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CNAS L8198

TEST REPORT

Report No.: SHE25110009-03AE

Date: 2025-12-10

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Applicant : PETKIT Network Technology (Shanghai) Co., Ltd.
Address of Applicant : Room 4139, Building 2, 588 Zixing Road, Minhang District, Shanghai

Product Name : PETKIT YUMSHARE DUAL-HOPPER 2 WITH CAMERA SMART PET FEEDER
Brand Name : PETKIT
Model Name : P592
Sample Acquisition Method : Sent by Client
Sample No. : E25110009-01#05

Standards : MIC Notice No.88 Appendix No.43 Article 2, Paragraph 1, Item 19

Date of Receipt : 2025-11-06
Date of Test : 2025-11-24
Date of Issue : 2025-12-10

Remark:

This report details the results of the testing carried out on one sample, the results contained in this report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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1 General Information

1.1 Testing Laboratory

Company Name	ICAS Testing Technology Service (Shanghai) Co., Ltd.
Address	No.1298, Pingan Road, Minhang District, Shanghai, China
Telephone	0086 21-51682999
Fax	0086 21-54711112
Homepage	www.icasiso.com

1.2 Details of Application

Applicant Company Name	PETKIT Network Technology (Shanghai) Co., Ltd.
Applicant Company Address	Room 4139, Building 2, 588 Zixing Road, Minhang District, Shanghai
Contact Person	TingHe
Telephone	+86 13916991059
Email	ting.he@petkit.com
Manufacturer Company Name	Dongguan Zhihang Electronic Technology Co., LTD.
Manufacturer Company Address	Room 701, Building 15, No.1, Pushi Road I, Qiaotou Town, Dongguan City,Guangdong Province, China.
Factory Company Name	Dongguan Zhihang Electronic Technology Co., LTD.
Factory Company Address	Room 701, Building 15, No.1, Pushi Road I, Qiaotou Town, Dongguan City,Guangdong Province, China.

1.3 Details of EUT

Product Name	PETKIT YUMSHARE DUAL-HOPPER 2 WITH CAMERA SMART PET FEEDER
Brand Name	PETKIT
Model Name	P592
Mode of Operation	Bluetooth LE
Operation Frequency Range	2402MHz ~ 2480MHz
Number of Channels	40 (at intervals of 2 MHz)
Modulation Type	BLE ☒ GFSK 1Mbps ☐ GFSK 2Mbps
Antenna Type	PCB Antenna
Antenna Gain	-5.45dBi
Extreme Temperature Range	0°C~ +40°C
Normal Temperature	25°C
Extreme Voltage Range	Power Supply: DC 6.0V (Low Voltage is 5.4V; High Voltage is 6.6V) Battery Supply: DC 6.0V(Low Voltage is 5.4V; High Voltage is 6.6V)
Normal Test Voltage	Power Supply: DC 6.0V Battery Supply: DC 6.0V(LR20 1.5V*4)

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Bluetooth LE Hardware Version	V1.6
Bluetooth LE Software Version	V1.158
RF power setting in TEST SW	EMI_TEST_v2.1_Power level setting_10.5dBm

Note:

1. The above information was declared by the manufacture.
2. EUT has only one antenna in use.
3. Only frequencies within 2402-2480MHz were tested according the standard requirement.
4. The EUT has single chip with one antenna and the output of the antenna feeder is 50 Ohm.
5. For more details, please refer to the User's manual of the EUT.

Channel List

Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2.402GHz	14	2.430GHz	28	2.458GHz
1	2.404GHz	15	2.432GHz	29	2.460GHz
2	2.406GHz	16	2.434GHz	30	2.462GHz
3	2.408GHz	17	2.436GHz	31	2.464GHz
4	2.410GHz	18	2.438GHz	32	2.466GHz
5	2.412GHz	19	2.440GHz	33	2.468GHz
6	2.414GHz	20	2.442GHz	34	2.470GHz
7	2.416GHz	21	2.444GHz	35	2.472GHz
8	2.418GHz	22	2.446GHz	36	2.474GHz
9	2.420GHz	23	2.448GHz	37	2.476GHz
10	2.422GHz	24	2.450GHz	38	2.478GHz
11	2.424GHz	25	2.452GHz	39	2.480GHz
12	2.426GHz	26	2.454GHz		
13	2.428GHz	27	2.456GHz		

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1.4 Test Summary

No.	Test Item	Result
1	Frequency Error	Compliance
2	Occupied Bandwidth and Spreading Bandwidth	Compliance
3	Transmitter Spurious Emission Strength and Unwanted Emission Intensity	Compliance
4	Antenna Output Power and Output Power Tolerance	Compliance
5	Receiver Spurious Emission and Unwanted Emission Intensity	Compliance
6	Transmission Radiation Angle Width (3dB Beamwidth)	Not Applicable ^{Note 1}
7	Carrier sense capability	Not Applicable ^{Note 3}
8	Frequency Hopping Dwell Time	Not Applicable ^{Note 2}
9	Interference Prevention Function	Compliance
Note	Construction Protection Confirmation	Compliance

Note(s):

1. This test item will not be applied to this EUT.
2. Testing is only required for FHSS system devices.
3. Not apply to this devices, Since EIRP does not require compensation through Antenna Power.

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2 Test Condition

2.1 Environmental Conditions

Temperature (°C)	23.1°C
Humidity (%RH)	41.8%RH
Barometric Pressure (mbar)	1010mbar

Note: Actual values will be recorded during the test.

2.2 Equipment List

Name of Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Calibration Company
Spectrum Analyzer	Keysight	N9020B	MY59260184	2025-06-30	2026-06-29	NACC
DC Power Supply	ITECH	IT6512A	N/A	2025-06-30	2026-06-29	NACC
Signal Generator	Rohde & Schwarz	SMR27	100184	2025-06-30	2026-06-29	NACC
USB type temperature and humidity recorder	Jianda Renke	COS-03	0535389	2025-09-24	2026-09-23	GSMT
Test Software	BL	BL410_R	Version:2.1.1.409	N/A	N/A	N/A

Note:

“NACC” Full name is Guangzhou Zhongguang Measurement and Testing Technology Co., Ltd.

“GSMT” Full name is Guangdong Kelian Testing Technology Co., Ltd.

2.3 Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the “Guide to the Expression of Uncertainty in measurement” (GUM) published by CIPR and ANSI. The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95.45%.

Parameter	Uncertainty
Bandwidth	$\pm 39.26\text{KHz}$
Antenna Power	$\pm 1.06\text{dB}$
Frequency Tolerance	$\pm 0.38\text{ppm}$
Conducted spurious emission	$\pm 1.04\text{dB}$

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3 Test Set-up and Operation Modes

3.1 Details of Test Mode

The transmitter module was tested while in a continuous transmitter/receiver mode.

The EUT was tuned to a low, middle, and high channel for all tests. For all test case pre/scans were completed in all modes to determine worst case levels.

Channel	Frequency
The lowest channel (CH00)	2402MHz
The middle channel (CH19)	2440MHz
The highest channel (CH39)	2480MHz

In addition during the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%. Exempt extremely high and low supply voltage condition test, EUT only operated in normal voltage to test all regulations.

Supply Voltage (Battery Supply)			
Condition	Input Voltage (Vdc)	Voltage at the input of the RF Circuit (Vdc)	Tolerance (%)
Normal	6.0	3.3	
+10%	6.6	3.3	0
-10%	5.4	3.3	0
Note: Output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%. Exempt extremely high and low supply voltage condition test, EUT only operated in normal voltage to test all regulations			

Supply Voltage (Power Supply)			
Condition	Input Voltage (Vdc)	Voltage at the input of the RF Circuit (Vdc)	Tolerance (%)
Normal	6.0	3.3	
+10%	6.6	3.3	0
-10%	5.4	3.3	0
Note: Output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%. Exempt extremely high and low supply voltage condition test, EUT only operated in normal voltage to test all regulations			

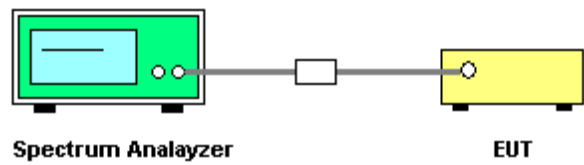
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3.2 Block Diagram of Test Setup



3.3 Special Accessories and Auxiliary Equipment

Description	Manufacturer	Model Name	Serial No.
Laptop	HP	HP ZHAN 66 PRO G1	5CD7438R1J
AC Adapter	TEKA	TEKA-TB060200XX	Input: AC 100-240V 50/60Hz 0.35A Max; Output: DC 6V 2A 12W

3.4 Support Software

Description	Manufacturer	Software Name
Software	Telink	EMI_TEST_v2.1

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4 Test Results

4.1 FREQUENCY ERROR

4.1.1 Limit

Item	Limits
Frequency Tolerance (2402~2480MHz)	$\leq 50\text{ppm}$

4.1.2 Test Setup

Set the EUT to the measurement frequency without modulation.

Setting of SA is following as: RB: 10kHz / VB: 10kHz

Center Frequency: The center frequency of testing for EUT

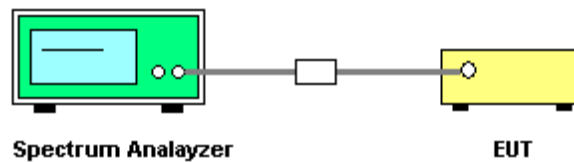
Sweep time: Auto

Sweep mode: Continuous sweep

Detect mode: Positive peak

Mark function: Frequency Counter (Resolution 100Hz)

If the EUT can't set at un-modulation mode, measure the 10dBc center frequency.



4.1.3 Test Record

Table 1_ Frequency Tolerance

Normal Voltage	Center Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	P/F
Power Supply	2402	2401.99342	-2.74	± 50	Pass
	2440	2439.99350	-2.66		Pass
	2480	2479.99302	-2.81		Pass
Battery Supply	2402	2401.99350	-2.71	± 50	Pass
	2440	2439.99370	-2.58		Pass
	2480	2479.99290	-2.86		Pass

Note: Frequency Tolerance (ppm) = $[(\text{Measure frequency} - \text{Center Frequency}) / \text{Center Frequency}] * 10^6$

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Normal Voltage (Power Supply)

Figure 1-Test Frequency: 2402MHz

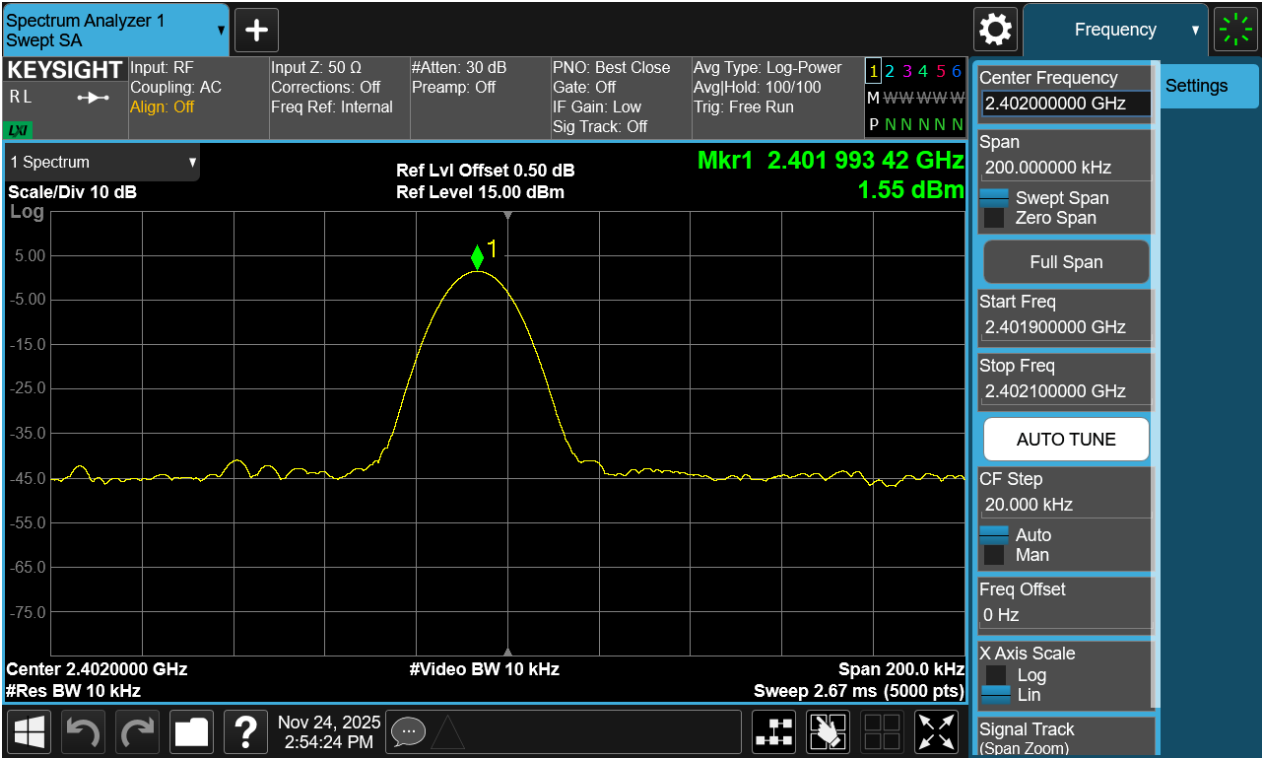
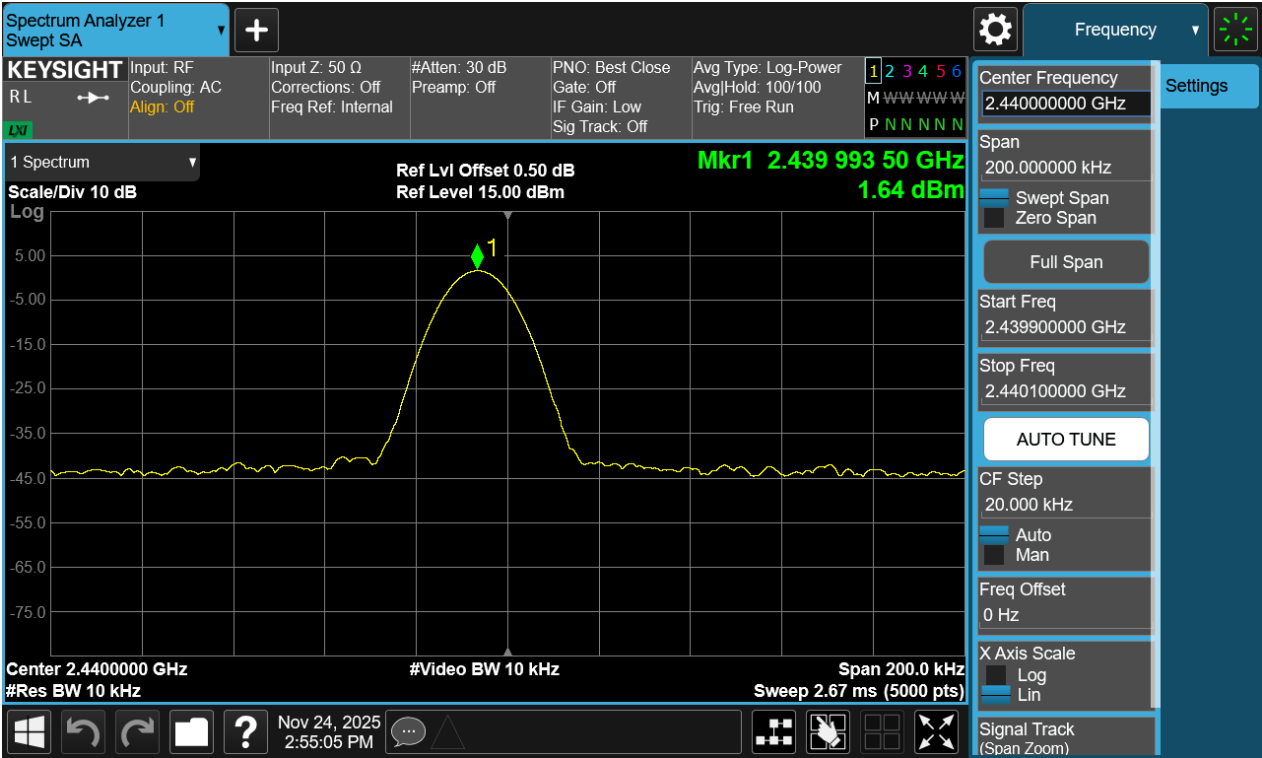


