

JAPAN MIC TEST REPORT

Report Reference No. : BG26010701RF01

Compiled by

(printed name+signature)..... : Ruhin Huang



Reviewed by

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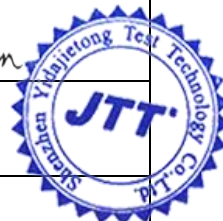
Approved by

(printed name+signature)..... : Chris Tian



Date of test..... : Jan. 30, 2026 ~ Mar. 10, 2026

Date of issue : Mar. 11, 2026


Testing Laboratory Name : Shenzhen Yidajietong Test Technology Co., Ltd.

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Applicant's name : Marson Technology Co., Ltd.

Address : 9F., No.108-1, Min Chuan Rd., Hsin-Tien District., New Taipei City
23141, Taiwan (R.O.C.)

Manufacturer : Marson Technology Co., Ltd.

Address : 9F., No.108-1, Min Chuan Rd., Hsin-Tien District., New Taipei City
23141, Taiwan (R.O.C.)

Standard : MIC Notice No.88
Radio Law of Japan item 8 of Article 2 paragraph 1
Test item description : UHF/2D Wireless Scanner

Trade Mark..... : /

Model/Type reference : MT859UHF-J

List Model..... : /

Operation Frequency : From 916.8 MHz to 923.4 MHz

Rating..... : DC 3.7 V by battery

Hardware version : Rev 02

Software version : AM4-w-1.00.T1.BTB

Result : PASS

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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Revision History

Revision	Issue Date	Revisions	Revised By
V0	Mar. 11, 2026	Initial released Issue	Ruhin Huang

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Description	UHF/2D Wireless Scanner
Model/Type reference:	MT859UHF-J
List Model:	/
Input voltage	DC 3.7 V by battery
Radio Type	RFID
Type of Modulation	ASK
Support Technical	UHF
Frequency Range	916.8 – 923.4 MHz
Rated Power	250 mW
Antenna Type	Ceramic antenna
Antenna Gain	0.28 dBi
Antenna Number	1

Note: This EUT is equipped with a built-in RFID module and Bluetooth module, and the Bluetooth module has obtained the TELEC certificate (Certificate number: 201-230318).

1.2 System Test Configuration

1.2.1 Channel List

Unit radio channel number	Center frequency (MHz)	Unit radio channel number	Center frequency (MHz)
5	916.8	29	921.6
11	918.0	30	921.8
17	919.2	31	922.0
23	920.4	32	922.2
24	920.6	33	922.4
25	920.8	34	922.6
26	921.0	35	922.8
27	921.2	36	923.0
28	921.4	37	923.2
		38	923.4

Note: Three channels (916.8MHz, 921.6 MHz, 923.4 MHz) were selected for this test.

1.2.2 EUT Exercise Software

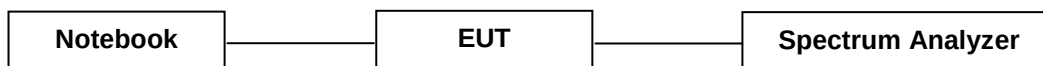
ATcom.exe

Note: During the test, the AT commands provided by the customer were used to control the channel. The power level was set to default and not controlled by AT commands.

1.2.3 Support Equipment

Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	Thinkpad E14 Gen 2	SL11B03772

1.2.4 Block Diagram of Configuration



1.2.5 Test Voltage

The EUT is equipped with an ETA1090 chip for voltage regulation. It boosts the voltage supplied by the battery to 5V for the UHF module, and controls the output voltage fluctuation within $\pm 1\%$. So exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

1.2.6 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 15 ~ 35°C
- Humidity: 45 ~ 75%
- Atmospheric pressure: 86-106 kPa
- Normal voltage: DC 3.7V
- High voltage: DC 4.07V
- Low voltage: DC 3.33V

1.2.7 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

1.2.8 Special Accessories

Not available for this EUT intended for grant.

1.3 Summary of Test Results

MIC Notice No.88 Radio Law of Japan item 6 of Article 2 paragraph 1	Description of Test	Test result
	Tolerance of frequency	PASS
	Tolerance of occupied bandwidth	PASS
	Tolerance of spurious and unwanted emission intensity	PASS
	Antenna power	PASS
	Tolerance of adjacent channel leakage power	PASS
	Limit of secondary radiated emissions	PASS
	Carrier sense function	PASS
	Construction Protection Confirmation	PASS

Note:

Pass: The EUT complies with the essential requirements in the standard.

1.4 List of Test and Measurement Instruments

Equipment	Manufacturer	Model No.	Equipment No.	Last Cal.	Cal. Interval
Spectrum Analyzer	Agilent	N9020A	A0209003	2026.02.03	1 Year
Vector Signal Generator	Agilent	E4438C	MY49071560	2026.02.03	1 Year

Note:

Base on Article 24-2, Paragraph 4, Item 2 of the Radio Law:

(c) Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1). For all equipment in the above table, the calibration company is CCIC (Shenzhen) Metrology & Testing Service Co., Ltd.

1.5 Measurement Uncertainty

Uncertainty	
Parameter	Uncertainty
Radio frequency	± 0.12 ppm
Occupied Channel Bandwidth	± 142.12 kHz
RF power conducted	± 0.74 dB
RF power density test	± 1.28 dB
Spurious emissions, conducted	± 1.78 dB
Humidity	$\pm 4.6\%$
Temperature	$\pm 0.7^{\circ}\text{C}$
Time	$\pm 1.25\%$

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

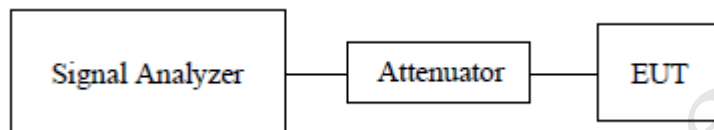
2. Tolerance of frequency

2.1 Limit

It shall be within 20×10^{-6} .

2.2 Test Procedures

Measurement System Diagram



Conditions of Application Equipment (EUT)

- Set the application equipment (EUT) to the measurement frequency.
- The modulation state shall be "continuous carrier wave without modulation"

Spectrum Analyzer Conditions:

Frequency	:	Frequency to be measured
Span	:	300kHz
RBW	:	10kHz
VBW	:	30kHz
Sweep Time	:	Auto
Log scale	:	10dB/Div, Data points: 1001 points (400 points or more)
Detector Mode	:	Positive Peak
Display Mode	:	Max Hold

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

2.3 Test Data

Temperature	21.5°C	Humidity	54%RH
ATM Pressure	101.1kPa	Antenna Gain	0.28 dBi
Test by	Ruhin Huang	Test result	PASS

Please refer to following tables.

Condition	Frequency (MHz)	Antenna	Measured frequency (MHz)	Deviation (ppm)	Limit(ppm)
NVNT	916.8	Ant1	916.8006	0.65	±20
NVNT	921.6	Ant1	921.6009	0.98	±20
NVNT	923.4	Ant1	923.4003	0.32	±20

Please refer to recording the spectrum plots.



Freq. Error NVNT 916.8MHz



Freq. Error NVNT 921.6MHz





Freq. Error NVNT 923.4MHz



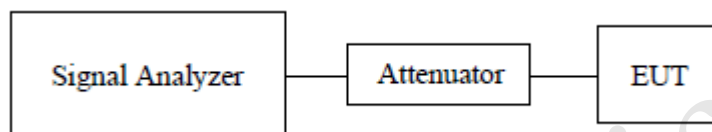
3. Tolerance of occupied bandwidth

3.1 Limit

≤200 kHz for Occupied frequency bandwidth

3.2 Test Procedure

Measurement System Diagram



Conditions of Application Equipment (EUT)

- Set the application equipment (EUT) to the measurement frequency.
- Transmitting with modulation.

Spectrum Analyzer Conditions:

Frequency : Frequency to be measured
 Span : 2 to 3.5 times the occupied bandwidth
 RBW : 3 kHz (Below 3% of the occupied bandwidth)
 VBW : Same as the RBW
 Sweep Time : Auto
 Log scale : 10dB/Div, Data points: 1001 points (400 points or more)
 Detector Mode : Positive Peak
 Display Mode : Max Hold

3.3 Test Data

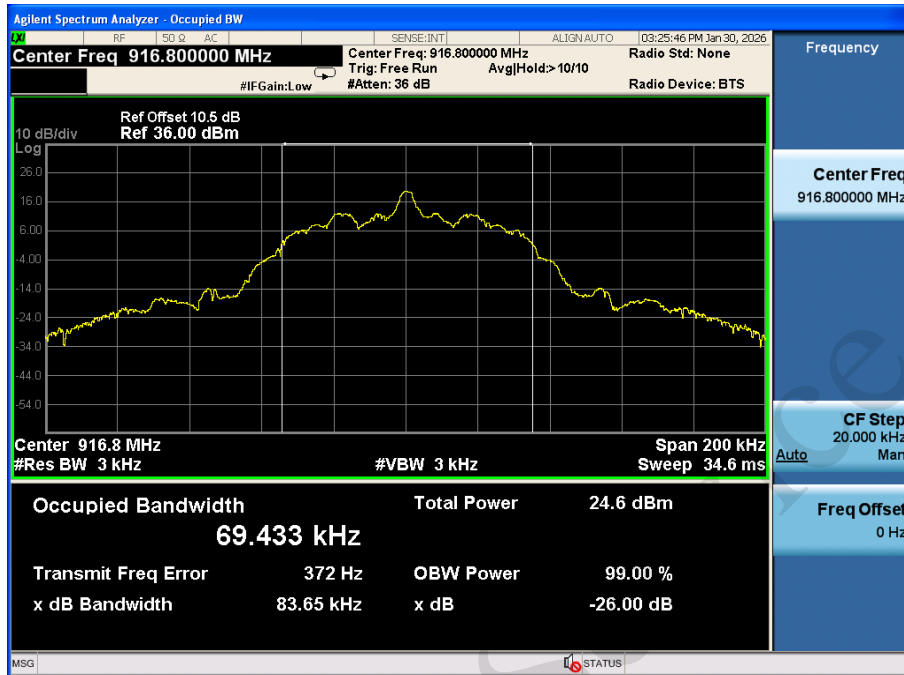
Temperature	21.5℃	Humidity	54%RH
ATM Pressure	101.1kPa	Antenna Gain	0.2dBi
Test by	Ruhin Huang	Test result	PASS

Please refer to following tables.

