

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Bluetooth headset

Trade Mark: YYK

Test Model: YYK-A90 Pro

FCC ID: 2AOZMYK-A90PRO

Environmental Conditions

Temperature:	22.5
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Tony lu
Supervised by:	Max zhang
NOTE	N/A

1. Bandwidth

1.1 Test Result

1.1.1 OBW

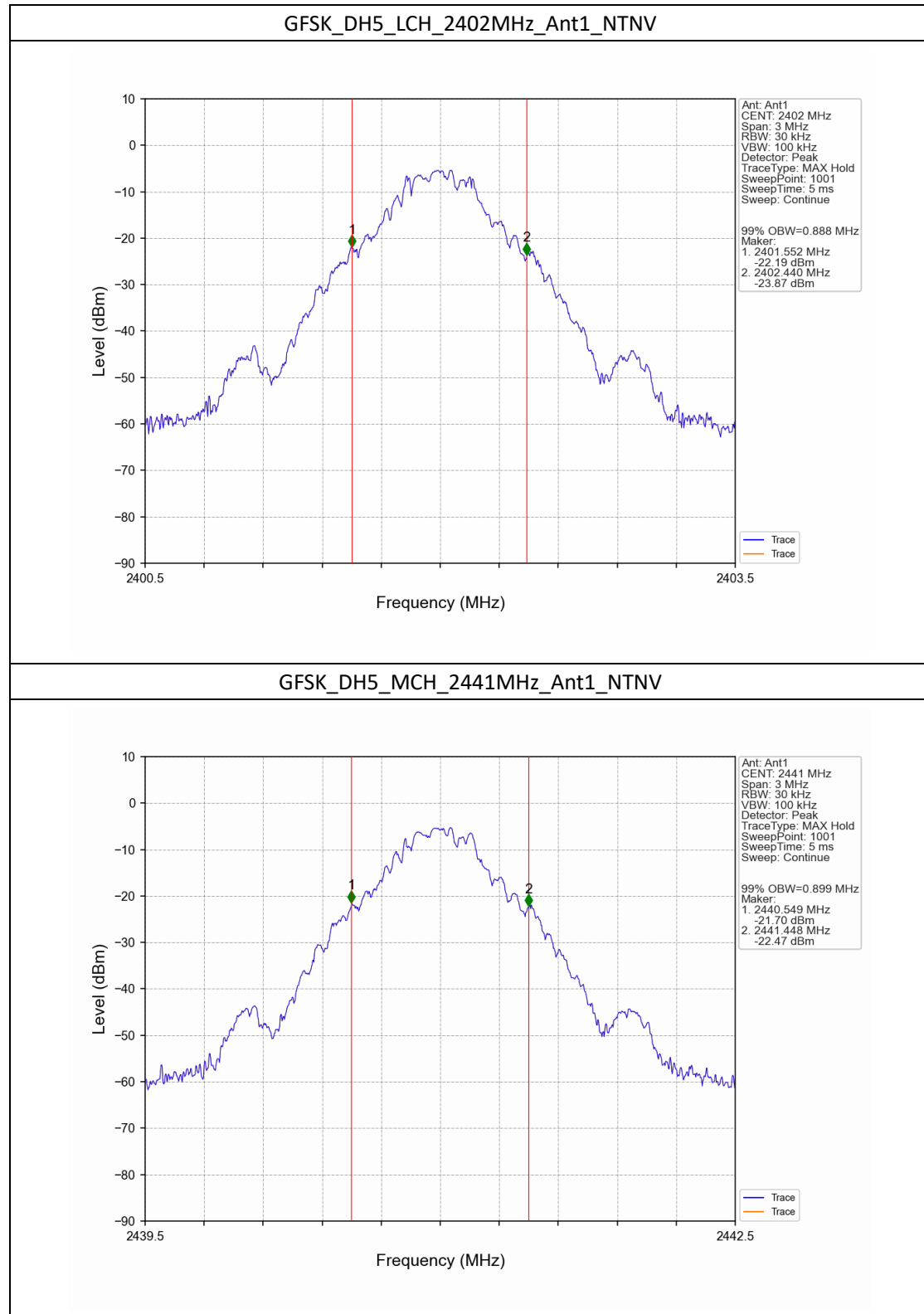
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.888	/	Pass
		2441	DH5	1	0.899	/	Pass
		2480	DH5	1	0.898	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.186	/	Pass
		2441	2DH5	1	1.182	/	Pass
		2480	2DH5	1	1.185	/	Pass

1.1.2 20dB BW

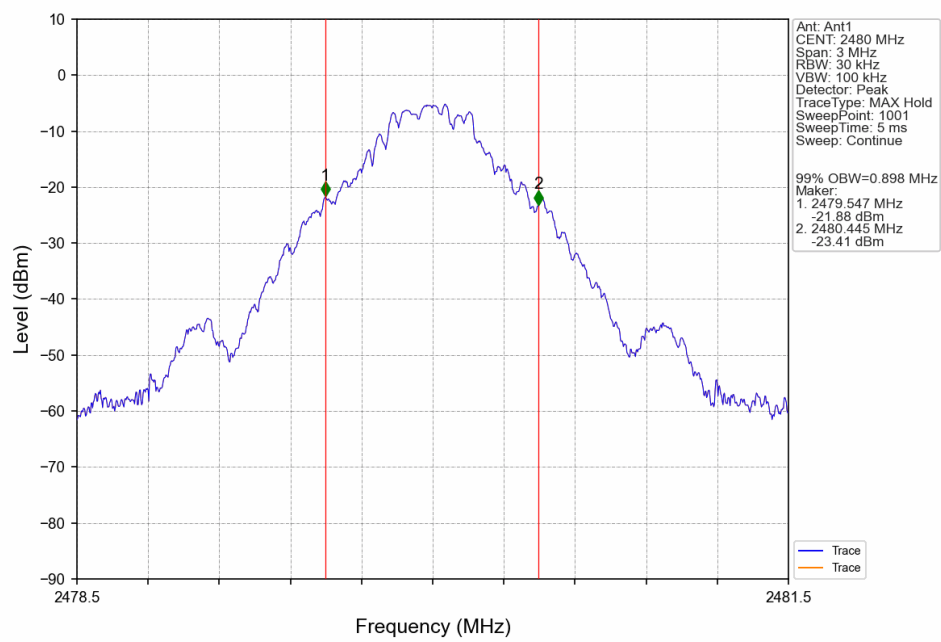
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.981	/	Pass
		2441	DH5	1	1.014	/	Pass
		2480	DH5	1	1.028	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.289	/	Pass
		2441	2DH5	1	1.293	/	Pass
		2480	2DH5	1	1.314	/	Pass

1.2 Test Graph

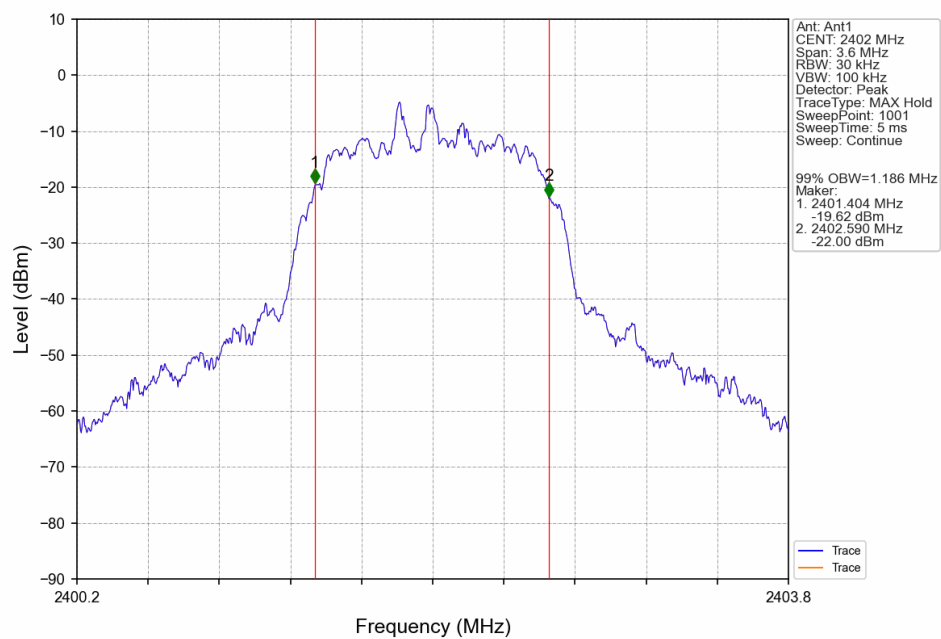
1.2.1 OBW



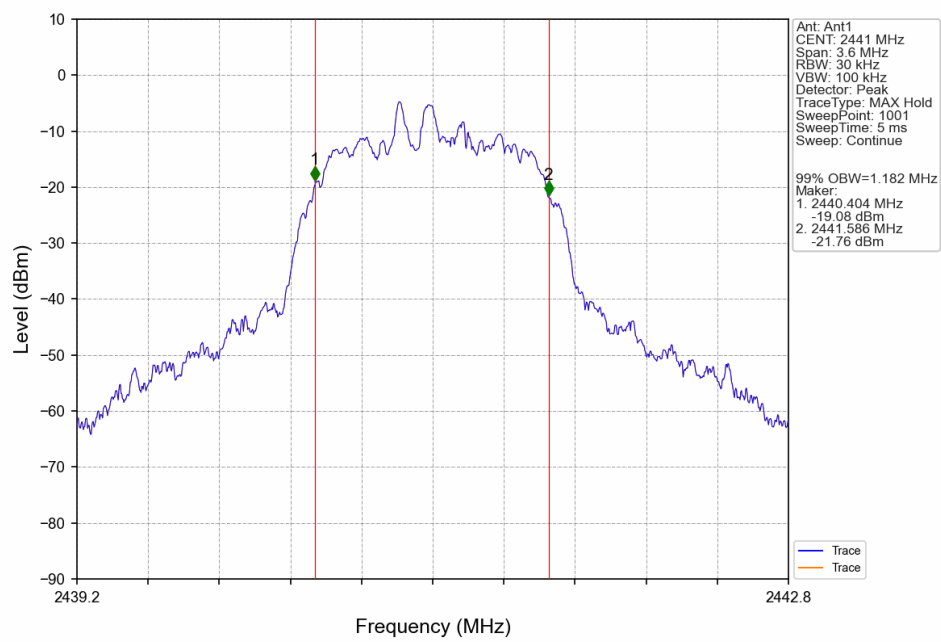
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



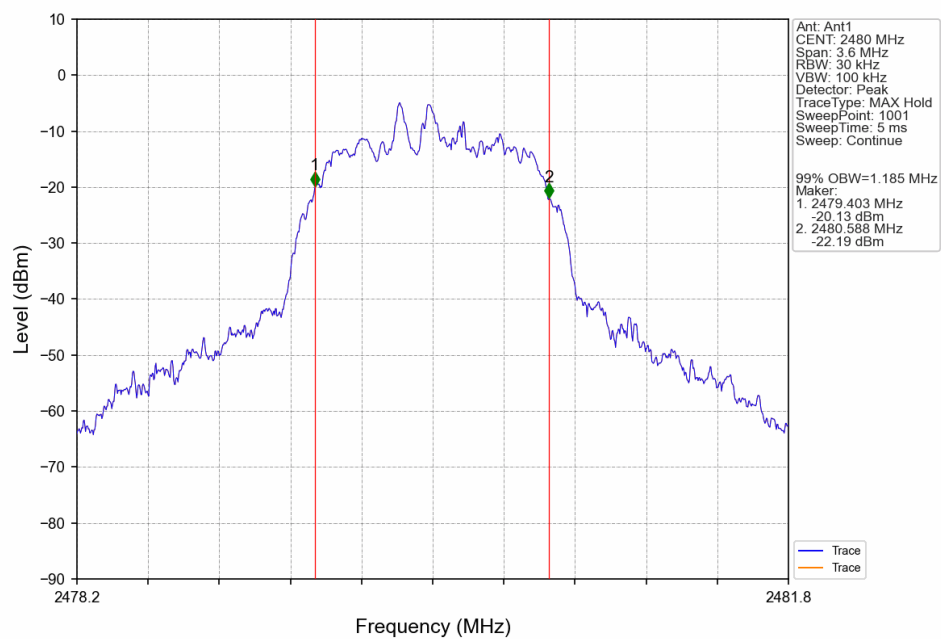
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



