



Report No.: TWN2507481E

Applicant: Jinhua Jinchen sports equipment Co.,Ltd

Product: Electronic Meter

Model No.: JC303 (please refer to page 4 for additional models)

Trademark: N/A

Test Standards: FCC Part 15.247

Test Result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10, FCC Part 15.247 for the evaluation of electromagnetic compatibility

Approved By

Terry Tang

Terry Tang

Manager

Dated: August 06, 2025



Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

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Special Statement:

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

ISED —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of ISED for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

CAB identifier: CN0033

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Test Report Conclusion

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.
Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China
Telephone: (755) 83448688
Fax: (755) 83442996

1.2 Applicant Details

Applicant: Jinhua Jinchen sports equipment Co.,Ltd
Address: No.998 Jinsha Street, Linjiang Industrial Zone, Wucheng District, Jinhua, Zhejiang

1.3 Description of EUT

Product: Electronic Meter
Manufacturer: Jinhua Jinchen sports equipment Co.,Ltd
Address: No.998 Jinsha Street, Linjiang Industrial Zone, Wucheng District, Jinhua, Zhejiang
Trademark: N/A
Additional Trademark: N/A
Model Number: JC303
Additional Model Number: JC312, JC318, JC309, JC305, JC306, JC305W, JC318, JC322, JC317, H300, H310, H320, H350, H311, H360, H340, JC301, JC302, JC307, JC308, JC503, JC505, JC506, JC507, X1, X2, X3, X5, H360, H370, H380, HH2009, HH2002, JJD2627, CL6028-T63
Hardware Version: FTMS_B03_V1.0
Software Version: V1.0.0
Serial No.: JC30320250700001
Type of Modulation: GFSK (Bluetooth BLE)
Frequency range: 2402-2480MHz
Frequency Selection: By software
Channel Number: 40
Rating: DC3V, 10mA
Battery: DC3V, 2pcs AAA batteries

1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2025-07-21 to 2025-08-06

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

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Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty =6.0dB

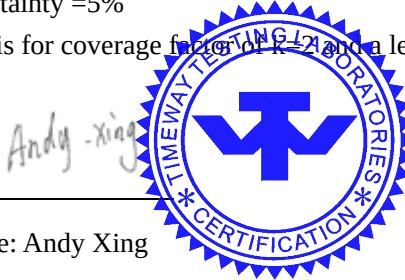
Occupied Channel Bandwidth Uncertainty =5%

Note: The measurement uncertainty is for coverage factor of $k=2$ and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

Print Name: Andy Xing



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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100253	2025-07-11	2026-07-10
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2025-07-11	2026-07-10
Loop Antenna	EMCO	6507	00078608	2025-07-17	2028-07-16
Spectrum	R&S	FSIQ26	100292	2025-07-11	2026-07-10
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2025-07-17	2028-07-16
Horn Antenna	R&S	BBHA 9120D	9120D-631	2025-07-17	2028-07-16
Power meter	Anritsu	ML2487A	6K00003613	2025-07-11	2026-07-10
Power sensor	Anritsu	MA2491A	32263	2025-07-11	2026-07-10
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2025-07-17	2028-07-16
9*6*6 Anechoic	--	--	N/A	2025-07-11	2028-07-10
EMI Test Receiver	RS	ESCS 30	834115/006	2025-07-11	2026-07-10
Spectrum	HP/Agilent	E4407B	MY50441392	2025-07-11	2026-07-10
Spectrum	RS	FSP	1164.4391.38	2025-07-11	2026-07-10
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2025-07-11	2026-07-10
RF Cable	Zhengdi	7m	--	2025-07-11	2026-07-10
Pre-Amplifier	Schwarebeck	BBV9743	#218	2025-07-11	2026-07-10
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2025-07-11	2026-07-10
LISN	SCHAFFNER	NNB42	00012	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10
Spectrum	KEYSIGHT	N9020B	--	2025-07-11	2026-07-10

2.2 Automation Test Software

For Conducted Emission Test

Name	Version
EZ-EMC	Ver.EMC-CON 3A1.1

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:			
Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.207	Conducted Emission Test	N/A	N/A
FCC Part 15 Subpart C Paragraph 15.247(a)(2) Limit	Spectrum bandwidth of a Orthogonal Frequency Division Multiplex System Limit: 6dB bandwidth>500kHz	Pass	Complies
FCC Part 15, Paragraph 15.247(b)	Maximum peak output power Limit: max. 30dBm	Pass	Complies
FCC Part 15, Paragraph 15.205 & 15.209	Transmitter Radiated Emission Limit: Table 15.209	Pass	Complies
FCC Part 15, Paragraph 15.247(e)	Power Spectral Density Limit: max. 8dBm	Pass	Complies
FCC Part 15, Paragraph 15.247(d)	Out of Band Emission and Restricted Band Radiation Limit: 20dB less than peak value of fundamental frequency Restricted band limit: Table 15.209	Pass	Complies

3.2 Test Standards

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

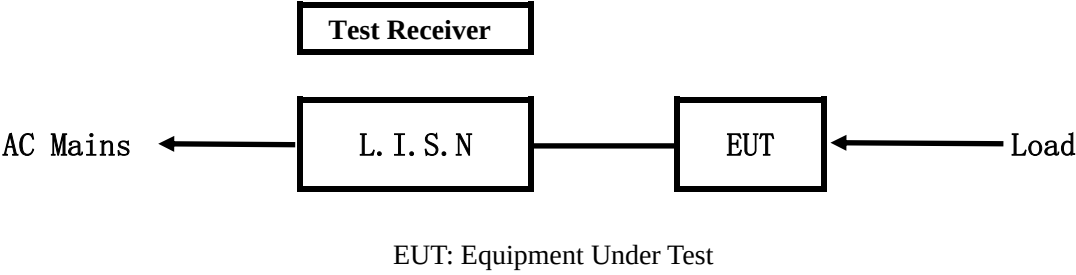
4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.



5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

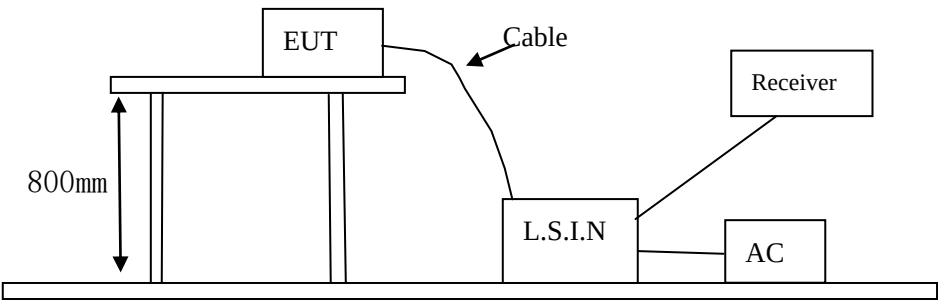


5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2020+Cor.1-2023. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2020+Cor.1-2023.

Test Voltage: N/A

Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.10-2020+Cor.1-2023. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device	Manufacturer	Model	FCC ID
Electronic Meter	Jinhua Jinchun sports equipment Co.,Ltd	JC303 (please refer to page 4 for additional models)	2BRZV-JC0903

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B. Internal Device

Device	Manufacturer	Model	Rating

C. Peripherals

Device	Manufacturer	Model	Rating

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2020+Cor.1-2023.

A Setup the EUT and simulators as shown on follow

B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency (MHz)	Limits (dB μ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66.0~56.0*	56.0~46.0*
0.50 ~ 5.00	56.0	46.0
5.00 ~ 30.00	60.0	50.0

- Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

N/A

Note: EUT powered by AAA battery, so this test item not applicable.

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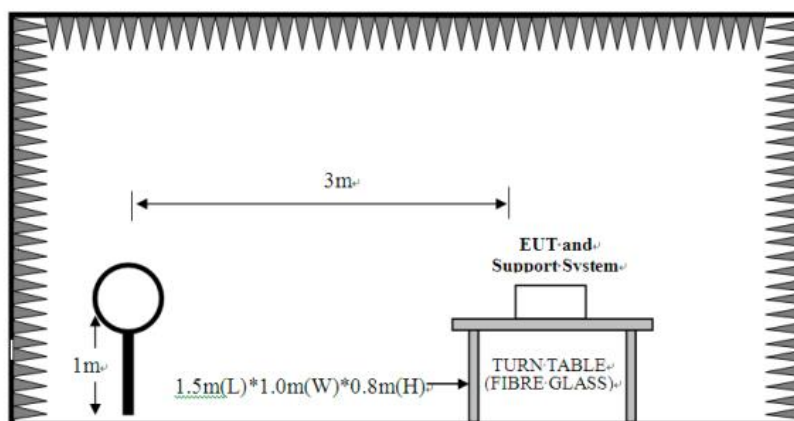
6 Radiated Emission Test

6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2020+Cor.1-2023. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No.744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2020+Cor.1-2023.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=1MHz VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a “QP” in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



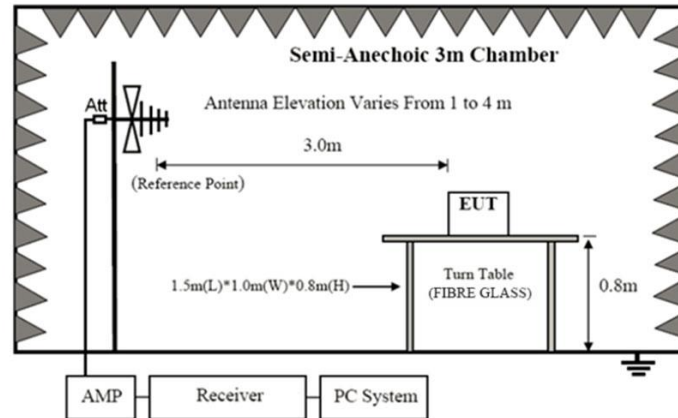
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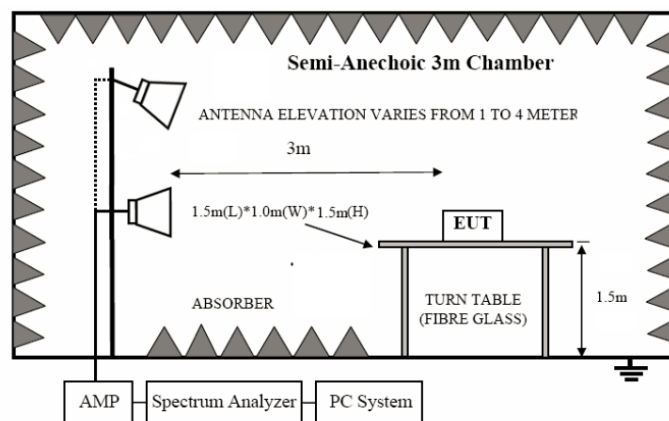
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



6.2 Configuration of The EUT

Same as section 5.3 of this report

6.3 EUT Operating Condition

Same as section 5.4 of this report.

6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

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Frequencies in restricted band are complied to limit on Paragraph 15.209

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

- Note:
1. RF Voltage (dBuV) = 20 log RF Voltage (μ V)
 2. In the Above Table, the higher limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
 4. Worse case were recorded in the test report. BLE-1M was the worst case.

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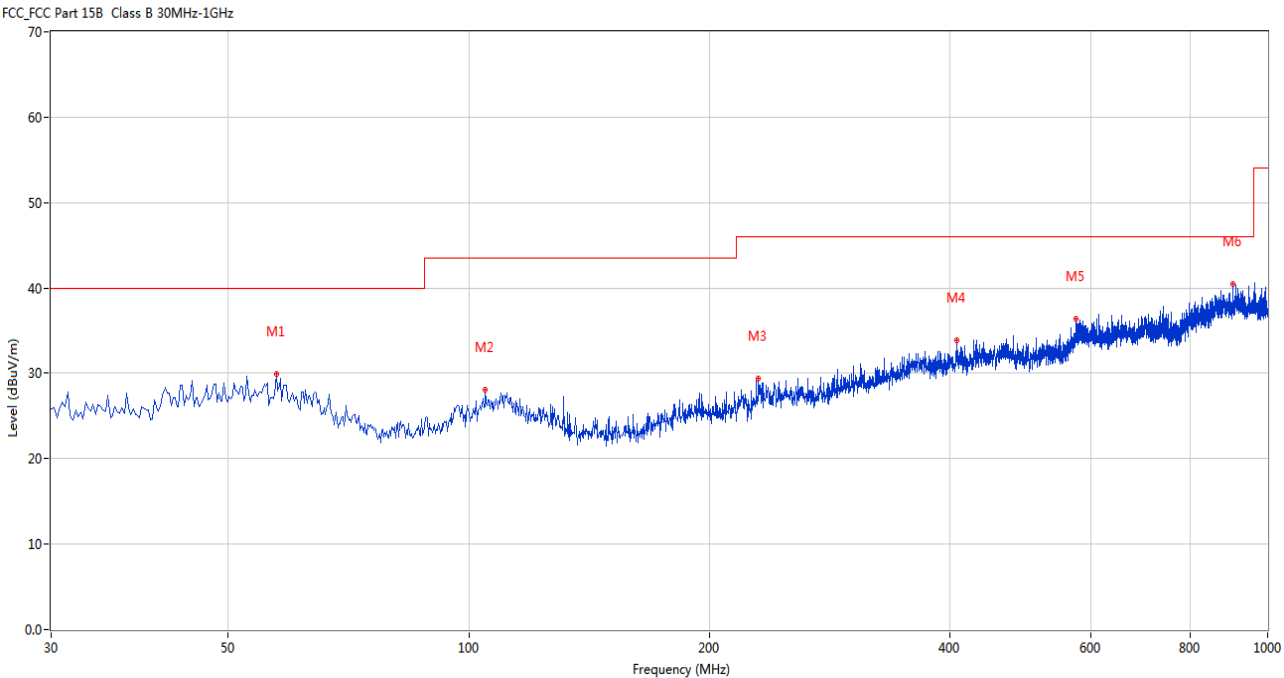
Test result
General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Bluetooth Transmitting

Results: Pass

Test Figure:



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	57.396	29.87	-4.92	40.0	10.13	Peak	284.00	100	Horizontal	Pass
2	104.914	28.04	-6.23	43.5	15.46	Peak	51.00	100	Horizontal	Pass
3	230.497	29.43	-5.64	46.0	16.57	Peak	357.00	100	Horizontal	Pass
4	407.963	33.85	-1.16	46.0	12.15	Peak	238.00	100	Horizontal	Pass
5	575.489	36.34	1.27	46.0	9.66	Peak	151.00	100	Horizontal	Pass
6	905.206	40.45	4.94	46.0	5.55	Peak	190.00	100	Horizontal	Pass

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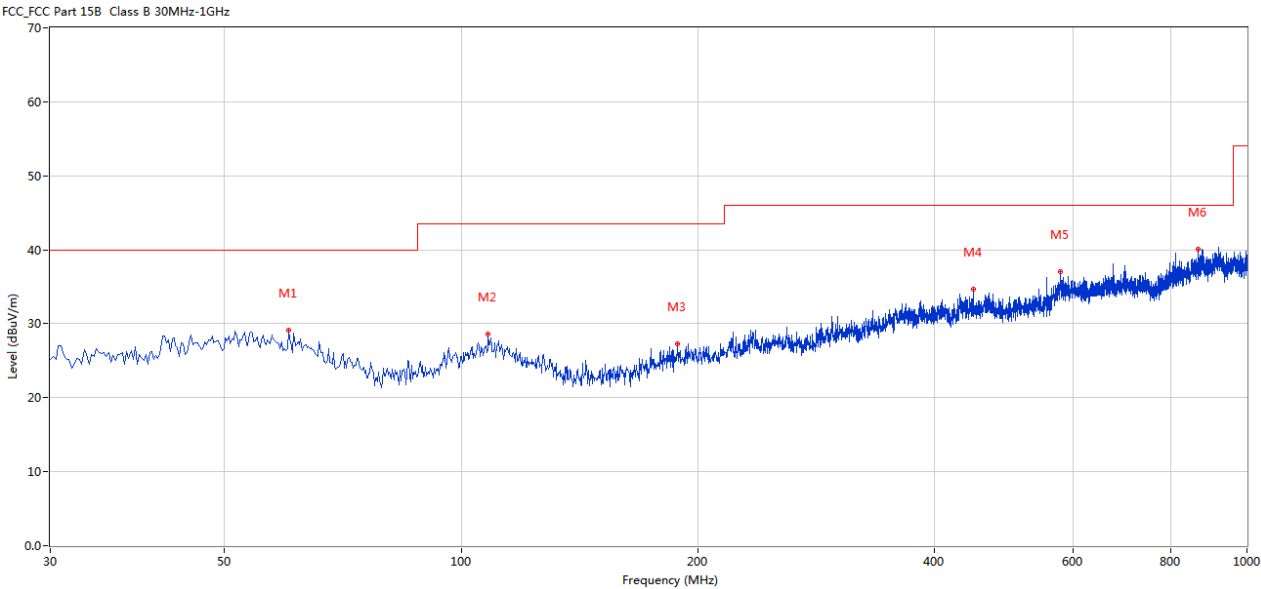
Test result
General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: **Keep Transmitting**