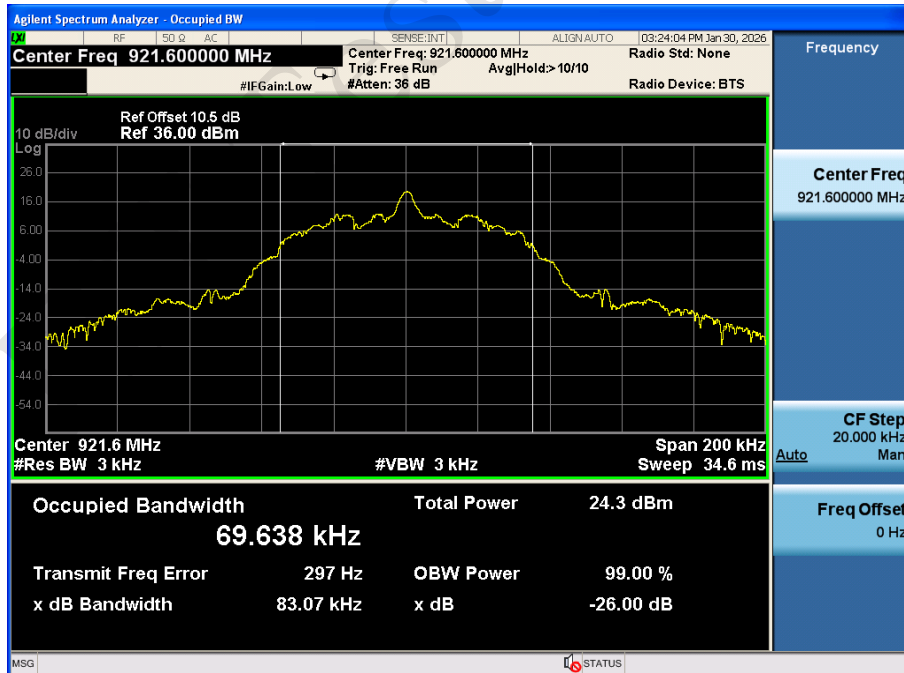
Condition	Frequency (MHz)	99% OBW (kHz)	Limit (kHz)
NVNT	916.8	69.433	≤200
NVNT	921.6	69.638	≤200
NVNT	923.4	69.312	≤200



OBW NVNT 916.8MHz Ant1



OBW NVNT 921.6MHz Ant1





OBW NVNT 923.4MHz Ant1



4. Tolerance of spurious and unwanted emission intensity

4.1 Limit

Frequency band	Permissible Value for Spurious Emission / Unwanted Emission Intensity (average power)	Reference bandwidth
$f \leq 710 \text{ MHz}$	-36 dBm	100 kHz
$710 \text{ MHz} < f \leq 900 \text{ MHz}$	-55 dBm	1 MHz
$900 \text{ MHz} < f \leq 915 \text{ MHz}$	-55 dBm	100 kHz
$915 \text{ MHz} < f \leq 915.7 \text{ MHz}$ and $923.5 \text{ MHz} < f \leq 930 \text{ MHz}$	-36 dBm	100 kHz
$915.7 \text{ MHz} < f \leq 923.5 \text{ MHz}$ (except for $ f-f_c \leq 100 \times (n+1) \text{ kHz}$)	-29 dBm	100 kHz
$930 \text{ MHz} < f \leq 1000 \text{ MHz}$	-55 dBm	100 kHz
$1000 \text{ MHz} < f \leq 1215 \text{ MHz}$	-45 dBm	1 MHz
$1215 \text{ MHz} < f$	-30 dBm	1 MHz

Note: n is the number of unit channels used simultaneously in one radio channel.

4.2 Test Procedure

Measurement System Diagram



Conditions of Application Equipment (EUT)

- Set the application equipment (EUT) to the measurement frequency.
- Transmitting with modulation.

Spectrum Analyzer Conditions:

- Frequency : Frequency to be measured
 $f \leq 710 \text{ MHz}$, RBW=100 kHz
 $710 \text{ MHz} < f \leq 900 \text{ MHz}$, RBW=1 MHz
 $900 \text{ MHz} < f \leq 915 \text{ MHz}$, RBW=100 kHz
- RBW : $915 \text{ MHz} < f \leq 915.7 \text{ MHz}$, RBW=100 kHz
 $923.5 \text{ MHz} < f \leq 930 \text{ MHz}$, RBW=100 kHz
 $930 \text{ MHz} < f \leq 1000 \text{ MHz}$, RBW=100 kHz
 $1000 \text{ MHz} < f \leq 1215 \text{ MHz}$, RBW=1 MHz
 $1.215 \text{ GHz} < f$, RBW=1 MHz
- VBW : Same as the RBW
- Sweep Time : Auto
- Log scale : 10dB/Div, Data points: 1001 points (400 points or more)
- Detector Mode : Positive Peak
- Sweep Mode : Single sweep
- Display Mode : Max Hold

4.3 Test Data

Temperature	21.6℃	Humidity	55%RH
ATM Pressure	101.1kPa	Antenna Gain	0.28 dBi
Test by	Ruhin Huang	Test result	PASS

Please refer to following table and plots.

916.8 MHz:

Condition	Frequency band (MHz)	Value for Spurious Emission		Limit
		Frequency(MHz)	Value(dBm)	
NVNT	30 MHz $\leq f \leq$ 710 MHz	587.60	-66.69	-36 dBm / 100 kHz
NVNT	710 MHz $< f \leq$ 900 MHz	793.98	-57.10	-55 dBm / 1 MHz
NVNT	900 MHz $< f \leq$ 915 MHz	913.87	-55.67	-55 dBm / 100 kHz
NVNT	915 MHz $< f \leq$ 915.7 MHz	915.22	-54.46	-36 dBm / 100 kHz
NVNT	923.5 MHz $< f \leq$ 930 MHz	924.10	-63.35	-36 dBm / 100 kHz
NVNT	930 MHz $< f \leq$ 1000 MHz	931.61	-64.86	-55 dBm / 100 kHz
NVNT	1000 MHz $< f \leq$ 1215 MHz	1066.44	-57.20	-45 dBm / 1 MHz
NVNT	1215 MHz $< f$	4776.68	-56.76	-30 dBm / 1 MHz

921.6 MHz:

Condition	Frequency band (MHz)	Value for Spurious Emission		Limit
		Frequency(MHz)	Value(dBm)	
NVNT	30 MHz $\leq f \leq$ 710 MHz	673.28	-66.69	-36 dBm / 100 kHz
NVNT	710 MHz $< f \leq$ 900 MHz	897.91	-57.10	-55 dBm / 1 MHz
NVNT	900 MHz $< f \leq$ 915 MHz	906.69	-63.00	-55 dBm / 100 kHz
NVNT	915 MHz $< f \leq$ 915.7 MHz	915.60	-58.43	-36 dBm / 100 kHz
NVNT	923.5 MHz $< f \leq$ 930 MHz	924.58	-54.76	-36 dBm / 100 kHz
NVNT	930 MHz $< f \leq$ 1000 MHz	933.50	-64.20	-55 dBm / 100 kHz
NVNT	1000 MHz $< f \leq$ 1215 MHz	1191.78	-57.67	-45 dBm / 1 MHz
NVNT	1215 MHz $< f$	4943.22	-56.65	-30 dBm / 1 MHz

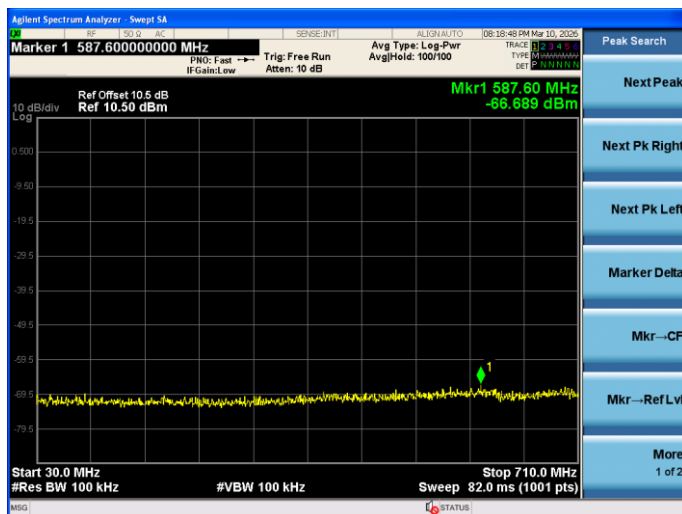
923.4 MHz:

Condition	Frequency band (MHz)	Value for Spurious Emission		Limit
		Frequency(MHz)	Value(dBm)	
NVNT	30 MHz $\leq f \leq$ 710 MHz	692.32	-66.49	-36 dBm / 100 kHz
NVNT	710 MHz $< f \leq$ 900 MHz	794.55	-56.98	-55 dBm / 1 MHz
NVNT	900 MHz $< f \leq$ 915 MHz	911.52	-62.38	-55 dBm / 100 kHz
NVNT	915 MHz $< f \leq$ 915.7 MHz	915.47	-63.91	-36 dBm / 100 kHz
NVNT	923.5 MHz $< f \leq$ 930 MHz	923.62	-52.06	-36 dBm / 100 kHz
NVNT	930 MHz $< f \leq$ 1000 MHz	935.39	-62.39	-55 dBm / 100 kHz
NVNT	1000 MHz $< f \leq$ 1215 MHz	1182.10	-57.01	-45 dBm / 1 MHz
NVNT	1215 MHz $< f$	2411.06	-56.26	-30 dBm / 1 MHz

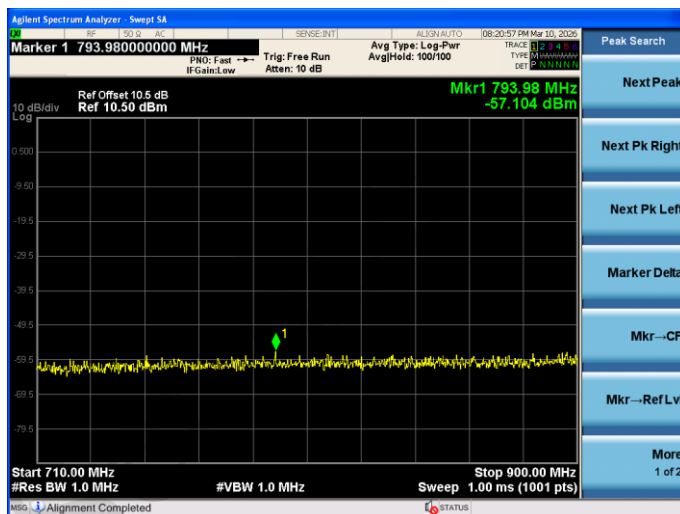
Note:

1) The waveform images are shown on the following page.

