



Japan Radio Test Report

of

Equipment Under Test	:	Mouse
Model Number	:	NP-01S V3 Wireless
Series Model Number	:	NP-01S V3 W Wireless, NP-01S V3 P Wireless, NP-01S V3 DP Wireless, NP-01S V3 LG Wireless, NP-01S V3 GR Wireless, NP-01S V3 B Wireless, NP-01S V3 LB Wireless, NP-01S V3 FG Wireless, NP-01S V3 LD Wireless, NP-01S V3 SY Wireless, NP-01S V3 AQ Wireless

Issue to

Applicant	:	VAXEE Corporation
Address	:	No. 61-3, Sec. 2, Jiayuan Rd., Shulin Dist., New Taipei City 23804 , Taiwan
Trade Name	:	VAXEE

Test Performed by

WEISHANG Certification Co., Ltd. 12F-3, No. 27-1, Ln. 169, Kangning St., Xizhi Dist, New Taipei City 221, Taiwan Tel: (02)7708-0159 Fax: (02)7708-0282
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1. General Information

Equipment Under Test	Mouse
Model Number	NP-01S V3 Wireless
Series Model Number	The difference among of models NP-01S V3 W Wireless, NP-01S V3 P Wireless, NP-01S V3 DP Wireless, NP-01S V3 LG Wireless, NP-01S V3 GR Wireless, NP-01S V3 B Wireless, NP-01S V3 LB Wireless, NP-01S V3 FG Wireless, NP-01S V3 LD Wireless, NP-01S V3 SY Wireless, NP-01S V3 AQ Wireless is different appearance colour. All covered models have electrically identical on the circuitry to each other, within the model designations for sales purposes only.
Applicant	VAXEE Corporation
Manufacture	VAXEE Corporation

1.1 EUT Description

Serial Number	: 1003
Receipt Date	: Jan. 7, 2026
Input Voltage	: 1) DC 5V --- From USB 2) DC 3.8V --- From Battery
Power From	: ☒ Inside ☒ Outside ☐ Adaptor ☒ Battery ☐ AC Power Source ☐ DC Power Source ☒ Support Unit PC
Operate Frequency	: Refer to the channel list as described below
Modulation Technique	: GFSK
Data Rate	: 1M bps
Number of Channels	: 40
Channel spacing	: ☐ N/A ☒ 2 MHz
Antenna Type	: ☒ integral antenna: <u>PCB Antenna</u> ☐ a dedicated antenna
Antenna gain	: -2.02 dBi



CERTIFICATE OF COMPLIANCE

According to

TELEC-T401 (2022-10):

- Item 19 of Article 2

MIC notification No. 88 of 2004, Annex 43:

- Article 2 Paragraph 1 Item 19

Output Power	:	GFSK: 1.406 mW
Carrier Sense	:	☐ Yes ☒ No
ITU Designator	:	1M31F1D

Measurement procedure used:

TELEC-T401 V10.2 (2022-10)

The above equipment was tested by WEISHANG Certification Co., Ltd. for compliance with the requirements set forth in the TELEC-T401 and the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested.

This test report shall not be allowed to reproducing in part without written approval of WEISHANG Certification Co., Ltd.

Approved by:

Reviewed by:

FEB. 23, 2026

Ban In

FEB. 23, 2026

Jeff

Date

Engineering Supervisor

Date

Test Engineer



2. Test Configuration of Equipment under Test

2.1 Test Mode and Test Software

- Test Software: PXI_LinK_EMI_Tool
- The following test mode and test software was performed for RF test:
 - CH00: 2402MHz, CH19: 2440MHz, CH39: 2480MHz

2.2 Carrier Frequency of Channels

Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	21	2444
01	2404	22	2446
02	2406	23	2448
03	2408	24	2450
04	2410	25	2452
05	2412	26	2454
06	2414	27	2456
07	2416	28	2458
08	2418	29	2460
09	2420	30	2462
10	2422	31	2464
11	2424	32	2466
12	2426	33	2468
13	2428	34	2470
14	2430	35	2472
15	2432	36	2474
16	2434	37	2476
17	2436	38	2478
18	2438	39	2480
19	2440		
20	2442		

2.3 General Information of Test

Test Voltage:	Normal Voltage : 3.8V Extreme Voltage(+10%) : 4.18V Extreme Voltage(-10%) : 3.42V
---------------	---

2.4 Measurement Uncertainty

Measurement Item	Uncertainty
Frequency Error	±0.13ppm
Occupied Bandwidth	±0.03MHz
Spread Bandwidth	±0.03MHz
Output Power Tolerance	±0.015mW
TX/RX Spurious Emissions	±0.017mW
Carrier Sensing Function	±0.05mV



TABLELIST OF TEST AND MEASUREMENT EQUIPMENT

Item	Instrument	Manufacturer	Model No.	S/N	Last Cal. Date	Next Cal. Date	Calibration Authority	Cal. Method (See the note)
1.	Spectrum Analyzer	HP	8691EM	72412A00110	2025/04/13	2026/04/13	ETC	c)
2.	Pre Amplifier	MLT	PREAMP6G-01	20110209	2025/03/18	2026/03/18	ETC	c)
3.	Pre Amplifier	MLT	PREAMP6G-02	20110301	2025/03/18	2026/03/18	ETC	c)
4.	Biconilog Antenna	EMCO	3142C	00044568	2025/11/14	2026/11/14	ETC	c)
5.	Spectrum Analyzer	Agilent	E7403A	US40240137	2025/01/12	2026/01/12	ETC	c)
					2026/01/12	2027/01/12		
6.	LISN	EMCO	3825/2	2654	2025/12/09	2026/12/09	ETC	c)
7.	Spectrum Analyzer	Agilent	E4446A	US44300422	2025/03/14	2026/03/14	ETC	c)
8.	Home Antenna	SCHWARZBECK	BBHA 9120D	304	2025/02/20	2026/02/20	ETC	c)
9.	Home Antenna	SCHWARZBECK	BBHA 9170	9170181	2025/12/04	2026/12/04	ETC	c)
10.	Pre Amplifier	MLT	0.10~19.1GHz 60dBm	RF01	2025/03/18	2026/03/18	ETC	c)
11.	Pre Amplifier	Herotek	A402-417	30690	2025/11/27	2026/11/27	ETC	c)
12.	Spectrum Analyzer	Agilent	N9010A	MY50060164	2025/03/28	2026/03/28	ETC	c)
13.	Signal Generator	Agilent	8648C	3629U00612	2025/07/31	2026/07/31	ETC	c)
14.	Power Meter	Anritsu	ML2495A	1224005	2025/07/31	2026/07/31	ETC	c)
15.	Power Sensor	Anritsu	MA2411B	1207295	2025/07/31	2026/07/31	ETC	c)

★ The calibrations are traceable to NML/R.O.C.

★ Calibration interval of instruments listed above is one year

★ Note: Calibration Method

a) : Calibration conducted by the National Institute of Information and Communications Technology(NICT) or a designated calibration agency under Article 102-18 paragraph (1) of the Radio Law.

b) : Calibration conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) Japan Calibration Service System.

c) : Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

d) : Calibration conducted by using other equipment that listed above from a) to c).



3. Transmitter Parameters

3.1 Frequency Error

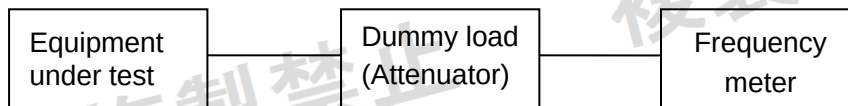
3.1.1 Test Limit

Limits: $\pm 50 \times 10^{-6}$, 50ppm

3.1.2 Test Procedures

According to TELECOM-T401, Test item frequency error measuring procedures.

3.1.3 Test Setup



3.1.4 Test Result and Data

Test date: Jan. 08, 2026

Ambient temperature: 20°C

Atmospheric pressure: 1019hPa

Relative humidity: 60%

Test Conditions	Operation Frequency (MHz) / Frequency Error (ppm)					
	CH0 2402MHz		CH19 2440MHz		CH39 2480MHz	
Modulation type: GFSK						
Vnom	2401.9662	-14.07	2439.9644	-14.59	2479.9624	-15.16
Vmax	2401.9537	-19.28	2439.9653	-14.22	2479.9600	-16.13
Vmin	2401.9736	-10.99	2439.9458	-22.21	2479.9613	-15.60



3.2 Occupied Bandwidth

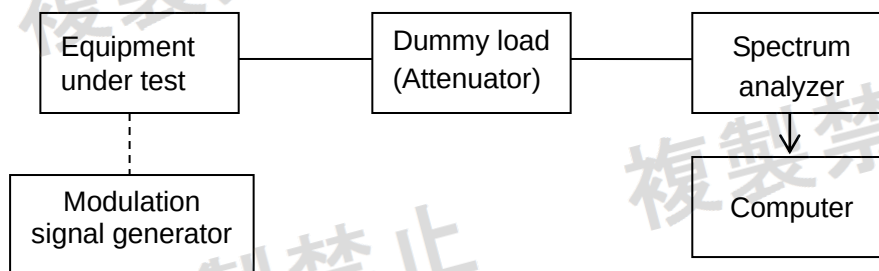
3.2.1 Test Limit

Modulation type	Occupied Band Width
FH、FH+DS、FH+OFDM	< 83.5 MHz
DS	< 26 MHz
Other	< 26 MHz
802.11n HT40	< 38 MHz

3.2.2 Test Procedures

According TELEC-T401, test item occupied bandwidth and spreading bandwidth, measuring procedures.

