25.27	336.51	2	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.86	2.5	25.36	343.56	2	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.82	2.5	25.32	340.41	2	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.79	2.5	24.29	268.53	2	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.86	2.5	25.36	343.56	2	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.86	2.5	25.36	343.56	2	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.88	2.5	25.38	345.14	2	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.81	2.5	24.31	269.77	2	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.78	2.5	25.28	337.29	2	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.80	2.5	25.30	338.84	2	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.87	2.5	25.37	344.35	2	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.79	2.5	24.29	268.53	2	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.89	2.5	24.39	274.79	2	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.92	2.5	24.42	276.69	2	PASS
Band2	15MHz	64QAM	18675	1RB#74	22.07	2.5	24.57	286.42	2	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.76	2.5	23.26	211.84	2	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.70	2.5	24.20	263.03	2	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.88	2.5	24.38	274.16	2	PASS
Band2	15MHz	64QAM	18900	1RB#74	22.01	2.5	24.51	282.49	2	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.79	2.5	23.29	213.30	2	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.72	2.5	24.22	264.24	2	PASS

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Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band2	15MHz	64QAM	19125	1RB#38	21.78	2.5	24.28	267.92	2	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.77	2.5	24.27	267.30	2	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.76	2.5	23.26	211.84	2	PASS
Band2	20MHz	QPSK	18700	1RB#0	24.61	2.5	27.11	514.04	2	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.68	2.5	26.18	414.95	2	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.94	2.5	26.44	440.55	2	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.79	2.5	25.29	338.06	2	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.85	2.5	26.35	431.52	2	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.78	2.5	26.28	424.62	2	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.83	2.5	26.33	429.54	2	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.81	2.5	25.31	339.63	2	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.97	2.5	26.47	443.61	2	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.82	2.5	26.32	428.55	2	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.68	2.5	26.18	414.95	2	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.74	2.5	25.24	334.20	2	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.74	2.5	25.24	334.20	2	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.80	2.5	25.30	338.84	2	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.84	2.5	25.34	341.98	2	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.76	2.5	24.26	266.69	2	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.74	2.5	25.24	334.20	2	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.14	2.5	25.64	366.44	2	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.81	2.5	25.31	339.63	2	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.81	2.5	24.31	269.77	2	PASS
Band2	20MHz	16QAM	19100	1RB#0	23.14	2.5	25.64	366.44	2	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.04	2.5	25.54	358.10	2	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.81	2.5	25.31	339.63	2	PASS

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

**Test Report No.: RF260413B002**

Band2	20MHz	16QAM	19100	100RB#0	21.71	2.5	24.21	263.63	2	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.79	2.5	24.29	268.53	2	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.77	2.5	24.27	267.30	2	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.73	2.5	24.23	264.85	2	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.81	2.5	23.31	214.29	2	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.82	2.5	24.32	270.40	2	PASS
Band2	20MHz	64QAM	18900	1RB#49	22.19	2.5	24.69	294.44	2	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.92	2.5	24.42	276.69	2	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.81	2.5	23.31	214.29	2	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.88	2.5	24.38	274.16	2	PASS
Band2	20MHz	64QAM	19100	1RB#49	21.91	2.5	24.41	276.06	2	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.86	2.5	24.36	272.90	2	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.76	2.5	23.26	211.84	2	PASS

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Dist, Shenzhen, Guangdong, Shenzhen, China

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



Test Report No.: RF260413B002

LTE Band 26

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Gain(dBi)	EIRP(dBm)	EIRP(mW)	Limit(W)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	23.76	2.5	26.26	422.67	2	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.56	2.5	26.06	403.65	2	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.42	2.5	25.92	390.84	2	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.25	2.5	24.75	298.54	2	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.46	2.5	25.96	394.46	2	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.51	2.5	26.01	399.02	2	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.69	2.5	26.19	415.91	2	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.77	2.5	25.27	336.51	2	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.56	2.5	26.06	403.65	2	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.57	2.5	26.07	404.58	2	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.59	2.5	26.09	406.44	2	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.74	2.5	25.24	334.20	2	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.69	2.5	25.19	330.37	2	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.78	2.5	25.28	337.29	2	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.67	2.5	25.17	328.85	2	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.56	2.5	24.06	254.68	2	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.81	2.5	25.31	339.63	2	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.97	2.5	25.47	352.37	2	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.92	2.5	25.42	348.34	2	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.81	2.5	24.31	269.77	2	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	22.64	2.5	25.14	326.59	2	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	23.12	2.5	25.62	364.75	2	PASS

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Dist, Shenzhen, Guangdong, Shenzhen, China

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band25	1.4MHz	16QAM	26683	1RB#5	22.83	2.5	25.33	341.19	2	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.79	2.5	24.29	268.53	2	PASS
Band25	1.4MHz	64QAM	26047	1RB#0	22.66	2.5	25.16	328.10	2	PASS
Band25	1.4MHz	64QAM	26047	1RB#2	21.51	2.5	24.01	251.77	2	PASS
Band25	1.4MHz	64QAM	26047	1RB#5	21.69	2.5	24.19	262.42	2	PASS
Band25	1.4MHz	64QAM	26047	6RB#0	20.79	2.5	23.29	213.30	2	PASS
Band25	1.4MHz	64QAM	26365	1RB#0	21.64	2.5	24.14	259.42	2	PASS
Band25	1.4MHz	64QAM	26365	1RB#2	22.47	2.5	24.97	314.05	2	PASS
Band25	1.4MHz	64QAM	26365	1RB#5	21.81	2.5	24.31	269.77	2	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	20.85	2.5	23.35	216.27	2	PASS
Band25	1.4MHz	64QAM	26683	1RB#0	21.66	2.5	24.16	260.62	2	PASS
Band25	1.4MHz	64QAM	26683	1RB#2	21.59	2.5	24.09	256.45	2	PASS
Band25	1.4MHz	64QAM	26683	1RB#5	21.81	2.5	24.31	269.77	2	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	20.63	2.5	23.13	205.59	2	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.70	2.5	26.20	416.87	2	PASS
Band25	3MHz	QPSK	26055	1RB#8	23.65	2.5	26.15	412.10	2	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.49	2.5	25.99	397.19	2	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.66	2.5	25.16	328.10	2	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.76	2.5	26.26	422.67	2	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.68	2.5	26.18	414.95	2	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.71	2.5	26.21	417.83	2	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.68	2.5	25.18	329.61	2	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.47	2.5	25.97	395.37	2	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.59	2.5	26.09	406.44	2	PASS
Band25	3MHz	QPSK	26675	1RB#14	23.58	2.5	26.08	405.51	2	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.67	2.5	25.17	328.85	2	PASS

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Dist, Shenzhen, Guangdong, Shenzhen, China

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band25	3MHz	16QAM	26055	1RB#0	22.80	2.5	25.30	338.84	2	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.80	2.5	25.30	338.84	2	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.67	2.5	25.17	328.85	2	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.75	2.5	24.25	266.07	2	PASS
Band25	3MHz	16QAM	26365	1RB#0	22.71	2.5	25.21	331.89	2	PASS
Band25	3MHz	16QAM	26365	1RB#8	22.97	2.5	25.47	352.37	2	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.75	2.5	25.25	334.97	2	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.73	2.5	24.23	264.85	2	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.58	2.5	25.08	322.11	2	PASS
Band25	3MHz	16QAM	26675	1RB#8	23.01	2.5	25.51	355.63	2	PASS
Band25	3MHz	16QAM	26675	1RB#14	22.91	2.5	25.41	347.54	2	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.68	2.5	24.18	261.82	2	PASS
Band25	3MHz	64QAM	26055	1RB#0	22.79	2.5	25.29	338.06	2	PASS
Band25	3MHz	64QAM	26055	1RB#8	21.69	2.5	24.19	262.42	2	PASS
Band25	3MHz	64QAM	26055	1RB#14	21.72	2.5	24.22	264.24	2	PASS
Band25	3MHz	64QAM	26055	15RB#0	20.73	2.5	23.23	210.38	2	PASS
Band25	3MHz	64QAM	26365	1RB#0	21.72	2.5	24.22	264.24	2	PASS
Band25	3MHz	64QAM	26365	1RB#8	22.38	2.5	24.88	307.61	2	PASS
Band25	3MHz	64QAM	26365	1RB#14	21.87	2.5	24.37	273.53	2	PASS
Band25	3MHz	64QAM	26365	15RB#0	20.67	2.5	23.17	207.49	2	PASS
Band25	3MHz	64QAM	26675	1RB#0	21.70	2.5	24.20	263.03	2	PASS
Band25	3MHz	64QAM	26675	1RB#8	21.84	2.5	24.34	271.64	2	PASS
Band25	3MHz	64QAM	26675	1RB#14	21.83	2.5	24.33	271.02	2	PASS
Band25	3MHz	64QAM	26675	15RB#0	20.68	2.5	23.18	207.97	2	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.64	2.5	26.14	411.15	2	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.71	2.5	26.21	417.83	2	PASS

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Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band25	5MHz	QPSK	26065	1RB#24	23.59	2.5	26.09	406.44	2	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.73	2.5	25.23	333.43	2	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.69	2.5	26.19	415.91	2	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.83	2.5	26.33	429.54	2	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.72	2.5	26.22	418.79	2	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.65	2.5	25.15	327.34	2	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.52	2.5	26.02	399.94	2	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.63	2.5	26.13	410.20	2	PASS
Band25	5MHz	QPSK	26665	1RB#24	23.71	2.5	26.21	417.83	2	PASS
Band25	5MHz	QPSK	26665	25RB#0	22.70	2.5	25.20	331.13	2	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.73	2.5	25.23	333.43	2	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.78	2.5	25.28	337.29	2	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.76	2.5	25.26	335.74	2	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.71	2.5	24.21	263.63	2	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.77	2.5	25.27	336.51	2	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.98	2.5	25.48	353.18	2	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.91	2.5	25.41	347.54	2	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.79	2.5	24.29	268.53	2	PASS
Band25	5MHz	16QAM	26665	1RB#0	22.81	2.5	25.31	339.63	2	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.96	2.5	25.46	351.56	2	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.84	2.5	25.34	341.98	2	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.70	2.5	24.20	263.03	2	PASS
Band25	5MHz	64QAM	26065	1RB#0	21.63	2.5	24.13	258.82	2	PASS
Band25	5MHz	64QAM	26065	1RB#12	21.91	2.5	24.41	276.06	2	PASS
Band25	5MHz	64QAM	26065	1RB#24	21.86	2.5	24.36	272.90	2	PASS
Band25	5MHz	64QAM	26065	25RB#0	20.77	2.5	23.27	212.32	2	PASS

