



TEST REPORT

Applicant : Shenzhen Qianbaiyou Technology Co., LTD
Address : Room B335, No. 142, Songyu Road, Hongxing Community,
Songgang Subdistrict, Bao 'an District, Shenzhen City
Product Name : Eye massager
Brand Name : N/A
Model No : TK01
Standards : Item 19 of Article 2 Paragraph 1
MIC Notice No.88 Appendix No. 43
Report No : SZZJ2026050801T
Date of Receipt sample : April 22, 2026
Date of Test : April 22, 2026 to May 8,2026
Date of Issue : May 8,2026
Test Result : PASS

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Tested by:



Approved by

*

Prepared By:

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1. TEST SUMMARY

No.	Test Item	Test Method	Basic Standard	Result
1	Tolerance of Frequency	MIC Notice No.88 Appendix No. 43	Article 2-1, Item 19	PASS
2	Occupied Bandwidth (99%)	MIC Notice No.88 Appendix No. 43	Article 2-1, Item 19	PASS
3	Antenna Power and Tolerance	MIC Notice No.88 Appendix No. 43	Article 2-1, Item 19	PASS
4	Spurious Emission Intensity	MIC Notice No.88 Appendix No. 43	Article 2-1, Item 19	PASS
5	Secondary Radiated Emissions	MIC Notice No.88 Appendix No. 43	Article 2-1, Item 19	PASS
6	Interference Prevention Function	MIC Notice No.88 Appendix No. 43	Article 2-1, Item 19	PASS
7	RF Accessibility	MIC Notice No.88 Appendix No. 43	Article 2-1, Item 19	PASS

2. MEASUREMENT UNCERTAINTY

The report 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	Occupied Channel Bandwidth	$\pm 3.5\%$
2	RF output power, conducted	$\pm 1.197\text{dB}$



3. TEST FACILITY

Shenzhen ZJ Testing Services Co., Ltd

Address:Building A, 4F-A, Unit B5-1, Comprehensive Building, Junfeng Industrial Zone, Heping Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, China

3.1. Deviation from Standard

None

3.2. Abnormalities from Standard Conditions

None



4. GENERAL INFORMATION

4.1. General Description of EUT

Manufacturer:	Shenzhen Qianbaiyou Technology Co., LTD
Manufacturer Address:	Room B335, No. 142, Songyu Road, Hongxing Community, Songgang Subdistrict, Bao 'an District, Shenzhen City
EUT Name:	Eye massager
Model No:	TK01
Serial Model:	TK01
Brand Name:	N/A
Difference Description:	/
Operation Frequency:	2402MHZ-2480MHZ
Modulation Type	GFSK
Bluetooth Version	N/A
Antenna Gain	-0.58dBi
Hardware Version	N/A
Software Version	N/A
Power Supply	DC 5V, 2A

Note:

- 1.For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 2.The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.

4.2. Description of Test Modes

The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Operation Frequency List:

Channel	Frequency (MHz)
00	2402
01	2404
02	2406
:	:
19	2440
:	:
37	2476
38	2478
39	2480



Note: Test performed at the lowest/middle/highest frequencies selected in the list above for EUT supported while working on specified mode.

Mode	TX Type	Frequency (MHz)
1M	SISO	2402
		2440
		2480
2M	SISO	2402
		2440
		2480

4.3. Test Voltage

POWER SUPPLY VOLTAGE FLUCTUATION TEST

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input To EUT	DC 7.40V	DC 8.14V	DC 6.66V
Output To RF Module	DC 3.30V	DC 3.30V	DC 3.30V
Voltage Variation(%)	--	--	--

Note: During the input supply voltage to the EUT from the external power source is varied by +/-10%, the fluctuation of input voltage to the circuit of RF unit of test equipment is less than $\pm 1\%$. so all test performed at normal voltage only.

**5. EQUIPMENTS LIST FOR ALL TEST ITEMS**

No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	EMI test receiver ESCI	R&S	ESPI-7	100754	2025-03-17	2027-03-16
2	Log periodic antenna	SCHWARZBECK	VULB9163	01790	2025-10-24	2026-10-23
3	preamplifier	QUANJUDA	LNA18	2503130032	2025-07-07	2026-07-06
4	spectrum analyzer	Agilent	N9020A	MY51287427	2025-07-07	2026-07-06
5	Terminal tester	R&S	CMW500	129734	2025-07-07	2026-07-06
6	Vector signal generator	Agilent	N5182A	MY50145556	2025-07-07	2026-07-06
7	RF automatic control unit	TST	CBOX-Full	2752539	2025-07-14	2026-07-13
8	High frequency antenna	Schwarzbeck	9120D-1141	03260	2025-10-19	2026-10-18
9	High-frequency horn antenna	Schwarzbeck	HA-018040L	25098408	2025-10-31	2026-10-30
10	preamplifier	HCT	HC180400-50 G25	25098401	2025-09-19	2026-09-18
11	spectrum analyzer	R&S	FSV40	101373	2025-12-24	2026-12-23
12	preamplifier	SCHWARZBECK	8447D	2944A08081	2025-03-17	2027-03-16
13	Oscillograph	TeKtronix	TDS3052C	C011852	2025-08-08	2026-08-07
14	DC regulated power supply	LONGWVEI	PS-305DF	201104661	2025-07-07	2026-07-06
15	RF automatic control unit	TST	CBOX-Full	2752539	2025-07-14	2026-07-13
16	testing software	TST Pass	2.0.2 (2026.04.07_1 5.08.33)	/	2025-07-14	2026-07-13

Note:

Cal. Institution: Guangdong Zhongcheng Metrology Testing Co., Ltd.

Calibration by the calibration agencies listed in the table correspond to paragraph 4 (ii) (c) of Article 24-2 in the Radio Law".

☐ (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. TEST RESULTS

6.1. Interference Prevention Function

Test Requirement:	The EUT shall support one of the following functions: - Automatic identification transmission - Automatic identification reception
Test Method:	Notification No.88 of MIC, 2004
Procedure:	(1) For EUTs capable of automatically transmitting identification data a. Transmit identification data from EUT to Demodulator b. Confirm identification data is correctly received by Demodulator (2) For EUTs capable of automatically receiving identification data a. Transmit identification data from Link Partner to EUT b. Confirm communication link is established c. Link Partner shall respond by transmitting different identification data back to the EUT d. Confirm EUT stops transmitting, or confirm EUT recognizes that the two identification data are different

6.1.1. Conclusion:

The detected ID of the device is below:
ef:ed:eb:38:d7:f9

Test result: The device meet the requirements
PASS



6.2. RF Accessibility

Test Requirement:	The EUT shall be constructed in such a way that sensitive RF parts, (like modulation and oscillator parts) cannot be reached easily by the user. These parts shall be covered by soldered metal caps or glue or by other mechanical covers. If the covers are fixed with screws, these shall be not the common type(s) like a Phillips, but special versions like Torx, so that the user cannot open the device with common tools.
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6.2.1. Conclusion:

Tamper proof declaration:

- ☐ Sealed with special screws.
- ☐ Plastic chassis is being welded using ultrasonic waves.
- ☐ Chassis is glued using a special adhesive
- ☐ Metal covers are spot-fused.
- ☐ Cover is specially interlocked.
- ☐ RF and modulation components are covered with shielding case and this shielding case is soldered.
- ☐ Shielded case is welded at RF and modulation parts, and ID-ROM is welded using the BGA method.
- ☐ Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.
- ☐ Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.
- ☒ RF and Modulation parts are mounted on PCB with surface mount technology, and there is no any adjustable parts on PCB or adjustable parts are not exposed.

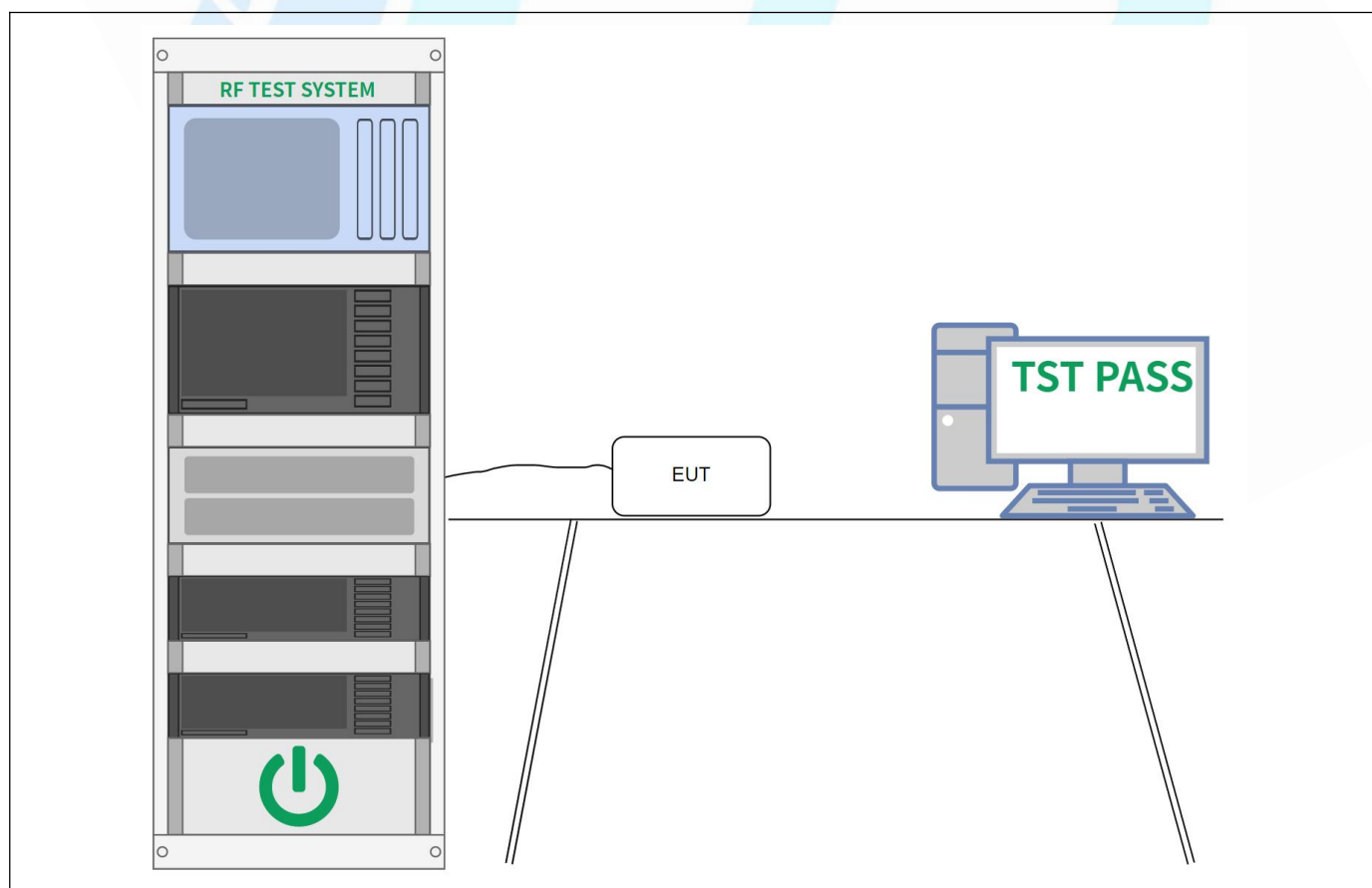
6.3. Tolerance of Frequency

Test Limit:	±50ppm or less.	
Test Method:	MIC Notice No.88 Appendix No. 43	
Procedure:	Center frequency:	Test frequency
	Span:	2 times channel bandwidth
	RBW:	100 kHz (Modulation ON)
	VBW:	100 kHz (Modulation ON)
	Sweep data points:	1001 or greater
	Sweep time:	Auto
	Detector mode:	Positive peak
	Indication mode:	Max hold
If the EUT cannot transmit in un-modulated mode then modulated mode measurements can be made, as follows: If the spectrum observed using the spectrum analyzer has a characteristic dip at the center, then the center frequency of the dip shall be regarded as the center frequency of the carrier.		

6.3.1. EUT Operation

Operating Environment:					
Temperature:	23.2 °C	Humidity:	51 %	Atmospheric Pressure:	101.1 kPa

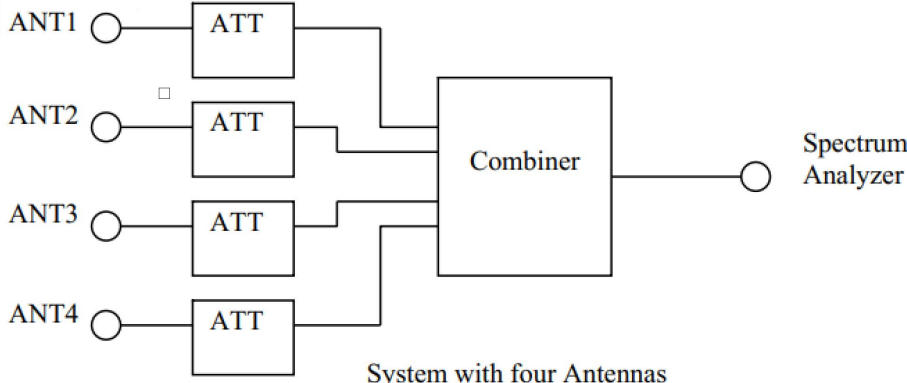
6.3.2. Test Setup Diagram:



6.3.3. Test Data

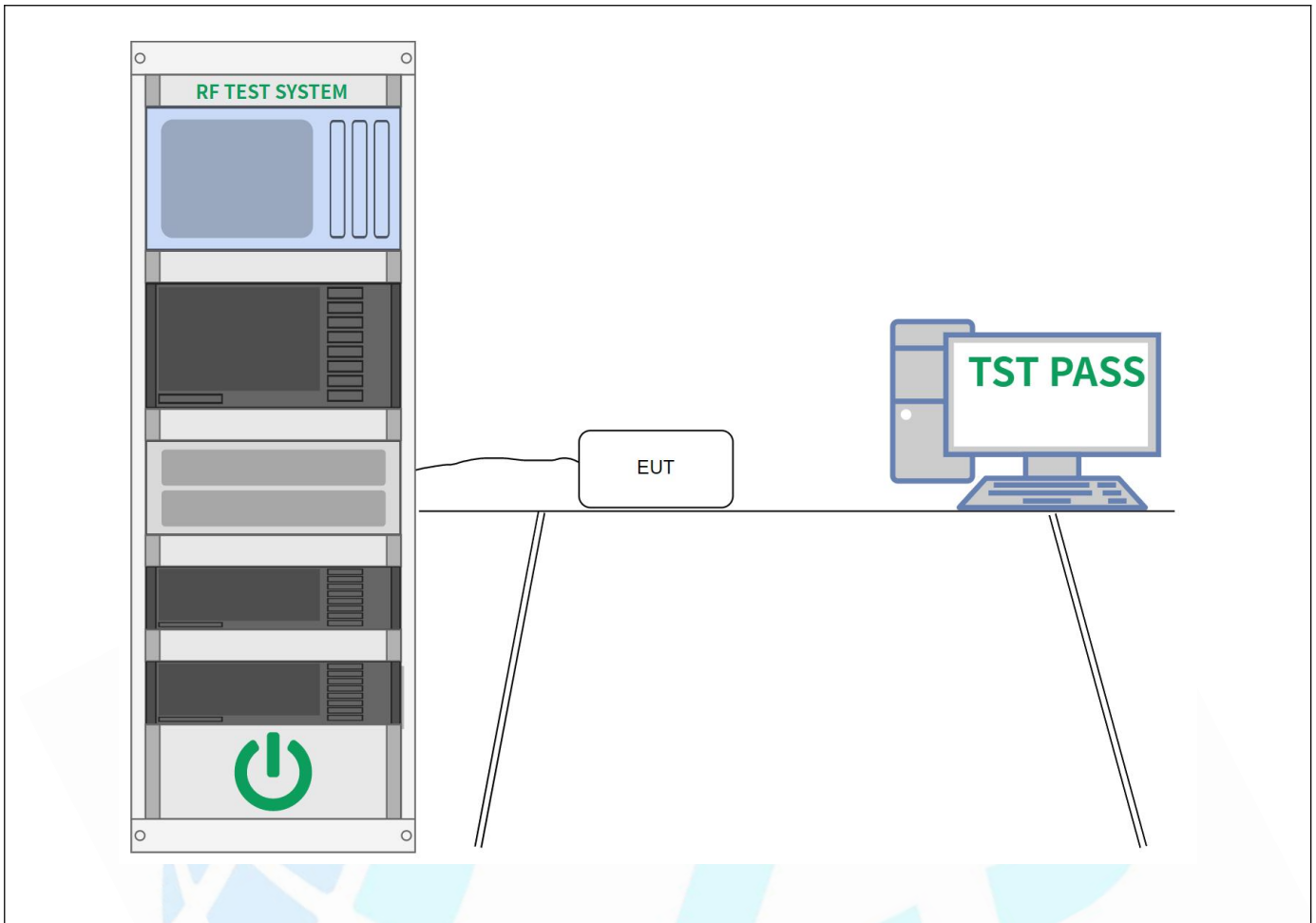
Please Refer to Appendix for Details.

6.4. Occupied Bandwidth (99%)

Test Limit:	For DSSS or other modulation: The measured bandwidth at the low and high channels shall meet the following requirements: - The lowest frequency of the measured bandwidth shall not be less than 2400 MHz - The highest frequency of the measured bandwidth shall not be greater than 2483.5 MHz [Occupied Bandwidth] 26 MHz or less																		
Test Method:	MIC Notice No.88 Appendix No. 43																		
Procedure:	<table border="1"> <tr> <td>Center Frequency:</td><td>Test frequency</td></tr> <tr> <td>Span:</td><td>2 - 3.5 times the technical standard</td></tr> <tr> <td>RBW:</td><td>Within 3% of the technical standard</td></tr> <tr> <td>VBW:</td><td>Same as RBW</td></tr> <tr> <td>Sweep time:</td><td>Auto</td></tr> <tr> <td>Sweep data points:</td><td>1001 or greater</td></tr> <tr> <td>Detector mode:</td><td>Positive peak</td></tr> <tr> <td>Indication mode:</td><td>Max hold</td></tr> <tr> <td>BW setting:</td><td>99%</td></tr> </table> (1) Measure the signal bandwidth using a spectrum analyzer (2) For multiple antenna systems: a) Each antenna shall be individually measured b) If the measured occupied bandwidth for any antenna exceeds [(Occupied Bandwidth Limit) – 100kHz] then, in addition, the occupied bandwidth shall be measured with all antennas combined – see diagram below:  System with four Antennas	Center Frequency:	Test frequency	Span:	2 - 3.5 times the technical standard	RBW:	Within 3% of the technical standard	VBW:	Same as RBW	Sweep time:	Auto	Sweep data points:	1001 or greater	Detector mode:	Positive peak	Indication mode:	Max hold	BW setting:	99%
Center Frequency:	Test frequency																		
Span:	2 - 3.5 times the technical standard																		
RBW:	Within 3% of the technical standard																		
VBW:	Same as RBW																		
Sweep time:	Auto																		
Sweep data points:	1001 or greater																		
Detector mode:	Positive peak																		
Indication mode:	Max hold																		
BW setting:	99%																		

6.4.1. EUT Operation

Operating Environment:					
Temperature:	22.3 °C	Humidity:	54 %	Atmospheric Pressure:	101.1 kPa

6.4.2. Test Setup Diagram:**6.4.3. Test Data**

Please Refer to Appendix for Details.

**6.5. Antenna Power and Tolerance**

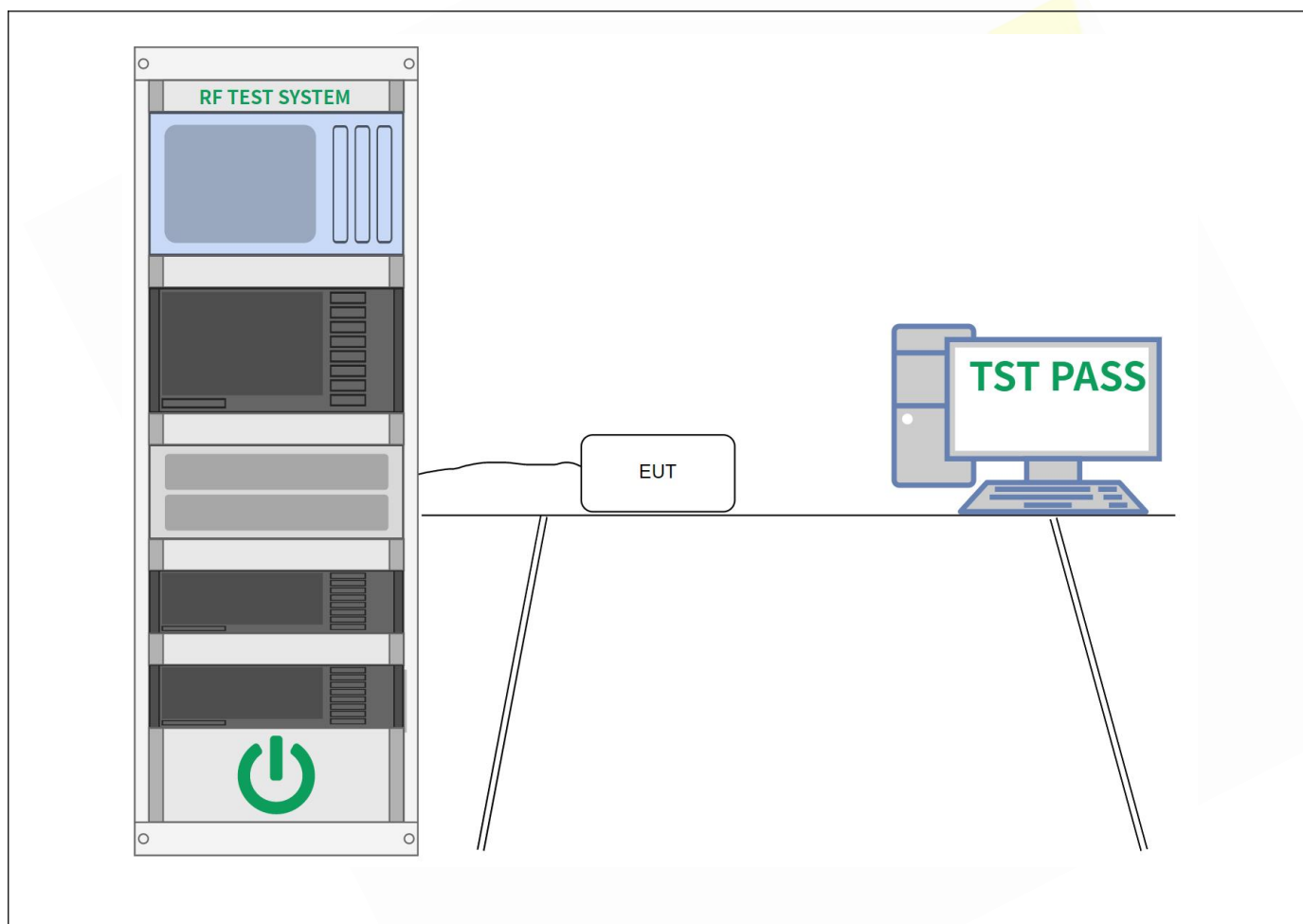
Test Limit:	Antenna Power: 10 mW or less Tolerance: +20% or less EIRP: 12.14dBm	
Test Method:	MIC Notice No.88 Appendix No. 43	
Procedure:	[Setting 1] – Search for peak power frequency	
	Center Frequency:	Test frequency
	Span:	Approximately twice the occupied bandwidth
	RBW:	1MHz
	VBW:	Approximately three times the RBW
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold
	[Setting 2] – Measurement of average antenna power for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	3 MHz (FHSS-Channel Spacing $\leq$ 1MHz) 1MHz (DSSS, OFDM, FHSS-Channel Spacing > 1MHz)
	Detector mode:	Sample
	Sweep:	Minimum time required to make an accurate measurement.
		For burst type (intermittent) transmission sweep time shall be greater than one burst interval
	Sweep data points:	1001 or greater
	[Setting 3] – Measurement of average antenna power other than for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	Bandwidth sufficient to cover that occupied by the carrier
	VBW:	Bandwidth sufficient to cover that occupied by the carrier
	Detector mode:	Sample
	Sweep:	Minimum time required to make an accurate measurement.
		For burst type (intermittent) transmission sweep time shall

		be greater than one burst interval
	Sweep data points:	1001 or greater
(1) After configuring the spectrum analyzer to [Setting 1], find the frequency of maximum transmitted power (2) After configuring the spectrum analyzer to [Setting 3], measure the Average Burst Power of the frequency found in (1) Antenna Power (Watts) = Average Burst Power		

6.5.1. EUT Operation

Operating Environment:					
Temperature:	21.2 °C	Humidity:	46.8 %	Atmospheric Pressure:	101.1 kPa

6.5.2. Test Setup Diagram:



6.5.3. Test Data

Please Refer to Appendix for Details.

**6.6. Spurious Emission Intensity**

Test Limit:	(1) Below 2387 MHz: 2.5 μ W (-26 dBm)/MHz or less (2) 2387 to 2400 MHz: 25.0 μ W (-16 dBm)/MHz or less (3) 2483.5 to 2496.5 MHz: 25.0 μ W (-16 dBm)/MHz or less (4) Over 2496.5 MHz: 2.5 μ W (-26 dBm)/MHz or less	
Test Method:	MIC Notice No.88 Appendix No. 43	
Procedure:	[Setting 1]	
	Frequency range:	(see Note 1)
	RBW:	1 MHz
	VBW:	1 MHz
	Sweep time:	Minimum time required to make an accurate measurement
	Sweep Data Points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold (see Note 2)
	Note 1:	Measurement range shall be 30 MHz to 12.5 GHz, except for the following cases: -FHSS, FHSS+DSSS, FHSS+OFDM:2374 MHz to 2509.5 MHz -Other than FHSS, FHSS+DSSS, FHSS+OFDM: 2400 MHz to 2483.5 MHz
	Note 2:	Sweep shall be repeated until the max hold waveform is stable.
	[Setting 2]	
	Center frequency:	Frequency of spurious emission found using [Setting 1]
	Span:	0 Hz
	RBW:	1 MHz
	VBW:	1 MHz
	Sweep time:	Minimum time required to make an accurate measurement. For burst type (intermittent) spurious emissions, sweep time shall be greater than one burst interval
	Sweep Data Points:	1001 or greater
	Detector mode:	Sample
	[Setting 3]	
	Frequency range:	2374 MHz to 2400 MHz 2483.5 MHz to 2509.5 MHz
	RBW:	30 kHz



VBW:	30 kHz
Sweep time:	Minimum time required to make an accurate measurement.
Sweep data points:	1001 or greater
Detector mode:	Positive peak
Indication mode:	Max hold

(1) After configuring the spectrum analyzer to [Setting 1], search for spurious emissions from 30 MHz to 12.5 GHz. If the sweep range does not cover the required measurement frequency range then the measurement range will need to be divided into sufficient sections of size [RBW x Sweep Data Points]. If spurious emissions greater than [Limit - 3dB] are found, then more detailed measurements are required, go to step (2)

(2) Configure the spectrum analyzer using [Setting 2] and measure the average signal amplitude.

