

FCC TEST REPORT

(PART 24)

Applicant:	MeiG Smart Technology Co., Ltd
Address:	2nd Floor, Office Building, No.5 Lingxia Road, Fenghuang, Fuyong Street, Bao'an District, Shenzhen

Manufacturer or Supplier:	MeiG Smart Technology Co., Ltd
Address:	2nd Floor, Office Building, No.5 Lingxia Road, Fenghuang, Fuyong Street, Bao'an District, Shenzhen
Product:	SRM813Q
Brand Name:	MEIGLink
Model Name:	SRM813Q
FCC ID	2APJ4-SRM813Q
Date of tests	May. 21, 2026 ~ Jun. 23, 2026

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

☒ **FCC PART 24, Subpart E**
☒ **FCC PART 2**

☒ **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
<i>Carl Xie</i>	<i>Simon Wang</i>
Date: Jun. 23, 2026	Date: Jun. 23, 2026

Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TABLE OF CONTENTS

RELEASE CONTROL RECORD	4
1 SUMMARY OF TEST RESULTS.....	5
1.1 MEASUREMENT UNCERTAINTY	6
1.2 TEST SITE AND INSTRUMENTS.....	7
2 GENERAL INFORMATION	9
2.1 GENERAL DESCRIPTION OF EUT.....	9
2.2 CONFIGURATION OF SYSTEM UNDER TEST	13
2.3 DESCRIPTION OF SUPPORT UNITS	14
2.4 TEST ITEM AND TEST CONFIGURATION	15
2.5 EUT OPERATING CONDITIONS.....	21
2.6 GENERAL DESCRIPTION OF APPLIED STANDARDS.....	21
3 TEST TYPES AND RESULTS.....	22
3.1 OUTPUT POWER MEASUREMENT	22
3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT	22
3.1.2 TEST PROCEDURES	22
3.1.3 TEST SETUP	23
3.1.4 TEST RESULTS	23
3.2 FREQUENCY STABILITY MEASUREMENT	40
3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT	40
3.2.2 TEST PROCEDURE.....	40
3.2.3 TEST SETUP	40
3.2.4 TEST RESULTS	40
3.3 OCCUPIED BANDWIDTH MEASUREMENT	41
3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT	41
3.3.2 TEST SETUP	41
3.3.3 TEST PROCEDURES	41
3.3.4 TEST RESULTS	41
3.4 BAND EDGE MEASUREMENTC.....	42
3.4.1 LIMITS OF BAND EDGE MEASUREMENT	42
3.4.2 TEST SETUP	42
3.4.3 TEST PROCEDURES	43
3.4.4 TEST RESULTS	43
3.5 CONDUCTED SPURIOUS EMISSIONS.....	44
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT	44
3.5.2 TEST PROCEDURE.....	44
3.5.3 TEST SETUP	44
3.5.4 TEST RESULTS	44
3.6 RADIATED EMISSION MEASUREMENT	45
3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT	45
3.6.2 TEST PROCEDURES	45
3.6.3 DEVIATION FROM TEST STANDARD	45
3.6.4 TEST SETUP	46

Test Report No.: RF260623B002

3.6.5	TEST RESULTS	48
3.7	PEAK TO AVERAGE RATIO	116
3.7.1	LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT	116
3.7.2	TEST SETUP	116
3.7.3	TEST PROCEDURES	116
3.7.4	TEST RESULTS	116
4	PHOTOGRAPHS OF THE TEST CONFIGURATION	117
5	INFORMATION ON THE TESTING LABORATORIES	118
6	MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB ...	119
7	APPENDIX.....	120

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF260623B002	Original release	Jun. 23, 2026

Note: The single module is an LCC module. There are two types of small substrates at the bottom of the module. One is in M.2 form, and the other is in MINIPCIE form. The modules welded on the top of the two types of small substrates are exactly the same; it's just that the shapes of the small substrates are different, which will not affect the RF indicators.

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*
§2.1046	Conducted Output Power	Compliance	A
§24.232(c)	Equivalent Isotropic Radiated Power	Compliance	A
§2.1055 §24.235	Frequency Stability	Compliance	A
§2.1049	Occupied Bandwidth	Compliance	A
§24.232(d)	Peak to average ratio*	Compliance	A
§24.238(a)(b)	Band Edge Measurements	Compliance	A
§2.1051 §24.238(a)(b)	Conducted Spurious Emissions	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:

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th Road, Chiwan Community, Zhaoshang Street, Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Accredited Test Lab Cert 7607.01

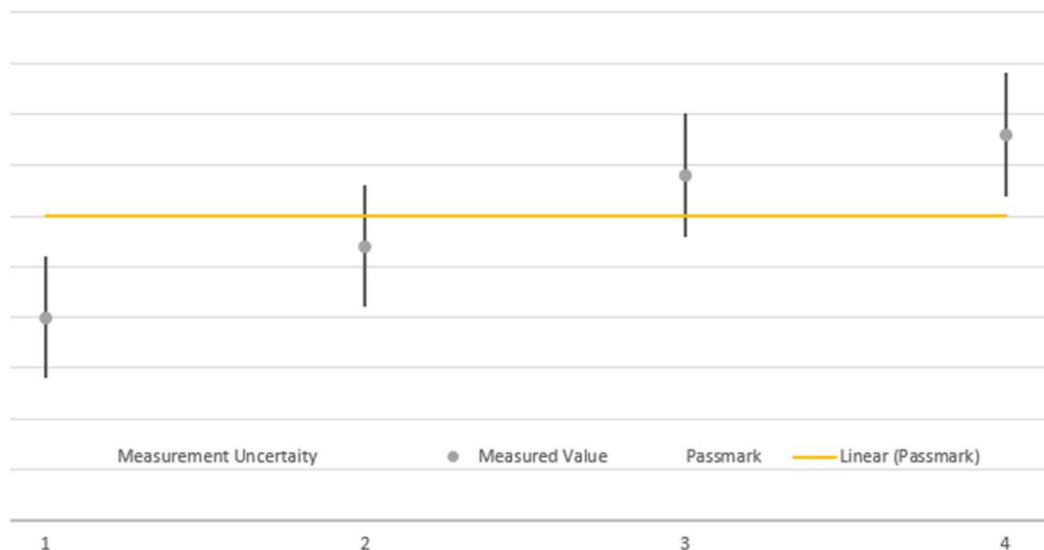
The FCC Site Registration No. is 646781; The Designation No. is CN1429.

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.

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	Anymeters	----	TH101B	2025/7/22	2026/7/21
Temperature Box	zhongkemeiqi	MA22040172	MQ-DTH50F-2	2025/7/1	2026/6/30
power divider	WOKEN	71688	204-003180-01	2025/6/30	2026/6/29

Test Report No.: RF260623B002

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.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	SRM813Q	
BRAND NAME	MEIGLink	
MODEL NAME	SRM813Q	
NOMINAL VOLTAGE	3.8Vdc	
MODULATION TYPE	LTE Band 2/25: QPSK, 16QAM, 64QAM NR N2/25: DFT-s-OFDM(Pi/2BPSK,QPSK,16QAM,64QAM,256QAM); CP-OFDM(QPSK,16QAM,64QAM,256QAM);	
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
	NR BAND N2 Channel Bandwidth: 5MHz	1852.5MHz ~ 1907.5MHz
	NR BAND N2 Channel Bandwidth: 10MHz	1855MHz ~ 1905MHz
	NR BAND N2 Channel Bandwidth: 15MHz	1857.5MHz ~ 1902.5MHz
	NR BAND N2 Channel Bandwidth: 20MHz	1860MHz ~ 1900MHz

	NR BAND N25 Channel Bandwidth: 5MHz	1852.5MHz ~ 1912.5MHz
	NR BAND N25 Channel Bandwidth: 10MHz	1855MHz ~ 1910MHz
	NR BAND N25 Channel Bandwidth: 15MHz	1857.5MHz ~ 1907.5MHz
	NR BAND N25 Channel Bandwidth: 20MHz	1860MHz ~ 1905MHz
MAX. EIRP POWER	LTE Band 2 Channel Bandwidth: 1.4MHz	277.33mW
	LTE Band 2 Channel Bandwidth: 3MHz	274.79mW
	LTE Band 2 Channel Bandwidth: 5MHz	272.27mW
	LTE Band 2 Channel Bandwidth: 10MHz	276.06mW
	LTE Band 2 Channel Bandwidth: 15MHz	271.02mW
	LTE Band 2 Channel Bandwidth: 20MHz	278.61mW
	LTE Band 25 Channel Bandwidth: 1.4MHz	268.53mW
	LTE Band 25 Channel Bandwidth: 3MHz	261.22mW
	LTE Band 25 Channel Bandwidth: 5MHz	266.07mW
	LTE Band 25 Channel Bandwidth: 10MHz	263.03mW
	LTE Band 25 Channel Bandwidth: 15MHz	261.22mW
	LTE Band 25 Channel Bandwidth: 20MHz	269.77mW
	NR BAND N2 Channel Bandwidth: 5MHz	258.23mW
	NR BAND N2 Channel Bandwidth: 10MHz	258.23mW
	NR BAND N2 Channel Bandwidth: 15MHz	250.61mW
	NR BAND N2 Channel Bandwidth: 20MHz	258.82mW
	NR BAND N25 Channel Bandwidth: 5MHz	246.04mW

	NR BAND N25 Channel Bandwidth: 10MHz	250.03mW
	NR BAND N25 Channel Bandwidth: 15MHz	251.77mW
	NR BAND N25 Channel Bandwidth: 20MHz	252.93mW
EMISSION DESIGNATOR	LTE Band 25 Channel Bandwidth: 1.4MHz	QPSK: 1M11G7D
		16QAM: 1M11W7D
		64QAM: 1M10W7D
	LTE Band 25 Channel Bandwidth: 3MHz	QPSK: 2M70G7D
		16QAM: 2M71W7D
		64QAM: 2M71W7D
	LTE Band 25 Channel Bandwidth: 5MHz	QPSK: 4M54G7D
		16QAM: 4M53W7D
		64QAM: 4M53W7D
	LTE Band 25 Channel Bandwidth: 10MHz	QPSK: 9M02G7D
		16QAM: 9M05W7D
		64QAM: 9M02W7D
	LTE Band 25 Channel Bandwidth: 15MHz	QPSK: 13M6G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D
	LTE Band 25 Channel Bandwidth: 20MHz	QPSK: 18M0G7D
		16QAM: 18M0W7D
		64QAM: 18M0W7D
	NR N25 Channel Bandwidth: 5MHz	Pi/2BPSK: 4M57G7D QPSK: 4M52G7D 16QAM: 4M56W7D 64QAM: 4M53W7D 256QAM: 4M55G7D
	NR N25 Channel Bandwidth: 10MHz	Pi/2BPSK: 9M00G7D QPSK: 9M01G7D 16QAM: 8M96W7D 64QAM: 8M97W7D 256QAM: 8M95G7D
	NR N25 Channel Bandwidth: 15MHz	Pi/2BPSK: 13M4G7D QPSK: 13M5G7D 16QAM: 13M4W7D 64QAM: 13M5W7D 256QAM: 13M5G7D

Test Report No.: RF260623B002

	NR N25 Channel Bandwidth: 20MHz	Pi/2BPSK: 17M9G7D QPSK: 17M9G7D 16QAM: 17M9W7D 64QAM: 17M9W7D 256QAM: 17M9G7D
ANTENNA GAIN	☒ Provided by client	
	LTE B2	1.35dBi
	LTE B25	1.22dBi
	NR N2	1.35dBi
	NR N25	1.35dBi
ANTENNA TYPE	External Antenna	
HW VERSION	SRM813Q-NA_MB_V1.00	
SW VERSION	SRM813Q-NA_2.0.3_EQ100	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	N/A	
EXTREME TEMPERATURE	-40°C~85°C	
EXTREME VOLTAGE	3.3V~4.35V	

NOTE:

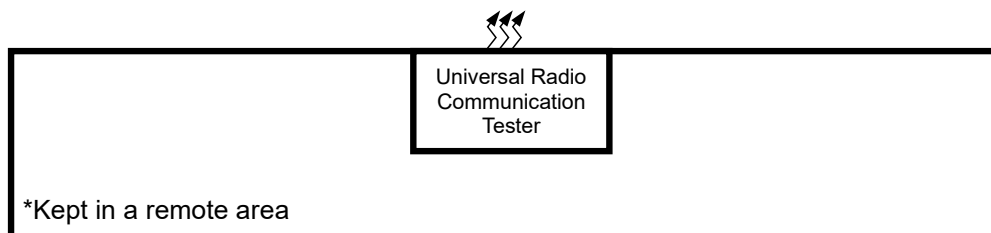
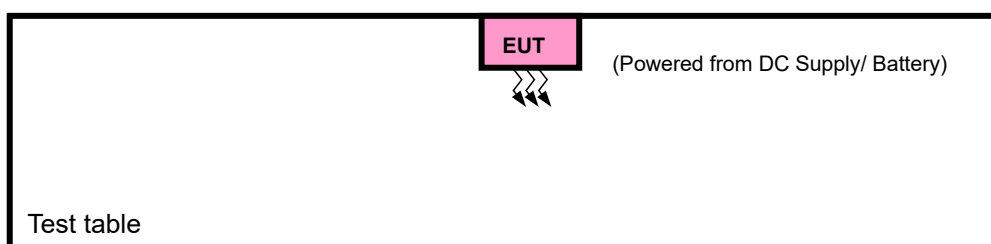
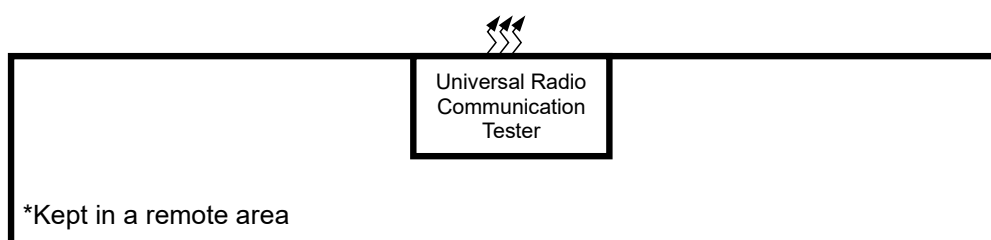
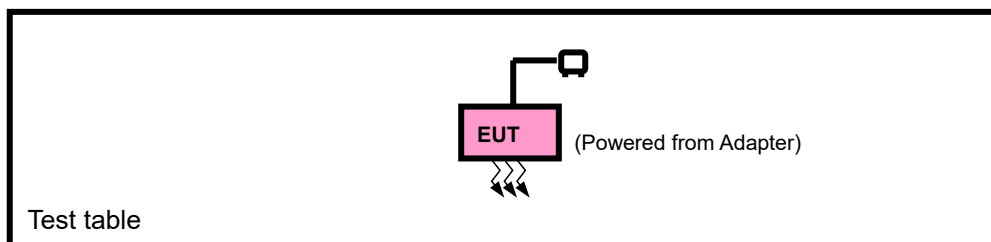
- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and two receivers.

MODULATION MODE	TX FUNCTION
LTE	1TX/2RX
NR	1TX/2RX

- 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



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
2	DC Source	HYELEC	HY3010B	551016	N/A

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

2.4 TEST ITEM AND TEST CONFIGURATION

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case in EIRP and radiated emission was found when positioned on X-plane for LTE or 5G NR. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	DESCRIPTION
A	EUT + Adapter with LTE and NR link
B	EUT + DC Supply with LTE and NR 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
A	RADIATED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK	1 RB / 0 RB offset
		18615 to 19185	18900	3MHz	QPSK	1 RB / 0 RB offset
		18625 to 19175	18900	5MHz	QPSK	1 RB / 0 RB offset
		18650 to 19150	18650, 18900, 19150	10MHz	QPSK	1 RB / 0 RB offset
		18675 to 19125	18900	15MHz	QPSK	1 RB / 0 RB offset
		18700 to 19100	18900	20MHz	QPSK	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 conducted test data and RSE test data please refer to LTE Band 25

3. For Radiated Emission, we tested all the channel bandwidths, but only shows the worst data in the report.

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
B	FREQUENCY STABILITY	26140 to 26590	26090, 26365 26640	10MHz	QPSK,16QAM, 64QAM	100 RB / 0 RB offset
A	OCCUPIED BANDWIDTH	26047 to 26683	26047, 26365, 26683	1.4MHz	QPSK,16QAM, 64QAM	6 RB / 0 RB offset
		26055 to 26675	26055, 26365, 26675	3MHz	QPSK,16QAM, 64QAM	15 RB / 0 RB offset
		26065 to 26665	26065, 26365, 26665	5MHz	QPSK,16QAM, 64QAM	25 RB / 0 RB offset
		26090 to 26640	26090, 26365 26640	10MHz	QPSK,16QAM, 64QAM	50 RB / 0 RB offset
		26115 to 26615	26115, 26365, 26615	15MHz	QPSK,16QAM, 64QAM	75 RB / 0 RB offset
		26140 to 26590	26140, 26365, 26590	20MHz	QPSK,16QAM, 64QAM	100 RB / 0 RB offset
A	PEAK TO AVERAGE RATIO	26047 to 26683	26047, 26365, 26683	1.4MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 6 RB / 0 RB offset
		26055 to 26675	26055, 26365, 26675	3MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 15 RB / 0 RB offset
		26065 to 26665	26065, 26365, 26665	5MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 25 RB / 0 RB offset
		26090 to 26640	26090, 26365 26640	10MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 50 RB / 0 RB offset
		26115 to 26615	26115, 26365, 26615	15MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 75RB / 0 RB offset
		26140 to 26590	26140, 26365, 26590	20MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 100 RB / 0 RB offset
A	BAND EDGE	26047 to 26683	26047	1.4MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 6 RB / 0 RB offset
			26683	1.4MHz	QPSK,16QAM, 64QAM	1 RB / 5 RB offset 6 RB / 0 RB offset
		26055 to 26675	26055	3MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 15 RB / 0 RB offset
			26675	3MHz	QPSK,16QAM, 64QAM	1 RB / 14 RB offset 15 RB / 0 RB offset
		26065 to 26665	26065	5MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 25 RB / 0 RB offset
			26665	5MHz	QPSK,16QAM, 64QAM	1 RB / 24 RB offset 25 RB / 0 RB offset
		26090 to 26640	26090	10MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 50 RB / 0 RB offset
			26640	10MHz	QPSK,16QAM, 64QAM	1 RB / 49 RB offset 50 RB / 0 RB offset

Test Report No.: RF260623B002

		26115 to 26615	26115	15MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 75 RB / 0 RB offset
			26615	15MHz	QPSK,16QAM, 64QAM	1 RB / 74 RB offset 75 RB / 0 RB offset
		26140 to 26590	26140	20MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB offset 100 RB / 0 RB offset
			26590	20MHz	QPSK,16QAM, 64QAM	1 RB / 99 RB offset 100 RB / 0 RB offset
		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
A	CONDCUDETED EMISSION	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
		26047 to 26683	26365	1.4MHz	QPSK	1 RB / 0 RB offset
		26055 to 26675	26055, 26365, 26675	3MHz	QPSK	1 RB / 0 RB offset
A	RADIATED EMISSION	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	26365	15MHz	QPSK	1 RB / 0 RB offset
		26140 to 26590	26140, 26365, 26590	20MHz	QPSK	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. For Radiated Emission, we tested all the channel bandwidths, but only shows the worst data in the report.

Test Report No.: RF260623B002

NR BAND N2 MODE

EUT CONFIGURE MODE	TEST ITEM	Available Channel	Tested Channel	Channel bandwidth	modulation	mode
A	ERP	370500 to 381500	370500 ,376000,381500	5MHz	QPSK	1 RB / 0 RB offset
		371000 to 381000	371000 ,376000,381000	10MHz	QPSK	1 RB / 0 RB offset
		371500 to 380500	371500 ,376000,380500	15MHz	QPSK	1 RB / 0 RB offset
		372000 to 380000	372000 ,376000,380000	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1 RB / 0 RB offset
A	RADIATED EMISSION	372000 to 380000	372000 ,376000,380000	20MHz	QPSK	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. NR BAND N5 are covered by NR Band N26, Because it is a subset of NR Band N26 with the same output power and supported bandwidths, So the test data please refer to NR Band N26
3. For Radiated Emission, we tested all the channel bandwidths, but only shows the worst data in the report.

NR BAND N25 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DF T-S-OFDM) (INCLUDE CP-OFDM)
A	ERP	370500 to 382500	370500 ,376500,382500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		371000 to 382000	371000 ,376500,382000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		371500 to 381500	371500 ,376500,381500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		372000 to 381000	372000 ,376500,381000	Low, Middle, High	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
B	FREQUENCY STABILITY	371000 to 382000	371000 ,382000	Low, High	10MHz	QPSK	Outer_ Full
A	PEAK TO AVERAGE RATIO	370500 to 382500	370500 ,376500,382500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		370500 to 382500	371000 ,376500,382000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		371500 to 381500	371500 ,376500,381500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		371500 to 381500	372000 ,376500,381000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full

BOOMWAVE TEST (SHENZHEN)
CO., LTD.

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan
4th Road, Chiwan Community, Zhaoshang Street,
Nanshan District, Shenzhen, Guangdong, P.R. CHINA

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

Test Report No.: RF260623B002

A	OCCUPIED BANDWIDTH	370500 to 382500	376500	Middle	5MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		371000 to 382000	376500	Middle	10MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		371500 to 381500	376500	Middle	15MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
		372000 to 381000	376500	Middle	20MHz	Pi/2BPSK,QPSK,16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	370500 to 382500	370500 , 382500	Low	5MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
				High	5MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		371000 to 382000	371000, 382000	Low	10MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
				High	10MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		371500 to 381500	371500 , 381500	Low	10MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
				High	10MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
		372000 to 381000	372000 , 381000	Low	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
				High	20MHz	QPSK	1RB/ 0RB Offset
							Outer_ Full
A	CONDUCTED EMISSION	370500 to 382500	370500 ,376500,382500	Low, Middle, High	5MHz	QPSK	1RB/ 0RB Offset
		371000 to 382000	371000 ,376500,382000	Low, Middle, High	10MHz	QPSK	1RB/ 0RB Offset
		371500 to 381500	371500 ,376500,381500	Low, Middle, High	15MHz	QPSK	1RB/ 0RB Offset
		372000 to 381000	372000 ,376500,381000	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	163300 to 169300	376500	Middle	5MHz	QPSK	1RB/ 0RB Offset
		163800 to 168800	376500	Middle	10MHz	QPSK	1RB/ 0RB Offset
		164300 to 168300	376500	Middle	15MHz	QPSK	1RB/ 0RB Offset

Test Report No.: RF260623B002

		164800 to 167800	372000 ,376500,3810 00	Low, Middle, High	20MHz	QPSK	1RB/ 0RB Offset
--	--	---------------------	---------------------------	-------------------------	-------	------	--------------------

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

2. The test data presented in the report from worst SA _n25

3. For Radiated Emission, we tested all the channel bandwidths, but only shows the worst data in the report.

TEST CONDITION			
TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP	23deg. C, 70%RH	DC 3.8V By Battery	Carl Xie
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.3V/ 3.8V/ 4.35V By DC Source	Alan Yu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC 3.8V By Battery	Alan Yu
BAND EDGE	23deg. C, 70%RH	DC 3.8V By Battery	Alan Yu
CONDCUDED EMISSION	23deg. C, 70%RH	DC 3.8V By Battery	Alan Yu
RADIATED EMISSION	23deg. C, 70%RH	AC 120V/60MHz	Carl Xie
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC 3.8V By Battery	Alan Yu

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 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:

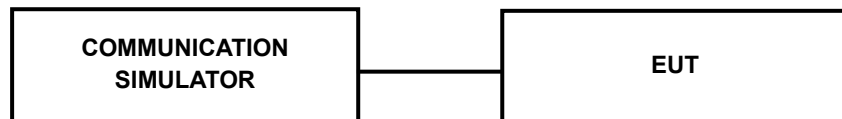
The EUT was set up for the maximum power with WCDMA link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

Test Report No.: RF260623B002

3.1.3 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm) :

Test Report No.: RF260623B002

LTE BAND 2						
Band/BW	Modulation	RB Size	RB offset	Low CH 18607	Mid CH 18900	High CH 19193
				Frequency 1850.7 MHz	Frequency 1880 MHz	Frequency 1909.3 MHz
2/ 1.4	QPSK	1	0	22.72	22.85	22.98
		1	2	22.77	23.08	23.03
		1	5	22.59	22.66	22.73
		3	0	22.13	22.68	22.70
		3	1	22.91	22.90	22.96
		3	3	22.86	22.76	22.94
		6	0	21.93	21.88	21.87
	16QAM	1	0	21.80	21.94	22.16
		1	2	21.93	22.12	21.90
		1	5	21.46	21.93	21.79
		3	0	21.97	22.13	21.96
		3	1	21.81	21.90	22.24
		3	3	22.03	21.98	22.09
		6	0	21.23	21.34	21.17
	64QAM	1	0	20.77	20.79	21.07
		1	2	20.96	20.88	21.12
		1	5	20.79	20.98	20.75
		3	0	20.76	21.24	20.72
		3	1	21.20	20.87	21.25
		3	3	21.03	21.09	21.26
		6	0	20.09	20.06	20.11
Band/BW	Modulation	RB Size	RB offset	Low CH 18615	Mid CH 18900	High CH 19185
				Frequency 1851.5 MHz	Frequency 1880 MHz	Frequency 1908.5 MHz
2/ 3	QPSK	1	0	22.72	22.78	22.82
		1	7	22.66	23.04	23.03
		1	14	22.70	22.85	22.61
		8	0	21.12	21.80	21.84
		8	3	21.96	21.92	22.00
		8	7	21.80	21.79	21.91
		15	0	21.84	22.02	21.87
	16QAM	1	0	21.72	21.94	22.23
		1	7	21.95	22.04	22.03
		1	14	21.50	22.06	21.82
		8	0	20.97	21.11	21.06
		8	3	21.00	20.83	21.20
		8	7	21.02	21.12	21.17
		15	0	21.09	21.35	21.11
	64QAM	1	0	20.84	20.88	21.06
		1	7	20.92	20.80	21.11
		1	14	20.84	20.86	20.79
		8	0	19.92	20.10	19.88
		8	3	20.24	20.04	20.04
		8	7	19.93	20.09	20.06