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Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band25	5MHz	64QAM	26365	1RB#0	21.89	2.5	24.39	274.79	2	PASS
Band25	5MHz	64QAM	26365	1RB#12	21.84	2.5	24.34	271.64	2	PASS
Band25	5MHz	64QAM	26365	1RB#24	21.87	2.5	24.37	273.53	2	PASS
Band25	5MHz	64QAM	26365	25RB#0	20.73	2.5	23.23	210.38	2	PASS
Band25	5MHz	64QAM	26665	1RB#0	22.08	2.5	24.58	287.08	2	PASS
Band25	5MHz	64QAM	26665	1RB#12	22.02	2.5	24.52	283.14	2	PASS
Band25	5MHz	64QAM	26665	1RB#24	21.90	2.5	24.40	275.42	2	PASS
Band25	5MHz	64QAM	26665	25RB#0	20.72	2.5	23.22	209.89	2	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.66	2.5	26.16	413.05	2	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.89	2.5	26.39	435.51	2	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.65	2.5	26.15	412.10	2	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.79	2.5	25.29	338.06	2	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.89	2.5	26.39	435.51	2	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.86	2.5	26.36	432.51	2	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.81	2.5	26.31	427.56	2	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.72	2.5	25.22	332.66	2	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.71	2.5	26.21	417.83	2	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.81	2.5	26.31	427.56	2	PASS
Band25	10MHz	QPSK	26640	1RB#49	23.74	2.5	26.24	420.73	2	PASS
Band25	10MHz	QPSK	26640	50RB#0	22.84	2.5	25.34	341.98	2	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.83	2.5	25.33	341.19	2	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.79	2.5	25.29	338.06	2	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.90	2.5	25.40	346.74	2	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.82	2.5	24.32	270.40	2	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.81	2.5	25.31	339.63	2	PASS
Band25	10MHz	16QAM	26365	1RB#24	23.06	2.5	25.56	359.75	2	PASS

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Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band25	10MHz	16QAM	26365	1RB#49	23.22	2.5	25.72	373.25	2	PASS
Band25	10MHz	16QAM	26365	50RB#0	21.81	2.5	24.31	269.77	2	PASS
Band25	10MHz	16QAM	26640	1RB#0	22.83	2.5	25.33	341.19	2	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.88	2.5	25.38	345.14	2	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.80	2.5	25.30	338.84	2	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.88	2.5	24.38	274.16	2	PASS
Band25	10MHz	64QAM	26090	1RB#0	21.89	2.5	24.39	274.79	2	PASS
Band25	10MHz	64QAM	26090	1RB#24	21.91	2.5	24.41	276.06	2	PASS
Band25	10MHz	64QAM	26090	1RB#49	22.18	2.5	24.68	293.76	2	PASS
Band25	10MHz	64QAM	26090	50RB#0	20.84	2.5	23.34	215.77	2	PASS
Band25	10MHz	64QAM	26365	1RB#0	21.90	2.5	24.40	275.42	2	PASS
Band25	10MHz	64QAM	26365	1RB#24	22.03	2.5	24.53	283.79	2	PASS
Band25	10MHz	64QAM	26365	1RB#49	22.02	2.5	24.52	283.14	2	PASS
Band25	10MHz	64QAM	26365	50RB#0	20.78	2.5	23.28	212.81	2	PASS
Band25	10MHz	64QAM	26640	1RB#0	21.77	2.5	24.27	267.30	2	PASS
Band25	10MHz	64QAM	26640	1RB#24	22.04	2.5	24.54	284.45	2	PASS
Band25	10MHz	64QAM	26640	1RB#49	22.00	2.5	24.50	281.84	2	PASS
Band25	10MHz	64QAM	26640	50RB#0	20.84	2.5	23.34	215.77	2	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.51	2.5	26.01	399.02	2	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.59	2.5	26.09	406.44	2	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.56	2.5	26.06	403.65	2	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.73	2.5	25.23	333.43	2	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.82	2.5	26.32	428.55	2	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.65	2.5	26.15	412.10	2	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.54	2.5	26.04	401.79	2	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.74	2.5	25.24	334.20	2	PASS

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Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Band25	15MHz	QPSK	26615	1RB#0	23.79	2.5	26.29	425.60	2	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.99	2.5	26.49	445.66	2	PASS
Band25	15MHz	QPSK	26615	1RB#74	23.55	2.5	26.05	402.72	2	PASS
Band25	15MHz	QPSK	26615	75RB#0	22.78	2.5	25.28	337.29	2	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.75	2.5	25.25	334.97	2	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.60	2.5	25.10	323.59	2	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.57	2.5	25.07	321.37	2	PASS
Band25	15MHz	16QAM	26115	75RB#0	21.76	2.5	24.26	266.69	2	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.69	2.5	25.19	330.37	2	PASS
Band25	15MHz	16QAM	26365	1RB#38	23.05	2.5	25.55	358.92	2	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.75	2.5	25.25	334.97	2	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.72	2.5	24.22	264.24	2	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.68	2.5	25.18	329.61	2	PASS
Band25	15MHz	16QAM	26615	1RB#38	22.75	2.5	25.25	334.97	2	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.84	2.5	25.34	341.98	2	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.76	2.5	24.26	266.69	2	PASS
Band25	15MHz	64QAM	26115	1RB#0	21.75	2.5	24.25	266.07	2	PASS
Band25	15MHz	64QAM	26115	1RB#38	21.84	2.5	24.34	271.64	2	PASS
Band25	15MHz	64QAM	26115	1RB#74	21.83	2.5	24.33	271.02	2	PASS
Band25	15MHz	64QAM	26115	75RB#0	20.73	2.5	23.23	210.38	2	PASS
Band25	15MHz	64QAM	26365	1RB#0	21.74	2.5	24.24	265.46	2	PASS
Band25	15MHz	64QAM	26365	1RB#38	21.80	2.5	24.30	269.15	2	PASS
Band25	15MHz	64QAM	26365	1RB#74	21.79	2.5	24.29	268.53	2	PASS
Band25	15MHz	64QAM	26365	75RB#0	20.74	2.5	23.24	210.86	2	PASS
Band25	15MHz	64QAM	26615	1RB#0	21.76	2.5	24.26	266.69	2	PASS
Band25	15MHz	64QAM	26615	1RB#38	21.76	2.5	24.26	266.69	2	PASS

Boomwave Test (Shenzhen)
Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



Test Report No.: RF260413B002

Band25	15MHz	64QAM	26615	1RB#74	21.59	2.5	24.09	256.45	2	PASS
Band25	15MHz	64QAM	26615	75RB#0	20.73	2.5	23.23	210.38	2	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.43	2.5	25.93	391.74	2	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.53	2.5	26.03	400.87	2	PASS
Band25	20MHz	QPSK	26140	1RB#99	23.60	2.5	26.10	407.38	2	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.76	2.5	25.26	335.74	2	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.69	2.5	26.19	415.91	2	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.86	2.5	26.36	432.51	2	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.63	2.5	26.13	410.20	2	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.70	2.5	25.20	331.13	2	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.87	2.5	26.37	433.51	2	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.63	2.5	26.13	410.20	2	PASS
Band25	20MHz	QPSK	26590	1RB#99	23.53	2.5	26.03	400.87	2	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.77	2.5	25.27	336.51	2	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.58	2.5	25.08	322.11	2	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.74	2.5	25.24	334.20	2	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.71	2.5	25.21	331.89	2	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.71	2.5	24.21	263.63	2	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.62	2.5	25.12	325.09	2	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.79	2.5	25.29	338.06	2	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.89	2.5	25.39	345.94	2	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.71	2.5	24.21	263.63	2	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.54	2.5	25.04	319.15	2	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.81	2.5	25.31	339.63	2	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.67	2.5	25.17	328.85	2	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.79	2.5	24.29	268.53	2	PASS

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Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



Test Report No.: RF260413B002

Band25	20MHz	64QAM	26140	1RB#0	21.69	2.5	24.19	262.42	2	PASS
Band25	20MHz	64QAM	26140	1RB#49	21.90	2.5	24.40	275.42	2	PASS
Band25	20MHz	64QAM	26140	1RB#99	21.85	2.5	24.35	272.27	2	PASS
Band25	20MHz	64QAM	26140	100RB#0	20.78	2.5	23.28	212.81	2	PASS
Band25	20MHz	64QAM	26365	1RB#0	21.73	2.5	24.23	264.85	2	PASS
Band25	20MHz	64QAM	26365	1RB#49	21.99	2.5	24.49	281.19	2	PASS
Band25	20MHz	64QAM	26365	1RB#99	21.86	2.5	24.36	272.90	2	PASS
Band25	20MHz	64QAM	26365	100RB#0	20.76	2.5	23.26	211.84	2	PASS
Band25	20MHz	64QAM	26590	1RB#0	21.74	2.5	24.24	265.46	2	PASS
Band25	20MHz	64QAM	26590	1RB#49	21.79	2.5	24.29	268.53	2	PASS
Band25	20MHz	64QAM	26590	1RB#99	21.83	2.5	24.33	271.02	2	PASS
Band25	20MHz	64QAM	26590	100RB#0	20.79	2.5	23.29	213.30	2	PASS

