

TEST REPORT

Application No.: GZCR2210001389AT
Applicant: Dongguan Siyoto Electronics Co., Ltd.
Address of Applicant: No.10 North 7th street, Qiaodong road, Qiaotou town, Dongguan, Guangdong, China
Manufacturer: Dongguan Siyoto Electronics Co., Ltd.
Address of Manufacturer: No.10 North 7th street, Qiaodong road, Qiaotou town, Dongguan, Guangdong, China
Factory: Dongguan Siyoto Electronics Co., Ltd.
Address of Factory: No.10 North 7th street, Qiaodong road, Qiaotou town, Dongguan, Guangdong, China

Equipment Under Test (EUT):

EUT Name: WIRELESS STEREO HEADSET (for model HA-A20T)
WIRELESS HEADPHONES (for model HA-A7T2)

Model No.: HA-A7T2, HA-A20T ♣
♣ Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.

Trade Mark: JVC(For model: HA-A7T2)
Victor(For model: HA-A20T)

Standard(s) : MIC Item 19 of Article 2 Paragraph 1

Date of Receipt: 2022-11-02

Date of Test: 2022-11-09

Date of Issue: 2023-02-02

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



Ricky Liu
Manager

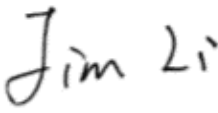


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Revision Record			
Version	Report No.	Date	Remark
01	GZCR221000138901	2023-02-02	Original

Authorized for issue by			
			
		<u>Jim Li/Project Engineer</u>	
			
		<u>Jerry Chan/Reviewer</u>	

2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	MIC Item 19 of Article 2 Paragraph 1	N/A	MIC Item 19 of Article 2 Paragraph 1	Pass
Interference prevention capability		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
RF accessibility		N/A	MIC Item 19 of Article 2 Paragraph 1	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Frequency Error	MIC Item 19 of Article 2 Paragraph 1	MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Occupied Bandwidth(99%)		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Spread spectrum Bandwidth(90%)		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Antenna Power		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Dwell time		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Spurious emission Intensity		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Limit of secondary radiated emissions		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

♣ Declaration of EUT Family Grouping:

Model No.: HA-A7T2, HA-A20T

According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for all models, with only difference on appearance decoration, color and model number and trade mark.

Model No.:	Trade Mark:	EUT Name
HA-A20T	Victor	WIRELESS STEREO HEADSET
HA-A7T2	JVC	WIRELESS HEADPHONES

Therefore, only one model HA-A20T was tested in this report.

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4 General Information

4.1 Details of E.U.T.

Power supply: DC 3.7V powered by built-in battery as below for normal working:
Li-ion VDL 1033S1
Rated: DC 3.7V, 40mAh.
DC 5 V for charging.

Cable(s): For earphone:
DC input ports.
For charger:
DC output port.
USB to Type-C charging port with unshielded cable(0.25m)

Operation Frequency: 2402MHz to 2480MHz
Modulation Type: GFSK, p/4DQPSK, 8DPSK
Channel Spacing: 1MHz
Number of Channels: 79
Antenna Type: FPC Antenna
Antenna Gain: -3.45 dBi declared by applicant for left earbud.
Power Class: <10mW
Test software: FCC_assist_1.0.2.2
Remark: This report is for left earbud.

4.2 Environment Parameter

Environment Parameter	Selected Values During Tests	
Relative Humidity	Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	25	DC 3.7 V
NTLV	25	DC 3.33 V
NTHV	25	DC 4.07 V
Note:		
NV:Normal Voltage	LV:Low Extreme Test Voltage	HV:High Extreme Test Voltage
NT:Normal Temperature	LT:Low Extreme Test Temperature	HT:High Extreme Test Temperature

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Note Book Computer	LENOVO	ThinkPad T490	PF1D1MVJ

4.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Frequency Error	$\pm 7.25 \text{ E-8}$
Occupied Bandwidth(99%)	$\pm 3\%$
Spread spectrum Bandwidth(90%)	$\pm 3\%$
Antenna Power	$\pm 0.75\text{dB}$
Dwell time	$\pm 0.37\%$
Spurious emission Intensity	$\pm 0.75\text{dB}$
Limit of secondary radiated emissions	$\pm 0.75\text{dB}$

4.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
198 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District,
Guangzhou, China 510663

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Fax: +86 20 82075059

No tests were sub-contracted.



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4.6 Test Facility

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

● ACMA

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

● SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

● FCC Recognized Accredited Test Firm(Registration No.: 486818)

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

● ISED (Registration No.: 4620B, CAB identifier: CN0052)

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

● VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

● CBTL (Lab Code: TL129)

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Frequency Error							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Calibration Authority	
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01	CEPREI	(c)
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2022-09-08	2023-09-07	CEPREI	(c)
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2022-08-24	2023-08-23	CEPREI	(c)
Test Software	TST	V2.0	GZE100-78	N/A	N/A	CEPREI	(c)

Occupied Bandwidth(99%)							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Calibration Authority	
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01	CEPREI	(c)
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2022-09-08	2023-09-07	CEPREI	(c)
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2022-08-24	2023-08-23	CEPREI	(c)
Test Software	TST	V2.0	GZE100-78	N/A	N/A	CEPREI	(c)

Spread spectrum Bandwidth(90%)							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Calibration Authority	
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01	CEPREI	(c)
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2022-09-08	2023-09-07	CEPREI	(c)
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2022-08-24	2023-08-23	CEPREI	(c)
Test Software	TST	V2.0	GZE100-78	N/A	N/A	CEPREI	(c)

Antenna Power							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Calibration Authority	
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01	CEPREI	(c)
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2022-09-08	2023-09-07	CEPREI	(c)
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2022-08-24	2023-08-23	CEPREI	(c)
Test Software	TST	V2.0	GZE100-78	N/A	N/A	CEPREI	(c)



Dwell time							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Calibration Authority	
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01	CEPREI	(c)
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2022-09-08	2023-09-07	CEPREI	(c)
4X4 Power sensor Unit	TST	TSPS2023 R	EMC2226	2022-08-24	2023-08-23	CEPREI	(c)
Test Software	TST	V2.0	GZE100-78	N/A	N/A	CEPREI	(c)

Spurious emission Intensity							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Calibration Authority	
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01	CEPREI	(c)
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2022-09-08	2023-09-07	CEPREI	(c)
4X4 Power sensor Unit	TST	TSPS2023 R	EMC2226	2022-08-24	2023-08-23	CEPREI	(c)
Test Software	TST	V2.0	GZE100-78	N/A	N/A	CEPREI	(c)

Limit of secondary radiated emissions							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	Calibration Authority	
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01	CEPREI	(c)
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2022-09-08	2023-09-07	CEPREI	(c)
4X4 Power sensor Unit	TST	TSPS2023 R	EMC2226	2022-08-24	2023-08-23	CEPREI	(c)
Test Software	TST	V2.0	GZE100-78	N/A	N/A	CEPREI	(c)

General used equipment							
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	Calibration Authority	
DMM	Fluke	73	EMC0006	2022-06-24	2023-06-23	CEPREI	(c)



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6 Radio Spectrum Technical Requirement

6.1 E.U.T. Test Conditions

Power supply:

INPUT: DC 3.7 V; the RF unit supplied by 3.7 V.

The measurement result of the voltage fluctuation at RF circuit when DC 3.7 V +/- 10%.

Mains input	Measured value	Voltage Deviation
DC 3.7 V	3.7 V	0 %
DC 3.33 V	3.32 V	-0.61 %
DC 4.07 V	4.06 V	-0.25 %

Temperature:

5.0 -35.0 °C

Humidity:

45-85 % RH

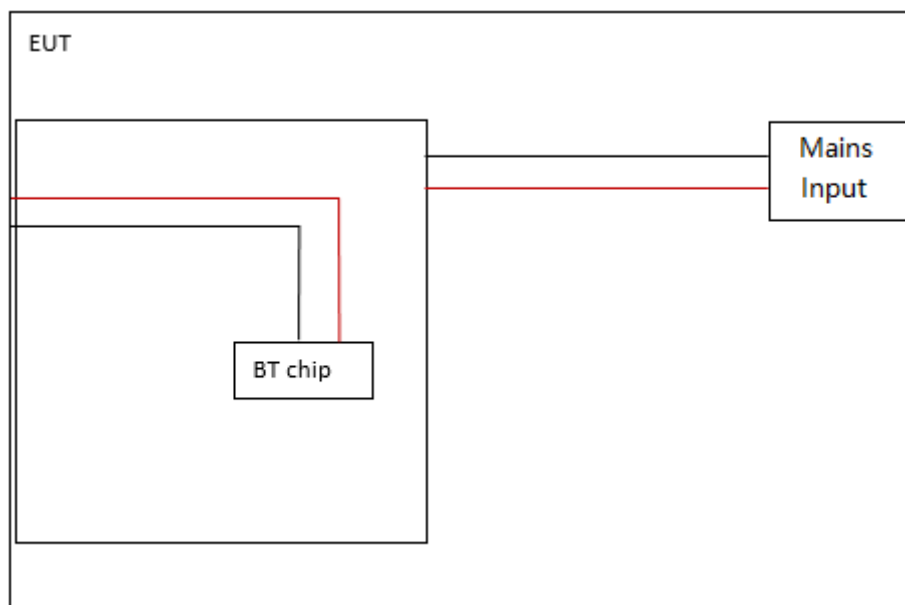
Atmospheric Pressure:

1000 -1010 mbar

Test frequencies:

If the EUT can be set to 3 of more different (carrier) frequencies in 1 allocated band, testing shall be performed using the Lowest, Middle and the Highest frequency (L, M and H). If there are 2 or fewer frequencies, testing shall be performed with the available frequencies.

6.1.1 Test Setup Diagram & test point



NTNV: Normal temperature normal voltage;

NTLV: Normal temperature low(normal -10%) voltage;

NTHV: Normal temperature high(normal +10%) voltage;

6.2 Antenna Requirement

6.2.1 Test Requirement:

MIC Item 19 of Article 2 Paragraph 1

6.2.2 Conclusion

Standard requirement:

Applicable for equipment with an antenna terminal, including testing terminals. If an antenna connector is available, all relevant tests will be carried out conducted. If not, tests will be carried out in an anechoic room or with a suitable test-fixture.

EUT Details:

The antenna is integrated on the main PCB and no consideration of replacement.

The best case gain of the antenna is -3.45 dBi for left earbud.



Result:

An antenna connector is available, all relevant tests will be carried out conducted.

6.3 Interference prevention capability

6.3.1 Test Requirement:

MIC Item 19 of Article 2 Paragraph 1

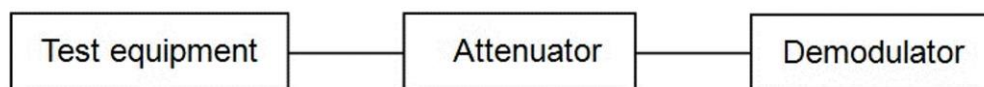
Limit:

Article 2, Item (19) Notice 88 Appendix 43, 44, 45

The EUT shall be support one of the following functions:

- Automatic identification transmission.
- Automatic identification reception.

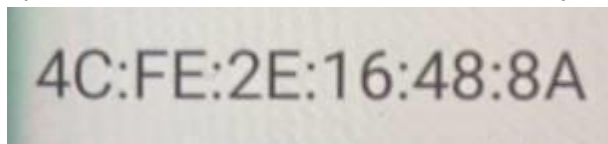
6.3.2 Test Setup Diagram



6.3.3 Conclusion

Standard Requirement:

- 1) Measurement system diagram as shown above and test equipment keep transmitting identification code.
- 2) Condition of measuring instrument
 - (1) Demodulator must be able to demodulate the transmitting signal emitted by test equipment and to indicate the identification code.
- 3) Condition of test equipment The mode of normal use.
- 4) Measuring operation procedure
 - (1) When test equipment has the function to transmit identification code automatically:
 - A) Transmit the predetermined identification code from test equipment.
 - B) Confirm the transmitted identification code by demodulator.



EUT Details:

The unit does meet the requirements (Good).

6.4 RF accessibility

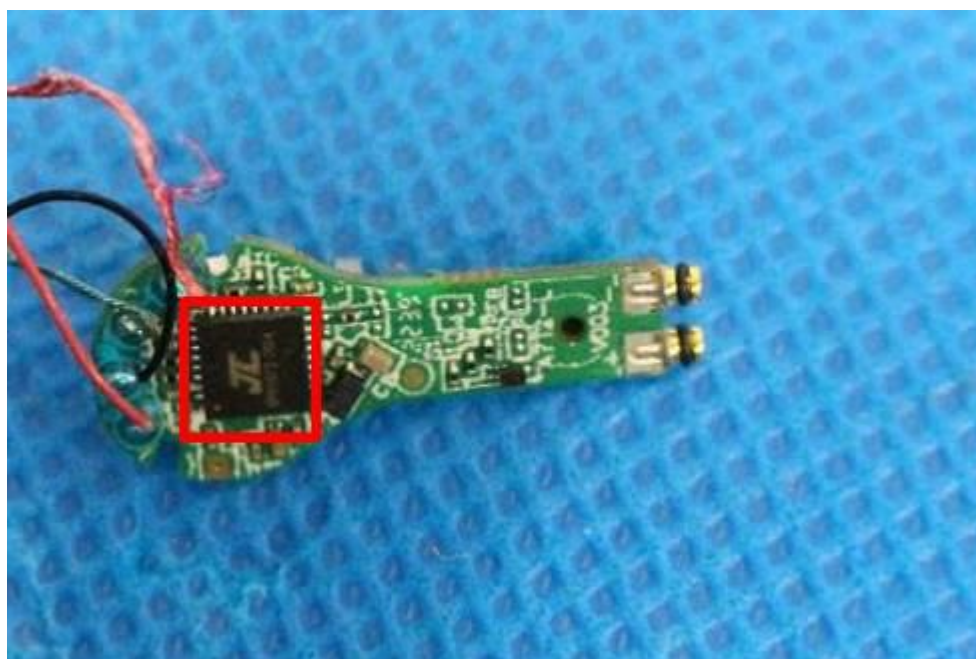
6.4.1 Test Requirement:

MIC Item 19 of Article 2 Paragraph 1

6.4.2 Conclusion

Standard 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.



EUT Details:

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.

7 Radio Spectrum Matter Test Results

7.1 Frequency Error

Test Requirement	MIC Item 19 of Article 2 Paragraph 1
Test Method:	MIC Notice No.88 Appendix No.43
Limit:	Tolerance of frequency: $\pm 50\text{E-6}$

7.1.1 E.U.T. Operation

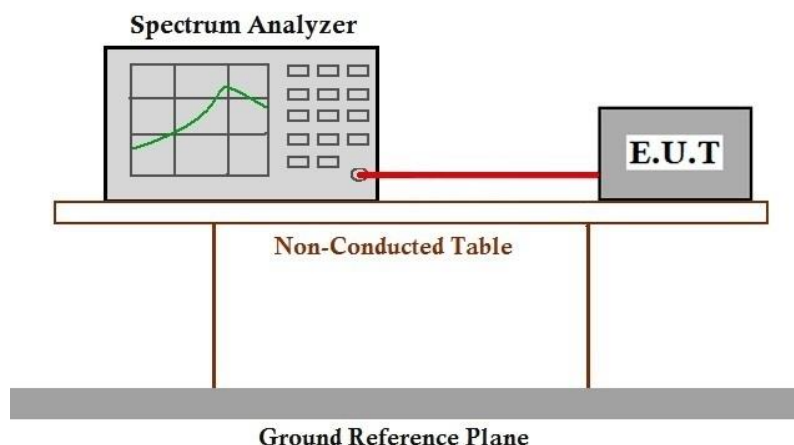
Operating Environment:

Temperature: 24.6 °C Humidity: 56.1 % RH Atmospheric Pressure: 1014 mbar

7.1.2 Test Mode Description

Pre-scan /	Mode	Description
Final test	Code	
Final test	00	TX mode_Keep the EUT in transmitting mode(For left earbud).

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping OFF, CW Tx

3. Spectrum Analyzer conditions:

Frequency: Test Frequency

Span 1MHz

RBW 10 kHz (Modulation OFF),

VBW 10 kHz (Modulation OFF),

Sweep Time Auto

Detector mode Positive peak

Indication mode Max hold

Alternative method:

Frequency: Test Frequency

Span 2 times channel bandwidth

RBW 100 kHz (Modulation ON),

VBW 100 kHz (Modulation ON),

Sweep Time Auto

Detector mode Positive peak

Indication mode Max hold

Please Refer to Appendix for Details



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7.2 Occupied Bandwidth(99%)

Test Requirement	MIC Item 19 of Article 2 Paragraph 1
Test Method:	MIC Notice No.88 Appendix No.43
Limit:	FH: 83.5MHz or less
	OFDM: 40MHz or less
	Others: 26MHz or less

7.2.1 E.U.T. Operation

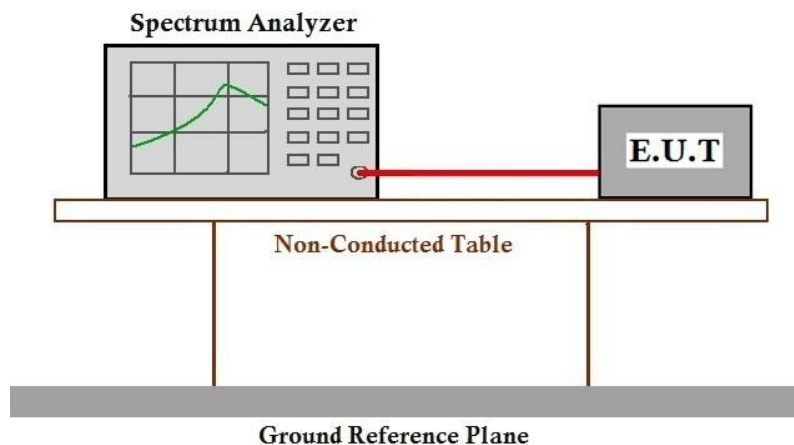
Operating Environment:

Temperature: 24.6 °C Humidity: 56.1 % RH Atmospheric Pressure: 1014 mbar

7.2.2 Test Mode Description

Pre-scan /	Mode	Description
Final test	Code	
Final test	00	TX mode_Keep the EUT in transmitting mode(For left earbud).

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping ON, Modulation Tx

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

3. Spectrum Analyzer conditions:

Frequency: Test Frequency

Span 83.5 MHz (FHSS); 40/60 MHz (OFDM; DSSS); 2-5 times OBW (Others)

RBW 1 MHz (FHSS); 300kHz (OFDM; DSSS); 3% OBW (Others)

VBW 1 MHz (FHSS); 300kHz (OFDM; DSSS); 3 times RBW (Others)

Sweep Time Auto

detector mode Positive peak

Indication mode Max hold

OBW 99%

Please Refer to Appendix for Details

7.3 Spread spectrum Bandwidth(90%)

Test Requirement	MIC Item 19 of Article 2 Paragraph 1
Test Method:	MIC Notice No.88 Appendix No.43
Limit:	DS, FH, FH+DS, FH+OFDM: 500kHz or more For DS system;(Spreading bandwidth) / (Frequency corresponding to transmission rate) >= 5

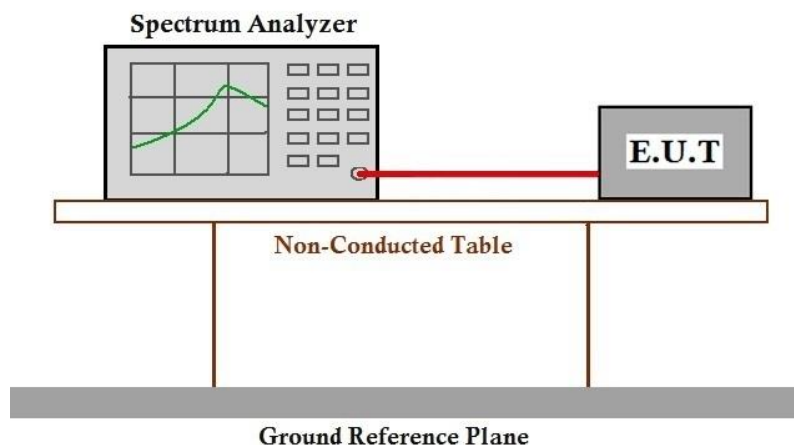
7.3.1 E.U.T. Operation

Operating Environment:	
Temperature:	24.6 °C
Humidity:	56.1 % RH
Atmospheric Pressure:	1014 mbar

7.3.2 Test Mode Description

Pre-scan / Mode	Description
Final test Code	
Final test 00	TX mode_Keep the EUT in transmitting mode(For left earbud).

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping ON, Modulation Tx

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

3. Spectrum Analyzer conditions:

Frequency: Test Frequency

Span 83.5 MHz (FHSS); 40/60 MHz (OFDM; DSSS)

RBW 1 MHz (FHSS); 300kHz (OFDM; DSSS)

VBW 1 MHz (FHSS); 300kHz (OFDM; DSSS)

Sweep Time Auto

detector mode Positive peak

Indication mode Max hold

OBW 90%

Please Refer to Appendix for Details

7.4 Antenna Power

Test Requirement MIC Item 19 of Article 2 Paragraph 1
 Test Method: MIC Notice No.88 Appendix No.43
 Limit: Designated value
 (1) FH, FH+DS, FH+OFDM: 3mW/MHz
 (used in the range of 2427 - 2470.75 MHz)
 (2) OFDM, DS other than (1) 10mW/MHz
 (3) Other than (1) & (2) 10mW
 (4) OFDM OBW 26 - 38MHz: 5mW/MHz
 Tolerance: +20%, -80%

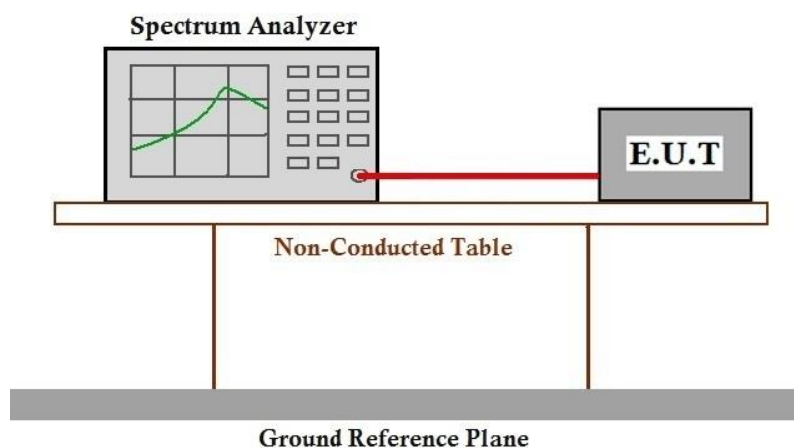
7.4.1 E.U.T. Operation

Operating Environment:
 Temperature: 24.6 °C Humidity: 56.1 % RH Atmospheric Pressure: 1014 mbar

7.4.2 Test Mode Description

Pre-scan /	Mode	Description
Final test	Code	
Final test	00	TX mode_Keep the EUT in transmitting mode(For left earbud).

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping ON, Modulation Tx

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

3. Spectrum Analyzer conditions:

Frequency: Test Frequency

Span 25 MHz(FHSS); 40/60 MHz (OFDM; DSSS); Enough to capture the emission (Others)

RBW 1 MHz (FHSS; OFDM; DSSS); More than OBW (Others)

VBW 1 MHz (FHSS; OFDM; DSSS); More than RBW (Others)

Sweep Time Auto

detector mode RMS

Indication mode Max hold

Please Refer to Appendix for Details

7.5 Dwell time

Test Requirement MIC Item 19 of Article 2 Paragraph 1
 Test Method: MIC Notice No.88 Appendix No.43
 Limit: less than 0.4sec

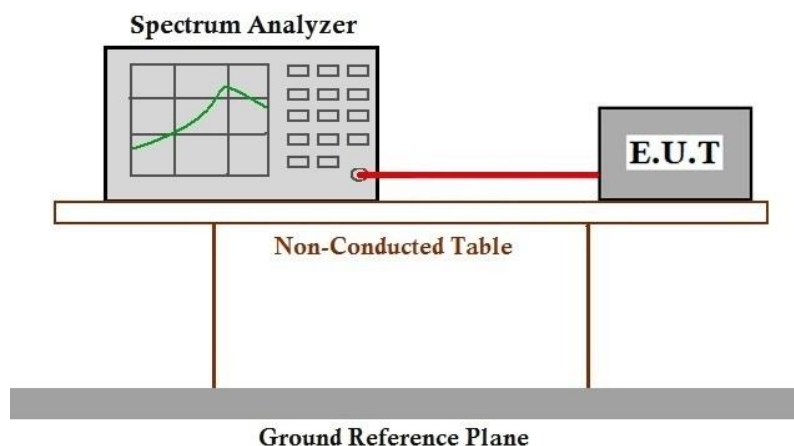
7.5.1 E.U.T. Operation

Operating Environment:
 Temperature: 24.6 °C Humidity: 56.1 % RH Atmospheric Pressure: 1014 mbar

7.5.2 Test Mode Description

Pre-scan /	Mode	Description
Final test	Code	
Final test	00	TX mode_Keep the EUT in transmitting mode(For left earbud).

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping ON, Hopping frequency is fixed, Bluetooth equipment is setting DH5 mode

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

3. Spectrum Analyzer conditions:

Frequency: Test Frequency (fixed hopping frequency)

Span 0 Hz

RBW 1 MHz

VBW 1 MHz

Sweep Time EUT condition

Trigger Video Trigger

Measures the Transmission time of 1 burst (sec)

Measures the Burst cycle (sec)

4. Calculation procedure:

Dwell time = $(0.4(s) \times [\text{spreading rate}] \times [\text{Transmission time of 1 burst(s)}]) / ([\text{burst cycle(s)}] \times [\text{No. of hopping channel}])$

Note:

* Spreading rate = $[\text{Spread bandwidth (actual measurement value)}] / [\text{Transmission rate}]$

Please Refer to Appendix for Details

7.6 Spurious emission Intensity

Test Requirement	MIC Item 19 of Article 2 Paragraph 1
Test Method:	MIC Notice No.88 Appendix No.43
Limit:	(1) Below 2387 MHz: 2.5μW/MHz (2) 2387 to 2400 MHz: 25μW/MHz (3) 2483.5 through 2496.5 MHz: 25μW/MHz (4) Over 2496.5 MHz: 2.5μW/MHz

7.6.1 E.U.T. Operation

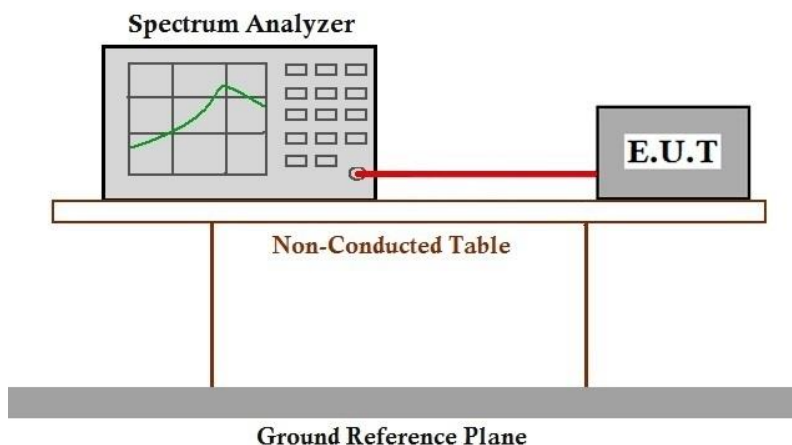
Operating Environment:

Temperature: 24.6 °C Humidity: 56.1 % RH Atmospheric Pressure: 1014 mbar

7.6.2 Test Mode Description

Pre-scan /	Mode	Description
Final test	Code	
Final test	00	TX mode_Keep the EUT in transmitting mode(For left earbud).

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping ON, , Modulation Tx

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

3. Spectrum Analyzer conditions:

Step 1

All spurious are measured from 30 MHz to 13 GHz by peak mode.

Step 2

IF the value measured by Step1 is 2 dB or less, measure in average mode.

Test setup for Step 1:

Frequency: 30 MHz - 2400 MHz , 2483.5 MHz -13 GHz

RBW 1 MHz

VBW 1 MHz

Sweep Time Auto

detector mode Positive peak

Indication mode Max hold

Test setup for Step 2:

Frequency: Spurious Frequency

RBW 1 MHz

VBW 1 MHz

Sweep Time Auto

detector mode Sample

Indication mode Max hold

Please Refer to Appendix for Details

7.7 Limit of secondary radiated emissions

Test Requirement	MIC Item 19 of Article 2 Paragraph 1
Test Method:	MIC Notice No.88 Appendix No.43
Limit:	(1) Below 1 GHz : 4 nW or less (2) 1 GHz and over : 20 nW or less

7.7.1 E.U.T. Operation

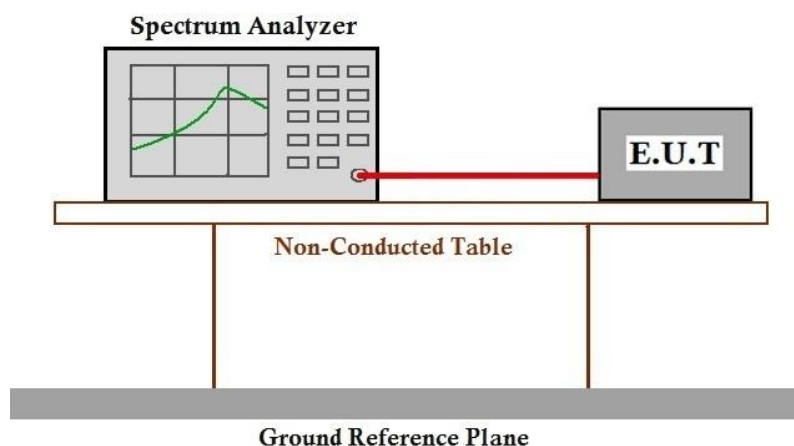
Operating Environment:

Temperature: 24.6 °C Humidity: 56.1 % RH Atmospheric Pressure: 1014 mbar

7.7.2 Test Mode Description

Pre-scan / Mode	Description
Final test Code	
Final test 01	RX mode_Keep the EUT in continuous receiving mode(For left earbud).

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping ON

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

3. Spectrum Analyzer conditions:

Step 1

All spurious are measured from 30 MHz to 13 GHz by peak mode.

Step 2

IF the value measured by Step1 is 2 dB or less, measure in average mode.

Test setup for Step 1:

Frequency: 30 MHz - 2400 MHz , 2483.5 MHz -13 GHz

RBW 100 kHz (30 - 1GHz) , 1 MHz (over 1GHz)

VBW 100 kHz (30 - 1GHz) , 1 MHz (over 1GHz)

Sweep Time Auto

detector mode Positive peak

Indication mode Max hold

Test setup for Step 2:

Frequency: Spurious Frequency

Span 0 Hz

RBW 100 kHz (30 - 1GHz) , 1 MHz (over 1GHz)

VBW 100 kHz (30 - 1GHz) , 1 MHz (over 1GHz)

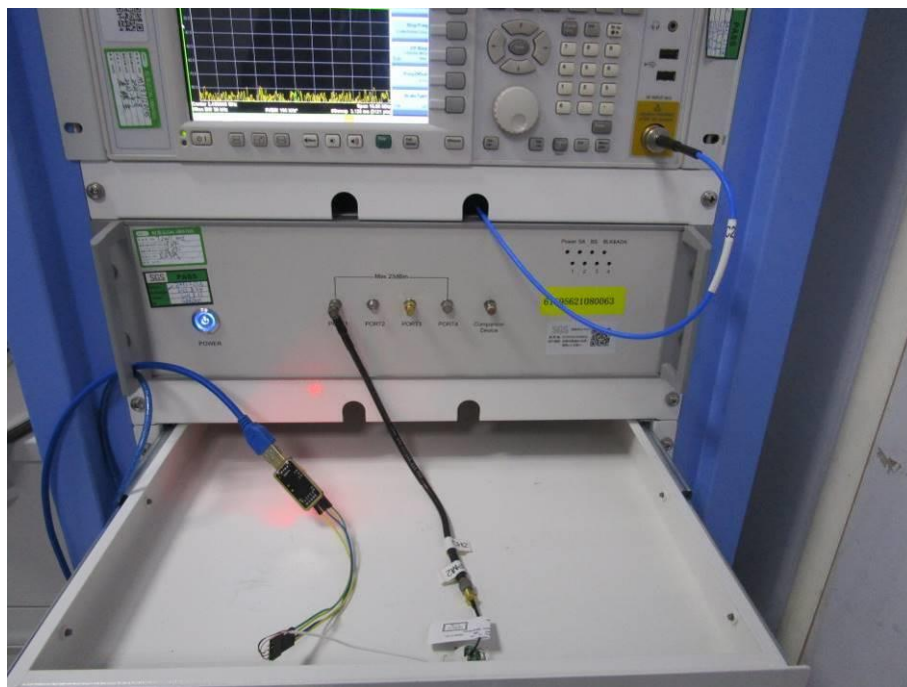
Sweep Time Auto

detector mode Sample

Indication mode Max hold

Please Refer to Appendix for Details

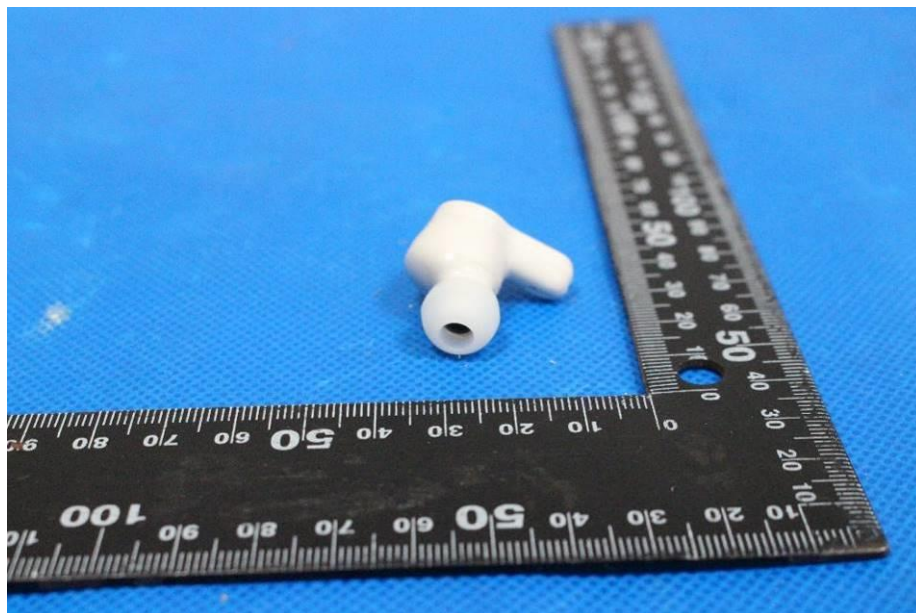
8 Test Setup Photo

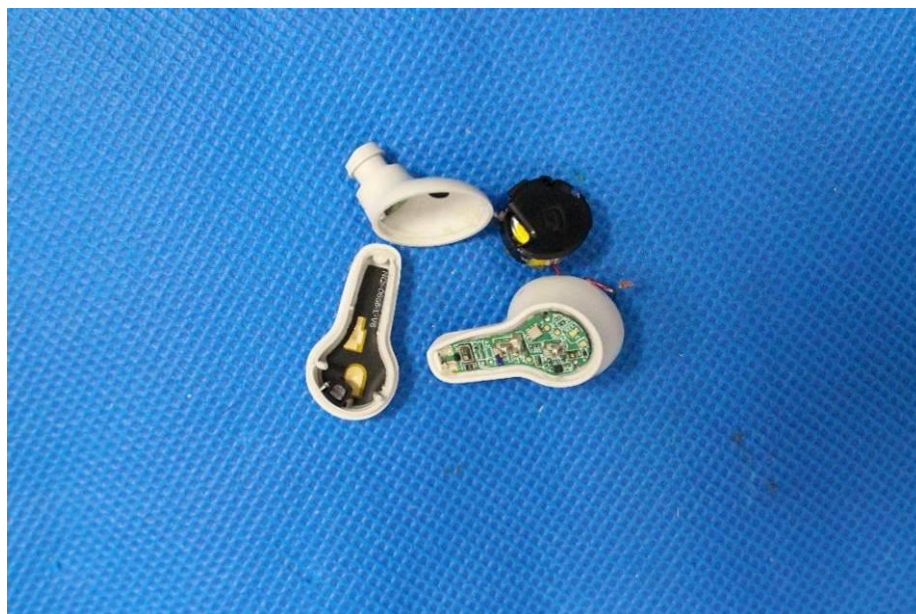


9 EUT Constructional Details (EUT Photos)





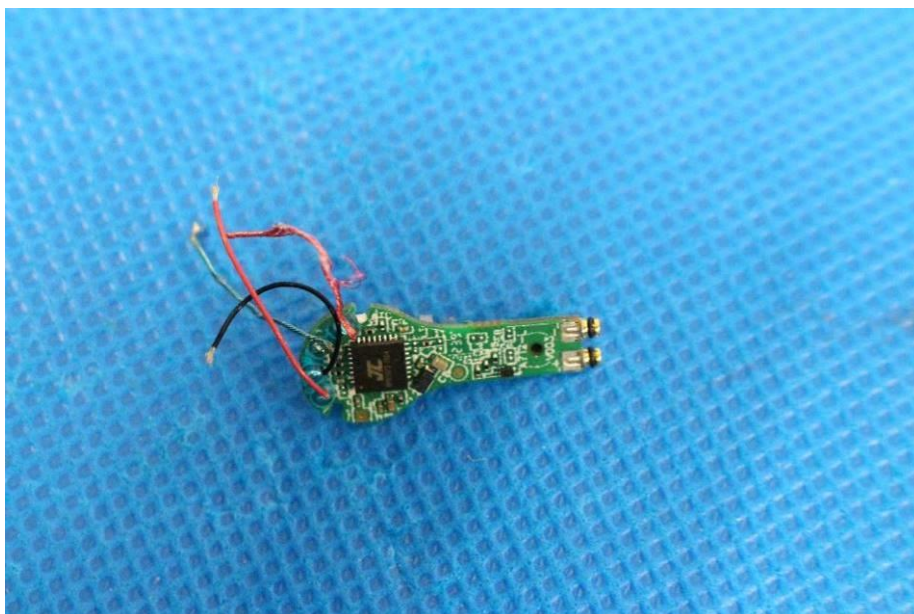


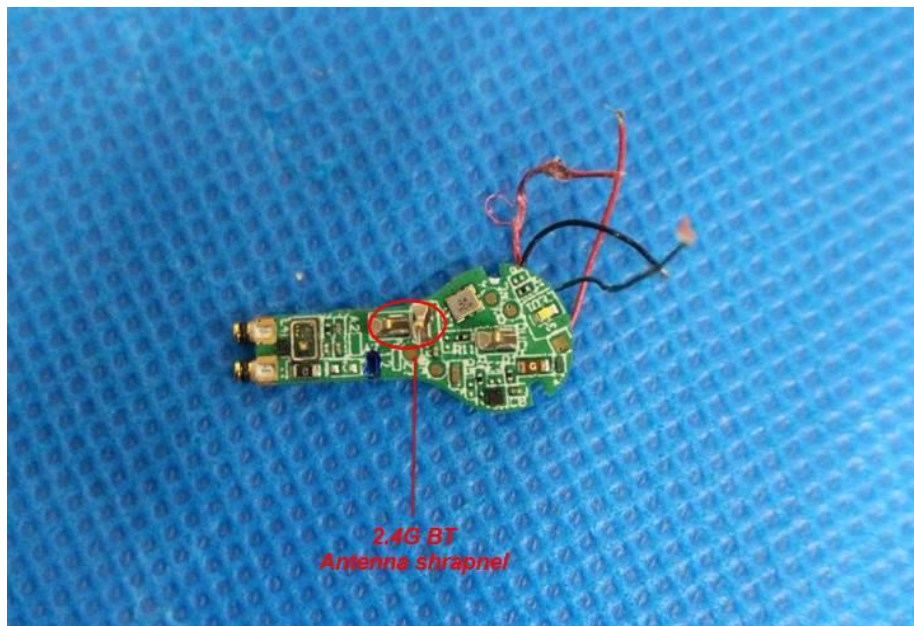




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10 Appendix

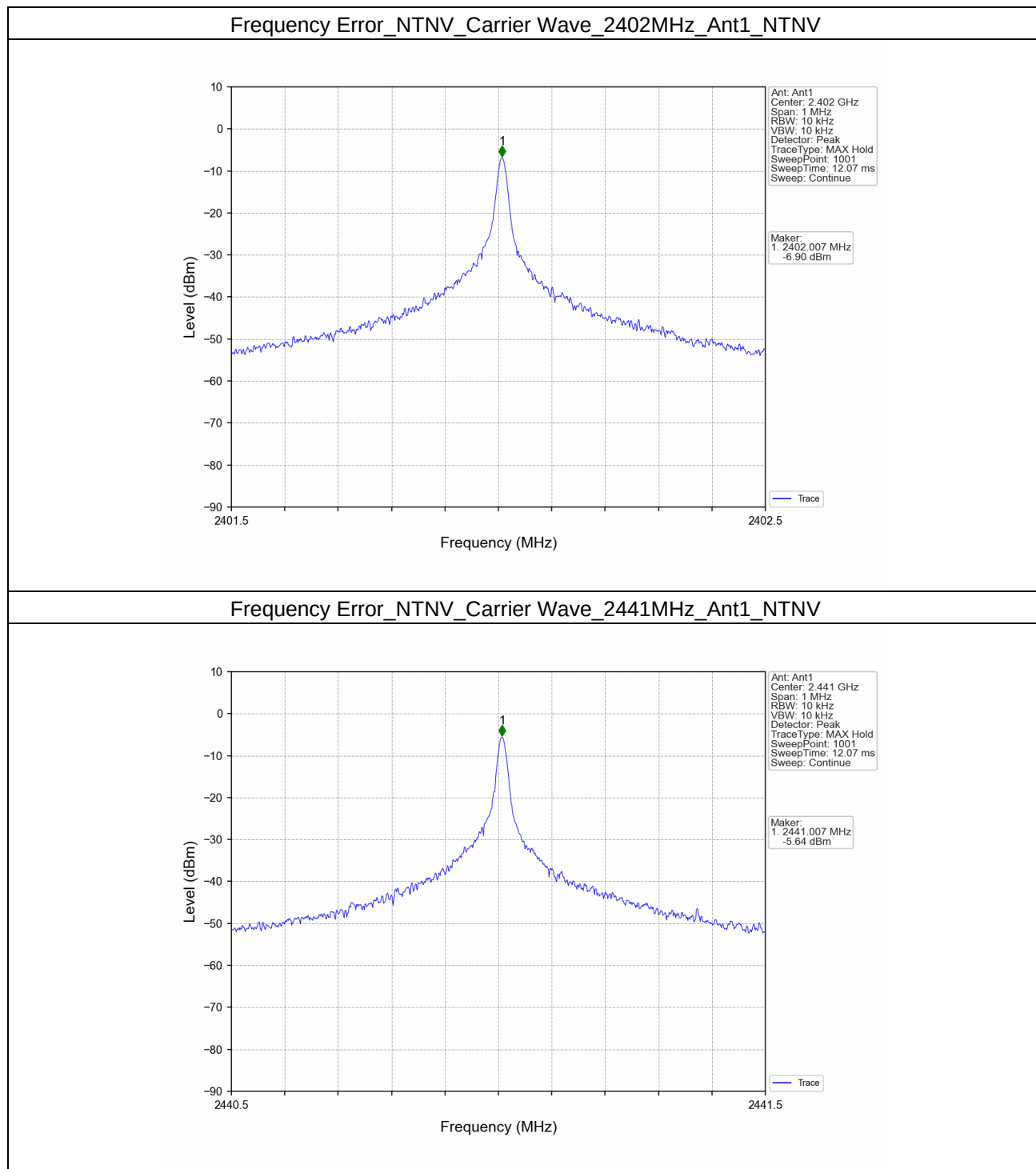
1. Frequency Error

1.1 Ant1

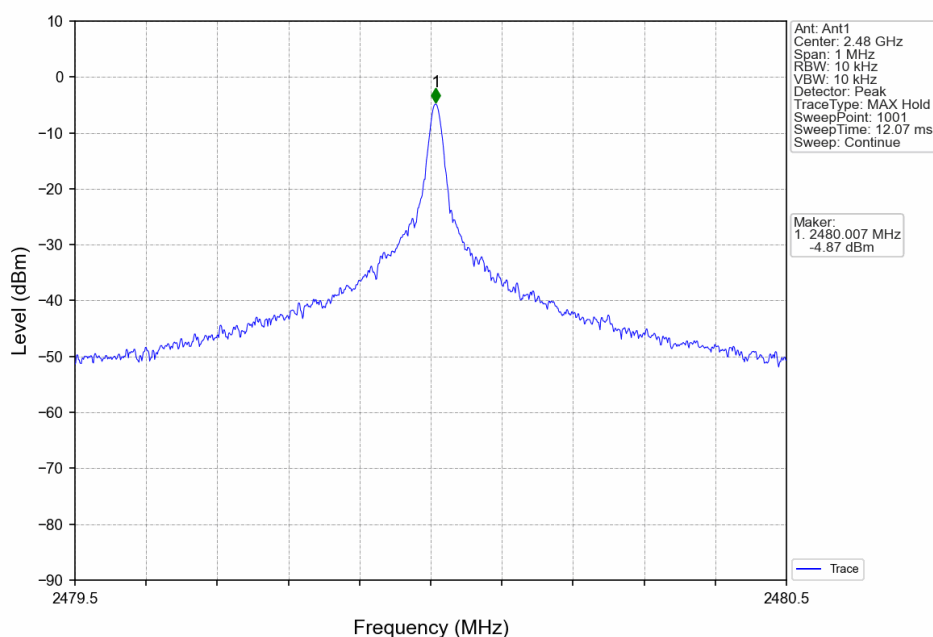
1.1.1 Test Result

Ant1								
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
						Result	Limit	
NTNV	Carrier Wave	SISO	2402	DH5	2402.007	2.91	-50 to 50	Pass
			2441	DH5	2441.007	2.87	-50 to 50	Pass
			2480	DH5	2480.007	2.82	-50 to 50	Pass
NTLV	Carrier Wave	SISO	2402	DH5	2402.007	2.91	-50 to 50	Pass
			2441	DH5	2441.007	2.87	-50 to 50	Pass
			2480	DH5	2480.007	2.82	-50 to 50	Pass
NTHV	Carrier Wave	SISO	2402	DH5	2402.007	2.91	-50 to 50	Pass
			2441	DH5	2441.007	2.87	-50 to 50	Pass
			2480	DH5	2480.007	2.82	-50 to 50	Pass