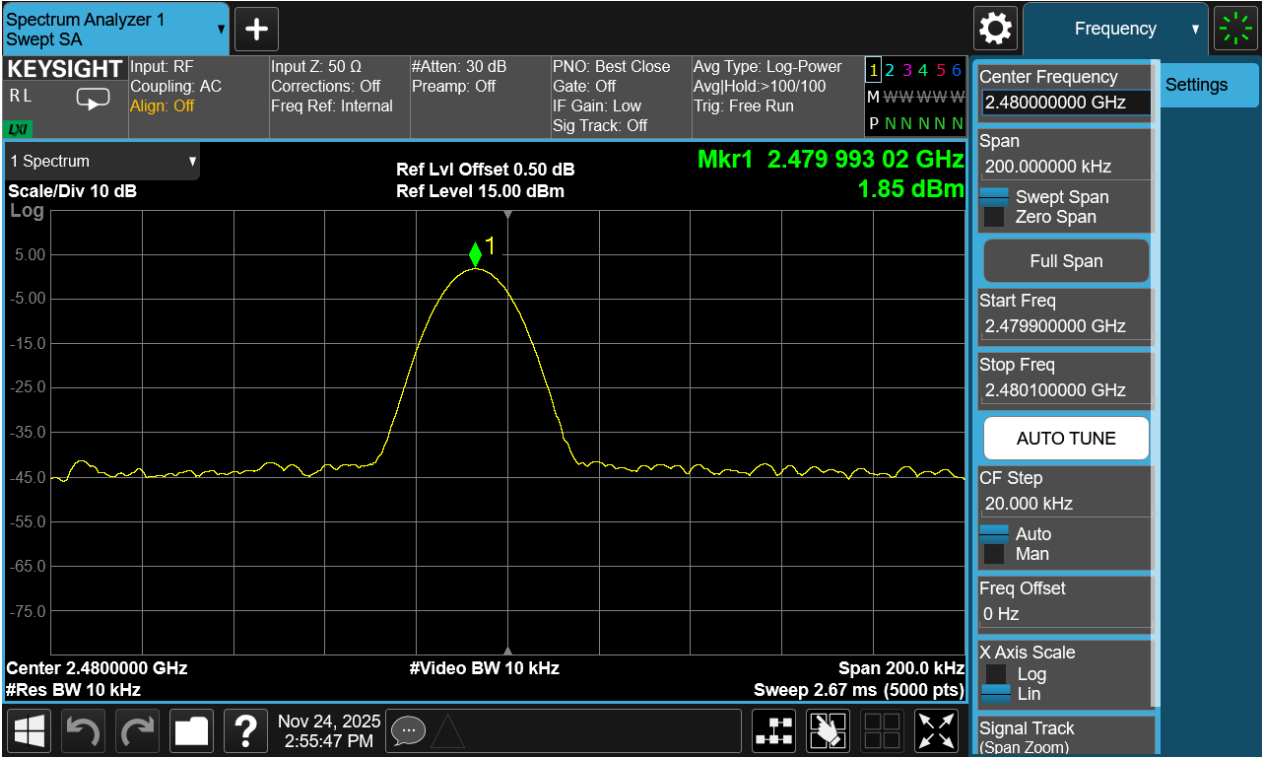
Figure 2-Test Frequency: 2440MHz



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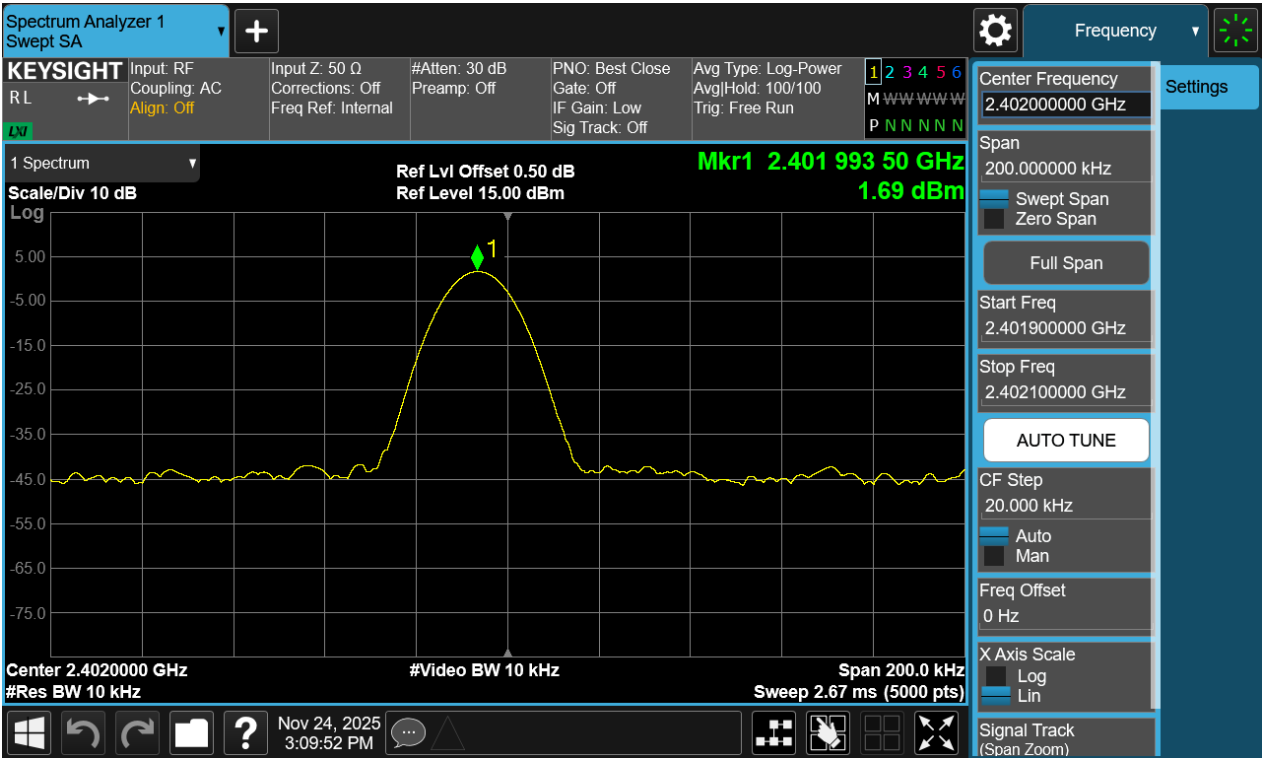
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Figure 3-Test Frequency: 2480MHz



Normal Voltage (Battery Supply)

Figure 4-Test Frequency: 2402MHz



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Figure 5-Test Frequency: 2440MHz

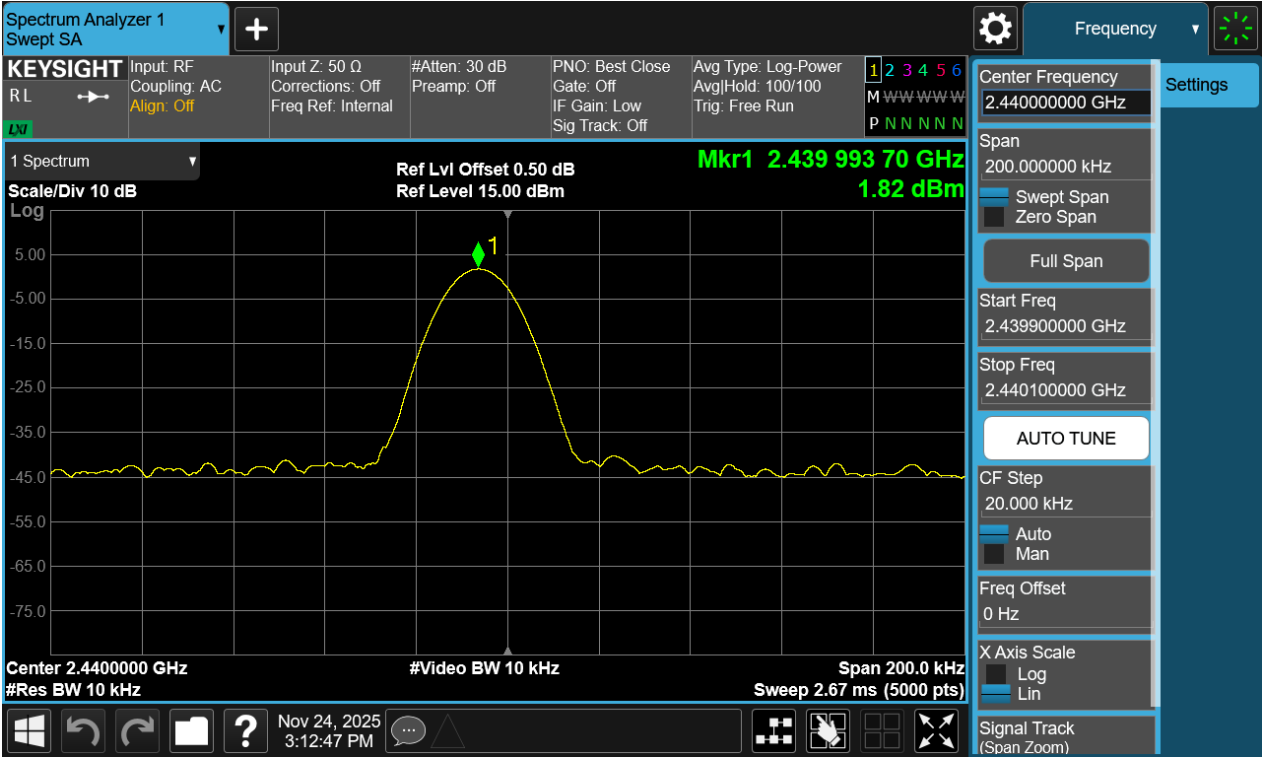
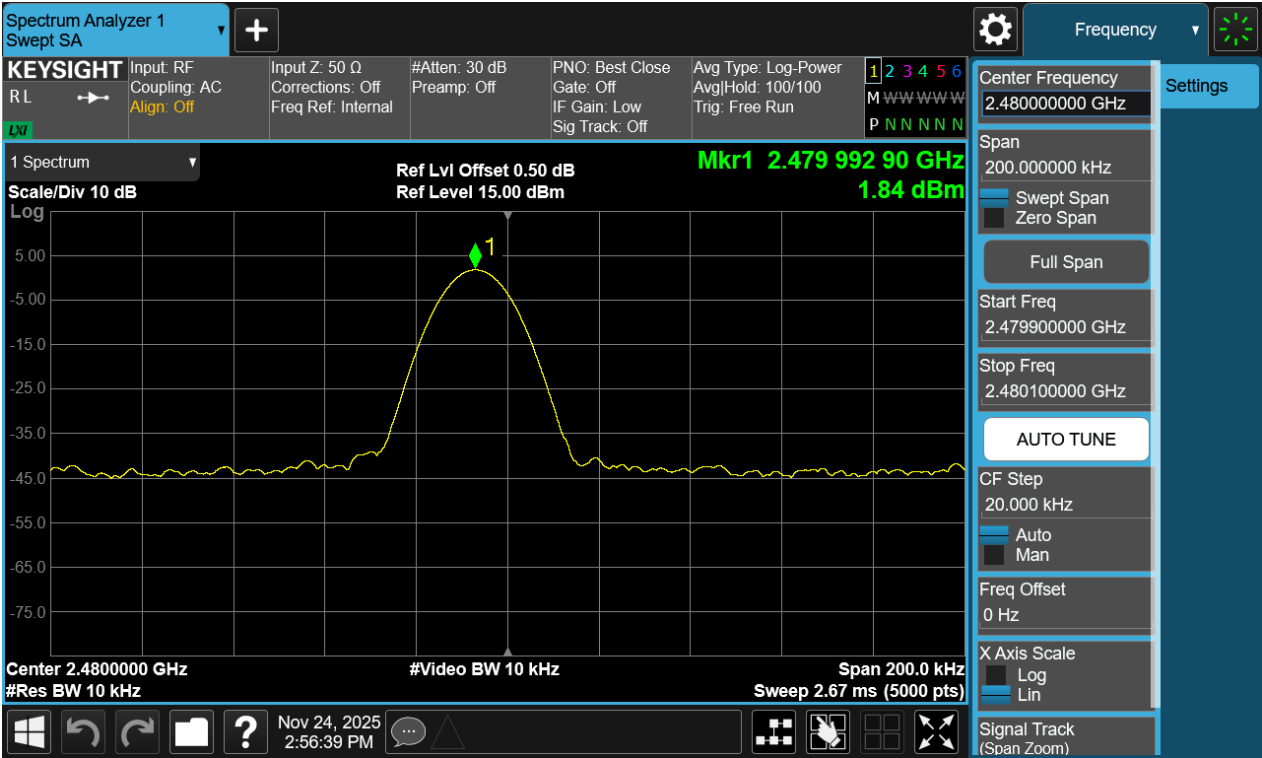


Figure 6-Test Frequency: 2480MHz



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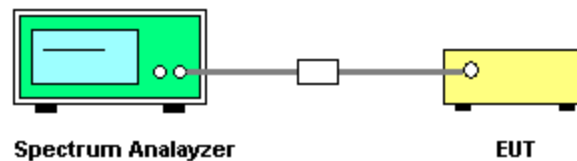
4.2 OCCUPIED BANDWIDTH

4.2.1 Limit

Item	Limits
Occupied Bandwidth:	FH $\leq$ 83.5MHz; DS $\leq$ 26 MHz; OFDM $\leq$ 40MHz; Others $\leq$ 26MHz

4.2.2 Test Setup

1. Setting of SA is following as: RB: 300 kHz / VB: 300 kHz / SPAN: 5 MHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
2. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 99% of occupied bandwidth to measure occupied bandwidth.
3. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 90% of occupied bandwidth to measure spread bandwidth.
4. Spread Factor=Spread Bandwidth/modulation rate.



4.2.3 Test Record

Table 2_Occupied Bandwidth

Mode	Normal Voltage	Item	Result			Limit	P/F
			2402MHz	2440MHz	2480MHz		
BLE	Power Supply	Occupied Bandwidth (MHz)	1.2106	1.2242	1.2177	$\leq$ 26 MHz	Pass
	Battery Supply	Occupied Bandwidth (MHz)	1.2197	1.2238	1.2176	$\leq$ 26 MHz	Pass

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Normal Voltage (Power Supply)

Figure 7-Occupied Bandwidth of 2402MHz



Figure 8-Occupied Bandwidth of 2440MHz



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Figure 9-Occupied Bandwidth of 2480MHz



Normal Voltage (Battery Supply)

Figure 10-Occupied Bandwidth of 2402MHz



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Figure 11-Occupied Bandwidth of 2440MHz



Figure 12-Occupied Bandwidth of 2480MHz



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4.3 TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY

4.3.1 Limit

Item	Limits
TX Spurious Emission(2402~2480MHz)	$\leq 2.5\mu\text{W}(-26\text{dBm})$ ($30\text{MHz} \leq f \leq 1000\text{MHz}$)
	$\leq 2.5\mu\text{W}(-26\text{dBm})$ ($1000\text{MHz} < f \leq 2387\text{MHz}$)
	$\leq 25\mu\text{W}(-16\text{dBm})$ ($2387\text{MHz} < f \leq 2400\text{MHz}$)
	$\leq 25\mu\text{W}(-16\text{dBm})$ ($2483.5\text{MHz} \leq f < 2496.5\text{MHz}$)
	$\leq 2.5\mu\text{W}(-26\text{dBm})$ ($2496.5\text{MHz} \leq f < 12500\text{MHz}$)

4.3.2 Test Setup

The modulation state shall be in continuously transmitting mode.

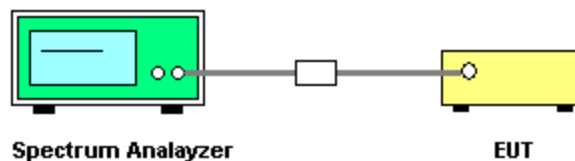
Setting of SA start 30MHz and stop frequency 1000MHz, RB:1MHz/VB:1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than 2.5μW.

Setting of SA start 1000MHz and stop frequency 2387MHz, RB:1MHz/VB:1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than 2.5μW.

Setting of SA start 2387MHz and stop frequency 2400MHz, RB:1MHz/VB:1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than 25μW.

Setting of SA start 2483.5MHz and stop frequency 2496.5MHz, RB:1MHz/VB:1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than 25μW.

Setting of SA start 2496.5MHz and stop frequency 12500MHz, RB:1MHz/VB:1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than 2.5μW.