Results: **Pass**

Test Figure:



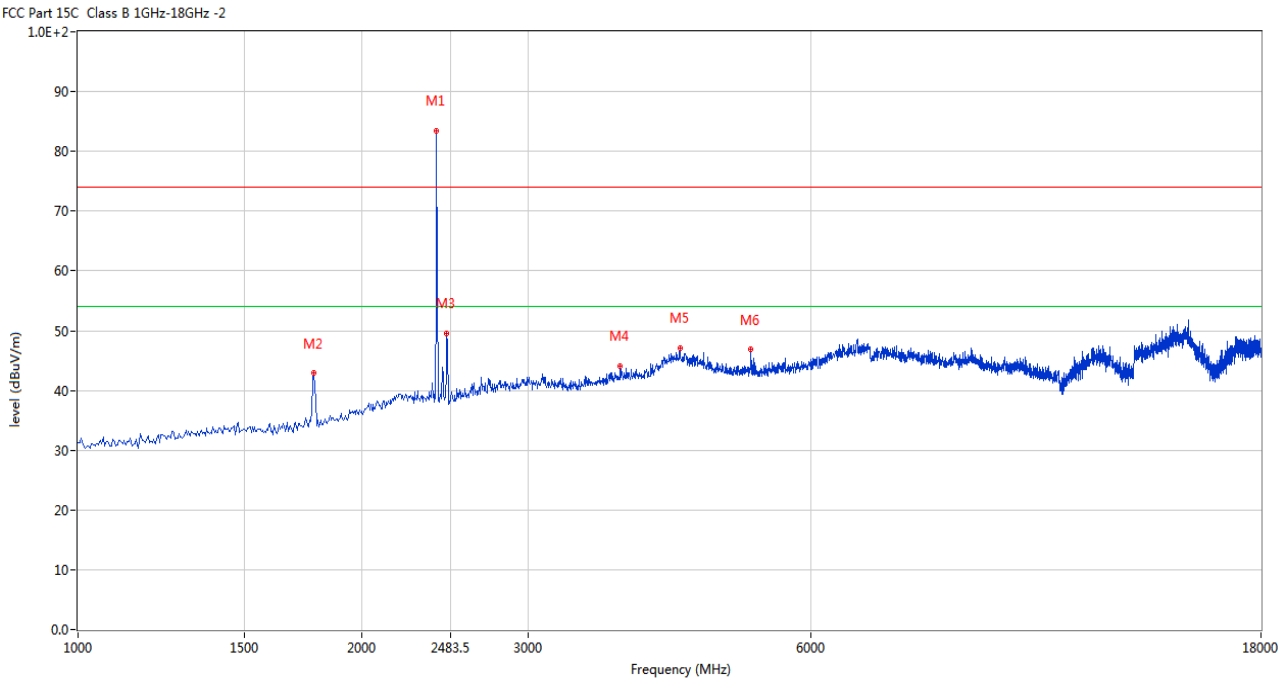
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	60.305	29.08	-5.47	40.0	10.92	Peak	238.00	100	Vertical	Pass
2	108.308	28.62	-5.98	43.5	14.88	Peak	281.00	100	Vertical	Pass
3	188.555	27.31	-7.36	43.5	16.19	Peak	76.00	100	Vertical	Pass
4	448.208	34.62	-0.94	46.0	11.38	Peak	251.00	100	Vertical	Pass
5	578.883	37.00	1.78	46.0	9.00	Peak	152.00	100	Vertical	Pass
6	867.628	40.04	4.83	46.0	5.96	Peak	317.00	100	Vertical	Pass

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Please refer to the following test plots for details: Low Channel-2402MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	83.42	-3.57	114.0	-30.58	Peak	312.00	100	Horizontal	Pass
2	1777.556	42.89	-6.98	74.0	-31.11	Peak	86.00	100	Horizontal	Pass
3	2461.635	49.48	-3.57	74.0	-24.52	Peak	221.00	100	Horizontal	Pass
4	3761.810	44.01	0.11	74.0	-29.99	Peak	280.00	100	Horizontal	Pass
5	4352.412	47.09	1.92	74.0	-26.91	Peak	117.00	100	Horizontal	Pass
6	5172.457	46.87	3.69	74.0	-27.13	Peak	81.00	100	Horizontal	Pass

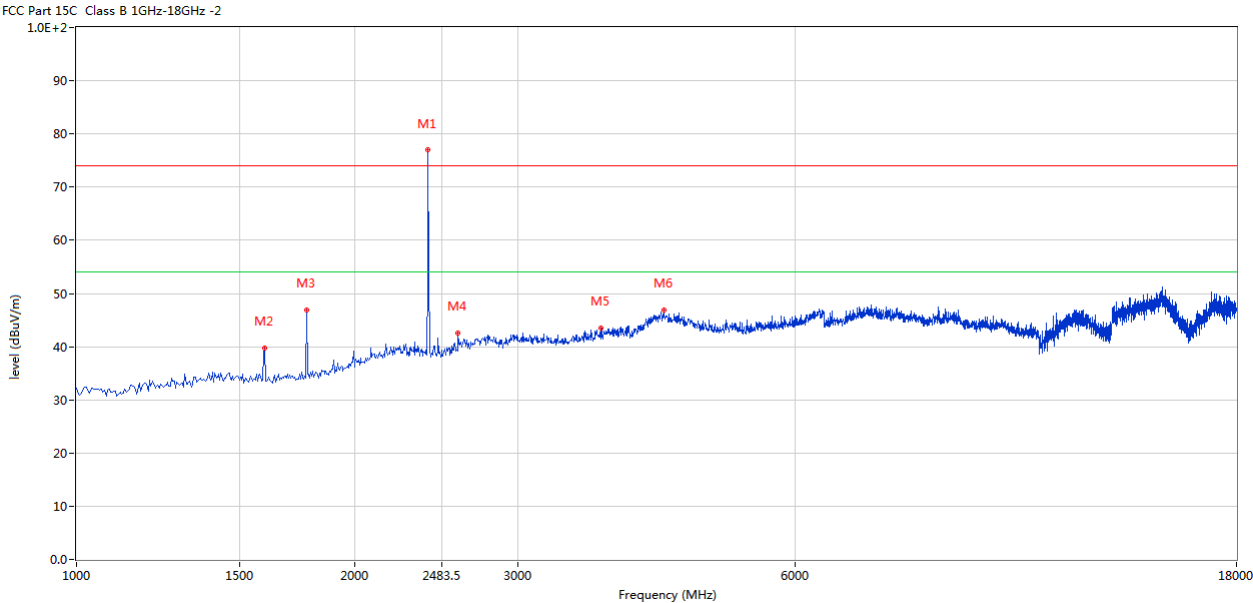
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Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	76.96	-3.57	114.0	-37.04	Peak	120.00	100	Vertical	Pass
2	1599.100	39.70	-7.97	74.0	-34.30	Peak	207.00	100	Vertical	Pass
3	1773.307	46.92	-7.02	74.0	-27.08	Peak	182.00	100	Vertical	Pass
4	2589.103	42.49	-3.35	74.0	-31.51	Peak	73.00	100	Vertical	Pass
5	3698.075	43.41	-0.23	74.0	-30.59	Peak	275.00	100	Vertical	Pass
6	4322.669	46.98	1.88	74.0	-27.02	Peak	146.00	100	Vertical	Pass

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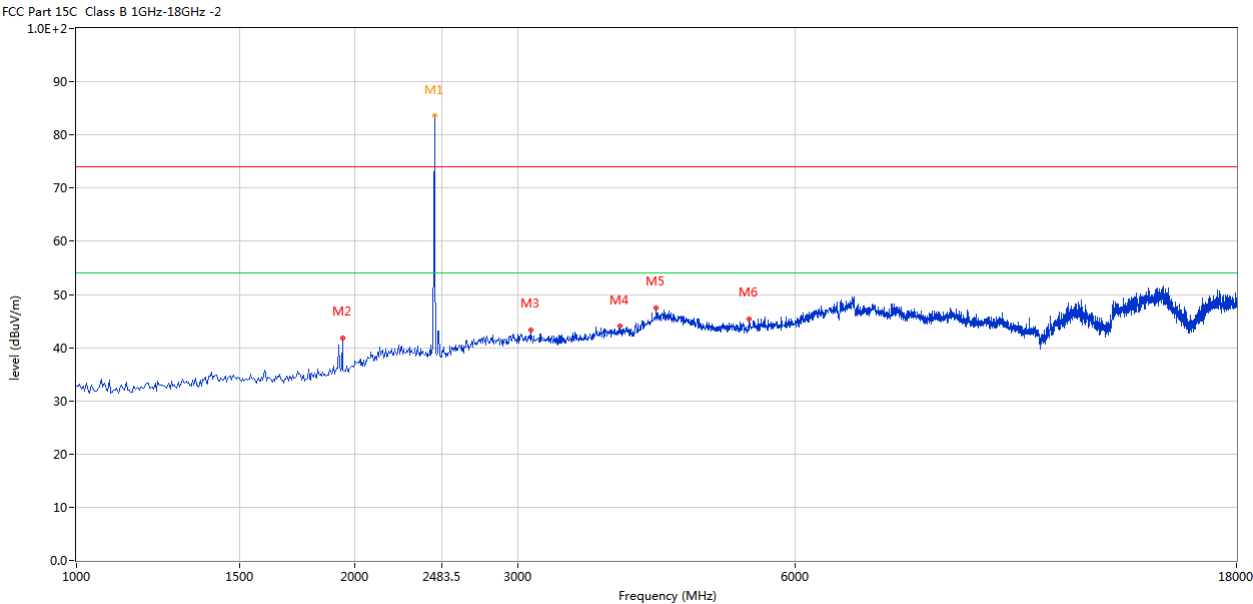
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Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2440	83.60	-3.57	114.0	-30.40	Peak	194.00	100	Horizontal	Pass
2	1939.015	41.86	-5.60	74.0	-32.14	Peak	68.00	100	Horizontal	Pass
3	3098.975	43.37	-2.20	74.0	-30.63	Peak	282.00	100	Horizontal	Pass
4	3876.531	43.98	0.70	74.0	-30.02	Peak	246.00	100	Horizontal	Pass
5	4241.940	47.45	1.70	74.0	-26.55	Peak	137.00	100	Horizontal	Pass
6	5342.414	45.42	3.57	74.0	-28.58	Peak	137.00	100	Horizontal	Pass

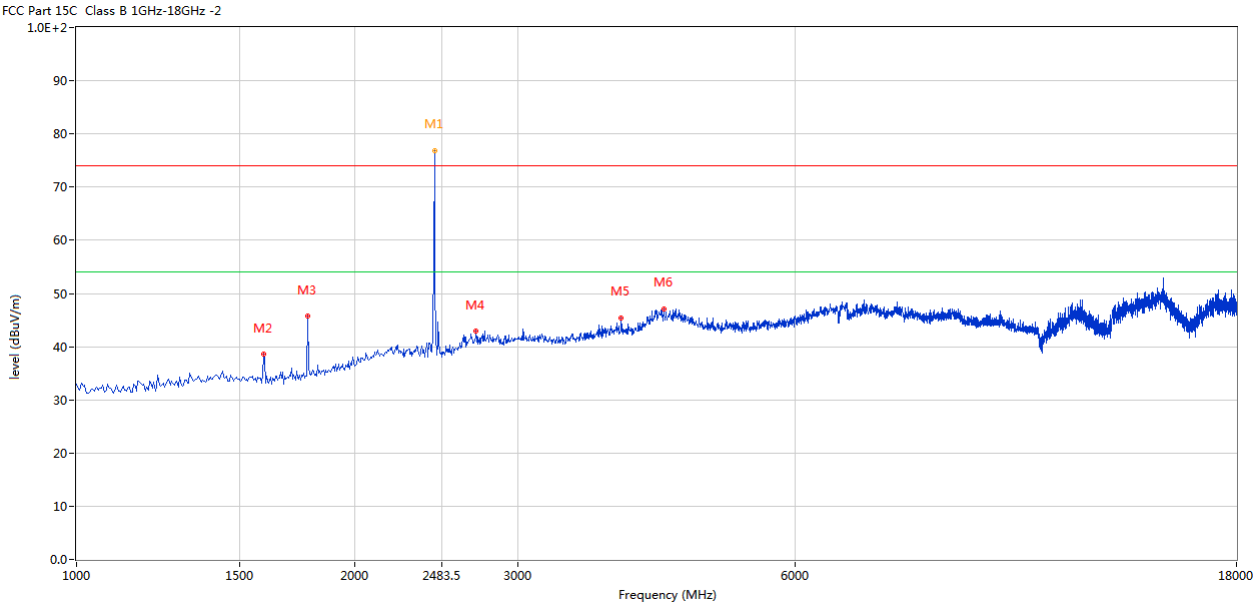
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Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	76.91	-3.57	114.0	-37.09	Peak	321.00	100	Vertical	Pass
2	1594.851	38.59	-7.98	74.0	-35.41	Peak	228.00	100	Vertical	Pass
3	1777.556	45.75	-6.98	74.0	-28.25	Peak	321.00	100	Vertical	Pass
4	2708.073	42.97	-2.94	74.0	-31.03	Peak	137.00	100	Vertical	Pass
5	3885.029	45.42	0.74	74.0	-28.58	Peak	111.00	100	Vertical	Pass
6	4318.420	47.15	1.87	74.0	-26.85	Peak	250.00	100	Vertical	Pass

