

TEST REPORT

Report No.: BCTC2511825690E

Applicant: GODOX Photo Equipment Co.,Ltd.

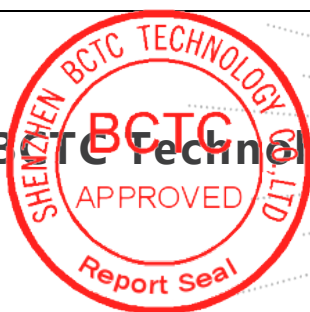
Product Name: Macro Twin Flash

Test Model: MF-T76 C

Tested Date: 2025-11-27 to 2026-03-04

Issued Date: 2026-03-04

Shenzhen BCTC Technology Co., Ltd.



Product Name: Macro Twin Flash

Trademark: 

Model/Type reference: MF-T76 C
MF-T76 S, MF-T76 N

Prepared For: GODOX Photo Equipment Co.,Ltd.

Address: 4th Floor of Building 1, 1st to 4th Floor of Building 2, 4th Floor of Building 3, 1st to 4th Floor of Building 4, Yaochuan Industrial Zone, Tangwei Community, Fuhai Street, Bao'an District, Shenzhen 518103,China

Manufacturer: GODOX Photo Equipment Co.,Ltd.

Address: 4th Floor of Building 1, 1st to 4th Floor of Building 2, 4th Floor of Building 3, 1st to 4th Floor of Building 4, Yaochuan Industrial Zone, Tangwei Community, Fuhai Street, Bao'an District, Shenzhen 518103,China

Prepared By: Shenzhen BCTC Technology Co., Ltd.

Address: 101M., Unit 1, Building1, Pengyuan, No.18, Lilang Road, Shanglilang Community, Nanwan Street, Longgang District, Shenzhen, Guangdong, P. R.China

Sample Received Date: 2025-11-27

Sample tested Date: 2025-11-27 to 2026-03-04

Issue Date: 2026-03-04

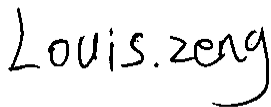
Report No.: BCTC2511825690E

Test Standards: Article 2 paragraph 1 of item 19
MIC Notice No.88 Appendix No.43

Test Results: PASS

Remark: This is JAPAN RADIO test report.

Tested by:



Louis Zeng/ Project Handler

Approved by:



Sewen Guo/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Technology Co., Ltd., this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

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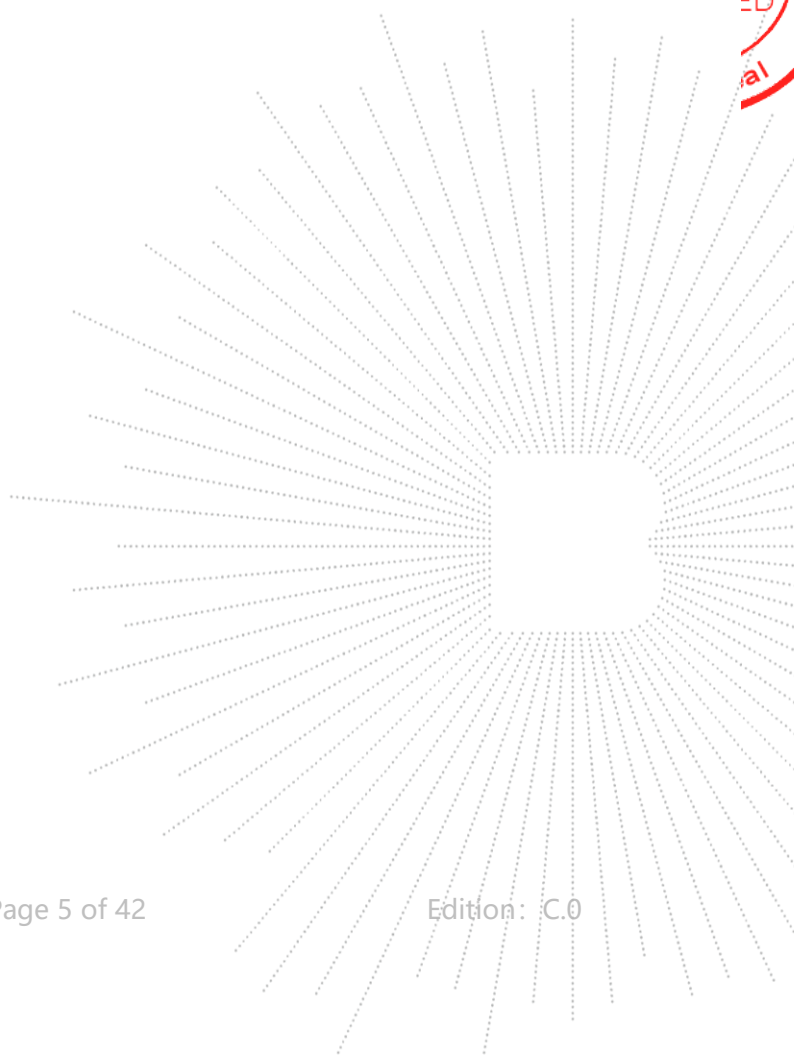
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(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2511825690E	2026-03-04	Original	Valid



2. Test Summary

Test procedures according to the technical standards:

Article 2 paragraph 1 of item 19	
Description of Test	Result
Frequency Error	Complies
Occupied Bandwidth (99%) and Spread-spectrum Bandwidth (90%)	Complies
Unwanted Emission Intensity	Complies
Antenna Power Error	Complies
Limitation of Collateral Emission of Receiver	Complies
Transmission Antenna Gain (EIRP Antenna Power)	N/A
Transmission Radiation Angle Width (3dB Beamwidth)	N/A
Radio Interference Prevention Capability	Complies
Construction Protection Confirmation	Complies

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report

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3. Measurement Uncertainty

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 %.

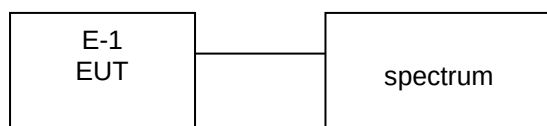
No.	Item	Uncertainty
1	Conducted Emission Test	$\pm 3.2\text{dB}$
2	Radiated Emission Test	$\pm 4.7\text{dB}$
3	RF power, conducted	$\pm 0.16\text{dB}$
4	Spurious emissions, conducted	$\pm 0.21\text{dB}$
5	All emissions, radiated(<1G)	$\pm 4.68\text{dB}$
6	All emissions, radiated(>1G)	$\pm 5.0\text{dB}$
7	frequency error ppm	$\pm 0.5\text{ppm}$

4. Product Information And Test Setup

4.1 Product Information

Model/Type reference:	MF-T76 C MF-T76 S, MF-T76 N
Model differences:	All the models are the same except for the different model names and the different hot shoe at the bottom of the prototypes. The model used in this test is of this particular model is MF-T76 C.
Hardware Version:	N/A
Software Version:	N/A
Operation Frequency:	2.412999634999634GHz-2.464499756499756GHz
Type of Modulation:	MSK
Number Of Channel:	32CH
Antenna installation:	PCB antenna -0.37847 dBi
Antenna Gain:	Remark: ☒ The antenna gain of the product comes from the antenna report provided by the customer, and the test data is affected by the customer information. ☐ The antenna gain of the product is provided by the customer, and the test data is affected by the customer information.
Ratings:	DC 5V from adapter/DC 7.2V from battery
Adapter Information:	MODEL: JZB310-050200UU INPUT: 100-240V~50-60Hz 0.35A OUTPUT: DC 5V 2000mA

4.2 Block Diagram Parameters Of Text Software Setting



4.3 Description Of Support Units (Conducted Mode)

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Macro Twin Flash		MF-T76 C	N/A	EUT
E-2	Adapter	N/A	JZB310-050200U	N/A	N/A

Notes:

1. The support equipment was authorized by Declaration of Confirmation.
2. For detachable type I/O cable should be specified the length in cm in 『Length』 column
3. “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

4.4 Channel List

Channel Number	Frequency (GHz)	Channel Number	Frequency (GHz)
1	2.412999634999634	17	2.439499908499908
2	2.414499664	18	2.440999939
3	2.415999695	19	2.442999847
4	2.418000000	20	2.444499878
5	2.419499634	21	2.445999908
6	2.420999664	22	2.447999817
7	2.422999969	23	2.449499847
8	2.424500000	24	2.450999878
9	2.425999634	25	2.452999786
10	2.427999939	26	2.454499817
11	2.429499969	27	2.455999847
12	2.431000000	28	2.457999756
13	2.432999908	29	2.459499786
14	2.434499939	30	2.460999817
15	2.435999969	31	2.462999725
16	2.437999878	32	2.464499756499756

4.5 Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

For All Mode	Description	Modulation Type
Mode 1	CH01	MSK
Mode 2	CH17	
Mode 3	CH32	
Mode 4	RX	MSK

4.6 Test Conditions

The EUT 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.

Power Supply Voltage Fluctuation Test

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input DC Power	DC 7.2V	DC 7.92V	DC 6.48V
RF input point power (DC)	3.3V	3.3V	3.3V

Note:

Voltage Variation (%)= (Output high or Low Voltage - Output Normal Voltage)/ Output Normal Voltage* 100

During the input supply voltage to the EUT from the external power source is varied by $\pm 10\%$, $\pm 10\%$ of the external power change, will not affect the voltage of the RF, so only operated in normal voltage to test all regulations.

4.7 Table Of Parameters Of Test Software Setting

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

Test software Version	nRF_DTM		
Frequency	2.412999634 GHz	2.439499908 GHz	2.464499756 GHz
Parameters	DEF	DEF	DEF

5. Test Facility And Test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Technology Co., Ltd. Address: 101M., Unit 1, Building 1, Pengyuan, No. 18, Lilang Road, Shanglilang Community, Nanwan Street, Longgang District, Shenzhen, Guangdong, P. R. China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