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4.3.3 Test Record

Table 3_TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY

Mode	Normal Voltage	Frequency Range (MHz)	Max Value (dBm)			Limit (dBm)	P/F
			2402MHz	2440MHz	2480MHz		
BLE	Power Supply	30 ~ 1000	-70.07	-70.07	-70.16	-26	Pass
		1000 ~ 2387	-65.37	-65.20	-66.26	-26	Pass
		2387 ~ 2400	-35.12	-56.99	-58.01	-16	Pass
		2483.5 ~ 2496.5	-56.13	-55.92	-55.14	-16	Pass
		2496.5 ~ 6000	-50.85	-51.97	-53.31	-26	Pass
		6000 ~ 12500	-38.27	-37.55	-34.56	-26	Pass
	Battery Supply	30 ~ 1000	-69.92	-70.14	-69.52	-26	Pass
		1000 ~ 2387	-65.00	-65.64	-66.45	-26	Pass
		2387 ~ 2400	-34.96	-57.47	-57.34	-16	Pass
		2483.5 ~ 2496.5	-57.56	-55.95	-54.78	-16	Pass
		2496.5 ~ 6000	-50.74	-52.10	-53.06	-26	Pass
		6000 ~ 12500	-38.12	-37.65	-34.58	-26	Pass

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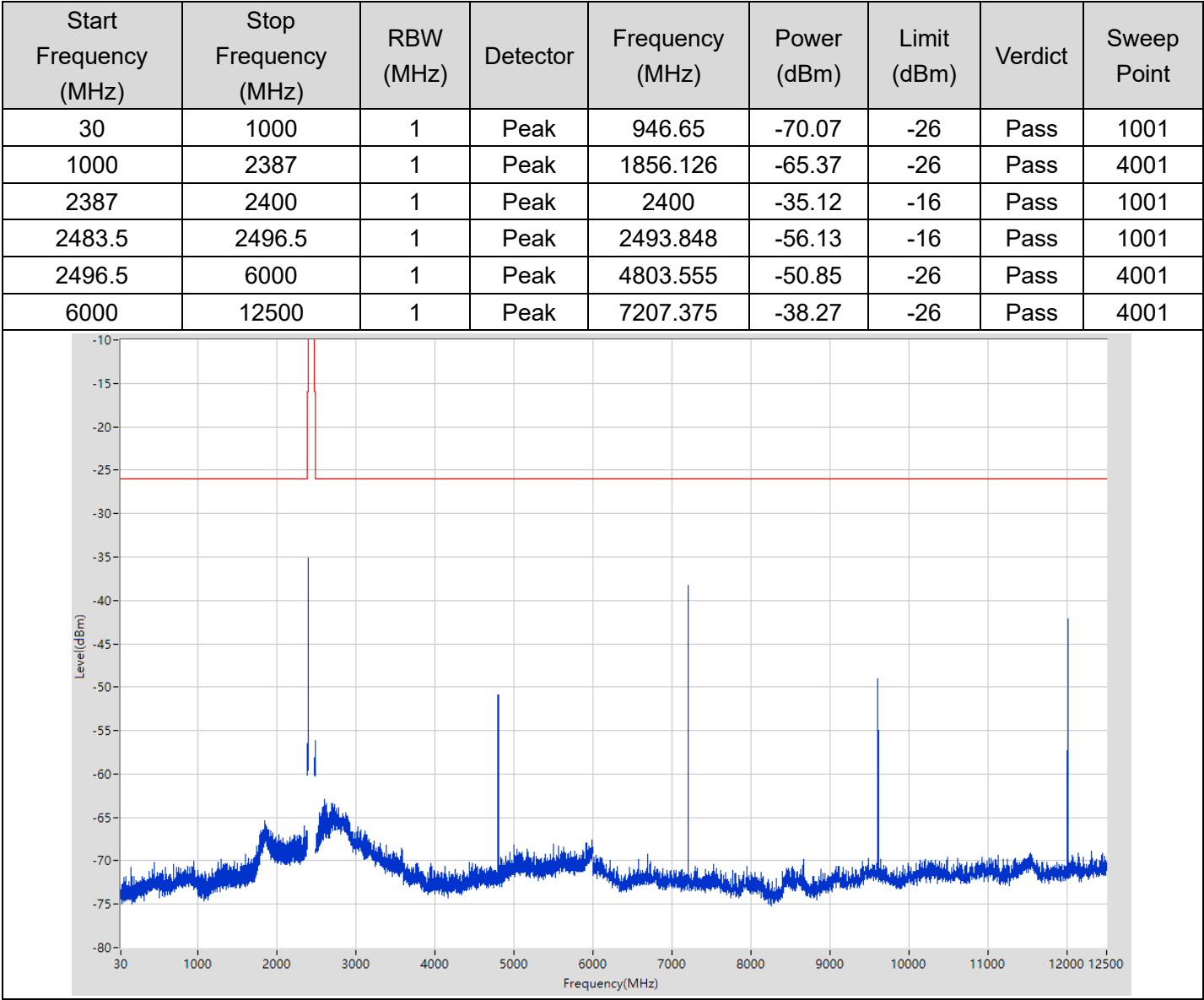
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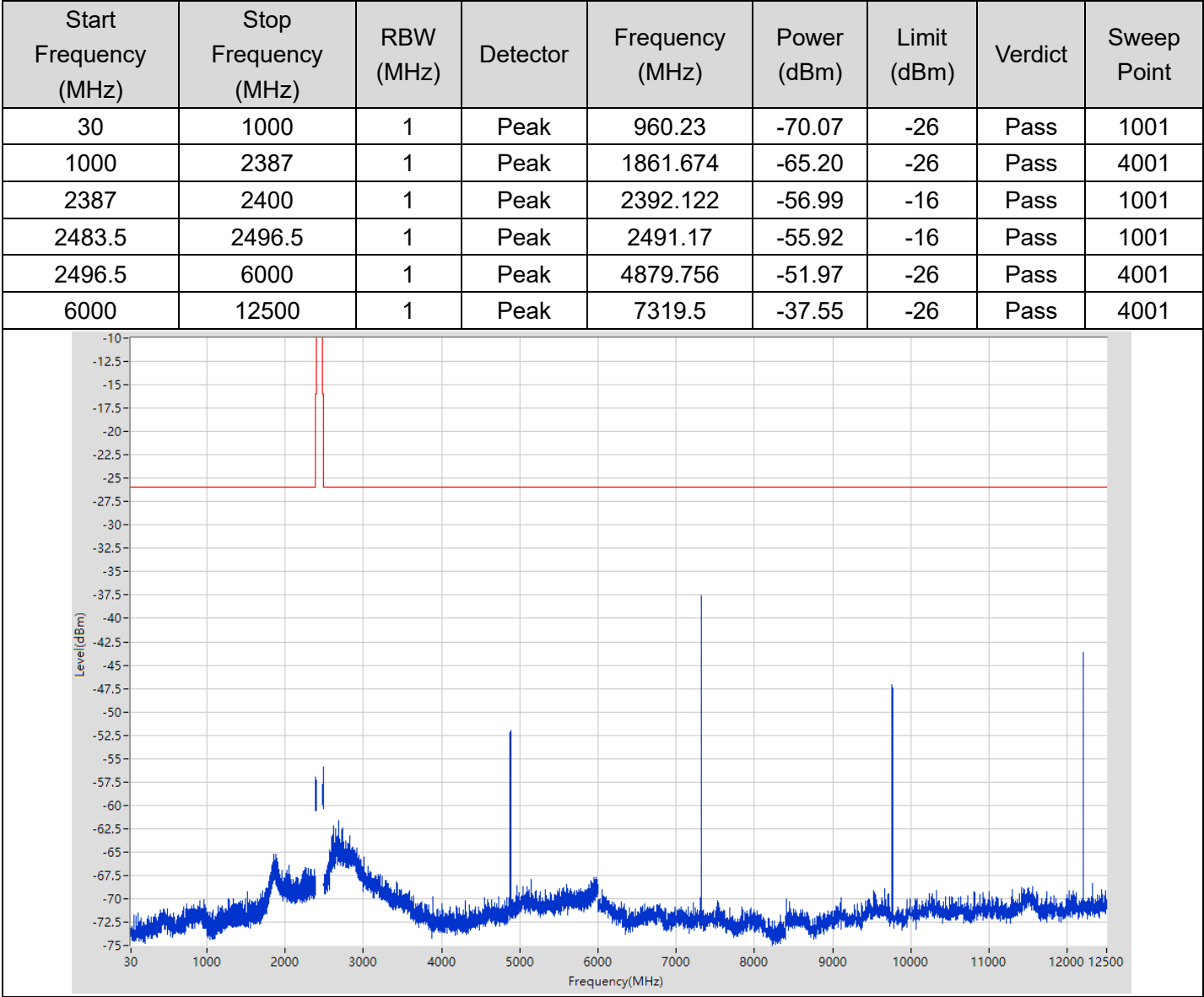
Normal Voltage (Power Supply)

Figure 13-Test Frequency: 2402MHz



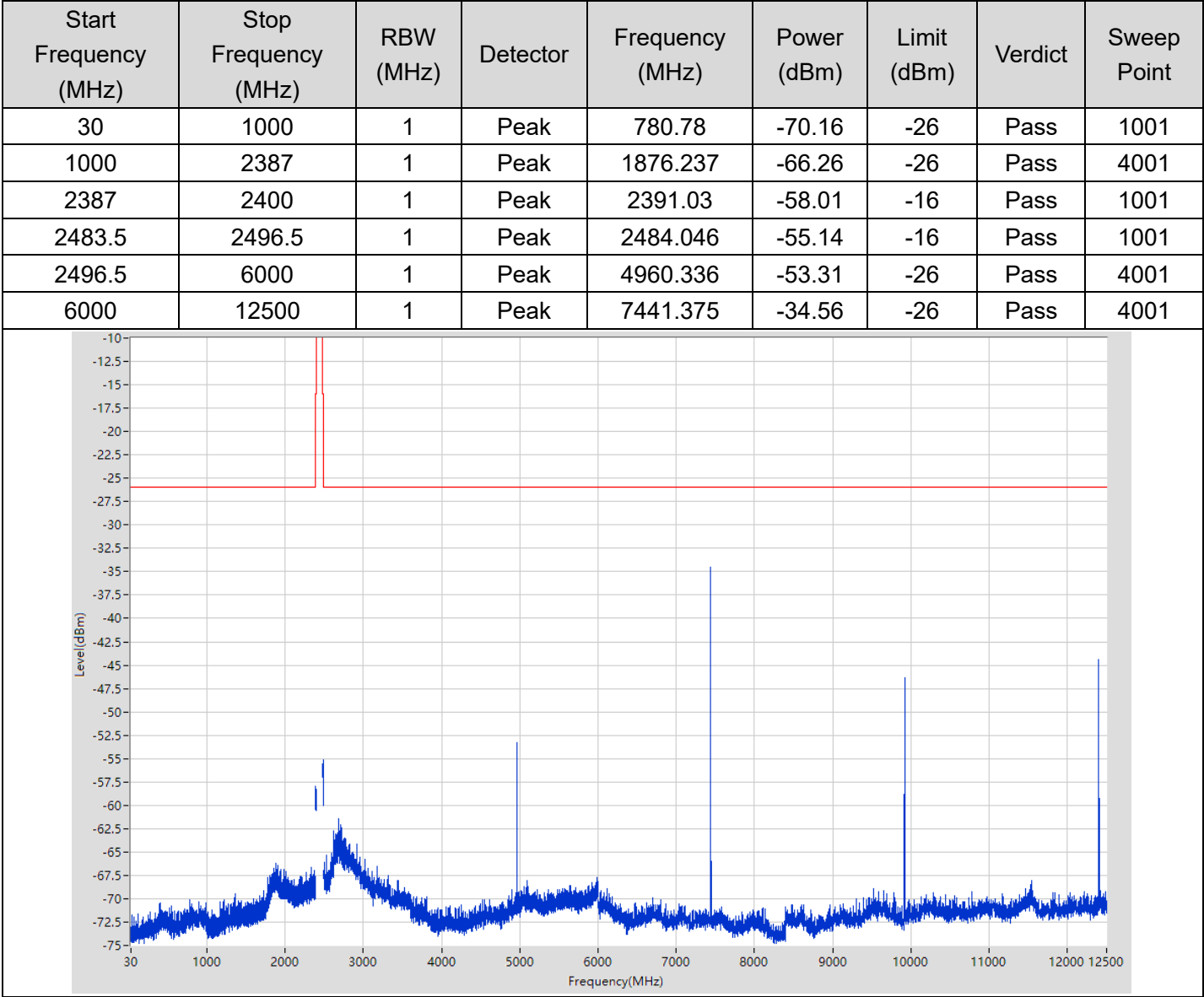
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Figure 14-Test Frequency: 2440MHz



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Figure 15-Test Frequency: 2480MHz



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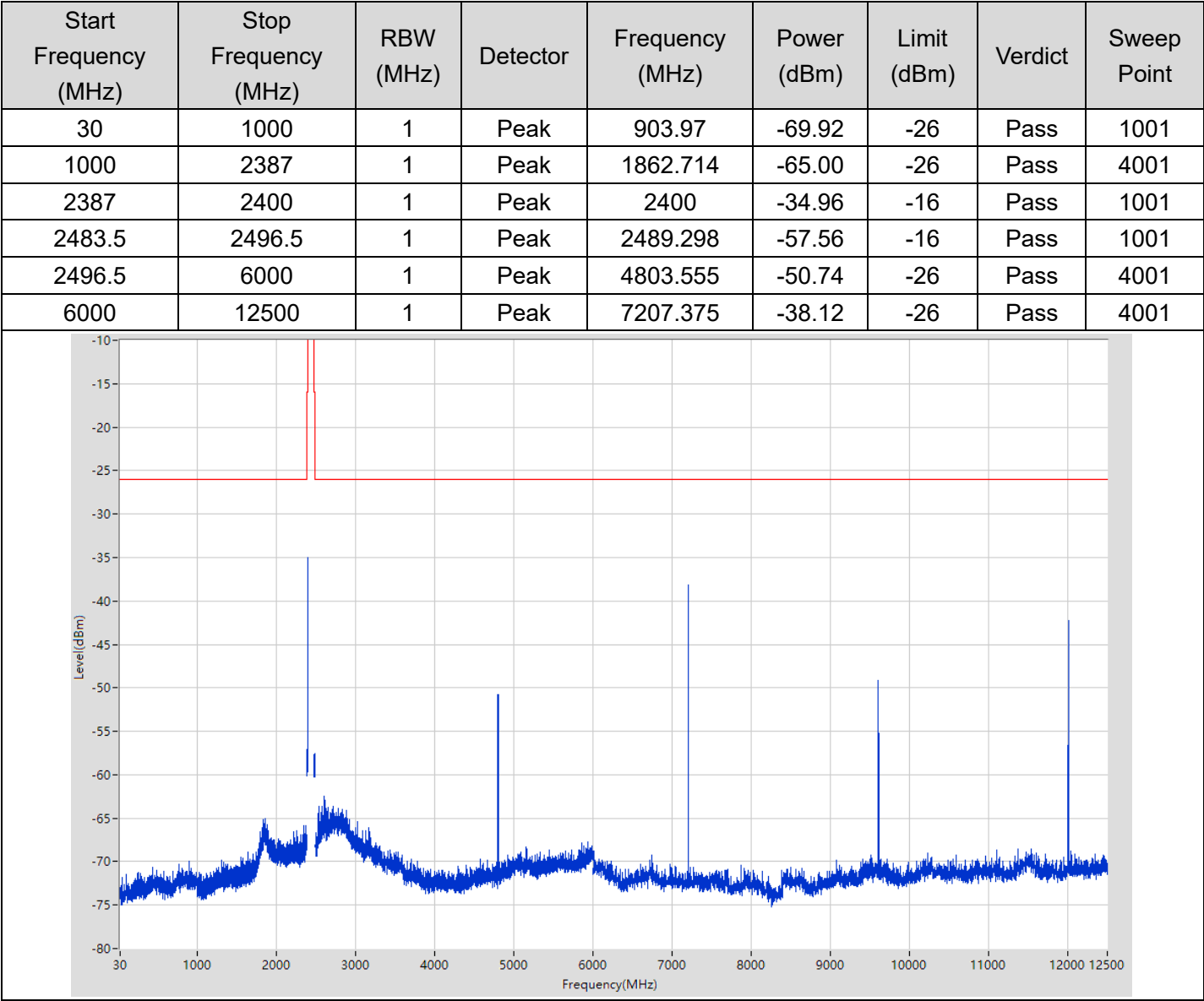
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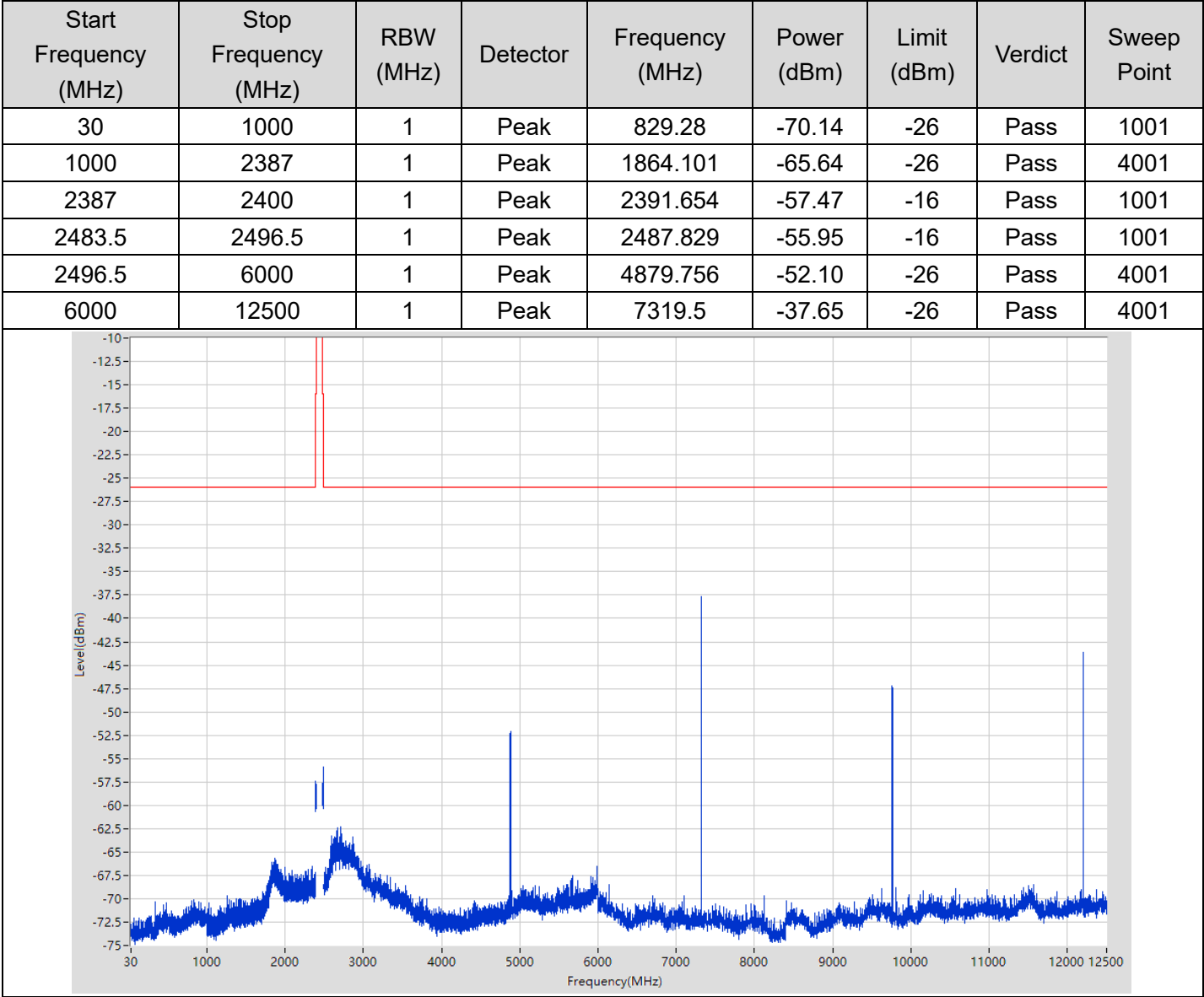
Normal Voltage (Battery Supply)