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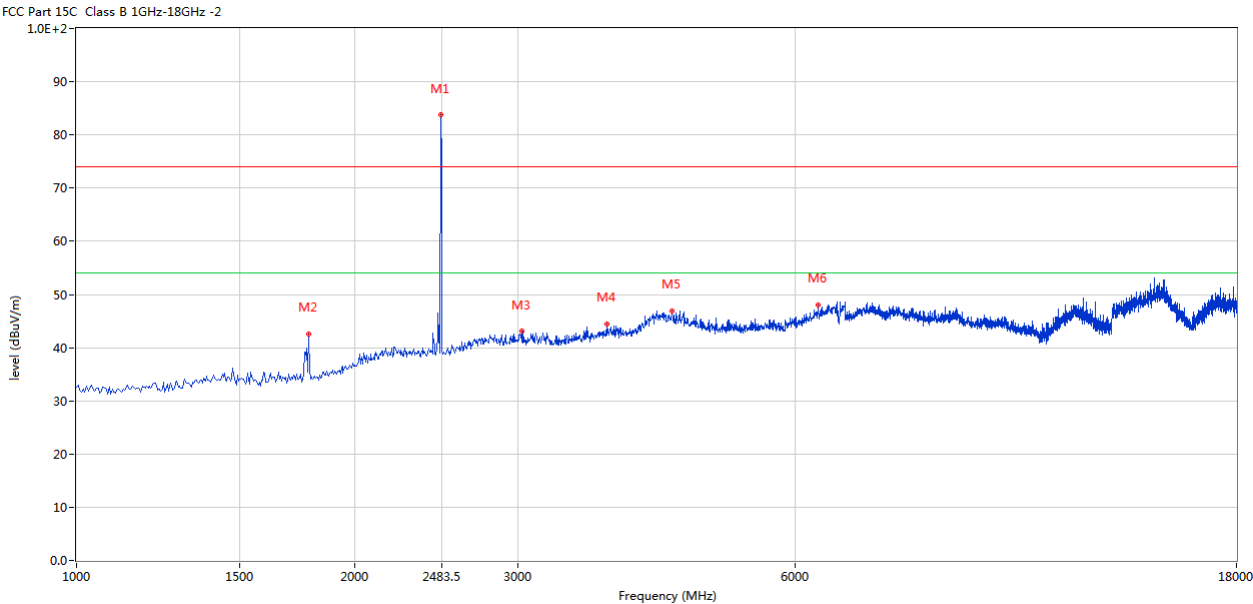
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	83.79	-3.57	114.0	-30.21	Peak	259.00	100	Horizontal	Pass
2	1781.805	42.62	-6.95	74.0	-31.38	Peak	87.00	100	Horizontal	Pass
3	3030.992	43.05	-2.50	74.0	-30.95	Peak	76.00	100	Horizontal	Pass
4	3749.063	44.48	0.04	74.0	-29.52	Peak	11.00	100	Horizontal	Pass
5	4411.897	46.92	2.02	74.0	-27.08	Peak	222.00	100	Horizontal	Pass
6	6349.413	48.06	5.16	74.0	-25.94	Peak	180.00	100	Horizontal	Pass

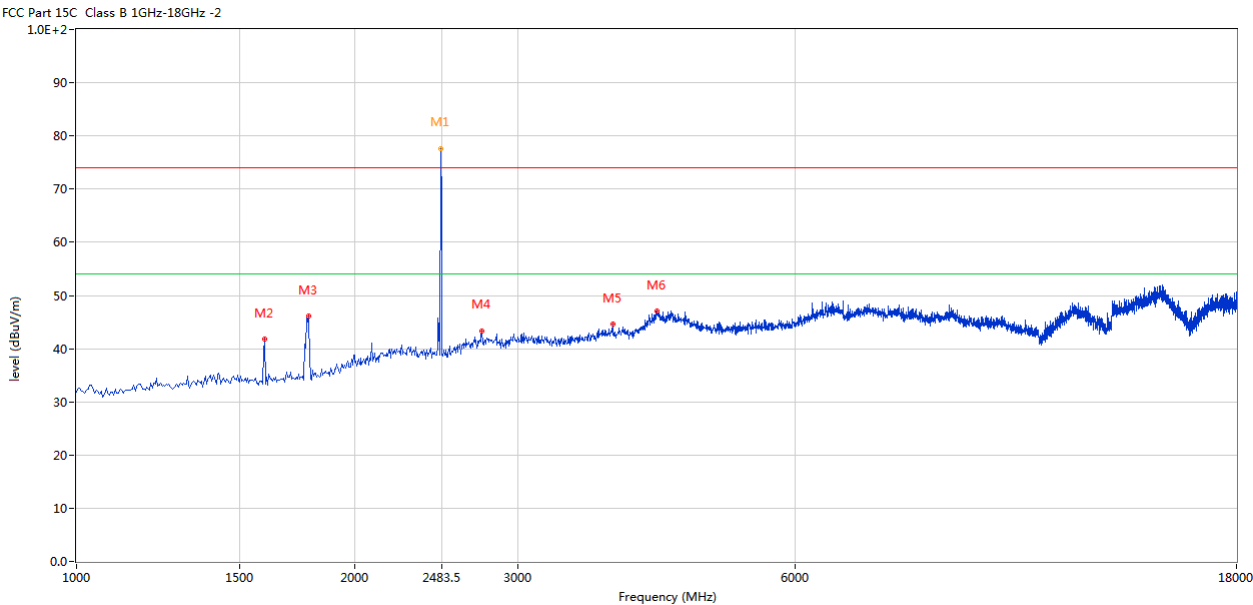
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Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	77.57	-3.57	114.0	-36.43	Peak	103.00	100	Vertical	Pass
2	1599.100	41.72	-7.97	74.0	-32.28	Peak	187.00	100	Vertical	Pass
3	1781.805	46.09	-6.95	74.0	-27.91	Peak	207.00	100	Vertical	Pass
4	2746.313	43.31	-2.84	74.0	-30.69	Peak	259.00	100	Vertical	Pass
5	3804.299	44.63	0.33	74.0	-29.37	Peak	213.00	100	Vertical	Pass
6	4250.437	47.05	1.72	74.0	-26.95	Peak	46.00	100	Vertical	Pass

- Note:
- (2) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier
 - (3) Margin=Emission-Limits
 - (4) According to section 15.35(b), the peak limit is 20dB higher than the average limit
 - (5) For test purpose, keep EUT continuous transmitting
 - (5) For emission above 18GHz and Below 30MHz, It is only the floor noise. No necessary to take down.
 - (6) the measured PK value less than the AV limit.

The report refers only to the sample tested and does not apply to the bulk.

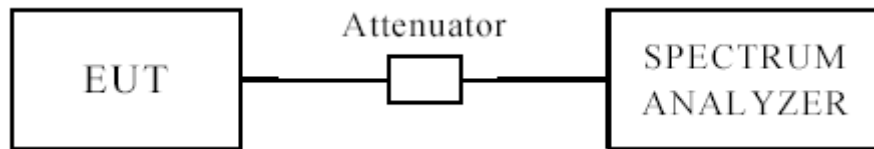
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7.0 6dB Bandwidth Measurement

7.1 Test Setup



7.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500 kHz

7.3 Test Procedure

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.4 Test Result

The report refers only to the sample tested and does not apply to the bulk.

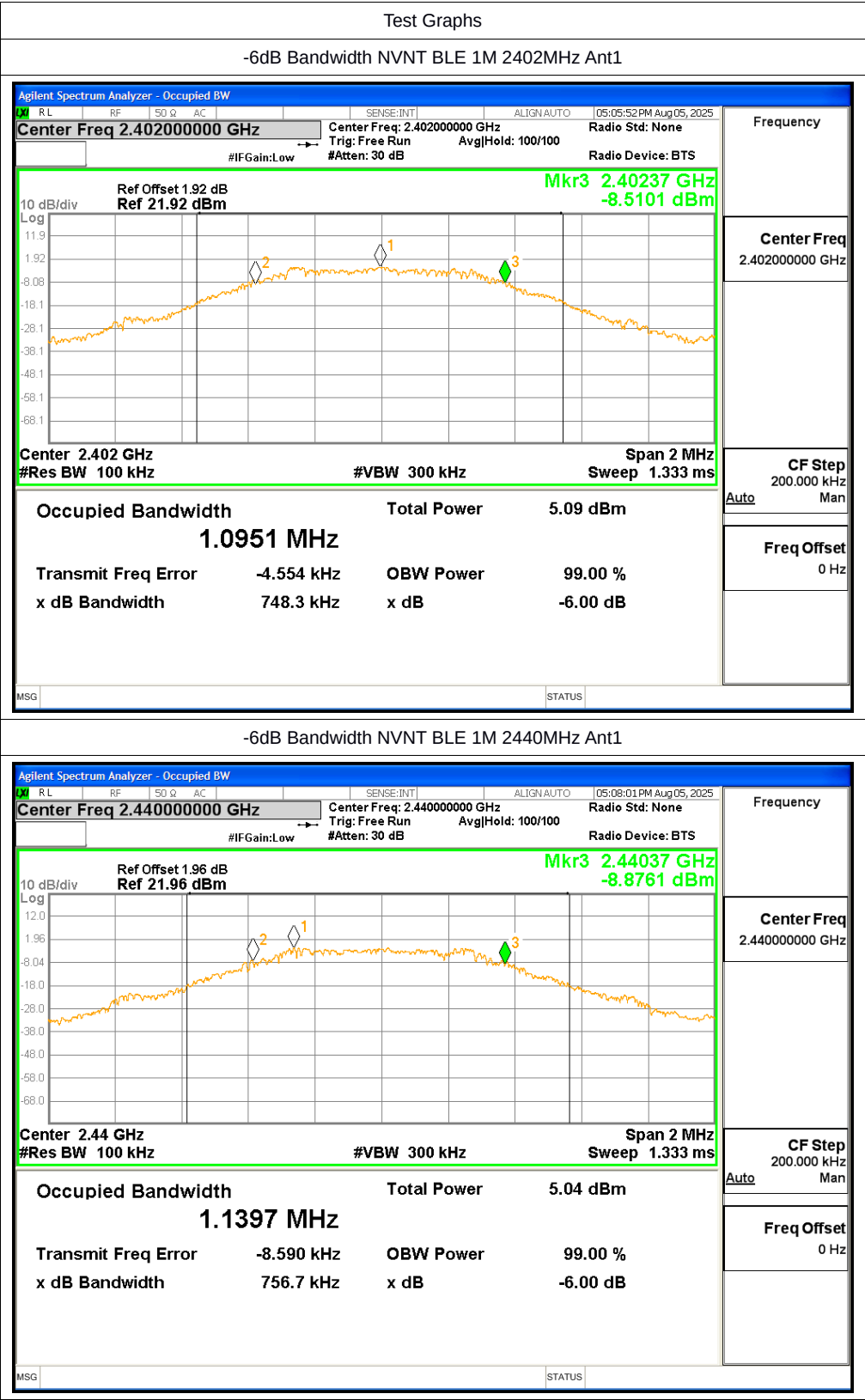
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Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.748	0.5	Pass
		2440		0.757	0.5	Pass
		2480		0.723	0.5	Pass
	BLE 2M	2402		1.106	0.5	Pass
		2440		1.126	0.5	Pass
		2480		1.149	0.5	Pass

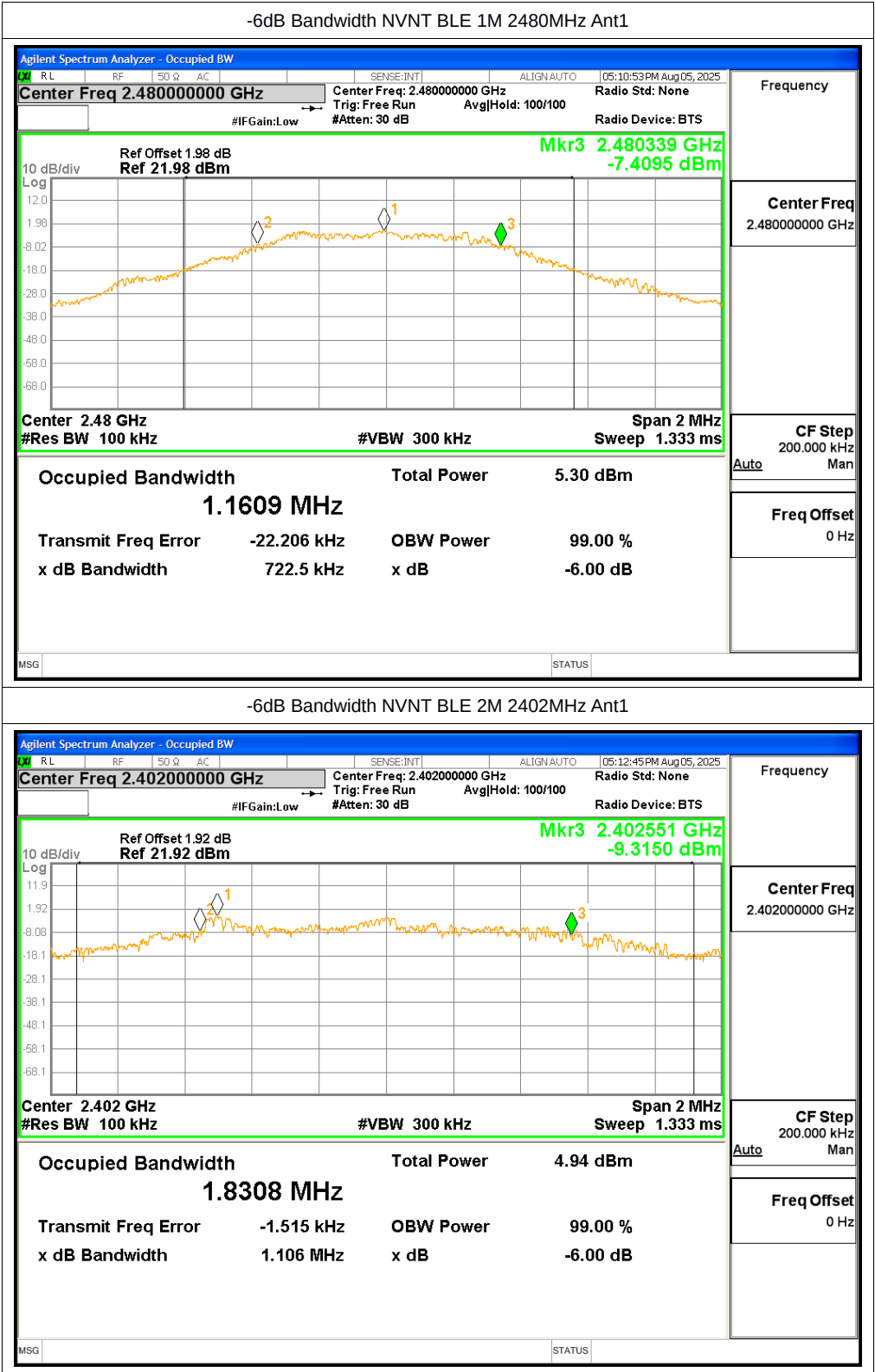
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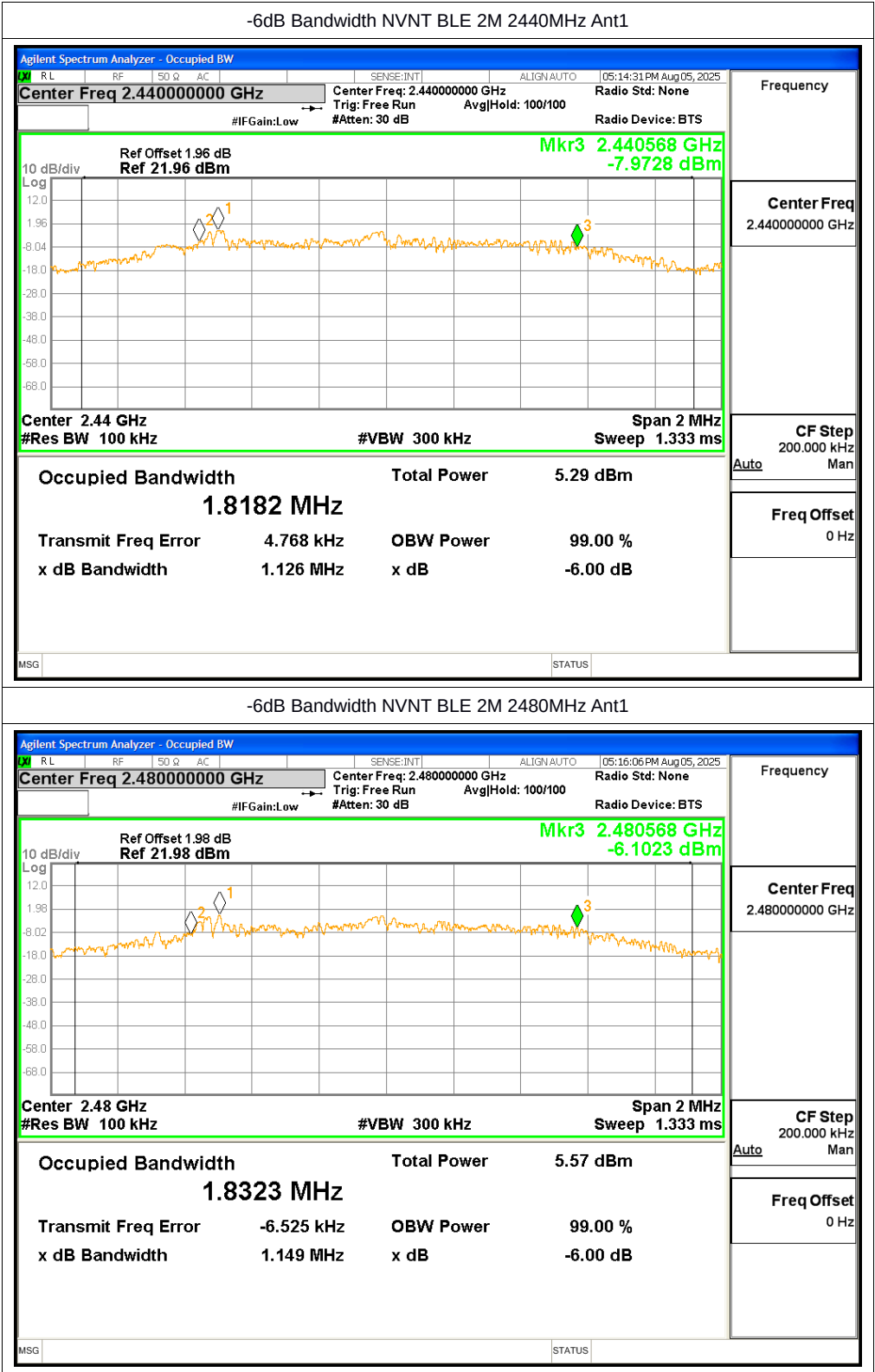
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Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:INT