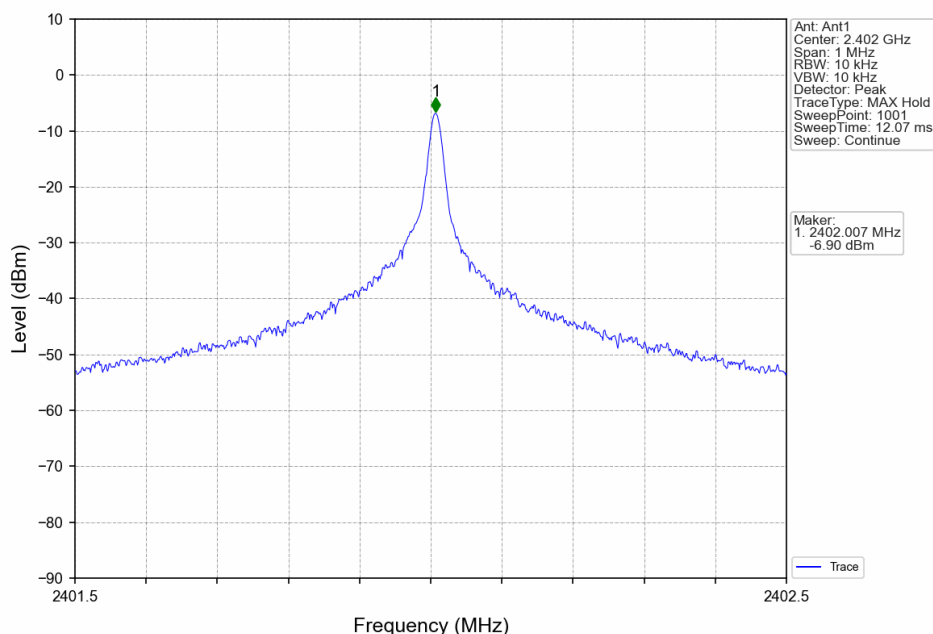
1.1.2 Test Graph



Frequency Error_NTNV_Carrier Wave_2480MHz_Ant1_NTNV



Frequency Error_NTLV_Carrier Wave_2402MHz_Ant1_NTLV

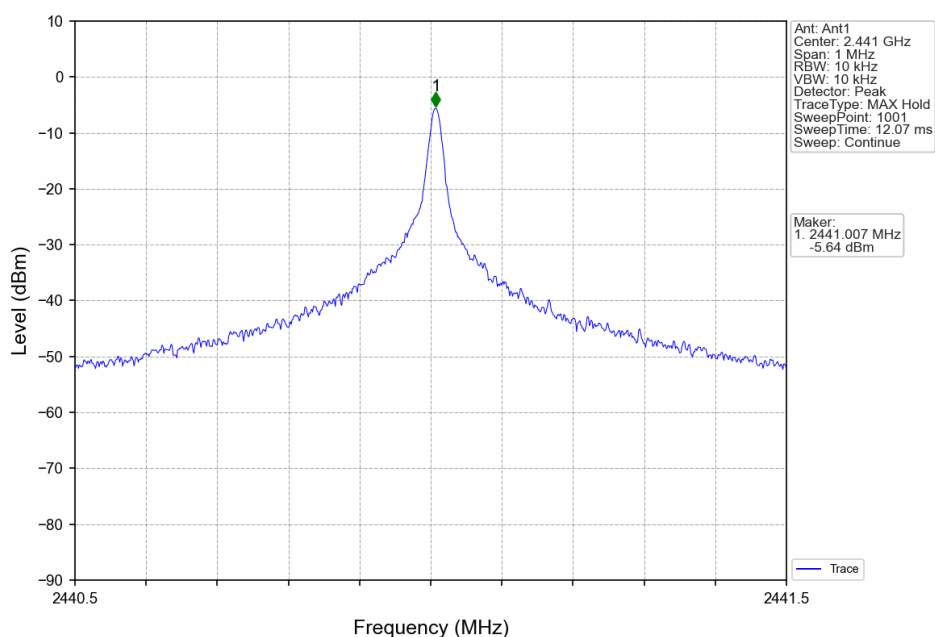


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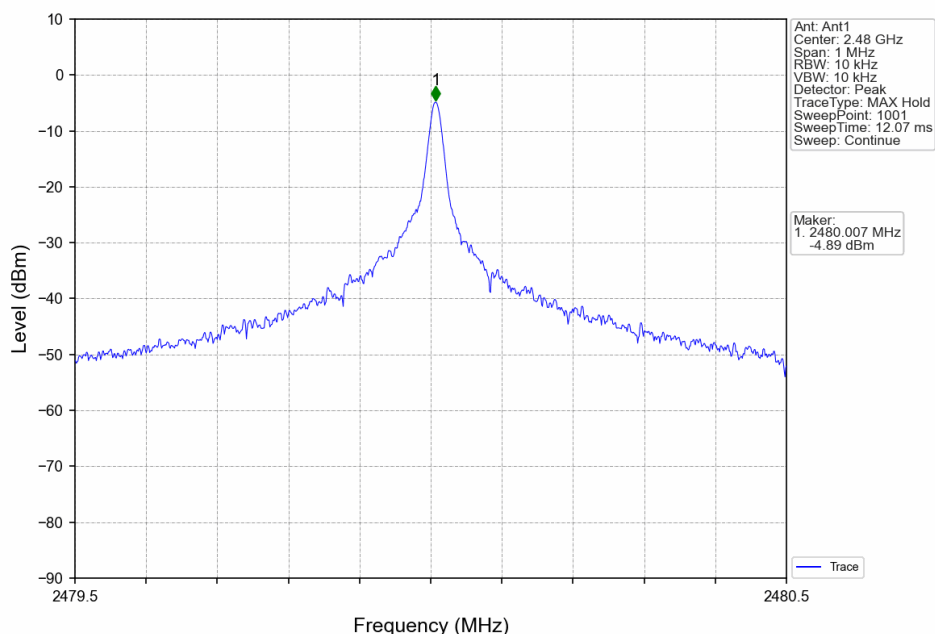
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Frequency Error_NTLV_Carrier Wave_2441MHz_Ant1_NTLV



Frequency Error_NTLV_Carrier Wave_2480MHz_Ant1_NTLV

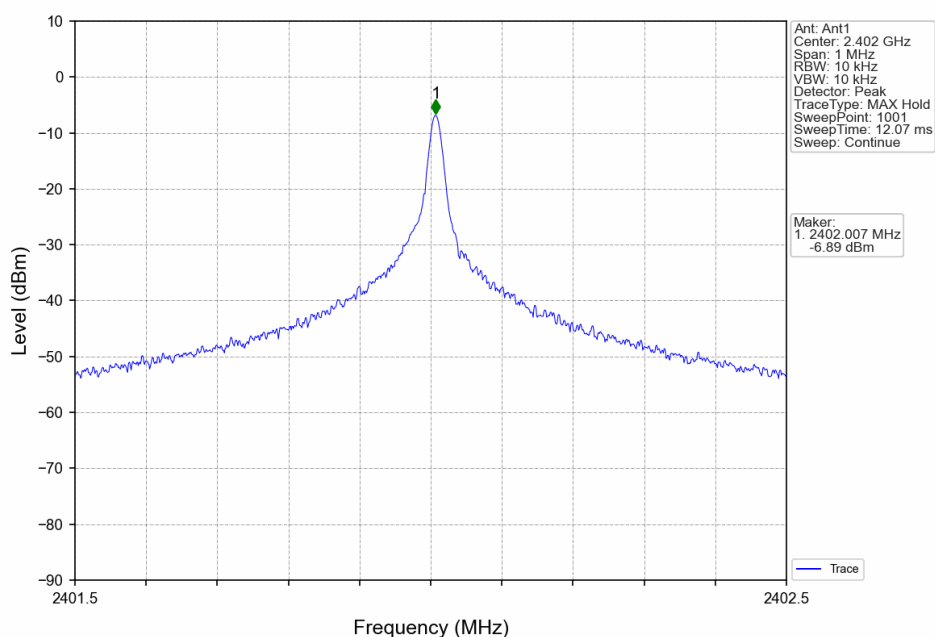


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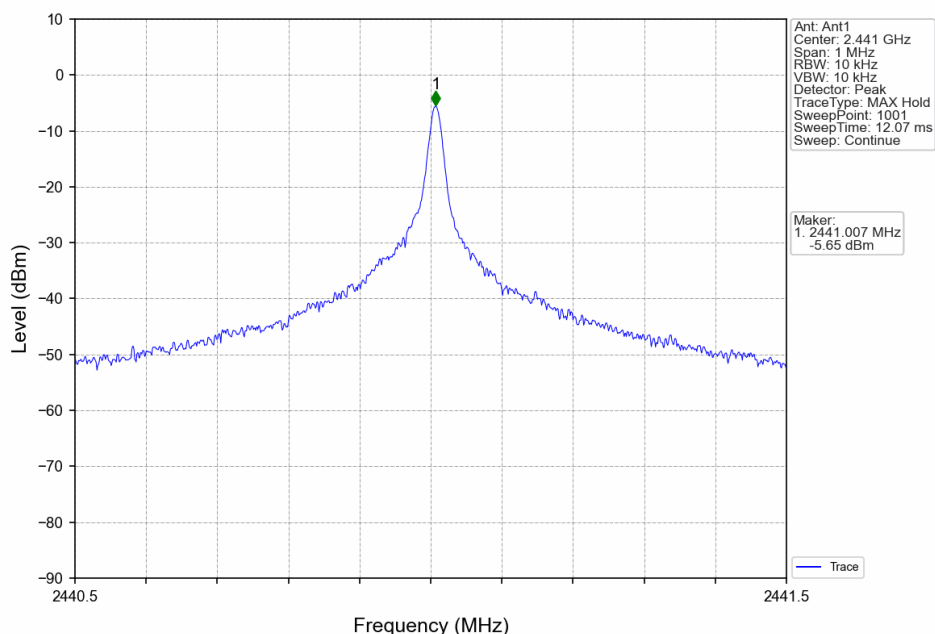
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Frequency Error_NTHV_Carrier Wave_2402MHz_Ant1_NTHV

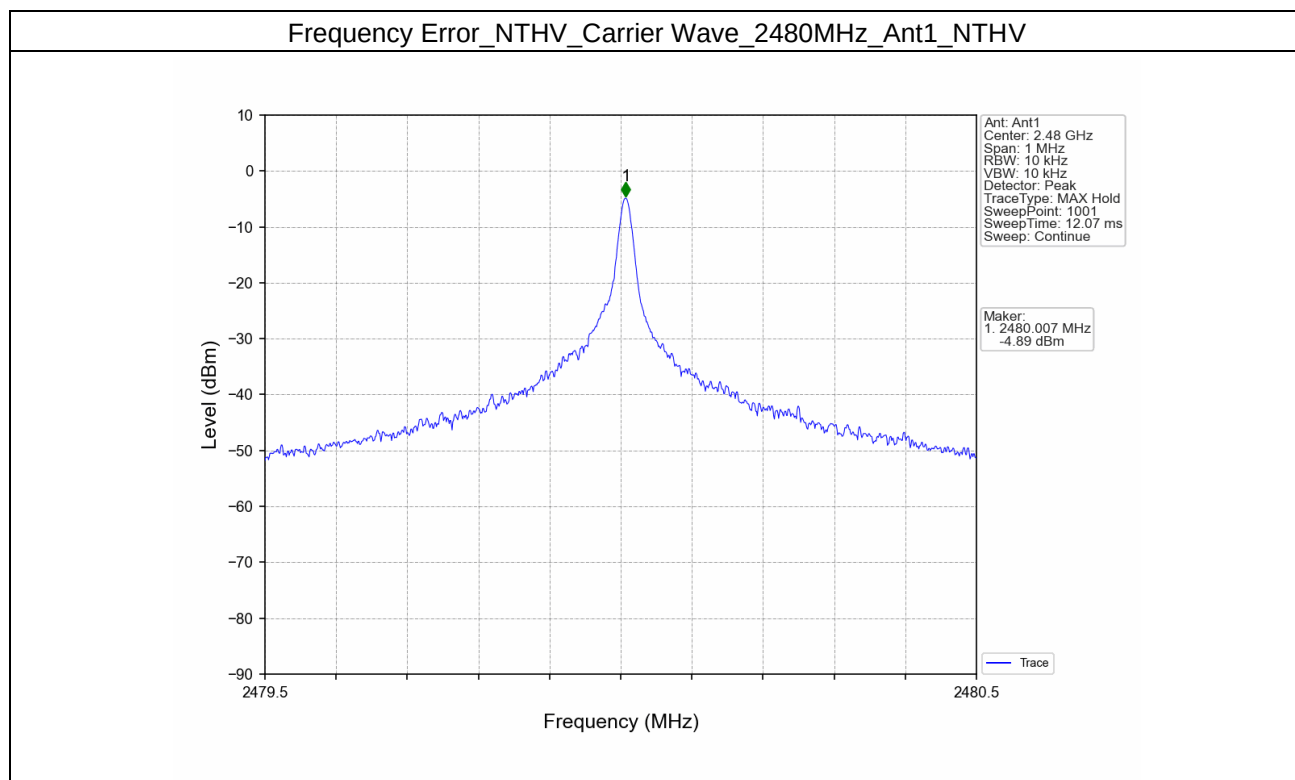


Frequency Error_NTHV_Carrier Wave_2441MHz_Ant1_NTHV



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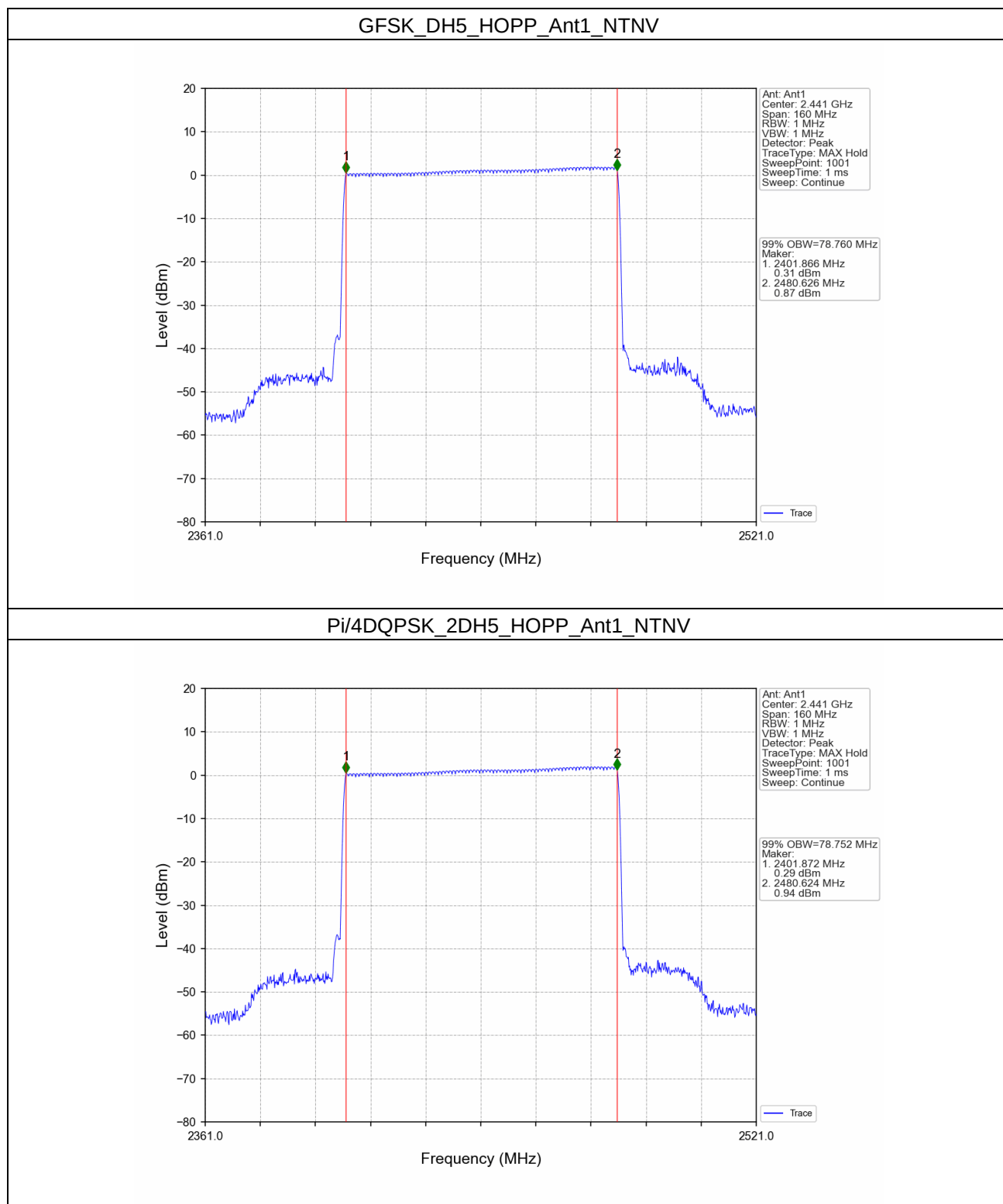
2. Occupied Bandwidth

2.1 OBW

2.1.1 Test Result

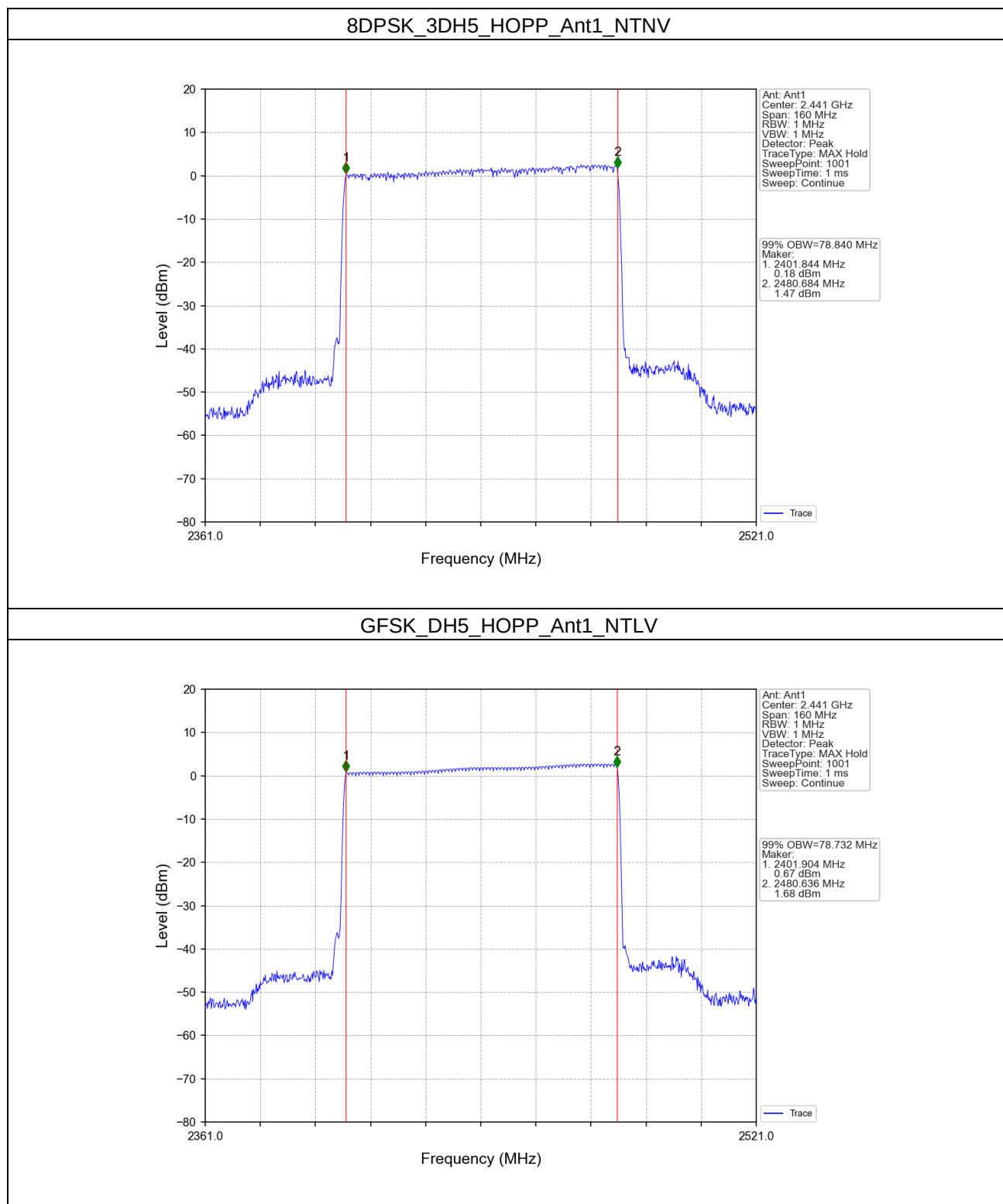
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	99% Occupied Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	78.760	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.752	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.840	<=83.5	Pass
NTLV	GFSK	SISO	HOPP	DH5	78.732	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.842	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.819	<=83.5	Pass
NTHV	GFSK	SISO	HOPP	DH5	78.742	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.847	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.813	<=83.5	Pass

2.1.2 Test Graph

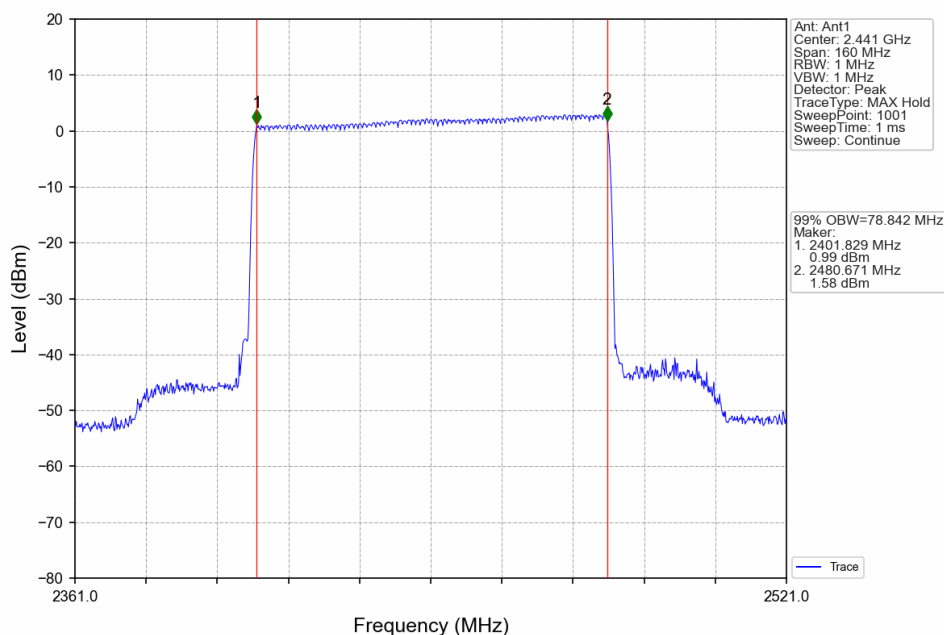


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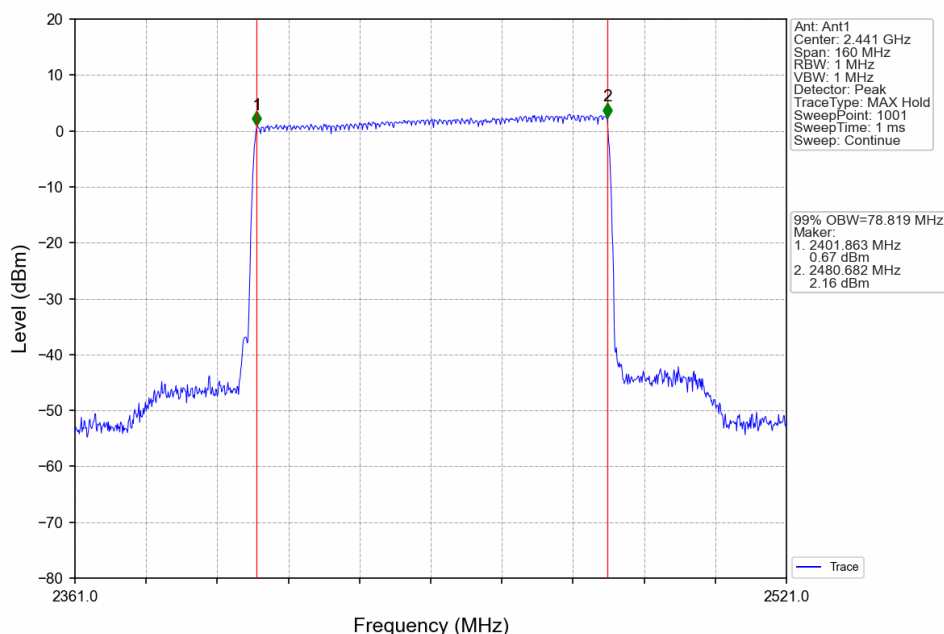
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Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV



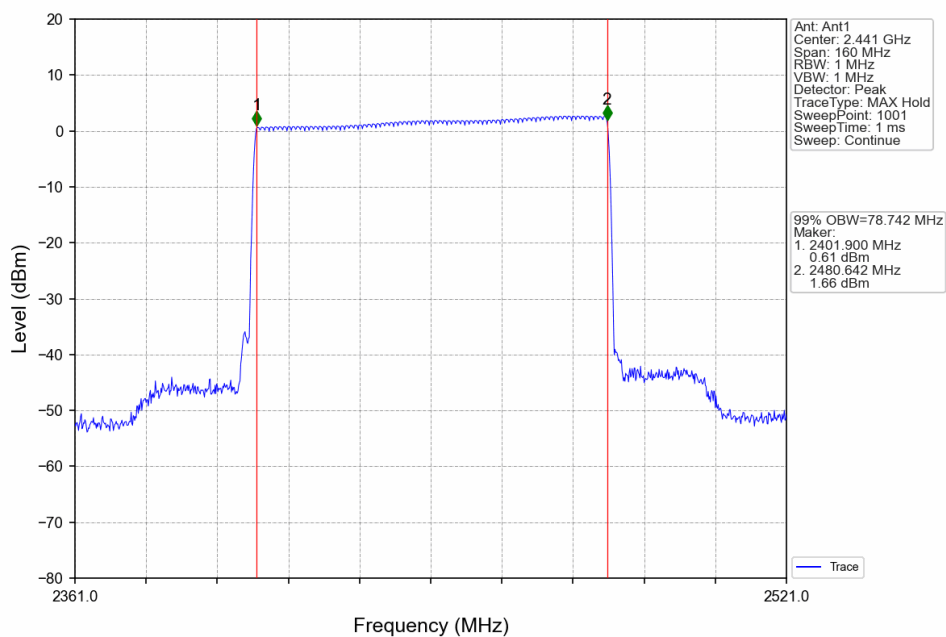
8DPSK_3DH5_HOPP_Ant1_NTLV



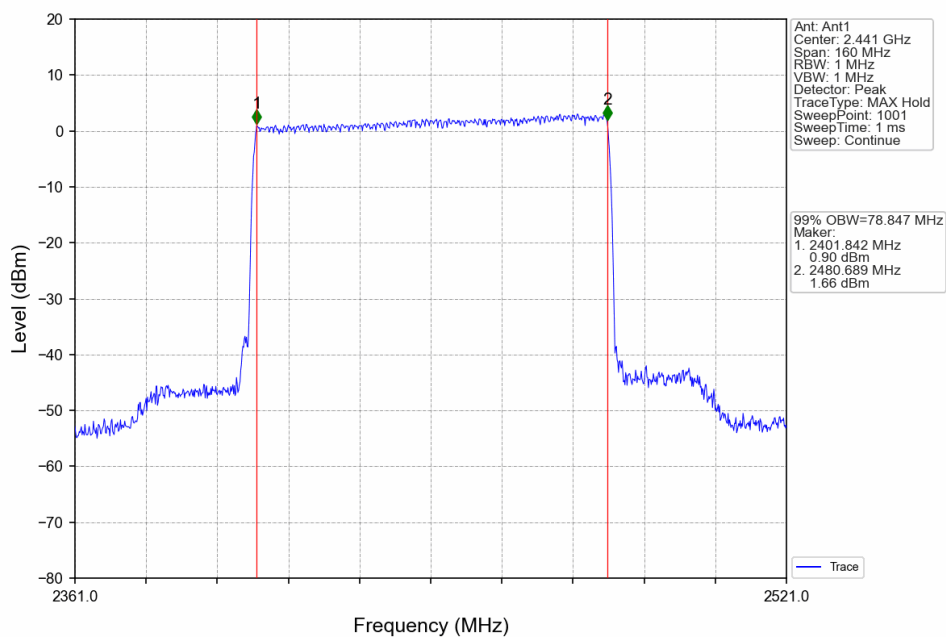
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GFSK_DH5_HOPP_Ant1_NTHV

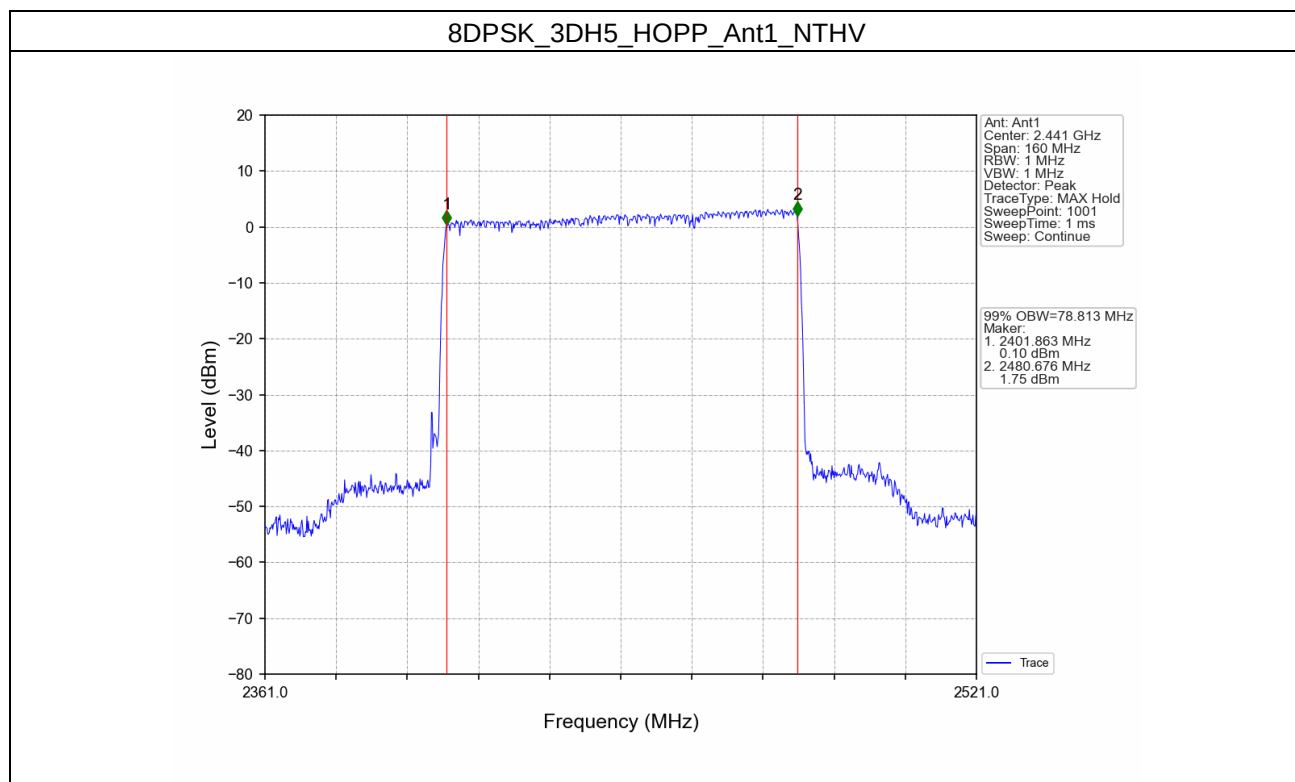


Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV



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3. Spread Bandwidth

3.1 SPBW

3.1.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spread Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	71.522	≥ 0.5	Pass
			HOPP20	DH5	18.527	≥ 0.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	71.641	≥ 0.5	Pass
			HOPP20	2DH5	18.531	≥ 0.5	Pass
	8DPSK	SISO	HOPP	3DH5	71.755	≥ 0.5	Pass
			HOPP20	3DH5	18.615	≥ 0.5	Pass
NTLV	GFSK	SISO	HOPP	DH5	71.449	≥ 0.5	Pass
			HOPP20	DH5	18.523	≥ 0.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	71.526	≥ 0.5	Pass
			HOPP20	2DH5	18.520	≥ 0.5	Pass
	8DPSK	SISO	HOPP	3DH5	71.549	≥ 0.5	Pass
			HOPP20	3DH5	18.620	≥ 0.5	Pass
NTHV	GFSK	SISO	HOPP	DH5	71.449	≥ 0.5	Pass
			HOPP20	DH5	18.523	≥ 0.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	71.468	≥ 0.5	Pass
			HOPP20	2DH5	18.553	≥ 0.5	Pass
	8DPSK	SISO	HOPP	3DH5	71.528	≥ 0.5	Pass
			HOPP20	3DH5	18.637	≥ 0.5	Pass

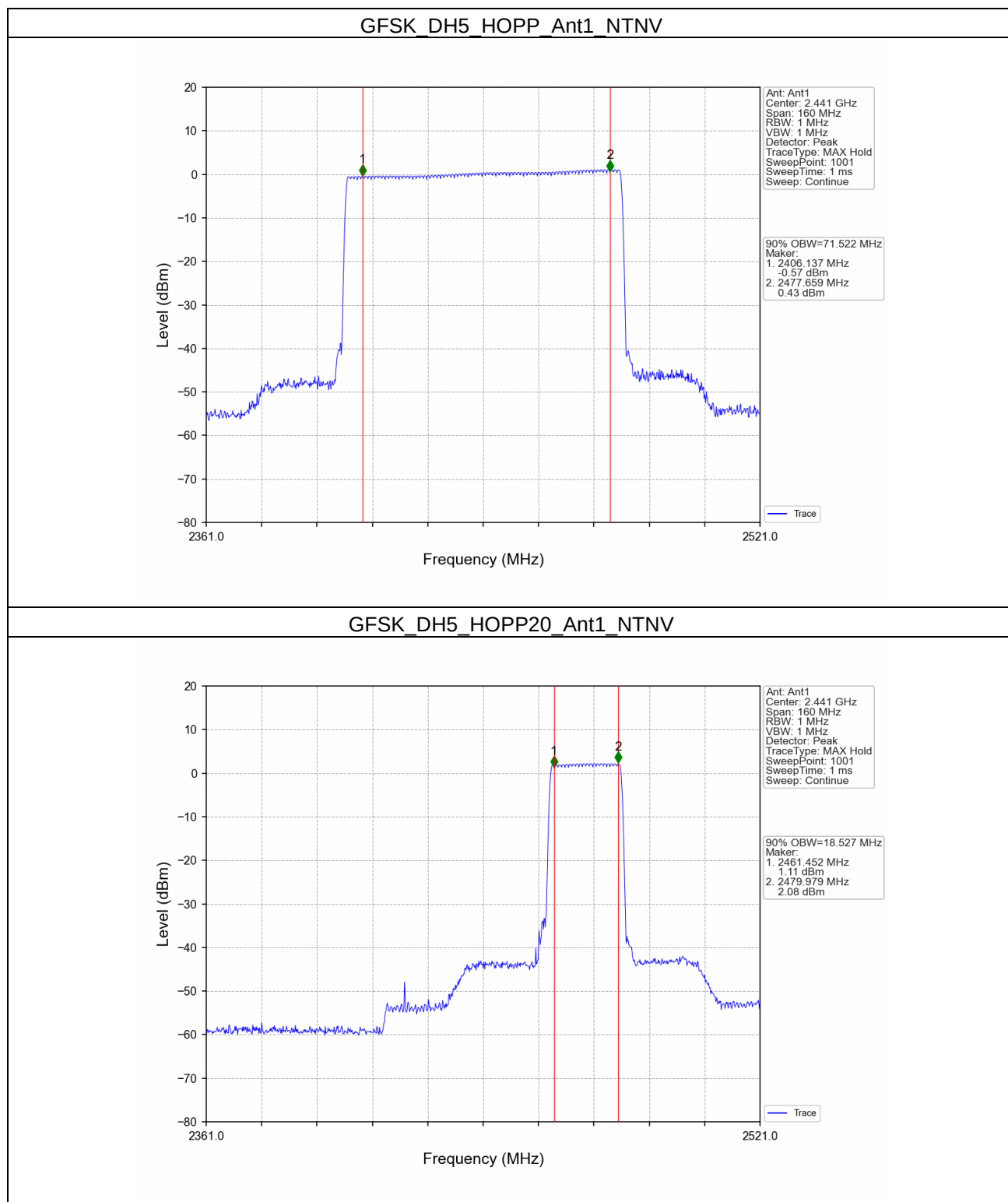
3.2 Spread Rate

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spread rate*		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	71.522	≥ 5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	71.641	≥ 5	Pass
	8DPSK	SISO	HOPP	3DH5	71.755	≥ 5	Pass
NTLV	GFSK	SISO	HOPP	DH5	71.449	≥ 5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	71.526	≥ 5	Pass
	8DPSK	SISO	HOPP	3DH5	71.549	≥ 5	Pass
NTHV	GFSK	SISO	HOPP	DH5	71.449	≥ 5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	71.468	≥ 5	Pass
	8DPSK	SISO	HOPP	3DH5	71.528	≥ 5	Pass