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

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Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

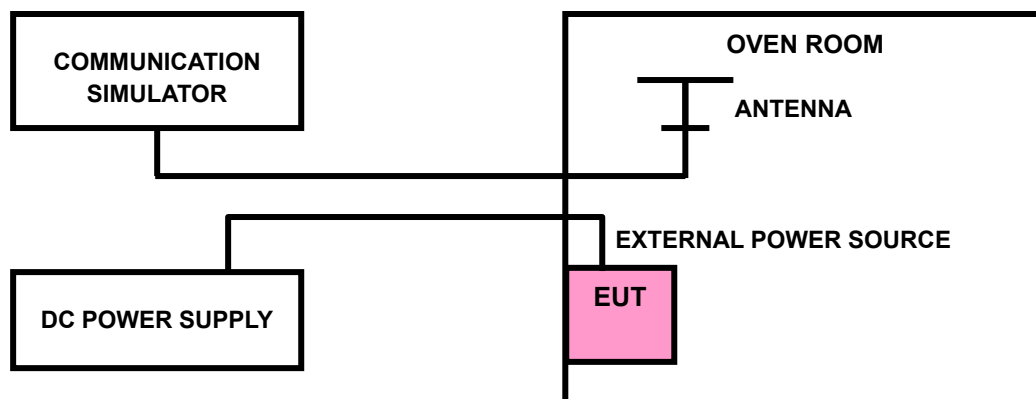
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

3.2.2 TEST PROCEDURE

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

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

3.2.3 TEST SETUP



3.2.4 TEST RESULTS

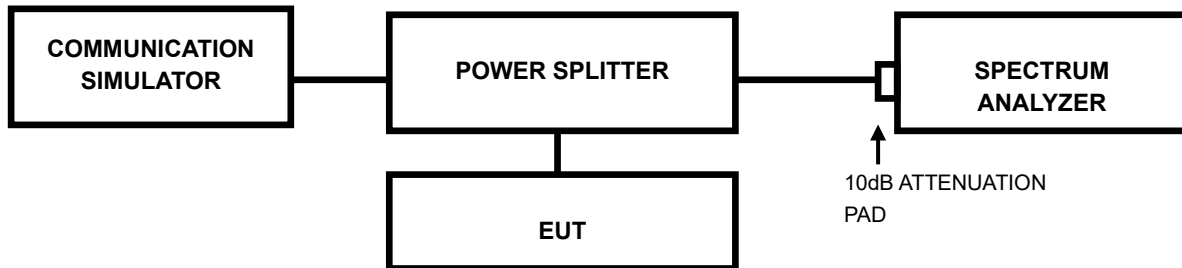
Please Refer to WWAN module(model name: RM520N-GL) test report(NO.: SEWM2304000122RG01,FCC ID: XMR2023RM520NGL).

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

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

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

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

3.3.4 TEST RESULTS

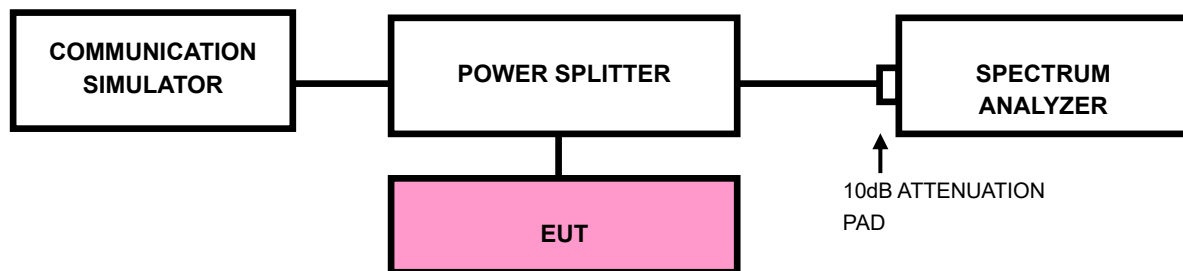
Please Refer to WWAN module(model name: RM520N-GL) test report(NO.: SEWM2304000122RG01,FCC ID: XMR2023RM520NGL).

3.4 BAND EDGE MEASUREMENTC

3.4.1 LIMITS OF BAND EDGE MEASUREMENT

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. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

3.4.2 TEST SETUP





Test Report No.: RF260413B002

3.4.3 TEST PROCEDURES

- a) All measurements were done at low and high operational frequency range
- b) Connect the transmitter to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
- c) Tune the analyzer to the nominal center frequency of the emission bandwidth

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

3.4.4 TEST RESULTS

Please Refer to WWAN module(model name: RM520N-GL) test report(NO.: SEWM2304000122RG01,FCC ID: XMR2023RM520NGL).

3.5 CONDUCTED SPURIOUS EMISSIONS

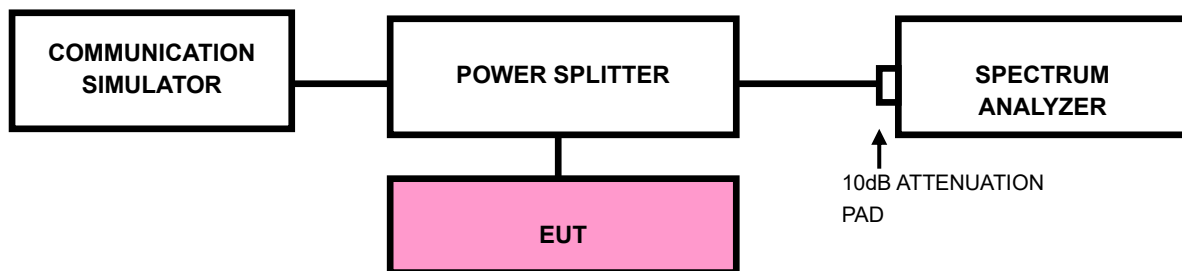
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

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

3.5.2 TEST PROCEDURE

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 30MHz up to a frequency including its 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP



3.5.4 TEST RESULTS

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

Please Refer to WWAN module(model name: RM520N-GL) test report(NO.: SEWM2304000122RG01,FCC ID: XMR2023RM520NGL).



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3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

3.6.2 TEST PROCEDURES

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

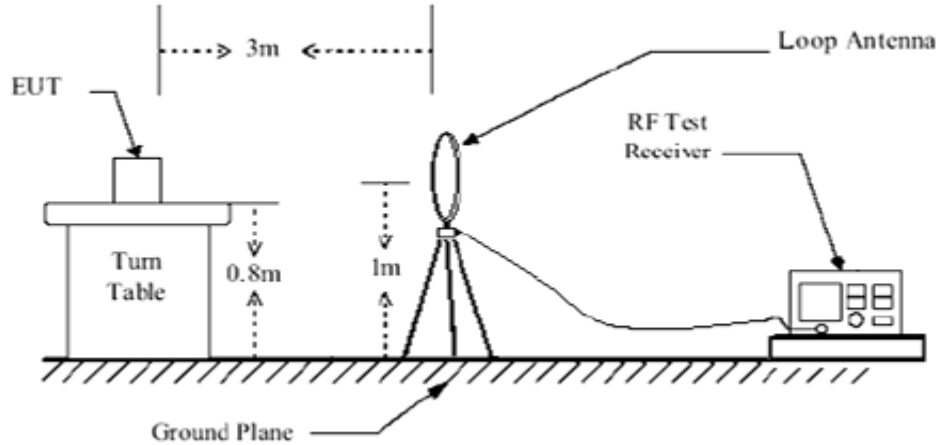
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