5.2 Test Instrument Used

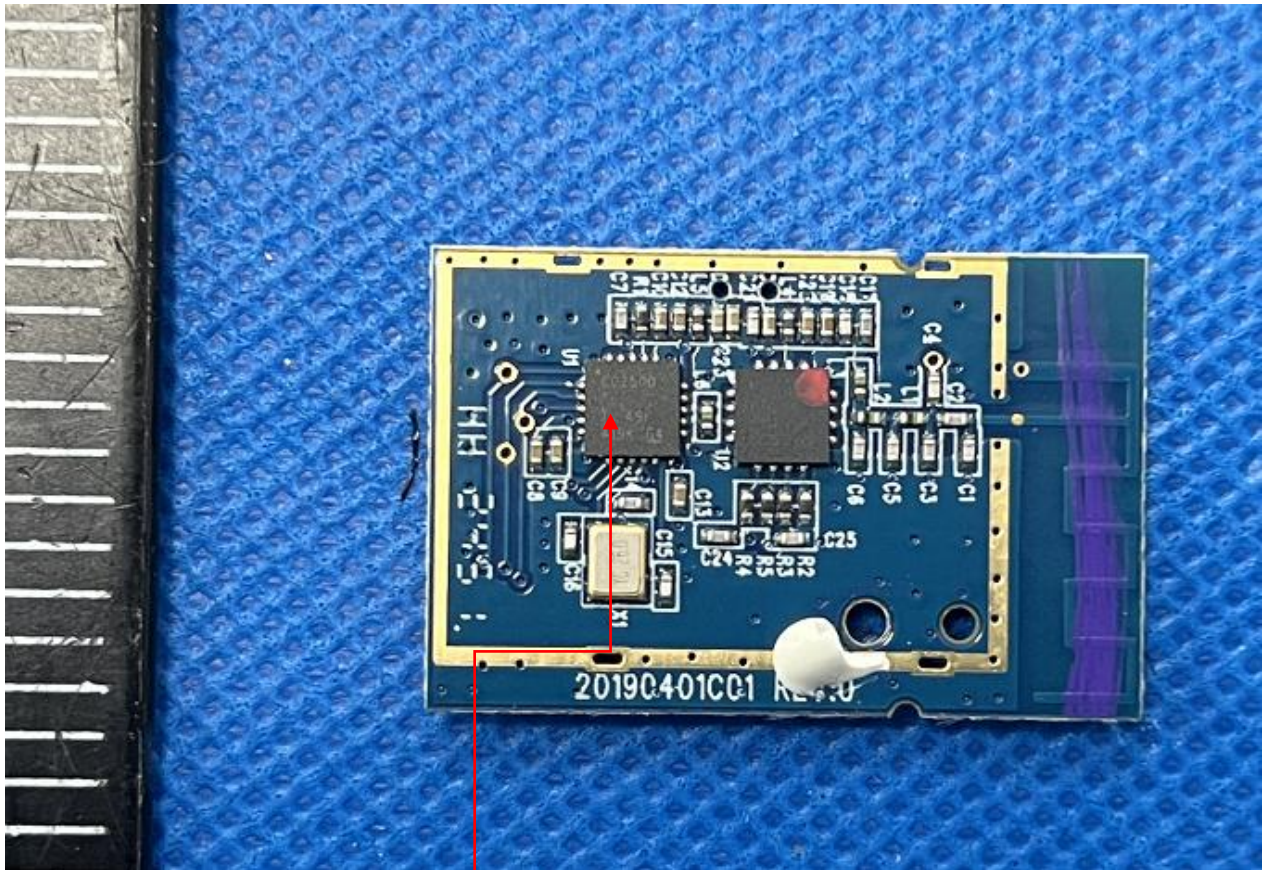
Item	Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
1.	Power Metter	Keysight	E4419	\	May 14, 2025	May 13, 2026
2.	Signal Analyzer 20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 14, 2025	May 13, 2026
3.	D.C. Power Supply	LongWei	TPR-6405D	\	May 14, 2025	May 13, 2026
4.	Signal Generator	Keysight	N5182B	MY56200519	May 14, 2025	May 13, 2026
5.	Pulse limiter	Schwarzbeck	VTSD 9561-F	01323	May 14, 2025	May 13, 2026
6.	Hygrothermograph	Thermo	HTC-1	\	May 19, 2025	May 18, 2026

Calibration laboratory: CCIC(Shenzhen) Co., Ltd

● Calibration Information (Article 24-2, Paragraph 4 of the Radio Act)	
☐	a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18-1 of the Radio Act
☐	(b) Calibration conducted based on the regulations of Article 135 or 144 of the Measurement Act
☒	(c) Calibration conducted in foreign countries, which is equivalent to calibration conducted by the NICT or a designated calibration agency under Article 102-18-1 of the Radio Act
☐	(d) Calibration, etc. conducted by using measuring instruments and other facilities listed at the bottom of appended table 3 of the Radio Act, which is to have been calibrated as described in (a) through (c) above

6. Tamperproof Declaration

The RF and modulation portions are protected against illegal modifications as follows:
Number of the pins: 24 interval distance 0.2mm

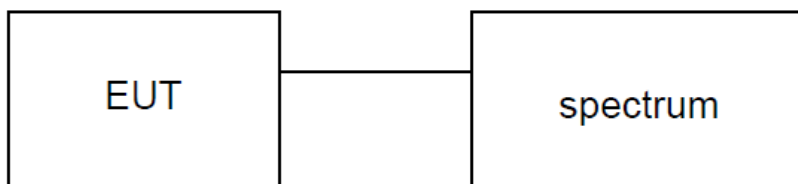


Protective containment soldering

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7. Frequency Error

7.1 Block Diagram Of Test Setup



7.2 Limit

Item	Limits
Frequency Error	±50ppm

7.3 Measuring Instruments And Setting

The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

7.4 Test Procedure

(1) In the case of unmodulated signal (continuous or continuous burst), measure the frequency directly by a frequency meter.

(2) In the case of burst waves, the measurement shall be done for enough time in order to obtain the enough measuring accuracy, and the average of the measured values becomes the final value.

(3) In the case of a test mode with a specific frequency spectrum, measure the frequency of the specific spectrum by a spectrum analyzer.

(4) In the cases above, if the frequency equivalent to the test frequency is not directly measured in principle, it shall be obtained by necessary calculation.

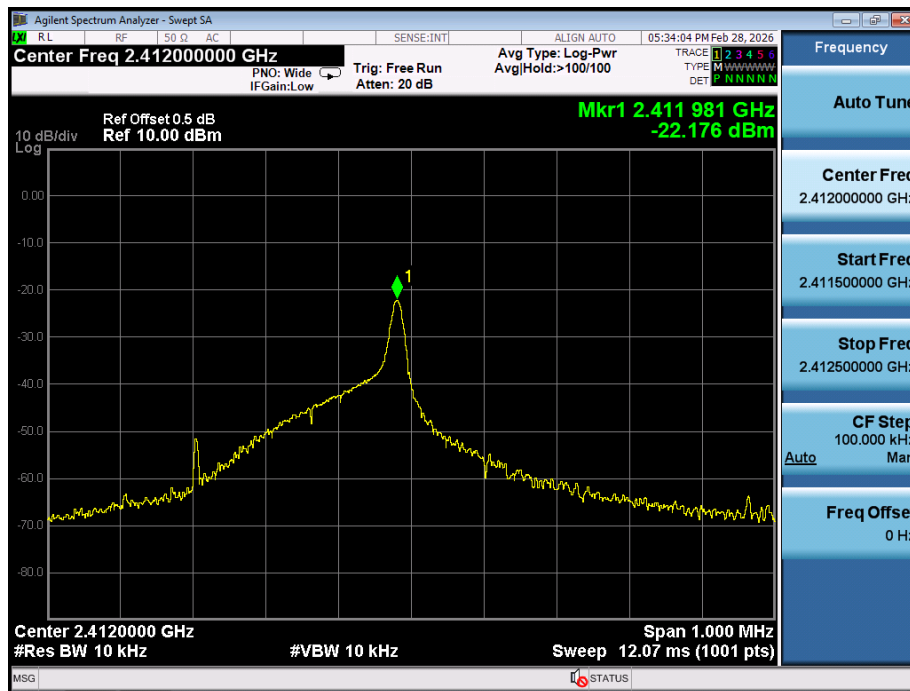
In the case of modulated signal, if there is no specific spectrum measurable by a spectrum analyzer but a specific dip is observed, it is allowed to measure the frequency with the signal generator (synthesized). That is, observe a signal of the signal generator concurrently (or alternately) with the tested signal using the spectrum analyzer while setting the frequency of the signal generator to the position of the dip on the screen of the spectrum analyzer, and determine the frequency of the signal generator at the time as a measured value.

7.5 Test Result

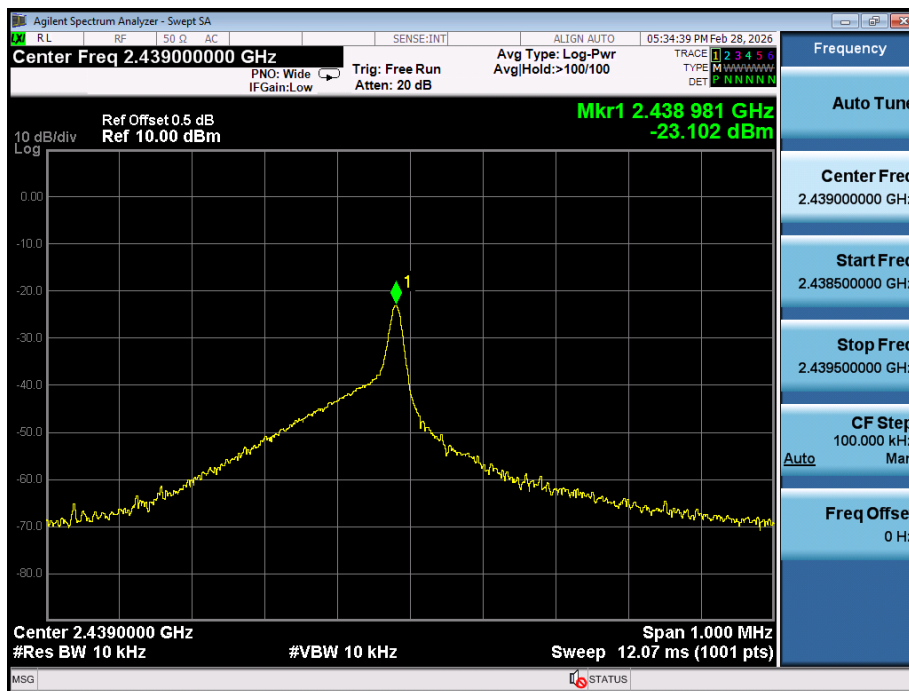
Temperature:	25°C		
Humidity:	55 % RH	Test Voltage	DC 7.2V
Test Mode:	MSK		

Condition	Frequency (GHz)	Measured Frequency (GHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	2.412999634	2.411981	-19000	-7.88	50	Pass
NVNT	2.439499908	2.438981	-19000	-7.79	50	Pass
NVNT	2.464499756	2.463980	-20000	-8.12	50	Pass

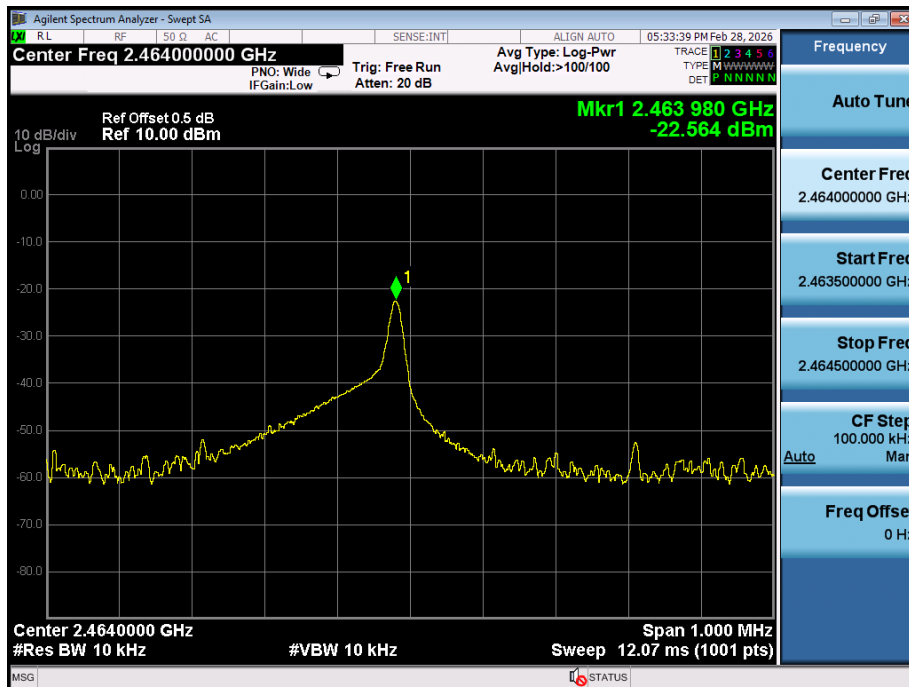
NVNT 2.412999634 GHz



NVNT 2.439499908 GHz



NVNT 2.464499756 GHz



8. Antenna Power

8.1 Block Diagram Of Test Setup



8.2 Limit

Item	Limits
Antenna Power Density	(1) $\leq 3\text{mW/MHz}$ (FH, FH+DS, FH+OFDM form 2400 - 2483.5 MHz) (2) $\leq 10\text{mW/MHz}$ (OFDM OBW < 26MHz, DS, FH other than (1)) (3) $\leq 5\text{mW/MHz}$ (OFDM OBW 26-38MHz) (4) $\leq 10\text{mW}$ (Other than (1) & (2)& (3))
Antenna Power Error	+20%, No Lower Limit (Base on manufacturer declare antenna power density)