Test Report No.: RF260623B002

		15	0	20.10	20.17	20.20
LTE BAND 2						
Band/BW	Modulation	RB Size	RB offset	Low CH18625	Mid CH18900	High CH19175
				Frequency 1852.5 MHz	Frequency 1880 MHz	Frequency 1907.5 MHz
2/ 5	QPSK	1	0	22.78	22.92	22.81
		1	12	22.74	23.00	22.85
		1	24	22.63	22.73	22.71
		12	0	21.05	21.85	21.80
		12	6	21.80	22.08	22.00
		12	13	21.76	21.83	21.98
		25	0	21.76	21.93	21.83
	16QAM	1	0	21.87	21.97	22.14
		1	12	21.96	22.14	22.10
		1	24	21.54	21.93	21.81
		12	0	21.09	20.95	20.92
		12	6	20.78	20.84	21.16
		12	13	21.05	20.94	21.00
		25	0	21.15	21.35	21.15
	64QAM	1	0	20.79	20.93	21.22
		1	12	20.88	21.00	21.02
		1	24	20.94	21.03	20.88
		12	0	19.77	20.16	19.87
		12	6	20.16	19.90	20.12
		12	13	20.05	20.00	20.26
		25	0	19.98	20.19	20.24
Band/BW	Modulation	RB Size	RB offset	Low CH 18650	Mid CH 18900	High CH 19150
				Frequency 1855 MHz	Frequency 1880 MHz	Frequency 1905 MHz
2/ 10	QPSK	1	0	22.61	22.92	22.95
		1	24	22.73	23.06	22.96
		1	49	22.65	22.67	22.58
		25	0	21.08	21.70	21.86
		25	12	21.85	22.05	22.03
		25	25	21.90	21.90	21.89
		50	0	21.86	21.95	21.87
	16QAM	1	0	21.83	22.03	22.23
		1	24	21.85	22.15	22.09
		1	49	21.48	21.88	21.77
		25	0	20.87	20.93	20.84
		25	12	20.95	20.84	21.17
		25	25	20.88	20.95	21.17
		50	0	21.14	21.35	21.17
	64QAM	1	0	20.93	20.97	21.12
		1	24	20.80	20.82	20.97
		1	49	20.73	20.86	20.78
		25	0	19.89	20.16	19.80
		25	12	20.22	19.99	20.18

Test Report No.: RF260623B002

		25	25	19.91	20.06	20.26
		50	0	20.08	20.24	20.08

LTE BAND 2

Band/BW	Modulation	RB Size	RB offset	Low CH 18675	Mid CH 18900	High CH 19125
				Frequency 1857.5 MHz	Frequency 1880 MHz	Frequency 1902.5 MHz
2/ 15	QPSK	1	0	22.68	22.93	22.81
		1	37	22.76	22.90	22.98
		1	74	22.59	22.76	22.60
		36	0	21.09	21.71	21.68
		36	19	21.90	22.04	21.98
		36	39	21.71	21.79	21.85
		75	0	21.85	22.00	21.95
	16QAM	1	0	21.72	22.15	22.13
		1	37	21.86	22.18	21.95
		1	74	21.64	22.07	21.82
		36	0	21.06	20.93	20.84
		36	19	20.88	20.93	21.26
		36	39	21.07	21.11	20.97
		75	0	21.13	21.27	21.22
	64QAM	1	0	20.81	20.77	21.14
		1	37	20.90	21.00	21.03
		1	74	20.84	20.97	20.86
		36	0	19.86	20.10	19.74
		36	19	20.16	20.05	20.08
		36	39	19.90	19.97	20.25
		75	0	20.03	20.05	20.03
Band/BW	Modulation	RB Size	RB offset	Low CH 18700	Mid CH 18900	High CH 19100
				Frequency 1860 MHz	Frequency 1880 MHz	Frequency 1900 MHz
2/ 20	QPSK	1	0	22.81	22.95	23.00
		1	50	22.87	23.10	23.05
		1	99	22.74	22.85	22.79
		50	0	21.20	21.86	21.88
		50	25	21.96	22.10	22.06
		50	50	21.91	21.96	21.99
		100	0	21.94	22.07	22.01
	16QAM	1	0	21.93	22.15	22.23
		1	50	22.04	22.21	22.10
		1	99	21.66	22.07	21.90
		50	0	21.08	21.14	21.05
		50	25	20.99	20.97	21.32
		50	50	21.06	21.14	21.17
		100	0	21.24	21.40	21.27
	64QAM	1	0	20.98	20.97	21.25
		1	50	20.96	21.00	21.18
		1	99	20.94	21.07	20.91
		50	0	19.97	20.29	19.90

Test Report No.: RF260623B002

		50	25	20.23	20.04	20.25
		50	50	20.04	20.12	20.26
		100	0	20.15	20.24	20.23
LTE BAND 25						
Band/BW	Modulation	RB Size	RB offset	Low CH 26047	Mid CH 26365	High CH 26683
				Frequency 1850.7 MHz	Frequency 1882.5 MHz	Frequency 1914.3 MHz
25/ 1.4	QPSK	1	0	22.76	22.55	22.88
		1	2	22.85	22.95	23.02
		1	5	22.74	22.89	23.06
		3	0	22.85	22.61	22.99
		3	1	23.03	22.91	23.07
		3	3	22.76	22.56	22.75
		6	0	21.82	21.80	22.03
	16QAM	1	0	21.79	21.72	21.88
		1	2	22.01	21.84	21.99
		1	5	21.77	21.77	21.84
		3	0	21.76	21.57	22.25
		3	1	21.82	22.03	21.99
		3	3	21.88	21.51	21.91
		6	0	20.97	20.83	21.27
	64QAM	1	0	21.08	20.55	20.90
		1	2	20.88	21.11	20.87
		1	5	20.85	20.88	21.05
		3	0	20.98	20.79	21.15
		3	1	21.05	21.00	20.96
		3	3	20.92	20.82	20.87
		6	0	20.03	20.14	19.89
Band/BW	Modulation	RB Size	RB offset	Low CH 26055	Mid CH 26365	High CH 26675
				Frequency 1851.5 MHz	Frequency 1882.5 MHz	Frequency 1913.5 MHz
25/ 3	QPSK	1	0	22.83	22.58	22.91
		1	7	22.86	22.95	22.91
		1	14	22.74	22.93	22.91
		8	0	21.87	21.71	21.88
		8	3	22.04	21.84	21.96
		8	7	21.90	21.55	21.84
		15	0	21.82	21.94	21.90
	16QAM	1	0	21.92	21.77	21.88
		1	7	21.92	21.88	21.97
		1	14	21.69	21.84	21.93
		8	0	20.80	20.60	21.14
		8	3	20.91	20.93	20.93
		8	7	20.85	20.66	20.83
		15	0	20.90	20.88	21.32
	64QAM	1	0	21.10	20.68	20.93
		1	7	20.77	21.14	20.73
		1	14	20.68	20.89	21.14

Test Report No.: RF260623B002

		8	0	20.00	19.90	20.13
		8	3	19.90	19.88	20.07
		8	7	19.88	19.84	19.78
		15	0	20.16	20.02	19.89
LTE BAND 25						
Band/BW	Modulation	RB Size	RB offset	Low CH 26065	Mid CH 26365	High CH 26665
				Frequency 1852.5 MHz	Frequency 1882.5 MHz	Frequency 1912.5 MHz
25/ 5	QPSK	1	0	22.84	22.49	22.90
		1	12	22.86	22.80	23.03
		1	24	22.84	22.88	22.95
		12	0	21.90	21.76	21.82
		12	6	22.02	21.69	22.03
		12	13	21.76	21.48	21.68
		25	0	21.90	21.99	22.07
	16QAM	1	0	21.96	21.81	21.94
		1	12	21.93	21.84	21.96
		1	24	21.80	21.87	21.78
		12	0	20.85	20.72	21.18
		12	6	20.88	20.95	21.01
		12	13	20.79	20.46	20.78
		25	0	20.96	20.95	21.17
	64QAM	1	0	21.03	20.65	20.75
		1	12	20.97	21.04	20.83
		1	24	20.64	20.88	21.13
		12	0	19.89	19.79	20.17
		12	6	20.06	20.09	20.10
		12	13	19.92	19.68	19.87
		25	0	20.05	20.16	19.95
Band/BW	Modulation	RB Size	RB offset	Low CH 26090	Mid CH 26365	High CH 26640
				Frequency 1855 MHz	Frequency 1882.5 MHz	Frequency 1910 MHz
25/ 10	QPSK	1	0	22.79	22.56	22.81
		1	24	22.89	22.92	22.98
		1	49	22.83	22.85	22.90
		25	0	21.80	21.73	21.87
		25	12	22.05	21.84	21.97
		25	25	21.84	21.48	21.74
		50	0	21.94	21.90	22.08
	16QAM	1	0	21.96	21.82	21.91
		1	24	22.00	21.83	22.00
		1	49	21.67	21.82	21.92
		25	0	20.66	20.62	21.30
		25	12	20.83	21.02	20.89
		25	25	20.78	20.65	20.91
		50	0	20.93	20.95	21.24
	64QAM	1	0	21.02	20.58	20.76
		1	24	20.80	20.99	20.79

Test Report No.: RF260623B002

		1	49	20.63	20.94	21.10
		25	0	19.84	19.92	20.13
		25	12	20.05	20.04	20.14
		25	25	19.80	19.80	19.74
		50	0	20.21	19.99	19.96
LTE BAND 25						
Band/BW	Modulation	RB Size	RB offset	Low CH 26115	Mid CH 26365	High CH 26615
				Frequency 1857.5 MHz	Frequency 1882.5 MHz	Frequency 1907.5 MHz
25/ 15	QPSK	1	0	22.72	22.50	22.76
		1	37	22.87	22.88	22.91
		1	74	22.74	22.95	23.03
		36	0	21.80	21.66	21.98
		36	19	22.04	21.70	22.06
		36	39	21.75	21.57	21.82
		75	0	21.92	21.99	22.09
	16QAM	1	0	21.83	21.64	21.87
		1	37	21.95	21.80	21.94
		1	74	21.77	21.74	21.85
		36	0	20.87	20.52	21.30
		36	19	20.88	20.92	20.95
		36	39	20.80	20.62	20.90
		75	0	20.88	20.95	21.20
	64QAM	1	0	20.91	20.57	20.74
		1	37	20.93	21.00	20.78
		1	74	20.75	20.97	21.12
		36	0	19.80	19.73	20.06
		36	19	19.90	19.96	20.10
		36	39	19.78	19.80	19.88
		75	0	20.11	20.01	20.04
Band/BW	Modulation	RB Size	RB offset	Low CH 26140	Mid CH 26365	High CH 26590
				Frequency 1860 MHz	Frequency 1882.5 MHz	Frequency 1905 MHz
25/ 20	QPSK	1	0	22.85	22.66	22.95
		1	50	23.04	22.98	23.09
		1	99	22.84	22.94	23.05
		50	0	21.99	21.78	21.99
		50	25	22.05	21.90	22.08
		50	50	21.95	21.60	21.83
		100	0	22.01	22.00	22.10
	16QAM	1	0	21.97	21.81	22.05
		1	50	22.06	22.01	22.02
		1	99	21.82	21.90	21.96
		50	0	20.87	20.73	21.32
		50	25	21.00	21.02	21.04
		50	50	20.96	20.66	20.92
		100	0	21.03	20.96	21.38
	64QAM	1	0	21.12	20.75	20.95

Test Report No.: RF260623B002

		1	50	20.98	21.20	20.92
		1	99	20.84	21.05	21.16
		50	0	20.01	19.94	20.17
		50	25	20.05	20.08	20.15
		50	50	19.96	19.83	19.93
		100	0	20.23	20.18	20.08

n2 (SCS 15kHz)								
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High	MPR (dB)	Max. Tune-up (dBm)
		Channel		372000	376000	380000		
		Frequency (MHz)		1860	1880	1900		
20	Pi/2 BPSK	1	1	22.60	22.62	22.61	0	25.7
		1	53	22.38	22.57	22.28	0	25.7
		1	104	22.54	22.62	22.41	0	25.7
		50	0	22.11	21.95	21.98	0.5	25.2
		50	28	22.54	22.47	22.63	0	25.7
		50	56	21.81	22.17	21.78	0.5	25.2
		100	0	22.18	22.16	22.22	0.5	25.2
	QPSK	1	1	22.78	22.77	22.76	0	25.7
		1	53	22.51	22.46	22.50	0	25.7
		1	104	22.48	22.57	22.50	0	25.7
		50	0	21.58	21.60	21.69	1	24.7
		50	28	22.73	22.67	22.64	0	25.7
		50	56	21.61	21.73	21.37	1	24.7
		100	0	21.88	21.84	21.65	1	24.7
	16QAM	1	1	21.50	21.77	21.54	1	24.7
	64QAM	1	1	19.92	20.15	20.00	2.5	23.2
	256QAM	1	1	18.50	18.57	18.60	4.5	21.2
BW [MHz]	DFT-s-OFDM	Channel		371500	376000	380500	MPR (dB)	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5		
15	QPSK	1	1	22.64	22.59	22.63	0	25.7
BW [MHz]	DFT-s-OFDM	Channel		371000	376000	381000	MPR (dB)	Max. Tune-up
		Frequency (MHz)		1855	1880	1905		
10	QPSK	1	1	22.77	22.71	22.73	0	25.7
BW [MHz]	DFT-s-OFDM	Channel		370500	376000	381500	MPR (dB)	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5		
5	QPSK	1	1	22.57	22.77	22.74	0	25.7

Test Report No.: RF260623B002

n25 (SCS 15kHz)								
BW [MHz]	DFT-s-OFDM	RB Size	RB Offset	Low	Mid	High	MPR (dB)	Max. Tune-up (dBm)
		Channel		372000	376500	381000		
		Frequency (MHz)		1860	1882.5	1905		
20	Pi/2 BPSK	1	1	22.42	22.56	22.58	0	25.7
		1	53	22.47	22.34	22.37	0	25.7
		1	104	22.58	22.50	22.30	0	25.7
		50	0	21.85	21.85	21.89	0.5	25.2
		50	28	22.45	22.49	22.38	0	25.7
		50	56	22.00	22.12	21.96	0.5	25.2
		100	0	22.09	22.10	22.12	0.5	25.2
	QPSK	1	1	22.66	22.68	22.62	0	25.7
		1	53	22.59	22.61	22.58	0	25.7
		1	104	22.49	22.52	22.34	0	25.7
		50	0	21.46	21.59	21.60	1	24.7
		50	28	22.57	22.64	22.62	0	25.7
		50	56	21.65	21.57	21.53	1	24.7
		100	0	21.53	21.69	21.55	1	24.7
	16QAM	1	1	21.22	21.19	21.21	1	24.7
	64QAM	1	1	20.02	20.10	19.92	2.5	23.2
	256QAM	1	1	18.67	18.58	18.43	4.5	21.2
BW [MHz]	DFT-s-OFDM	Channel		371500	376500	381500	MPR (dB)	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5		
15	QPSK	1	1	22.66	22.62	22.48	0	25.7
BW [MHz]	DFT-s-OFDM	Channel		371000	376500	382000	MPR (dB)	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910		
10	QPSK	1	1	22.62	22.63	22.60	0	25.7
BW [MHz]	DFT-s-OFDM	Channel		370500	376500	382500	MPR (dB)	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5		
5	QPSK	1	1	22.51	22.56	22.47	0	25.7

LTE BAND 2						
1.4MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18607	1850.7	22.91	1.35	24.26	266.69	2
18900	1880.0	23.08	1.35	24.43	277.33	2
19193	1909.3	23.03	1.35	24.38	274.16	2

1.4MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18607	1850.7	22.03	1.35	23.38	217.77	2
18900	1880.0	22.13	1.35	23.48	222.84	2
19193	1909.3	22.24	1.35	23.59	228.56	2

1.4MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18607	1850.7	21.20	1.35	22.55	179.89	2
18900	1880	21.24	1.35	22.59	181.55	2
19193	1909.3	21.26	1.35	22.61	182.39	2

3MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18615	1851.5	22.72	1.35	24.07	255.27	2
18900	1880	23.04	1.35	24.39	274.79	2
19185	1908.5	23.03	1.35	24.38	274.16	2

3MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18615	1851.5	21.95	1.35	23.30	213.80	2
18900	1880	22.06	1.35	23.41	219.28	2
19185	1908.5	22.23	1.35	23.58	228.03	2

Test Report No.: RF260623B002

3MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18615	1851.5	20.92	1.35	22.27	168.66	2
18900	1880	20.88	1.35	22.23	167.11	2
19185	1908.5	21.11	1.35	22.46	176.20	2

5MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18625	1852.5	22.78	1.35	24.13	258.82	2
18900	1880	23.00	1.35	24.35	272.27	2
19175	1907.5	22.85	1.35	24.20	263.03	2

5MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18625	1852.5	21.96	1.35	23.31	214.29	2
18900	1880	22.14	1.35	23.49	223.36	2
19175	1907.5	22.14	1.35	23.49	223.36	2

5MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18625	1852.5	20.94	1.35	22.29	169.43	2
18900	1880	21.03	1.35	22.38	172.98	2
19175	1907.5	21.22	1.35	22.57	180.72	2

10MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855	22.73	1.35	24.08	255.86	2
18900	1880	23.06	1.35	24.41	276.06	2
19150	1905	22.96	1.35	24.31	269.77	2

10MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855	21.85	1.35	23.20	208.93	2
18900	1880	22.15	1.35	23.50	223.87	2
19150	1905	22.23	1.35	23.58	228.03	2

Test Report No.: RF260623B002

10MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18650	1855	20.93	1.35	22.28	169.04	2
18900	1880	20.97	1.35	22.32	170.61	2
19150	1905	21.12	1.35	22.47	176.60	2

15MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	22.76	1.35	24.11	257.63	2
18900	1880	22.93	1.35	24.28	267.92	2
19125	1902.5	22.98	1.35	24.33	271.02	2

15MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	21.86	1.35	23.21	209.41	2
18900	1880	22.18	1.35	23.53	225.42	2
19125	1902.5	22.13	1.35	23.48	222.84	2

15MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18675	1857.5	20.90	1.35	22.25	167.88	2
18900	1880	21.00	1.35	22.35	171.79	2
19125	1902.5	21.14	1.35	22.49	177.42	2

20MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	22.87	1.35	24.22	264.24	2
18900	1880	23.10	1.35	24.45	278.61	2
19100	1900	23.05	1.35	24.40	275.42	2

20MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	22.04	1.35	23.39	218.27	2
18900	1880	22.21	1.35	23.56	226.99	2
19100	1900	22.23	1.35	23.58	228.03	2

Test Report No.: RF260623B002

20MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
18700	1860	20.98	1.35	22.33	171.00	2
18900	1880	21.07	1.35	22.42	174.58	2
19100	1900	21.25	1.35	22.60	181.97	2

LTE BAND 25						
1.4MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26047	1850.7	23.03	1.22	24.25	266.07	2
26340	1880	22.95	1.22	24.17	261.22	2
26683	1914.3	23.07	1.22	24.29	268.53	2

1.4MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26047	1850.7	22.01	1.22	23.23	210.38	2
26340	1880	22.03	1.22	23.25	211.35	2
26683	1914.3	22.25	1.22	23.47	222.33	2

1.4MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26047	1850.7	21.08	1.22	22.30	169.82	2
26340	1880	21.11	1.22	22.33	171.00	2
26683	1914.3	21.15	1.22	22.37	172.58	2

3MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26055	1851.5	22.86	1.22	24.08	255.86	2
26340	1880	22.95	1.22	24.17	261.22	2
26675	1913.5	22.91	1.22	24.13	258.82	2

3MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26055	1851.5	21.92	1.22	23.14	206.06	2
26340	1880	21.88	1.22	23.10	204.17	2
26675	1913.5	21.97	1.22	23.19	208.45	2

Test Report No.: RF260623B002

3MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26055	1851.5	21.10	1.22	22.32	170.61	2
26340	1880	21.14	1.22	22.36	172.19	2
26675	1913.5	21.14	1.22	22.36	172.19	2

5MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26065	1852.5	22.86	1.22	24.08	255.86	2
26340	1880	22.88	1.22	24.10	257.04	2
26665	1912.5	23.03	1.22	24.25	266.07	2

5MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26065	1852.5	21.96	1.22	23.18	207.97	2
26340	1880	21.87	1.22	23.09	203.70	2
26665	1912.5	21.96	1.22	23.18	207.97	2

5MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26065	1852.5	21.03	1.22	22.25	167.88	2
26340	1880	21.04	1.22	22.26	168.27	2
26665	1912.5	21.13	1.22	22.35	171.79	2

10MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26090	1855	22.89	1.22	24.11	257.63	2
26340	1880	22.92	1.22	24.14	259.42	2
26640	1910	22.98	1.22	24.20	263.03	2

10MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26090	1855	22.00	1.22	23.22	209.89	2
26340	1880	21.83	1.22	23.05	201.84	2
26640	1910	22.00	1.22	23.22	209.89	2

10MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26090	1855	21.02	1.22	22.24	167.49	2
26340	1880	20.99	1.22	22.21	166.34	2
26640	1910	21.10	1.22	22.32	170.61	2

15MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26115	1857.5	22.87	1.22	24.09	256.45	2
26340	1880	22.95	1.22	24.17	261.22	2
26615	1907.5	23.03	1.22	24.25	266.07	2

15MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26115	1857.5	21.95	1.22	23.17	207.49	2
26340	1880	21.80	1.22	23.02	200.45	2
26615	1907.5	21.94	1.22	23.16	207.01	2

15MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26115	1857.5	20.93	1.22	22.15	164.06	2
26340	1880	21.00	1.22	22.22	166.72	2
26615	1907.5	21.12	1.22	22.34	171.40	2

20MHz QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26140	1860	23.04	1.22	24.26	266.69	2
26340	1880	22.98	1.22	24.20	263.03	2
26590	1905	23.09	1.22	24.31	269.77	2

20MHz 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26140	1860	22.06	1.22	23.28	212.81	2
26340	1880	22.01	1.22	23.23	210.38	2
26590	1905	22.05	1.22	23.27	212.32	2

Test Report No.: RF260623B002

20MHz 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
26140	1860	21.12	1.22	22.34	171.40	2
26340	1880	21.20	1.22	22.42	174.58	2
26590	1905	21.16	1.22	22.38	172.98	2

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

n2 (SCS 15kHz)							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-Pi/2 BPSK	372000	1860	22.60	1.35	23.95	248.31	2
	376000	1880	22.62	1.35	23.97	249.46	2
	380000	1900	22.63	1.35	23.98	250.03	2
20M-QPSK	372000	1860	22.78	1.35	24.13	258.82	2
	376000	1880	22.77	1.35	24.12	258.23	2
	380000	1900	22.76	1.35	24.11	257.63	2
20M-16QAM	372000	1860	21.50	1.35	22.85	192.75	2
	376000	1880	21.77	1.35	23.12	205.12	2
	380000	1900	21.54	1.35	22.89	194.54	2
20M-64QAM	372000	1860	19.92	1.35	21.27	133.97	2
	376000	1880	20.15	1.35	21.50	141.25	2
	380000	1900	20.00	1.35	21.35	136.46	2
20M-256QAM	372000	1860	18.50	1.35	19.85	96.61	2
	376000	1880	18.57	1.35	19.92	98.17	2
	380000	1900	18.60	1.35	19.95	98.86	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	371500	1857.5	22.64	1.35	23.99	250.61	2
	376000	1880	22.59	1.35	23.94	247.74	2
	380500	1902.5	22.63	1.35	23.98	250.03	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	371000	1855	22.77	1.35	24.12	258.23	2
	376000	1880	22.71	1.35	24.06	254.68	2
	381000	1905	22.73	1.35	24.08	255.86	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	370500	1852.5	22.57	1.35	23.92	246.60	2
	376000	1880	22.77	1.35	24.12	258.23	2
	381500	1907.5	22.74	1.35	24.09	256.45	2

Test Report No.: RF260623B002

n25 (SCS 15kHz)							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20M-Pi/2 BPSK	372000	1860	22.58	1.35	23.93	247.17	2
	376500	1882.5	22.56	1.35	23.91	246.04	2
	381000	1905	22.58	1.35	23.93	247.17	2
20M-QPSK	372000	1860	22.66	1.35	24.01	251.77	2
	376500	1882.5	22.68	1.35	24.03	252.93	2
	381000	1905	22.62	1.35	23.97	249.46	2
20M- 16QAM	372000	1860	21.22	1.35	22.57	180.72	2
	376500	1882.5	21.19	1.35	22.54	179.47	2
	381000	1905	21.21	1.35	22.56	180.30	2
20M- 64QAM	372000	1860	20.02	1.35	21.37	137.09	2
	376500	1882.5	20.10	1.35	21.45	139.64	2
	381000	1905	19.92	1.35	21.27	133.97	2
20M- 256QAM	372000	1860	18.67	1.35	20.02	100.46	2
	376500	1882.5	18.58	1.35	19.93	98.40	2
	381000	1905	18.43	1.35	19.78	95.06	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
15M-QPSK	371500	1857.5	22.66	1.35	24.01	251.77	2
	376500	1882.5	22.62	1.35	23.97	249.46	2
	381500	1907.5	22.48	1.35	23.83	241.55	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
10M-QPSK	371000	1855	22.62	1.35	23.97	249.46	2
	376500	1882.5	22.63	1.35	23.98	250.03	2
	382000	1910	22.60	1.35	23.95	248.31	2
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
5M-QPSK	370500	1852.5	22.51	1.35	23.86	243.22	2
	376500	1882.5	22.56	1.35	23.91	246.04	2
	382500	1912.5	22.47	1.35	23.82	240.99	2

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

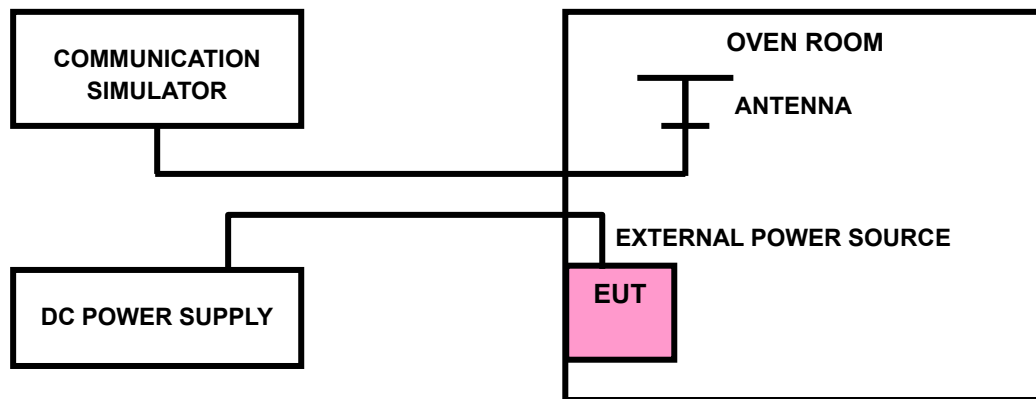
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

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 Appendix of this test report.

