

VARIANT FCC TEST REPORT

(PART 90)

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

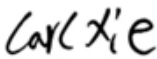
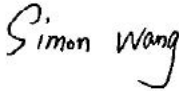
Manufacturer or Supplier	SIMCom Wireless Solutions Limited
Address	8F,Building3,No.289,Linhong Road,Changning District,Shanghai, P.R.China
Product	SIM7670G
Brand Name	SIMCom
Model Name	SIM7670G
FCC ID	2AJYU-8XS0002
Date of tests	Mar. 04, 2026 ~ Mar. 20, 2026

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

☒ FCC Part 90, Subpart R, S
☒ ANSI/TIA/EIA-603- D
☒ FCC Part 2

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

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

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

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

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P23070009RF05	Original release	Sep. 11, 2023
RF20260304B001-Part 90 Report(B26)	Based on the original report, the new product add antenna (model name:WWXL6012681). This report verify power and retest RSE. The verify results of conducted power are similar or lower. So this report update SW version, update antenna gain, ERP and RSE test data, for other data, please refer to the original report.	Mar. 20, 2026

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

LTE Band 26

The EUT has been tested according to the following specifications:

Ref Std.Clause	Test Items	Result (Pass/Fail)	Remark
§2.1046	Conducted Output Power	See note	-
-	Peak-to-Average Ratio	See note	-
§2.1049	Occupied Bandwidth	See note	-
§2.1053 § 90.691(a)	Conducted Band Edge Measurement	See note	-
§2.1051 § 90.691(a)	Emission Masks	See note	-
§2.1053 § 90.691(a)	Conducted Spurious Emissions	See note	-
§2.1055 § 90.213	Frequency Stability Temperature & Voltage	See note	-
§2.1053 §90.691	Radiated Spurious Emissions	PASS	Under limit 21.29dB at 1584.000MHz

NOTE: Please refer to the original report (Report No.: W7L-P23070009RF05, FCC ID: 2AJYU-8XS0001).

*Test Lab Information Reference

Lab A:

Boomwave Test (Shenzhen) Co., Ltd.

Lab Address:

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

Accredited Test Lab Cert 7607.01

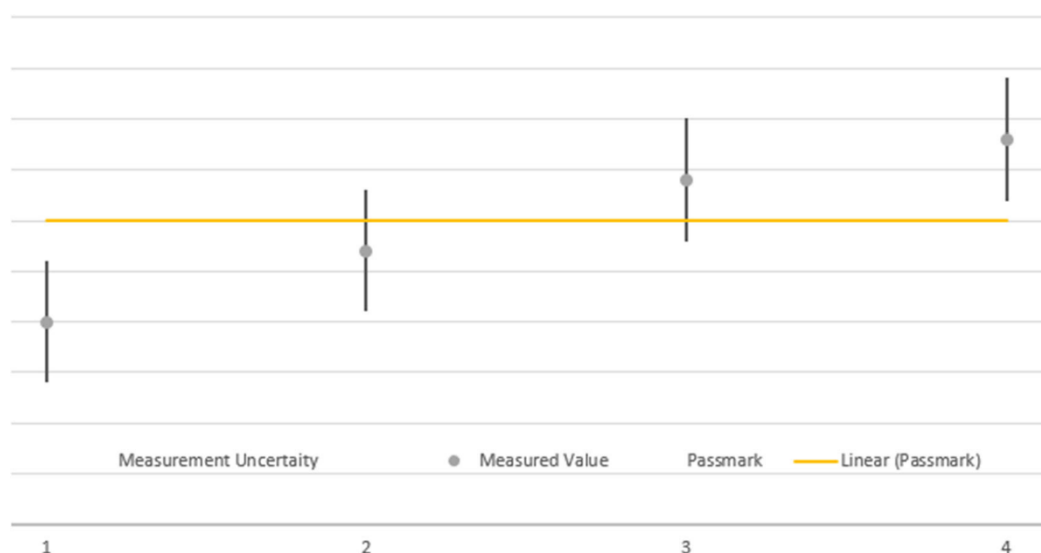
The FCC Site Registration No. is 646781; The Designation No. is CN1429.

1.1 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.66dB
Radiated emissions	9KHz ~ 30MHz	2.68dB
	30MHz ~ 1GHz	3.26dB
	1GHz ~ 18GHz	4.48dB
	18GHz ~ 40GHz	4.12dB

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



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.

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1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	2025/7/3	2026/7/2
BiConiLog Antenna	ETS-LINDGREN	3143B	161965	2025/7/17	2026/7/16
Horn Antenna	SCHWARZBECK	BBHA9120D	3297	2025/9/27	2026/9/26
Horn Antenna	STEATITE	QWH-SL-18-40-K-SG QMS-00361	15433	2025/7/19	2026/7/18
Preamplifier	Tonscend	TPA184045	AP24L8060388	2025/7/3	2026/7/2
MXE EMI Receiver	keysight	N9038B	MY50018017	2025/7/1	2026/6/30
MXG Vector Signal Generator	Keysight	N5183B	MY59100137	2025/6/30	2026/6/29
Preamplifier	Tonscend	TPA001330	806JSAPO40804251015	2025/6/30	2026/6/29
Preamplifier	Tonscend	TPA011845	AP24L8060392	2025/6/30	2026/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927166	2025/6/30	2026/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927165	2025/6/30	2026/6/29
Active Receive Loop Antenna	SCHWARZBECK	FMZB 1519 B	00173	2025/6/30	2026/6/29
Temp. & Humi. Recorder	Kejian	HTC-01	157246	2025/7/2	2026/7/1
HIGH pass FILTER_1-18	EWT	EWT-57-0222	EWT-57-0222	2025/6/30	2026/6/29
HIGH pass FILTER_7-18	EWT	EWT-57-0223	EWT-57-0223	2025/6/30	2026/6/29
HIGH pass FILTER_3-18	EWT	EWT-57-0221	EWT-57-0221	2025/6/30	2026/6/29
DC~1GHz Lowpass Filter	EWT	EWT-56-0649	EWT-56-0649	2025/7/3	2026/7/2
Cable 1	N/A	N/A	N/A	2025/9/28	2026/9/27
Cable 2	N/A	N/A	N/A	2025/9/28	2026/9/27
Cable 3	N/A	N/A	N/A	2025/9/28	2026/9/27
Wireless communication integrated tester	Rohde&Schwarz	CMW500	182016	2025/6/30	2026/6/29
EXA Signal Analyzer	KEYSIGHT	N9010B	MY62170156	2025/6/30	2026/6/29
RF Control Unit	Tonscend	JS0806-1	21K8060504	2025/6/16	2026/6/15
DC Power Supply	AGILENT	HMP2020	100598	2025/7/1	2026/6/30
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-1	2025/6/30	2026/6/29
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-2	2025/6/30	2026/6/29
hygrothermograph	Anymetrers	----	TH101B	2025/7/22	2026/7/21
Temperature Box	zhongkemeiqi	MA22040172	MQ-DTH50F-2	2025/7/1	2026/6/30
power divider	WOKEN	71688	204-003180-01	2025/6/30	2026/6/29

