



JAPAN TEST REPORT

Report Reference No. : EP26003143M01

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Approved by (name + signature) : Eric Liu

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Testing Laboratory : Dongguan Pubiao Testing Technology Co., Ltd.

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Applicant's name : Wuhan Wuque Technology Co., Ltd

Address : Room 307, Building T5, Guocai Center, East Lake New
Technology Development Zone, Wuhan City, Hubei Province

Manufacturer's name : Dongguan Wuque Precision Technology Co.,Ltd.

Address : No.4,Qiantan Street,Shipai Town,Dongguan City,Guangdong
Province,China

Factory's name..... : Dongguan Wuque Precision Technology Co.,Ltd.

Address..... : No.4,Qiantan Street,Shipai Town,Dongguan City,Guangdong
Province,China



TEST RESULT CERTIFICATION

Applicant:	Wuhan Wuque Technology Co., Ltd
Address:	Room 307, Building T5, Guocai Center, East Lake New Technology Development Zone, Wuhan City, Hubei Province
Manufacturer:	Dongguan Wuque Precision Technology Co.,Ltd.
Address:	No.4,Qiantan Street,Shipai Town,Dongguan City,Guangdong Province,China
Product Name:	NAMA 高級キーボード
Brand Name:	 Wuque Studio
Model Number:	NAMA

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
Article 2, paragraph 1, item 19	PASS

This device described above has been tested by Dongguan Pubiao Testing Technology Co., Ltd, the test results show that the equipment under.

Test (EUT) is in compliance with MIC notification. No.88 of 2004, Annex 43 and Annex 1 requirements. and it is applicable only to the tested sample identified in the report.

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Modified Information

Rev.	Summary	Date of Rev.	Report No.
Ver.1.0	Original Report	2026-04-01	EP2603143M01

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1 EUT TECHNICAL DESCRIPTION

Characteristics	Description
Device Type:	General 2.4G
Modulation:	GFSK
Operating Frequency Range(s):	2402-2480 MHz
Number of Channels:	40 Channels
Rated Antenna power:	2.0 mW
Antenna Type :	PCB Antenna
Antenna Gain:	2.61 dBi
Power supply:	Input: 5VDC 1A Battery: 3.7VDC 4000mAh 14.8Wh
Hardware version:	V2.2
Software version:	V2.0.6
Test software:	RFTest_UBest_2.4G_hopping_boxed
Power level:	default

Note: for more details, please refer to the User's manual of the EUT.

2 SUMMARY OF TEST RESULT

Test Requirement	Test Parameter	Verdict	Remark
Item 19 of Article 2-1	Frequency Error	PASS	
	Occupied Bandwidth	PASS	
	Spreading Bandwidth	PASS	
	Antenna Power And Tolerance, EIRP Power	PASS	
	Spurious emission Intensity	PASS	
	Collateral Emissions of Receiver	PASS	
	Half Power Beam Angle (Radiataion Angle of antenna)	N/A	NOTE 2
	Construction Protection Method	PASS	
	Interference prevention function	PASS	
NOTE 1: N/A (Not Applicable).			
NOTE 2: Not applicable when EIRP less than 12.14dBm.			

3 TEST METHODOLOGY

3.1 ADDRESS OF THE TEST LABORATORY

Dongguan Pubiao Testing Technology Co., Ltd

Room 101, Building 1, No.30, Minghua Road, Shijie, Shijie Town, Dongguan, Guangdong, China.

3.2 MEASUREMENT EQUIPMENT USED

RF Connected Test equipment				
Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
Vector Signal Generator	Agilen	N5182A	MY50142585	2026-05-26
Wideband Radio Communication Tester	ROHDE & SCHWARZ	CMW500	132488-Sz	2026-05-26
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50531325	2026-05-26
DC Power Supper	KEYSIGHT	E3642A	MY41002348	2026-05-26
power meter	MWRFTest	MW100-PSB	MW210914PB-22	2026-05-26

Note: The calibration of the above-mentioned instruments shall be carried out in accordance with Clause C below.

Remark:

(a) Callbration conducted by the National institute of infommation and Communications Technology (NiCT)in Japan (hereinafter referred to as "NICT") or a designated calbration agency under Article 102-18paragraph (1) in JRL.

(b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act(Act No.51 of 1992).

(c) Calilbration conducted in countries except Japan, which shall be equivalent to the calibration conductedby the NiCT or a designated calibration agency under Article102-18 paragraph (1).

(d) Calibration,etc, conducted by using measuring instruments and other equipment listed in the rightcolumn of appended table No.3,which shall have been given any type of calbration, etc. listed abovefrom (a)to (c)

From JRL Article 24 .2, paragraph 4, Item 2 "

3.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

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.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Frequency and Channel list for General 2.4G:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	2420	23	2448	37	2476
10	2422	24	2450	38	2479
11	2424	25	2452	39	2480
12	2426	26	2454		
13	2428	27	2456		

Test Frequency and channel for General 2.4G:

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	19	2440	39	2480

3.4 SUPPORT EQUIPMENT

Item	Equipment	Mfr/Brand	Model/Type No.	Serial Number	Note
1	Fixed-frequency auxiliary board	/	FT232	/	/
2	Notebook	HUAWEI	NbDE-WDH9	WCTPM22406001541	/

3.5 TEST SYSTEM UNCERTAINTY

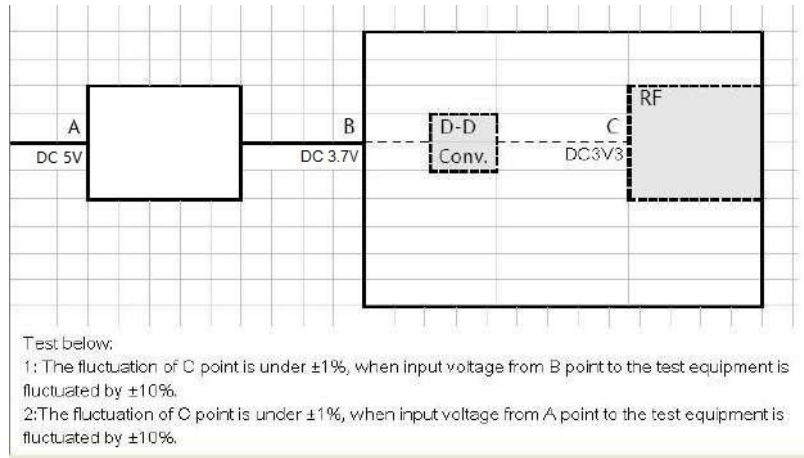
For the test methods, according to the present document, the measurement uncertainty figures shall be calculated in accordance with TR100028-1 [2] and shall correspond to an expansion factor (coverage factor) $K=1.96$ or $K=2$ (which provide confidence levels of respectively 95% and 95.5% in the case where the distributions characterizing the actual m

Parameter	Uncertainty
Frequency error / 99%&90% bandwidth	$\pm 1.62 \times 10^{-6}$
Total RF power, conducted	$\pm 0.8\text{dB}$
Spurious emissions, conducted	$\pm 0.8\text{dB}$
DC and low frequency voltages	$\pm 0.05\%$
Humidity	$\pm 5\%$
Dwell time	$\pm 2\%$
Temperature	$\pm 1^\circ\text{C}$

4 GENERAL INFORMATION

2.1 ENVIRONMENTAL CONDITIONS

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



The 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.

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(V)	3.7	4.07	3.33
RF Chip Input DC Power(V)	3.300	3.310	3.290
Voltage Variation (%)	/	+0.3	-0.3

Note: 1. Voltage Variation (%)

= (RF chip Input high or Low Voltage-RFchip Input Normal Voltage)/RF chip Input Normal Voltage*100.

2. RF chip Input DC power fluctuation is verified at the power input PIN of the RF chip.

When the input supply voltage to the EUT from the external power source is varied by +/- 10%, the 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%, and the DC power fluctuation at the power input PIN of the RF chip is equal to or less than +/-1%.Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

Temperature: 22.0 °C

Humidity: 48.0 % RH

Atmospheric Pressure: 101.1 mbar

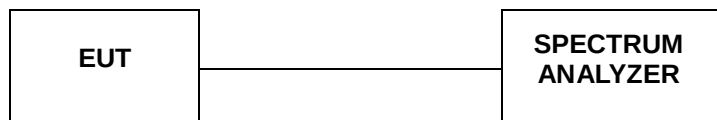
5 TEST REQUIREMENTS

5.1 FREQUENCY ERROR

5.1.1 Conformance Limit

For the 2.4 GHz bands it shall be better than 50 ppm under the operational conditions.

5.1.2 Test Configuration



5.1.3 Test Procedure

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram as TEST CONFIGURATION shows.

EUT Condition: non-modulation

Spectrum Condition:

Frequency: test frequency

Span: 1 MHz

RBW: 10 KHz

VBW: 10 KHz

Sweep time: Auto

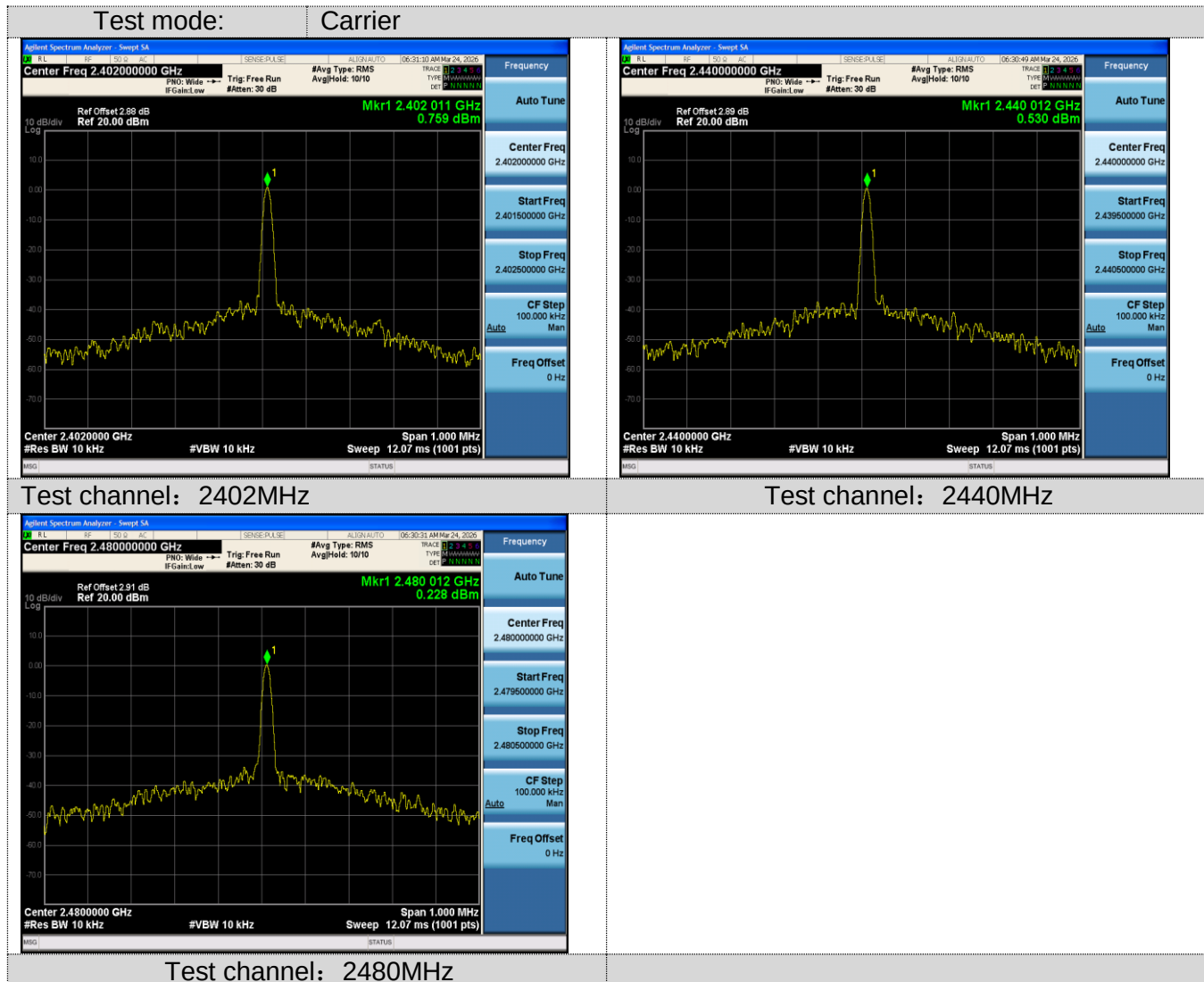
Detector mode: Positive peak

Indication mode: max hold

5.1.4 Test Results

TEST RESULTS

Testvoltage (V)	Frequency (MHz)	Read (MHz)	Deviation (Hz)	Tolerance (ppm)	Limit (ppm)	Result
DC 3.7V	2402.00	2402.011	11000	4.58	±50.00	Pass
	2440.00	2440.012	12000	4.92		
	2480.00	2480.012	12000	4.84		