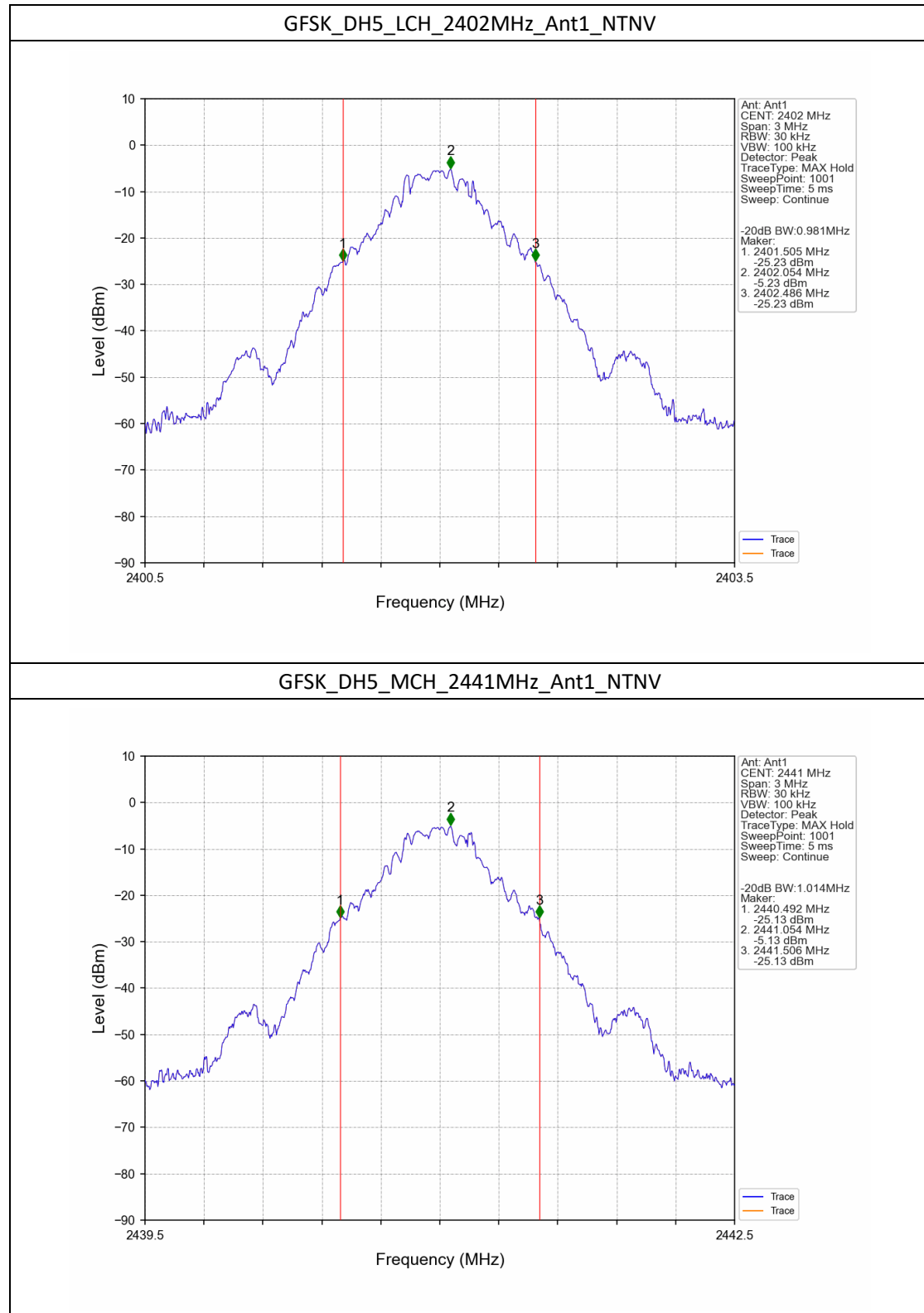
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



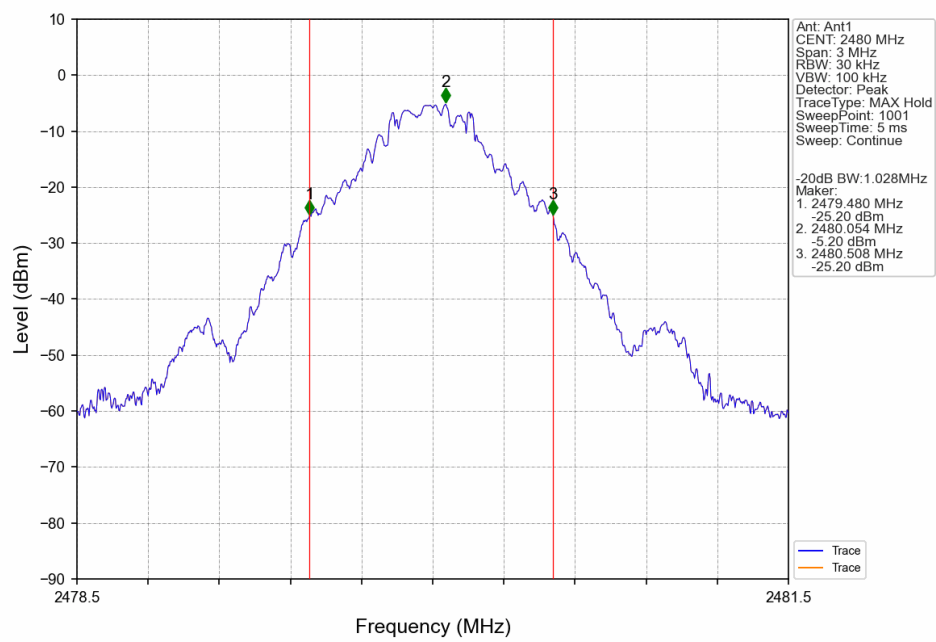
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



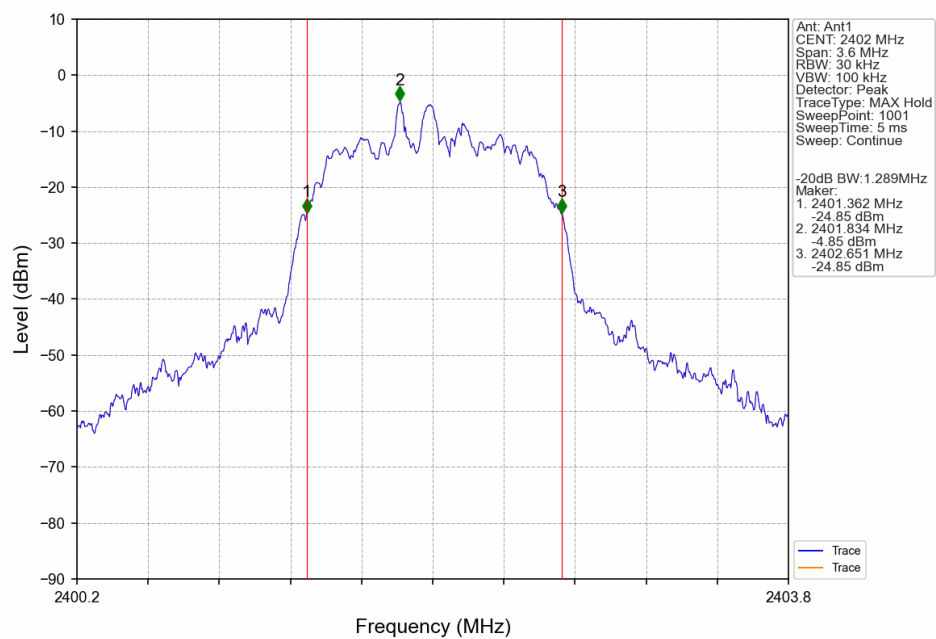
1.2.2 20dB BW



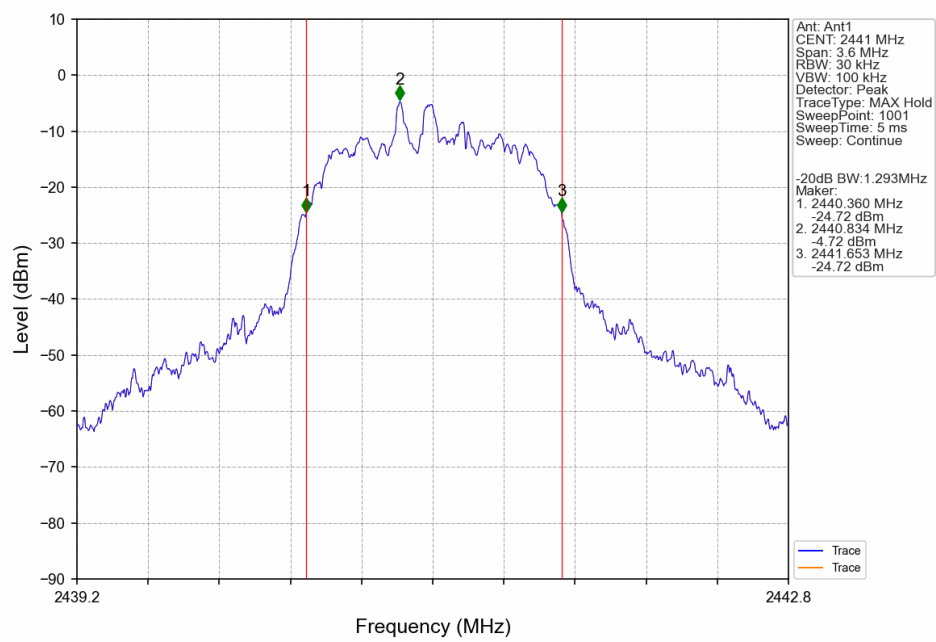
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



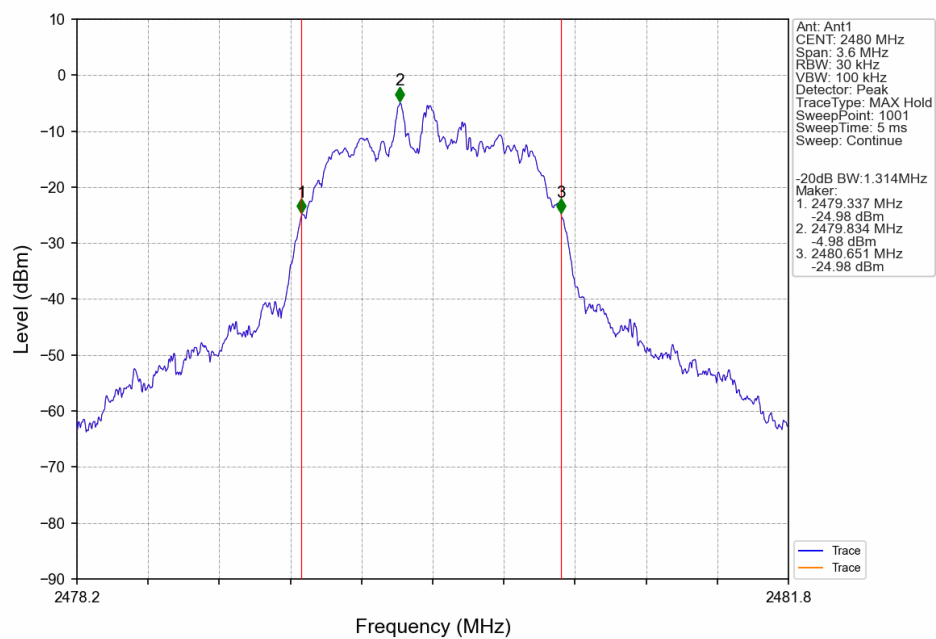
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-2.79	<=20.97	Pass
		2441	DH5	-2.61	<=20.97	Pass
		2480	DH5	-2.70	<=20.97	Pass
Pi/4DQPSK	SISO	2402	2DH5	-1.65	<=20.97	Pass
		2441	2DH5	-1.61	<=20.97	Pass
		2480	2DH5	-1.82	<=20.97	Pass
Note1: Antenna Gain: Ant1: 1.70dBi;						