Boomwave Test (Shenzhen)
Co., Ltd.

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NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 646781; The Designation No. is CN1429.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	SIM7670G	
BRAND NAME	SIMCom	
MODEL NAME	SIM7670G	
NOMINAL VOLTAGE	EUT 3.8V	
MODULATION TECHNOLOGY	LTE	QPSK, 16QAM
FREQUENCY RANGE	LTE Band 26 (Channel Bandwidth: 1.4MHz)	814.7MHz ~ 823.3MHz
	LTE Band 26 (Channel Bandwidth: 3MHz)	815.5MHz ~ 822.5MHz
	LTE Band 26 (Channel Bandwidth: 5MHz)	816.5MHz ~ 821.5MHz
	LTE Band 26 (Channel Bandwidth: 10MHz)	819MHz
EMISSION DESIGNATOR	LTE Band 26 (Channel Bandwidth: 1.4MHz)	QPSK: 1M09G7D 16QAM: 1M10W7D
	LTE Band 26 (Channel Bandwidth: 3MHz)	QPSK: 2M70G7D 16QAM: 2M71W7D
	LTE Band 26 (Channel Bandwidth: 5MHz)	QPSK: 4M51G7D 16QAM: 4M50W7D
	LTE Band 26 (Channel Bandwidth: 10MHz)	QPSK: 8M99G7D 16QAM: 4M86W7D
MAX. EIRP POWER	LTE Band 26 (Channel Bandwidth: 1.4MHz)	236.59mW
	LTE Band 26 (Channel Bandwidth: 3MHz)	237.68mW
	LTE Band 26 (Channel Bandwidth: 5MHz)	237.14mW
	LTE Band 26 (Channel Bandwidth: 10MHz)	238.78mW
ANTENNA TYPE	☒ Provided by client	
	External Antenna with 2.85dBi gain for LTE B26	
HW VERSION	V2.02	
SW VERSION	V1.9.05	
I/O PORTS	Refer to user's manual	
DATA CABLE	N/A	

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EXTREME TEMPERATURE	-10-55 °C
EXTREME VOLTAGE	3.4V-4.2V

NOTE:

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

MODULATION MODE	TX FUNCTION
LTE	1TX/1RX

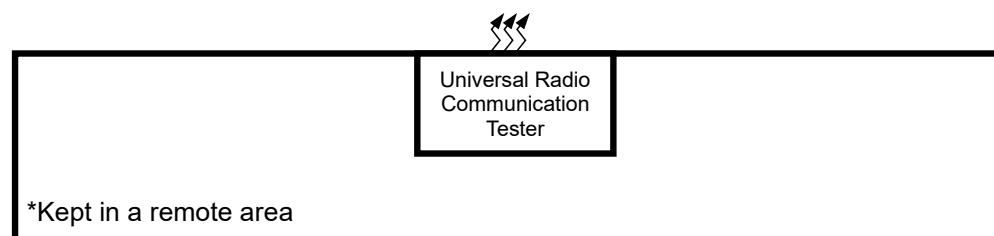
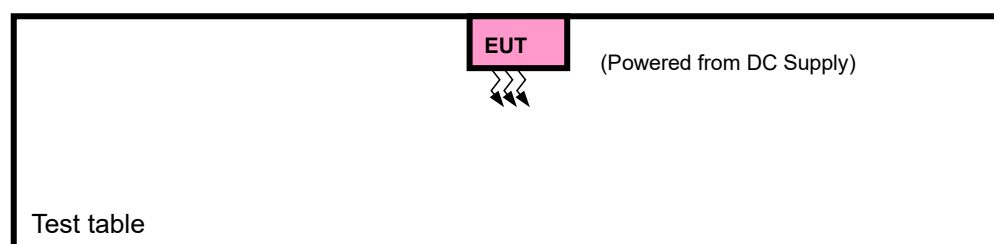
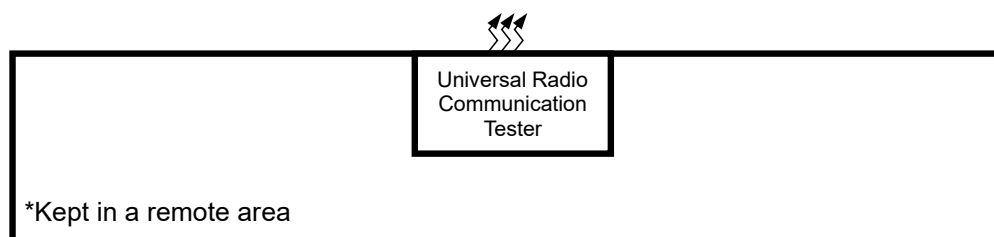
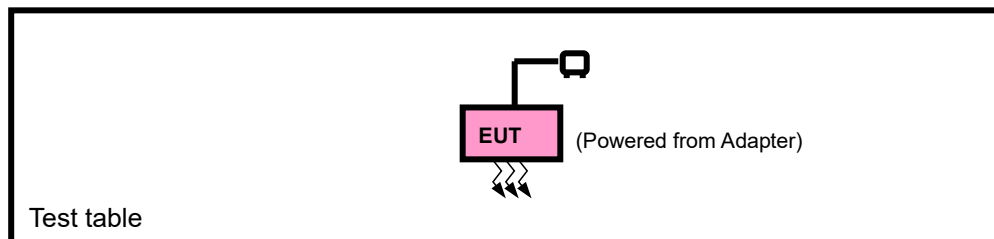
3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

