

TEST REPORT

Application No.: SZCR2511005277AT
Applicant: Razer Inc.
Address of Applicant: 9 Pasteur, Irvine, California 92618 United States
Manufacturer: Razer (Asia-Pacific) Pte. Ltd.
Address of Manufacturer: Razer SEA HQ, 1 one-north Crescent, #02-01, 138538, Singapore
Factory: RAZER TECHNOLOGY AND DEVELOPMENT (SHENZHEN) CO. LTD.
Address of Factory: East Wing, 3rd Floor, Block 2, Phase 1 of Vision Shenzhen Business Park
 Keji South Road, Hi-Tech Industrial Park, Shenzhen 518057, China

Equipment Under Test (EUT):

EUT Name: Wireless Earphones
Model No.: 562
Trade Mark: RAZER
FCC ID: RWO-562
Standard(s) : 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2025-11-28
Date of Test: 2025-12-21 to 2026-01-04
Date of Issue: 2026-01-04, Amendment 01: 2026-03-17

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

This report supersedes our previous report SZCR251100527701, issued on 2026-01-04, which is hereby deemed null and void.

Keny Xu

Keny Xu
EMC Laboratory Manager



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Shenzhen Branch EMC Laboratory

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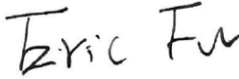
SZEMC-TRF-01 Rev. A/2

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-01-04		Original
02		2026-03-17		Updated the description of AV value calculation.

Authorized for issue by:				
				
		Charlie Dai/Project Engineer		
				
		Eric Fu/Reviewer		



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass
Other requirements Frequency Hopping Spread Spectrum System Hopping Sequence		N/A	47 CFR Part 15, Subpart C 15.247(a)(1),(g),(h)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2020) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2020) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Above 1GHz		ANSI C63.10 (2020) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Conducted Peak Output Power		ANSI C63.10 (2020) Section 7.8.5	47 CFR Part 15, Subpart C 15.247(b)(1)	Pass
20dB Bandwidth		ANSI C63.10 (2020) Section 6.9.2	47 CFR Part 15, Subpart C 15.247(a)(1)	Pass
Carrier Frequencies Separation		ANSI C63.10 (2020) Section 7.8.2	47 CFR Part 15, Subpart C 15.247a(1)	Pass
Hopping Channel Number		ANSI C63.10 (2020) Section 7.8.3	47 CFR Part 15, Subpart C 15.247a(1)(iii)	Pass
Dwell Time		ANSI C63.10 (2020) Section 7.8.4	47 CFR Part 15, Subpart C 15.247a(1)(iii)	Pass
Conducted Band Edges Measurement		ANSI C63.10 (2020) Section 7.8.7.2	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions		ANSI C63.10 (2020) Section 7.8.7	47 CFR Part 15, Subpart C 15.247(d)	Pass



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4 General Information

4.1 Details of E.U.T.

Power supply:	Battery: Left earbud: Li-Ion Polymer Battery 3.85V 80mAh model: 1254W6 (Charged by wireless charging case) Right earbud: Li-Ion Polymer Battery 3.85V 80mAh model: 1254W6 (Charged by wireless charging case)
Cable(s):	N/A
For Earbuds:	
Technology Type:	BT Classic
Operation Frequency:	2402MHz to 2480MHz
Modulation Type:	GFSK, Pi/4DQPSK, 8DPSK
Channel Spacing:	1MHz
Spectrum Spread Technology:	Frequency Hopping Spread Spectrum(FHSS)
Number of Channels:	79
Antenna Type:	PIFA Antenna
Antenna Gain:	Left earbud: -2.6dBi; Right earbud: -2.7dBi
Cable Loss (for RF conducted test):	0.7dB

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--
The EUT has been tested as an independent unit.			



4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Radiated Emissions which fall in the restricted bands	$\pm 6.0\text{dB}$ (Below 1GHz); $\pm 4.6\text{dB}$ (Above 1GHz)
Radiated Spurious Emissions Below 1GHz	$\pm 6.0\text{dB}$ for 3m; $\pm 5.0\text{dB}$ for 10m
Radiated Spurious Emissions Above 1GHz	$\pm 4.6\text{dB}$ (1-18GHz); $\pm 4.8\text{dB}$ (18-40GHz)
Conducted Peak Output Power	$\pm 0.4\text{dB}$
20dB Bandwidth	$\pm 0.3\%$
Carrier Frequencies Separation	$\pm 5.4 \times 10^{-8}$
Hopping Channel Number	$\pm 5.4 \times 10^{-8}$
Dwell Time	$\pm 0.3\%$
Conducted Band Edges Measurement	$\pm 2.7\text{dB}$
Conducted Spurious Emissions	$\pm 2.7\text{dB}$

Remark:
The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results
– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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4.4 Test Location

All tests were performed at:

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Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd.

Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2025-07-22	2026-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2025-09-10	2026-09-09
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2025-07-05	2026-07-04
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2025-07-22	2027-07-21
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2025-03-21	2026-03-20

Radiated Spurious Emissions Below 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2025-03-21	2026-03-20
MXE EMI receiver	KEYSIGHT	N9038A	SEM004-16	2025-07-25	2026-07-24
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-18	2025-08-29	2027-08-28
Pre-amplifier	Sonoma Instrument Co	310N	SEM005-04	2025-03-04	2026-03-03
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2025-11-17	2027-11-16
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM029-01	2025-07-05	2026-07-04

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Radiated Spurious Emissions Above 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2025-07-22	2026-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2025-09-10	2026-09-09
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2025-07-05	2026-07-04
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2025-07-22	2027-07-21
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2025-03-21	2026-03-20

RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2025-03-04	2026-03-03
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2025-03-04	2026-03-03
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2025-07-24	2026-07-23
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2025-07-05	2026-07-04
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

6.1.2 Conclusion

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna are Left earbud: -2.6dBi; Right earbud: -2.7dBi.

Antenna location: Refer to internal photos



6.2 Other requirements Frequency Hopping Spread Spectrum System Hopping Sequence

6.2.1 Test Requirement:

47 CFR Part 15, Subpart C 15.247(a)(1),(g),(h)

6.2.2 Conclusion

Standard Requirement:

The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section.

The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

Compliance for section 15.247(a)(1):

According to Technical Specification, the pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONES; i.e. the shift register is initialized with nine ones.

> Number of shift register stages: 9

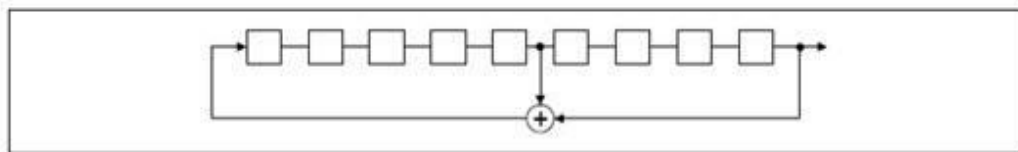
> Length of pseudo-random sequence: $2^9 - 1 = 511$ bits

> Longest sequence of zeros: 8 (non-inverted signal)

Linear Feedback Shift Register for Generation of the PRBS sequence

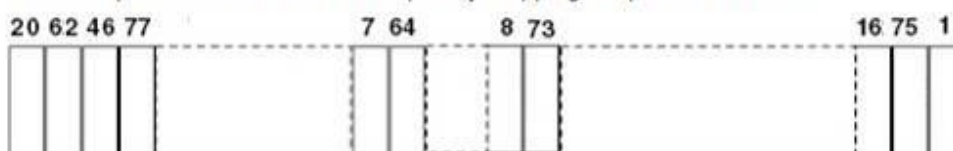
An example of Pseudorandom Frequency Hopping Sequence as follow:





Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter.

According to Technical Specification, the receivers are designed to have input and IF bandwidths that match the hopping channel bandwidths of any transmitters and shift frequencies in synchronization with the transmitted signals.

Compliance for section 15.247(g):

According to Technical Specification, the system transmits the packet with the pseudorandom hopping frequency with a continuous data and the short burst transmission from the Bluetooth system is also transmitted under the frequency hopping system with the pseudorandom hopping frequency system.

Compliance for section 15.247(h):

According to Technical specification, the system incorporates with an adaptive system to detect other user within the spectrum band so that it individually and independently to avoid hopping on the occupied channels.

The system is designed not have the ability to coordinated with other FHSS System in an effort to avoid the simultaneous occupancy of individual hopping frequencies by multiple transmitter.



7 Radio Spectrum Matter Test Results

7.1 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2020) Section 6.10.5

Measurement Distance: 3m

Test Engineer: Logic Wang

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 56.3 % RH

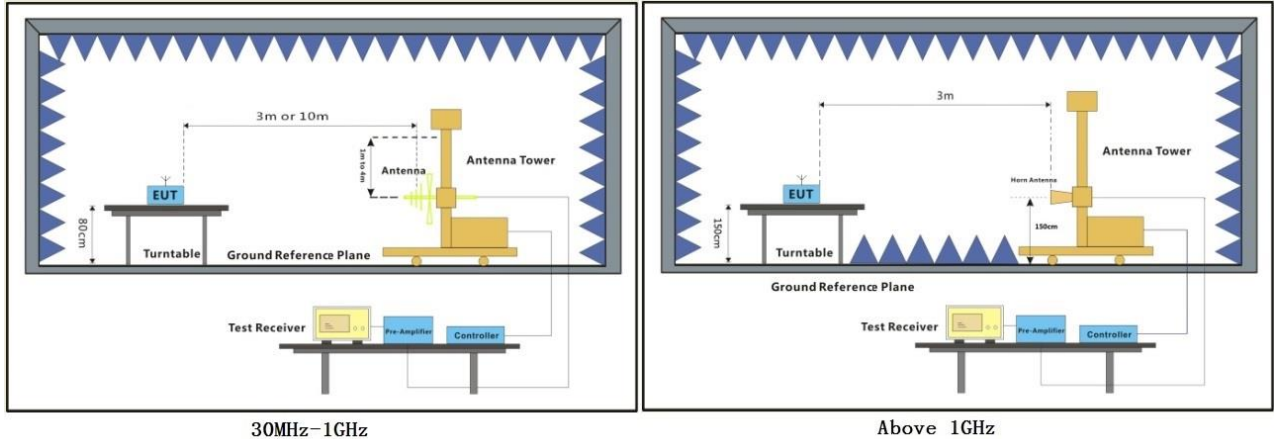
Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode(Left earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	01	TX_non-Hop mode(Right earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.



7.1.3 Test Setup Diagram



30MHz-1GHz

Above 1GHz



7.1.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

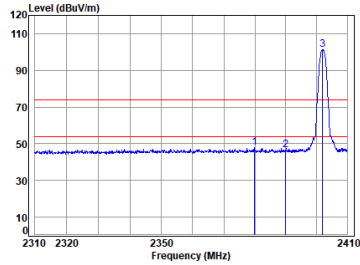
Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

Remark 3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

Remark 4: For fundamental and harmonic signal AV measurement, follow ANSI C63.10 (2020), clause 7.8.8.2.



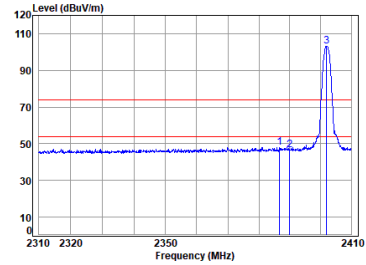
Left BT_DH5_TX_CH_00_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 05277AT
Mode : 2402 Band edge

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2379.957	16.12	29.10	32.79	35.47	47.90	74.00	-26.10 Peak
2	2390.000	16.13	29.10	32.78	34.17	46.62	74.00	-27.38 Peak
3 p	2402.000	16.15	29.09	32.77	88.64	101.11	74.00	27.11 Peak

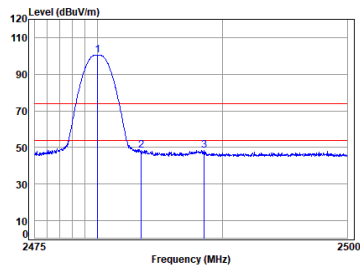
Left BT_DH5_TX_CH_00_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 05277AT
Mode : 2402 Band edge

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2386.724	16.13	29.10	32.78	35.60	48.05	74.00	-25.95 Peak
2	2390.000	16.13	29.10	32.78	33.87	46.32	74.00	-27.68 Peak
3 p	2402.000	16.15	29.09	32.77	90.50	102.97	74.00	28.97 Peak

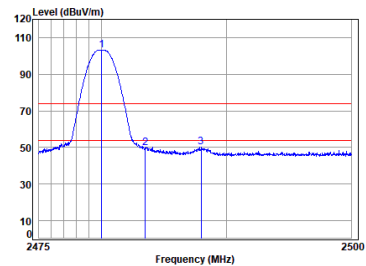
Left BT_DH5_TX_CH_78_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 05277AT
Mode : 2480 Band edge

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	2480.000	16.27	28.90	32.73	88.07	100.51	74.00	26.51 Peak
2	2483.500	16.28	28.90	32.73	35.75	48.20	74.00	-25.80 Peak
3	2488.519	16.28	28.90	32.73	36.14	48.59	74.00	-25.41 Peak

Left BT_DH5_TX_CH_78_Vertical

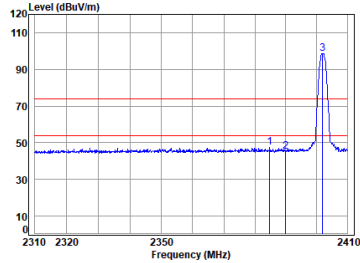


Site : chamber
Condition: 3m VERTICAL
Job No : 05277AT
Mode : 2480 Band edge

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	2480.000	16.27	28.90	32.73	90.83	103.27	74.00	29.27 Peak
2	2483.500	16.28	28.90	32.73	37.43	49.88	74.00	-24.12 Peak
3	2487.969	16.28	28.90	32.73	37.80	50.25	74.00	-23.75 Peak



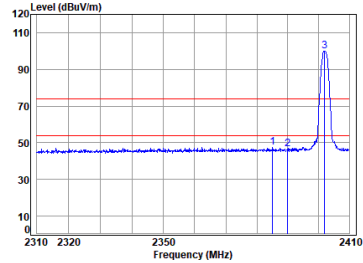
Right BT_DH5_TX_CH_00_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 05277AT
Mode : 2402 Band edge
BT

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2384.803	16.13	29.10	32.78	34.80	47.25	74.00	-26.75	Peak	
2	2390.000	16.13	29.10	32.78	32.76	45.21	74.00	-28.79	Peak	
3 p	2402.000	16.15	29.09	32.77	86.29	98.76	74.00	24.76	Peak	

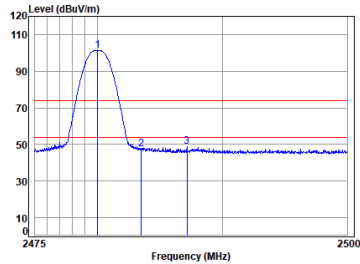
Right BT_DH5_TX_CH_00_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 05277AT
Mode : 2402 Band edge
BT

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2385.107	16.13	29.10	32.78	34.87	47.32	74.00	-26.68	Peak	
2	2390.000	16.13	29.10	32.78	34.28	46.73	74.00	-27.27	Peak	
3 p	2402.000	16.15	29.09	32.77	87.60	100.07	74.00	26.07	Peak	

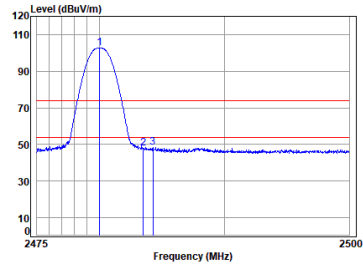
Right BT_DH5_TX_CH_78_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 05277AT
Mode : 2480 Band edge
BT

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	2480.000	16.27	28.90	32.73	89.08	101.52	74.00	27.52	Peak	
2	2483.500	16.28	28.90	32.73	35.13	47.58	74.00	-26.42	Peak	
3	2487.144	16.28	28.90	32.73	36.19	48.64	74.00	-25.36	Peak	

Right BT_DH5_TX_CH_78_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 05277AT
Mode : 2480 Band edge
BT

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	2480.000	16.27	28.90	32.73	90.12	102.56	74.00	28.56	Peak	
2	2483.500	16.28	28.90	32.73	35.41	47.86	74.00	-26.14	Peak	
3	2484.271	16.28	28.90	32.73	35.88	48.33	74.00	-25.67	Peak	



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7.2 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209
 Test Method: ANSI C63.10 (2020) Section 6.4,6.5
 Measurement Distance: 10m
 Test Engineer: Ted Wu

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.2.1 E.U.T. Operation

Operating Environment:

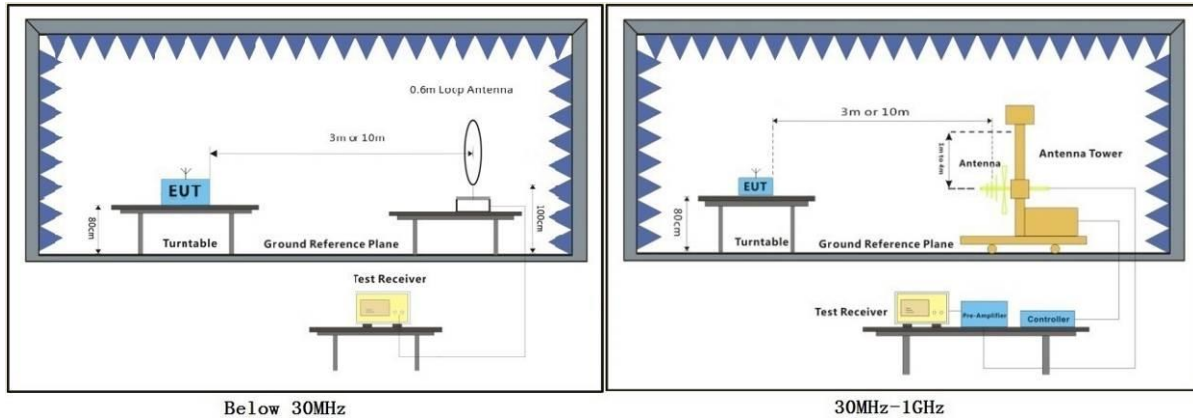
Temperature: 23.6 °C Humidity: 46.5 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode(Left earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	01	TX_non-Hop mode(Right earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.



7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

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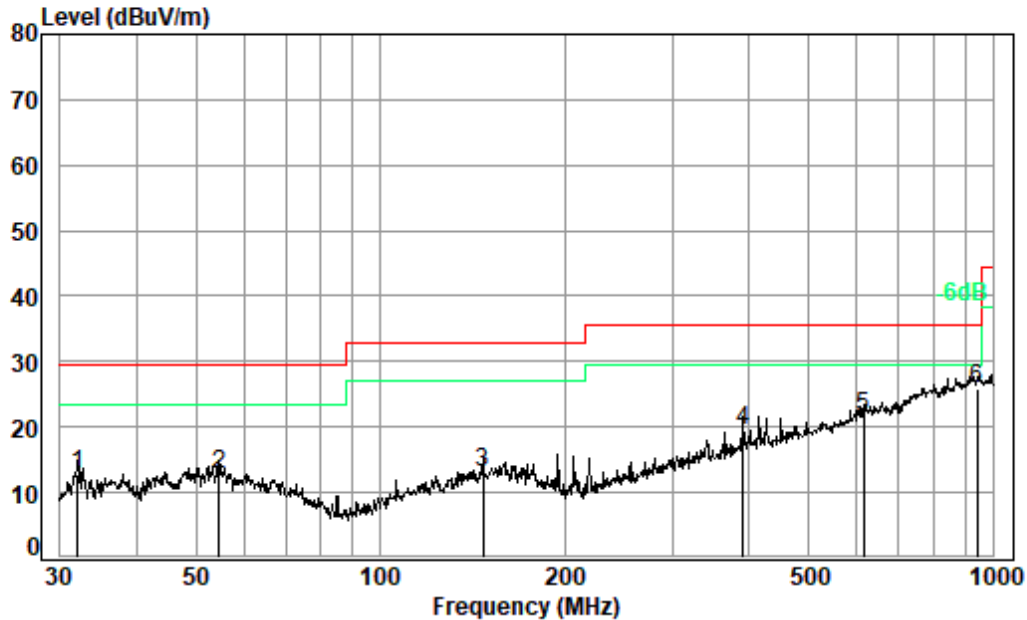
SZEMC-TRF-01 Rev. A/2

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Amendment 01

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Test Mode: 00; Polarity: Horizontal



Condition: 10m HORIZONTAL

Job No. : 05277AT

Test Mode: 00

		Read	Ant	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	32.067	29.15	15.96	0.11	32.40	12.82	29.50	-16.68	QP
2	54.643	27.07	17.97	0.22	32.42	12.84	29.50	-16.66	QP
3	147.404	27.36	17.67	0.64	32.50	13.17	33.00	-19.83	QP
4	390.723	30.92	19.59	1.45	32.41	19.55	35.60	-16.05	QP
5	614.214	27.79	24.36	2.09	32.70	21.54	35.60	-14.06	QP
6 pp	942.131	26.94	27.93	2.74	31.78	25.83	35.60	-9.77	QP



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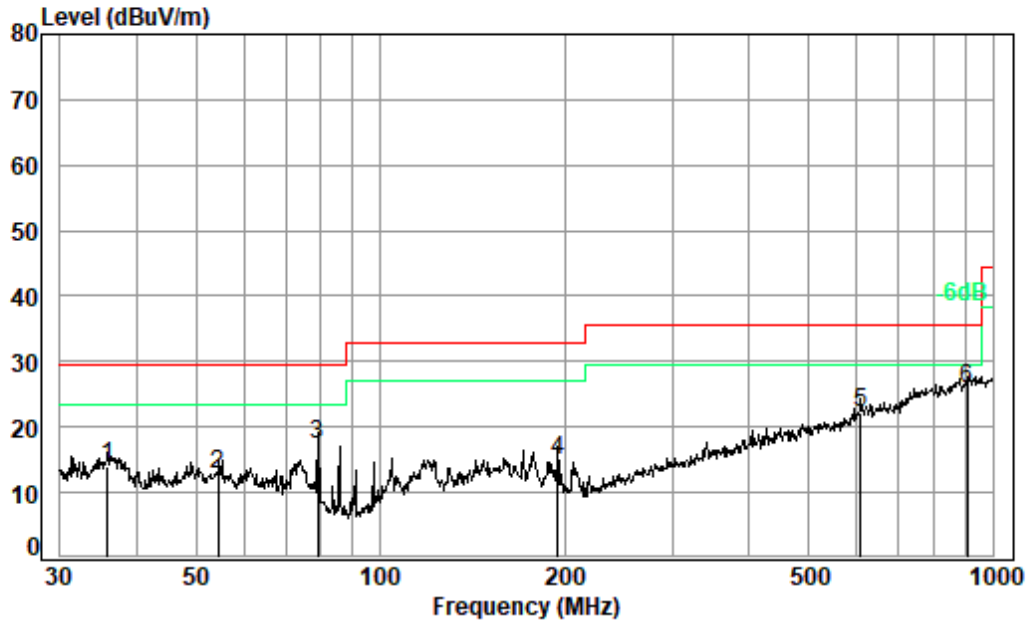
SZEMC-TRF-01 Rev. A/2

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Amendment 01

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Test Mode: 00; Polarity: Vertical



Condition: 10m VERTICAL

Job No. : 05277AT

Test Mode: 00

		Read	Ant	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	35.875	29.77	16.63	0.12	32.40	14.12	29.50	-15.38	QP
2	54.452	27.11	18.00	0.22	32.42	12.91	29.50	-16.59	QP
3	78.965	35.75	13.55	0.50	32.50	17.30	29.50	-12.20	QP
4	195.137	32.50	14.35	0.57	32.50	14.92	33.00	-18.08	QP
5	607.787	28.82	24.14	2.08	32.70	22.34	35.60	-13.26	QP
6 pp	909.667	27.51	27.54	2.67	31.95	25.77	35.60	-9.83	QP



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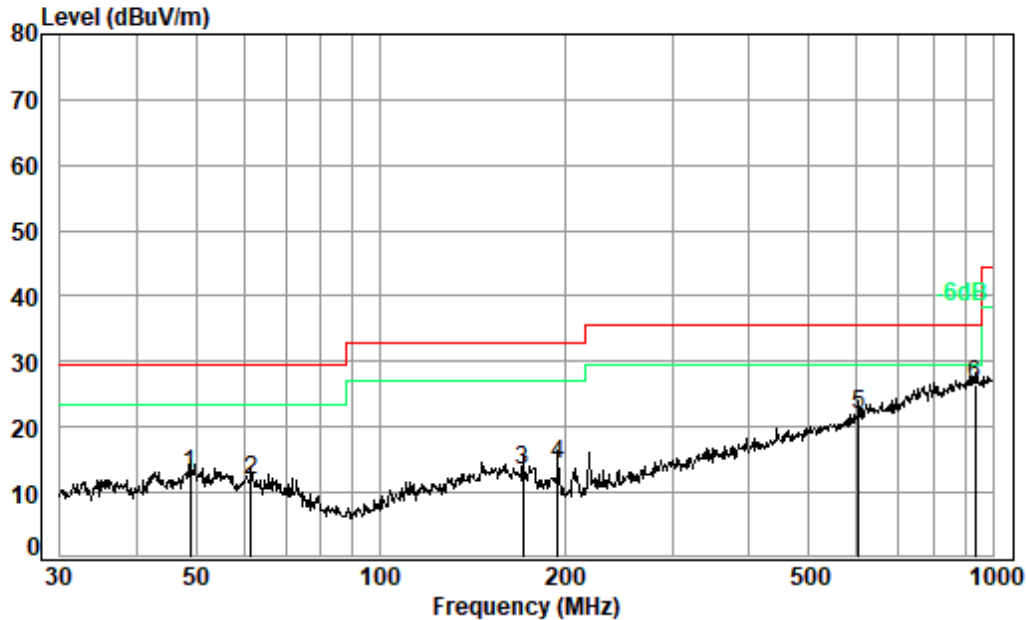
SZEMC-TRF-01 Rev. A/2