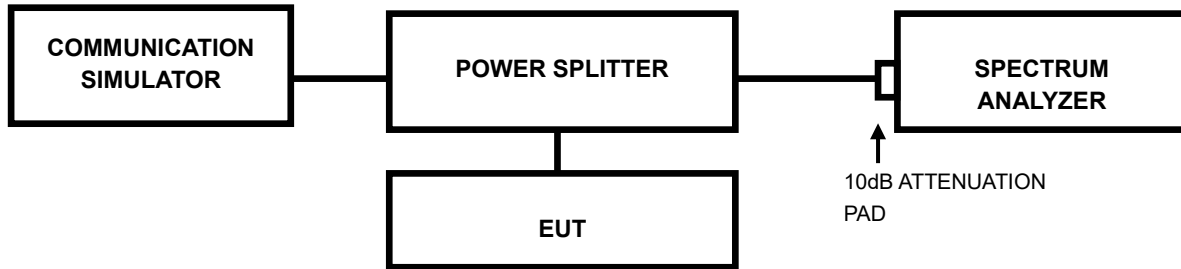
Note: VL = Low voltage(3.3V); VN/NV = Normal voltage(3.8V); VH = High voltage(4.35V); NT = Normal temperature (25°C)

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

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

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

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

3.3.4 TEST RESULTS

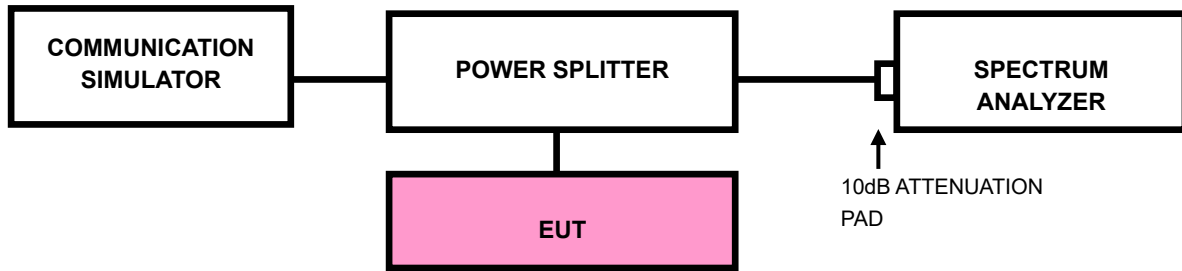
Please Refer to Appendix of this test report.

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



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 Appendix of this test report.

3.5 CONDUCTED SPURIOUS EMISSIONS

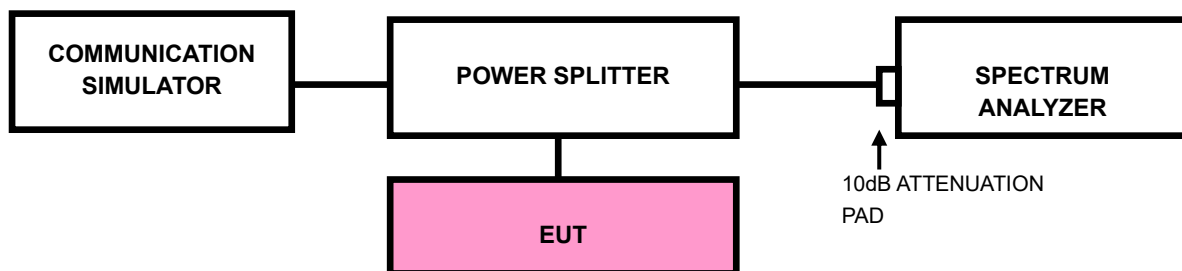
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

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

3.5.2 TEST PROCEDURE

- 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 Appendix of this test report.

3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

3.6.2 TEST PROCEDURES

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

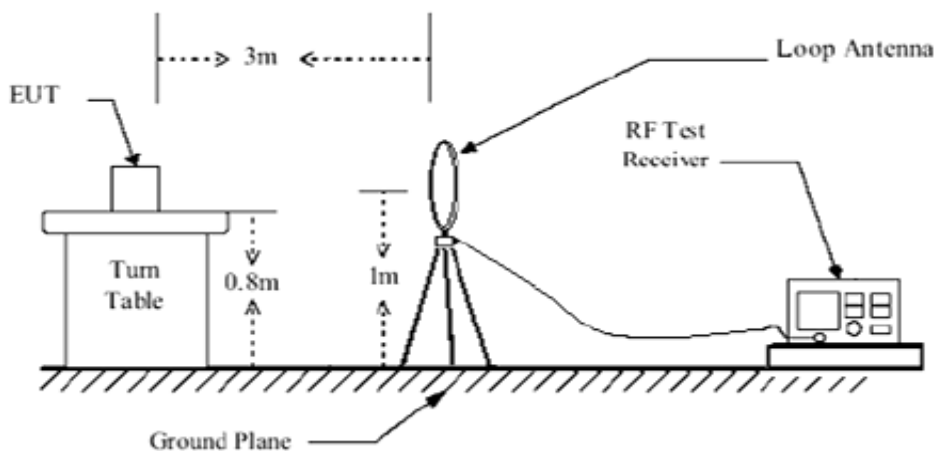
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

3.6.3 DEVIATION FROM TEST STANDARD

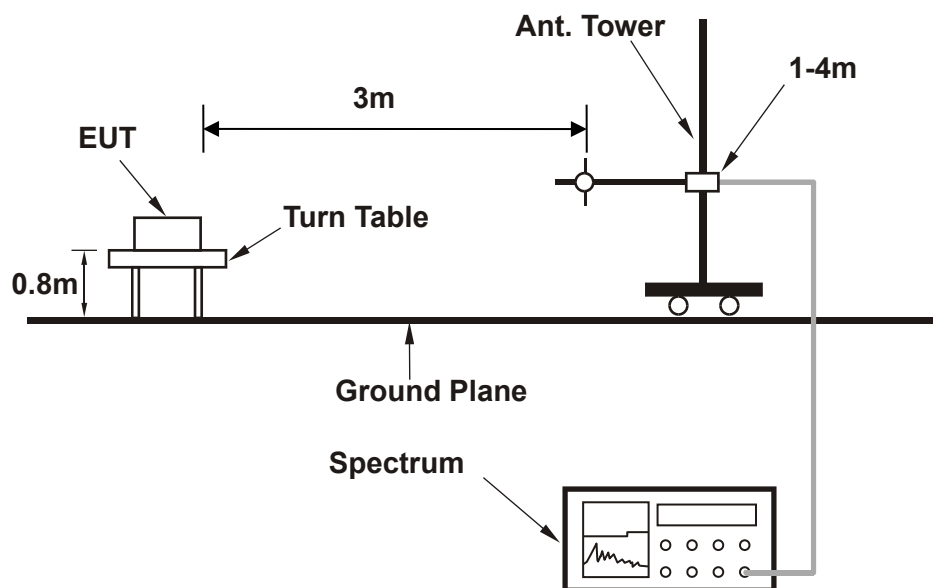
No deviation

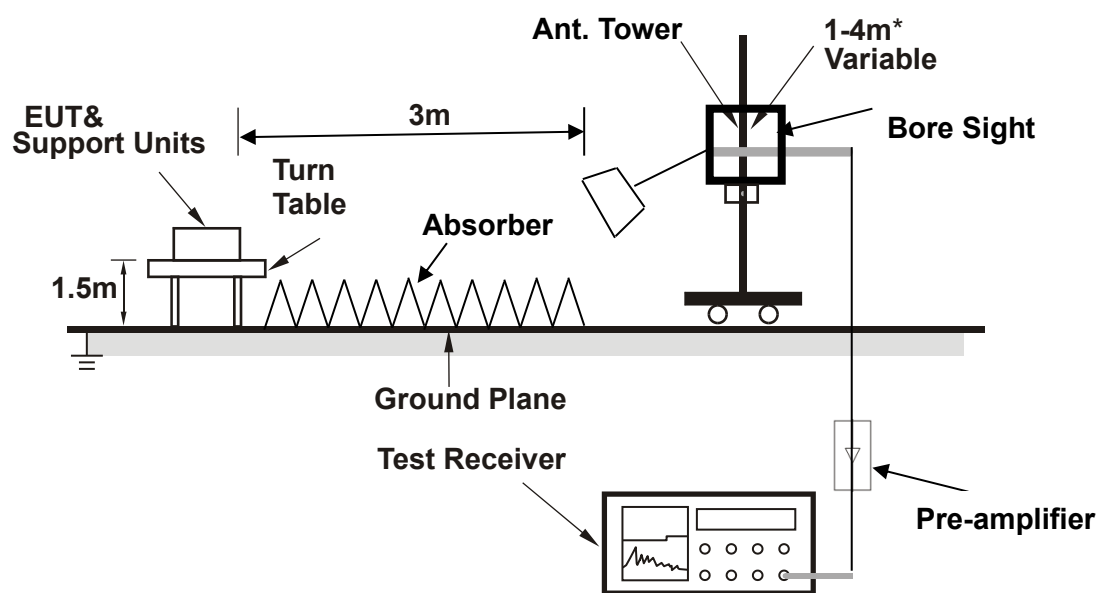
3.6.4 TEST SETUP

< 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.

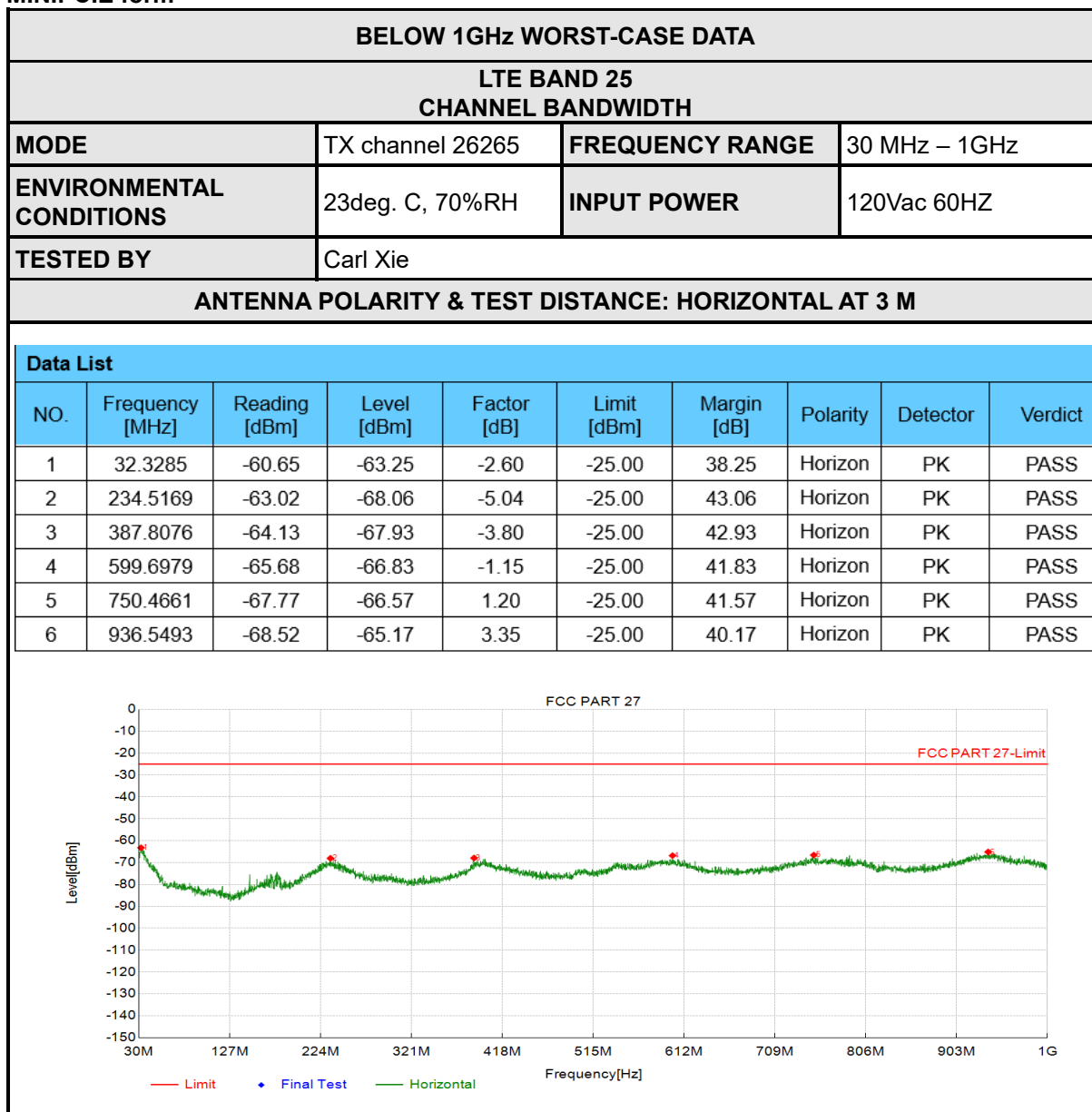
For the actual test configuration, please refer to the attached file (Test Setup Photo).

Test Report No.: RF260623B002

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.

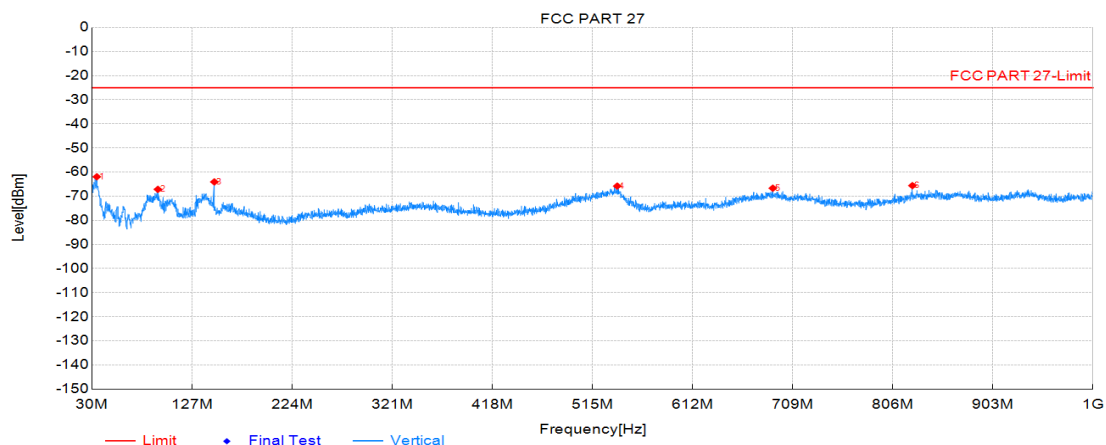
MINIPICIE form



MODE	TX channel 26265	FREQUENCY RANGE	30 MHz – 1GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	120Vac 60HZ
TESTED BY	Carl Xie		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	34.6569	-49.72	-61.94	-12.22	-25.00	36.94	Vertical	PK	PASS
2	93.8388	-53.88	-67.16	-13.28	-25.00	42.16	Vertical	PK	PASS
3	148.5577	-54.17	-64.07	-9.90	-25.00	39.07	Vertical	PK	PASS
4	538.9638	-66.10	-65.80	0.30	-25.00	40.80	Vertical	PK	PASS
5	689.7319	-66.57	-66.67	-0.10	-25.00	41.67	Vertical	PK	PASS
6	824.977	-65.48	-65.62	-0.14	-25.00	40.62	Vertical	PK	PASS



ABOVE 1GHz DATA

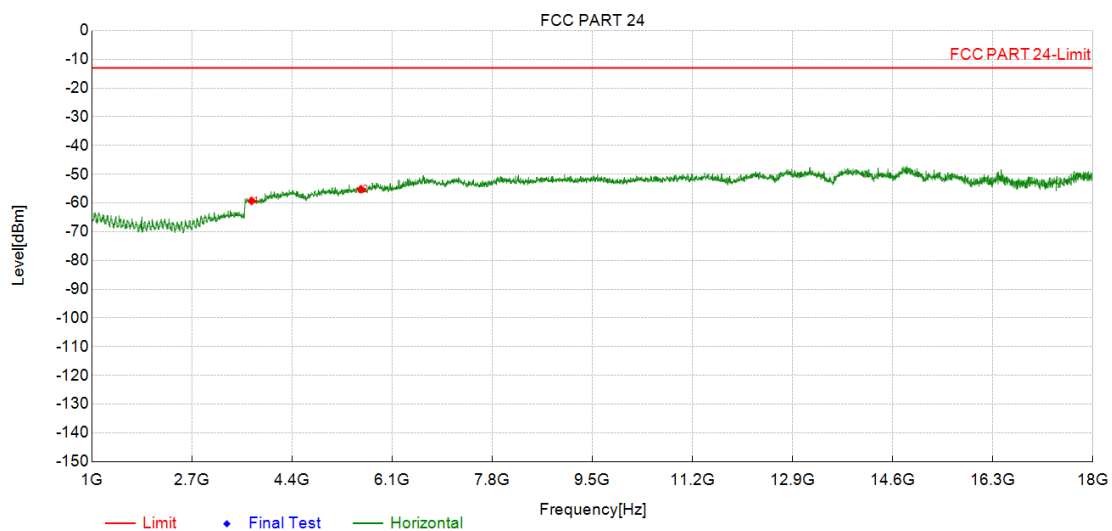
Note: For higher frequency, the emission is too low to be detected.

LTE Band 2

CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 18650
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

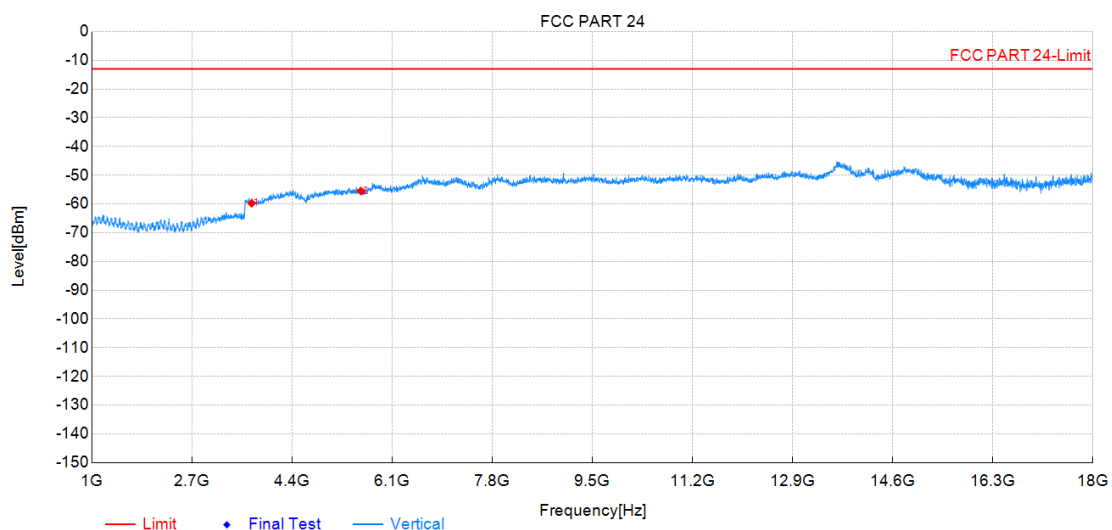
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3710.3421	-57.81	-59.26	-1.45	-13.00	46.26	Horizontal	PK	PASS
2	5567.1134	-59.43	-55.20	4.23	-13.00	42.20	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 18650
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

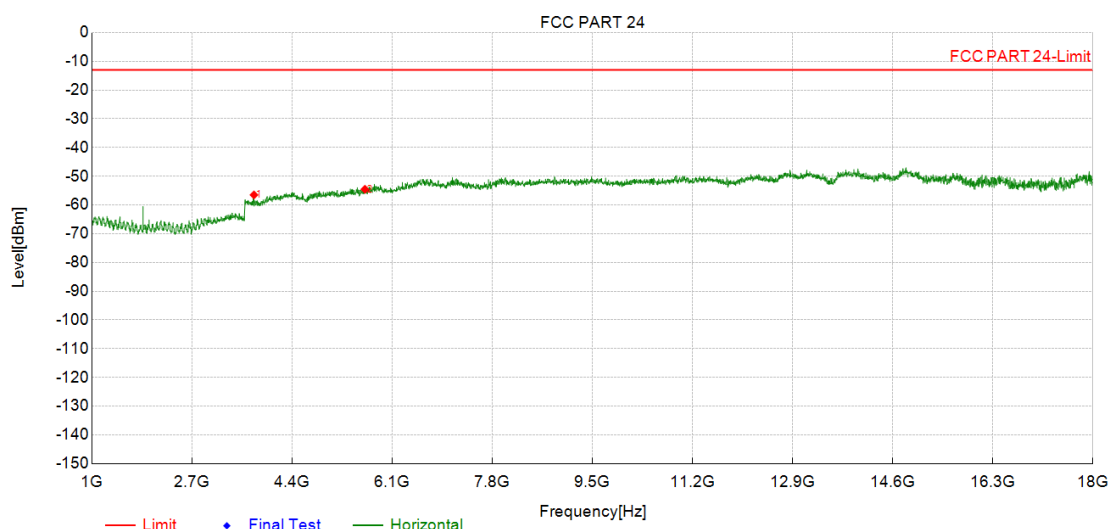
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3710.3421	-58.33	-59.75	-1.42	-13.00	46.75	Vertical	PK	PASS
2	5567.1134	-59.43	-55.48	3.95	-13.00	42.48	Vertical	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 18900
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

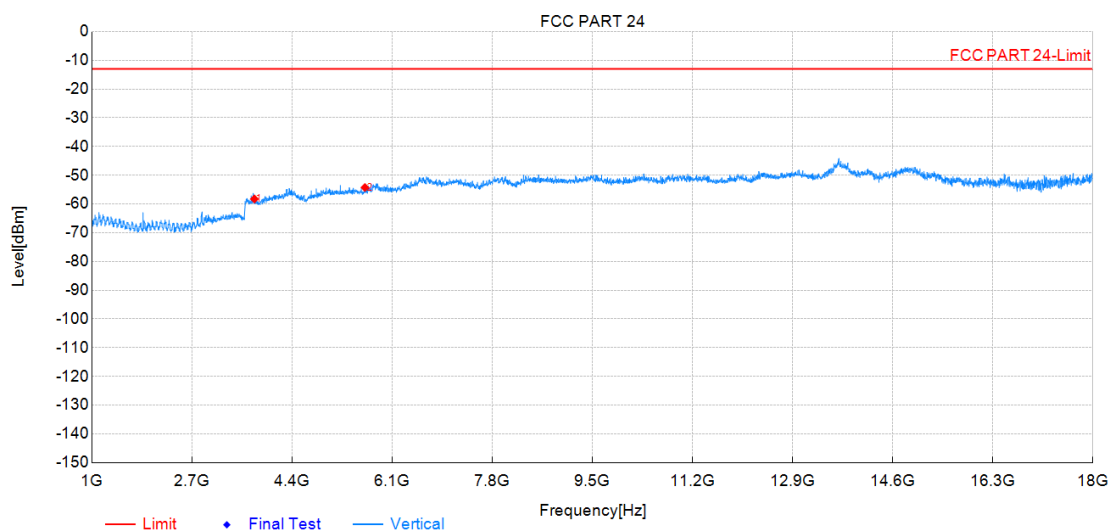
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3751.1502	-55.33	-56.48	-1.15	-13.00	43.48	Horizontal	PK	PASS
2	5635.127	-59.10	-54.53	4.57	-13.00	41.53	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 18900
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	3757.9516	-57.17	-58.24	-1.07	-13.00	45.24	Vertical	PK	PASS
2	5635.127	-58.69	-54.26	4.43	-13.00	41.26	Vertical	PK	PASS

