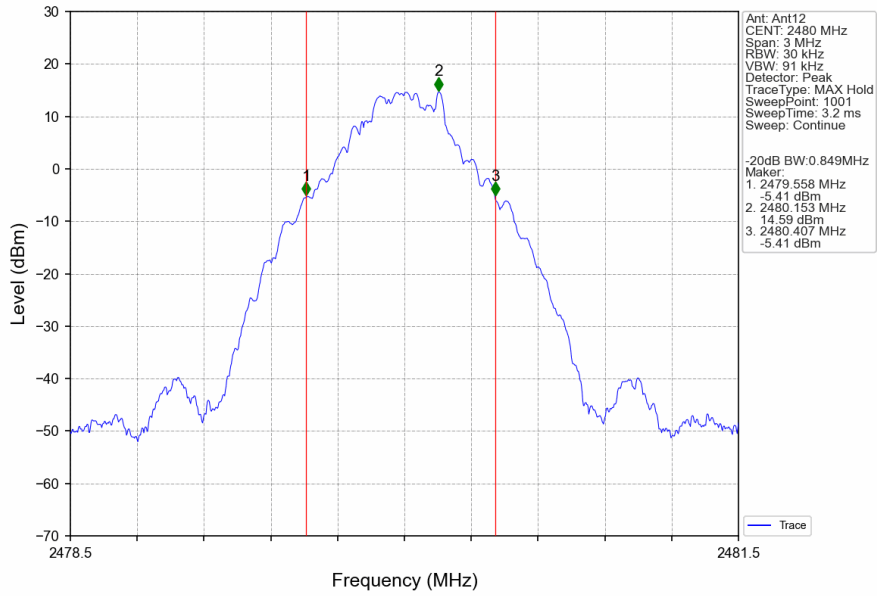
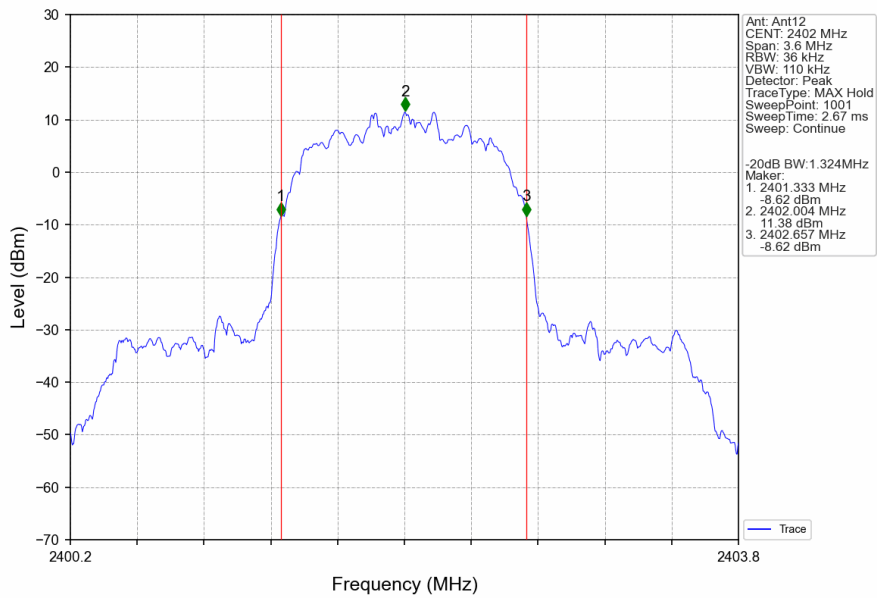