*Spreading rate = Spread bandwidth/(frequency equal to the transmission rate of the modulation signal)

GFSK, Pi /4DQPSK, 8DPSK: 1MHz

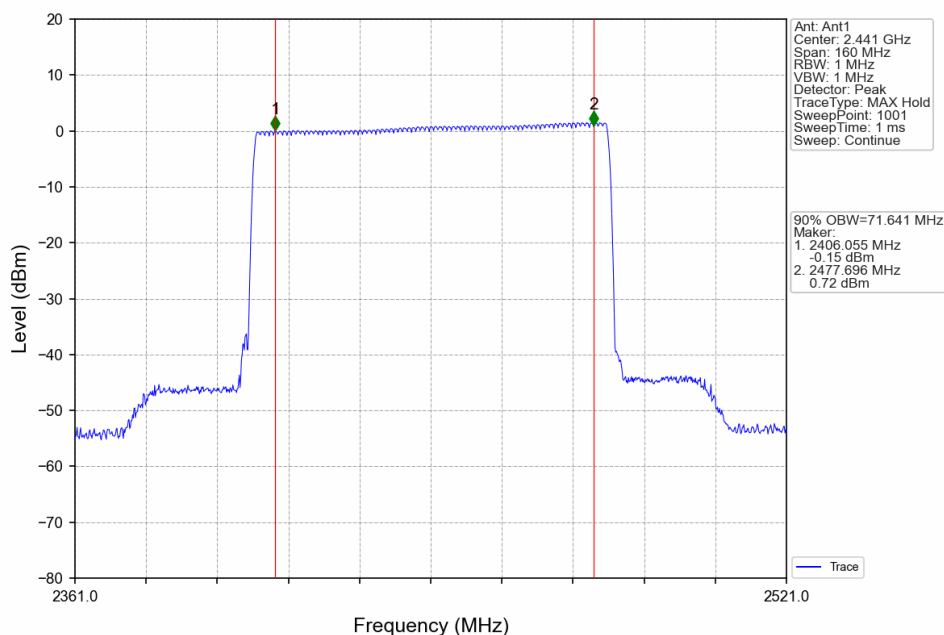
3.1.2 Test Graph



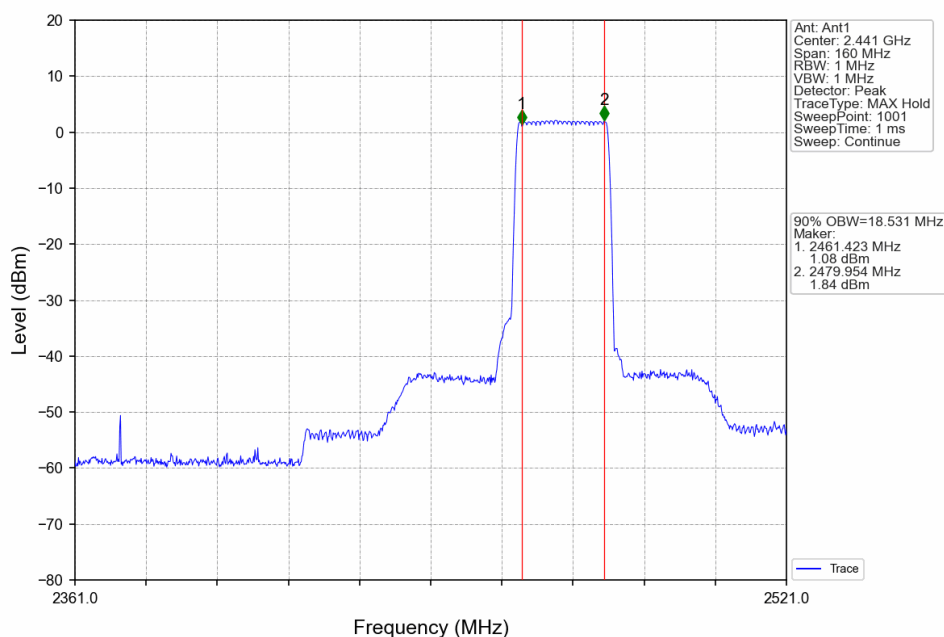
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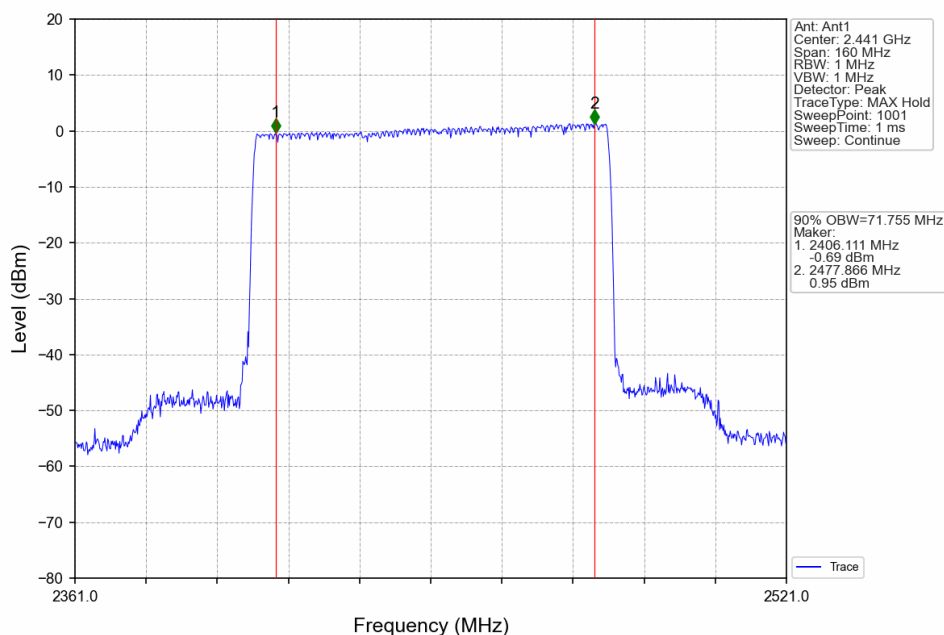
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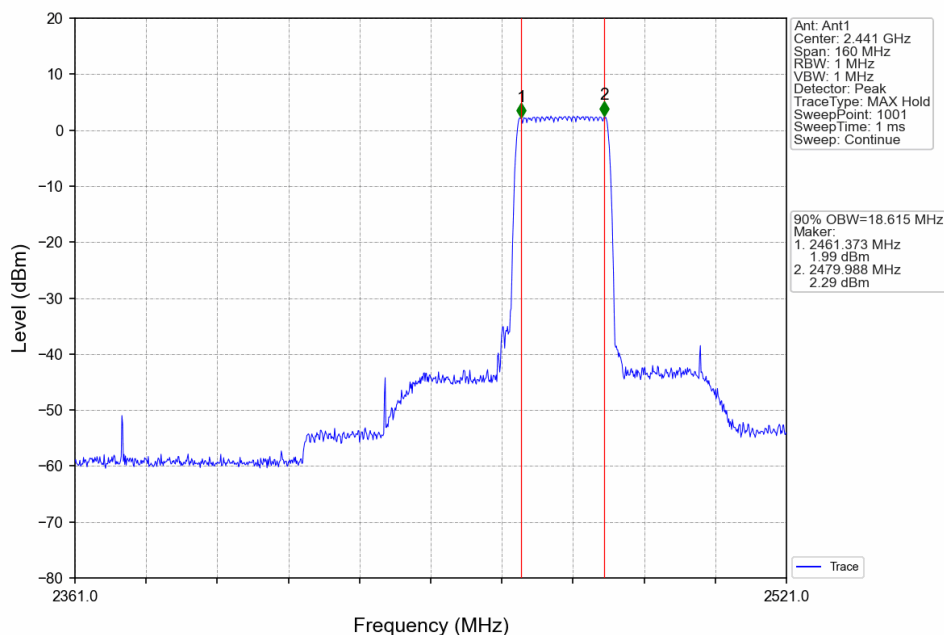
Pi/4DQPSK_2DH5_HOPP20_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



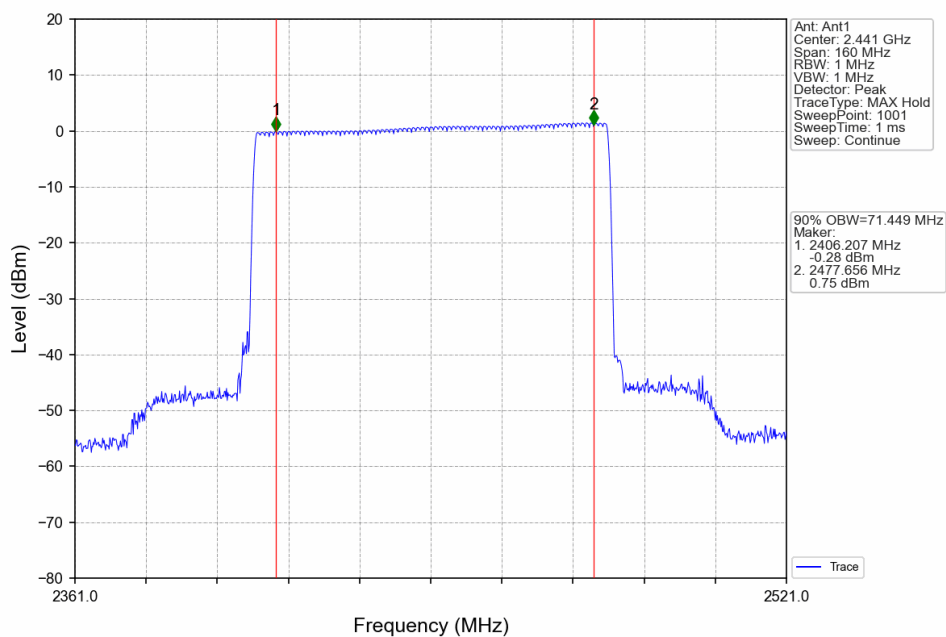
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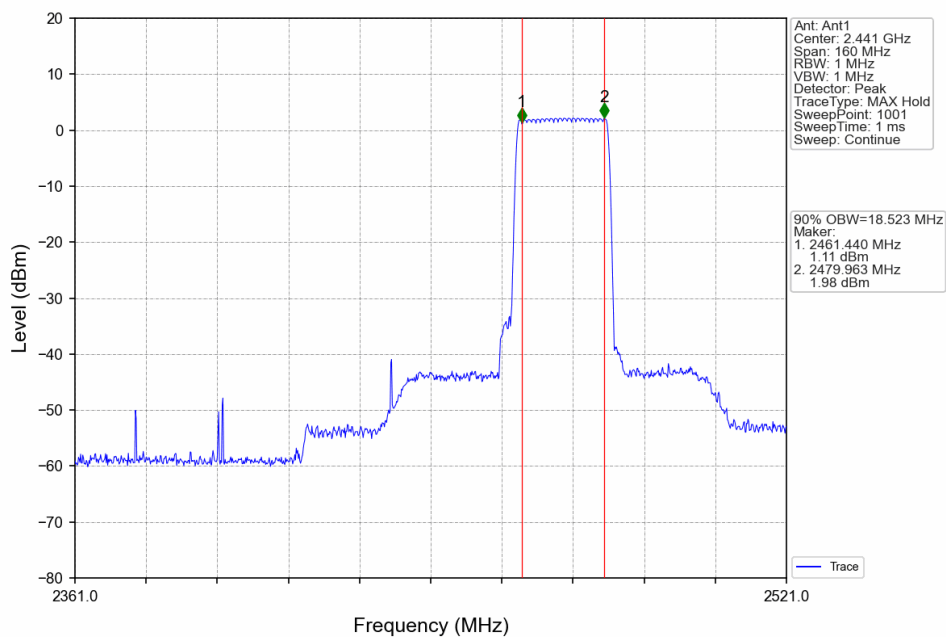
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GFSK DH5 HOPP Ant1 NTLV



GFSK DH5 HOPP20 Ant1 NTLV

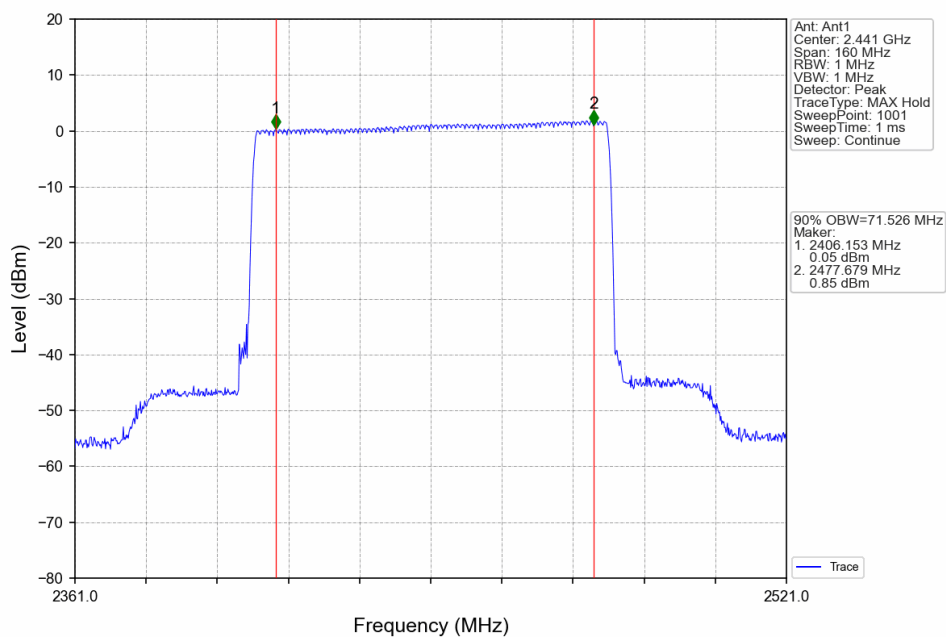


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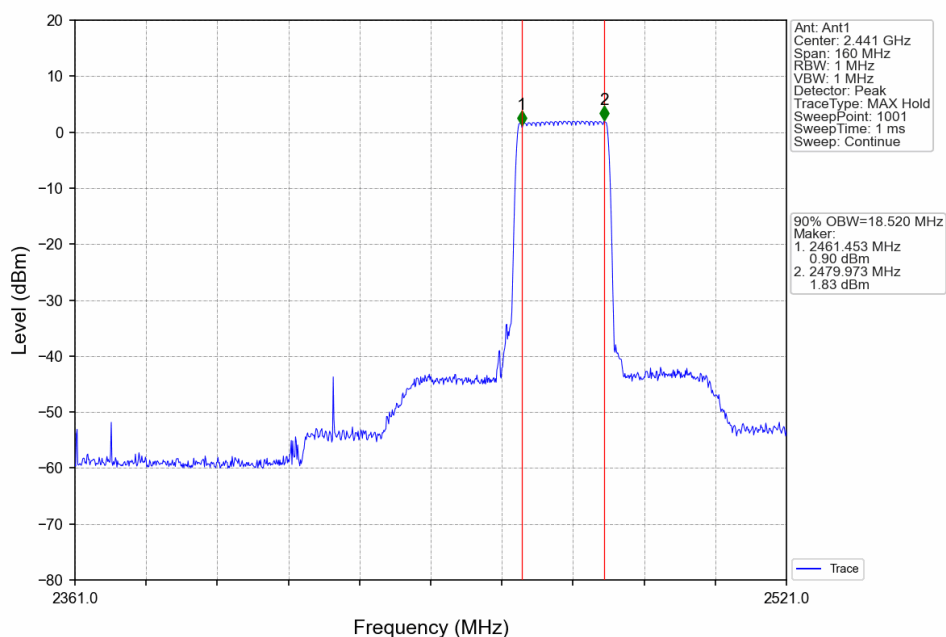
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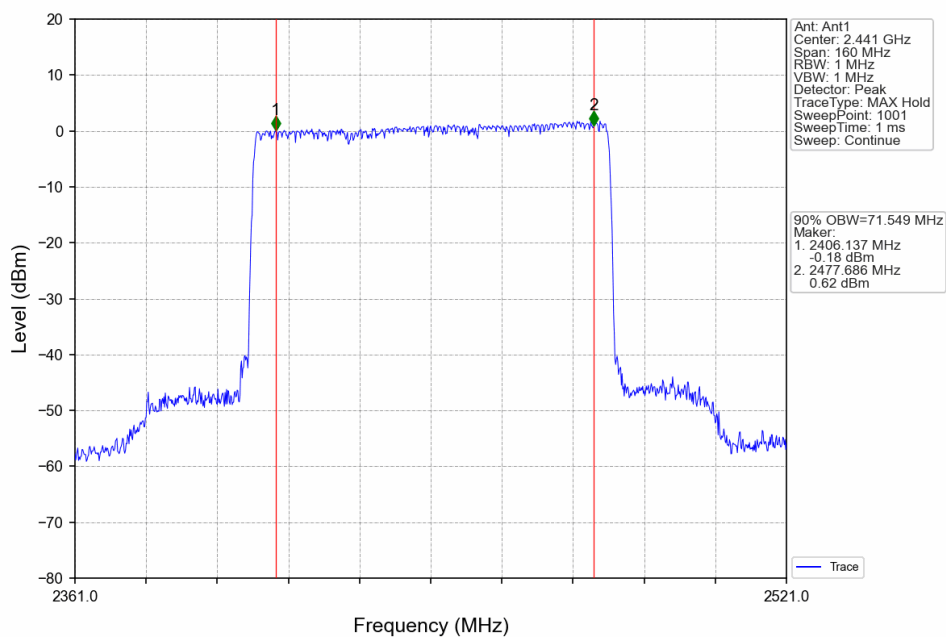
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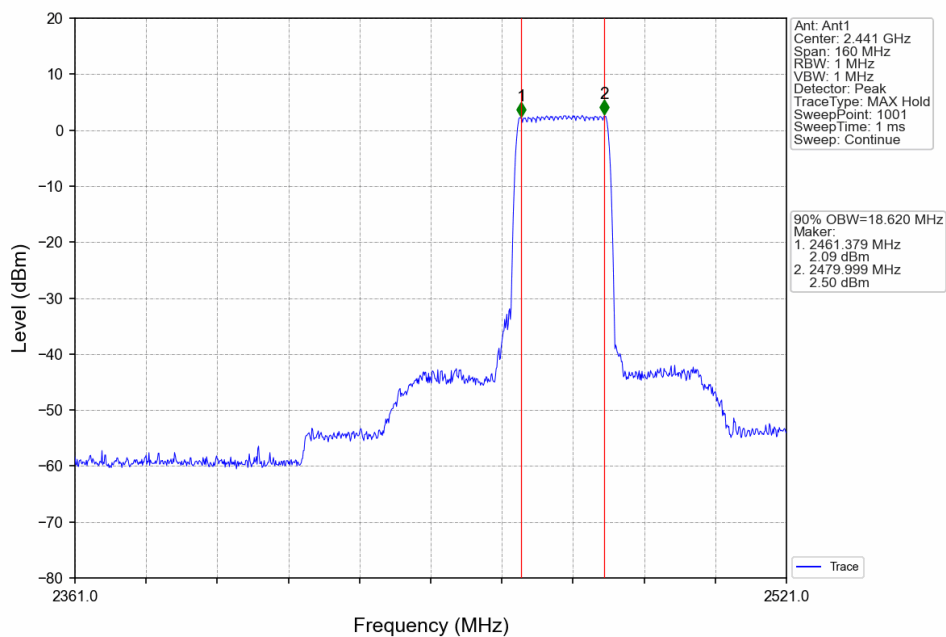
Pi/4DQPSK_2DH5_HOPP20_Ant1_NTLV



8DPSK_3DH5_HOPP_Ant1_NTLV



8DPSK_3DH5_HOPP20_Ant1_NTLV

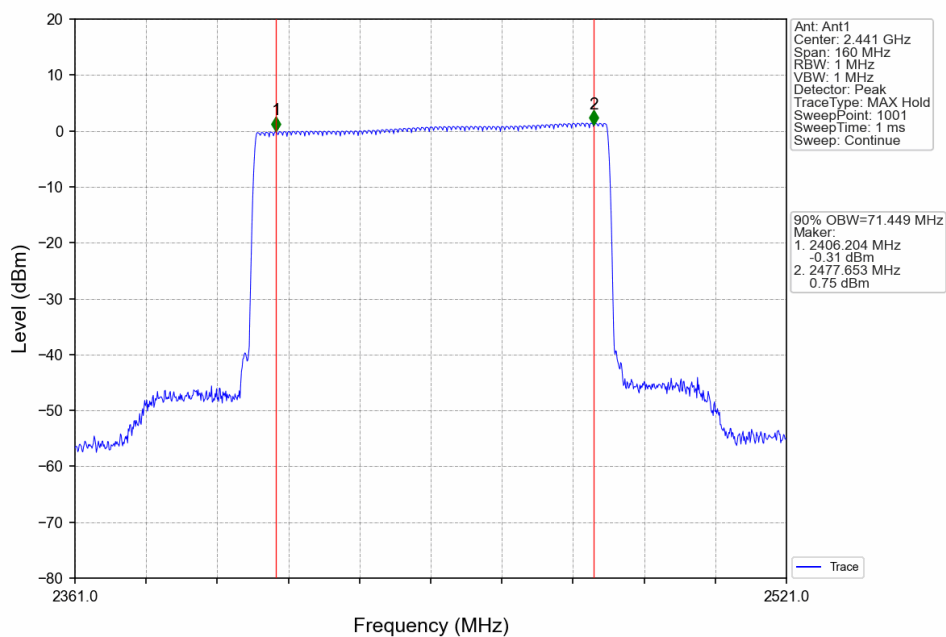


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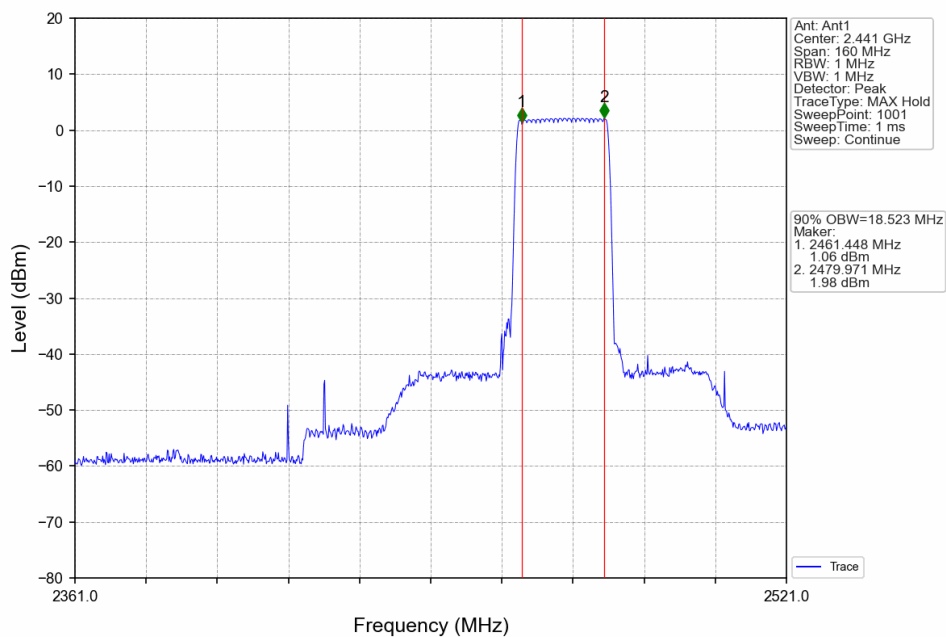
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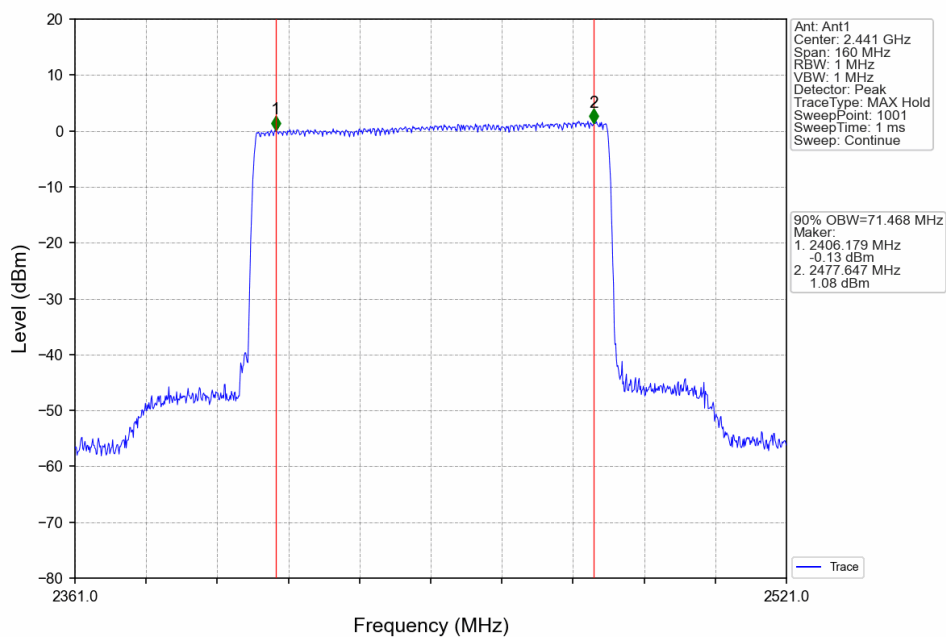
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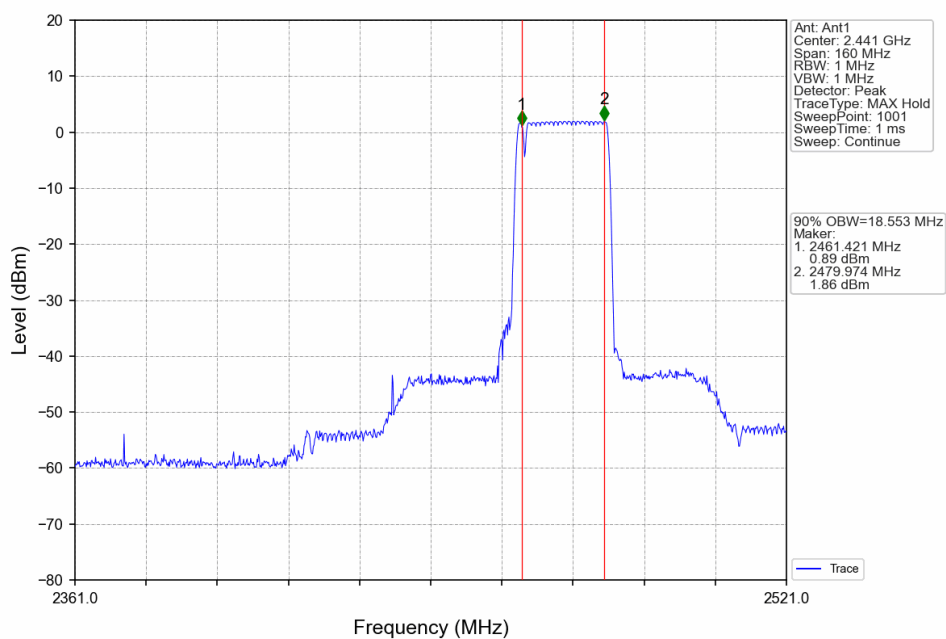
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Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV



Pi/4DQPSK_2DH5_HOPP20_Ant1_NTHV

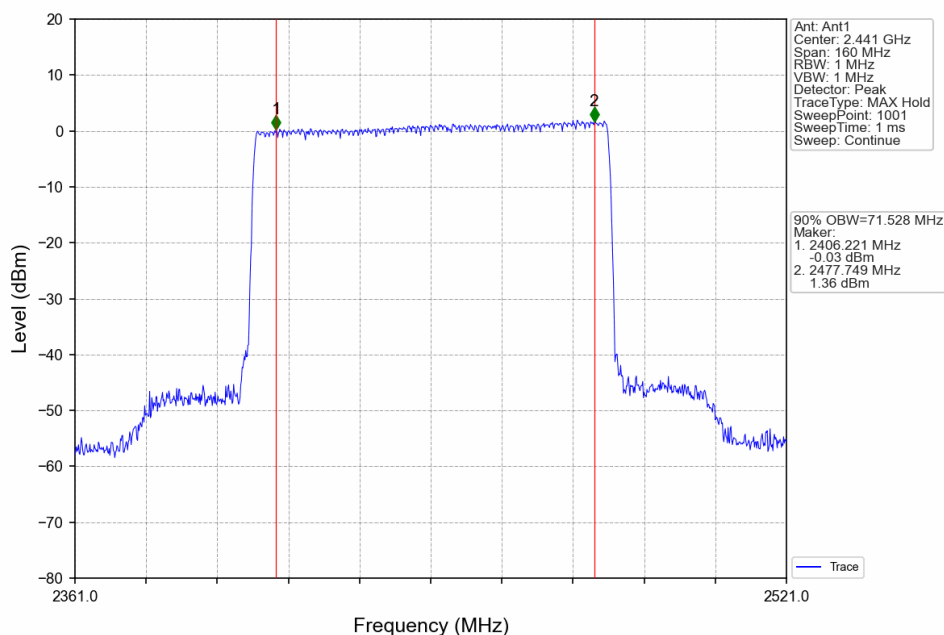


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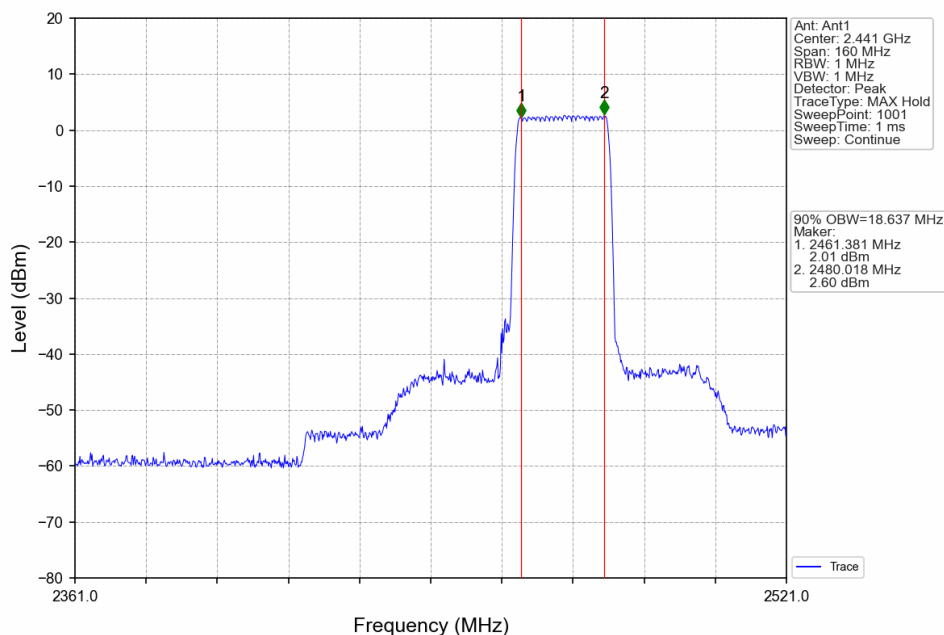
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8DPSK_3DH5_HOPP_Ant1_NTHV



8DPSK_3DH5_HOPP20_Ant1_NTHV



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4. Antenna Power

4.1 Power

4.1.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Antenna Power (mW/MHz)		Nominal Power* (mW/MHz)	Tolerance (%)		Verdict
						Measured	Limit		Measured	Limit	
NTNV	GFSK	SISO	HOPP	DH5	1	0.017	<=3.00	0.02	-15.00	-80 to 20	Pass
			HOPP20	DH5	1	0.067	<=3.00	0.07	-4.29	-80 to 20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.005	<=3.00	0.02	-75.00	-80 to 20	Pass
			HOPP20	2DH5	1	0.019	<=3.00	0.07	-72.86	-80 to 20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.011	<=3.00	0.02	-45.00	-80 to 20	Pass
			HOPP20	3DH5	1	0.044	<=3.00	0.07	-37.14	-80 to 20	Pass
NTLV	GFSK	SISO	HOPP	DH5	1	0.019	<=3.00	0.02	-5.00	-80 to 20	Pass
			HOPP20	DH5	1	0.072	<=3.00	0.07	2.86	-80 to 20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.010	<=3.00	0.02	-50.00	-80 to 20	Pass
			HOPP20	2DH5	1	0.040	<=3.00	0.07	-42.86	-80 to 20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.010	<=3.00	0.02	-50.00	-80 to 20	Pass
			HOPP20	3DH5	1	0.039	<=3.00	0.07	-44.29	-80 to 20	Pass
NTHV	GFSK	SISO	HOPP	DH5	1	0.019	<=3.00	0.02	-5.00	-80 to 20	Pass
			HOPP20	DH5	1	0.072	<=3.00	0.07	2.86	-80 to 20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.013	<=3.00	0.02	-35.00	-80 to 20	Pass
			HOPP20	2DH5	1	0.052	<=3.00	0.07	-25.71	-80 to 20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.011	<=3.00	0.02	-45.00	-80 to 20	Pass
			HOPP20	3DH5	1	0.042	<=3.00	0.07	-40.00	-80 to 20	Pass

* Nominal power is rate output power declared by client.

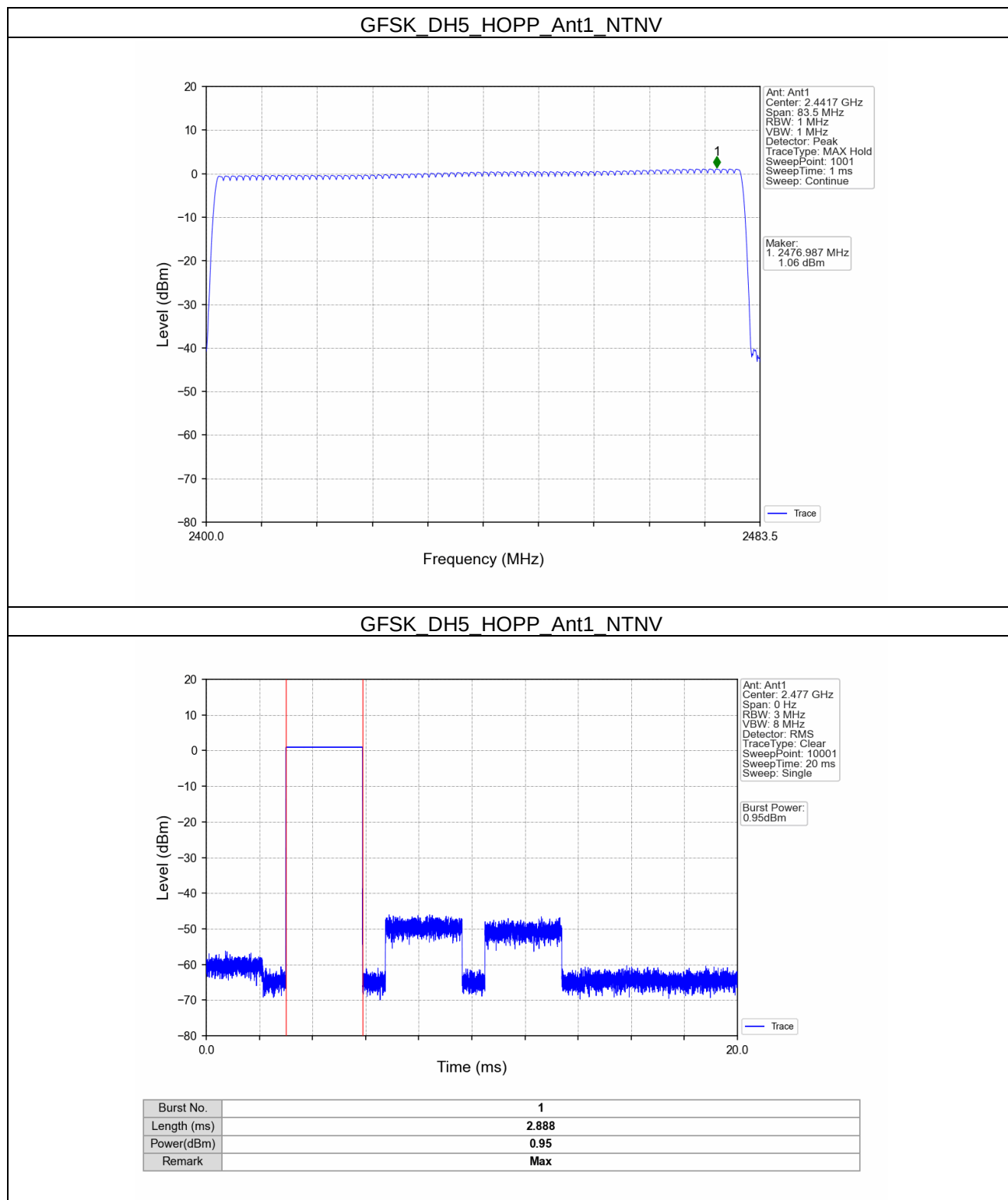


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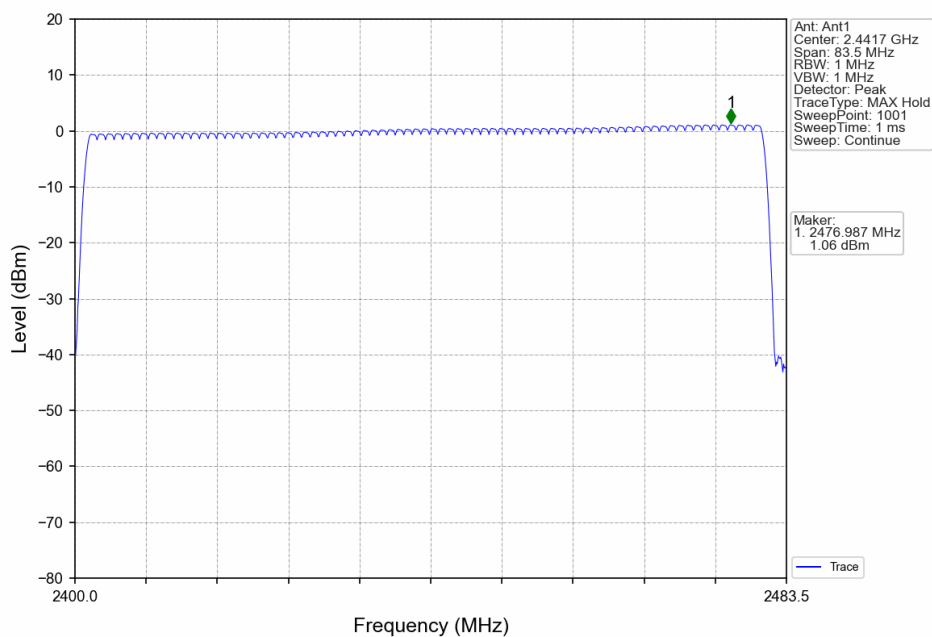
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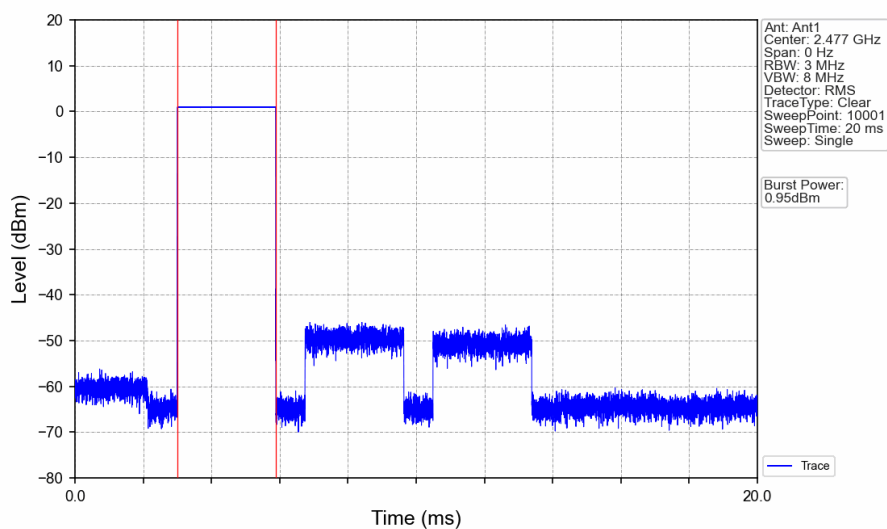
4.1.2 Test Graph