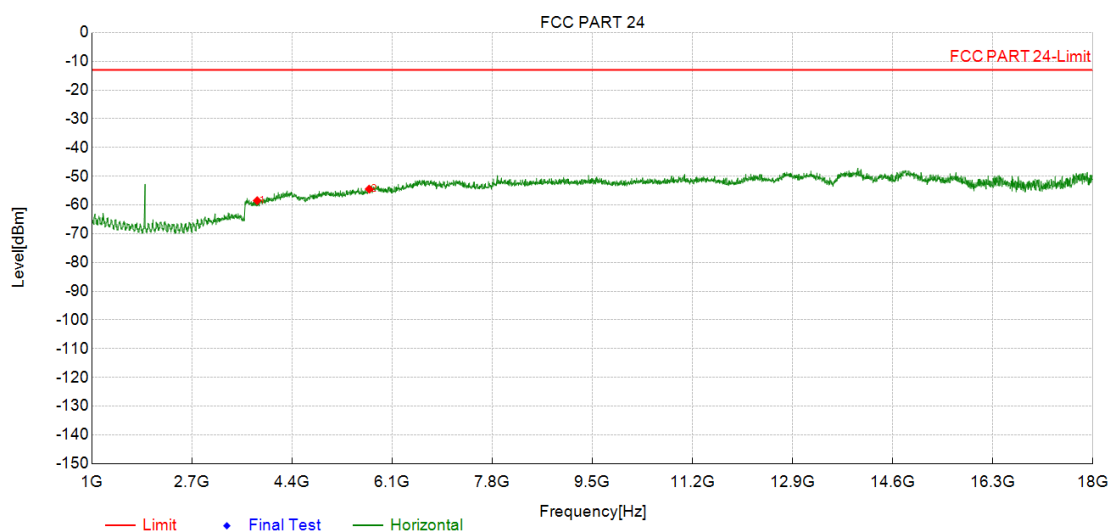


Test Report No.: RF260623B002

CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 19150
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

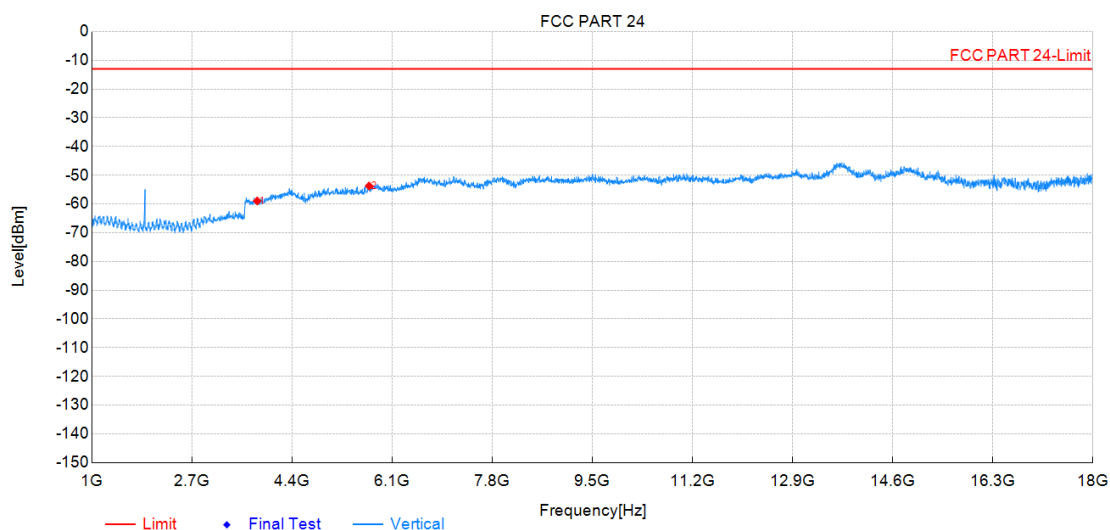
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3805.5611	-57.72	-58.47	-0.75	-13.00	45.47	Horizontal	PK	PASS
2	5706.5413	-59.68	-54.47	5.21	-13.00	41.47	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 19150
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	3805.5611	-58.16	-58.93	-0.77	-13.00	45.93	Vertical	PK	PASS
2	5706.5413	-58.96	-53.73	5.23	-13.00	40.73	Vertical	PK	PASS



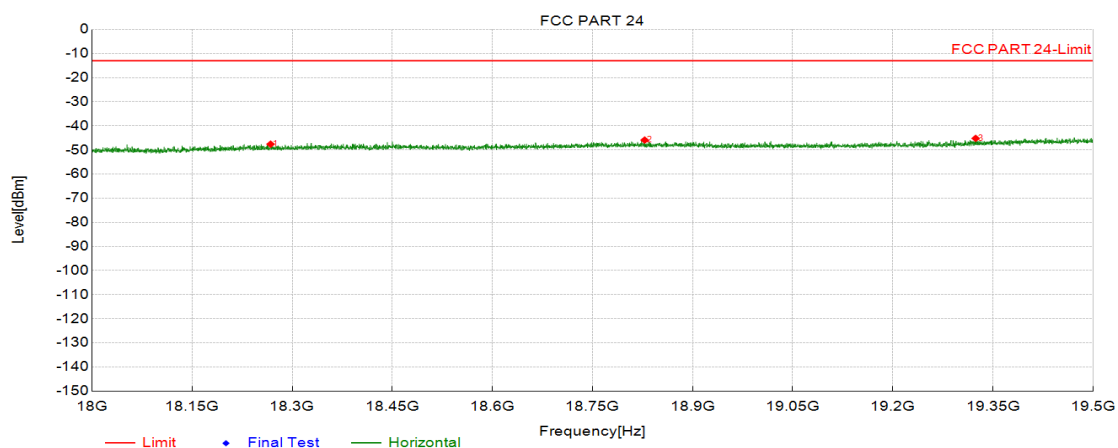
Test Report No.: RF260623B002

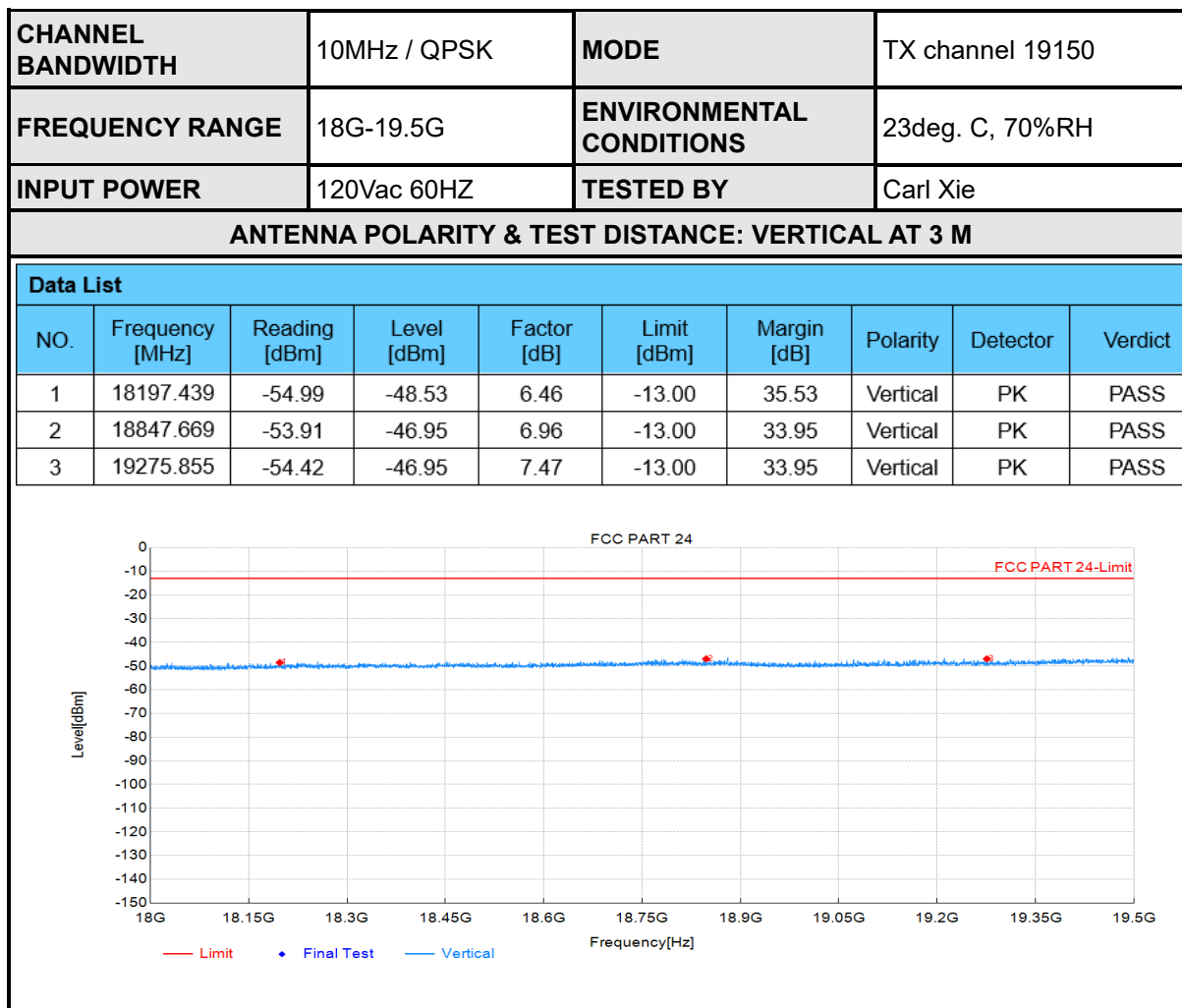
CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 19150
FREQUENCY RANGE	18G-19.5G	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

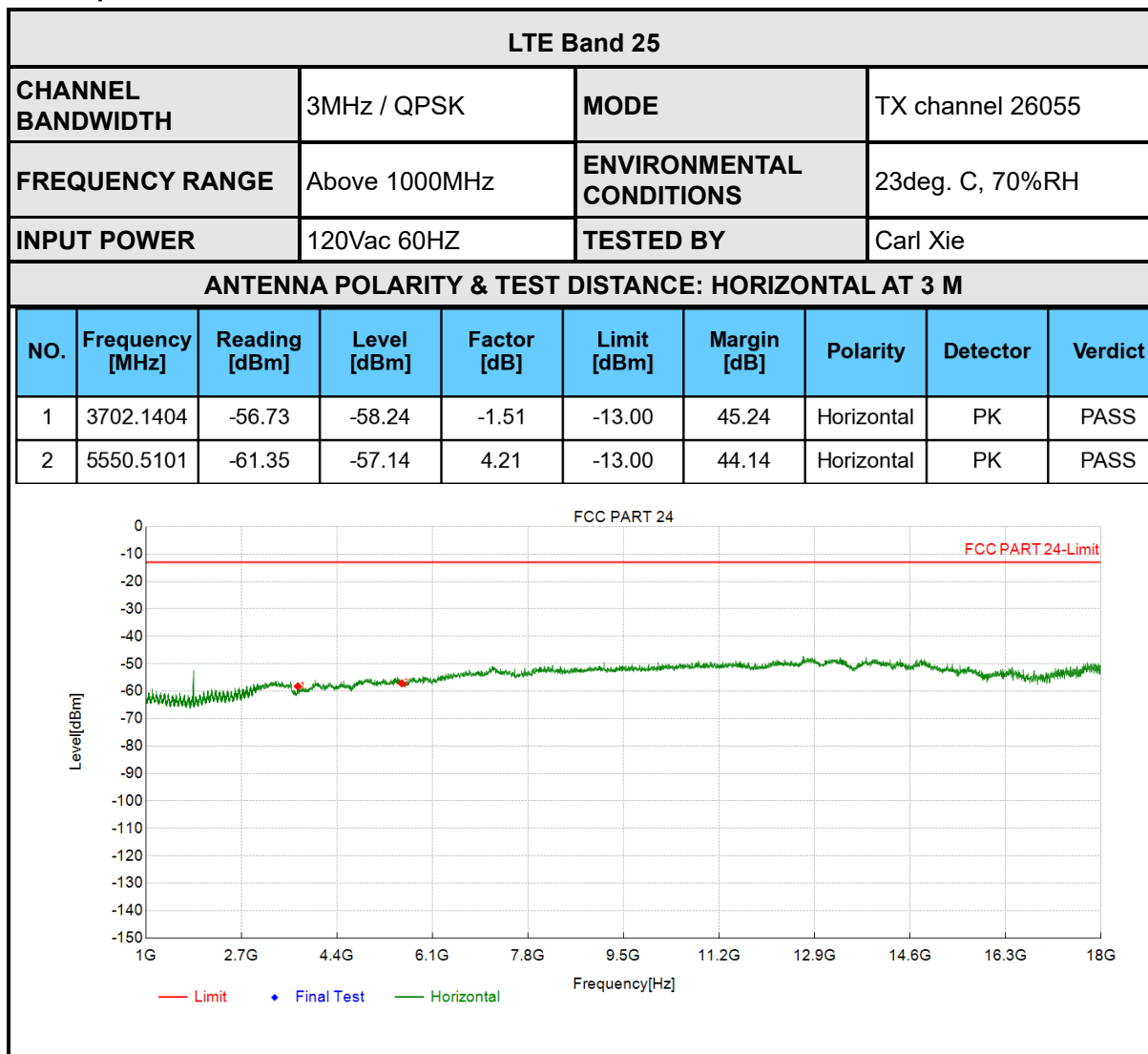
Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	18267.653	-55.32	-47.58	7.74	-13.00	34.58	Horizon	PK	PASS
2	18828.165	-54.27	-45.89	8.38	-13.00	32.89	Horizon	PK	PASS
3	19324.164	-54.15	-45.18	8.97	-13.00	32.18	Horizon	PK	PASS





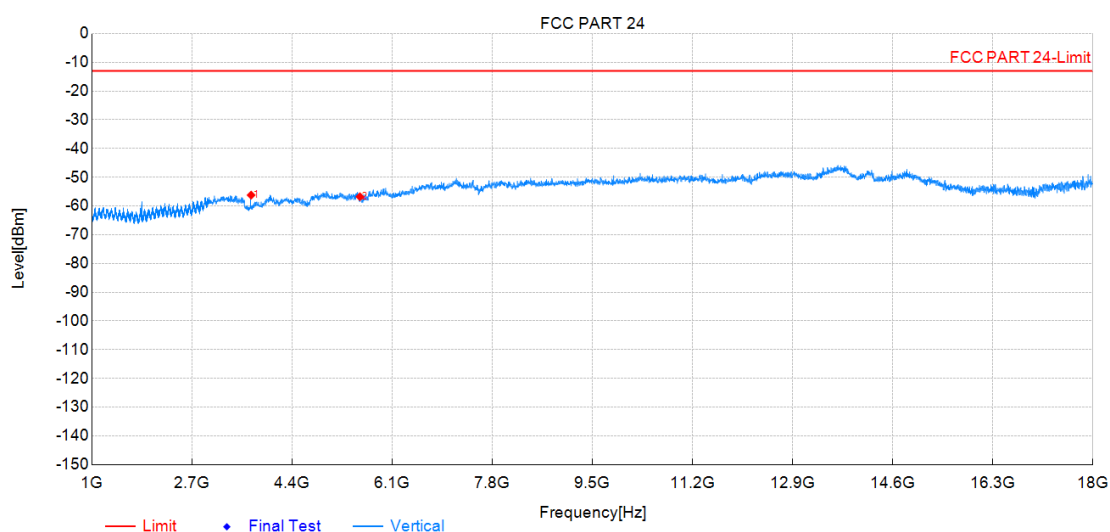
Test Report No.: RF260623B002



CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26055
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	3702.1404	-54.72	-56.20	-1.48	-13.00	43.20	Vertical	PK	PASS
2	5550.5101	-60.71	-56.76	3.95	-13.00	43.76	Vertical	PK	PASS

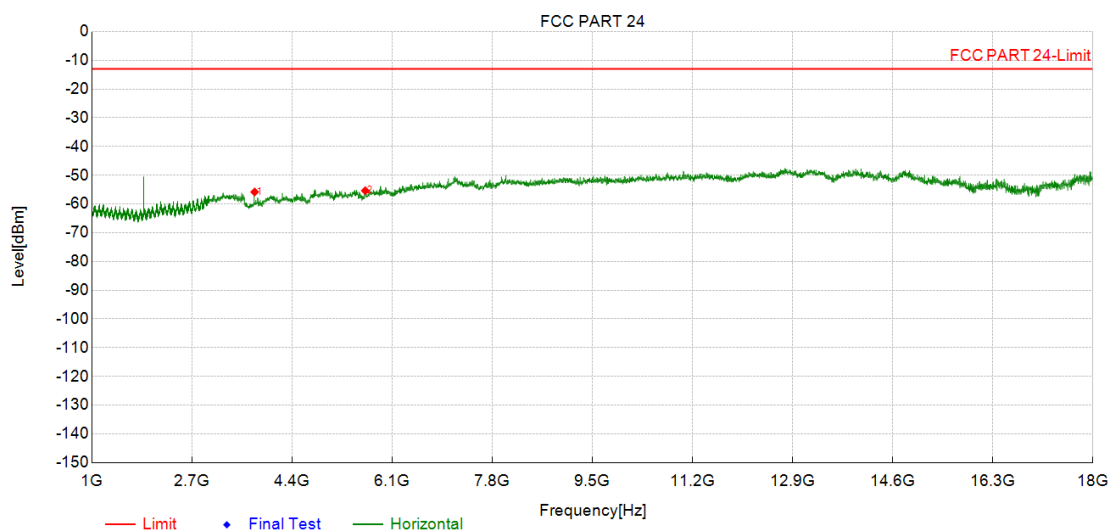


Test Report No.: RF260623B002

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

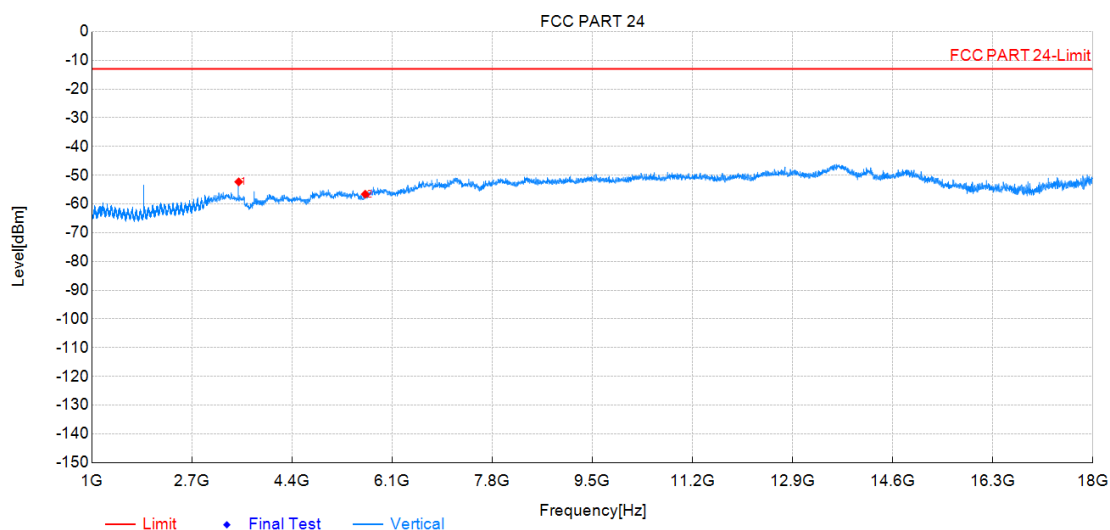
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3762.1524	-54.74	-55.81	-1.07	-13.00	42.81	Horizontal	PK	PASS
2	5640.5281	-60.01	-55.36	4.65	-13.00	42.36	Horizontal	PK	PASS



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	3492.0984	-50.07	-52.29	-2.22	-13.00	39.29	Vertical	PK	PASS
2	5640.5281	-61.07	-56.58	4.49	-13.00	43.58	Vertical	PK	PASS

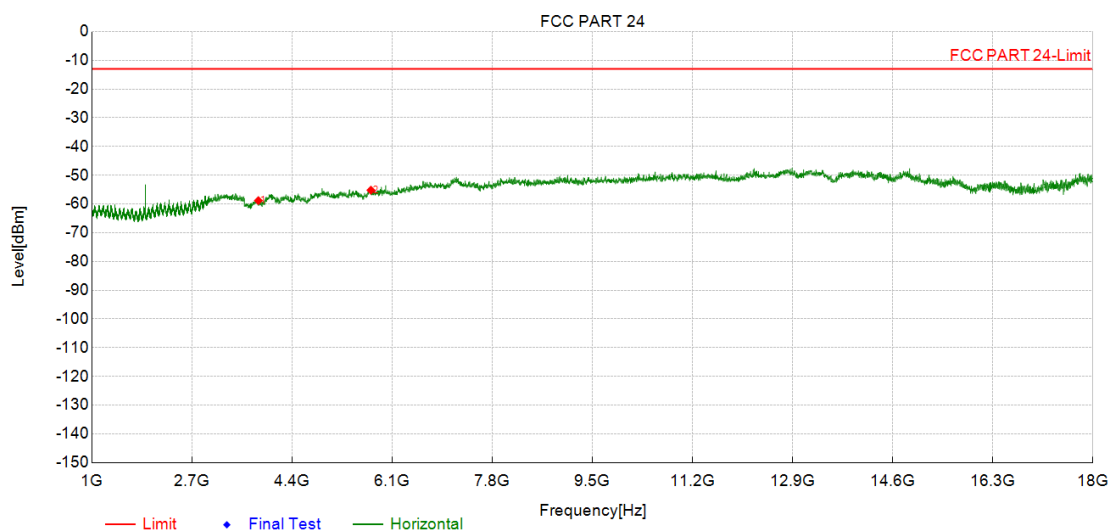


Test Report No.: RF260623B002

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26675
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

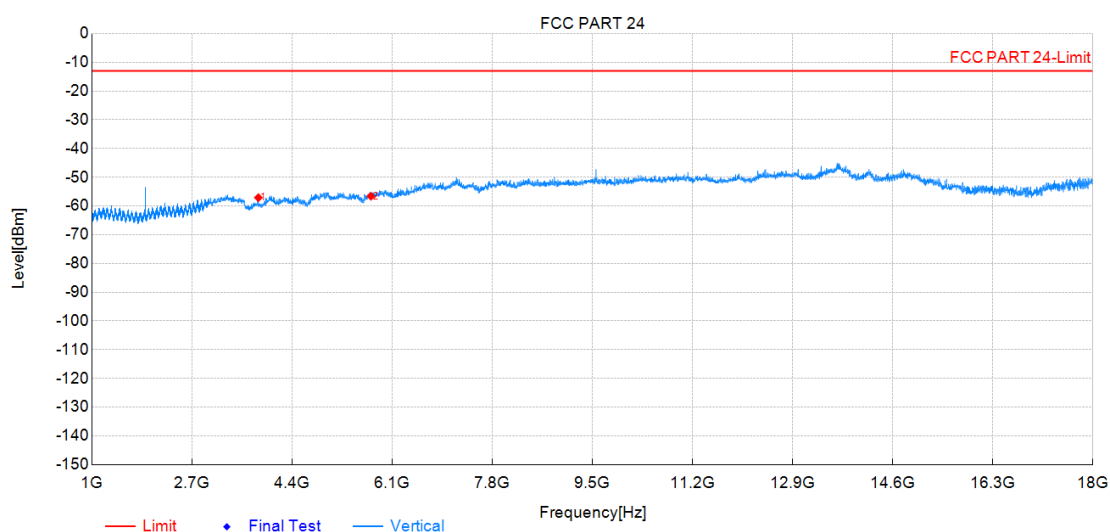
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3825.165	-58.14	-58.81	-0.67	-13.00	45.81	Horizontal	PK	PASS
2	5736.5473	-60.65	-55.17	5.48	-13.00	42.17	Horizontal	PK	PASS



CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26675
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	3825.165	-56.39	-57.09	-0.70	-13.00	44.09	Vertical	PK	PASS
2	5736.5473	-62.20	-56.59	5.61	-13.00	43.59	Vertical	PK	PASS