4. List of Accessory:

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

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST



2.3 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Adapter	N/A	N/A	N/A	N/A

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

2.4 DESCRIPTION OF TEST MODES

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 ERP/EIRP and radiated emission was found when positioned on X-plane for LTE. Following channel(s) was (were) selected for the final test as listed below:

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

LTE BAND 26 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	ERP	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		26705 to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		26715 to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		26740	26740	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	26697 to 26783	26740	1.4MHz	QPSK	1 RB / 0 RB Offset
		26705 to 26775	26705, 26740, 26775	3MHz	QPSK	1 RB / 0 RB Offset
		26715 to 26765	26740	5MHz	QPSK	1 RB / 0 RB Offset
		26740	26740	10MHz	QPSK	1 RB / 0 RB Offset

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

TEST CONDITION			
TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP	24deg. C, 60%RH	EUT 3.8V	Carl Xie
RADIATED EMISSION	23deg. C, 70%RH	AC 120V/60Hz	Carl Xie

2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2

FCC 47 CFR Part 90

ANSI/TIA/EIA-603-D

ANSI/TIA/EIA-603-E

ANSI C63.26-2015

NOTE: All test items have been performed and recorded as per the above standards.

3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Per FCC Part 90.635(a)(b)

The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).

3.1.2 TEST PROCEDURES

EIRP / ERP MEASUREMENT:

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

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

Where:

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

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

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

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

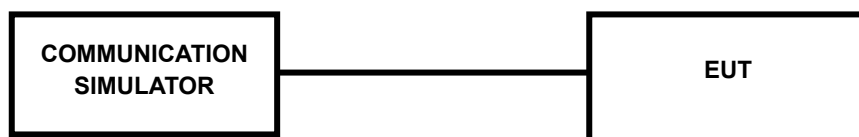
L_{C} = signal attenuation in the connecting cable between the transmitter and antenna, in dB

CONDUCTED POWER MEASUREMENT:

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

3.1.3 TEST SETUP

CONDUCTED POWER MEASUREMENT:



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



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3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

NOTE: The verify results of conducted power are similar or lower, so conducted power test data please refer to the original report (Report No.: W7L-P23070009RF05, FCC ID: 2AJYU-8XS0001).

This report only update ERP based on new antenna gain.

EIRP

EIRP Part90_LTE Band 26							
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
10M-QPSK	26740	819	23.08	2.85	23.78	238.78	100
10M-16QAM	26740	819	22.50	2.85	23.20	208.93	100
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
5M-QPSK	26715	816.5	23.02	2.85	23.72	235.50	100
	26740	819	23.01	2.85	23.71	234.96	100
	26765	821.5	23.05	2.85	23.75	237.14	100
5M-16QAM	26715	816.5	22.39	2.85	23.09	203.70	100
	26740	819	22.40	2.85	23.10	204.17	100
	26765	821.5	22.44	2.85	23.14	206.06	100
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
3M-QPSK	26705	815.5	22.97	2.85	23.67	232.81	100
	26740	819	23.05	2.85	23.75	237.14	100
	26775	822.5	23.06	2.85	23.76	237.68	100
3M-16QAM	26705	815.5	22.49	2.85	23.19	208.45	100
	26740	819	22.41	2.85	23.11	204.64	100
	26775	822.5	22.45	2.85	23.15	206.54	100
BW [MHz] Modulation	Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	Limit (W)
1.4M-QPSK	26697	814.7	23.02	2.85	23.72	235.50	100
	26740	819	23.04	2.85	23.74	236.59	100
	26783	823.3	23.00	2.85	23.70	234.42	100
1.4M-16QAM	26697	814.7	22.78	2.85	23.48	222.84	100
	26740	819	22.76	2.85	23.46	221.82	100
	26783	823.3	22.73	2.85	23.43	220.29	100

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

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

(1) The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

(2) For operations in the 763–775 MHz and 793–805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

3.2.2 TEST PROCEDURES

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

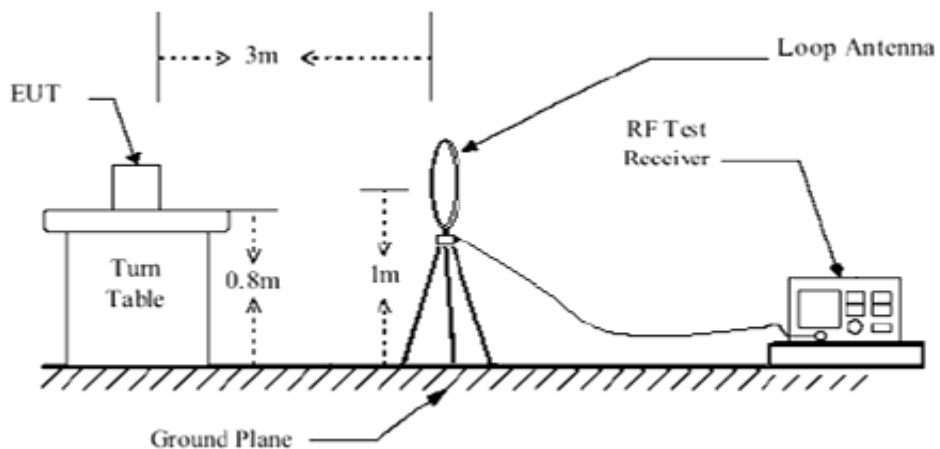
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.2.3 DEVIATION FROM TEST STANDARD