3. Carrier Frequency Separation

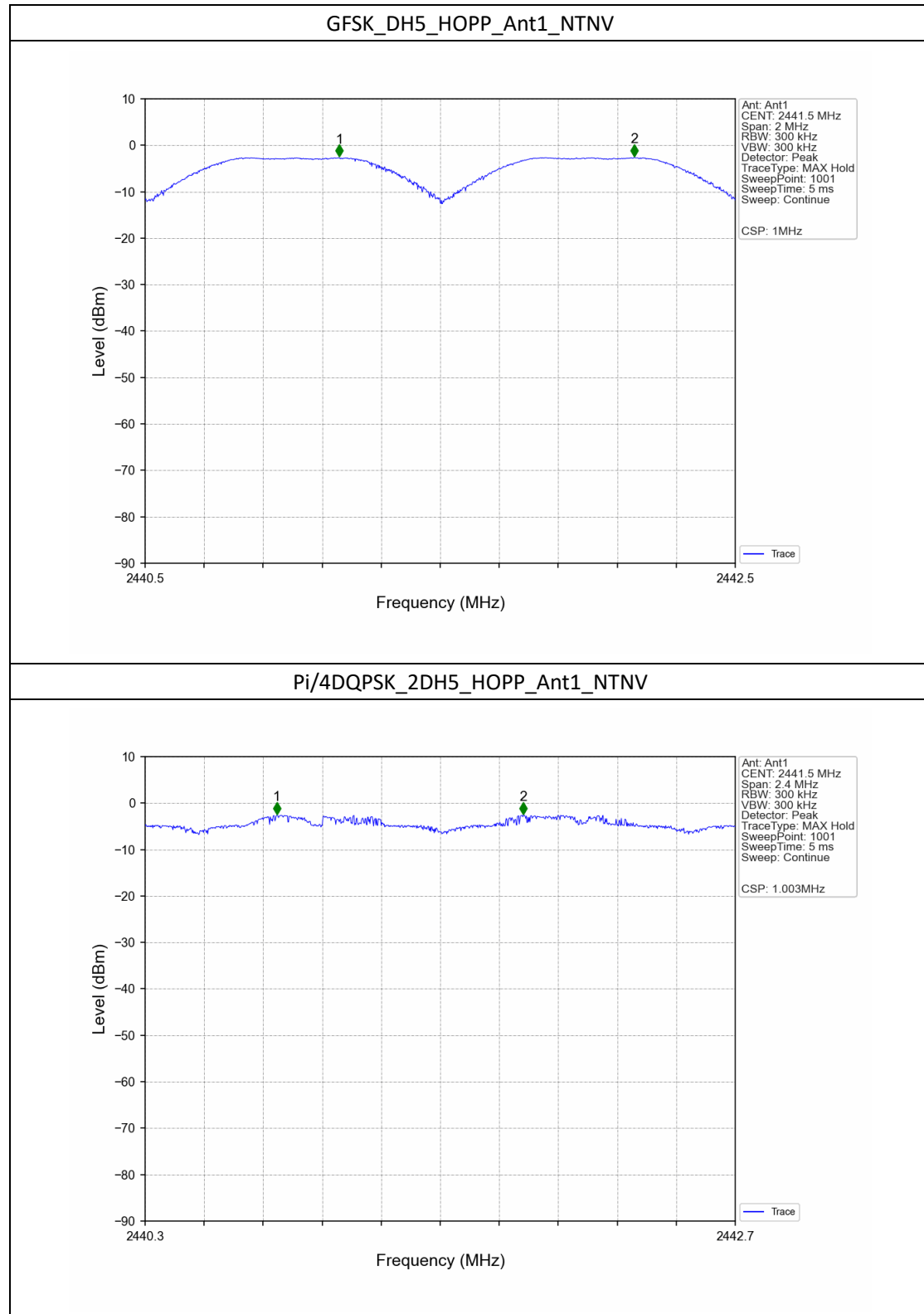
3.1 Test Result

3.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	1.028	>=0.685	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.003	1.314	>=0.876	Pass