ALIGN: AUTO

05:16:06 PM Aug 05, 2025

Center Freq 2.480000000 GHz

Center Freq: 2.480000000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

#IFGain: Low

#Atten: 30 dB

Radio Device: BTS

Ref Offset 1.98 dB

Ref 21.98 dBm

Mkr3 2.480568 GHz

-6.1023 dBm

10 dB/div

Log

12.0

1.98

-8.02

-18.0

-28.0

-38.0

-48.0

-58.0

-68.0

Center 2.48 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 2 MHz

Sweep 1.333 ms

Occupied Bandwidth

1.8323 MHz

Total Power

5.57 dBm

Transmit Freq Error

-6.525 kHz

OBW Power

99.00 %

x dB Bandwidth

1.149 MHz

x dB

-6.00 dB

MSG

STATUS

Frequency

Center Freq

2.480000000 GHz

CF Step

200.000 kHz

Auto

Man

Freq Offset

0 Hz

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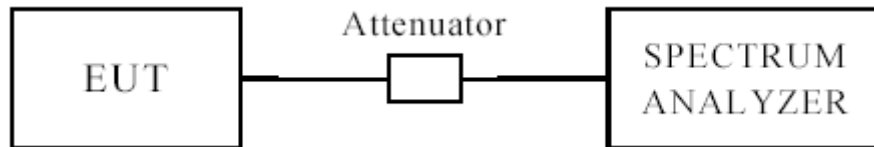
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8. Maximum Output Power

8.1 Test Setup



8.2 Limits of Maximum Output Power

The Maximum Output Power Measurement is 30dBm.

8.3 Test Procedure

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: the Peak power were measured.

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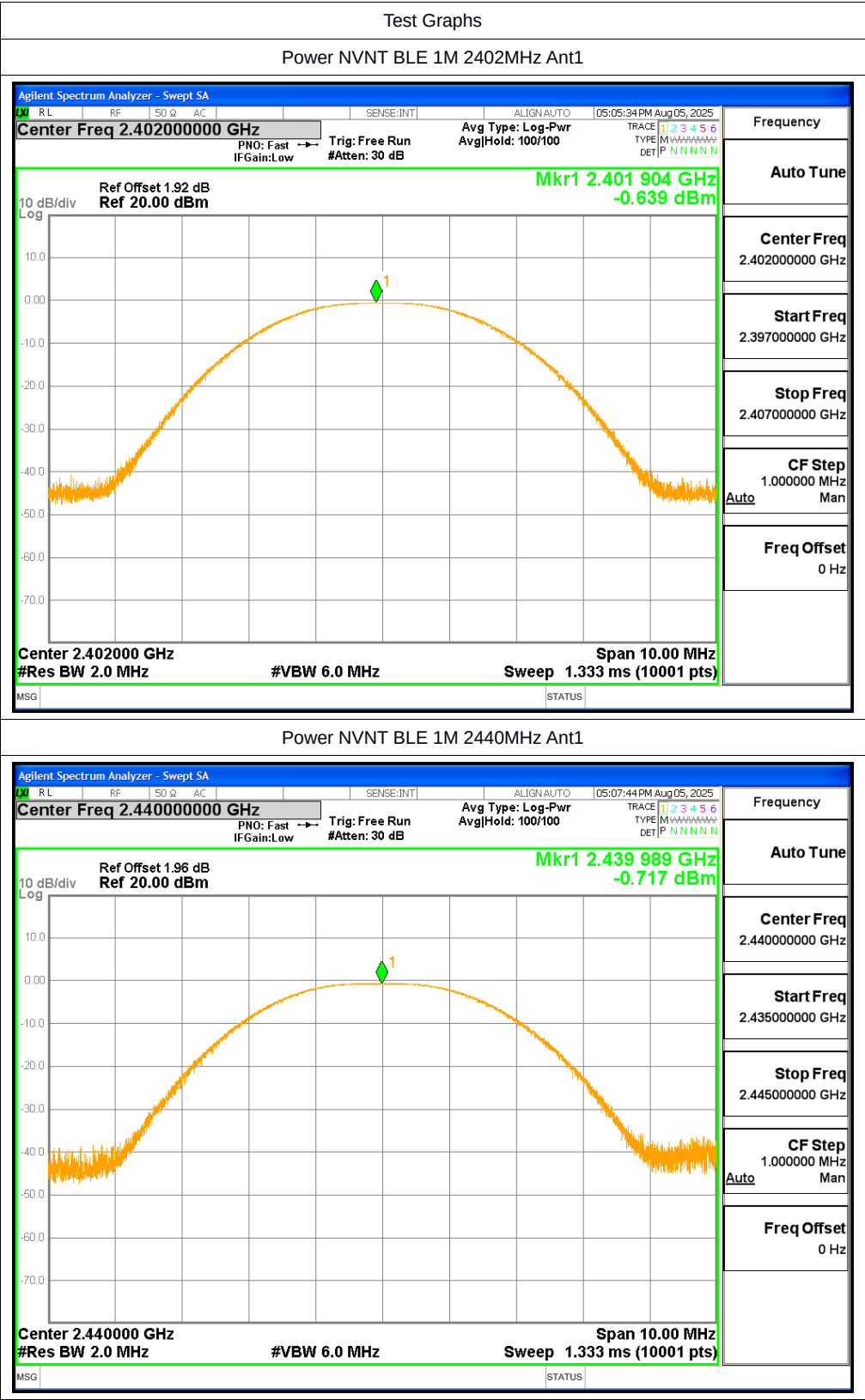


8.4Test Results

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-0.64	0	-0.64	30	Pass
		2440		-0.72	0	-0.72	30	Pass
		2480		-0.44	0	-0.44	30	Pass
	BLE 2M	2402		-0.82	0	-0.82	30	Pass
		2440		-0.75	0	-0.75	30	Pass
		2480		-0.05	0	-0.05	30	Pass

Note: 1. the result basic equation calculation as follow:
Max. Power Output = Power Reading + Cable loss + Attenuator

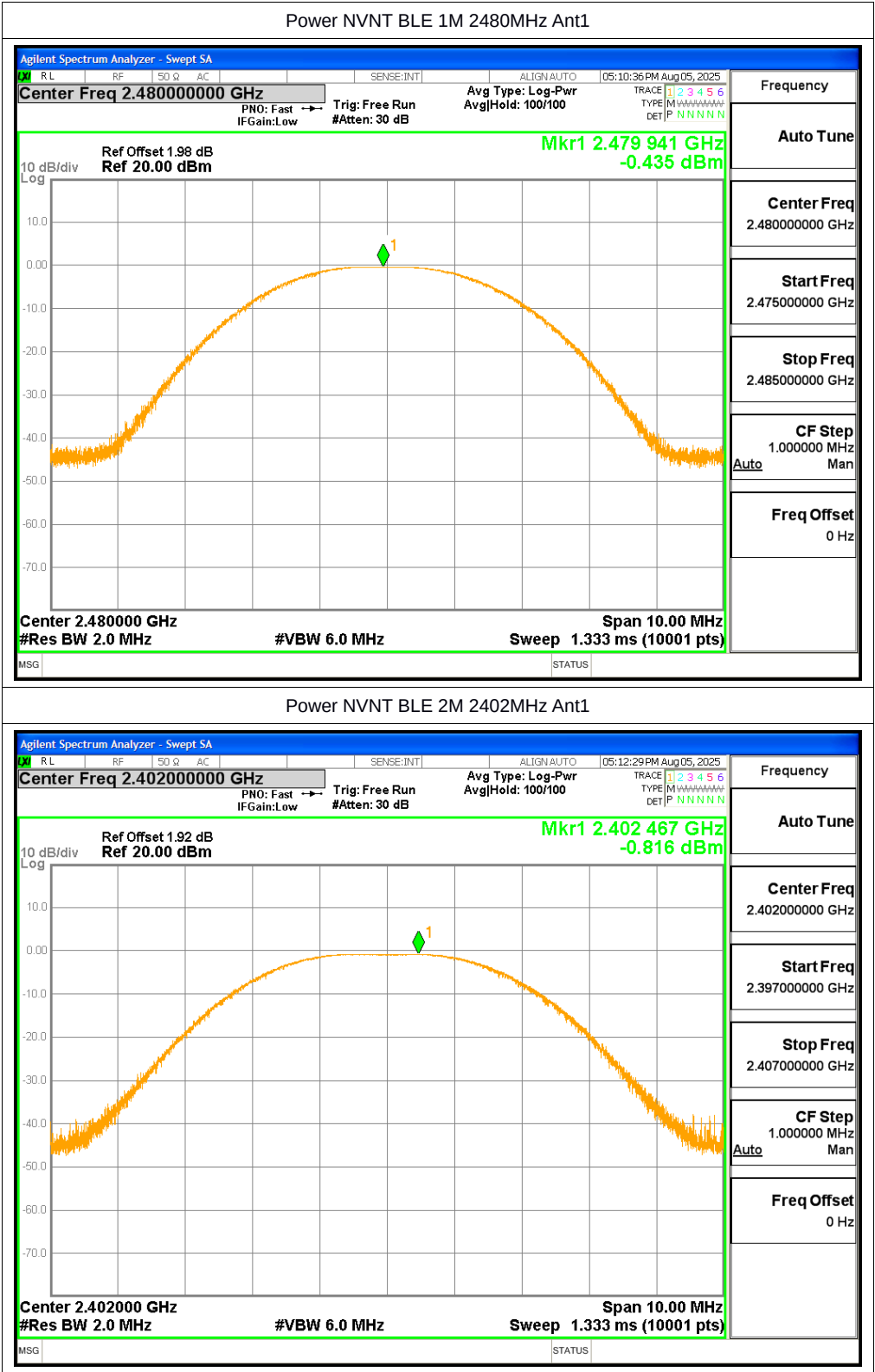
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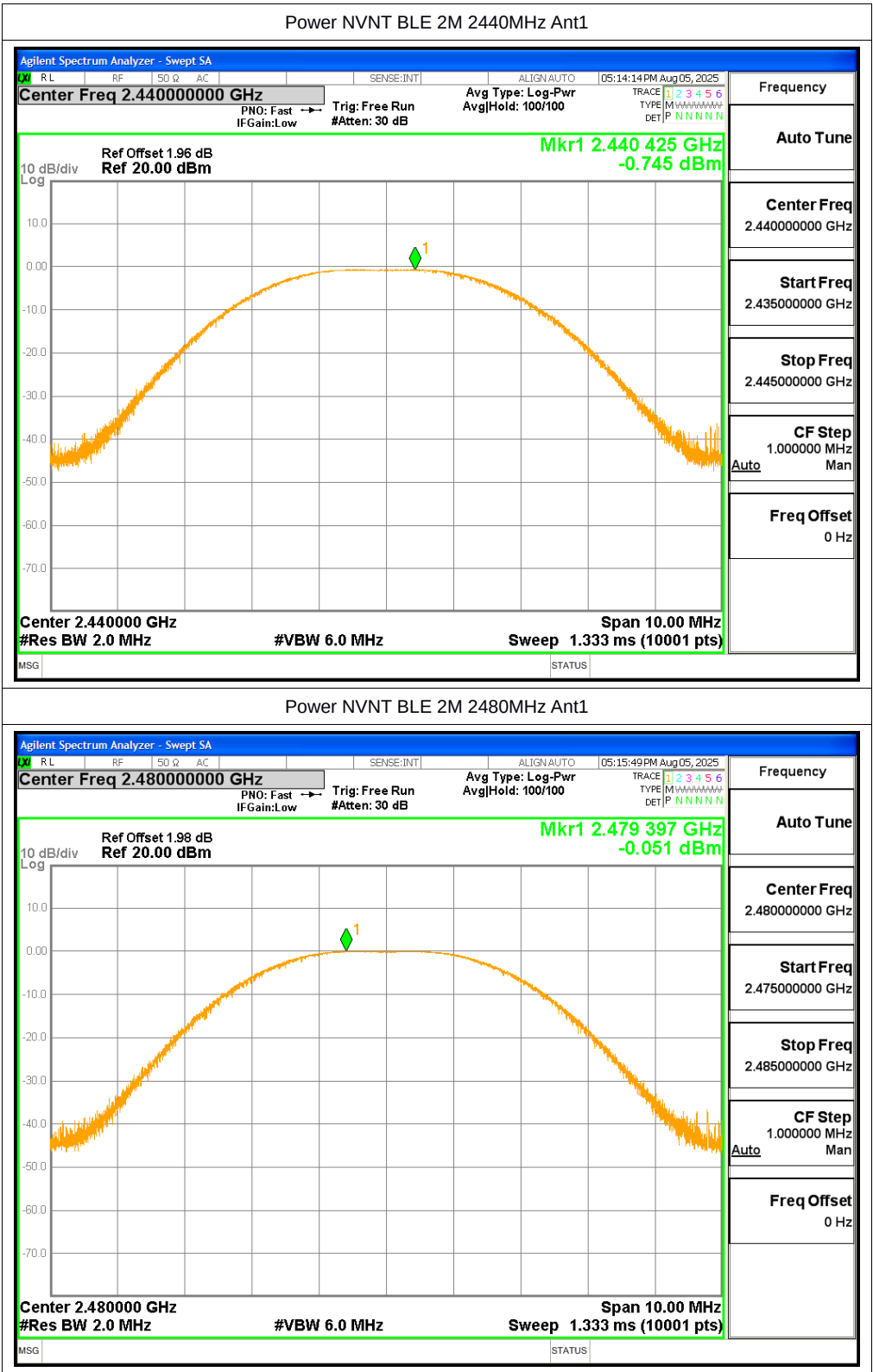
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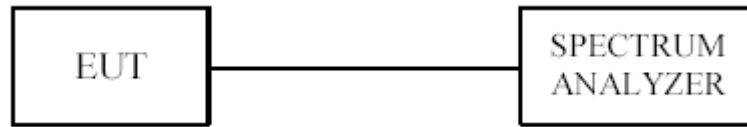
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9. Power Spectral Density Measurement

9.1 Test Setup



9.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm/3kHz.

9.3 Test Procedure

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set the RBW = 100 kHz.
3. Set the VBW $\geq$ 300 kHz.
4. Set the span to 1.5 times the DTS channel bandwidth.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
11. The resulting peak PSD level must be $\leq$ 8 dBm/3kHz.