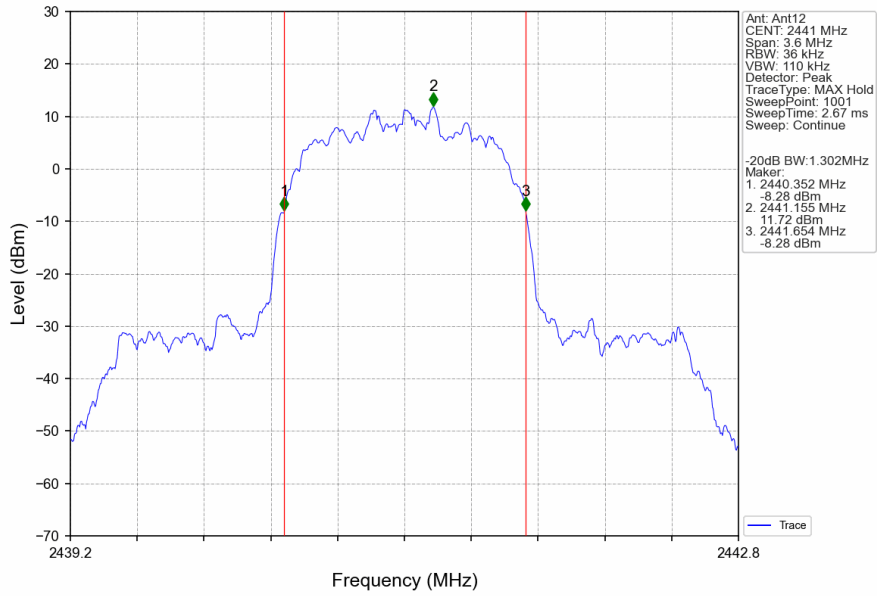
GFSK_DH5_HCH_2480MHz_Ant12_NTNV



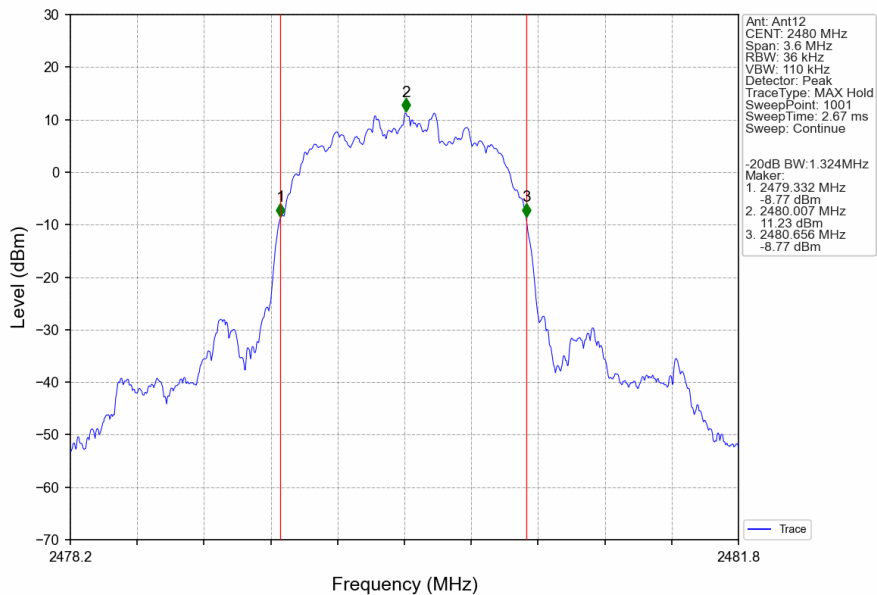
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant12_NTNV



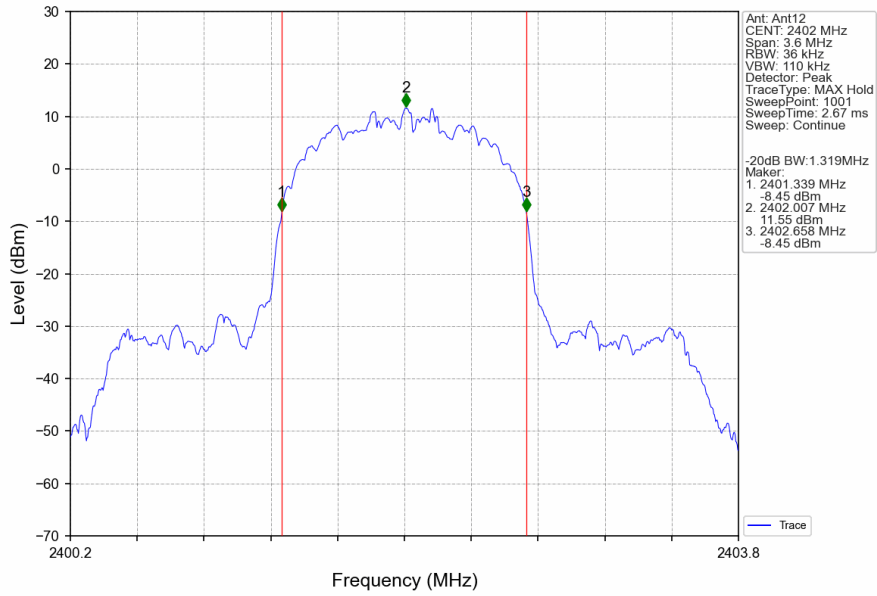
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant12_NTNV