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Amendment 01

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Test Mode: 01; Polarity: Horizontal



Condition: 10m HORIZONTAL

Job No. : 05277AT

Test Mode: 01

		Read	Ant	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	49.014	26.92	18.08	0.25	32.40	12.85	29.50	-16.65	QP
2	61.562	26.86	17.10	0.19	32.44	11.71	29.50	-17.79	QP
3	170.793	28.35	17.01	0.60	32.50	13.46	33.00	-19.54	QP
4	195.137	31.91	14.35	0.57	32.50	14.33	33.00	-18.67	QP
5	603.539	28.56	24.01	2.07	32.70	21.94	35.60	-13.66	QP
6 pp	935.546	27.45	27.97	2.73	31.82	26.33	35.60	-9.27	QP



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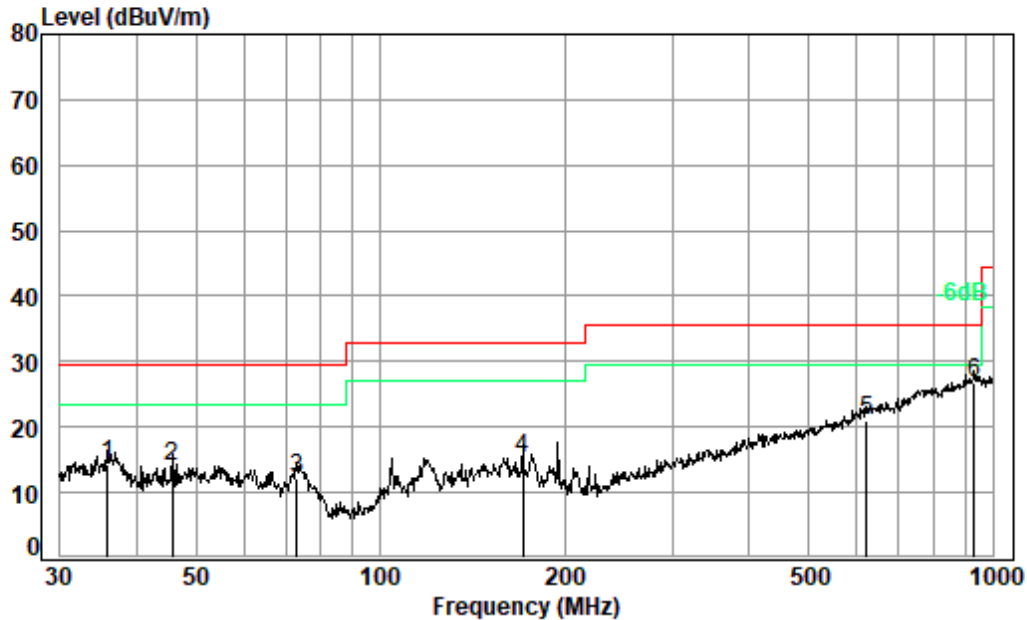
SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100527701

Amendment 01

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Test Mode: 01; Polarity: Vertical



Condition: 10m VERTICAL

Job No. : 05277AT

Test Mode: 01

		Read	Ant	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	35.875	29.93	16.63	0.12	32.40	14.28	29.50	-15.22	QP
2	45.695	28.45	17.66	0.21	32.40	13.92	29.50	-15.58	QP
3	73.103	29.17	15.09	0.38	32.48	12.16	29.50	-17.34	QP
4	170.793	30.16	17.01	0.60	32.50	15.27	33.00	-17.73	QP
5	622.890	27.16	24.57	2.11	32.70	21.14	35.60	-14.46	QP
6 pp	932.272	27.79	27.94	2.72	31.83	26.62	35.60	-8.98	QP



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Laboratory

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7.3 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209
 Test Method: ANSI C63.10 (2020) Section 6.6
 Measurement Distance: 3m
 Test Engineer: Logic Wang

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

7.3.1 E.U.T. Operation

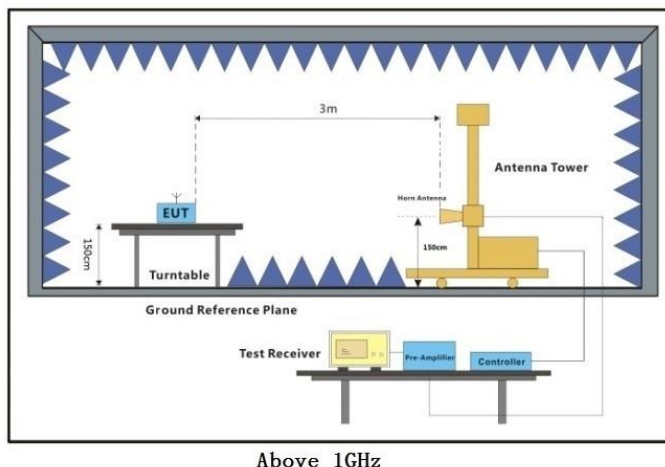
Operating Environment:

Temperature: 23.5 °C Humidity: 56.3 % RH Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode(Left earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	01	TX_non-Hop mode(Right earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
- For fundamental and harmonic signal AV measurement, follow ANSI C63.10 (2020), clause 7.8.8.2.



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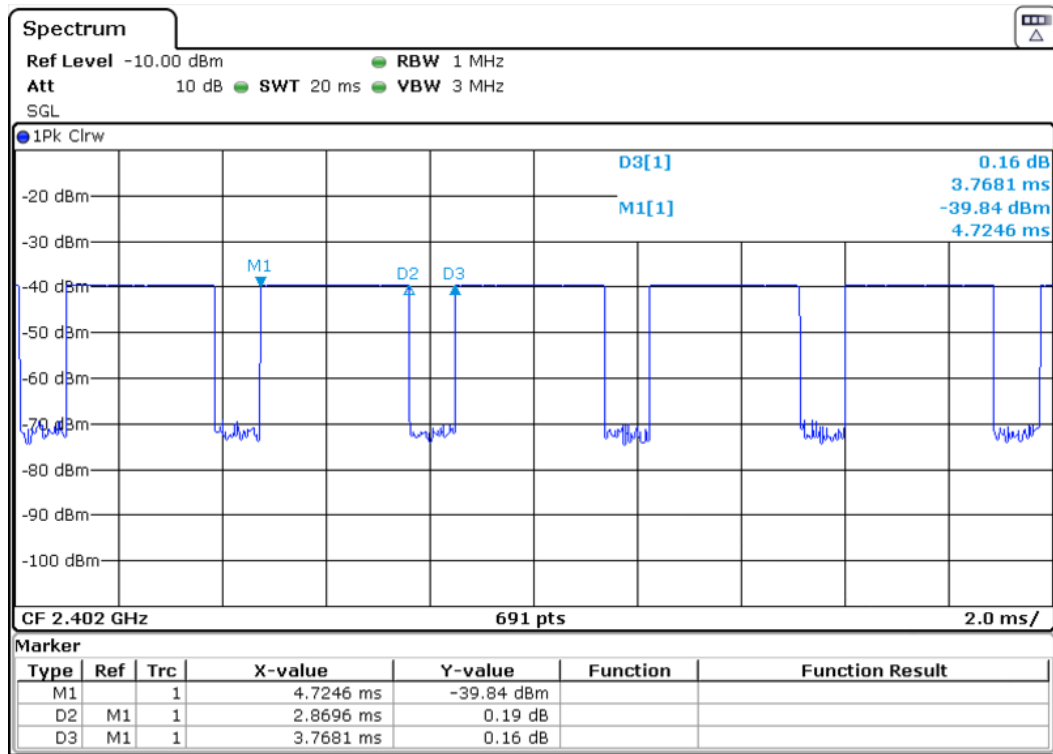
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Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.008	0.952	≥ 0.952	Pass
PI/4DQPSK	SISO	HOPP	2DH5	1.001	1.288	≥ 0.859	Pass
8DPSK	SISO	HOPP	3DH5	0.998	1.223	≥ 0.815	Pass

	Hopping number	On time(ms)	Duty cycle(%)	Correction factor									
				Bandedge	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
DH5	2	2.8696	0.06	-24.82	-24.82	-24.82	-24.82	-24.82	-24.82	-24.82	-24.82	-24.82	-24.82



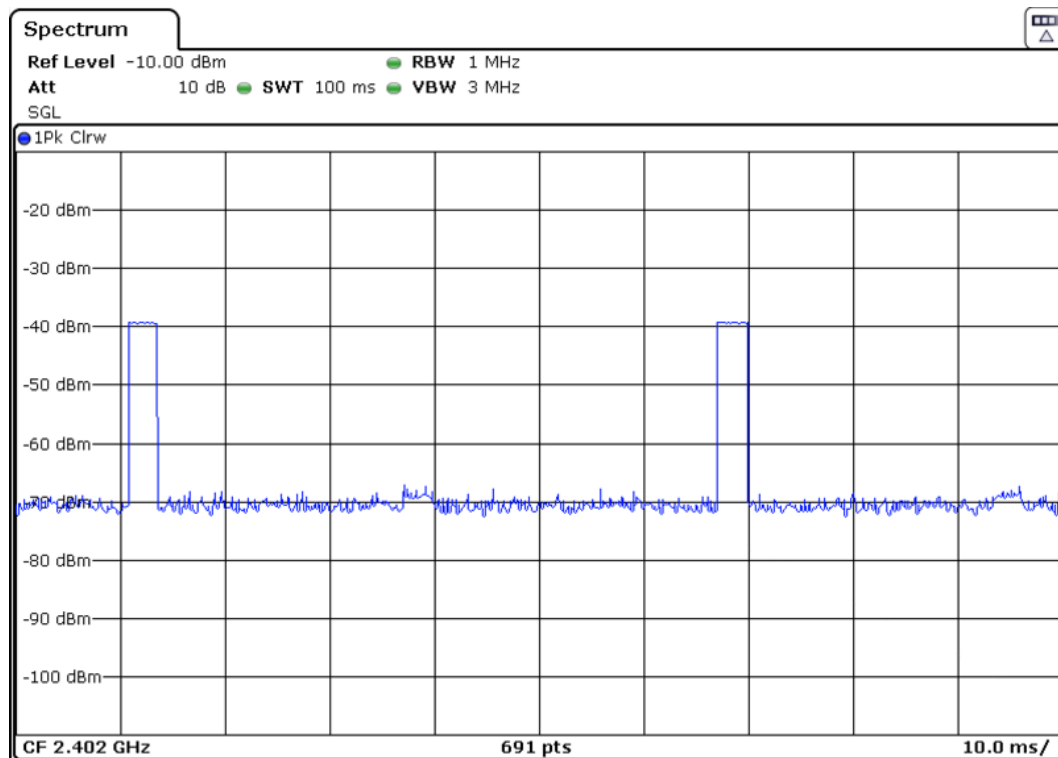
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Amendment 01

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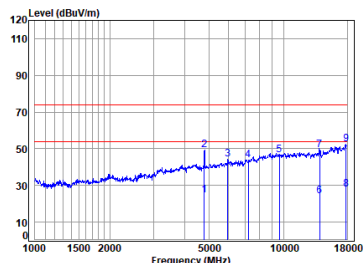
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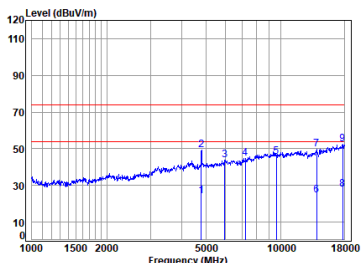
Left BT_DH5_TX_CH_00_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 05277AT
Mode : 2402 TX RSE

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 4804.000	7.41	34.32	54.22	37.10	24.61	54.00	-29.39	Average
2 4804.000	7.41	34.32	54.22	61.92	49.43	74.00	-24.57	Peak
3 5949.811	8.86	34.70	53.15	53.63	44.04	74.00	-29.96	Peak
4 7206.000	8.50	35.70	53.18	52.69	43.71	74.00	-30.29	Peak
5 9608.000	10.74	37.42	53.35	51.75	46.56	74.00	-27.44	Peak
6 13957.530	10.97	39.62	52.91	26.73	24.41	54.00	-29.59	Average
7 13957.530	10.97	39.62	52.91	51.55	49.23	74.00	-24.77	Peak
8 q17793.090	11.38	43.89	52.50	25.05	27.82	54.00	-26.18	Average
9 p17793.090	11.38	43.89	52.50	49.87	52.64	74.00	-21.36	Peak

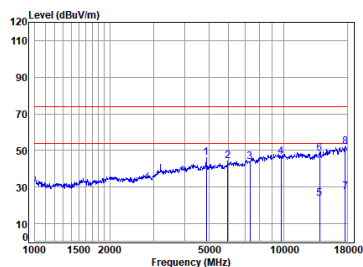
Left BT_DH5_TX_CH_00_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 05277AT
Mode : 2402 TX RSE

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 4804.000	7.41	34.32	54.22	36.90	24.41	54.00	-29.59	Average
2 4804.000	7.41	34.32	54.22	61.72	49.23	74.00	-24.77	Peak
3 5967.033	8.88	34.77	53.13	53.36	43.88	74.00	-30.12	Peak
4 7206.000	8.50	35.70	53.18	53.67	44.69	74.00	-29.31	Peak
5 9608.000	10.74	37.42	53.35	50.83	45.64	74.00	-28.36	Peak
6 13957.530	10.97	39.62	52.91	27.01	24.69	54.00	-29.31	Average
7 13957.530	10.97	39.62	52.91	51.83	49.51	74.00	-24.49	Peak
8 q17741.740	11.35	43.84	52.53	25.11	27.77	54.00	-26.23	Average
9 p17741.740	11.35	43.84	52.53	49.93	52.59	74.00	-21.41	Peak

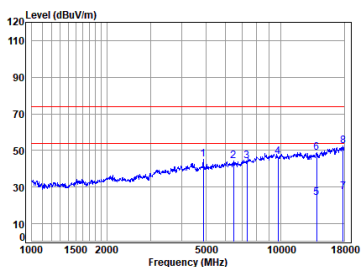
Left BT_DH5_TX_CH_39_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 05277AT
Mode : 2441 TX RSE

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 4882.000	7.47	34.63	54.21	58.15	46.04	74.00	-27.96	Peak
2 5949.811	8.86	34.70	53.15	54.02	44.43	74.00	-29.57	Peak
3 7323.000	8.46	35.70	53.17	52.73	43.72	74.00	-30.28	Peak
4 9764.000	10.69	37.37	53.29	51.79	46.56	74.00	-27.44	Peak
5 13957.530	10.97	39.62	52.91	26.04	23.72	54.00	-30.28	Average
6 13957.530	10.97	39.62	52.91	50.86	48.54	74.00	-25.46	Peak
7 q17690.530	11.32	43.78	52.55	24.71	27.26	54.00	-26.74	Average
8 p17690.530	11.32	43.78	52.55	49.53	52.08	74.00	-21.92	Peak

Left BT_DH5_TX_CH_39_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 05277AT
Mode : 2441 TX RSE

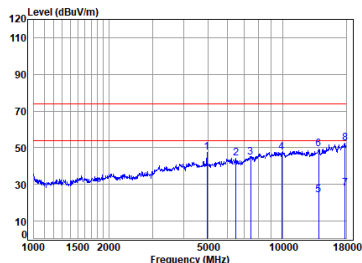
		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 4882.000	7.47	34.63	54.21	57.13	45.02	74.00	-28.98	Peak
2 6470.026	8.88	35.54	53.15	52.90	44.17	74.00	-29.83	Peak
3 7323.000	8.46	35.70	53.17	53.35	44.34	74.00	-29.66	Peak
4 9764.000	10.69	37.37	53.29	51.56	46.33	74.00	-27.67	Peak
5 13957.530	10.97	39.62	52.91	26.49	24.17	54.00	-29.83	Average
6 13957.530	10.97	39.62	52.91	51.31	48.99	74.00	-25.01	Peak
7 q17793.090	11.38	43.89	52.50	24.72	27.49	54.00	-26.51	Average
8 p17793.090	11.38	43.89	52.50	49.54	52.31	74.00	-21.69	Peak



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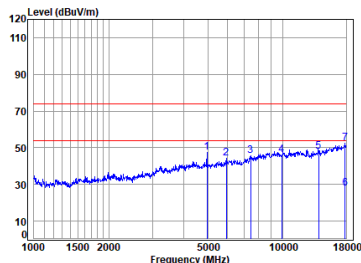
Left BT_DH5_TX_CH_78_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 05277AT
Mode : 2480 TX RSE
BT

Freq	Cable Loss	Factor	Ant Factor	Preamplifier	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 4960.000	7.53	34.56	54.20	59.56	47.45	74.00	-26.55	Peak	
2 6488.754	8.88	35.58	53.15	53.03	44.34	74.00	-29.66	Peak	
3 7440.000	8.43	35.96	53.15	53.43	44.67	74.00	-29.33	Peak	
4 9920.000	10.64	37.30	53.23	52.66	47.37	74.00	-26.63	Peak	
5 13957.530	10.97	39.62	52.91	26.69	24.37	54.00	-29.63	Average	
6 13957.530	10.97	39.62	52.91	51.51	49.19	74.00	-24.81	Peak	
7 q17793.090	11.38	43.89	52.50	25.08	27.85	54.00	-26.15	Average	
8 p17793.090	11.38	43.89	52.50	49.90	52.67	74.00	-21.33	Peak	

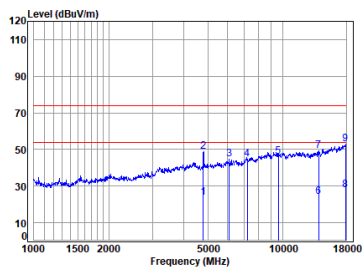
Left BT_DH5_TX_CH_78_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 05277AT
Mode : 2480 TX RSE
BT

Freq	Cable Loss	Factor	Ant Factor	Preamplifier	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 4960.000	7.53	34.56	54.20	59.60	47.49	74.00	-26.51	Peak	
2 5932.638	8.83	34.67	53.17	53.82	44.15	74.00	-29.85	Peak	
3 7440.000	8.43	35.96	53.15	54.36	45.60	74.00	-28.40	Peak	
4 9920.000	10.64	37.30	53.23	51.59	46.30	74.00	-27.70	Peak	
5 13957.530	10.97	39.62	52.91	50.06	47.74	74.00	-26.26	Peak	
6 q17844.590	11.41	43.90	52.48	24.84	27.67	54.00	-26.33	Average	
7 p17844.590	11.41	43.90	52.48	49.66	52.49	74.00	-21.51	Peak	

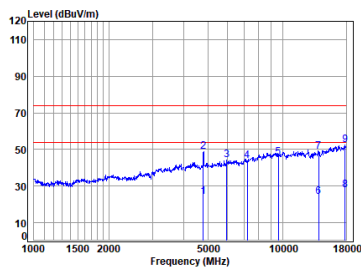
Right BT_DH5_TX_CH_00_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 05277AT
Mode : 2402 TX RSE
BT

Freq	Cable Loss	Factor	Ant Factor	Preamplifier	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 4804.000	7.41	34.32	54.22	36.29	23.80	54.00	-30.20	Average	
2 4804.000	7.41	34.32	54.22	61.11	48.62	74.00	-25.38	Peak	
3 6088.991	8.92	35.08	53.11	53.64	44.53	74.00	-29.47	Peak	
4 7206.000	8.50	35.70	53.18	53.82	44.84	74.00	-29.16	Peak	
5 9608.000	10.74	37.42	53.35	51.39	46.20	74.00	-27.80	Peak	
6 13957.530	10.97	39.62	52.91	26.61	24.29	54.00	-29.71	Average	
7 13957.530	10.97	39.62	52.91	51.43	49.11	74.00	-24.89	Peak	
8 q17896.250	11.44	43.90	52.45	25.03	27.92	54.00	-26.08	Average	
9 p17896.250	11.44	43.90	52.45	49.85	52.74	74.00	-21.26	Peak	

Right BT_DH5_TX_CH_00_Vertical

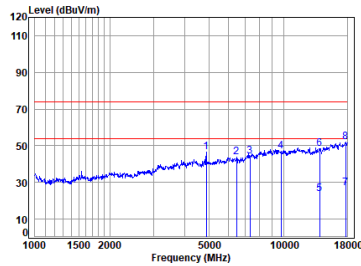


Site : chamber
Condition: 3m VERTICAL
Job No : 05277AT
Mode : 2402 TX RSE
BT

Freq	Cable Loss	Factor	Ant Factor	Preamplifier	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 4804.000	7.41	34.32	54.22	36.58	24.09	54.00	-29.91	Average	
2 4804.000	7.41	34.32	54.22	61.40	48.91	74.00	-25.09	Peak	
3 5967.033	8.88	34.77	53.13	53.52	44.04	74.00	-29.96	Peak	
4 7206.000	8.50	35.70	53.18	52.83	43.85	74.00	-30.15	Peak	
5 9608.000	10.74	37.42	53.35	51.04	45.85	74.00	-28.15	Peak	
6 13957.530	10.97	39.62	52.91	26.34	24.02	54.00	-29.98	Average	
7 13957.530	10.97	39.62	52.91	51.16	48.84	74.00	-25.16	Peak	
8 q17844.590	11.41	43.90	52.48	25.01	27.84	54.00	-26.16	Average	
9 p17844.590	11.41	43.90	52.48	49.83	52.66	74.00	-21.34	Peak	



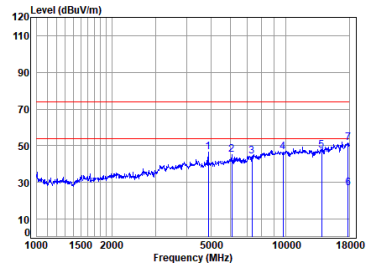
Right BT_DH5_TX_CH_39_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 05277AT
Mode : 2441 TX RSE
BT

Freq	Cable Loss	Factor	Ant Factor	Preamplifier	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 4882.000	7.47	34.63	54.21	58.46	46.35	74.00	-27.65	Peak	
2 6470.026	8.88	35.54	53.15	52.51	43.78	74.00	-30.22	Peak	
3 7323.000	8.46	35.70	53.17	53.45	44.44	74.00	-29.56	Peak	
4 9764.000	10.69	37.37	53.29	52.23	47.00	74.00	-27.00	Peak	
5 13957.530	10.97	39.62	52.91	25.98	23.66	54.00	-30.34	Average	
6 13957.530	10.97	39.62	52.91	50.80	48.48	74.00	-25.52	Peak	
7 q17741.740	11.35	43.84	52.53	24.41	27.07	54.00	-26.93	Average	
8 p17741.740	11.35	43.84	52.53	49.23	51.89	74.00	-22.11	Peak	

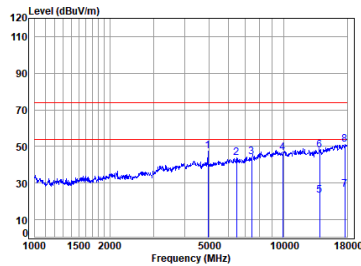
Right BT_DH5_TX_CH_39_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 05277AT
Mode : 2441 TX RSE
BT

Freq	Cable Loss	Factor	Ant Factor	Preamplifier	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 4882.000	7.47	34.63	54.21	58.82	46.71	74.00	-27.29	Peak	
2 6071.417	8.92	35.04	53.11	54.50	45.35	74.00	-28.65	Peak	
3 7323.000	8.46	35.70	53.17	53.13	44.12	74.00	-29.88	Peak	
4 9764.000	10.69	37.37	53.29	51.54	46.31	74.00	-27.69	Peak	
5 13957.530	10.97	39.62	52.91	49.72	47.40	74.00	-26.60	Peak	
6 q17793.090	11.38	43.89	52.50	24.16	26.93	54.00	-27.07	Average	
7 p17793.090	11.38	43.89	52.50	48.98	51.75	74.00	-22.25	Peak	

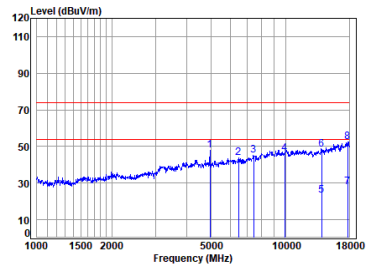
Right BT_DH5_TX_CH_78_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 05277AT
Mode : 2480 TX RSE
BT

Freq	Cable Loss	Factor	Ant Factor	Preamplifier	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 4960.000	7.53	34.56	54.20	59.69	47.58	74.00	-26.42	Peak	
2 6470.026	8.88	35.54	53.15	52.68	43.95	74.00	-30.05	Peak	
3 7440.000	8.43	35.96	53.15	53.07	44.31	74.00	-29.69	Peak	
4 9920.000	10.64	37.30	53.23	51.83	46.54	74.00	-27.46	Peak	
5 13957.530	10.97	39.62	52.91	25.60	23.28	54.00	-30.72	Average	
6 13957.530	10.97	39.62	52.91	50.42	48.10	74.00	-25.90	Peak	
7 q17588.560	11.25	43.58	52.60	24.21	26.44	54.00	-27.56	Average	
8 p17588.560	11.25	43.58	52.60	49.03	51.26	74.00	-22.74	Peak	

Right BT_DH5_TX_CH_78_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 05277AT
Mode : 2480 TX RSE
BT

Freq	Cable Loss	Factor	Ant Factor	Preamplifier	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 4960.000	7.53	34.56	54.20	59.97	47.86	74.00	-26.14	Peak	
2 6470.026	8.88	35.54	53.15	52.73	44.00	74.00	-30.00	Peak	
3 7440.000	8.43	35.96	53.15	53.95	45.19	74.00	-28.81	Peak	
4 9920.000	10.64	37.30	53.23	51.54	46.25	74.00	-27.75	Peak	
5 13957.530	10.97	39.62	52.91	25.80	23.48	54.00	-30.52	Average	
6 13957.530	10.97	39.62	52.91	50.62	48.30	74.00	-25.70	Peak	
7 q17741.740	11.35	43.84	52.53	25.05	27.71	54.00	-26.29	Average	
8 p17741.740	11.35	43.84	52.53	49.87	52.53	74.00	-21.47	Peak	



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7.4 Conducted Peak Output Power

Test Requirement: 47 CFR Part 15, Subpart C 15.247(b)(1)
 Test Method: ANSI C63.10 (2020) Section 7.8.5
 Test Engineer: Linvo Ding

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq$ hopping channels < 50
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 27.5 °C Humidity: 47.1 % RH Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode(Left earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	01	TX_non-Hop mode(Right earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.