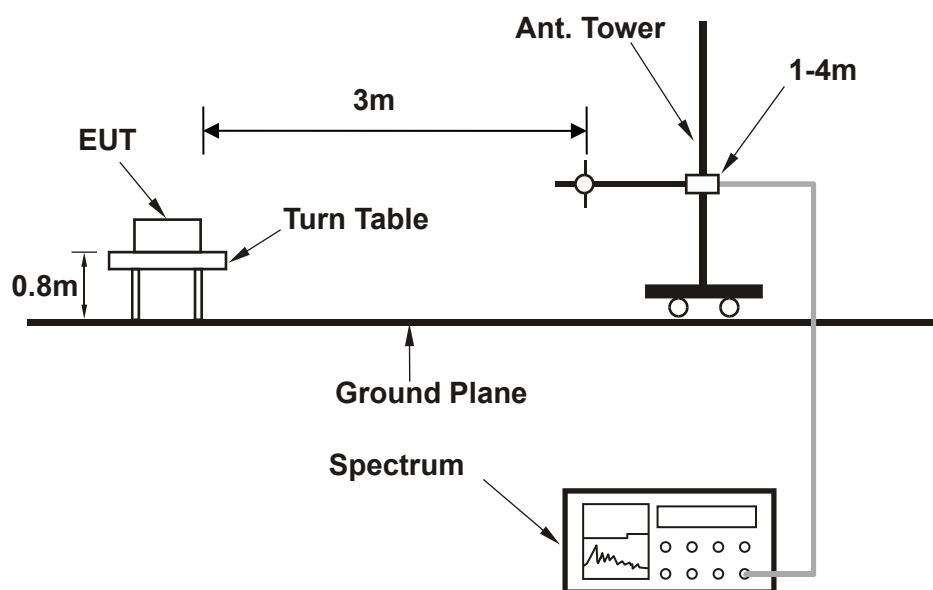
No deviation.

3.2.4 TEST SETUP

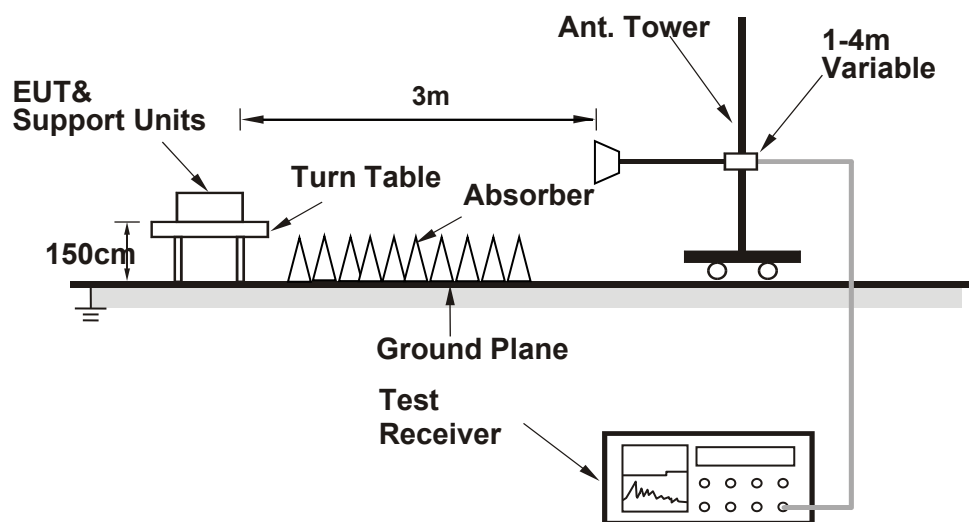
<Below 30MHz>



< Frequency Range 30MHz~1GHz >



< Frequency Range above 1GHz >



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

3.2.5 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

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

LTE Band 26 CHANNEL BANDWIDTH: 3MHz / QPSK									
MODE		TX channel 26740		FREQUENCY RANGE		30 MHz ~ 1GHz			
ENVIRONMENTAL CONDITIONS		23deg. C, 70%RH		INPUT POWER		AC 120V 60HZ			
TESTED BY		Carl Xie							
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	36.0152	-56.94	-60.61	-3.67	-13.00	47.61	Horizontal	PK	PASS
2	49.5979	-57.49	-66.65	-9.16	-13.00	53.65	Horizontal	PK	PASS
3	231.6063	-63.16	-67.91	-4.75	-13.00	54.91	Horizontal	PK	PASS
4	398.4797	-64.92	-67.22	-2.30	-13.00	54.22	Horizontal	PK	PASS
5	594.0708	-65.58	-66.73	-1.15	-13.00	53.73	Horizontal	PK	PASS
6	932.0864	-67.50	-64.29	3.21	-13.00	51.29	Horizontal	PK	PASS

FCC PART 90

Level[dBm]

Frequency[Hz]

— Limit • Final Test — Horizontal

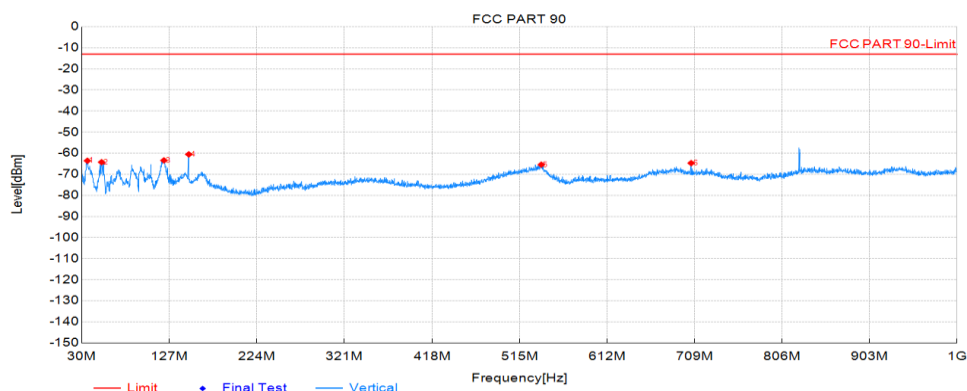
FCC PART 90-Limit

Test Report No. : RF20260304B001-Part 90 Report(B26)