If the spurious emission is burst type (intermittent), then the average value shall not include signal OFF time.

If spurious emissions ranging from 30 MHz to 2374 MHz and from 2509.5MHz to 12.5GHz are over the limit, then the test result is Fail.

If spurious emissions ranging from 2374 MHz to 2400 MHz and from 2483.5 MHz to 2509.5 MHz are over the limit, then further detailed measurements are required, go to step (3)

(3) In the following cases, measure the spurious emissions using [Setting 3]

- Case1: FHSS, FHSS+DSSS, FHSS+OFDM

- Case2: Other than FHSS, FHSS+DSSS, FHSS+OFDM, and the spurious emissions in step (2) are over the limit

(4) Calculate the spurious emission value (Calculated Value) using following the formula below:

Calculated Value = (Measured Value using (3) + 15.2dB)

Note: 15.2dB adjustment is derived from the Conversion Factor of RBW

Conversion Factor of RBW = $10 \times \log(\text{Reference Bandwidth} / \text{RBW of measurement}) = 15.2 \text{ [dB]}$ Where: Reference Bandwidth = 1 MHz

RBW of measurement = 30 kHz

(5) If the calculated value using (4) is over the Limit (section 6.7), go to (6)

(6) Configure the spectrum analyzer to [Setting 3] then make the following changes:

Frequency: Frequency of spurious emission

Span: 1 MHz

(7) After sweep, send the span data set to the PC

(8) Convert measured data from dBm to Watts

(9) Sum all the data using the formula below. If the sum is within the limit, the test result is Pass, otherwise, Fail

$$P_s = \left(\sum_{i=1}^n E_i \right) \times \frac{S_w}{RBW \times k \times n}$$

Ps: Sum (Watts)

Ei: Measured value at each point in the Span (Watts) Sw: Span (1MHz)

n: Number of measurement points in the Span

k: Correction factor for Equivalent Noise Bandwidth, specific to each spectrum analyzer, check the instrument user guide

RBW: Resolution Bandwidth (MHz).

(10) If the EUT has multiple antennas, measure the spurious emission from each individual antenna using steps (1) through (9)

(11) Convert the individual antenna spurious level measurements (step (10)) from dB to absolute values

(12) Combine (sum) the absolute values of the spurious measurements at each frequency for each antenna (to create a single composite spectrum of spurious emissions)

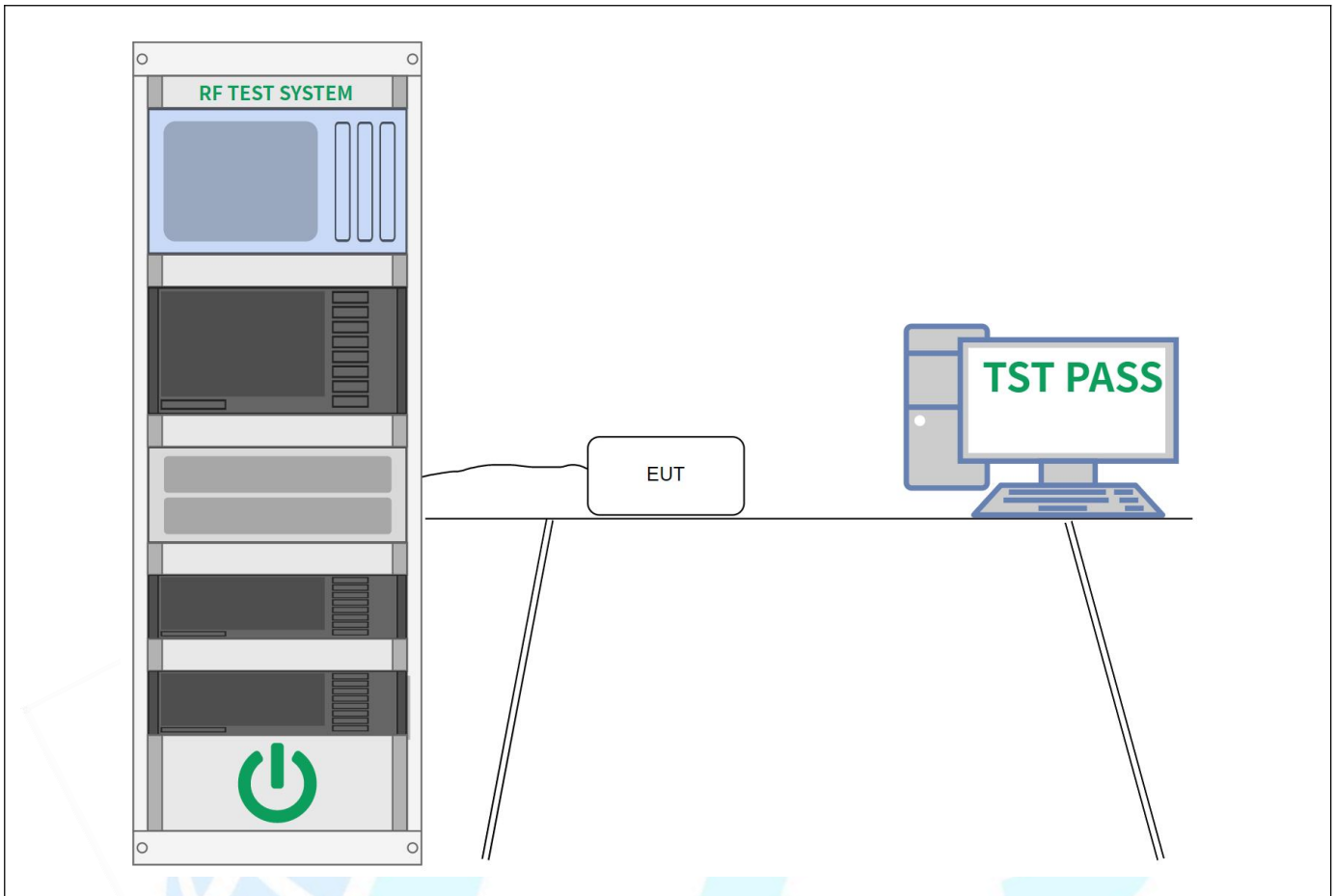
(13) Ensure that the composite spectrum does not exceed the Limit defined in 6.7 (Technical Standard)

(14) Configuring the spectrum analyzer using [Setting 3] and measure the spurious emissions with all the antennas electrically combined

6.6.1. EUT Operation

Operating Environment:

Temperature:	23 °C	Humidity:	55.4 %	Atmospheric Pressure:	101.1 kPa
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6.6.2. Test Setup Diagram:**6.6.3. Test Data**

Please Refer to Appendix for Details.

6.7. Secondary Radiated Emissions

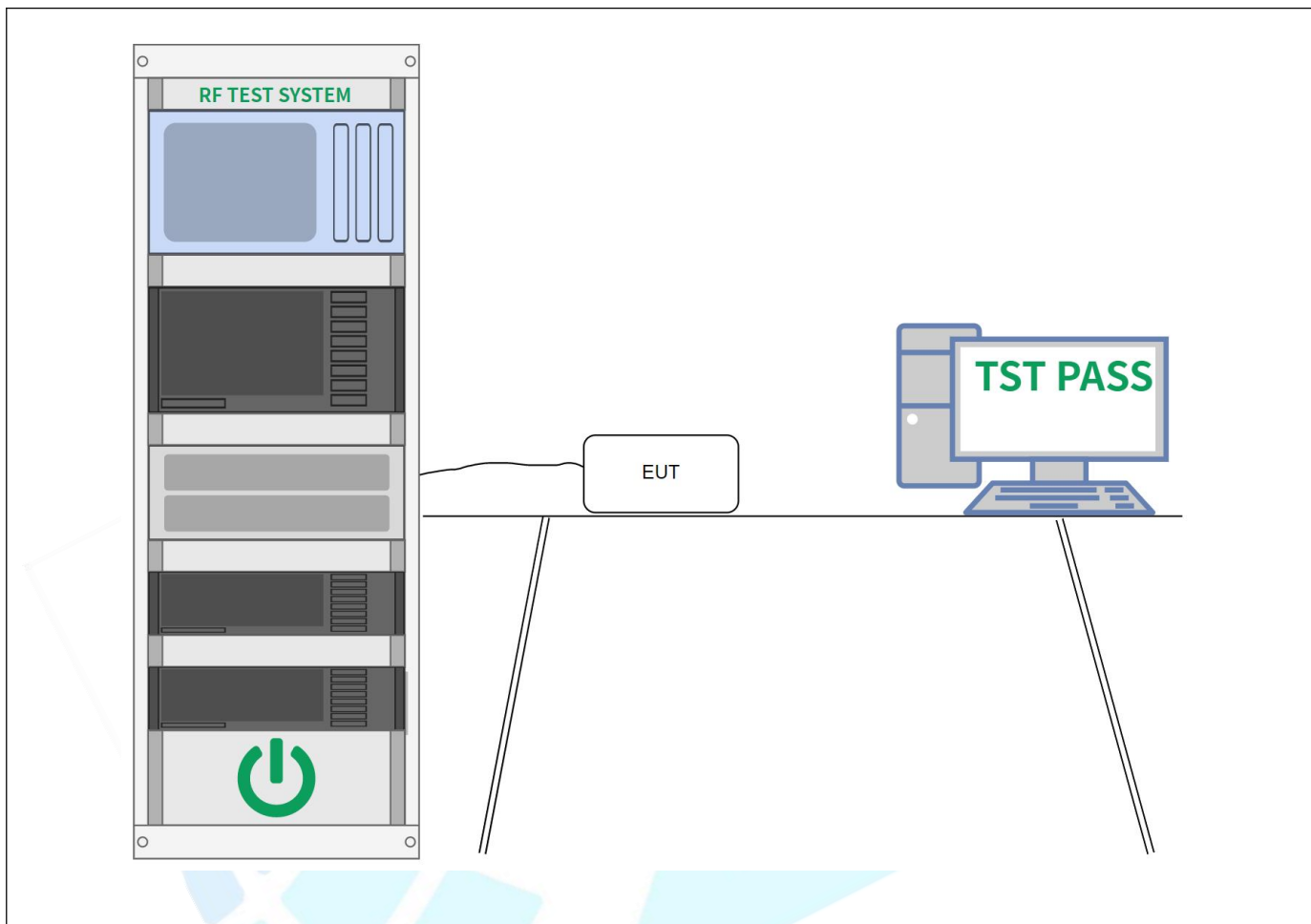
Test Limit:	(1) Below 1 GHz: 4 nW (-54dBm) or less (2) Above 1 GHz: 20 nW (-47dBm) or less	
Test Method:	MIC Notice No.88 Appendix No. 43	
Procedure:	[Setting 1]	
	Frequency range:	30 MHz ~ 12.5 GHz
	RBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	VBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold
	[Setting 2]	
	Center Frequency:	Frequency of spurious emission found using [Setting 1]
	Span:	0 Hz
	RBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	VBW:	Below 1 GHz:100 kHz
		Above 1 GHz:1 MHz
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Sample
	(1) Configure the spectrum analyzer to [Setting 1] and then search for spurious emissions in the range 30 MHz to 12.5GHz. If the sweep range does not cover the required measurement frequency range then the measurement range will need to be divided into sufficient sections of size [RBW x Sweep Data Points]. (2) If spurious emissions are found with an amplitude greater than [Limit - 10dB] then perform further detailed measurements as described in (3) (3) Configure the spectrum analyzer using [Setting 2] and measure the average signal amplitude. If the spurious emission is burst type (intermittent), then the average value shall not include signal OFF time Multiple Antenna Systems If the EUT has multiple antennas then emissions from each antenna shall be measured individually, as described below (4) For each antenna repeat steps (1) through (3). Convert all spurious level measurements from dB to absolute value (5) Combine (sum) the absolute values of the spurious measurements at each frequency for each antenna (to create a single composite spectrum of spurious emissions) (6) Ensure that the composite spectrum does not exceed the Limit	

6.7.1. EUT Operation

Operating Environment:

Temperature:	21.9 °C	Humidity:	48.5 %	Atmospheric Pressure:	101.1 kPa
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6.7.2. Test Setup Diagram:



6.7.3. Test Data

Please Refer to Appendix for Details.