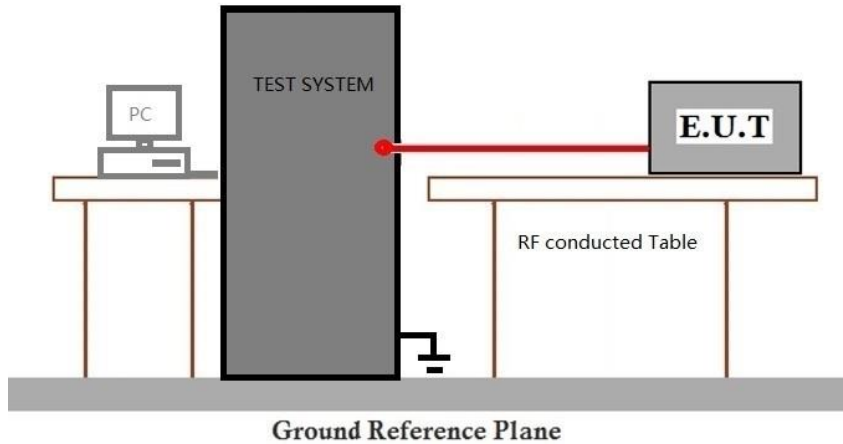


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7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details



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7.5 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247(a)(1)
 Test Method: ANSI C63.10 (2020) Section 6.9.2
 Test Engineer: Linvo Ding

Limit:

20 dB bandwidth of the hopping channel	Hopping frequencies	Average time of occupancy
less than 250 kHz	least 50 hopping frequencies	shall not be greater than 0.4 seconds within a 20 second period
250 kHz to 500kHz	least 25 hopping frequencies	shall not be greater than 0.4 seconds within a 10 second period.

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 27.5 °C Humidity: 47.0 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode(Left earbud) Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	01	TX_non-Hop mode(Right earbud) Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.



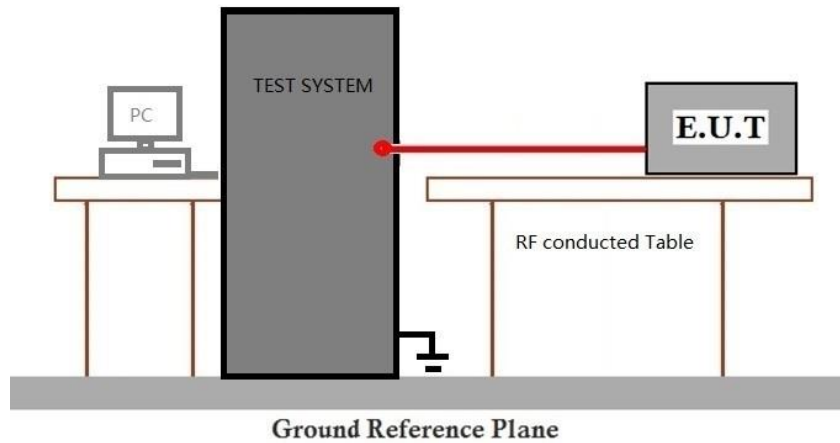
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7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.6 Carrier Frequencies Separation

Test Requirement: 47 CFR Part 15, Subpart C 15.247a(1)
 Test Method: ANSI C63.10 (2020) Section 7.8.2
 Test Engineer: Linvo Ding

Limit:

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 27.5 °C Humidity: 46.9 % RH Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX_Hop mode(Left earbud)_Keep the EUT in frequency hopping mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	05	TX_Hop mode(Right earbud)_Keep the EUT in frequency hopping mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.



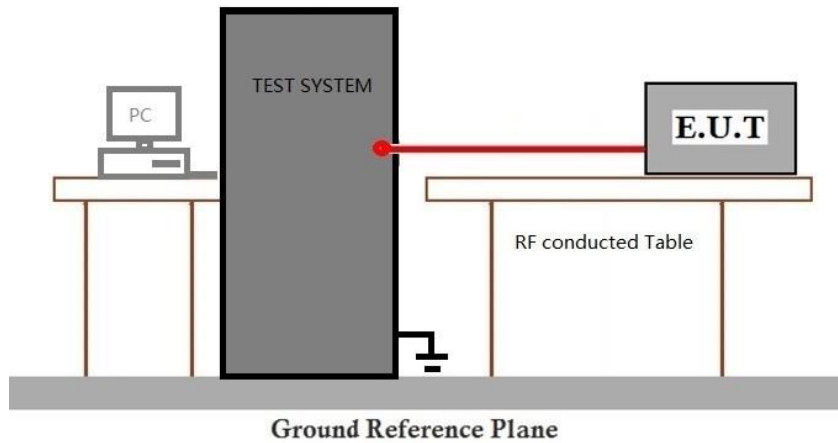
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7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 Hopping Channel Number

Test Requirement 47 CFR Part 15, Subpart C 15.247a(1)(iii)
 Test Method: ANSI C63.10 (2020) Section 7.8.3
 Test Engineer: Linvo Ding

Limit:

Frequency range(MHz)	Number of hopping channels (minimum)
902-928	50 for 20dB bandwidth <250kHz
	25 for 20dB bandwidth ≥250kHz
2400-2483.5	15
5725-5850	75

7.7.1 E.U.T. Operation

Operating Environment:

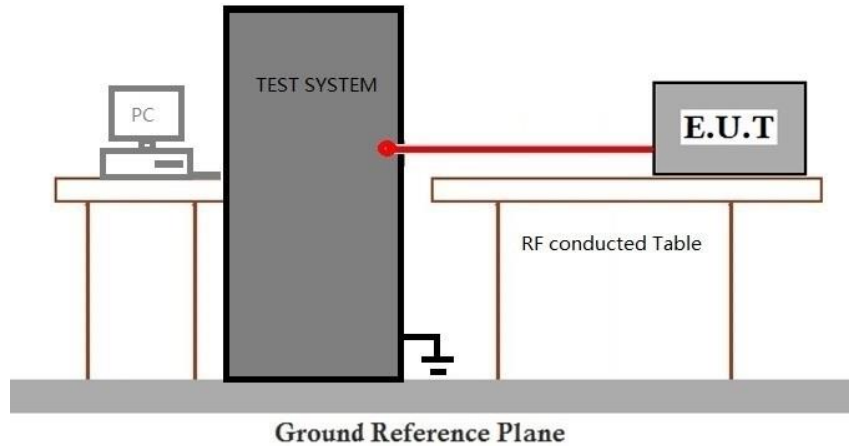
Temperature: 27.5 °C Humidity: 46.8 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX_Hop mode(Left earbud)_Keep the EUT in frequency hopping mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	05	TX_Hop mode(Right earbud)_Keep the EUT in frequency hopping mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.



7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.8 Dwell Time

Test Requirement: 47 CFR Part 15, Subpart C 15.247a(1)(iii)
 Test Method: ANSI C63.10 (2020) Section 7.8.4
 Test Engineer: Linvo Ding

Limit:

Frequency(MHz)	Limit
902-928	0.4S within a 20S period(20dB bandwidth<250kHz)
	0.4S within a 10S period(20dB bandwidth≥250kHz)
2400-2483.5	0.4S within a period of 0.4S multiplied by the number of hopping channels
5725-5850	0.4S within a 30S period

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 27.5 °C Humidity: 47.0 % RH Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX_Hop mode(Left earbud)_Keep the EUT in frequency hopping mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	05	TX_Hop mode(Right earbud)_Keep the EUT in frequency hopping mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.



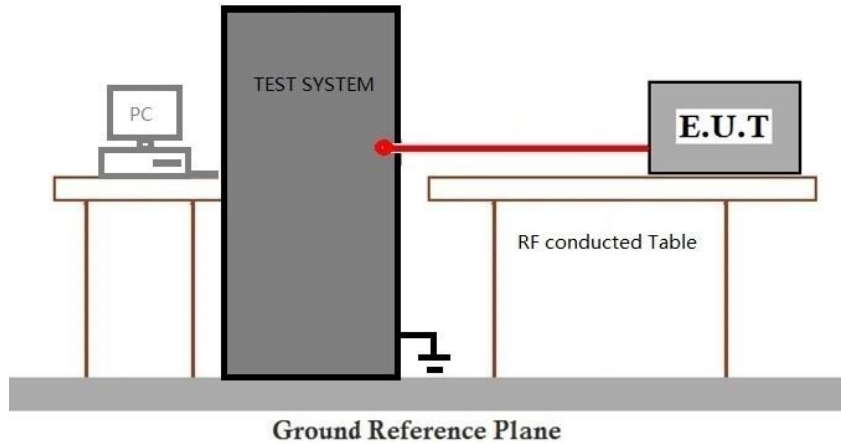
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7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.9 Conducted Band Edges Measurement

Test Requirement: 47 CFR Part 15, Subpart C 15.247(d)
 Test Method: ANSI C63.10 (2020) Section 7.8.7.2
 Test Engineer: Linvo Ding

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.9.1 E.U.T. Operation

Operating Environment:

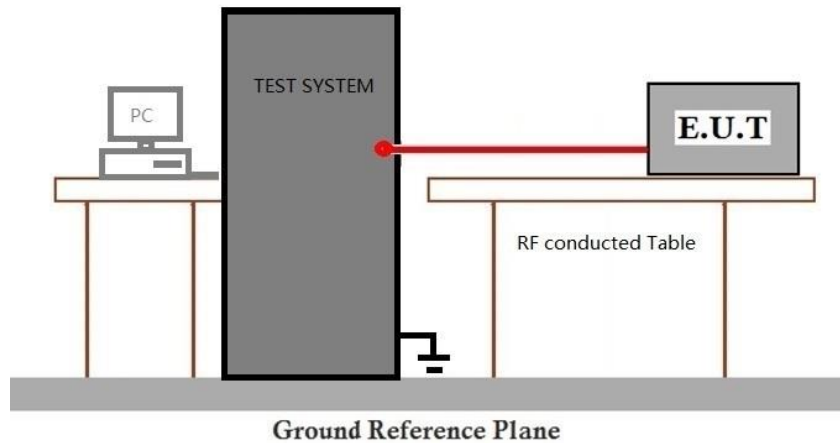
Temperature: 27.5 °C Humidity: 46.9 % RH Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode(Left earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	01	TX_non-Hop mode(Right earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	04	TX_Hop mode(Left earbud)_Keep the EUT in frequency hopping mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	05	TX_Hop mode(Right earbud)_Keep the EUT in frequency hopping mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.



7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.10 Conducted Spurious Emissions

Test Requirement: 47 CFR Part 15, Subpart C 15.247(d)
 Test Method: ANSI C63.10 (2020) Section 7.8.7
 Test Engineer: Linvo Ding

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.10.1 E.U.T. Operation

Operating Environment:

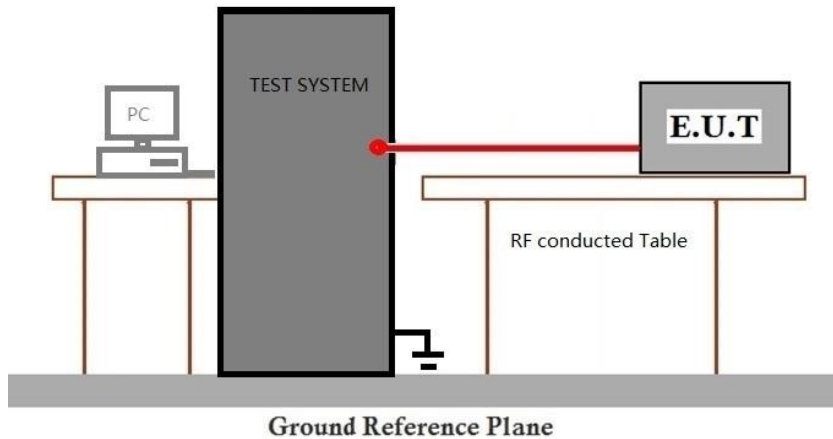
Temperature: 27.5 °C Humidity: 46.9 % RH Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode(Left earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.
Final test	01	TX_non-Hop mode(Right earbud)_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.



7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2511005277AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2511005277AT



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10 Appendix

For right earbud:

1. Duty Cycle

1.1 Test Result

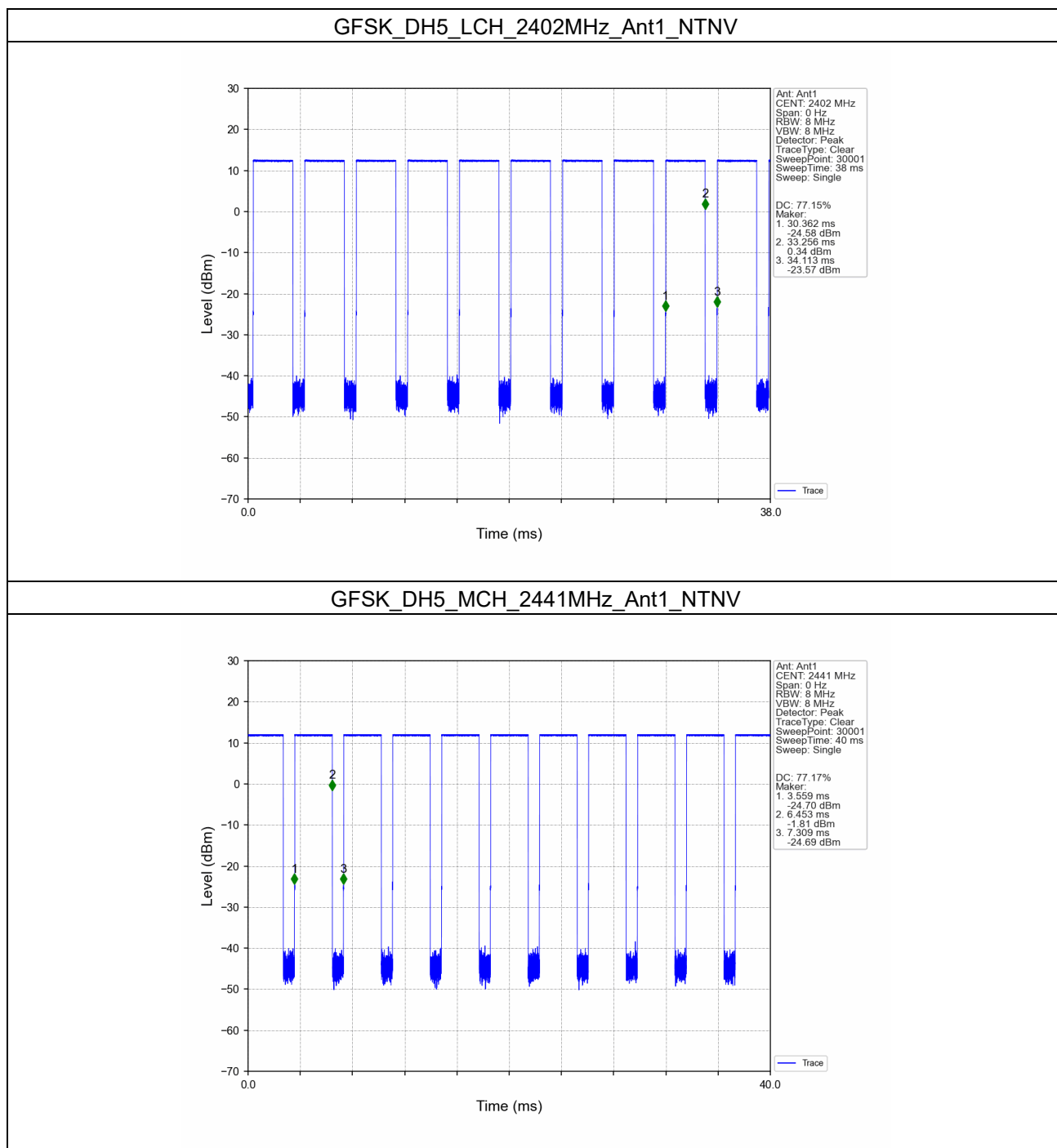
1.1.1 Ant1

Ant1								
Mode	TX Type	Frequency (MHz)	Packet Type	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
GFSK	SISO	2402	DH5	2.894	3.751	77.15	1.13	0.03
		2441	DH5	2.894	3.750	77.17	1.13	0.03
		2480	DH5	2.894	3.750	77.17	1.13	0.03
Pi/4DQPSK	SISO	2402	2DH5	2.907	3.750	77.52	1.11	0.03
		2441	2DH5	2.906	3.750	77.49	1.11	0.03
		2480	2DH5	2.907	3.751	77.50	1.11	0.03
8DPSK	SISO	2402	3DH5	2.907	3.750	77.52	1.11	0.01
		2441	3DH5	2.907	3.749	77.54	1.10	0.03
		2480	3DH5	2.907	3.749	77.54	1.10	0.03



1.2 Test Graph

1.2.1 Ant1



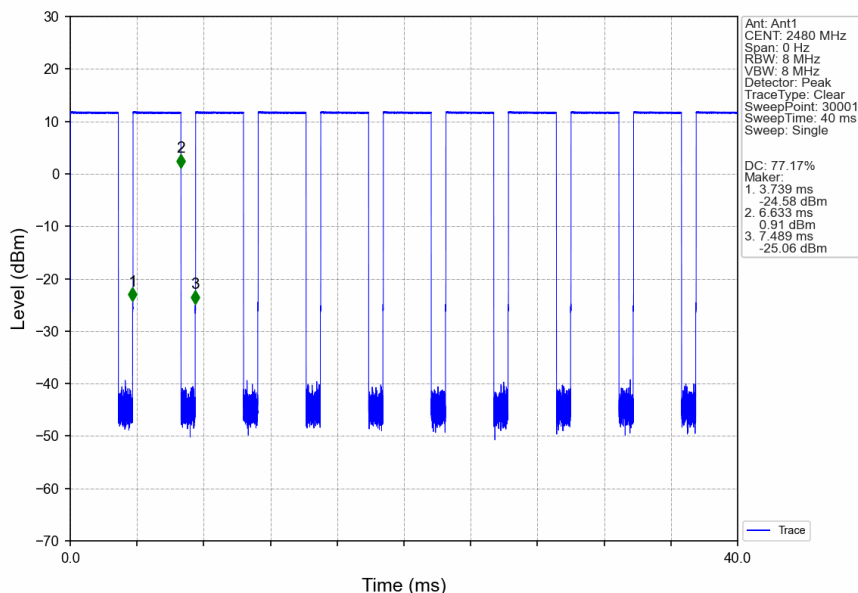
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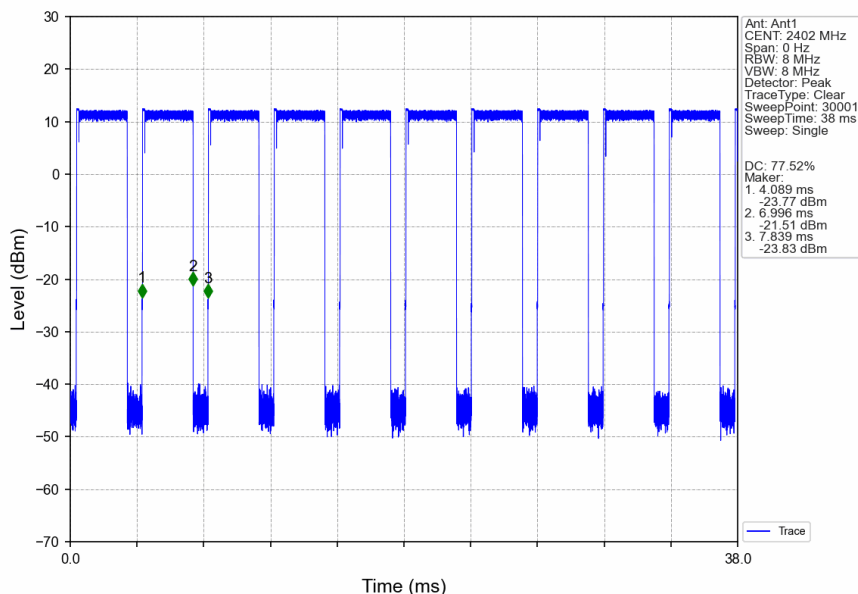
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Shenzhen Branch Testing Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

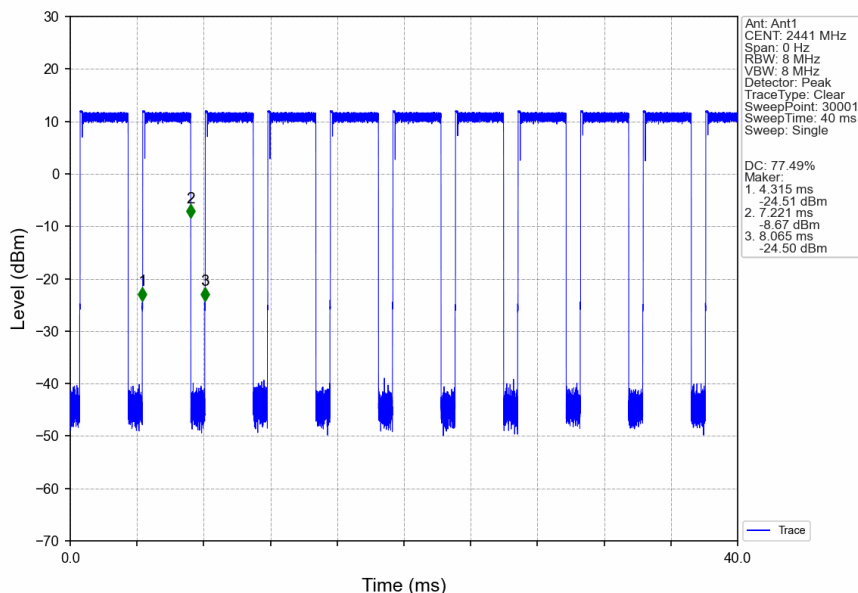
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



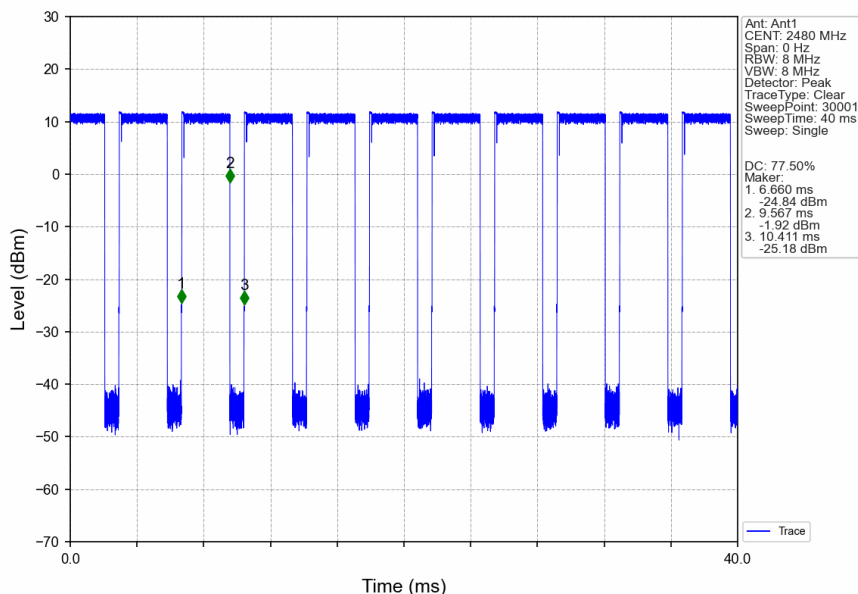
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