MODE	TX channel 26740	FREQUENCY RANGE	30 MHz ~ 1GHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V 60HZ
TESTED BY	Carl Xie		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

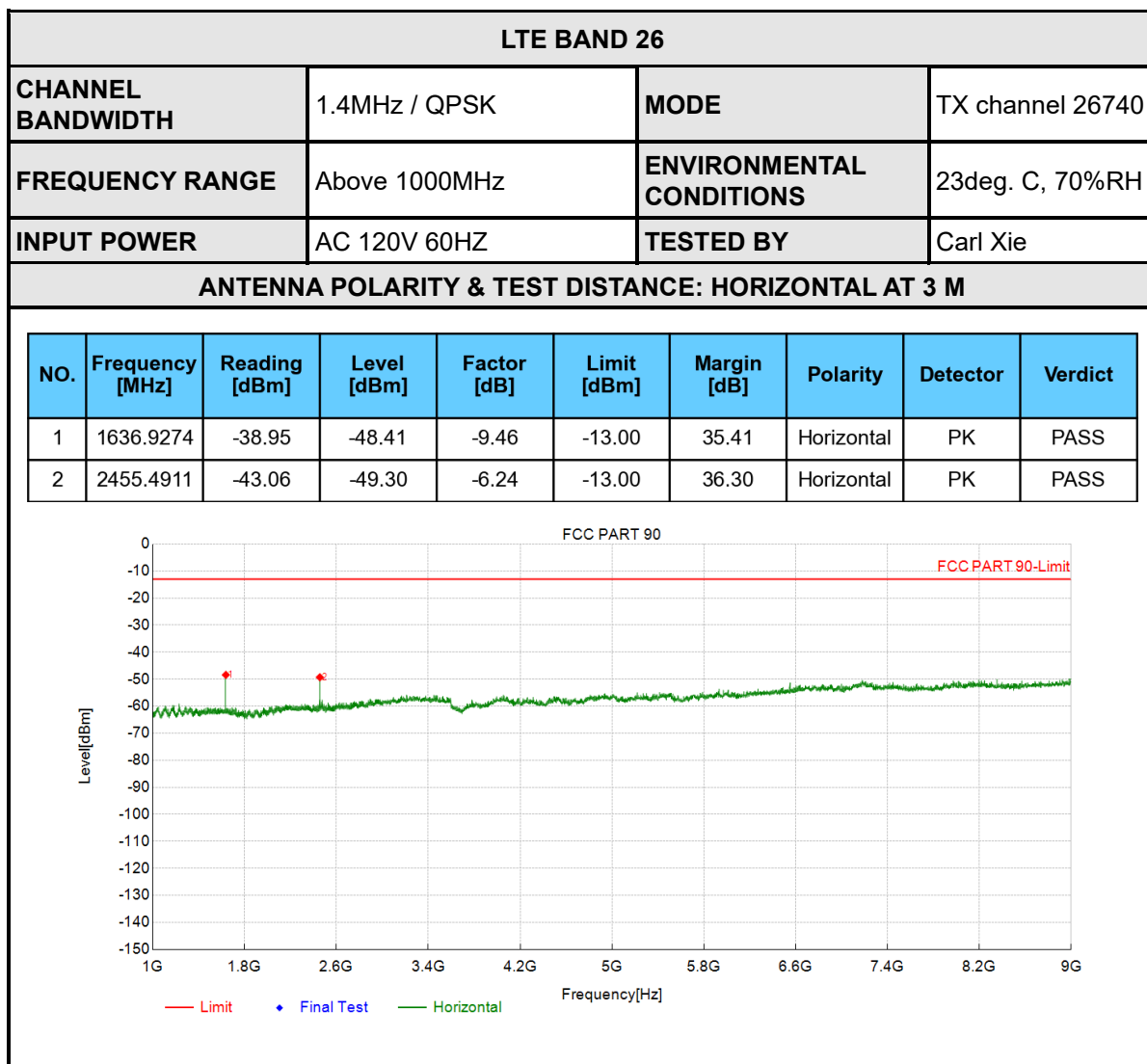
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	36.2092	-49.94	-63.58	-13.64	-13.00	50.58	Vertical	PK	PASS
2	51.9264	-44.28	-64.26	-19.98	-13.00	51.26	Vertical	PK	PASS
3	121.0042	-50.99	-63.40	-12.41	-13.00	50.40	Vertical	PK	PASS
4	148.5577	-50.66	-60.56	-9.90	-13.00	47.56	Vertical	PK	PASS
5	539.1578	-65.76	-65.44	0.32	-13.00	52.44	Vertical	PK	PASS
6	705.2551	-63.73	-64.71	-0.98	-13.00	51.71	Vertical	PK	PASS



Test Report No. : RF20260304B001-Part 90 Report(B26)

ABOVE 1GHz

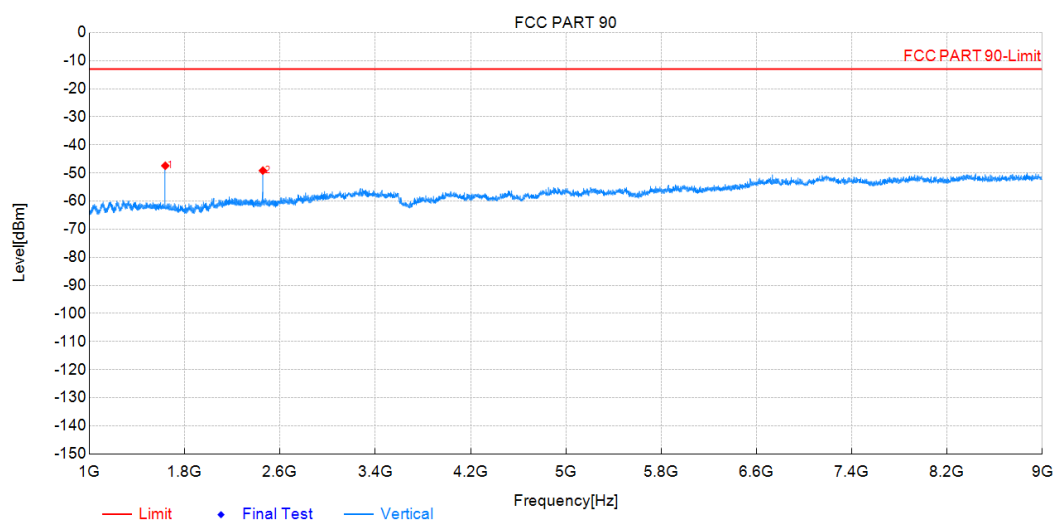
Note: For higher frequency, the emission is too low to be detected.