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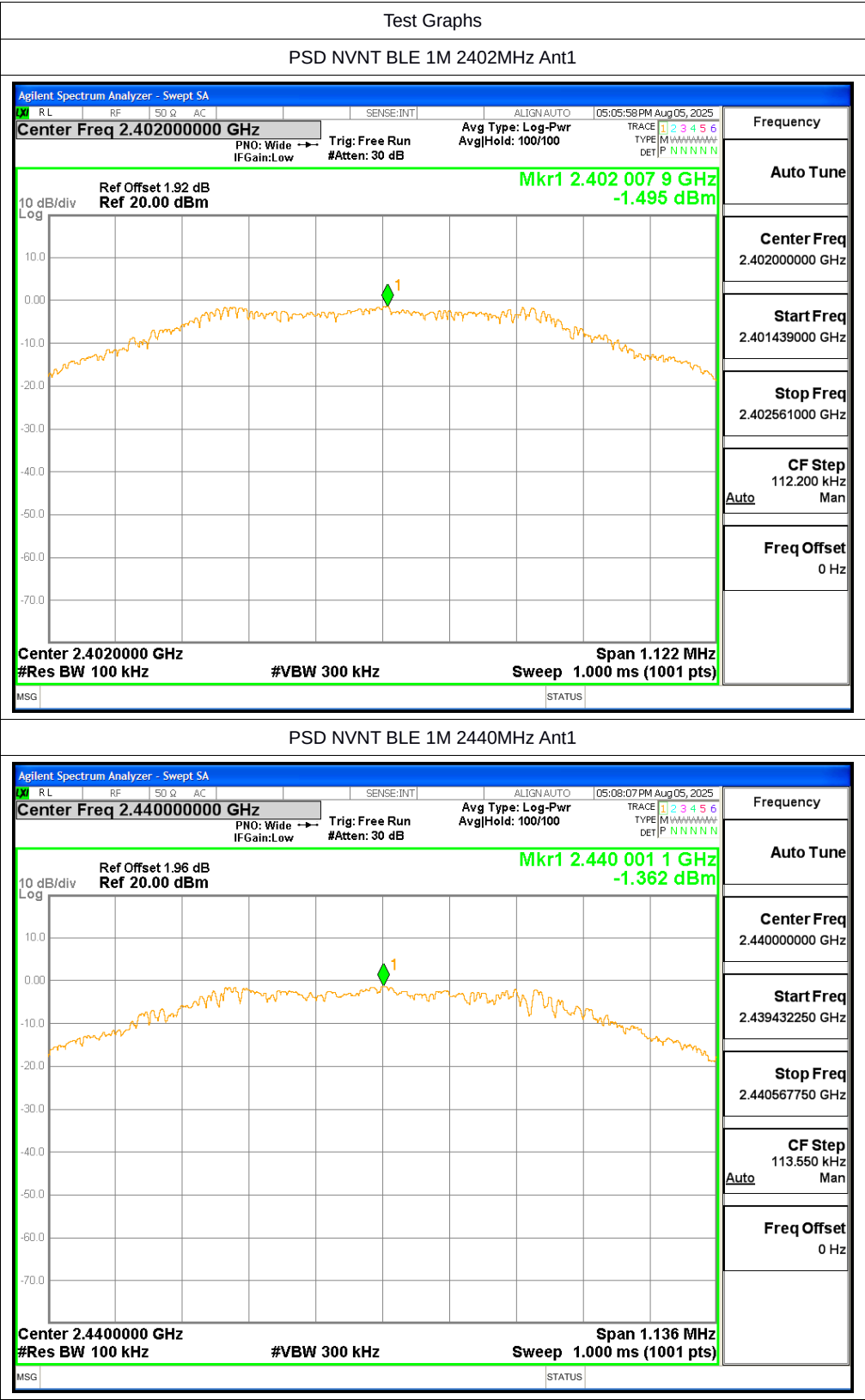


9.4Test Result

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/100kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-1.5	0	-1.5	8	Pass
		2440		-1.36	0	-1.36	8	Pass
		2480		-1.02	0	-1.02	8	Pass
	BLE 2M	2402		-1.74	0	-1.74	8	Pass
		2440		-1.04	0	-1.04	8	Pass
		2480		-0.49	0	-0.49	8	Pass

Note: The result basic equation calculation as follow:
Peak Power Output = Peak Power Reading + Cable loss

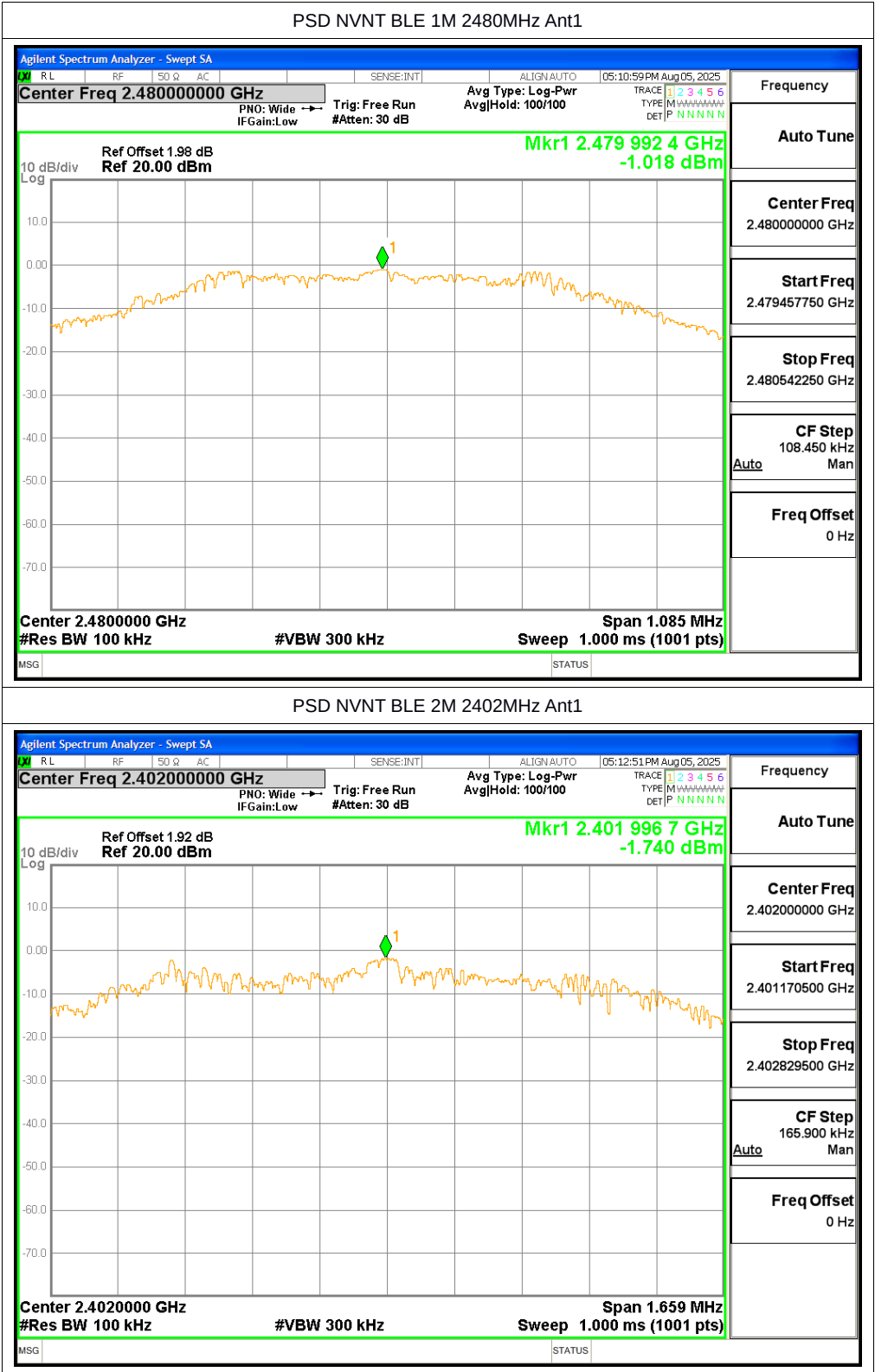
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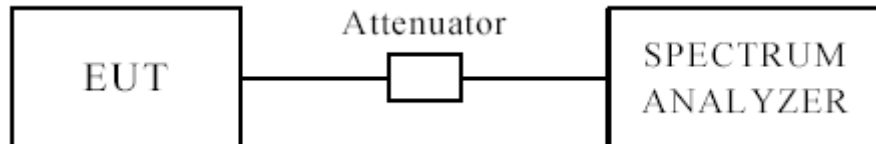
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10 Out of Band Measurement

10.1 Test Setup for band edge



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

10.2 Limits of Out of Band Emissions Measurement

1. Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

10.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of Radiated emission test. (Peak values with RBW=1MHz, VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector)

For bandage test, the spectrum set as follows: RBW=100 kHz, VBW=300 kHz. A conducted measurement used

10.4 Test Result

Please see next pages

Note: 1. For band-edge measurement, the frequency from 30MHz-25GHz was tested. And It met the FCC rule.
2.For restrict band test, 1M and 2M were tested and only the worst case was recorded in the test report. 2M was the worst case.

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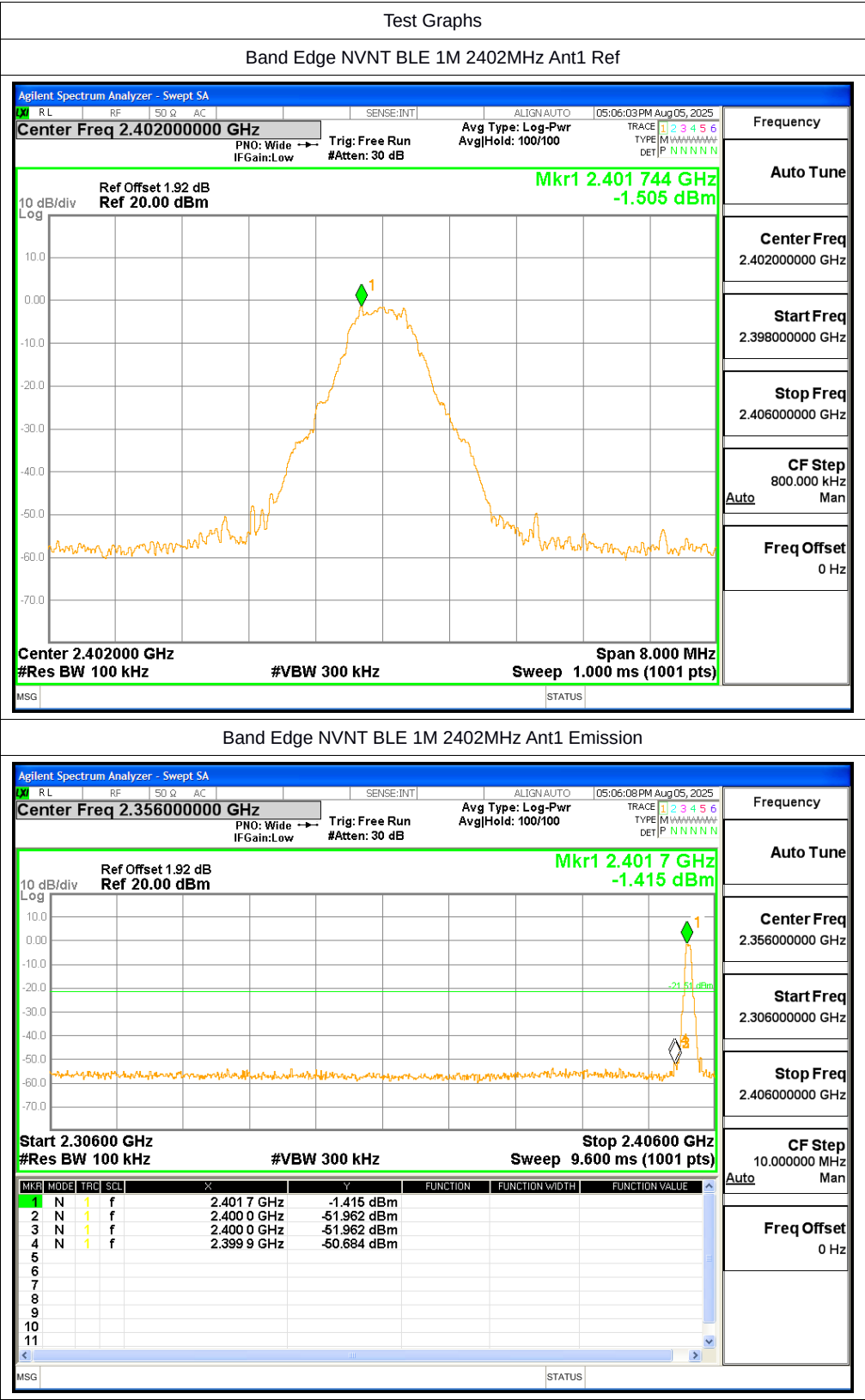
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Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-49.18	-20	Pass
		2480		-51.88	-20	Pass
	BLE 2M	2402		-35.87	-20	Pass
		2480		-49.87	-20	Pass