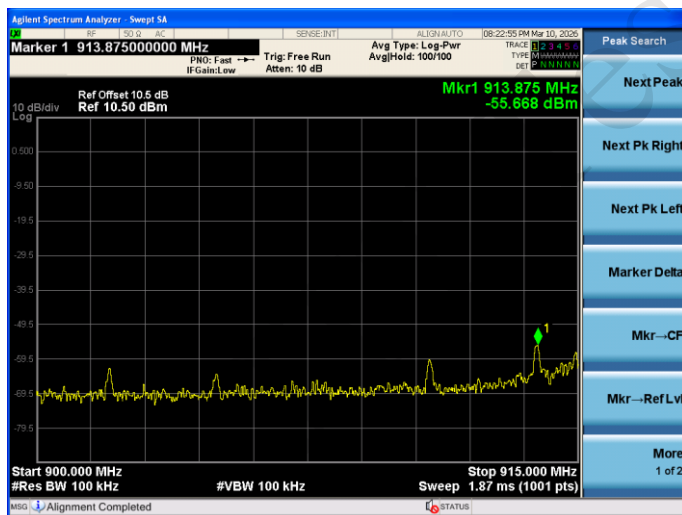
Tx. Spurious NVNT 916.8 MHz Ant1 @ 30MHz-710MHz



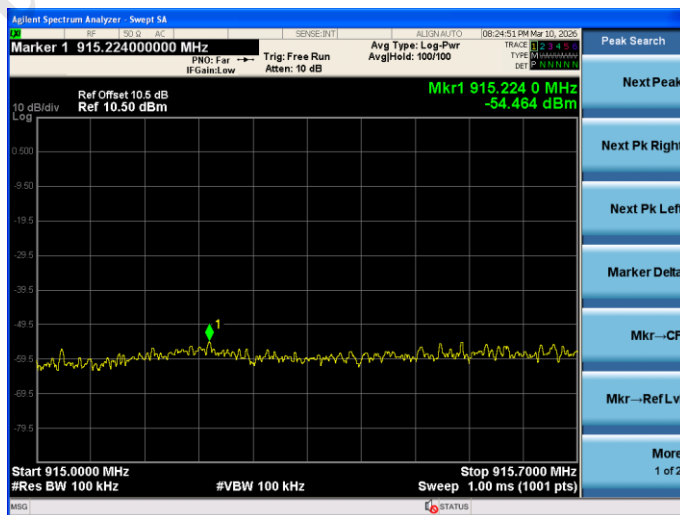
Tx. Spurious NVNT 916.8 MHz Ant1 @ 710MHz-900MHz



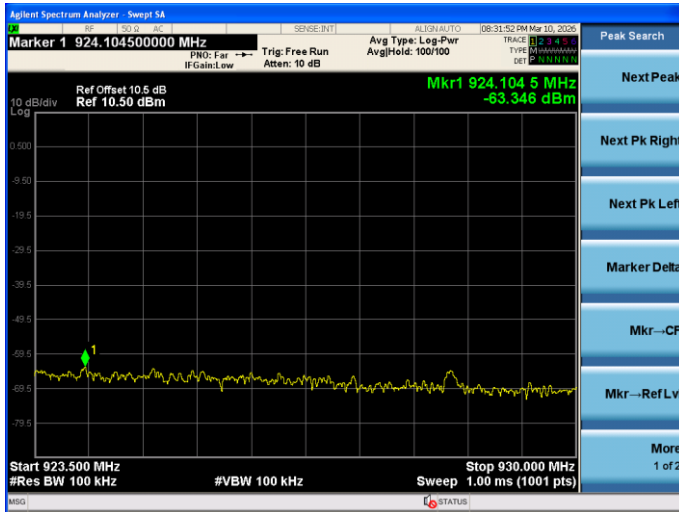
Tx. Spurious NVNT 916.8 MHz Ant1 @ 900MHz-915MHz



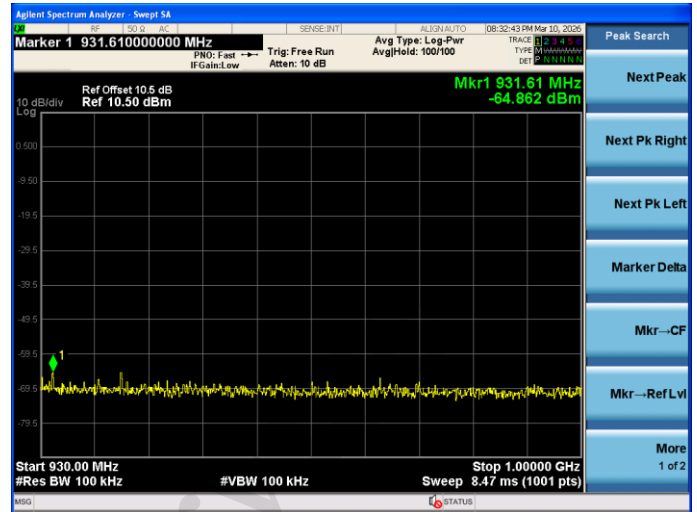
Tx. Spurious NVNT 916.8 MHz Ant1 @ 915MHz-915.7MHz



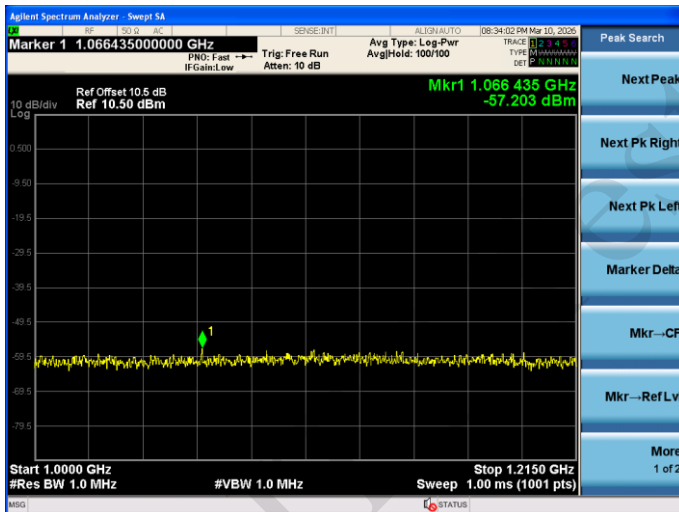
Tx. Spurious NVNT 916.8 MHz Ant1 @ 923.5MHz-930MHz



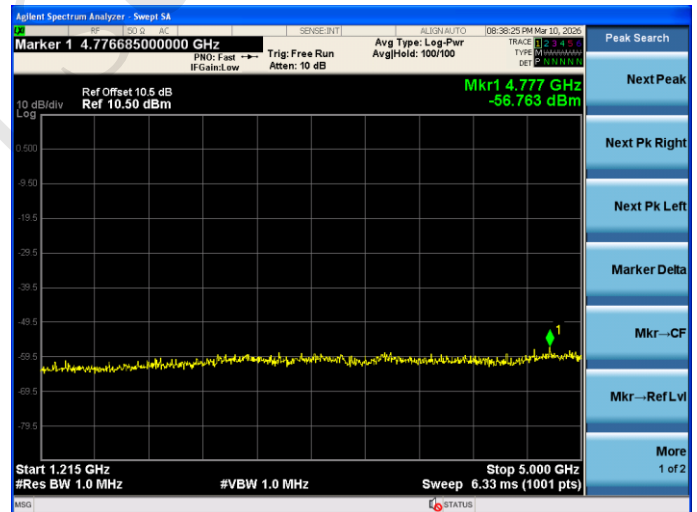
Tx. Spurious NVNT 916.8 MHz Ant1 @ 930MHz-1000MHz



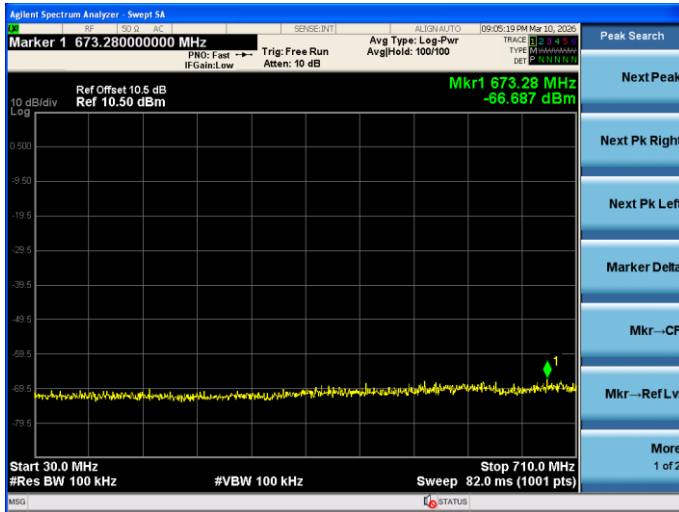
Tx. Spurious NVNT 916.8 MHz Ant1 @ 1000MHz-1215MHz