Item	Limits
EIRP Power Density	$\leq 16.91\text{dBm/MHz}$ (FH form 2427 - 2470.75 MHz) $\leq 22.14\text{dBm/MHz}$ (OFDM, DS from 2400~2483.5MHz) $\leq 22.14\text{dBm}$ (Other from 2400~2483.5MHz)
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 10 mW/MHz (10 dBm/MHz), So the test item will not be applied to the transmission antenna which has a gain of 2.14dBi or less	

8.3 Test Procedure

- 1: Measure the total power by Power Meter in a state of hopping mode or non-hopping mode (with Average Sensor)
 - 2: If it's the burst wave, please measure the burst ratio. Then calculate the real total power by burst ratio.
 - 3: Calculate the mean power.
- Output Power Density (mW) = Total Output Power (mW) / Duty cycle

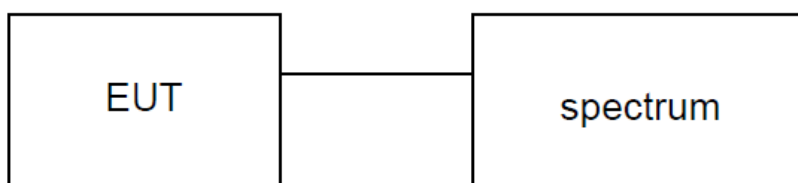
8.4 Test Result

Temperature:	25°C		
Humidity:	55 % RH	Test Voltage	DC 7.2V
Test Mode:	MSK		

Mode	Test Frequency(GHz)	Antenna Power (dBm)	Antenna Power (mW)	Rated output power (mW)	Antenna Power Error (%)	Limit	Verdict
MSK	2.412999634	9.177	8.27	8	3	10mW	Pass
	2.439499908	8.539	7.14		-11		
	2.464499756	8.168	6.56		-18		
Limit : +20%, -80% (Base on manufacturer declare antenna power density)							

9. Occupied Bandwidth

9.1 Block Diagram Of Test Setup



9.2 Limit

Item	Limits
Occupied Band Width:	FH 83.5MHz; OFDM,DS $\leq$ 26MHz;Others $\leq$ 26MHz

9.3 Test Procedure

- Setting of SA is following as: RB: 300 kHz / VB: 300 kHz / SPAN: 3MHz / AT: 20dB Ref: 10dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
- EUT have transmitted the maximum modulation signal and fixed channelize (For DSSS or OFDM Device) or continuous maximum power of hopping mode (For FHSS Device).
SA set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than 26MHz (For DSSS or OFDM Device) or 83.5MHz (For FHSS Device).
- SA set to 90% of occupied bandwidth to measure Spread Spectrum Bandwidth and must greater than 500 kHz.
- Spread Spectrum Factor = Spread Spectrum Bandwidth / modulation rate of EUT.
- Spread Spectrum Factor limit is greater than 5

9.4 Test Result

Temperature:	25°C		
Humidity:	55 % RH	Test Voltage	DC 7.2V
Test Mode:	MSK		

Condition	Frequency (GHz)	99%Occupied bandwidth (MHz)	90%Spread bandwidth (MHz)	Occupied Bandwidth Limit (MHz)	Verdict
NVNT	2.412999634	0.87507	0.28822	$\leq$ 26MHz	Pass
NVNT	2.439499908	0.90967	0.29541	$\leq$ 26MHz	Pass
NVNT	2.464499756	0.96543	0.29130	$\leq$ 26MHz	Pass

99% OBW 2.412999634GHz



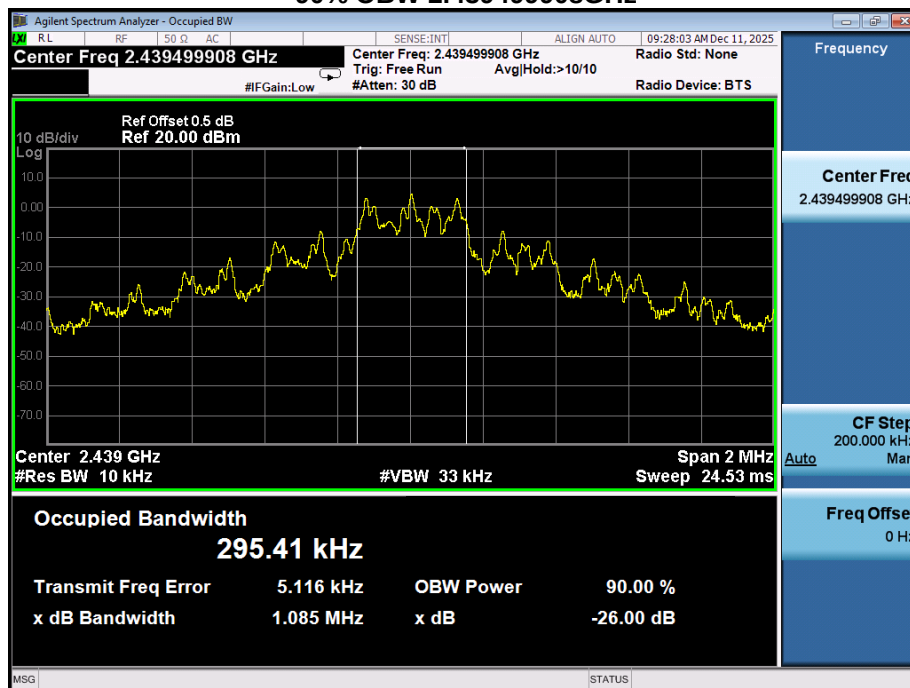
90% OBW 2.412999634GHz



99% OBW 2.439499908GHz



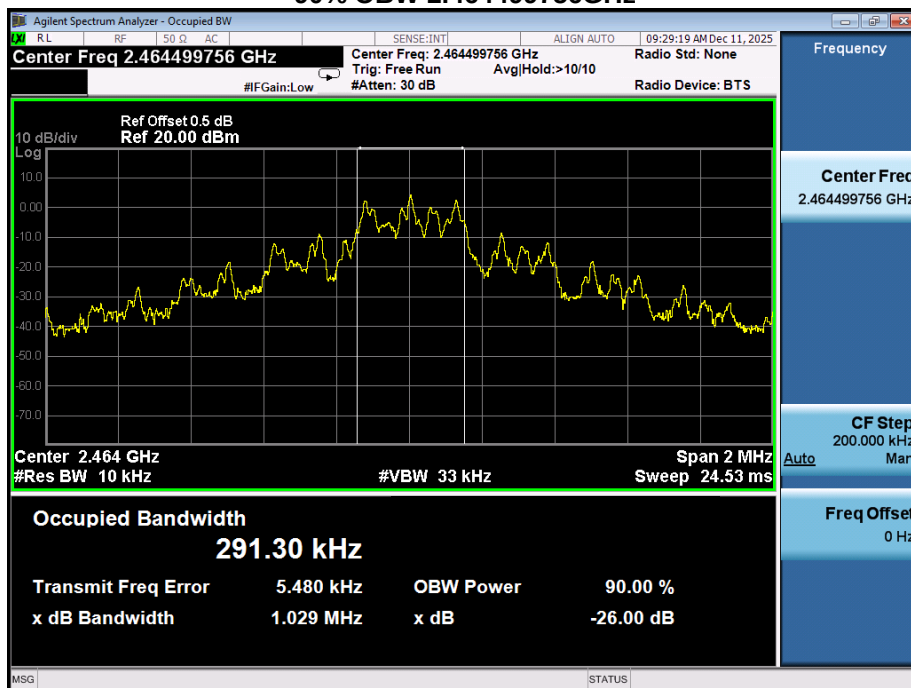
90% OBW 2.439499908GHz



99% OBW 2.464499756GHz

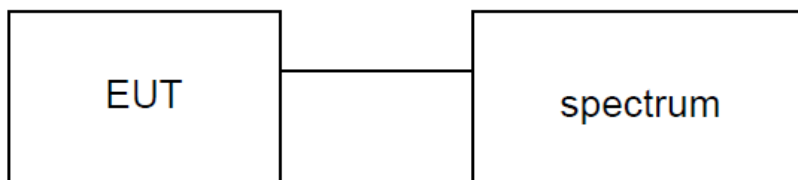


90% OBW 2.464499756GHz



10. Unwanted Emission Intensity Measurement

10.1 Block Diagram Of Test Setup



10.2 Limit

Item	RB / VB	Limits
TX Spurious Emission	100KHz	$\leq 2.5 \mu\text{W}/\text{MHz}$ (-36dBm) ($30\text{MHz} \leq f \leq 1000\text{MHz}$)
	1 MHz	$\leq 2.5 \mu\text{W}/\text{MHz}$ (-26dBm) ($1000\text{MHz} < f \leq 2387\text{MHz}$)
	1 MHz	$\leq 25 \mu\text{W}/\text{MHz}$ (-16dBm) ($2387\text{MHz} < f \leq 2400\text{MHz}$)
	1 MHz	$\leq 25 \mu\text{W}/\text{MHz}$ (-16dBm) ($2483.5\text{MHz} \leq f < 2496.5\text{MHz}$)
	1 MHz	$\leq 2.5 \mu\text{W}/\text{MHz}$ (-26dBm) ($2496.5\text{MHz} \leq f < 12500\text{MHz}$)

10.3 Measuring Instruments And Setting

Please refer to section 5 in this report. The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	1 MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

10.4 Test Procedure

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as: Below 1GHz RB: 100 KHz / VB: 100 KHz
Above 1GHz RB: 1 MHz / VB: 1 MHz / AT: 20dB Ref: 10dBm / Sweep time: Auto
Sweep Mode: Continuous sweep / Detect mode: Positive peak
Trace mode: Max hold
3. Setting of SA is following as 30MHz and stop frequency 1000MHz Then to mark peak reading value + cable loss shall be less than 0.25μW.
4. Setting of SA is following as 1000MHz and stop frequency 2387MHz Then to mark peak reading value + cable loss shall be less than 2.5μW.
5. SA adjusted to start frequency 2387MHz and stop frequency 2400MHz. Then to mark peak reading value + cable loss shall be less than 25μW.
6. SA adjusted to start frequency 2483.5MHz and stop frequency 2496.5MHz Then to mark peak reading value + cable loss shall be less than 25μW
7. SA adjusted to start frequency 2496.5MHz and stop frequency 12500MHz Then to mark peak reading value + cable loss shall be less than 2.5μW