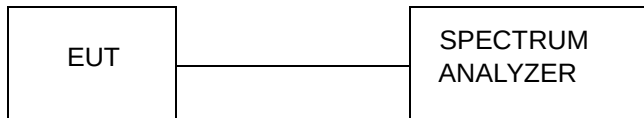


5.2 OCCUPIED BANDWIDTH

5.2.1 Conformance Limit

Permissible value for occupied bandwidth for DSSS & OFDM equipment (Carrier frequencies from 2,400MHz to 2,483.5MHz or from 2,471MHz to 2,497MHz, for all equipment except for 40 MHz channel separation) shall be 26MHz or less.

5.2.2 Test Configuration



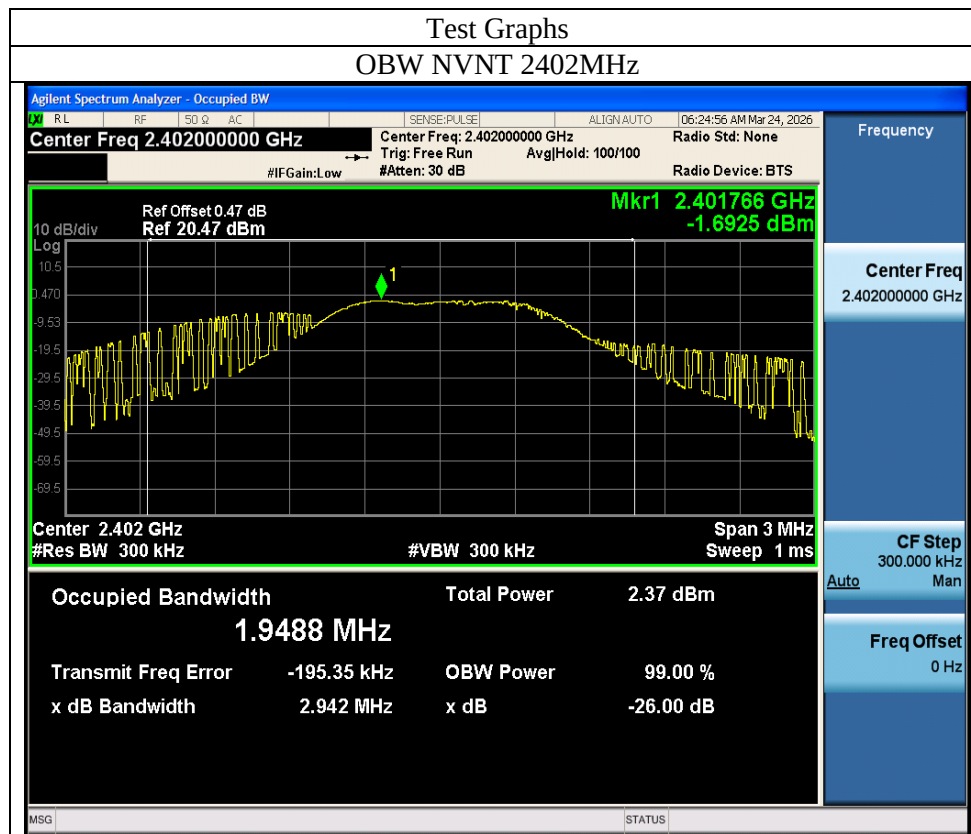
5.2.3 Test Procedure

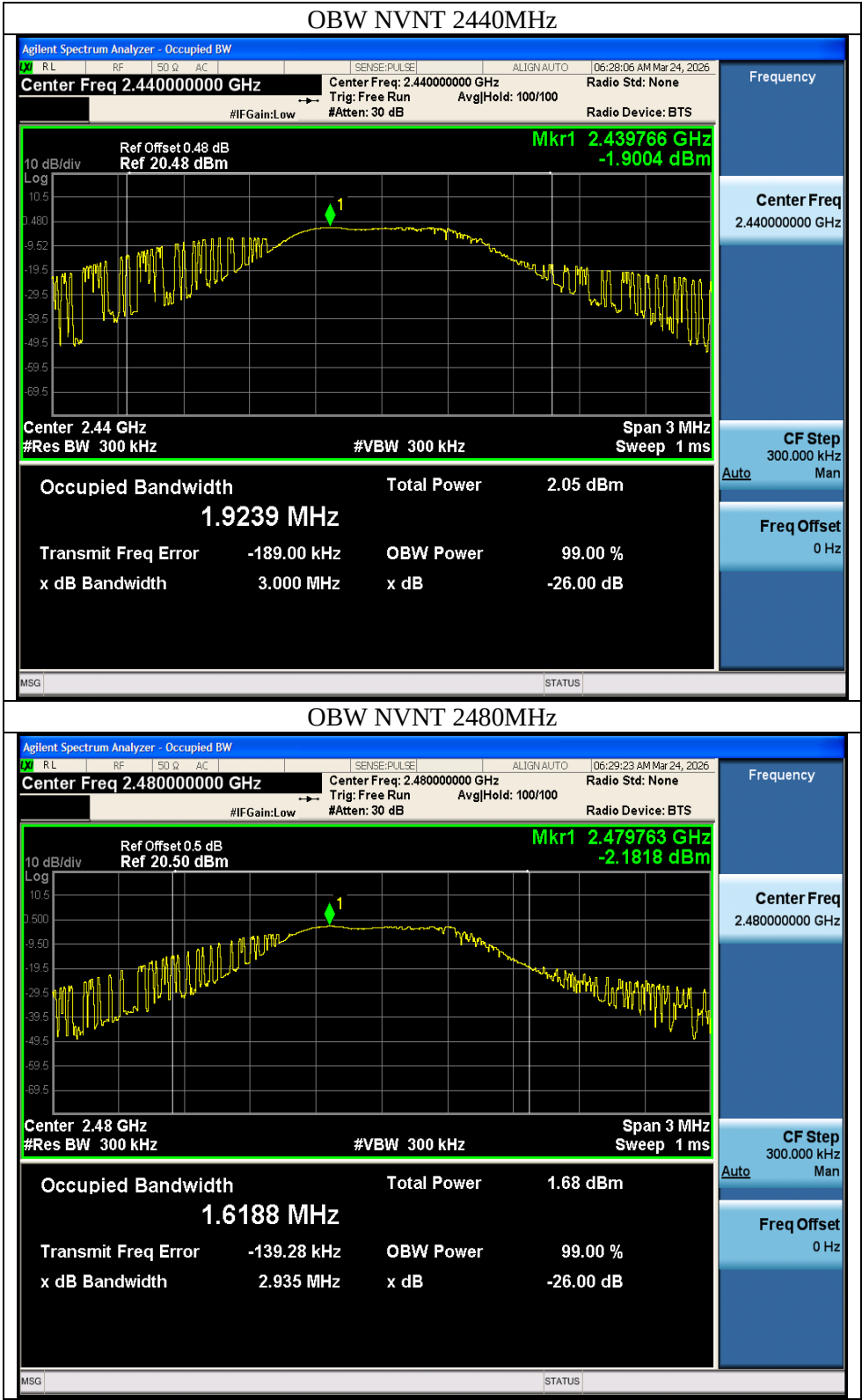
Spectrum analyzer is set as below

Central Frequency	Test frequency
Sweeping Bandwidth	2 to 3.5 times the allowable value (SPAN=3MHz)
Resolution Bandwidth	Lower than 3 % of allowable value (RBW=30kHz)
Video Bandwidth	3 times for Resolution Bandwidth
Y-Axis Scale	10 dB/Div
Input Level	Carrier level is sufficiently higher than spectrum analyzer noise
Sweep Time	Minimum time to assure the measurement accuracy (In case of burst wave, 1 burst per 1 sample)
Sampling points	More than 400 points
Sweep Mode	Consecutive sweep
Phase-Detection Mode	Positive peak
Trigger Condition	Max-hold

5.2.4 Test Results

Modulation Mode	Channel Number	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	0	2402	1.9488	<=26	PASS
	39	2440	1.9239	<=26	PASS
	77	2480	1.6188	<=26	PASS
Note: N/A (Not Applicable)					





5.3 SPREADING BANDWIDTH

5.3.1 Applicable Standard

According to ARIB STD-T66 Clause 3.2(2).(8)

5.3.2 Conformance Limit

In spread spectrum systems, spread bandwidth (which refers to a frequency bandwidth with an upper limit and lower limit such that each of the mean powers radiated above the upper frequency limit and below the lower frequency limit is equal to 5% of the total mean power radiated ,this also applies hereafter) shall be 500kHz or more.

5.3.3 Test Configuration

Test according to clause 6.1 radio frequency test setup 1

5.3.4 Test Procedure

Spectrum analyzer is set as below

Central Frequency	Test frequency
Sweeping Bandwidth	2 to 3.5 times the allowable value (SPAN=3MHz)
Resolution Bandwidth	Lower than 3 % of allowable value (RBW=10kHz)
Video Bandwidth	3 times as Resolution Bandwidth
Y-Axis Scale	10 dB/Div
Input Level	Carrier level is sufficiently higher than spectrum analyzer noise
Sweep Time	Minimum time to assure the measurement accuracy (In case of burst wave, 1 burst per 1 sample)
Sampling points	More than 400 points
Sweep Mode	Consecutive sweep
Phase-Detection Mode	Positive peak
Trigger Condition	Max-hold

The measured value of the spectrum analyzer is processed by the computer internally or externally

Conditions of EUT

Set the test frequency and the modulation is performed with the standard coded test signal. In case of OFDM with burst wave, the modulation is conducted to minimize the rate of the time that the number of sub-carrier is less (short preamble).

After a repetition of sweep so that no variation is found, values of all the data points are loaded into the array variable on the computer.

For all the data, the dB values are converted to antilogarithm of power dimension.