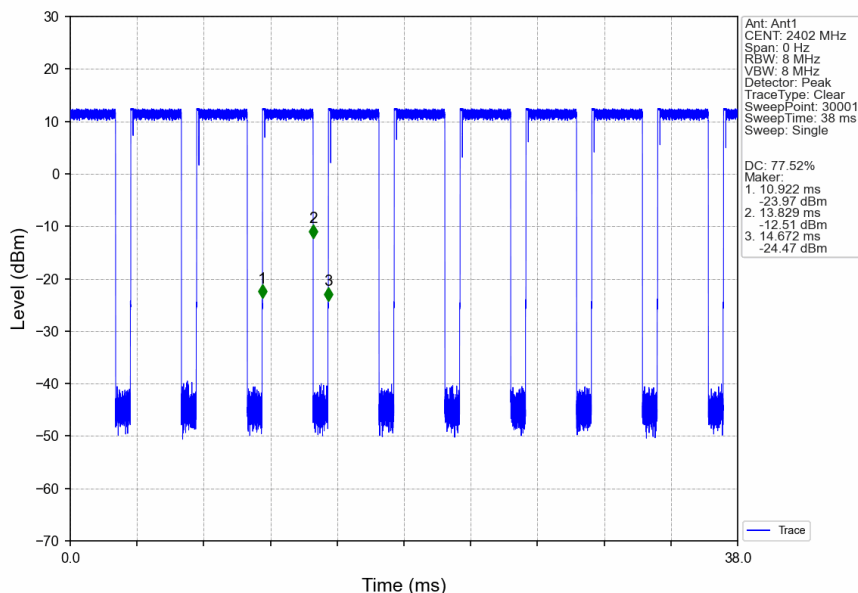
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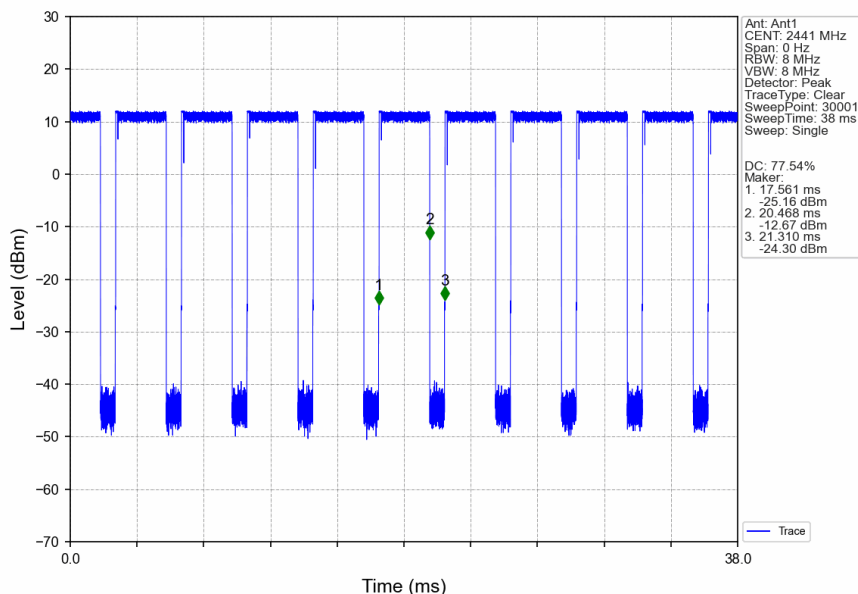
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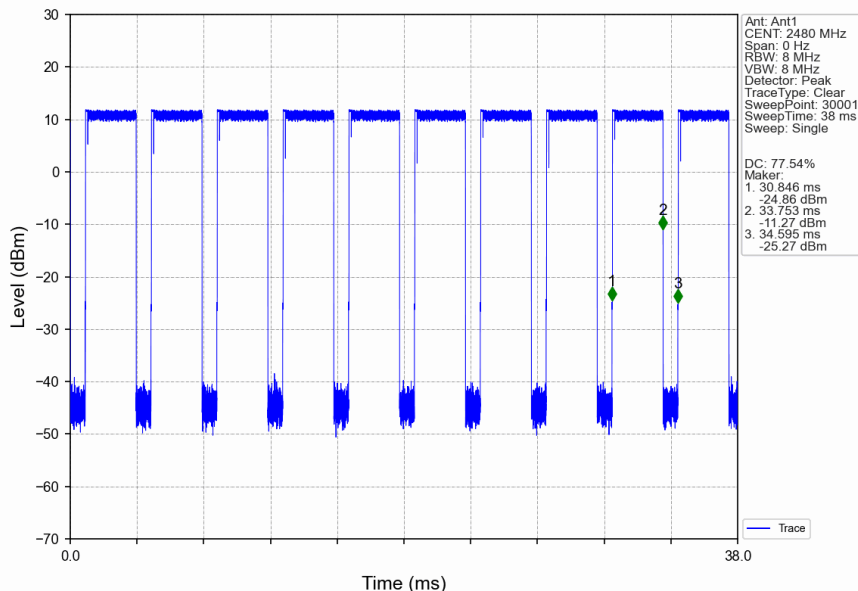
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

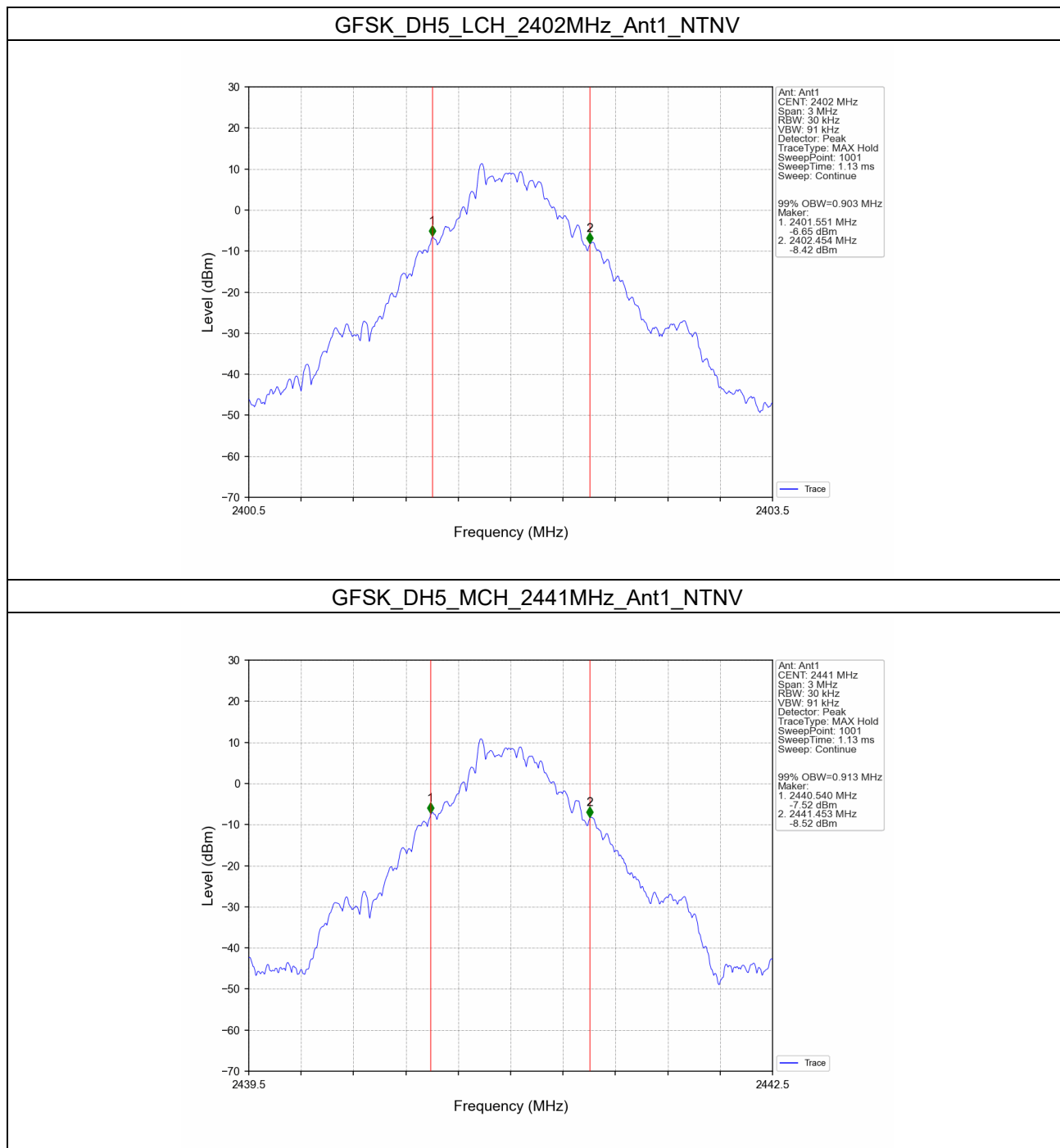
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.903	/	Pass
		2441	DH5	1	0.913	/	Pass
		2480	DH5	1	0.920	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.179	/	Pass
		2441	2DH5	1	1.174	/	Pass
		2480	2DH5	1	1.181	/	Pass
8DPSK	SISO	2402	3DH5	1	1.164	/	Pass
		2441	3DH5	1	1.172	/	Pass
		2480	3DH5	1	1.163	/	Pass

2.1.2 20dB BW

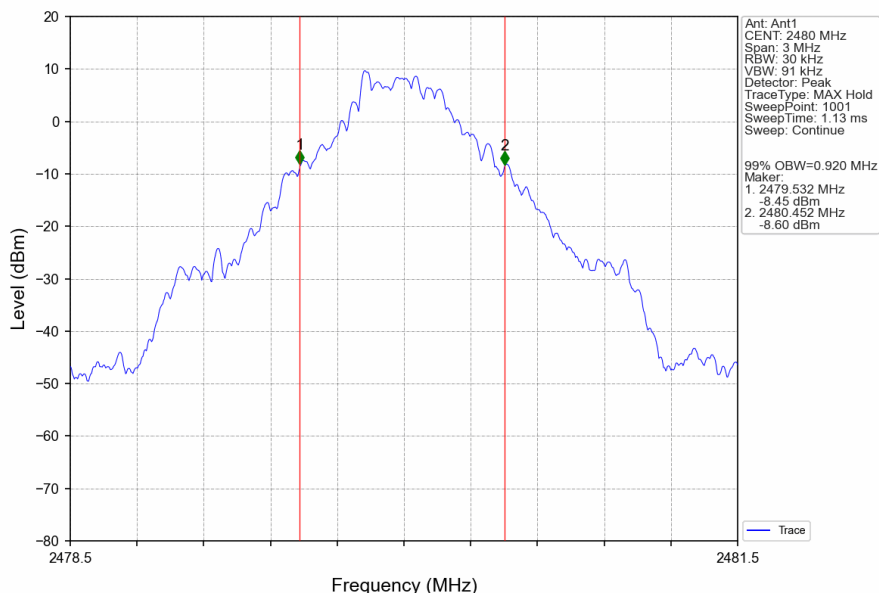
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					Result	Limit	
GFSK	SISO	2402	DH5	1	0.946	/	Pass
		2441	DH5	1	0.976	/	Pass
		2480	DH5	1	0.991	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.285	/	Pass
		2441	2DH5	1	1.281	/	Pass
		2480	2DH5	1	1.284	/	Pass
8DPSK	SISO	2402	3DH5	1	1.252	/	Pass
		2441	3DH5	1	1.256	/	Pass
		2480	3DH5	1	1.265	/	Pass

2.2 Test Graph

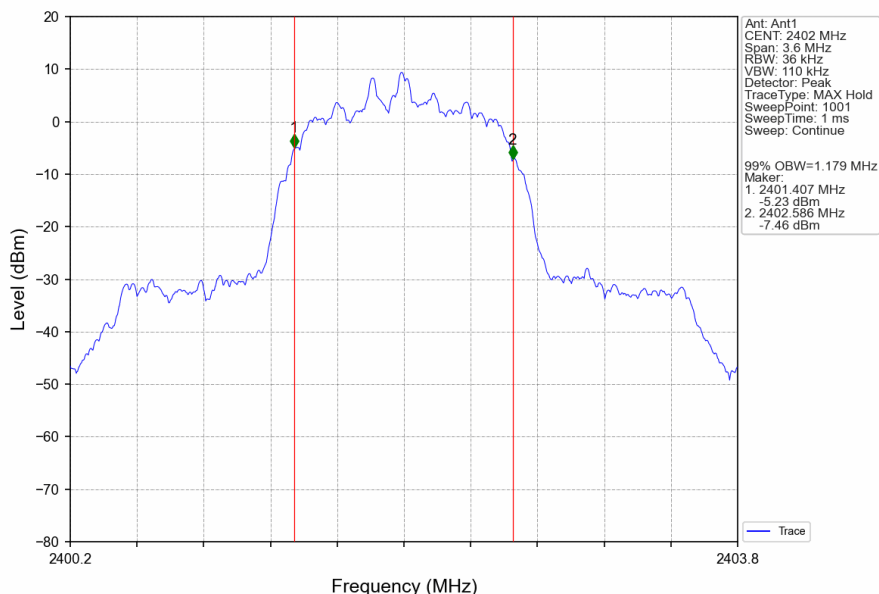
2.2.1 OBW



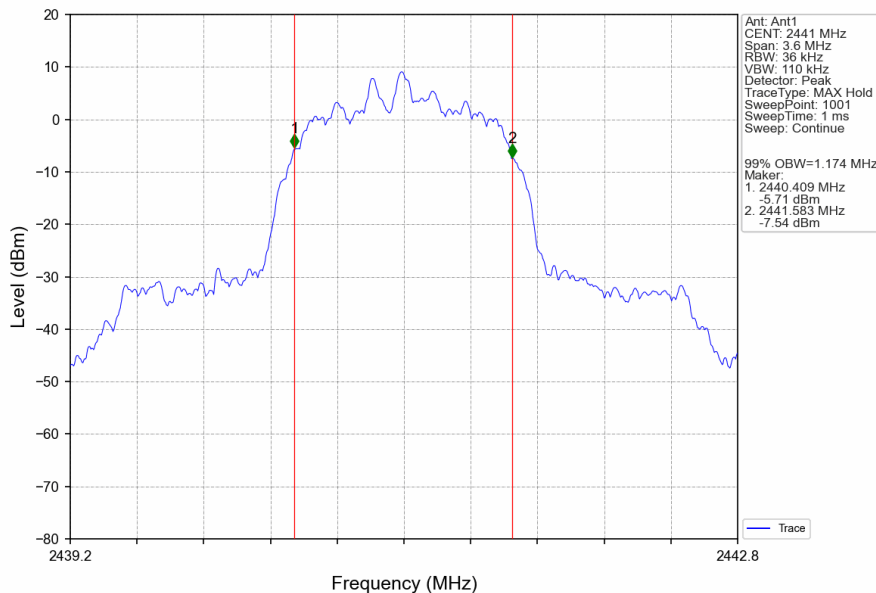
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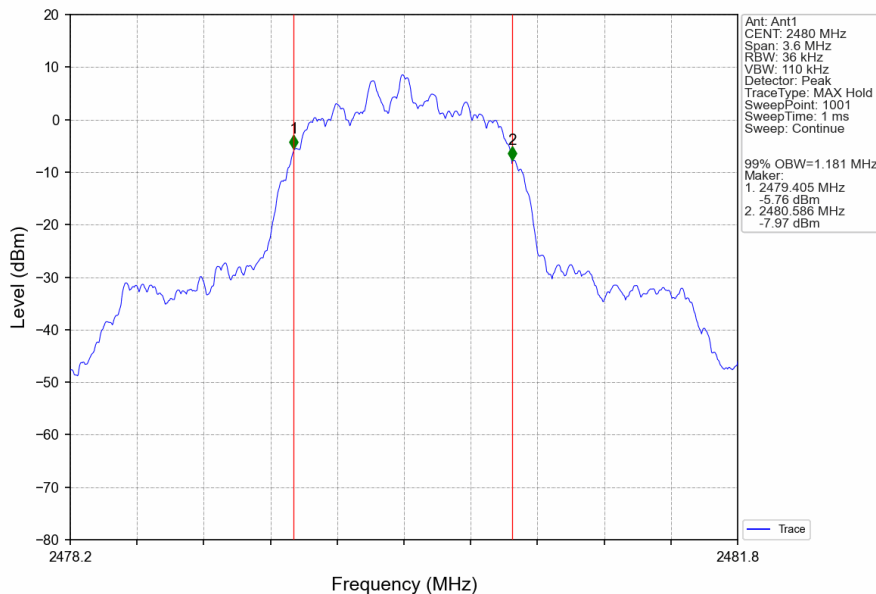
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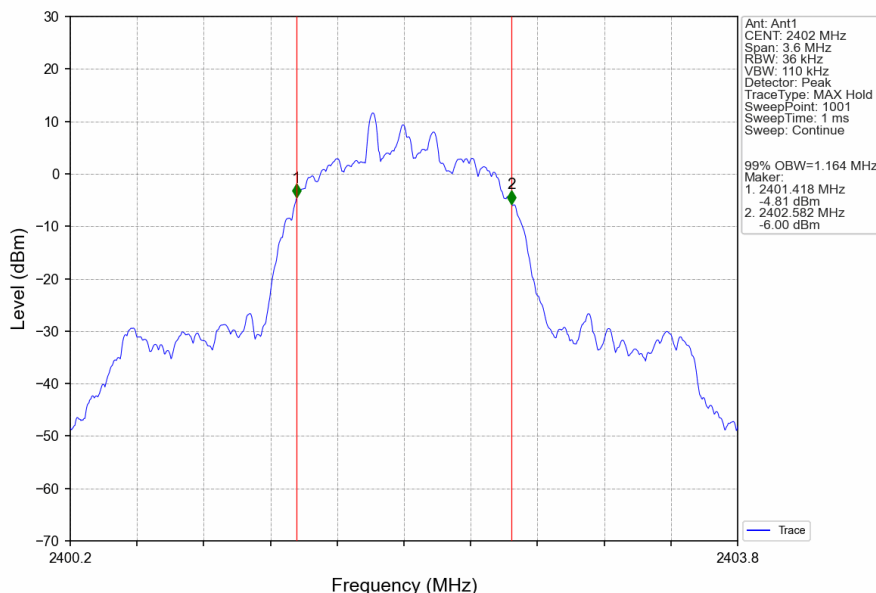
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



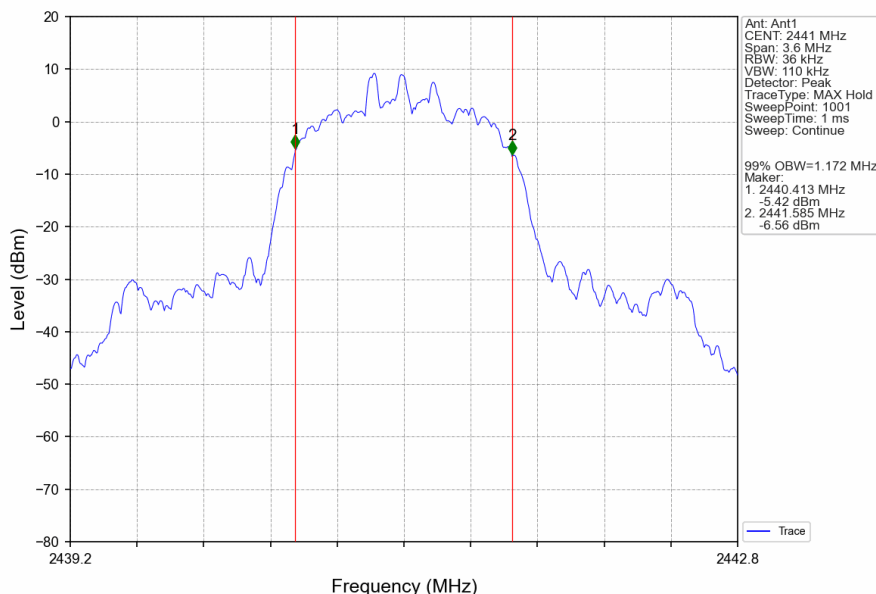
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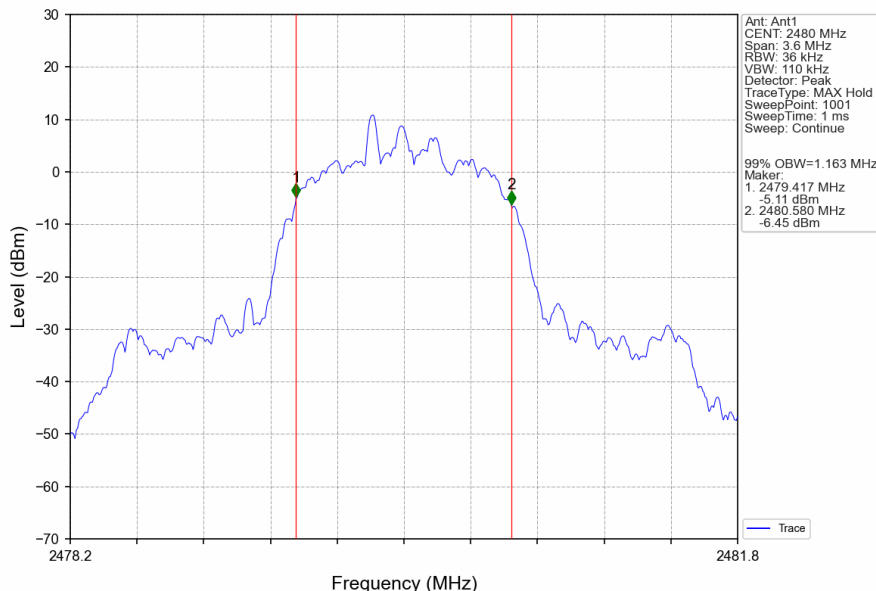
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



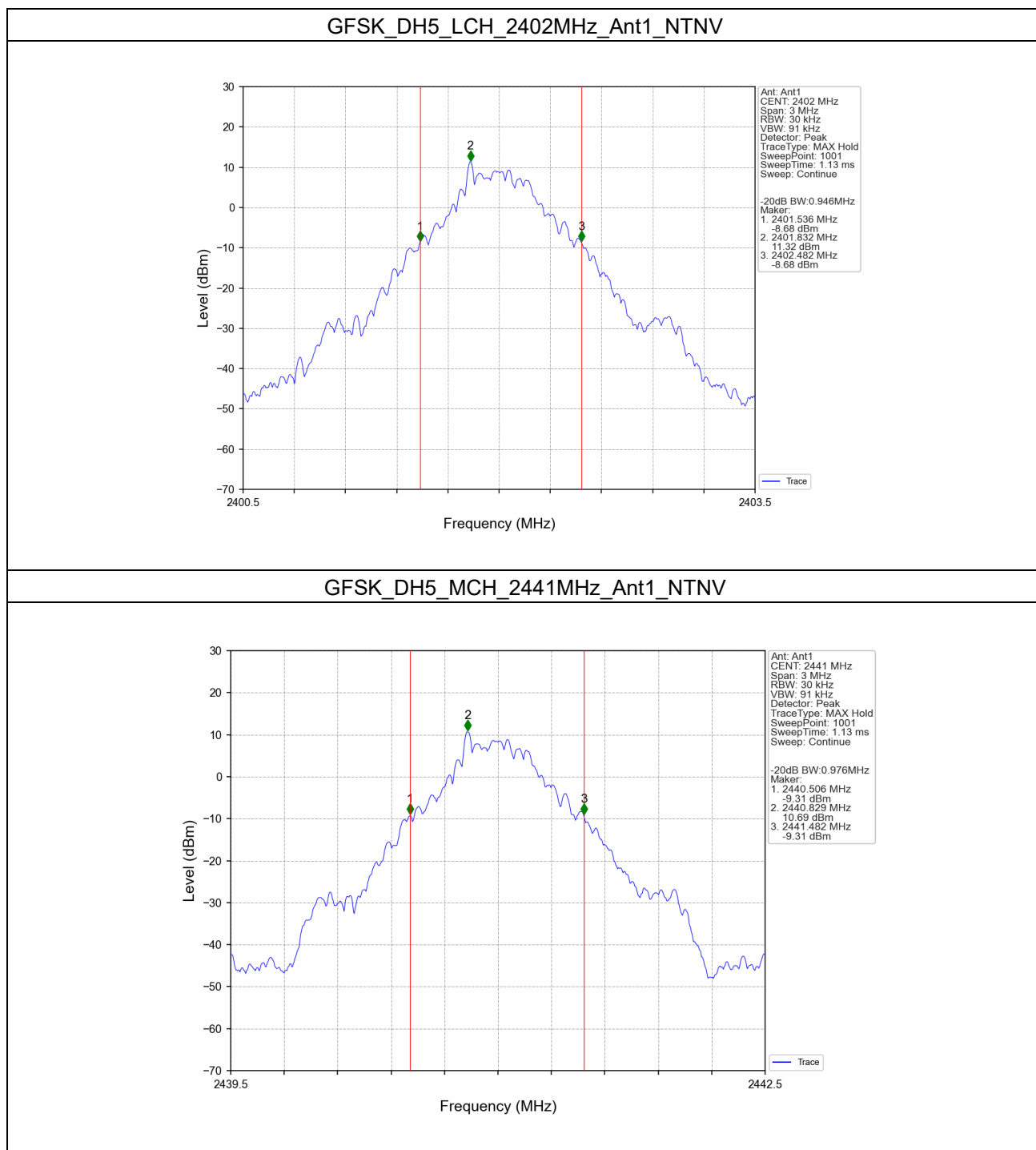
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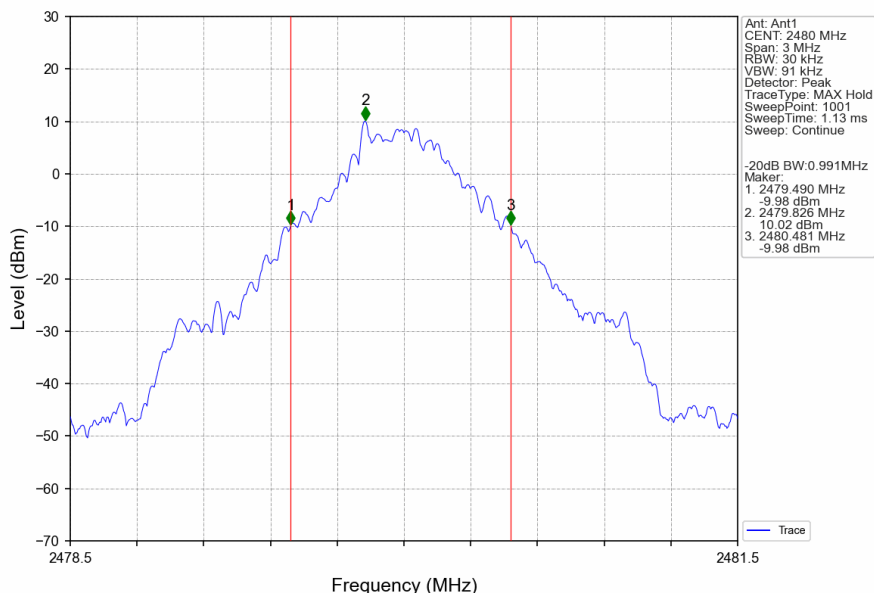
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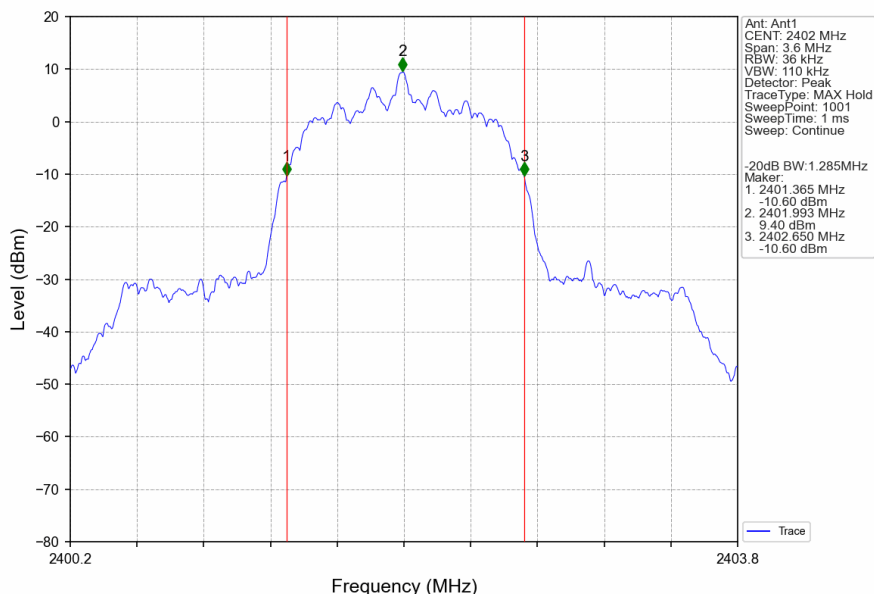
2.2.2 20dB BW