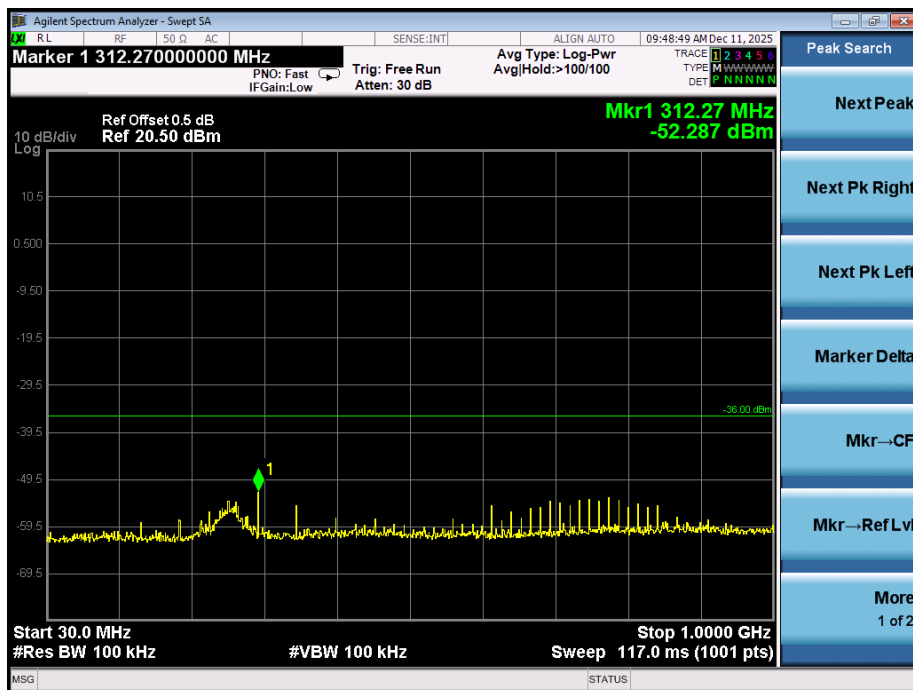
10.5 Test Result

Temperature:	25°C		
Humidity:	55 % RH	Test Voltage	DC 7.2V
Operation Mode:	MSK TX ; Normal Voltage		

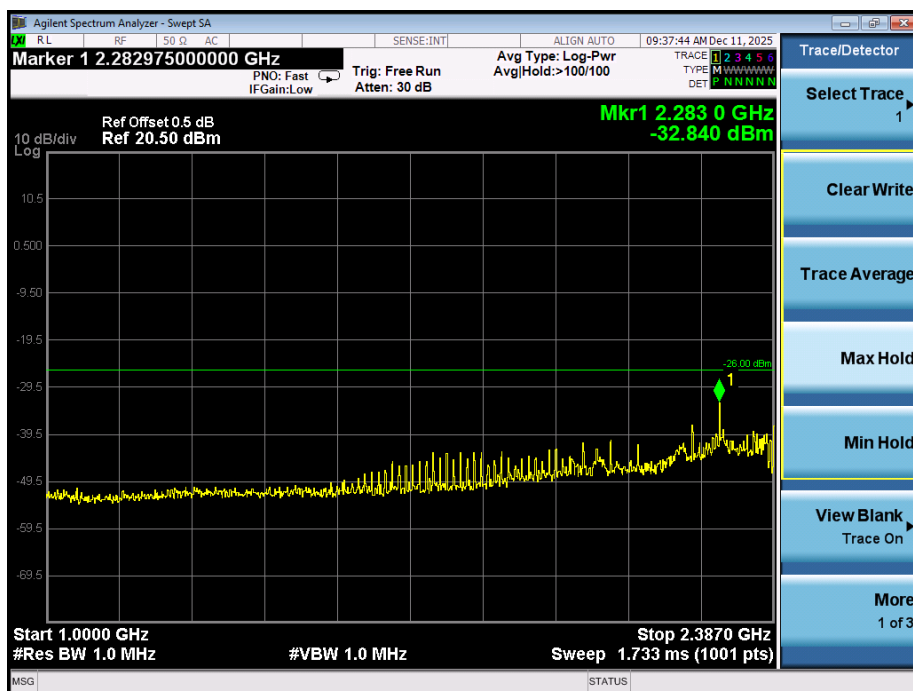
Condition	Mode	Frequency (GHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (μW/MHz)	Limit (μW/MHz)	Verdict
NVNT	MSK	2.412999634	30-1000	312.27	-42.287	0.0591	2.5	Pass
NVNT		2.412999634	1000-2387	2283.0	-32.840	0.5200	2.5	Pass
NVNT		2.412999634	2387-2400	2398.284	-35.636	0.2731	25	Pass
NVNT		2.412999634	2483.5-2496.5	2483.721	-36.554	0.2211	25	Pass
NVNT		2.412999634	2496.5-12500	2596	-34.775	0.3330	2.5	Pass
NVNT		2.439499908	30-1000	312.27	-42.469	0.0566	2.5	Pass
NVNT		2.439499908	1000-2387	2256.6	-33.071	0.4931	2.5	Pass
NVNT		2.439499908	2387-2400	2399.961	-27.580	1.7458	25	Pass
NVNT		2.439499908	2483.5-2496.5	2490.962	-35.377	0.2899	25	Pass
NVNT		2.439499908	2496.5-12500	2566	-35.229	0.3000	2.5	Pass
NVNT		2.464499756	30-1000	793.39	-41.902	0.0645	2.5	Pass
NVNT		2.464499756	1000-2387	2307.9	-31.384	0.7271	2.5	Pass
NVNT		2.464499756	2387-2400	2397.400	-38.467	0.1423	25	Pass
NVNT		2.464499756	2483.5-2496.5	2483.578	-31.607	0.6907	25	Pass
NVNT		2.464499756	2496.5-12500	2616	-37.364	0.1835	2.5	Pass

When the RB=100kHz, RB factor = $10\log(RB0/RB1) = 10\log(1M/100K) = 10\text{dB}$

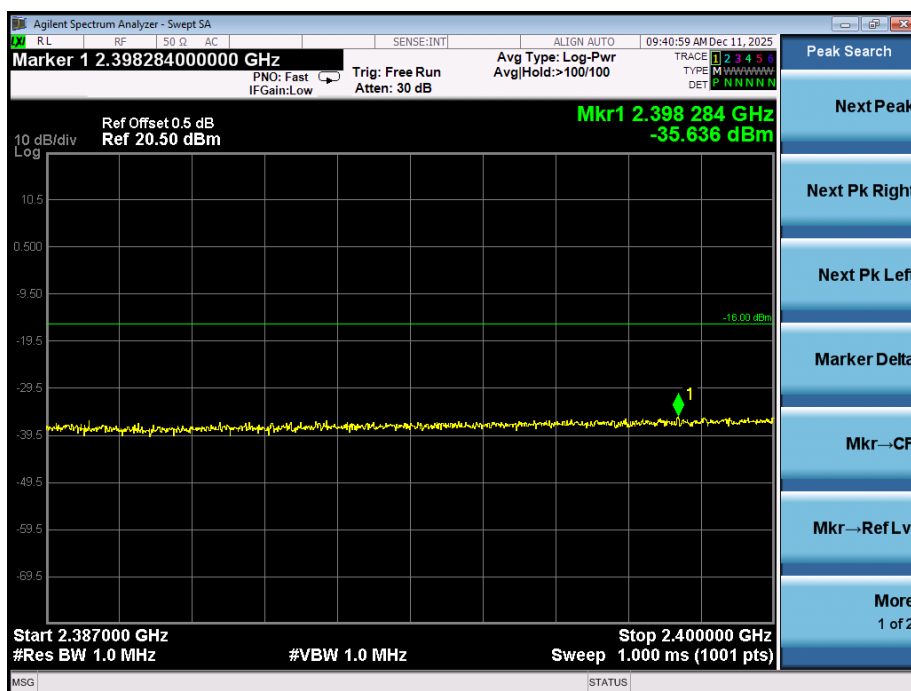
Tx. Spurious NVNT 2.412999634GHz @ 30MHz-1000MHz



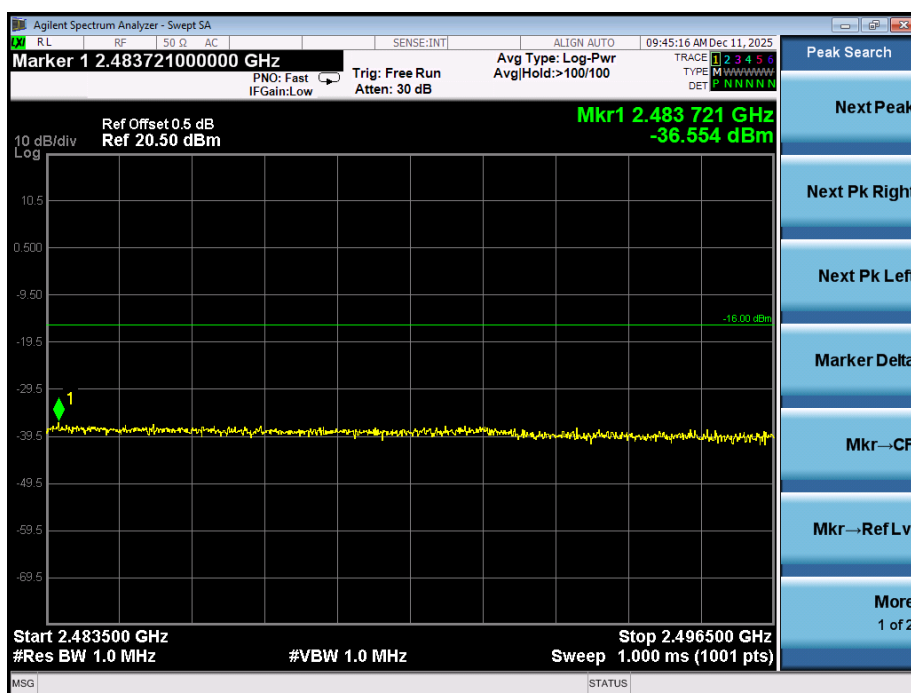
Tx. Spurious NVNT 2.412999634GHz @ 1000MHz-2387MHz



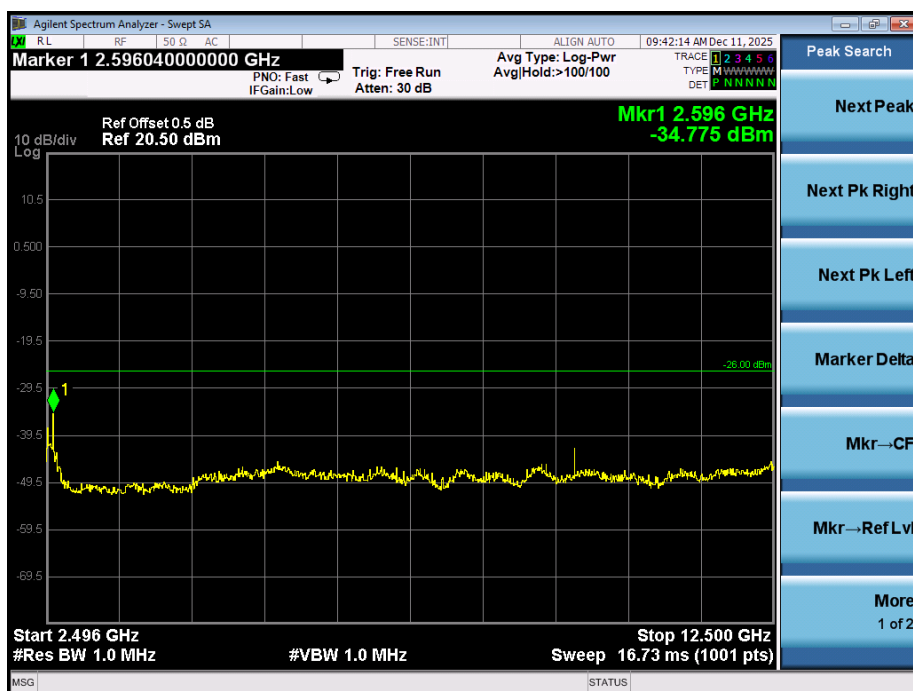
Tx. Spurious NVNT 2.412999634GHz @ 2387MHz-2400MHz