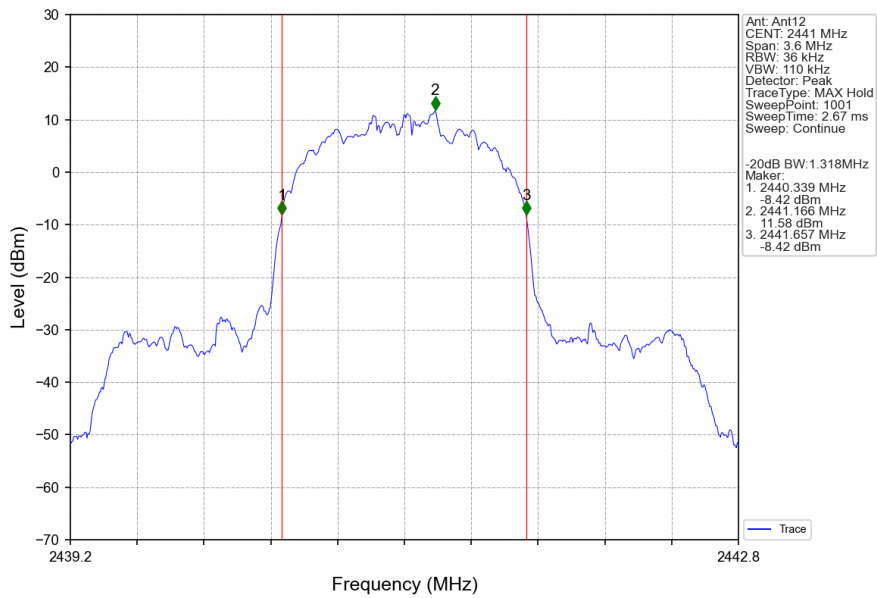
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant12_NTNV



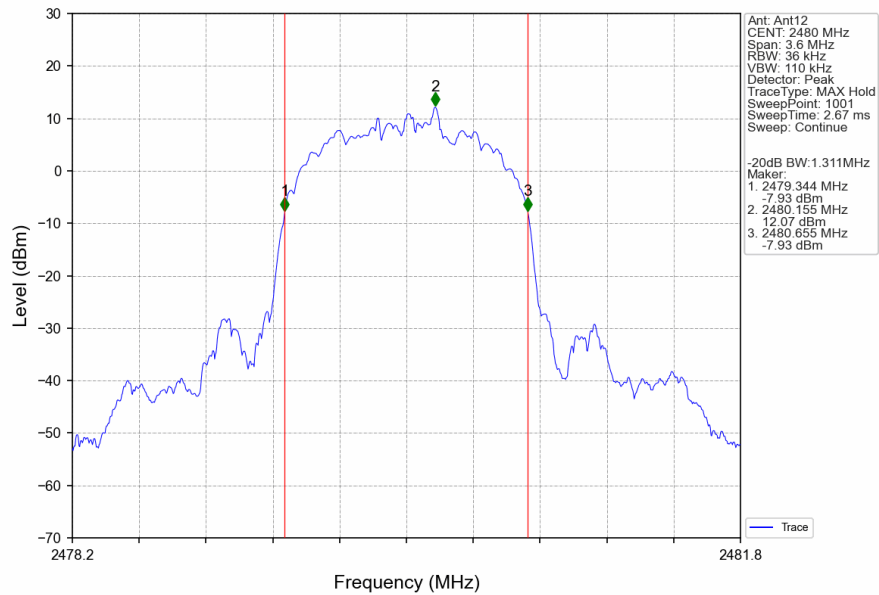
8DPSK_3DH5_LCH_2402MHz_Ant12_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant12_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant12_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
				ANT12	Limit	
GFSK	SISO	2402	DH5	15.79	<=30	Pass
		2441	DH5	15.56	<=30	Pass
		2480	DH5	14.93	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	15.26	<=20.97	Pass
		2441	2DH5	15.57	<=20.97	Pass
		2480	2DH5	14.85	<=20.97	Pass
8DPSK	SISO	2402	3DH5	15.53	<=20.97	Pass
		2441	3DH5	15.61	<=20.97	Pass
		2480	3DH5	15.59	<=20.97	Pass