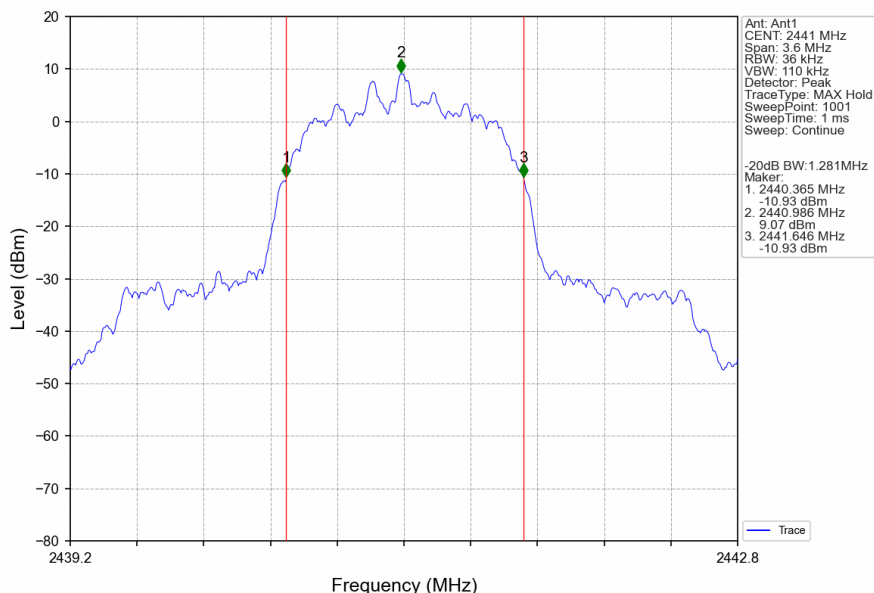
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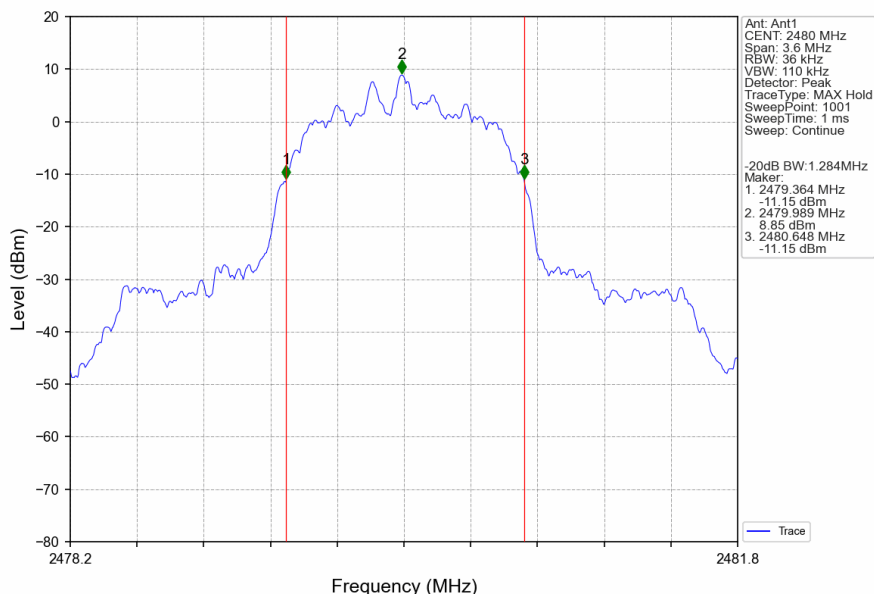
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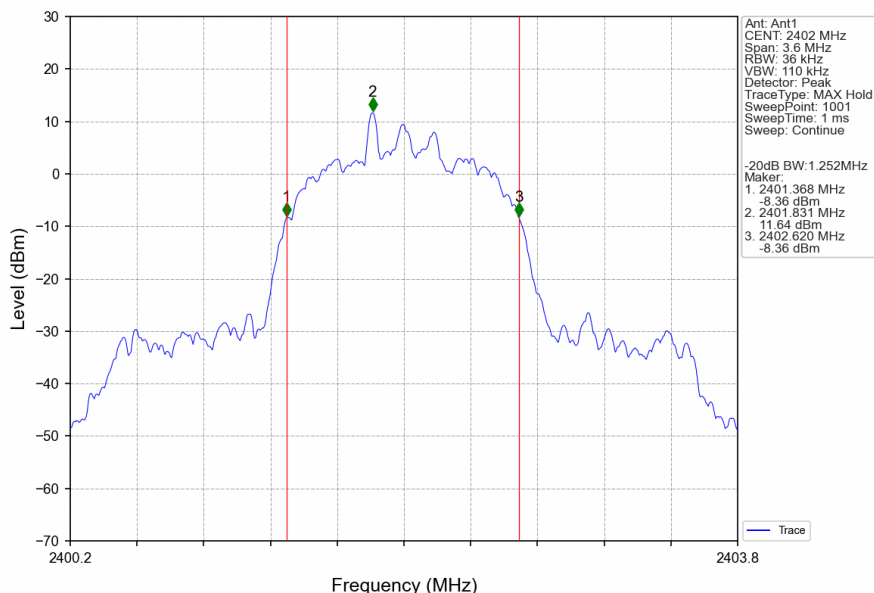
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



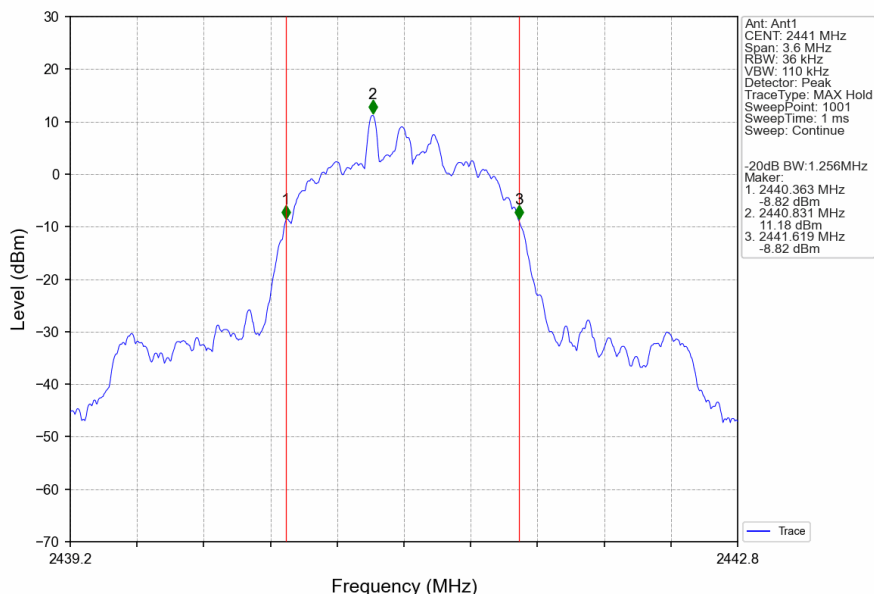
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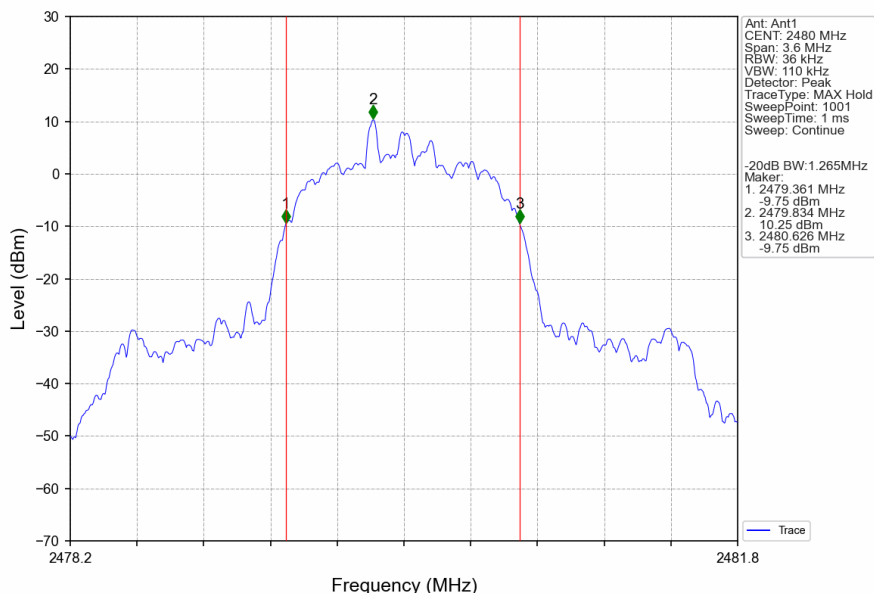
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	12.39	<=30	Pass
		2441	DH5	11.90	<=30	Pass
		2480	DH5	11.68	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	12.34	<=20.97	Pass
		2441	2DH5	11.92	<=20.97	Pass
		2480	2DH5	11.75	<=20.97	Pass
8DPSK	SISO	2402	3DH5	12.35	<=20.97	Pass
		2441	3DH5	11.90	<=20.97	Pass
		2480	3DH5	11.73	<=20.97	Pass

Note1: Antenna Gain: Ant1: -2.70dBi;

4. Carrier Frequency Separation

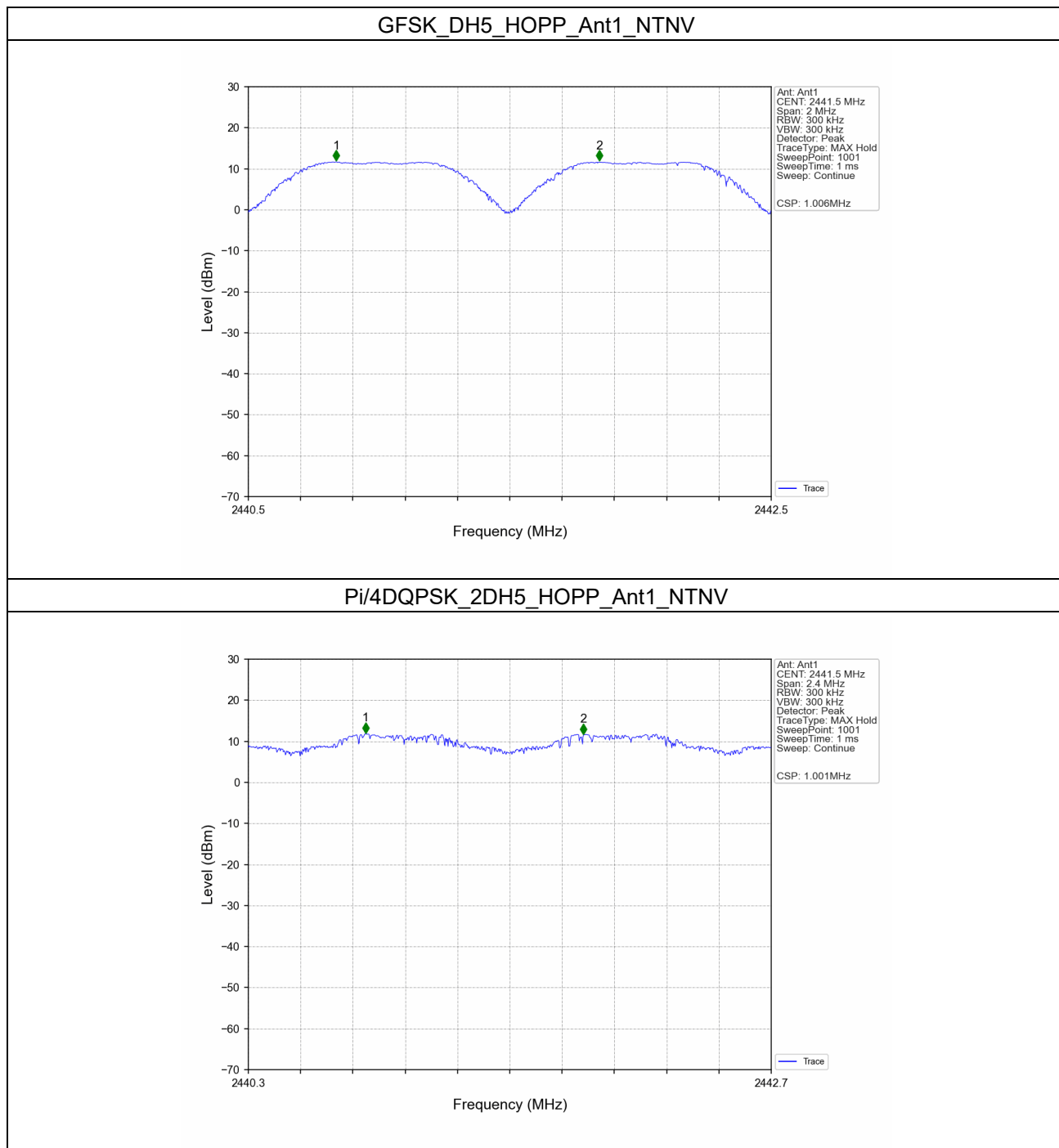
4.1 Test Result

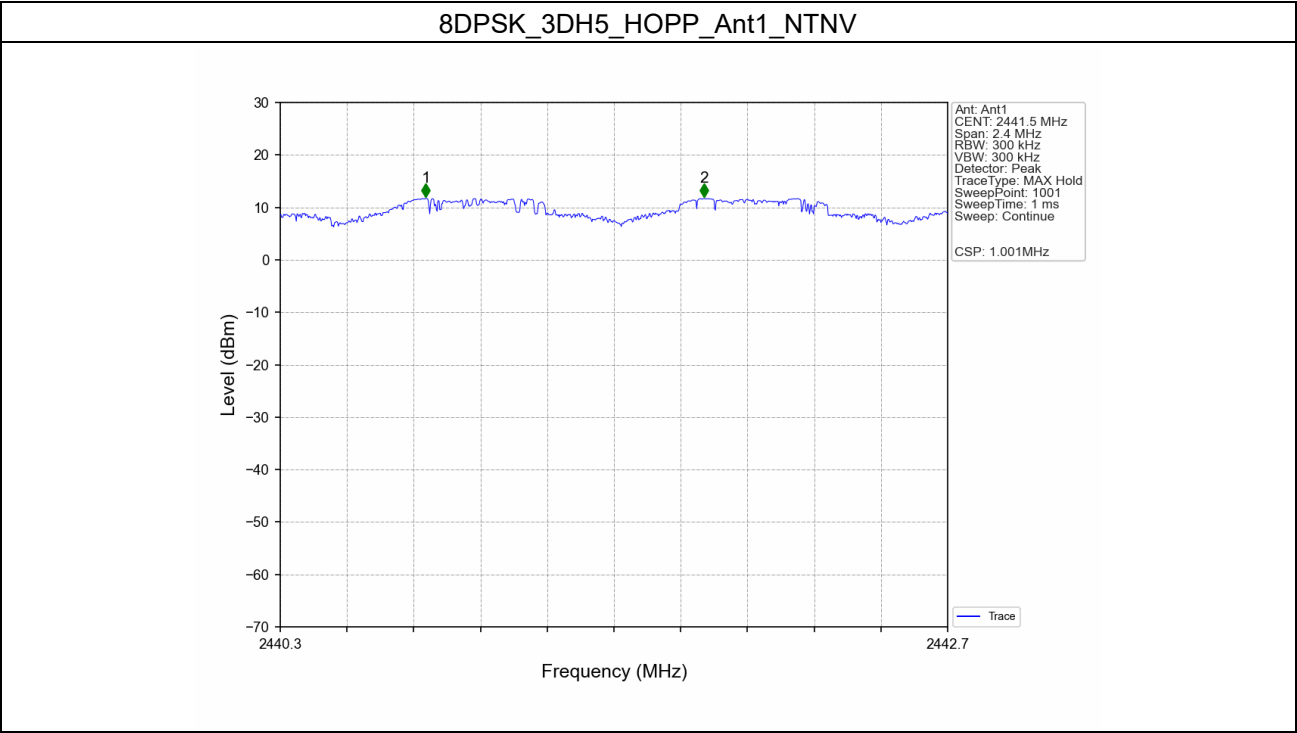
4.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.006	0.991	>=0.991	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.001	1.285	>=0.857	Pass
8DPSK	SISO	HOPP	3DH5	1.001	1.265	>=0.843	Pass

4.2 Test Graph

4.2.1 Ant1





5. Number of Hopping Frequencies

5.1 Test Result

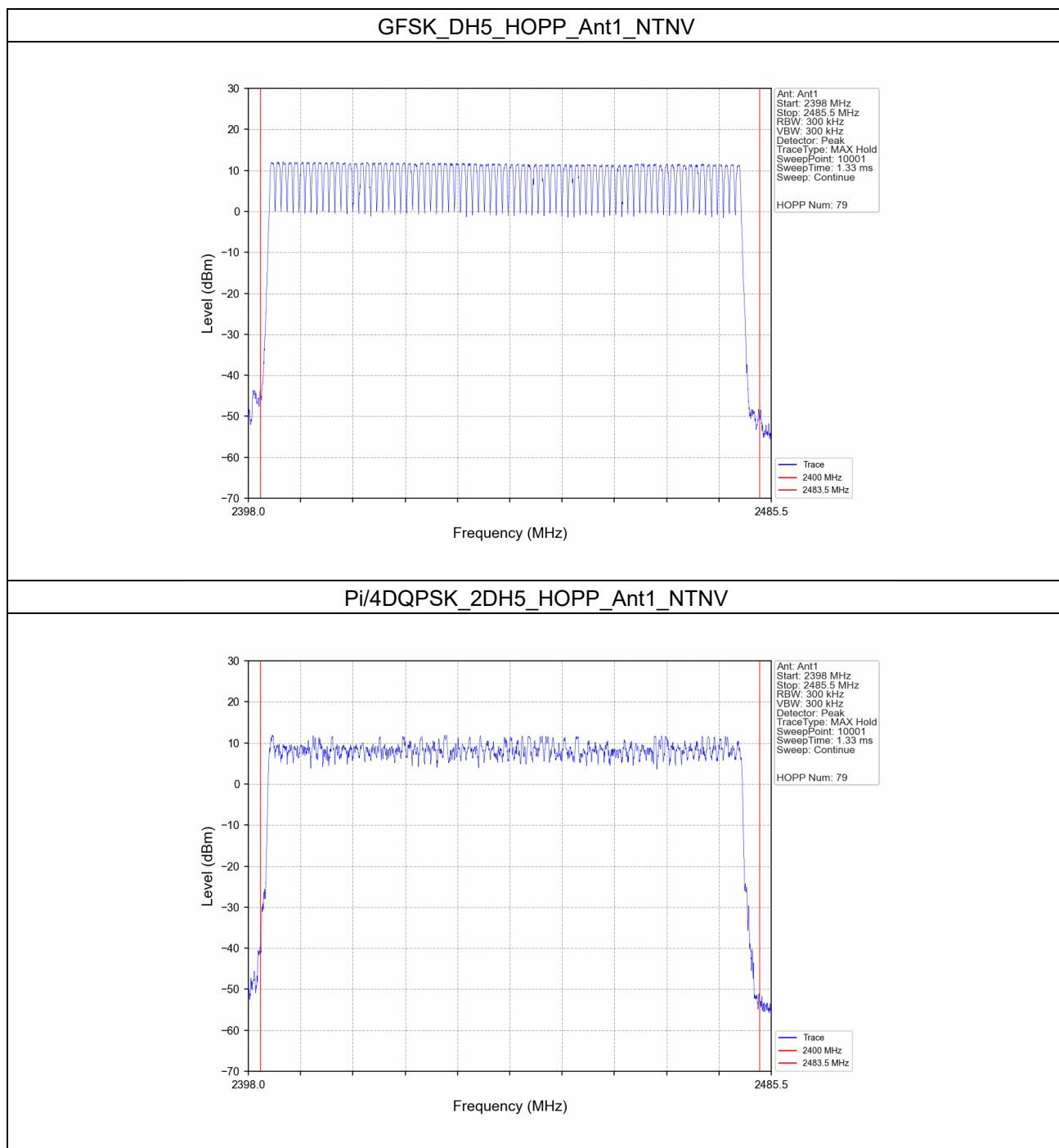
5.1.1 HoppNum

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	≥ 15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	≥ 15	Pass
8DPSK	SISO	HOPP	3DH5	79	≥ 15	Pass

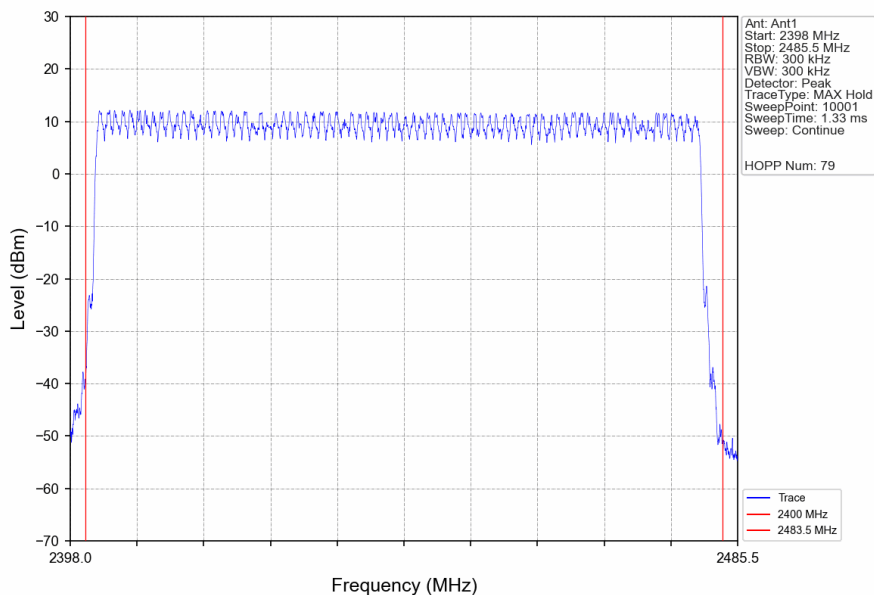


5.2 Test Graph

5.2.1 HoppNum



8DPSK_3DH5_HOPP_Ant1_NTNV



6. Time of Occupancy (Dwell Time)

6.1 Test Result

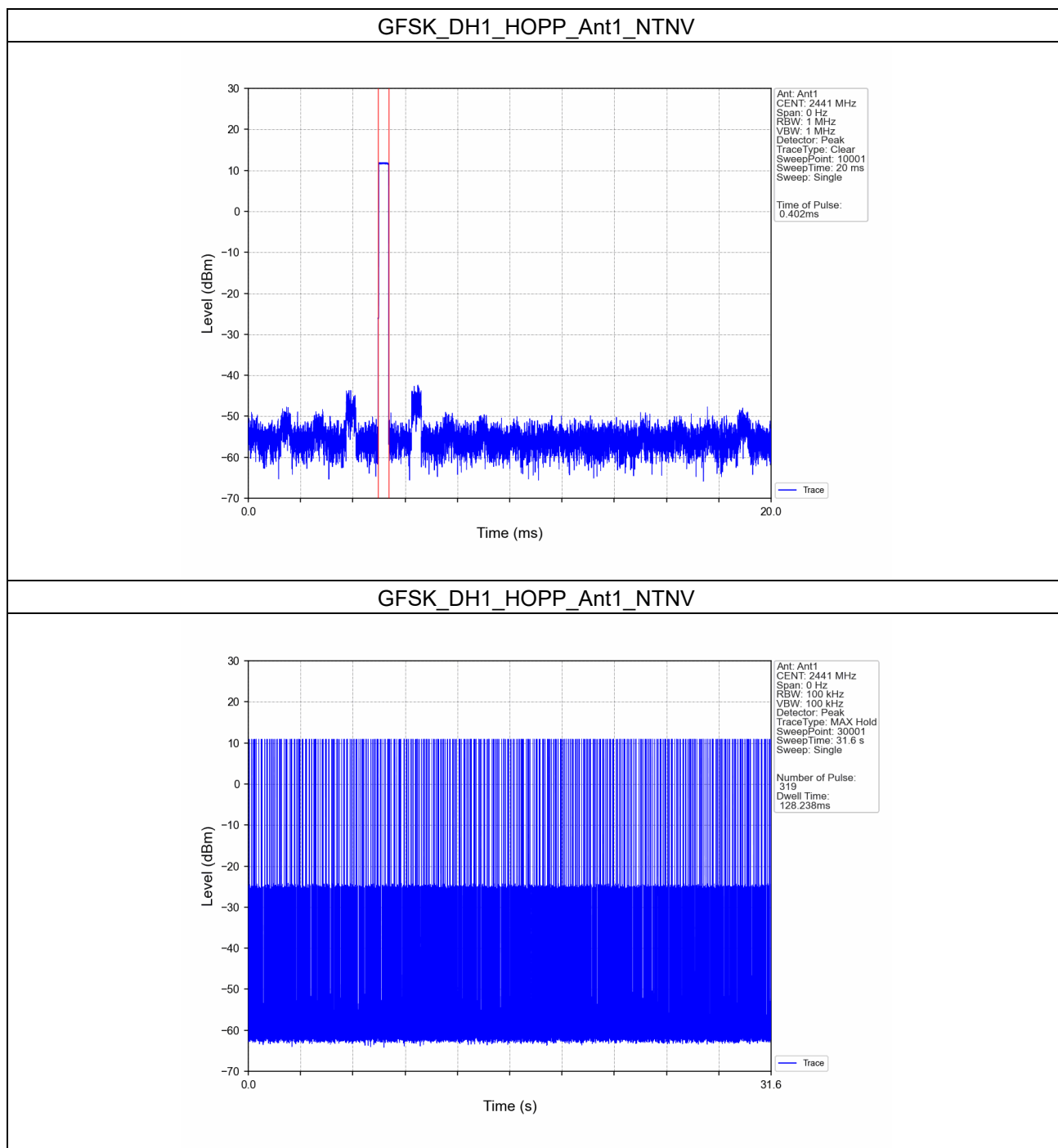
6.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.402	31.600	319	128.238	<=400	Pass
			DH3	1.650	31.600	160	264.000	<=400	Pass
			DH5	2.898	31.600	107	310.086	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.410	31.600	319	130.790	<=400	Pass
			2DH3	1.662	31.600	160	265.920	<=400	Pass
			2DH5	2.910	31.600	106	308.460	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.408	31.600	318	129.744	<=400	Pass
			3DH3	1.660	31.600	160	265.600	<=400	Pass
			3DH5	2.910	31.600	106	308.460	<=400	Pass