Figure 16-Test Frequency: 2402MHz



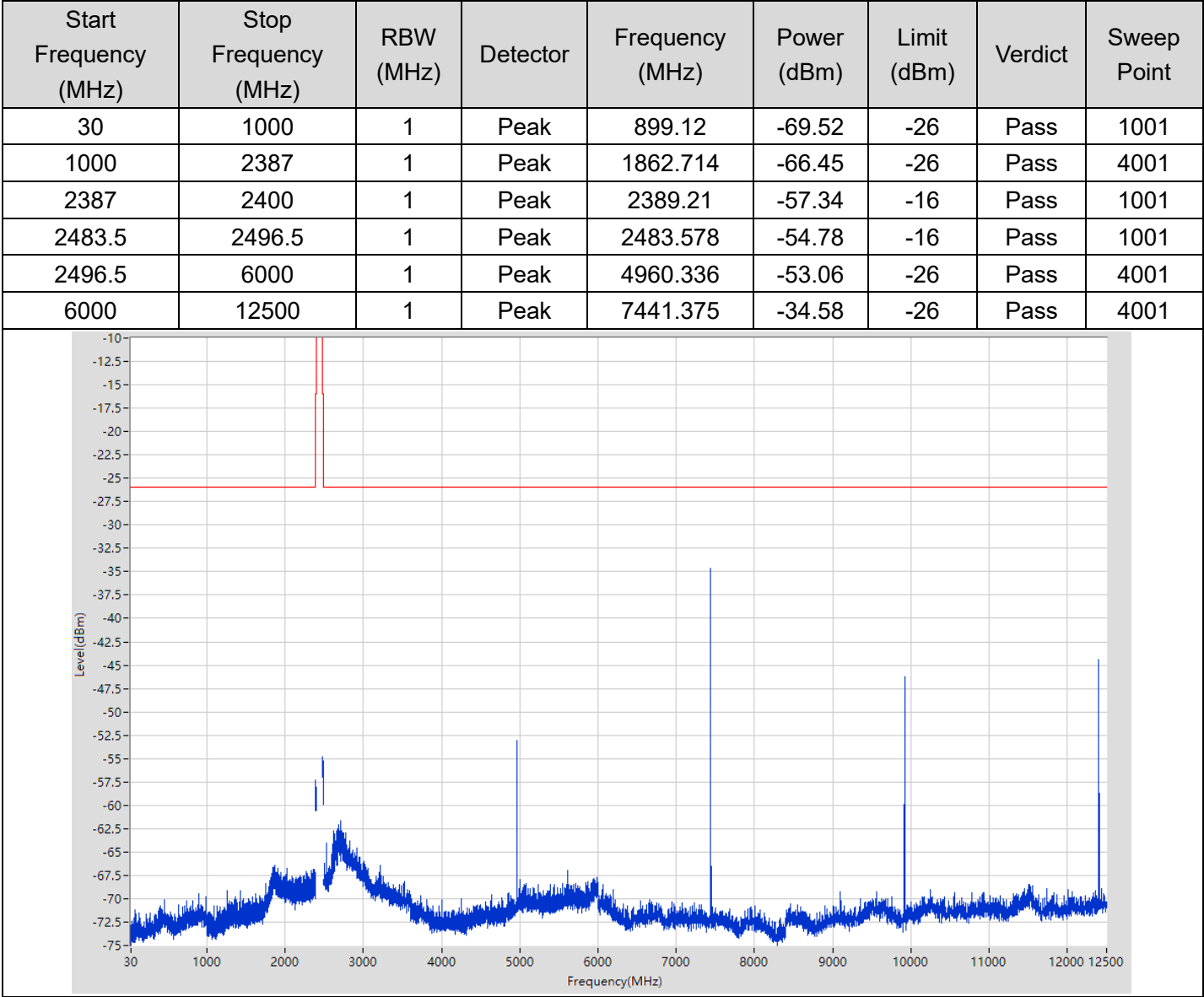
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Figure 17-Test Frequency: 2440MHz



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Figure 18-Test Frequency: 2480MHz



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4.4 ANTENNA OUTPUT POWER, ANTENNA POWER TOLERANCE AND TRANSMISSION ANTENNA GAIN

4.4.1 Limit

Item	Limits
Antenna Power	$\leq 10\text{mW}$ (other from 2400-2483.5 MHz)
E.I.R.P.	$\leq 12.14\text{dBm}$
Antenna Power Tolerance	+20%

Note:

E.I.R.P will not be applied to the transmission antenna which has a gain of 2.14dBi or less.

4.4.2 Test Setup

For other UUT:

Make the following changes to the settings of the spectrum analyser:

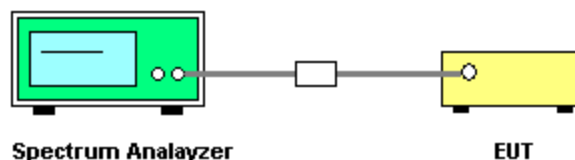
- Centre Frequency: The centre frequency of the channel under test.
- Span: 5MHz.
- RBW: 3 MHz.
- VBW: 8 MHz.
- Detector: Peak
- Trace Mode: Max Hold.

When the trace is complete, capture the trace, for example using the "View" option on the spectrum analyser. For Find the peak value of the trace and place the analyser marker on this peak. This level is recorded as D.

D shall be recorded in the test report.

The maximum PD, which is e.i.r.p. PSD (spectral density power) or power, is calculated from the above measured value D, and the applicable antenna assembly gain "G" in dBi, according to the formula below. If more than one antenna assembly is intended for this power setting, the gain of the antenna assembly with the highest gain shall be used.

$$PD = D + G$$



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4.4.3 Test Record

Table 4

Mode	Normal Voltage	Item	Result			Limit	P/F
			2402MHz	2440MHz	2480MHz		
BLE	Power Supply	Antenna Power (dBm)	1.81	1.88	1.89	10dBm	Pass
		Antenna Power(mW)	1.517	1.542	1.545	10mW	Pass
		Declared Antenna Power(mW)	1.50	1.50	1.50	/	/
		Antenna Power Error	1.13%	2.80%	3.00%	+20%	Pass
	Battery Supply	Antenna Power (dBm)	1.78	1.74	1.99	10dBm	Pass
		Antenna Power (mW)	1.507	1.493	1.581	10mW	Pass
		Declared Antenna Power(mW)	1.50	1.50	1.50	/	/
		Antenna Power Error	0.47%	-0.47%	5.40%	+20%	Pass

Note(s):

1. The antenna gain is -5.45dBi.
2. Declared Antenna power is 1.50mW
3. Antenna Power Error = [(Antenna Power - Declared Antenna Power) / Declared Antenna Power] * 100%

Normal Voltage (Power Supply)

Figure 19- Antenna Power- 2402



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Figure 20- Antenna Power- 2440

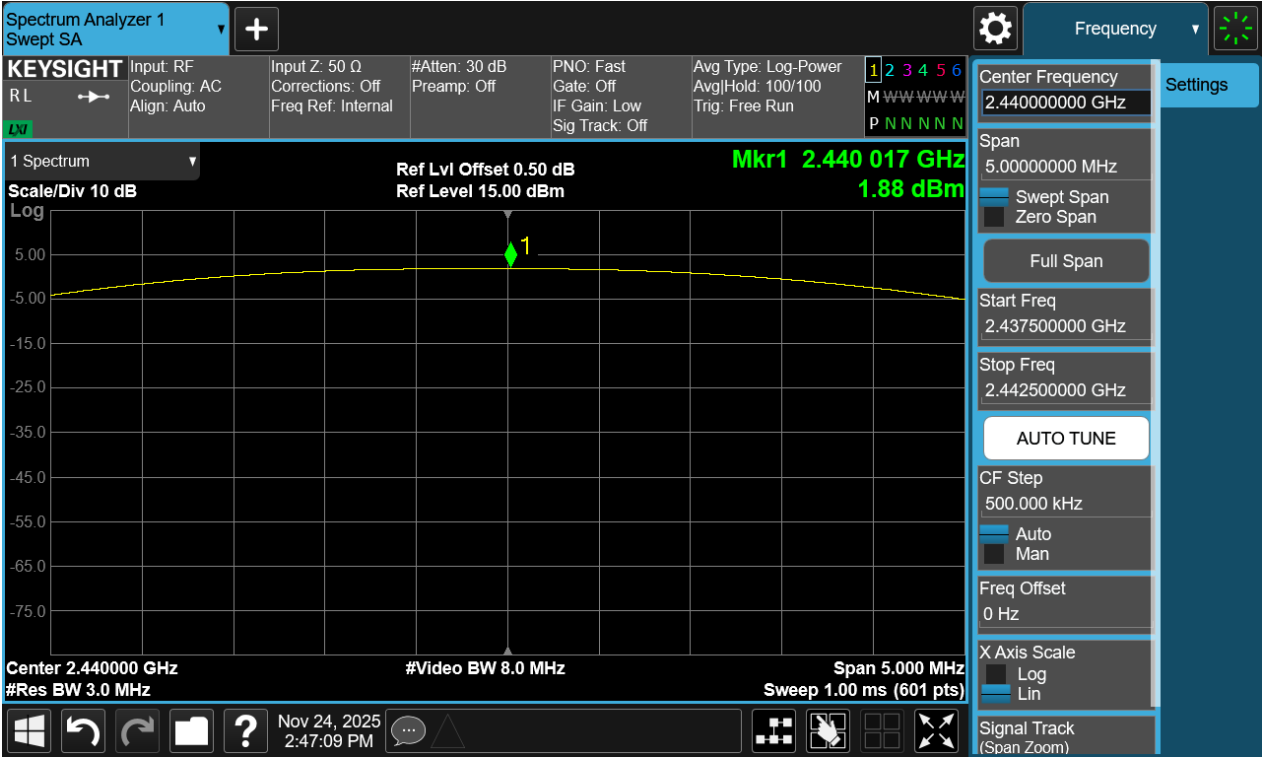
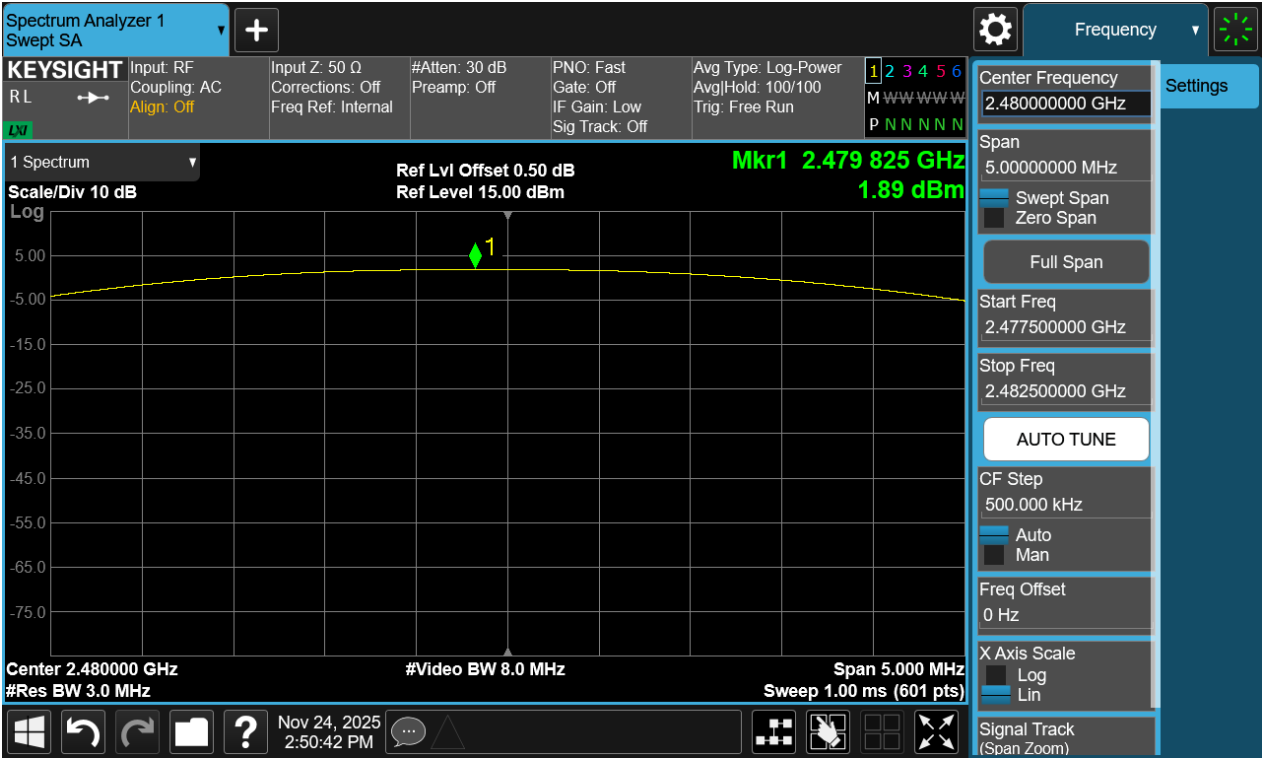


Figure 21- Antenna Power-2480



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Normal Voltage (Battery Supply)