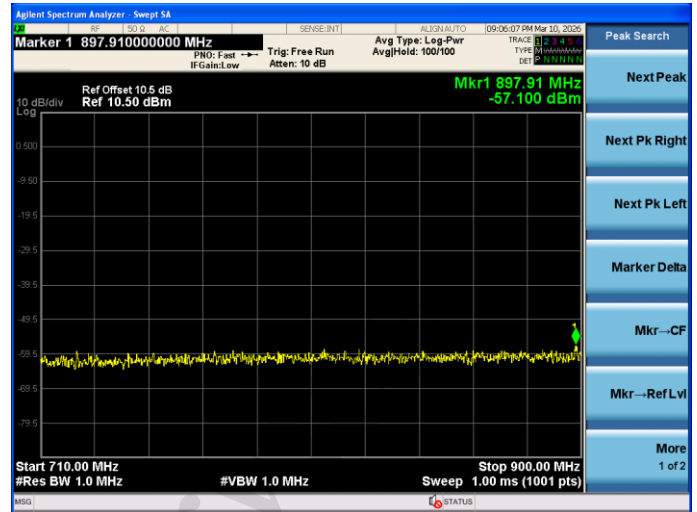
Tx. Spurious NVNT 916.8 MHz Ant1 @ 1.215GHz-5GHz



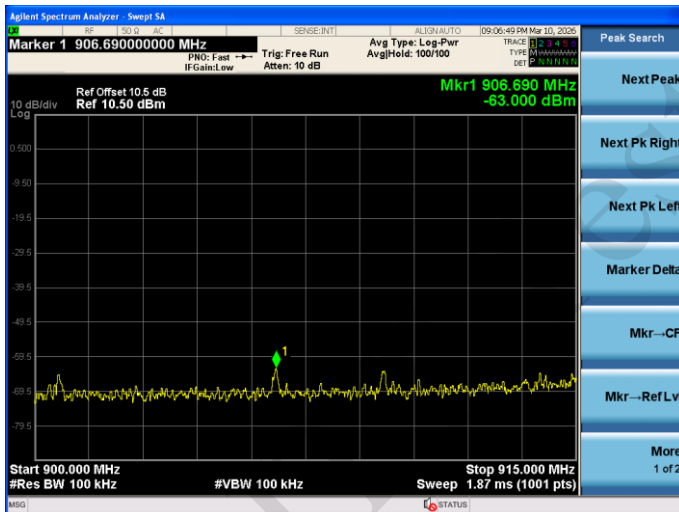
Tx. Spurious NVNT 921.6MHz Ant1 @ 30MHz-710MHz



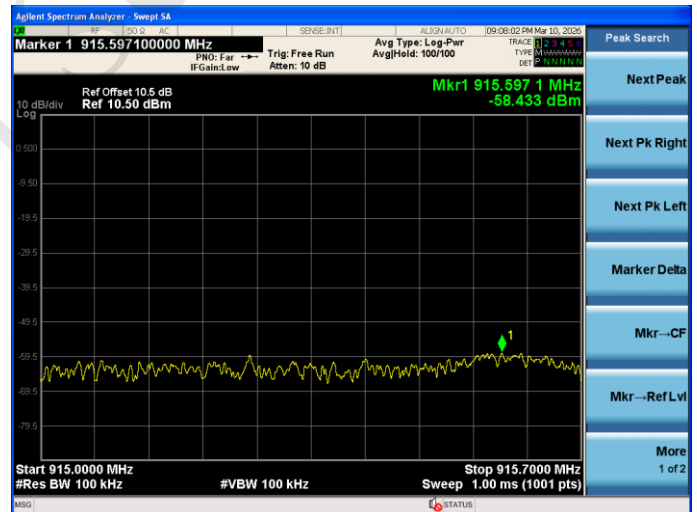
Tx. Spurious NVNT 921.6MHz Ant1 @ 710MHz-900MHz



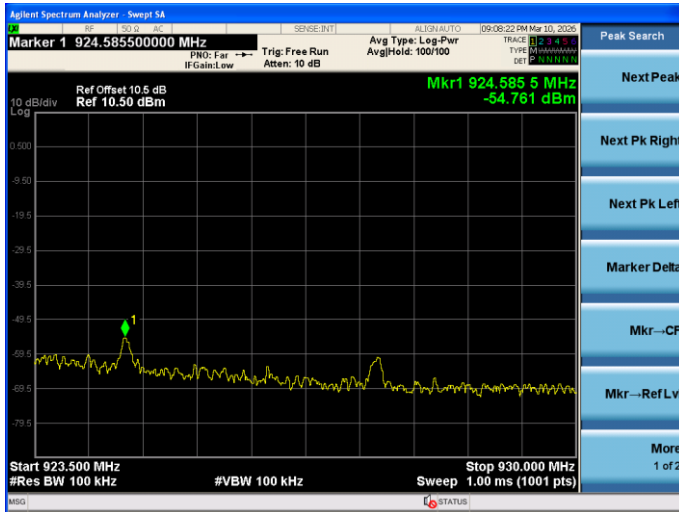
Tx. Spurious NVNT 921.6MHz Ant1 @ 900MHz-915MHz



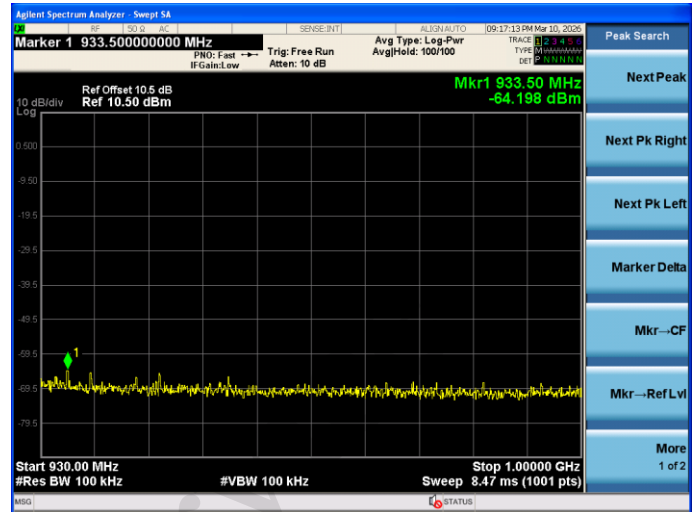
Tx. Spurious NVNT 921.6MHz Ant1 @ 915MHz-915.7MHz



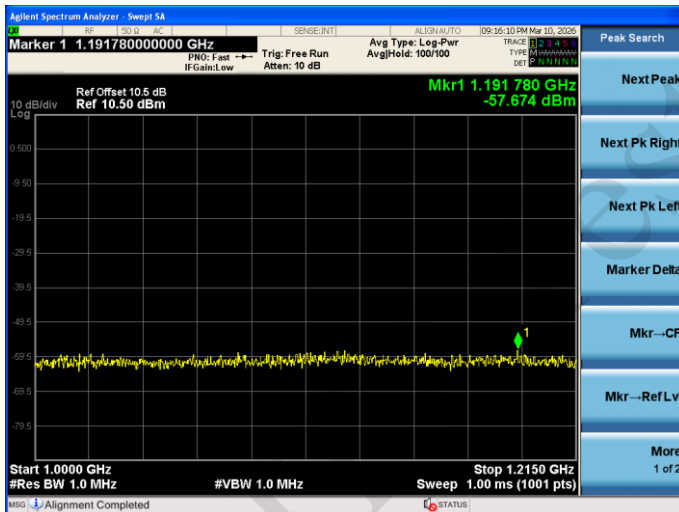
Tx. Spurious NVNT 921.6MHz Ant1 @ 923.5MHz-930MHz



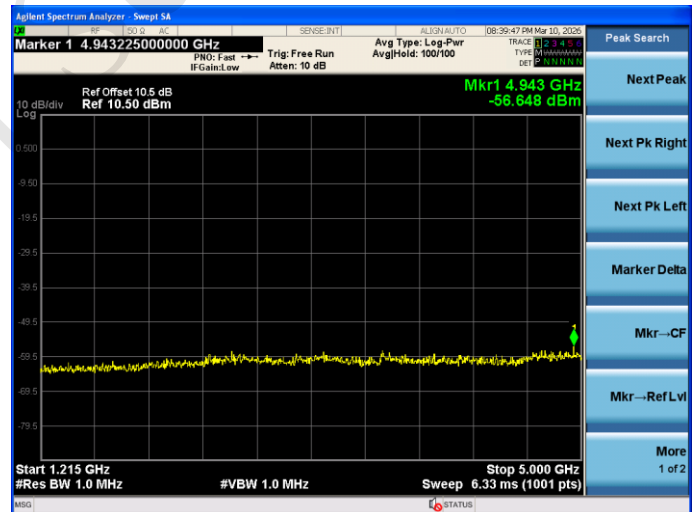
Tx. Spurious NVNT 921.6MHz Ant1 @ 930MHz-1000MHz



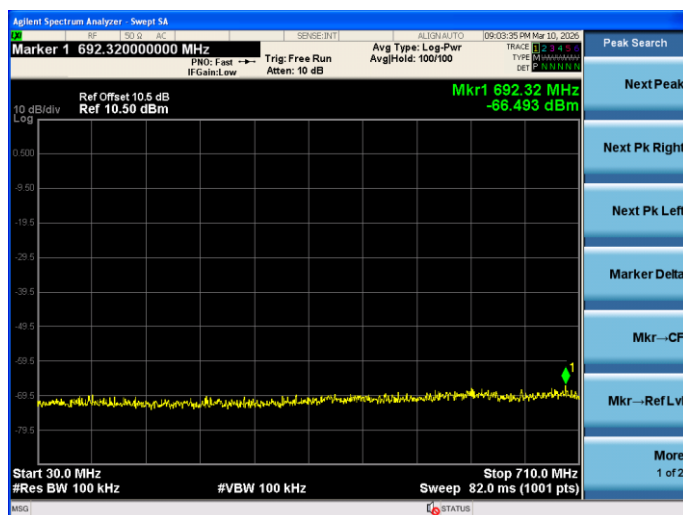
Tx. Spurious NVNT 921.6MHz Ant1 @ 1000MHz-1215MHz