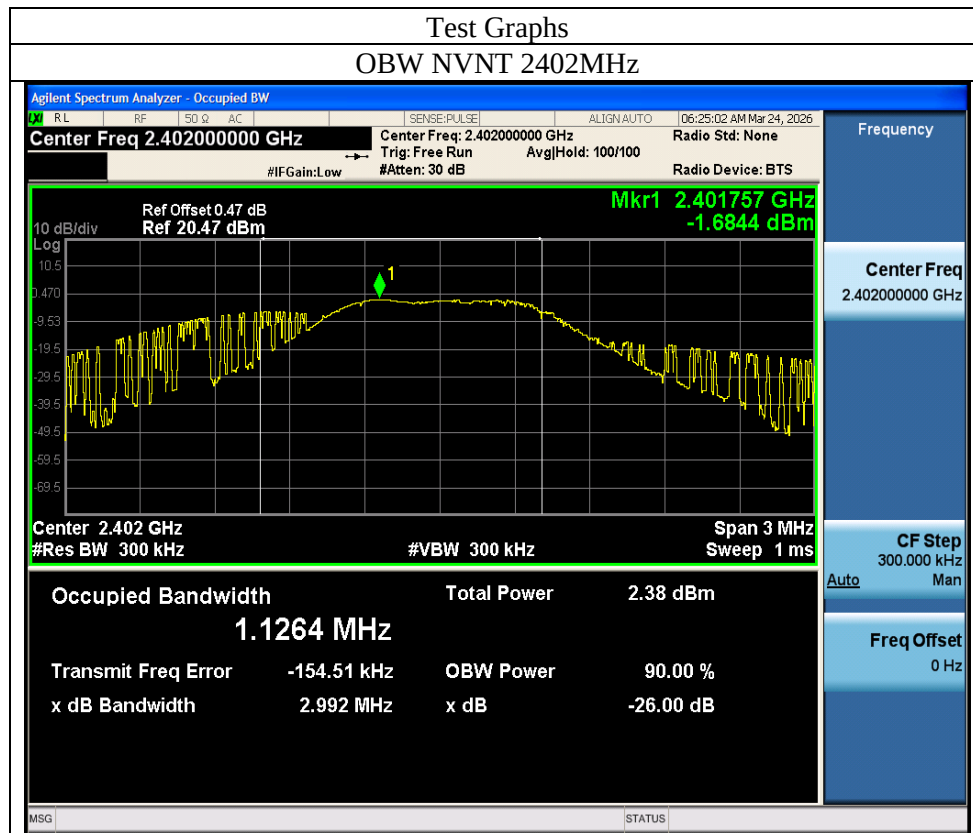
Power summation of all the data is estimated and stored as "total power value".

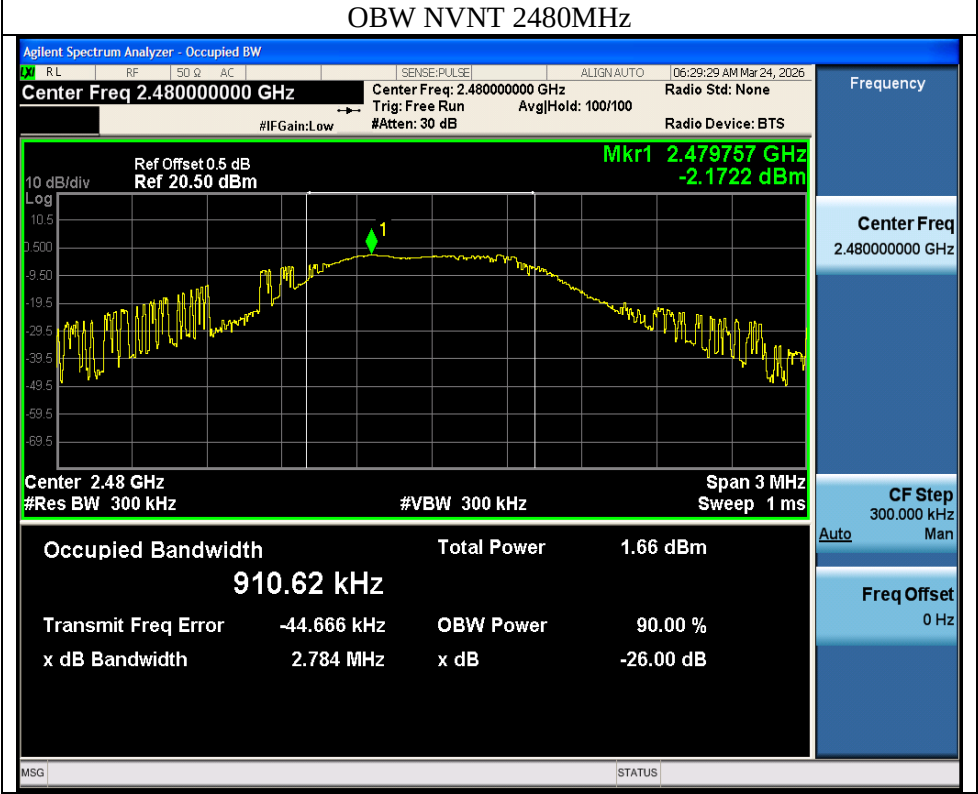
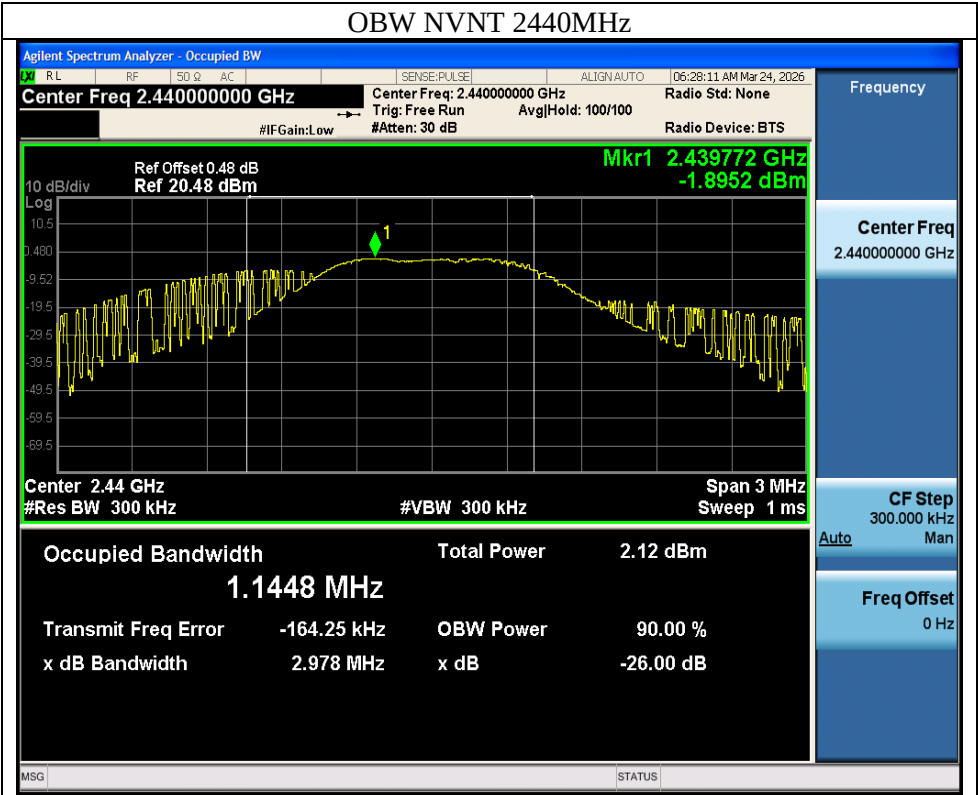
Starting with the data of the minimum frequency, the power is summed sequentially, and the limiting data point where the value achieves 5% of the total power is sensed. The limiting point is converted to frequency, stored as "lower limit".

Starting with the data of the maximum frequency, the power is summed sequentially, and the limiting data point where the value achieves 5% of the total power is sensed. The limiting point is converted to frequency, stored as "upper limit"

5.3.5 Test Results

Modulation Mode	Channel Number	Channel Frequency (MHz)	Spreading Bandwidth (MHz)	Verdict
GFSK	0	2402	1.1264	PASS
	39	2441	1.1448	PASS
	77	2479	0.91062	PASS





5.4 ANTENNA POWER AND TOLERANCE, EIRP POWER

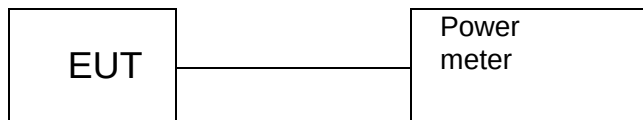
5.4.1 Conformance Limit

1. ≤ 3 mW /MHz(FH, FH+DS , FH+OFDM from 2400 - 2483.5 MHz)
2. ≤ 10 mW/MHz(OFDM OBW<26MHz, DS, FH other than (1))
3. ≤ 5 mW/MHz (OFDM OBW 26 – 38MHz)
4. ≤ 10 mW (Other than (1) & (2) & (3) 10mW)

Tolerance: +20%, -80%

EIRP Limit: < 12.14 dBm

5.4.2 Test Configuration



5.4.3 Test Procedure

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread

For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal.

5.4.4 Test Results

Antenna Power

Mode	Channel number	Frequency (MHz)	Antenna Power (dBm)	Antenna Power (mW)	Limit (mW)	Declared Power (mW)	Antenna Power Error (+20%,-80%)	Verdict
GFSK	0	2402	1.23	1.205	10	2	-39.75	Pass
	19	2440	0.01	1.072	10	2	-46.4	Pass
	39	2480	-0.19	1.076	10	2	-46.2	Pass

EIRP Power

Mode	Channel number	Frequency (MHz)	Antenna Power (dBm)	Antenna Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
GFSK	0	2402	1.23	2.61	3.84	12.14	Pass
	19	2440	0.01	2.61	2.62	12.14	Pass
	39	2480	-0.19	2.61	2.42	12.14	Pass
EIRP Power= Antenna Power+ Antenna Gain							

5.5 SPURIOUS EMISSIONS INTENSITY

5.5.1 Applicable Standard

According to ARIB STD-T66 Clause 3.2(6)

5.5.2 Conformance Limit

Permissible mean power of spurious emission of each frequency supplied to a feeder, that is, mean power of spurious emission in the 1 MHz bandwidth at frequency f other than frequency band used shall be as follows:

- | | |
|---|-----------------------------------|
| a. $2,387\text{MHz} \leq f \leq 2,400\text{MHz}$ and $2,483.5\text{MHz} < f \leq 2,496.5\text{MHz}$ | 25 μW (-16dB) or less |
| b. $2,387\text{MHz} > f$ and $2,496.5\text{MHz} < f$ | 2.5 μW (-26dB) or less |

5.5.3 Test Configuration

Test according to clause 6.1 radio frequency test setup 1

5.5.4 Test Procedure

(1) Spectrum analyzer for seeking the spurious emission is set as below

Sweeping Bandwidth	For seeking the spurious emission, from frequency lowest possible to the 5 times the carrier frequency
Resolution Bandwidth	1 MHz
Video Bandwidth	Approx. As same as Resolution bandwidth
Y-Axis Scale	10 dB/Div
Input Level	Value of maximum dynamic range
Sweep Time	Minimum time to assure the measurement accuracy (Note 1)
Sweep Mode	Single sweep
Phase-Detection Mode	Positive peak

(2) The settings of the spectrum analyzer while conducting spurious amplitude measurements are as follows:

- Central Frequency: Acquired spurious frequencies in (1)
- Sweep Frequency 0 Hz
- Resolution Bandwidth 1 MHz
- Video Bandwidth same as Resolution Bandwidth
- Note: take into account that the requirement limits the power in a bandwidth of 1 MHz.
- If the measurement is carried out with a bandwidth of 100 kHz (for frequencies below 1 GHz), the limit shall be reduced with 10 dB.
- For example 2.5 μW in 1 MHz = -26 dBm limit, becomes -36 dBm for 100 kHz bandwidth.
- Y-Axis Scale 10 dB/Div
- Input Level: choose input level within the linear range of the SA mixer (so that no additional spurious are generated by the mixer)
- Sweep Time: Minimum amount of time to ensure measurement accuracy. However, in the case of burst waves, time exceeds duration of 1 burst.
- Data Points Over 400 points
- Sweep Mode: Single sweep

- Detection Mode Sample (BIN-Width $\ll$ RBW, so that all spurious emissions are captured) [BIN-width is the frequency difference between 2 adjacent sample points on the display]

(3) Set EUT as occupied bandwidth is measure. That is, Set the EUT on the test frequency and the continuous TX mode or continuous (constant period, constant burst length) burst TX mode. In case of spreading code used, set on the test spreading code, then the modulation is performed with standard coding test signal.