3.2.3 Test Setup



3.2.4 Test Result and Data

Test date: Jan. 08, 2026

Ambient temperature: 20°C

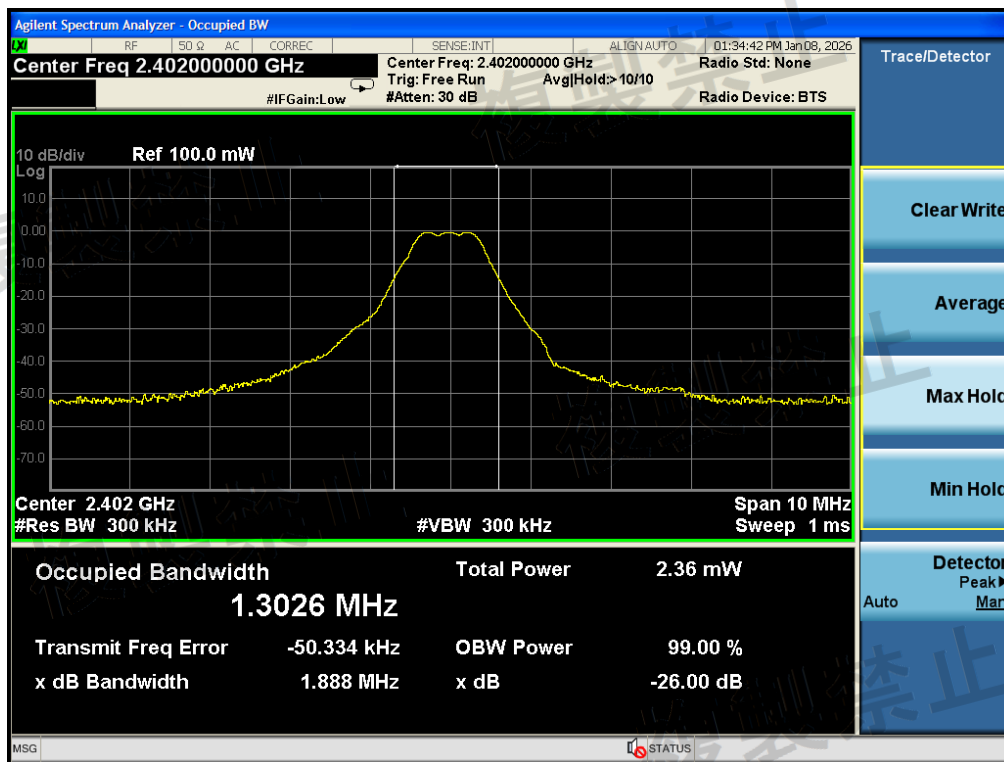
Atmospheric pressure: 1019hPa

Relative humidity: 60%

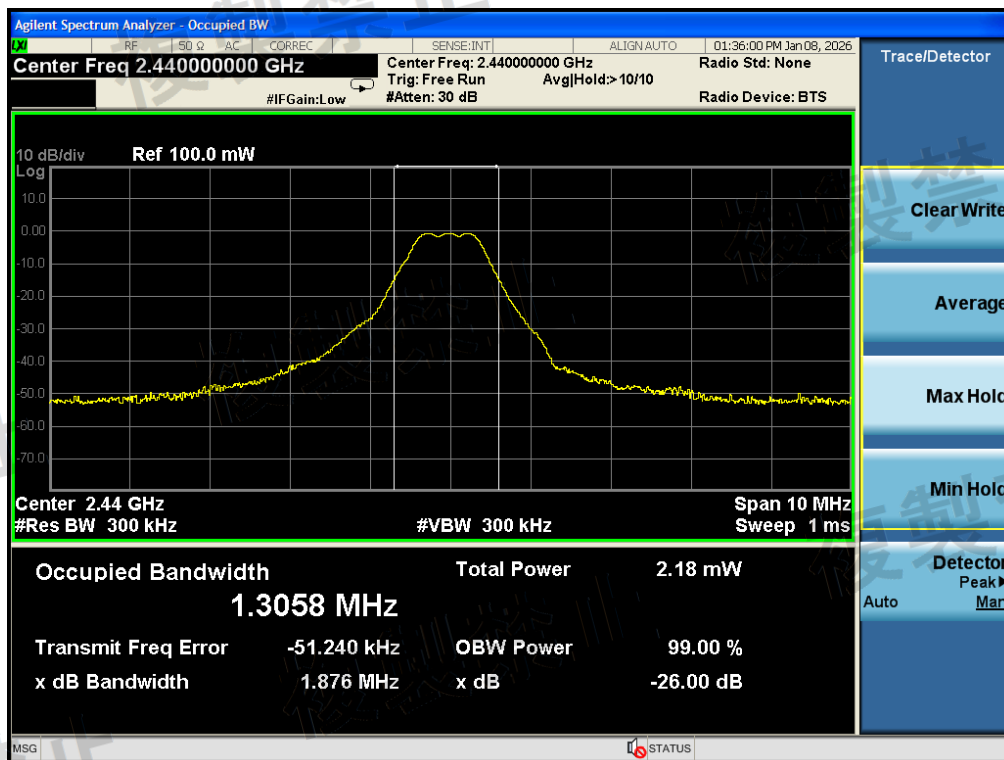
Test Conditions	Operation Frequency (MHz) / Occupied Bandwidth (MHz)		
	CH0 2402MHz	CH19 2440MHz	CH39 2480MHz
Modulation type: GFSK			
Vnom	1.30	1.31	1.31
Vmax	1.30	1.30	1.30
Vmin	1.30	1.31	1.31



Modulation Type: GFSK
Channel: 2402MHz

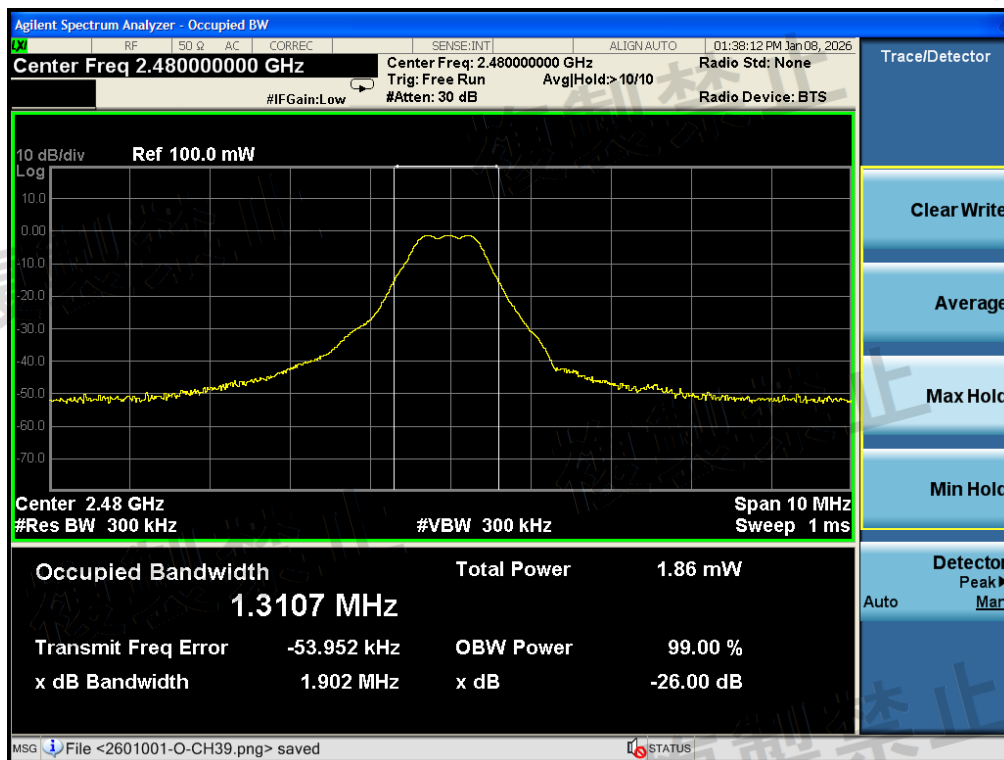


Channel: 2440MHz





Channel: 2480MHz





3.3 RF Output Power Tolerance

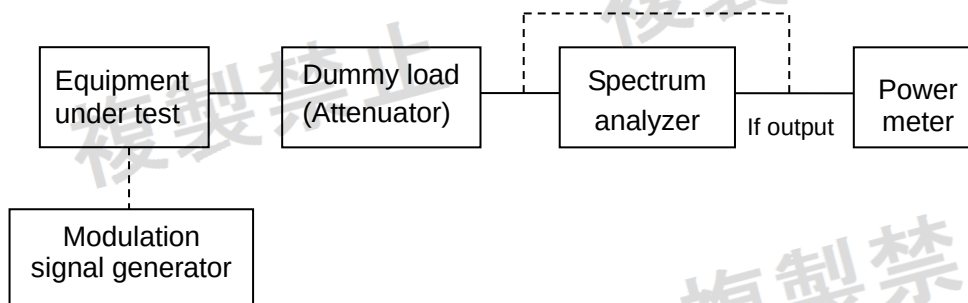
3.3.1 Test Limit

1. tolerance: +20 % ~ - 80%
2. output power:
 - (1) FH、FH+DS、FH+OFDM < 3mW/MHz
 - (2) OFDM、DS < 10mW/MHz
 - (3) Other < 10mW

3.3.2 Test Procedure

According to TELEC-T401, test item antenna power error measuring procedure.