3.6.3 DEVIATION FROM TEST STANDARD

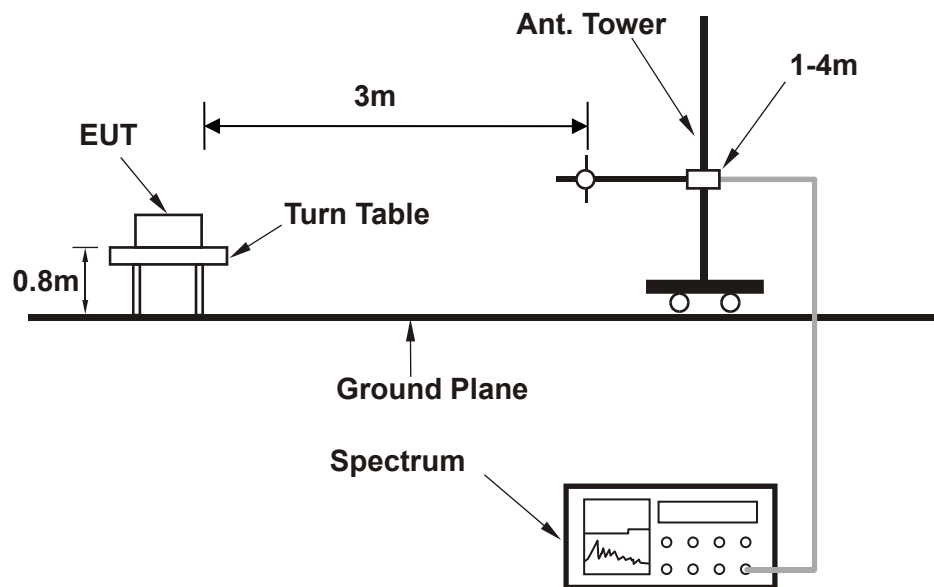
No deviation

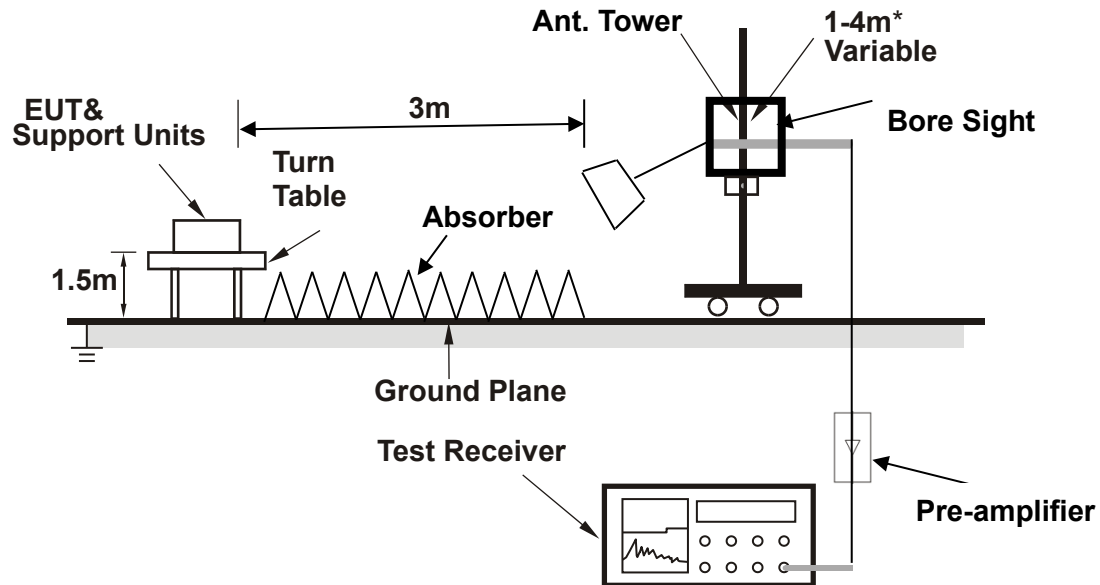
3.6.4 TEST SETUP

< 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.

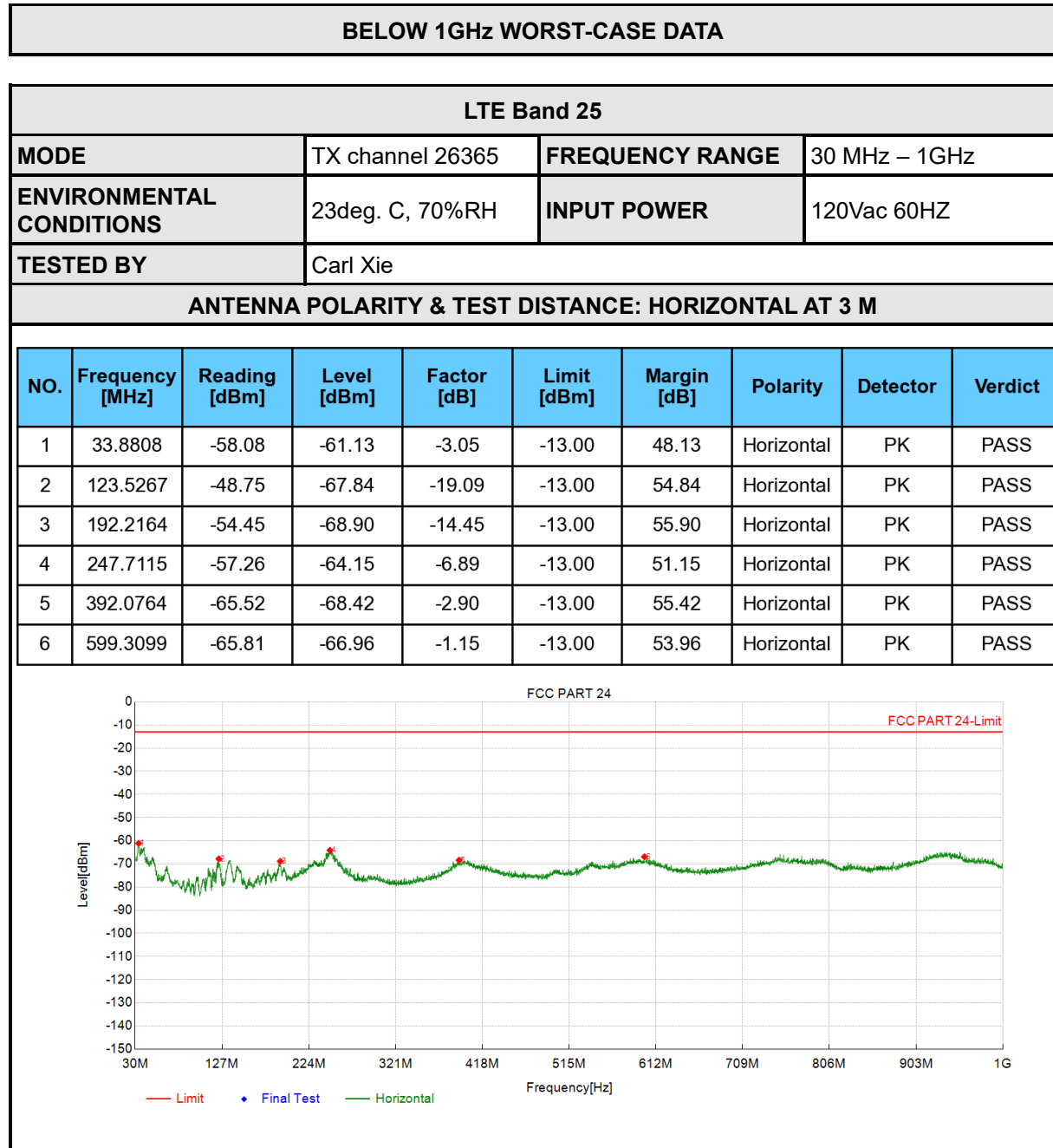
For the actual test configuration, please refer to the attached file (Test Setup Photo).



Test Report No.: RF260413B002

3.6.5 TEST RESULTS

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



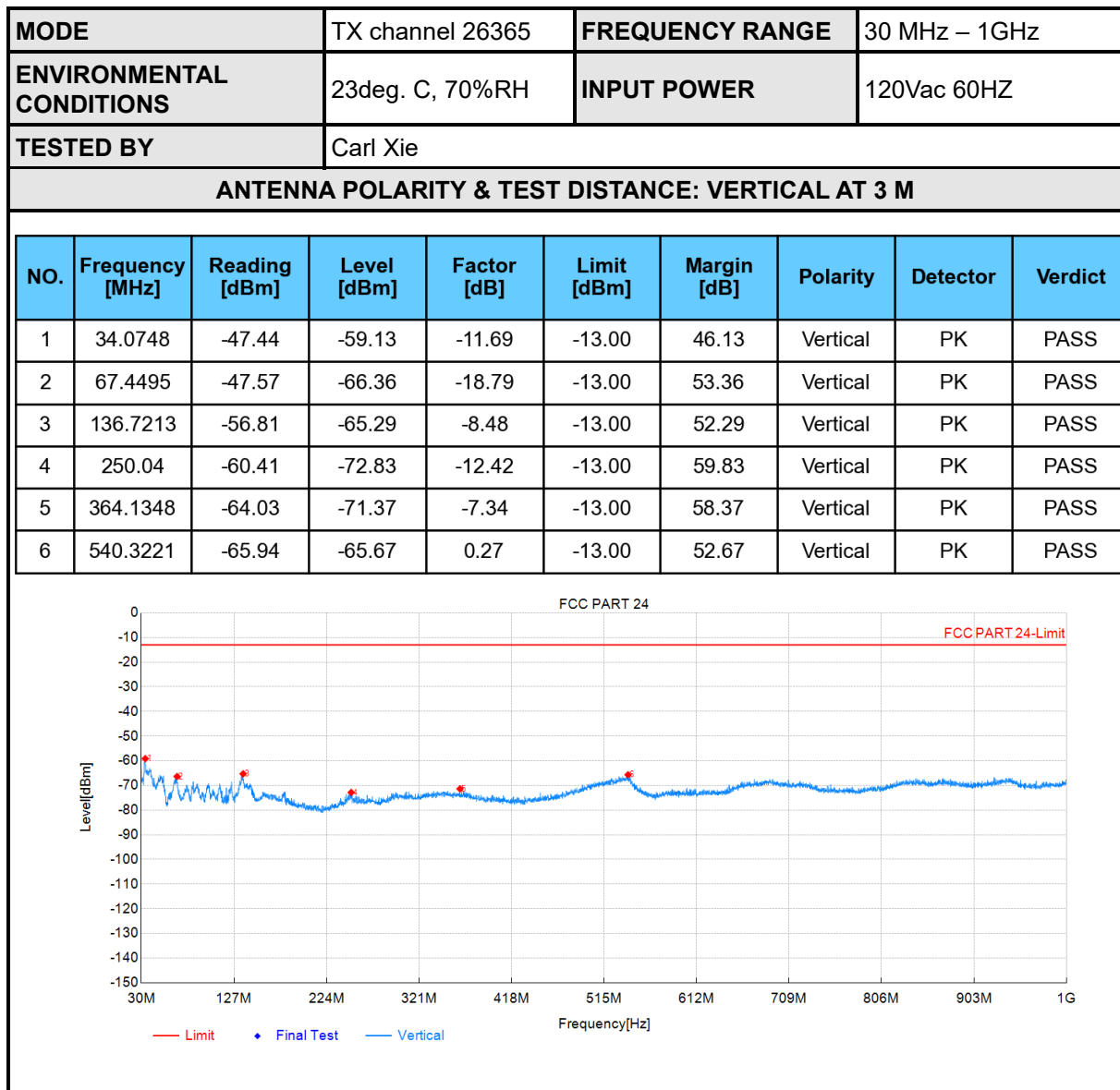
Boomwave Test (Shenzhen)
Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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ABOVE 1GHz DATA

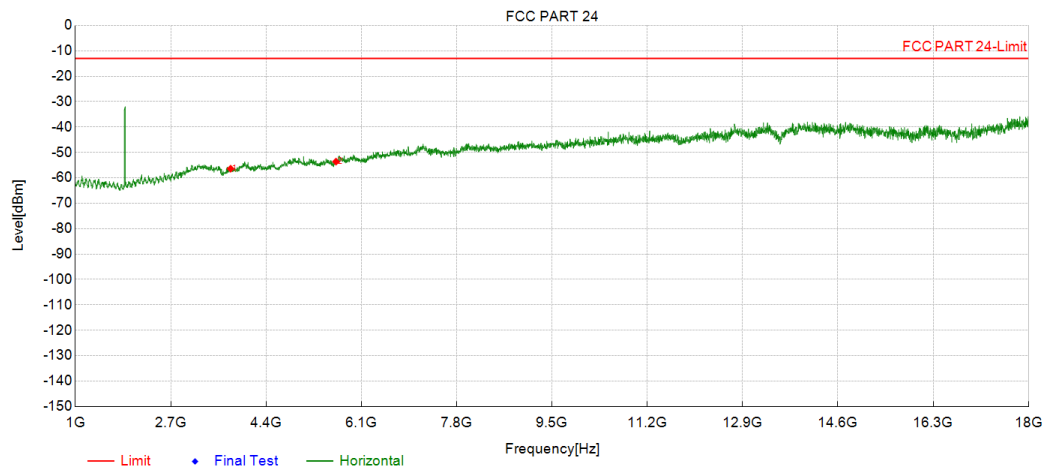
Note: For higher frequency, the emission is too low to be detected.