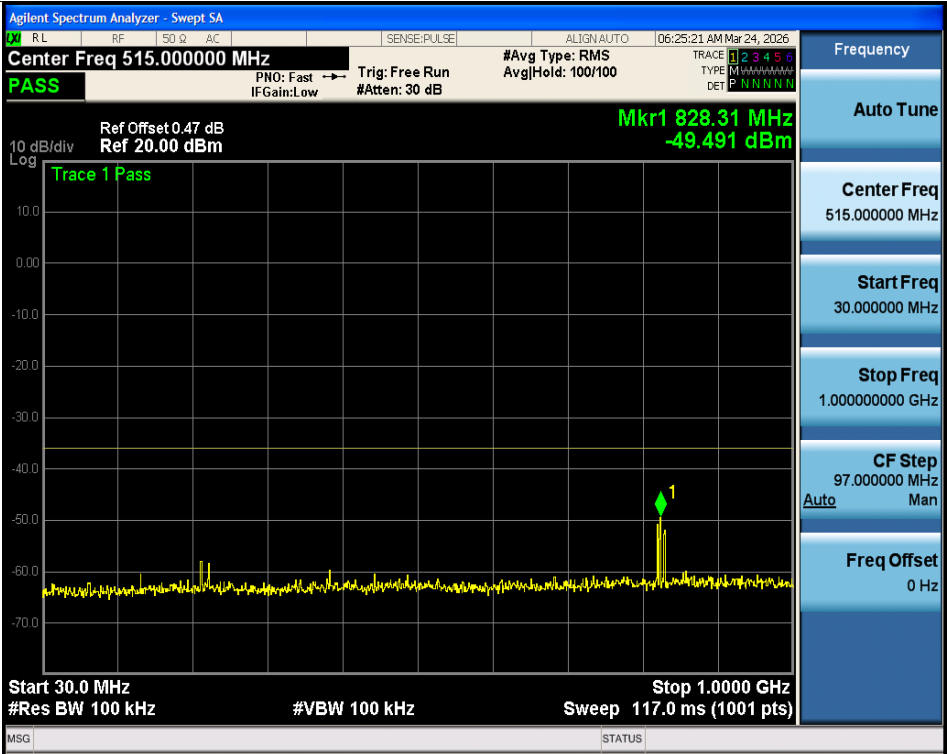
The spectrum analyzer is set as 2 (1). Seek the spurious emission If the amplitude of the sought spurious emission satisfies the specified value (in case of 2 (2) Note 1, the specified value is -3dB), the measurement of 2 (2) is not performed, then the estimated value is employed as the measured value.

In case the sought spurious emission amplitude exceeds the specified value, seek the spurious frequency by narrowing the sweeping band sequentially as 100 MHz, 10 MHz, 1 MHz for the purpose of higher accuracy of the spectrum analyzer. Set the spectrum analyzer as 2 (2). Estimate the mean value of the spurious amplitude, then employ it as the measured value (In case DSSS as well as OFDM with burst wave, the mean inside of the burst).

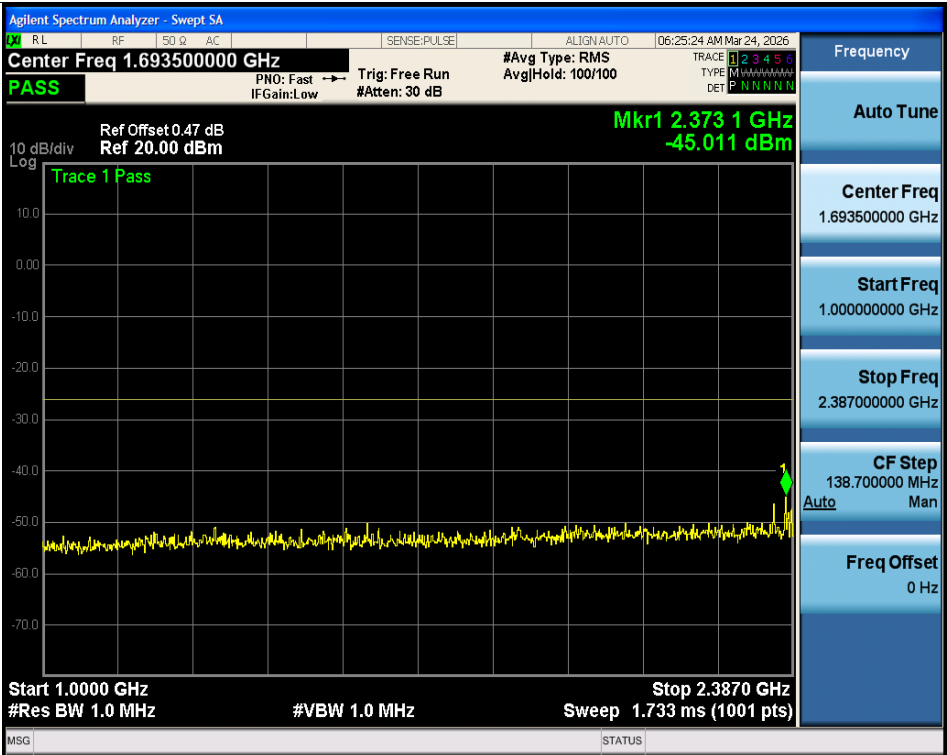
Sweep Bandwidth: 30MHz~2387MHz, 2483.5MHz~2496.5MHz, 2496.5MHz~12500MHz
Respectively mark the maximum results in the above sweep bandwidth.

5.5.5 Test Results

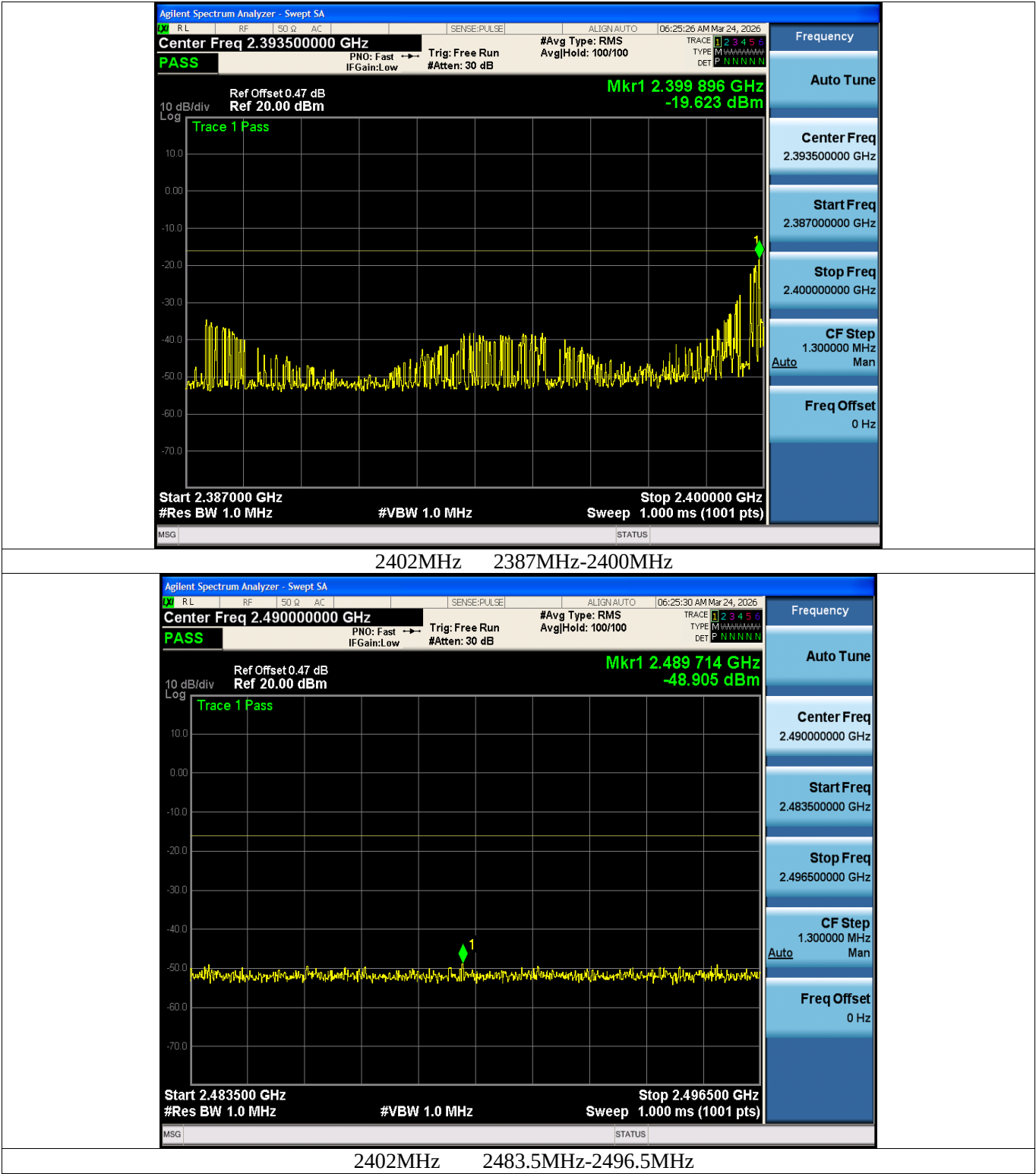
Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max Peak Value (uW)	Limit Start(uW)	Limit Stop (uW)	Verdict
2402	30-1000	828.31	-49.49	0.0112	0.25	0.25	Pass
2402	1000-2387	2373.13	-45.01	0.0316	2.5	2.5	Pass
2402	2387-2400	2399.90	-19.62	10.914	25	25	Pass
2402	2483.5-2496.5	2489.71	-48.91	0.0129	25	25	Pass
2402	2496.5-13000	7212.57	-33.73	0.4236	2.5	2.5	Pass
2440	30-1000	705.12	-47.16	0.0192	0.25	0.25	Pass
2440	1000-2387	2362.03	-47.54	0.0176	2.5	2.5	Pass
2440	2387-2400	2392.06	-43.93	0.0405	25	25	Pass
2440	2483.5-2496.5	2487.37	-47.30	0.0186	25	25	Pass
2440	2496.5-13000	7317.61	-36.31	0.2339	2.5	2.5	Pass
2480	30-1000	245.34	-58.64	0.0014	0.25	0.25	Pass
2480	1000-2387	2373.13	-49.09	0.0123	2.5	2.5	Pass
2480	2387-2400	2393.06	-47.63	0.0173	25	25	Pass
2480	2483.5-2496.5	2495.56	-36.68	0.2148	25	25	Pass
2480	2496.5-13000	7443.65	-33.47	0.4498	2.5	2.5	Pass