7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

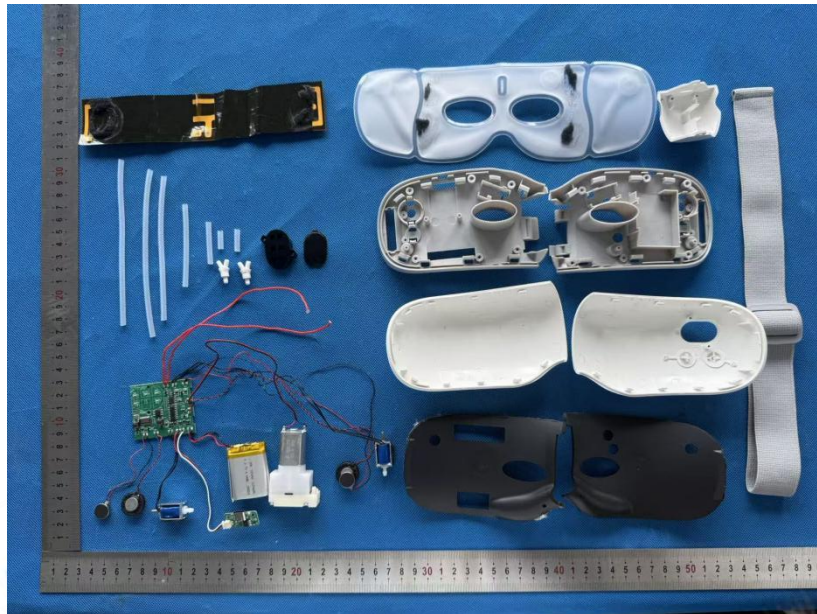


FIGURE 1

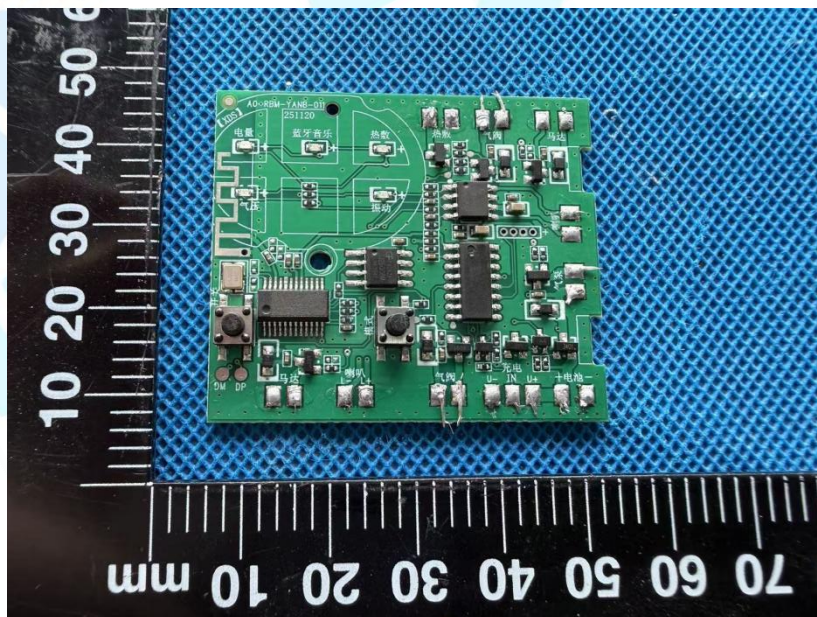


FIGURE 2

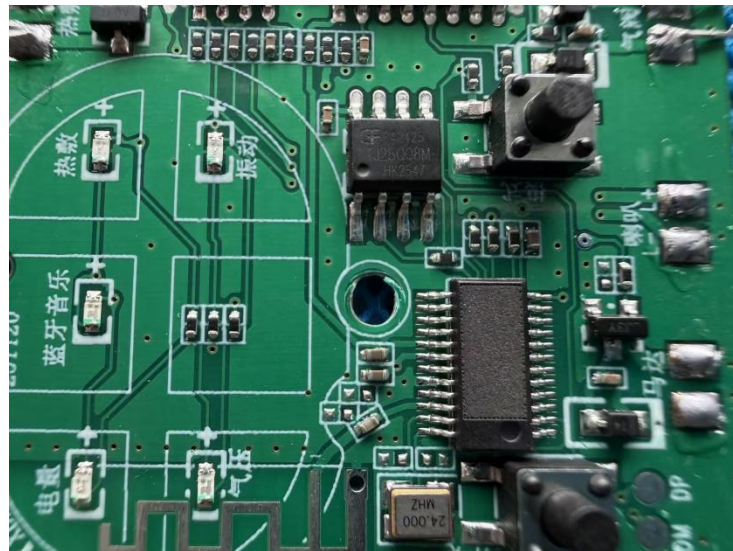


FIGURE 3

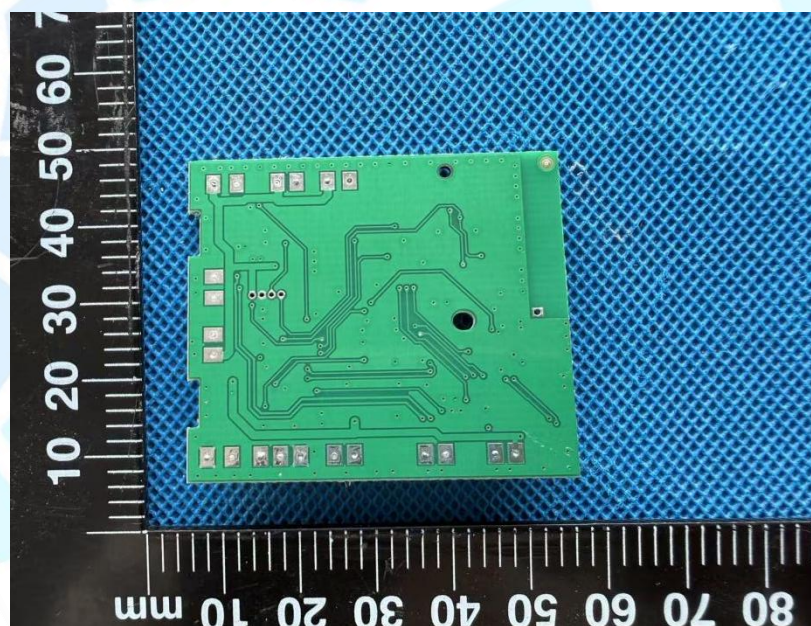


FIGURE 4

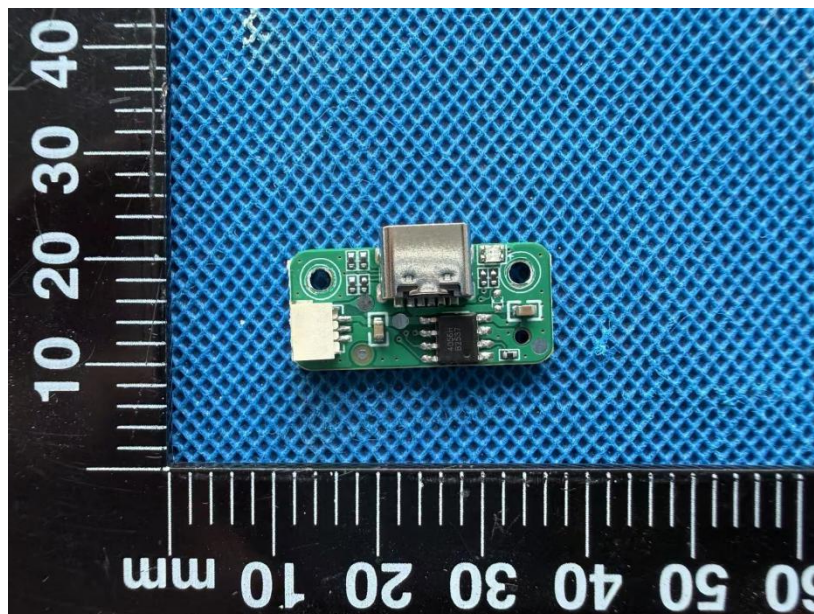


FIGURE 5

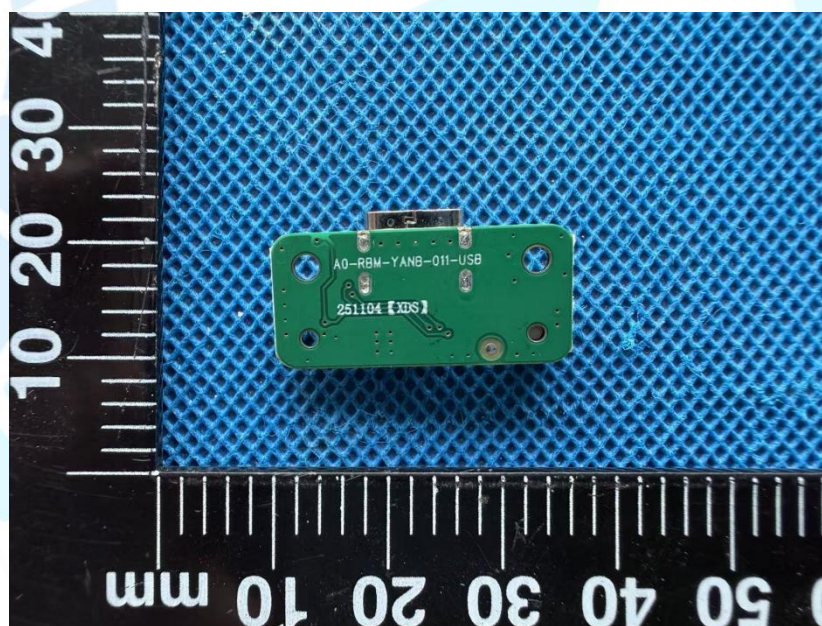


FIGURE 6

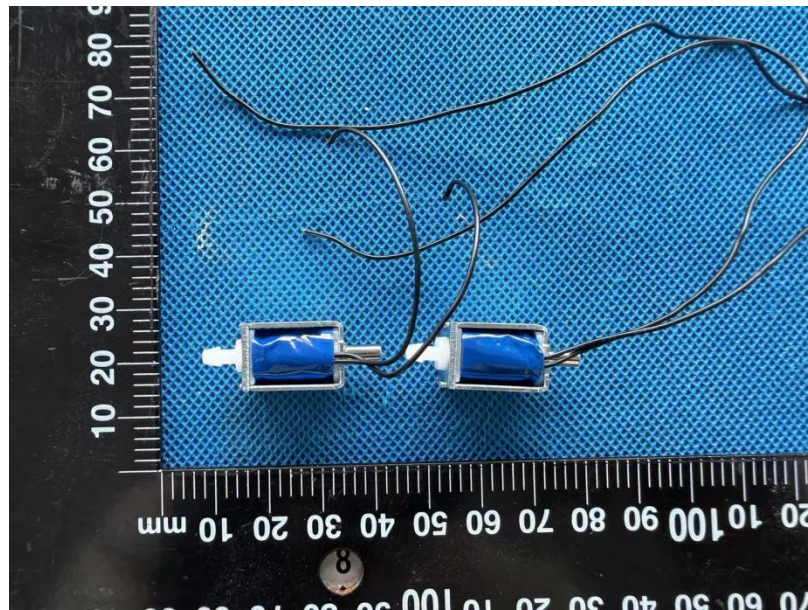


FIGURE 7

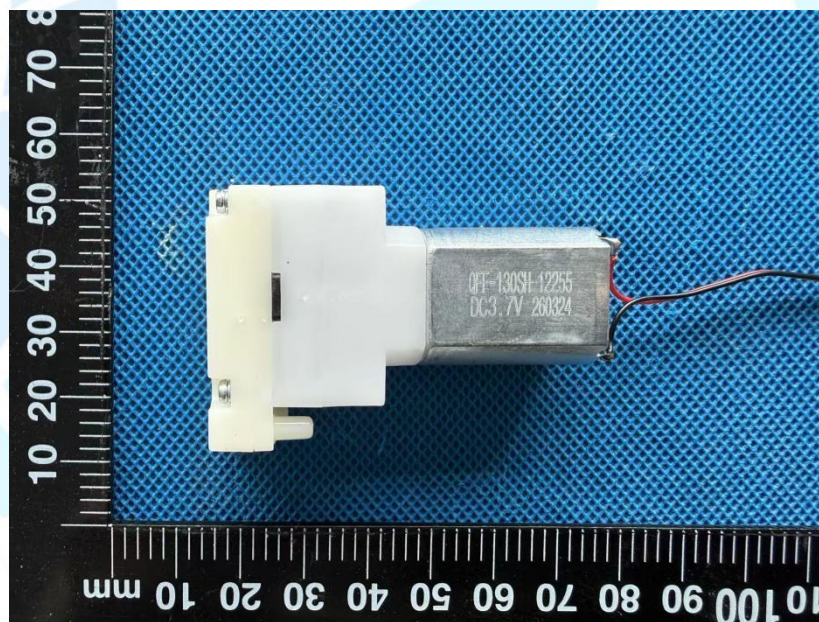


FIGURE 8

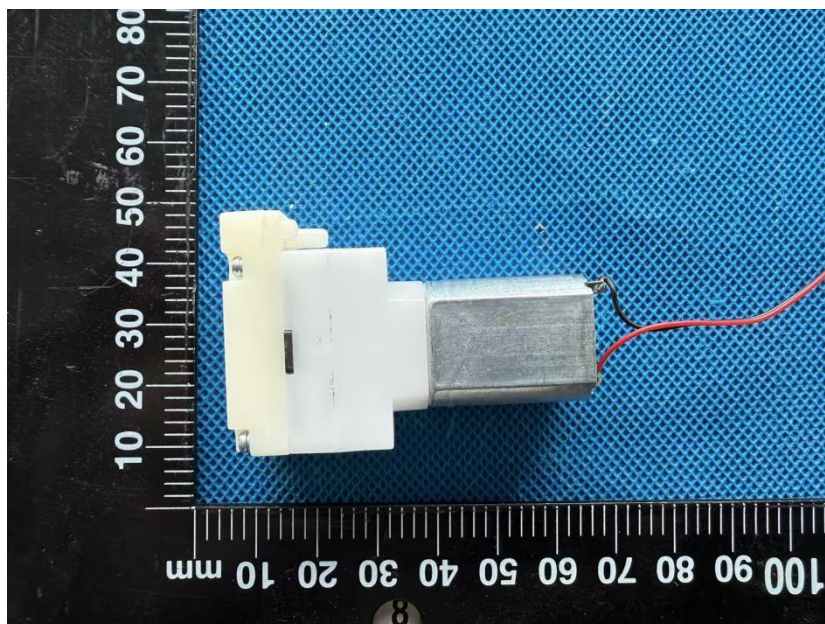


FIGURE 9

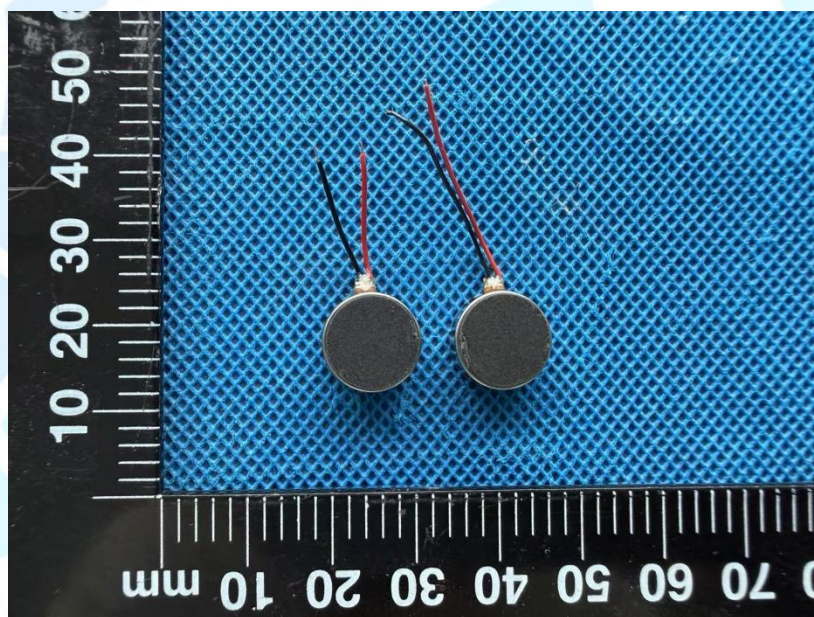


FIGURE 10



FIGURE 11



FIGURE 12

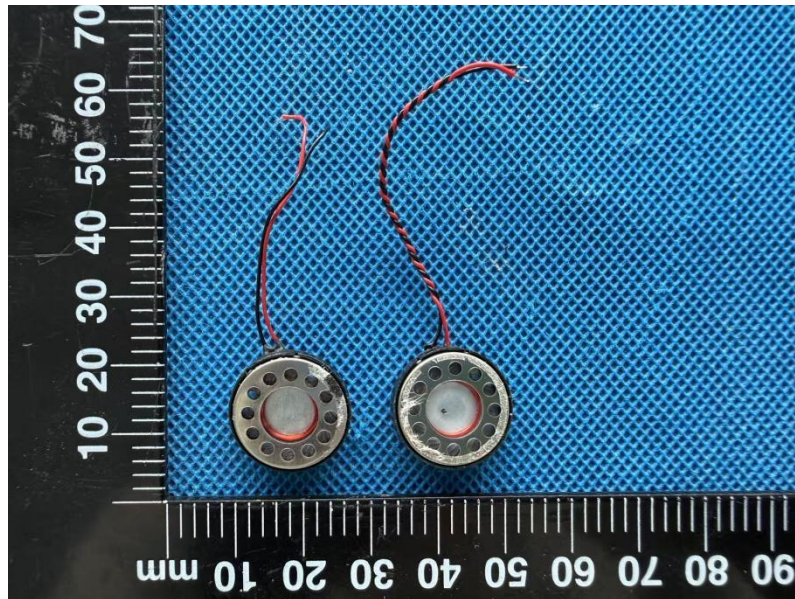


FIGURE 13

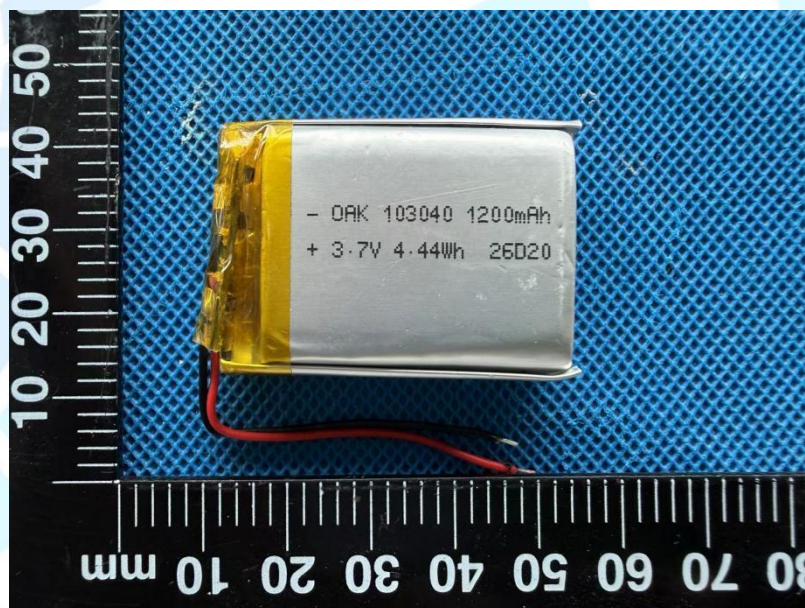


FIGURE 14

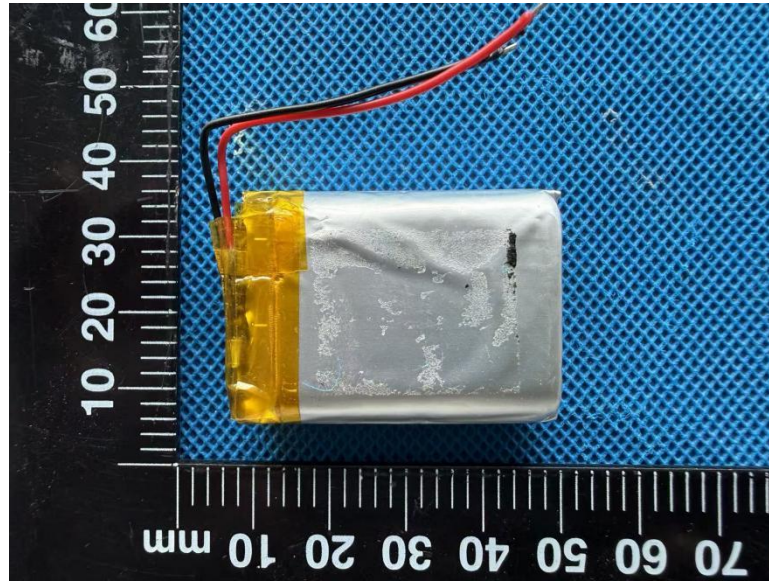


FIGURE 15



8. Appendix Report

1. Duty Cycle

1.1 Test Result

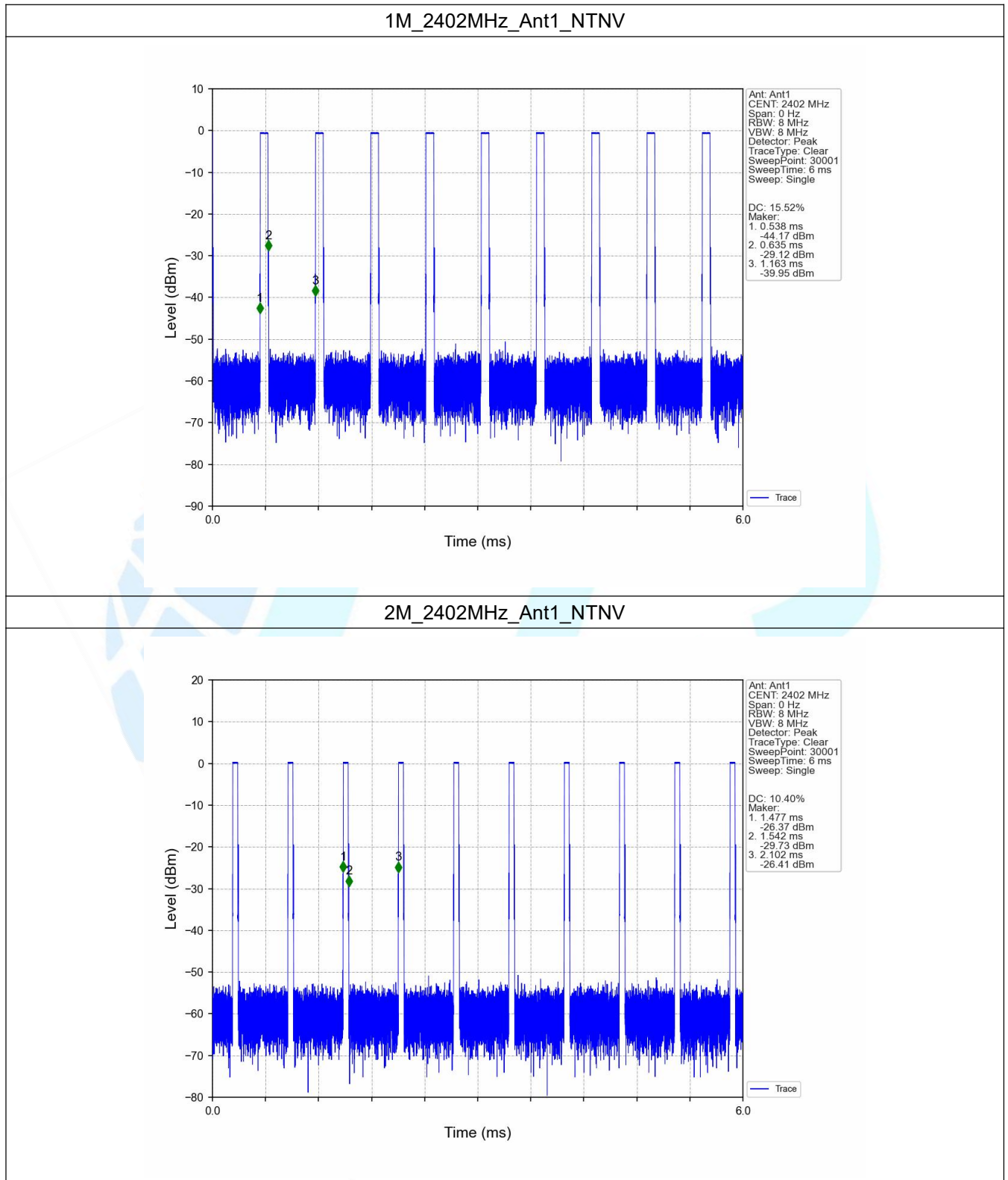
1.1.1 Ant1

Ant1								
ENV	Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	1M	SISO	2402	0.097	0.625	15.52	8.09	0.00
	2M	SISO	2402	0.065	0.625	10.40	9.83	0.03



1.2 Test Graph

1.2.1 Ant1





2. Frequency Error

2.1 Test Result

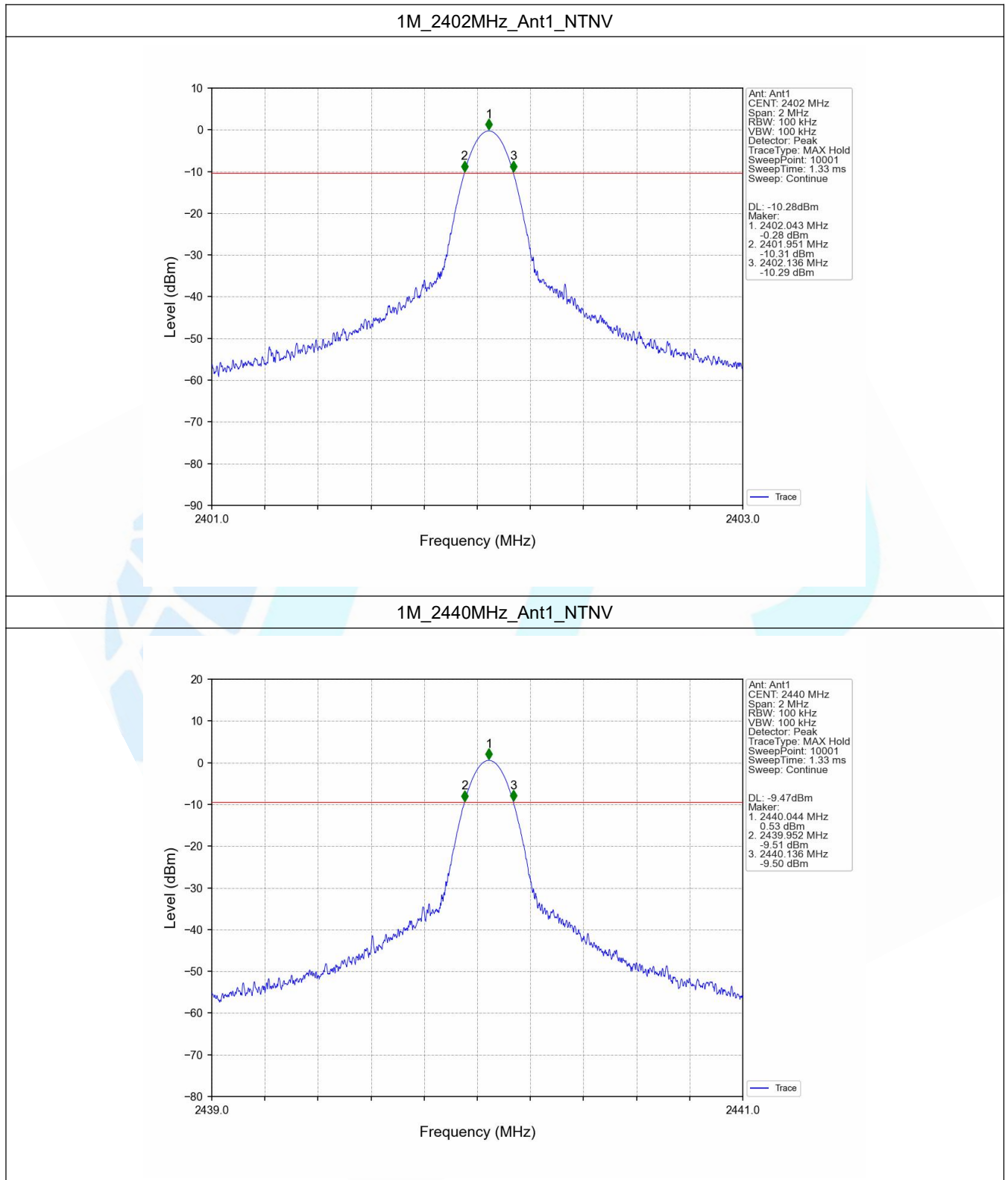
2.1.1 Ant1

Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	1M	SISO	2402	2402.044	18.11	-50 to 50	Pass
			2440	2440.044	18.03	-50 to 50	Pass
			2480	2480.044	17.94	-50 to 50	Pass
	2M	SISO	2402	2402.045	18.90	-50 to 50	Pass
			2440	2440.046	18.77	-50 to 50	Pass
			2480	2480.046	18.71	-50 to 50	Pass



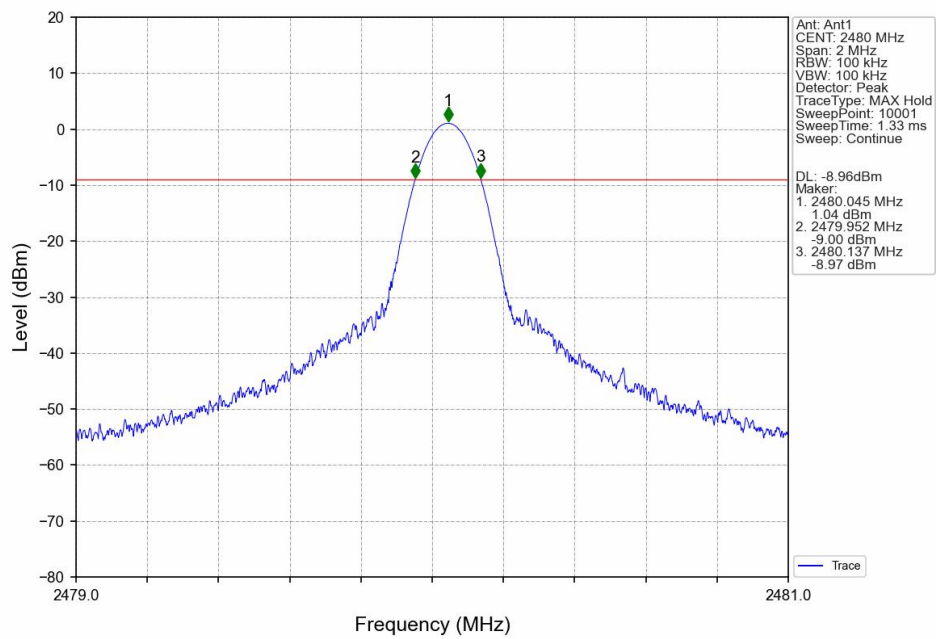
2.2 Test Graph

2.2.1 Ant1

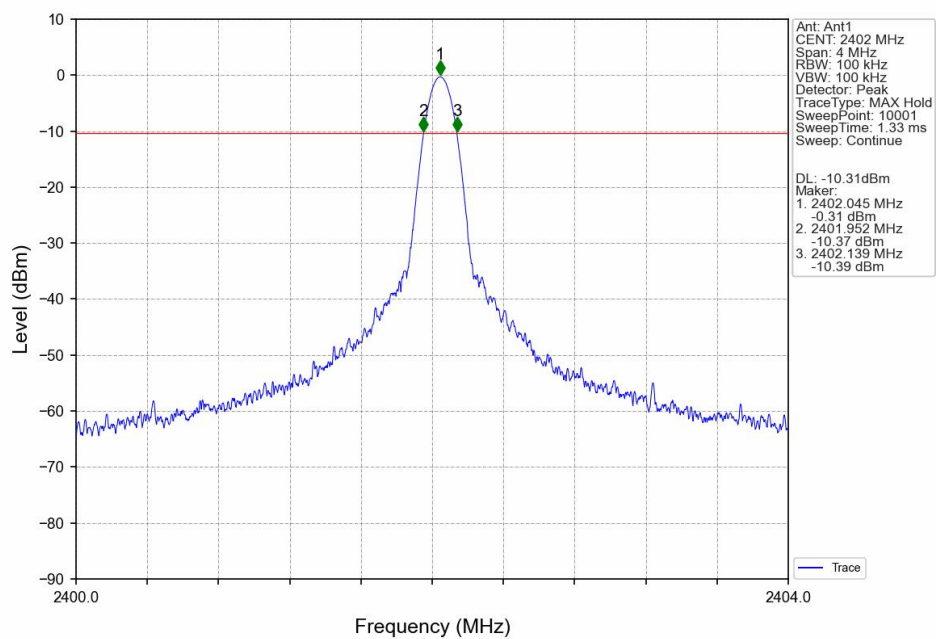




1M_2480MHz_Ant1_NTNV

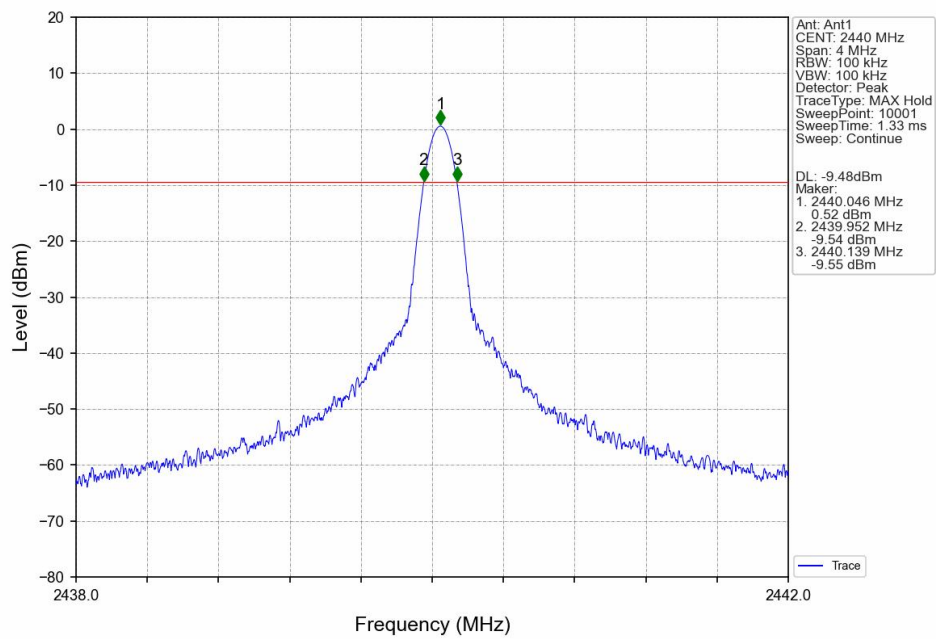


2M_2402MHz_Ant1_NTNV

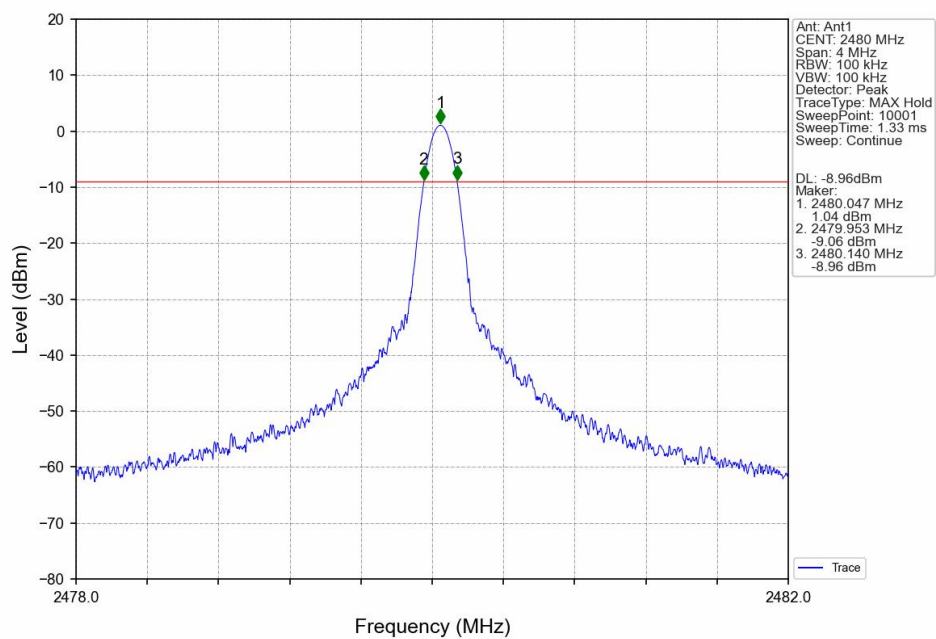




2M_2440MHz_Ant1_NTNV



2M_2480MHz_Ant1_NTNV





3. Occupied Bandwidth

3.1 Test Result

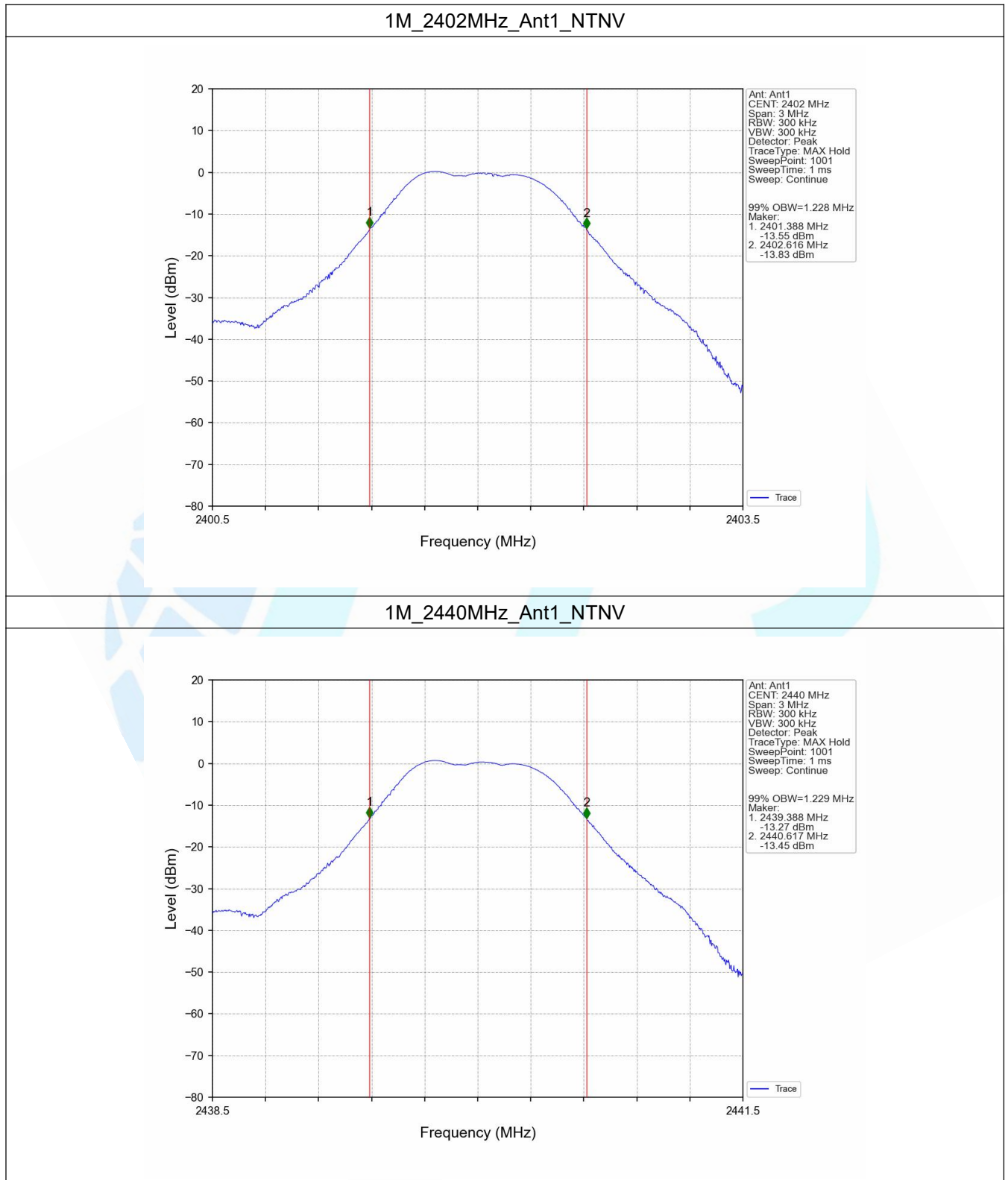
3.1.1 OBW

ENV	Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
				ANT1	Limit	
NTNV	1M	SISO	2402	1.228	<=26	Pass
			2440	1.229	<=26	Pass
			2480	1.230	<=26	Pass
	2M	SISO	2402	2.188	<=26	Pass
			2440	2.191	<=26	Pass
			2480	2.190	<=26	Pass