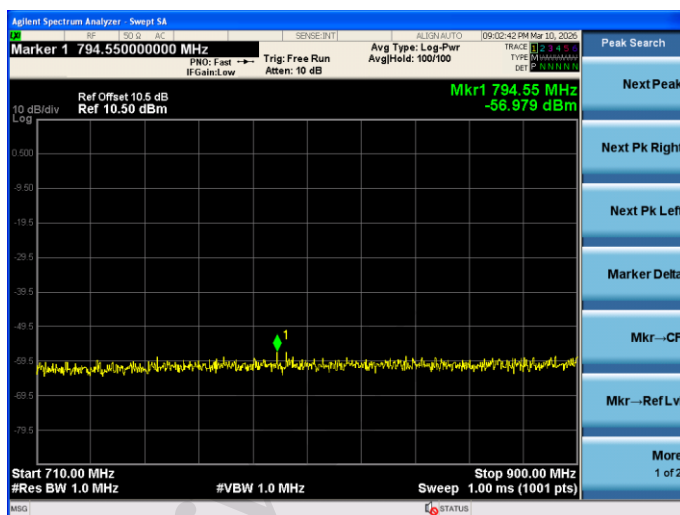
Tx. Spurious NVNT 921.6MHz Ant1 @ 1.215GHz-5GHz



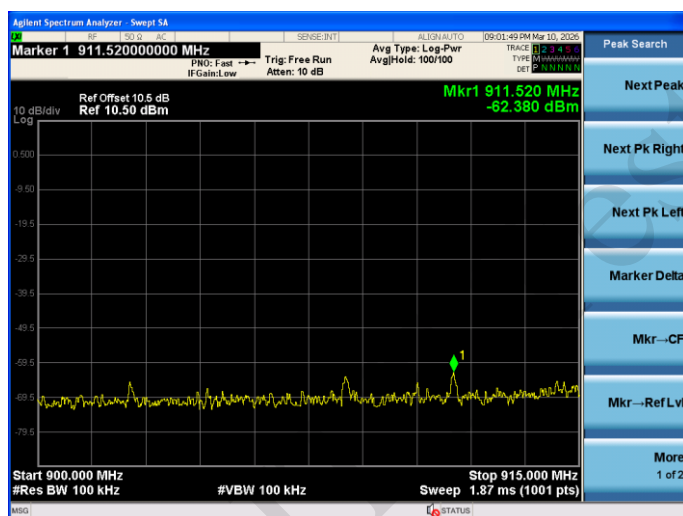
Tx. Spurious NVNT 923.4MHz Ant1 @ 30MHz-710MHz



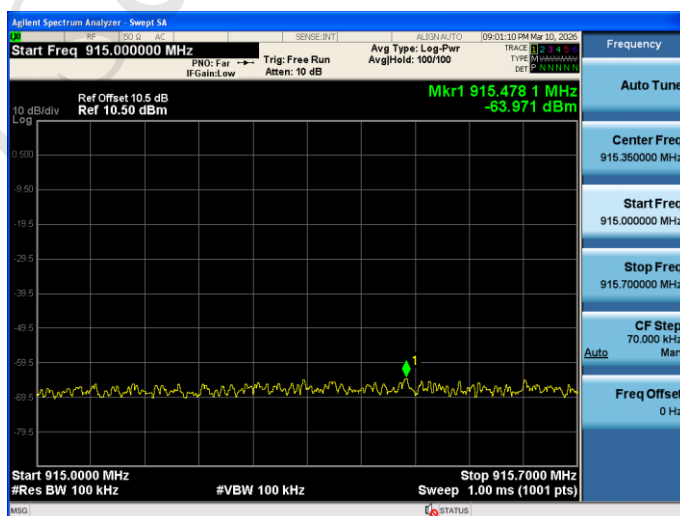
Tx. Spurious NVNT 923.4MHz Ant1 @ 710MHz-900MHz



Tx. Spurious NVNT 923.4MHz Ant1 @ 900MHz-915MHz



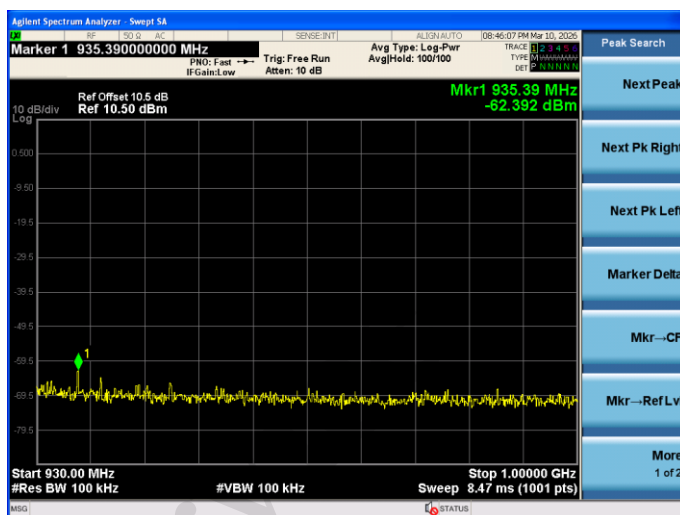
Tx. Spurious NVNT 923.4MHz Ant1 @ 915MHz-915.7MHz



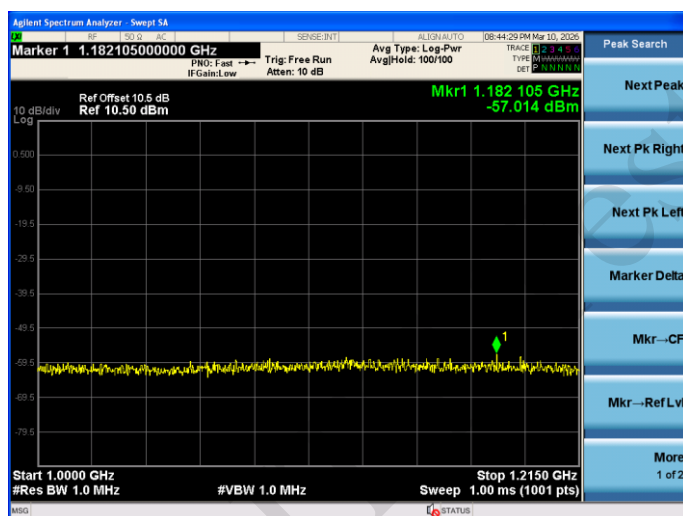
Tx. Spurious NVNT 923.4MHz Ant1 @ 923.5MHz-930MHz



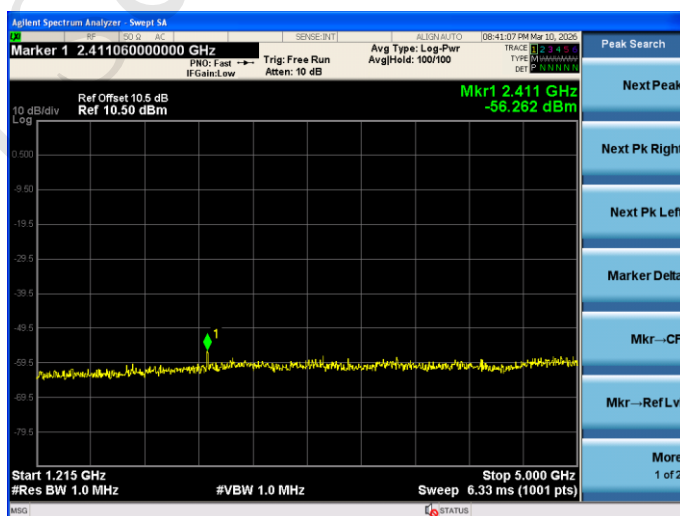
Tx. Spurious NVNT 923.4MHz Ant1 @ 930MHz-1000MHz



Tx. Spurious NVNT 923.4MHz Ant1 @ 1000MHz-1215MHz



Tx. Spurious NVNT 923.4MHz Ant1 @ 1.215GHz-5GHz



5. Antenna power

5.1 Limit

Antenna power: It shall be 250mW or less

However, in case radio equipment is packaged in a case which cannot be opened easily and EIRP(*) is less than 27dBm (the value of 3dBi plus 250mW of antenna power), it is allowed to increase antenna power but it shall be 500mW or less

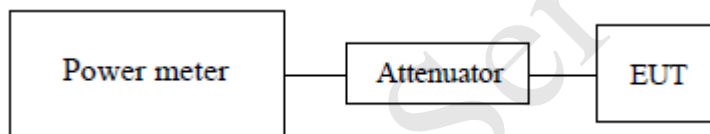
Tolerance for antenna power: +20%, -80%

Antenna gain: 3dBi or less (absolute gain)

However, in case EIRP is less than 27dBm (the value of 3dBi plus 250mW of antenna power), it is allowed to fill in the gap by the antenna gain.

5.2 Test Procedure

Measurement System Diagram



Conditions of Application Equipment (EUT)

- Set the application equipment (EUT) to the measurement frequency.
- Transmitting with modulation.
- Measure the total power by Power Meter in a state of hopping mode or non-hopping mode (with Average Sensor)
- Record the value in the report and calculate the tolerance of the output power.

5.3 Test Data

Temperature	21.7℃	Humidity	56%RH
ATM Pressure	101.1kPa	Antenna Gain	0.28 dBi
Test by	Ruhin Huang	Test result	PASS

Please refer to following table and plots.

Frequency (MHz)	Antenna	Antenna power (dBm)	Antenna Power (W)	Declared Power (W)	Tolerance (%)	Antenna power tolerance (%)
916.8	Ant1	20.16	0.1038	0.1585	-34.51	-80 ~ +20
921.6	Ant1	19.91	0.0979	0.1585	-38.23	-80 ~ +20
923.4	Ant1	19.86	0.0968	0.1585	-38.93	-80 ~ +20

Note:

- 1) Antenna power tolerance = (Antenna power – declared power) / declared power * 100%
- 2) The maximum antenna gain is 0.28 dBi.

3) The antennas of this product do not support synchronous transmission.