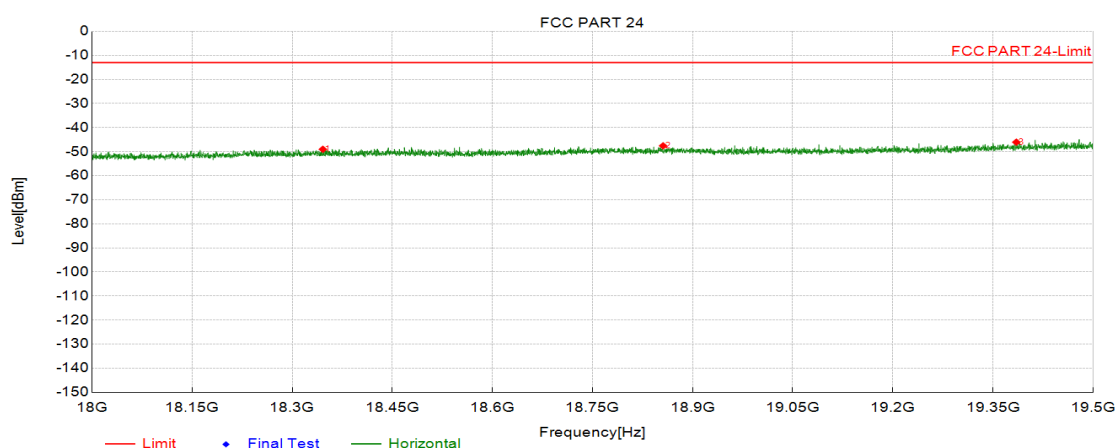
Test Report No.: RF260623B002

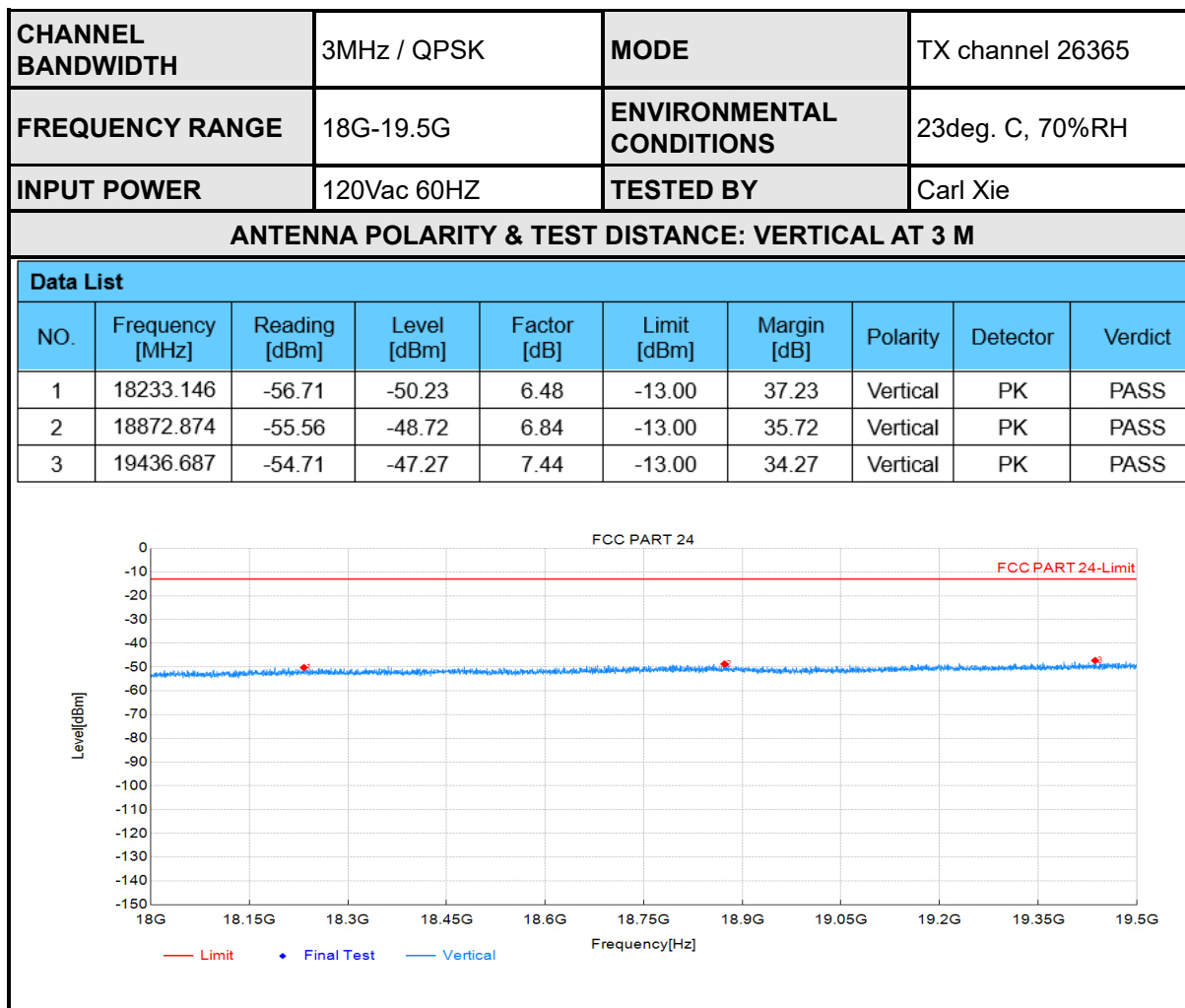
CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26365
FREQUENCY RANGE	18G-19.5G	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	18345.969	-56.98	-49.02	7.96	-13.00	36.02	Horizon	PK	PASS
2	18855.771	-55.88	-47.57	8.31	-13.00	34.57	Horizon	PK	PASS
3	19385.077	-55.23	-46.05	9.18	-13.00	33.05	Horizon	PK	PASS





Test Report No.: RF260623B002

N2									
CHANNEL BANDWIDTH	20MHz/QPSK		MODE		TX channel 372000				
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									
Data List									
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3702.1404	-52.91	-54.42	-1.51	-13.00	41.42	Horizon	PK	PASS
2	5550.5101	-45.60	-41.39	4.21	-13.00	28.39	Horizon	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

— Limit • Final Test — Horizontal

FCC PART 24-Limit

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 372000						
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									
Data List									
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	2993.5987	-45.90	-49.27	-3.37	-13.00	36.27	Vertical	PK	PASS
2	3720.144	-57.44	-58.79	-1.35	-13.00	45.79	Vertical	PK	PASS
3	5550.5101	-52.19	-48.24	3.95	-13.00	35.24	Vertical	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

Limit Final Test Vertical

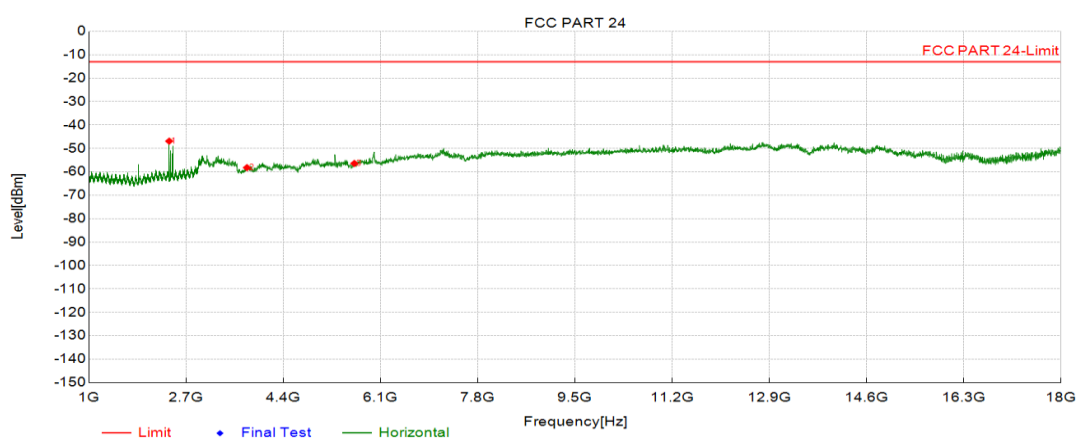
Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 376000
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

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	2402.2805	-40.40	-46.90	-6.50	-13.00	33.90	Horizon	PK	PASS
2	3762.1524	-57.13	-58.20	-1.07	-13.00	45.20	Horizon	PK	PASS
3	5640.5281	-61.07	-56.42	4.65	-13.00	43.42	Horizon	PK	PASS



CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 376000						
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									
Data List									
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	2993.9988	-45.39	-48.75	-3.36	-13.00	35.75	Vertical	PK	PASS
2	3762.1524	-57.67	-58.74	-1.07	-13.00	45.74	Vertical	PK	PASS
3	5640.5281	-60.68	-56.19	4.49	-13.00	43.19	Vertical	PK	PASS
4	5979.5959	-53.98	-48.31	5.67	-13.00	35.31	Vertical	PK	PASS

FCC PART 24

Level [dBm]

Frequency [Hz]

Legend: — Limit • Final Test — Vertical

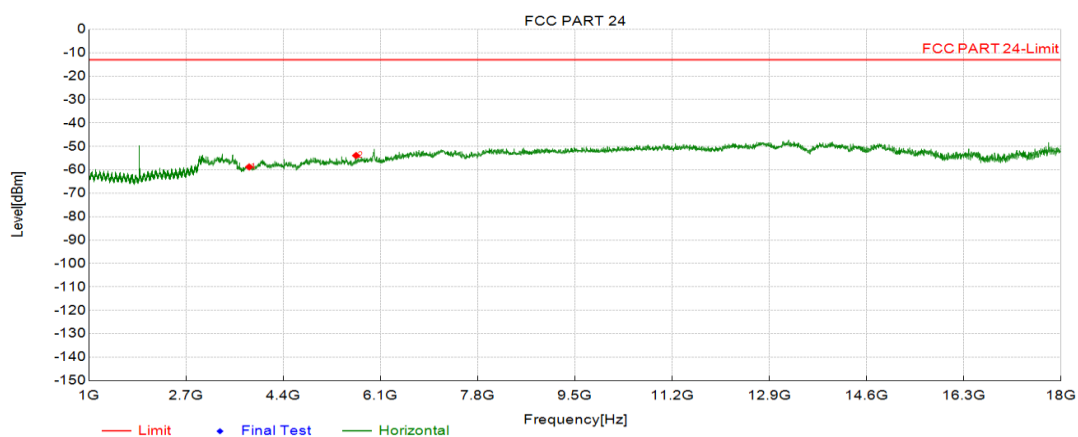
Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 380000
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

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3801.1602	-57.97	-58.77	-0.80	-13.00	45.77	Horizon	PK	PASS
2	5670.5341	-58.78	-53.89	4.89	-13.00	40.89	Horizon	PK	PASS



CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 380000						
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									
Data List									
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	2985.9972	-46.91	-50.33	-3.42	-13.00	37.33	Vertical	PK	PASS
2	3801.1602	-57.40	-58.21	-0.81	-13.00	45.21	Vertical	PK	PASS
3	5670.5341	-56.02	-51.22	4.80	-13.00	38.22	Vertical	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

Legend: — Limit • Final Test — Vertical

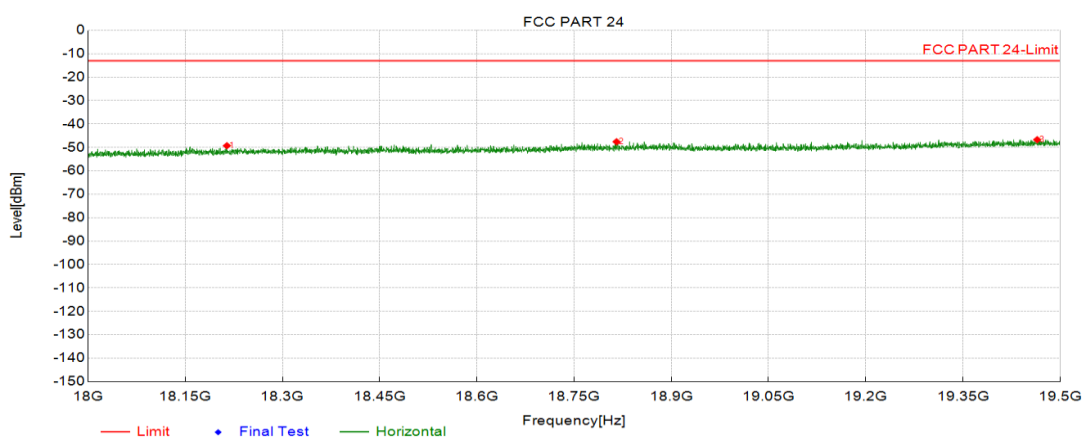
Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 372000
FREQUENCY RANGE	18G-19.5G	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	18214.242	-56.87	-49.28	7.59	-13.00	36.28	Horizon	PK	PASS
2	18815.563	-55.99	-47.58	8.41	-13.00	34.58	Horizon	PK	PASS
3	19464.592	-56.02	-46.70	9.32	-13.00	33.70	Horizon	PK	PASS



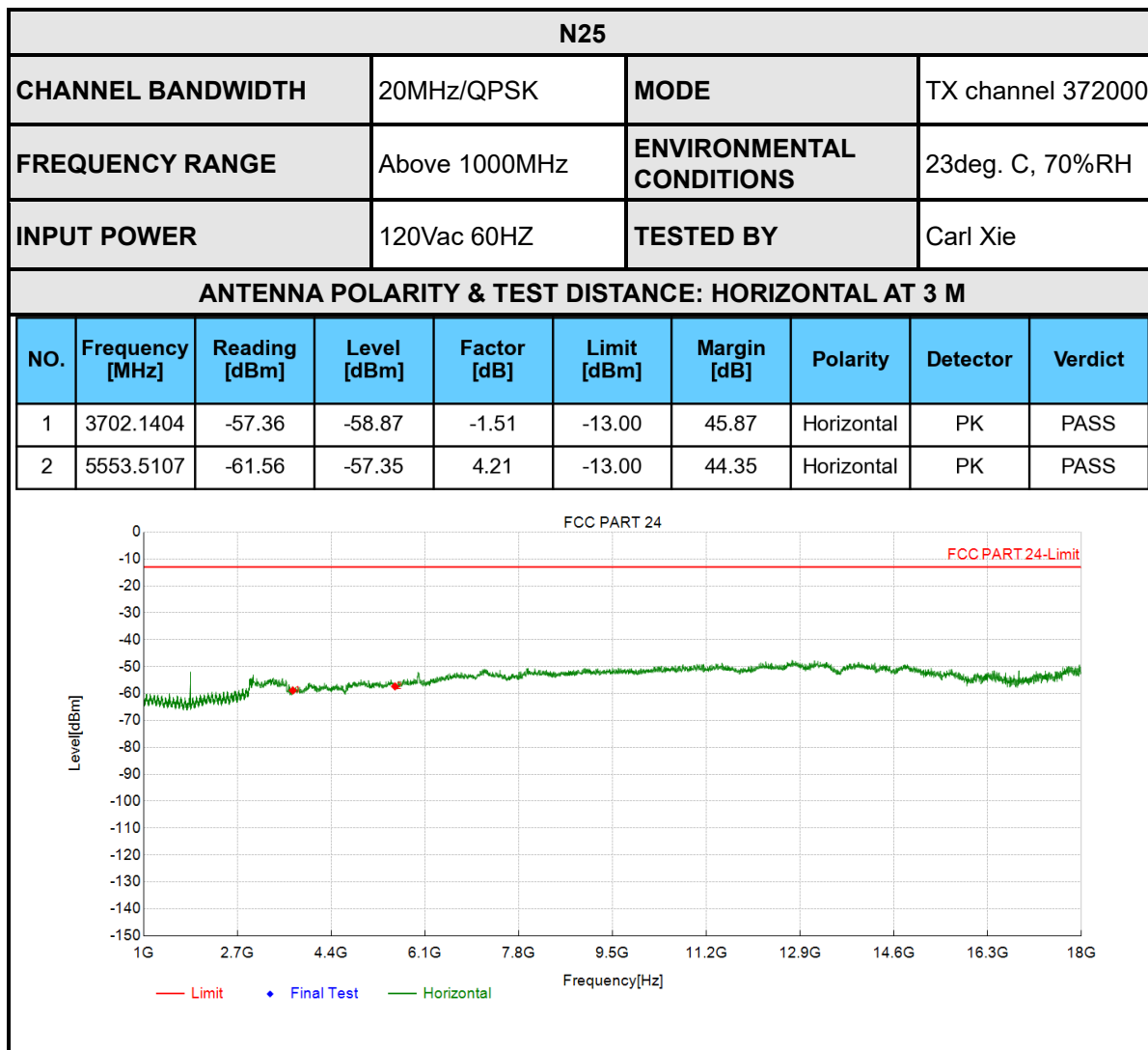
CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 372000						
FREQUENCY RANGE	18G-19.5G	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH						
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M									
Data List									
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	18250.850	-56.94	-50.44	6.50	-13.00	37.44	Vertical	PK	PASS
2	18865.373	-56.14	-49.26	6.88	-13.00	36.26	Vertical	PK	PASS
3	19492.198	-55.64	-48.13	7.51	-13.00	35.13	Vertical	PK	PASS

FCC PART 24

Legend: — Limit • Final Test — Vertical

Test Report No.: RF260623B002

5G NR

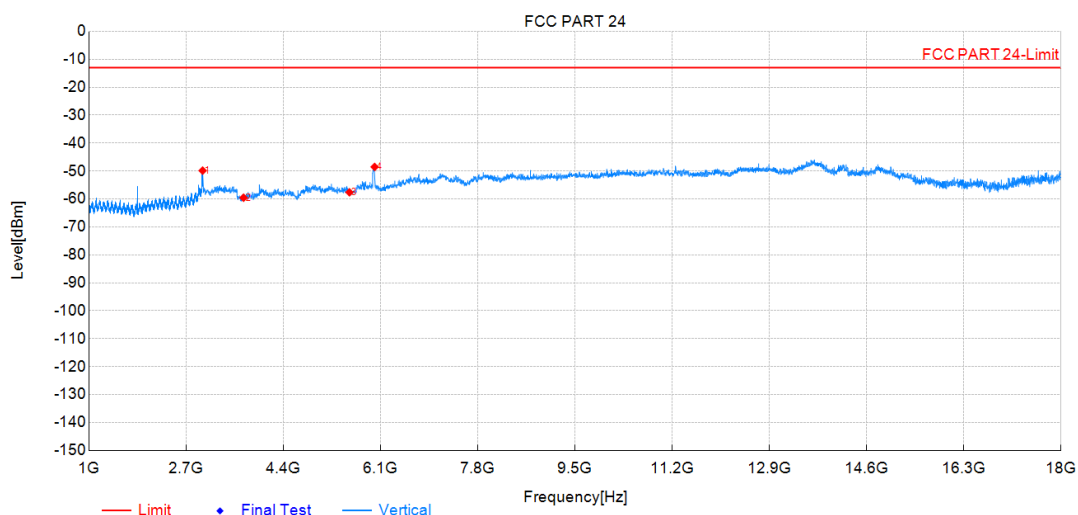


Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 372000
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	2987.1974	-46.44	-49.84	-3.40	-13.00	36.84	Vertical	PK	PASS
2	3702.1404	-58.08	-59.53	-1.45	-13.00	46.53	Vertical	PK	PASS
3	5553.5107	-61.55	-57.60	3.95	-13.00	44.60	Vertical	PK	PASS
4	5994.5989	-54.13	-48.52	5.61	-13.00	35.52	Vertical	PK	PASS

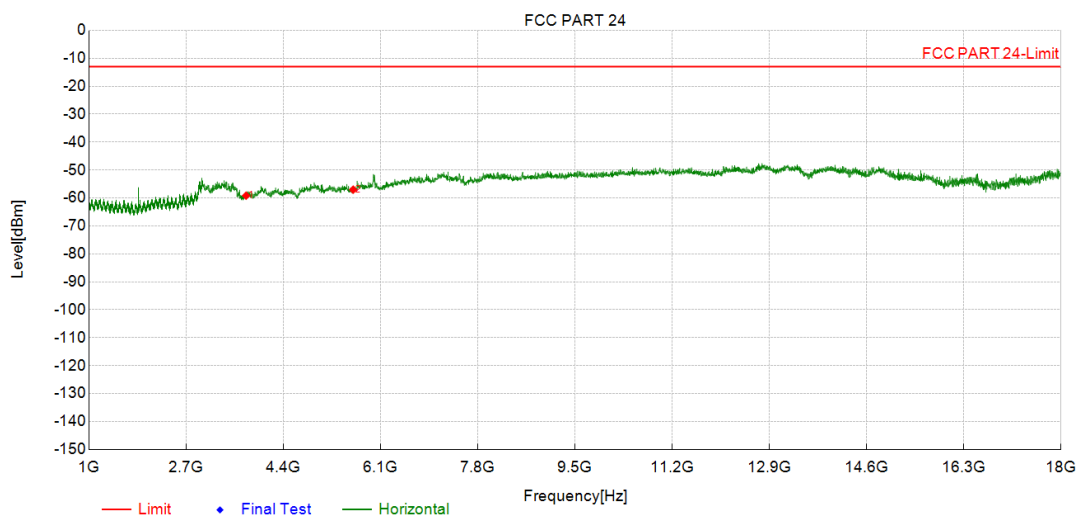


Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 376500
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	3747.1494	-58.00	-59.15	-1.15	-13.00	46.15	Horizontal	PK	PASS
2	5619.5239	-61.47	-57.01	4.46	-13.00	44.01	Horizontal	PK	PASS

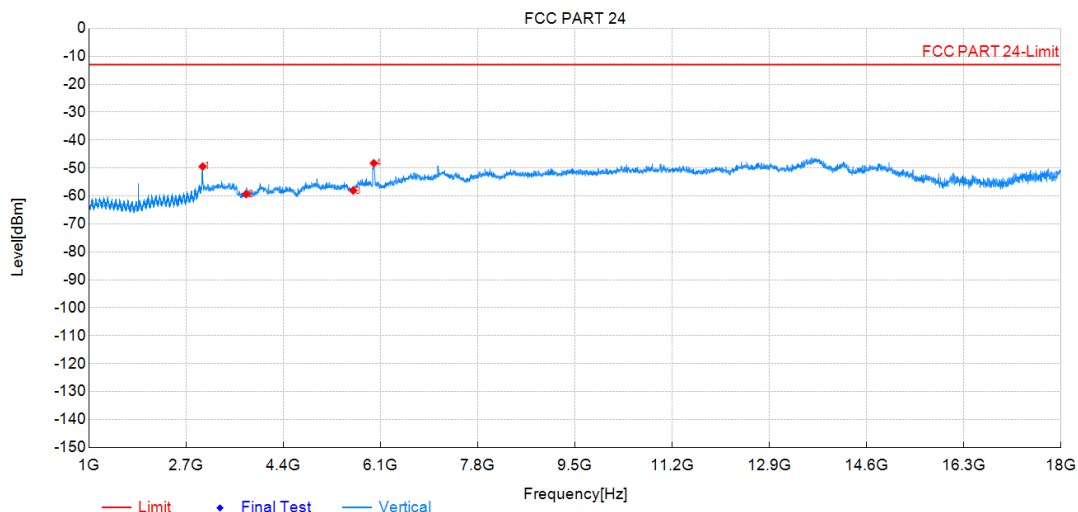


Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 376500
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	2987.5975	-46.05	-49.45	-3.40	-13.00	36.45	Vertical	PK	PASS
2	3747.1494	-58.19	-59.33	-1.14	-13.00	46.33	Vertical	PK	PASS
3	5619.5239	-62.25	-58.05	4.20	-13.00	45.05	Vertical	PK	PASS
4	5979.5959	-53.93	-48.26	5.67	-13.00	35.26	Vertical	PK	PASS

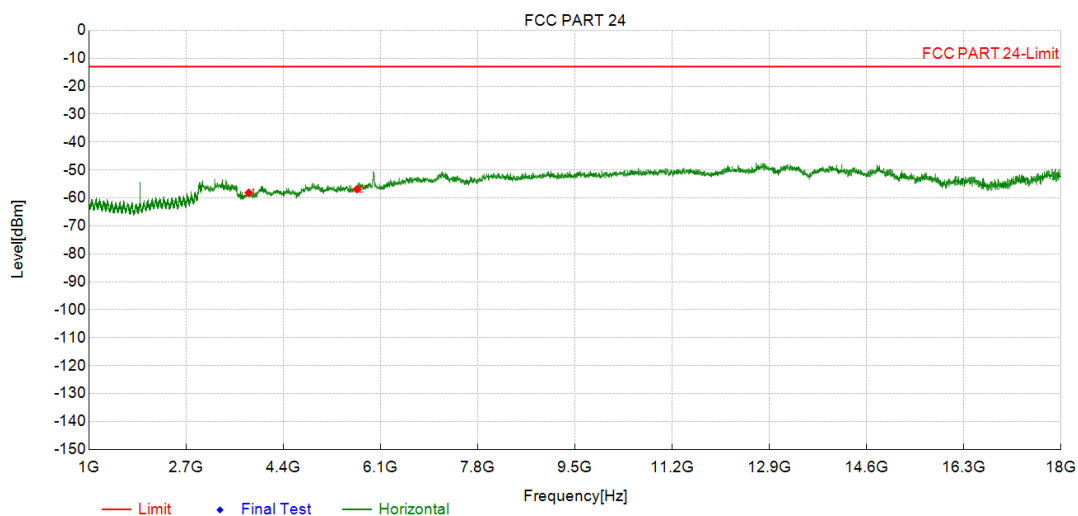


Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 381000
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	3792.1584	-57.28	-58.12	-0.84	-13.00	45.12	Horizontal	PK	PASS
2	5685.5371	-61.92	-56.88	5.04	-13.00	43.88	Horizontal	PK	PASS