3.2 Test Graph

3.2.1 Ant1



4. Number of Hopping Frequencies

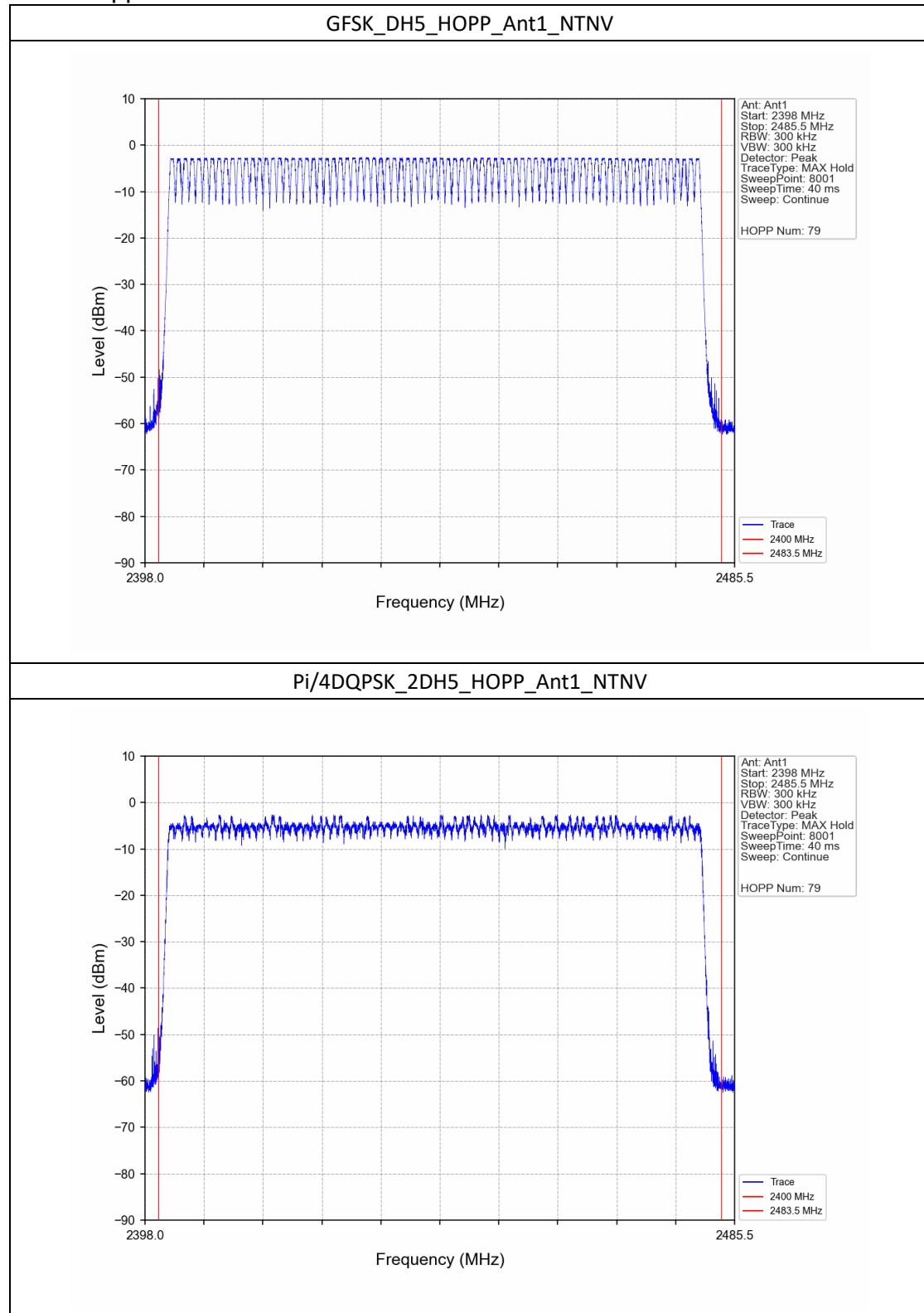
4.1 Test Result

4.1.1 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

4.2 Test Graph

4.2.1 HoppNum



5. Time of Occupancy (Dwell Time)

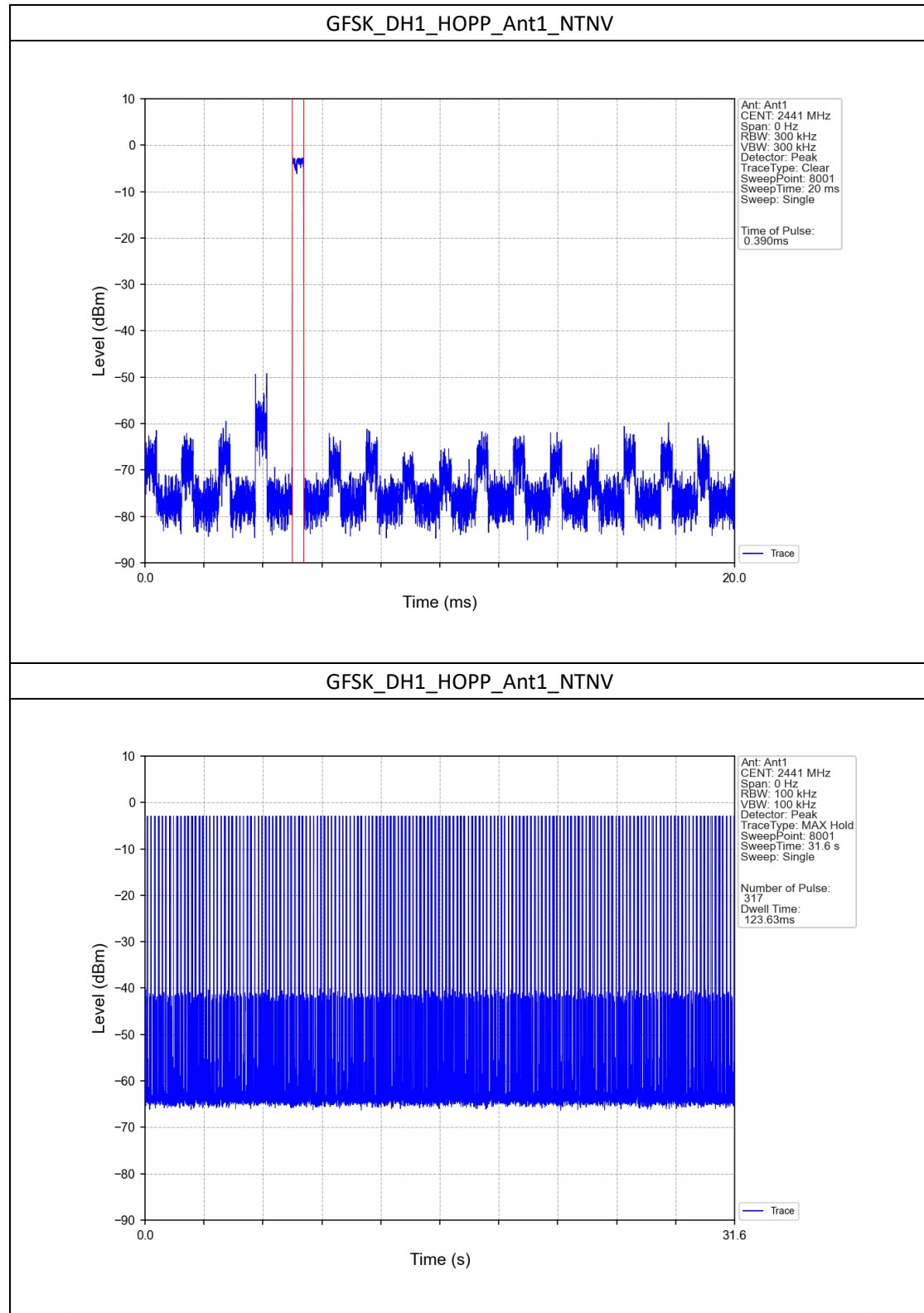
5.1 Test Result

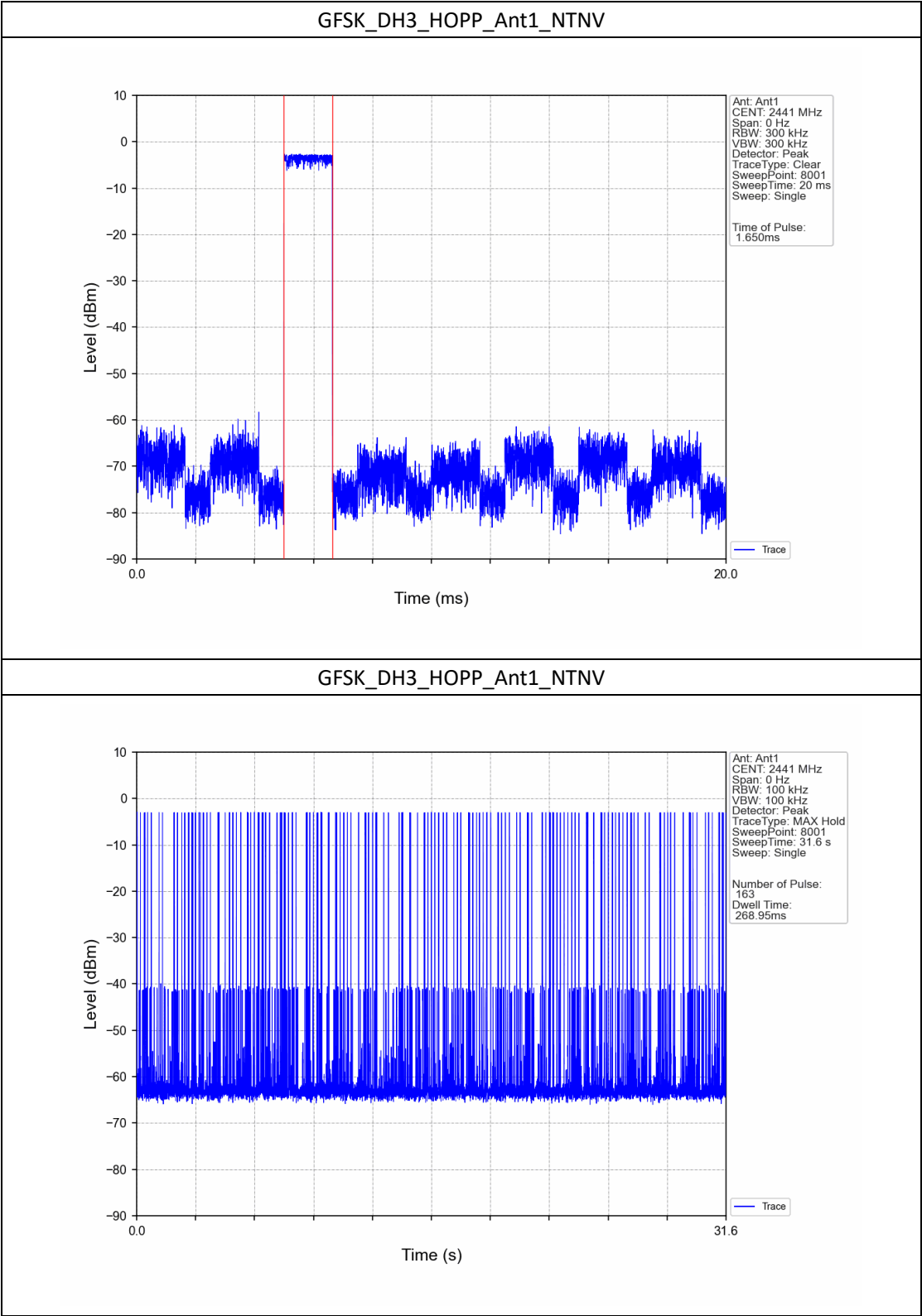
5.1.1 Ant1

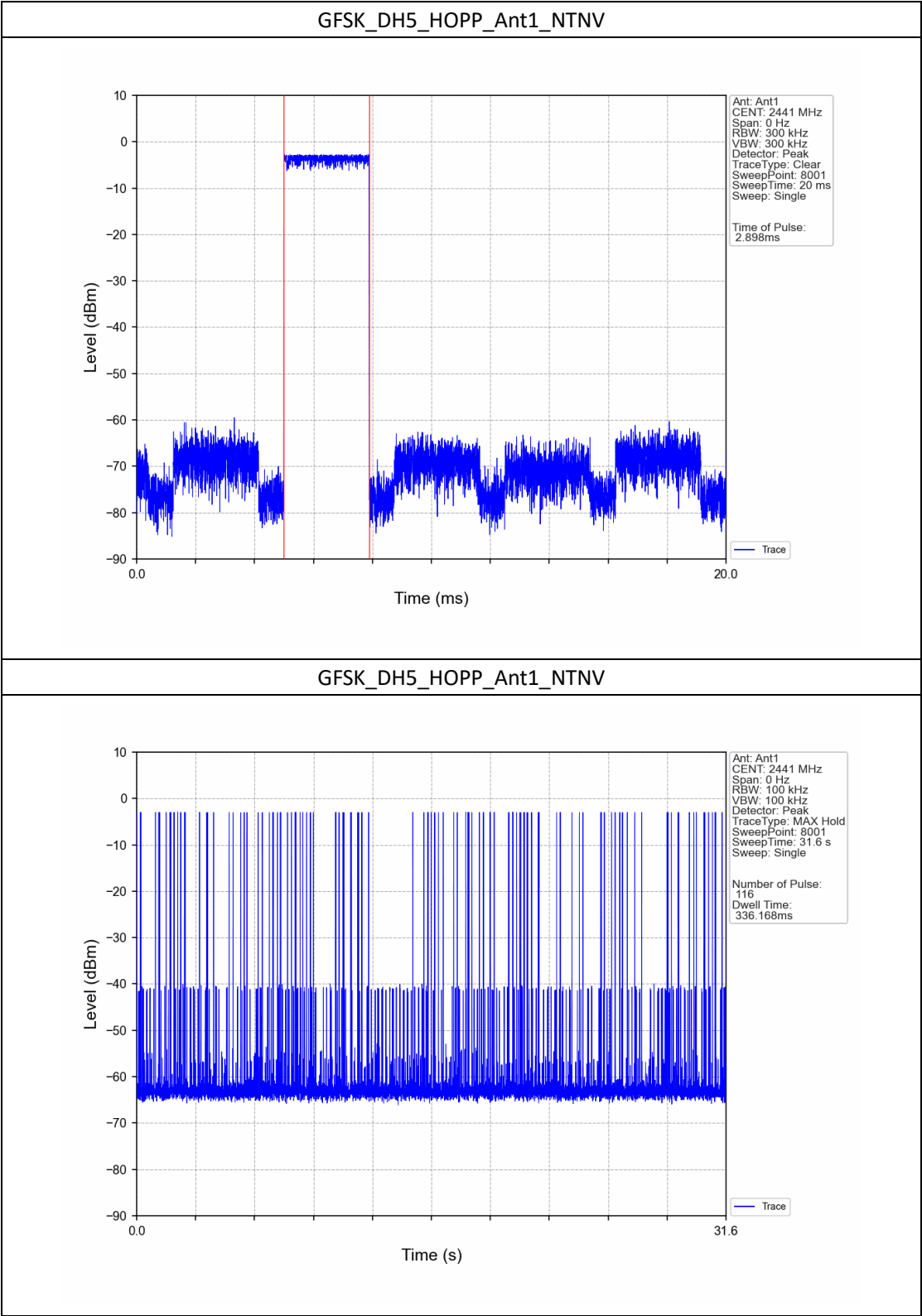
Ant1									
Mode	Tx Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.390	31.600	317	123.630	<=400	Pass
			DH3	1.650	31.600	163	268.950	<=400	Pass
			DH5	2.898	31.600	116	336.168	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.395	31.600	320	126.400	<=400	Pass
			2DH3	1.650	31.600	149	245.850	<=400	Pass
			2DH5	2.898	31.600	85	246.330	<=400	Pass