LTE Band 25

CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 26365
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	3768.1536	-55.37	-56.40	-1.03	-13.00	43.40	Horizontal	PK	PASS
2	5648.1296	-58.32	-53.60	4.72	-13.00	40.60	Horizontal	PK	PASS



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4th Rd, Chiwan Comm, Zhaoshang St, Nanshan
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CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 26365
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	3768.1536	-55.77	-56.80	-1.03	-13.00	43.80	Vertical	PK	PASS
2	5648.1296	-58.17	-53.59	4.58	-13.00	40.59	Vertical	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

— Limit ♦ Final Test — Vertical

Boomwave Test (Shenzhen)
Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



Test Report No.: RF260413B002

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26365
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	3768.1536	-56.08	-57.11	-1.03	-13.00	44.11	Horizontal	PK	PASS
2	5648.1296	-57.37	-52.68	4.69	-13.00	39.68	Horizontal	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

— Limit • Final Test — Horizontal

FCC PART 24-Limit

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Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



Test Report No.: RF260413B002

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26365
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	3768.1536	-55.52	-56.55	-1.03	-13.00	43.55	Vertical	PK	PASS
2	5648.1296	-59.11	-54.57	4.54	-13.00	41.57	Vertical	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

— Limit ♦ Final Test — Vertical

Boomwave Test (Shenzhen)
Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



Test Report No.: RF260413B002

CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 26365
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	3768.1536	-55.50	-56.51	-1.01	-13.00	43.51	Horizontal	PK	PASS
2	5648.1296	-58.82	-54.10	4.72	-13.00	41.10	Horizontal	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

— Limit ♦ Final Test — Horizontal

FCC PART 24-Limit

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Rm B38, Warehouse A5(Chiwan #1), #3 Chiwan
4th Rd, Chiwan Comm, Zhaoshang St, Nanshan
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Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



Test Report No.: RF260413B002

CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 26365
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	3768.1536	-56.08	-57.08	-1.00	-13.00	44.08	Vertical	PK	PASS
2	5648.1296	-59.31	-54.73	4.58	-13.00	41.73	Vertical	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

Limit Final Test Vertical

FCC PART 24-Limit

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Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



Test Report No.: RF260413B002

CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 26365
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	3768.1536	-56.08	-57.09	-1.01	-13.00	44.09	Horizontal	PK	PASS
2	5648.1296	-58.98	-54.26	4.72	-13.00	41.26	Horizontal	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

— Limit ♦ Final Test — Horizontal

FCC PART 24-Limit

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Co., Ltd.

Rm B38, Warehouse A5(Chiwan #1), #3 Chiwan
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Mobile: +86 15118052731
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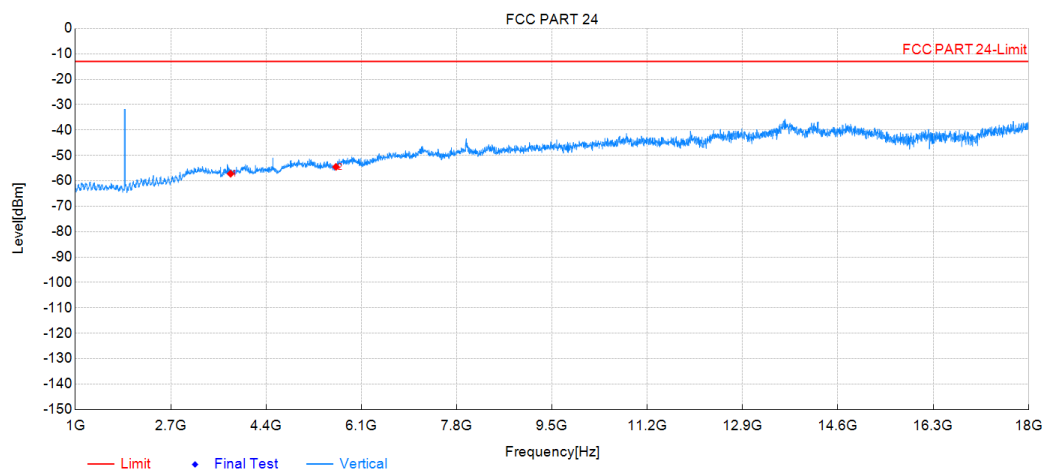


Test Report No.: RF260413B002

CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 26365
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	3768.1536	-56.19	-57.19	-1.00	-13.00	44.19	Vertical	PK	PASS
2	5648.1296	-59.04	-54.50	4.54	-13.00	41.50	Vertical	PK	PASS



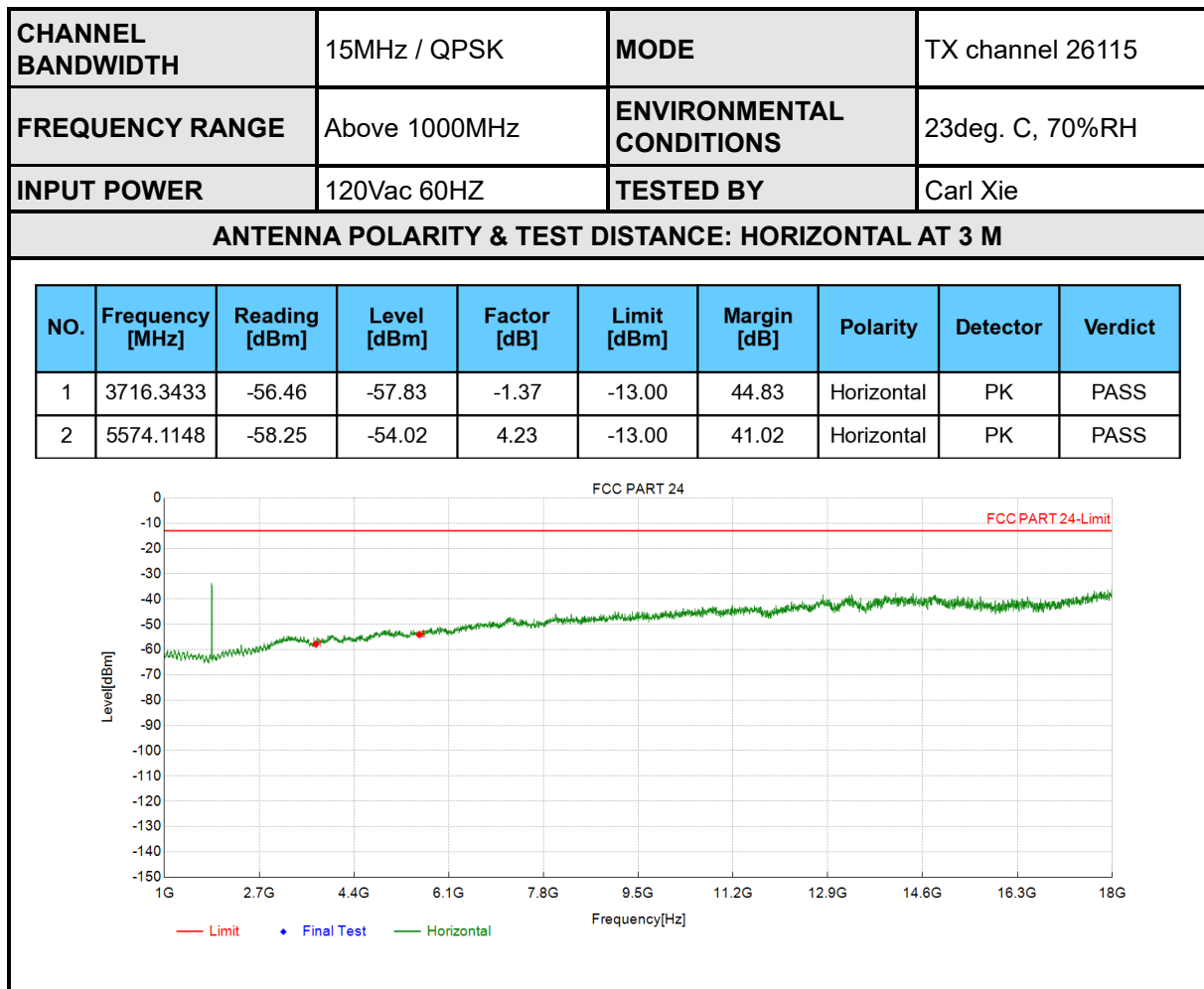
Boomwave Test (Shenzhen)
Co., Ltd.