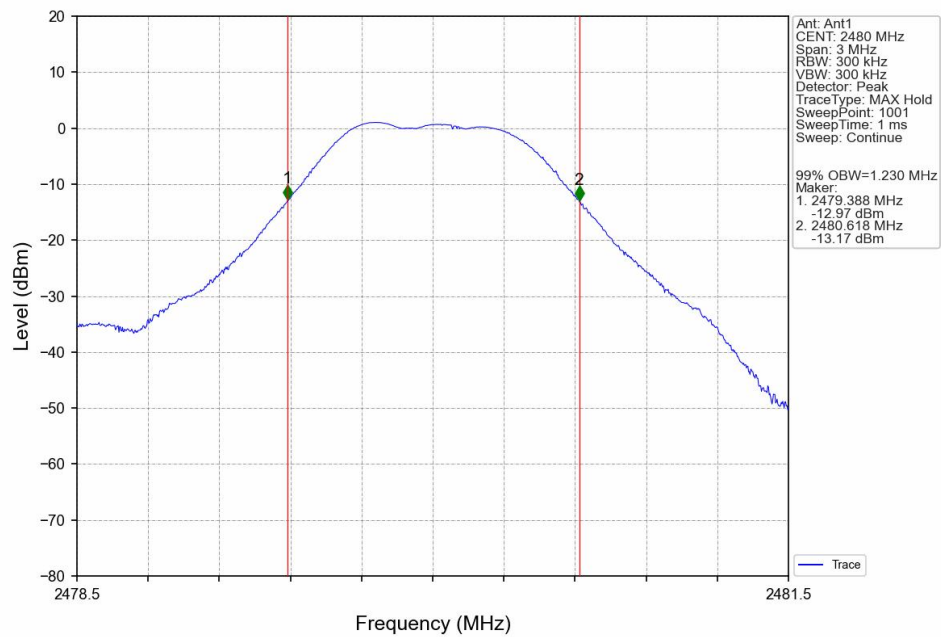
3.2 Test Graph

3.2.1 OBW

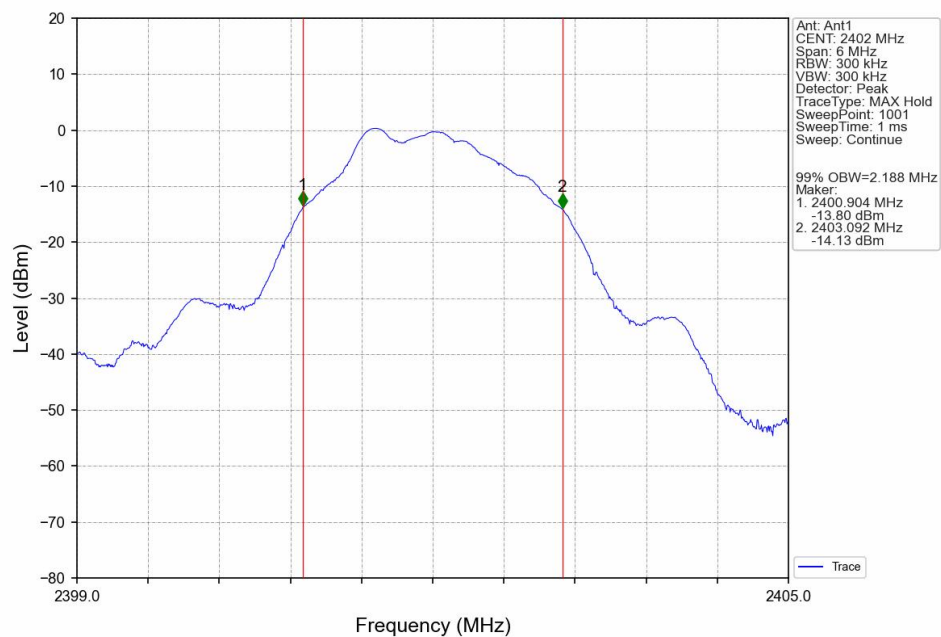




1M_2480MHz_Ant1_NTNV

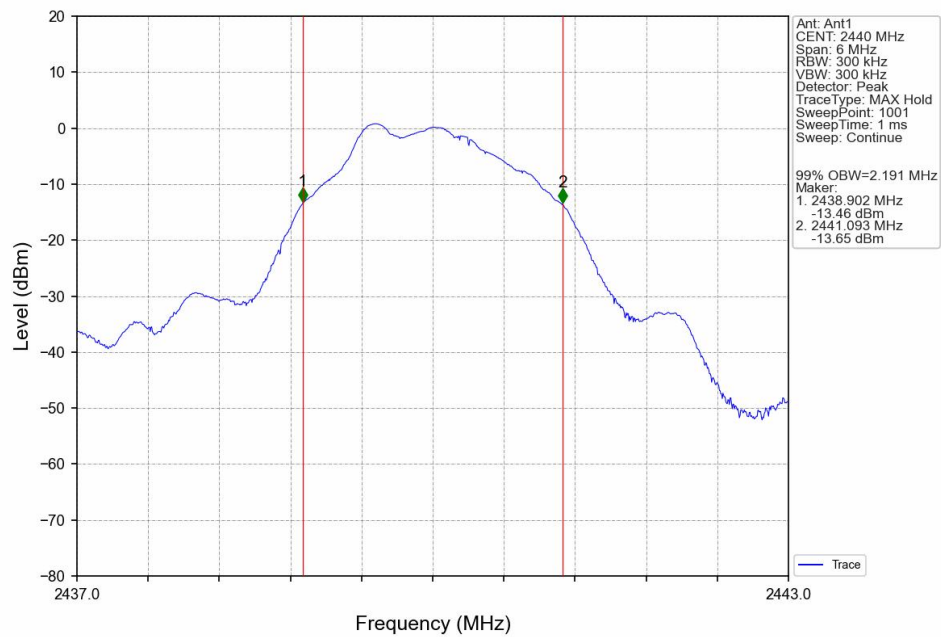


2M_2402MHz_Ant1_NTNV

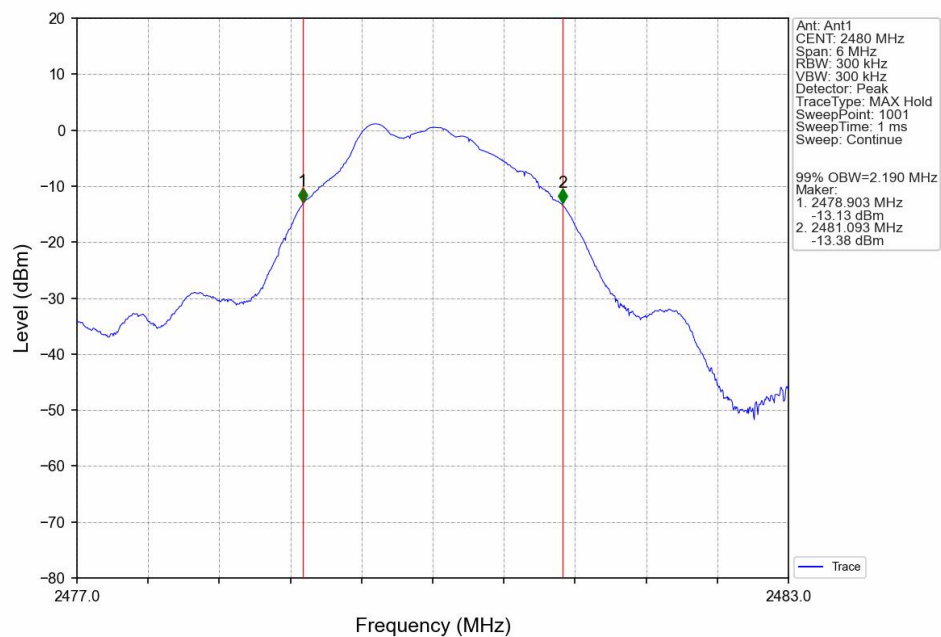




2M_2440MHz_Ant1_NTNV



2M_2480MHz_Ant1_NTNV





4. Antenna Power

4.1 Test Result

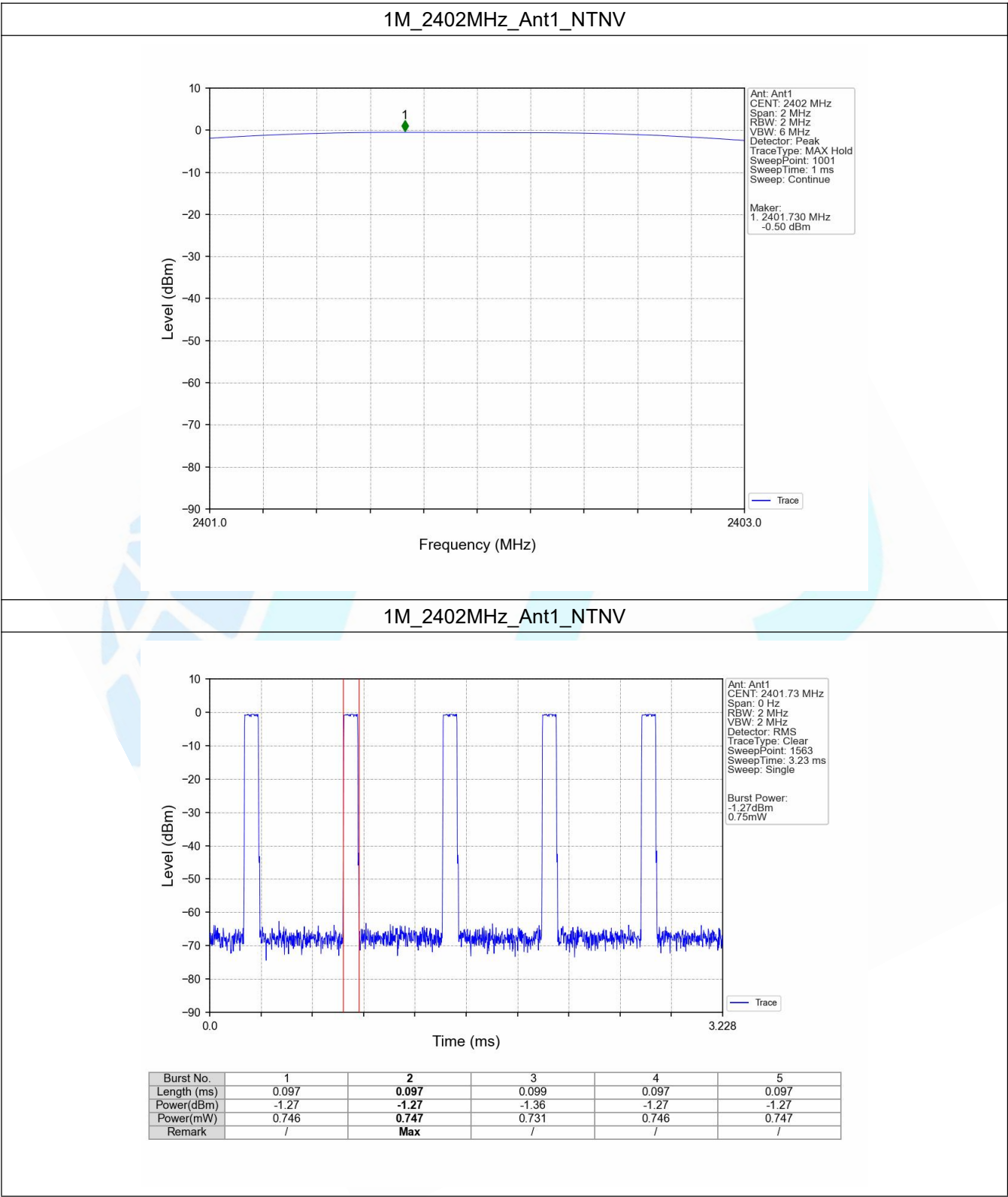
4.1.1 Power

ENV	Mode	TX Type	Frequency (MHz)	ANT	Antenna Power (mW)		Nominal Power (mW)	Tolerance (%)		Verdict
					Measured	Limit		Measured	Limit	
NTNV	1M	SISO	2402	1	0.747	<=10.00	0.750	-0.40	<=20	Pass
			2440	1	0.736	<=10.00	0.750	-1.87	<=20	Pass
			2480	1	0.676	<=10.00	0.750	-9.87	<=20	Pass
	2M	SISO	2402	1	0.691	<=10.00	0.690	0.14	<=20	Pass
			2440	1	0.620	<=10.00	0.690	-10.14	<=20	Pass
			2480	1	0.626	<=10.00	0.690	-9.28	<=20	Pass



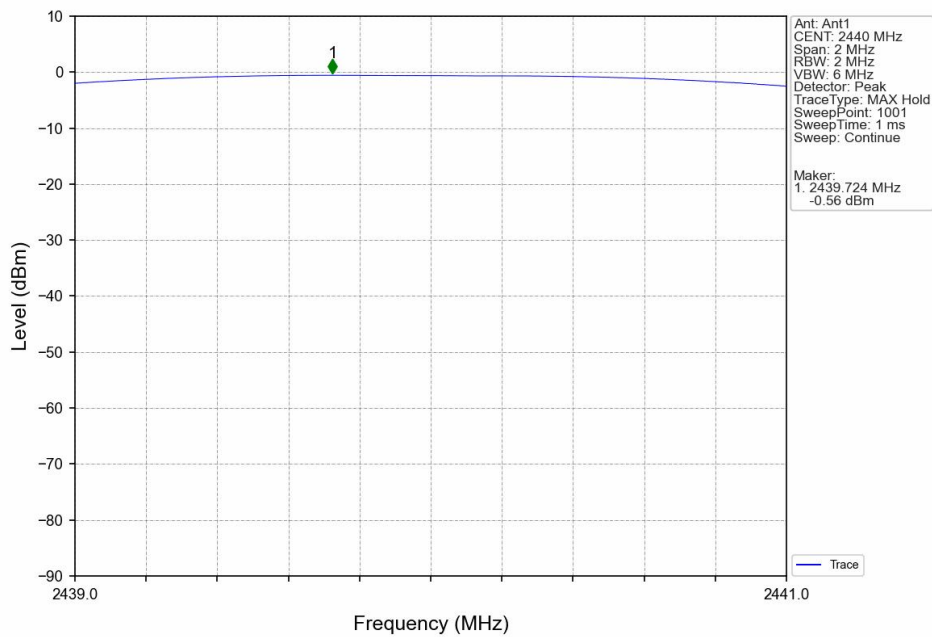
4.2 Test Graph

4.2.1 Power

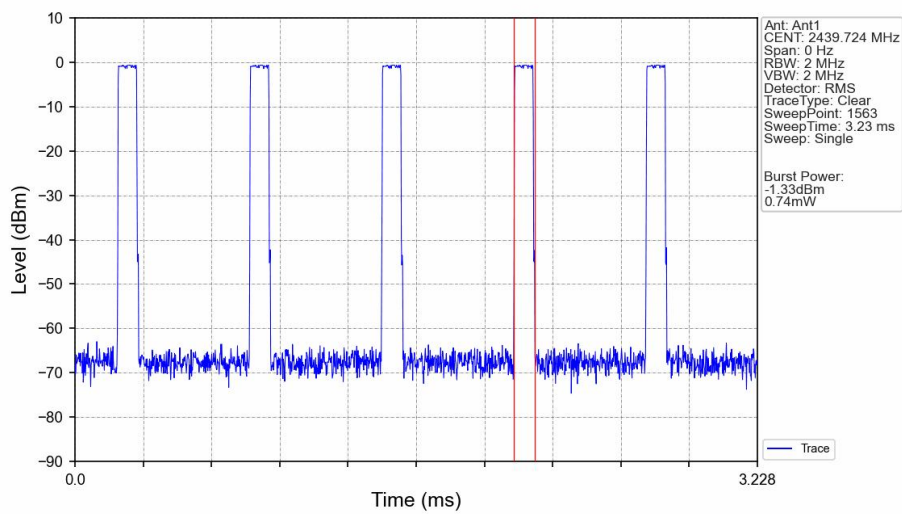




1M_2440MHz_Ant1_NTNV



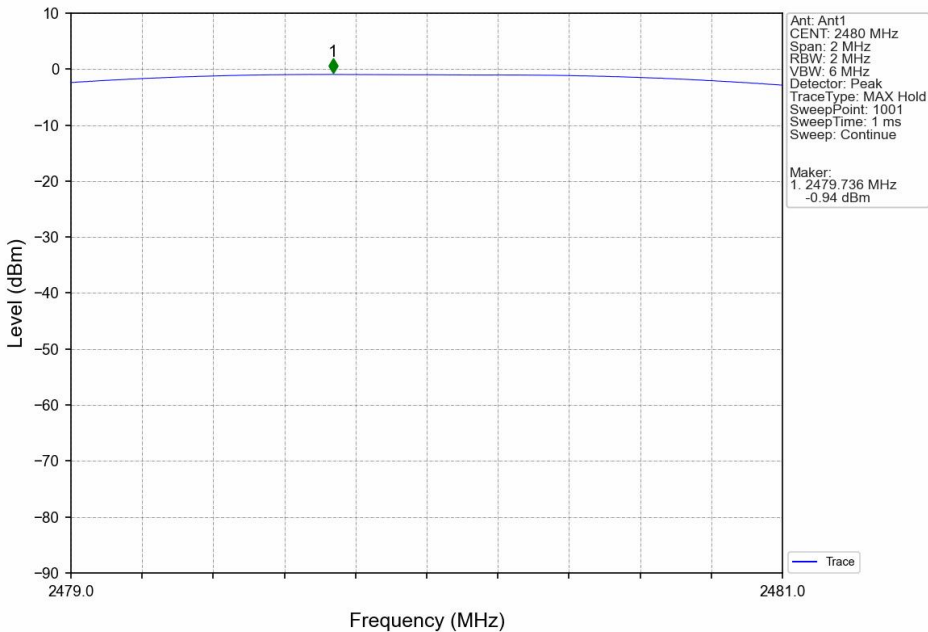
1M_2440MHz_Ant1_NTNV



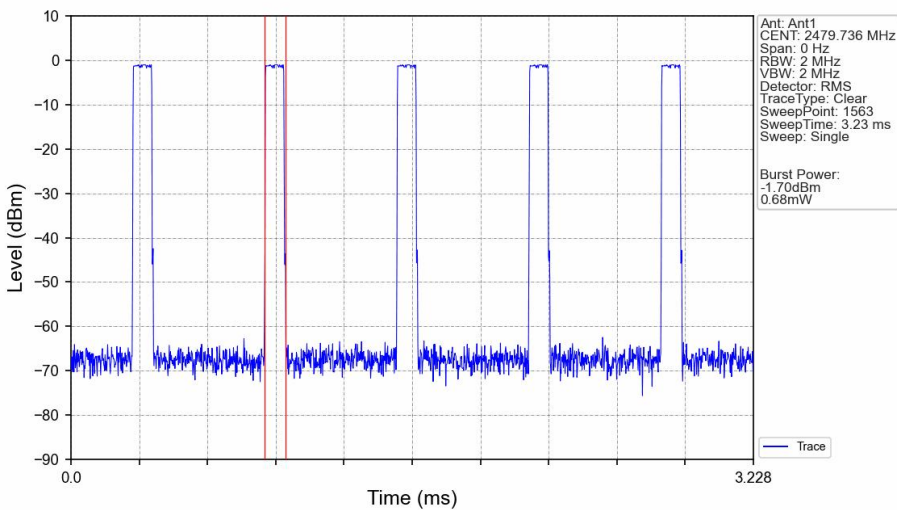
Burst No.	1	2	3	4	5
Length (ms)	0.097	0.097	0.099	0.097	0.097
Power(dBm)	-1.34	-1.33	-1.43	-1.33	-1.33
Power(mW)	0.735	0.736	0.720	0.736	0.736
Remark	/	/	/	Max	/



1M_2480MHz_Ant1_NTNV



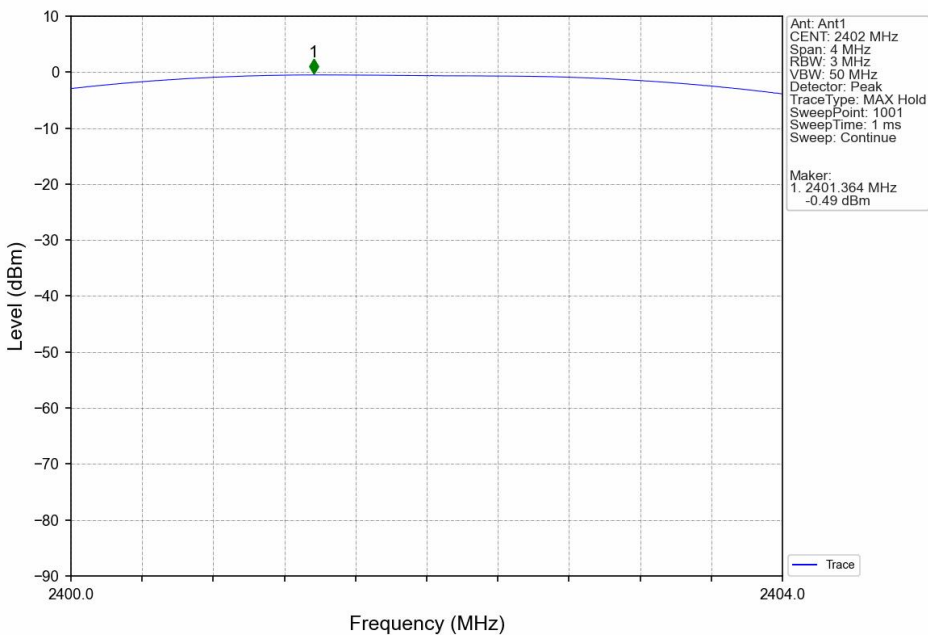
1M_2480MHz_Ant1_NTNV



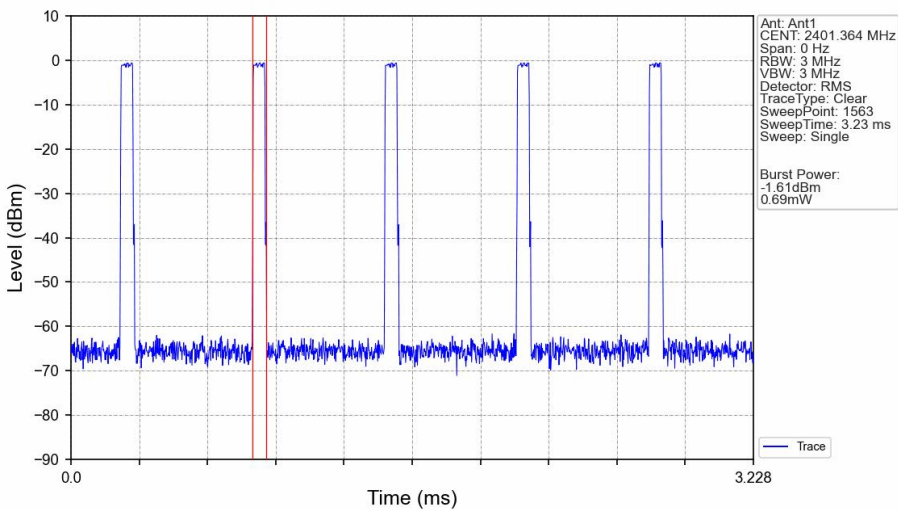
Burst No.	1	2	3	4	5
Length (ms)	0.097	0.097	0.097	0.099	0.097
Power(dBm)	-1.71	-1.70	-1.71	-1.80	-1.70
Power(mW)	0.675	0.676	0.675	0.661	0.675
Remark	/	Max	/	/	/