Frequency (MHz)	Antenna	Antenna power (dBm)	Limit (dBm)	EIRP (dBm)	Limit (dBm)
916.8	Ant1	20.16	24	20.44	27
921.6	Ant1	19.91	24	20.19	27
923.4	Ant1	19.86	24	20.14	27

Note:

1) EIRP = Antenna power + Max Antenna Gain (dBi)

6. Tolerance of adjacent channel leakage power

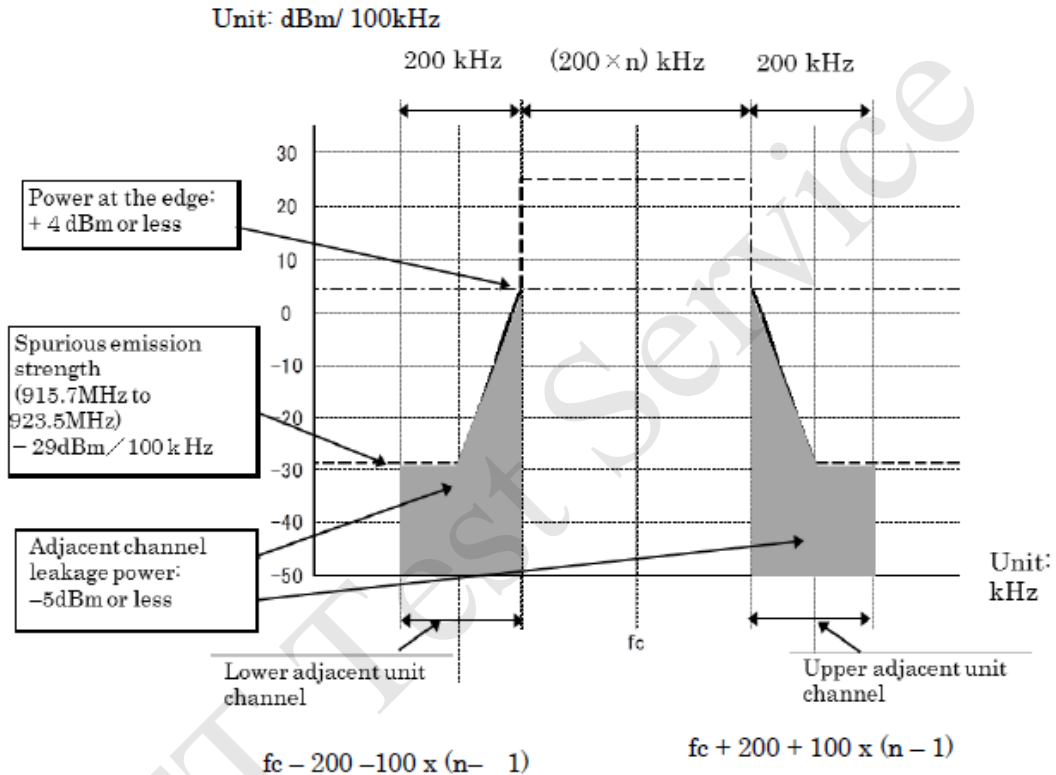
6.1 Limit

A. Spectral power at the both edges of a radio channel

It shall be +4dBm or less.

B. Leakage power in a unit radio channel adjacent to a radio channel (200 kHz) from a transmitter.

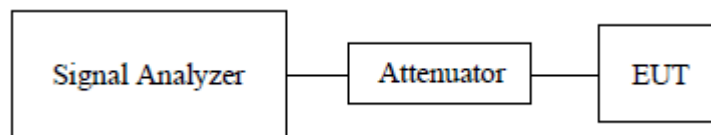
It shall be -5dBm or less, respectively.



Note: Center frequency is one of frequencies shown in channel list, where n is the number of unit radio channels constructing one radio channel for simultaneous use. n = 1, 2, 3, 4, 5)

6.2 Test Procedure

Measurement System Diagram



Conditions of Application Equipment (EUT)

- Set the application equipment (EUT) to the measurement frequency.
- Transmitting with modulation.

Spectrum Analyzer Conditions:

Frequency : Frequency to be measured
 Integ BW : 200 kHz
 RBW : 10 kHz
 VBW : Same as the RBW
 Sweep Time : Auto
 Log scale : 10dB/Div, Data points: 1001 points (400 points or more)
 Detector Mode : Positive Peak
 Display Mode : Max Hold

6.3 Test Data

Temperature	21.3℃	Humidity	54%RH
ATM Pressure	101.1kPa	Antenna Gain	0.28 dBi
Test by	Ruhin Huang	Test result	PASS

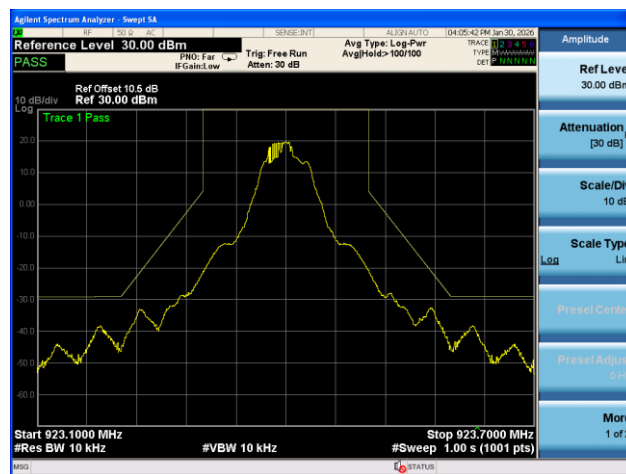
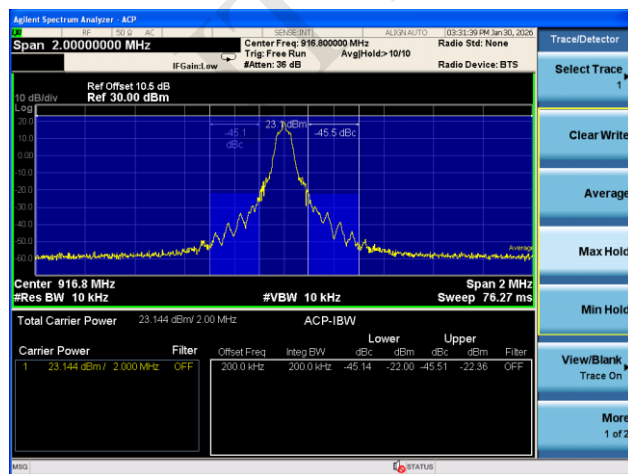
Please refer to following table and plots.

Condition	Adjacent Channel	Frequency			Limit (dBm)
		916.8 MHz	921.6 MHz	923.4 MHz	
NVNT	Lower	-22.00 dBm	-22.60 dBm	-22.71 dBm	≤-5
NVNT	Upper	-22.36 dBm	-22.59 dBm	-22.57 dBm	≤-5

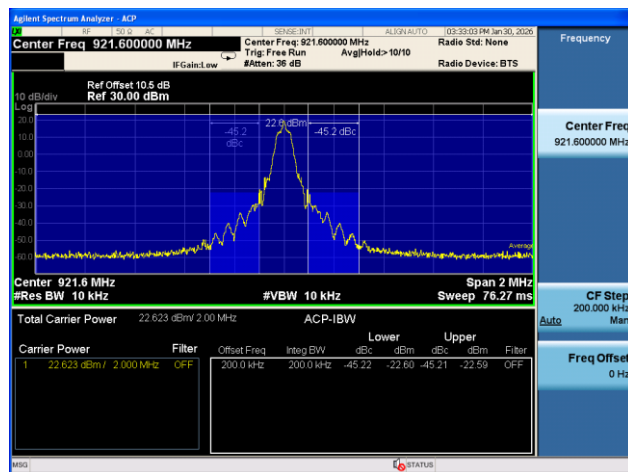
Note: Please refer to the test images below.

Ant1:

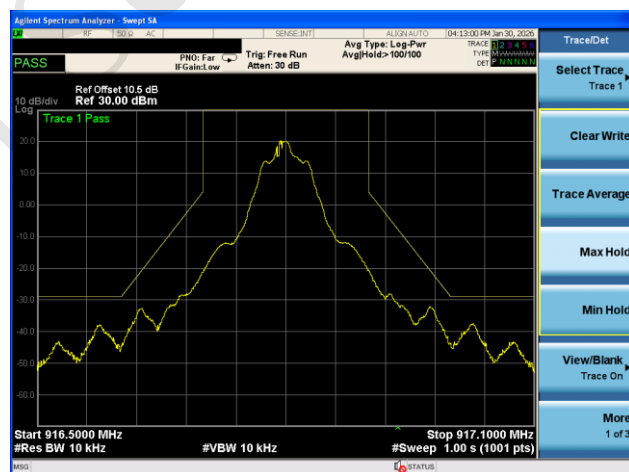
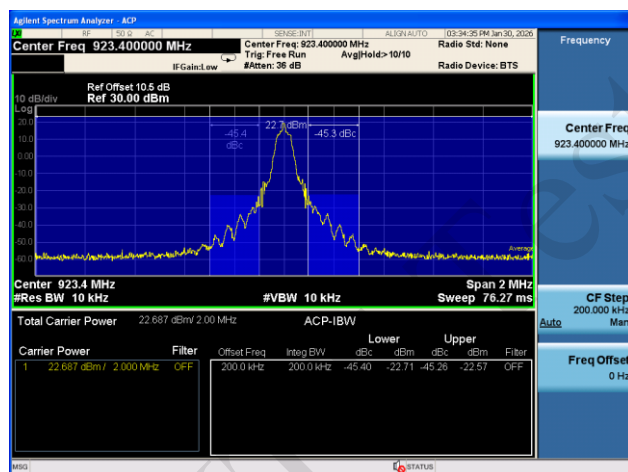
916.8 MHz:



921.6 MHz:



923.4 MHz:



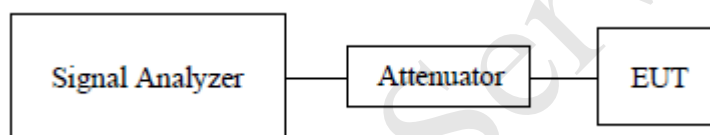
7. Limit of secondary radiated emissions

7.1 Limit

Frequency band	Limit on Secondary Radiated Emissions, etc. (Antenna input)	Reference bandwidth
$f \leq 710 \text{ MHz}$	-54 dBm	100 kHz
$710 \text{ MHz} < f \leq 900 \text{ MHz}$	-55 dBm	1 MHz
$900 \text{ MHz} < f \leq 915 \text{ MHz}$	-55 dBm	100 kHz
$915 \text{ MHz} < f \leq 930 \text{ MHz}$	-54 dBm	100 kHz
$930 \text{ MHz} < f \leq 1000 \text{ MHz}$	-55 dBm	100 kHz
$1000 \text{ MHz} < f$	-47 dBm	1 MHz

7.2 Test Procedure

Measurement System Diagram



Conditions of Application Equipment (EUT)

- The modulation state shall be "continuous receiving mode".