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

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



Test Report No.: RF260413B002



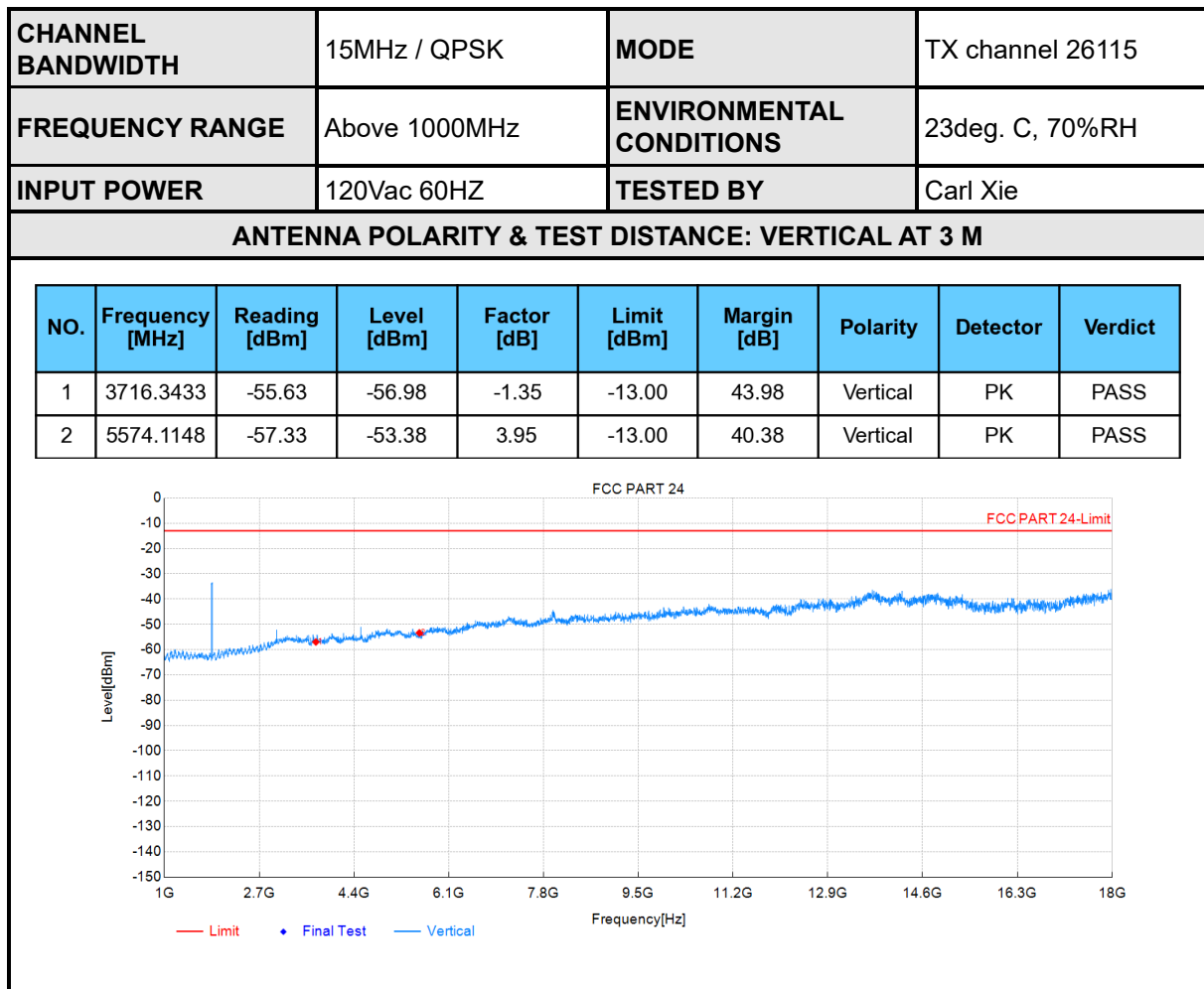
Boomwave Test (Shenzhen)
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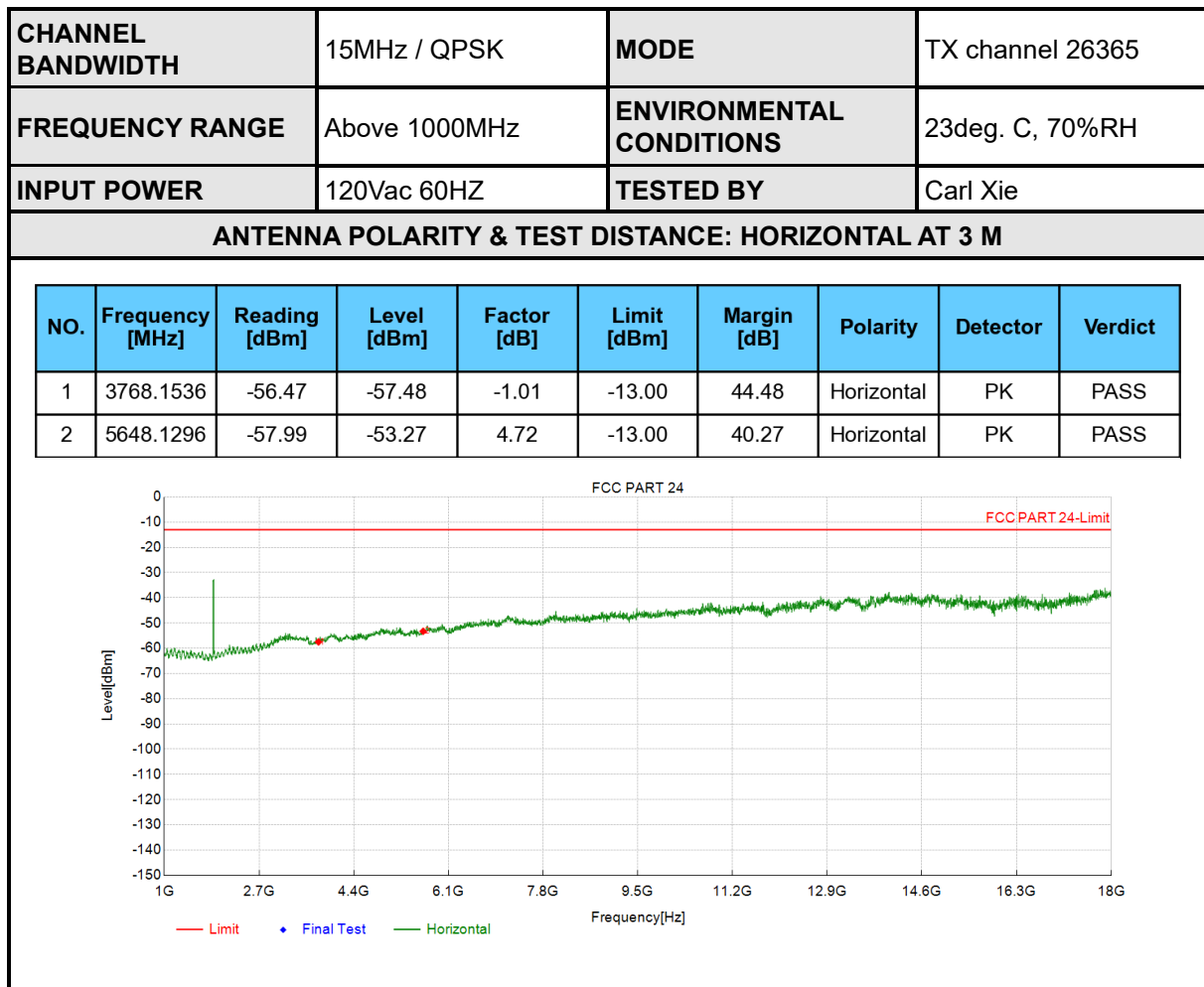
Boomwave Test (Shenzhen)
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Test Report No.: RF260413B002

CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 26365
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	3768.1536	-56.08	-57.08	-1.00	-13.00	44.08	Vertical	PK	PASS
2	5648.1296	-58.29	-53.75	4.54	-13.00	40.75	Vertical	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