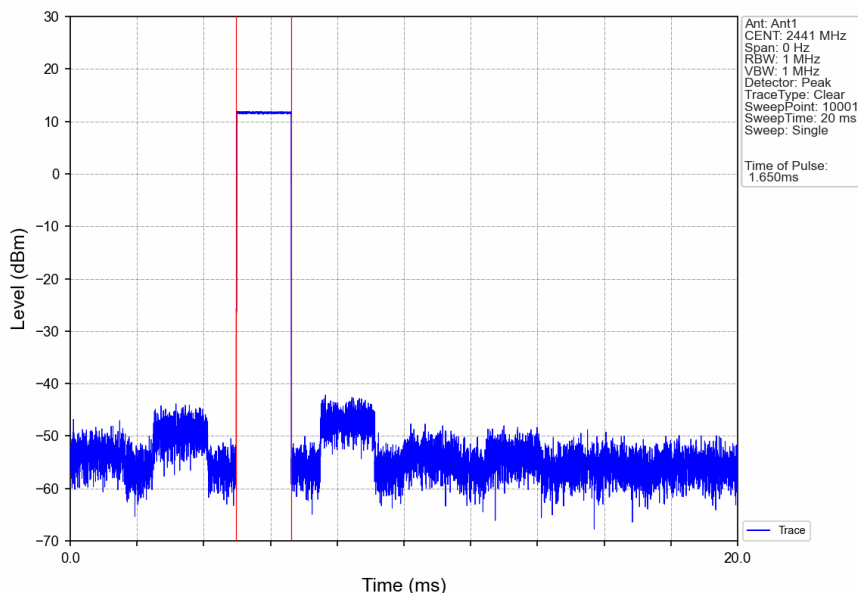


6.2 Test Graph

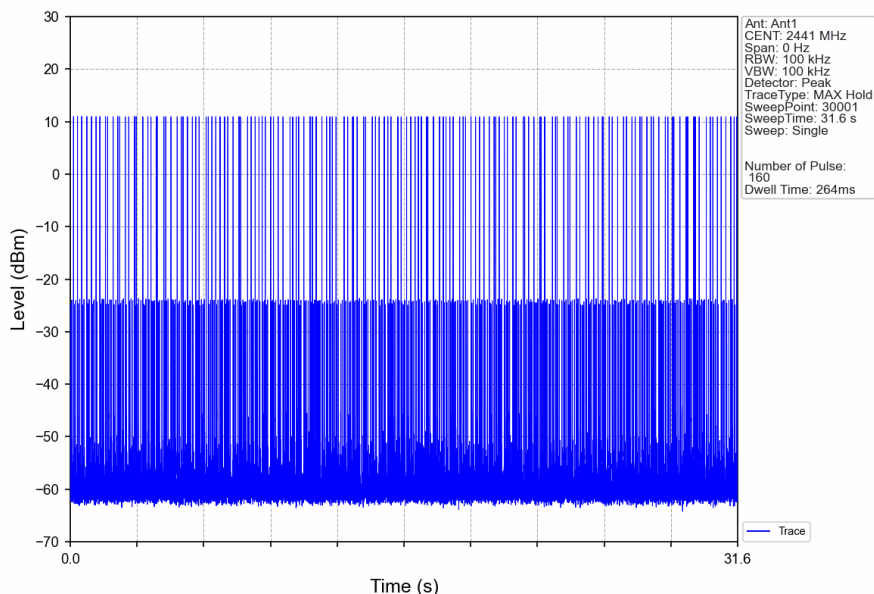
6.2.1 Ant1



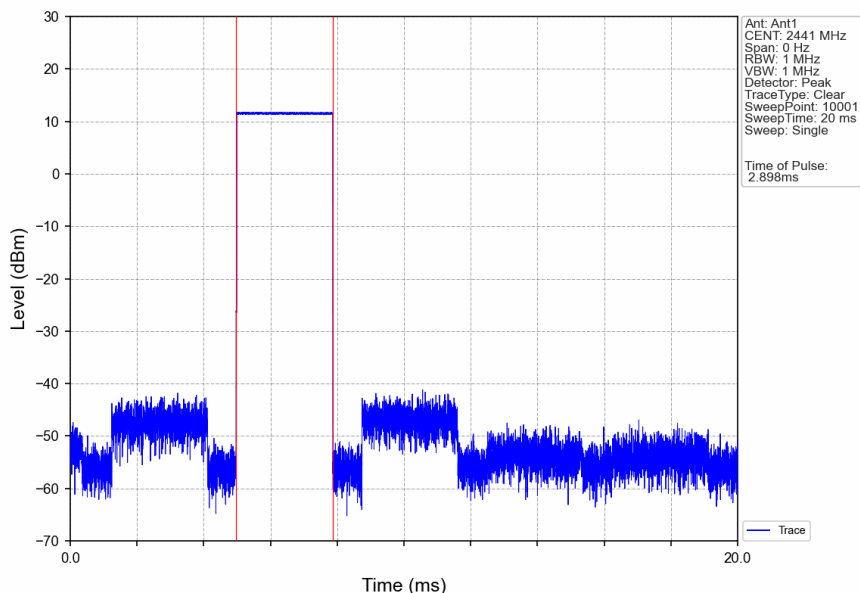
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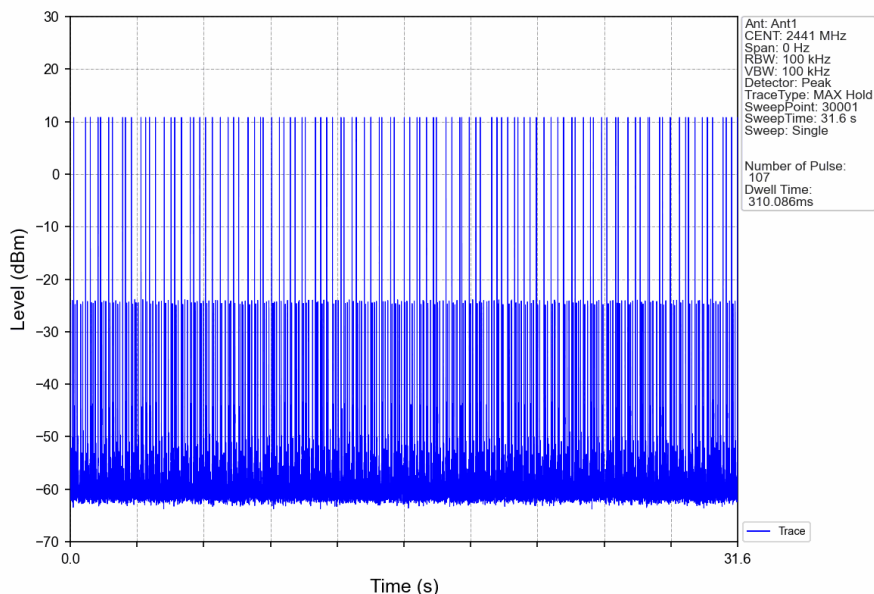
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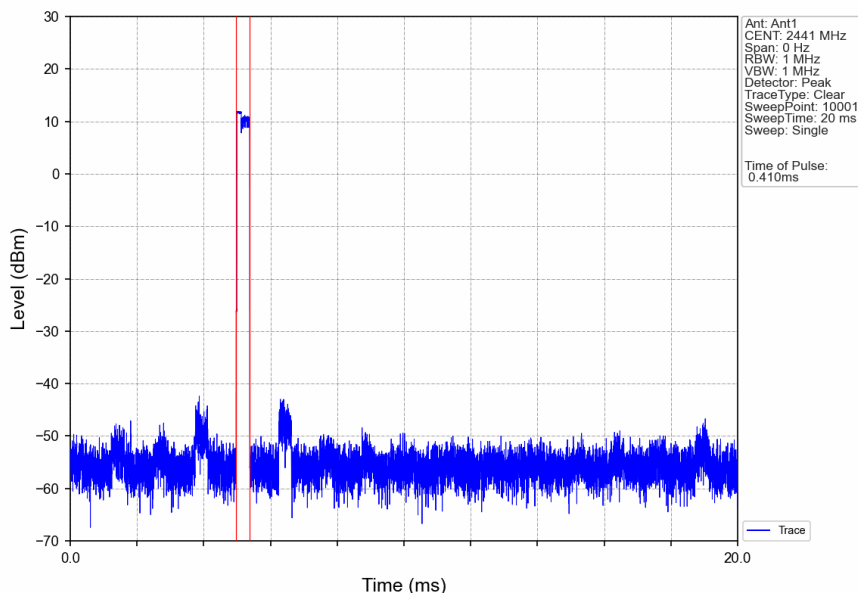
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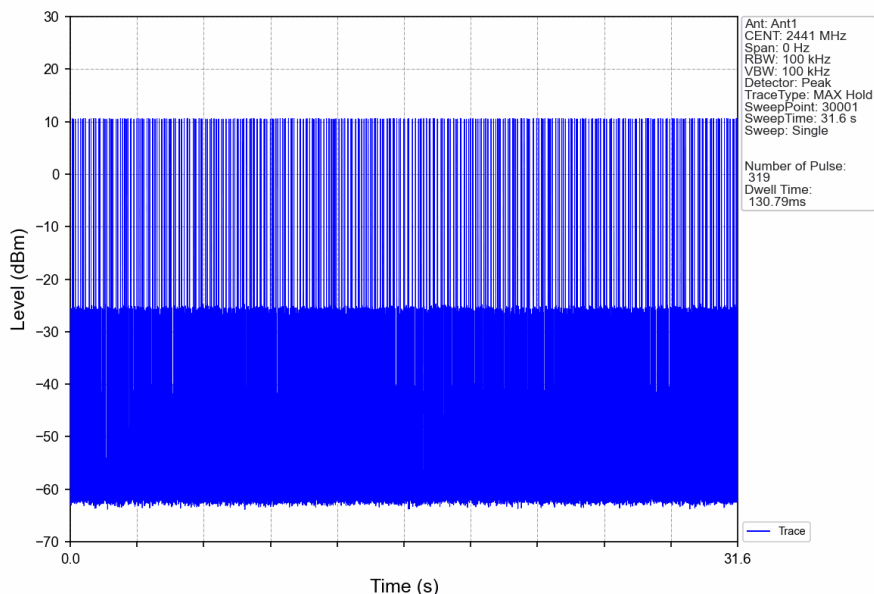
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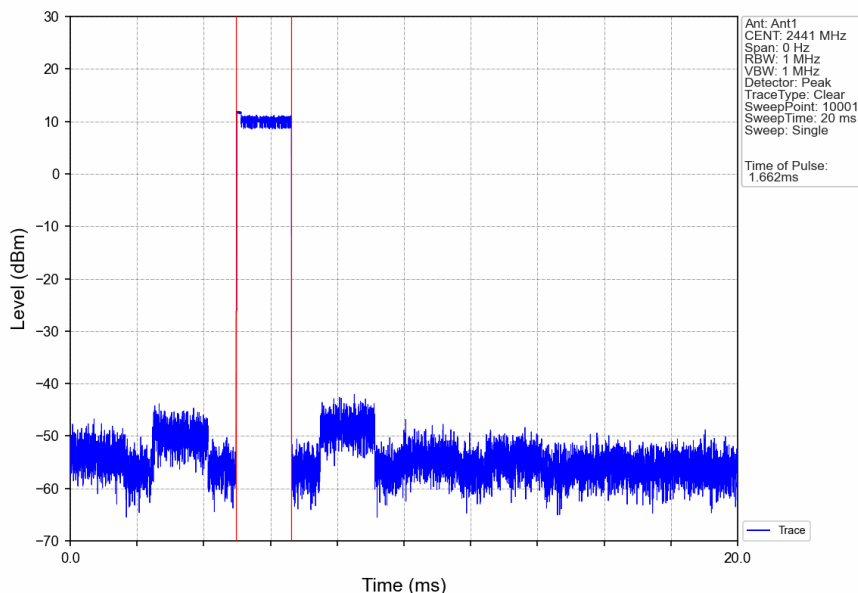
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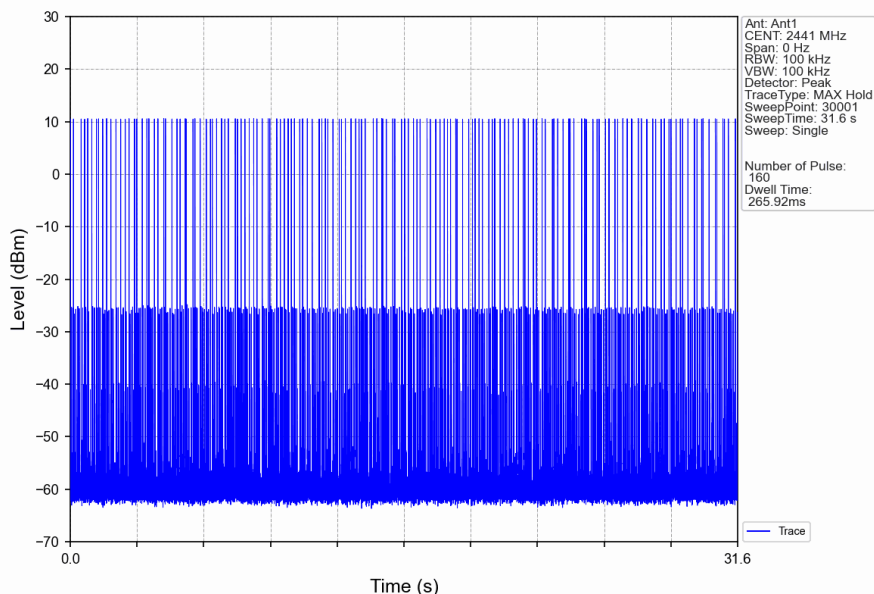
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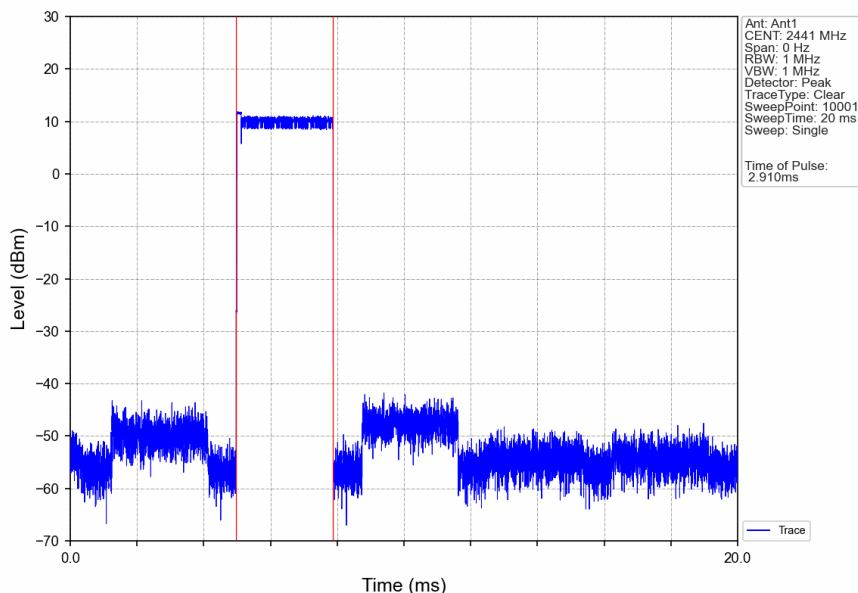
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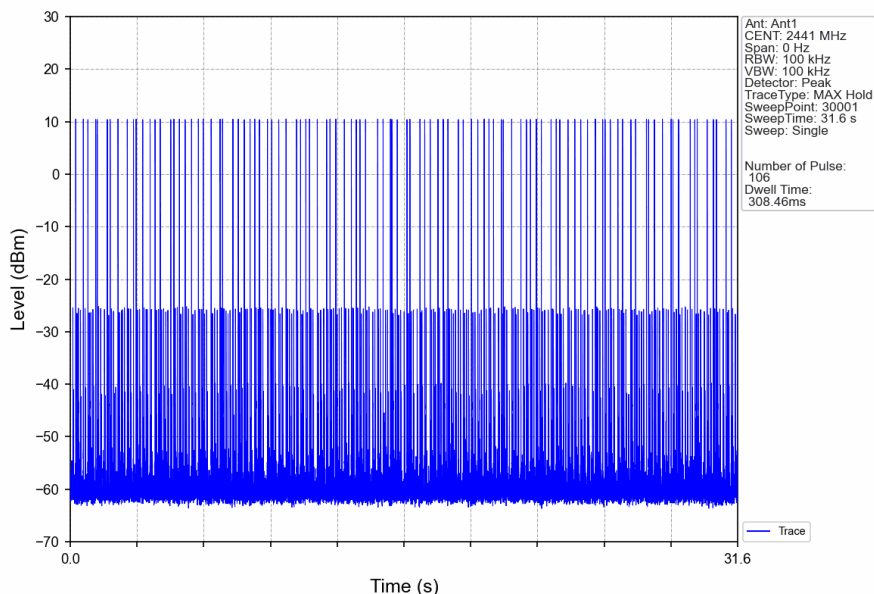
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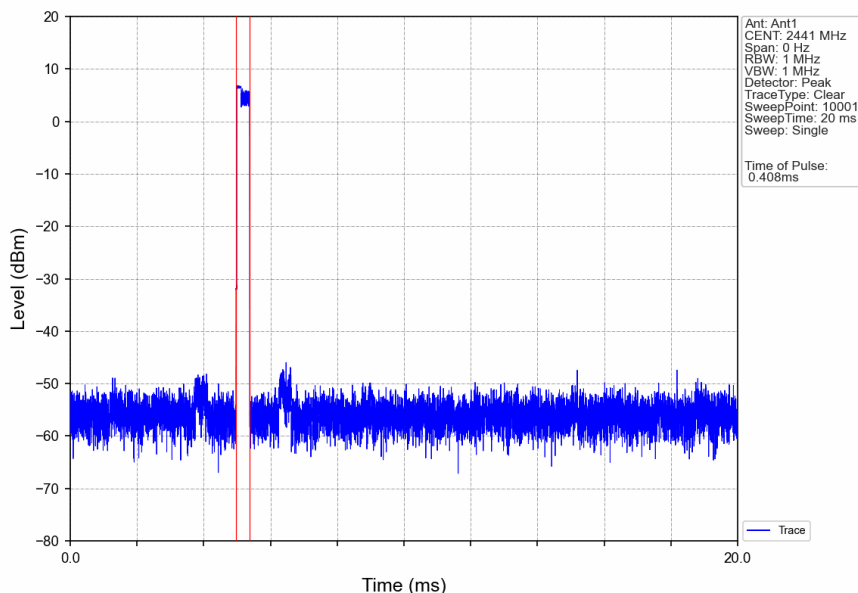
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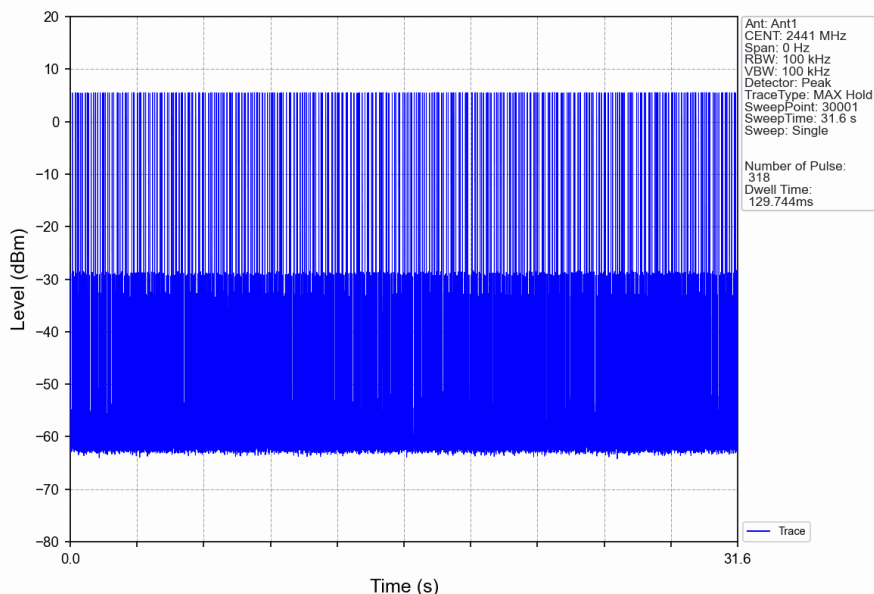
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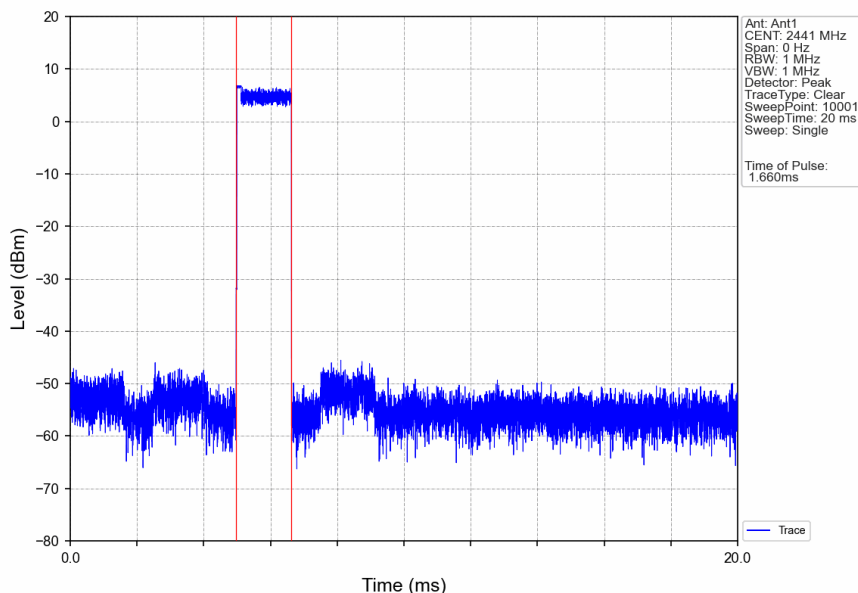
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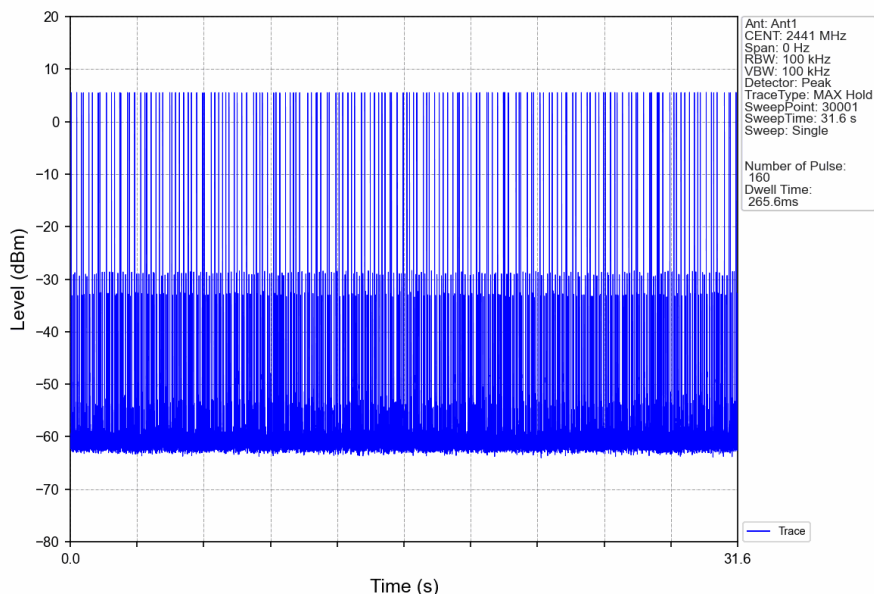
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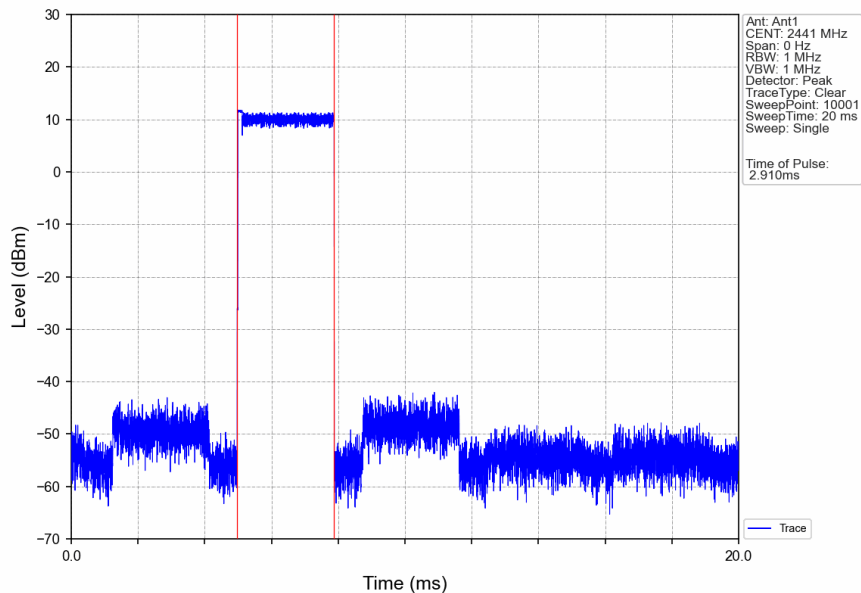
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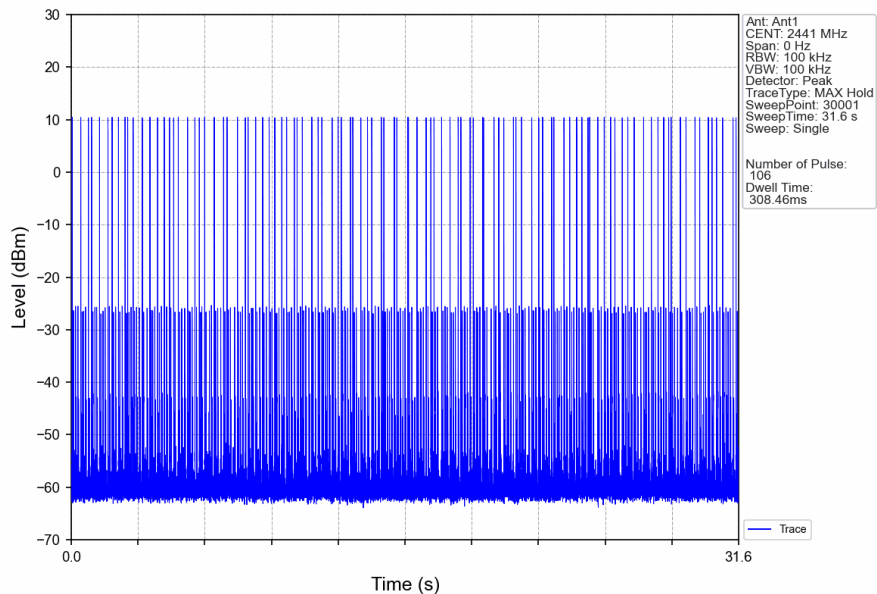
8DPSK_3DH3_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



7. Unwanted Emissions In Non-restricted Frequency Bands

7.1 Test Result

7.1.1 Ref

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	12.19
		2441	DH5	1	11.71
		2480	DH5	1	11.49
Pi/4DQPSK	SISO	2402	2DH5	1	11.93
		2441	2DH5	1	11.47
		2480	2DH5	1	11.25
8DPSK	SISO	2402	3DH5	1	12.09
		2441	3DH5	1	11.65
		2480	3DH5	1	11.47

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100527701

Amendment 01

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7.1.2 CSE

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	12.19	-7.81	Pass
		2441	DH5	1	12.19	-7.81	Pass
		2480	DH5	1	12.19	-7.81	Pass
		HOPP	DH5	1	12.19	-7.81	Pass
					12.19	-7.81	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	11.93	-8.07	Pass
		2441	2DH5	1	11.93	-8.07	Pass
		2480	2DH5	1	11.93	-8.07	Pass
		HOPP	2DH5	1	11.93	-8.07	Pass
					11.93	-8.07	Pass
8DPSK	SISO	2402	3DH5	1	12.09	-7.91	Pass
		2441	3DH5	1	12.09	-7.91	Pass
		2480	3DH5	1	12.09	-7.91	Pass
		HOPP	3DH5	1	12.09	-7.91	Pass
					12.09	-7.91	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.