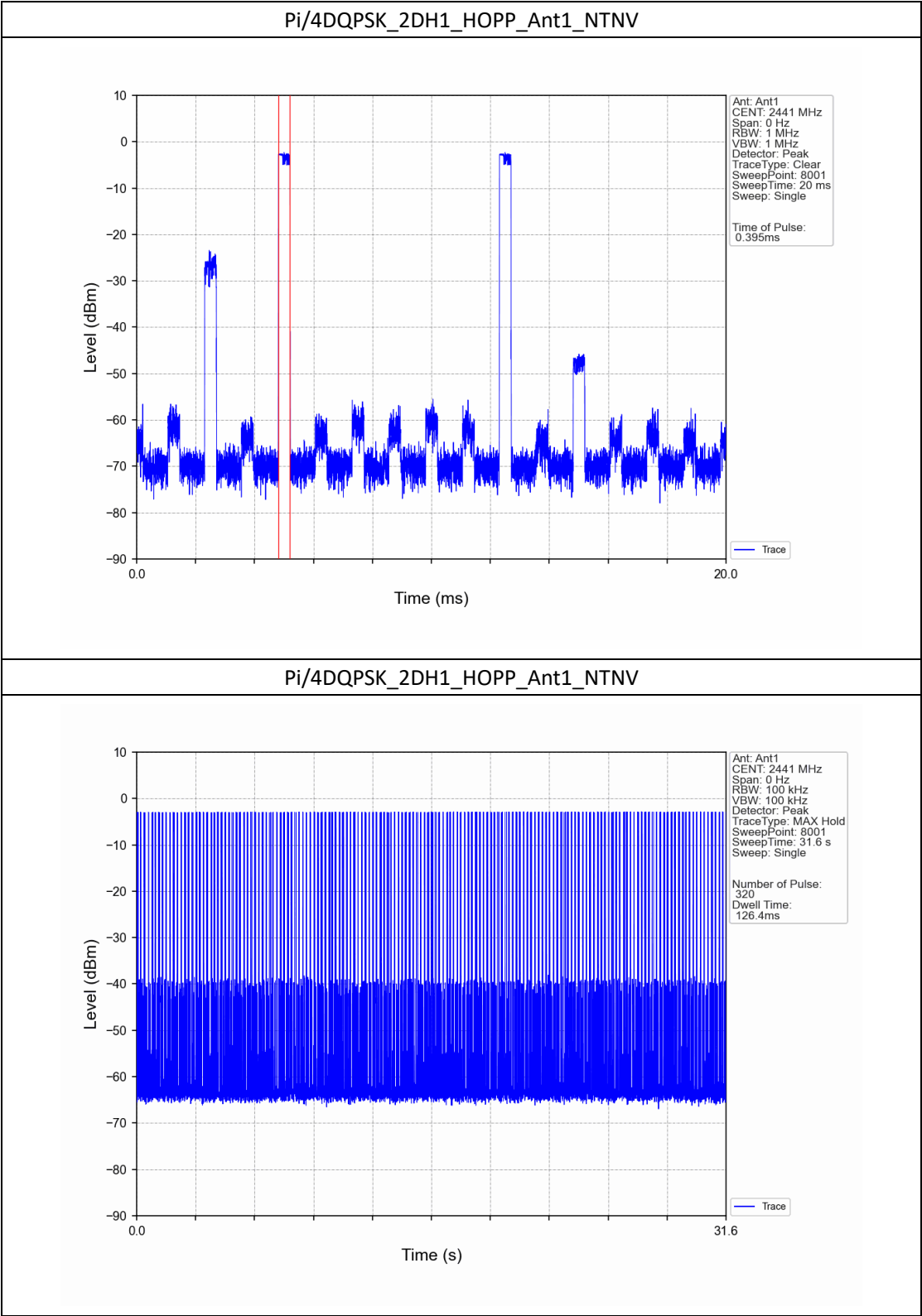
5.2 Test Graph

5.2.1 Ant1

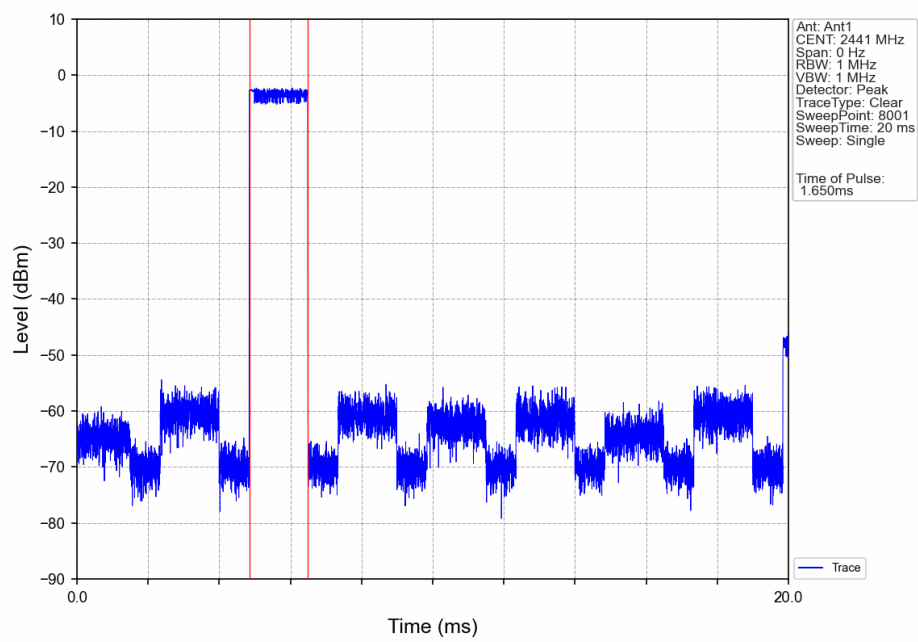




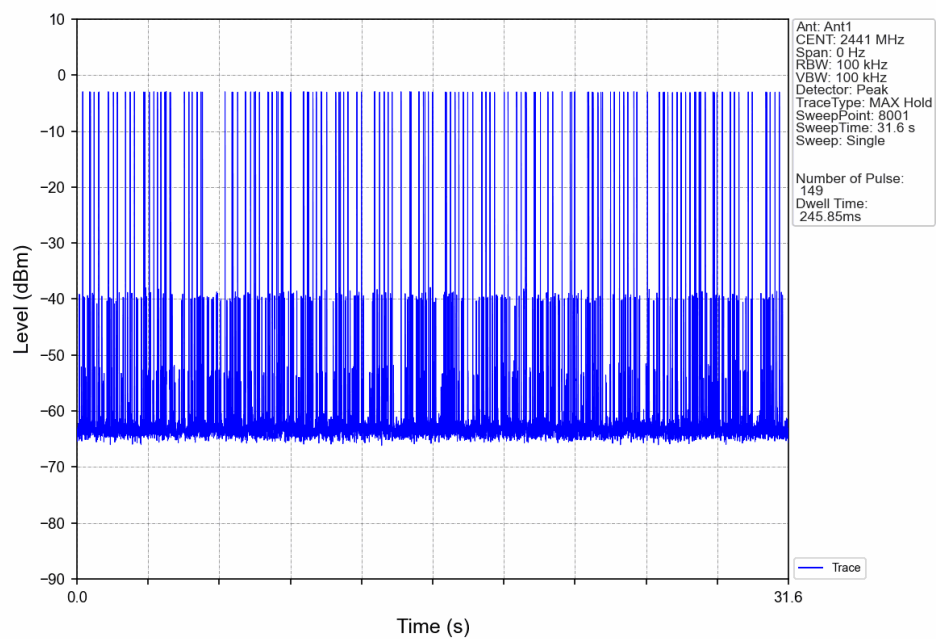


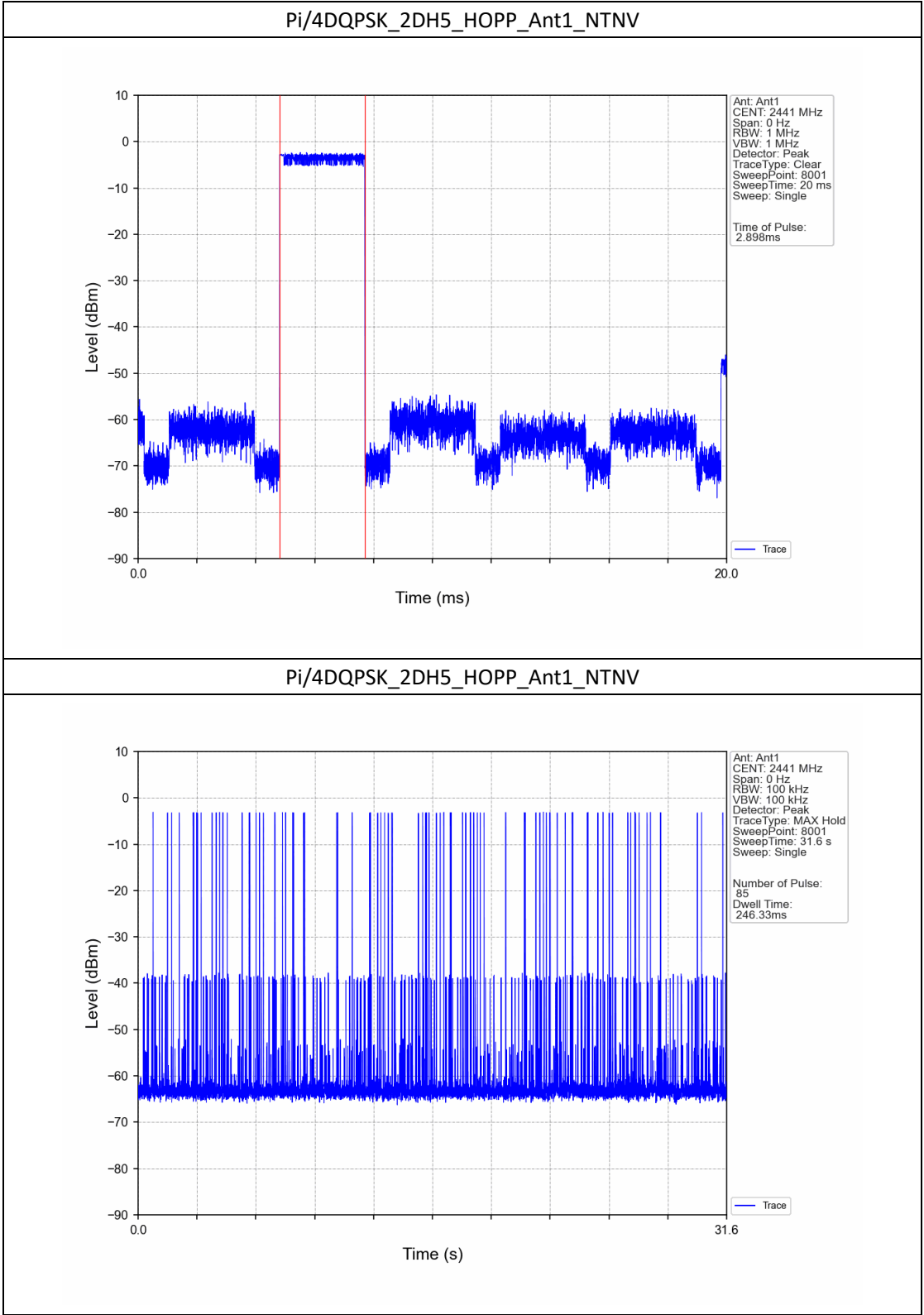


Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV





6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Test Result

6.1.1 Ref

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-2.75
		2441	DH5	1	-2.61
		2480	DH5	1	-2.71
Pi/4DQPSK	SISO	2402	2DH5	1	-2.65
		2441	2DH5	1	-2.52
		2480	2DH5	1	-2.61

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.

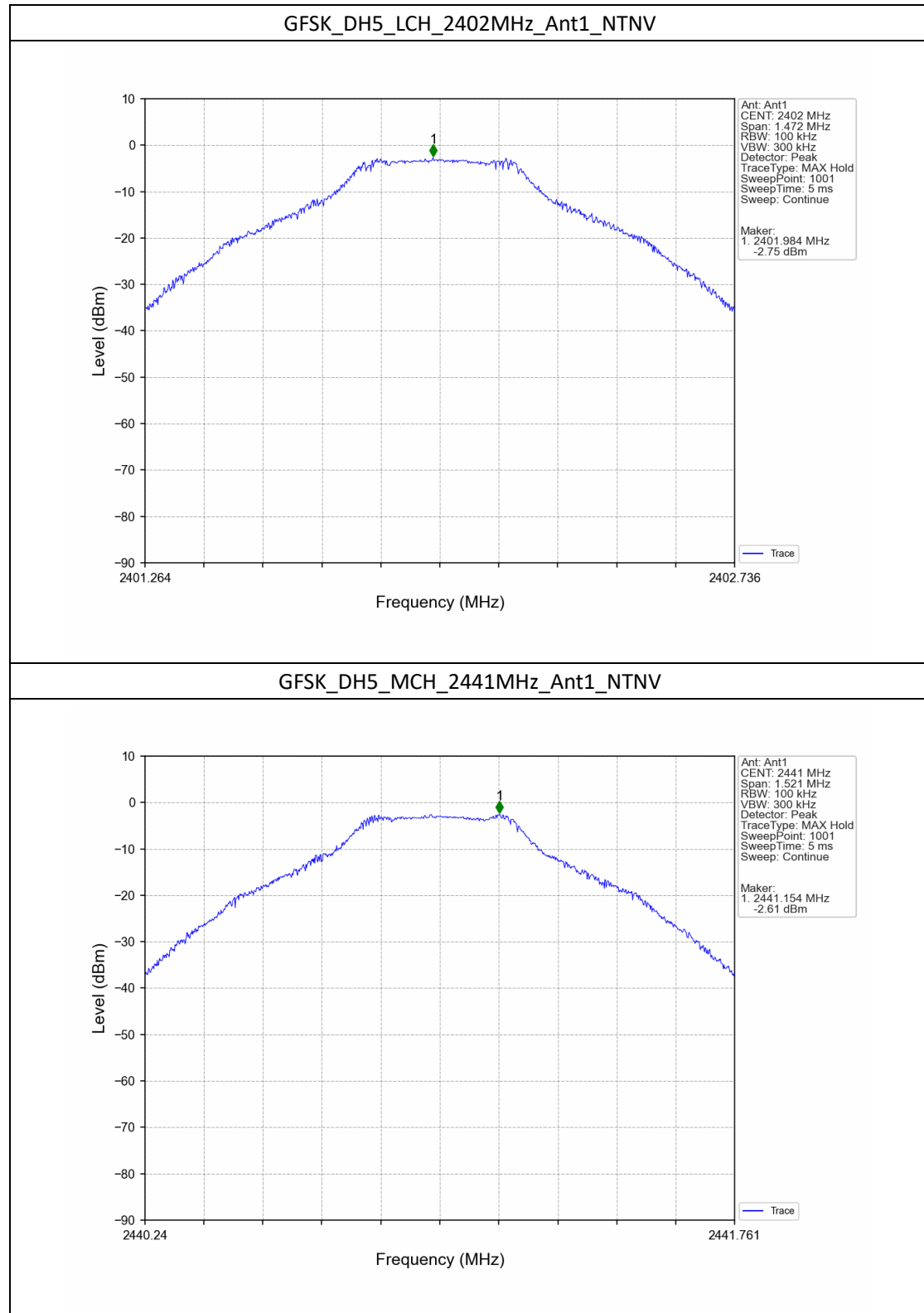
6.1.2 CSE

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-2.61	-22.61	Pass
		2441	DH5	1	-2.61	-22.61	Pass
		2480	DH5	1	-2.61	-22.61	Pass
		HOPP	DH5	1	-2.61	-22.61	Pass
					-2.61	-22.61	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-2.52	-22.52	Pass
		2441	2DH5	1	-2.52	-22.52	Pass
		2480	2DH5	1	-2.52	-22.52	Pass
		HOPP	2DH5	1	-2.52	-22.52	Pass
					-2.52	-22.52	Pass