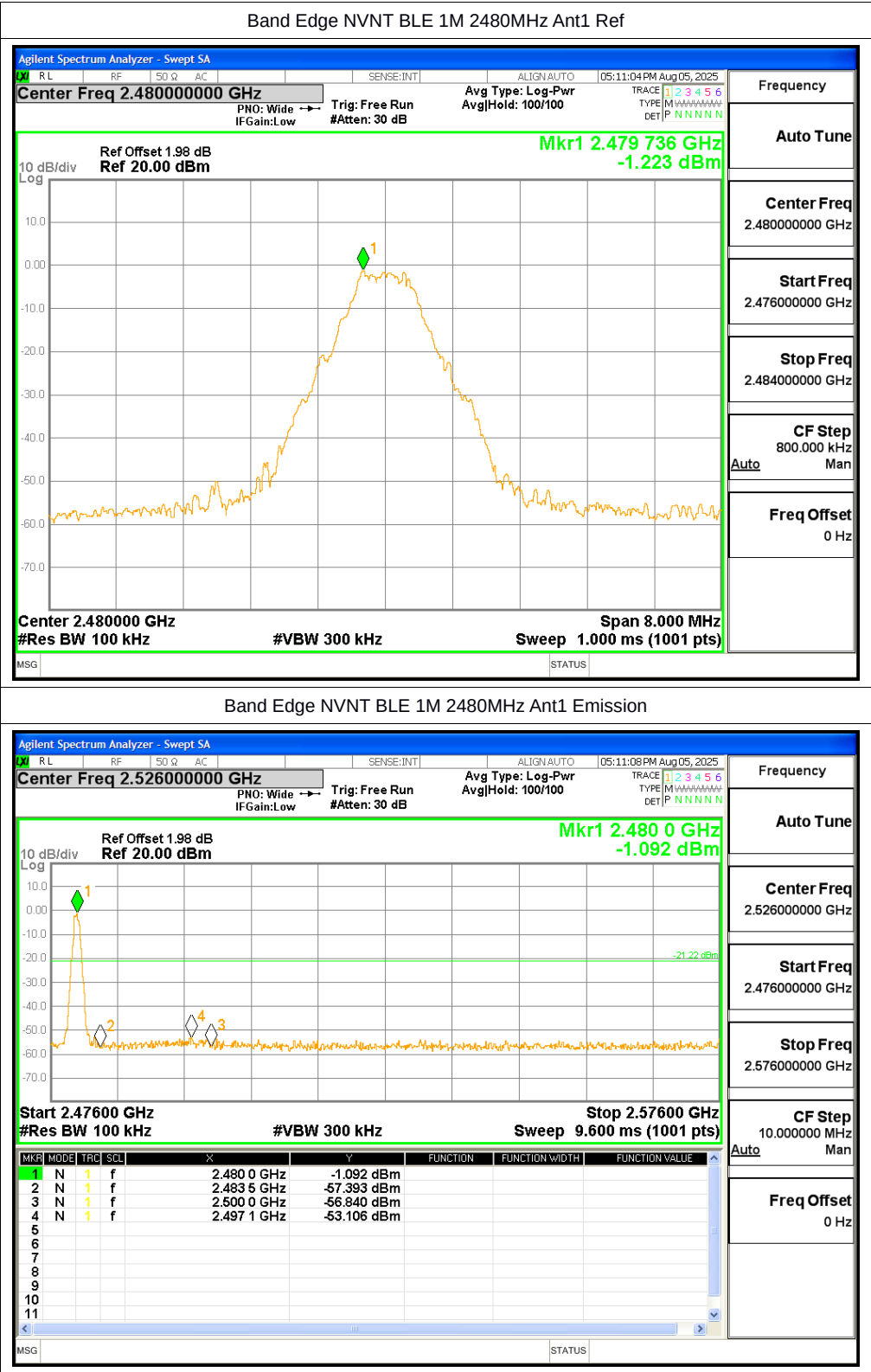
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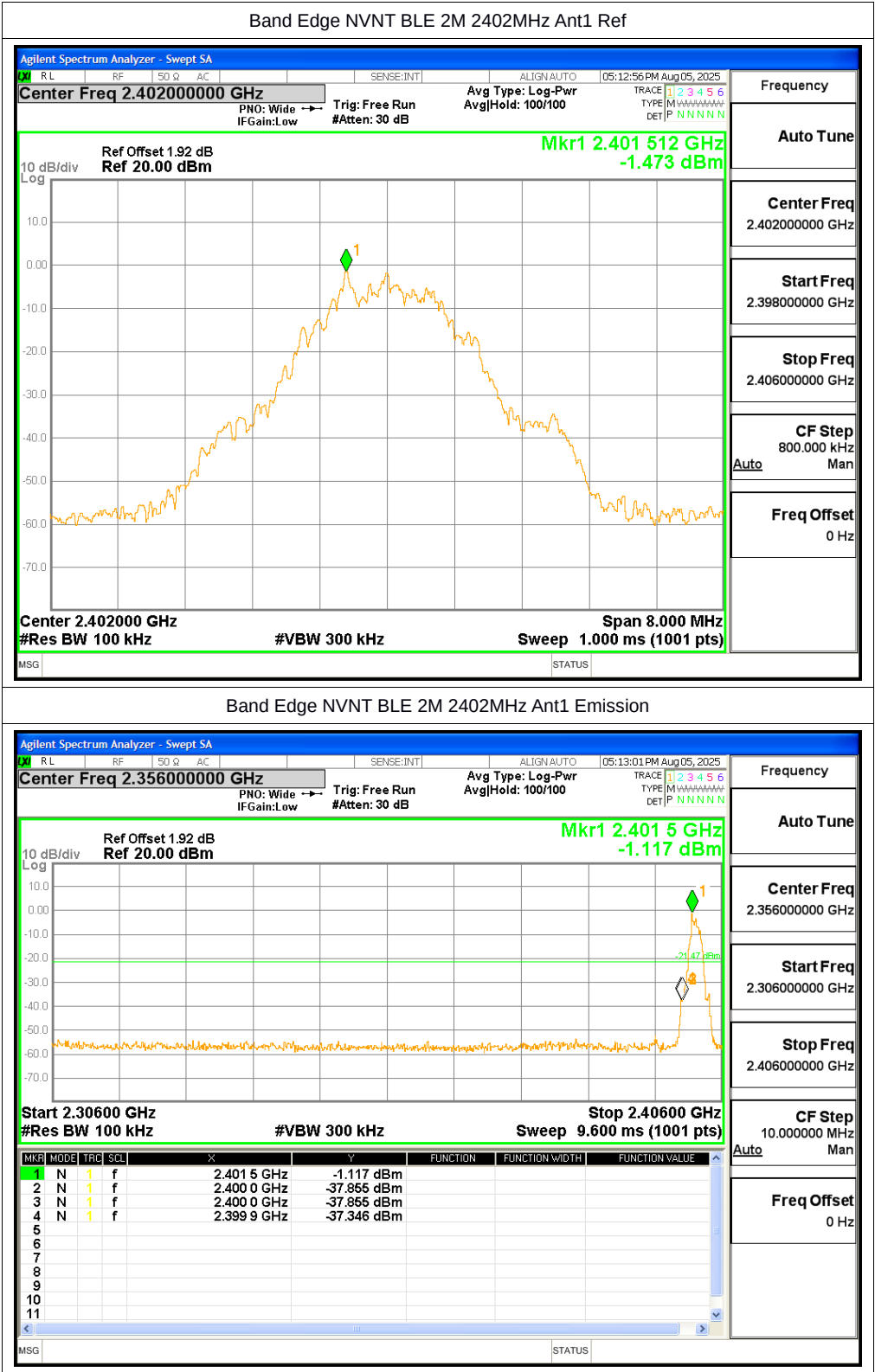
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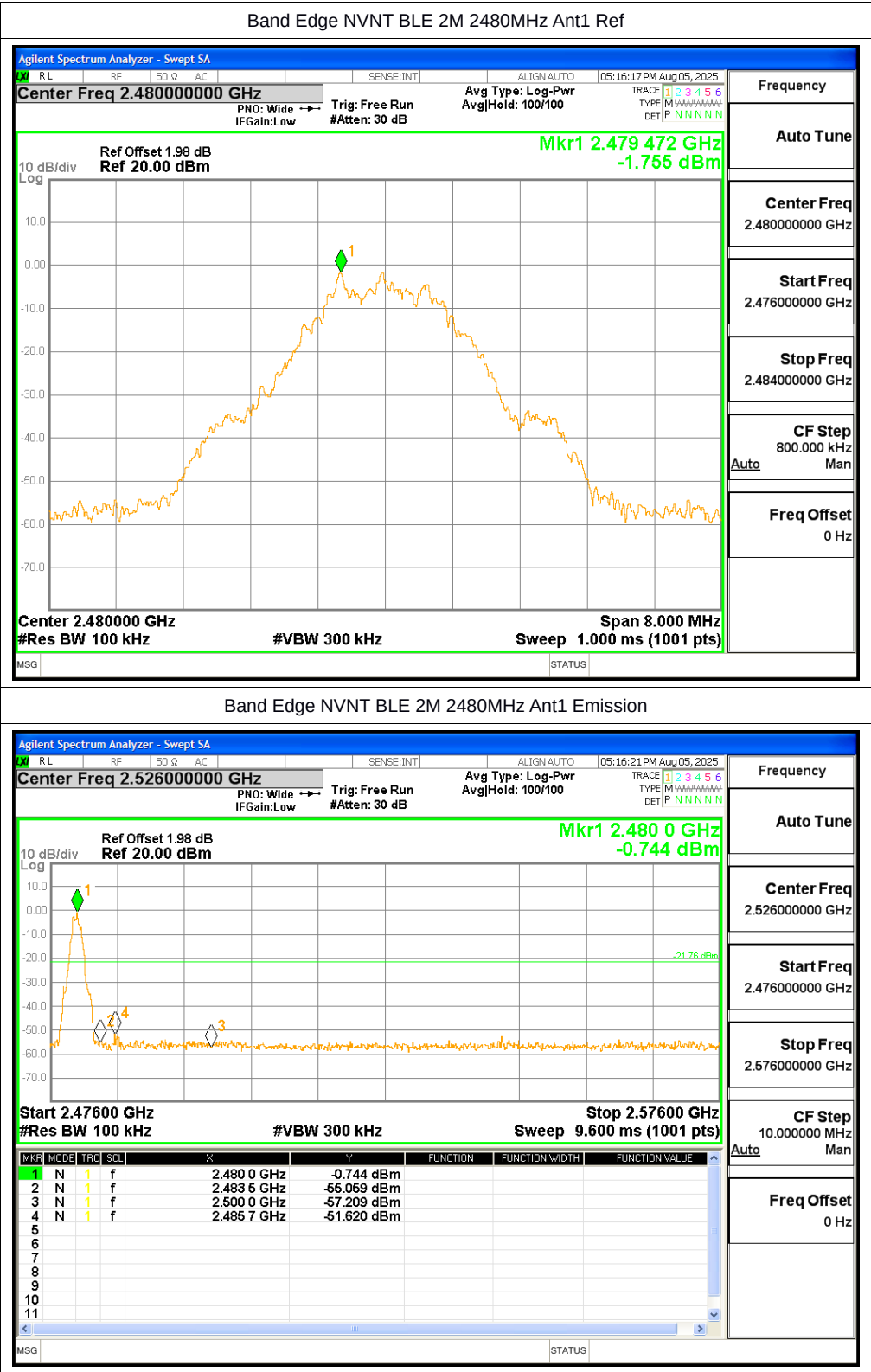
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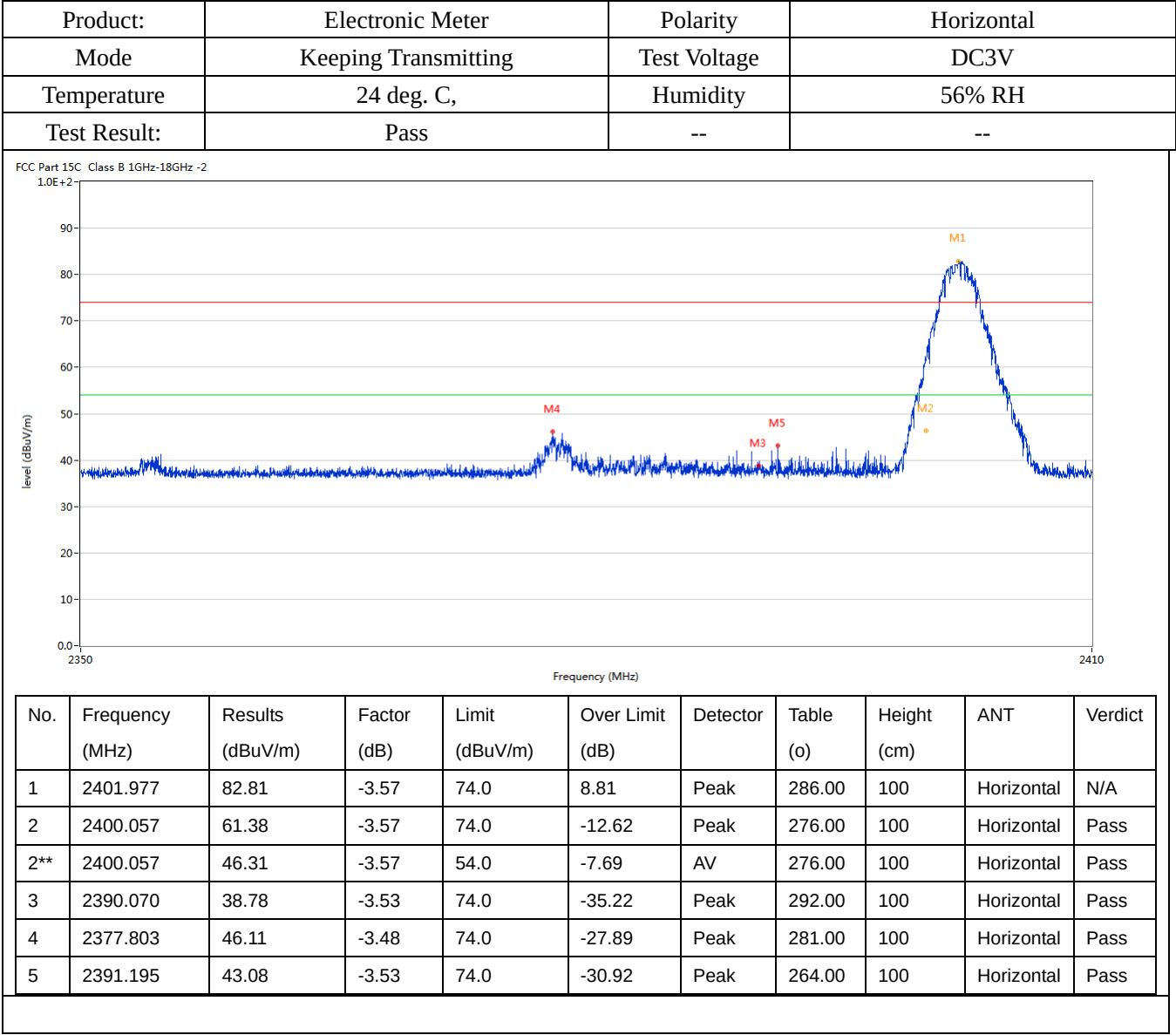
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Restrict Band Test Result



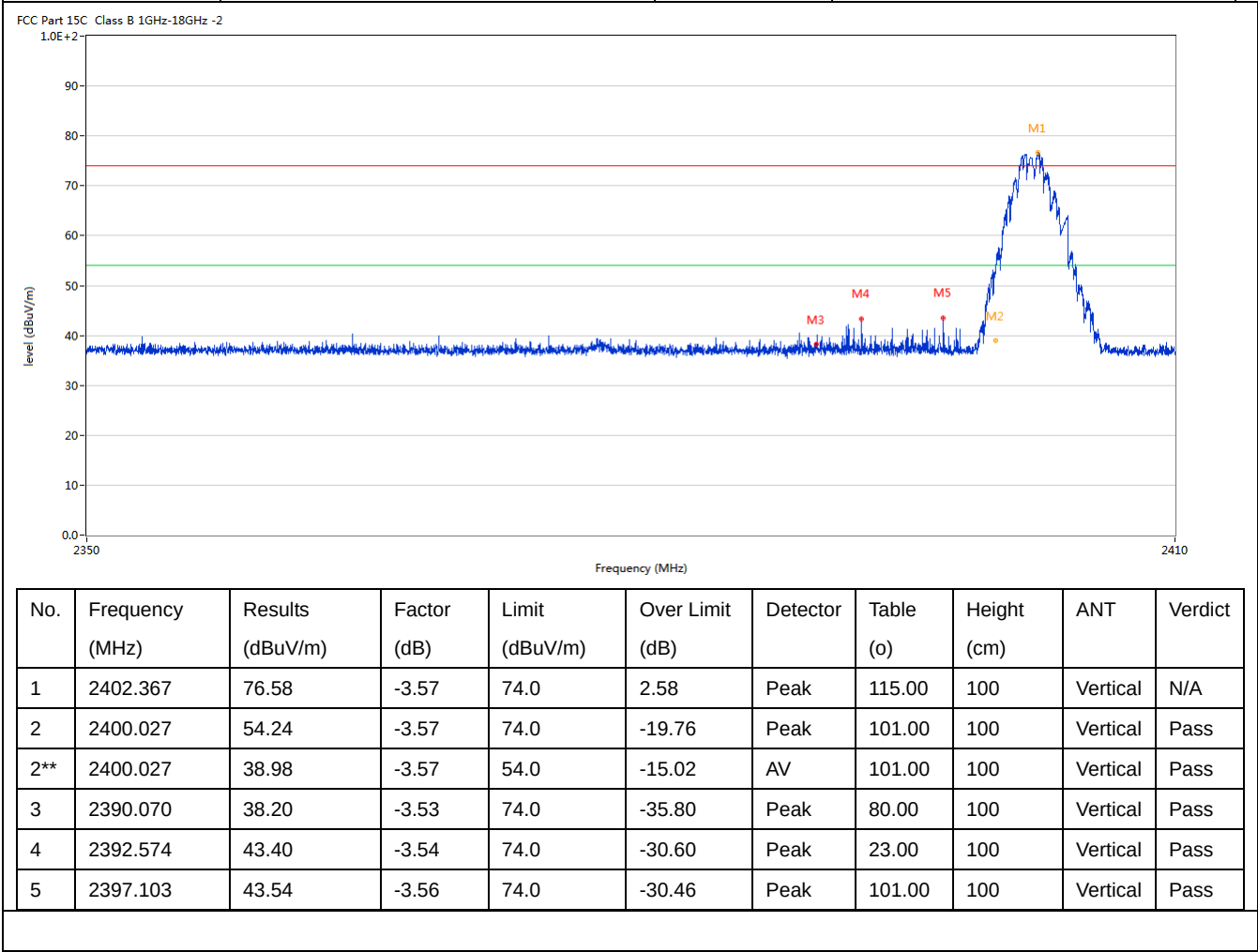
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Product:	Electronic Meter	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