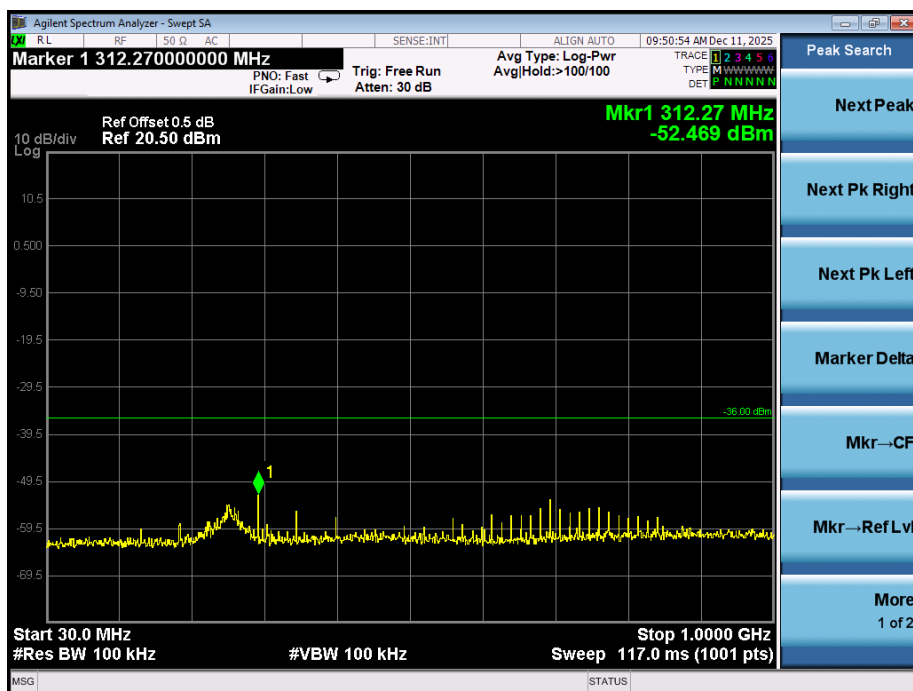
Tx. Spurious NVNT 2.412999634GHz @ 2483.5MHz-2496.5MHz



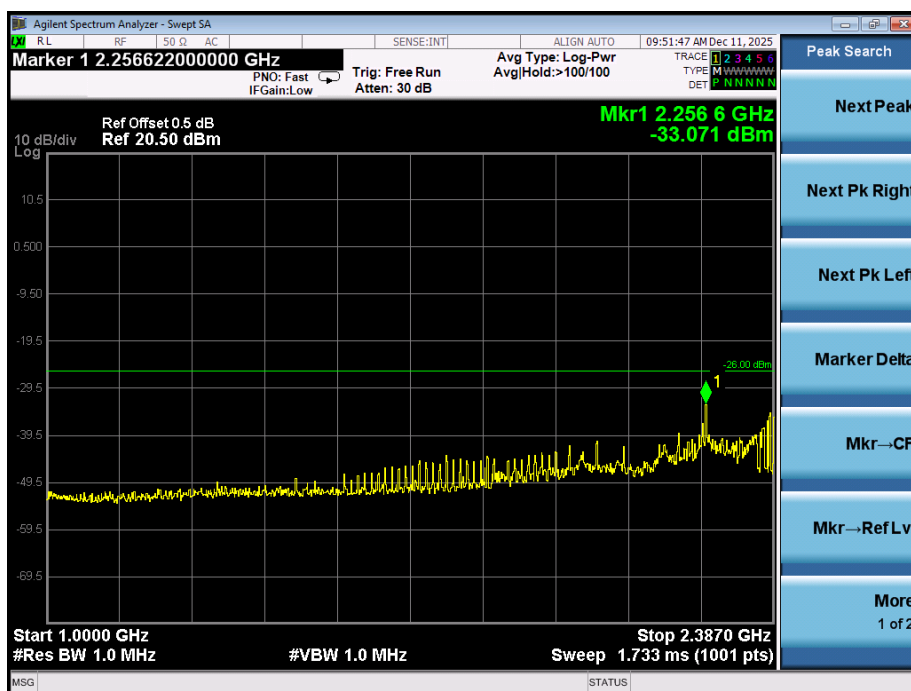
Tx. Spurious NVNT 2.412999634GHz @ 2496.5MHz-12500MHz



Tx. Spurious NVNT 2.439499908GHz @ 30MHz-1000MHz



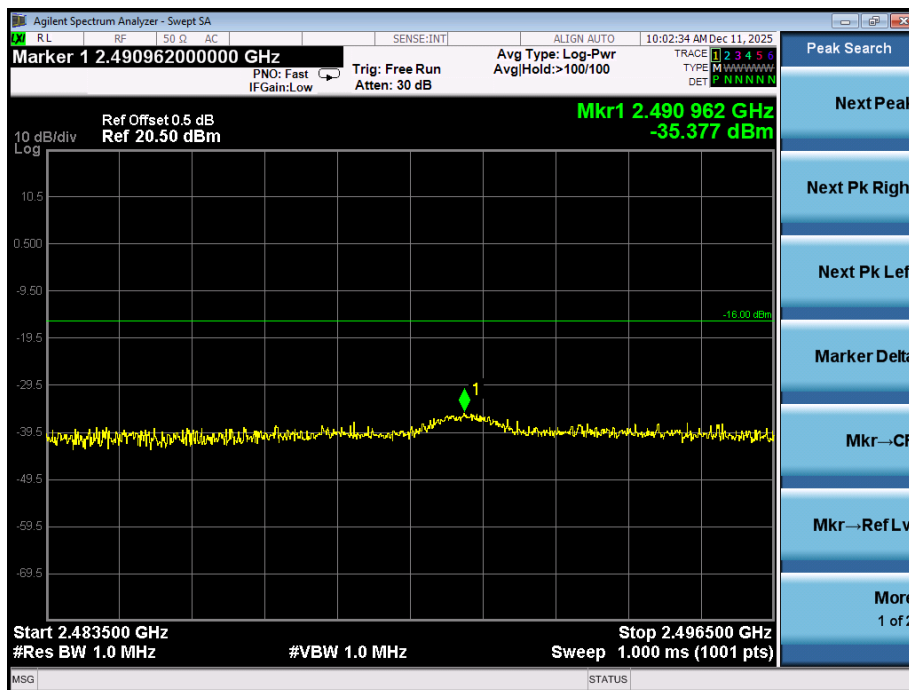
Tx. Spurious NVNT 2.439499908GHz @ 1000MHz-2387MHz



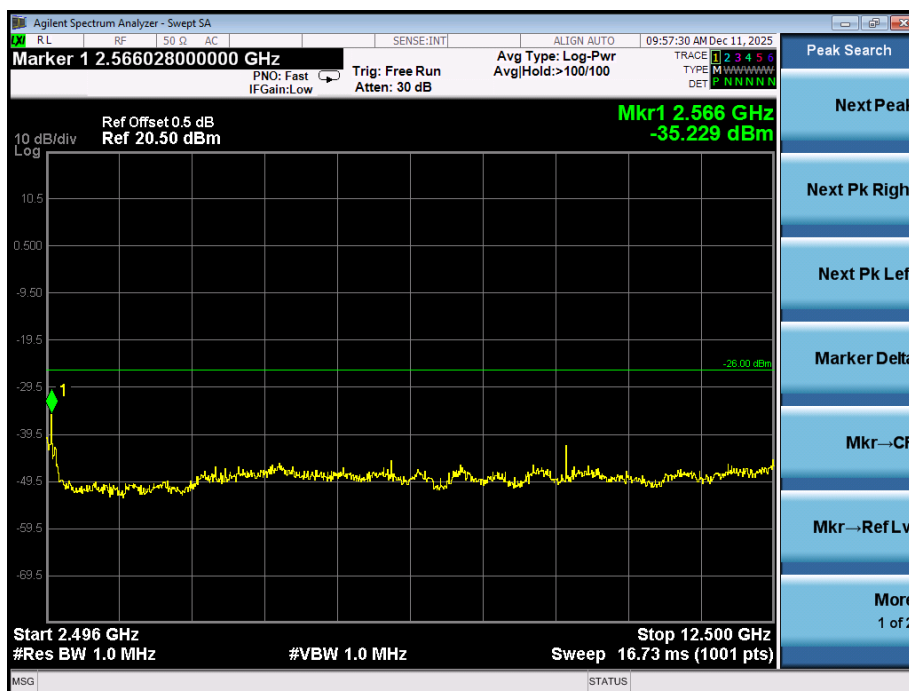
Tx. Spurious NVNT 2.439499908GHz @ 2387MHz-2400MHz



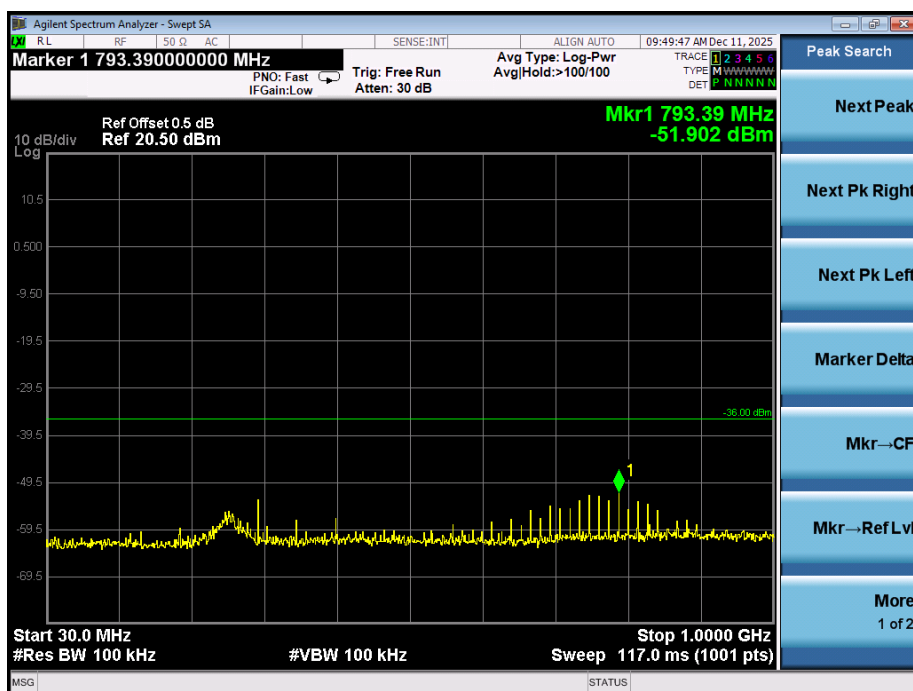
Tx. Spurious NVNT 2.439499908GHz @ 2483.5MHz-2496.5MHz