2M_2402MHz_Ant1_NTNV



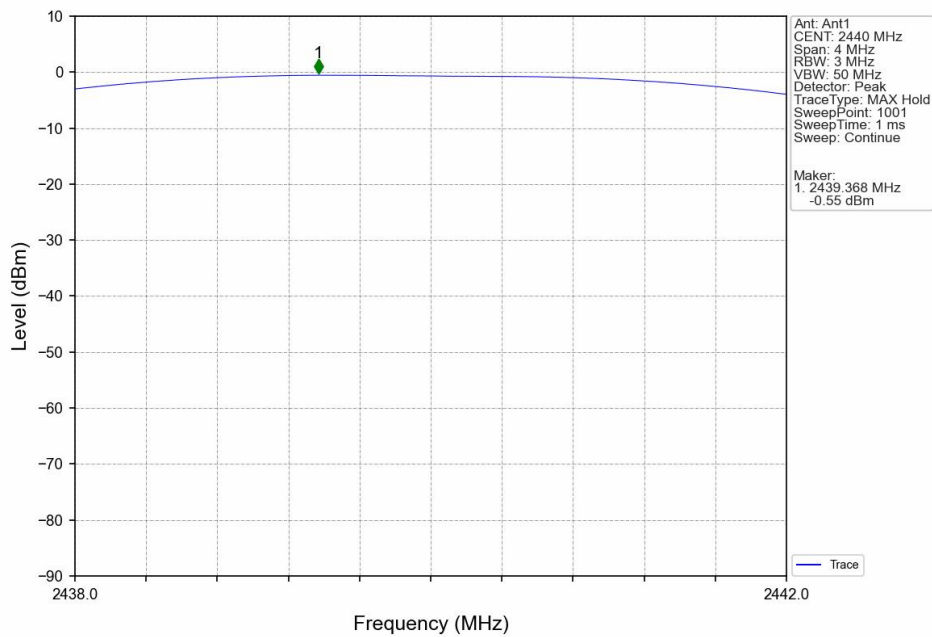
2M_2402MHz_Ant1_NTNV



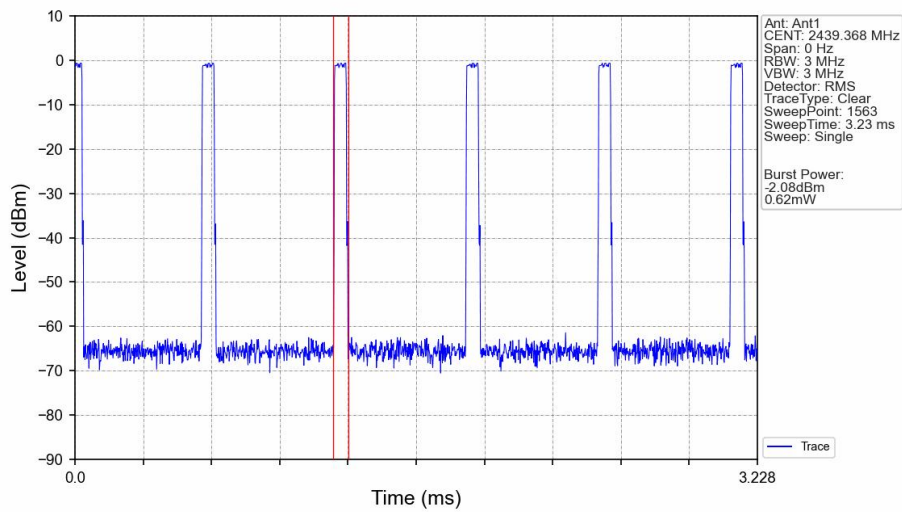
Burst No.	1	2	3	4	5
Length (ms)	0.066	0.064	0.066	0.066	0.066
Power(dBm)	-1.75	-1.61	-1.75	-1.74	-1.74
Power(mW)	0.668	0.691	0.669	0.670	0.670
Remark	/	Max	/	/	/



2M_2440MHz_Ant1_NTNV



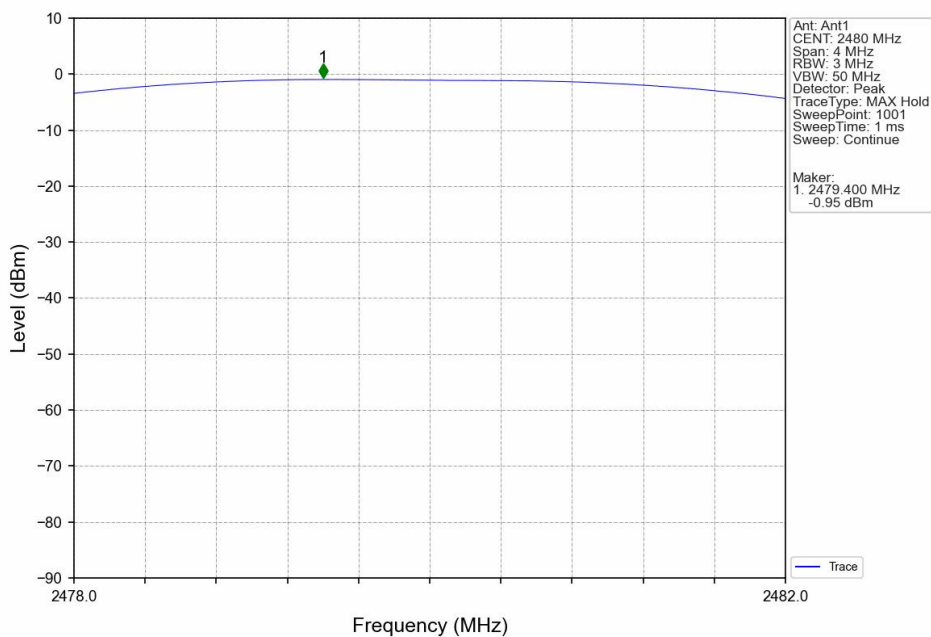
2M_2440MHz_Ant1_NTNV



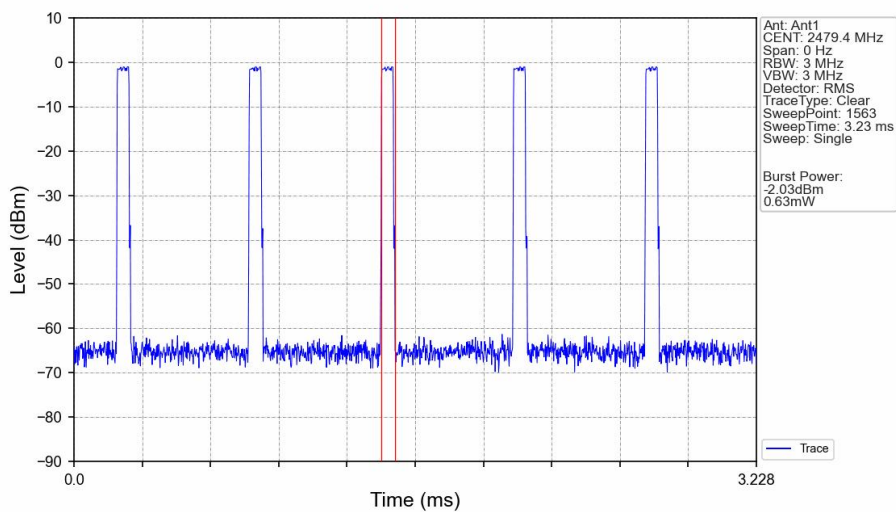
Burst No.	1	2	3	4	5
Length (ms)	0.072	0.070	0.072	0.072	0.072
Power(dBm)	-2.20	-2.08	-2.19	-2.19	-2.19
Power(mW)	0.603	0.620	0.603	0.604	0.604
Remark	/	Max	/	/	/



2M_2480MHz_Ant1_NTNV



2M_2480MHz_Ant1_NTNV



Burst No.	1	2	3	4	5
Length (ms)	0.064	0.066	0.064	0.066	0.066
Power(dBm)	-2.04	-2.17	-2.03	-2.17	-2.18
Power(mW)	0.626	0.607	0.626	0.607	0.606
Remark	/	/	Max	/	/



5. Spurious Emission Intensity

5.1 Test Result

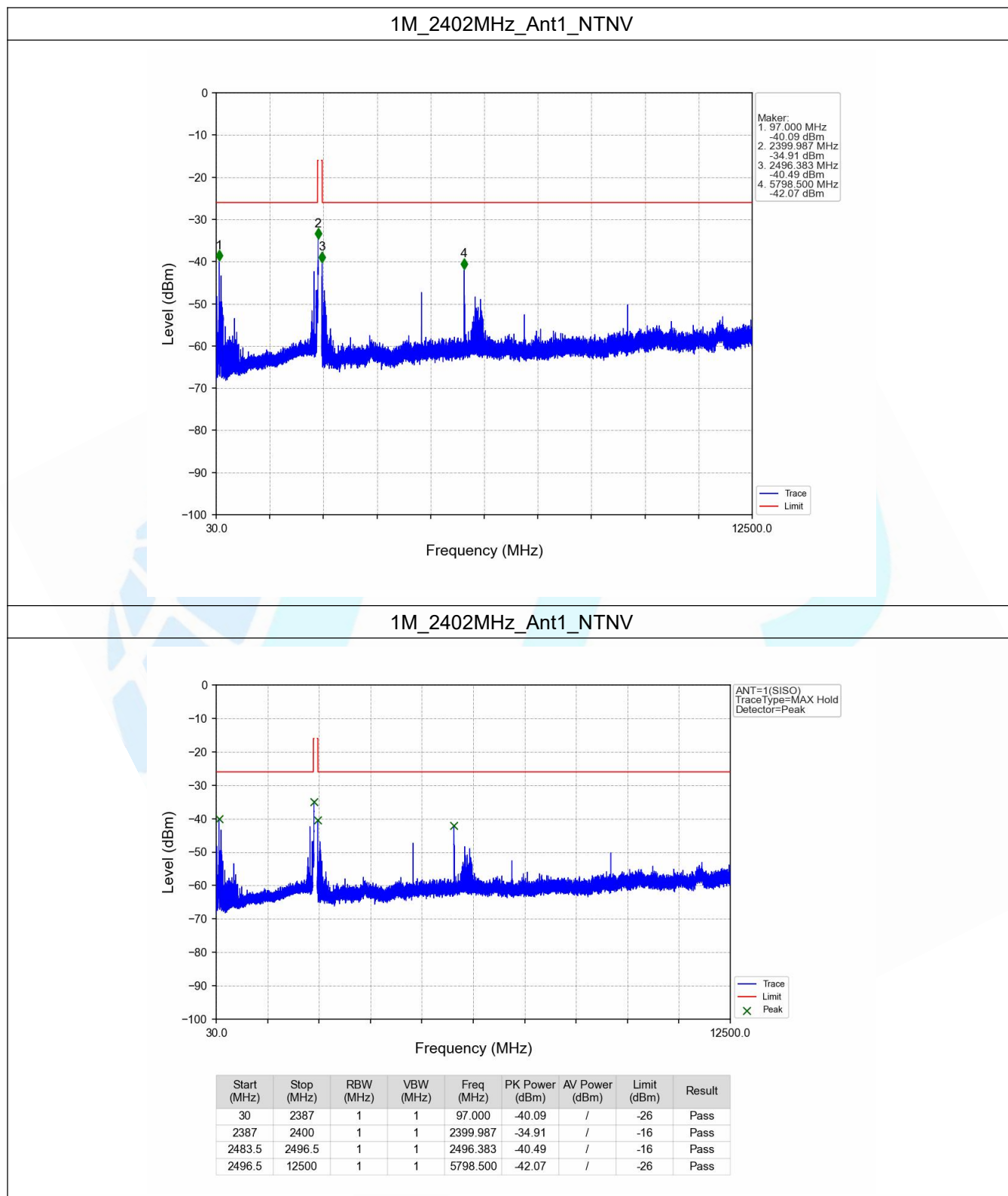
5.1.1 TxSe_NTNV

NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
1M	SISO	2402	1	30	2387	97	-40.09	0.098	/	/	2.5	Pass
				2387	2400	2399.987	-34.91	0.323	/	/	25	Pass
				2483.5	2496.5	2496.383	-40.49	0.089	/	/	25	Pass
				2496.5	12500	5798.5	-42.07	0.062	/	/	2.5	Pass
		2440	1	30	2387	97	-40.01	0.100	/	/	2.5	Pass
				2387	2400	2392.278	-45.59	0.028	/	/	25	Pass
				2483.5	2496.5	2488.05	-45.51	0.028	/	/	25	Pass
				2496.5	12500	5797.5	-41.49	0.071	/	/	2.5	Pass
		2480	1	30	2387	97	-40.04	0.099	/	/	2.5	Pass
				2387	2400	2388.014	-52.25	0.006	/	/	25	Pass
				2483.5	2496.5	2483.578	-44.98	0.032	/	/	25	Pass
				2496.5	12500	5798.5	-40.01	0.100	/	/	2.5	Pass
2M	SISO	2402	1	30	2387	96.5	-40.87	0.082	/	/	2.5	Pass
				2387	2400	2399.987	-22.56	5.546	/	/	25	Pass
				2483.5	2496.5	2496.487	-39.66	0.108	/	/	25	Pass
				2496.5	12500	2546	-47.73	0.017	/	/	2.5	Pass
		2440	1	30	2387	97	-40.50	0.089	/	/	2.5	Pass
				2387	2400	2392.486	-45.39	0.029	/	/	25	Pass
				2483.5	2496.5	2487.556	-45.71	0.027	/	/	25	Pass
				2496.5	12500	4879.5	-45.82	0.026	/	/	2.5	Pass
		2480	1	30	2387	96.5	-40.17	0.096	/	/	2.5	Pass
				2387	2400	2388.196	-52.62	0.005	/	/	25	Pass
				2483.5	2496.5	2483.539	-44.86	0.033	/	/	25	Pass
				2496.5	12500	4961.5	-47.60	0.017	/	/	2.5	Pass



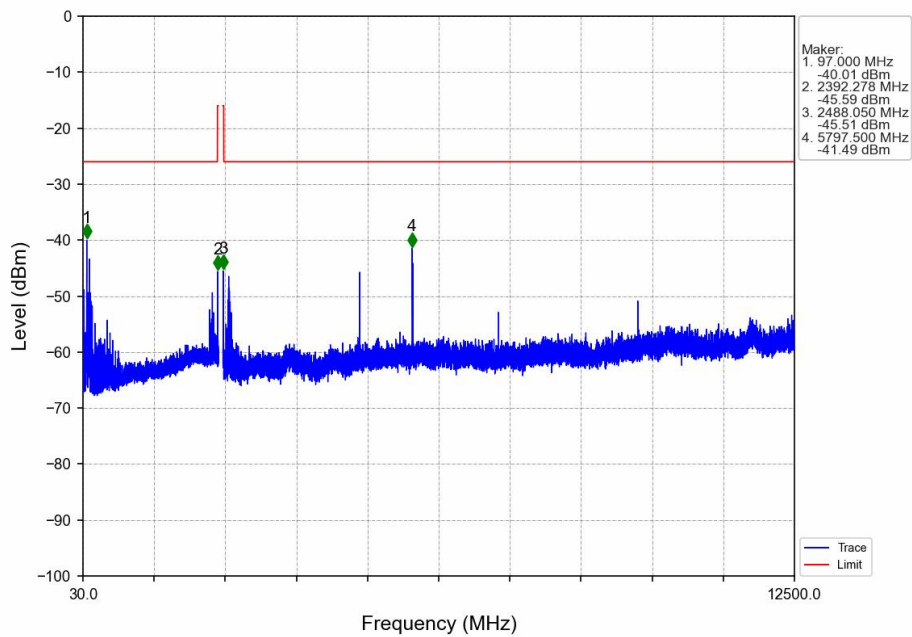
5.2 Test Graph

5.2.1 TxSe_NTNV

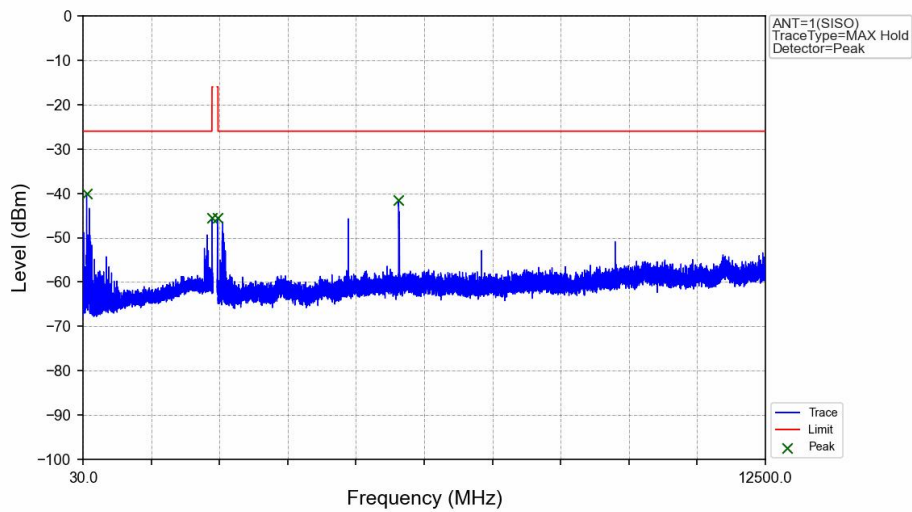




1M_2440MHz_Ant1_NTNV



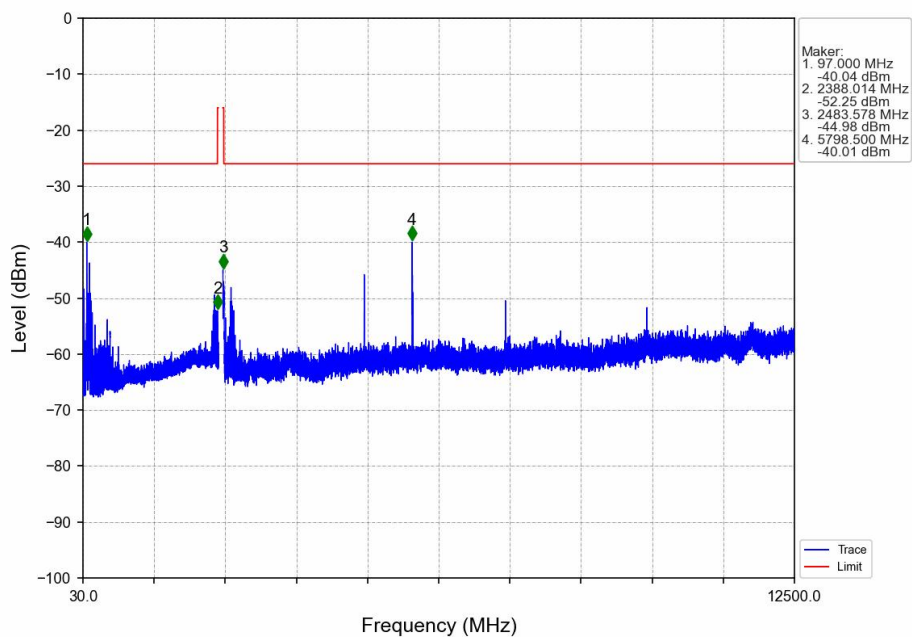
1M_2440MHz_Ant1_NTNV



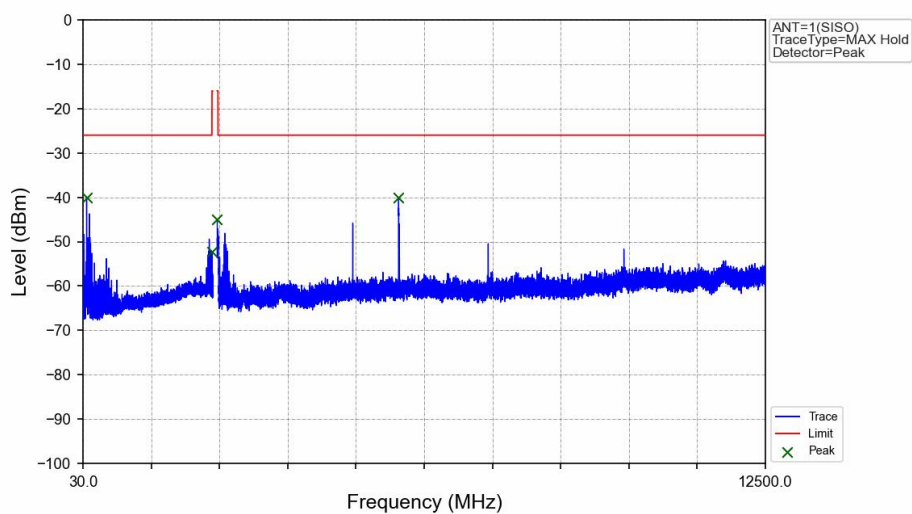
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	97.000	-40.01	/	-26	Pass
2387	2400	1	1	2392.278	-45.59	/	-16	Pass
2483.5	2496.5	1	1	2488.050	-45.51	/	-16	Pass
2496.5	12500	1	1	5797.500	-41.49	/	-26	Pass



1M_2480MHz_Ant1_NTNV



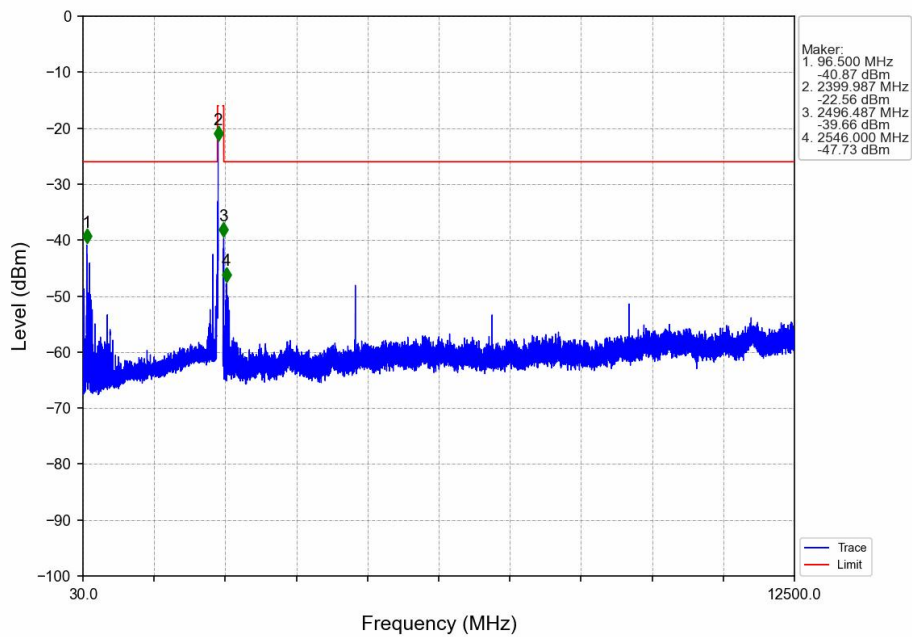
1M_2480MHz_Ant1_NTNV



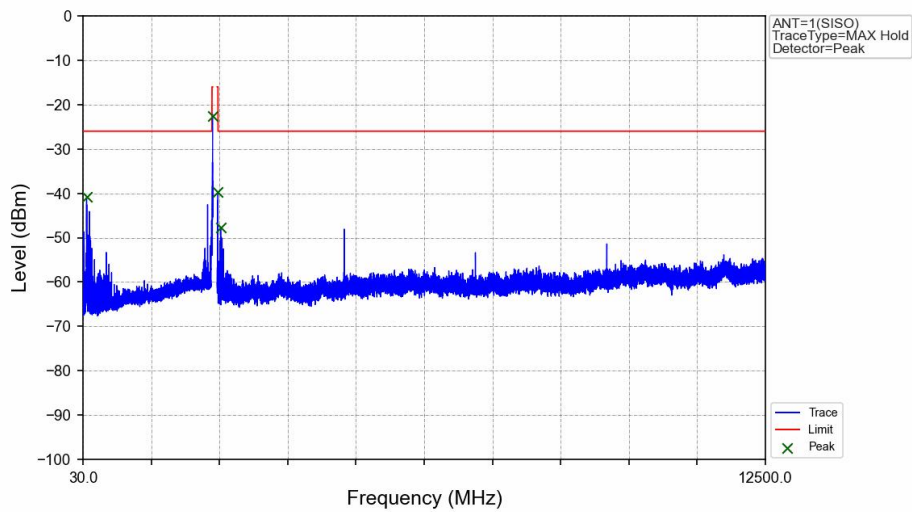
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	97.000	-40.04	/	-26	Pass
2387	2400	1	1	2388.014	-52.25	/	-16	Pass
2483.5	2496.5	1	1	2483.578	-44.98	/	-16	Pass
2496.5	12500	1	1	5798.500	-40.01	/	-26	Pass



2M_2402MHz_Ant1_NTNV



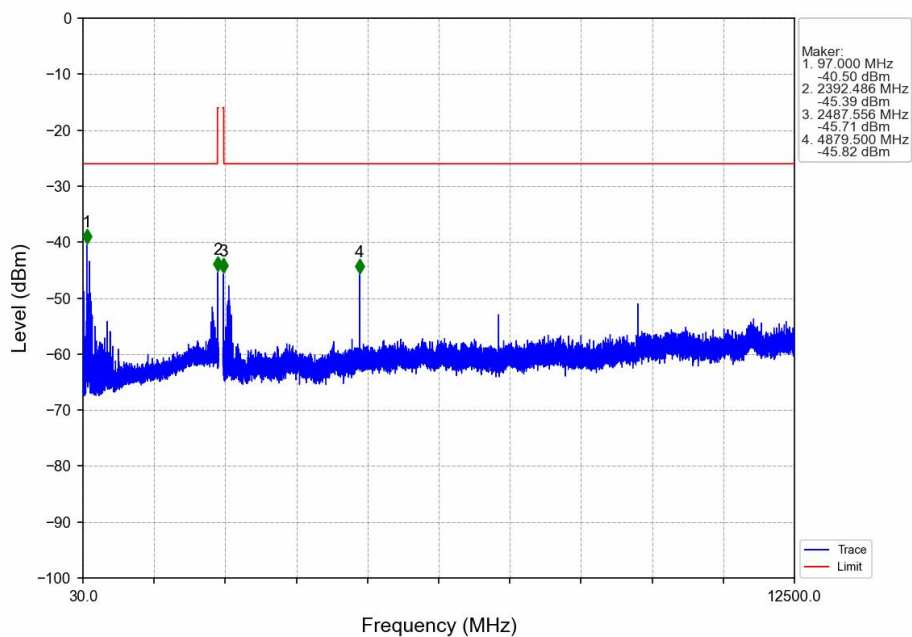
2M_2402MHz_Ant1_NTNV



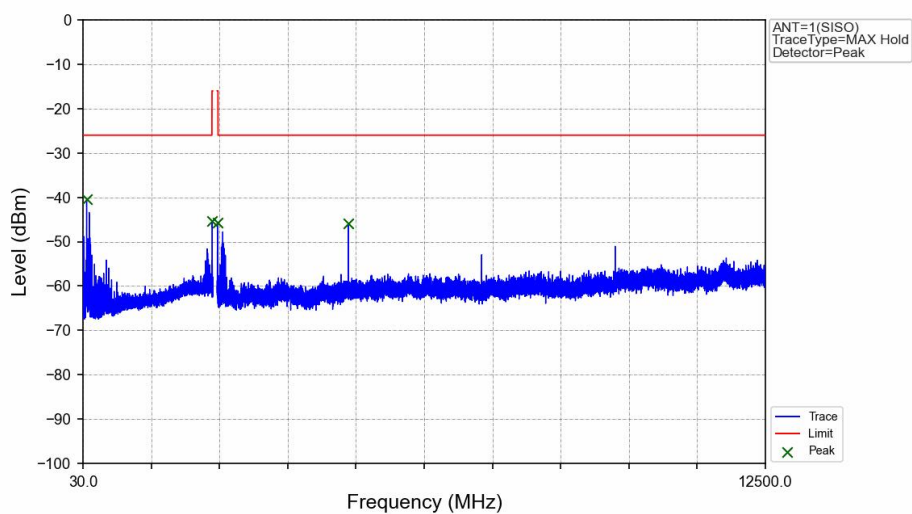
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	96.500	-40.87	/	-26	Pass
2387	2400	1	1	2399.987	-22.56	/	-16	Pass
2483.5	2496.5	1	1	2496.487	-39.66	/	-16	Pass
2496.5	12500	1	1	2546.000	-47.73	/	-26	Pass