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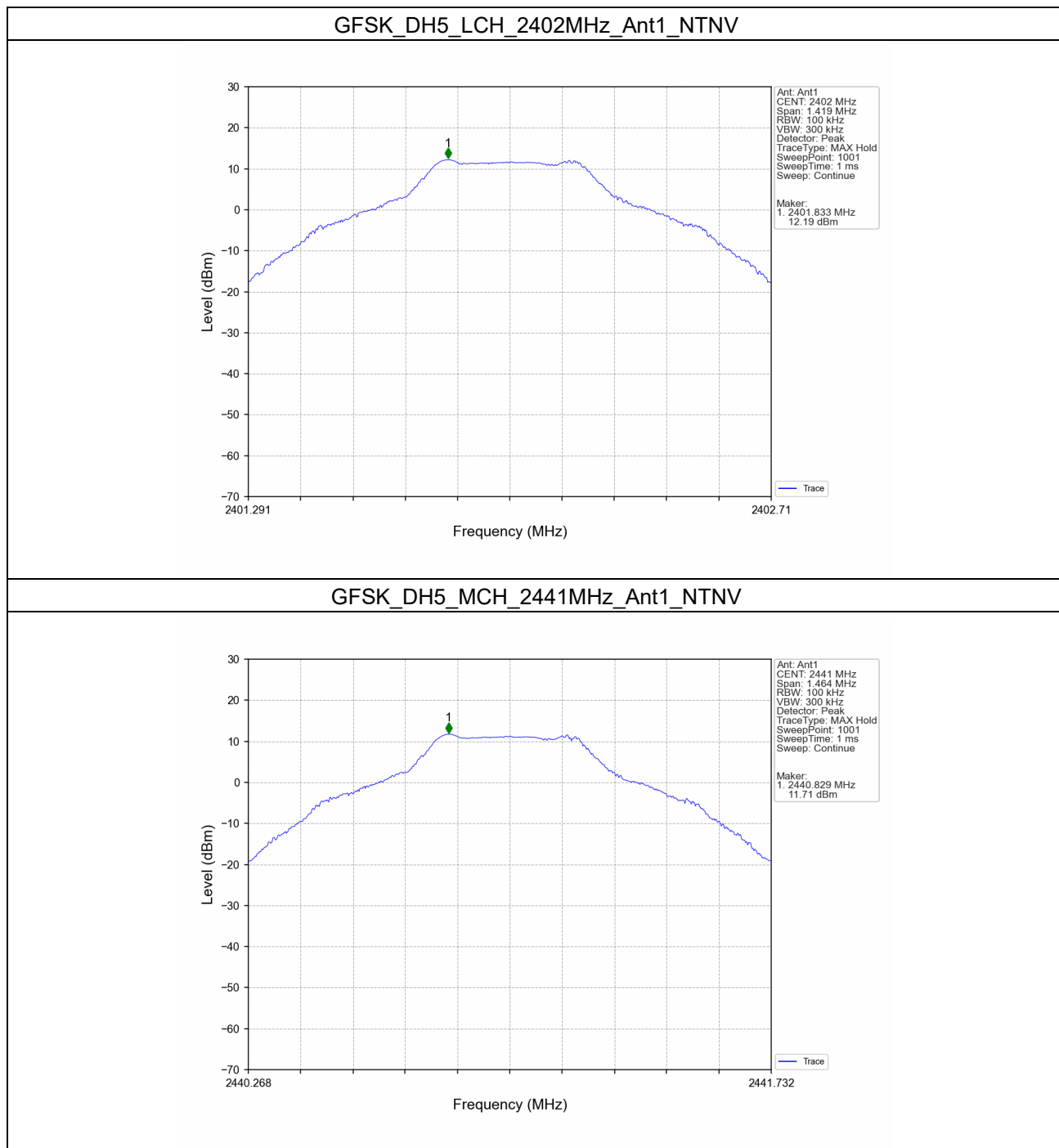
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Shenzhen Branch Testing & Calibration Laboratory

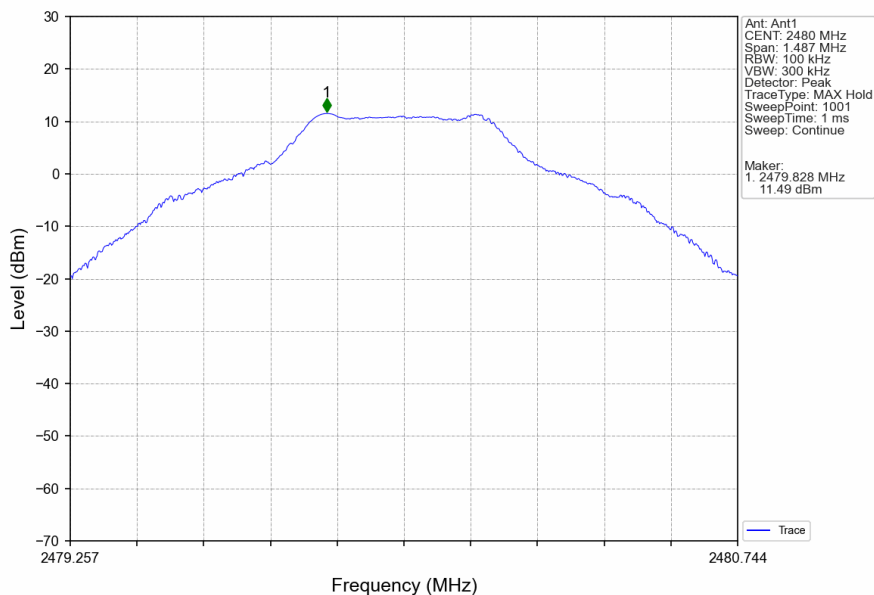
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7.2 Test Graph

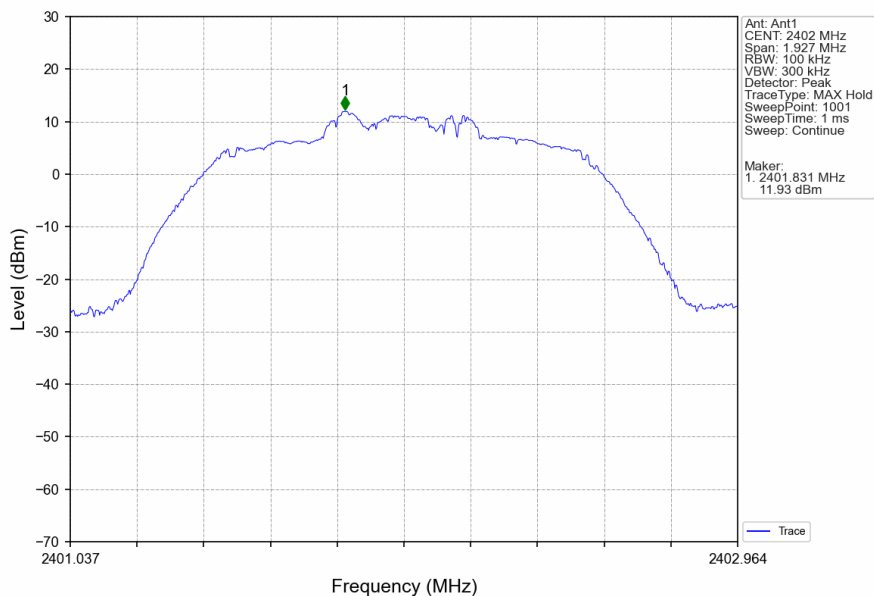
7.2.1 Ref



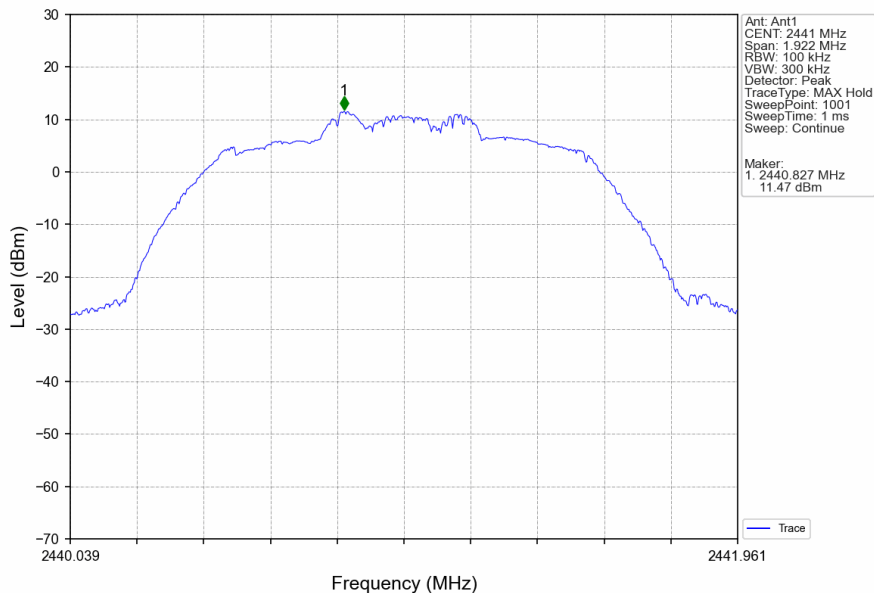
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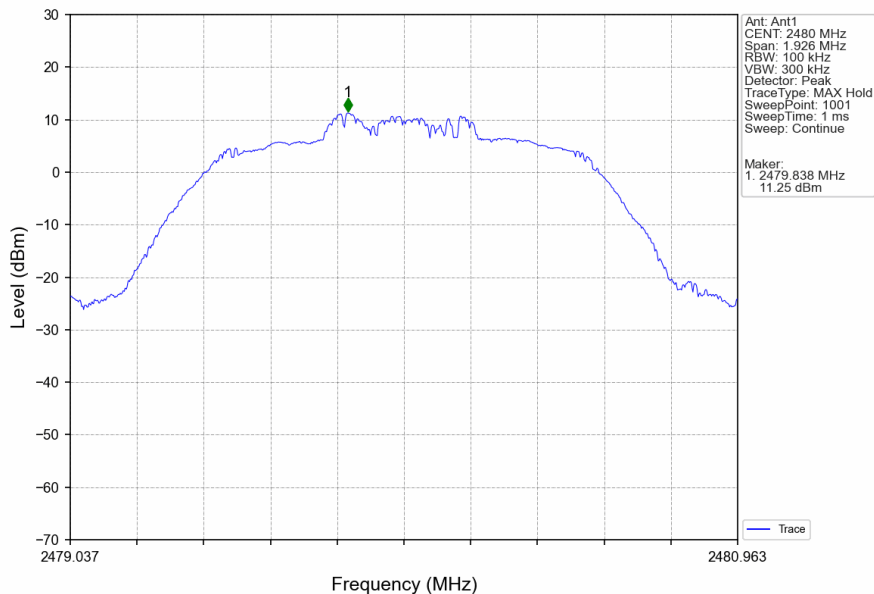
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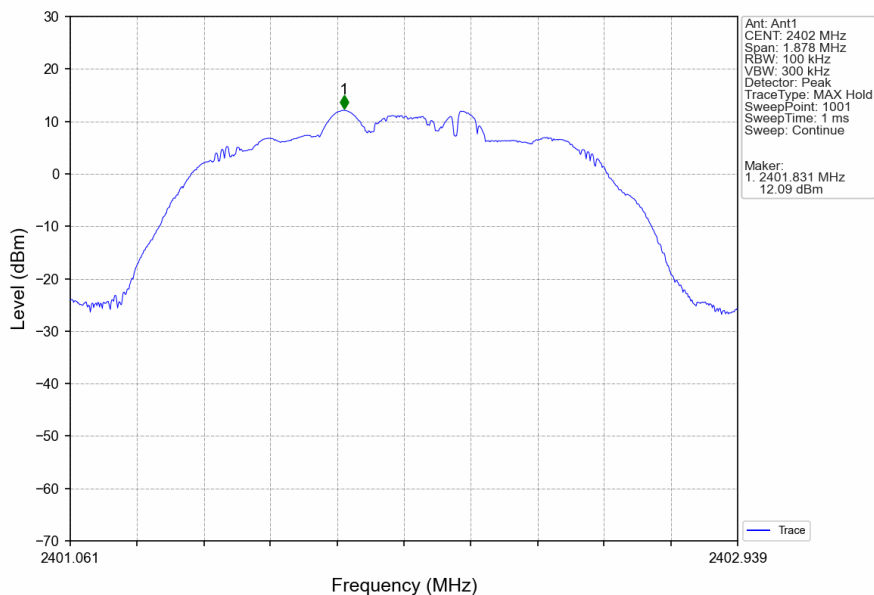
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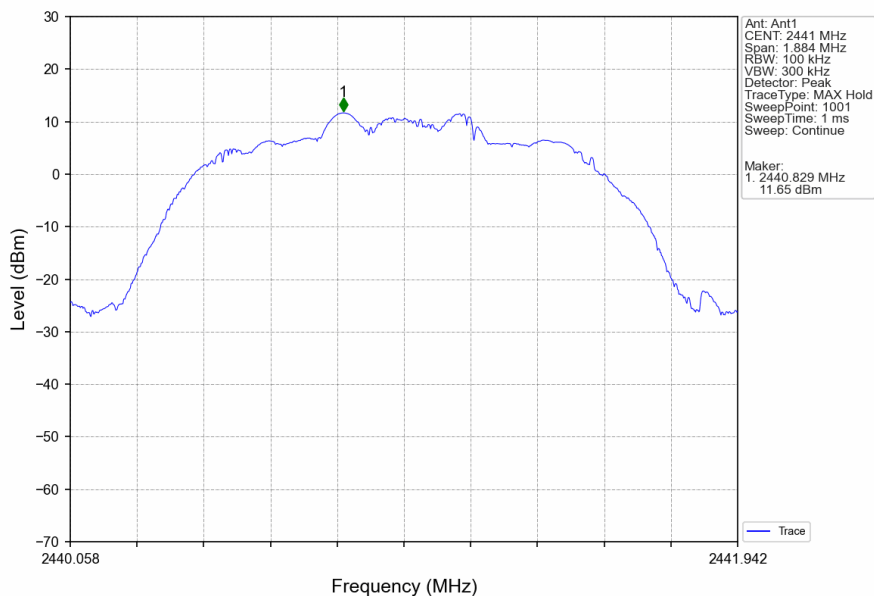
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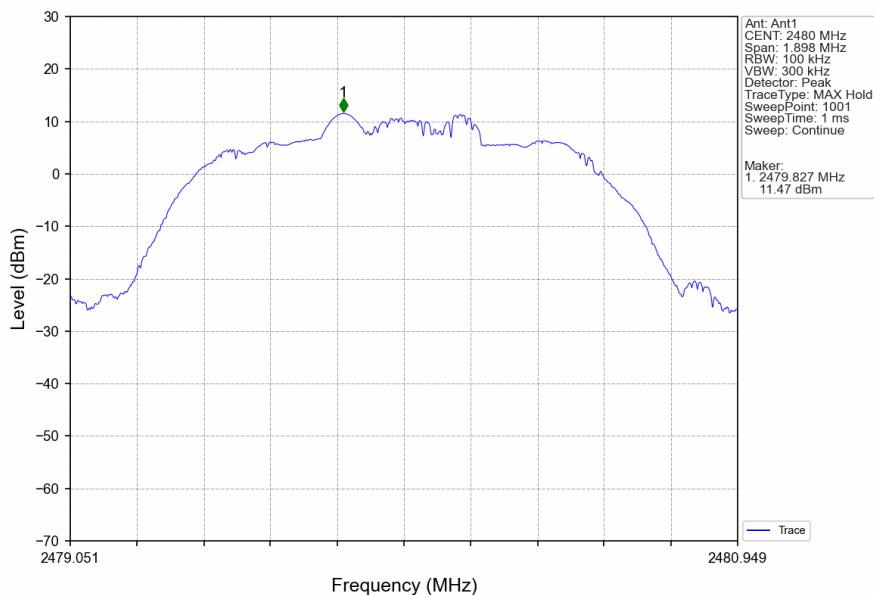
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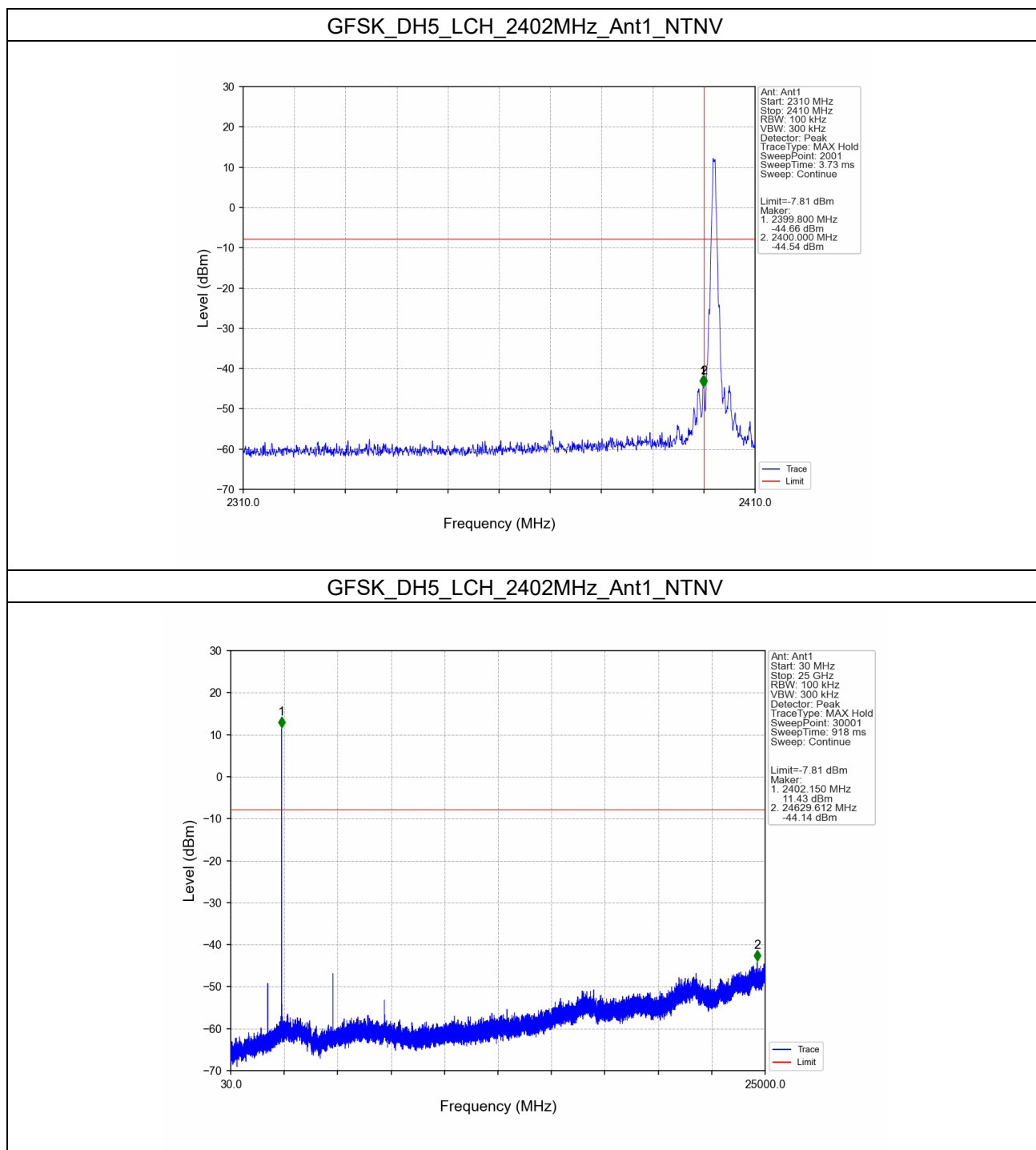
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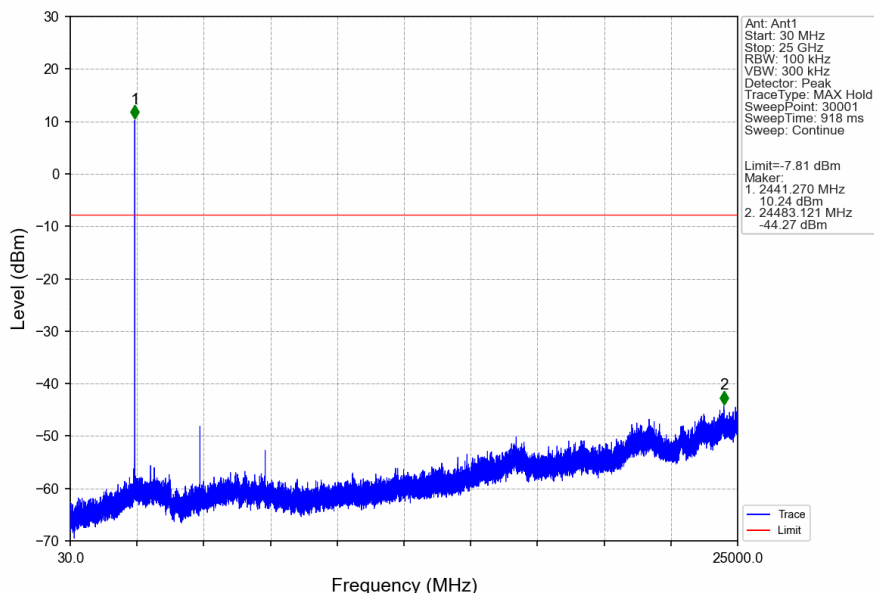
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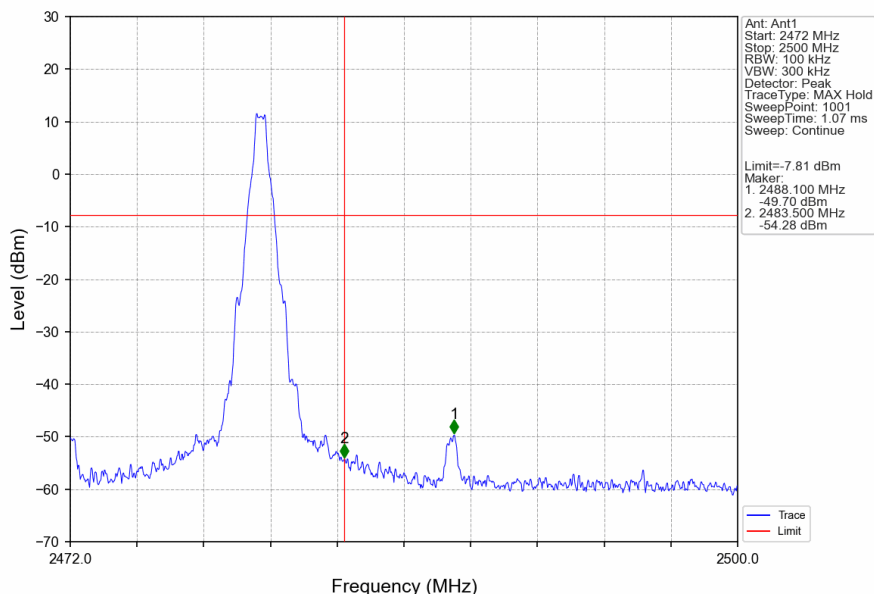
7.2.2 CSE