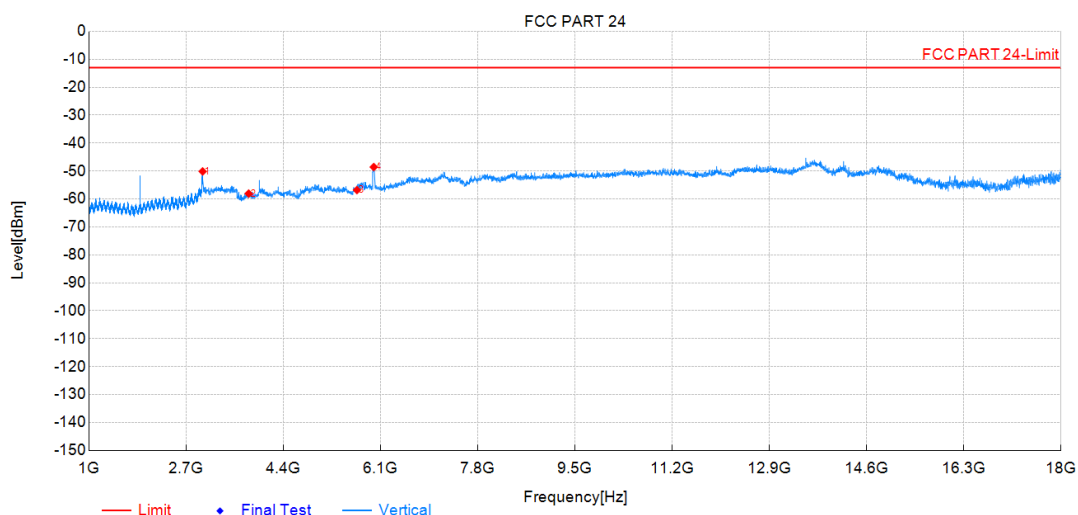


Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 381000
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	2987.5975	-46.73	-50.13	-3.40	-13.00	37.13	Vertical	PK	PASS
2	3792.1584	-57.22	-58.07	-0.85	-13.00	45.07	Vertical	PK	PASS
3	5685.5371	-61.81	-56.80	5.01	-13.00	43.80	Vertical	PK	PASS
4	5979.5959	-54.23	-48.56	5.67	-13.00	35.56	Vertical	PK	PASS



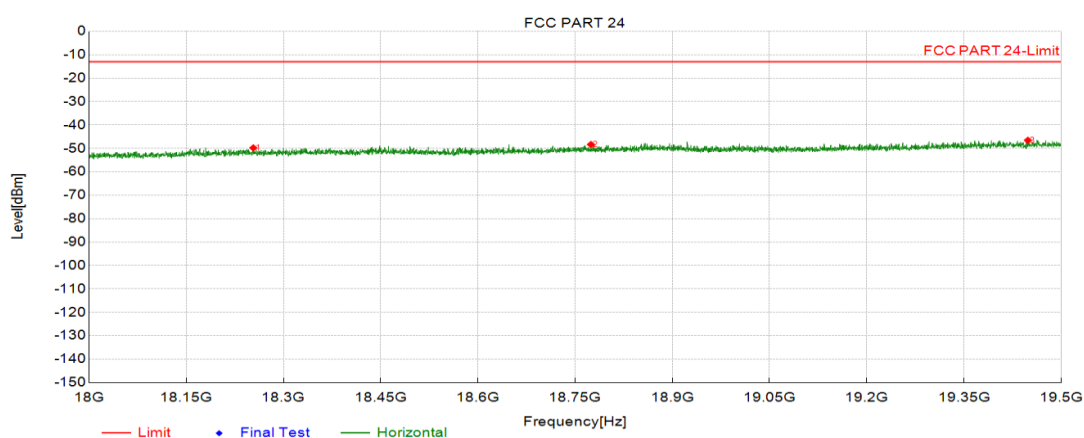
Test Report No.: RF260623B002

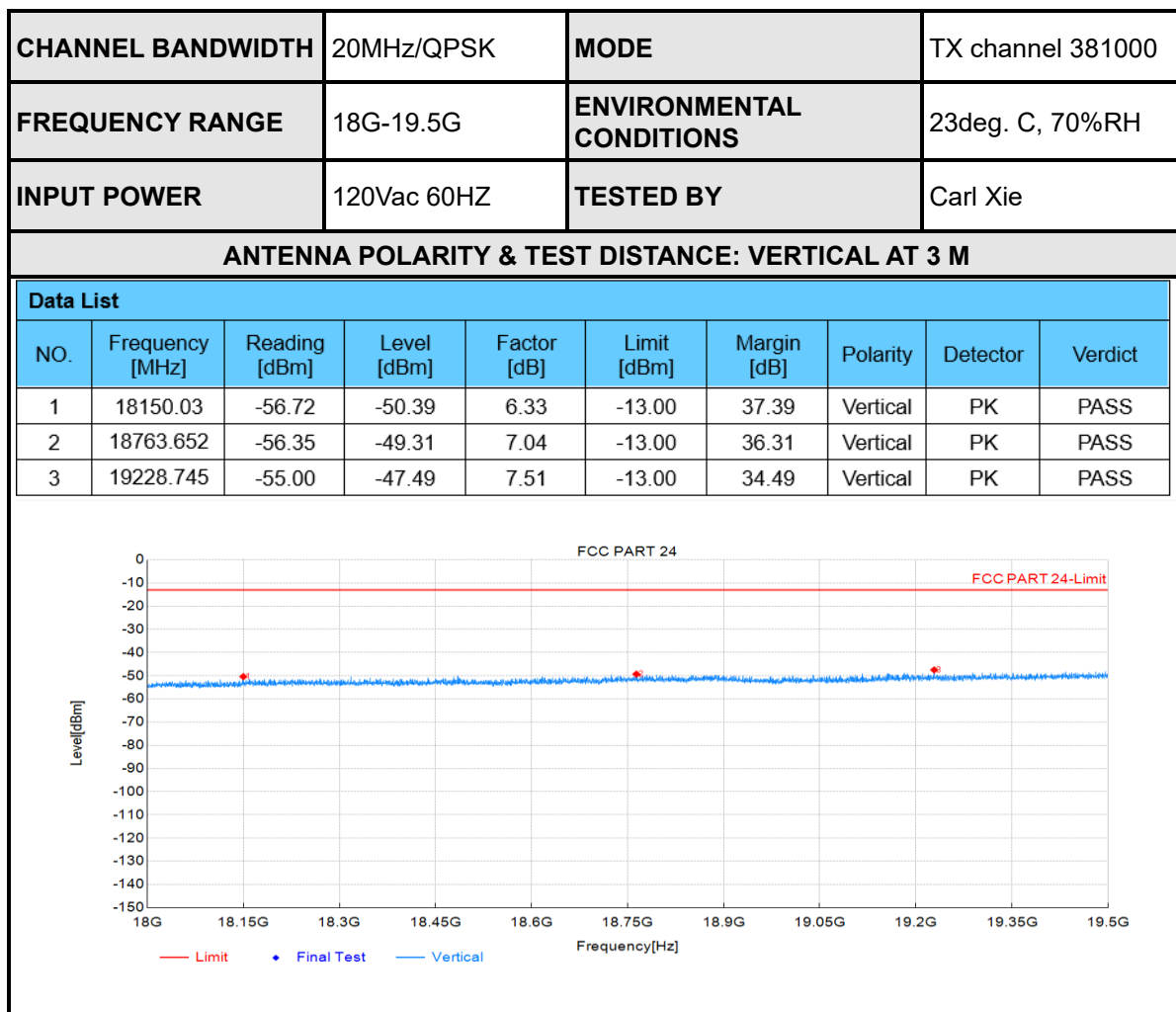
CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 381000
FREQUENCY RANGE	18G-19.5G	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Data List

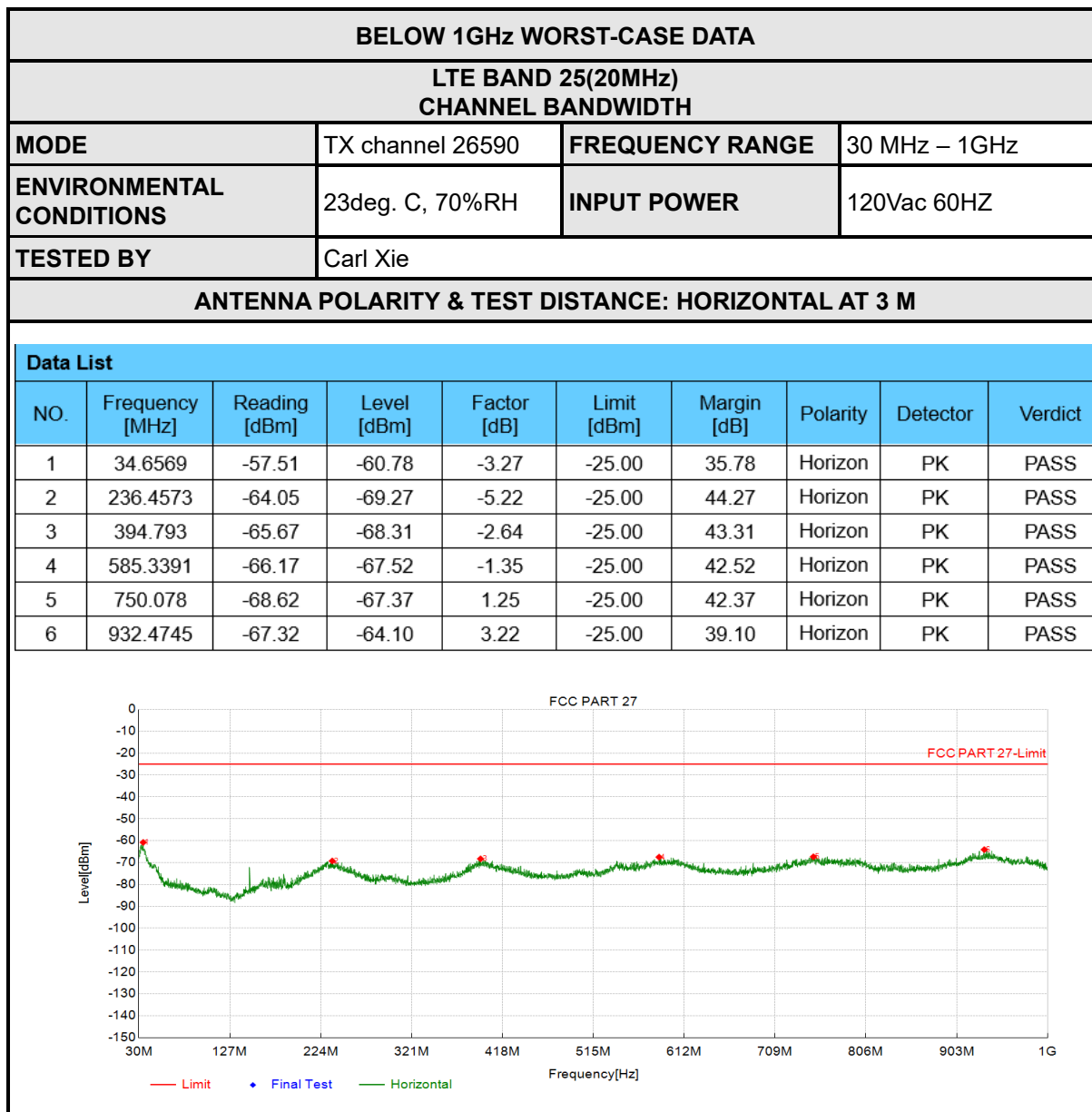
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	18253.550	-57.46	-49.77	7.69	-13.00	36.77	Horizon	PK	PASS
2	18774.454	-56.67	-48.32	8.35	-13.00	35.32	Horizon	PK	PASS
3	19448.689	-55.82	-46.53	9.29	-13.00	33.53	Horizon	PK	PASS





Test Report No.: RF260623B002

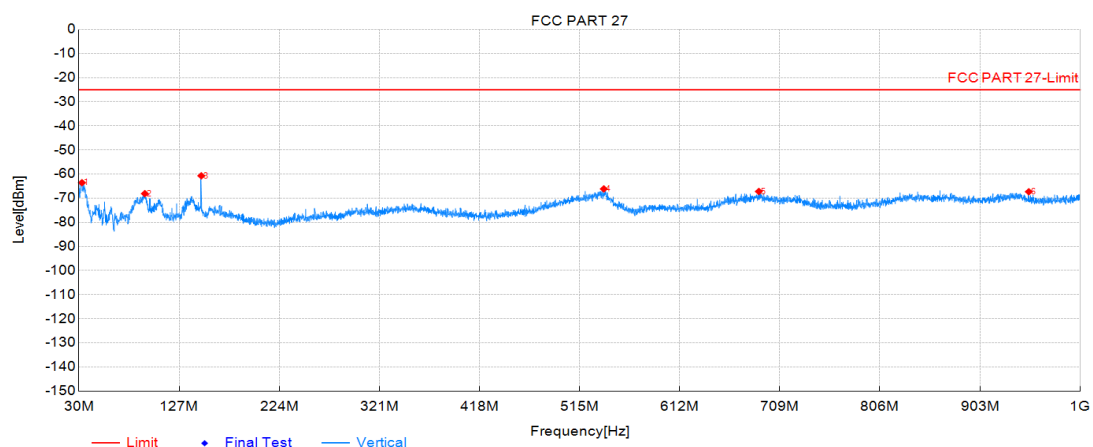
M.2 form



MODE	TX channel 26590	FREQUENCY RANGE	30 MHz – 1GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	120Vac 60HZ
TESTED BY	Carl Xie		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	32.9106	-52.95	-63.58	-10.63	-25.00	38.58	Vertical	PK	PASS
2	93.8388	-54.82	-68.10	-13.28	-25.00	43.10	Vertical	PK	PASS
3	148.5577	-50.80	-60.70	-9.90	-25.00	35.70	Vertical	PK	PASS
4	538.5757	-66.40	-66.14	0.26	-25.00	41.14	Vertical	PK	PASS
5	688.7618	-67.02	-67.20	-0.18	-25.00	42.20	Vertical	PK	PASS
6	950.3261	-67.43	-67.32	0.11	-25.00	42.32	Vertical	PK	PASS



ABOVE 1GHz DATA

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

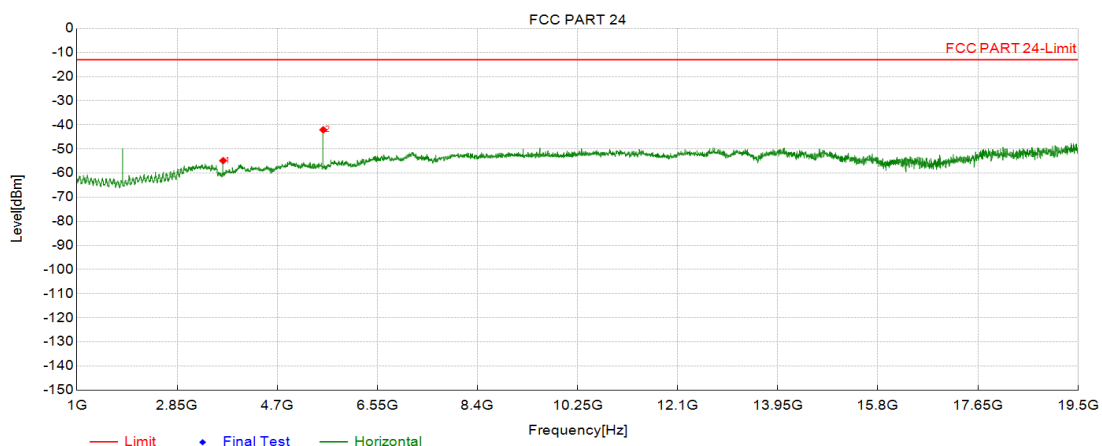
LTE Band 2

CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 18607
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

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3701.5403	-53.33	-54.84	-1.51	-13.00	41.84	Horizon	PK	PASS
2	5551.9104	-46.26	-42.05	4.21	-13.00	29.05	Horizon	PK	PASS

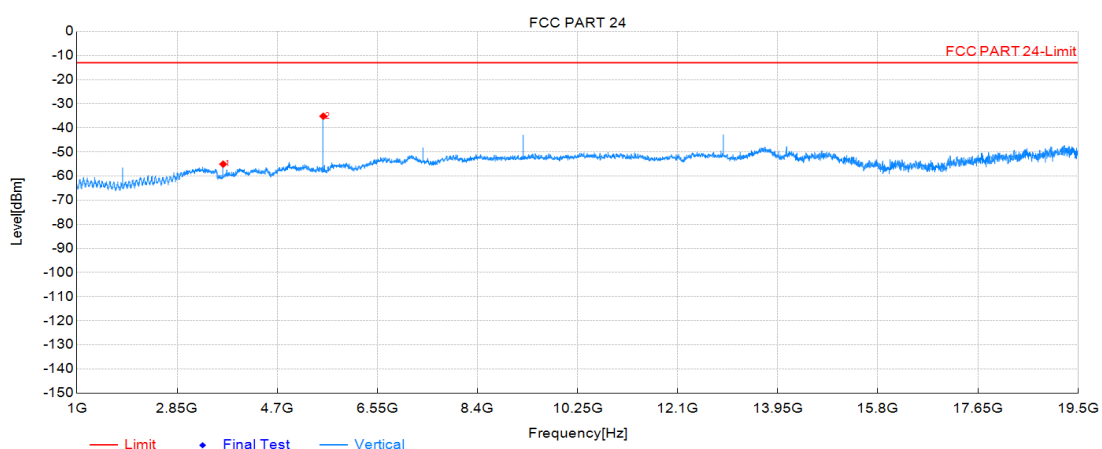


CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 18607
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3701.5403	-53.57	-55.05	-1.48	-13.00	42.05	Vertical	PK	PASS
2	5551.9104	-39.11	-35.16	3.95	-13.00	22.16	Vertical	PK	PASS



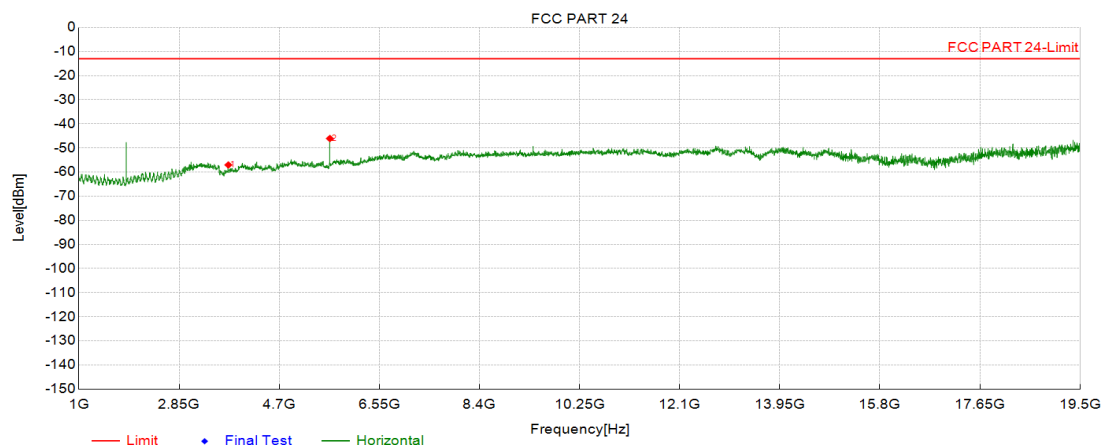
Test Report No.: RF260623B002

CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 18900
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

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3760.7522	-55.95	-57.03	-1.08	-13.00	44.03	Horizon	PK	PASS
2	5637.0274	-50.66	-46.07	4.59	-13.00	33.07	Horizon	PK	PASS

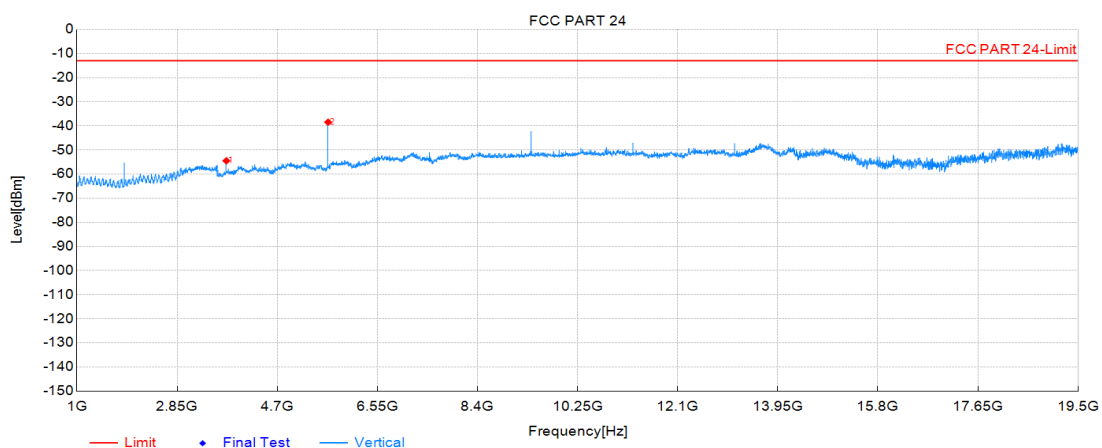


CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 18900
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3760.7522	-53.40	-54.48	-1.08	-13.00	41.48	Vertical	PK	PASS
2	5640.7281	-42.90	-38.45	4.45	-13.00	25.45	Vertical	PK	PASS



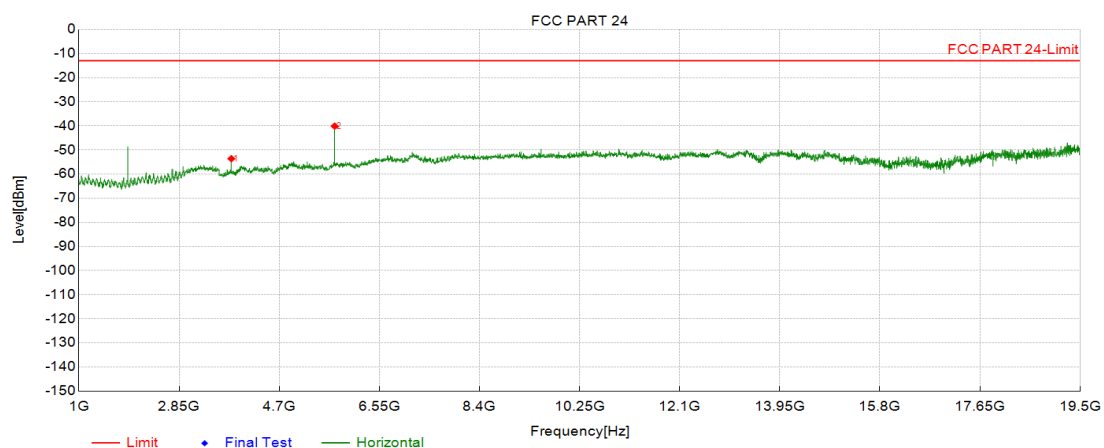
Test Report No.: RF260623B002

CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 19193
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

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3816.2633	-52.90	-53.61	-0.71	-13.00	40.61	Horizon	PK	PASS
2	5725.8452	-45.49	-40.11	5.38	-13.00	27.11	Horizon	PK	PASS

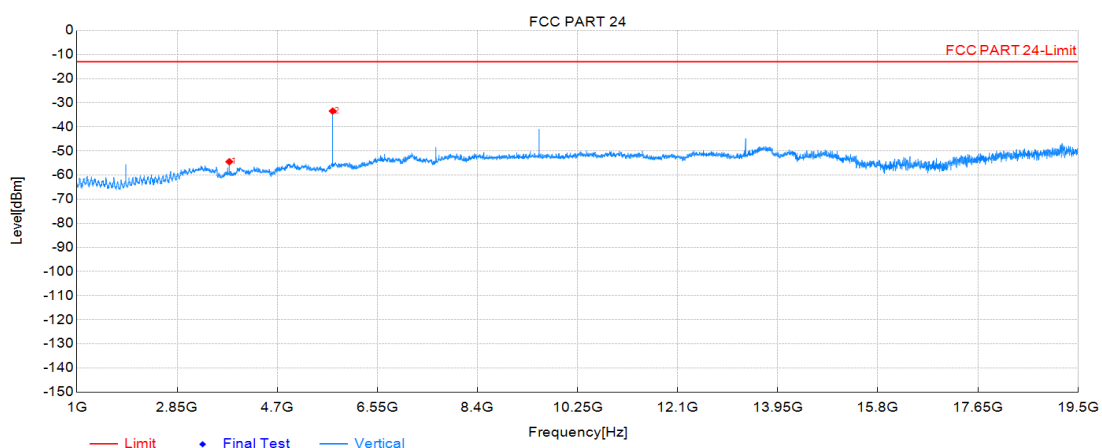


CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 19193
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3816.2633	-53.71	-54.45	-0.74	-13.00	41.45	Vertical	PK	PASS
2	5725.8452	-38.89	-33.43	5.46	-13.00	20.43	Vertical	PK	PASS