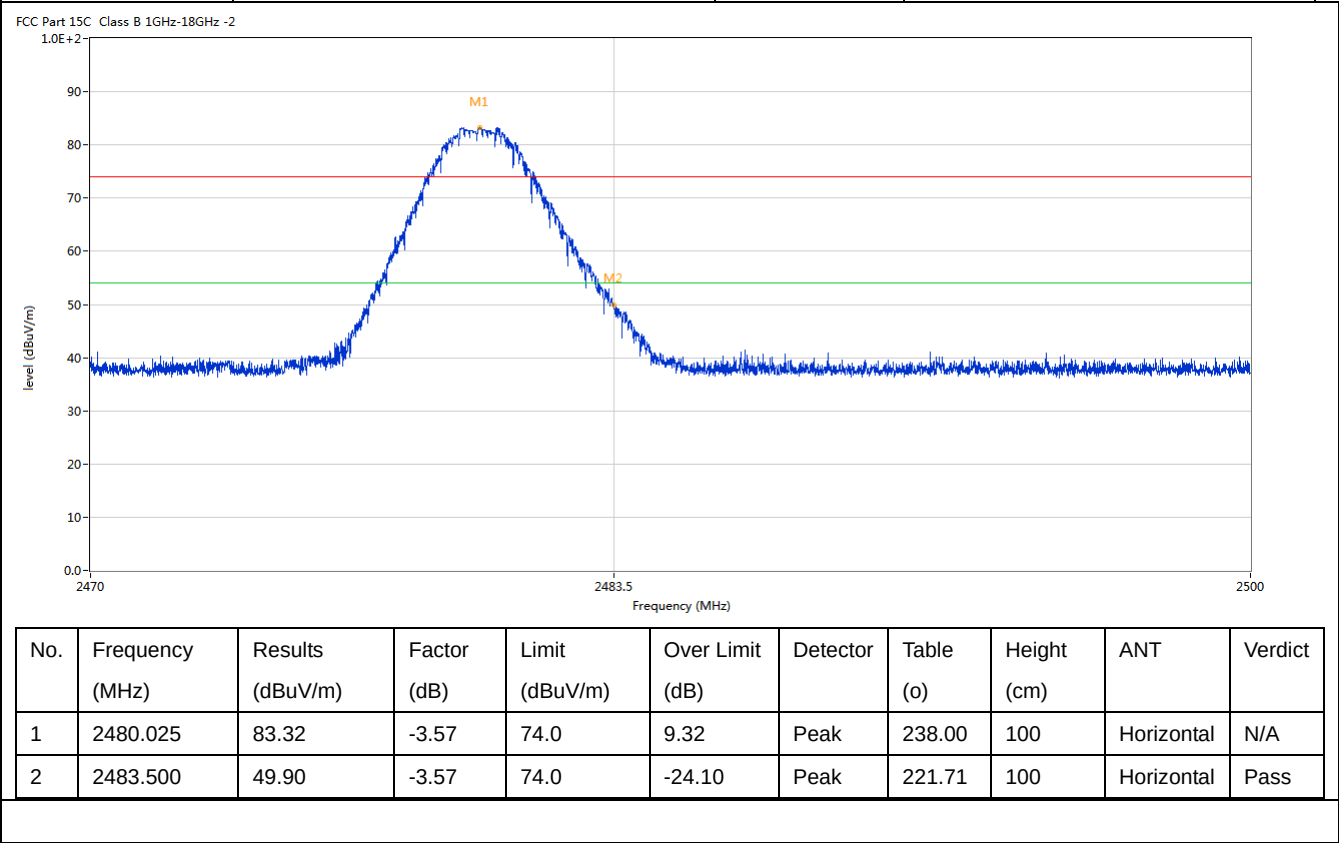
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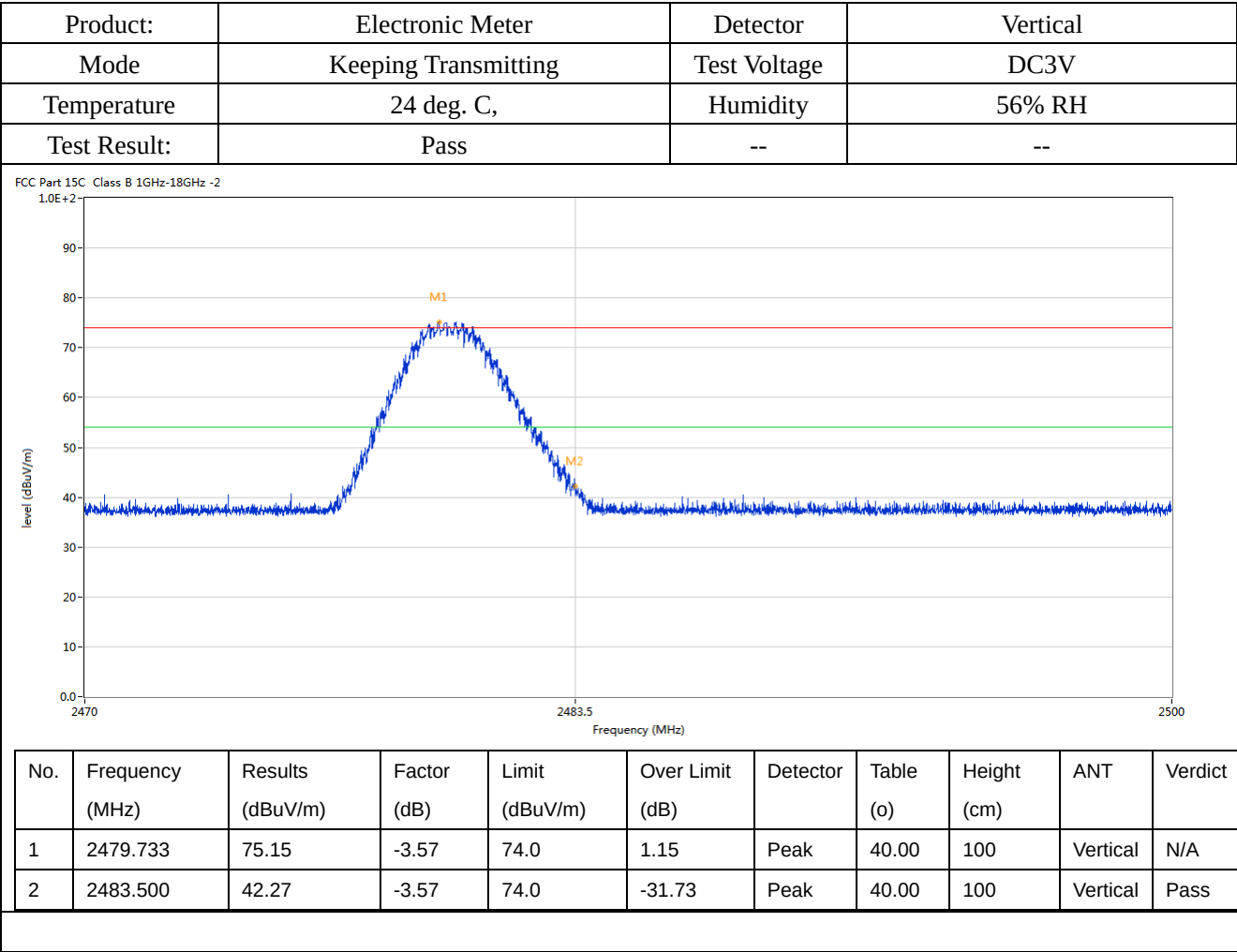
Product:	Electronic Meter	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



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Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

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11.0 Antenna Requirement

11.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

11.2 Antenna Connected construction

PCB antenna used. The gain of the antennas is 1.39dBi (Get from the antenna specification provided the manufacturer)

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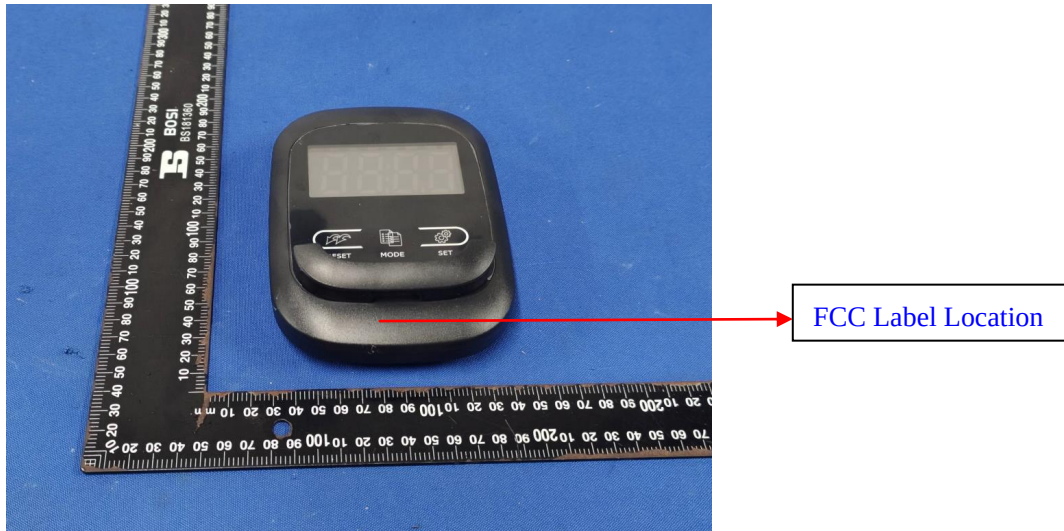


12.0 FCC ID Label

FCC ID: 2BRZV-JC0903

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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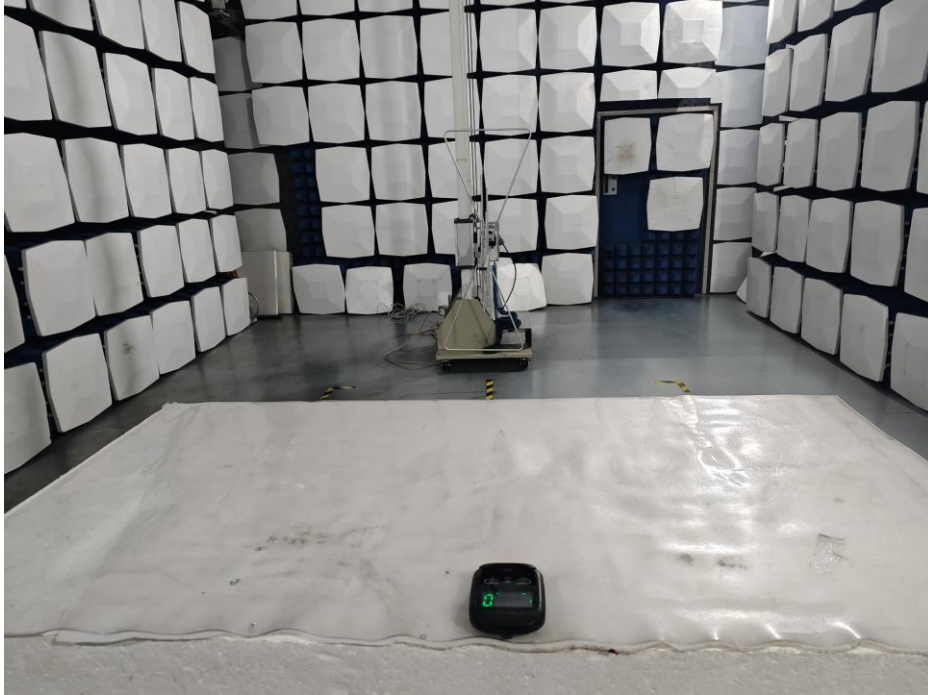


13.0 Photo of testing

Conducted Emission Test Setup:

N/A

Radiated Emission Test Setup:



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Radiated Emission Test Setup:



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Photographs – EUT

Outside View



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Outside View



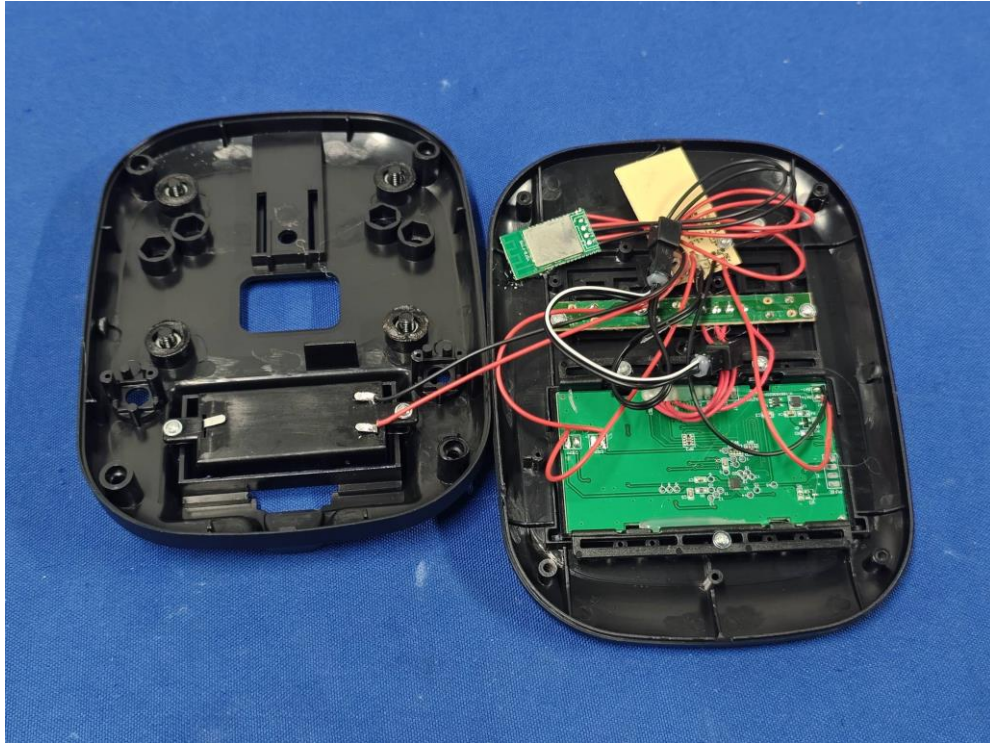
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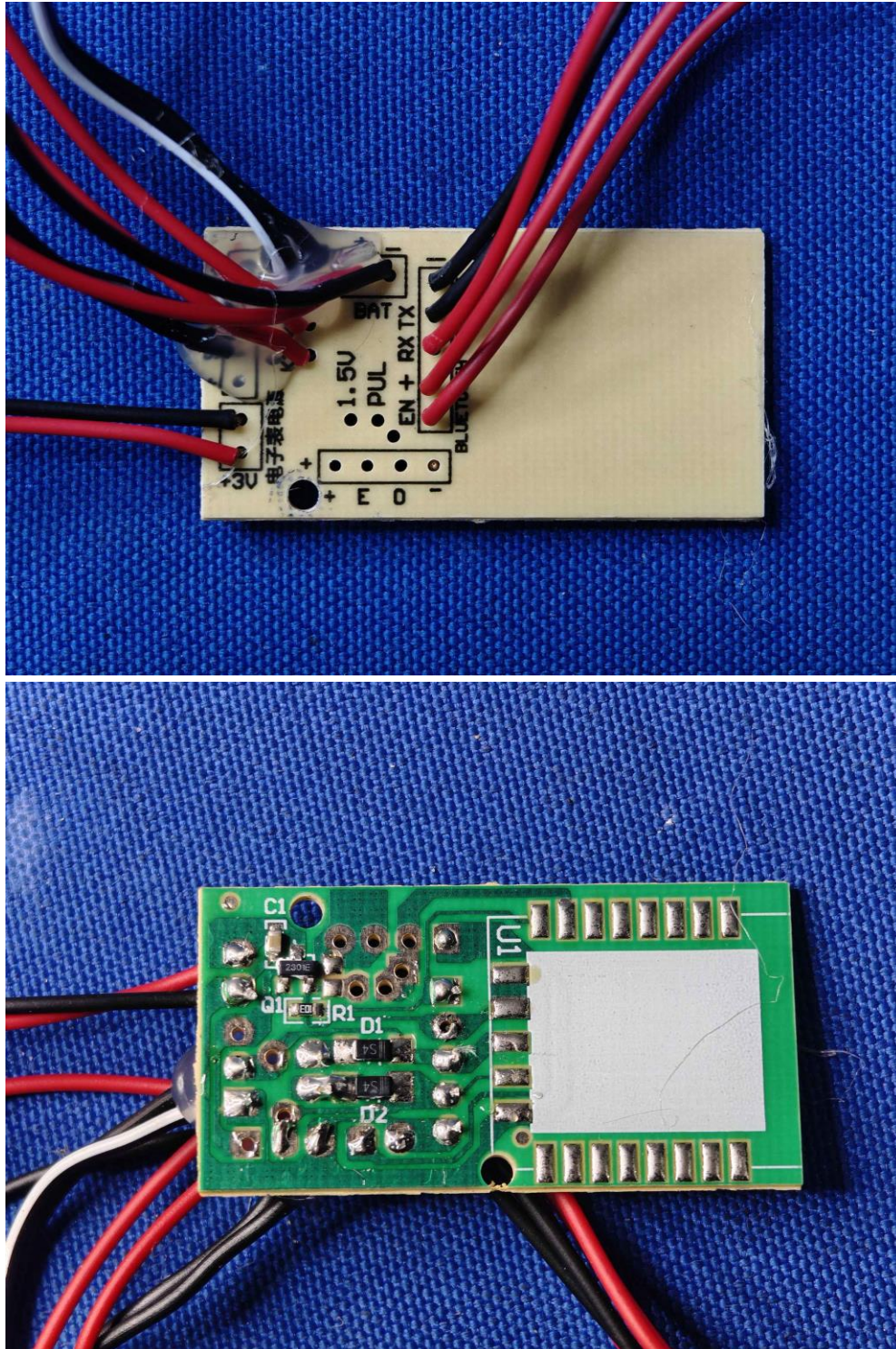
Inside View