3.3.3 Test Setup



3.3.4 Test Result and Data

Test date: Jan. 08, 2026

Ambient temperature: 20℃

Atmospheric pressure: 1019hPa

Relative humidity: 60%

Test Conditions	Operation Frequency (MHz) / Output Power					
	CH0 2402MHz		CH19 2440MHz		CH39 2480MHz	
	mW	%	mW	%	mW	%
Modulation type: GFSK						
Vnom	1.406	0.00	1.300	-7.54	1.109	-21.12
Vmax	1.397	-0.64	1.291	-8.18	1.130	-19.63
Vmin	1.400	-0.43	1.279	-9.03	1.100	-21.76



3.4 Spurious Emissions

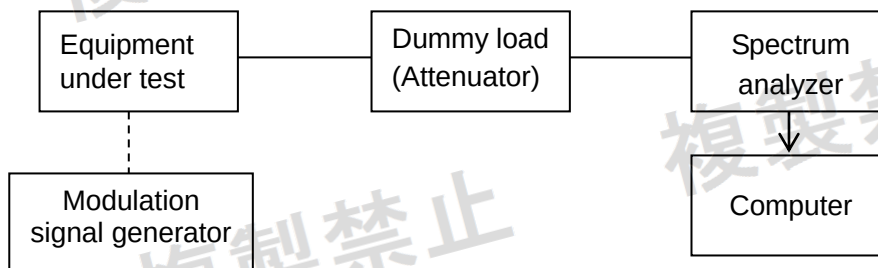
3.4.1 Test Limit

	Frequency Band (For 2400 ~ 2483.5 MHz)	Limit
*1	<2387MHz	2.5 μ W/MHz
*2	2387MHz ~ 2400MHz	25 μ W/MHz
*3	2483.5MHz ~ 2496.5MHz	25 μ W/MHz
*4	>2496.5MHz	2.5 μ W/MHz

3.4.2 Test Procedure

According to TELEC-T401 Spurious and unwanted emission intensity measuring procedure.

3.4.3 Test Setup





3.4.4 Test Result and Data

Test date: Jan. 08, 2026

Ambient temperature: 20°C

Atmospheric pressure: 1019hPa

Relative humidity: 60%

Modulation type: GFSK						
Test Conditions	Operation Frequency (MHz) / Spurious Emission					
	CH0 2402MHz		CH19 2440MHz		CH39 2480MHz	
	< 2387MHz		< 2387MHz		< 2387MHz	
	MHz	μW/MHz	MHz	μW/MHz	MHz	μW/MHz
Vnom	2379.90	0.001	2335.10	0.001	2226.70	0.001
Vmax	2444.12	0.001	2220.10	0.001	2223.00	0.001
Vmin	2180.50	0.001	2200.00	0.001	2226.70	0.001
	2387 ~ 2400MHz		2387 ~ 2400MHz		2387 ~ 2400MHz	
Vnom	2399.99	0.026	2391.98	0.001	2392.99	0.001
Vmax	2400.00	0.025	2391.98	0.001	2345.45	0.001
Vmin	2397.15	0.025	2390.88	0.001	2301.00	0.001
	2483.5 ~ 2496.5MHz		2483.5 ~ 2496.5MHz		2483.5 ~ 2496.5MHz	
Vnom	2487.30	0.001	2487.97	0.001	2483.63	0.002
Vmax	2488.10	0.001	2488.00	0.001	2483.99	0.001
Vmin	2491.01	0.001	2485.10	0.001	2487.06	0.001
	>2496.5MHz		>2496.5MHz		>2496.5MHz	
Vnom	5816.00	0.001	4881.00	0.002	4955.00	0.002
Vmax	5845.00	0.001	4881.00	0.002	4955.00	0.001
Vmin	5800.00	0.001	4881.00	0.001	4955.00	0.002

Note: 1. "---" means that no emissions were detected and there for it is a "PASS"

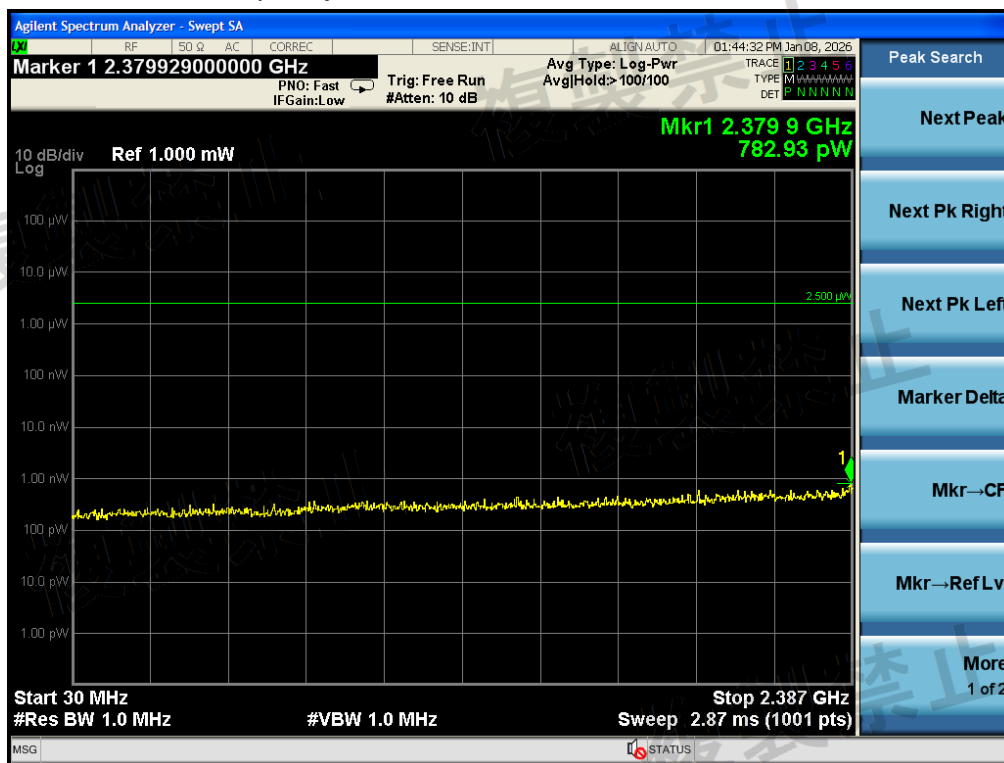
2. The compensation factor 15.2dB is included in the test result.