2M_2440MHz_Ant1_NTNV



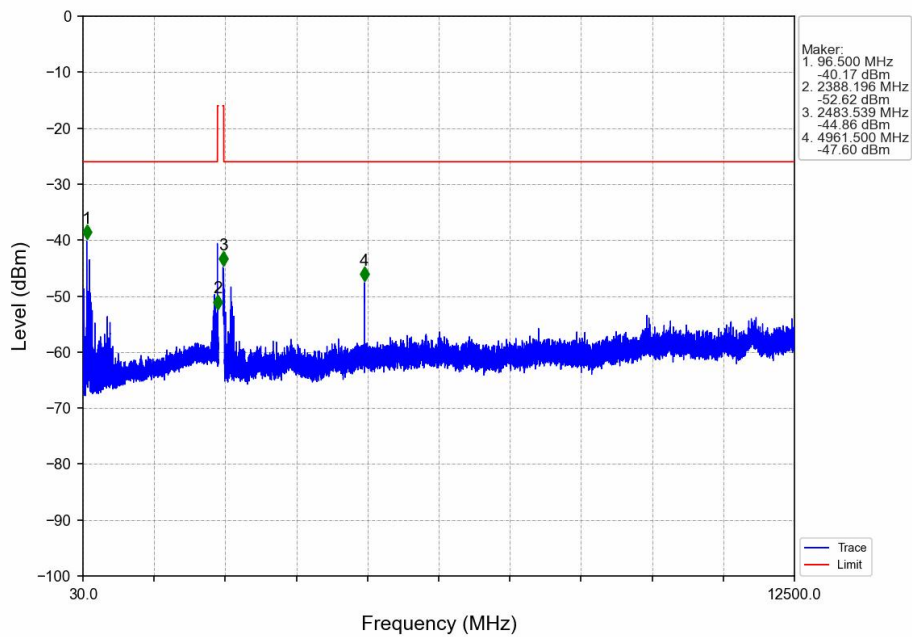
2M_2440MHz_Ant1_NTNV



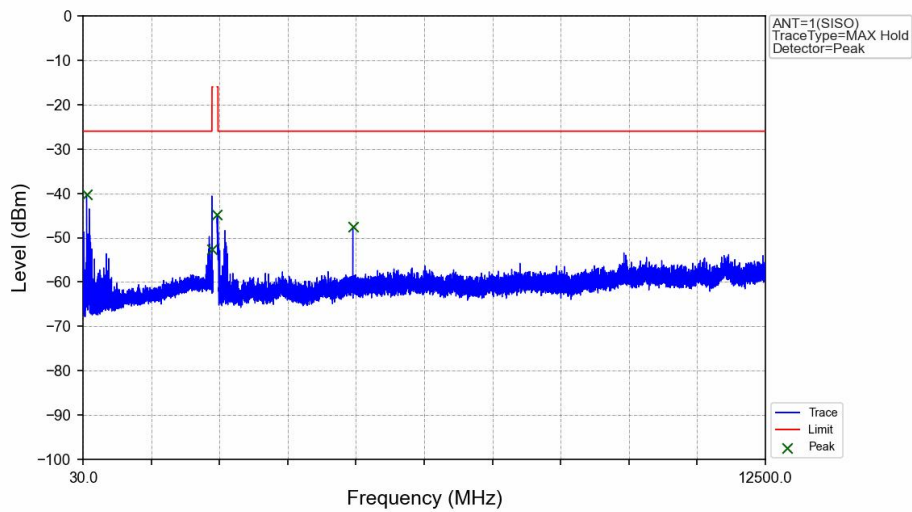
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	97.000	-40.50	/	-26	Pass
2387	2400	1	1	2392.486	-45.39	/	-16	Pass
2483.5	2496.5	1	1	2487.556	-45.71	/	-16	Pass
2496.5	12500	1	1	4879.500	-45.82	/	-26	Pass



2M_2480MHz_Ant1_NTNV



2M_2480MHz_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	96.500	-40.17	/	-26	Pass
2387	2400	1	1	2388.196	-52.62	/	-16	Pass
2483.5	2496.5	1	1	2483.539	-44.86	/	-16	Pass
2496.5	12500	1	1	4961.500	-47.60	/	-26	Pass



6. Secondary Radiated Emission

6.1 Test Result

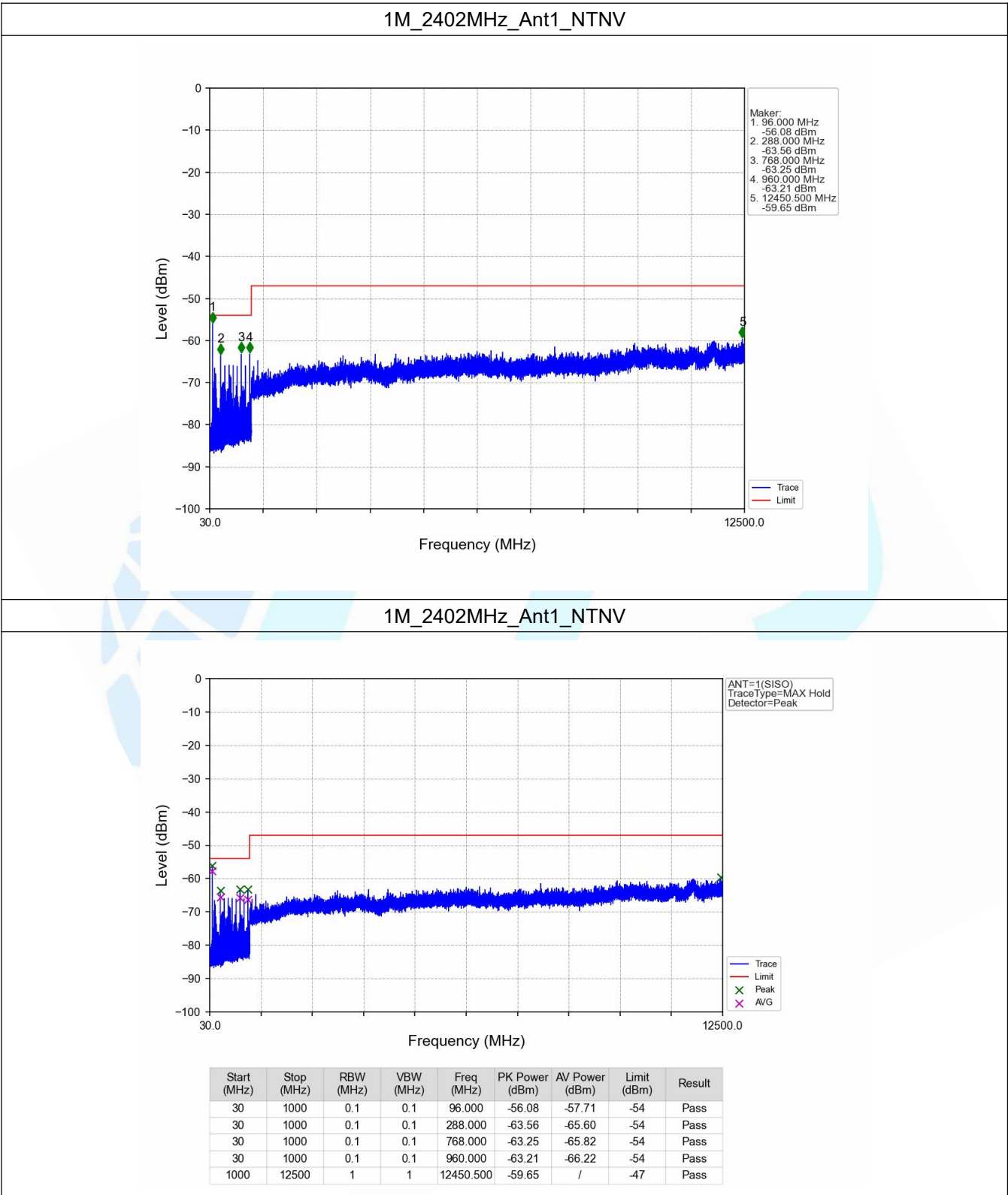
6.1.1 RxSe_NTNV

NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
1M	SISO	2402	1	30	1000	96	-56.08	2.466	-57.71	1.694	4	Pass
						288	-63.56	0.441	-65.60	0.275	4	Pass
						768	-63.25	0.473	-65.82	0.262	4	Pass
						960	-63.21	0.478	-66.22	0.239	4	Pass
				1000	12500	12450.5	-59.65	1.084	/	/	20	Pass
		2440	1	30	1000	96	-55.96	2.535	-56.97	2.009	4	Pass
						288	-63.48	0.449	-64.93	0.321	4	Pass
						768	-62.91	0.512	-65.12	0.308	4	Pass
						960	-63.12	0.488	-65.61	0.275	4	Pass
				1000	12500	11790	-59.75	1.059	/	/	20	Pass
		2480	1	30	1000	96	-56.07	2.472	-56.96	2.014	4	Pass
						288	-63.66	0.431	-64.95	0.320	4	Pass
						768	-63.14	0.485	-65.18	0.303	4	Pass
						960	-63.33	0.465	-65.61	0.275	4	Pass
				1000	12500	11746.5	-59.33	1.167	/	/	20	Pass
2M	SISO	2402	1	30	1000	96	-56.13	2.438	-56.97	2.009	4	Pass
						288	-63.56	0.441	-64.85	0.327	4	Pass
						768	-63.20	0.479	-65.24	0.299	4	Pass
						960	-63.38	0.459	-65.60	0.275	4	Pass
				1000	12500	11729.5	-59.67	1.079	/	/	20	Pass
		2440	1	30	1000	96	-56.19	2.404	-56.97	2.009	4	Pass
						288	-63.38	0.459	-64.98	0.318	4	Pass
						768	-62.90	0.513	-65.19	0.303	4	Pass
						960	-63.49	0.448	-65.66	0.272	4	Pass
				1000	12500	11763	-59.17	1.211	/	/	20	Pass
		2480	1	30	1000	96	-56.03	2.495	-57.01	1.991	4	Pass
						288	-63.55	0.442	-64.92	0.322	4	Pass
						768	-63.14	0.485	-65.22	0.301	4	Pass
						960	-63.55	0.442	-65.67	0.271	4	Pass
				1000	12500	2426.5	-48.17	15.241	-78.40	0.014	20	Pass



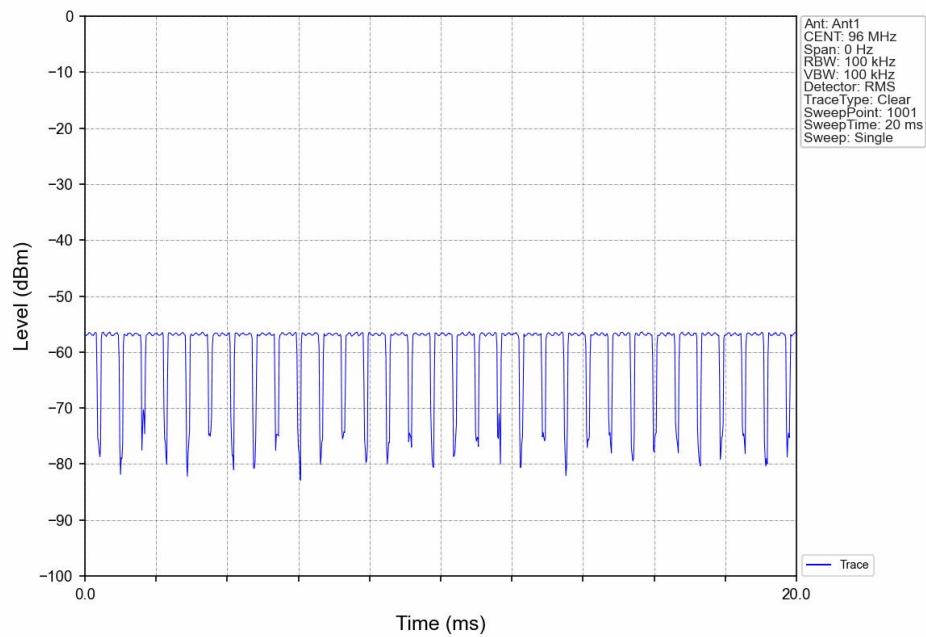
6.2 Test Graph

6.2.1 RxSe_NTNV

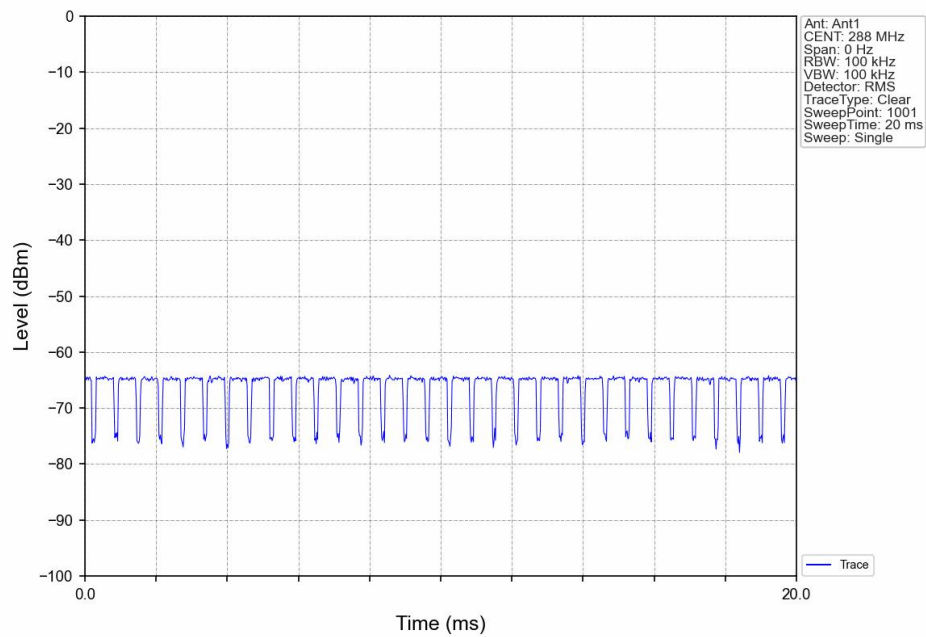




1M_2402MHz_Ant1_NTNV

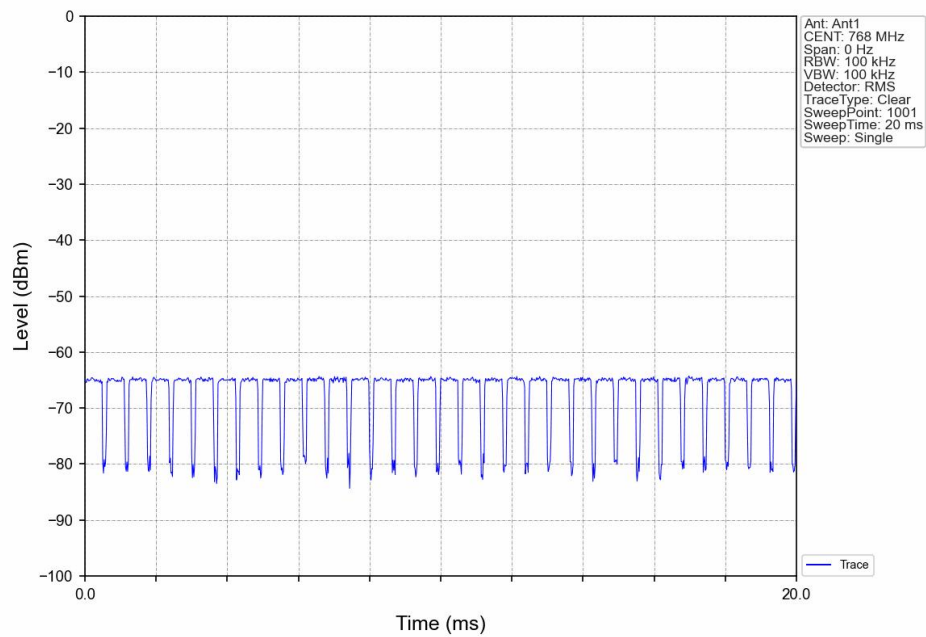


1M_2402MHz_Ant1_NTNV

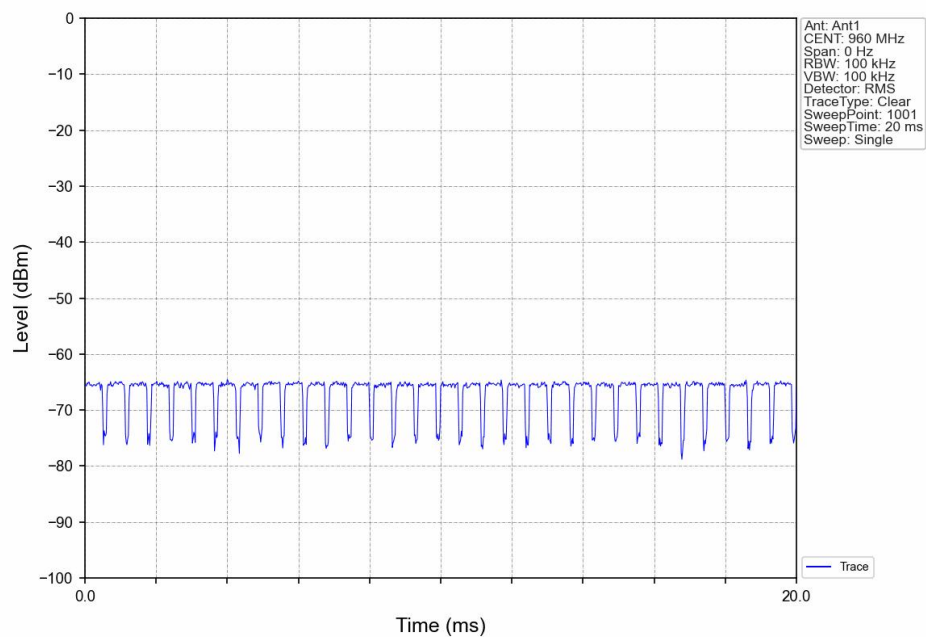




1M_2402MHz_Ant1_NTNV

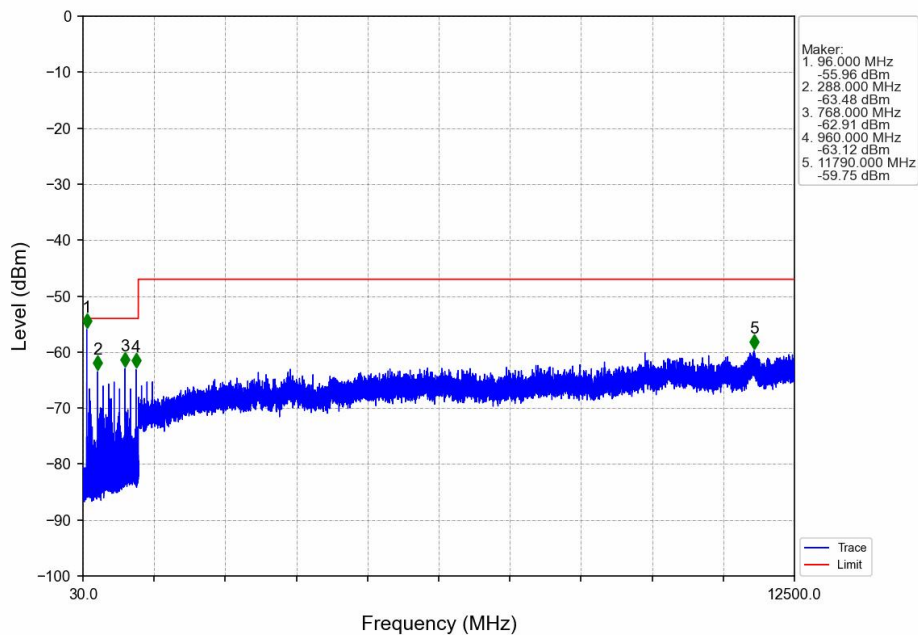


1M_2402MHz_Ant1_NTNV

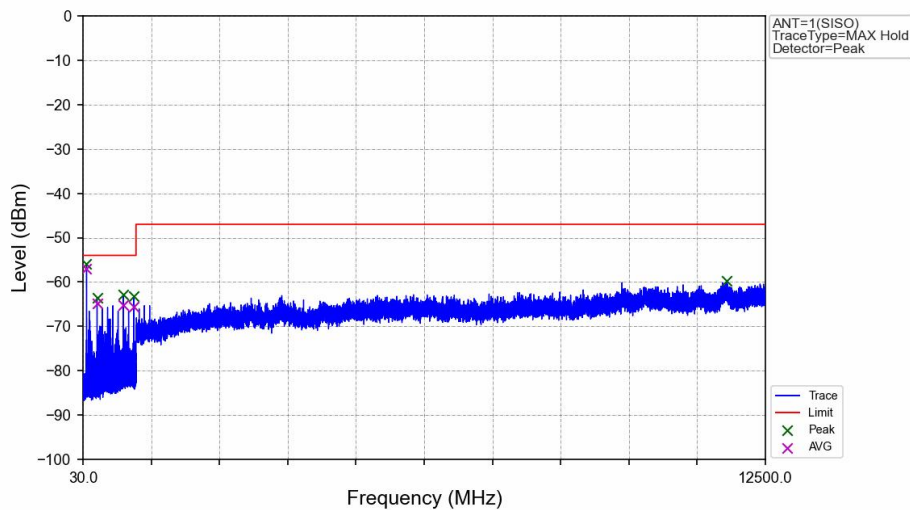




1M_2440MHz_Ant1_NTNV



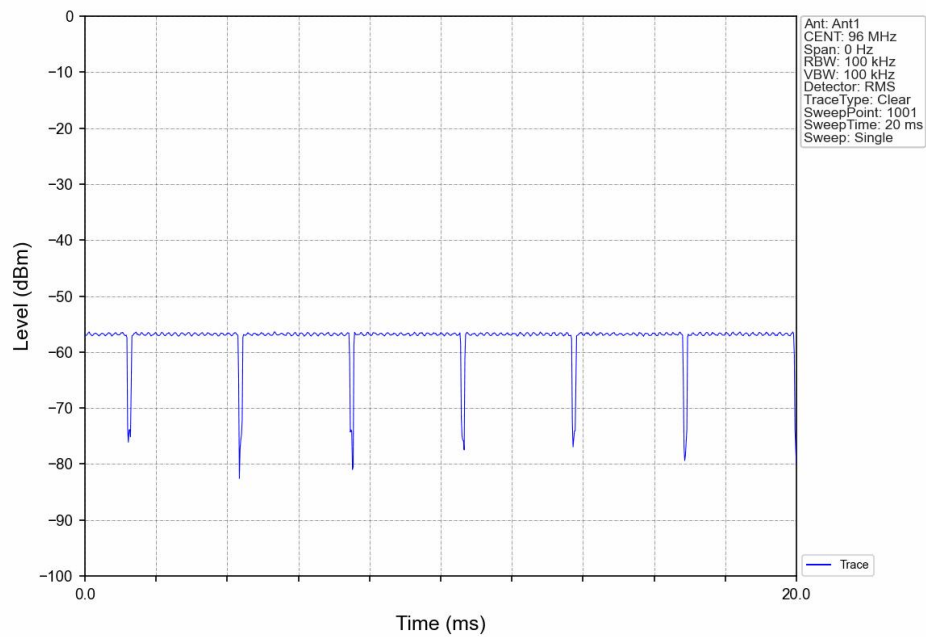
1M_2440MHz_Ant1_NTNV



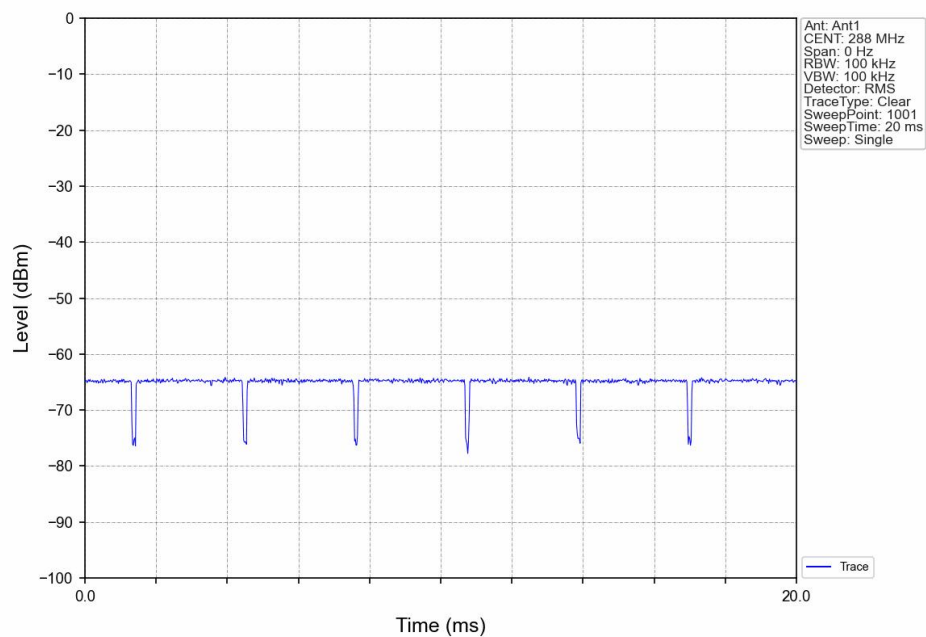
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	96.000	-55.96	-56.97	-54	Pass
30	1000	0.1	0.1	288.000	-63.48	-64.93	-54	Pass
30	1000	0.1	0.1	768.000	-62.91	-65.12	-54	Pass
30	1000	0.1	0.1	960.000	-63.12	-65.61	-54	Pass
1000	12500	1	1	11790.000	-59.75	/	-47	Pass