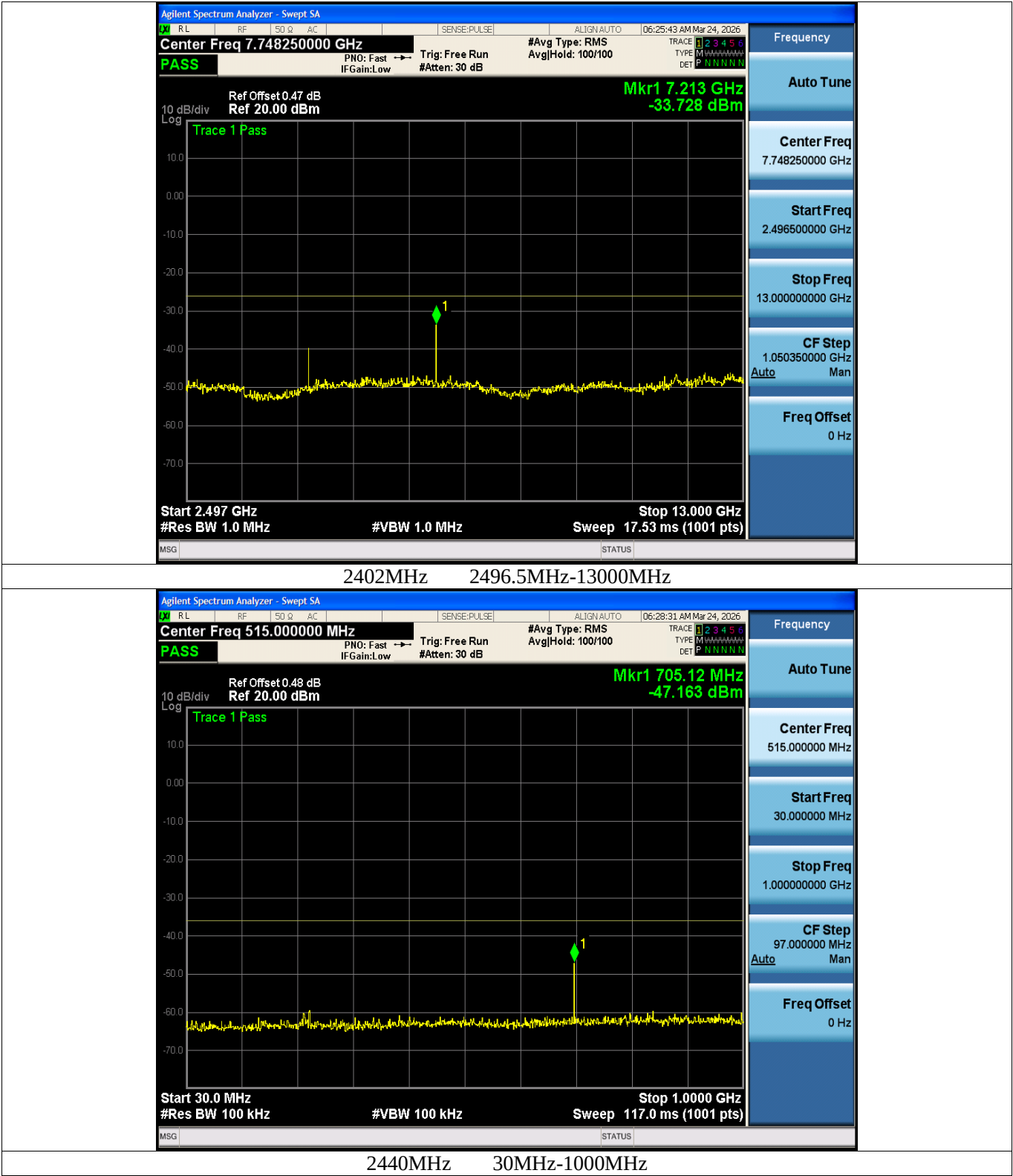


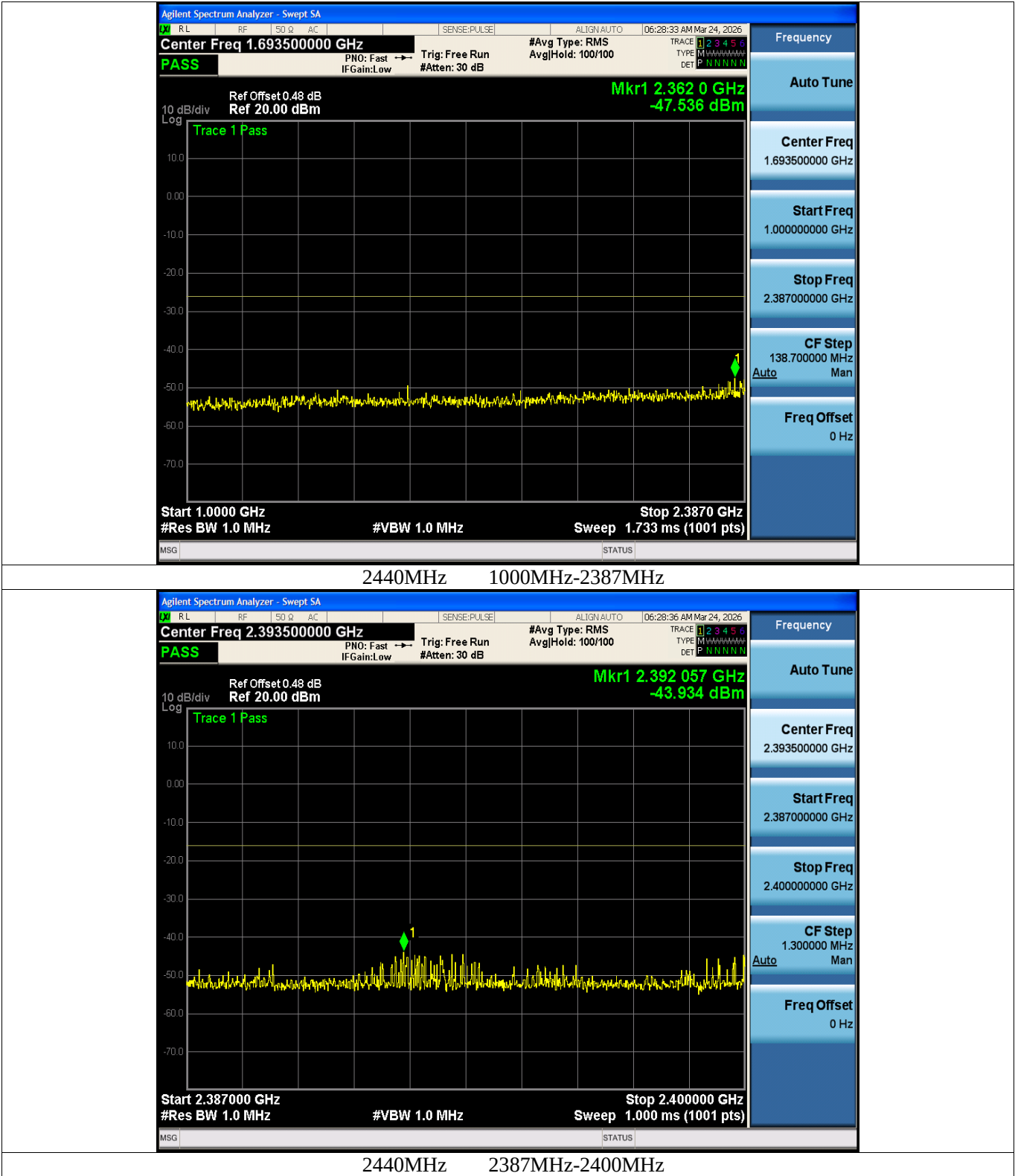
2402MHz 30MHz-1000MHz

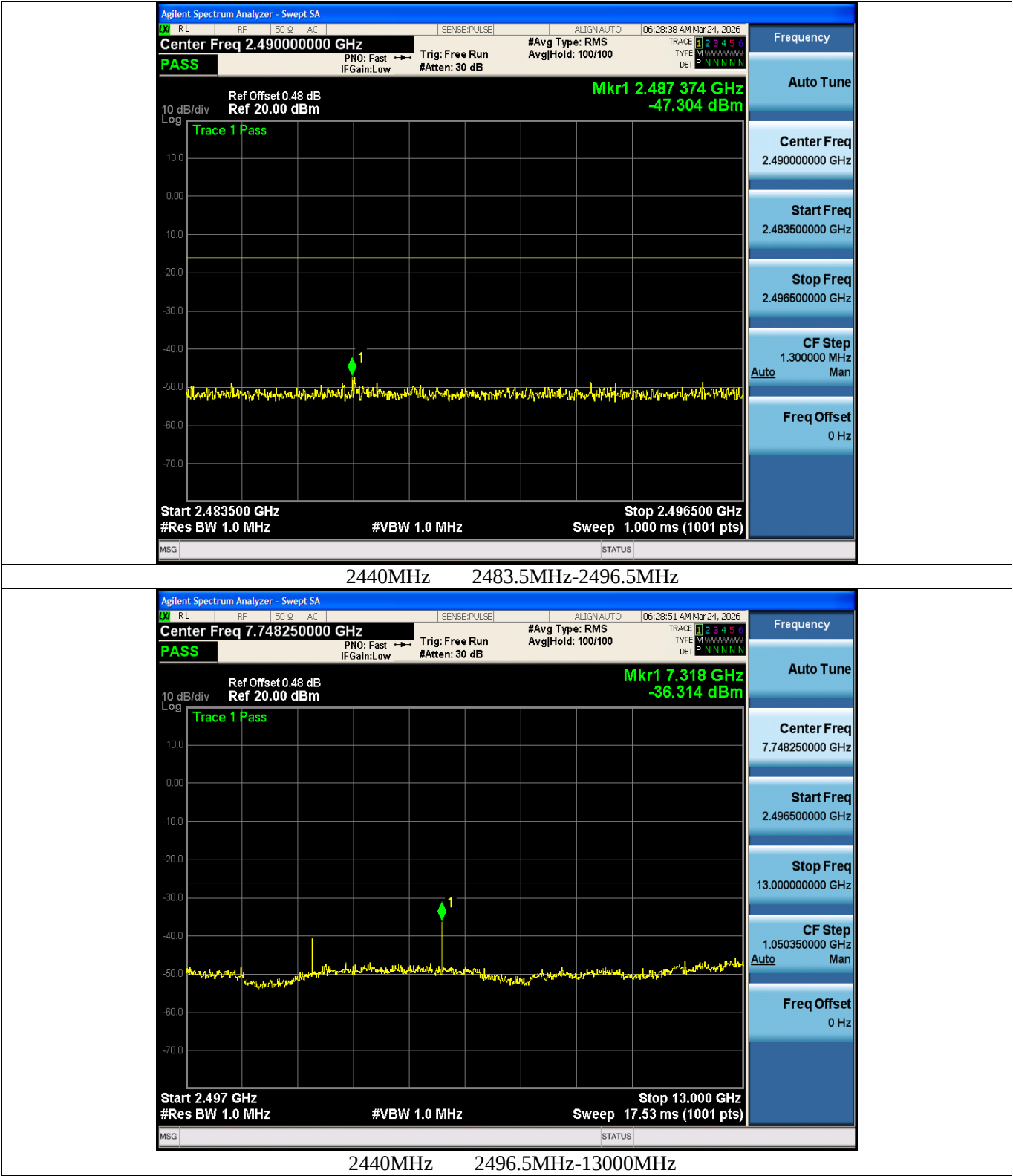


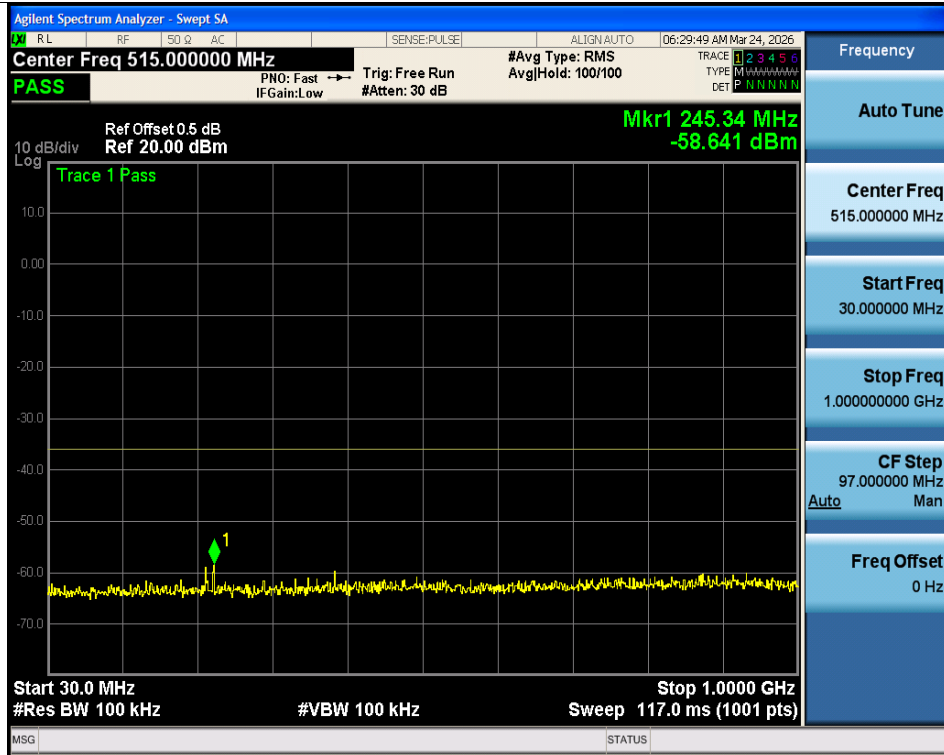
2402MHz 1000MHz-2387MHz



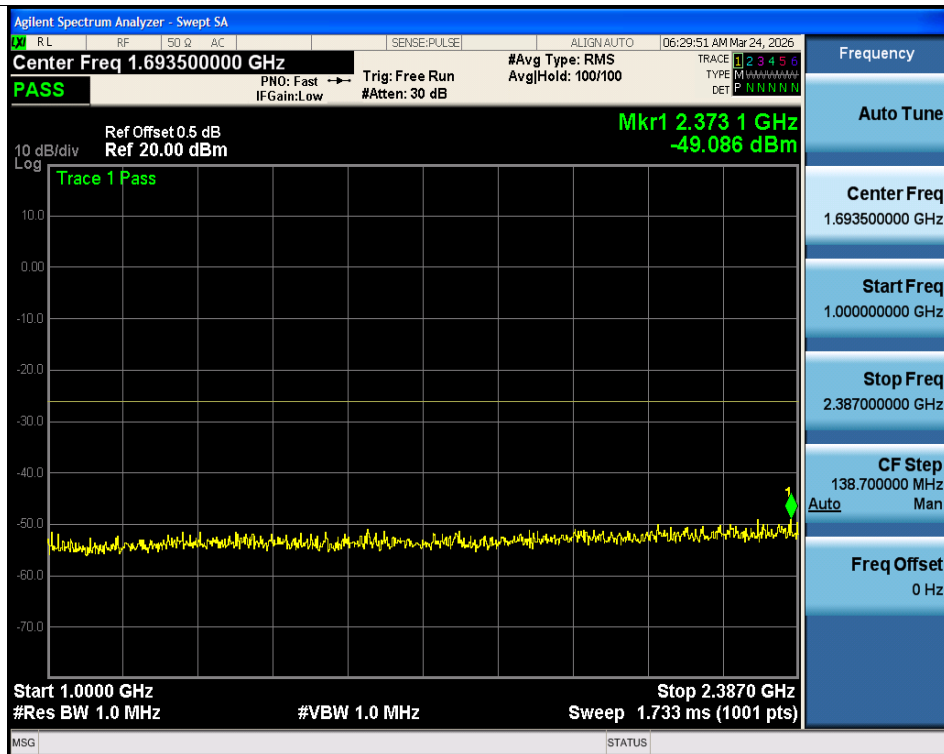




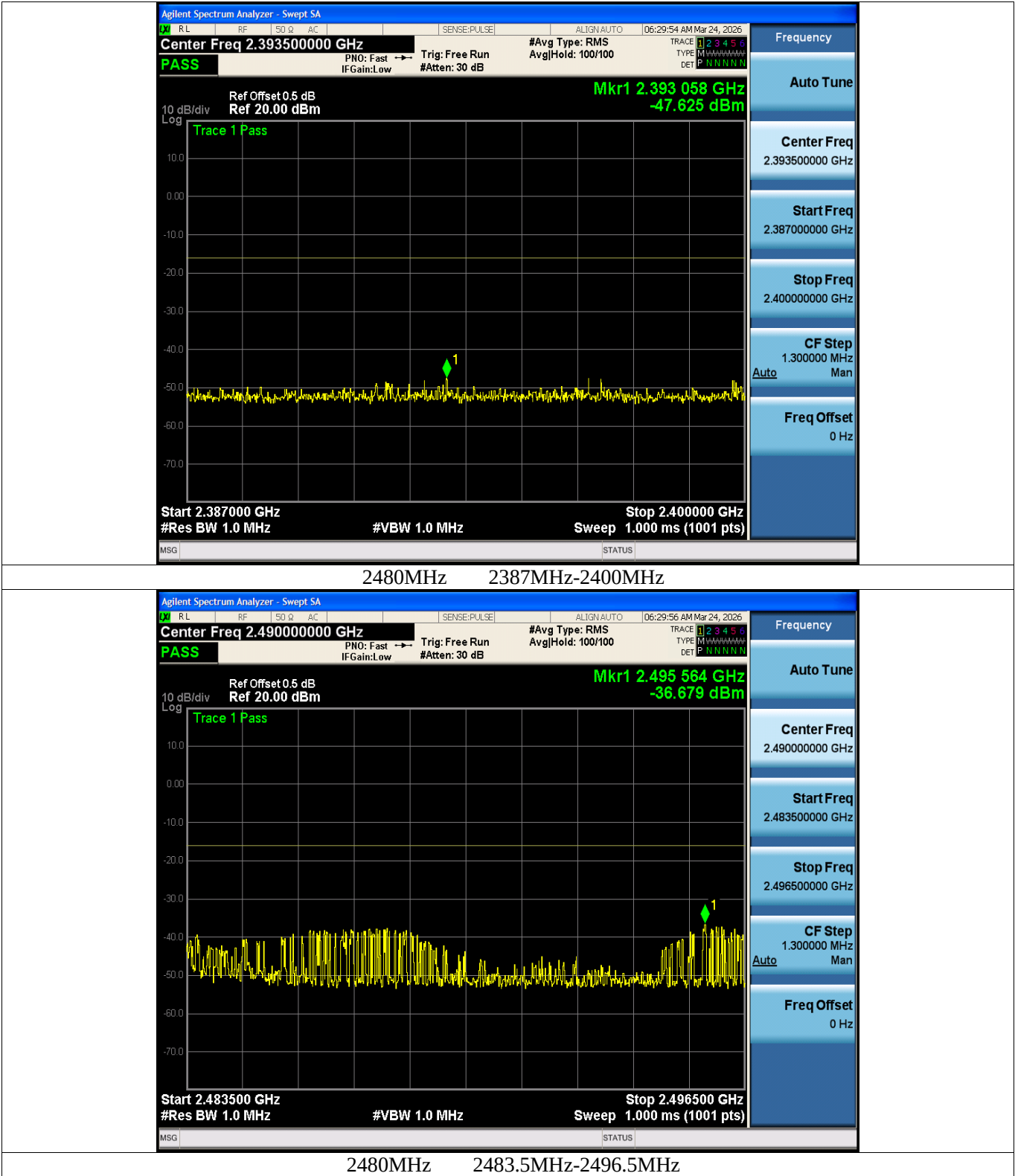


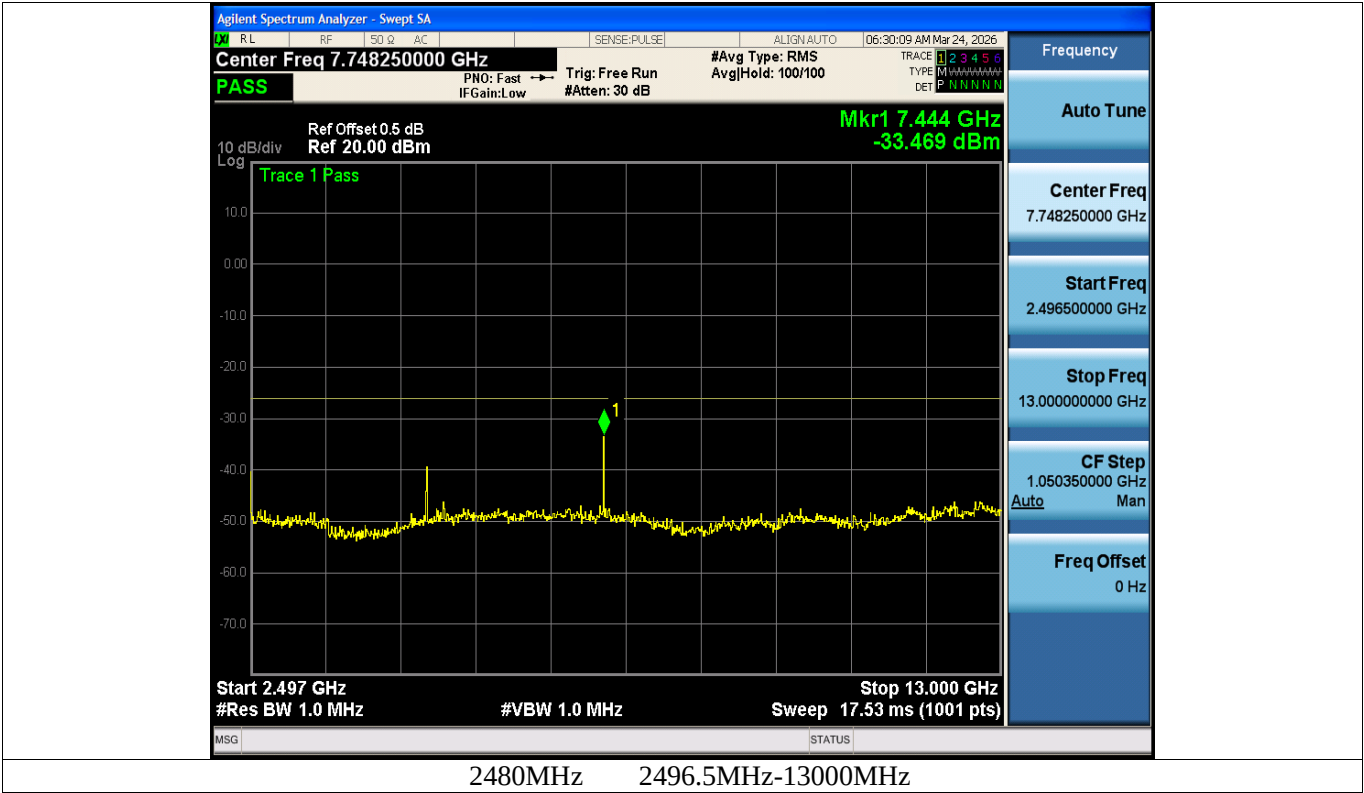


2480MHz 30MHz-1000MHz



2480MHz 1000MHz-2387MHz





5.6 COLLATERAL EMISSIONS OF RECEIVER

5.6.1 Conformance Limit

The limit on secondary emissions radiated from the receiving equipment within which the function of other radio equipment will not be impaired shall be, in terms of the power of a dummy antenna circuit that has the same electrical constant as the receiving antenna, 4 nW (-54dBm) or less at a frequency below 1 GHz and 20 nW(-47dBm) or less at a frequency of 1 GHz or higher as measured using the circuit.