3. "*" means the worst emission level for each frequency band

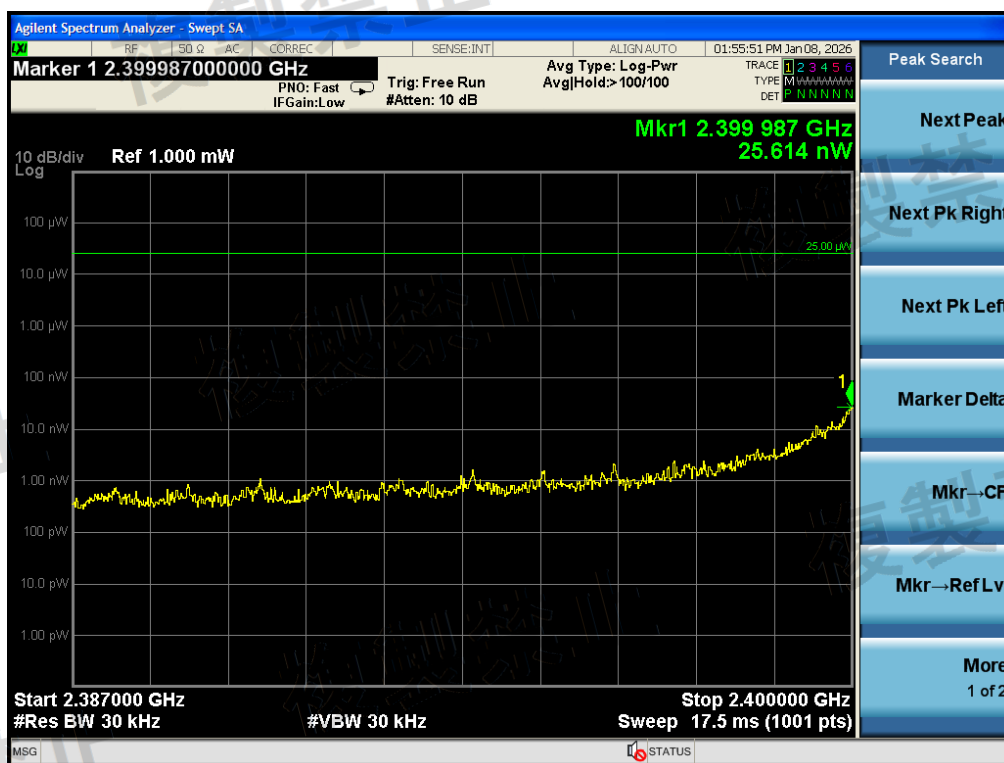


Modulation type: GFSK

Channel: 2402MHz, Frequency Band: < 2387MHz

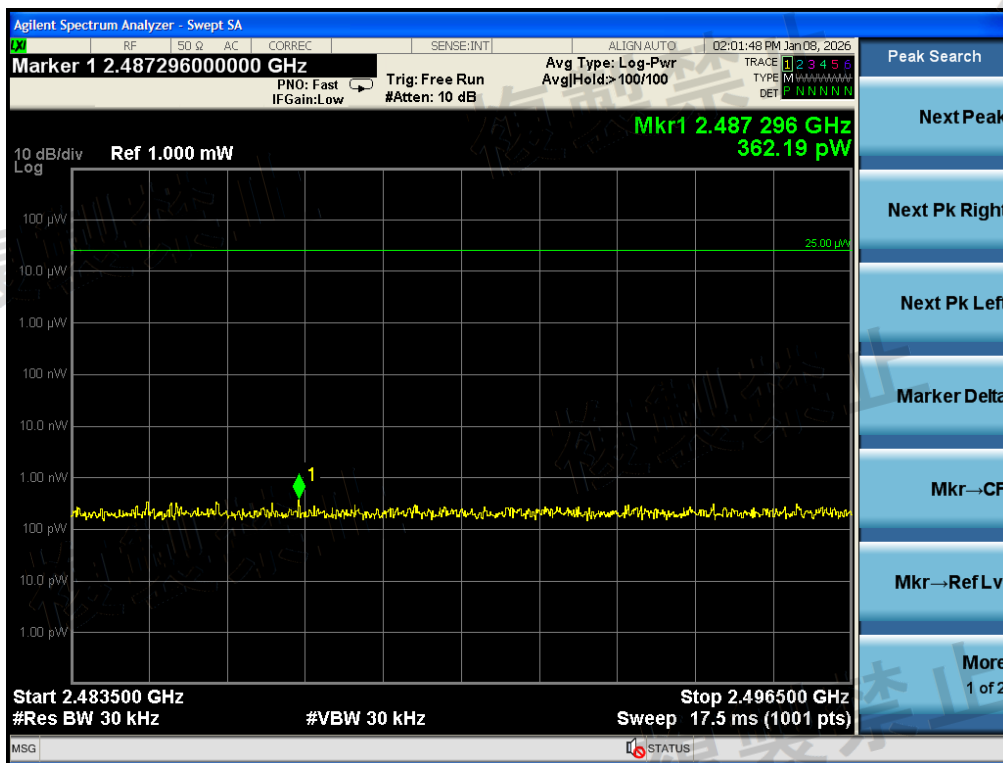


Channel: 2402MHz, Frequency Band: 2387 ~ 2400MHz

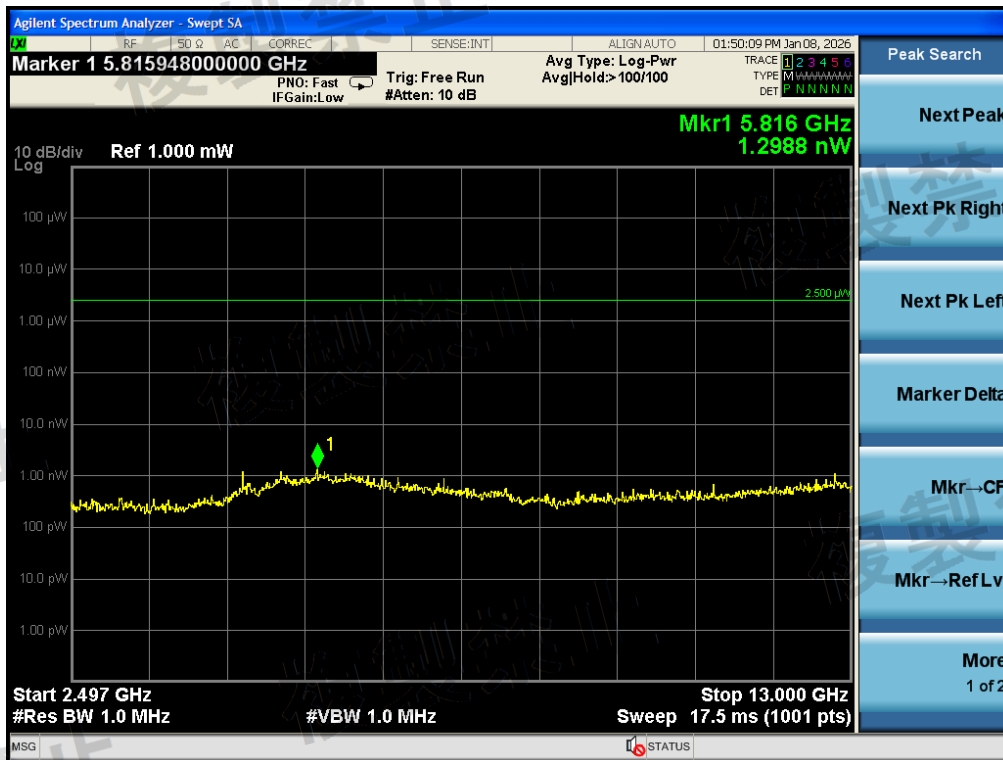




Channel: 2402MHz, Frequency Band: 2483.5 ~ 2496.5MHz

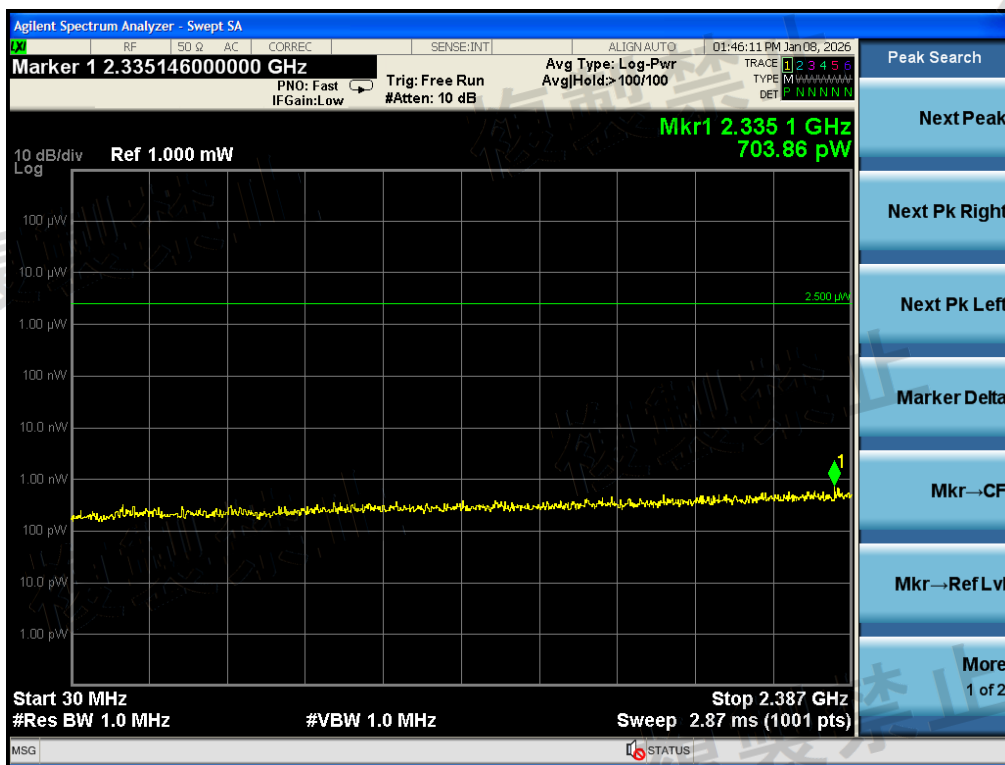


Channel: 2402MHz, Frequency Band: >2496.5MHz