Spectrum Analyzer Conditions:

Frequency : Frequency to be measured
 $f \leq 710 \text{ MHz}$, RBW=100 kHz
 $710 \text{ MHz} < f \leq 900 \text{ MHz}$, RBW=1 MHz
 $900 \text{ MHz} < f \leq 915 \text{ MHz}$, RBW=100 kHz
 RBW : $915 \text{ MHz} < f \leq 930 \text{ MHz}$, RBW=100 kHz
 $930 \text{ MHz} < f \leq 1000 \text{ MHz}$, RBW=100 kHz
 $1000 \text{ MHz} < f \leq 1215 \text{ MHz}$, RBW=1 MHz
 $1.215 \text{ GHz} < f$, RBW=1 MHz
 VBW : Same as the RBW
 Sweep Time : Auto
 Log scale : 10dB/Div, Data points: 1001 points (400 points or more)
 Detector Mode : Positive Peak
 Sweep Mode : Single sweep
 Display Mode : Max Hold

7.3 Test Data

Temperature	21.4℃	Humidity	53%RH
ATM Pressure	101.1kPa	Antenna Gain	0.28 dBi
Test by	Ruhin Huang	Test result	PASS

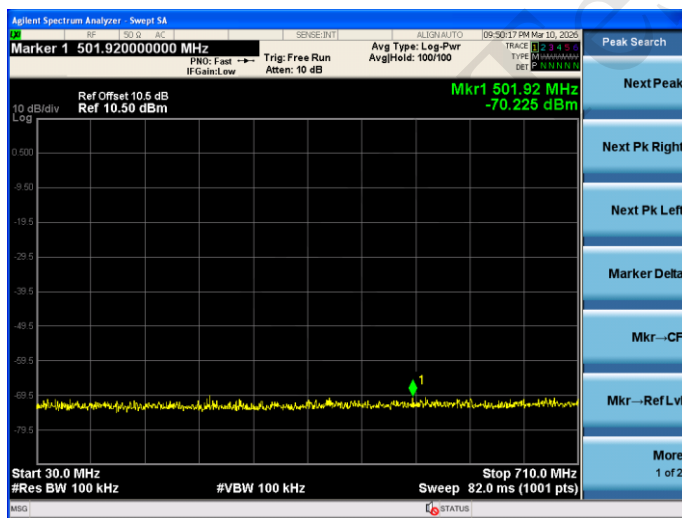
Please refer to following table and plots.

(The following data only reflects the results of Channel 1, which has the worst performance)

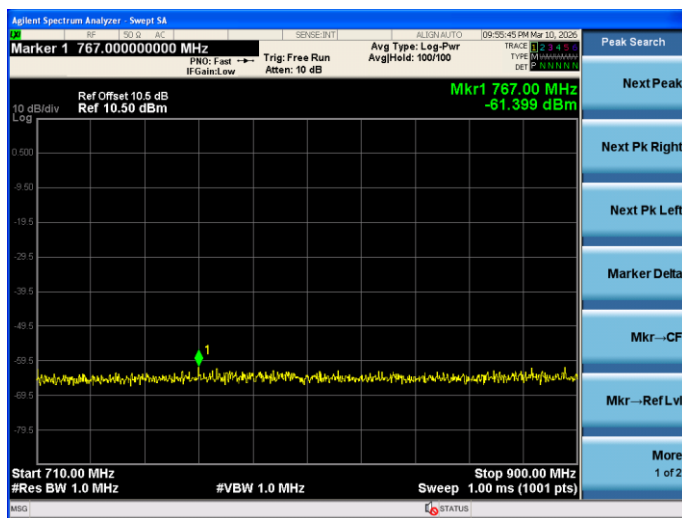
Condition	Frequency band	Frequency (MHz)	Value (dBm)	Limit
NVNT	30 MHz $\leq f \leq$ 710 MHz	501.92	-70.23	-54 dBm / 100 kHz
NVNT	710 MHz $< f \leq$ 900 MHz	767.00	-61.40	-55 dBm / 1 MHz
NVNT	900 MHz $< f \leq$ 915 MHz	909.69	-71.35	-55 dBm / 100 kHz
NVNT	915 MHz $< f \leq$ 930 MHz	926.35	-71.66	-54 dBm / 100 kHz
NVNT	930 MHz $< f \leq$ 1000 MHz	999.93	-70.81	-55 dBm / 100 kHz
NVNT	1000 MHz $< f$	4908.00	-56.26	-47 dBm / 1 MHz

Note: Ch 1=916.8 MHz

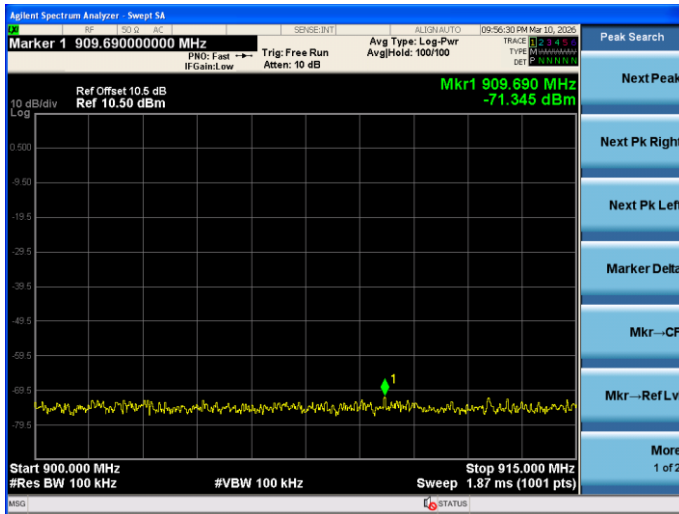
Rx. Spurious NVNT 916.8 MHz Ant1 @ 30MHz-710MHz



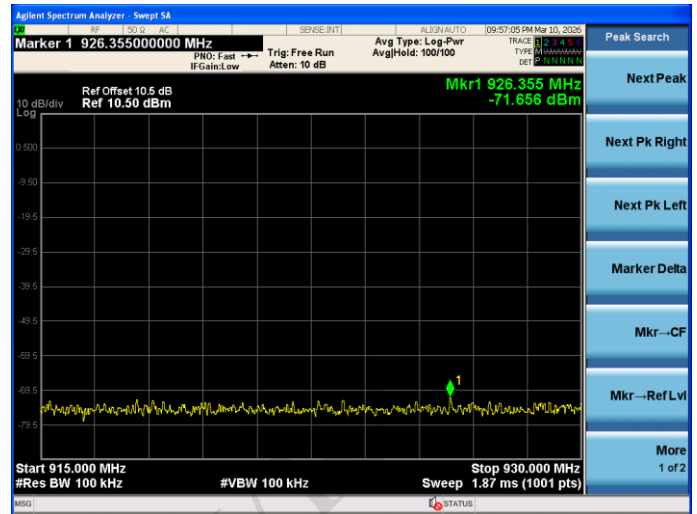
Rx. Spurious NVNT 916.8 MHz Ant1 @ 710MHz-900MHz



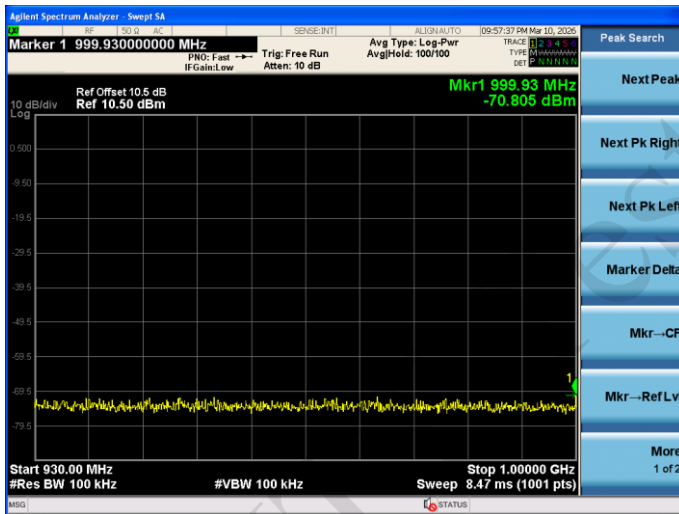
Rx. Spurious NVNT 916.8 MHz Ant1 @ 900MHz-915MHz



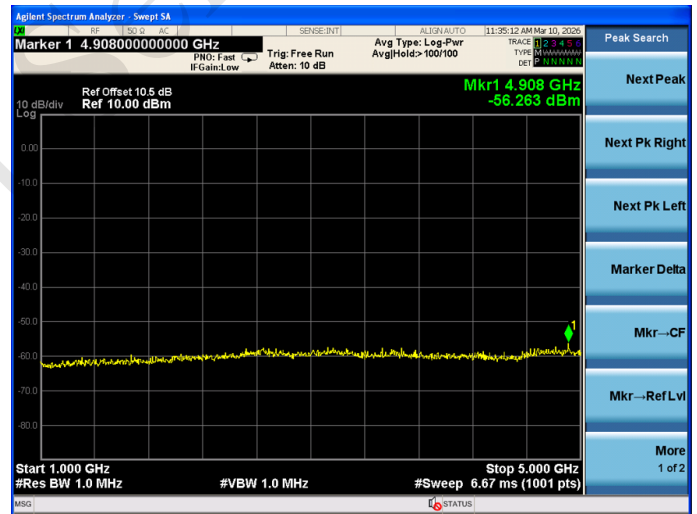
Rx. Spurious NVNT 916.8 MHz Ant1 @ 915MHz-930MHz



Rx. Spurious NVNT 916.8 MHz Ant1 @ 930MHz-1000MHz



Rx. Spurious NVNT 916.8 MHz Ant1 @ 1000MHz-5000MHz



8. Carrier sensing function

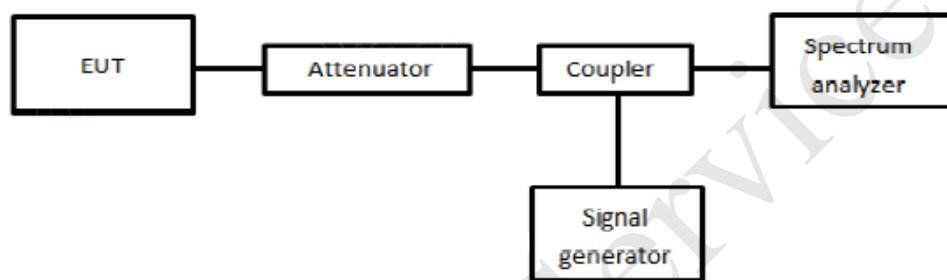
8.1 Limit

Signal level $\leq -74\text{dBm}$

Receive bandwidth: (200 x n) kHz

Judgment time $\geq 5\text{ms}$

8.2 Test Procedure



1. Set the output level of the standard signal generator to the level of the technical standard at the antenna connection terminal of the test equipment.
2. With the output of the standard signal generator turned off, turn on the test equipment for transmission operation, and confirm that the spectrum analyzer emits radio waves.
3. Put the test equipment into the receiving state.
4. With the output of the standard signal generator turned on, turn on the test equipment for transmission operation and confirm that the spectrum analyzer does not emit radio waves.