Figure 22- Antenna Power- 2402

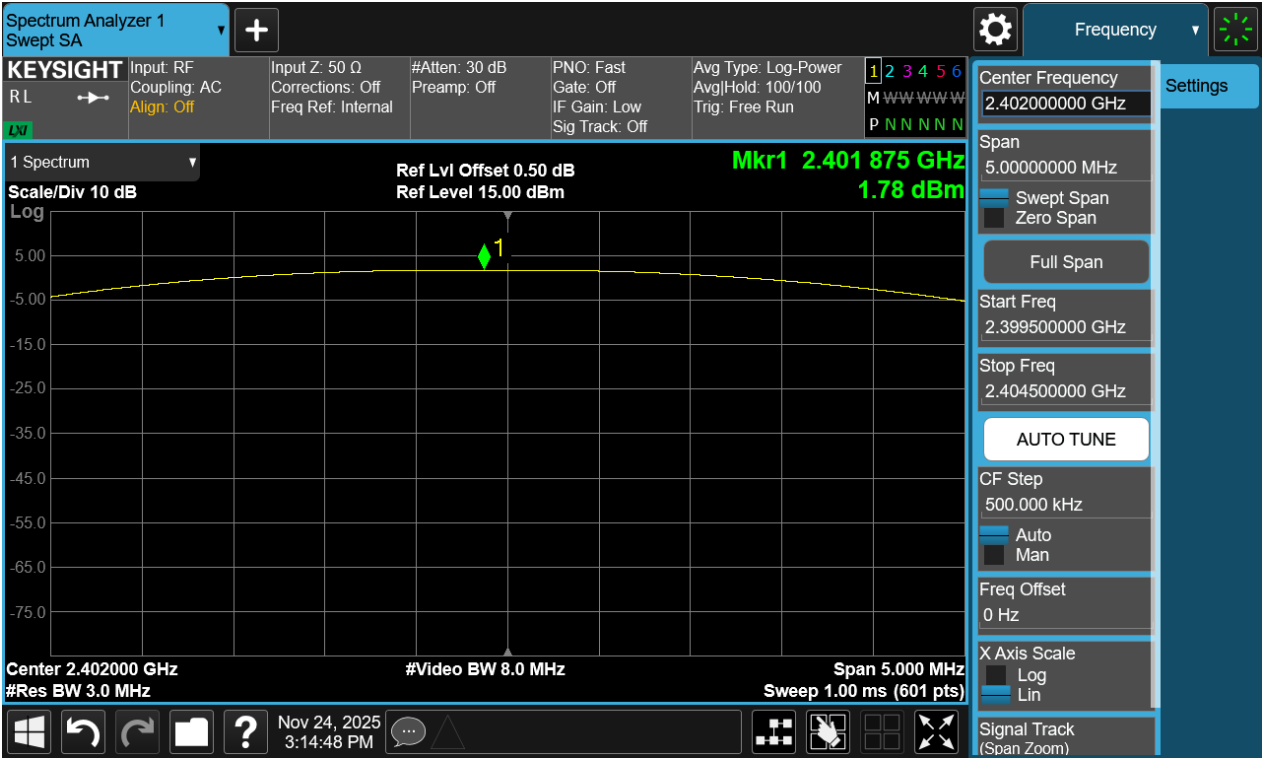
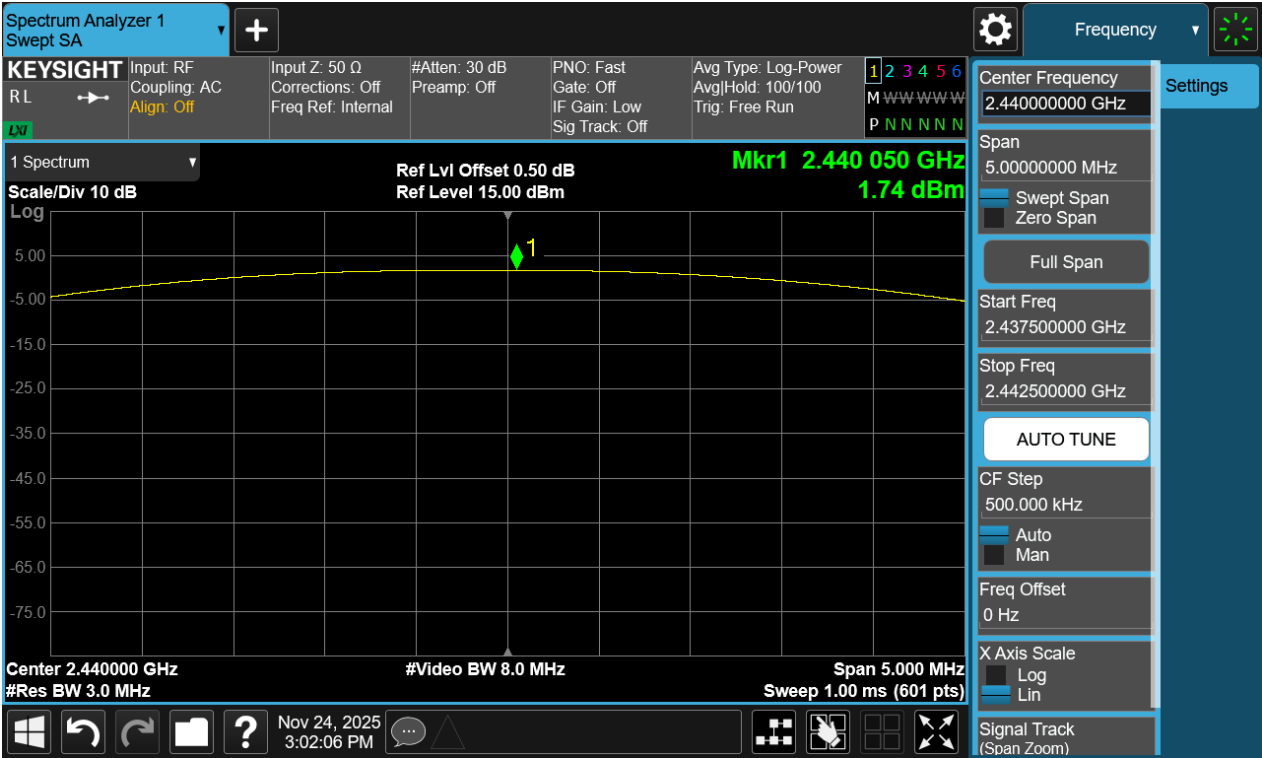
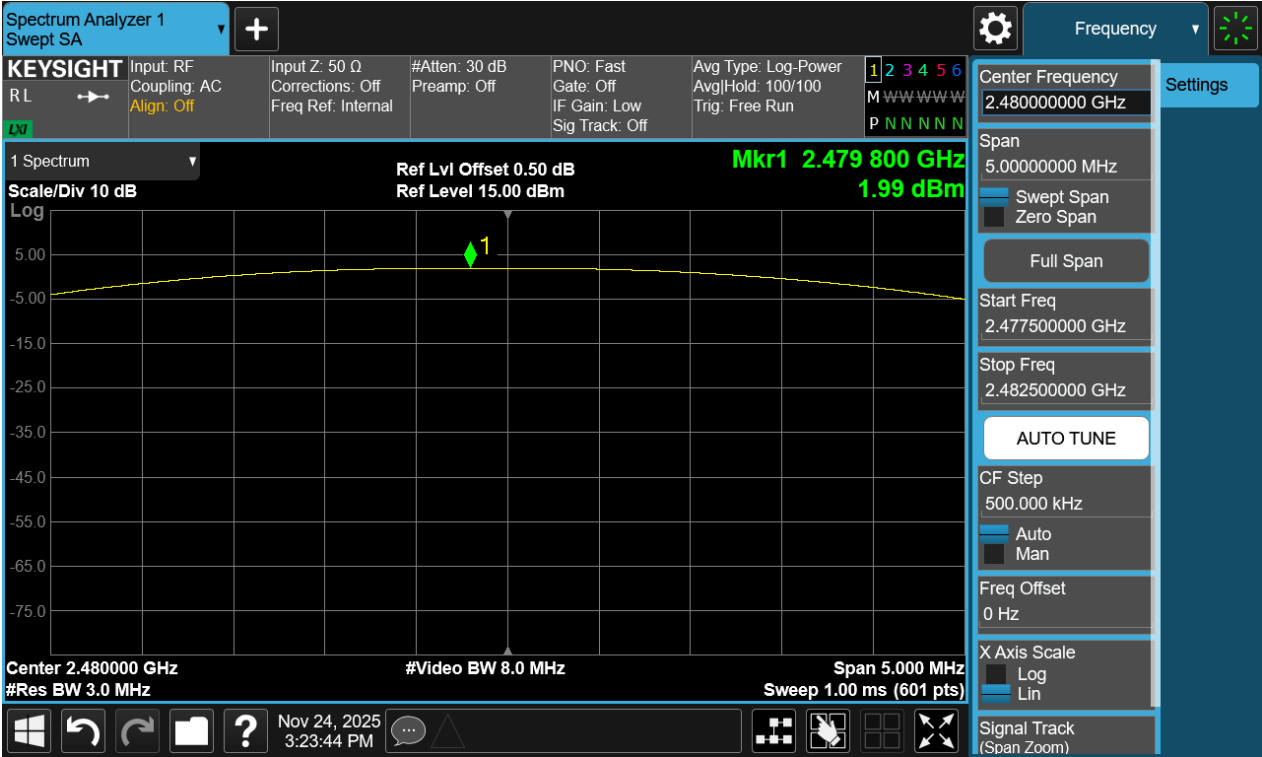


Figure 23- Antenna Power- 2440



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Figure 24- Antenna Power-2480



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4.5 TRANSMISSION RADIATION ANGLE WIDTH (3DB BEAMWIDTH) MEASUREMENT

4.5.1 Limit

Item	Limits
3dB antenna beam width	$360/A$ (If $A < 1$; then $A = 1$) $A = \{\text{EIRP Power [mW]} / 16.36 \text{ for DS, OFDM}\}$ or $A = \{\text{EIRP Power [mW]} / 4.9 \text{ for FH}\}$
Note: This test item is not applied for radio equipment with equivalent isotropic radiation power lower than 12.14dBm/MHz, but Antenna Power (Conducted) limit is 10mW/MHz (10dBm/MHz), So the test item will not be applied to the transmission antenna which has a gain of 2.14dBi or less	

4.5.2 Measuring Instruments and setting

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	0 MHz
RB	1 MHz
VB	1 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

4.5.3 Test Procedures

1. Set EUT and measuring antenna at the same height and roughly facing each other.
2. Set spectrum analyzer with condition in section 4.7.2 and tune reference level to observe receiving signal position.
3. Rotate directions of the EUT horizontally and vertically to find the maximum receiving power.
4. Move the measuring antenna height up and down within $\pm 50\text{cm}$ of EUT height and swing it to find the maximum output of measuring antenna. The output level at the spectrum analyzer is read as "E"
5. Calculate permitted radiation angle in horizontal and vertical using EIRP measured in another test method.
6. Calculate 3dB antenna beam width by the formula below $360/A$ (If $A < 1$; then $A = 1$).
 $A = \{\text{EIRP Power [mW]} / 16.36 \text{ for DS, OFDM}\}$ or
 $A = \{\text{EIRP Power [mW]} / 4.9 \text{ for FH}\}$

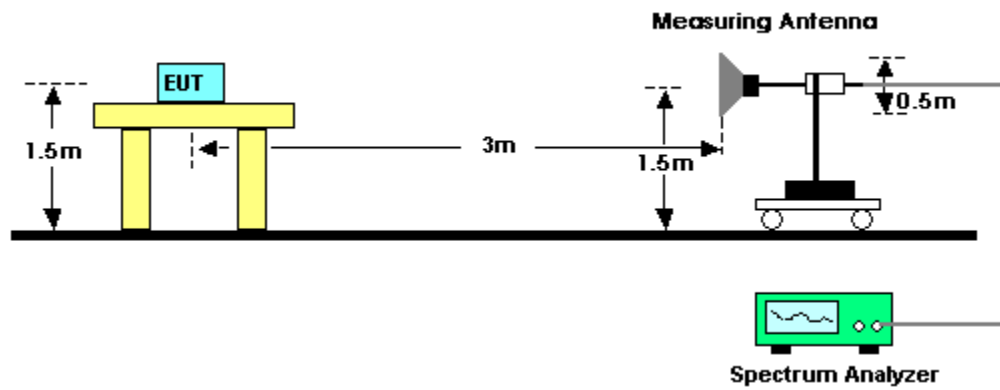
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4.5.4 Test Setup



4.5.5 Test Result

Note: This test item is not applicable

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4.6 RECEIVER SPURIOUS EMISSION AND UNWANTED EMISSION INTENSITY

4.6.1 Limit

Frequency Range	Limits
30MHz ~ 1GHz	4 nW (-54dBm)
1GHz ~ 12.5GHz	20 nW (-47dBm)

4.6.2 Test Setup

The modulation state shall be “continuous receiving mode”.

Start Frequency: Start Frequency of frequency range to measure (30MHz or 1GHz)

Stop Frequency: Stop Frequency of frequency range to measure (1GHz or 12.5GHz)

Span: AUTO (Measurement Range)

RBW: 100 kHz, VBW: 100 kHz for Frequency < 1 GHz

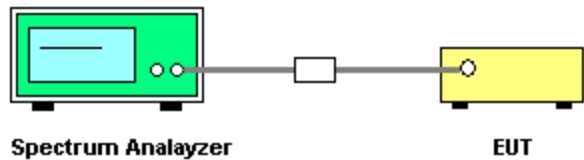
RBW: 1MHz, VBW: 1MHz for Frequency > 1 GHz

Sweep time: AUTO or more

Log scale: 10dB/Div, Data points: 501points (400 points or more)

Detection: Positive Peak

Reference Level: Enough level for maximum dynamic range



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4.6.3 Test Record

Table 5_RECEIVER SPURIOUS EMISSION AND UNWANTED EMISSION INTENSITY

Mode	Normal Voltage	Frequency Range (MHz)	Max Value (dBm)			Limit (dBm)	P/F
			2402MHz	2440MHz	2480MHz		
BLE	Power Supply	30 ~ 1000	-94.09	-93.57	-93.45	-54	Pass
		1000 ~ 6000	-77.73	-77.71	-78.42	-47	Pass
		6000 ~12500	-69.72	-67.02	-66.87	-47	Pass
	Battery Supply	30 ~ 1000	-93.88	-93.34	-92.26	-54	Pass
		1000 ~ 6000	-77.90	-78.52	-78.46	-47	Pass
		6000 ~12500	-69.48	-66.65	-66.21	-47	Pass

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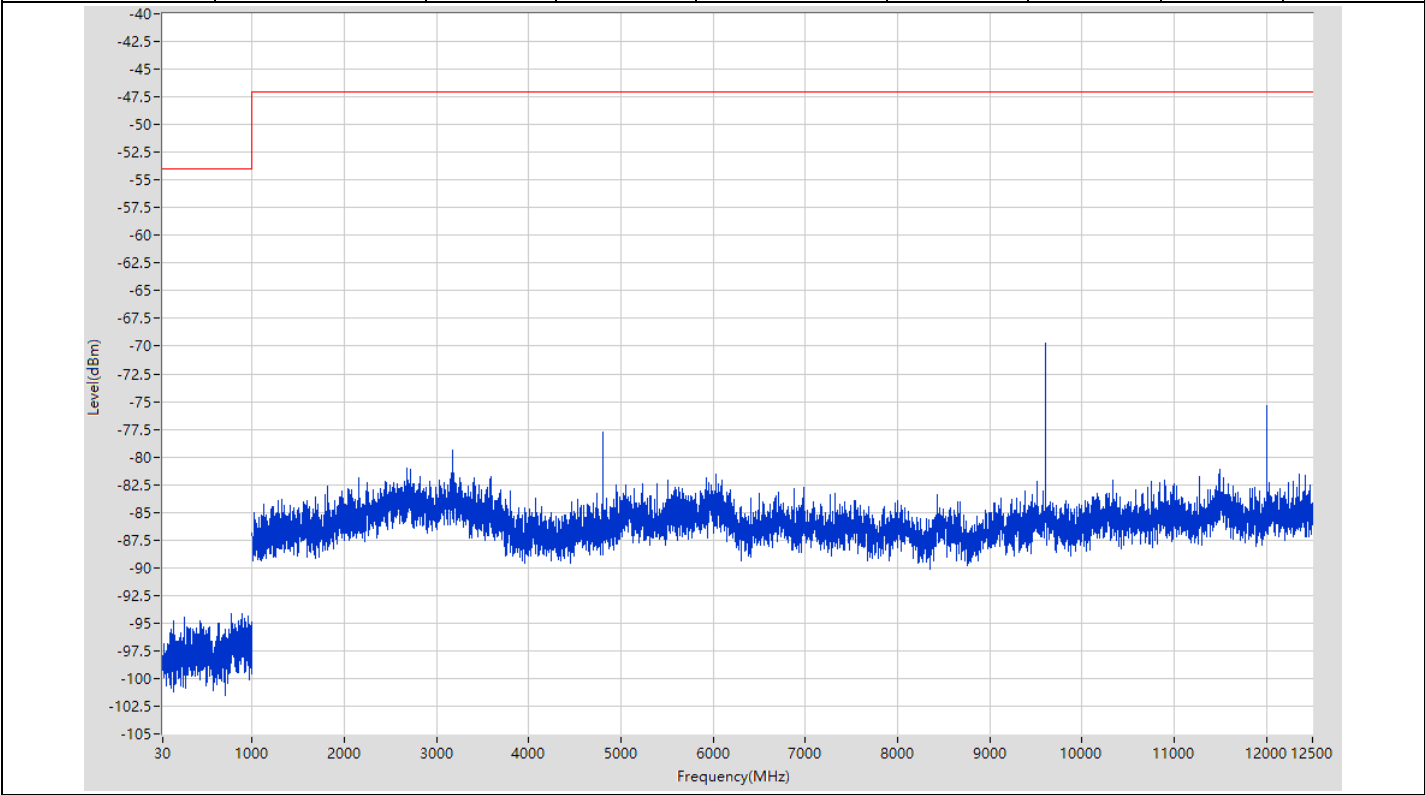
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Normal Voltage (Power Supply)