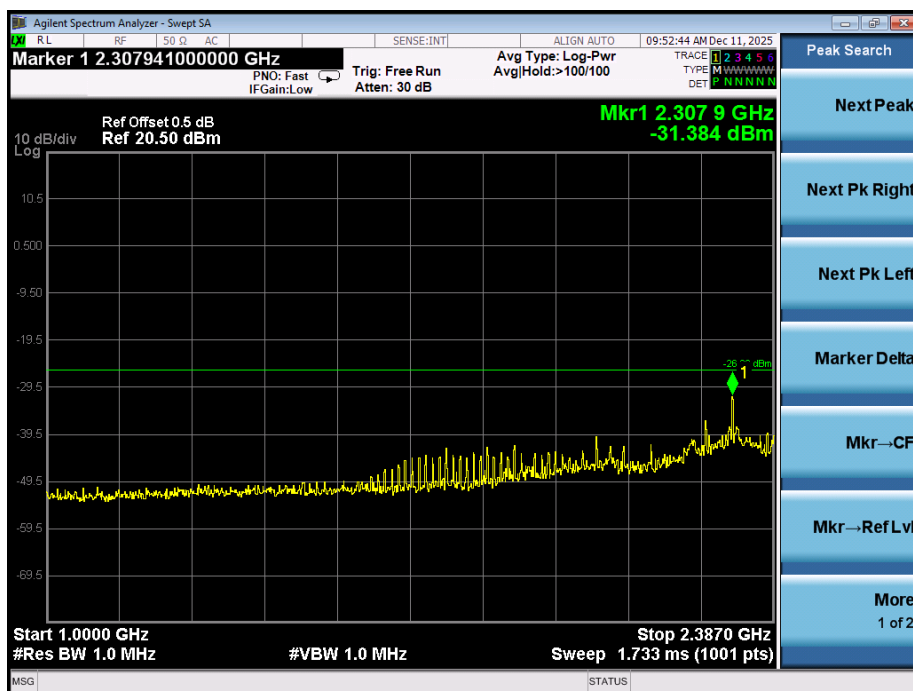
Tx. Spurious NVNT 2.439499908GHz @ 2496.5MHz-12500MHz



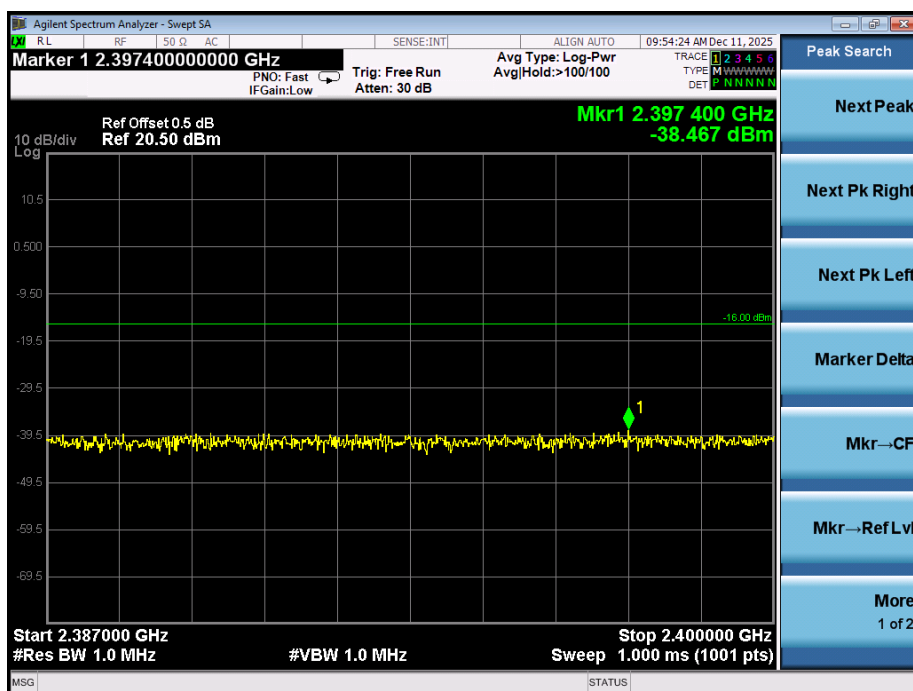
Tx. Spurious NVNT 2.464499756GHz @ 30MHz-1000MHz



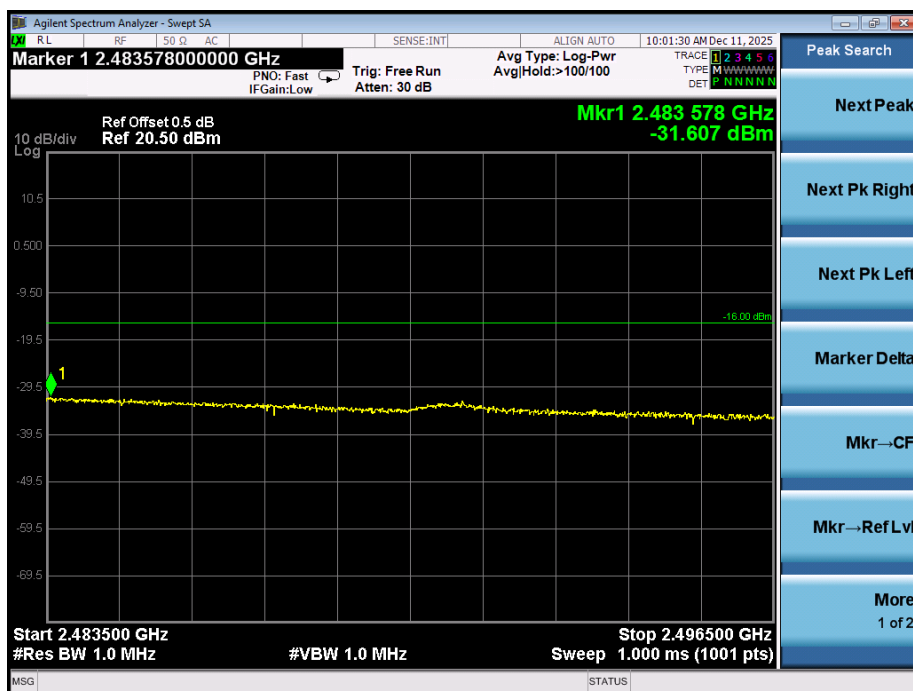
Tx. Spurious NVNT 2.464499756GHz @ 1000MHz-2387MHz



Tx. Spurious NVNT 2.464499756GHz @ 2387MHz-2400MHz

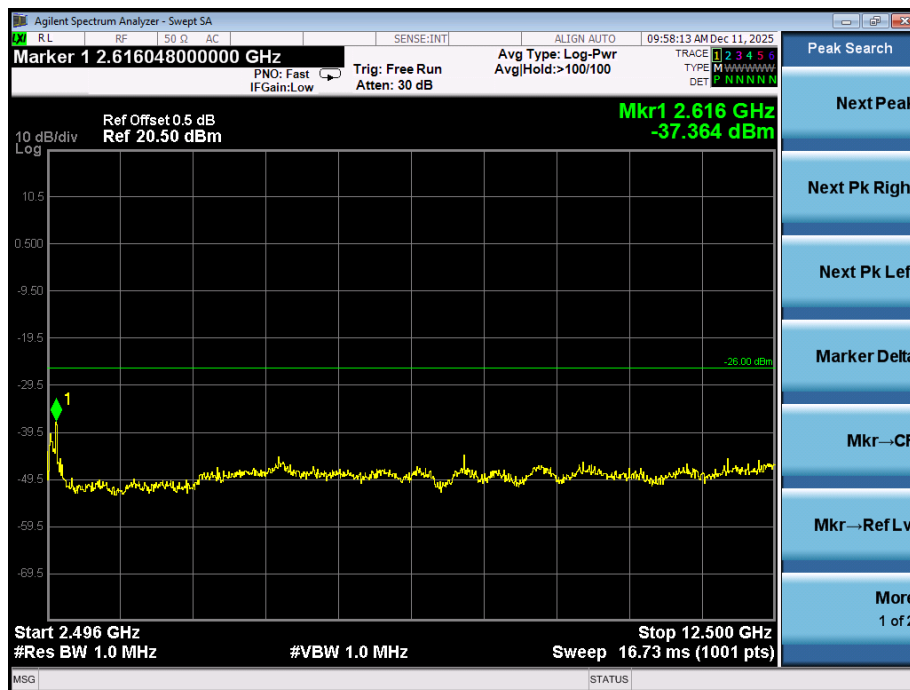


Tx. Spurious NVNT 2.464499756GHz @ 2483.5MHz-2496.5MHz



CO., LTD

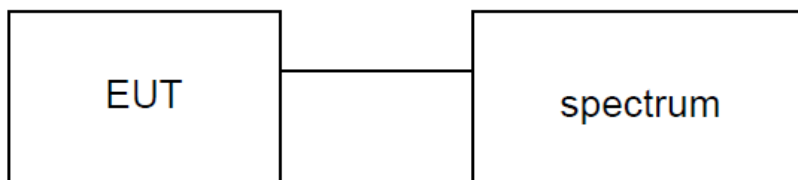
Tx. Spurious NVNT 2.464499756GHz @ 2496.5MHz-12500MHz



SHENZHEN

11. Imitation Of Collateral Emission Of Receiver Measurement

11.1 Block Diagram Of Test Setup



11.2 Limit

Item	Limits
RX Spurious Emission:	$\leq 4\text{nW}$ (-54dBm) ($f < 1\text{GHz}$)
	$\leq 20\text{nW}$ (-47dBm) ($1\text{GHz} \leq f$)

11.3 Measuring Instruments And Setting

Please refer to section 5 in this report. The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
VB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

11.4 Test Procedure

- EUT have the continuous reception mode and fixed only one channelize.
- Setting of SA is following as RB / VB: 100 kHz (below 1GHz emissions) / 1 MHz (above 1GHz emissions) / AT: 6dB / Ref: -20dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
- SA set RB: 100 kHz and VB: 100 kHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW
- SA set RB: 1MHz and VB: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 12500MHz. Search to mark peak reading value + cable loss shall be less than 20nW
- If power level of lower emissions are more than 1/10 of limit (0.4nW for $f < 1\text{GHz}$, 2nW for $f \geq 1\text{GHz}$), all those are to be indicated in the 2nd and 3rd lines. If others are 1/10 or less more of the limit, no necessary to be indicated.