— Limit ♦ Final Test — Vertical

FCC PART 24-Limit

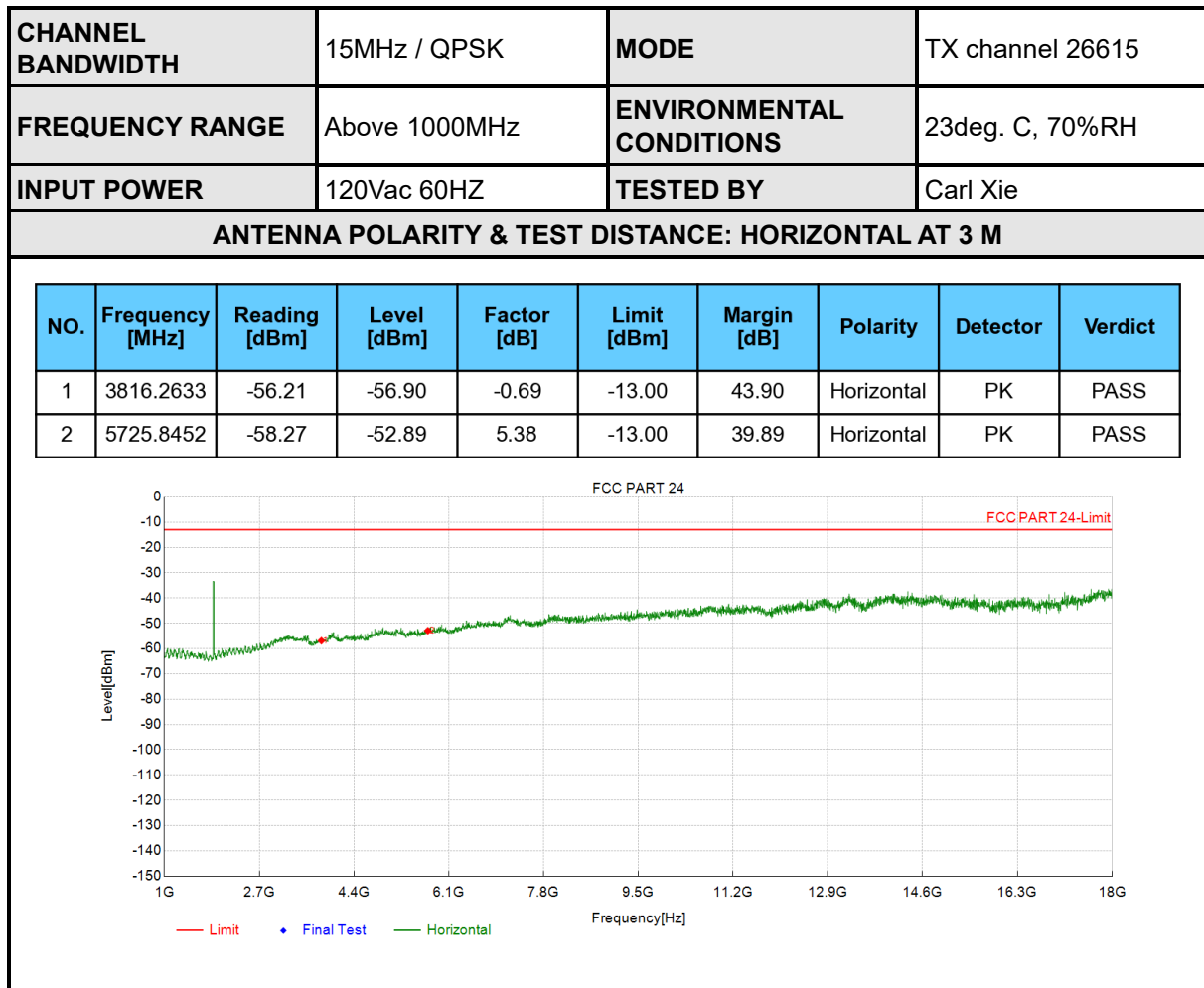
Boomwave Test (Shenzhen)
Co., Ltd.

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4th Rd, Chiwan Comm, Zhaoshang St, Nanshan
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Email:shimin.wang@boomwavelab.com



Test Report No.: RF260413B002



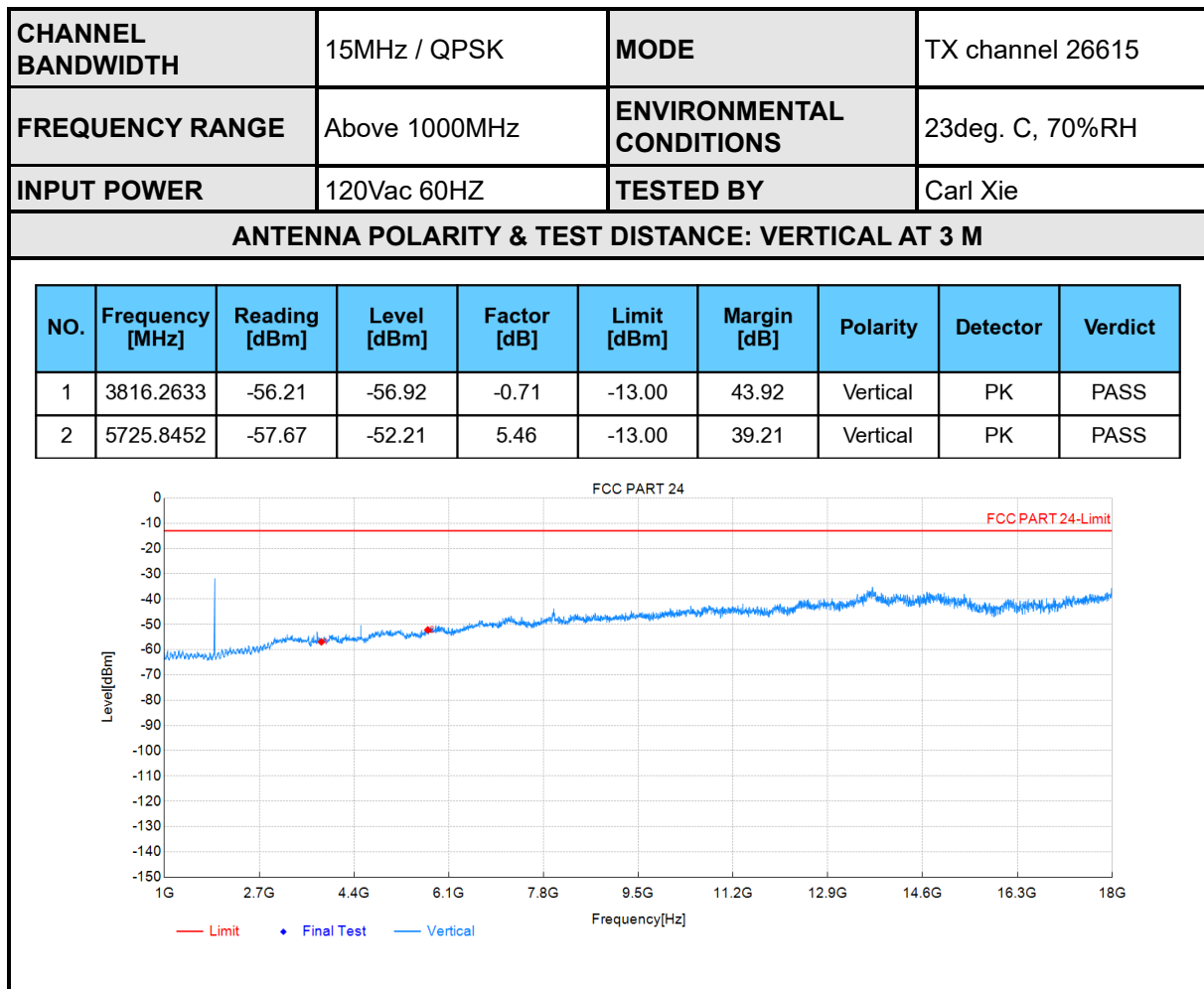
Boomwave Test (Shenzhen)
Co., Ltd.

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Boomwave Test (Shenzhen)
Co., Ltd.

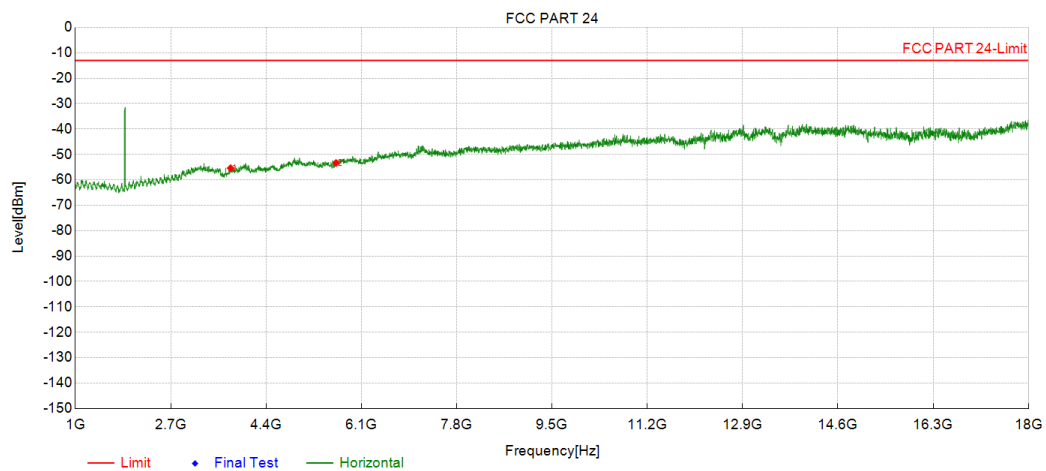
Rm B38, Warehouse A5(Chiwan #1), #3 Chiwan
4th Rd, Chiwan Comm, Zhaoshang St, Nanshan
Dist, Shenzhen, Guangdong, Shenzhen, China

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 26365
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