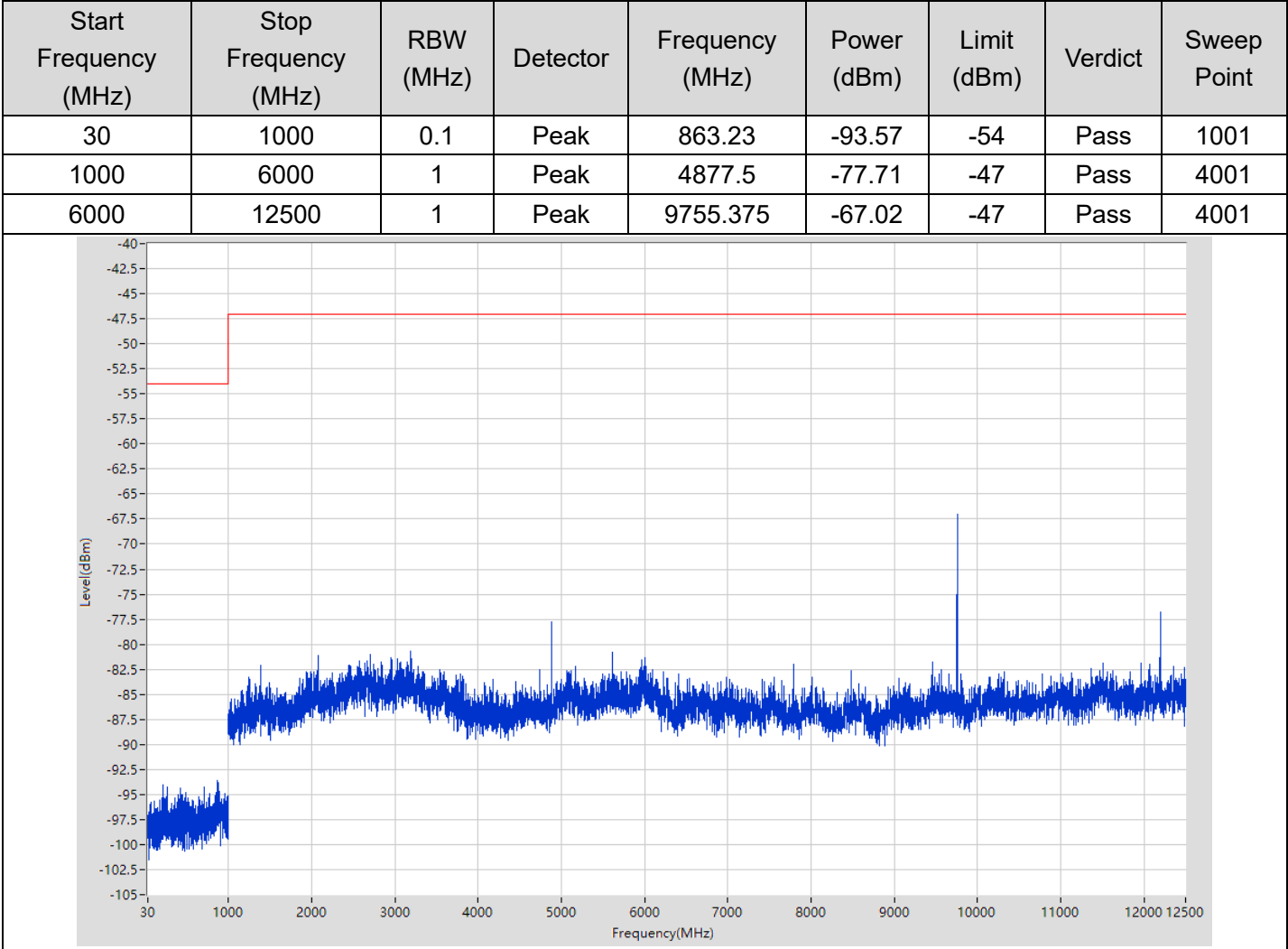
Figure 25-Test Frequency: 2402MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	771.08	-94.09	-54	Pass	1001
1000	6000	1	Peak	4801.25	-77.73	-47	Pass	4001
6000	12500	1	Peak	9604.25	-69.72	-47	Pass	4001



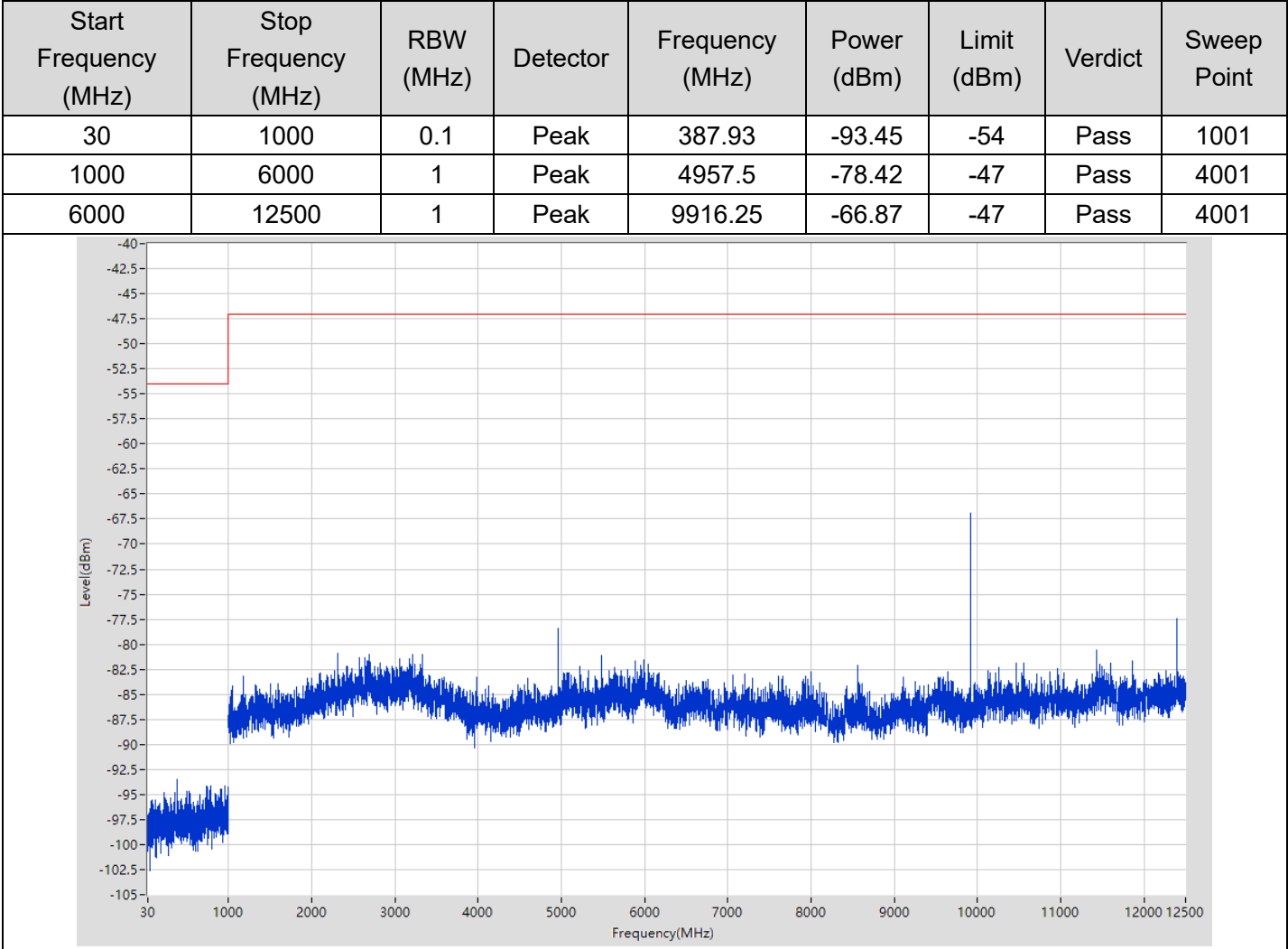
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Figure 26-Test Frequency: 2440MHz



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Figure 27-Test Frequency: 2480MHz



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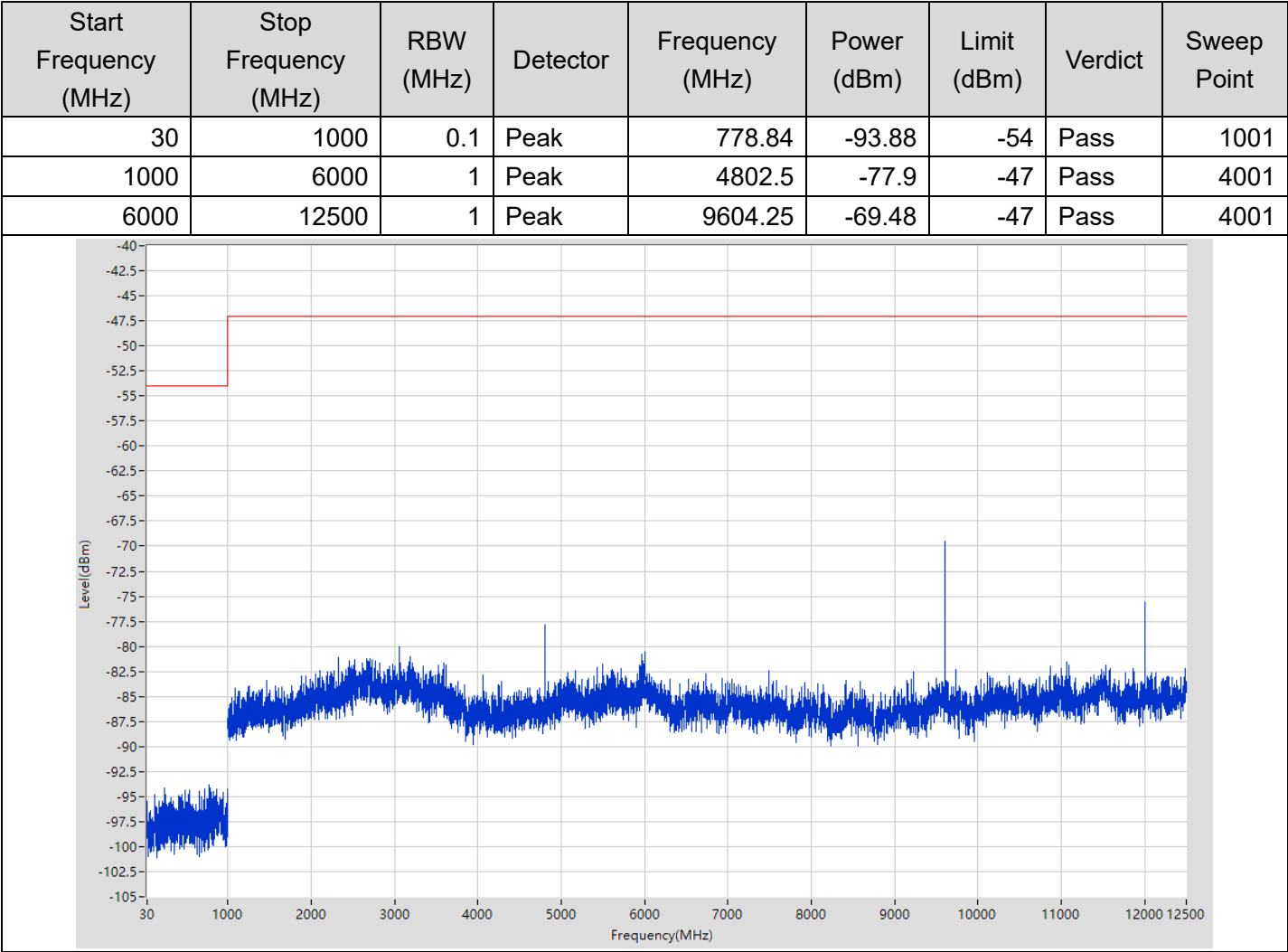
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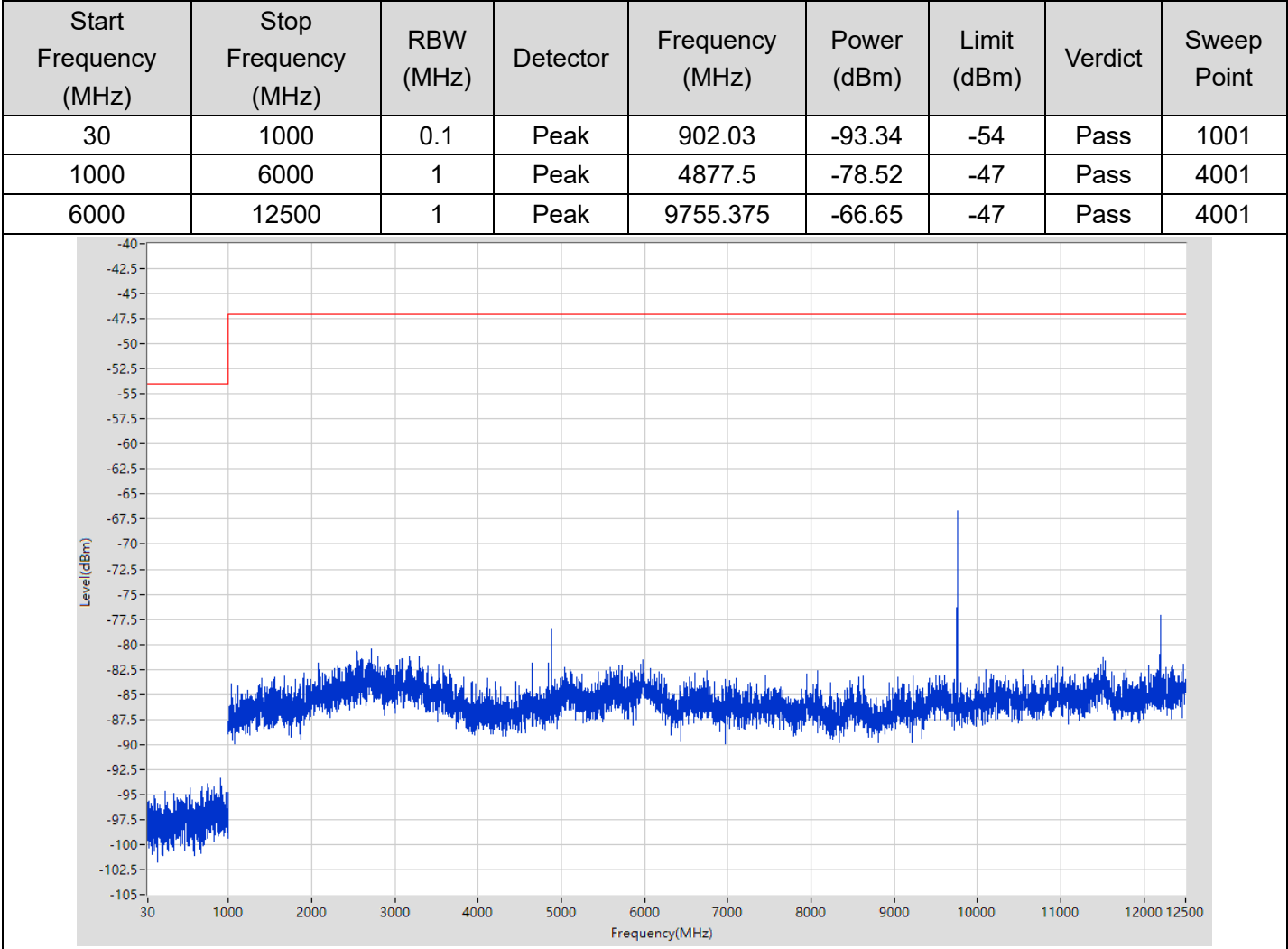
Normal Voltage (Power Supply)