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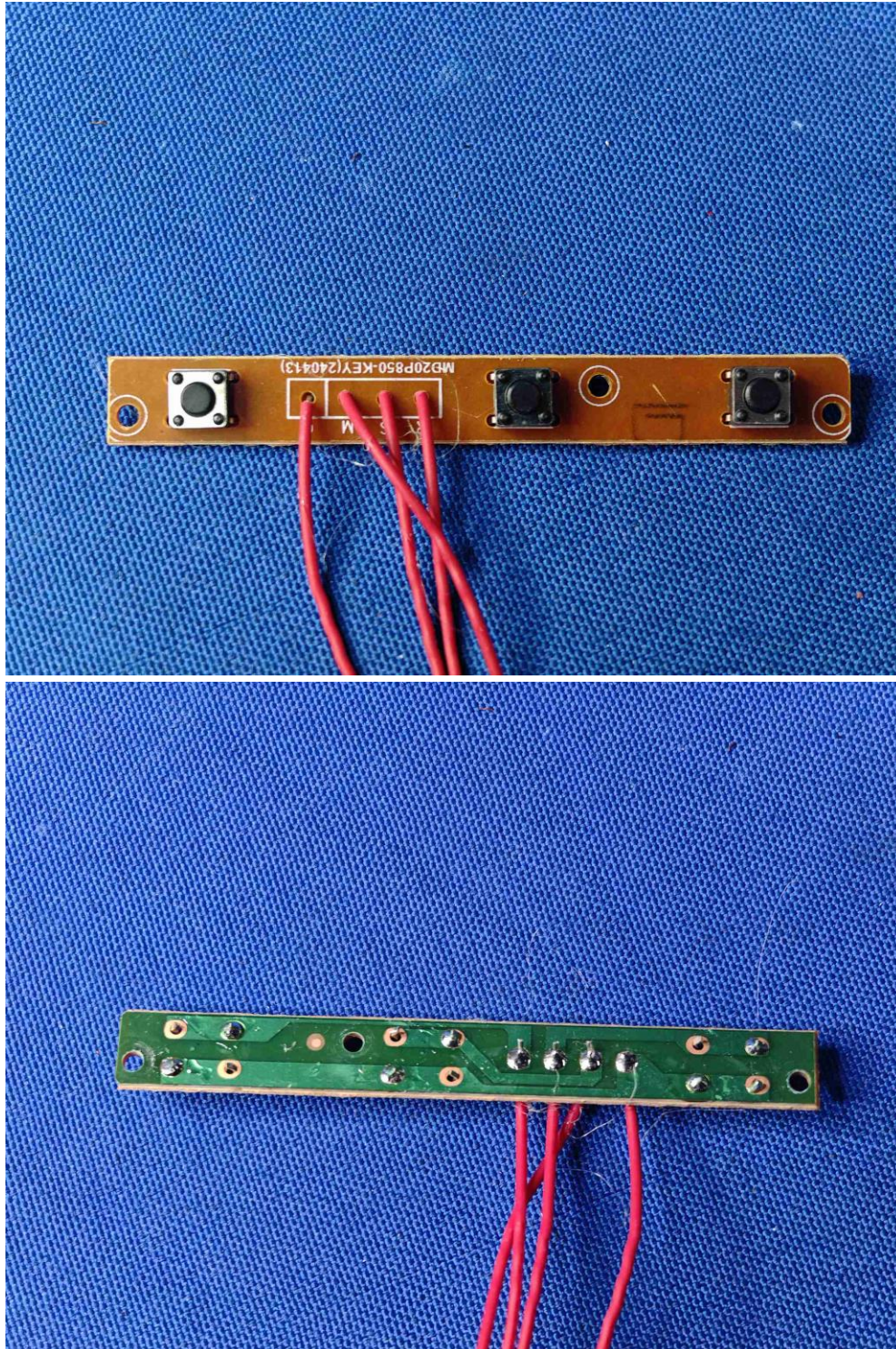
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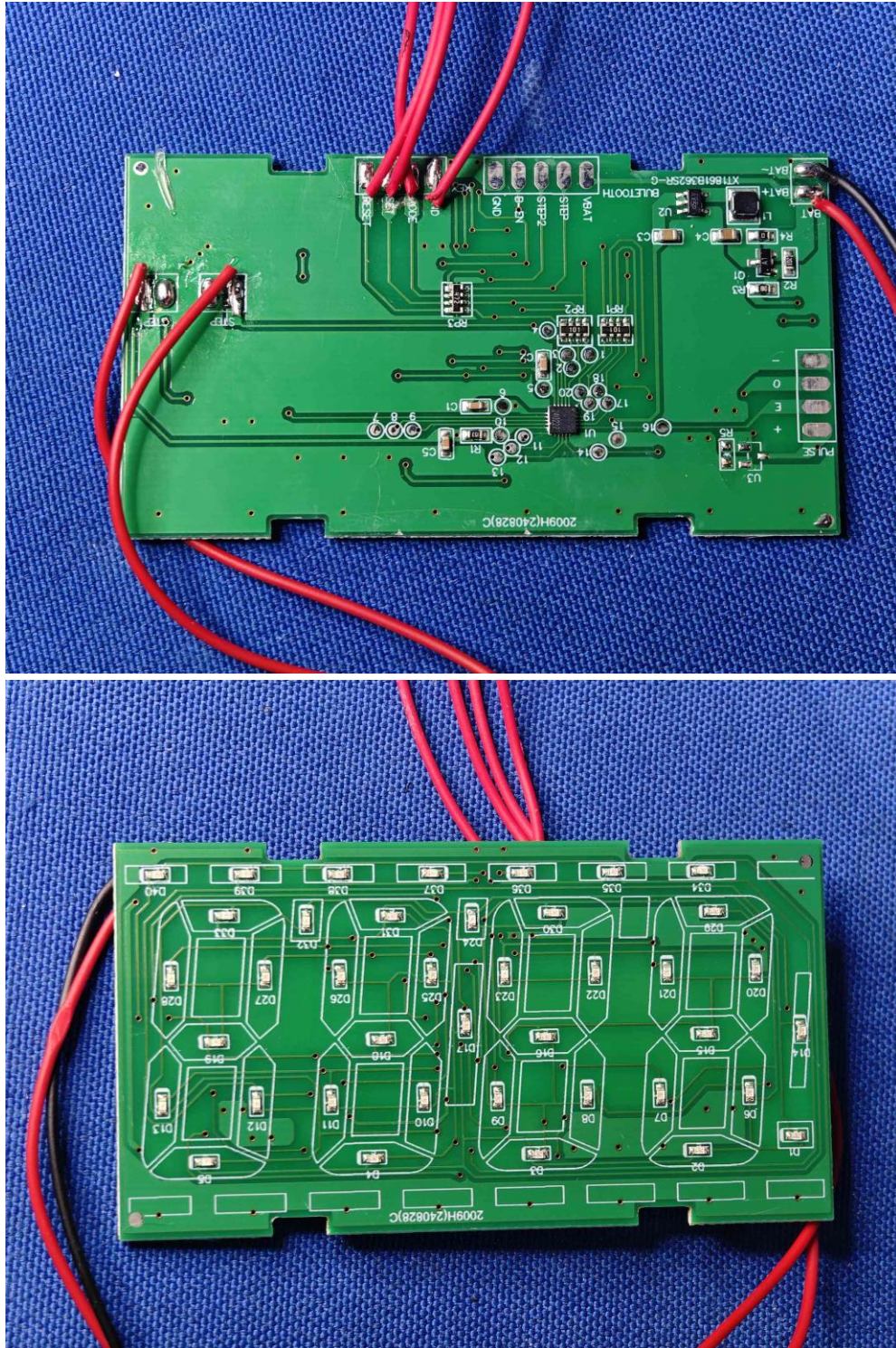


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Inside View

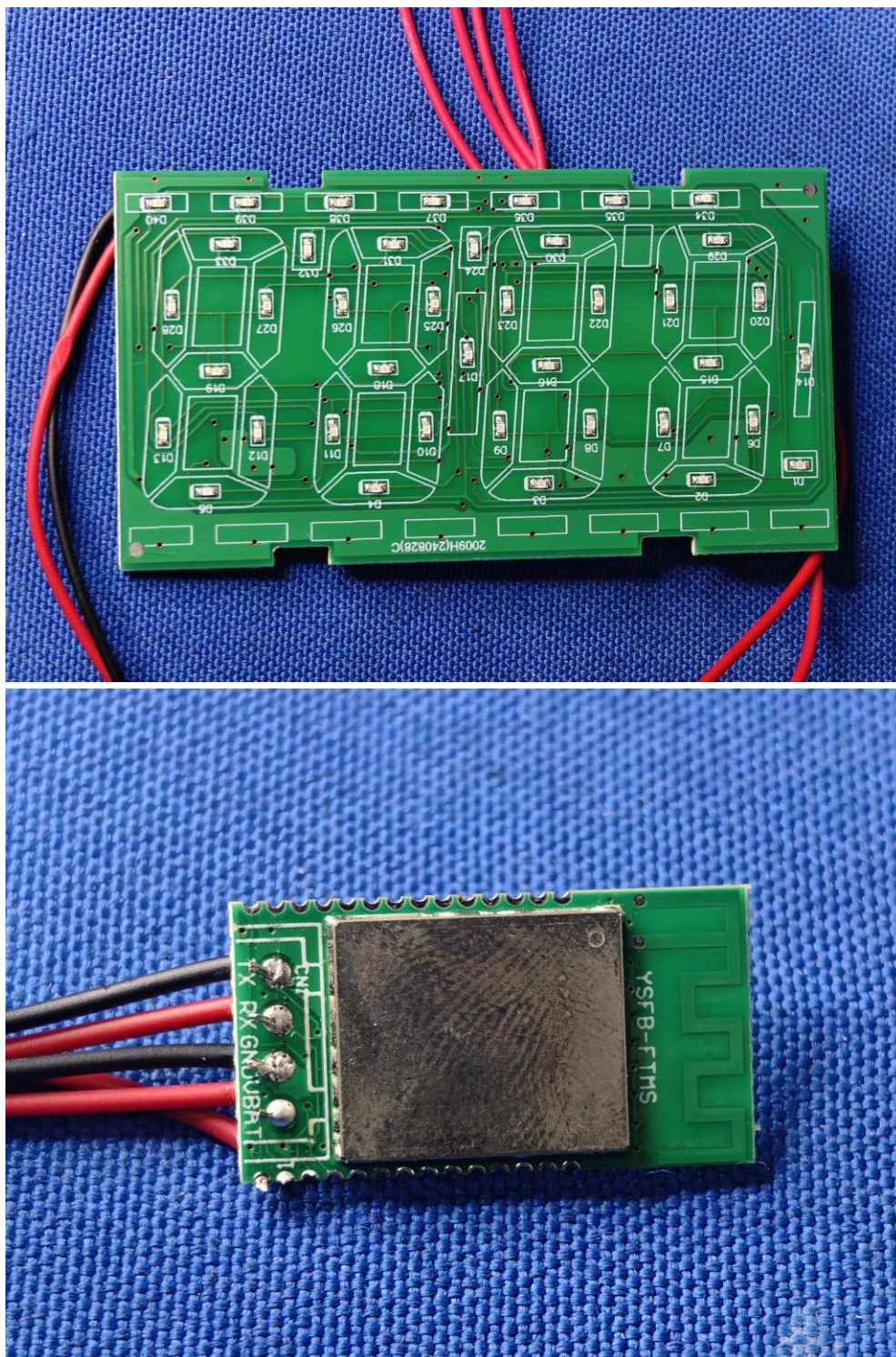


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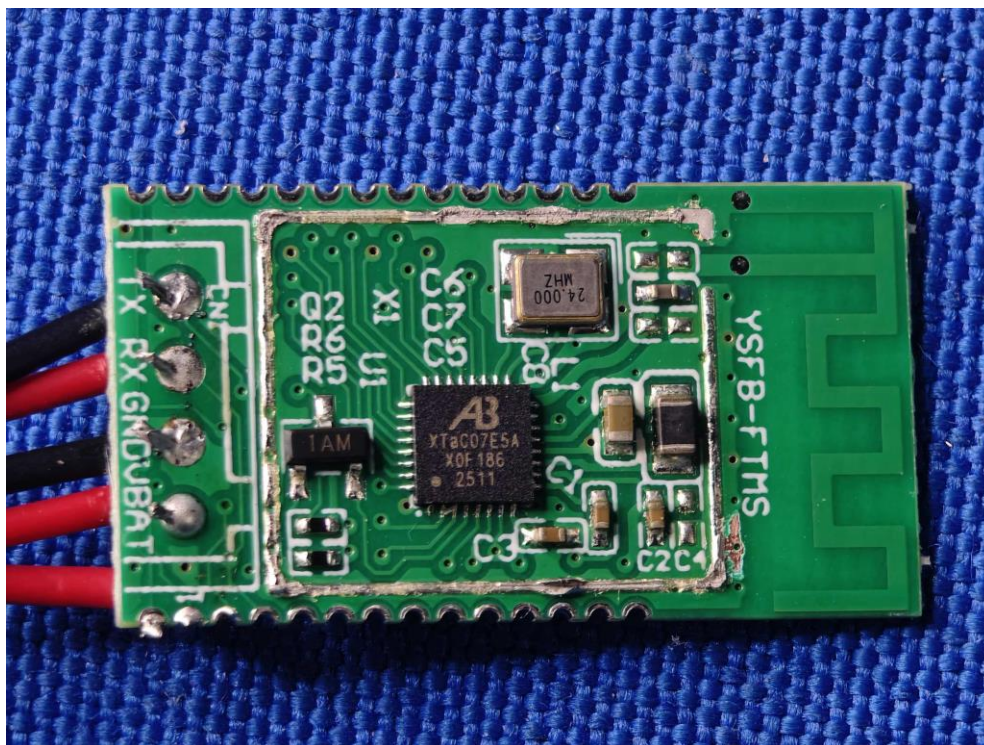
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Inside View



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