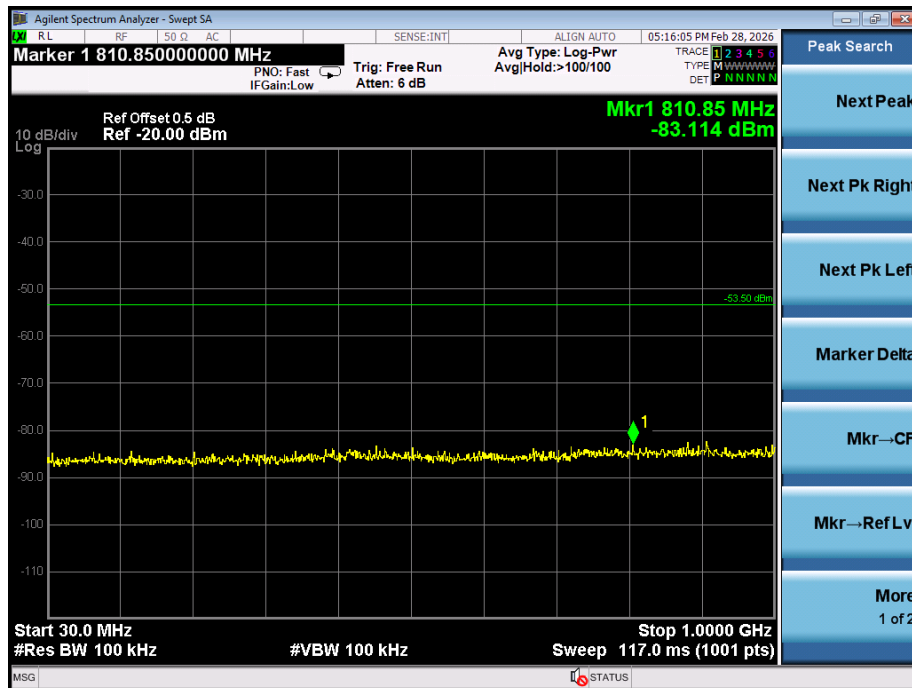
11.5 Test Result

Temperature:	25°C		
Humidity:	55 % RH	Test Voltage	DC 7.2V
Operation Mode:	MSK Normal Voltage		

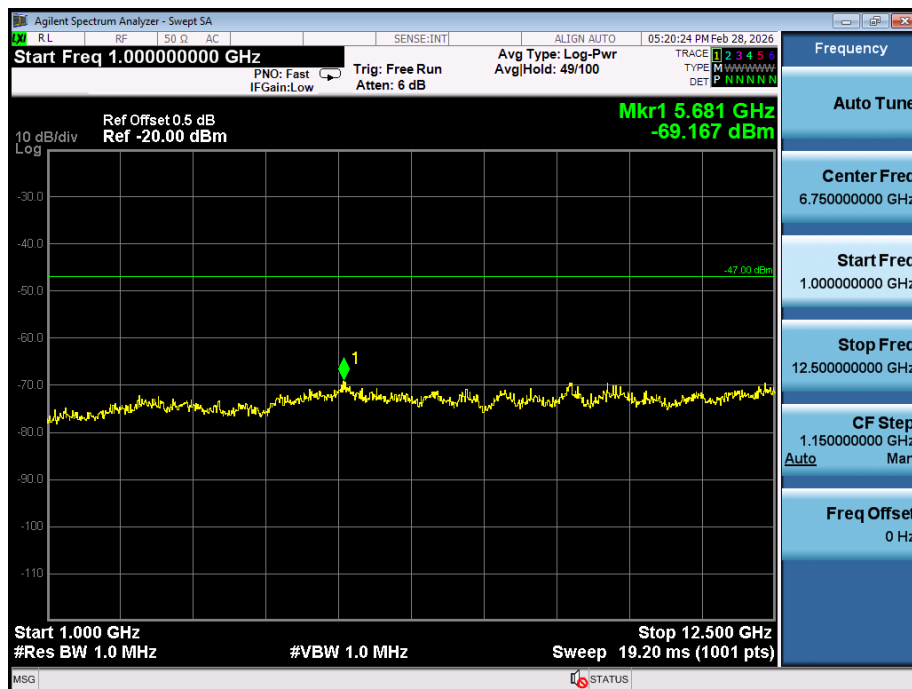
Condition	Mode	Frequency (GHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
NVNT	MSK	2.412999634	30-1000	810.85	-83.114	0.0049	4	Pass
NVNT		2.412999634	1000-12500	5681	-69.167	0.1211	20	Pass
NVNT		2.439499908	30-1000	821.52	-83.344	0.0046	4	Pass
NVNT		2.439499908	1000-12500	2461	-66.275	0.2358	20	Pass
NVNT		2.464499756	30-1000	949.56	-83.499	0.0045	4	Pass
NVNT		2.464499756	1000-12500	9970	-69.580	0.1102	20	Pass

C T
3C
PPR
spor

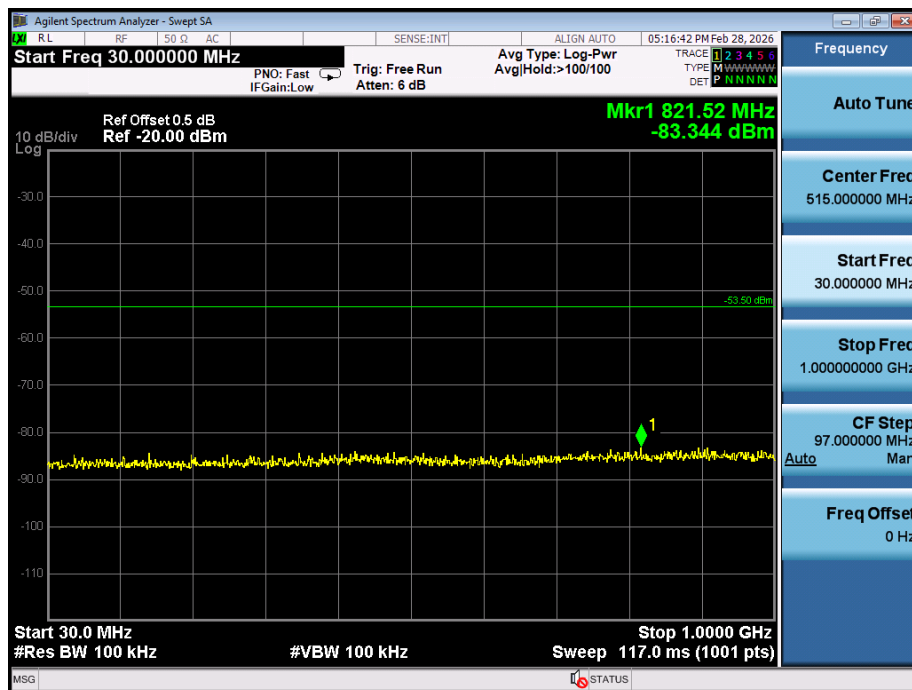
Rx. Spurious NVNT 2.412999634GHz @ 30MHz-1000MHz



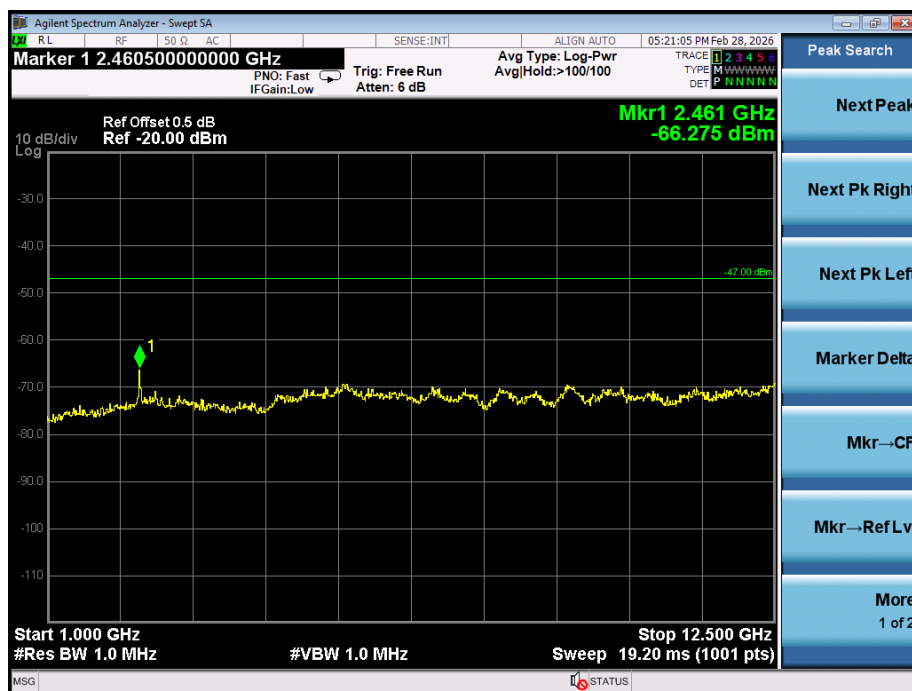
Rx. Spurious NVNT 2.412999634GHz @ 1000MHz-12500MHz



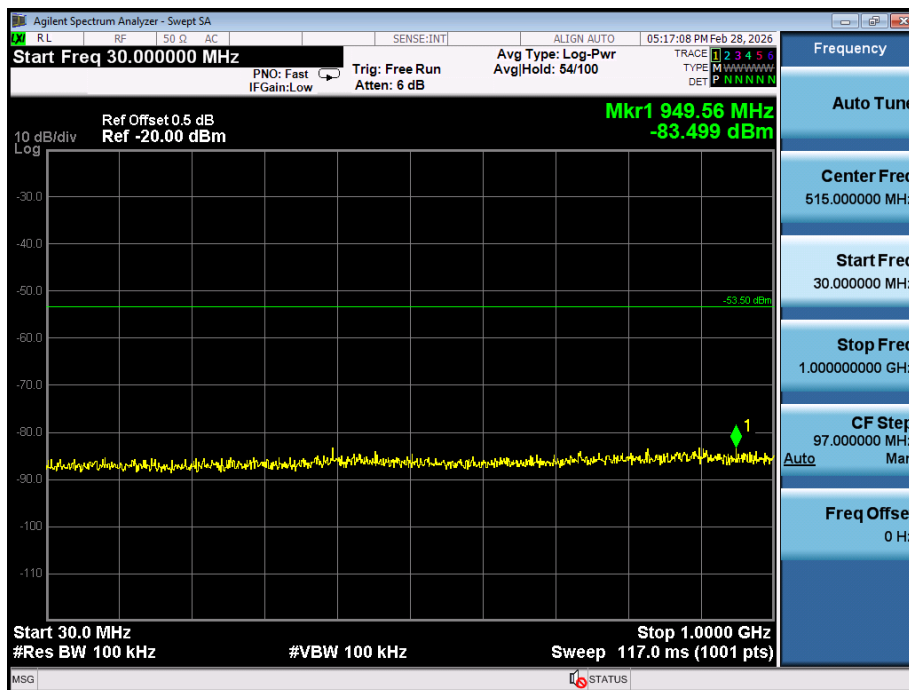
Rx. Spurious NVNT 2.439499908GHz @ 30MHz-1000MHz



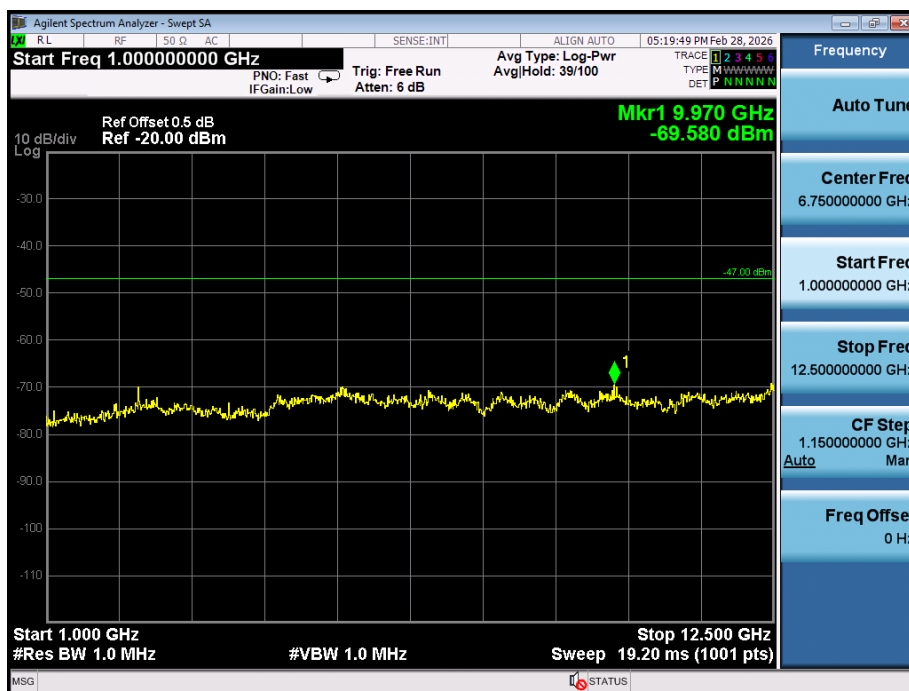
Rx. Spurious NVNT 2.439499908GHz @ 1000MHz-12500MHz