Figure 28-Test Frequency: 2402MHz



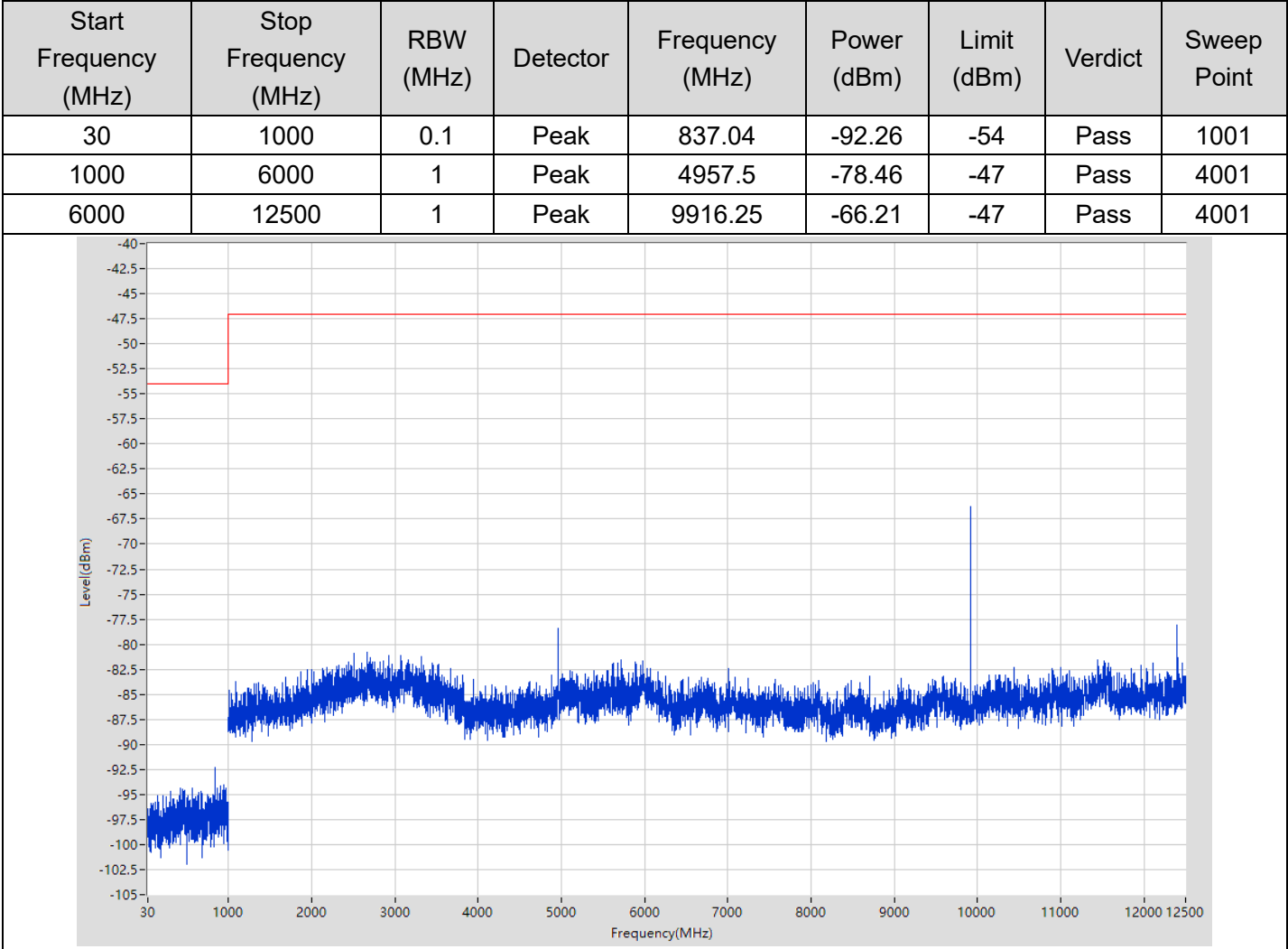
TEST REPORT

Figure 29-Test Frequency: 2440MHz



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Figure 30-Test Frequency: 2480MHz



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4.7 RADIO INTERFERENCE PREVENTION CAPABILITY

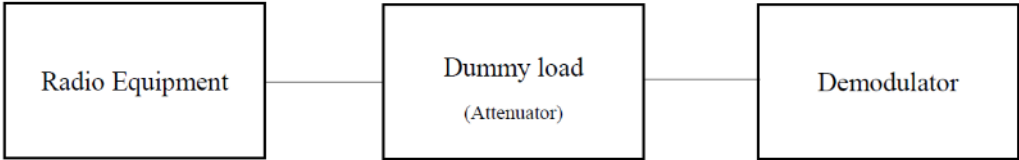
4.7.1 Limit

Item	Limit
Identification code	≥ 48 bits

4.7.2 Test Setup

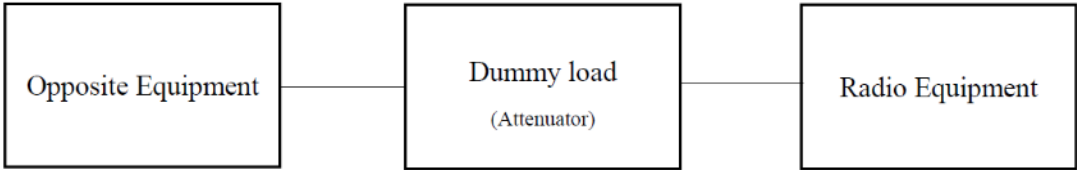
In the case that the EUT has the function of automatically transmitting the identification code:

- a. Transmit the assigned identification code from the radio equipment.
- b. Confirm the identification code received by the demodulator.



In the case of receiving the identification code:

- a. Transmit the assigned identification code from the opposite equipment.
- b. Confirm that the usual communication is available.
- c. Transmit the identification code distinct from the assigned one from the opposite equipment.
- d. Confirm that the radio equipment is stopped or an indication is displayed as the identification code is different.



4.7.3 Test Record

Test Result: Pass
MAC Address: A4:C1:38:9A:9E:61

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4.8 CONSTRUCTION PROTECTION CONFIRMATION

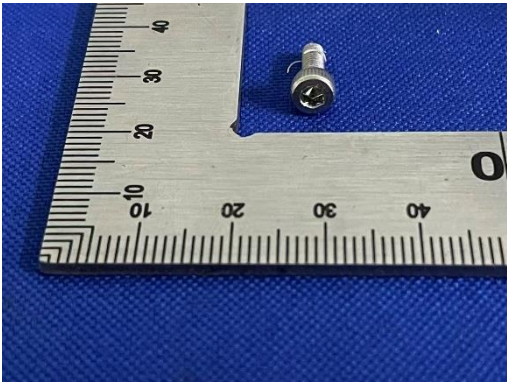
4.8.1 Limit

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily.

4.8.2 Confirmation method

The RF and modulation portions are protected against illegal modification as following method:

Protected Method	Description
BT Module Package	BT Module Package of RF (U15: TLSR8258) and Modulation (TX: 24MHz) portions is QFN48 type.
Enclosure	RF and Modulation components are covered within case of EUT and this case used special screw to protect anybody to open this case.
User Manual	we will add some warning statements on the user manual to against illegal modification



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5 Appendixes

5.1 External Photo of the Sample



All of the sample



Adapter of the sample

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Front of the sample



Rear of the sample

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Left of the sample



Right of the sample

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Top of the sample



Bottom of the sample

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Port of the sample

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5.2 Internal Photo of the Sample



Open-1 of the sample



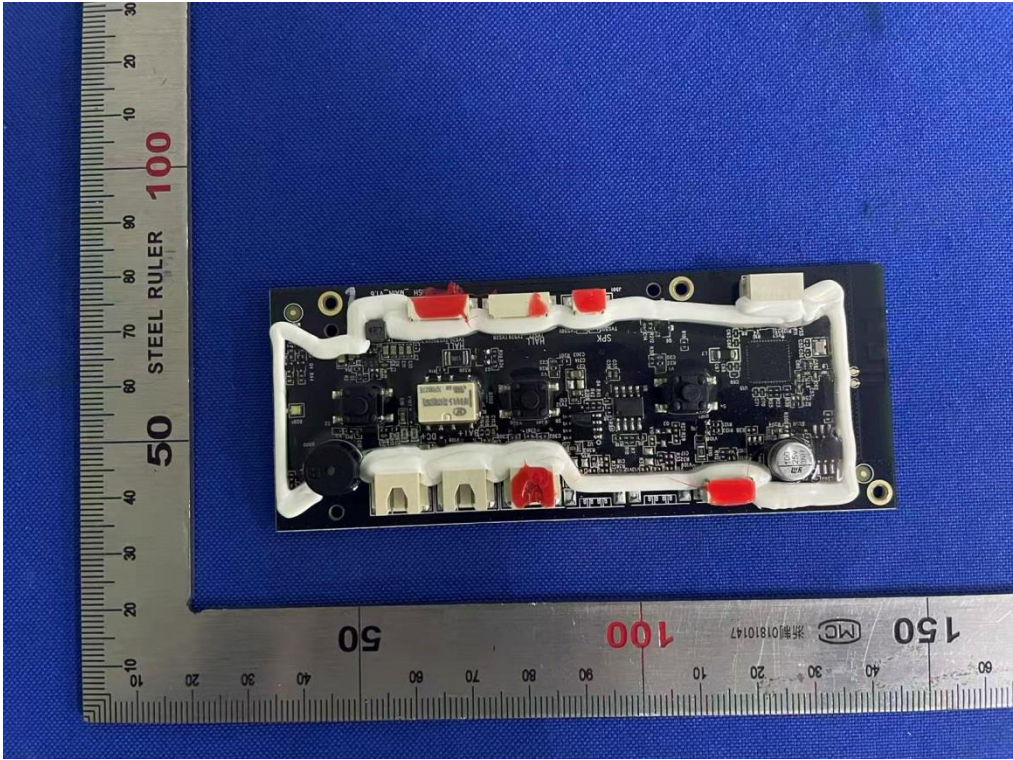
Open-2 of the sample

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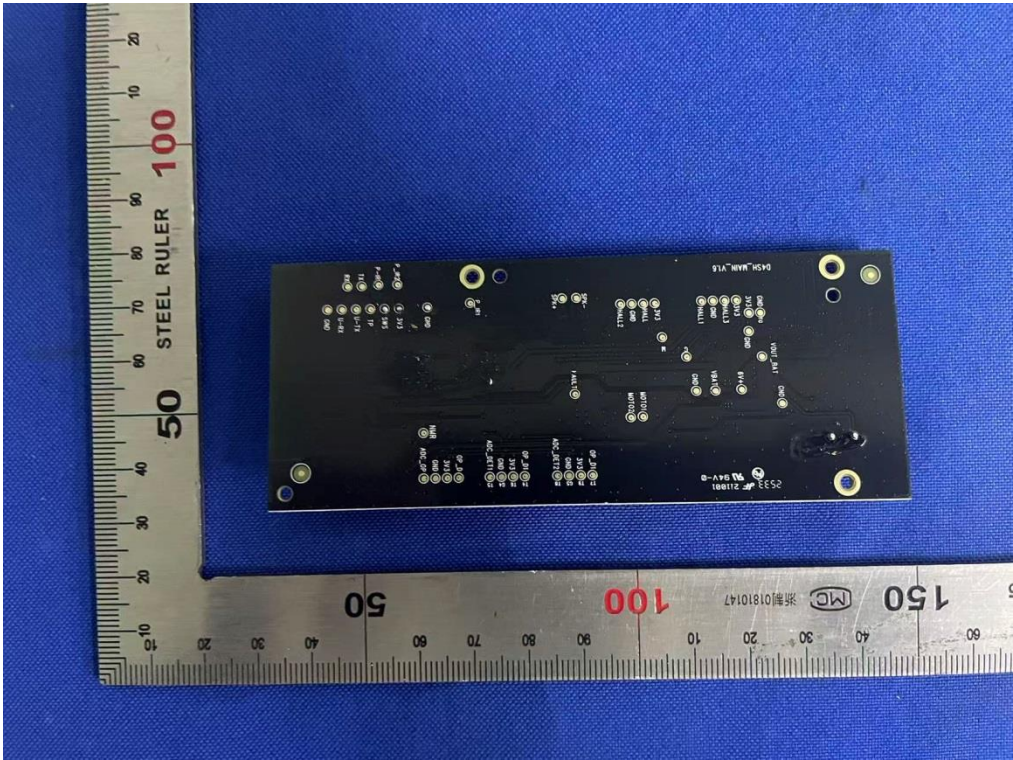
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Internal-1 of the sample



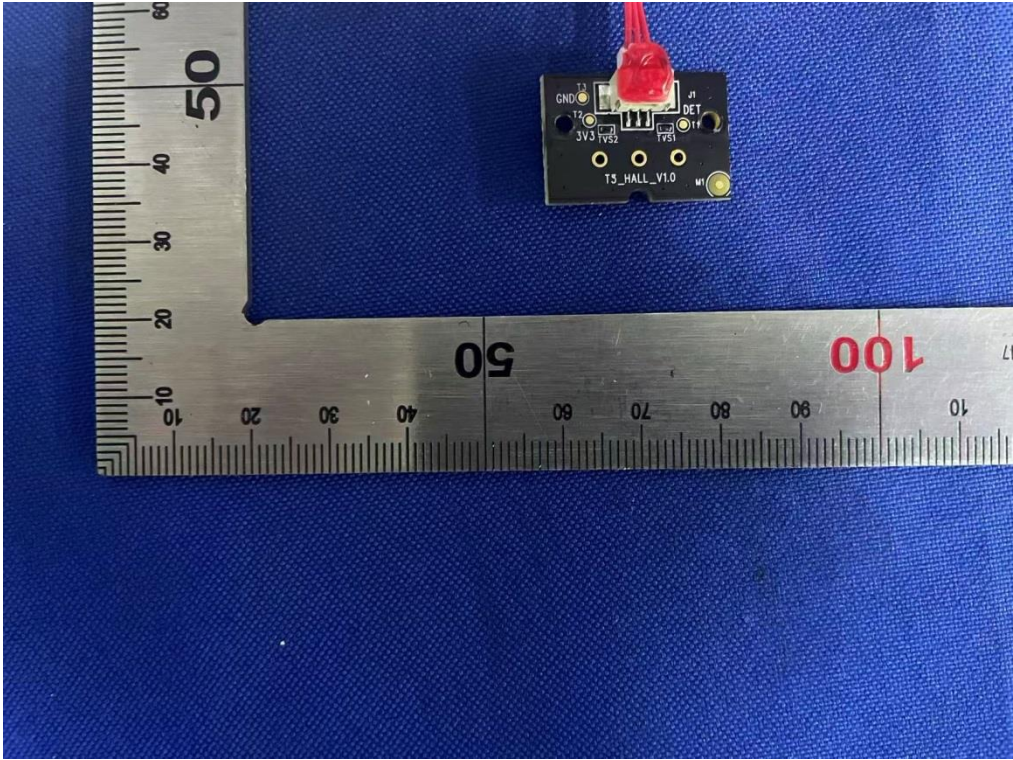
Internal-2 of the sample

TEST REPORT

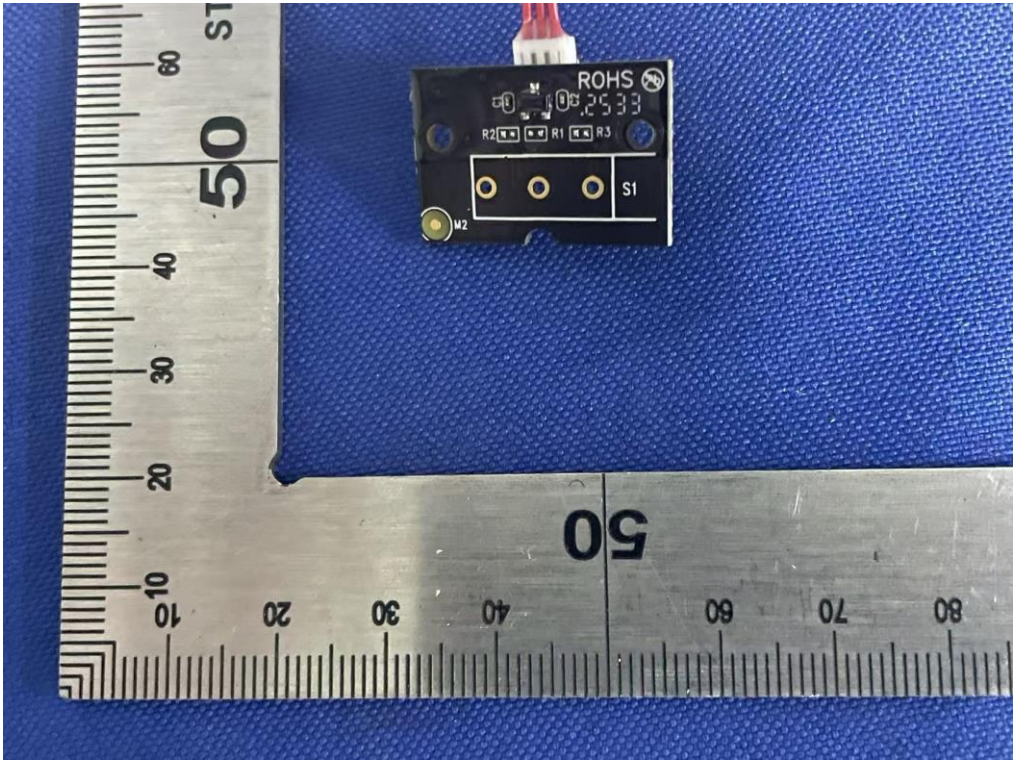
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Internal-3 of the sample