GFSK_DH5_HOPP20_Ant1_NTNV

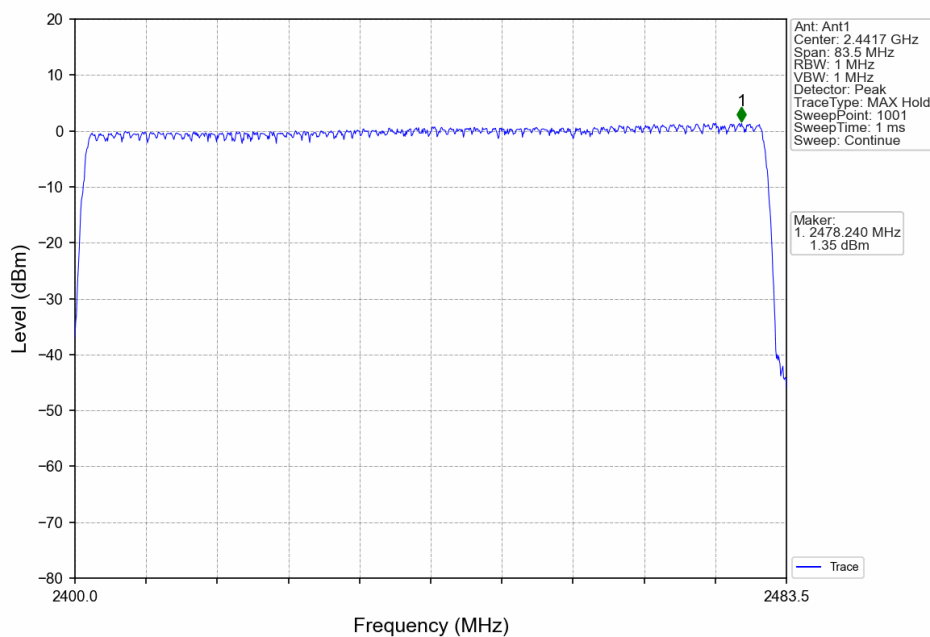


GFSK_DH5_HOPP20_Ant1_NTNV

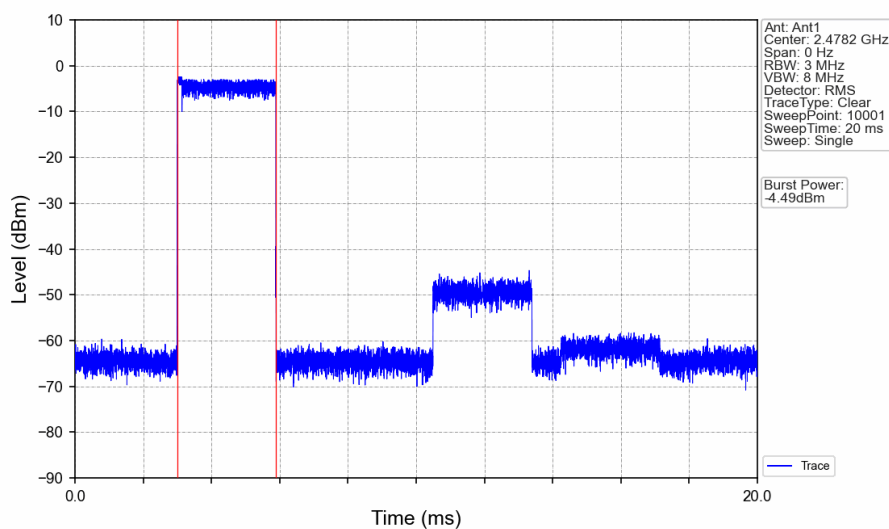


Burst No.	1
Length (ms)	2.888
Power(dBm)	0.95
Remark	Max

Pi4DQPSK_2DH5_HOPP_Ant1_NTNV

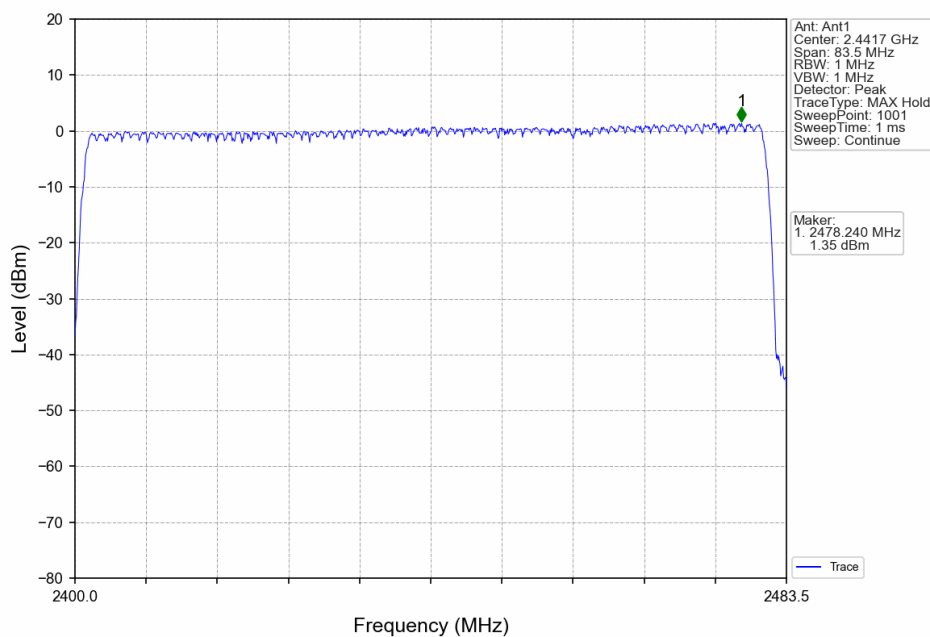


Pi4DQPSK_2DH5_HOPP_Ant1_NTNV

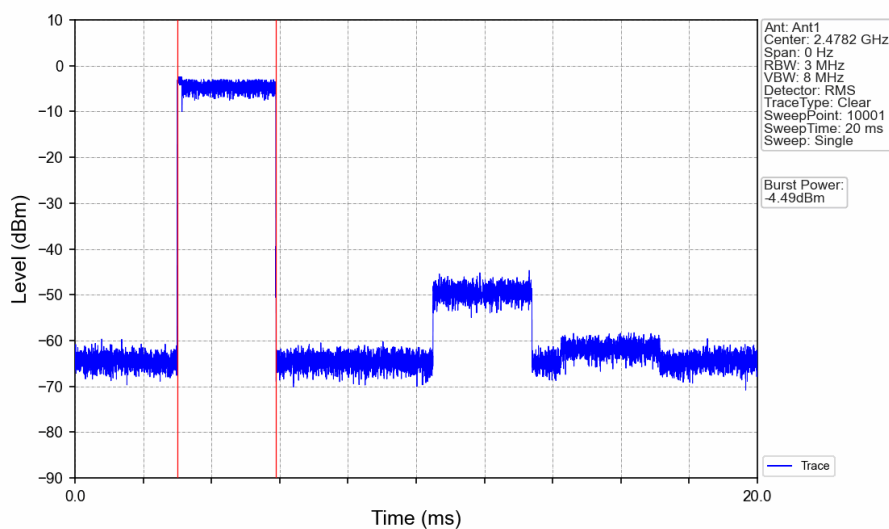


Burst No.	1
Length (ms)	2.892
Power(dBm)	-4.49
Remark	Max

Pi/4DQPSK_2DH5_HOPP20_Ant1_NTNV

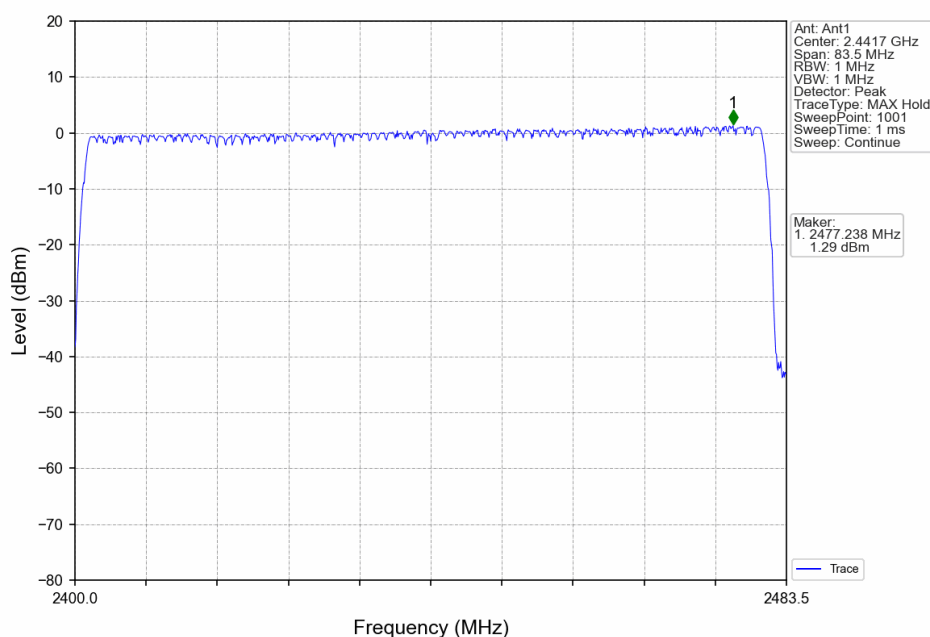


Pi/4DQPSK_2DH5_HOPP20_Ant1_NTNV

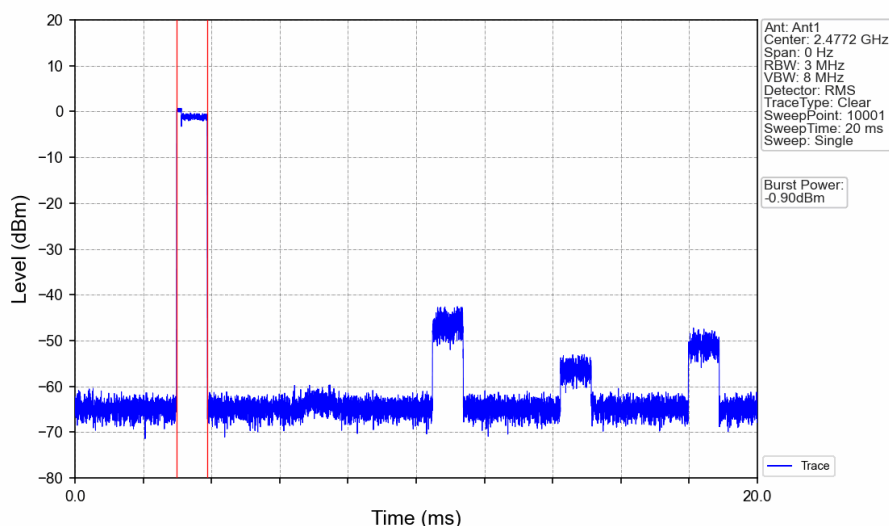


Burst No.	1
Length (ms)	2.892
Power(dBm)	-4.49
Remark	Max

8DPSK_3DH5_HOPP_Ant1_NTNV

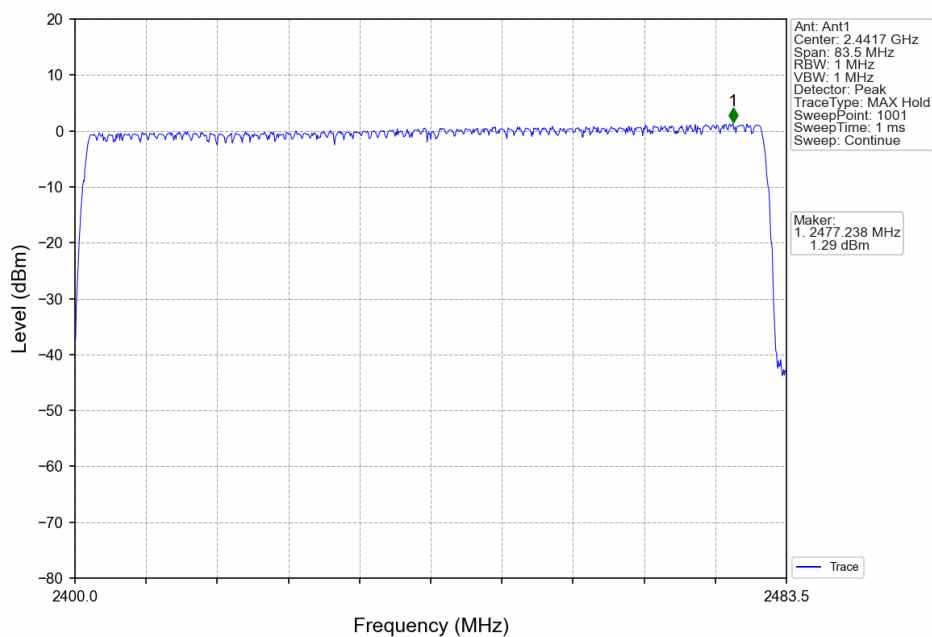


8DPSK_3DH5_HOPP_Ant1_NTNV

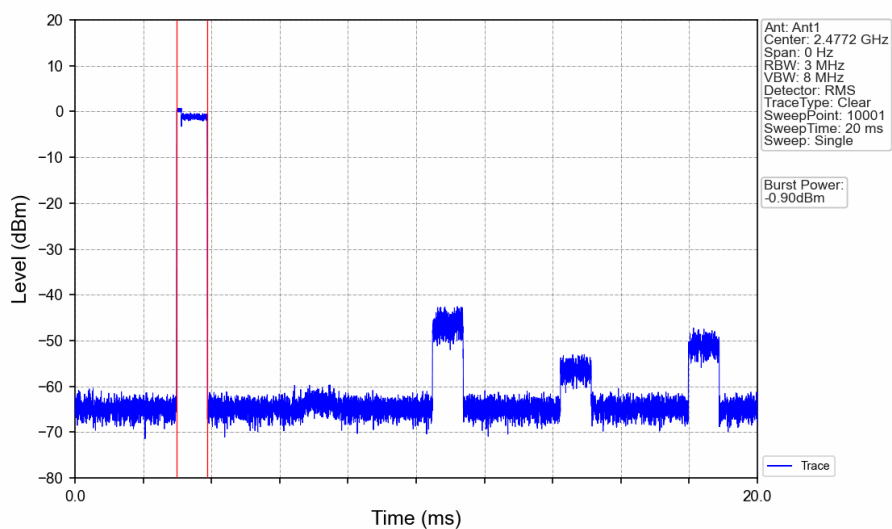


Burst No.	1
Length (ms)	0.898
Power(dBm)	-0.90
Remark	Max

8DPSK_3DH5_HOPP20_Ant1_NTNV

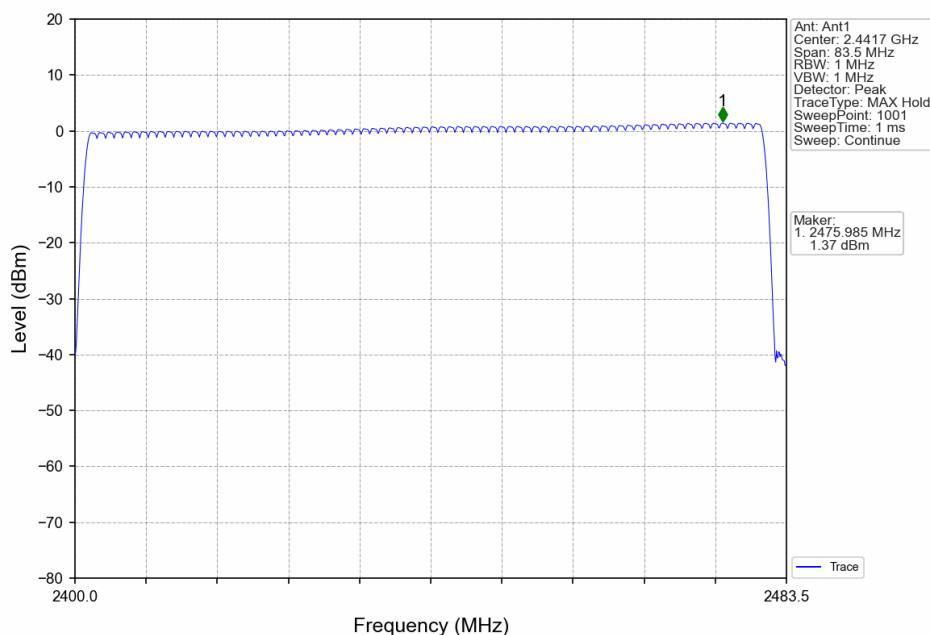


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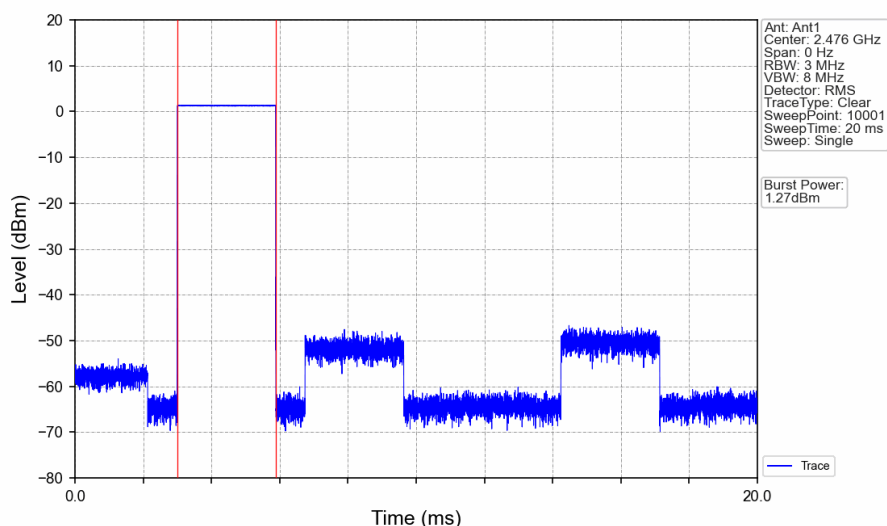


Burst No.	1
Length (ms)	0.898
Power(dBm)	-0.90
Remark	Max

GFSK DH5 HOPP Ant1 NTLV

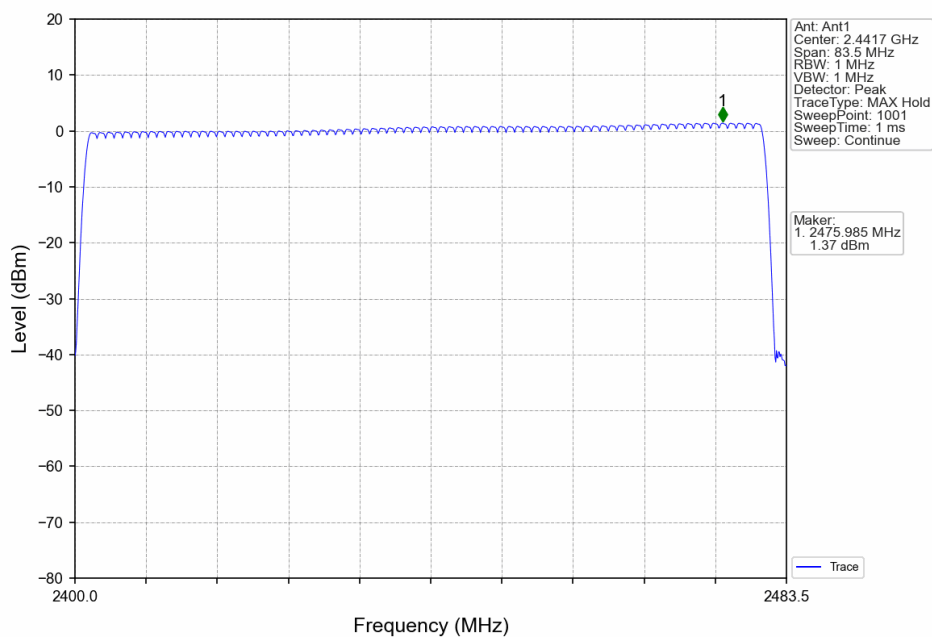


GFSK DH5 HOPP Ant1 NTLV

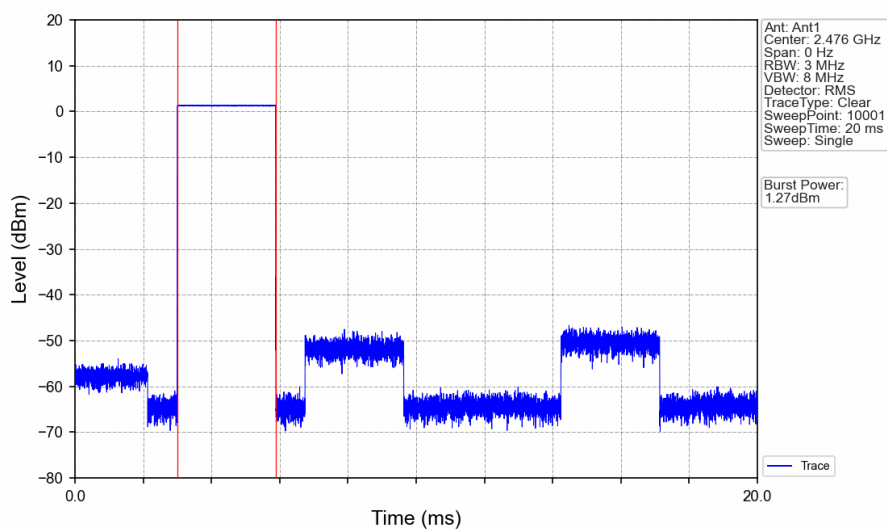


Burst No.	1
Length (ms)	2.886
Power(dBm)	1.27
Remark	Max

GFSK_DH5_HOPP20_Ant1_NTLV

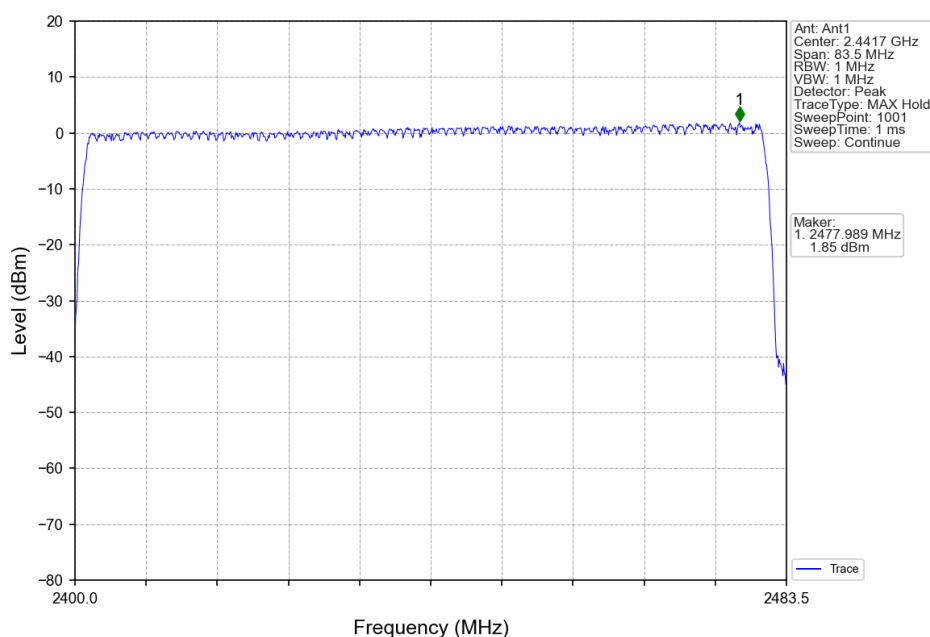


GFSK_DH5_HOPP20_Ant1_NTLV

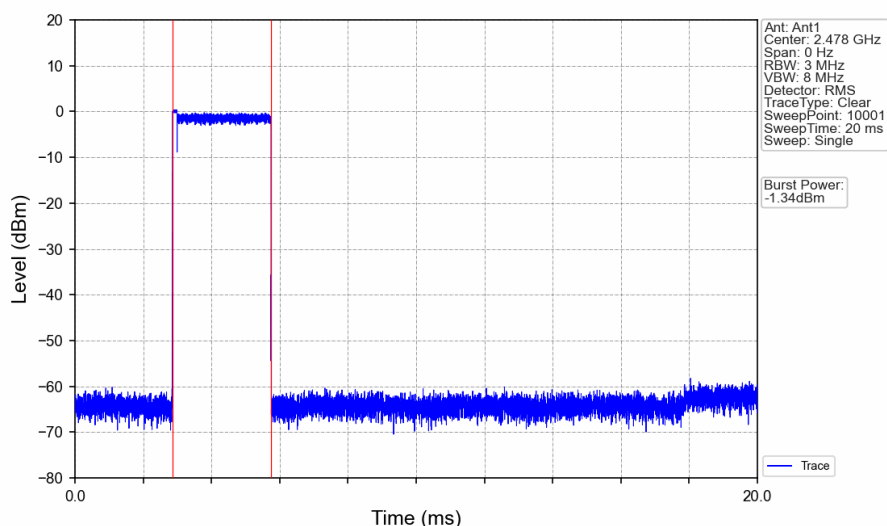


Burst No.	1
Length (ms)	2.886
Power(dBm)	1.27
Remark	Max

Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV

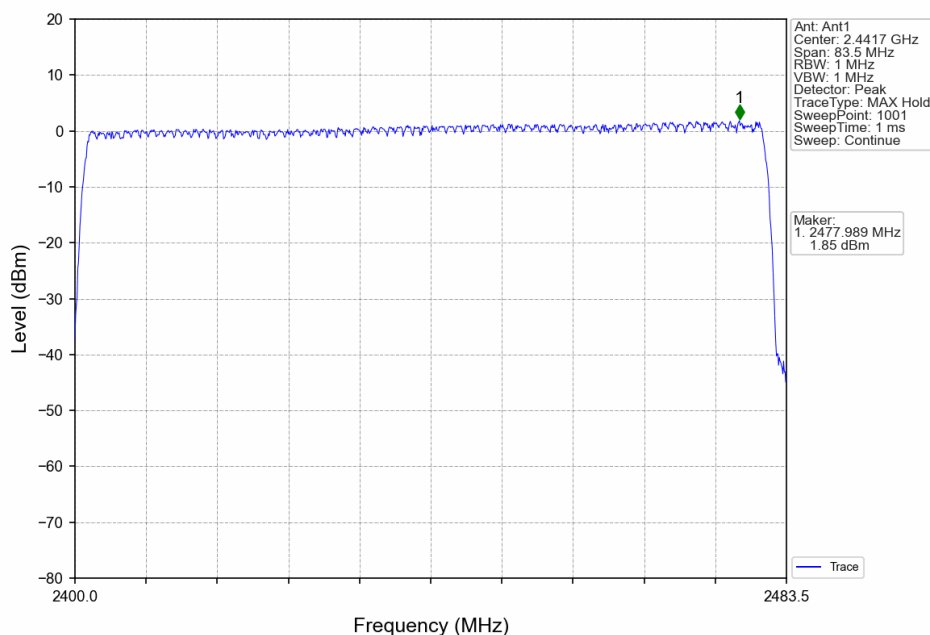


Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV

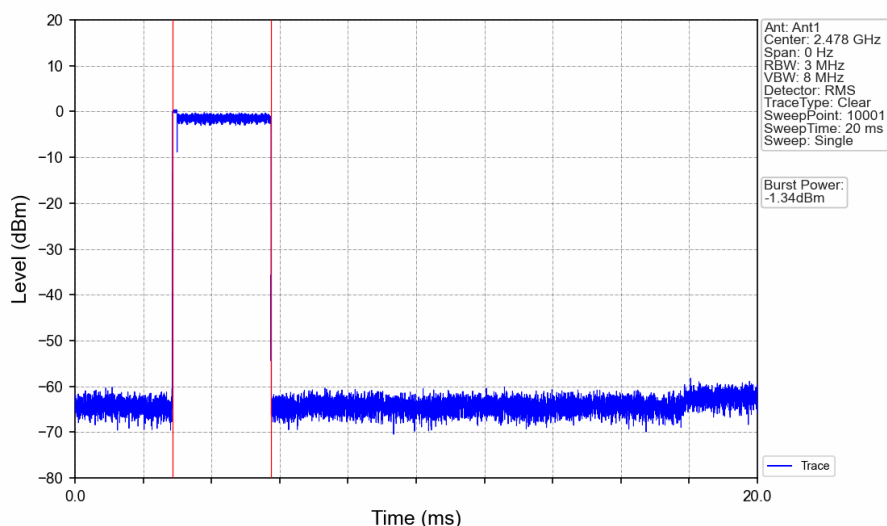


Burst No.	1
Length (ms)	2.892
Power(dBm)	-1.34
Remark	Max

Pi/4DQPSK_2DH5_HOPP20_Ant1_NTLV

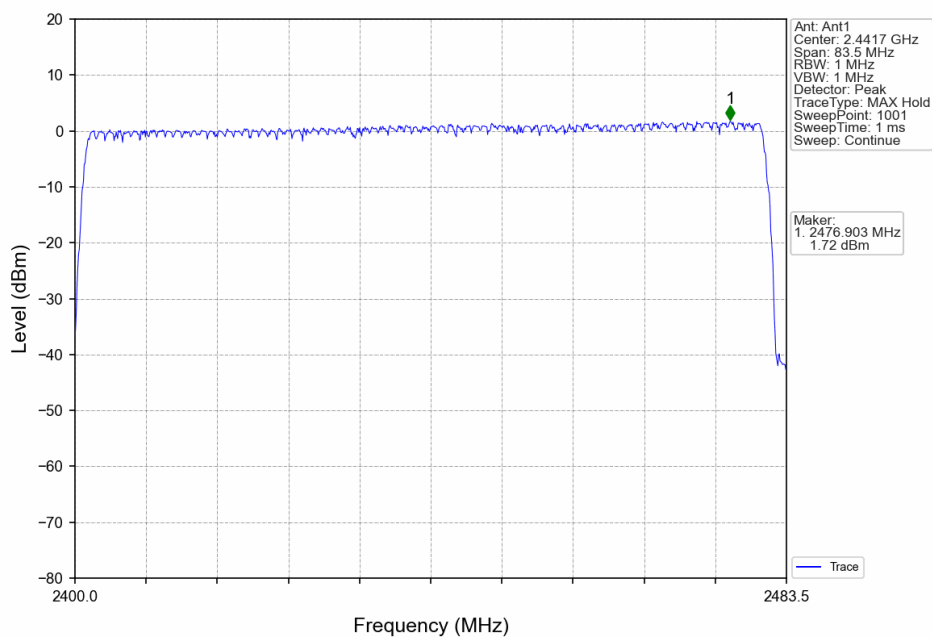


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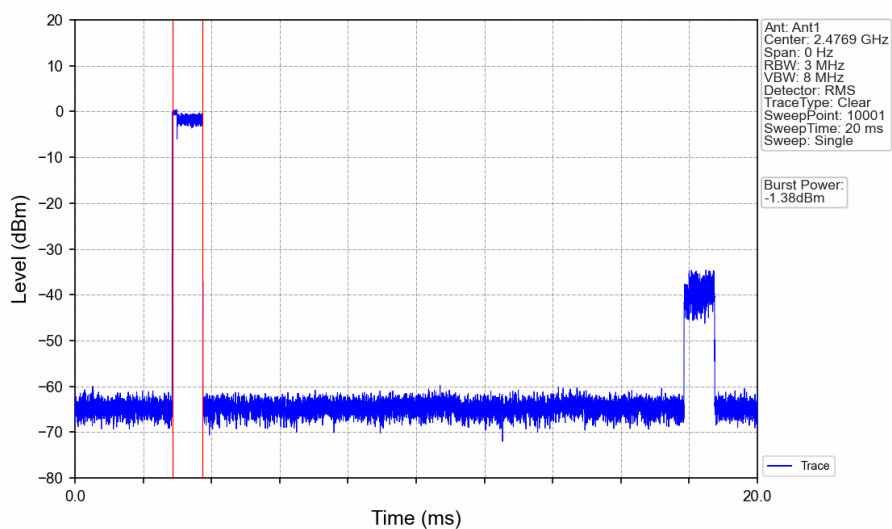