CHANNEL BANDWIDTH	1.4MHz / QPSK	MODE	TX channel 26760
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1636.9274	-37.88	-47.40	-9.52	-13.00	34.40	Vertical	PK	PASS
2	2455.4911	-43.03	-49.13	-6.10	-13.00	36.13	Vertical	PK	PASS

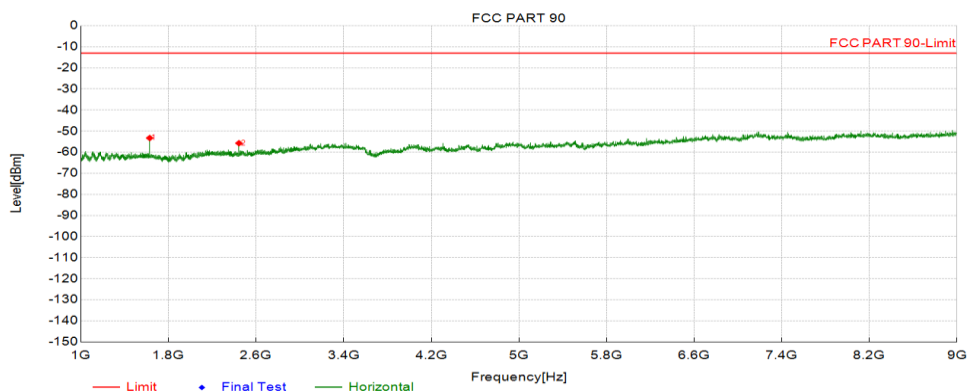


Test Report No. : RF20260304B001-Part 90 Report(B26)
CH26705

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26705
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1628.1256	-43.84	-53.27	-9.43	-13.00	40.27	Horizontal	PK	PASS
2	2443.0886	-49.44	-55.74	-6.30	-13.00	42.74	Horizontal	PK	PASS



Test Report No. : RF20260304B001-Part 90 Report(B26)

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26705
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1628.5257	-41.42	-50.93	-9.51	-13.00	37.93	Vertical	PK	PASS
2	2443.0886	-49.87	-56.02	-6.15	-13.00	43.02	Vertical	PK	PASS

FCC PART 90

Level[dBm]

Frequency[Hz]

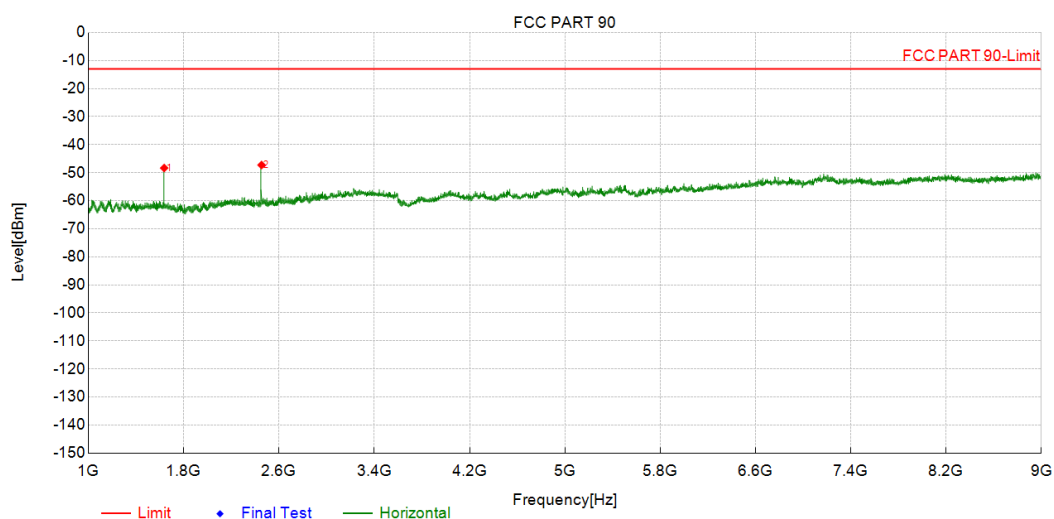
Limit Final Test Vertical

CH26740

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26740
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

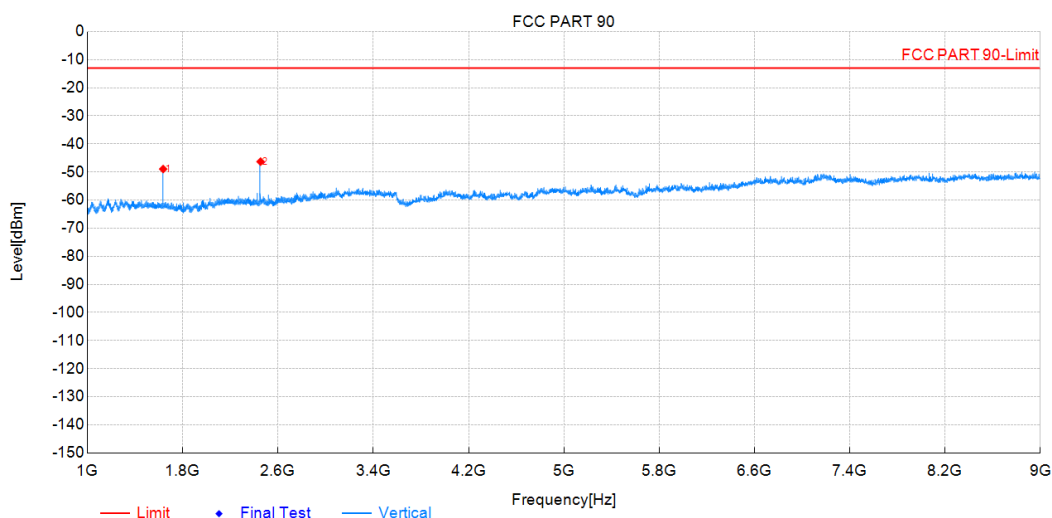
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1635.7271	-38.86	-48.31	-9.45	-13.00	35.31	Horizontal	PK	PASS
2	2453.0906	-41.01	-47.26	-6.25	-13.00	34.26	Horizontal	PK	PASS



CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26740
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1635.7271	-39.40	-48.92	-9.52	-13.00	35.92	Vertical	PK	PASS
2	2453.0906	-40.19	-46.30	-6.11	-13.00	33.30	Vertical	PK	PASS

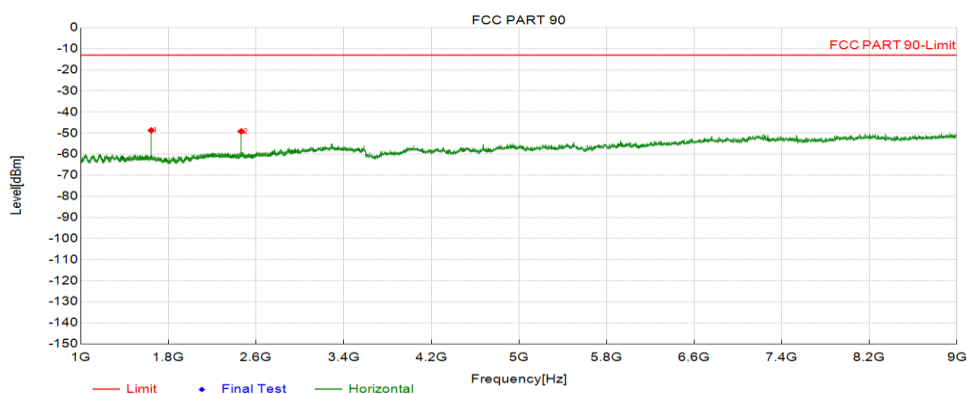


Test Report No. : RF20260304B001-Part 90 Report(B26)
CH26775

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26775
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1642.5285	-39.24	-48.71	-9.47	-13.00	35.71	Horizontal	PK	PASS
2	2463.8928	-42.98	-49.18	-6.20	-13.00	36.18	Horizontal	PK	PASS



Test Report No. : RF20260304B001-Part 90 Report(B26)

CHANNEL BANDWIDTH	3MHz / QPSK	MODE	TX channel 26775
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1642.5285	-37.76	-47.29	-9.53	-13.00	34.29	Vertical	PK	PASS
2	2463.8928	-45.20	-51.26	-6.06	-13.00	38.26	Vertical	PK	PASS

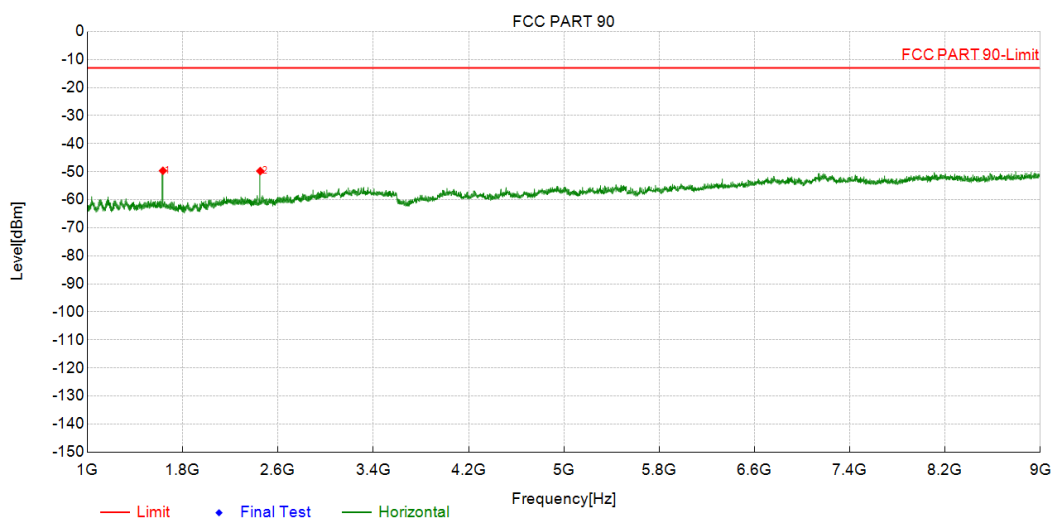
FCC PART 90

Legend: — Limit * Final Test — Vertical

CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 26740
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1633.7267	-40.20	-49.65	-9.45	-13.00	36.65	Horizontal	PK	PASS
2	2450.6901	-43.48	-49.75	-6.27	-13.00	36.75	Horizontal	PK	PASS