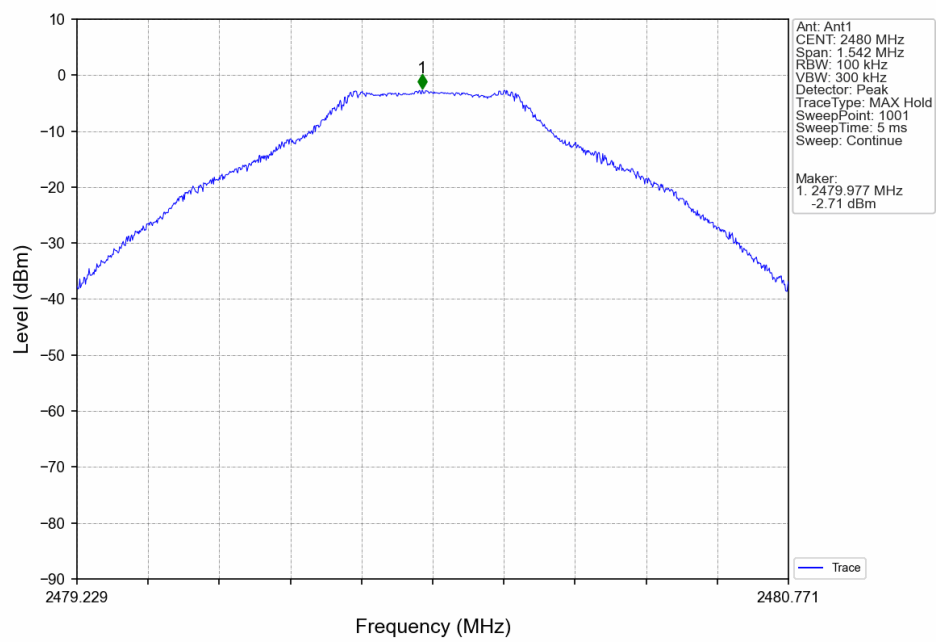
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

6.2 Test Graph

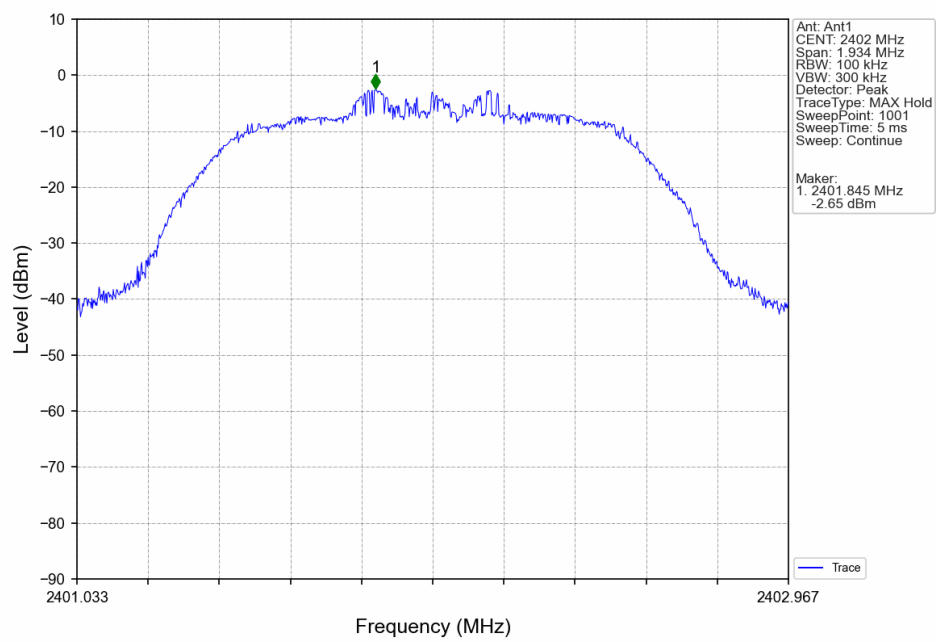
6.2.1 Ref



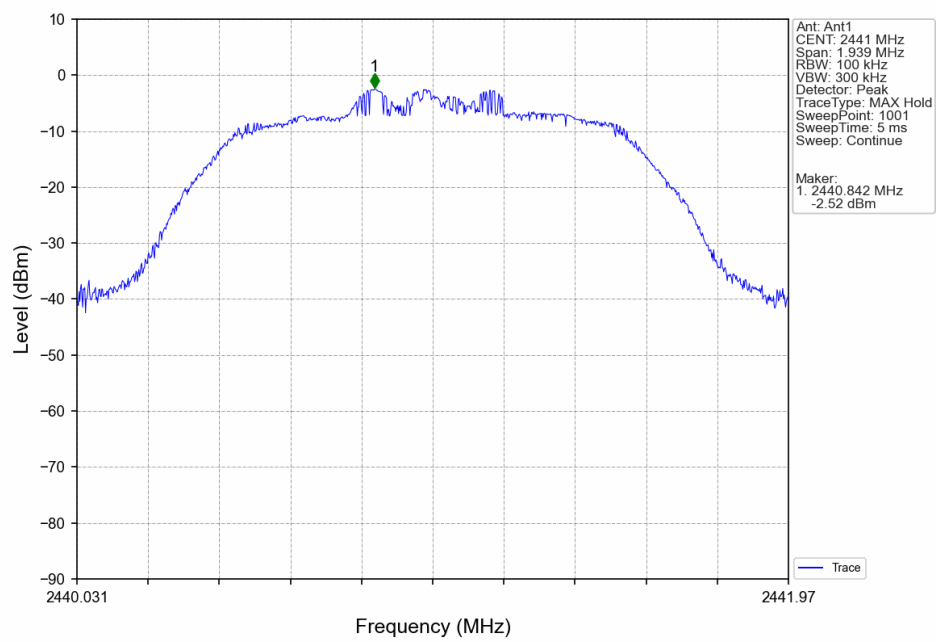
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



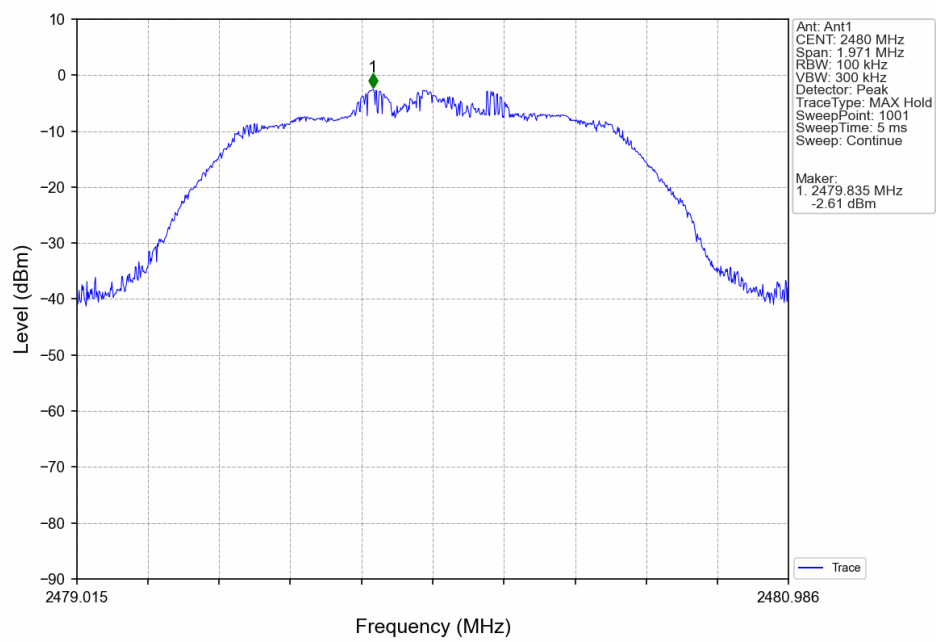
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



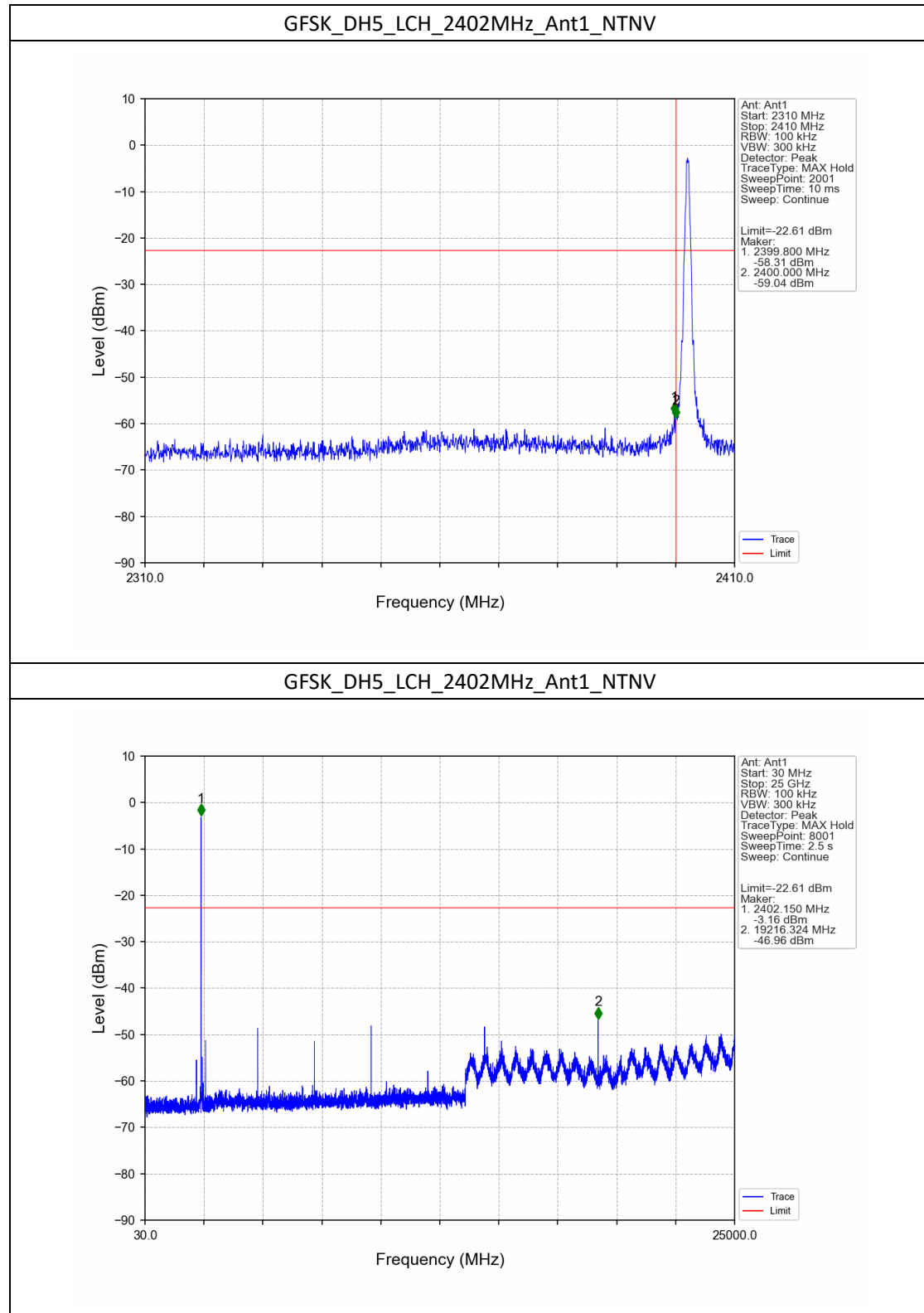
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