Burst No.	1
Length (ms)	2.892
Power (dBm)	-1.34
Remark	Max

8DPSK_3DH5_HOPP_Ant1_NTLV

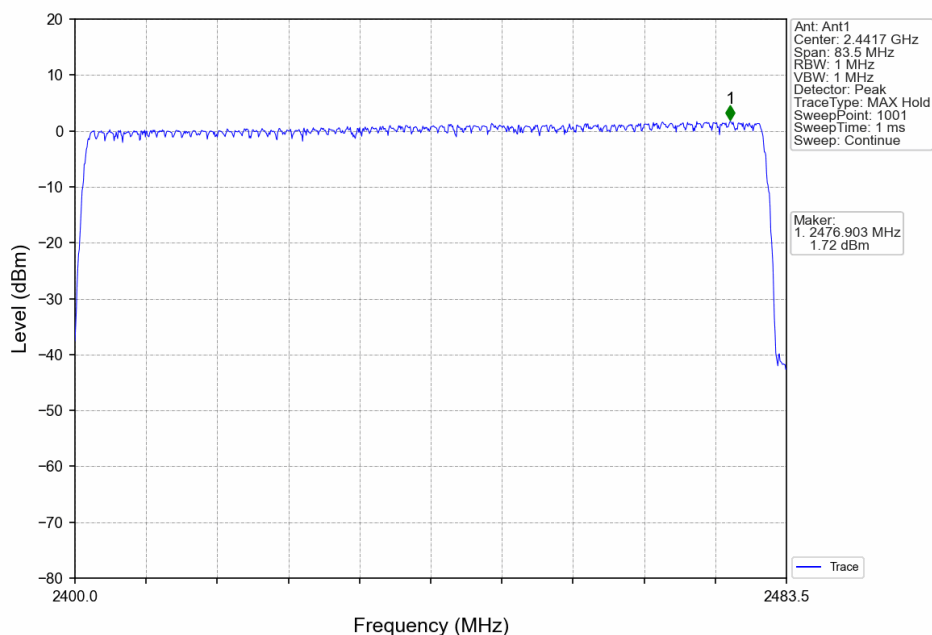


8DPSK_3DH5_HOPP_Ant1_NTLV

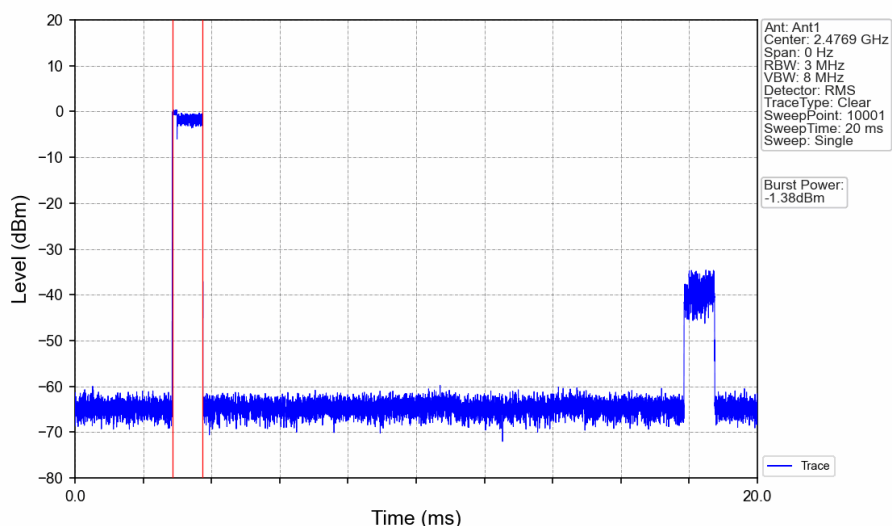


Burst No.	1
Length (ms)	0.896
Power(dBm)	-1.38
Remark	Max

8DPSK_3DH5_HOPP20_Ant1_NTLV

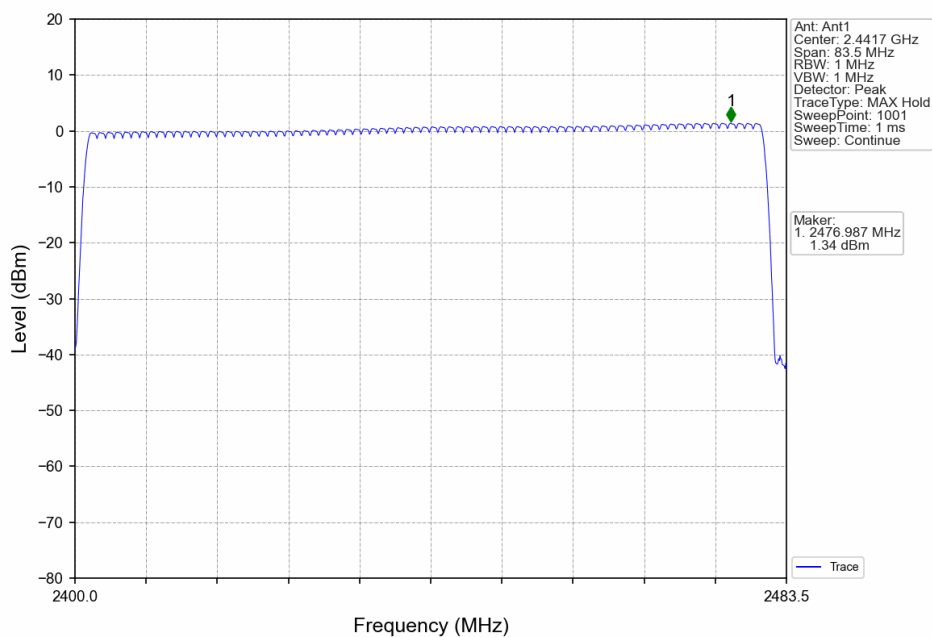


8DPSK_3DH5_HOPP20_Ant1_NTLV

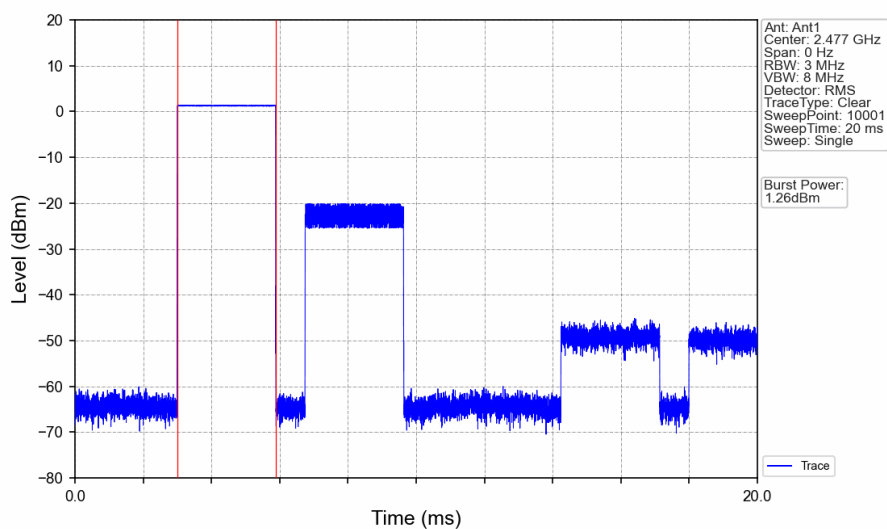


Burst No.	1
Length (ms)	0.896
Power(dBm)	-1.38
Remark	Max

GFSK DH5_HOPP_Ant1_NTHV

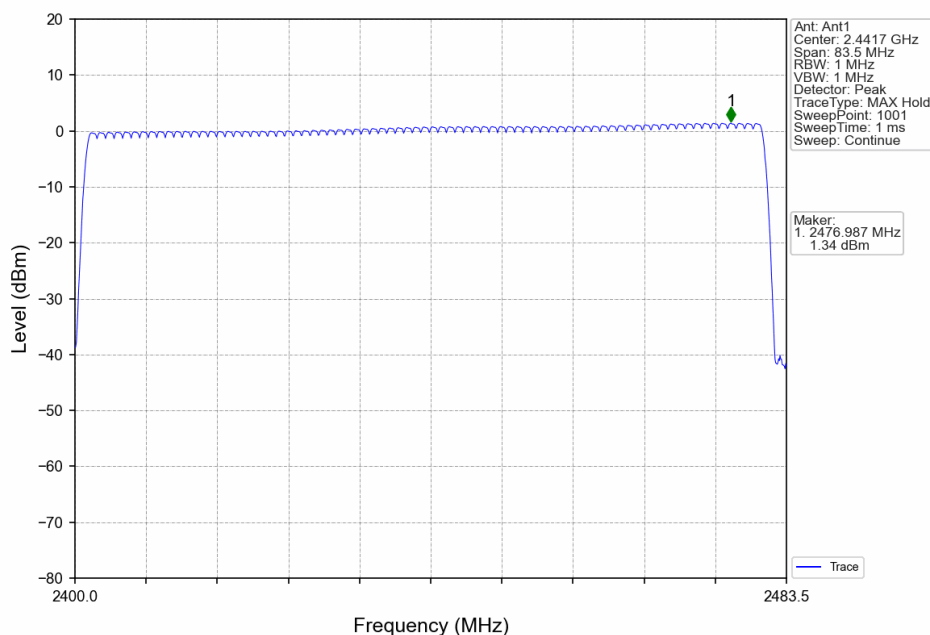


GFSK DH5_HOPP_Ant1_NTHV

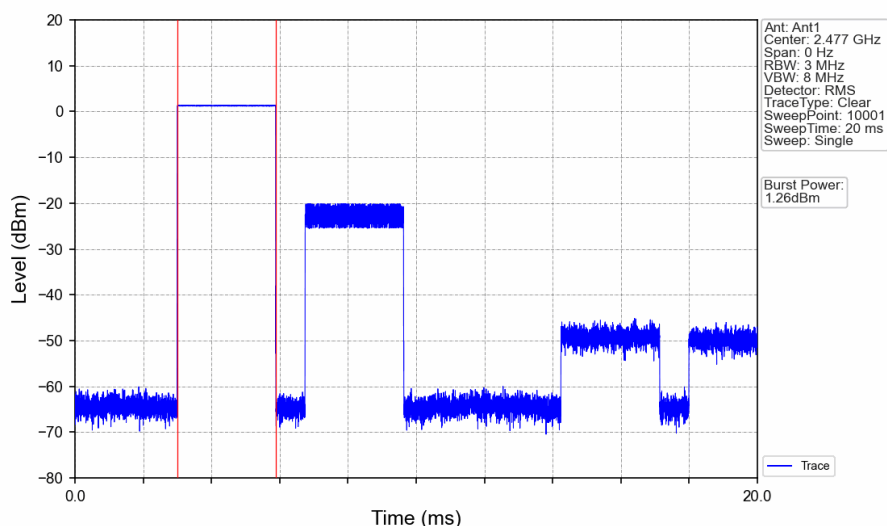


Burst No.	1
Length (ms)	2.886
Power(dBm)	1.26
Remark	Max

GFSK_DH5_HOPP20_Ant1_NTHV

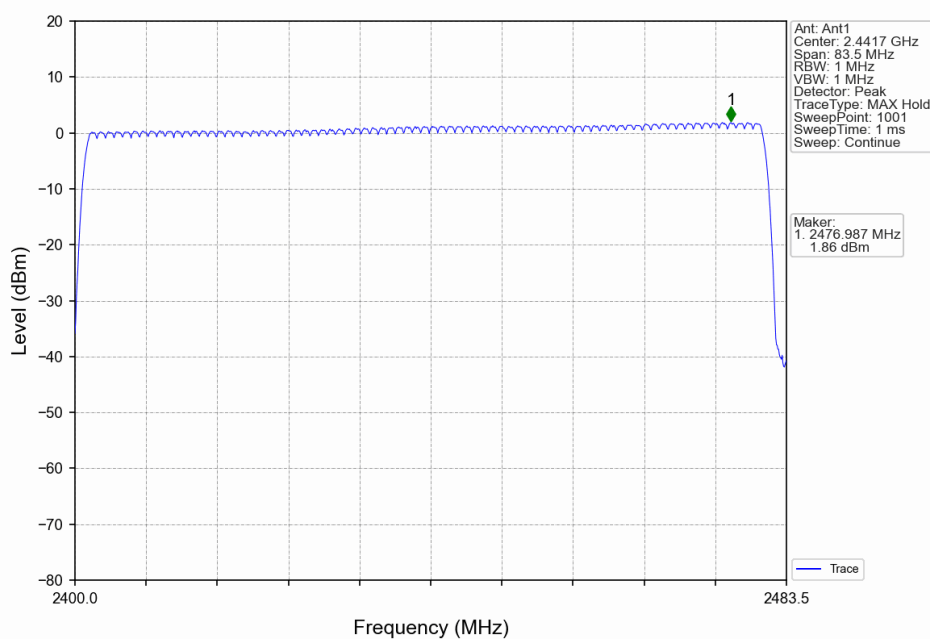


GFSK_DH5_HOPP20_Ant1_NTHV

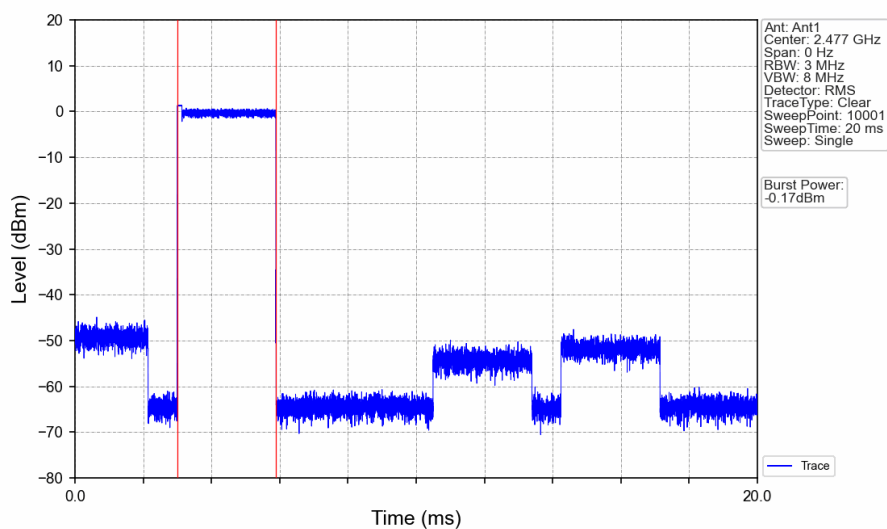


Burst No.	1
Length (ms)	2.886
Power(dBm)	1.26
Remark	Max

Pi4DQPSK_2DH5_HOPP_Ant1_NTHV

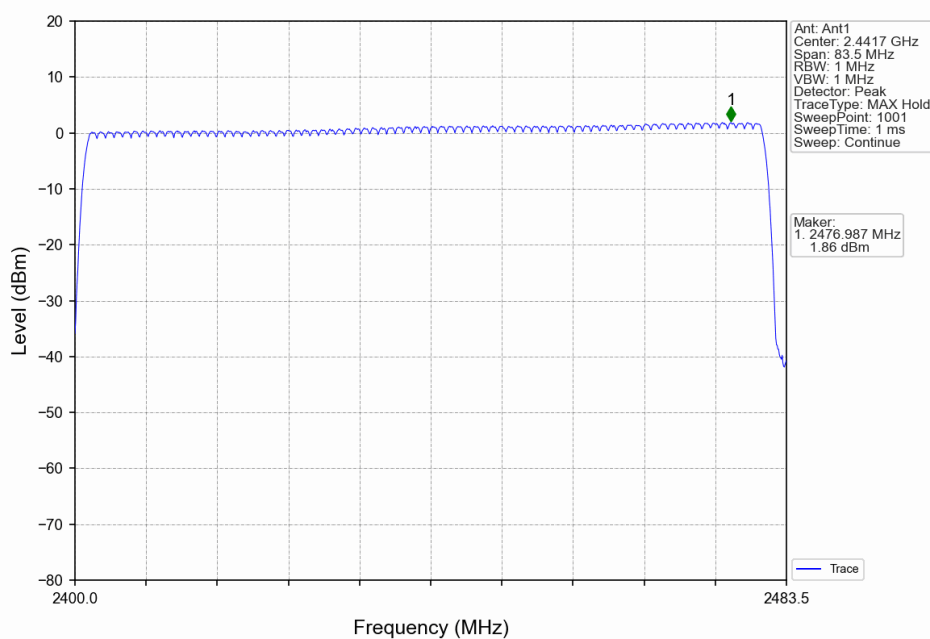


Pi4DQPSK_2DH5_HOPP_Ant1_NTHV

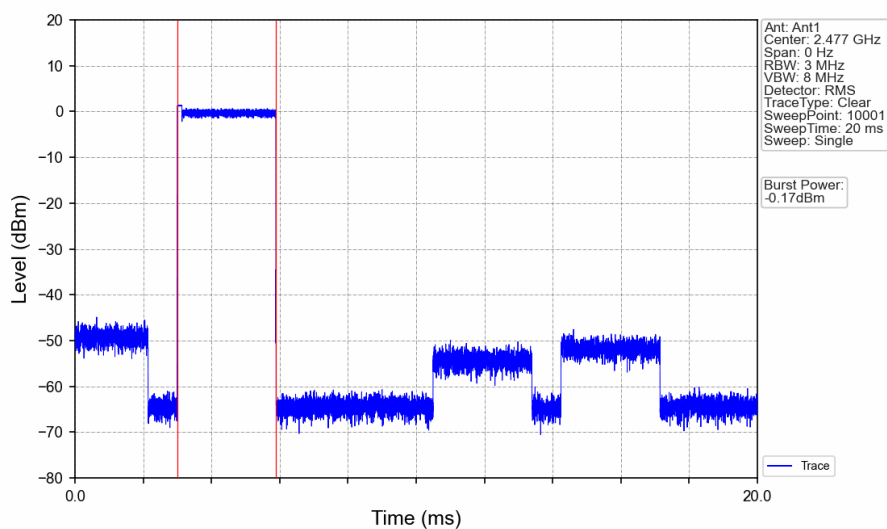


Burst No.	1
Length (ms)	2.892
Power(dBm)	-0.17
Remark	Max

Pi/4DQPSK_2DH5_HOPP20_Ant1_NTHV

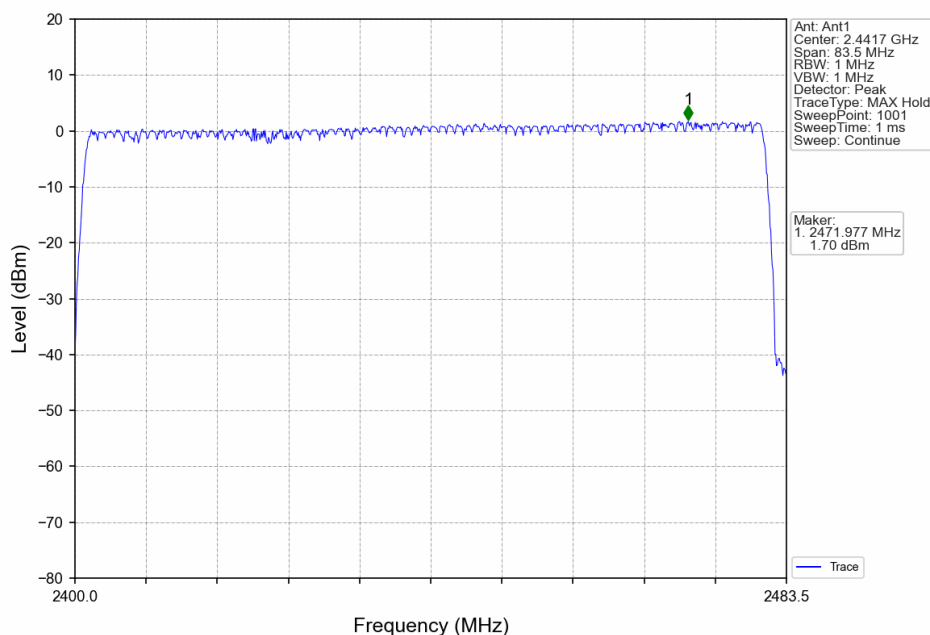


Pi/4DQPSK_2DH5_HOPP20_Ant1_NTHV

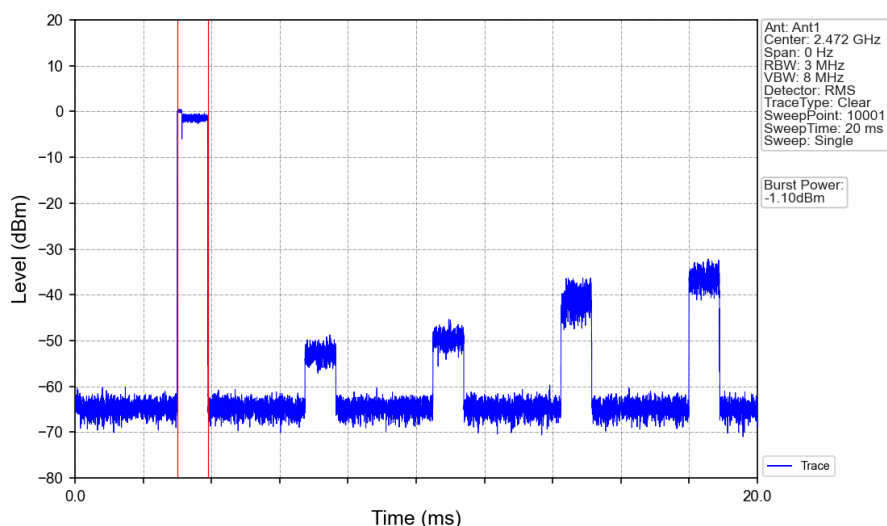


Burst No.	1
Length (ms)	2.892
Power(dBm)	-0.17
Remark	Max

8DPSK_3DH5_HOPP_Ant1_NTHV

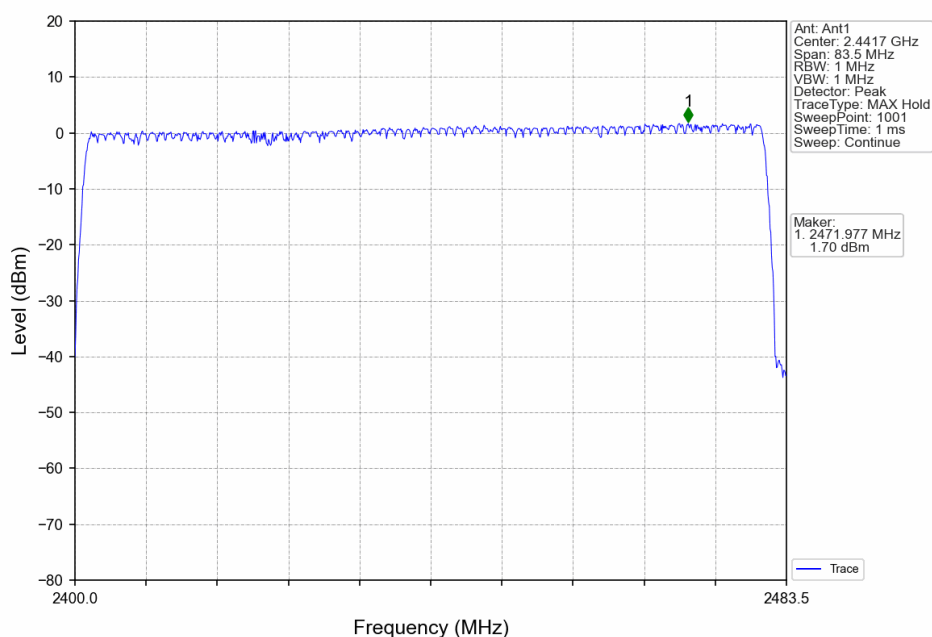


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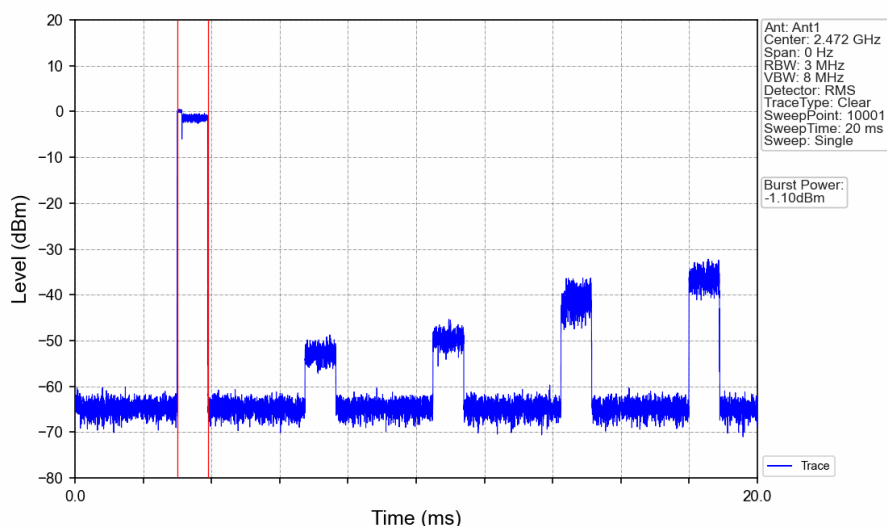


Burst No.	1
Length (ms)	0.896
Power(dBm)	-1.10
Remark	Max

8DPSK_3DH5_HOPP20_Ant1_NTHV



8DPSK_3DH5_HOPP20_Ant1_NTHV



Burst No.	1
Length (ms)	0.896
Power(dBm)	-1.10
Remark	Max

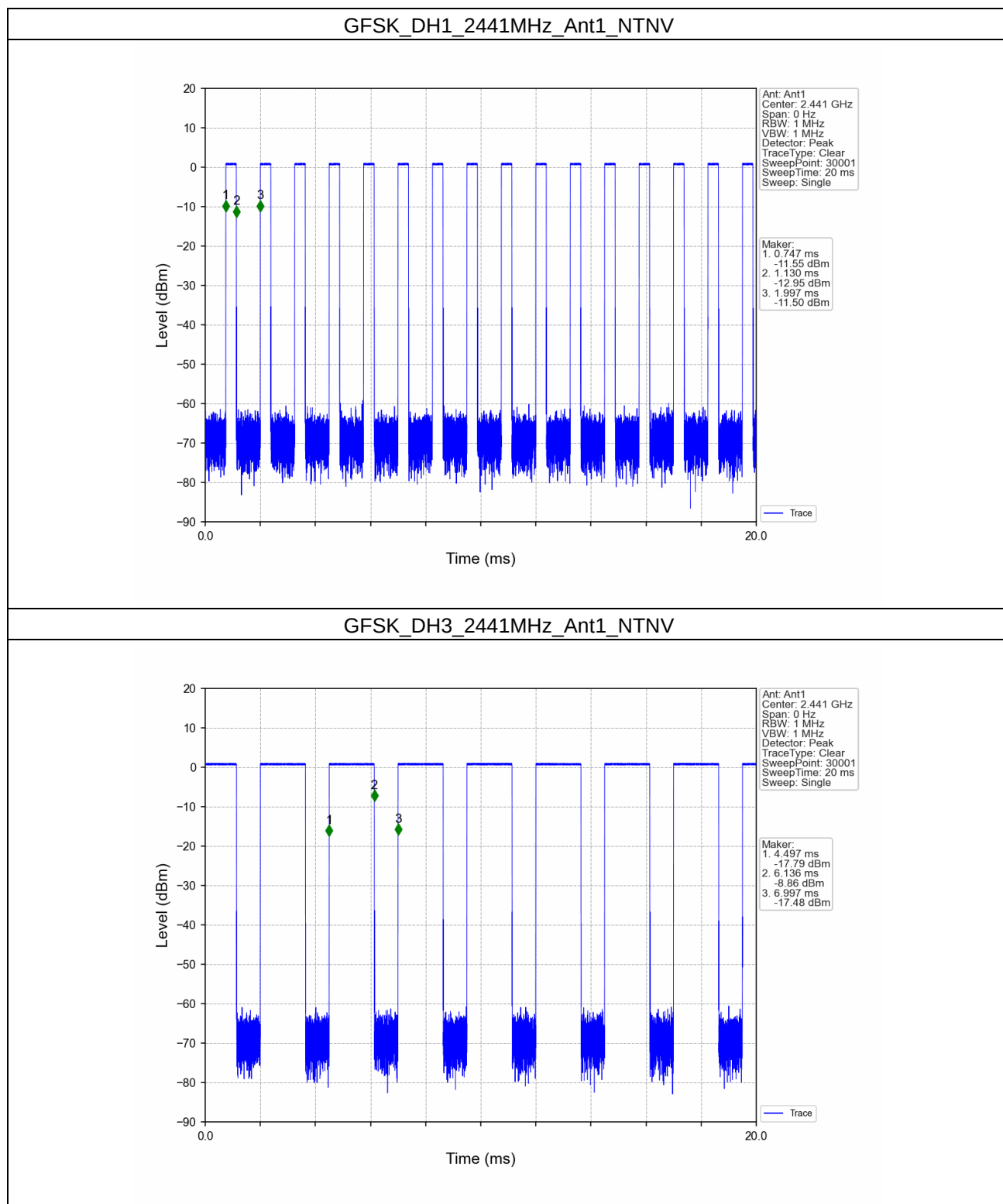
5. Dwell Time

5.1 Ant1

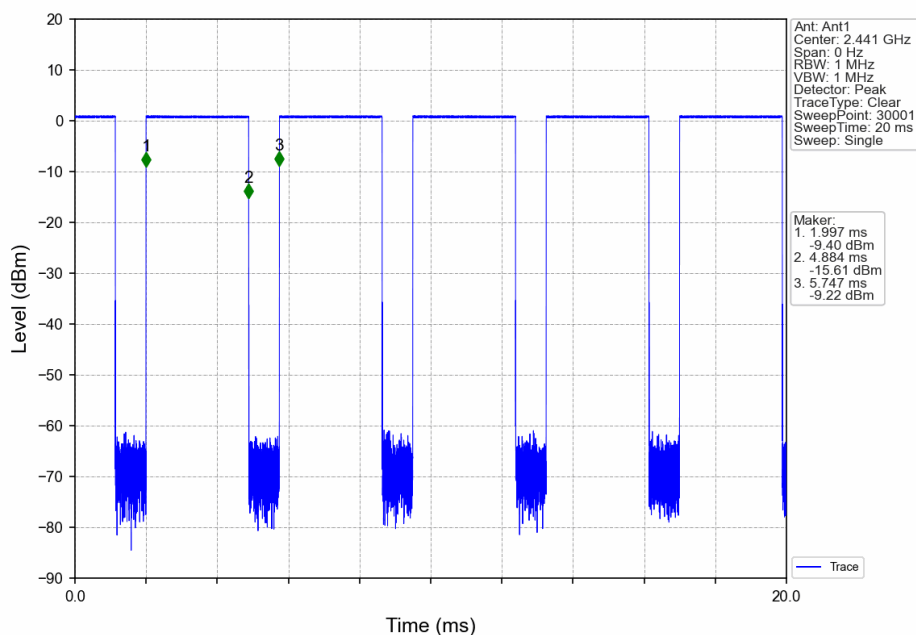
5.1.1 Test Result

Ant1											
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spreading Rate	T_on (ms)	Period (ms)	Hopp Number	Dwell Time (ms)		Verdict
									Result	Limit	
NTNV	GFSK	SISO	2441	DH1	71.522	0.383	1.250	79	110.959	<=400	Pass
				DH3	71.522	1.639	2.500	79	237.417	<=400	Pass
				DH5	71.522	2.887	3.750	79	278.797	<=400	Pass
	Pi/4DQPSK	SISO	2441	2DH1	71.641	0.393	1.250	79	114.045	<=400	Pass
				2DH3	71.641	1.645	2.500	79	238.682	<=400	Pass
				2DH5	71.641	2.892	3.750	79	279.745	<=400	Pass
	8DPSK	SISO	2441	3DH1	71.555	0.393	1.250	79	113.908	<=400	Pass
				3DH3	71.555	1.645	2.500	79	238.396	<=400	Pass
				3DH5	71.555	2.893	3.750	79	279.505	<=400	Pass
NTLV	GFSK	SISO	2441	DH1	71.449	0.383	1.250	79	110.845	<=400	Pass
				DH3	71.449	1.638	2.500	79	237.030	<=400	Pass
				DH5	71.449	2.887	3.750	79	278.512	<=400	Pass
	Pi/4DQPSK	SISO	2441	2DH1	71.526	0.393	1.250	79	113.862	<=400	Pass
				2DH3	71.526	1.645	2.500	79	238.299	<=400	Pass
				2DH5	71.526	2.892	3.750	79	279.295	<=400	Pass
	8DPSK	SISO	2441	3DH1	71.549	0.393	1.250	79	113.899	<=400	Pass
				3DH3	71.549	1.645	2.500	79	238.376	<=400	Pass
				3DH5	71.549	2.892	3.750	79	279.385	<=400	Pass
NTHV	GFSK	SISO	2441	DH1	71.449	0.382	1.250	79	110.556	<=400	Pass
				DH3	71.449	1.638	2.500	79	237.030	<=400	Pass
				DH5	71.449	2.887	3.750	79	278.512	<=400	Pass
	Pi/4DQPSK	SISO	2441	2DH1	71.468	0.393	1.250	79	113.770	<=400	Pass
				2DH3	71.468	1.645	2.500	79	238.106	<=400	Pass
				2DH5	71.468	2.892	3.750	79	279.069	<=400	Pass
	8DPSK	SISO	2441	3DH1	71.528	0.393	1.250	79	113.865	<=400	Pass
				3DH3	71.528	1.644	2.500	79	238.161	<=400	Pass
				3DH5	71.528	2.893	3.750	79	279.400	<=400	Pass

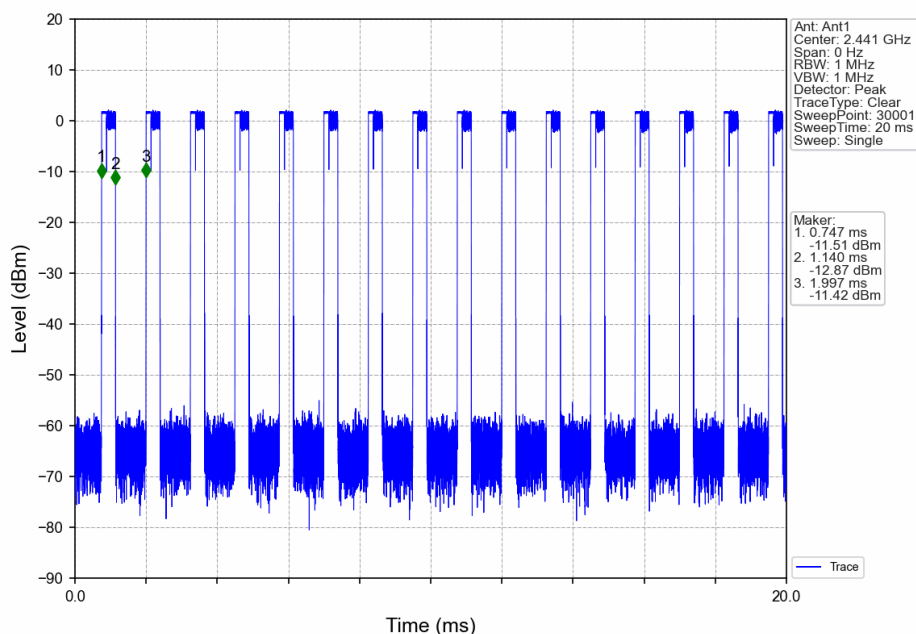
5.1.2 Test Graph



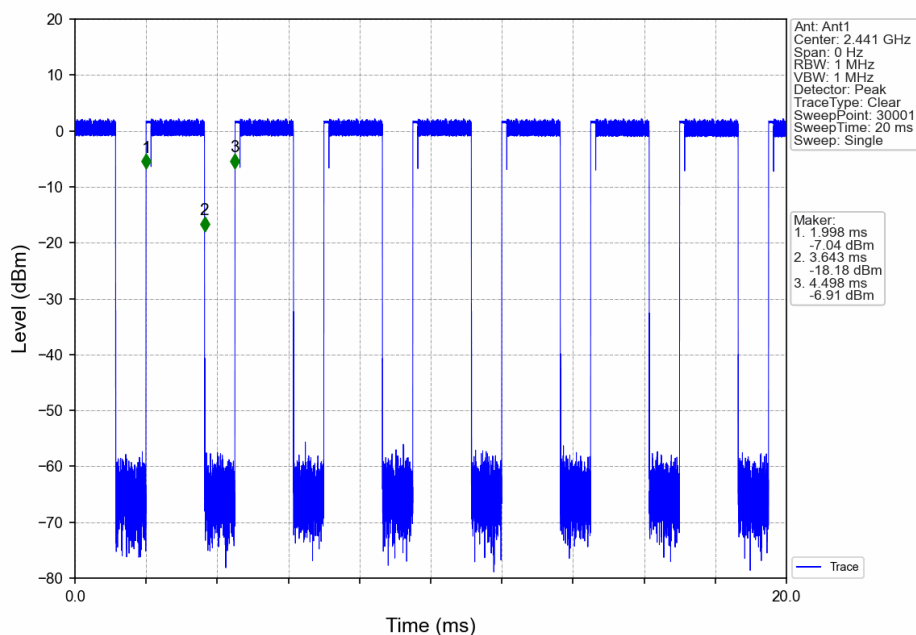
GFSK_DH5_2441MHz_Ant1_NTNV



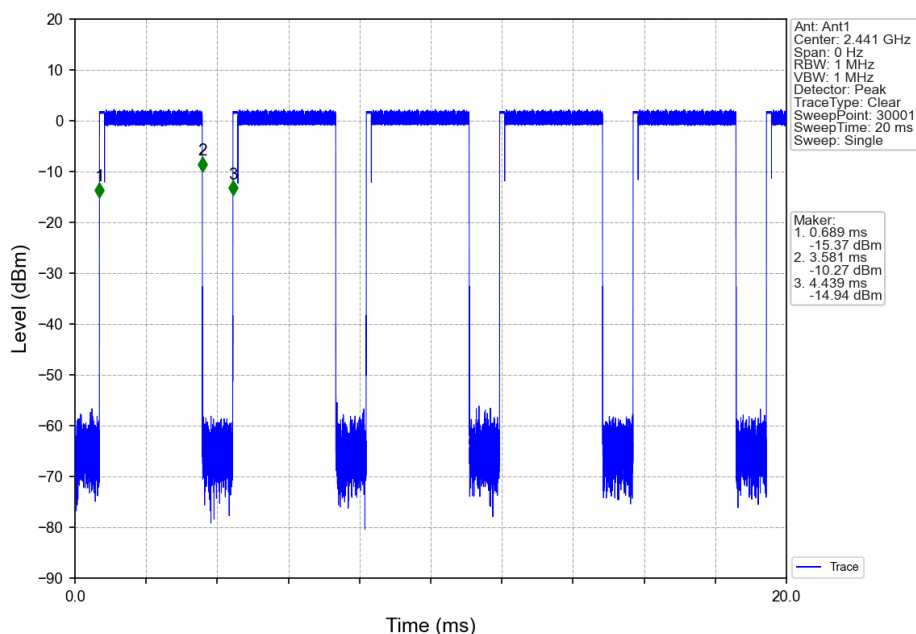
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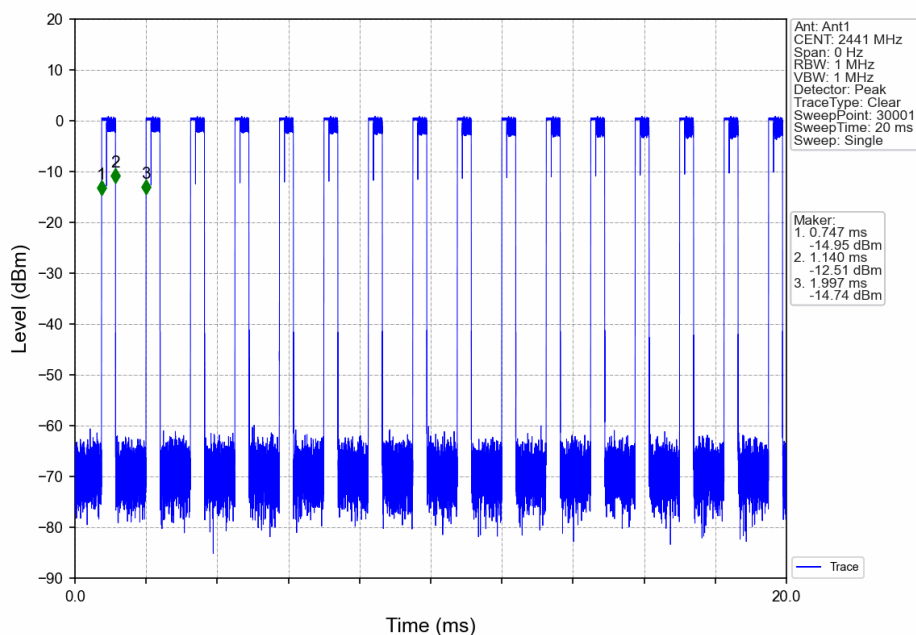
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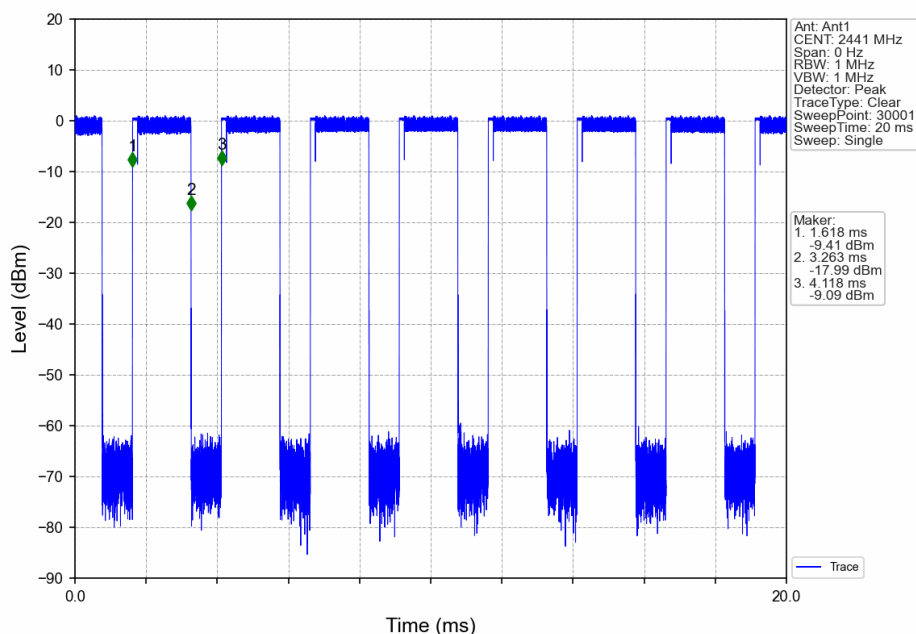
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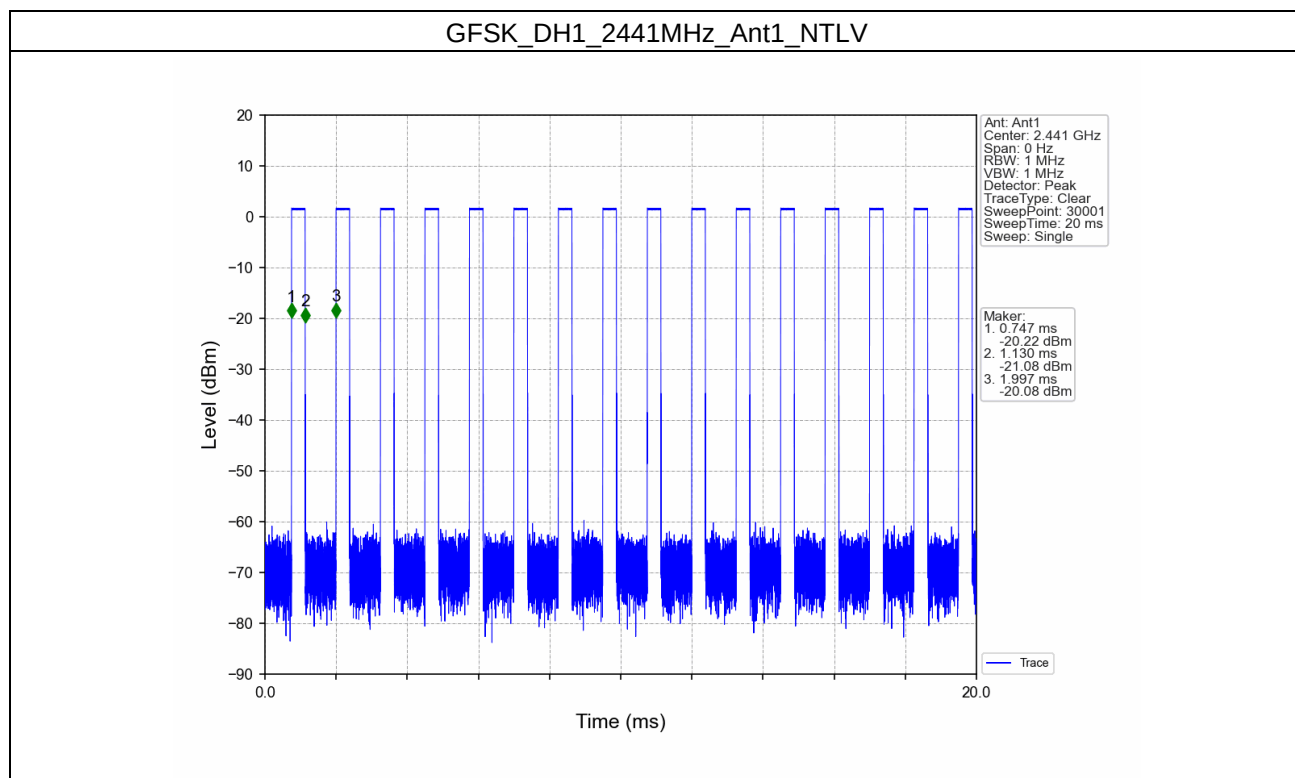
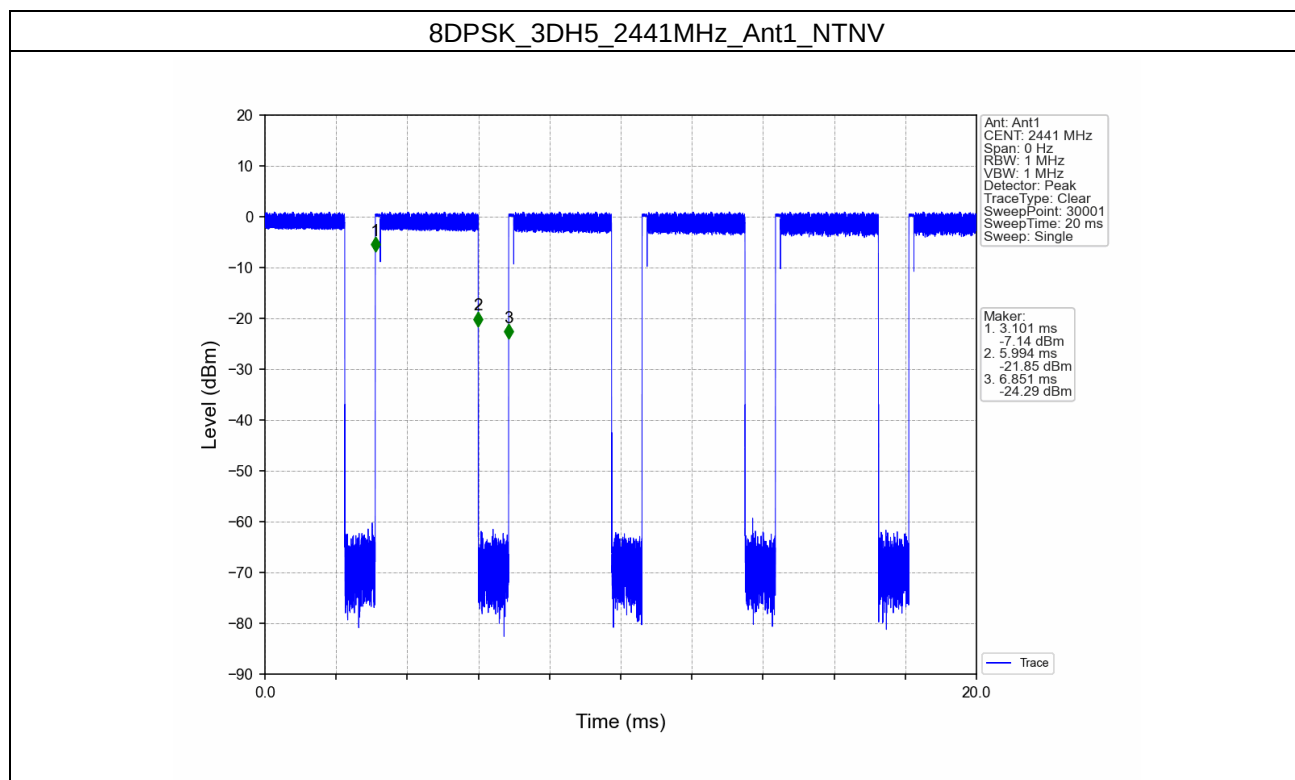


8DPSK_3DH1_2441MHz_Ant1_NTNV

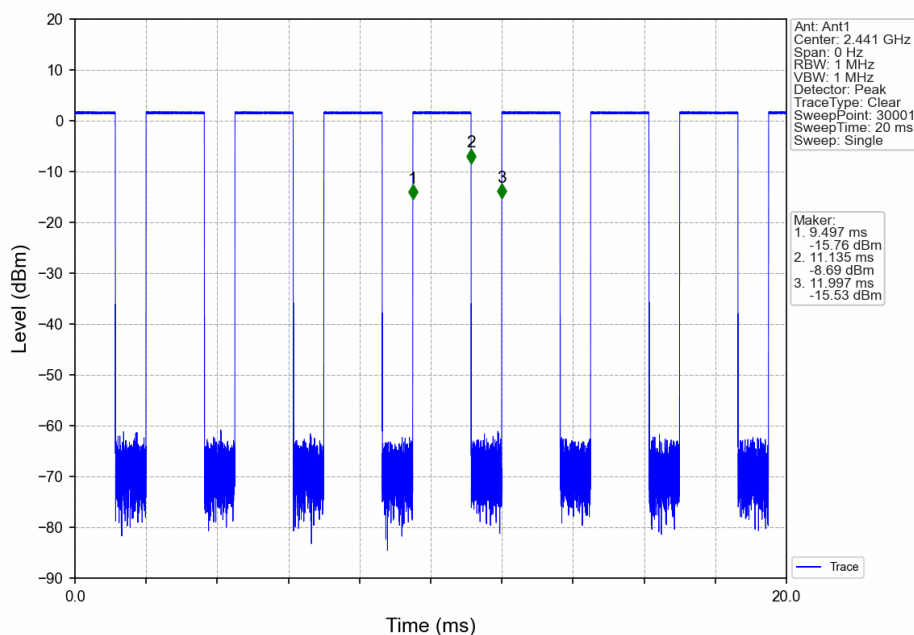


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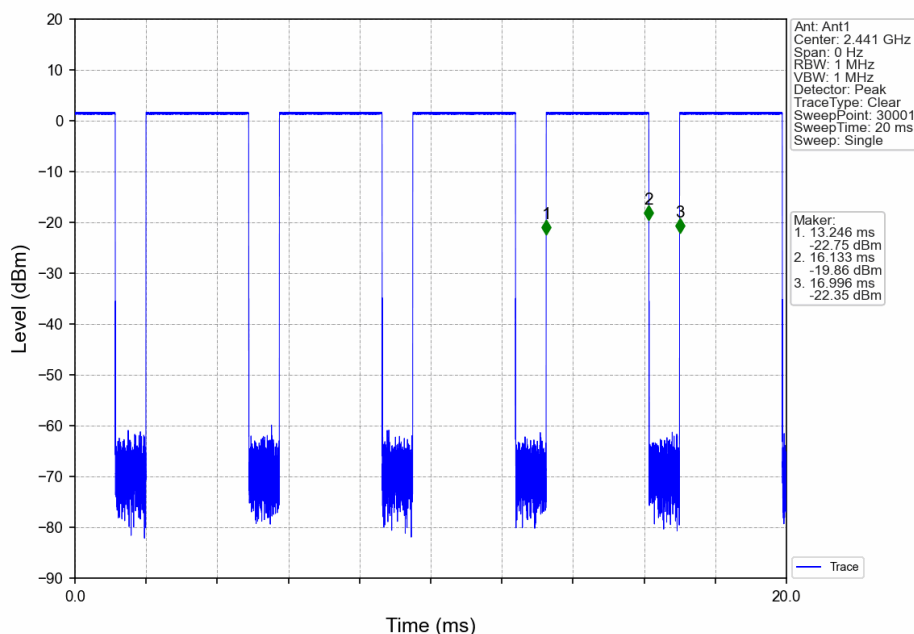