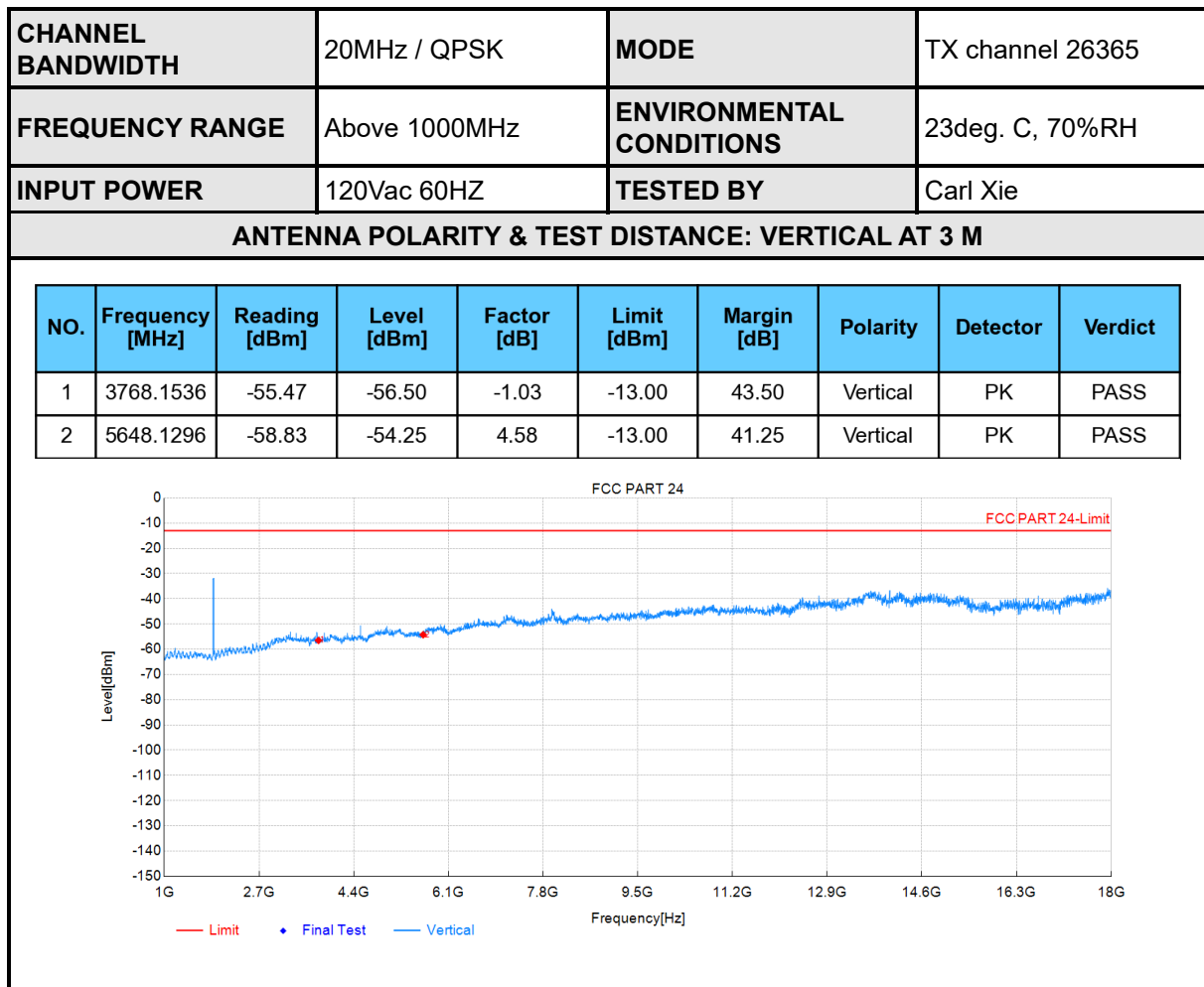
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3768.1536	-54.35	-55.38	-1.03	-13.00	42.38	Horizontal	PK	PASS
2	5648.1296	-58.07	-53.35	4.72	-13.00	40.35	Horizontal	PK	PASS





Test Report No.: RF260413B002



Boomwave Test (Shenzhen)
Co., Ltd.

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Email:shimin.wang@boomwavelab.com



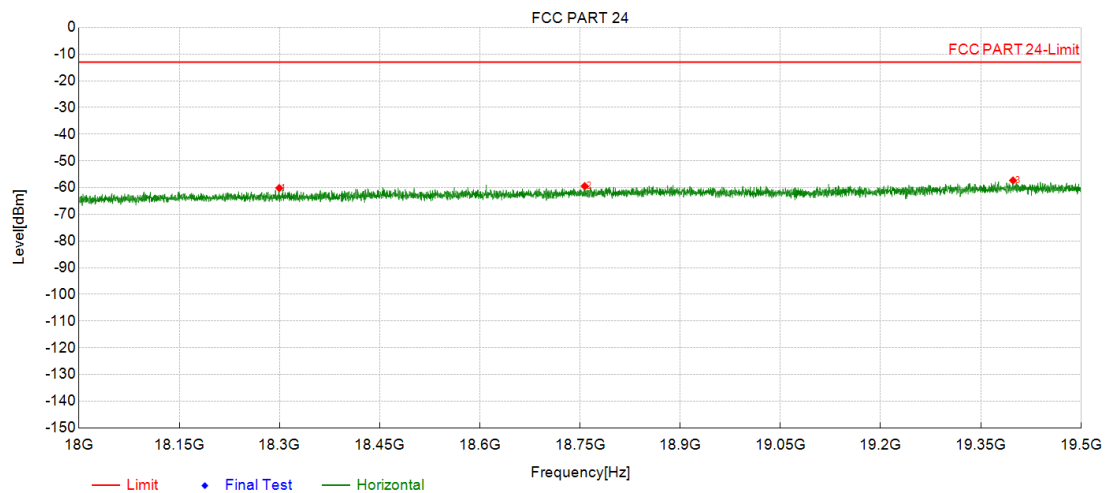
Test Report No.: RF260413B002
HARMONICS

LTE Band 25

CHANNEL BANDWIDTH	15MHz / QPSK	MODE	TX channel 26365
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	18299.76	-67.99	-60.17	7.82	-13.00	47.17	Horizontal	PK	PASS
2	18757.0514	-67.72	-59.44	8.28	-13.00	46.44	Horizontal	PK	PASS
3	19398.2797	-66.55	-57.32	9.23	-13.00	44.32	Horizontal	PK	PASS



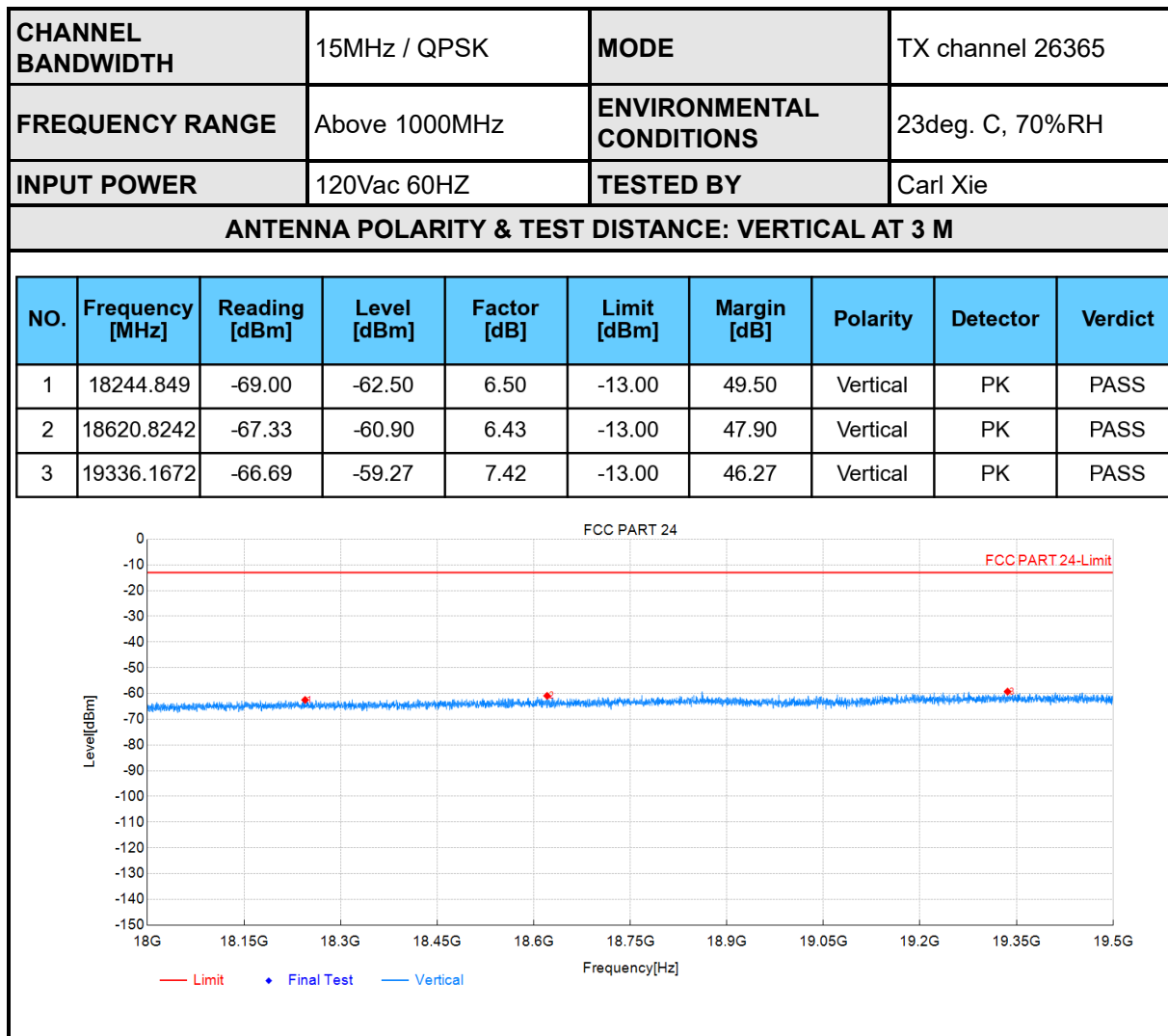
Boomwave Test (Shenzhen)
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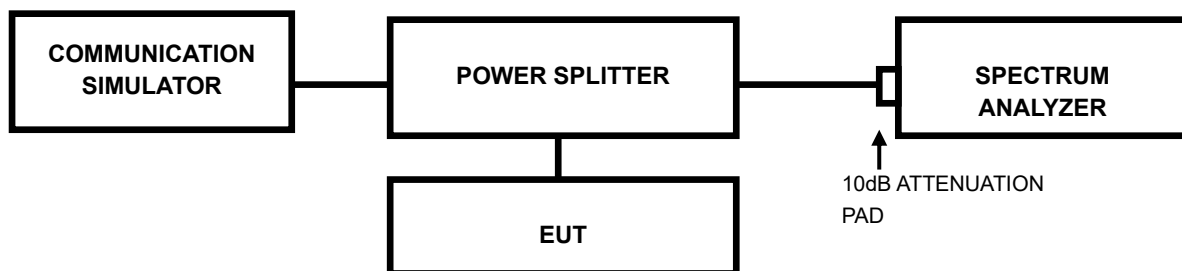
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3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

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

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

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

3.7.4 TEST RESULTS

Please Refer to WWAN module(model name: RM520N-GL) test report(NO.: SEWM2304000122RG01,FCC ID: XMR2023RM520NGL).



Test Report No.: RF260413B002

4 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



Test Report No.: RF260413B002

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

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