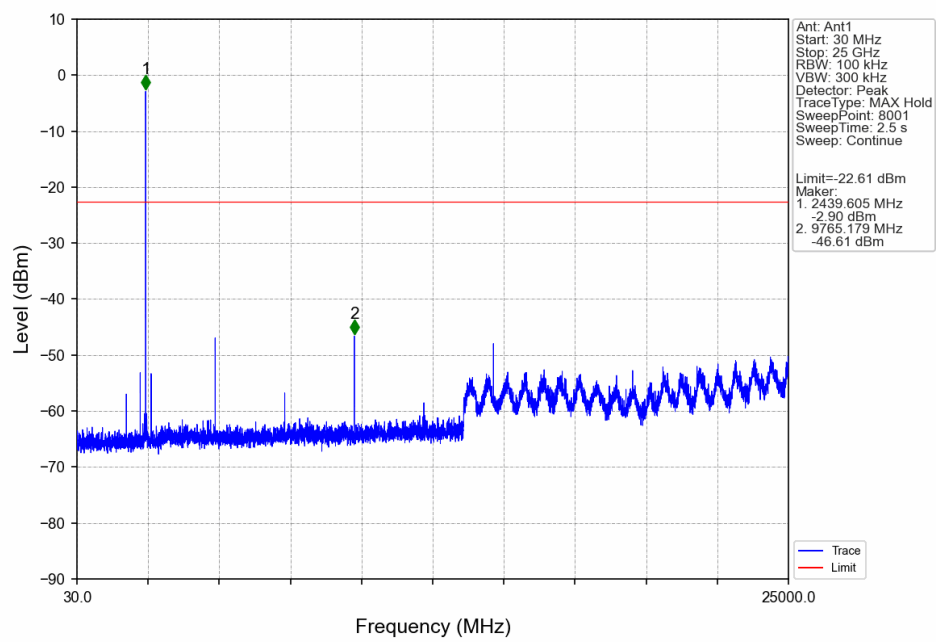
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



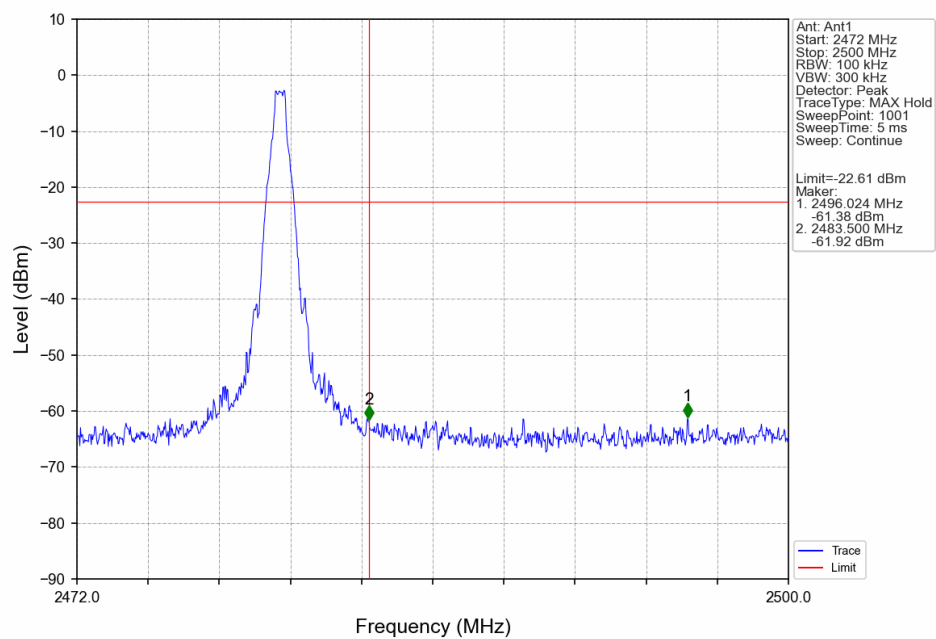
6.2.2 CSE



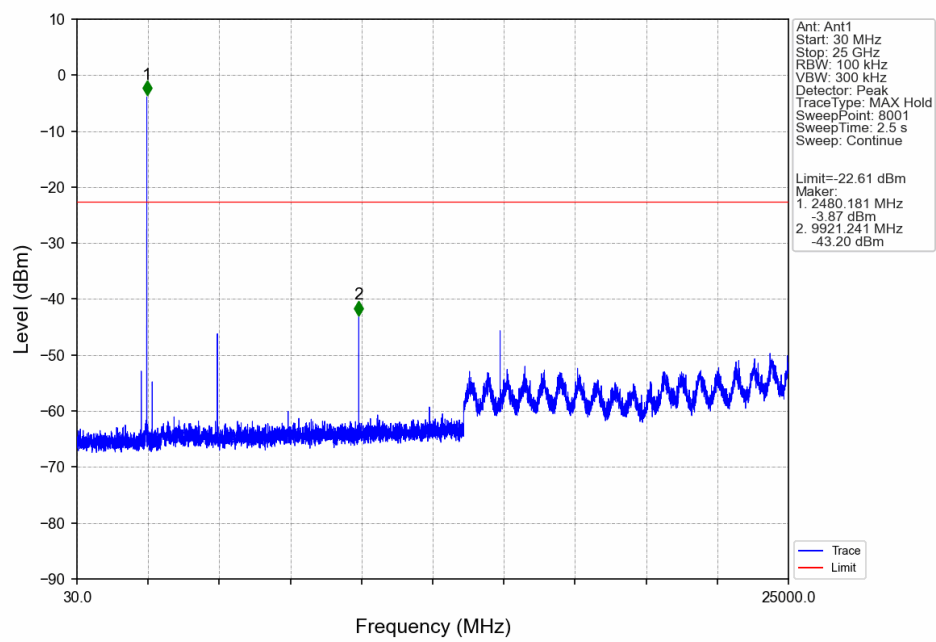
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