GFSK_DH3_2441MHz_Ant1_NTLV



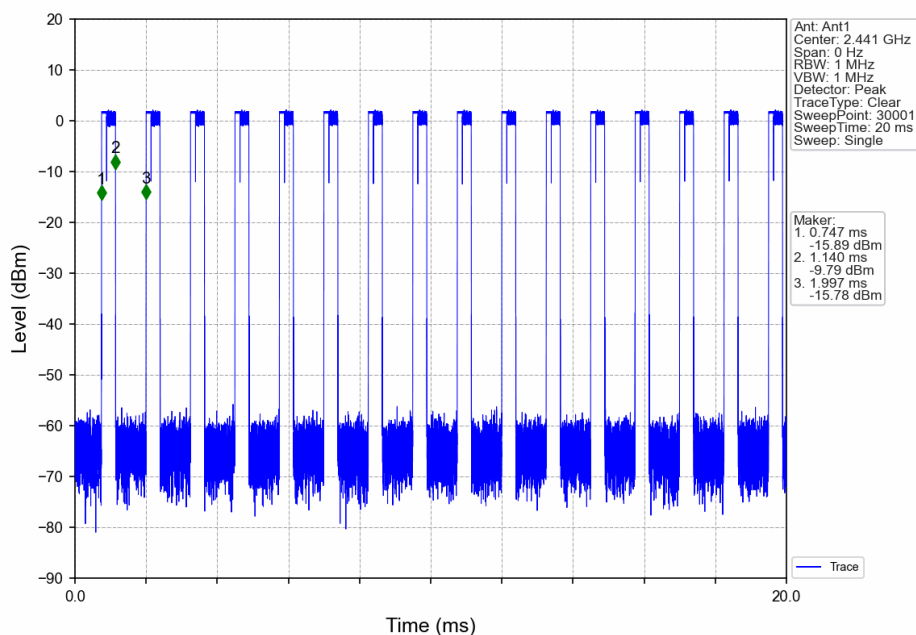
GFSK_DH5_2441MHz_Ant1_NTLV



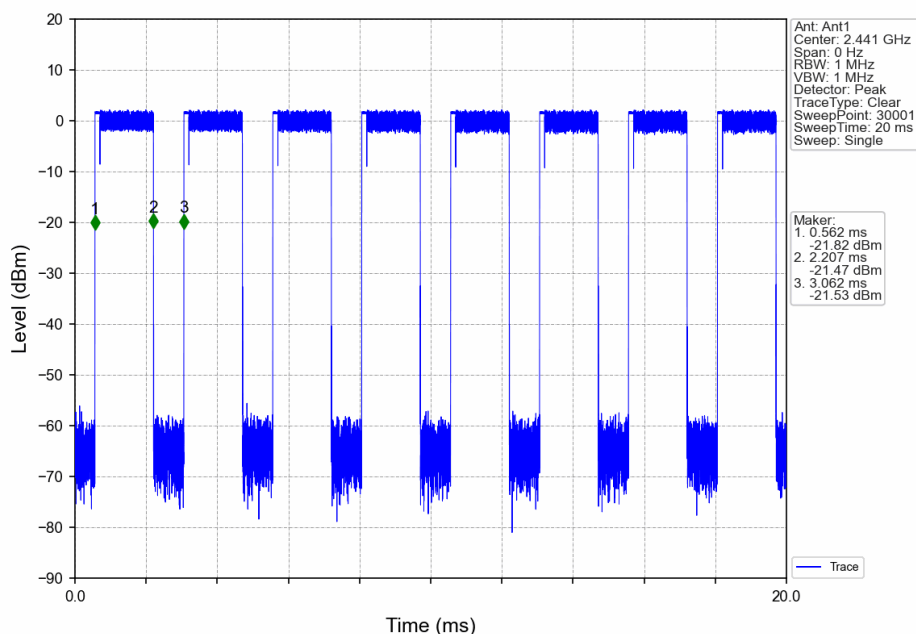
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Pi/4DQPSK_2DH1_2441MHz_Ant1_NTLV



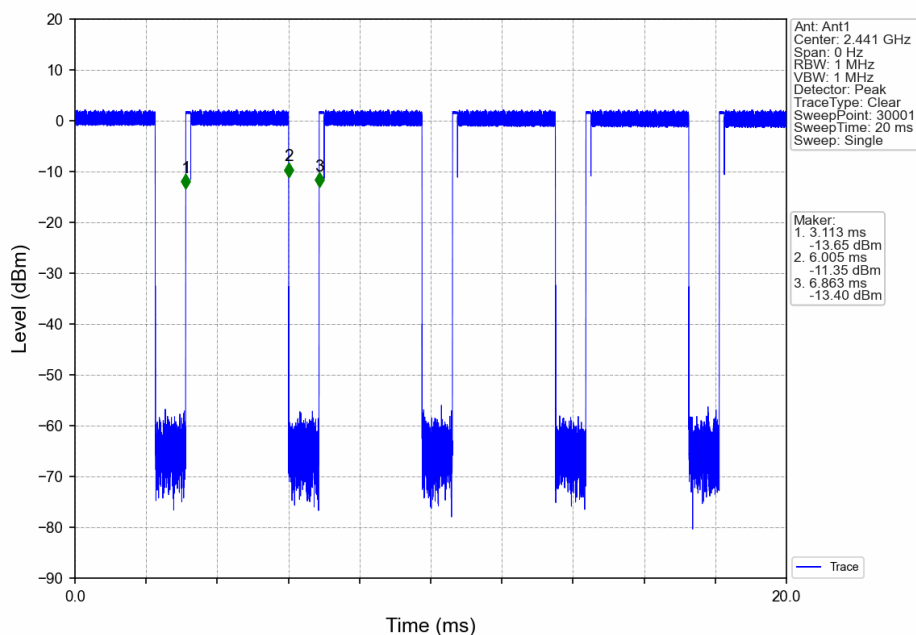
Pi/4DQPSK_2DH3_2441MHz_Ant1_NTLV



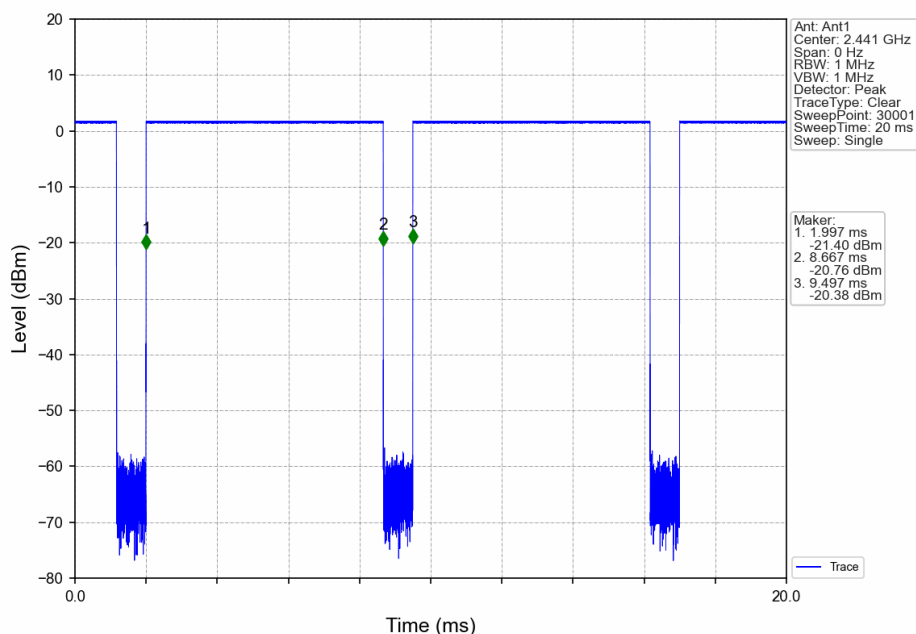
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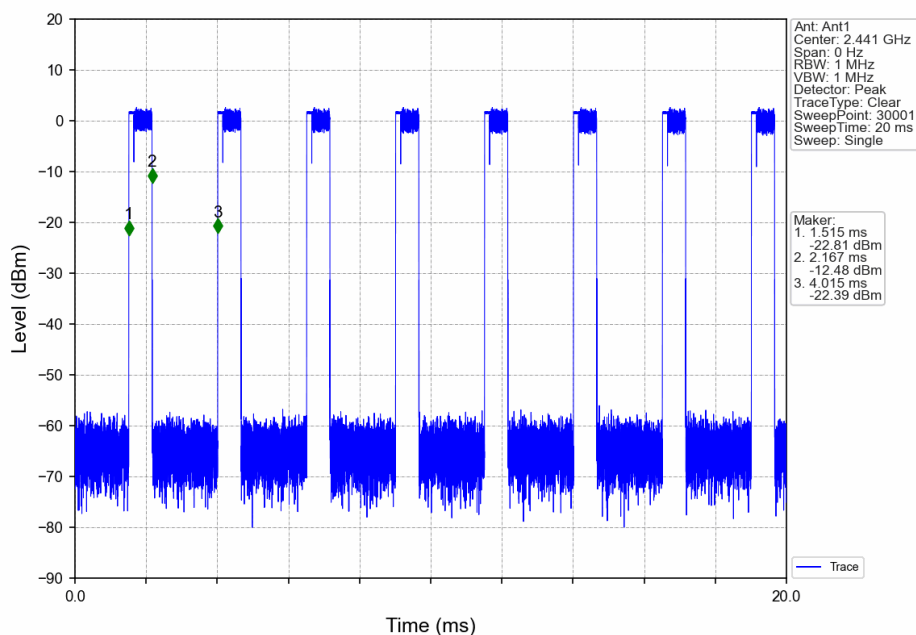
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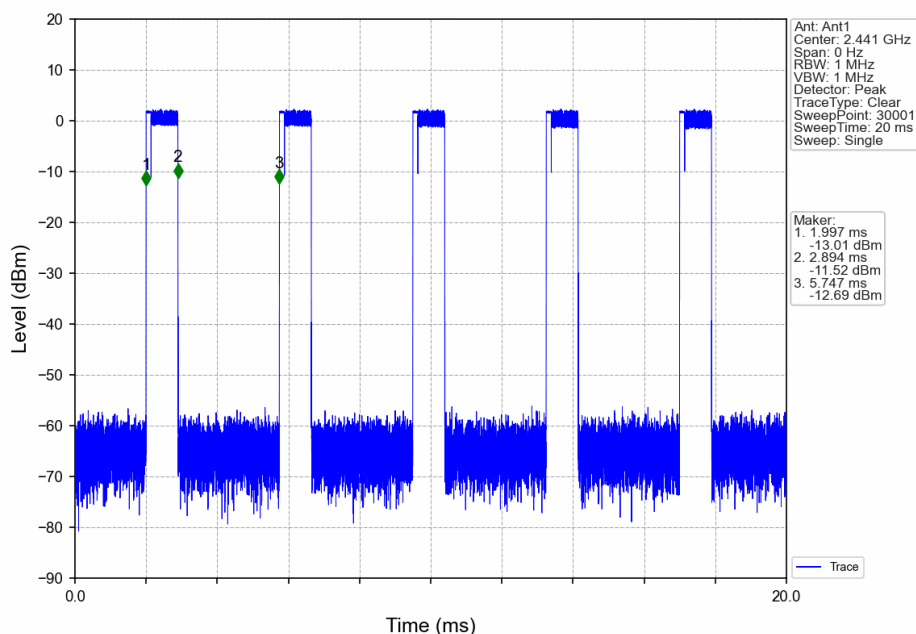
8DPSK_3DH1_2441MHz_Ant1_NTLV



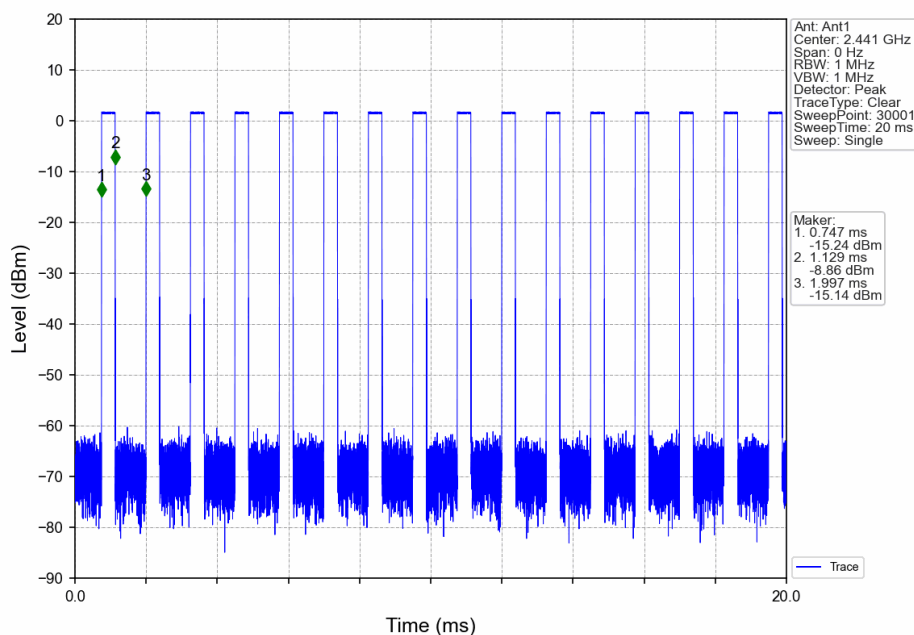
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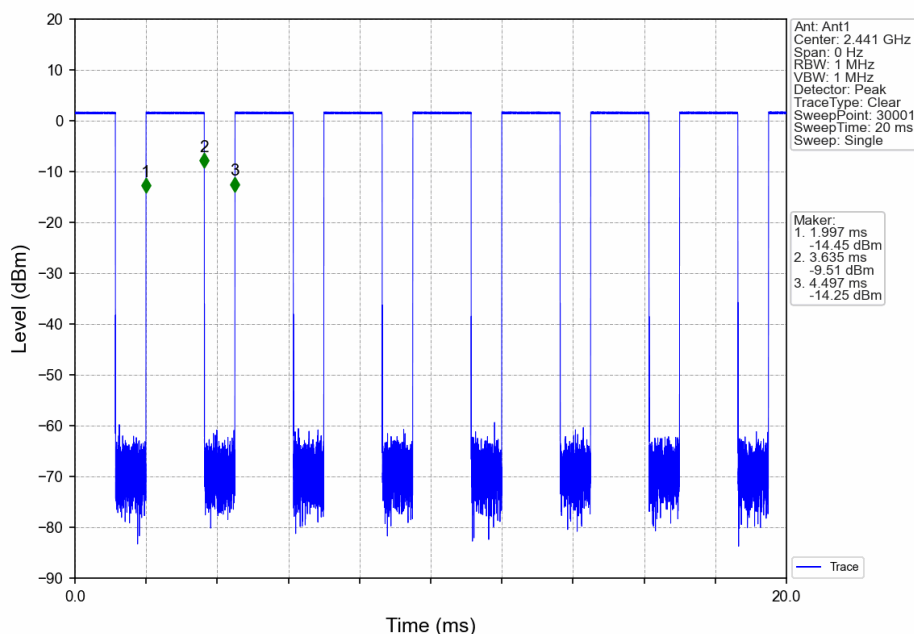
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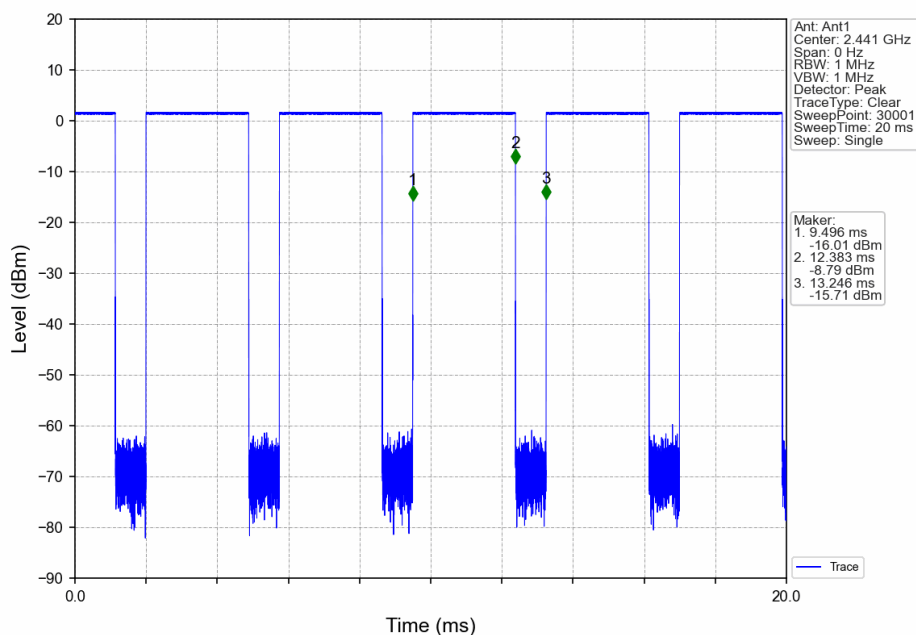
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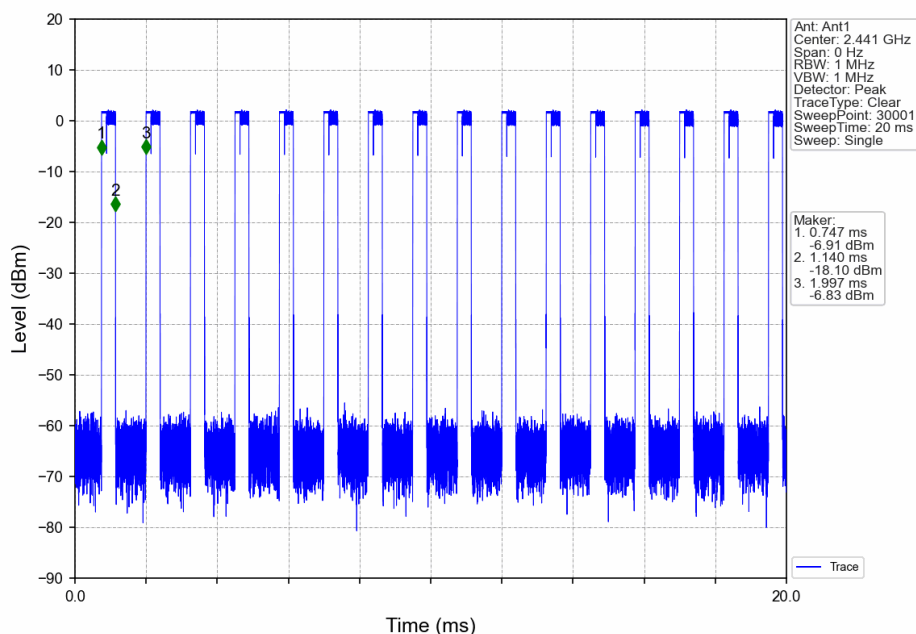
GFSK_DH3_2441MHz_Ant1_NTHV



GFSK_DH5_2441MHz_Ant1_NTHV



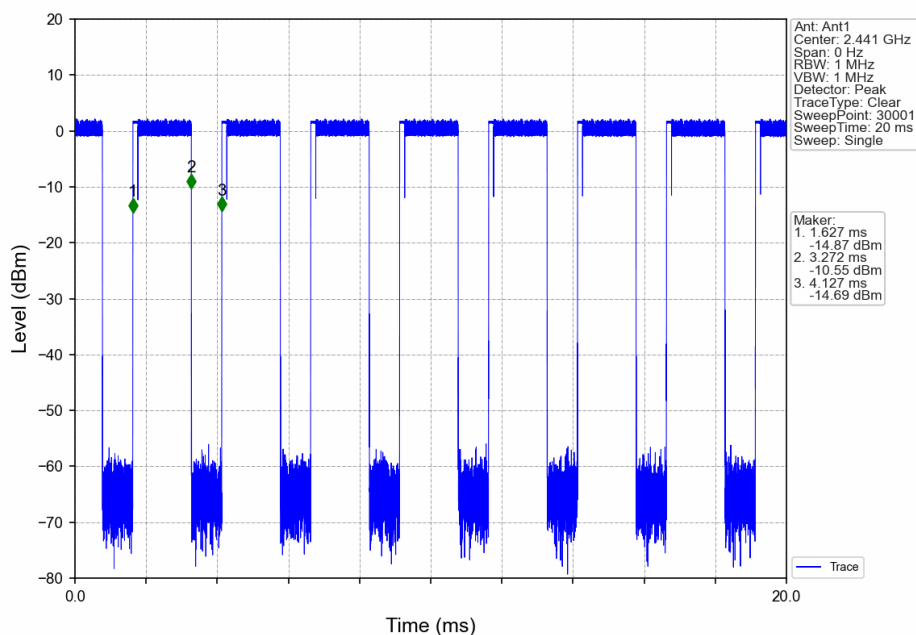
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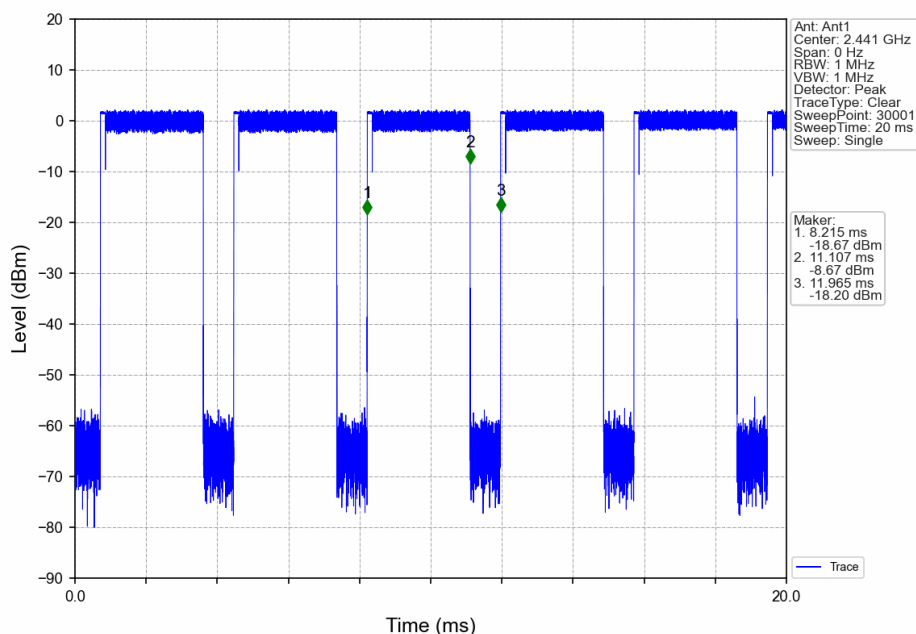
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Pi/4DQPSK_2DH3_2441MHz_Ant1_NTHV



Pi/4DQPSK_2DH5_2441MHz_Ant1_NTHV



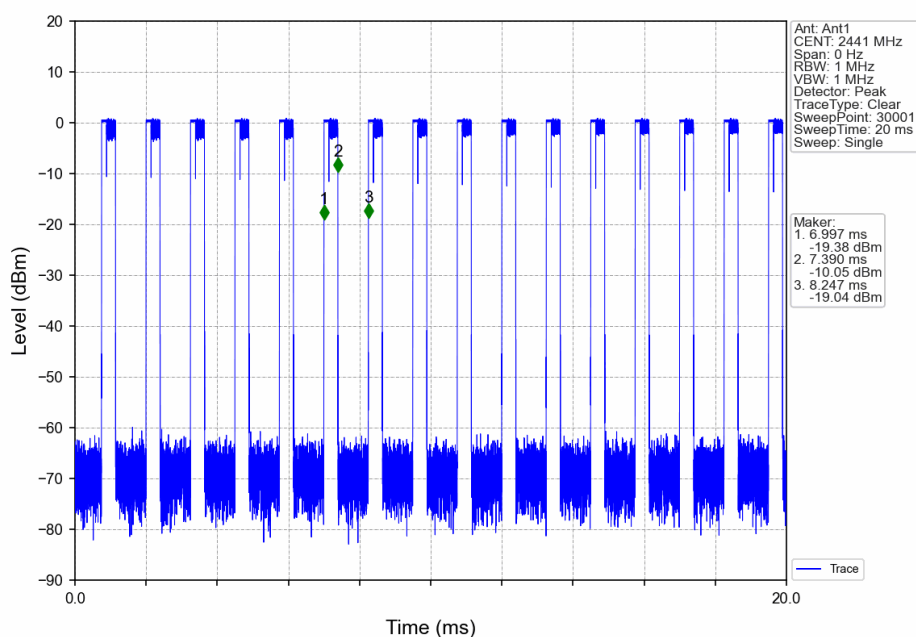
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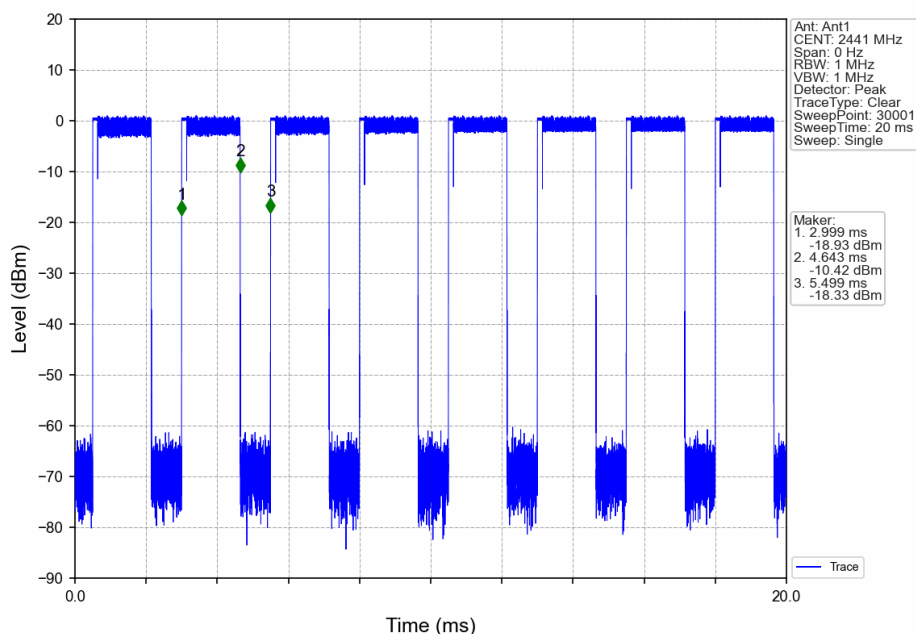
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Guangzhou Branch Technical Services EEC Laboratory

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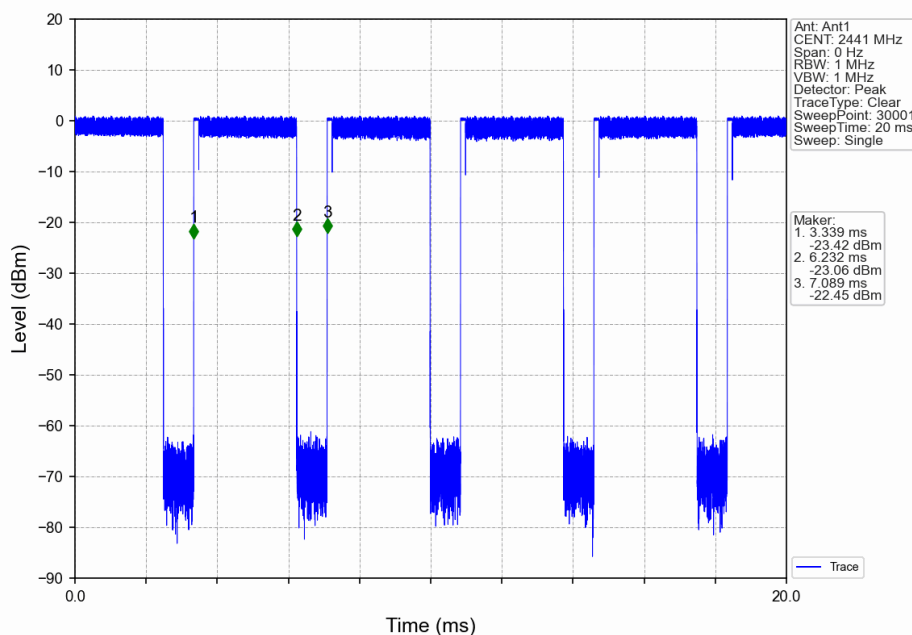
8DPSK_3DH1_2441MHz_Ant1_NTHV



8DPSK_3DH3_2441MHz_Ant1_NTHV



8DPSK_3DH5_2441MHz_Ant1_NTHV



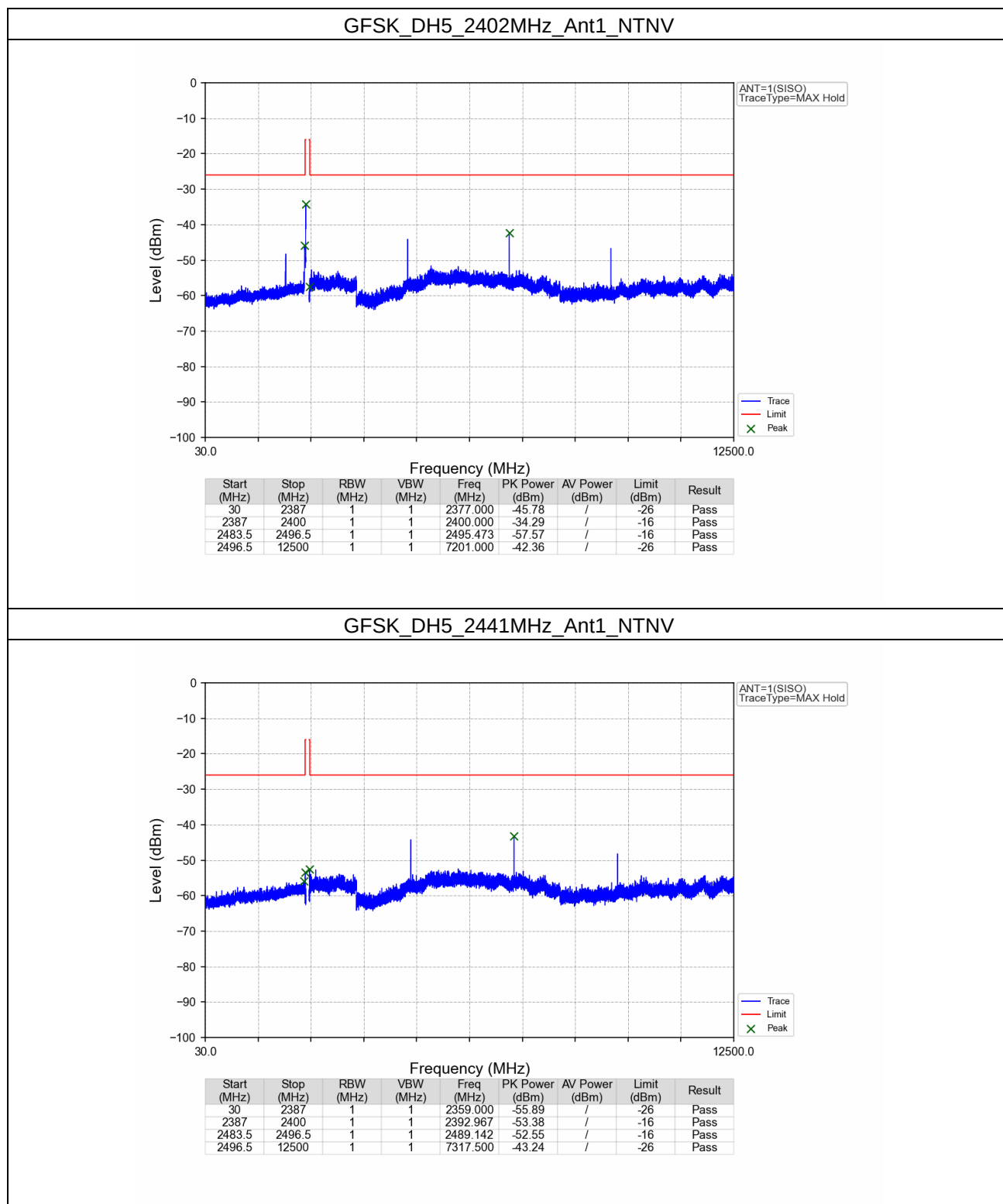
6. Spurious Emission Intensity

6.1 TXSE

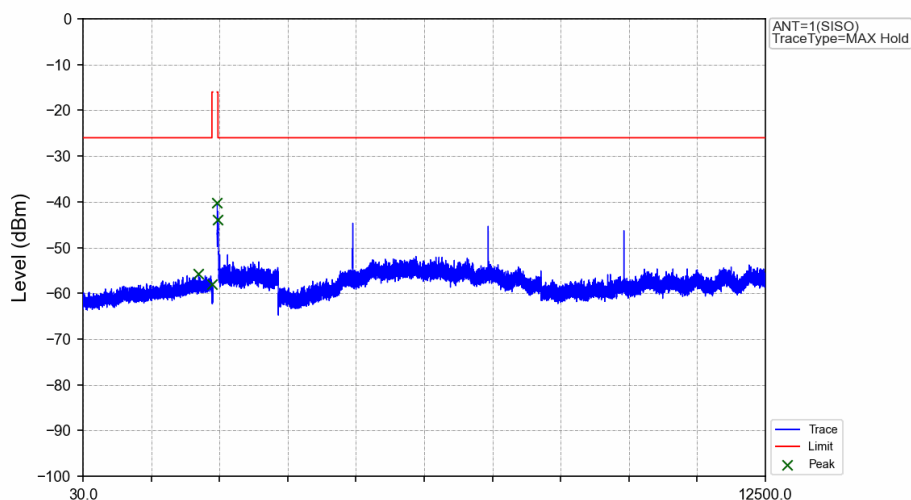
6.1.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Test Result	Limit	Verdict
NTNV	GFSK	SISO	2402	DH5	1	Refer To Test Graph		Pass
			2441	DH5	1	Refer To Test Graph		Pass
			2480	DH5	1	Refer To Test Graph		Pass
	Pi/4DQPSK	SISO	2402	2DH5	1	Refer To Test Graph		Pass
			2441	2DH5	1	Refer To Test Graph		Pass
			2480	2DH5	1	Refer To Test Graph		Pass
	8DPSK	SISO	2402	3DH5	1	Refer To Test Graph		Pass
			2441	3DH5	1	Refer To Test Graph		Pass
			2480	3DH5	1	Refer To Test Graph		Pass
NTLV	GFSK	SISO	2402	DH5	1	Refer To Test Graph		Pass
			2441	DH5	1	Refer To Test Graph		Pass
			2480	DH5	1	Refer To Test Graph		Pass
	Pi/4DQPSK	SISO	2402	2DH5	1	Refer To Test Graph		Pass
			2441	2DH5	1	Refer To Test Graph		Pass
			2480	2DH5	1	Refer To Test Graph		Pass
	8DPSK	SISO	2402	3DH5	1	Refer To Test Graph		Pass
			2441	3DH5	1	Refer To Test Graph		Pass
			2480	3DH5	1	Refer To Test Graph		Pass
NTHV	GFSK	SISO	2402	DH5	1	Refer To Test Graph		Pass
			2441	DH5	1	Refer To Test Graph		Pass
			2480	DH5	1	Refer To Test Graph		Pass
	Pi/4DQPSK	SISO	2402	2DH5	1	Refer To Test Graph		Pass
			2441	2DH5	1	Refer To Test Graph		Pass
			2480	2DH5	1	Refer To Test Graph		Pass
	8DPSK	SISO	2402	3DH5	1	Refer To Test Graph		Pass
			2441	3DH5	1	Refer To Test Graph		Pass
			2480	3DH5	1	Refer To Test Graph		Pass

6.1.2 Test Graph

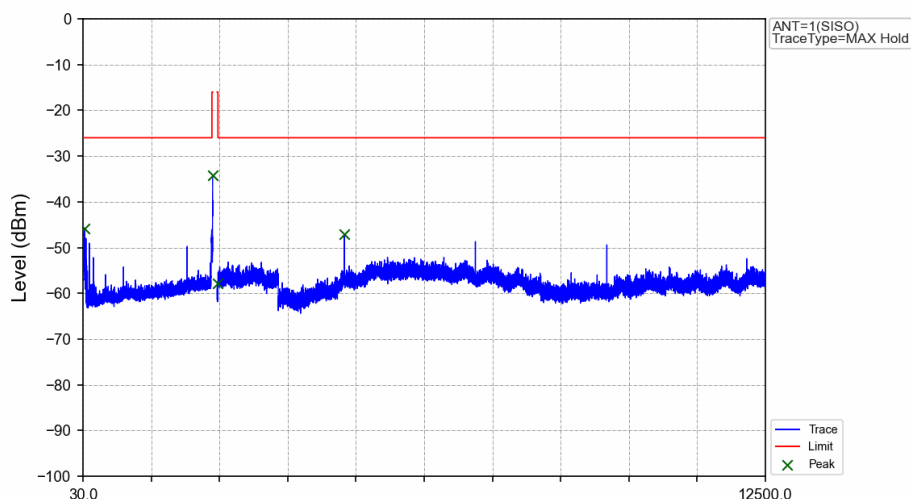


GFSK_DH5_2480MHz_Ant1_NTNV



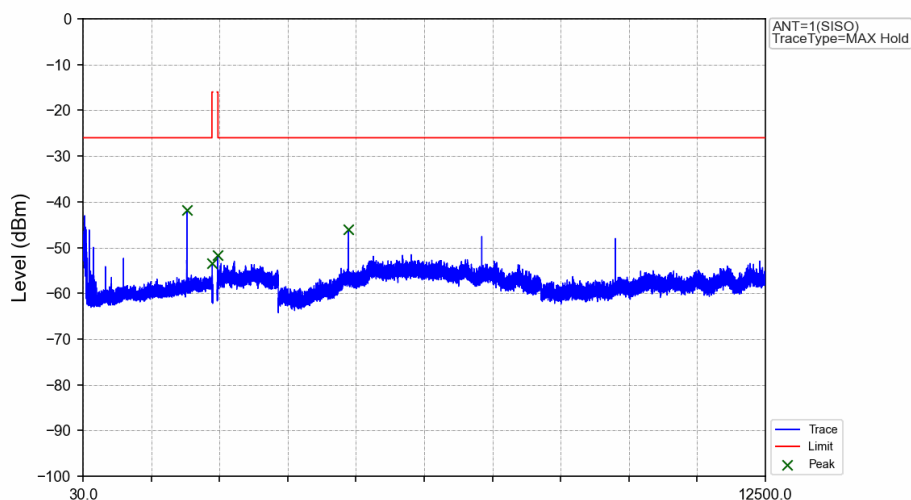
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2145.000	-55.75	/	-26	Pass
2387	2400	1	1	2388.781	-57.97	/	-16	Pass
2483.5	2496.5	1	1	2483.539	-40.20	/	-16	Pass
2496.5	12500	1	1	2497.000	-43.98	/	-26	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV



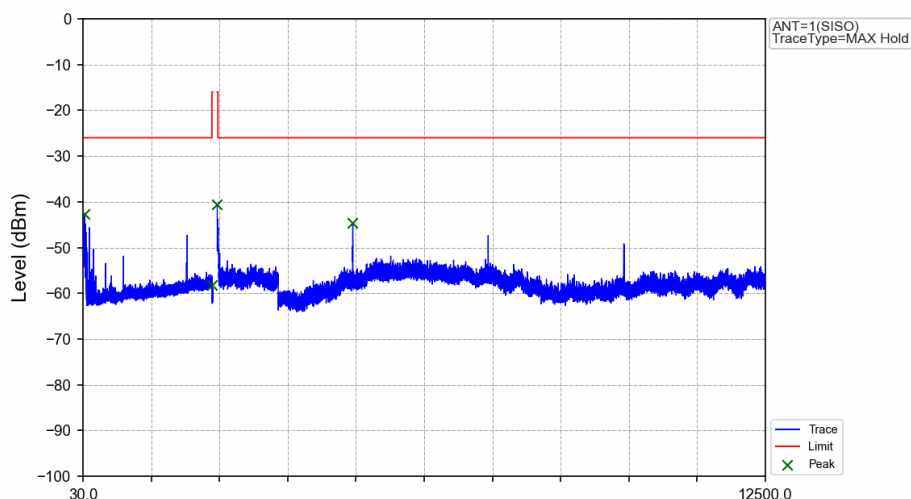
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	60.500	-45.81	/	-26	Pass
2387	2400	1	1	2400.000	-34.17	/	-16	Pass
2483.5	2496.5	1	1	2486.048	-57.94	/	-16	Pass
2496.5	12500	1	1	4805.000	-47.04	/	-26	Pass

Pi/4DQPSK_2DH5_2441MHz_Ant1_NTNV



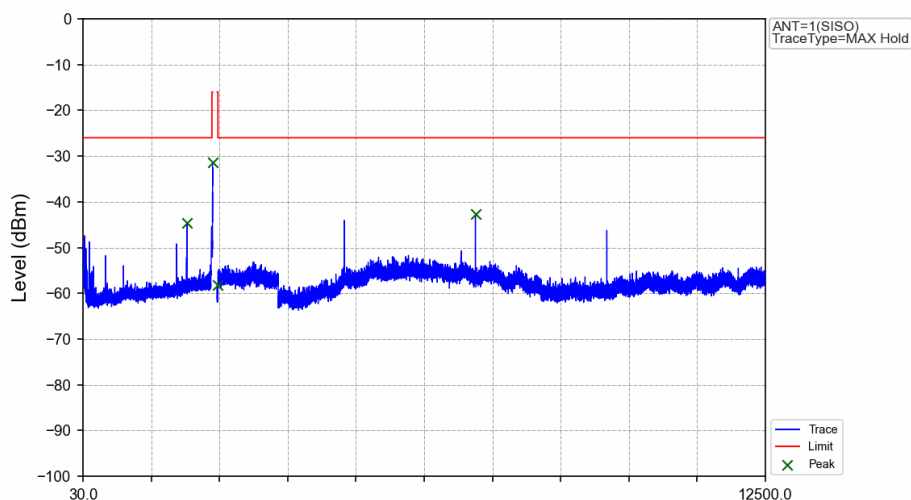
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1928.500	-41.84	/	-26	Pass
2387	2400	1	1	2393.123	-53.46	/	-16	Pass
2483.5	2496.5	1	1	2489.220	-51.63	/	-16	Pass
2496.5	12500	1	1	4882.500	-45.99	/	-26	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV



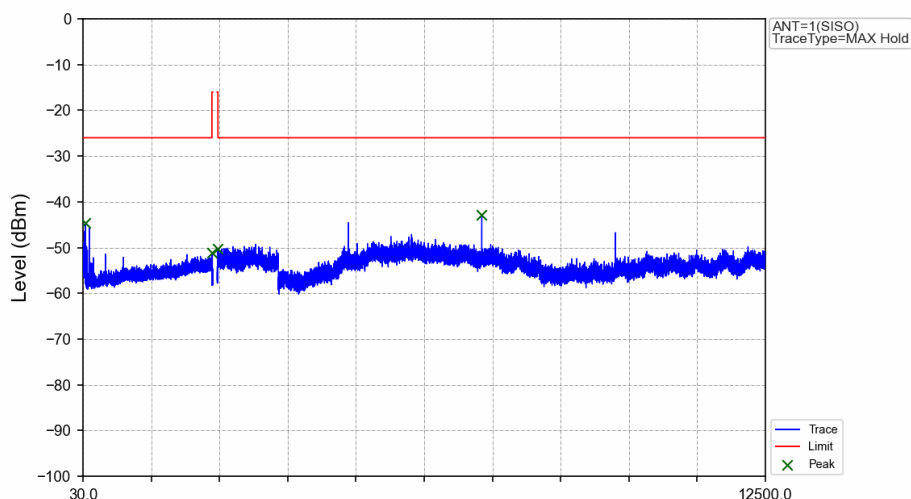
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	60.500	-42.61	/	-26	Pass
2387	2400	1	1	2387.351	-58.11	/	-16	Pass
2483.5	2496.5	1	1	2483.500	-40.59	/	-16	Pass
2496.5	12500	1	1	4960.500	-44.64	/	-26	Pass

8DPSK_3DH5_2402MHz_Ant1_NTNV



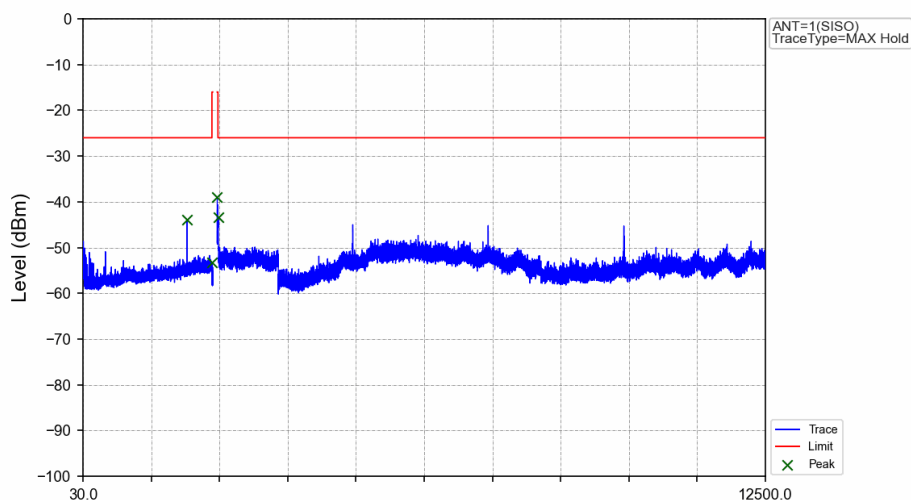
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1929.000	-44.58	/	-26	Pass
2387	2400	1	1	2399.909	-31.39	/	-16	Pass
2483.5	2496.5	1	1	2492.340	-58.12	/	-16	Pass
2496.5	12500	1	1	7201.000	-42.77	/	-26	Pass

8DPSK_3DH5_2441MHz_Ant1_NTNV



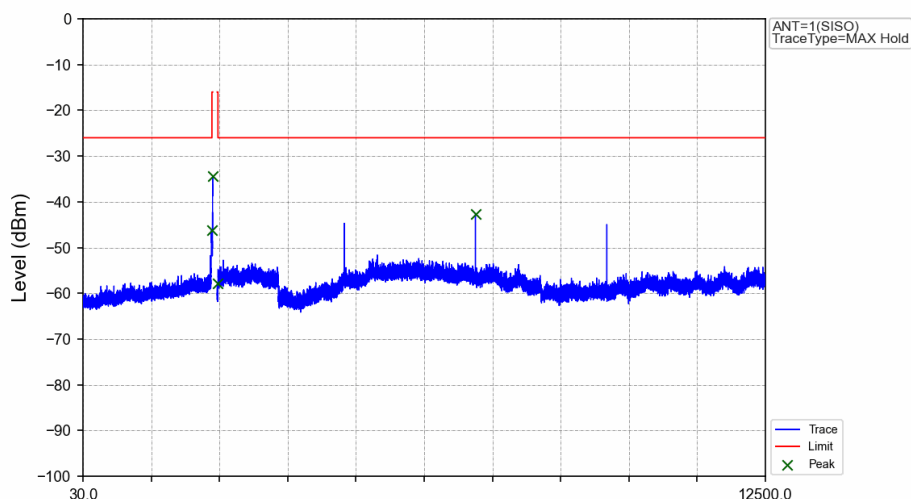
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	73.000	-44.66	/	-26	Pass
2387	2400	1	1	2393.266	-51.07	/	-16	Pass
2483.5	2496.5	1	1	2489.402	-50.27	/	-16	Pass
2496.5	12500	1	1	7318.000	-42.83	/	-26	Pass

8DPSK_3DH5_2480MHz_Ant1_NTNV



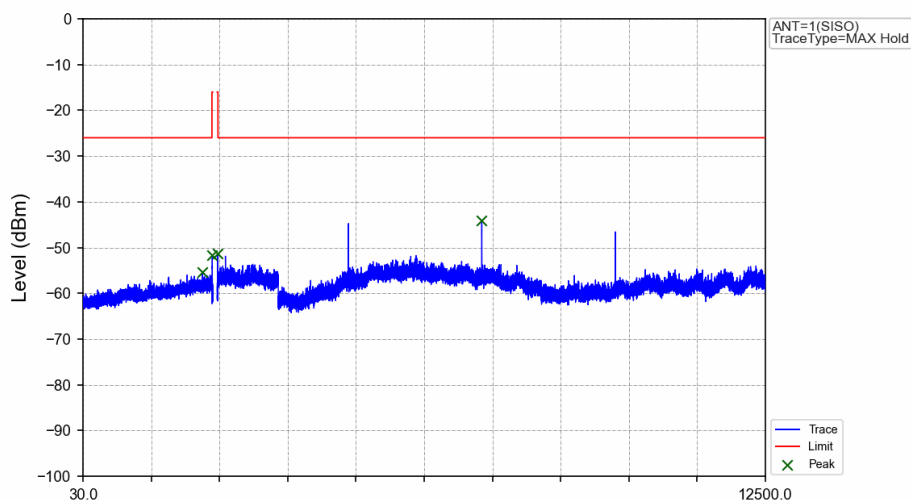
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1934.000	-43.92	/	-26	Pass
2387	2400	1	1	2391.810	-53.28	/	-16	Pass
2483.5	2496.5	1	1	2483.500	-38.93	/	-16	Pass
2496.5	12500	1	1	2501.500	-43.32	/	-26	Pass

GFSK_DH5_2402MHz_Ant1_NTLV



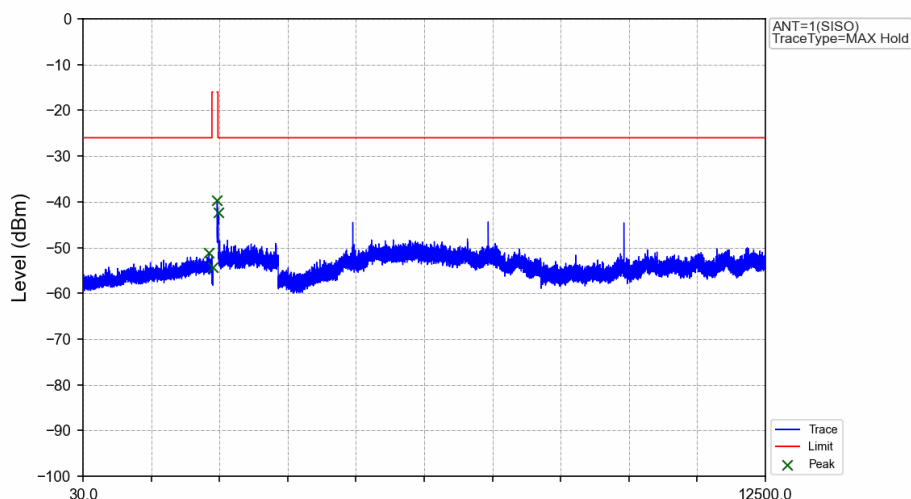
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2382.500	-46.12	/	-26	Pass
2387	2400	1	1	2399.974	-34.34	/	-16	Pass
2483.5	2496.5	1	1	2493.042	-57.91	/	-16	Pass
2496.5	12500	1	1	7201.000	-42.71	/	-26	Pass

GFSK_DH5_2441MHz_Ant1_NTLV



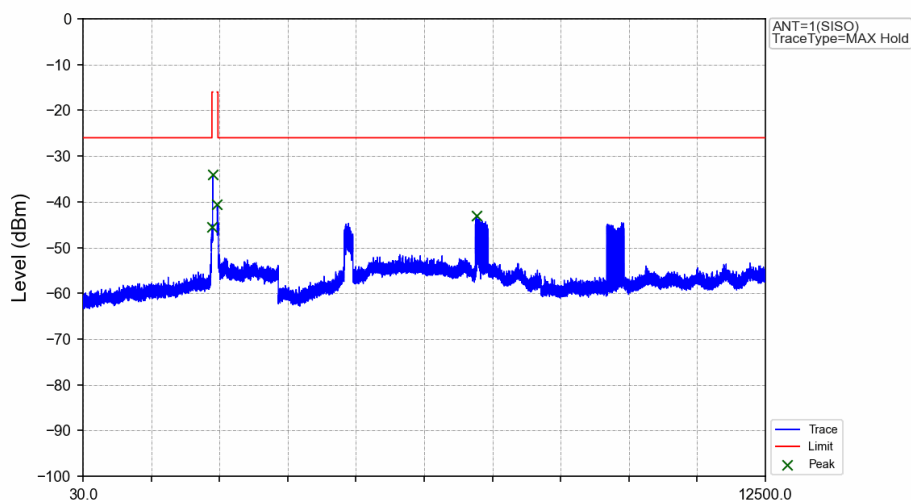
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2215.000	-55.35	/	-26	Pass
2387	2400	1	1	2393.188	-51.62	/	-16	Pass
2483.5	2496.5	1	1	2489.142	-51.30	/	-16	Pass
2496.5	12500	1	1	7317.500	-44.17	/	-26	Pass

GFSK_DH5_2480MHz_Ant1_NTLV



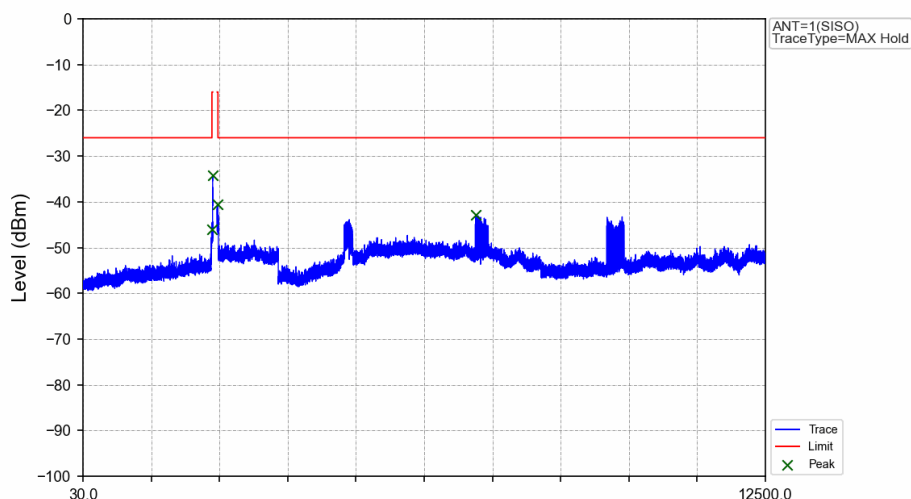
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2333.500	-51.11	/	-26	Pass
2387	2400	1	1	2396.360	-54.38	/	-16	Pass
2483.5	2496.5	1	1	2483.643	-39.75	/	-16	Pass
2496.5	12500	1	1	2502.500	-42.35	/	-26	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV



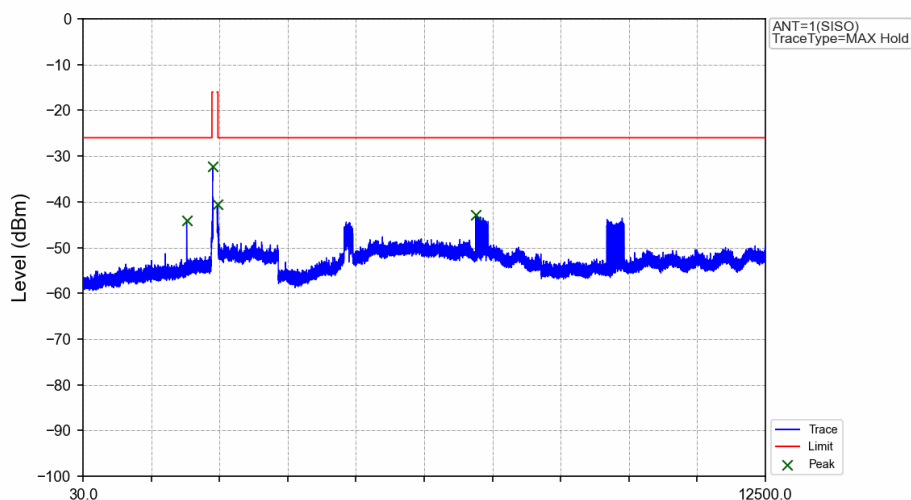
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2386.000	-45.50	/	-26	Pass
2387	2400	1	1	2399.857	-33.97	/	-16	Pass
2483.5	2496.5	1	1	2483.539	-40.50	/	-16	Pass
2496.5	12500	1	1	7224.500	-43.10	/	-26	Pass

Pi/4DQPSK_2DH5_2441MHz_Ant1_NTLV



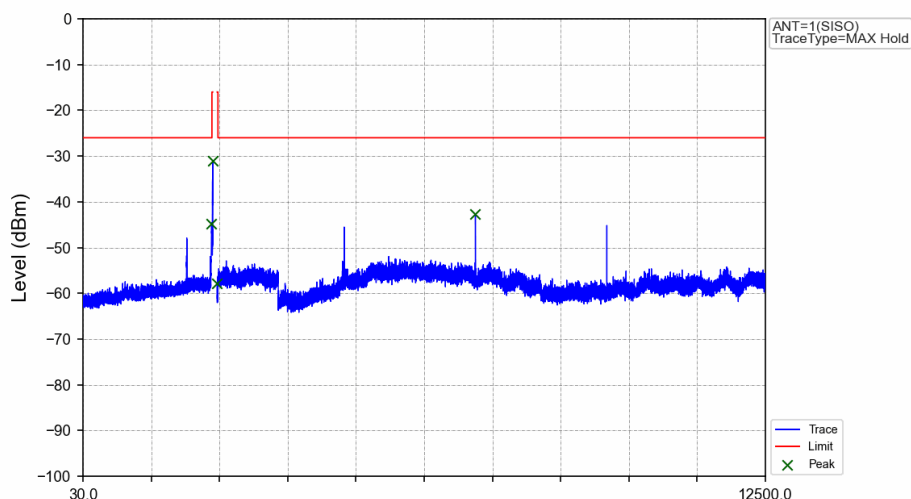
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2386.000	-46.09	/	-26	Pass
2387	2400	1	1	2399.922	-34.27	/	-16	Pass
2483.5	2496.5	1	1	2490.936	-40.60	/	-16	Pass
2496.5	12500	1	1	7215.500	-42.84	/	-26	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV



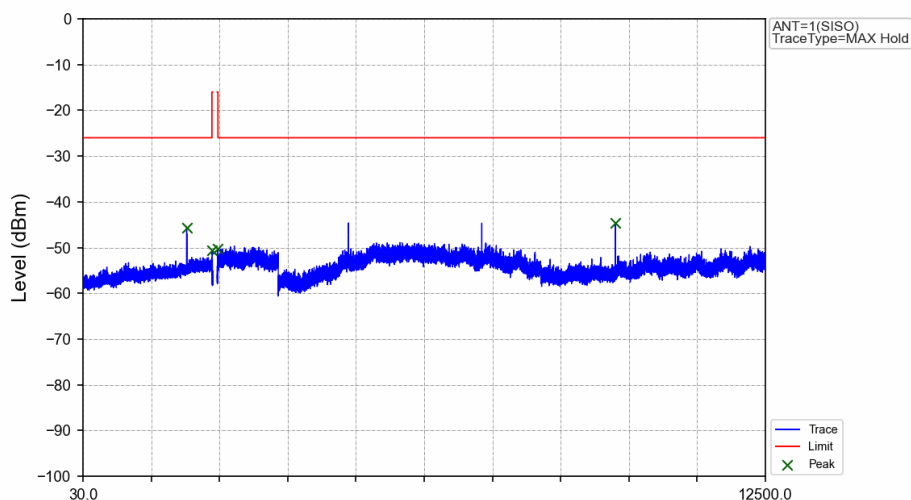
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1925.000	-44.10	/	-26	Pass
2387	2400	1	1	2399.883	-32.26	/	-16	Pass
2483.5	2496.5	1	1	2490.702	-40.59	/	-16	Pass
2496.5	12500	1	1	7204.000	-42.92	/	-26	Pass

8DPSK_3DH5_2402MHz_Ant1_NTLV



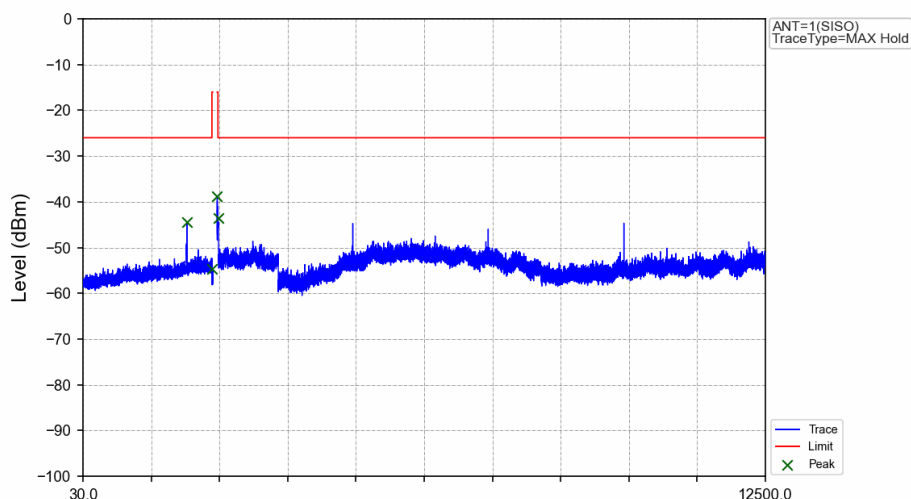
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2379.500	-44.75	/	-26	Pass
2387	2400	1	1	2400.000	-31.07	/	-16	Pass
2483.5	2496.5	1	1	2483.786	-57.87	/	-16	Pass
2496.5	12500	1	1	7200.500	-42.76	/	-26	Pass

8DPSK_3DH5_2441MHz_Ant1_NTLV



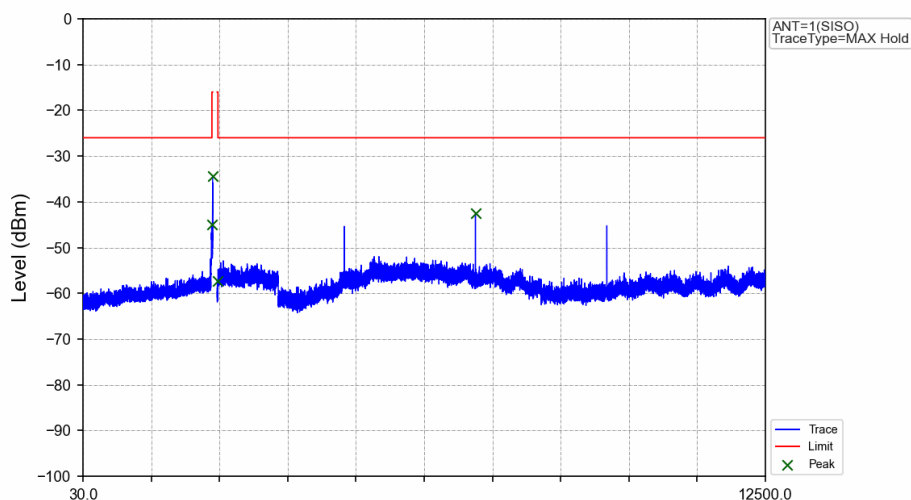
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1924.500	-45.73	/	-26	Pass
2387	2400	1	1	2393.136	-50.59	/	-16	Pass
2483.5	2496.5	1	1	2488.895	-50.26	/	-16	Pass
2496.5	12500	1	1	9758.500	-44.54	/	-26	Pass

8DPSK_3DH5_2480MHz_Ant1_NTLV



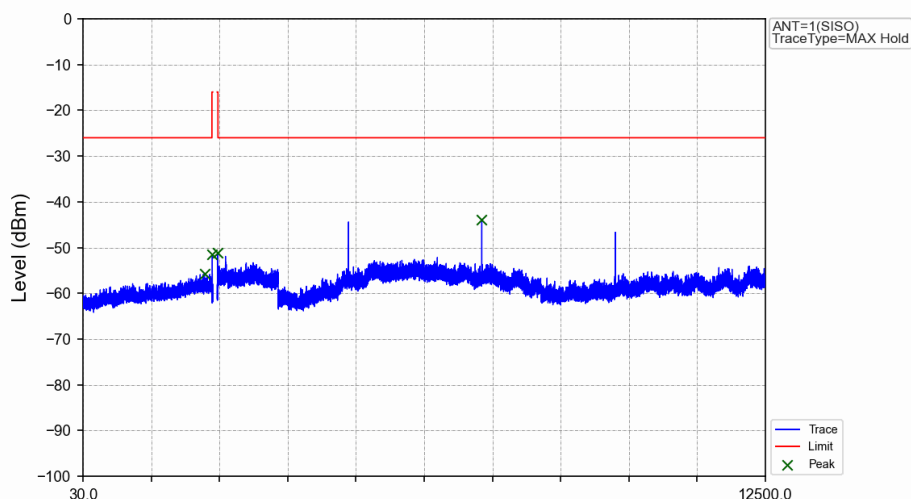
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1931.000	-44.51	/	-26	Pass
2387	2400	1	1	2391.784	-54.71	/	-16	Pass
2483.5	2496.5	1	1	2483.526	-38.76	/	-16	Pass
2496.5	12500	1	1	2499.000	-43.53	/	-26	Pass

GFSK_DH5_2402MHz_Ant1_NTHV



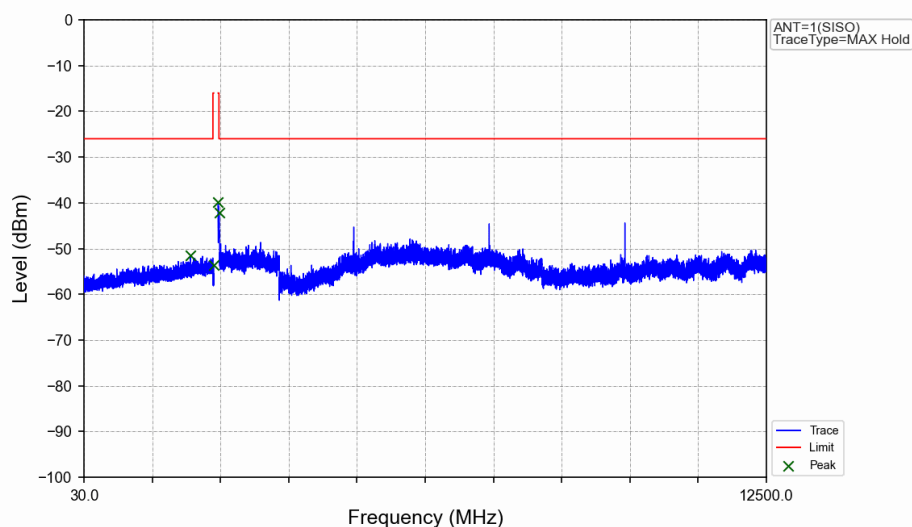
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2382.000	-45.05	/	-26	Pass
2387	2400	1	1	2399.987	-34.37	/	-16	Pass
2483.5	2496.5	1	1	2485.398	-57.23	/	-16	Pass
2496.5	12500	1	1	7201.000	-42.51	/	-26	Pass

GFSK_DH5_2441MHz_Ant1_NTHV



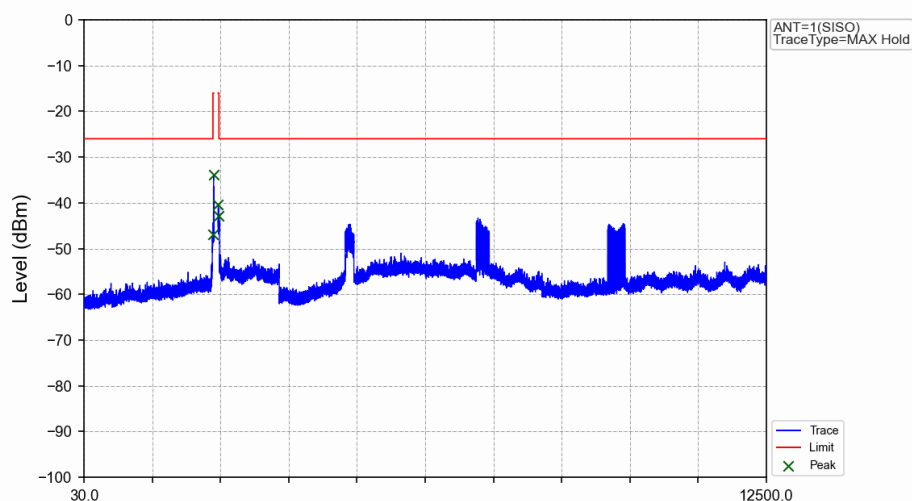
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2249.500	-55.68	/	-26	Pass
2387	2400	1	1	2393.058	-51.51	/	-16	Pass
2483.5	2496.5	1	1	2489.324	-51.09	/	-16	Pass
2496.5	12500	1	1	7318.000	-43.89	/	-26	Pass

GFSK_DH5_2480MHz_Ant1_NTHV



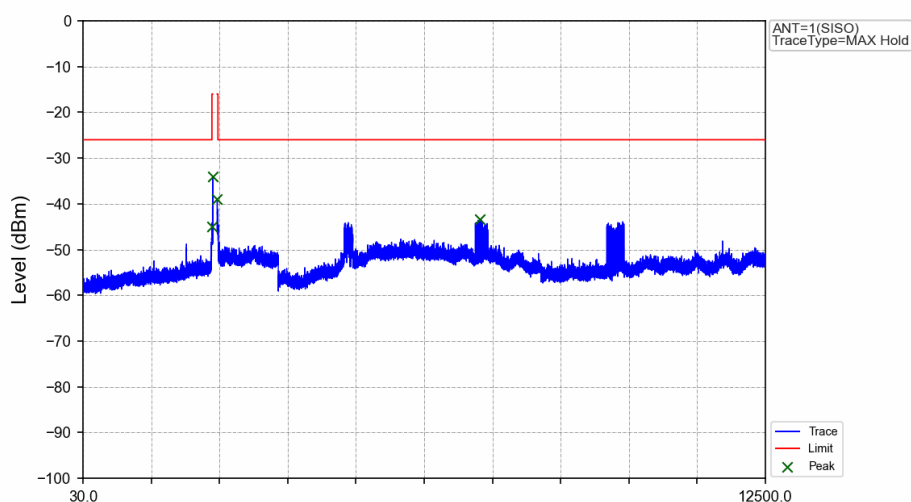
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1976.000	-51.56	/	-26	Pass
2387	2400	1	1	2398.310	-53.61	/	-16	Pass
2483.5	2496.5	1	1	2483.539	-39.85	/	-16	Pass
2496.5	12500	1	1	2500.500	-42.22	/	-26	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV



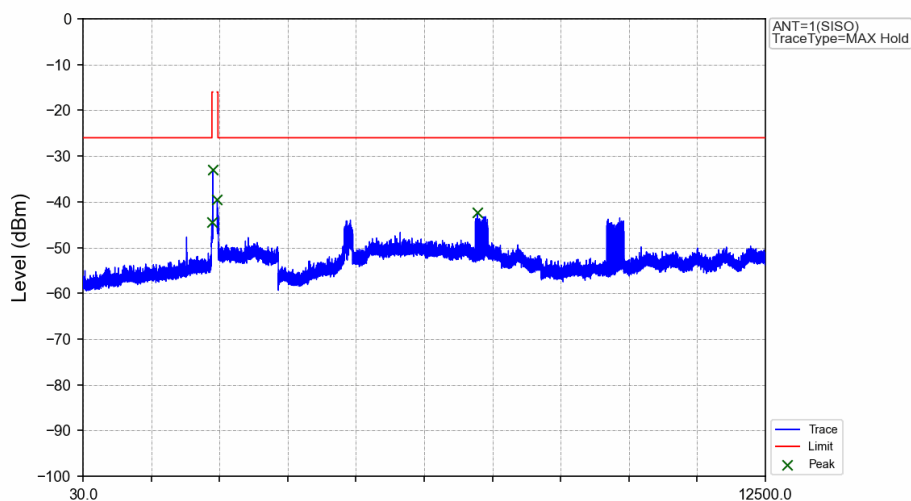
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2385.500	-46.92	/	-26	Pass
2387	2400	1	1	2399.025	-33.79	/	-16	Pass
2483.5	2496.5	1	1	2483.721	-40.37	/	-16	Pass
2496.5	12500	1	1	2497.000	-42.77	/	-26	Pass

Pi/4DQPSK_2DH5_2441MHz_Ant1_NTHV



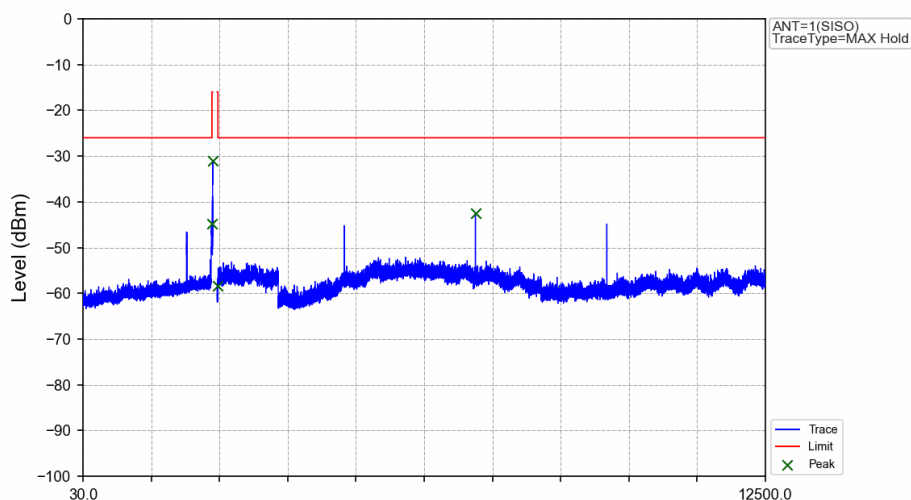
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2384.500	-45.06	/	-26	Pass
2387	2400	1	1	2399.987	-34.05	/	-16	Pass
2483.5	2496.5	1	1	2483.526	-38.93	/	-16	Pass
2496.5	12500	1	1	7279.000	-43.35	/	-26	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV



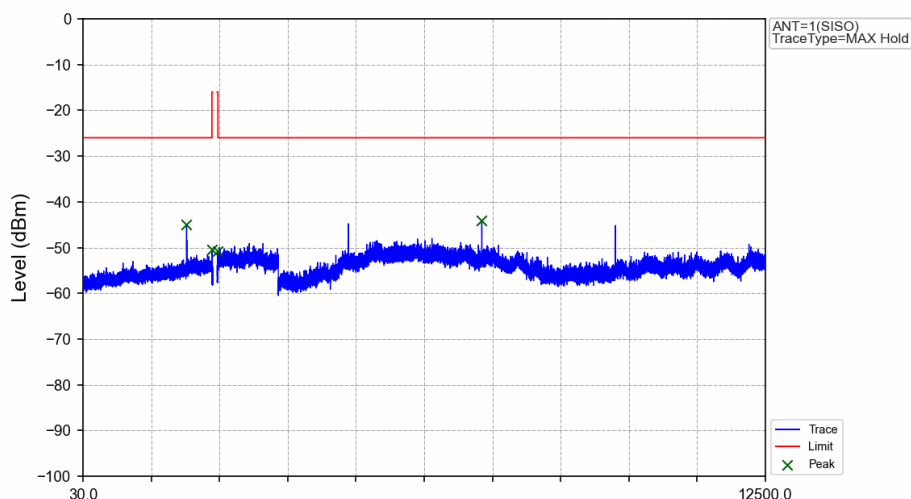
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2386.500	-44.48	/	-26	Pass
2387	2400	1	1	2399.987	-33.06	/	-16	Pass
2483.5	2496.5	1	1	2483.643	-39.52	/	-16	Pass
2496.5	12500	1	1	7233.500	-42.32	/	-26	Pass

8DPSK_3DH5_2402MHz_Ant1_NTHV



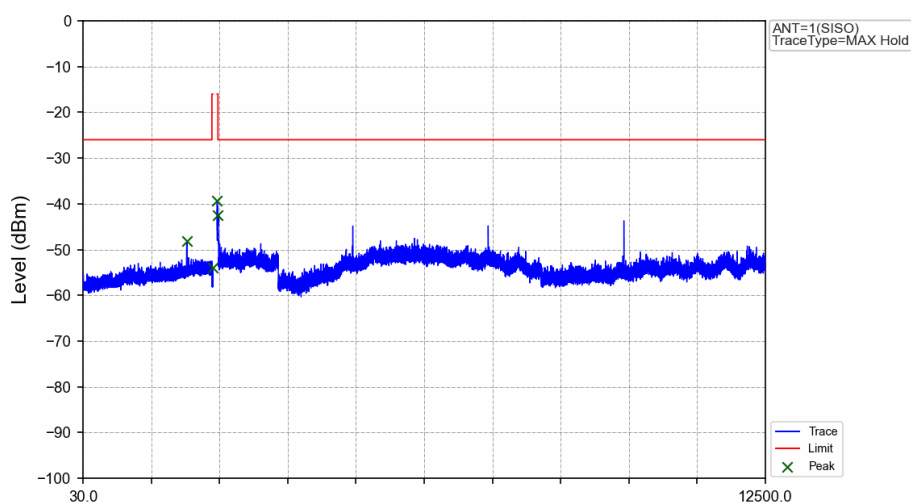
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2382.000	-44.79	/	-26	Pass
2387	2400	1	1	2399.961	-31.09	/	-16	Pass
2483.5	2496.5	1	1	2485.580	-58.36	/	-16	Pass
2496.5	12500	1	1	7201.000	-42.45	/	-26	Pass

8DPSK_3DH5_2441MHz_Ant1_NTHV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1924.000	-45.00	/	-26	Pass
2387	2400	1	1	2393.474	-50.46	/	-16	Pass
2483.5	2496.5	1	1	2489.012	-50.76	/	-16	Pass
2496.5	12500	1	1	7318.000	-44.02	/	-26	Pass

8DPSK_3DH5_2480MHz_Ant1_NTHV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	1926.000	-48.23	/	-26	Pass
2387	2400	1	1	2397.985	-53.95	/	-16	Pass
2483.5	2496.5	1	1	2483.578	-39.35	/	-16	Pass
2496.5	12500	1	1	2498.000	-42.57	/	-26	Pass

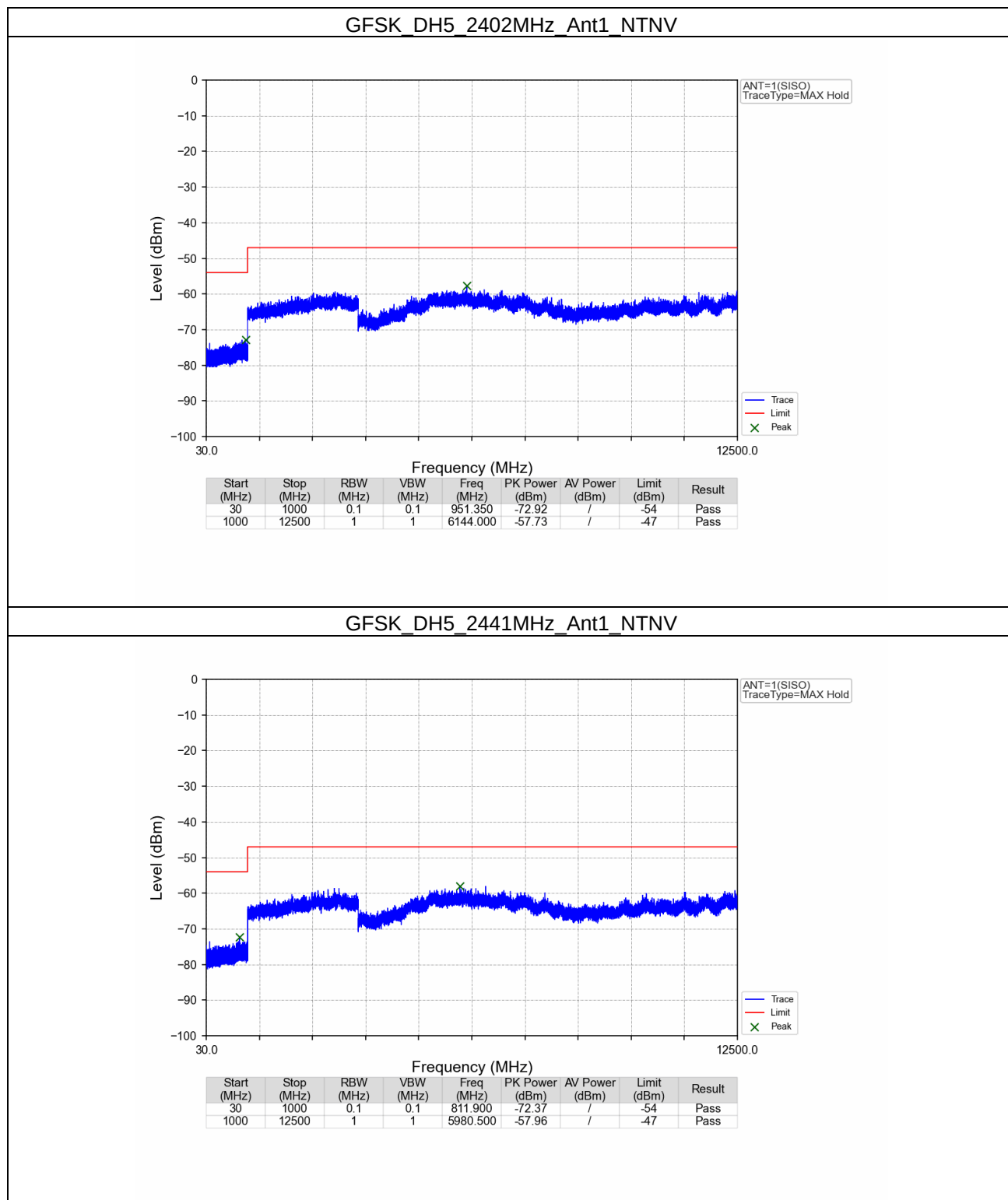
7. Secondary Radiated Emission

7.1 RXSE

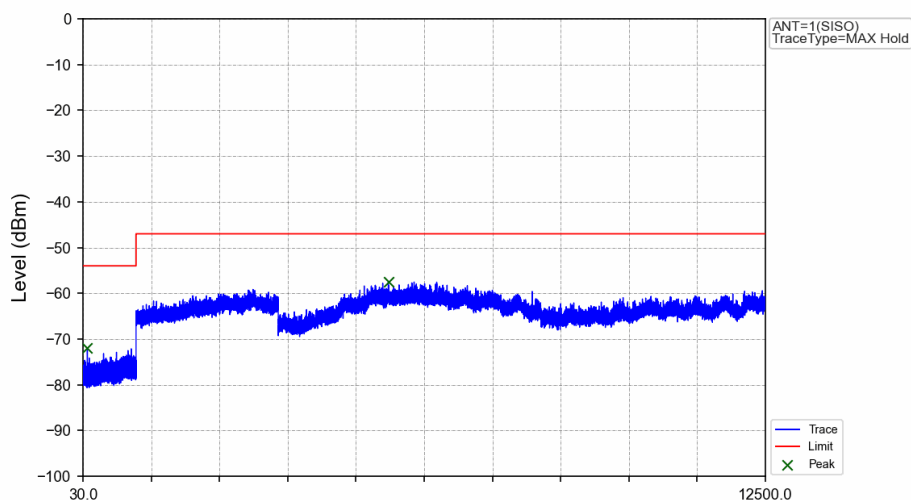
7.1.1 Test Result

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Test Result	Limit	Verdict
NTNV	GFSK	SISO	2402	DH5	1	Refer To Test Graph		Pass
			2441	DH5	1	Refer To Test Graph		Pass
			2480	DH5	1	Refer To Test Graph		Pass
	Pi/4DQPSK	SISO	2402	2DH5	1	Refer To Test Graph		Pass
			2441	2DH5	1	Refer To Test Graph		Pass
			2480	2DH5	1	Refer To Test Graph		Pass
	8DPSK	SISO	2402	3DH5	1	Refer To Test Graph		Pass
			2441	3DH5	1	Refer To Test Graph		Pass
			2480	3DH5	1	Refer To Test Graph		Pass
NTLV	GFSK	SISO	2402	DH5	1	Refer To Test Graph		Pass
			2441	DH5	1	Refer To Test Graph		Pass
			2480	DH5	1	Refer To Test Graph		Pass
	Pi/4DQPSK	SISO	2402	2DH5	1	Refer To Test Graph		Pass
			2441	2DH5	1	Refer To Test Graph		Pass
			2480	2DH5	1	Refer To Test Graph		Pass
	8DPSK	SISO	2402	3DH5	1	Refer To Test Graph		Pass
			2441	3DH5	1	Refer To Test Graph		Pass
			2480	3DH5	1	Refer To Test Graph		Pass
NTHV	GFSK	SISO	2402	DH5	1	Refer To Test Graph		Pass
			2441	DH5	1	Refer To Test Graph		Pass
			2480	DH5	1	Refer To Test Graph		Pass
	Pi/4DQPSK	SISO	2402	2DH5	1	Refer To Test Graph		Pass
			2441	2DH5	1	Refer To Test Graph		Pass
			2480	2DH5	1	Refer To Test Graph		Pass
	8DPSK	SISO	2402	3DH5	1	Refer To Test Graph		Pass
			2441	3DH5	1	Refer To Test Graph		Pass
			2480	3DH5	1	Refer To Test Graph		Pass

7.1.2 Test Graph

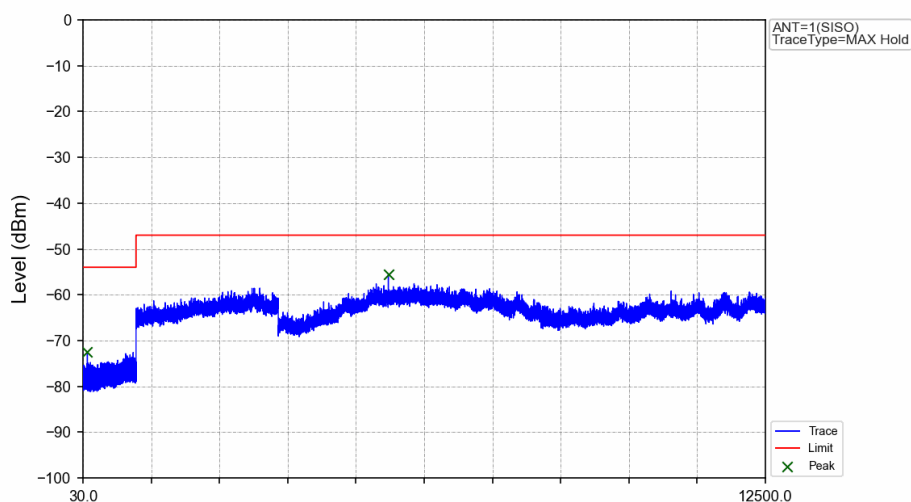


GFSK_DH5_2480MHz_Ant1_NTNV



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	110.000	-72.03	/	-54	Pass
1000	12500	1	1	5609.500	-57.52	/	-47	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV



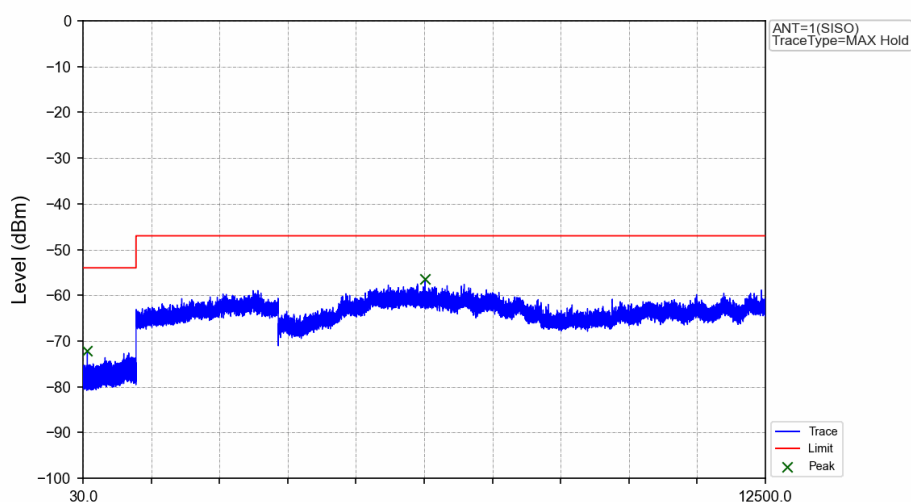
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.000	-72.54	/	-54	Pass
1000	12500	1	1	5609.500	-55.58	/	-47	Pass



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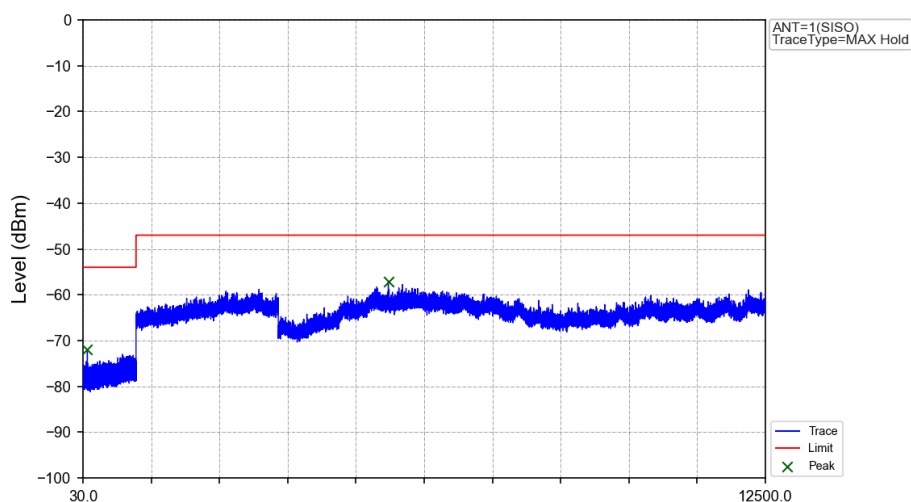
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Pi/4DQPSK_2DH5_2441MHz_Ant1_NTNV



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	110.000	-72.19	/	-54	Pass
1000	12500	1	1	6280.000	-56.46	/	-47	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV



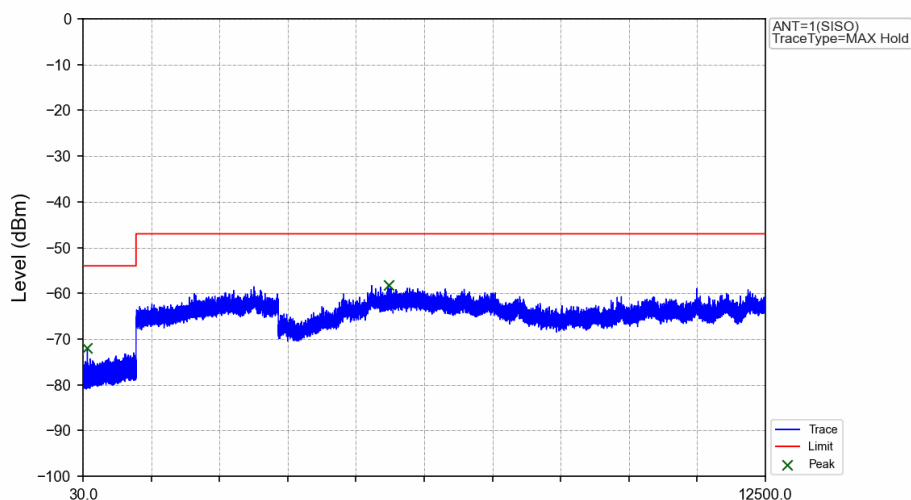
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.050	-71.88	/	-54	Pass
1000	12500	1	1	5609.500	-57.08	/	-47	Pass



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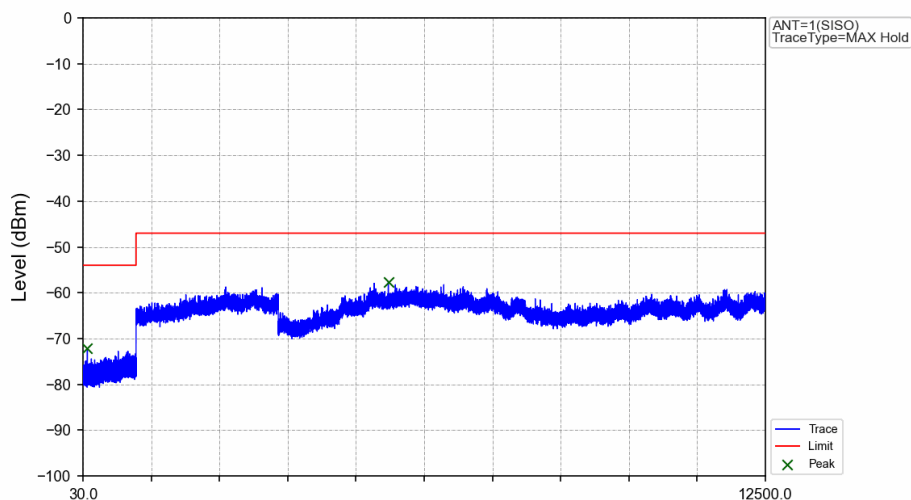
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8DPSK_3DH5_2402MHz_Ant1_NTNV



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	110.000	-72.00	/	-54	Pass
1000	12500	1	1	5610.000	-58.16	/	-47	Pass

8DPSK_3DH5_2441MHz_Ant1_NTNV



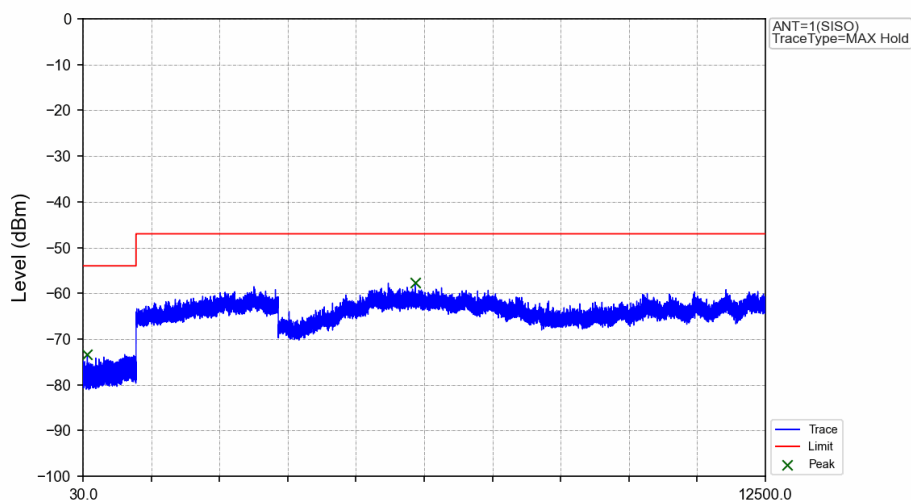
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.000	-72.08	/	-54	Pass
1000	12500	1	1	5609.500	-57.61	/	-47	Pass



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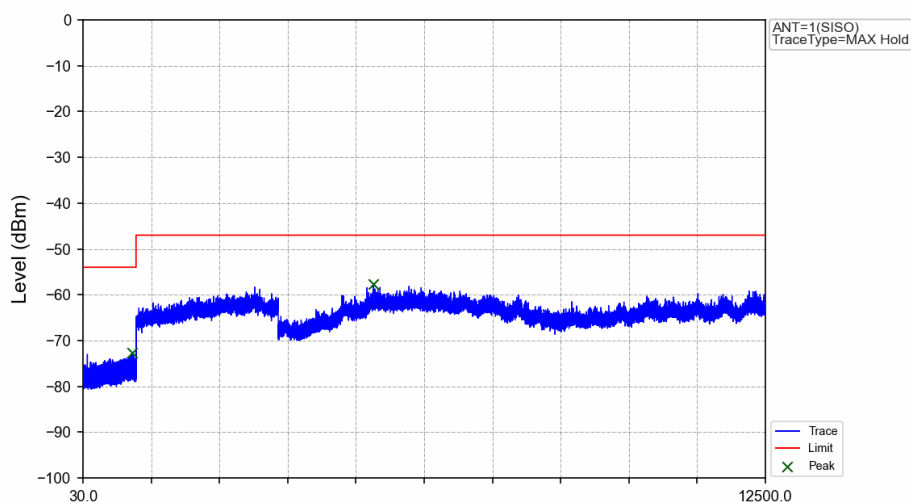
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8DPSK_3DH5_2480MHz_Ant1_NTNV



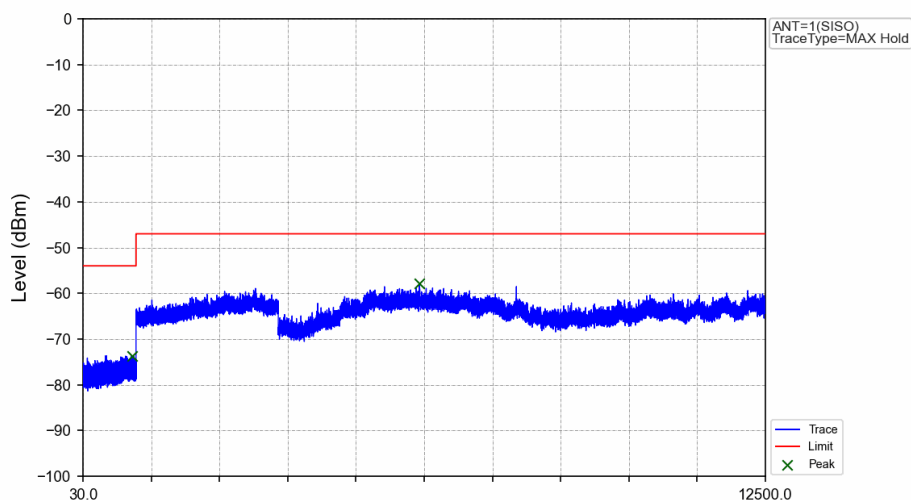
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.000	-73.28	/	-54	Pass
1000	12500	1	1	6098.000	-57.59	/	-47	Pass

GFSK_DH5_2402MHz_Ant1_NTLV



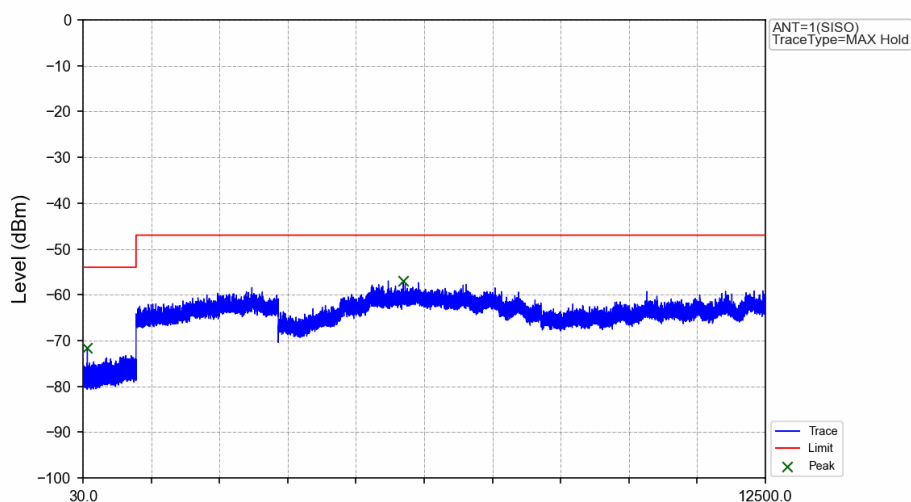
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	933.650	-72.62	/	-54	Pass
1000	12500	1	1	5333.500	-57.70	/	-47	Pass

GFSK_DH5_2441MHz_Ant1_NTLV



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	930.600	-73.64	/	-54	Pass
1000	12500	1	1	6175.500	-57.90	/	-47	Pass

GFSK_DH5_2480MHz_Ant1_NTLV



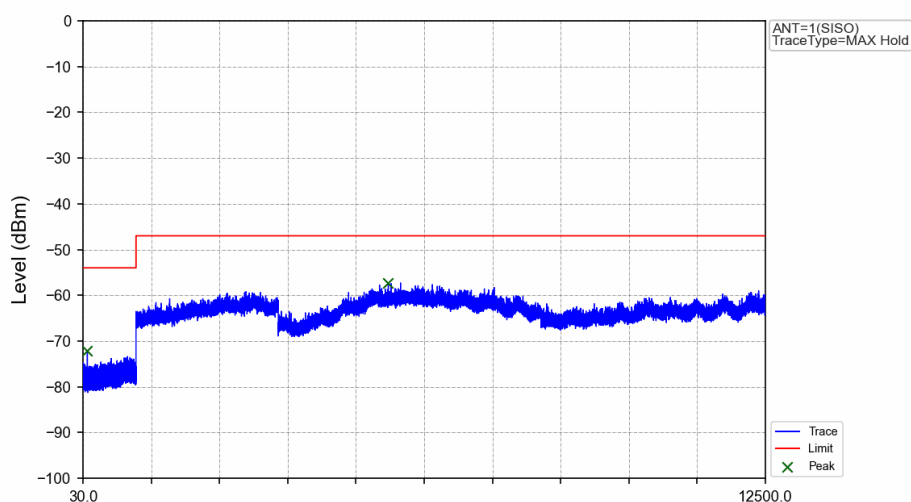
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.000	-71.66	/	-54	Pass
1000	12500	1	1	5884.000	-56.92	/	-47	Pass



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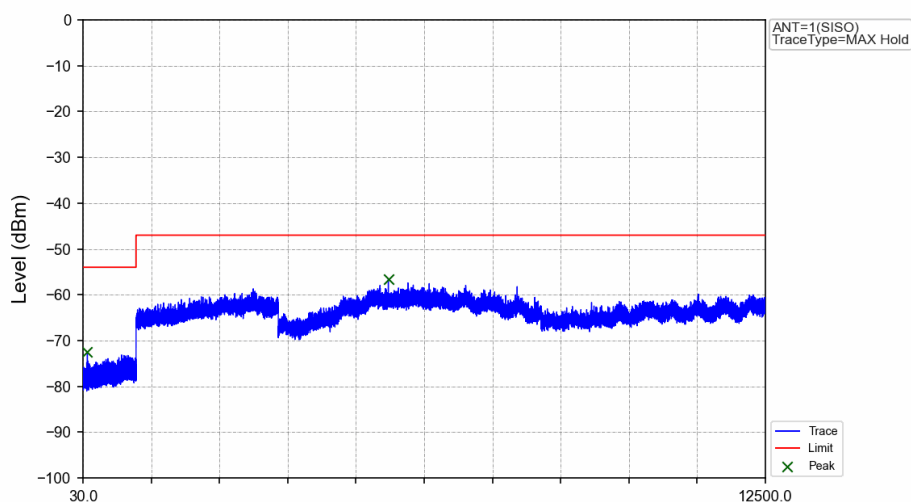
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Pi/4DQPSK 2DH5 2402MHz Ant1 NTLV



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	110.000	-72.09	/	-54	Pass
1000	12500	1	1	5609.000	-57.29	/	-47	Pass

Pi/4DQPSK 2DH5 2441MHz Ant1 NTLV



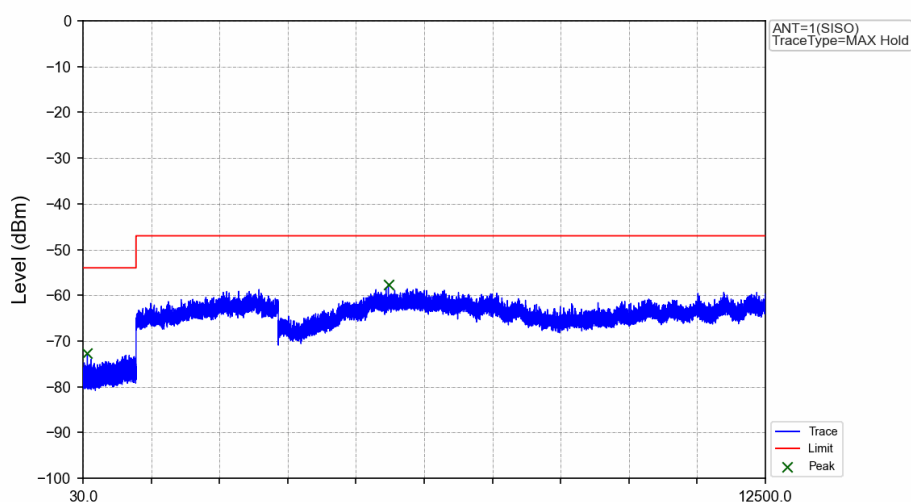
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.000	-72.44	/	-54	Pass
1000	12500	1	1	5609.500	-56.56	/	-47	Pass



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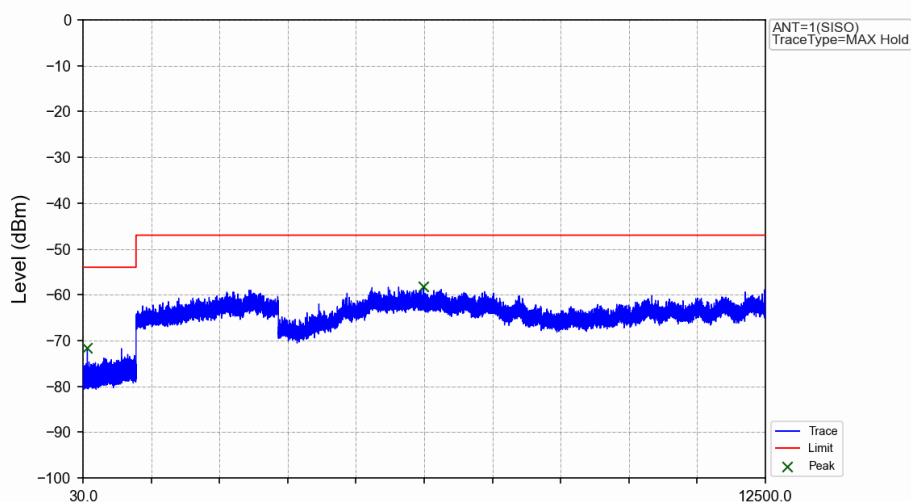
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Pi/4DQPSK 2DH5 2480MHz Ant1 NTLV



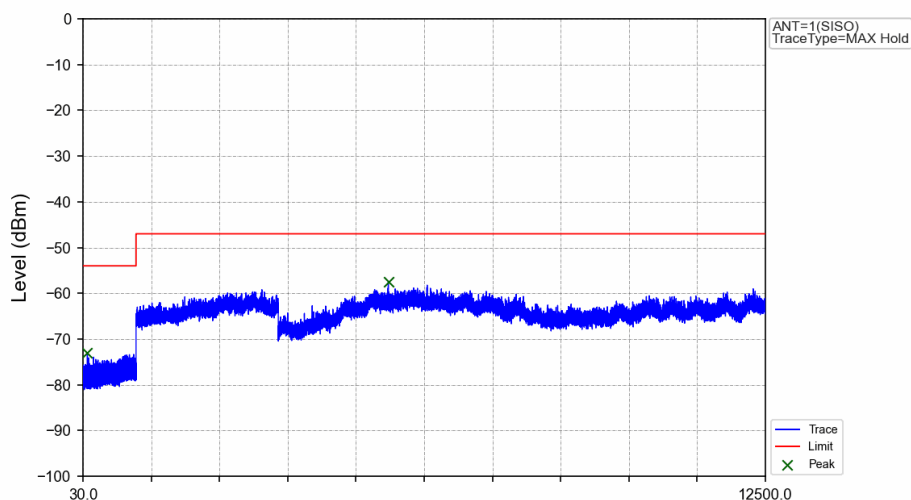
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.000	-72.73	/	-54	Pass
1000	12500	1	1	5609.500	-57.76	/	-47	Pass

8DPSK 3DH5 2402MHz Ant1 NTLV



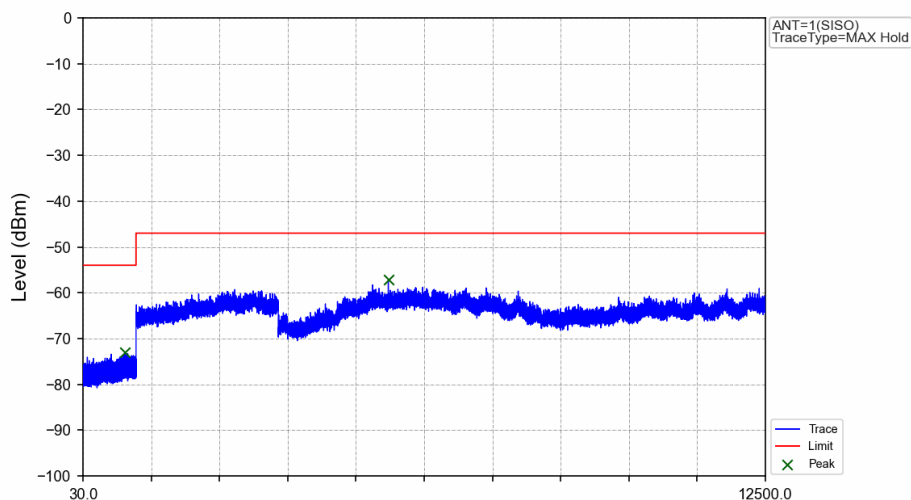
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.050	-71.53	/	-54	Pass
1000	12500	1	1	6255.000	-58.22	/	-47	Pass

8DPSK 3DH5 2441MHz Ant1 NTLV



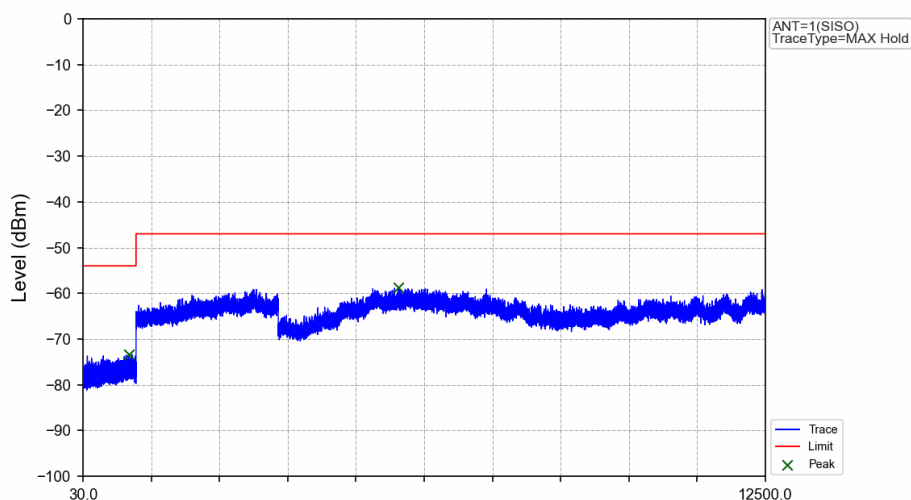
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.000	-72.98	/	-54	Pass
1000	12500	1	1	5609.500	-57.53	/	-47	Pass

8DPSK 3DH5 2480MHz Ant1 NTLV



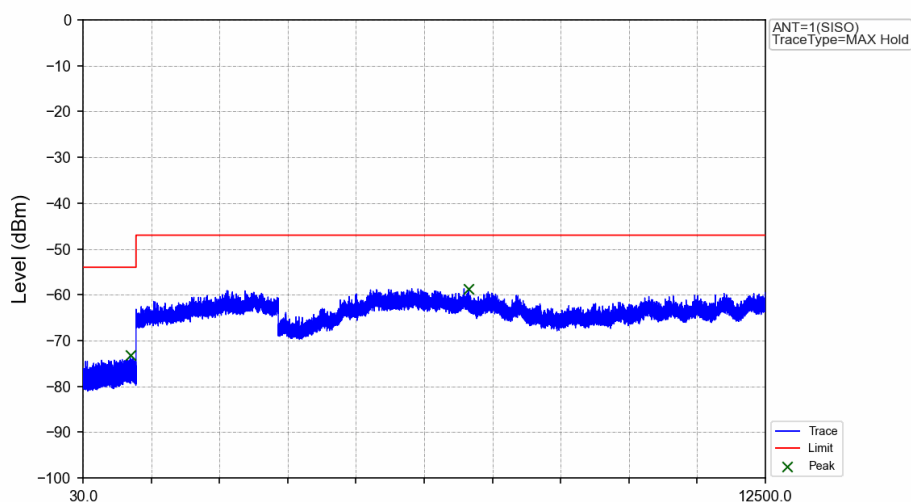
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	793.700	-72.93	/	-54	Pass
1000	12500	1	1	5609.500	-57.22	/	-47	Pass

GFSK_DH5_2402MHz_Ant1_NTHV



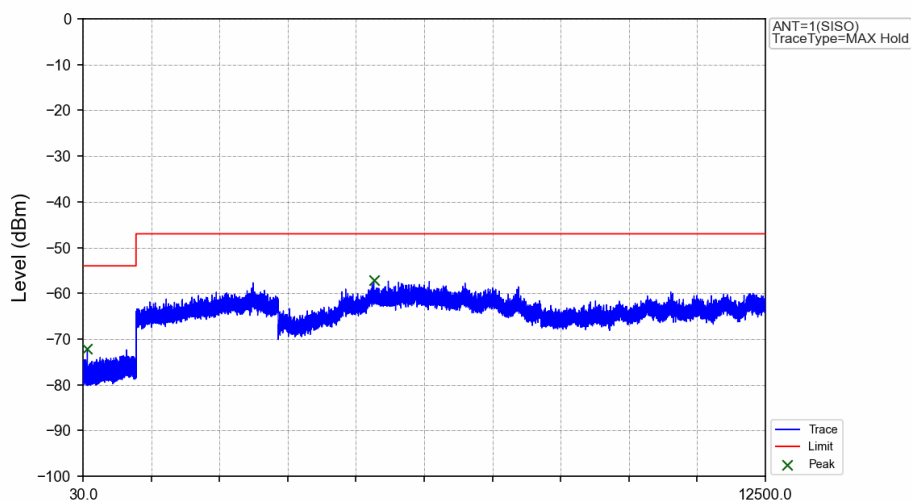
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	877.250	-73.34	/	-54	Pass
1000	12500	1	1	5795.000	-58.70	/	-47	Pass

GFSK_DH5_2441MHz_Ant1_NTHV



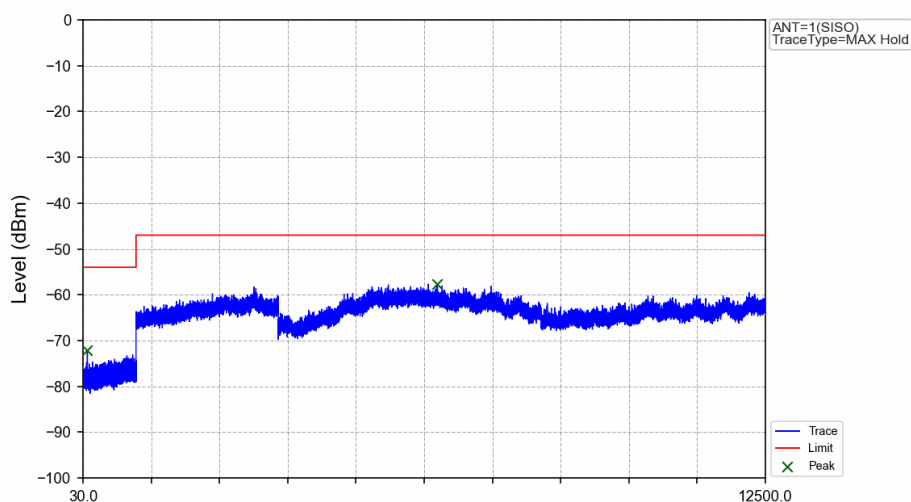
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	893.150	-73.24	/	-54	Pass
1000	12500	1	1	7079.000	-58.65	/	-47	Pass

GFSK_DH5_2480MHz_Ant1_NTHV



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	110.000	-72.13	/	-54	Pass
1000	12500	1	1	5344.000	-57.23	/	-47	Pass

Pi/4DQPSK_2DH5_2402MHz_Ant1_NTHV



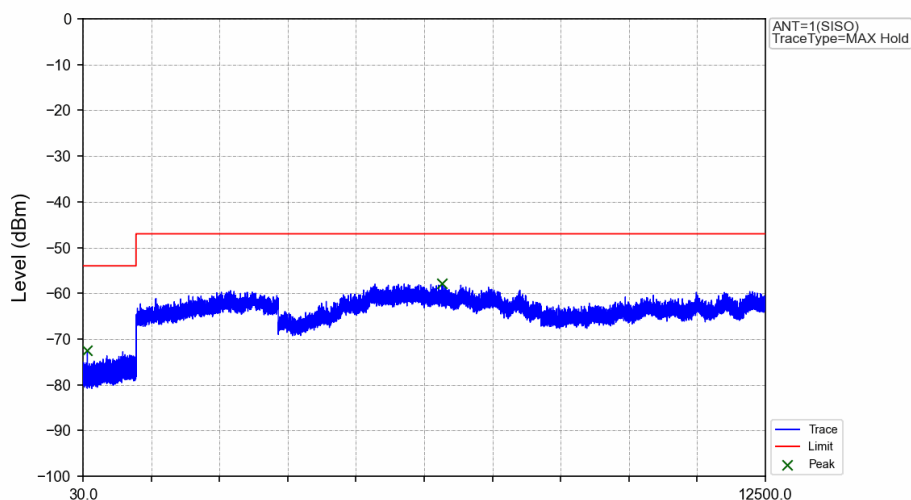
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.000	-72.14	/	-54	Pass
1000	12500	1	1	6502.000	-57.66	/	-47	Pass



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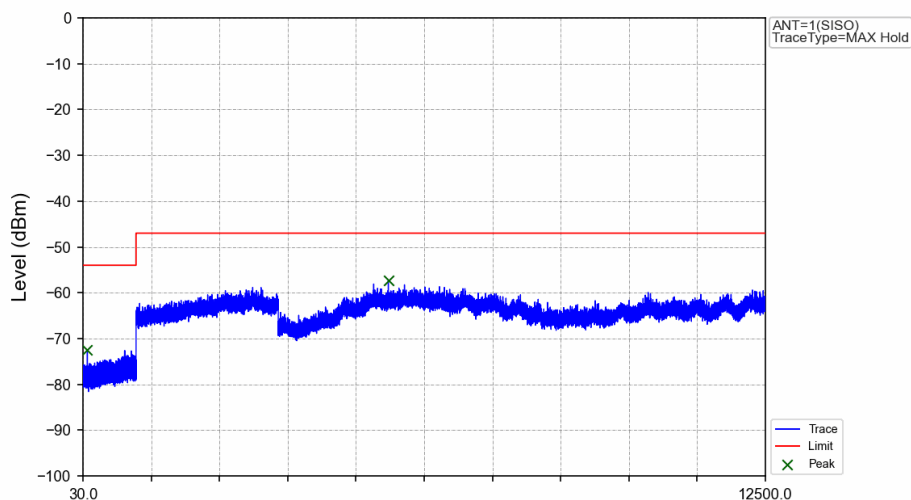
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Pi/4DQPSK_2DH5_2441MHz_Ant1_NTHV



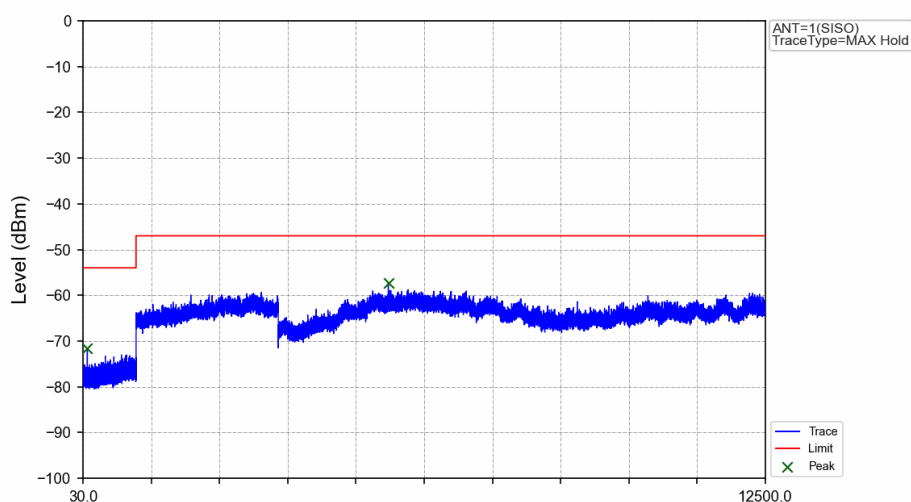
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.000	-72.47	/	-54	Pass
1000	12500	1	1	6591.500	-57.93	/	-47	Pass

Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV



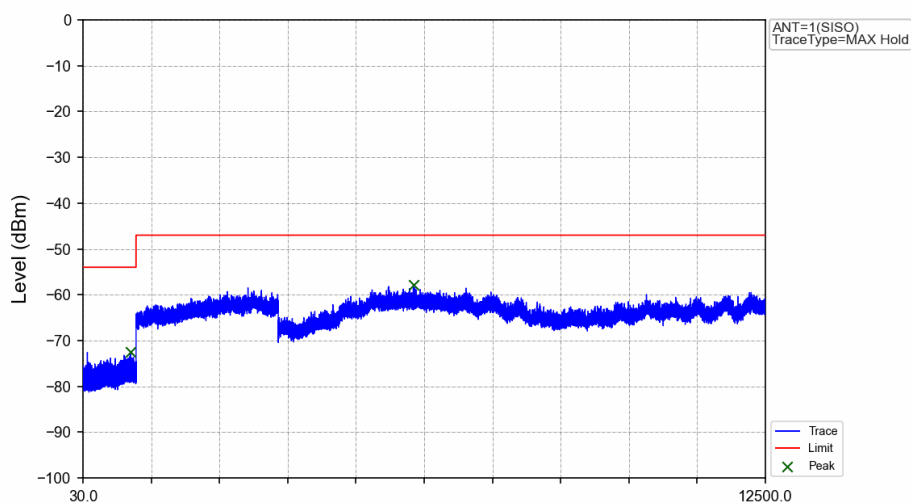
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	110.000	-72.54	/	-54	Pass
1000	12500	1	1	5609.500	-57.25	/	-47	Pass

8DPSK_3DH5_2402MHz_Ant1_NTHV



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	110.000	-71.66	/	-54	Pass
1000	12500	1	1	5609.500	-57.26	/	-47	Pass

8DPSK_3DH5_2441MHz_Ant1_NTHV



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	902.300	-72.54	/	-54	Pass
1000	12500	1	1	6066.500	-57.86	/	-47	Pass

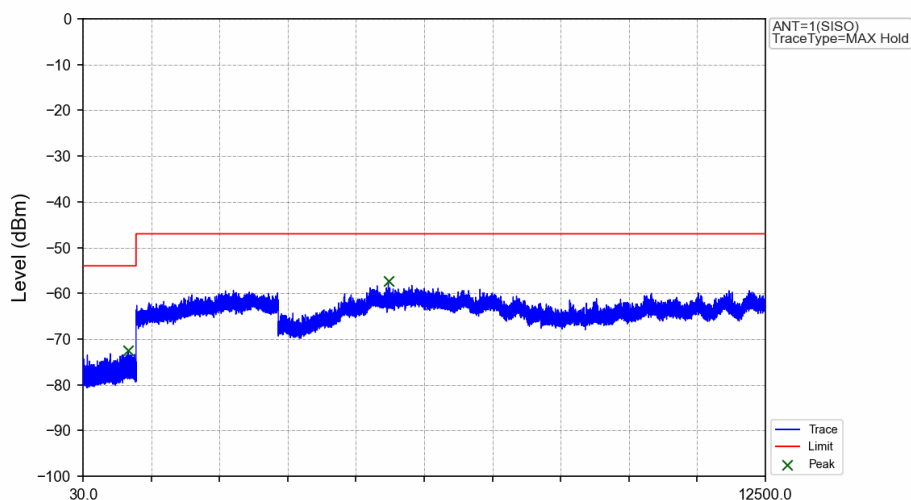


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8DPSK 3DH5 2480MHz Ant1 NTHV



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	856.650	-72.56	/	-54	Pass
1000	12500	1	1	5609.500	-57.35	/	-47	Pass

- End of the Report -