- | | |
|----------------------|---------------|
| a. 30 MHz - 1000 MHz | 4 nW or less |
| b. 1GHz – 12.5 GHz | 20 nW or less |

5.6.2 Test Configuration

Test according to clause 6.1 radio frequency test setup 1

5.6.3 Test Procedure

Set the EUT so that the test frequency is can be measured receipt consecutively all the time.

- (1) Set the attenuation value of the dummy load lowest as possible, due to low level of the measured object.
- (2) Set Spectrum analyzer for seeking the collateral emission is set as below.

Sweeping Bandwidth	30MHz to 5 times of carrier frequency
Resolution Bandwidth	In case of frequency lower than 1 GHz, 100 kHz In case of frequency higher than 1 MHz
Video Bandwidth	Same level as the resolution bandwidth
Sweep Time	Minimum time to assure the measurement accuracy
Y-Axis Scale	10 dB/Div
Sweep Mode	Single sweep
Phase-Detection Mode	Positive peak

- (3) Spectrum analyzer for measuring the collateral emission is set as below.

Central Frequency	Collateral emission frequency
Sweeping Bandwidth	0 Hz
Resolution Bandwidth	In case of frequency lower than 1 GHz, 100 kHz In case of frequency higher than 1 MHz
Video Bandwidth	Same level as the resolution bandwidth
Sweep Mode	Single sweep
Detection Mode	Sample

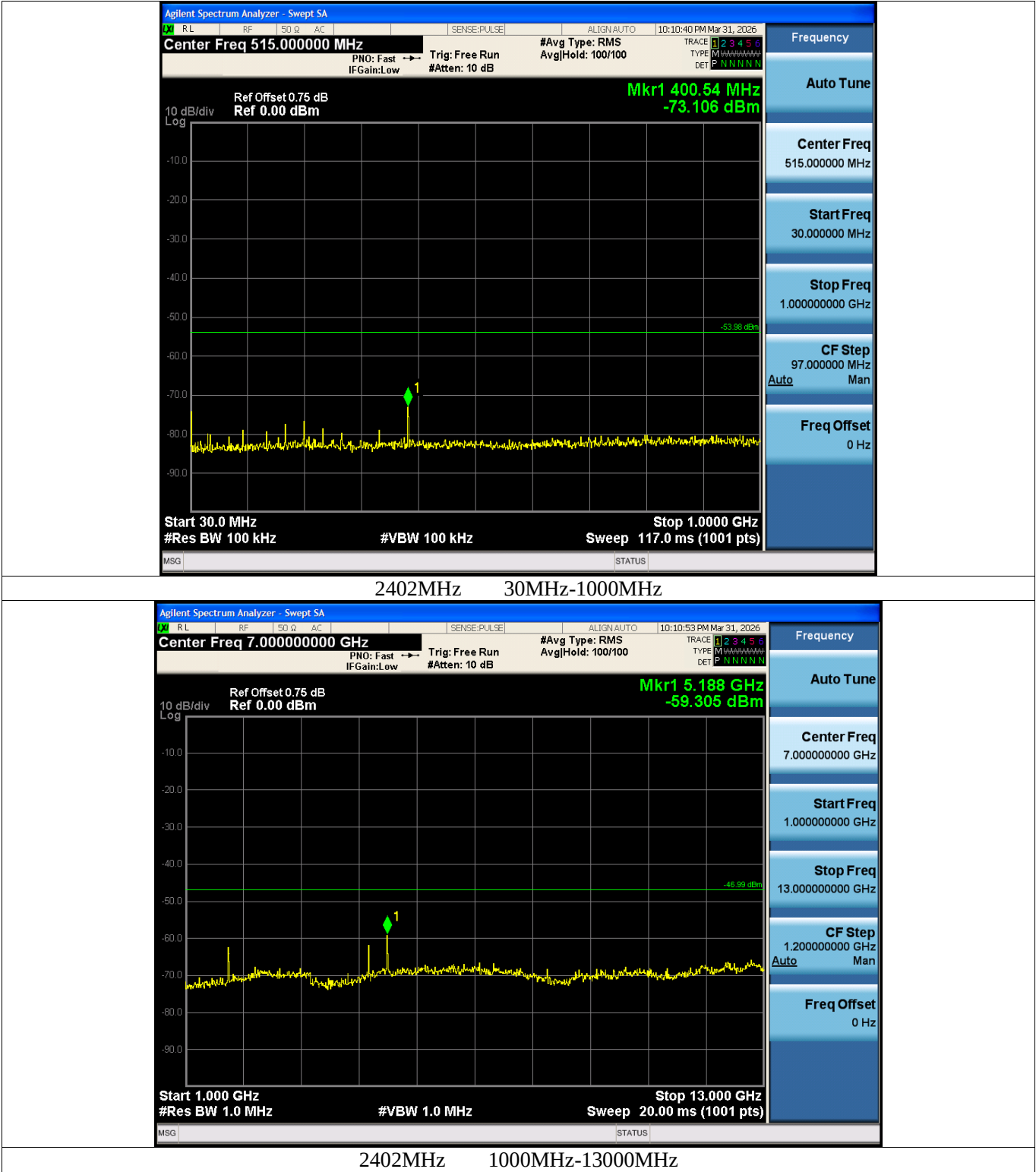
Set the spectrum analyzer as (2), seek the maximum amplitude of the collateral emission.

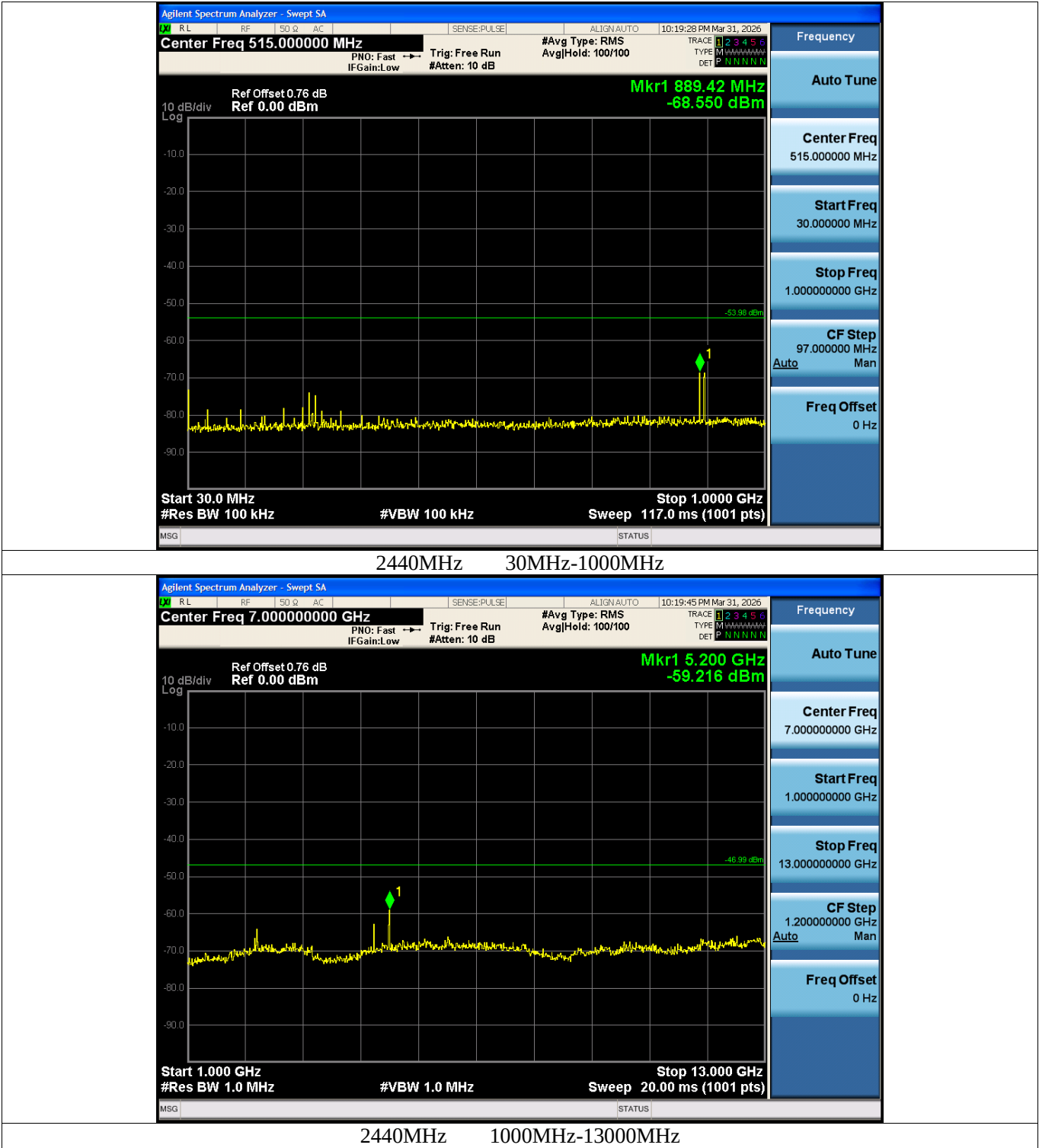
In case of sought result lower than 1/10 limit value, employ the sought value as the measured value.