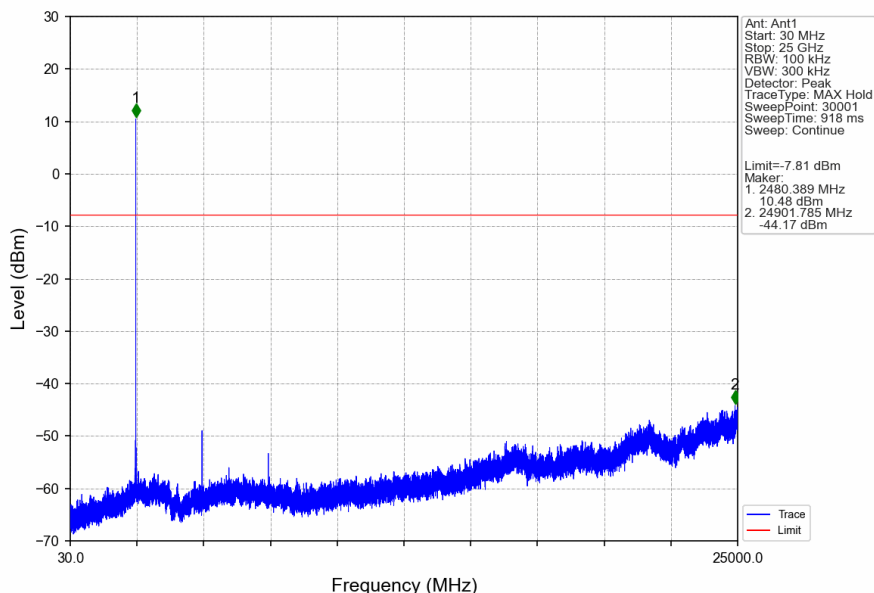
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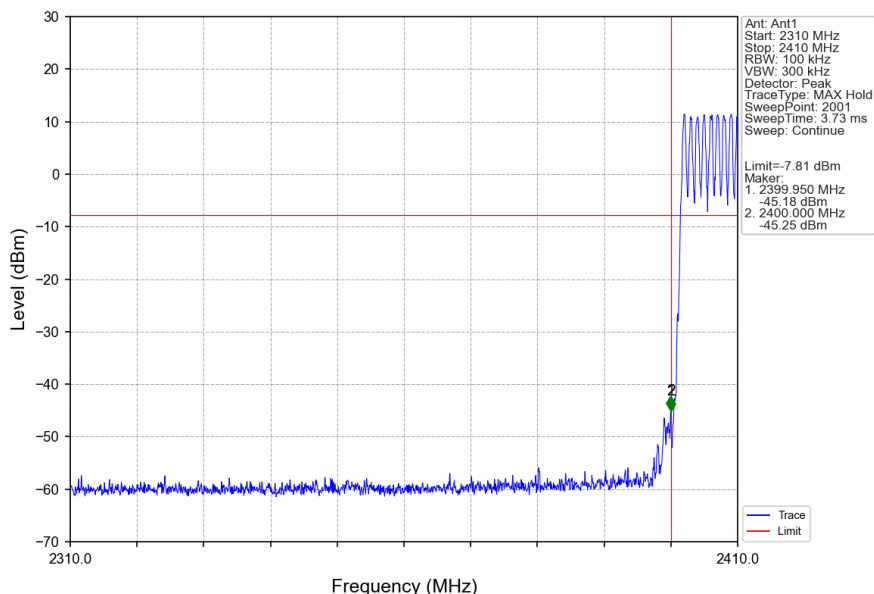
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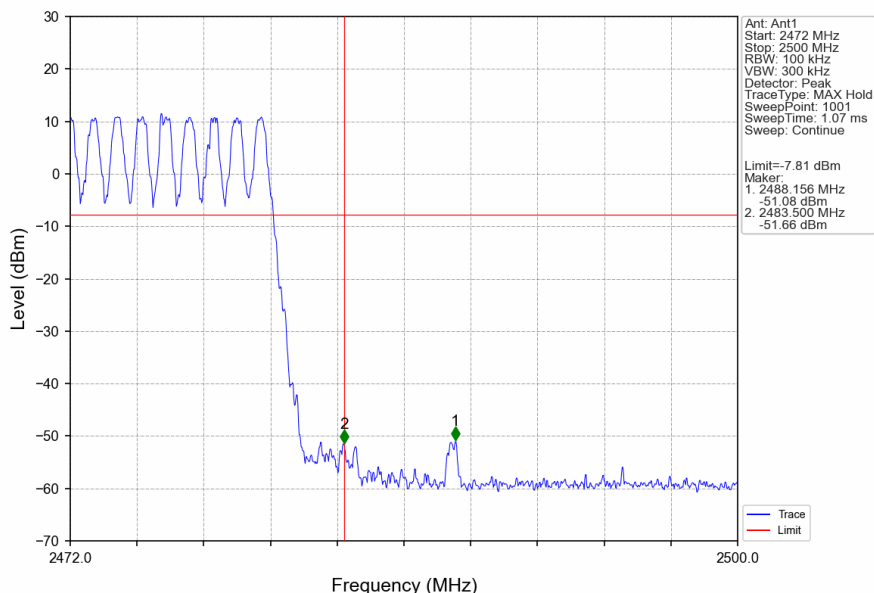
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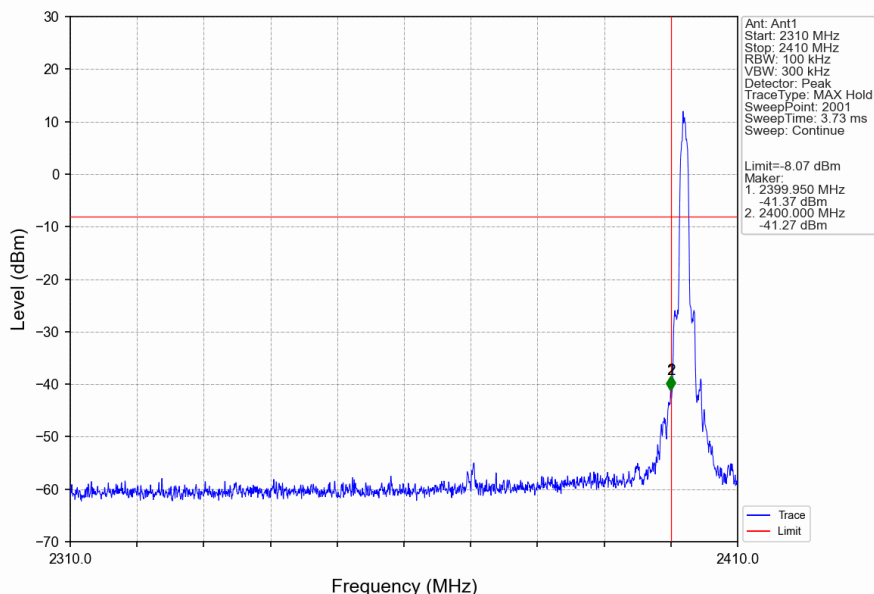
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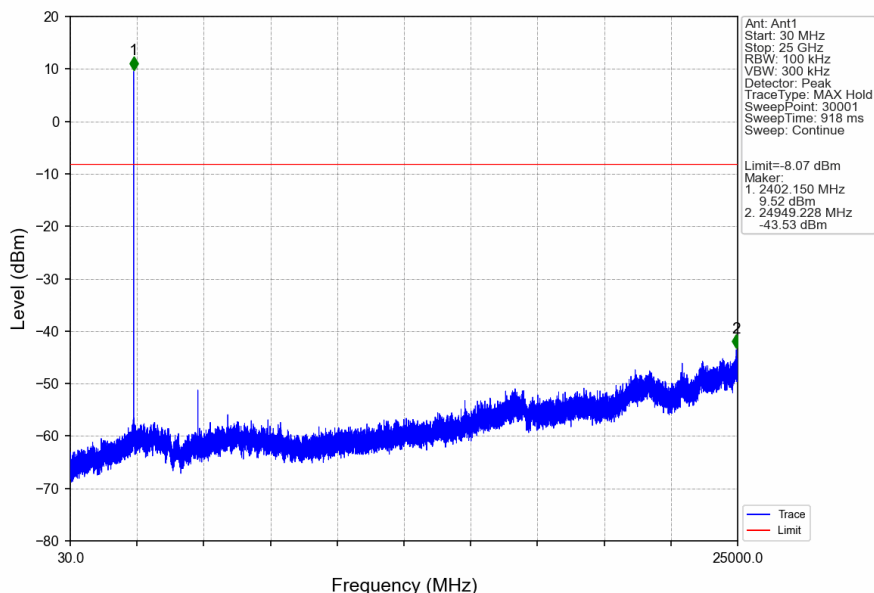
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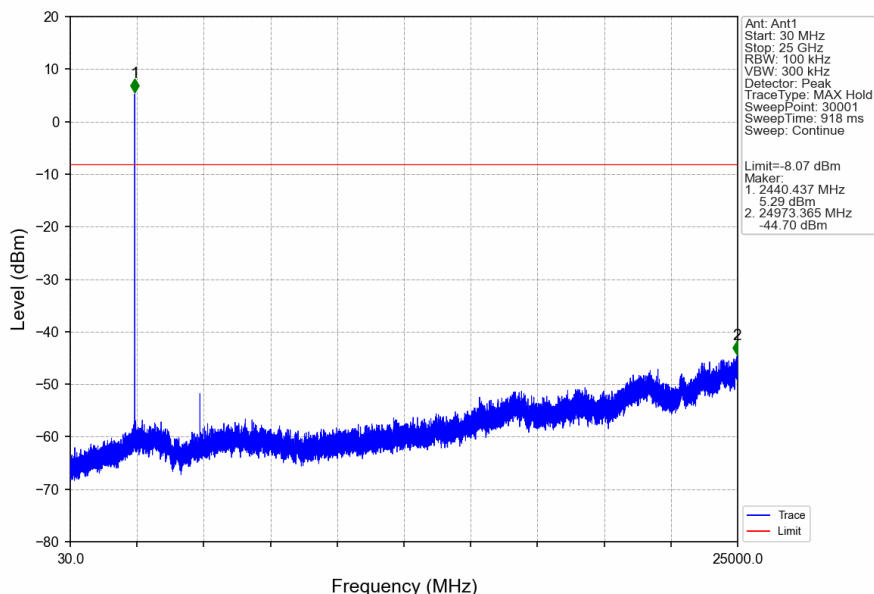
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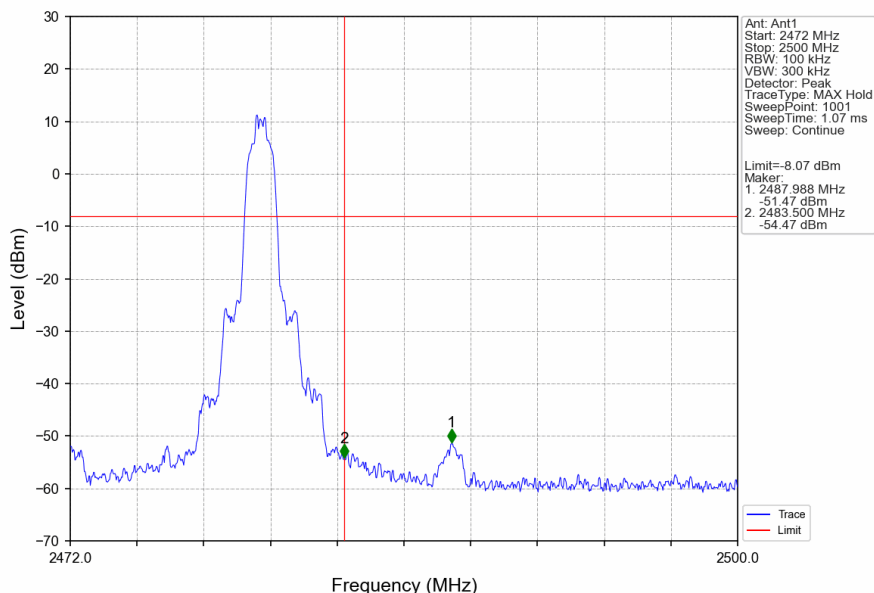
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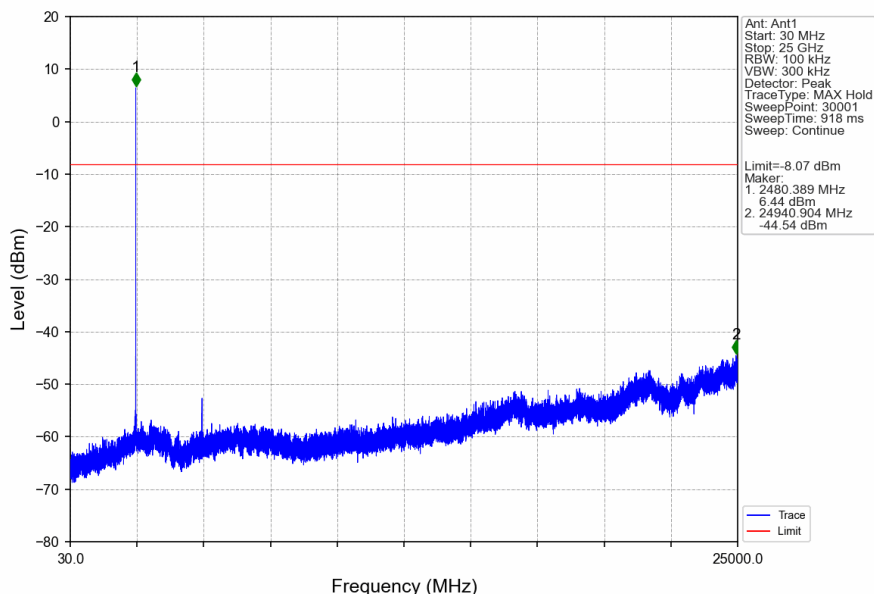
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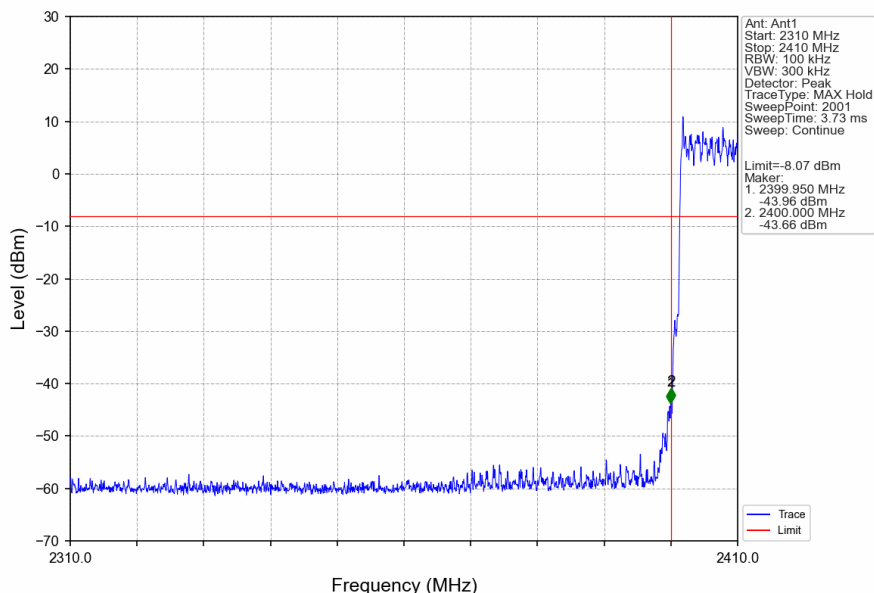
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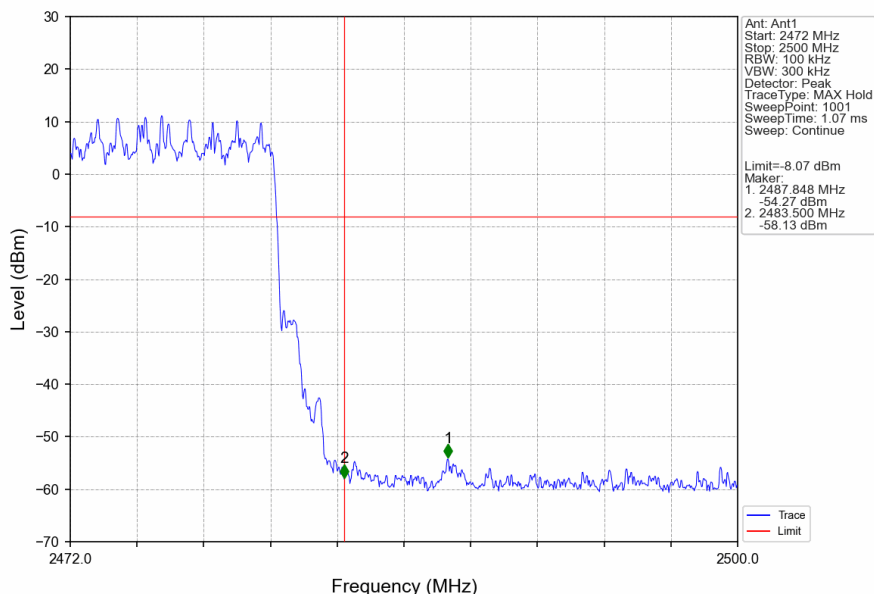
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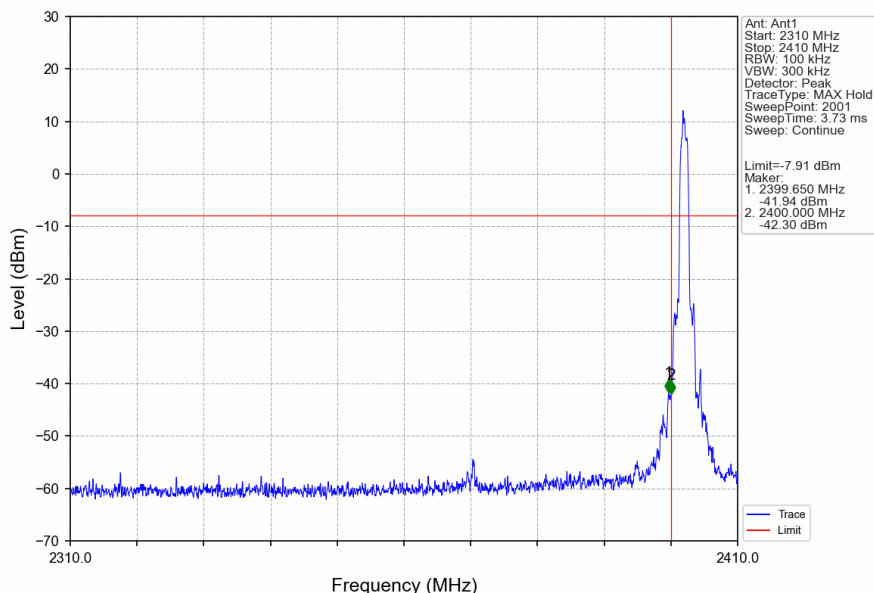
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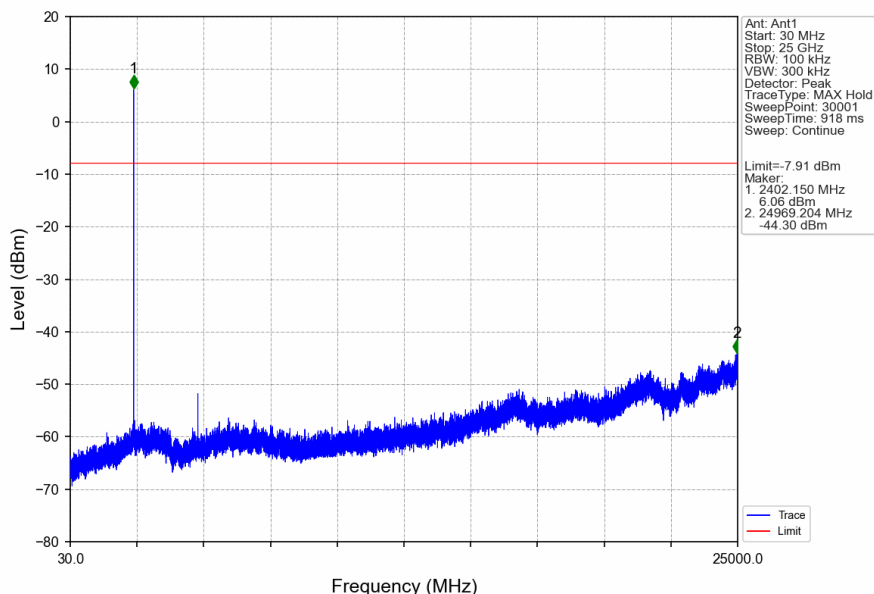
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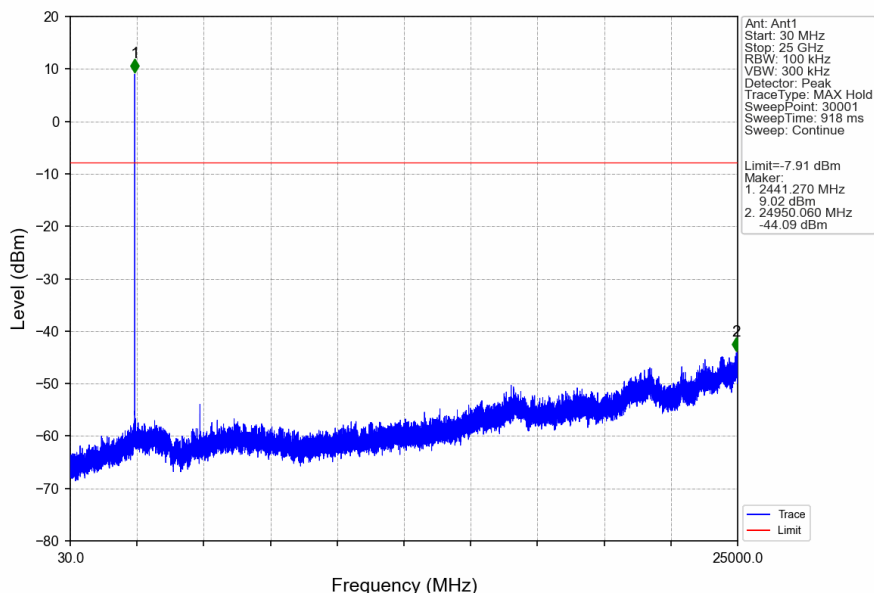
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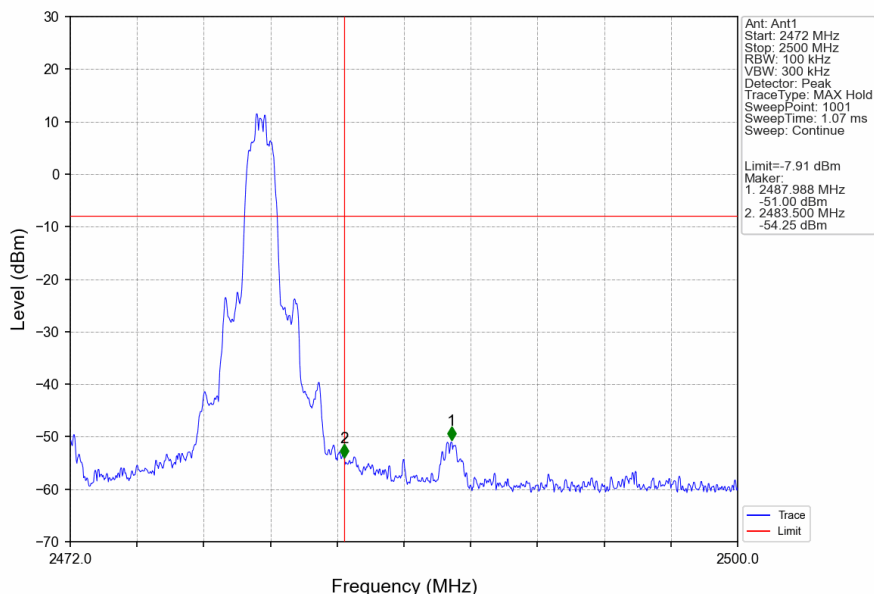
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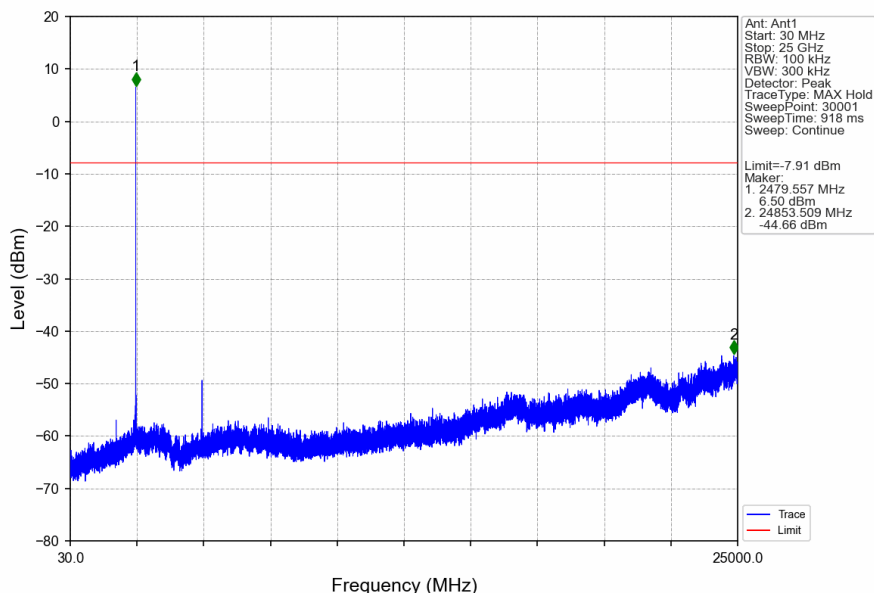
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8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV