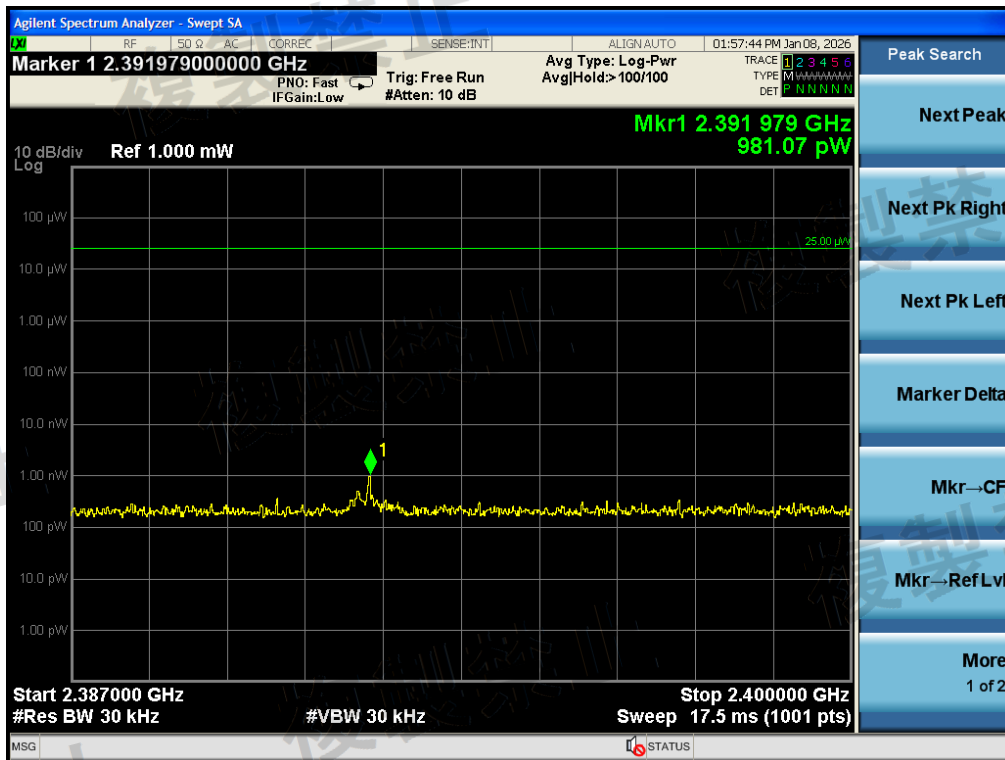




Channel: 2440MHz, Frequency Band: < 2387MHz

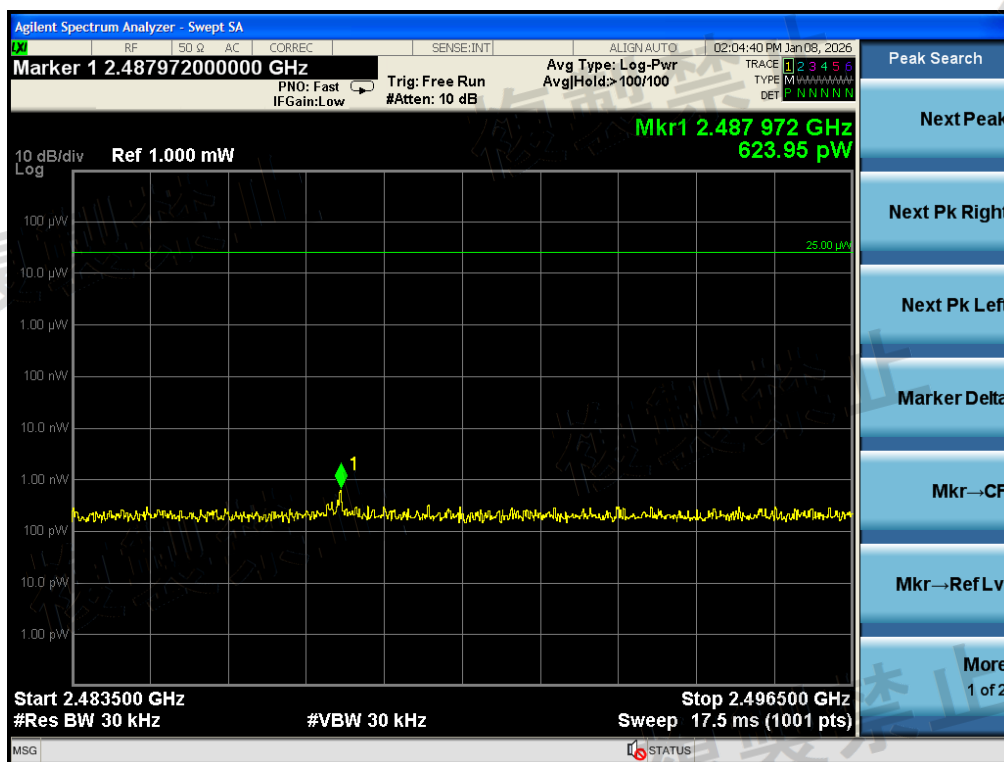


Channel: 2440MHz, Frequency Band: 2387 ~ 2400MHz

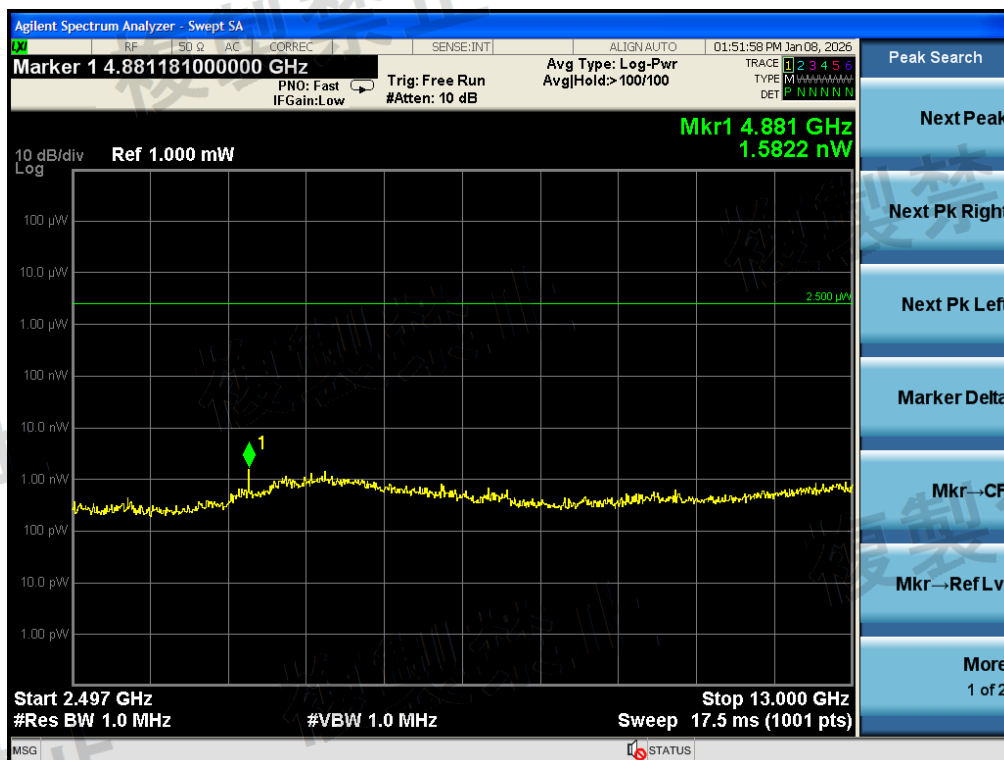




Channel: 2440MHz, Frequency Band: 2483.5 ~ 2496.5MHz

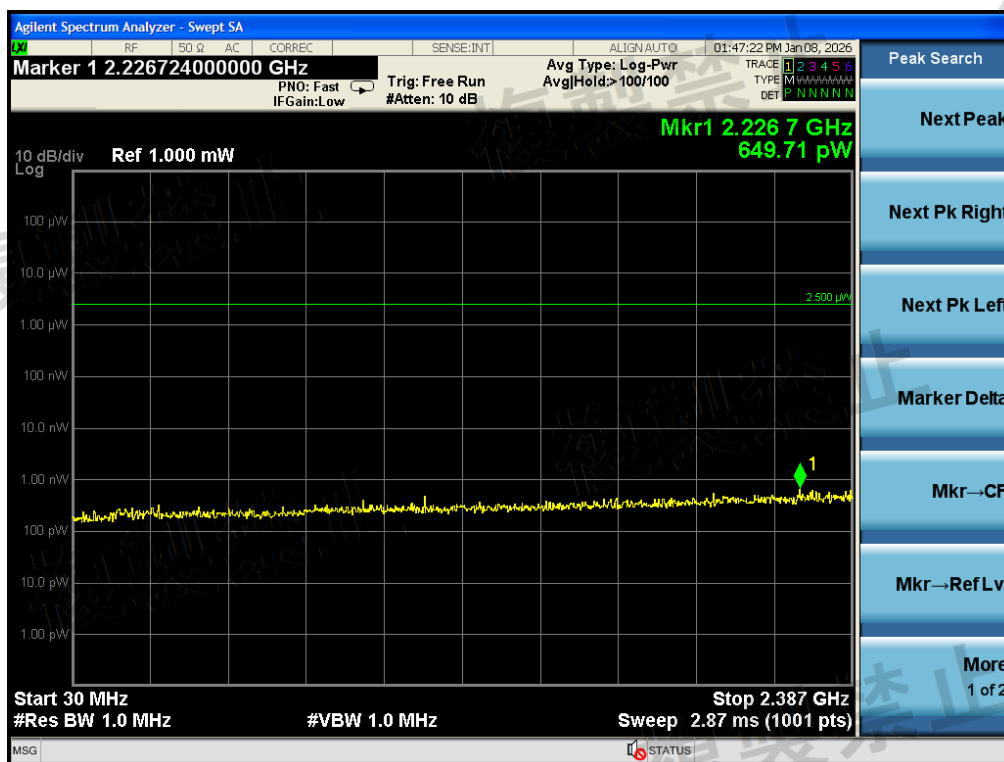


Channel: 2440MHz, Frequency Band: >2496.5MHz

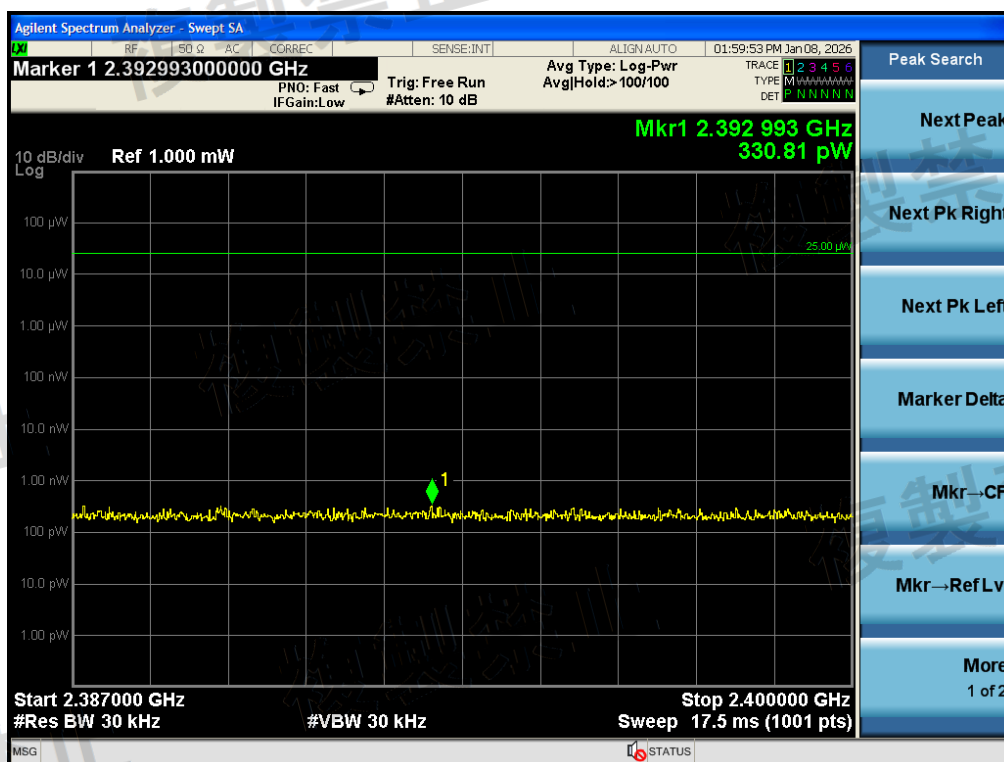




Channel: 2480MHz, Frequency Band: < 2387MHz

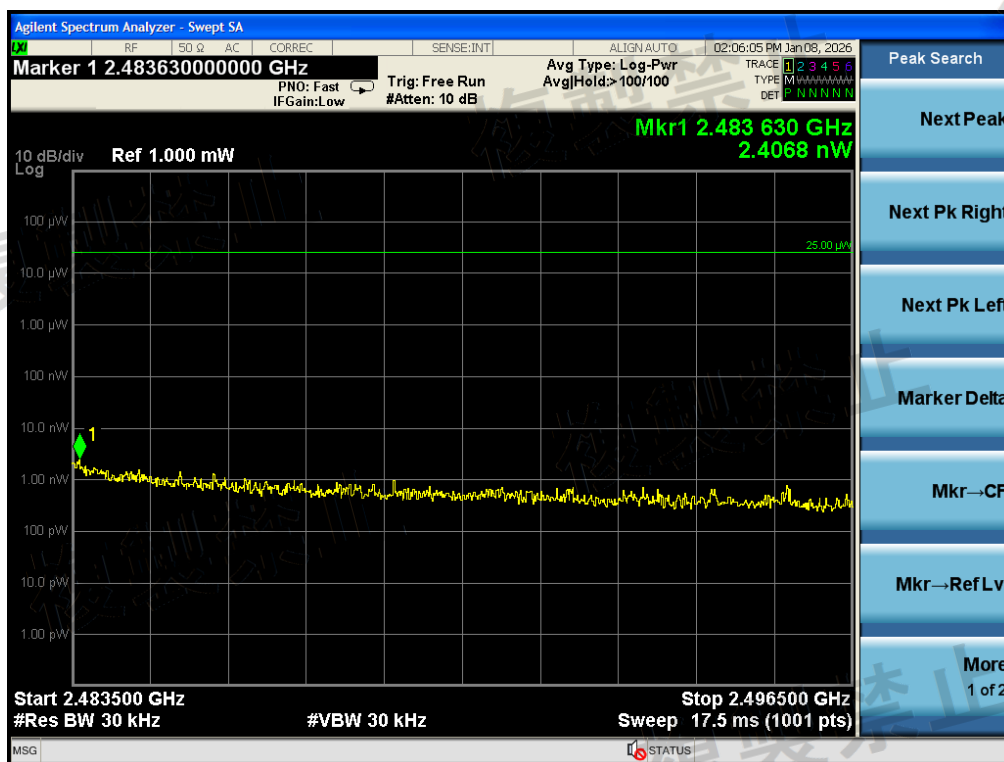


Channel: 2480MHz, Frequency Band: 2387 ~ 2400MHz

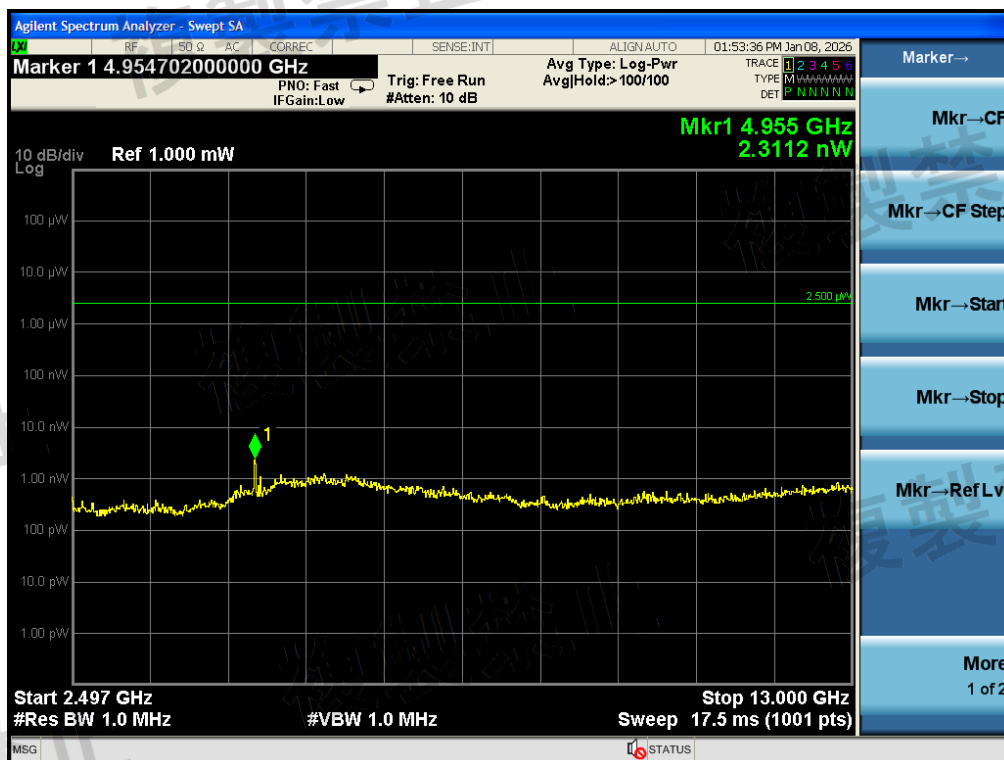




Channel: 2480MHz, Frequency Band: 2483.5 ~ 2496.5MHz



Channel: 2480MHz, Frequency Band: >2496.5MHz





3.5 Interference Prevention Function

3.5.1 Test Procedures

According to TELEC-T401, test item Interference prevention function, measuring procedures.