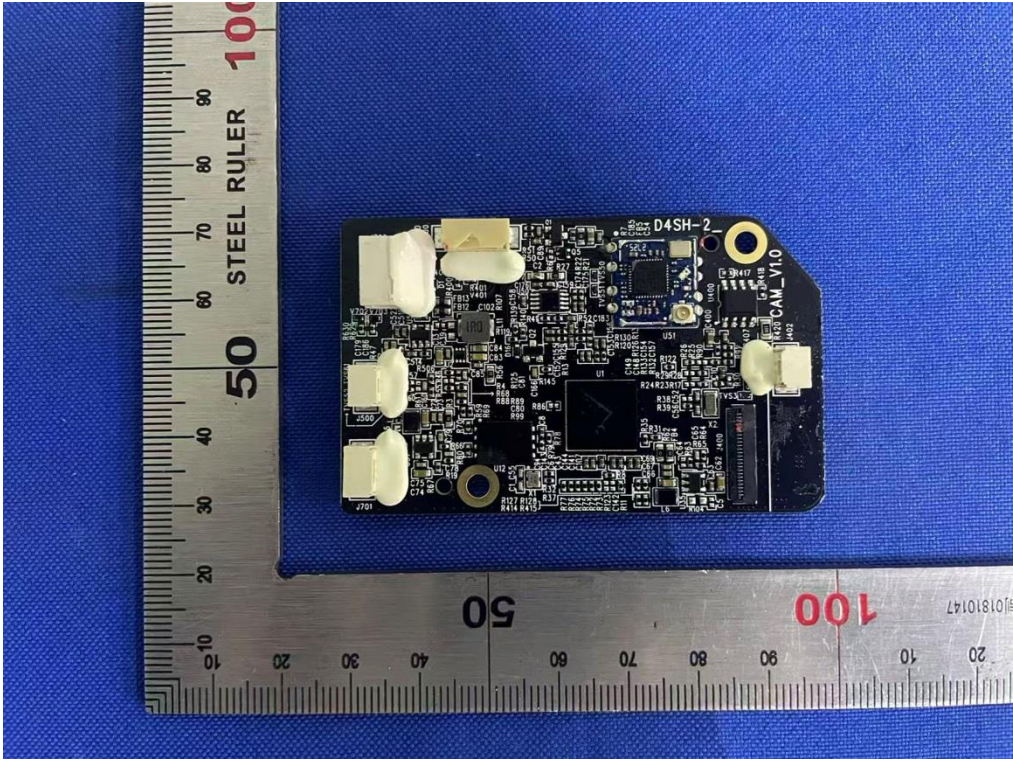
Internal-4 of the sample

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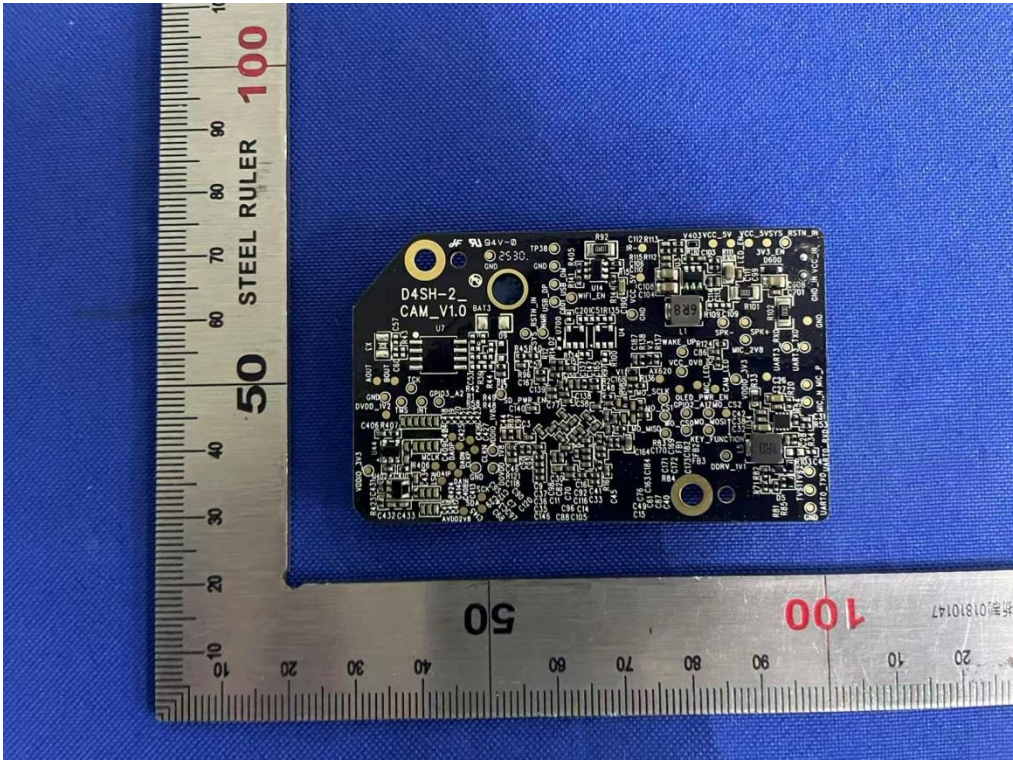
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Internal-5 of the sample



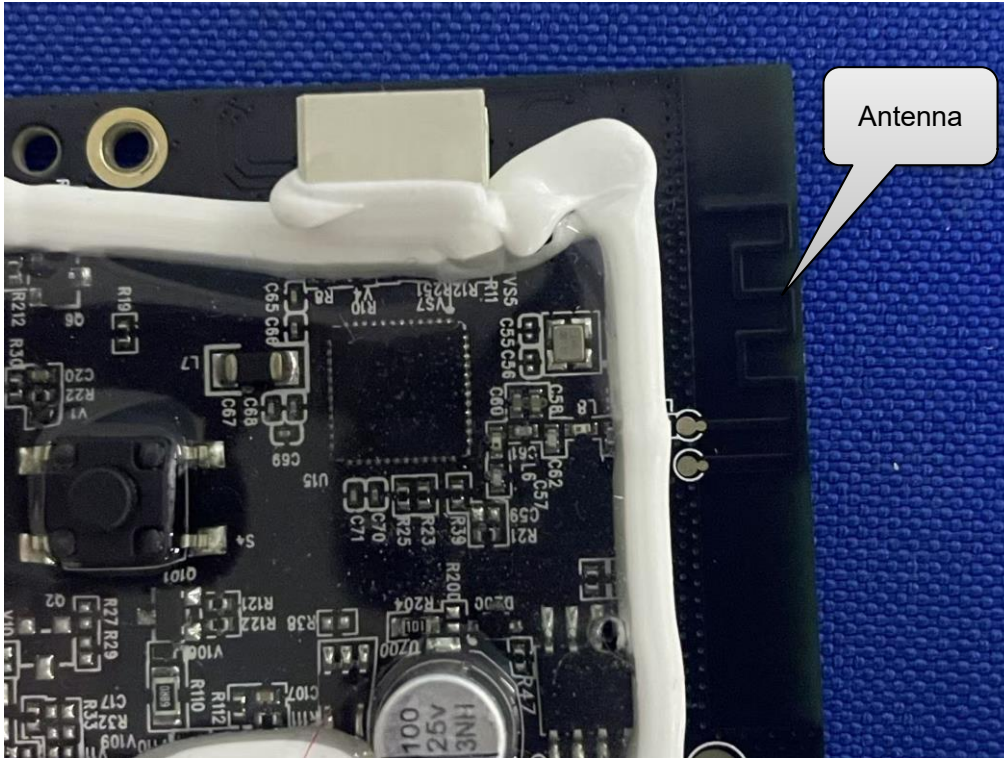
Internal-6 of the sample

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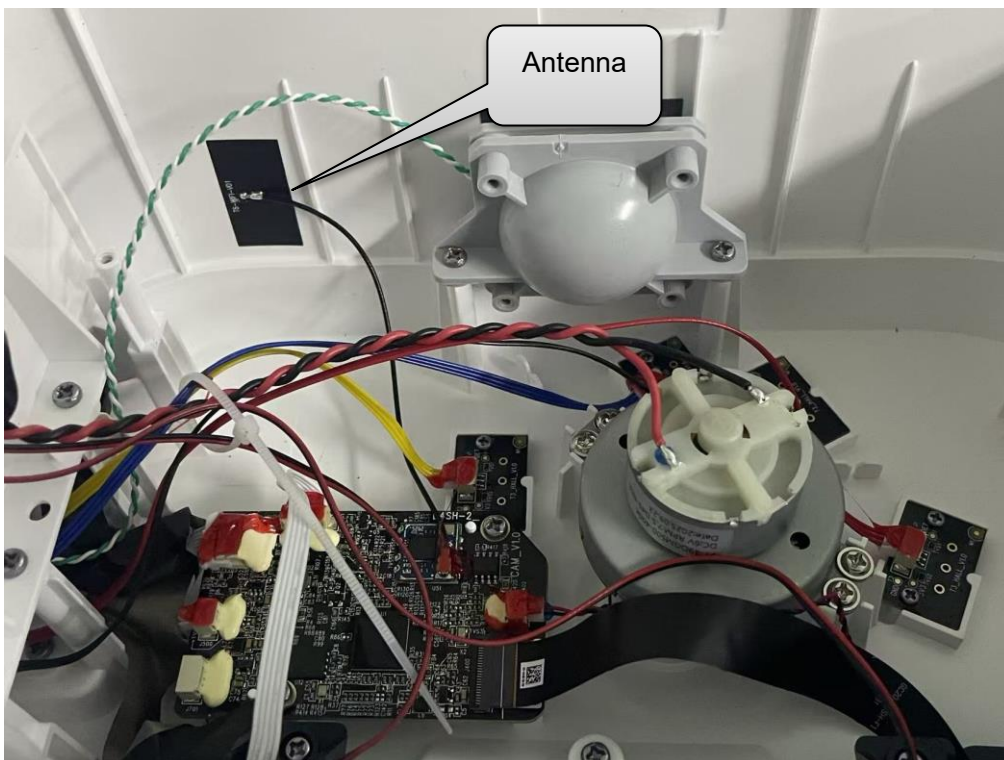
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Bluetooth Antenna position



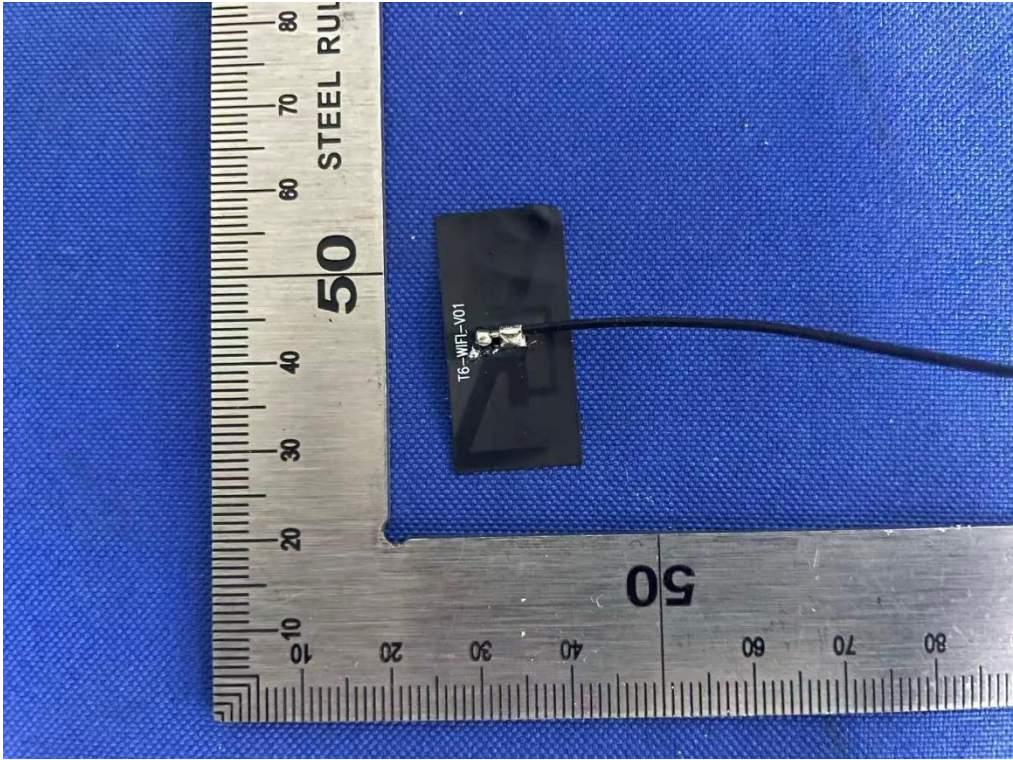
WIFI Antenna position

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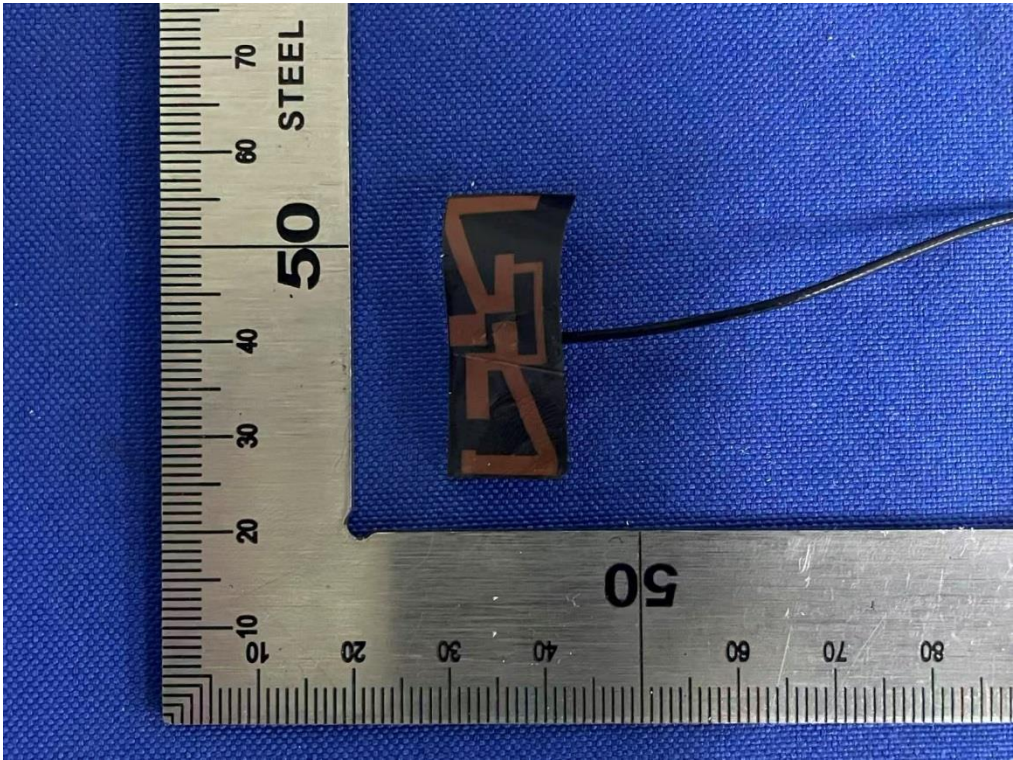
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WiFi Antenna-Front



WiFi Antenna-Back

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5.3 Photographs of the Test Set-up



End of the report