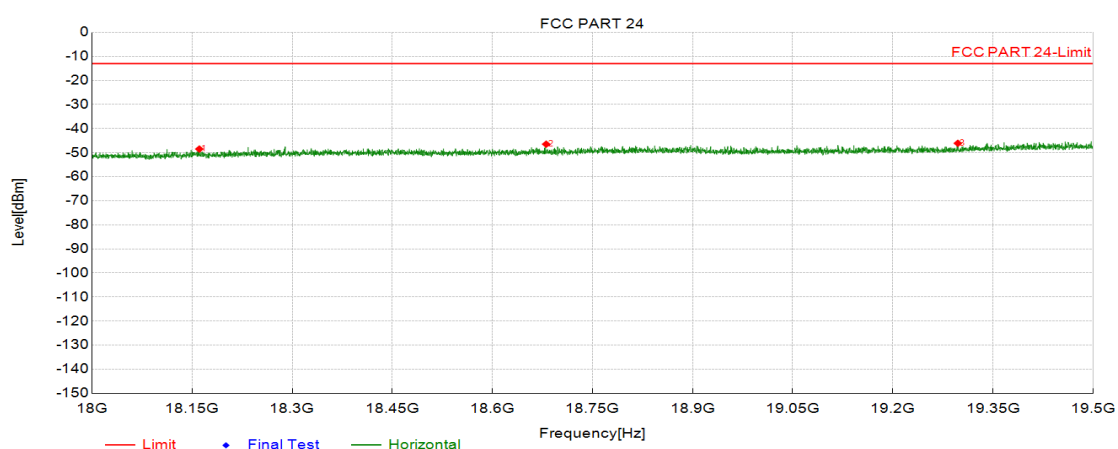


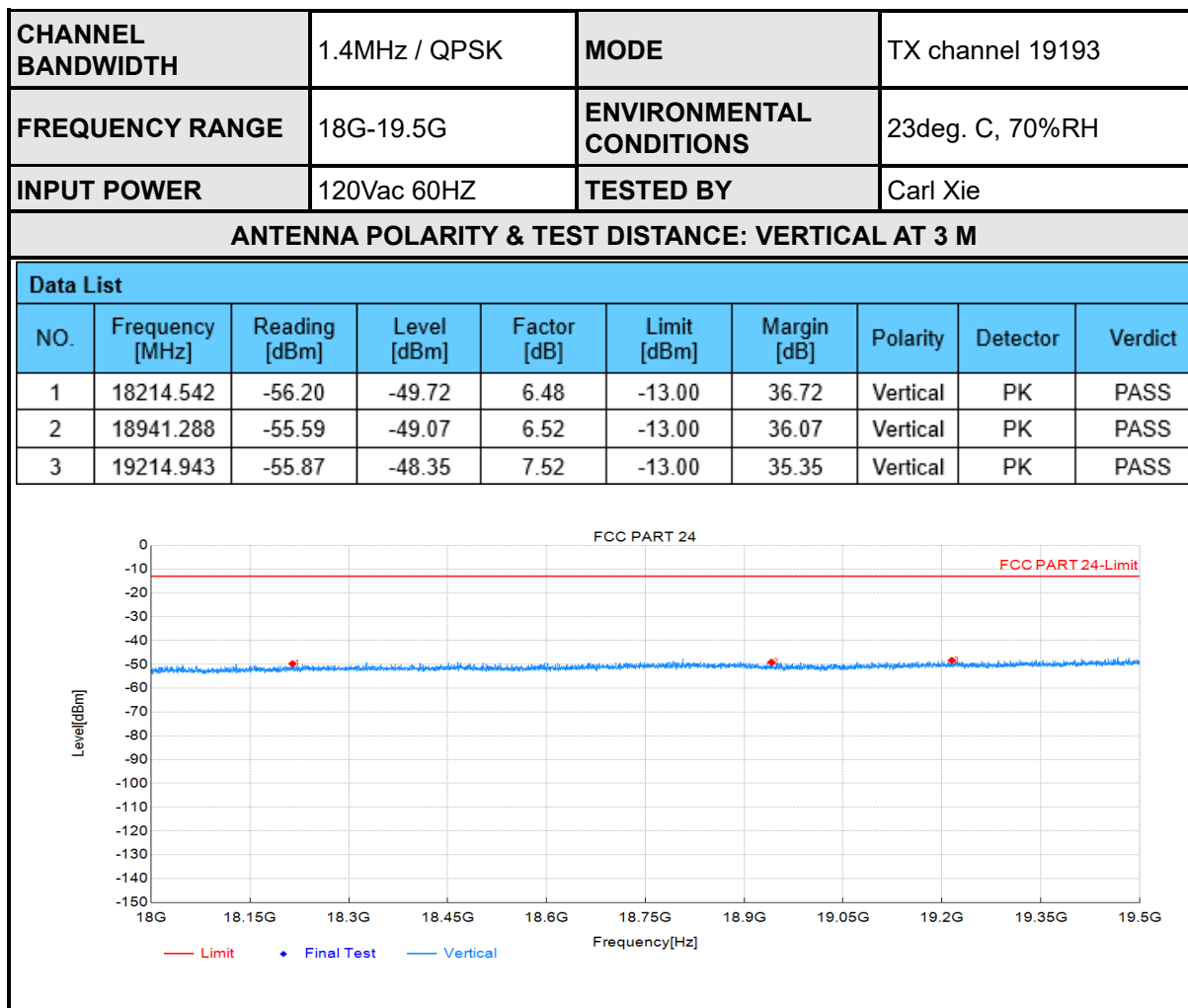
CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 19193
FREQUENCY RANGE	18G-19.5G	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

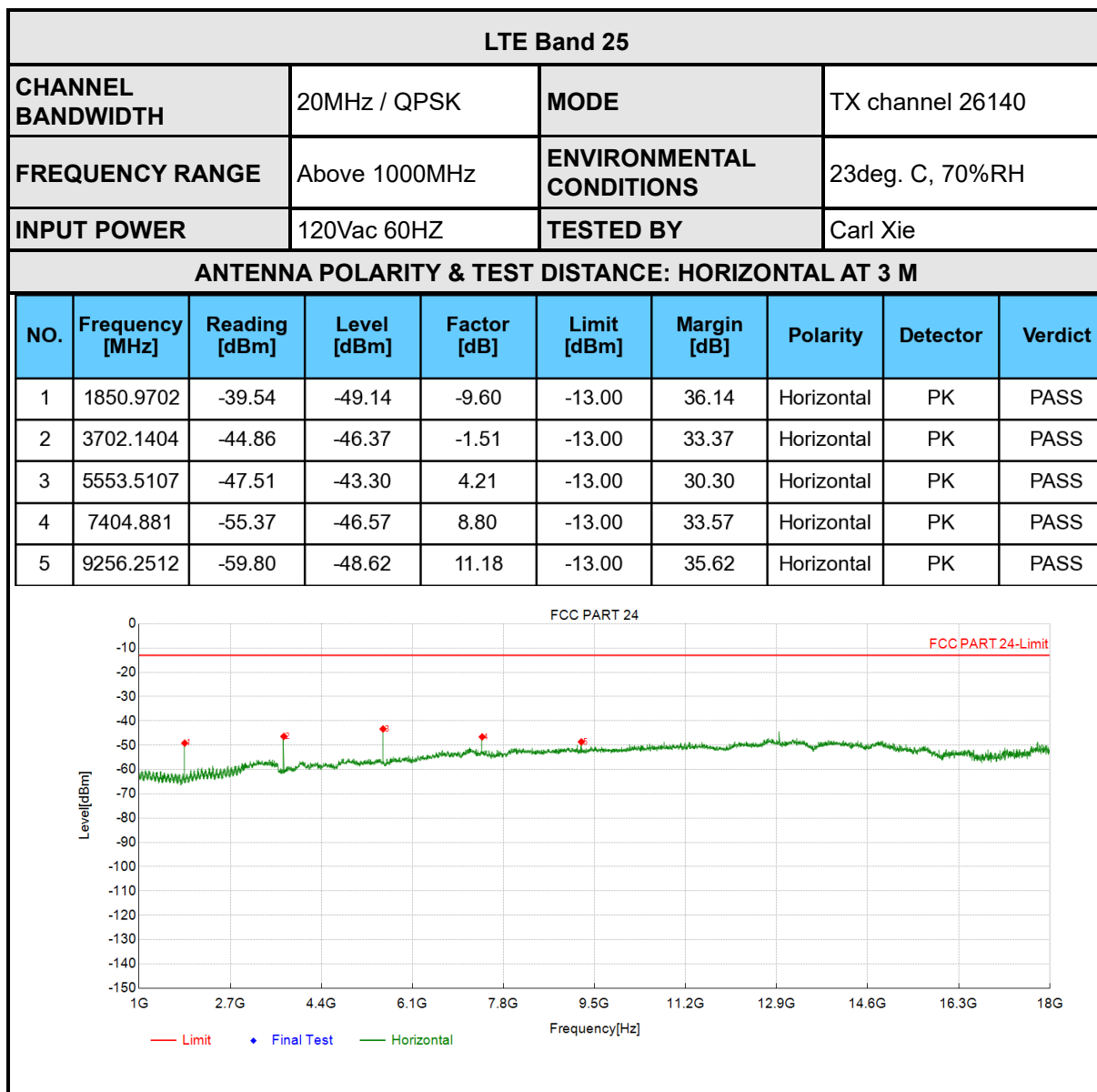
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	18160.832	-55.94	-48.50	7.44	-13.00	35.50	Horizon	PK	PASS
2	18680.536	-54.45	-46.47	7.98	-13.00	33.47	Horizon	PK	PASS
3	19297.459	-54.98	-46.10	8.88	-13.00	33.10	Horizon	PK	PASS



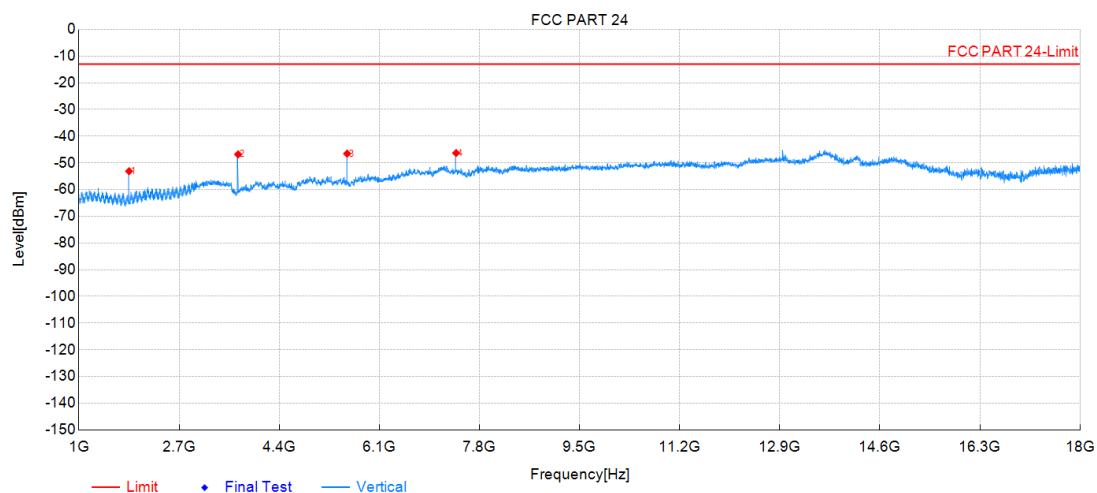




CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 26140
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

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	1851.3703	-43.67	-53.10	-9.43	-13.00	40.10	Vertical	PK	PASS
2	3702.1404	-45.31	-46.79	-1.48	-13.00	33.79	Vertical	PK	PASS
3	5553.5107	-50.47	-46.52	3.95	-13.00	33.52	Vertical	PK	PASS
4	7404.881	-55.29	-46.28	9.01	-13.00	33.28	Vertical	PK	PASS

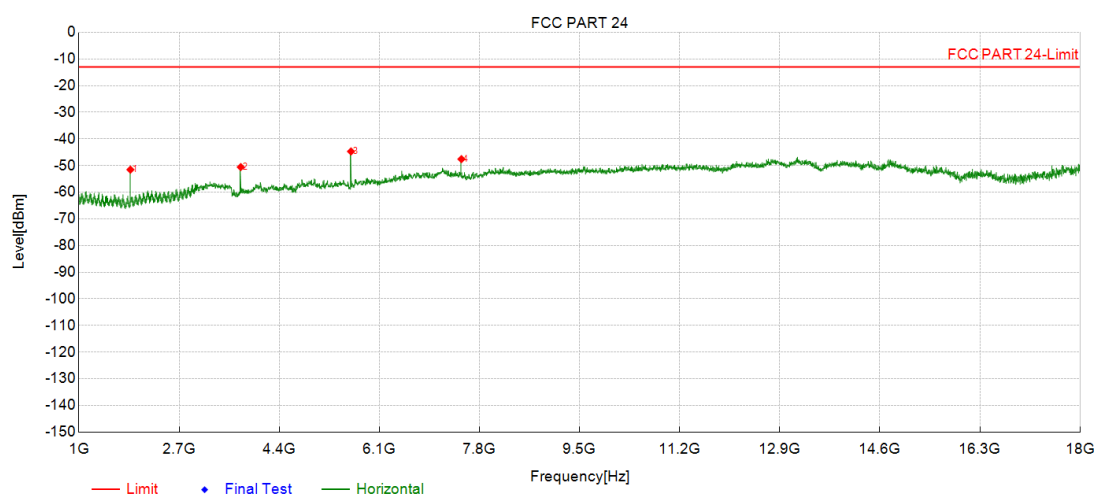


Test Report No.: RF260623B002

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

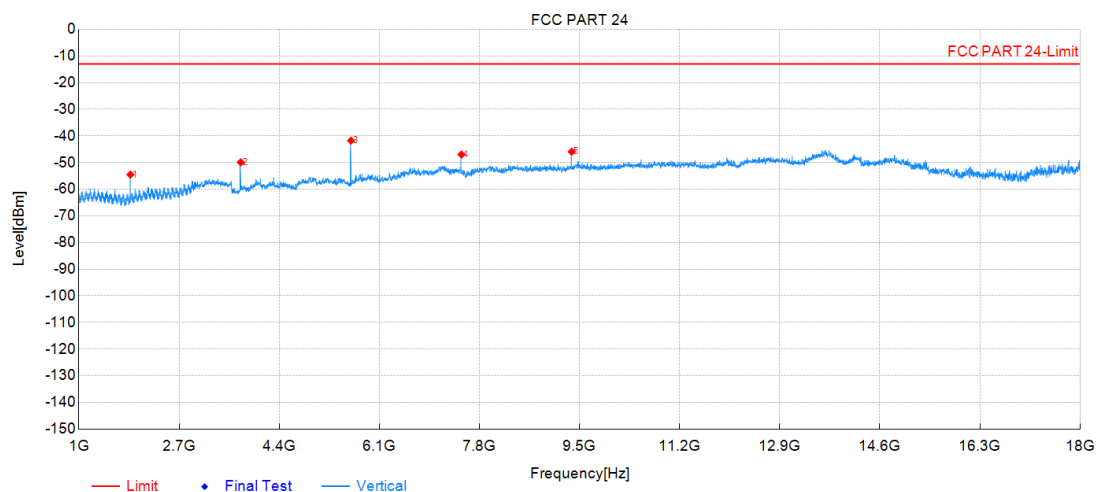
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1873.7748	-42.10	-51.52	-9.42	-13.00	38.52	Horizontal	PK	PASS
2	3747.1494	-49.37	-50.55	-1.18	-13.00	37.55	Horizontal	PK	PASS
3	5619.5239	-49.11	-44.68	4.43	-13.00	31.68	Horizontal	PK	PASS
4	7494.899	-56.30	-47.57	8.73	-13.00	34.57	Horizontal	PK	PASS



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: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1873.3747	-45.24	-54.51	-9.27	-13.00	41.51	Vertical	PK	PASS
2	3747.1494	-48.74	-49.91	-1.17	-13.00	36.91	Vertical	PK	PASS
3	5619.5239	-45.95	-41.75	4.20	-13.00	28.75	Vertical	PK	PASS
4	7494.899	-55.76	-46.98	8.78	-13.00	33.98	Vertical	PK	PASS
5	9367.2735	-58.11	-45.92	12.19	-13.00	32.92	Vertical	PK	PASS

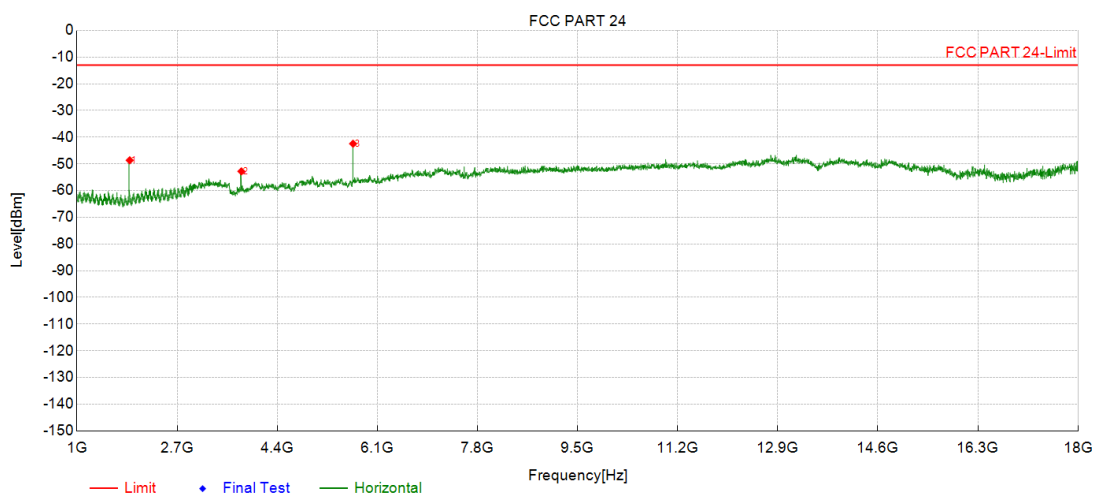


Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 26590
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

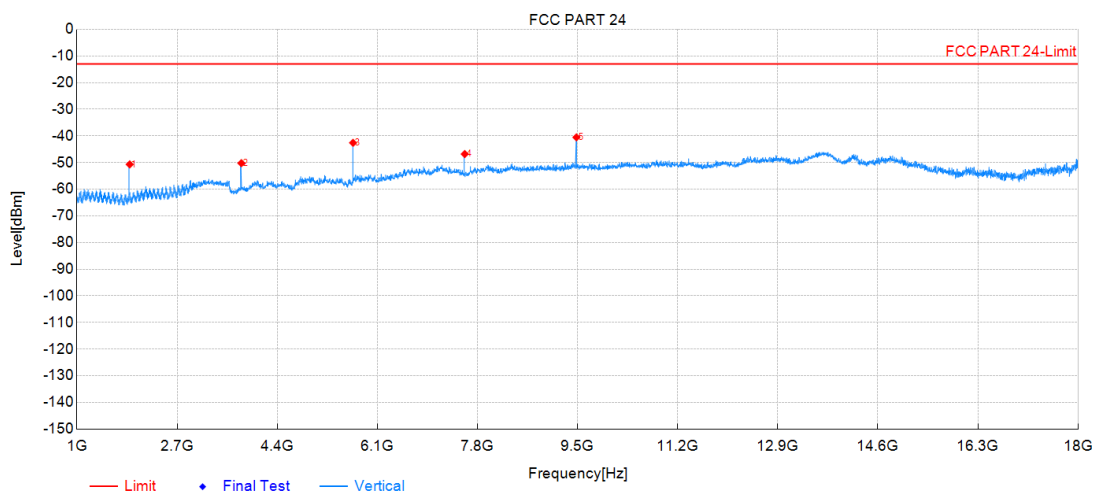
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1895.7792	-39.39	-48.64	-9.25	-13.00	35.64	Horizontal	PK	PASS
2	3792.1584	-51.93	-52.79	-0.86	-13.00	39.79	Horizontal	PK	PASS
3	5688.5377	-47.46	-42.42	5.04	-13.00	29.42	Horizontal	PK	PASS



CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 26590
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	1896.1792	-41.58	-50.67	-9.09	-13.00	37.67	Vertical	PK	PASS
2	3792.1584	-49.35	-50.21	-0.86	-13.00	37.21	Vertical	PK	PASS
3	5688.5377	-47.59	-42.58	5.01	-13.00	29.58	Vertical	PK	PASS
4	7584.917	-55.35	-46.79	8.56	-13.00	33.79	Vertical	PK	PASS
5	9481.2963	-52.98	-40.52	12.46	-13.00	27.52	Vertical	PK	PASS



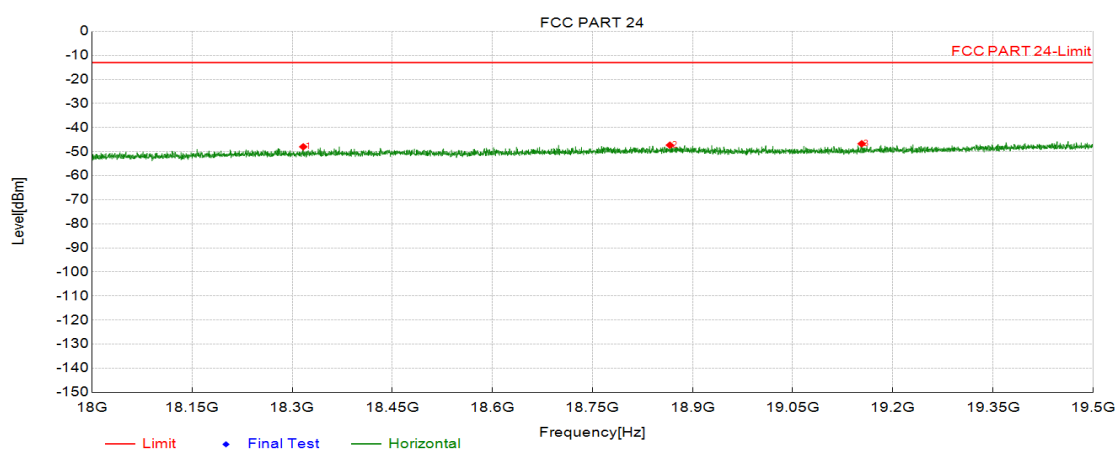
Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 26590
FREQUENCY RANGE	18G-19.5G	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	18316.563	-55.85	-47.98	7.87	-13.00	34.98	Horizon	PK	PASS
2	18865.973	-55.58	-47.29	8.29	-13.00	34.29	Horizon	PK	PASS
3	19153.430	-55.12	-46.72	8.40	-13.00	33.72	Horizon	PK	PASS