3.5.2 Test Setup



3.5.3 Test Result and Data

Test date: Jan. 08, 2026

Ambient temperature: 20°C

Atmospheric pressure: 1019hPa

Relative humidity: 60%

Radio Interference Prevention Function	
ID Code	Result
MAC Address: 1C:3B:93:EE:F3:EC	Pass



4. Receiver Parameters

4.1 Spurious Emissions

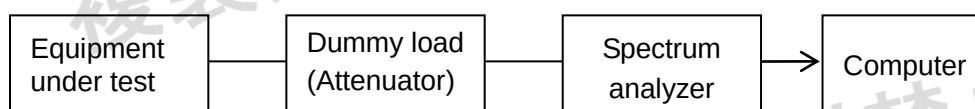
4.1.1 Test Limit

Modulation type	Limit
<1GHz	4nW
1GHz ~ 12.5GHz	20nW

4.1.2 Test Procedures

According to TELEC-T401 Limit of secondary radiated emissions measuring procedure.

4.1.3 Test Setup





4.1.4 Test Result and Data

Test date: Jan. 08, 2026

Ambient temperature: 20℃

Atmospheric pressure: 1019hPa

Relative humidity: 60%

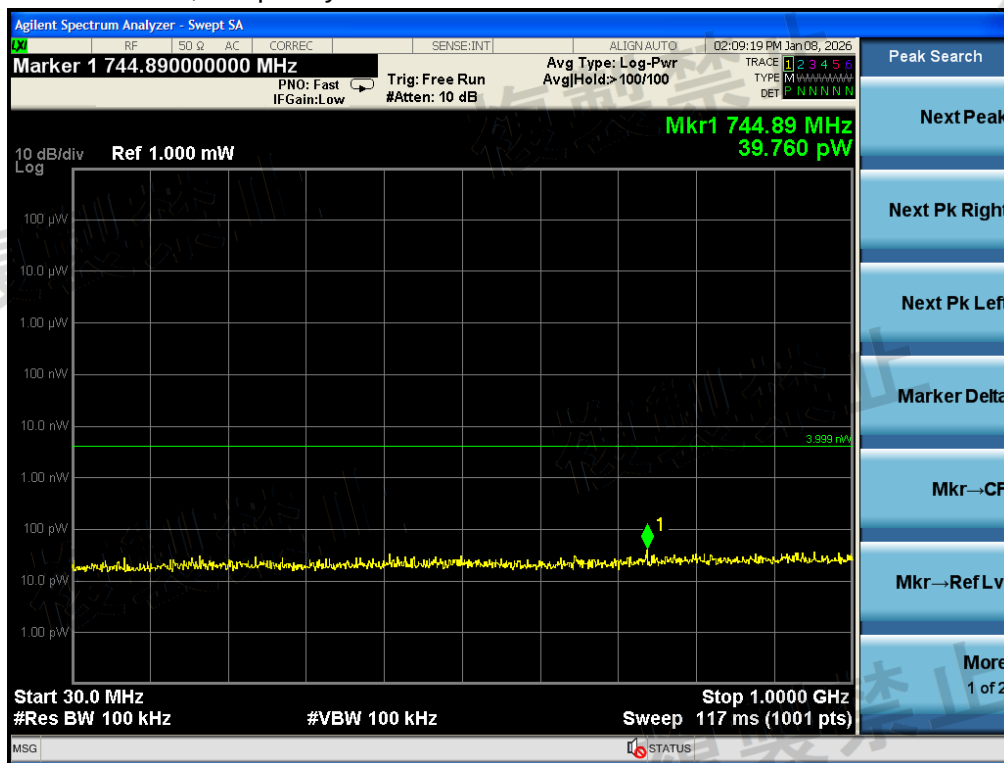
Modulation type: GFSK						
Test Conditions	Operation Frequency (MHz) / Spurious Emission					
	CH0 2402MHz		CH19 2440MHz		CH39 2480MHz	
	< 1GHz		< 1GHz		< 1GHz	
	MHz	nW	MHz	nW	MHz	nW
Vnom	744.89	0.040	899.12	0.037	924.34	0.040
Vmax	801.23	0.038	901.20	0.034	923.58	0.037
Vmin	803.37	0.035	900.22	0.024	956.01	0.030
> 1GHz		> 1GHz		> 1GHz		> 1GHz
Vnom	12676.00	1.134	2416.00	1.269	5884.00	1.079
Vmax	12074.00	1.125	2224.00	1.026	6057.00	1.099
Vmin	12074.00	1.100	2774.00	1.058	6108.00	1.069

Note: “---“ means that no emissions were detected and there for it is a “PASS”