1M_2440MHz_Ant1_NTNV

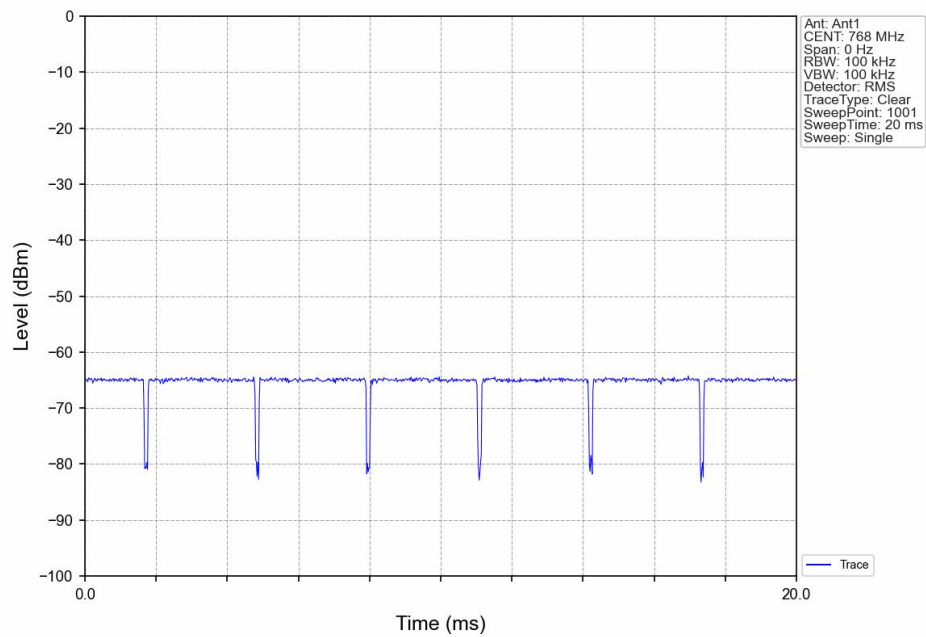


1M_2440MHz_Ant1_NTNV

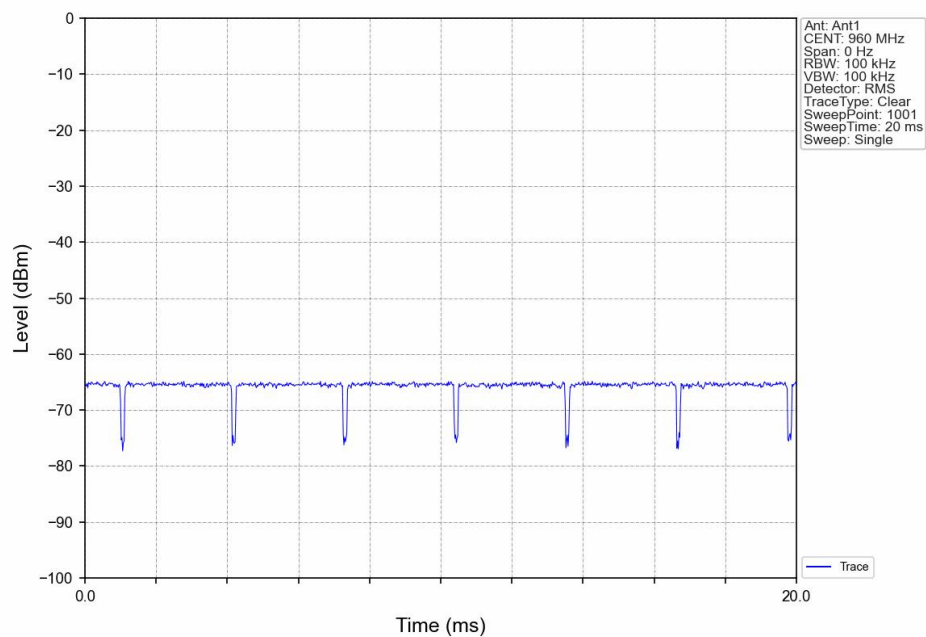




1M_2440MHz_Ant1_NTNV

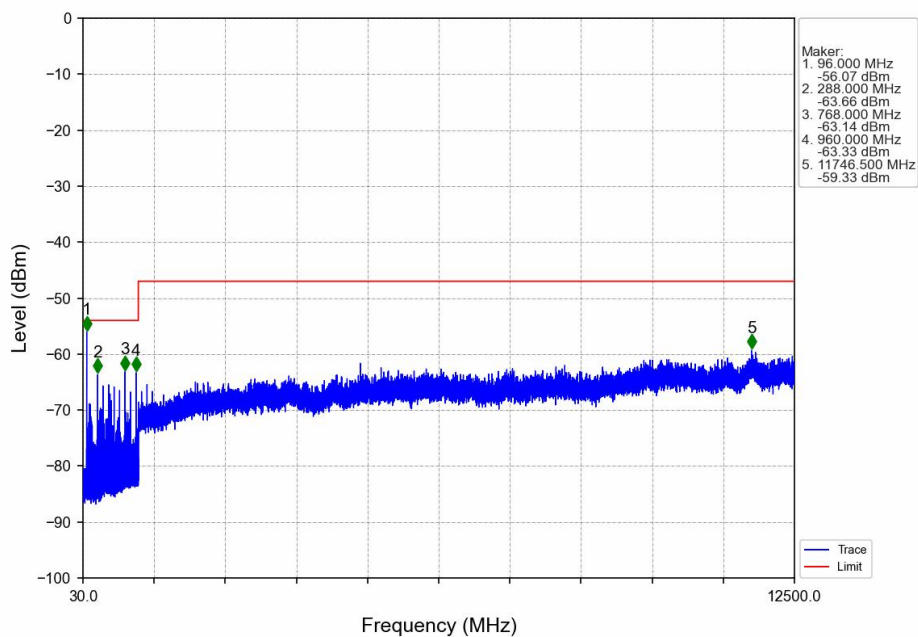


1M_2440MHz_Ant1_NTNV

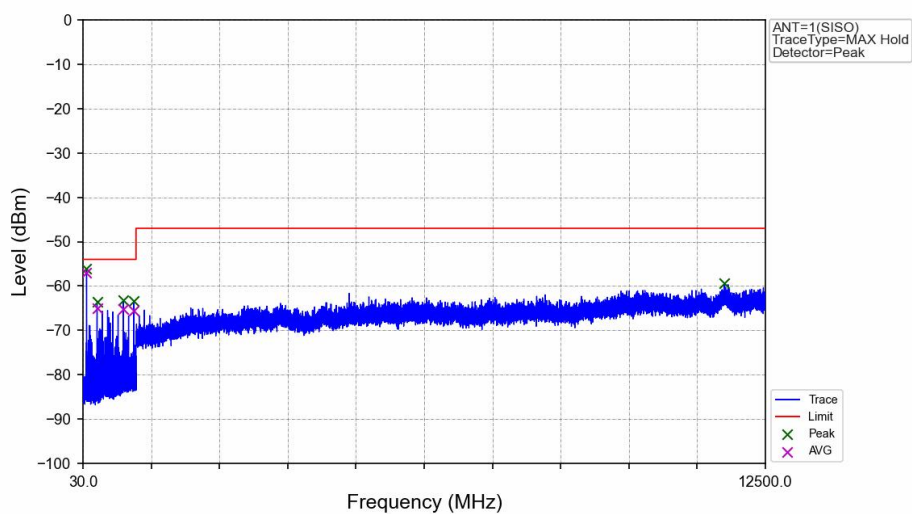




1M_2480MHz_Ant1_NTNV



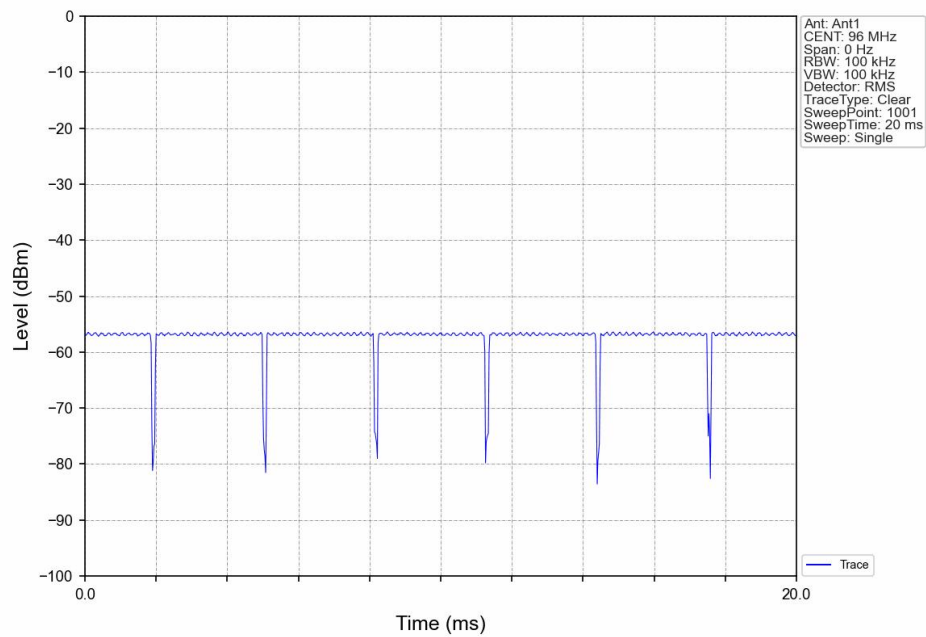
1M_2480MHz_Ant1_NTNV



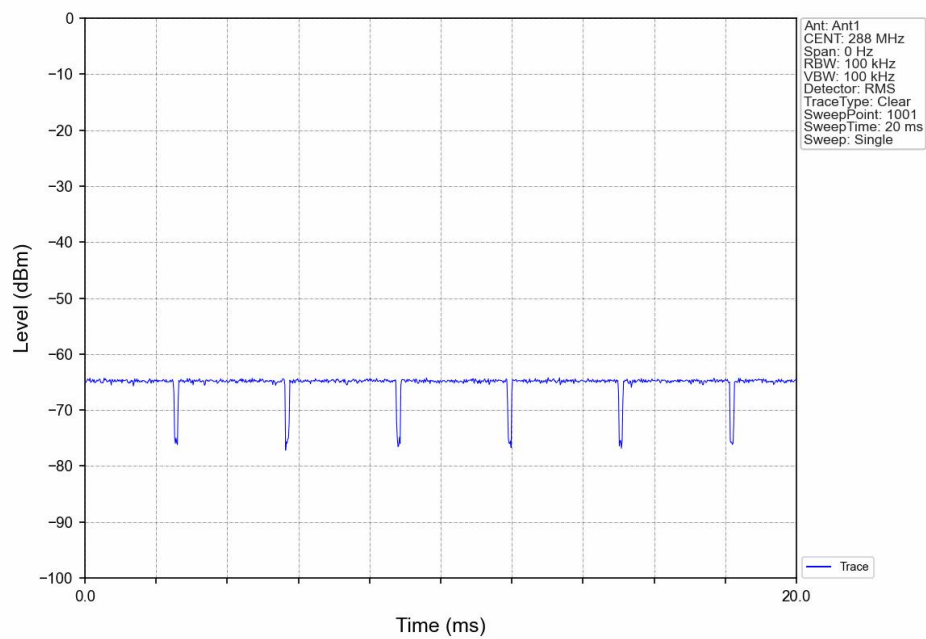
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	96.000	-56.07	-56.96	-54	Pass
30	1000	0.1	0.1	288.000	-63.66	-64.95	-54	Pass
30	1000	0.1	0.1	768.000	-63.14	-65.18	-54	Pass
30	1000	0.1	0.1	960.000	-63.33	-65.61	-54	Pass
1000	12500	1	1	11746.500	-59.33	/	-47	Pass



1M_2480MHz_Ant1_NTNV

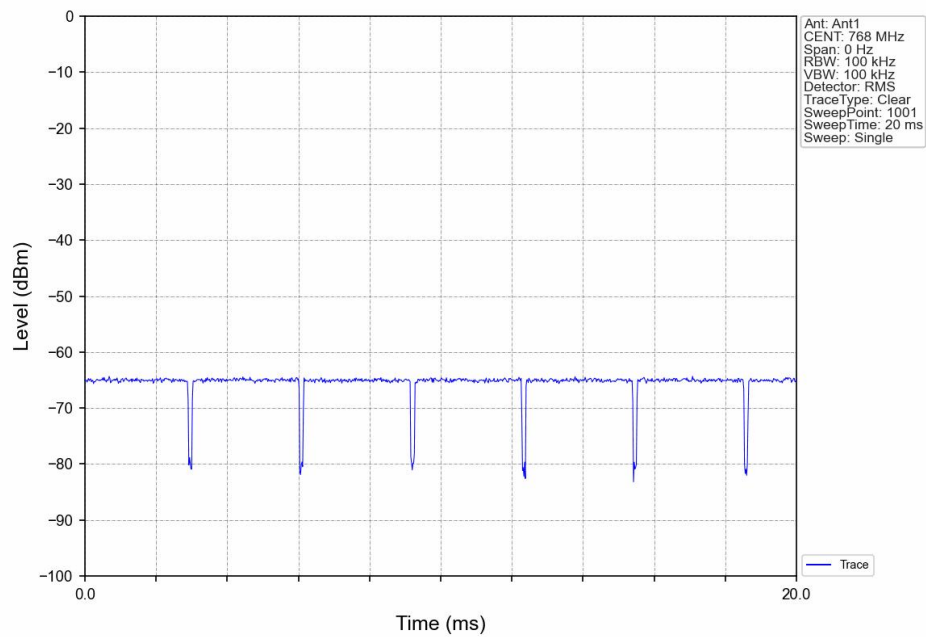


1M_2480MHz_Ant1_NTNV

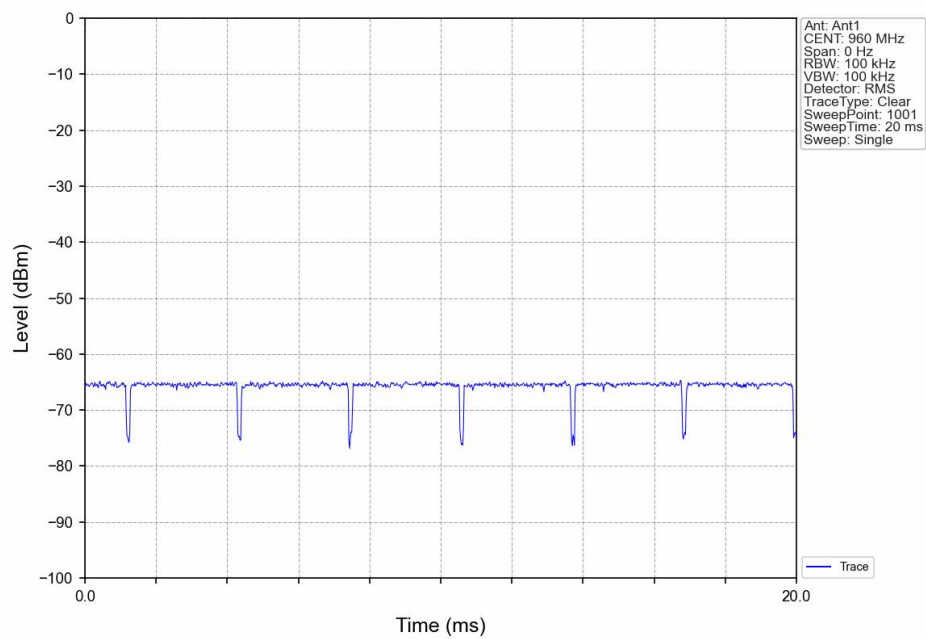




1M_2480MHz_Ant1_NTNV

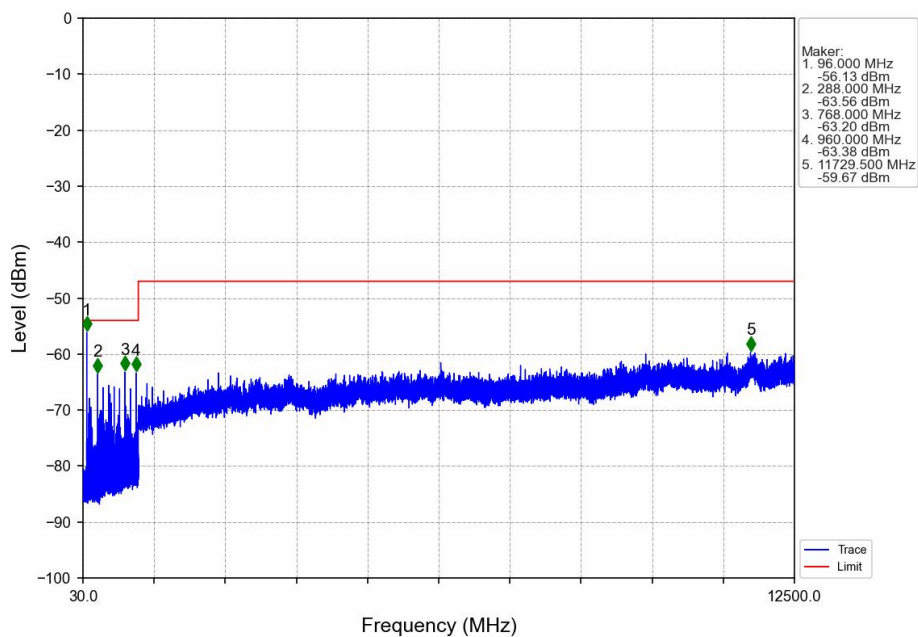


1M_2480MHz_Ant1_NTNV

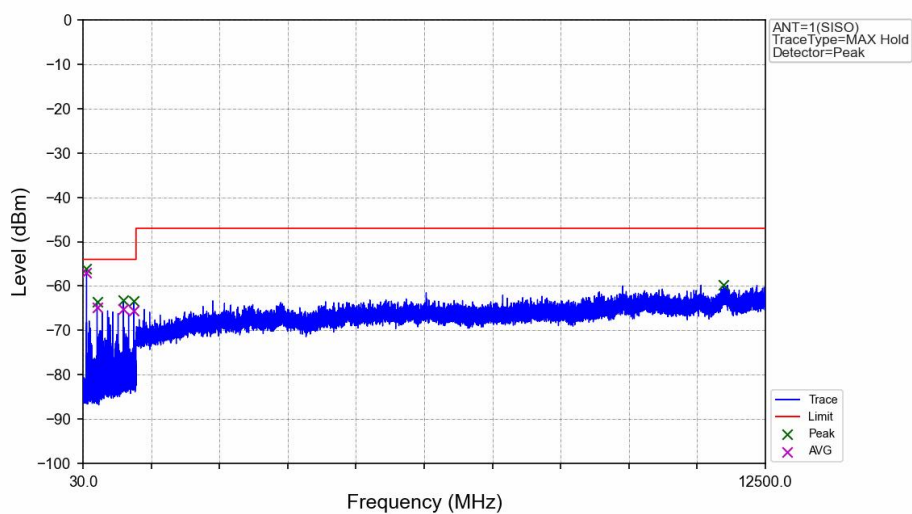




2M_2402MHz_Ant1_NTNV



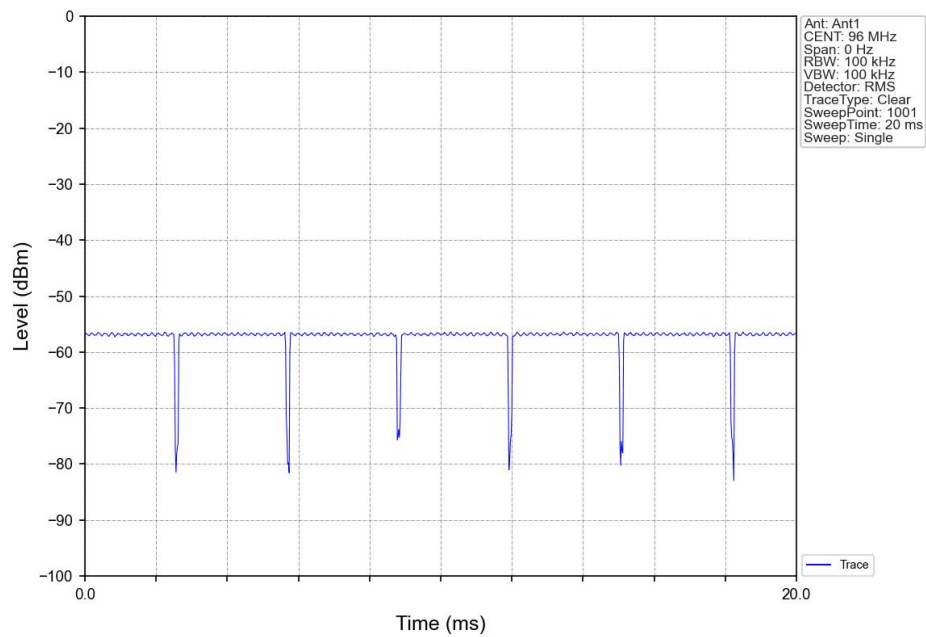
2M_2402MHz_Ant1_NTNV



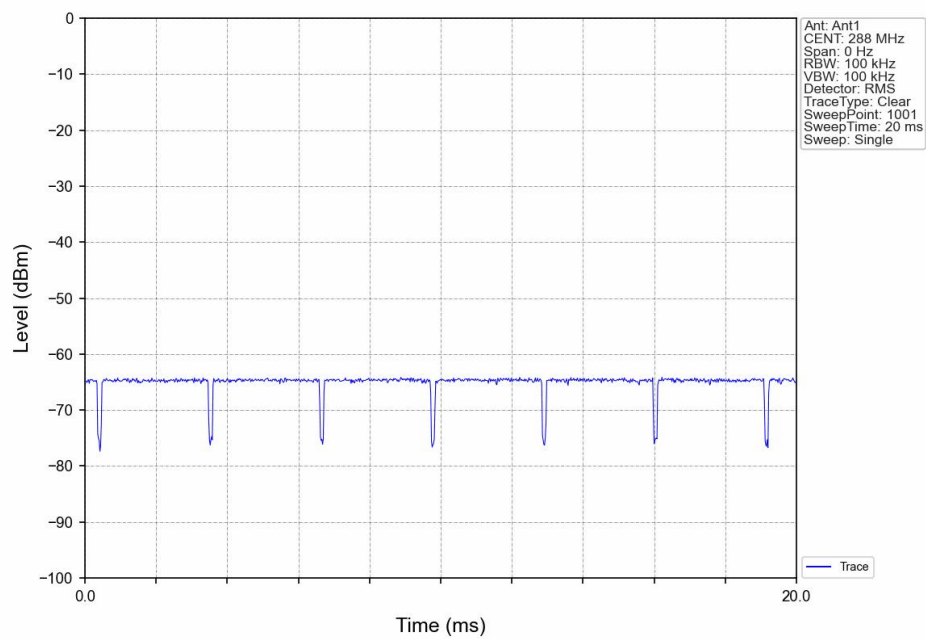
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	96.000	-56.13	-56.97	-54	Pass
30	1000	0.1	0.1	288.000	-63.56	-64.85	-54	Pass
30	1000	0.1	0.1	768.000	-63.20	-65.24	-54	Pass
30	1000	0.1	0.1	960.000	-63.38	-65.60	-54	Pass
1000	12500	1	1	11729.500	-59.67	/	-47	Pass