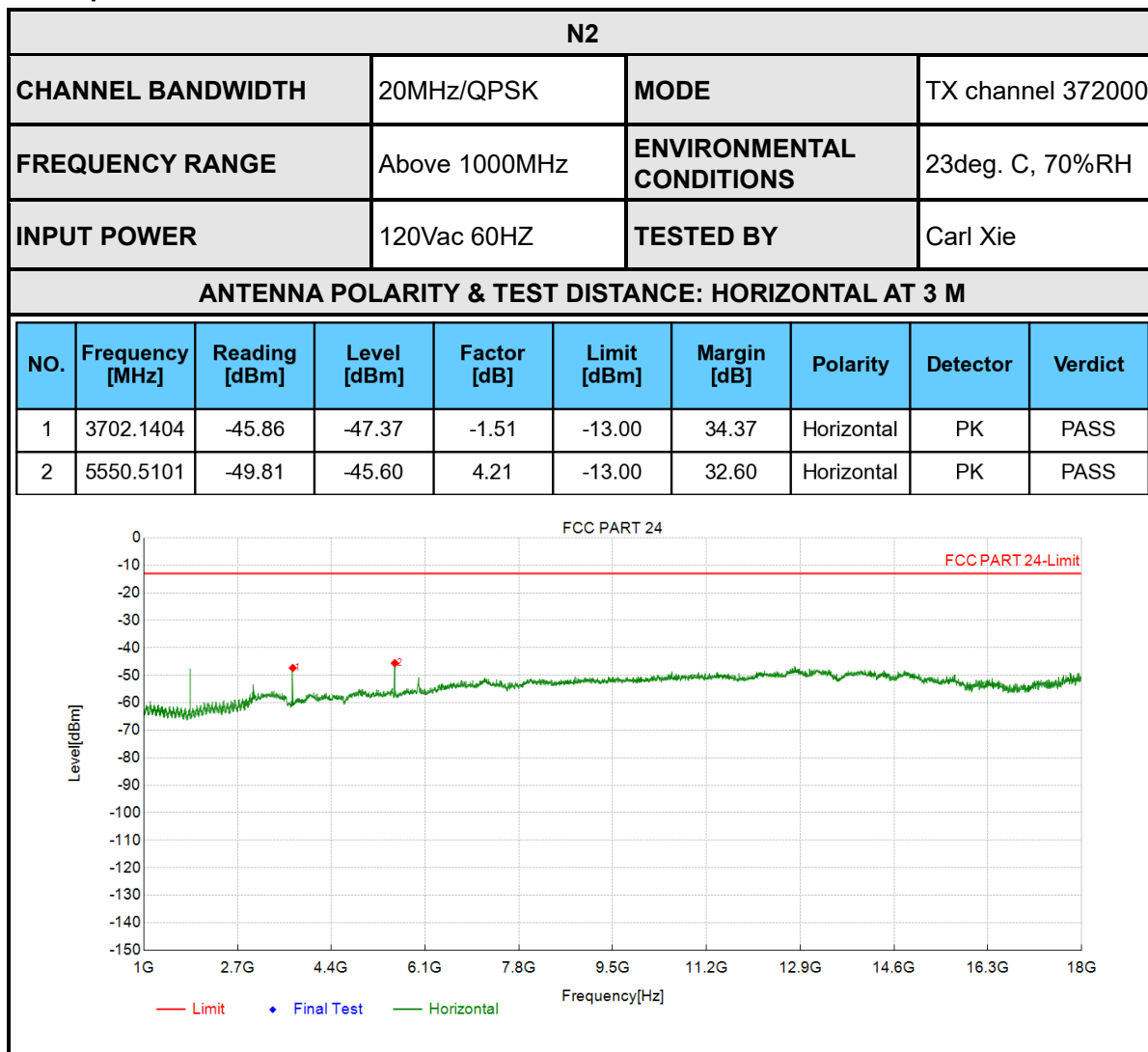


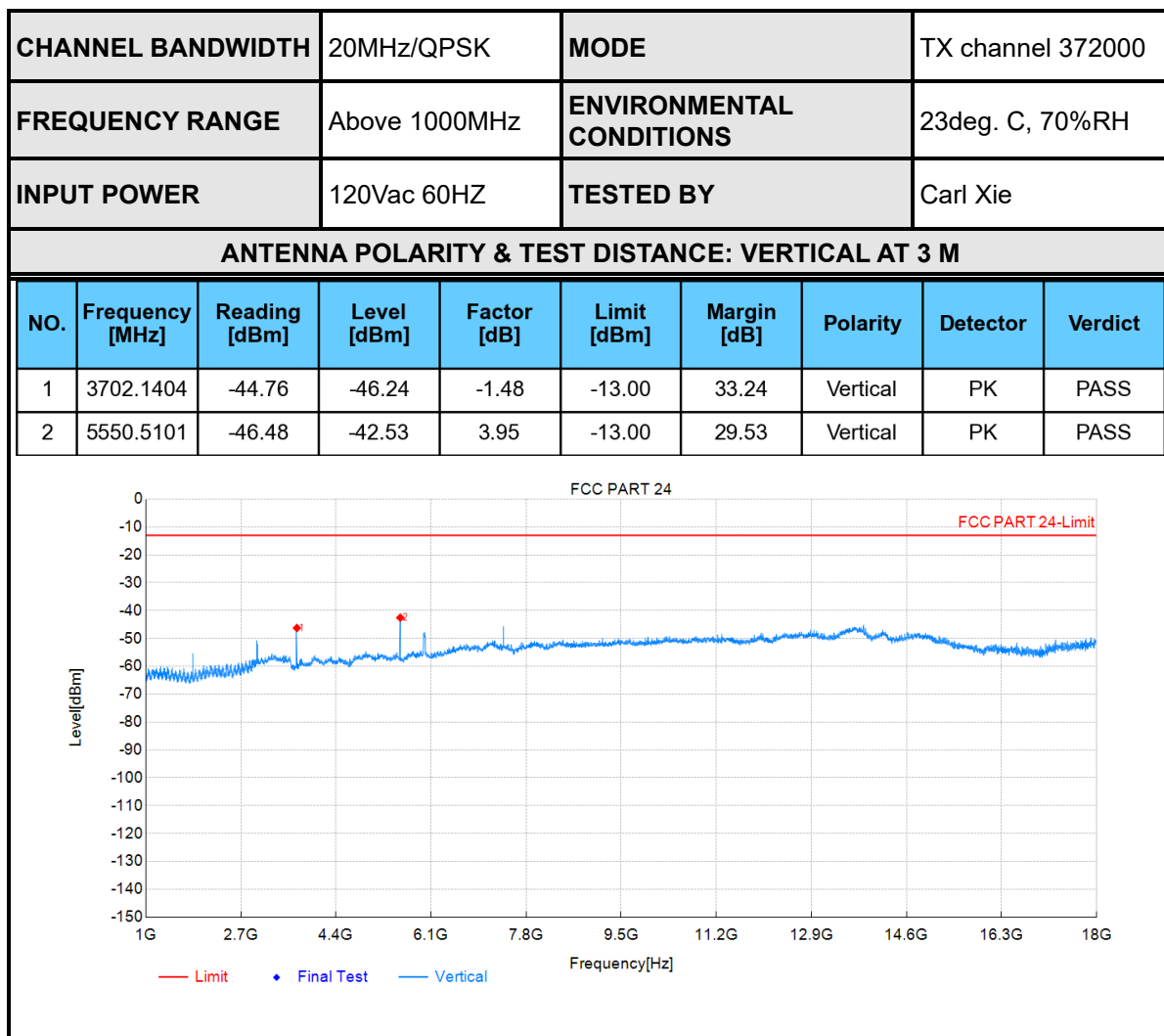
CHANNEL BANDWIDTH	20MHz / QPSK	MODE	TX channel 26590						
FREQUENCY RANGE	18G-19.5G	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH						
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M									
Data List									
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	18238.247	-56.58	-50.08	6.50	-13.00	37.08	Vertical	PK	PASS
2	18628.625	-55.66	-49.20	6.46	-13.00	36.20	Vertical	PK	PASS
3	19124.925	-56.45	-49.41	7.04	-13.00	36.41	Vertical	PK	PASS

FCC PART 24

Legend: — Limit ♦ Final Test — Vertical

Test Report No.: RF260623B002



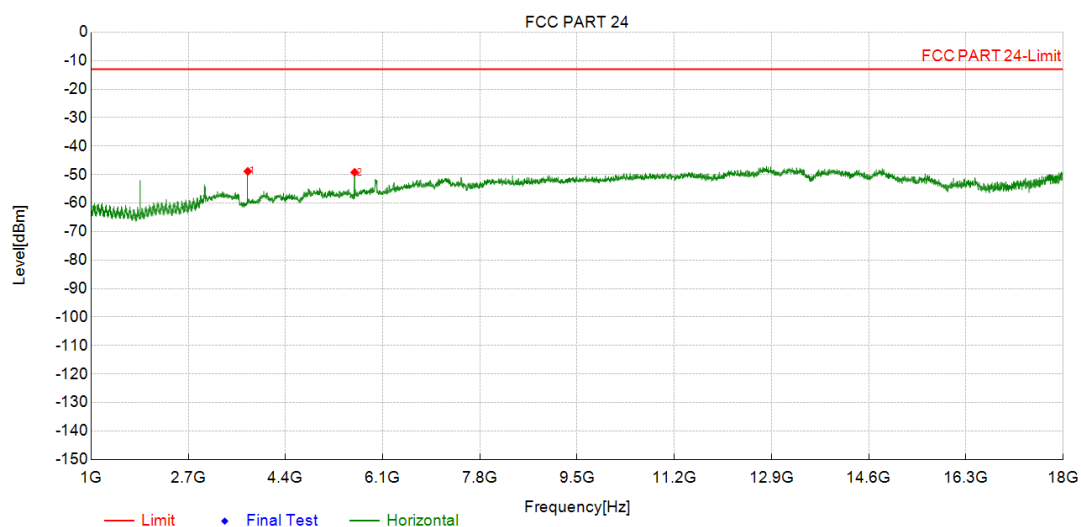


Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 376000
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

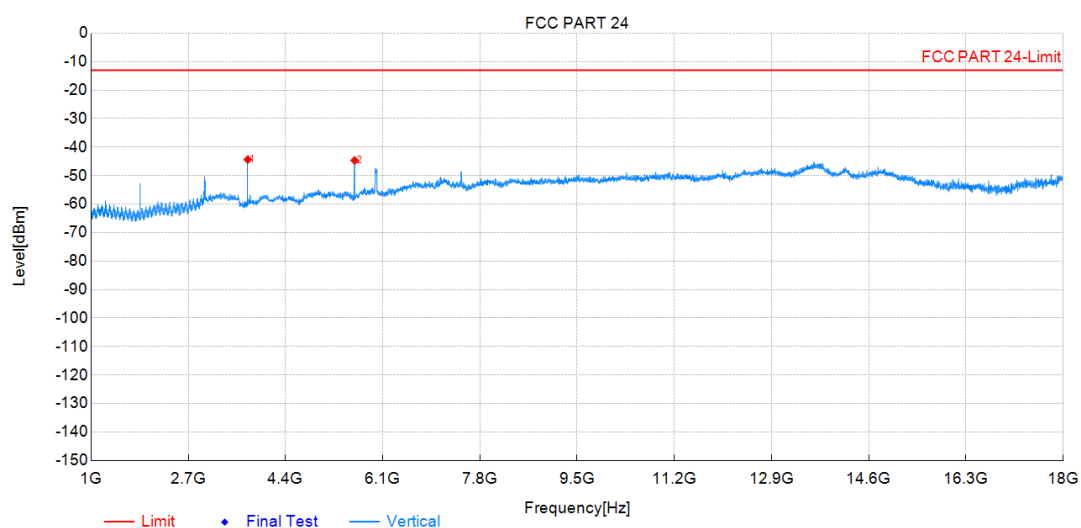
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	3741.1482	-47.62	-48.85	-1.23	-13.00	35.85	Horizontal	PK	PASS
2	5610.5221	-53.54	-49.19	4.35	-13.00	36.19	Horizontal	PK	PASS



CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 376000
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	3741.1482	-43.13	-44.34	-1.21	-13.00	31.34	Vertical	PK	PASS
2	5610.5221	-48.74	-44.65	4.09	-13.00	31.65	Vertical	PK	PASS

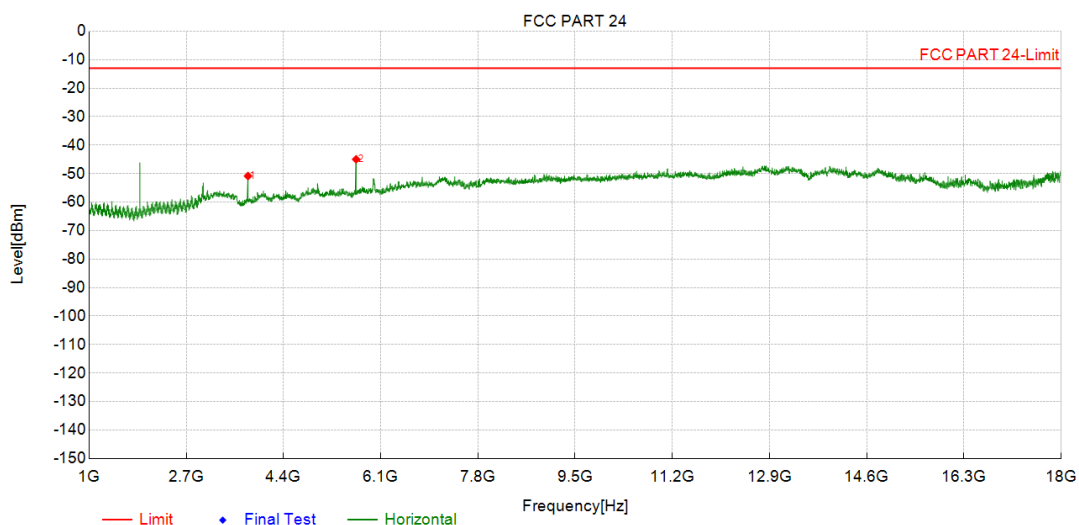


Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 380000
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	3780.156	-49.88	-50.83	-0.95	-13.00	37.83	Horizontal	PK	PASS
2	5670.5341	-49.85	-44.96	4.89	-13.00	31.96	Horizontal	PK	PASS



CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 380000						
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	3780.156	-46.55	-47.50	-0.95	-13.00	34.50	Vertical	PK	PASS
2	5670.5341	-49.85	-45.05	4.80	-13.00	32.05	Vertical	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

Limit Final Test Vertical

FCC PART 24-Limit

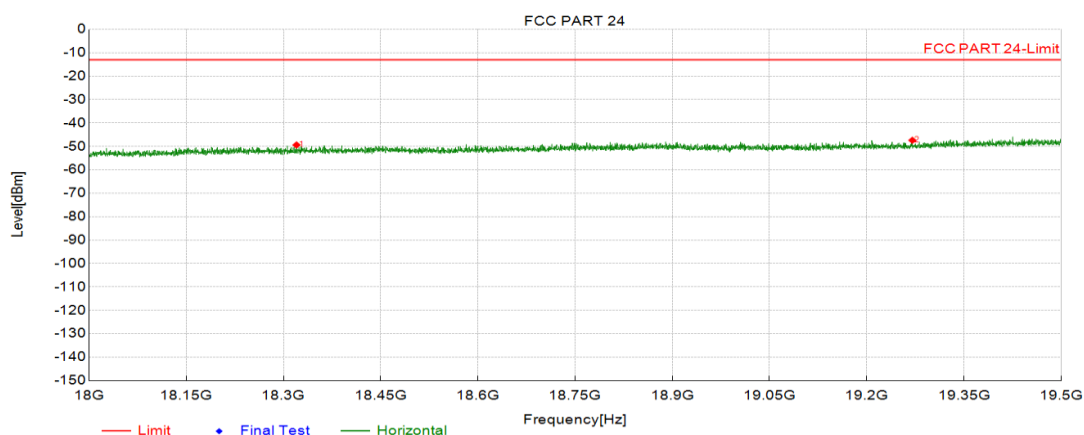
Test Report No.: RF260623B002

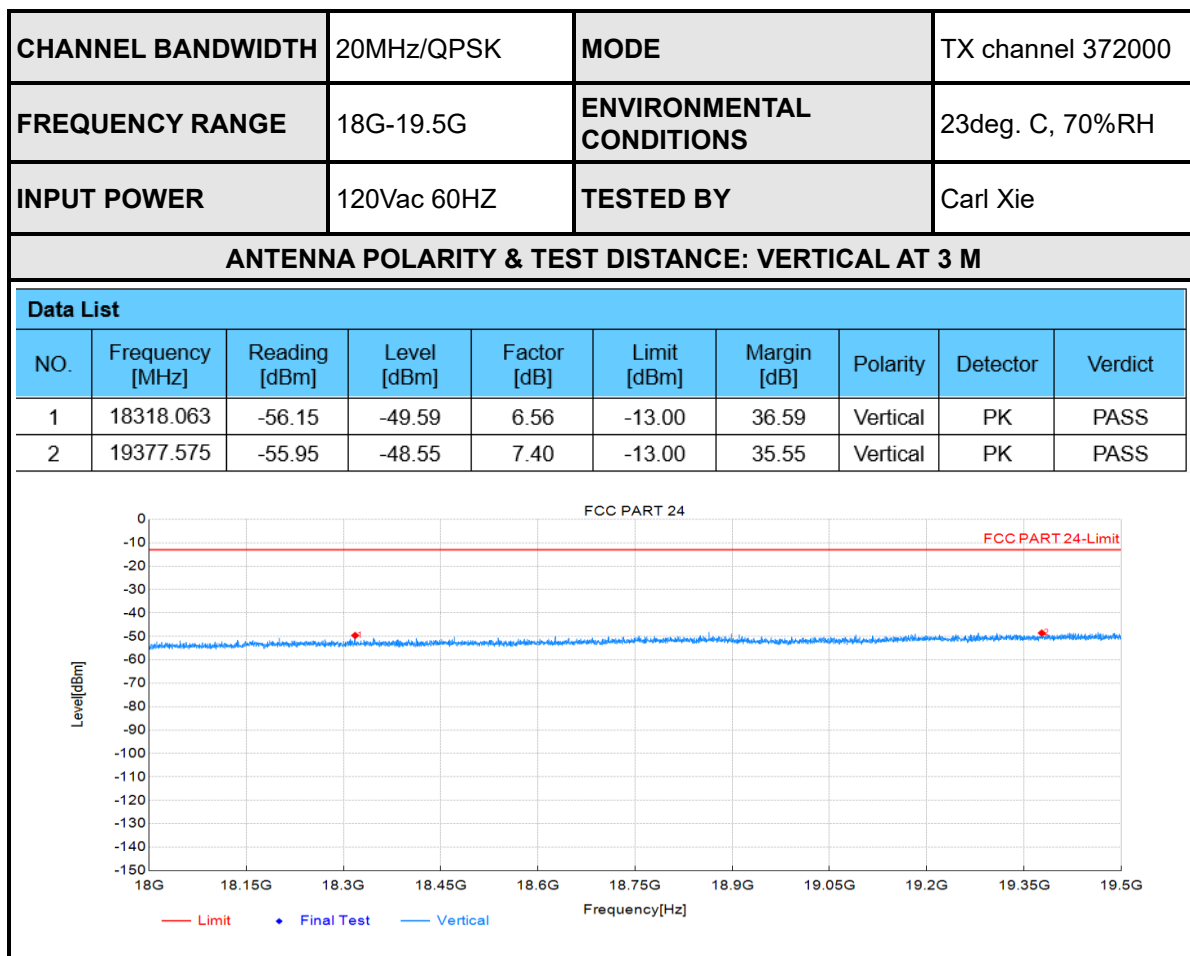
CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 372000
FREQUENCY RANGE	18G-19.5G	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Data List

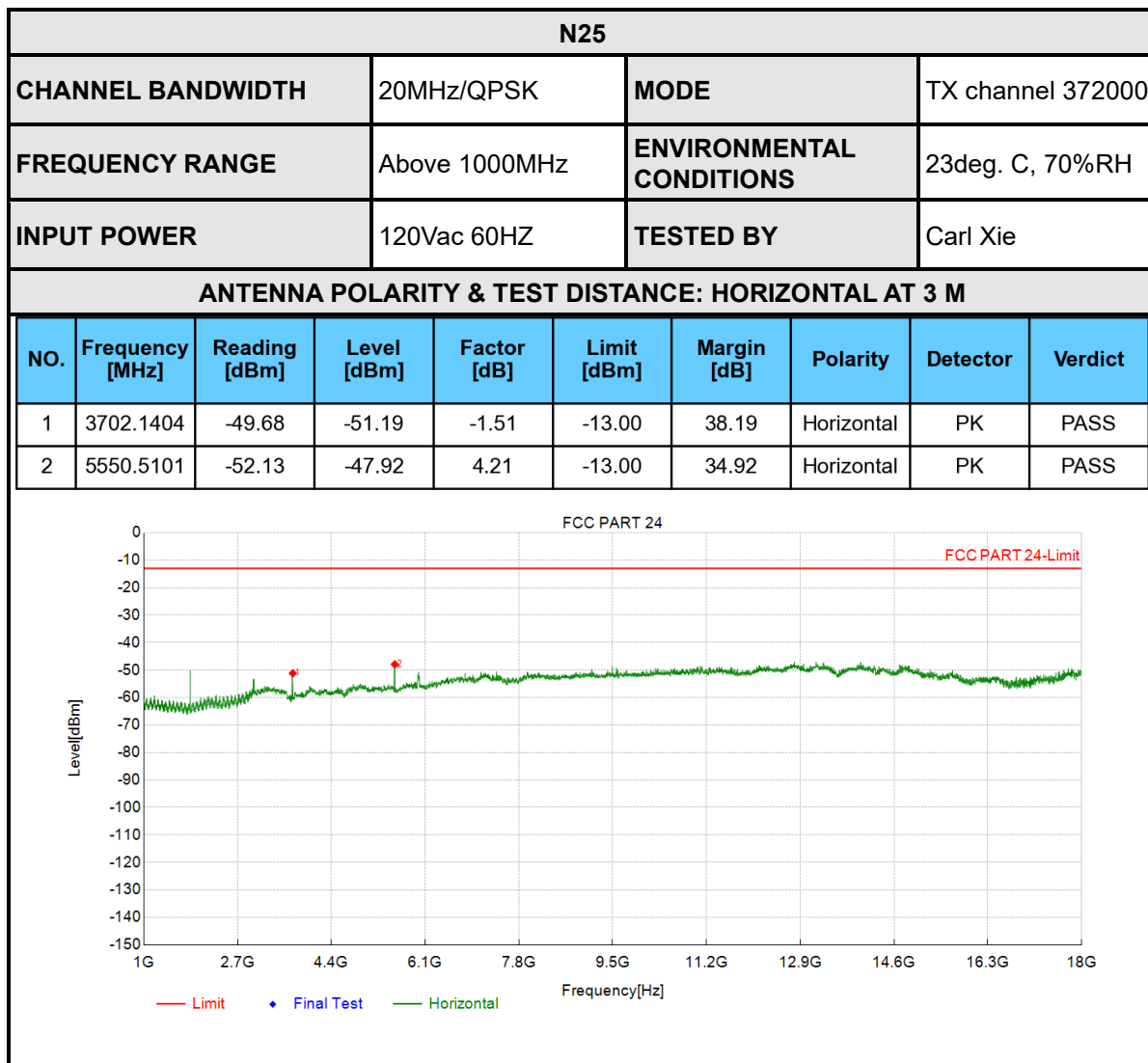
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	18320.164	-57.26	-49.38	7.88	-13.00	36.38	Horizon	PK	PASS
2	19270.454	-56.16	-47.38	8.78	-13.00	34.38	Horizon	PK	PASS





Test Report No.: RF260623B002

5G NR



Test Report No.: RF260623B002

CHANNEL BANDWIDTH		20MHz/QPSK		MODE		TX channel 372000			
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	3702.1404	-47.41	-48.89	-1.48	-13.00	35.89	Vertical	PK	PASS
2	5550.5101	-48.72	-44.77	3.95	-13.00	31.77	Vertical	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

Limit Final Test Vertical

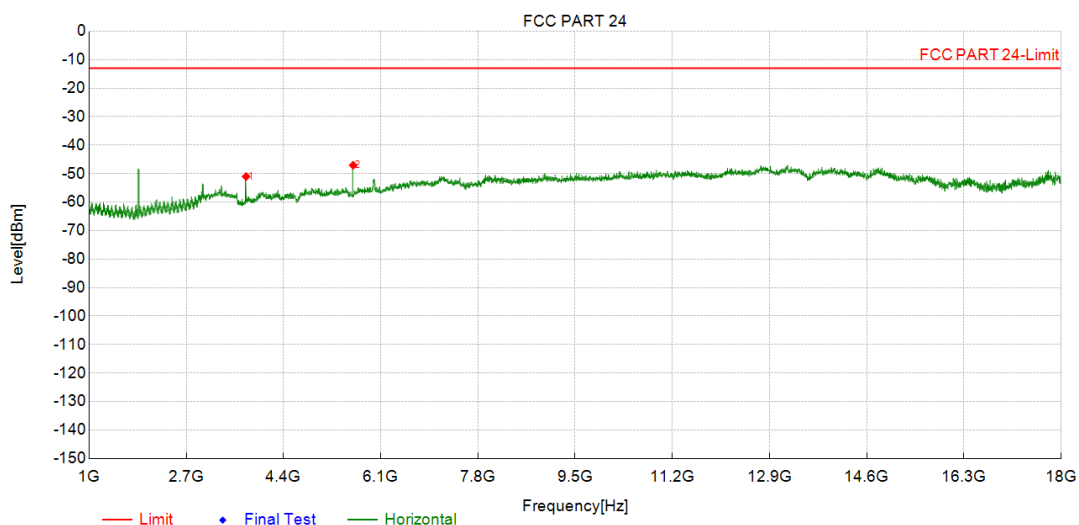
FCC PART 24-Limit

Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 376500
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	3747.1494	-49.84	-51.02	-1.18	-13.00	38.02	Horizontal	PK	PASS
2	5619.5239	-51.48	-47.05	4.43	-13.00	34.05	Horizontal	PK	PASS



Test Report No.: RF260623B002

CHANNEL BANDWIDTH		20MHz/QPSK		MODE		TX channel 376500			
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	3747.1494	-47.52	-48.69	-1.17	-13.00	35.69	Vertical	PK	PASS
2	5619.5239	-49.75	-45.55	4.20	-13.00	32.55	Vertical	PK	PASS

FCC PART 24

Level[dBm]

Frequency[Hz]

— Limit • Final Test — Vertical

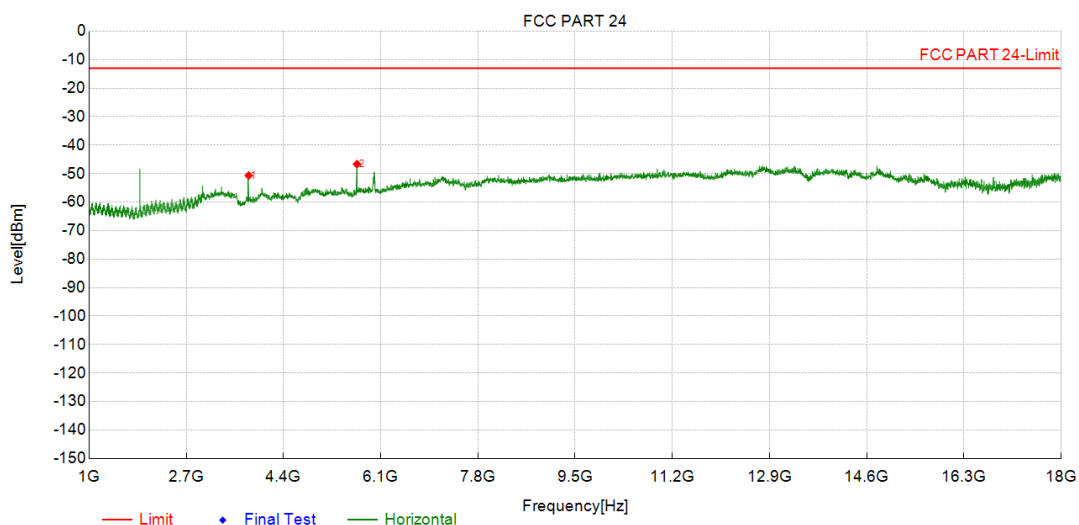
FCC PART 24-Limit

Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 381000
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	3792.1584	-49.80	-50.66	-0.86	-13.00	37.66	Horizontal	PK	PASS
2	5685.5371	-51.68	-46.66	5.02	-13.00	33.66	Horizontal	PK	PASS



Test Report No.: RF260623B002

CHANNEL BANDWIDTH	20MHz/QPSK	MODE	TX channel 381000						
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	3792.1584	-49.91	-50.77	-0.86	-13.00	37.77	Vertical	PK	PASS
2	5685.5371	-49.29	-44.31	4.98	-13.00	31.31	Vertical	PK	PASS

FCC PART 24

FCCPART24-Limit

Legend: — Limit ♦ Final Test — Vertical