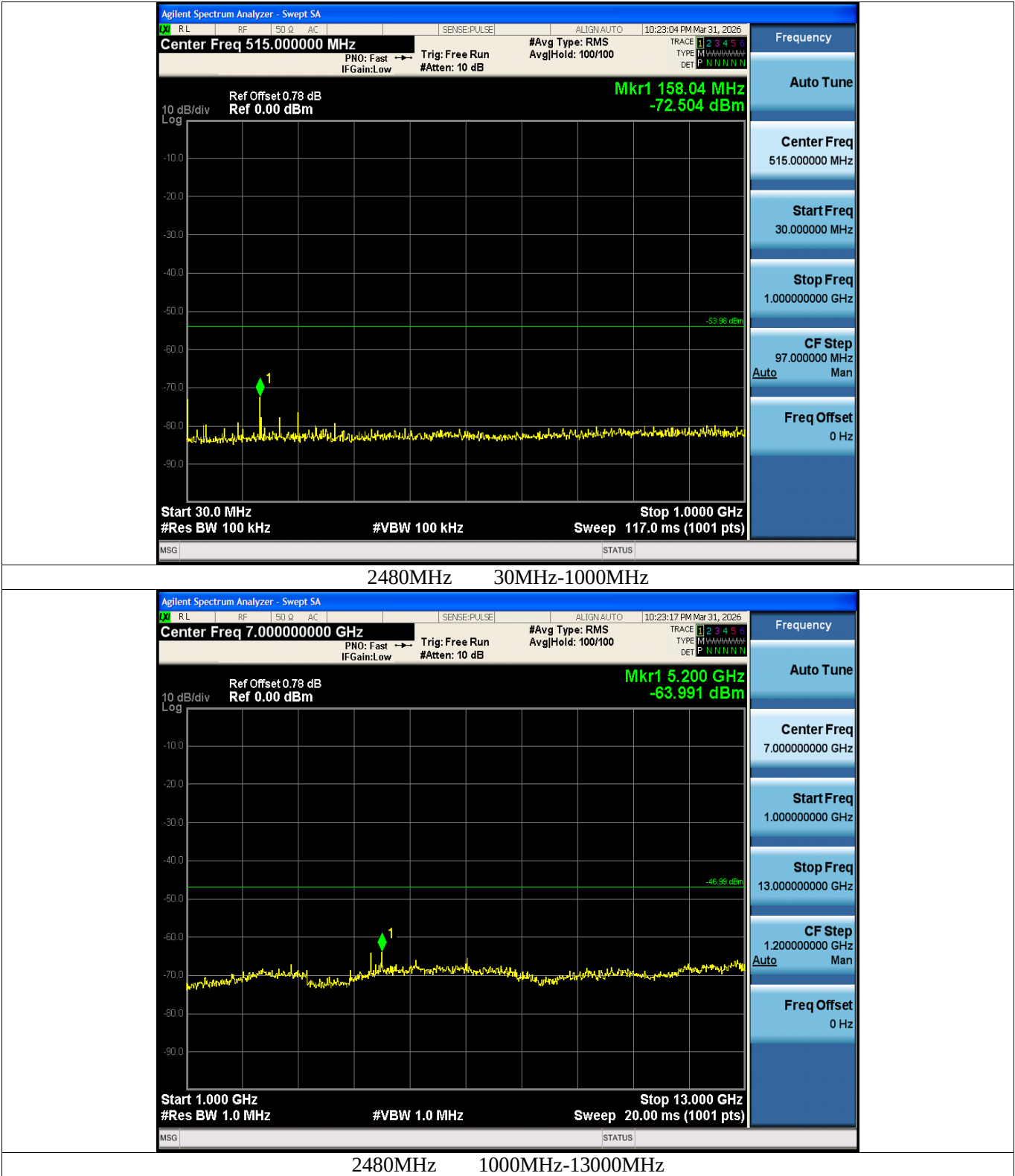
In case the sought value exceeds 1/10 limit value, seek the collateral emission frequency by narrowing the sweeping band sequentially to 1/10 for the purpose of higher accuracy of the spectrum analyzer. Set the spectrum analyzer as (3).

5.6.4 Test Results

Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max Peak Value (nW)	Limit (nW)	Verdict
2402	30-1000	400.54	-73.11	0.0489	4	Pass
2402	1000-13000	5188.00	-59.31	1.172	20	Pass
2440	30-1000	889.42	-68.55	0.140	4	Pass
2440	1000-13000	5200.00	-59.22	1.197	20	Pass
2480	30-1000	158.04	-72.50	0.0562	4	Pass
2480	1000-13000	5200.00	-63.99	0.399	20	Pass







5.7 HALF POWER BEAM ABGLE (RADIATION ANGLE OF ANTENNA)

5.7.1 limit

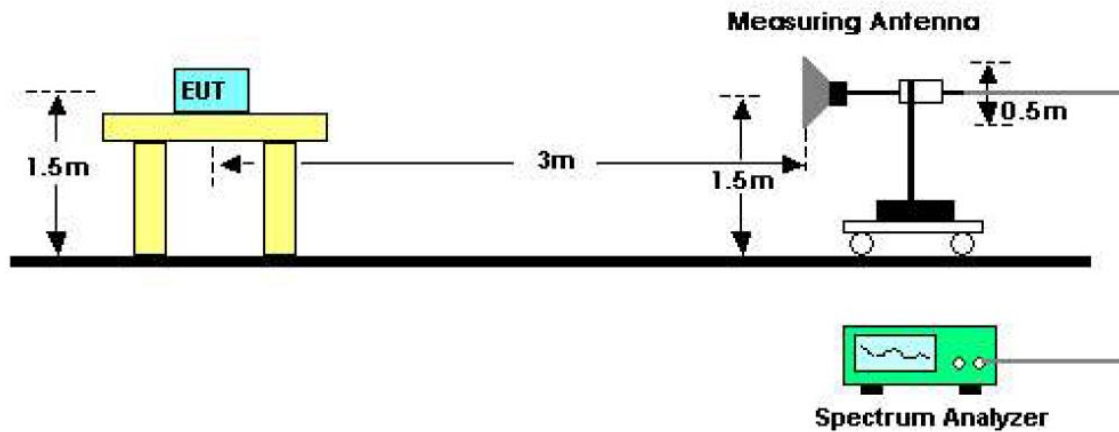
Item	Limits
Radiation angle of antenna	$e \leq 360/A$ (The A is 10 in maximum) $A = \{ \text{EIRP Power [mW/MHz]} / \{ 2.14\text{dBi} + \text{output power}(10\text{mW /MHz}, 3\text{mW/MHz}) \} \}$ Shall be 1 when A is lower than 1
Note: This test item is not applied for radio equipment with equivalent 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	

5.7.2 TEST PROCEDURES

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

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. "E" is the half-power beam width (angle between two points at which radiated power becomes 1/2)
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 $A = 1$).
 $A = \{ \text{EIRP Power [mW/MHz]} / \{ 2.14\text{dBi} + \text{output power}(10\text{mW/MHz}, 3\text{mW/MHz}) \} \}$
 Shall be 1 when A is lower than 1

5.7.3 TEST SETUP



5.7.4 TEST DEVIATION

There is no deviation with the original standard.

5.7.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

5.7.6 TEST RESULT

Note: The max EIRP less than 12.14dBm, not applicable.

5.8 CONSTRUCTION PROTECTION METHOD

Requirement

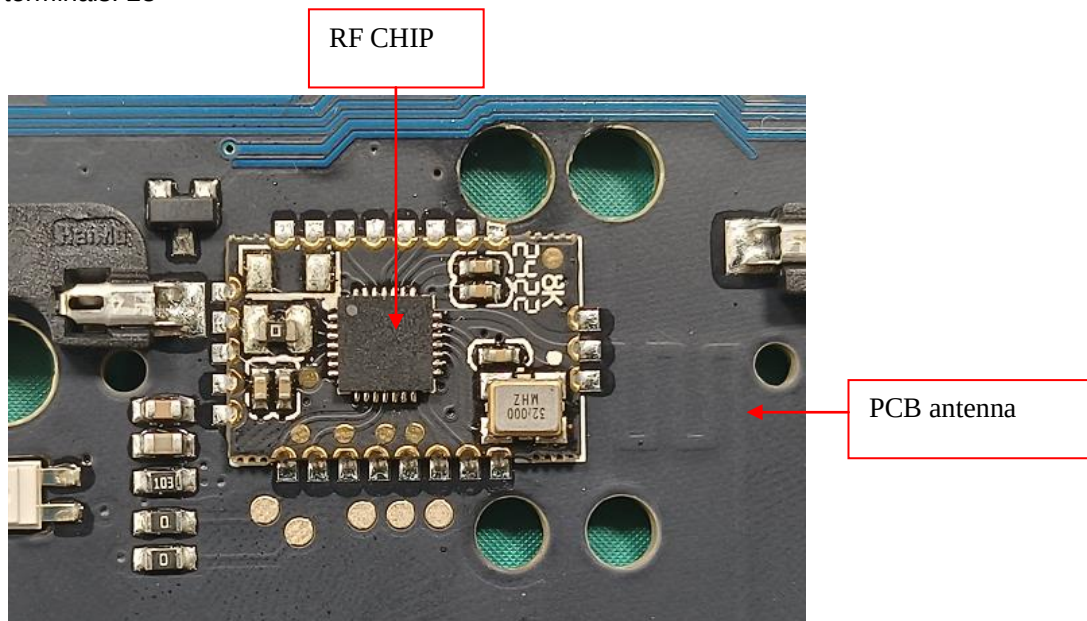
The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily

Confirmation method

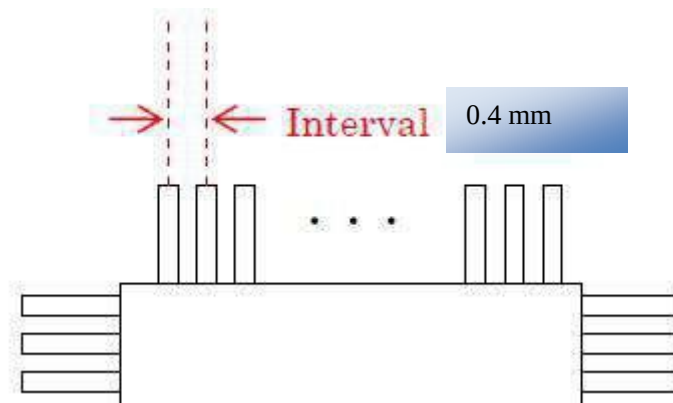
We apply the product for Japan RF certification. All high-frequency section and modulation section packet in one IC ,and The RF IC is Soldering BT RF IC in PCB , the chip pin spacing is very small, the customer can't change it.Please refer to following for photo for details.

The interval of terminals: 0.4mm

Number of the terminals: 28

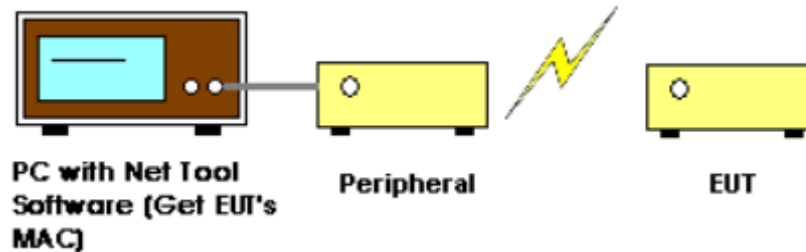


interval of terminals:



5.9 INTERFACE PREVENTION FUNCTION

For EUT communication link measurement



Requirement

Clarify, the one automatically to transmit and to receive identification code with the wireless equipment of the wireless station used in the same premises.

Interference Prevention FunctionConfirm

A communication link was made where the ID code is correct (Identical).

TEST PROCEDURE

1. Connect the EUT in network
2. Open the software
3. We can get the information as follows:
MAC: 4a 31 e8 7b 54 50