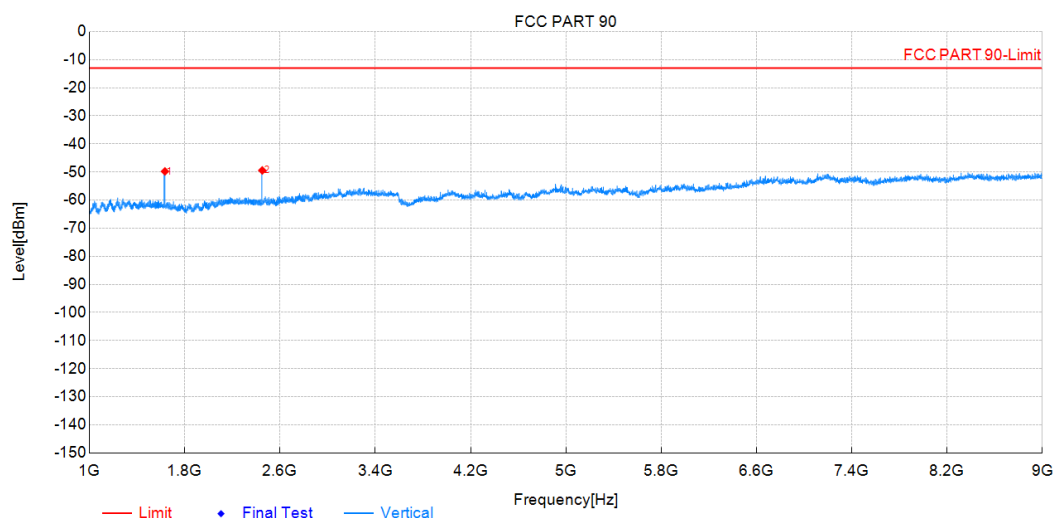


Test Report No. : RF20260304B001-Part 90 Report(B26)

CHANNEL BANDWIDTH	5MHz / QPSK	MODE	TX channel 26740
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1633.7267	-40.25	-49.77	-9.52	-13.00	36.77	Vertical	PK	PASS
2	2450.6901	-43.29	-49.42	-6.13	-13.00	36.42	Vertical	PK	PASS

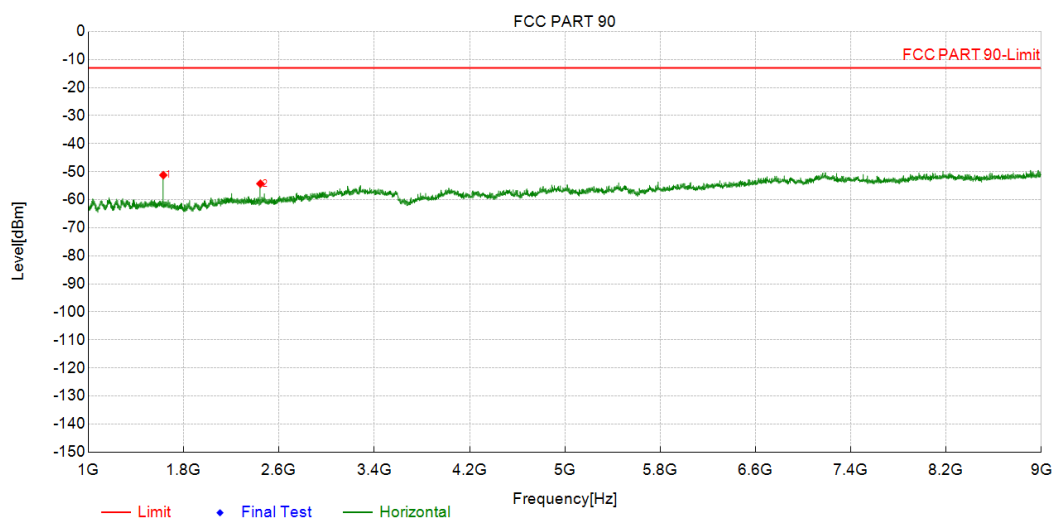


Test Report No. : RF20260304B001-Part 90 Report(B26)

CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 26740
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

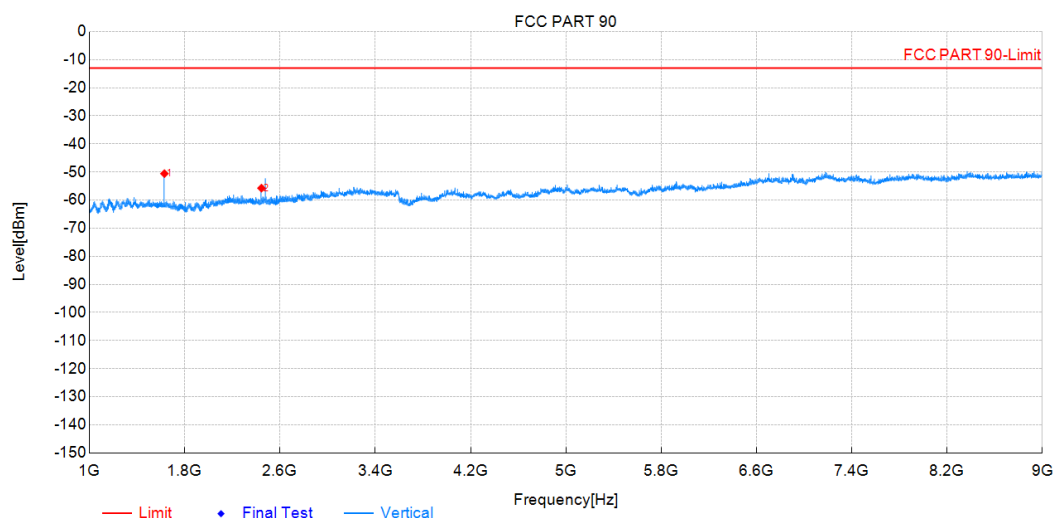
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1628.9258	-41.79	-51.22	-9.43	-13.00	38.22	Horizontal	PK	PASS
2	2443.8888	-47.97	-54.27	-6.30	-13.00	41.27	Horizontal	PK	PASS



CHANNEL BANDWIDTH	10MHz / QPSK	MODE	TX channel 26740
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V 60HZ	TESTED BY	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	1629.3259	-41.04	-50.55	-9.51	-13.00	37.55	Vertical	PK	PASS
2	2443.8888	-49.58	-55.73	-6.15	-13.00	42.73	Vertical	PK	PASS





Test Report No. : RF20260304B001-Part 90 Report(B26)

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

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

5 INFORMATION ON THE TESTING LABORATORIES

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

Boomwave Test (Shenzhen) Co., Ltd.

Lab Address:

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

Accredited Test Lab Cert 7607.01

Shenzhen EMC/RF Lab:

Mobile: +86 15118052731

Email: shimin.wang@boomwavelab.com

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

No modifications were made to the EUT by the lab during the test.

---END---