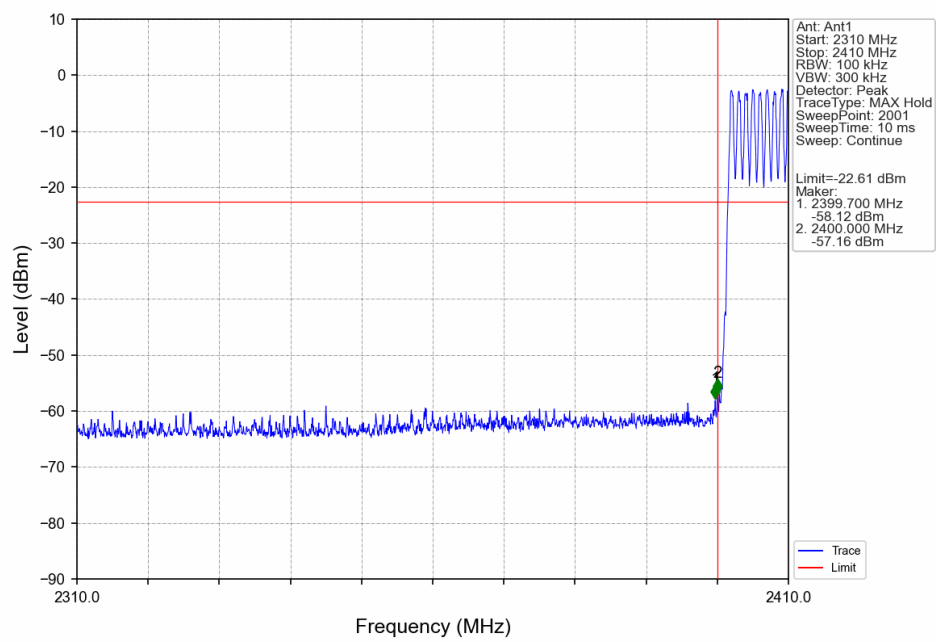
GFSK_DH5_HCH_2480MHz_Ant1_NTNV

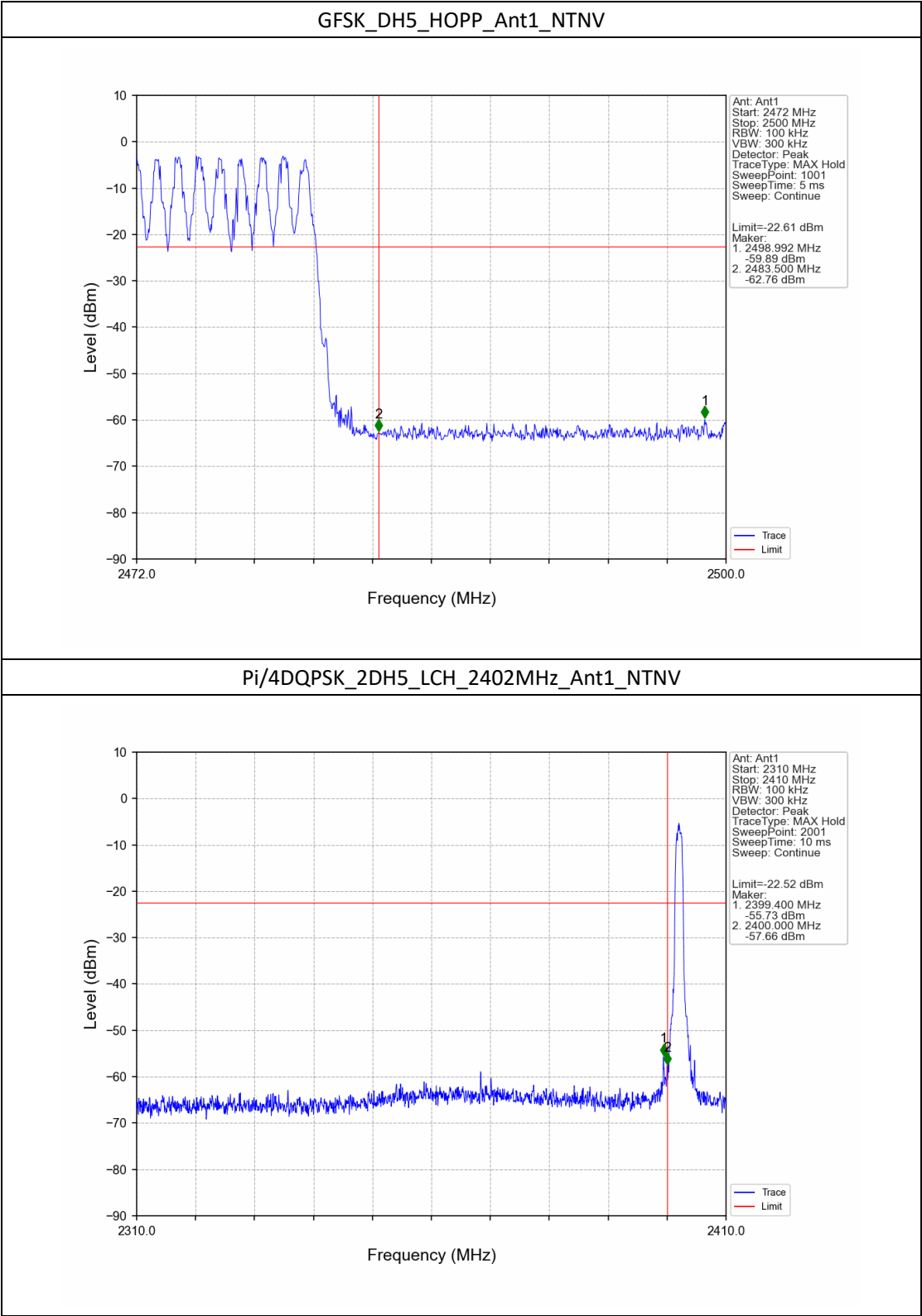


GFSK_DH5_HCH_2480MHz_Ant1_NTNV

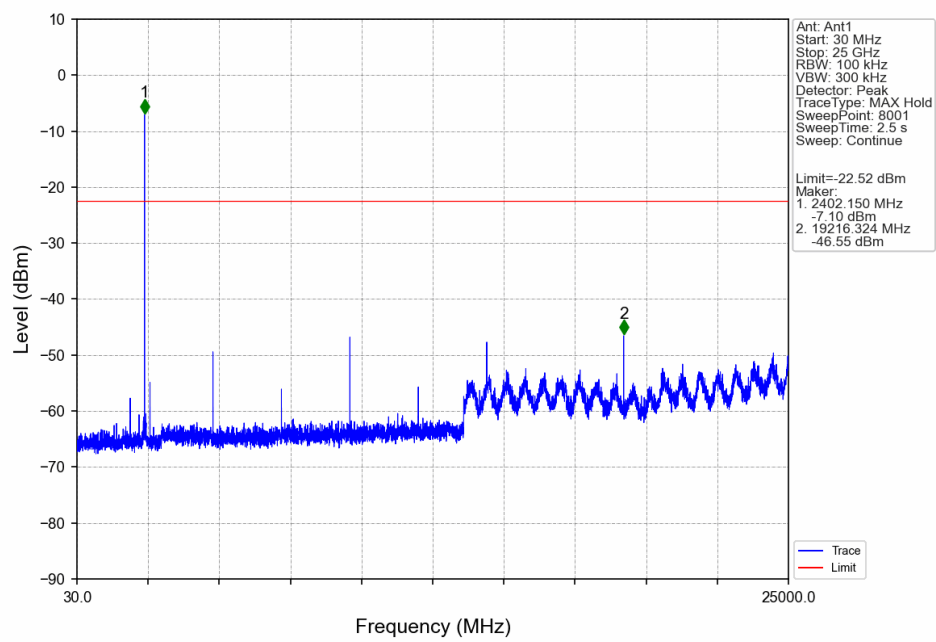


GFSK_DH5_HOPP_Ant1_NTNV

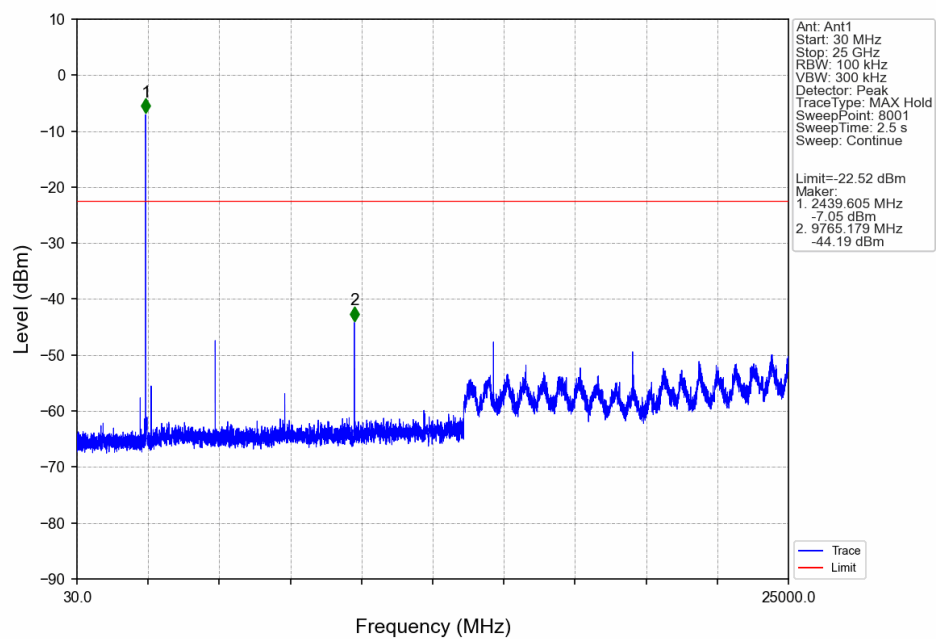




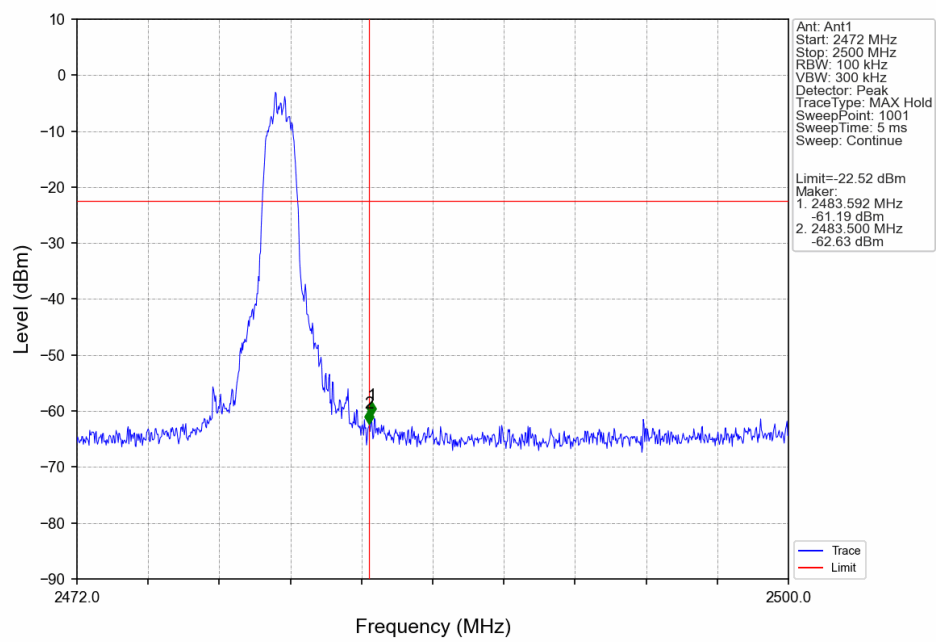
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



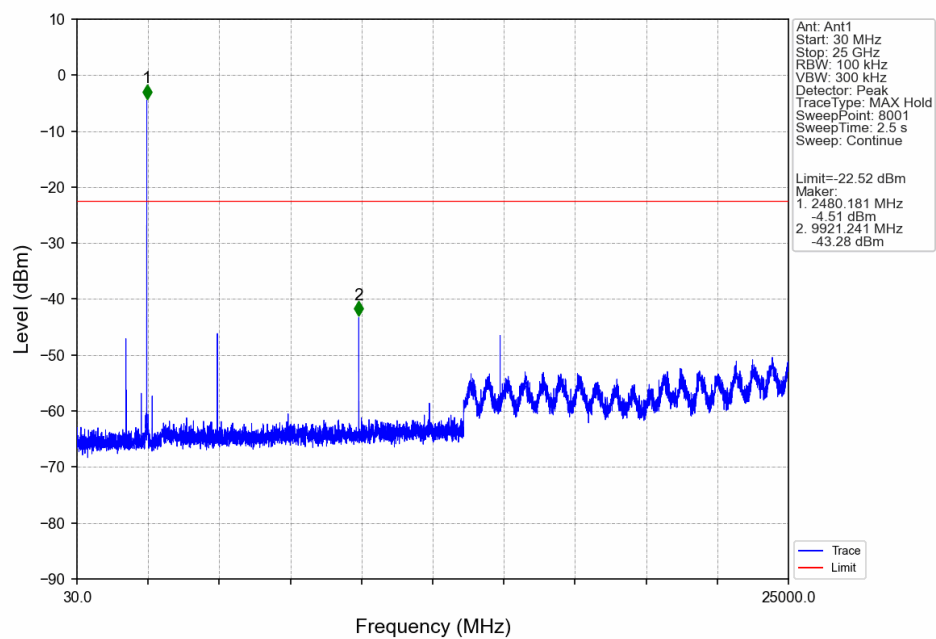
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



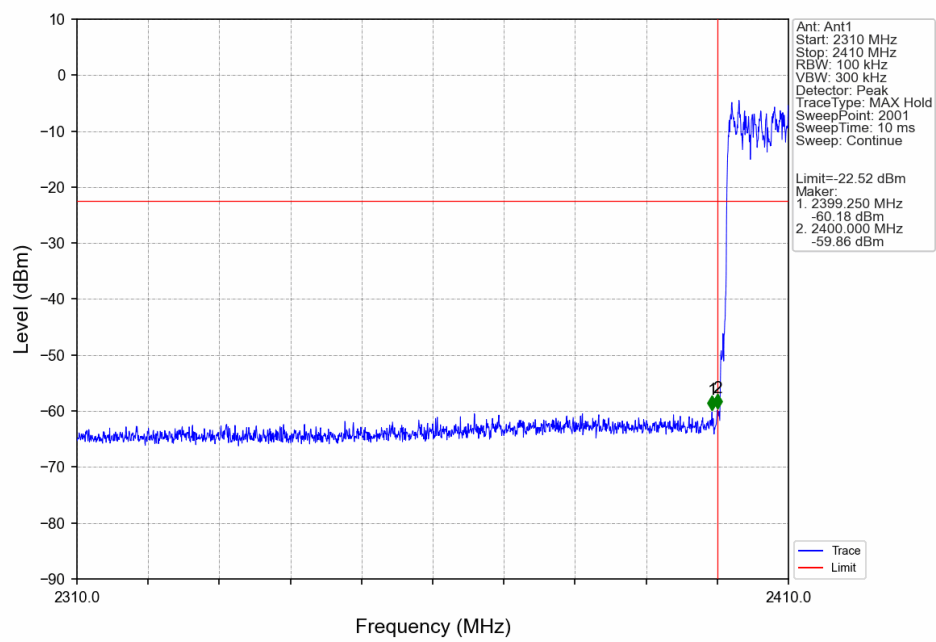
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



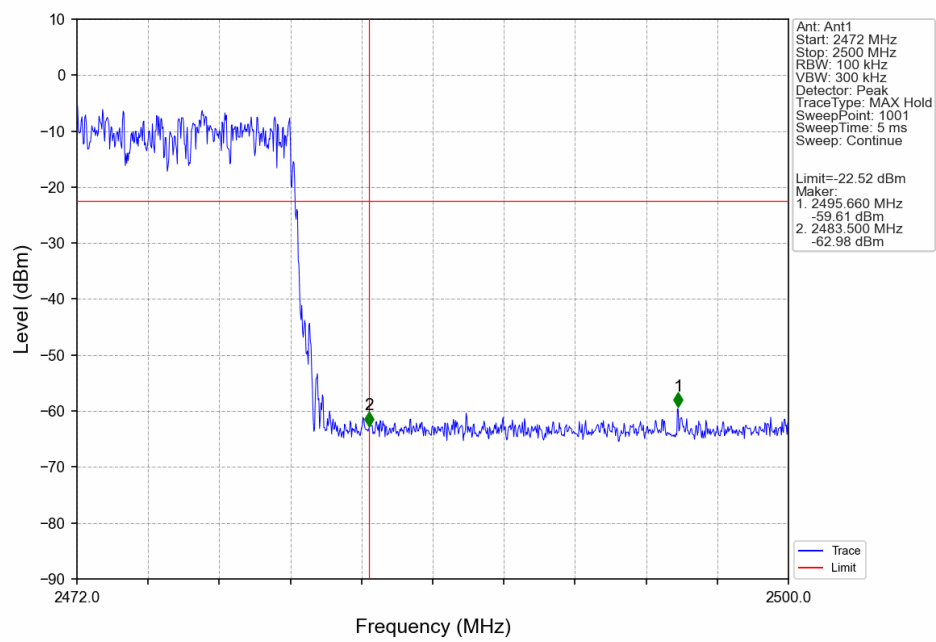
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



7. Form731

7.1 Test Result

7.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0007	-1.61