2M_2402MHz_Ant1_NTNV

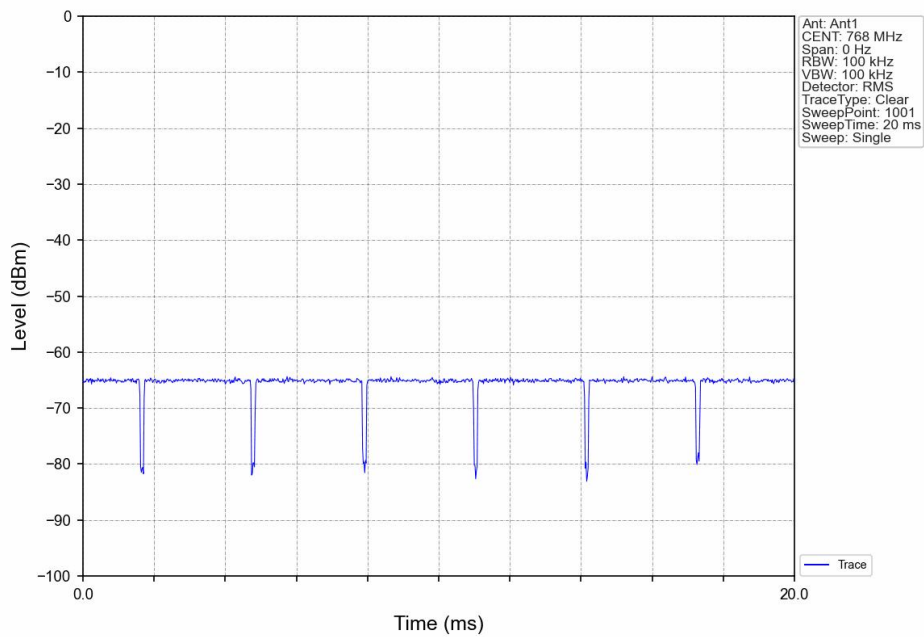


2M_2402MHz_Ant1_NTNV

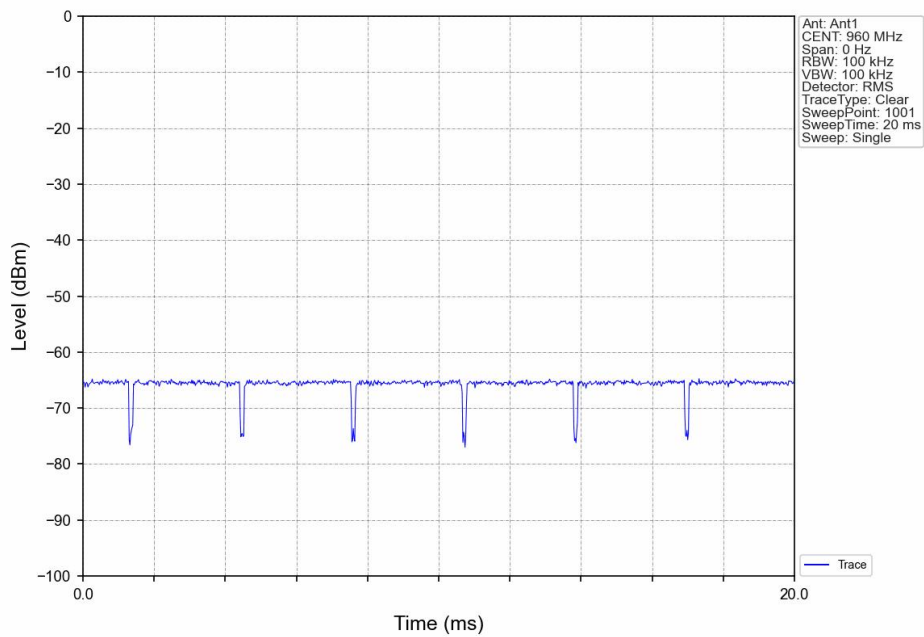




2M_2402MHz_Ant1_NTNV

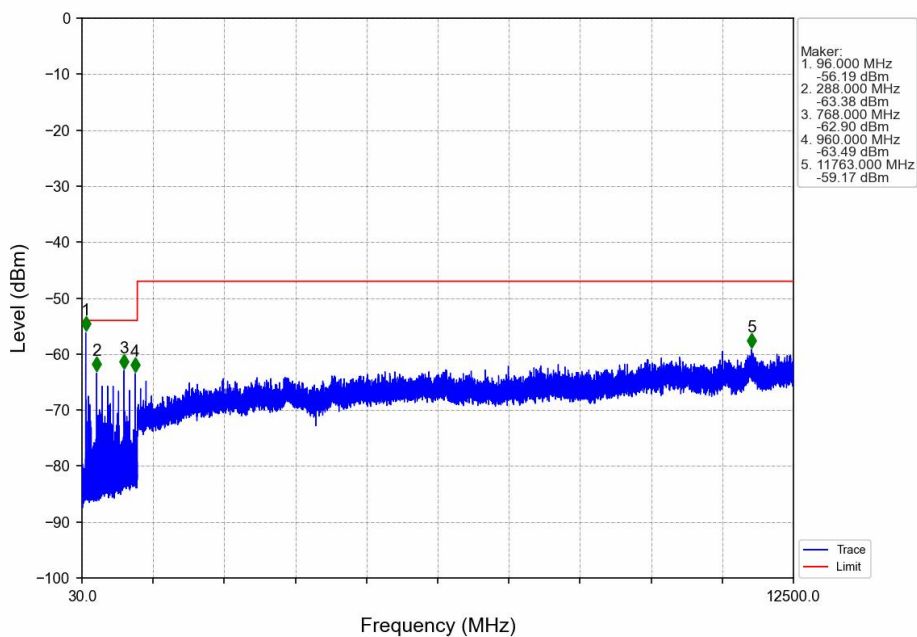


2M_2402MHz_Ant1_NTNV

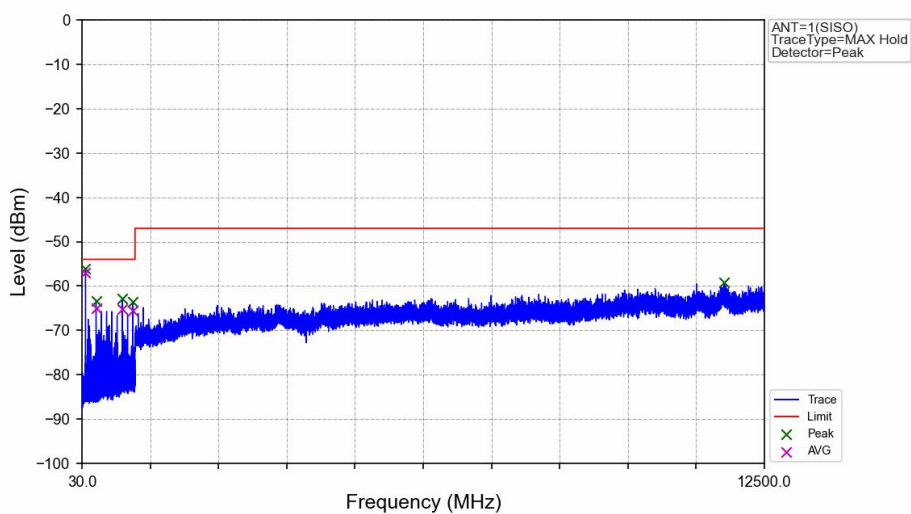




2M_2440MHz_Ant1_NTNV



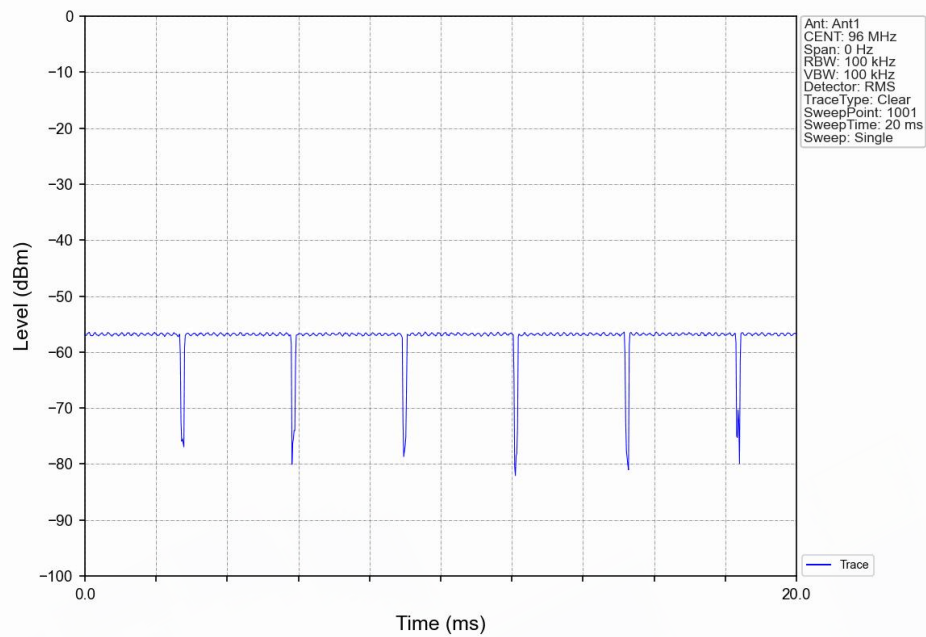
2M_2440MHz_Ant1_NTNV



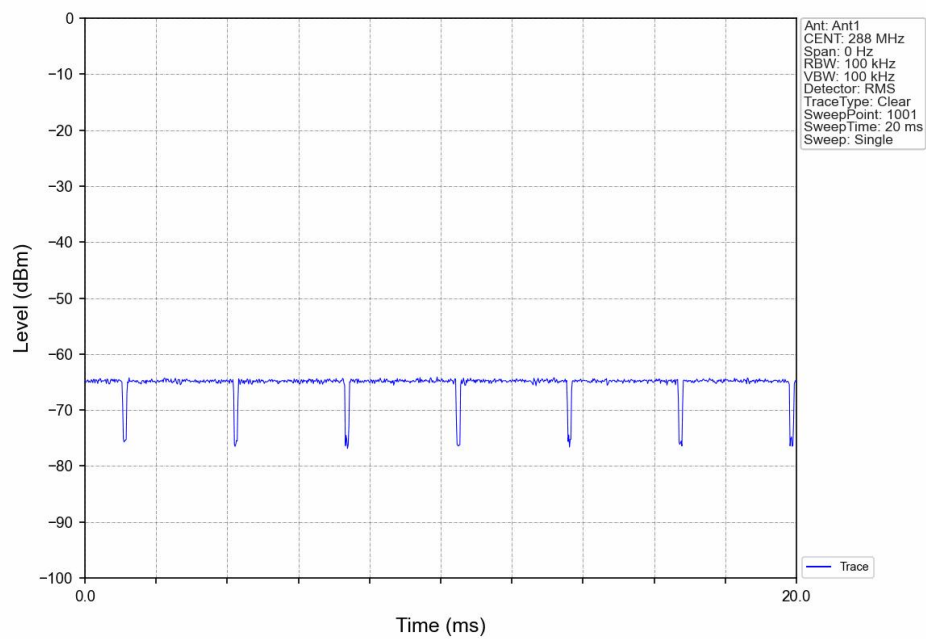
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	96.000	-56.19	-56.97	-54	Pass
30	1000	0.1	0.1	288.000	-63.38	-64.98	-54	Pass
30	1000	0.1	0.1	768.000	-62.90	-65.19	-54	Pass
30	1000	0.1	0.1	960.000	-63.49	-65.66	-54	Pass
1000	12500	1	1	11763.000	-59.17	/	-47	Pass



2M_2440MHz_Ant1_NTNV

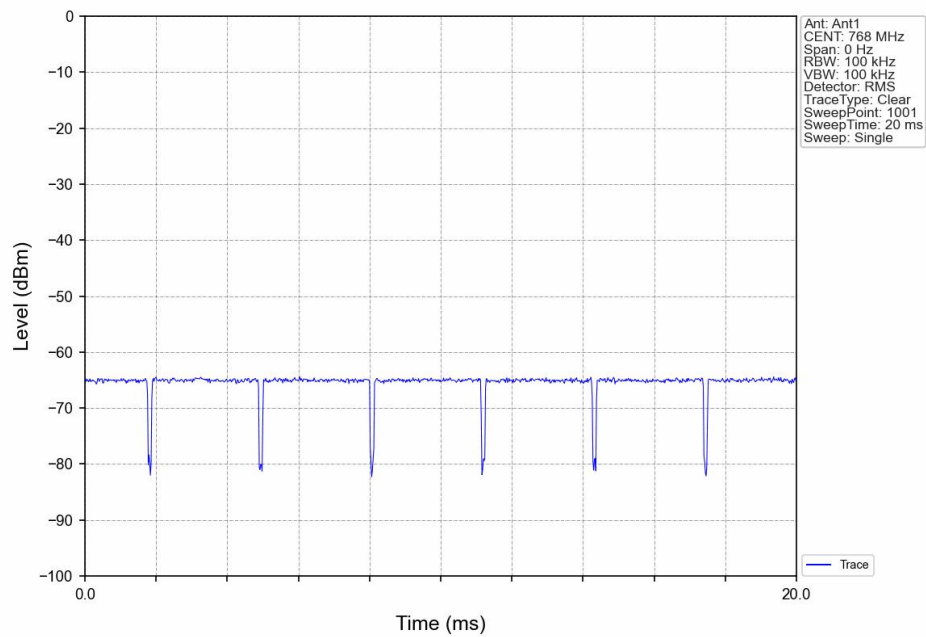


2M_2440MHz_Ant1_NTNV

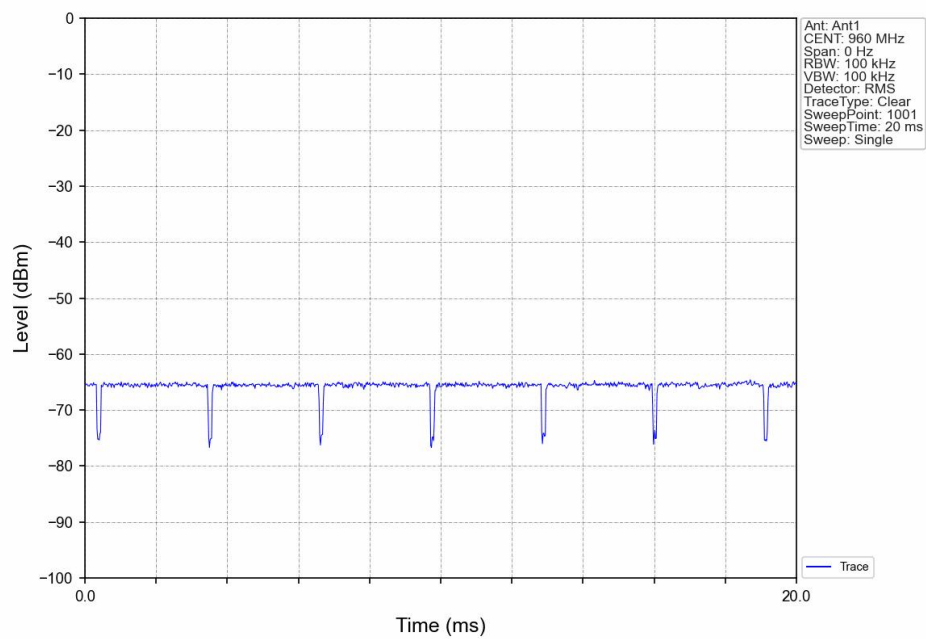




2M_2440MHz_Ant1_NTNV

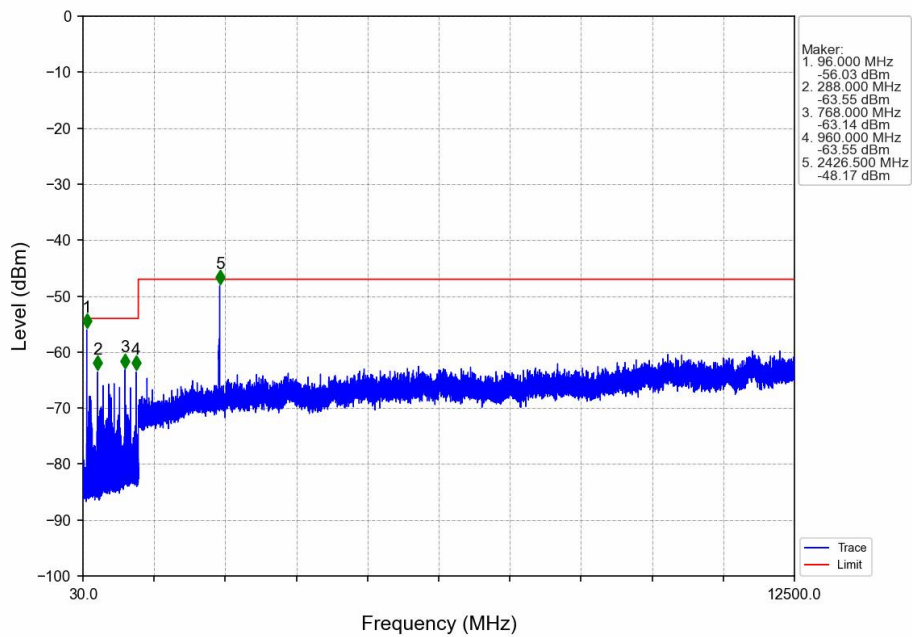


2M_2440MHz_Ant1_NTNV

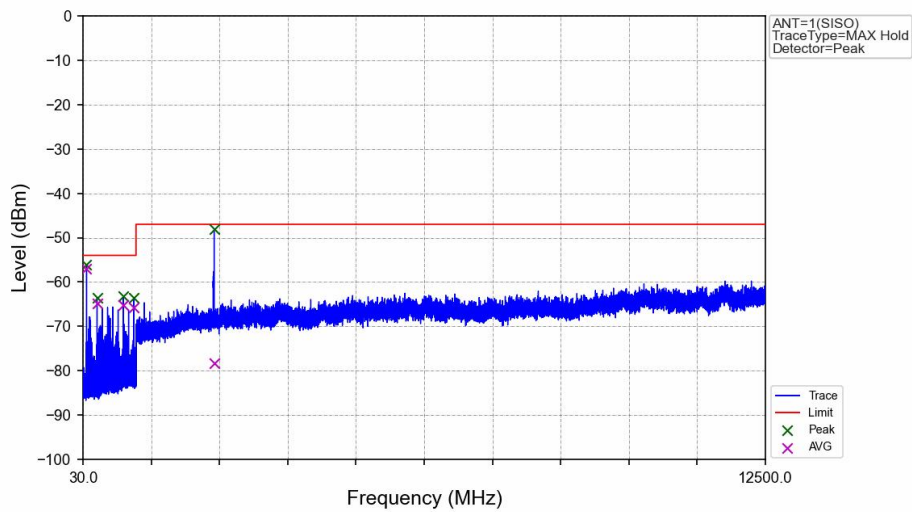




2M_2480MHz_Ant1_NTNV



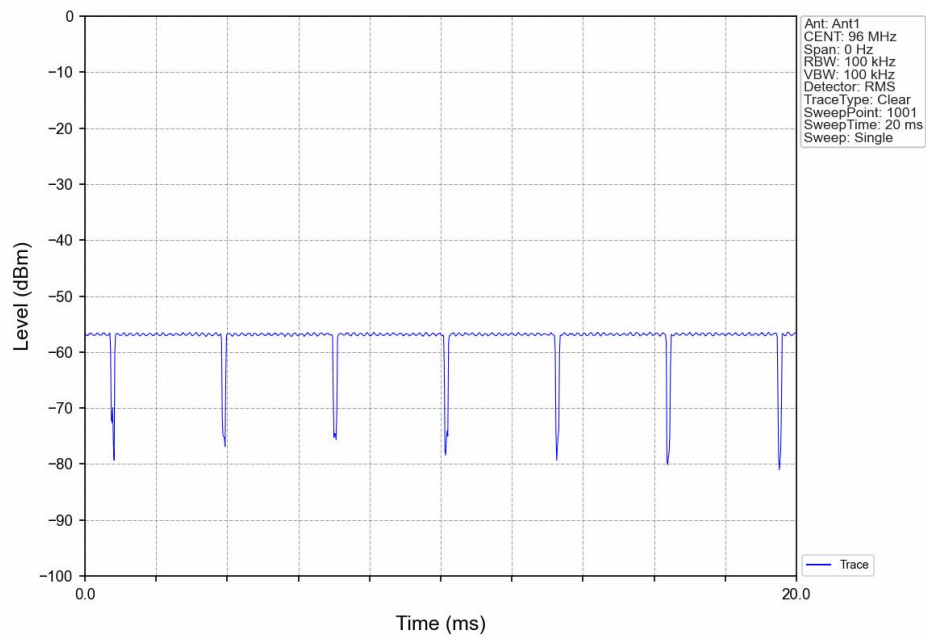
2M_2480MHz_Ant1_NTNV



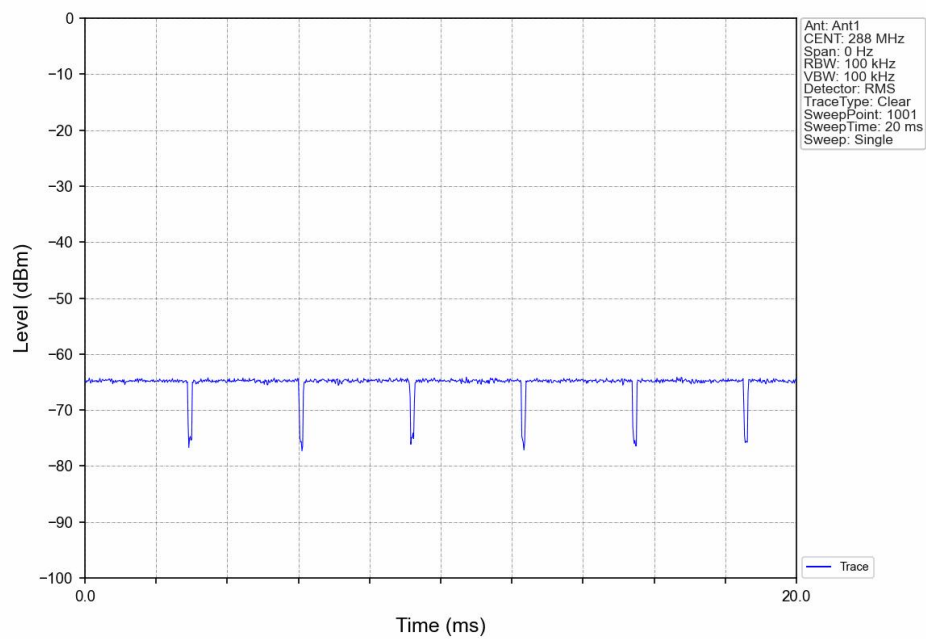
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	96.000	-56.03	-57.01	-54	Pass
30	1000	0.1	0.1	288.000	-63.55	-64.92	-54	Pass
30	1000	0.1	0.1	768.000	-63.14	-65.22	-54	Pass
30	1000	0.1	0.1	960.000	-63.55	-65.67	-54	Pass
1000	12500	1	1	2426.500	-48.17	-78.40	-47	Pass



2M_2480MHz_Ant1_NTNV

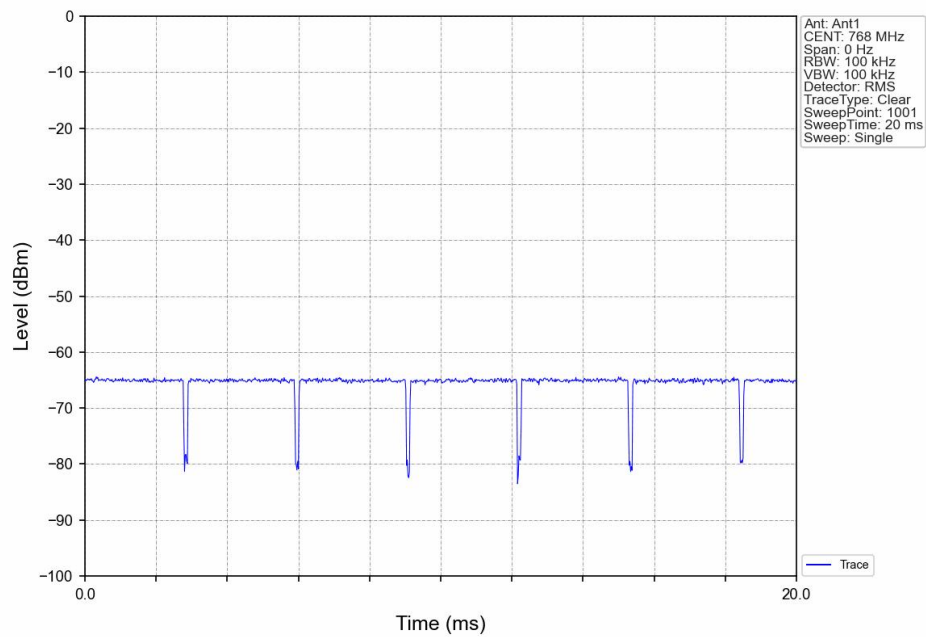


2M_2480MHz_Ant1_NTNV

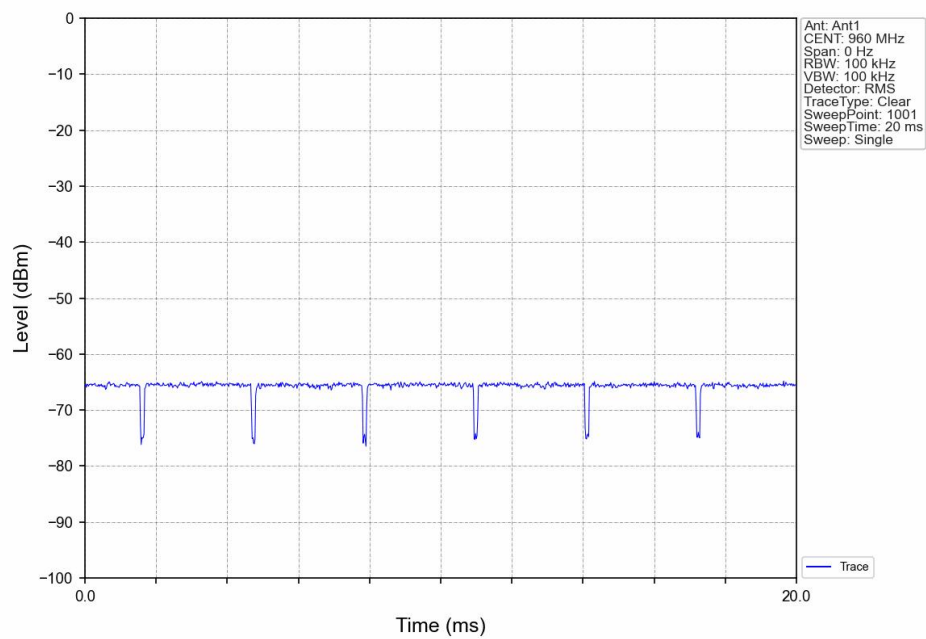




2M_2480MHz_Ant1_NTNV

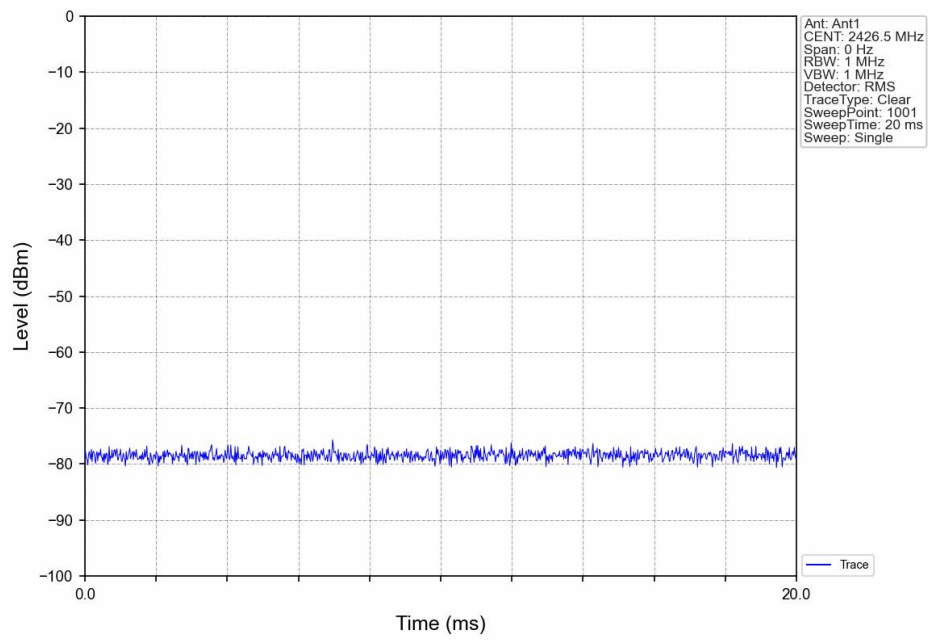


2M_2480MHz_Ant1_NTNV





2M_2480MHz_Ant1_NTNV



****End of the report****