Rx. Spurious NVNT 2.464499756GHz @ 30MHz-1000MHz

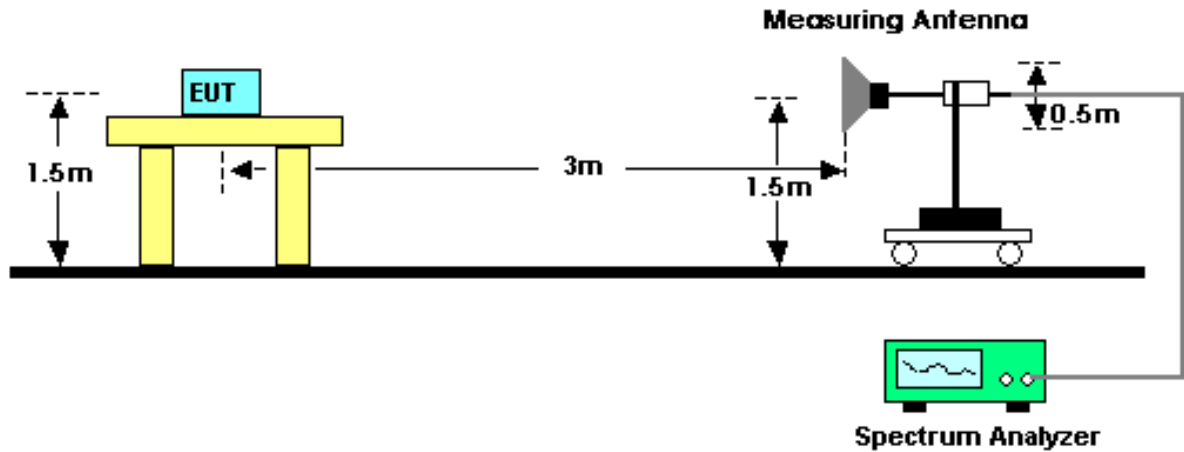


Rx. Spurious NVNT 2.464499756GHz @ 1000MHz-12500MHz



12. Transmission Radiation Angle Width (3db Beamwidth) Measurement

12.1 Block Diagram Of Test Setup



12.2 Limit

Item	Limits
3dB antenna beam width	360/A (If A<1; then A=1)
Note: A = E.I.R.P. / (2.14dBi + "Antenna Power (limit)" of each modulation method (*3mW/MHz, 10mW/MHz, etc.))	

12.3 Measuring Instruments And Setting

Please refer to section 5 in this report. The following table is the setting of spectrum analyzer.

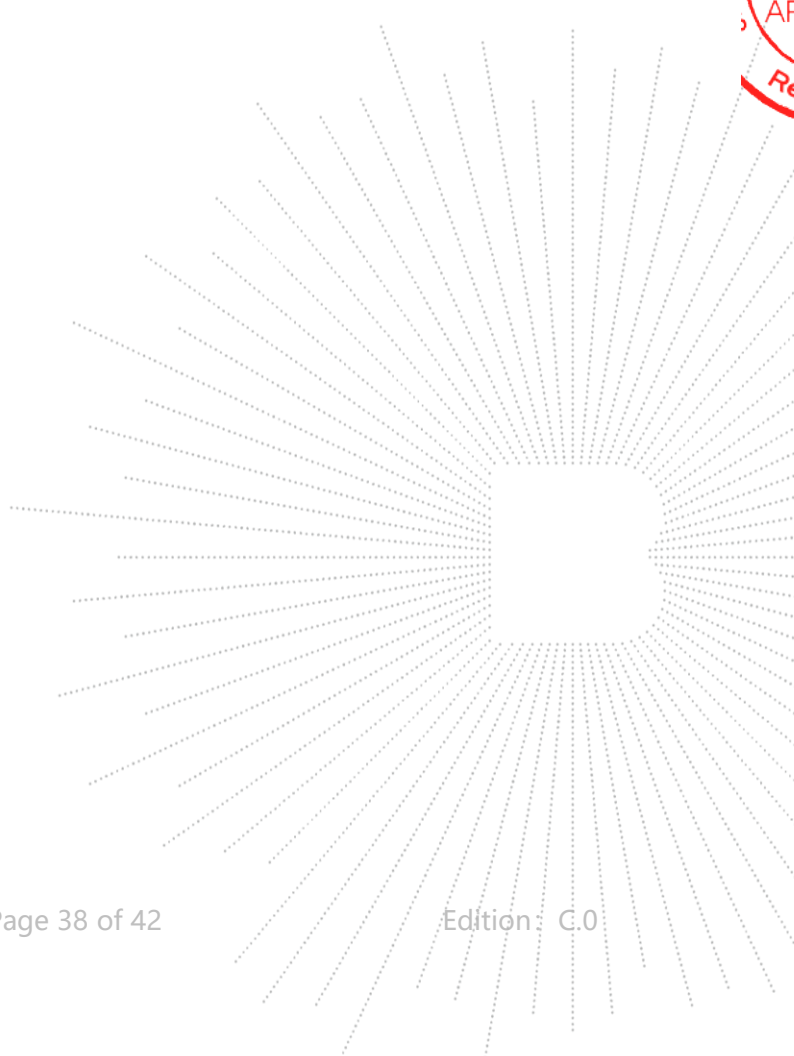
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	0 MHz
RB	1 MHz
VB	1 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

12.4 Test Procedure

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 $A=1$).

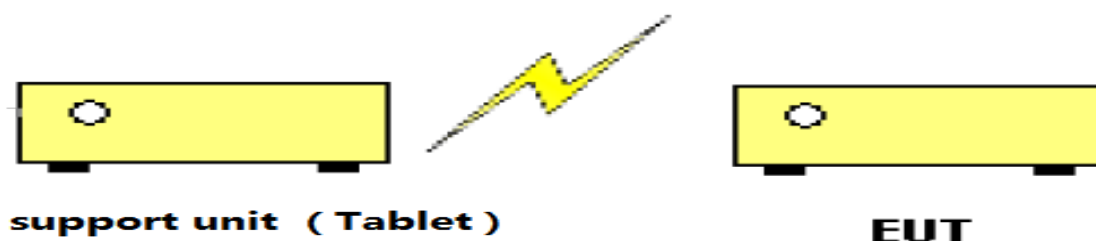
12.5 Test Result

N/A



13. Radio Interference Prevention Capability Measurement

13.1 Block Diagram Of Test Setup



13.2 Limit

Item	Limits
Identification code	≥ 48 bits

13.3 Measuring Instruments And Setting

Item	Limits
MAC IP List	MAC Scan

13.4 Test Procedure

1. In the case that the EUT has the function of automatically transmitting the identification code:
 - a. Transmit the predetermined identification codes form EUT.
 - b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification code:
 - a. Transmit the predetermined identification codes form the counterpart.
 - b. Check if communication is normal.
 - c. Transmit the signals other than predetermined ID codes form the counterpart.
 - d. check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

13.5 Test Result

Temperature:	25°C		
Humidity:	55 % RH	Test Voltage	DC 7.2V
Operation Mode:	MSK		

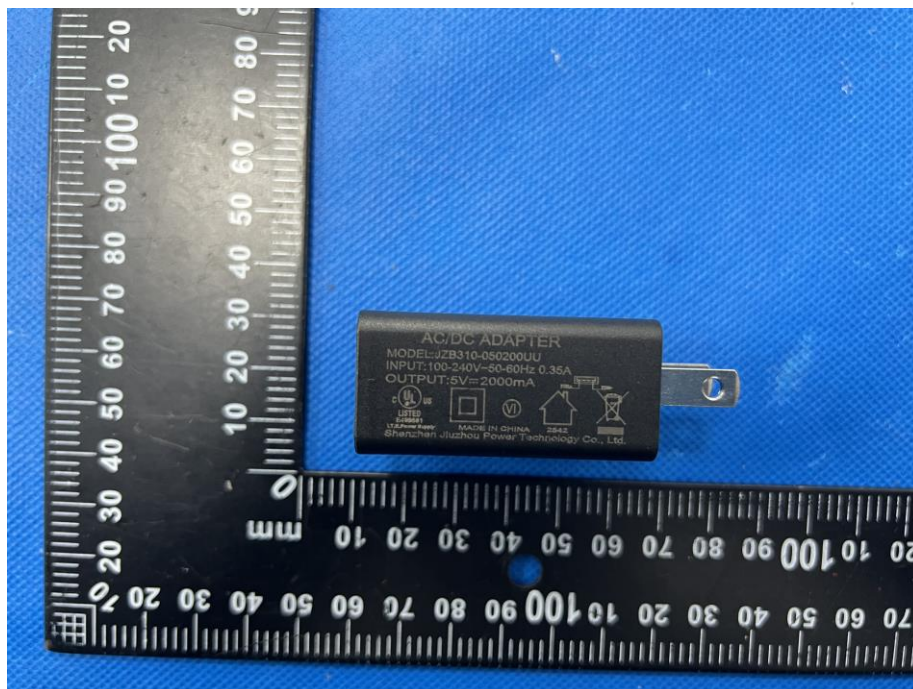
Bluetooth Device Address: E6:5B:90:11:E8:01
Meet the requirements.

14. EUT Photographs

EUT Photo 1



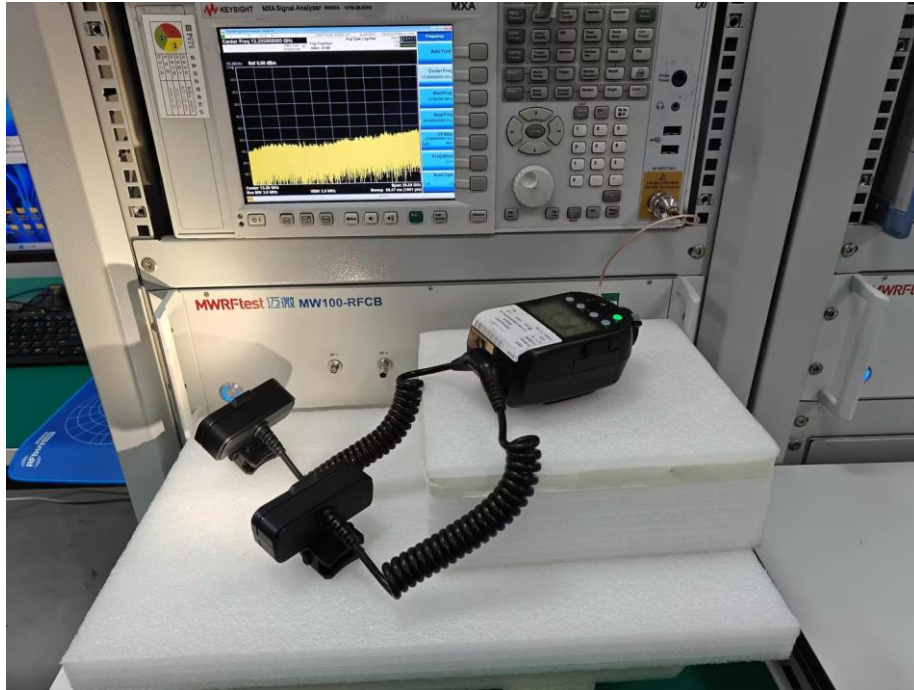
EUT Photo 2



NOTE: Appendix-Photographs Of EUT Constructional Details.

15. EUT Test Setup Photographs

Measurement Photos



STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC17025.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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***** END *****