8.3 Test Data

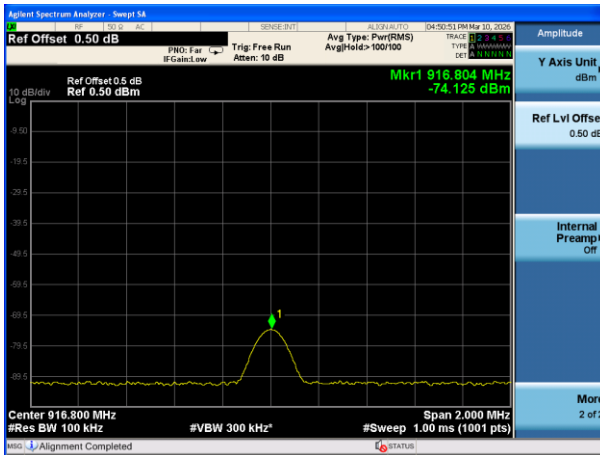
Temperature	22.0°C	Humidity	58%RH
ATM Pressure	101.1kPa	Antenna Gain	0.28 dBi
Test by	Ruhin Huang	Test result	PASS

Test Channel	Lowest Channel	Middle Channel	Highest Channel
Test Results	PASS	PASS	PASS

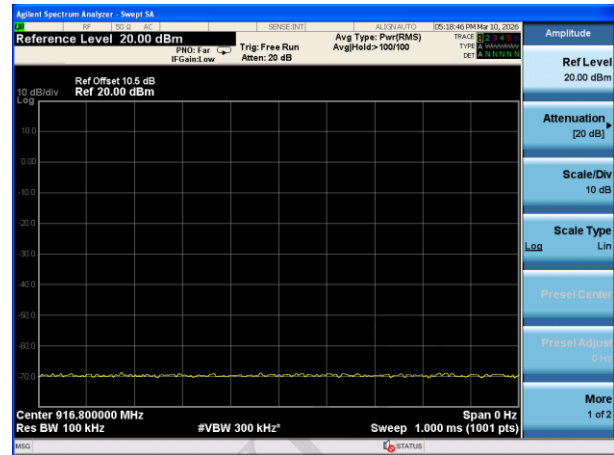
Note: Please refer to the next page for test images.

Test plot as follows:

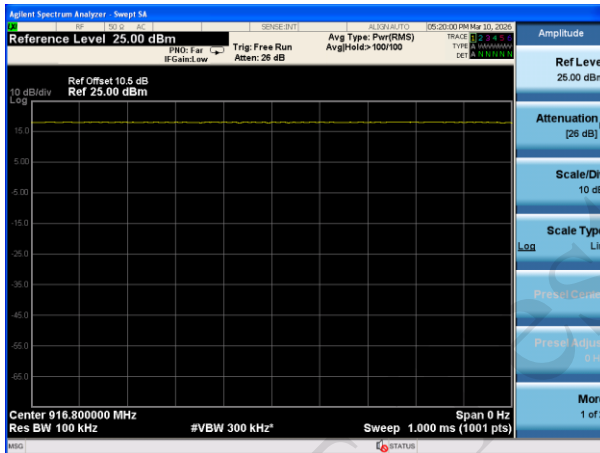
916.8 MHz



SG



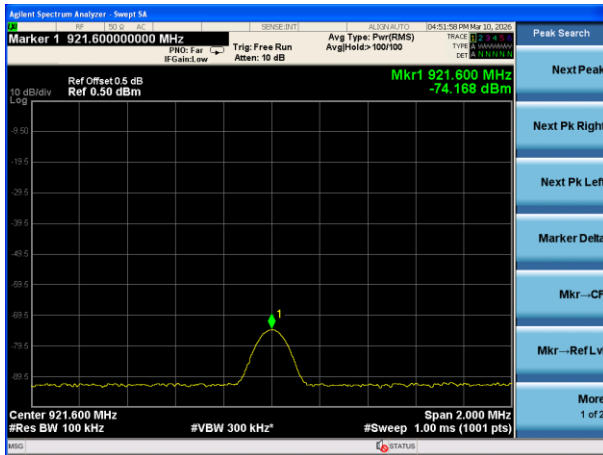
SG-ON



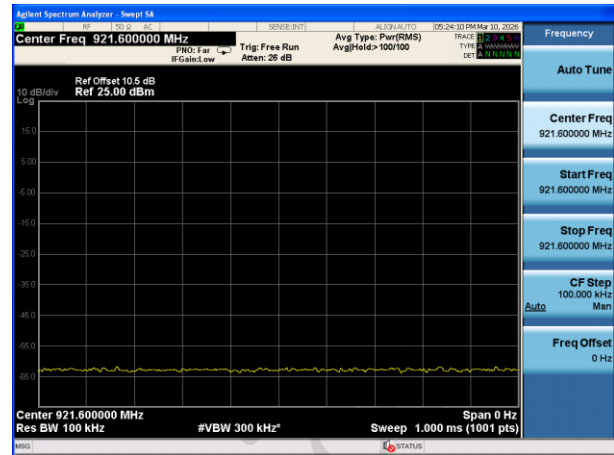
SG-OFF



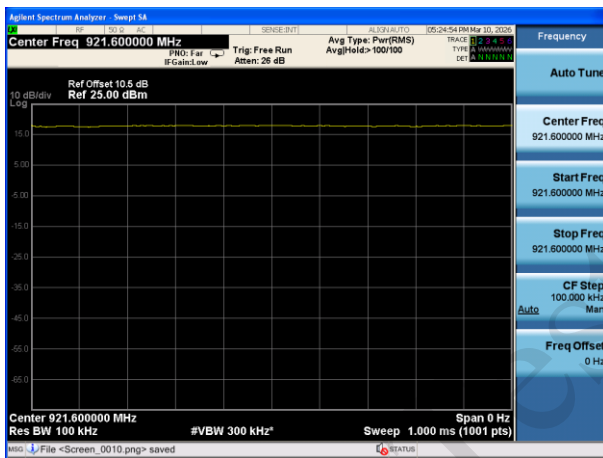
921.6 MHz



SG

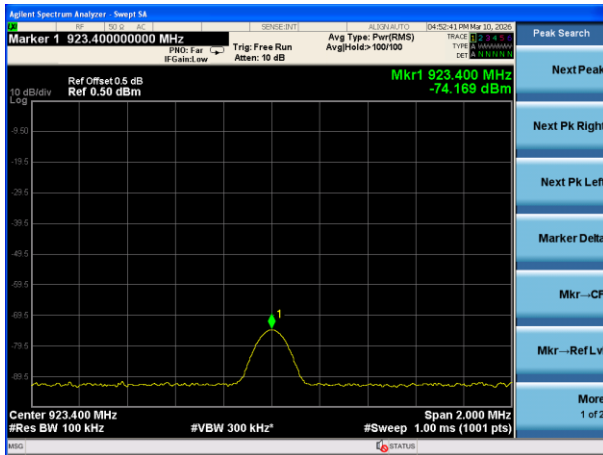


SG-ON

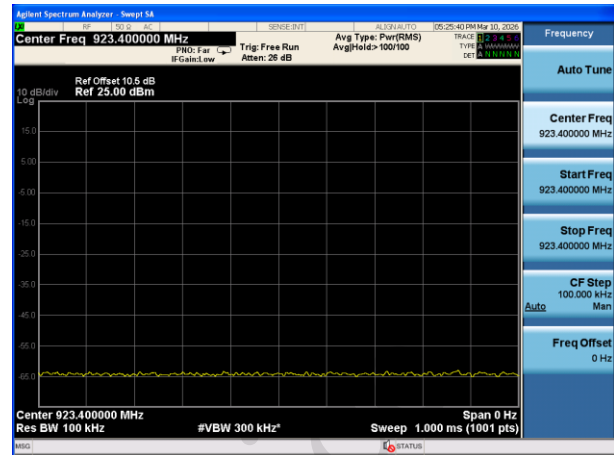


SG-OFF

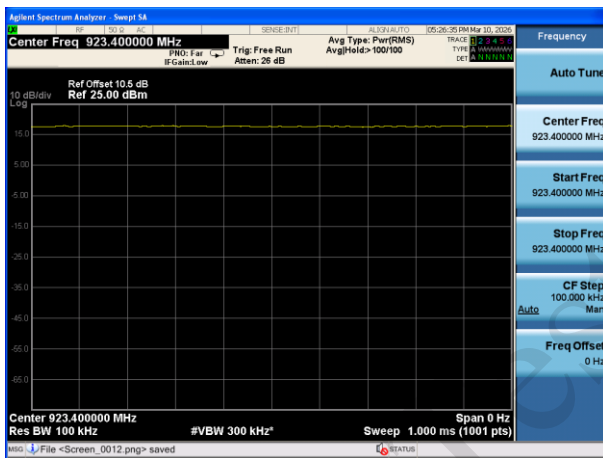
923.4 MHz



SG



SG-ON



SG-OFF

9. Construction Protection Confirmation

9.1 Standard Applicable

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

9.2 Confirmation Method

The enclosure of the EUT is secured with special hexalobular socket screw, and the internal RFID module is enclosed by a metal shielding cover. Please refer to the EUT photos.



*****End of Report*****