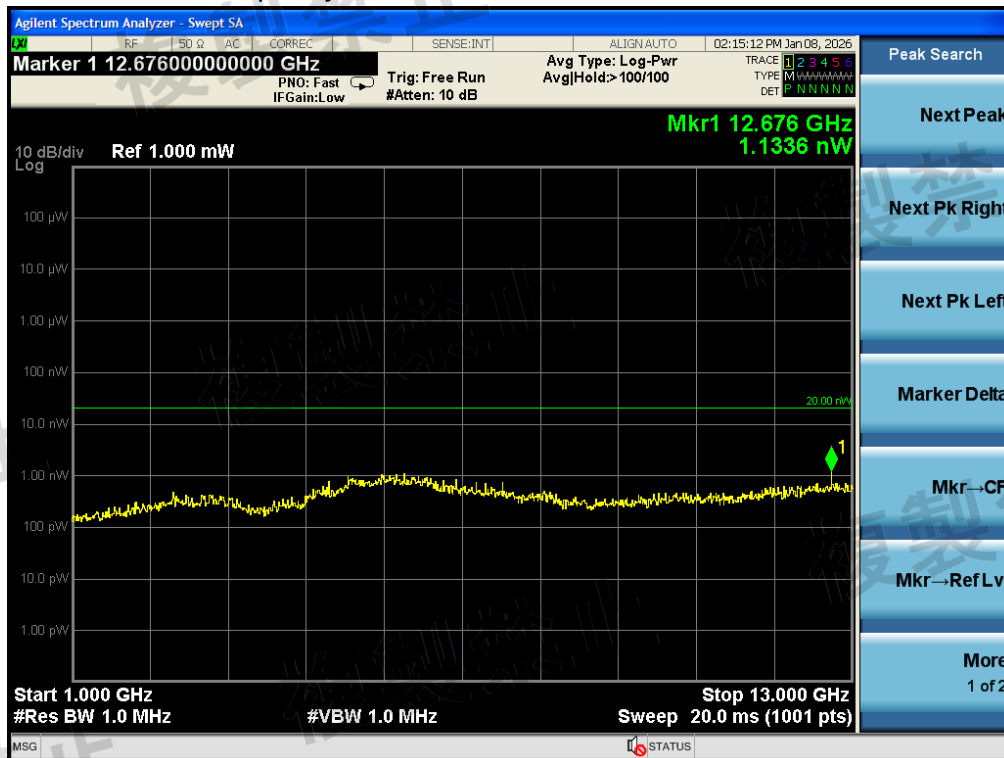


Modulation type: GFSK

Channel: 2402MHz, Frequency Band: < 1GHz

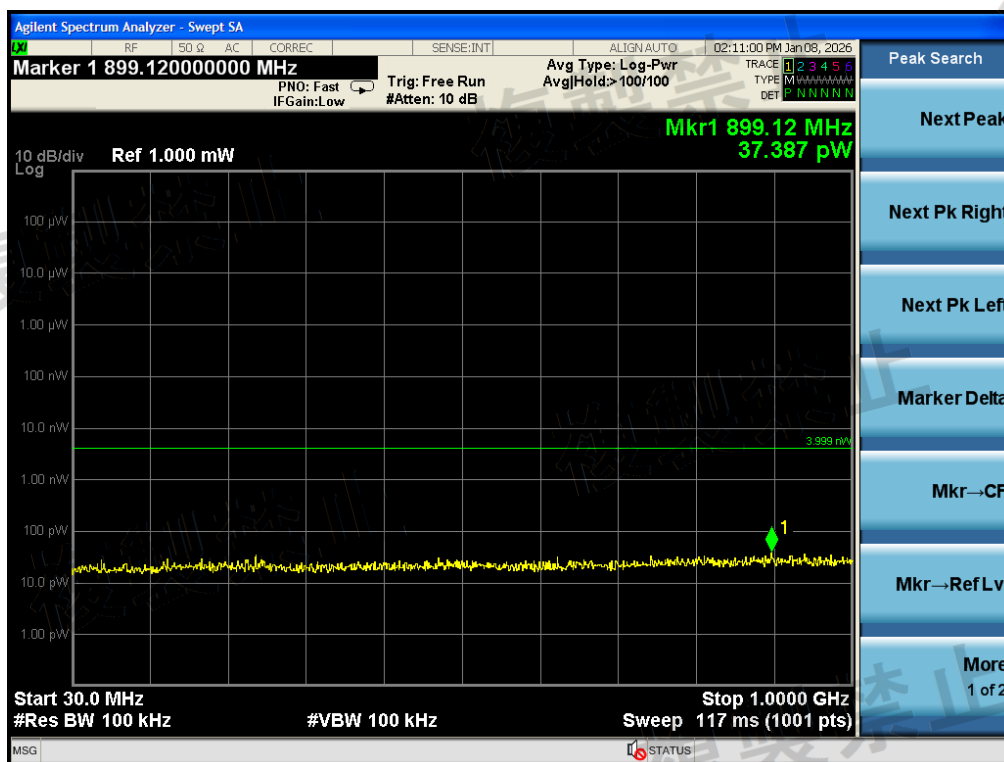


Channel: 2402MHz, Frequency Band: > 1GHz

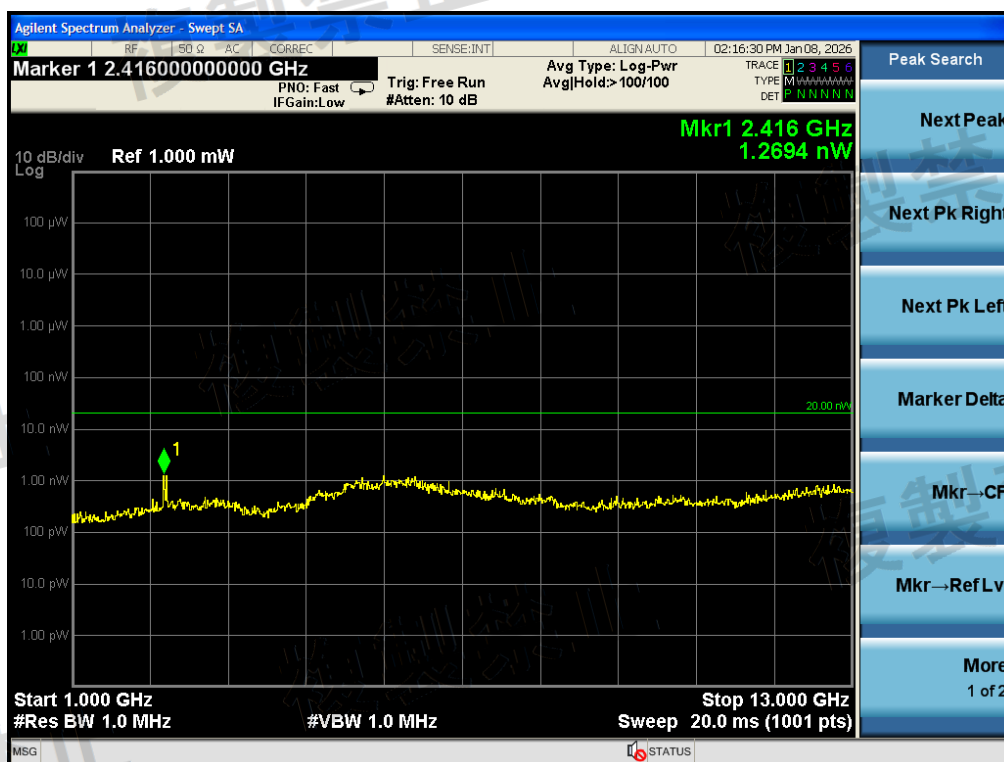




Channel: 2440MHz, Frequency Band: < 1GHz

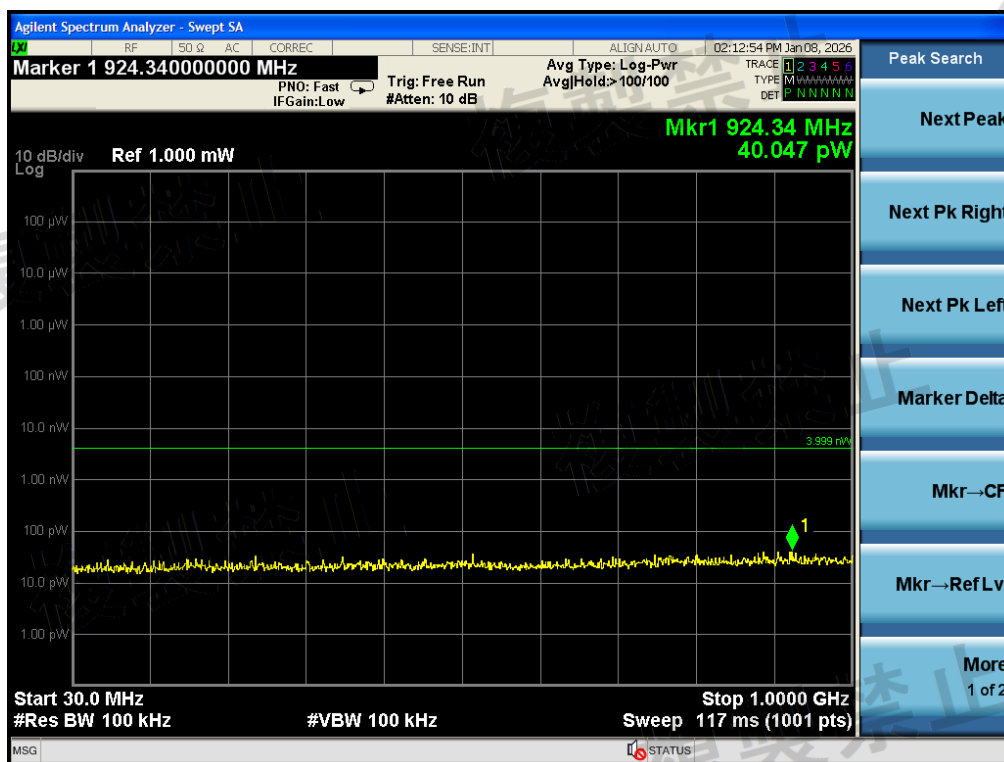


Channel: 2440MHz, Frequency Band: > 1GHz

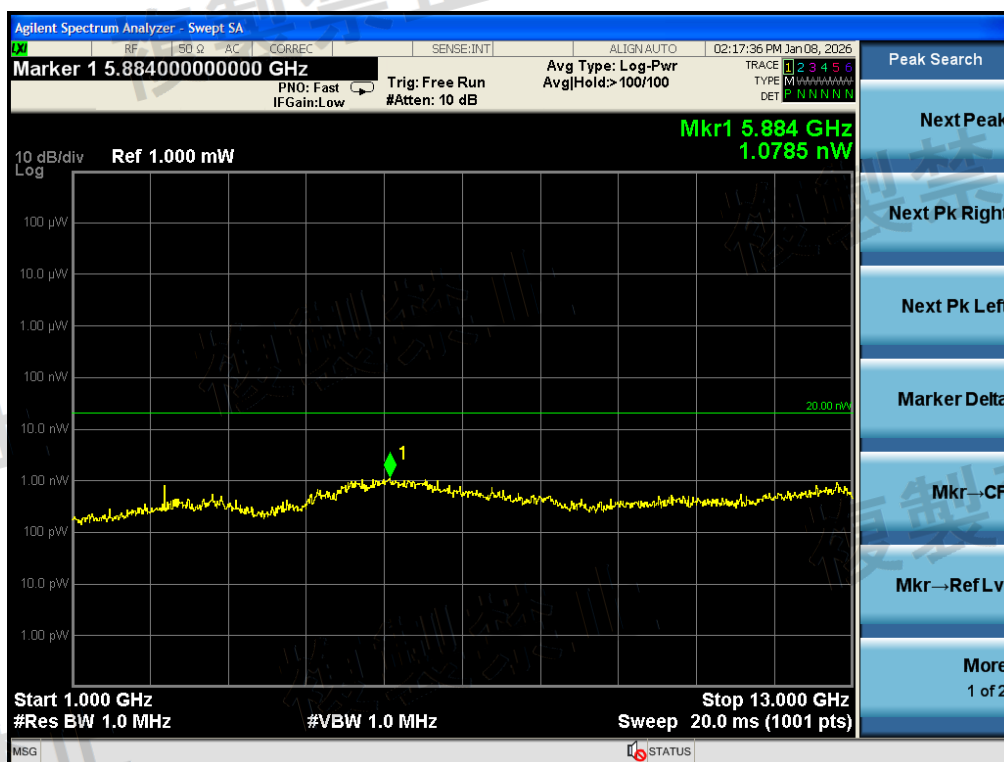




Channel: 2480MHz, Frequency Band: < 1GHz



Channel: 2480MHz, Frequency Band: > 1GHz





5. Angular Width of Principal Radiation

5.1 Test Result

Antenna Model	NP-01S V3 Wireless
Antenna Type & Gain	PCB Antenna, -2.02 dBi
Cable Loss (dB)	0
EIRP (dBm)	-0.54
Half Power Beam Angles (deg)	360
Limit of E.I.R.P (dBm)	12.14
Result	Pass



APPENDIX 1

PHOTOS OF TEST CONFIGURATION



< RF Setup Photo >