Note1: Antenna Gain: Ant12: -1.70dBi;

4. Carrier Frequency Separation

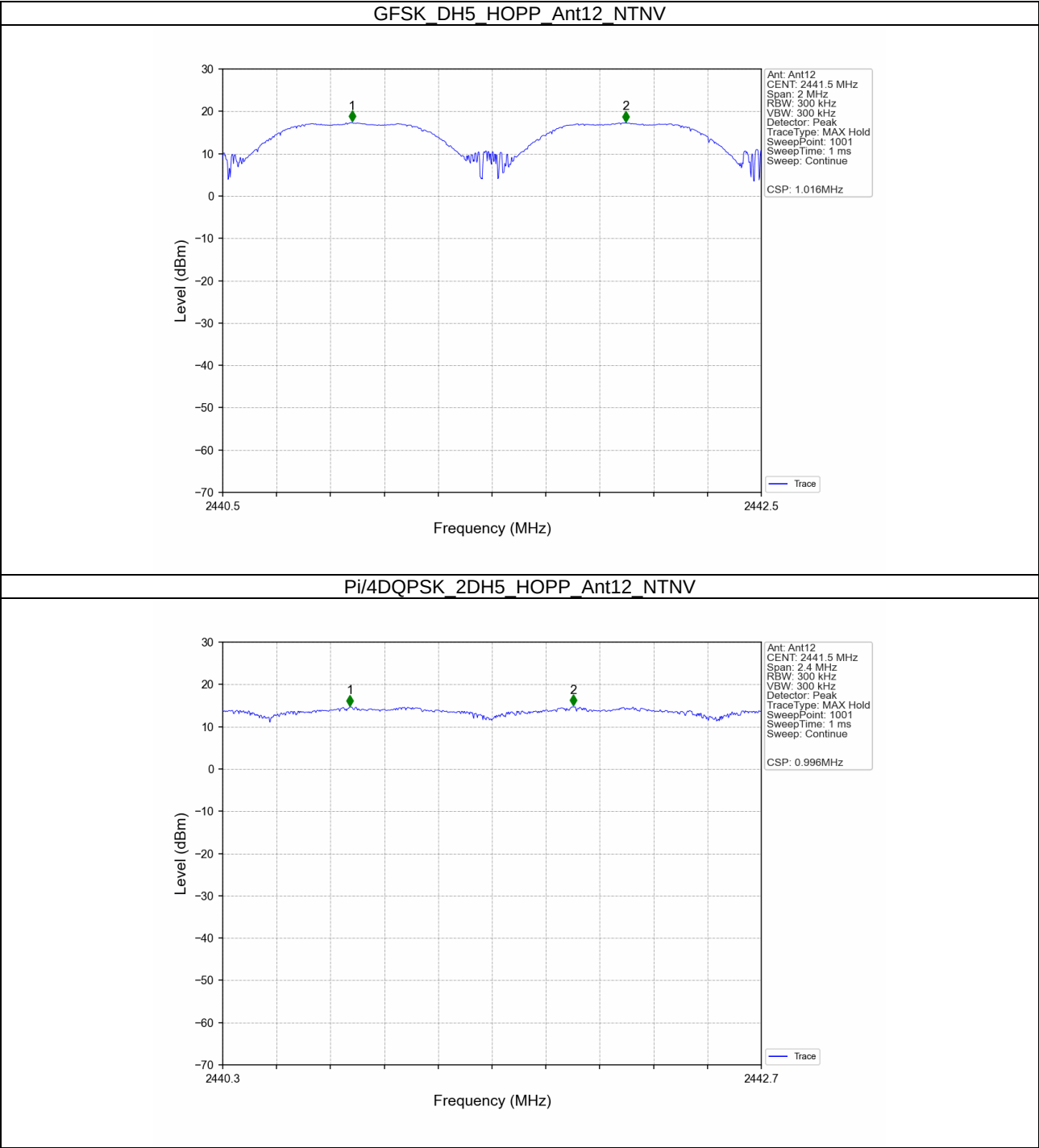
4.1 Test Result

4.1.1 Ant12

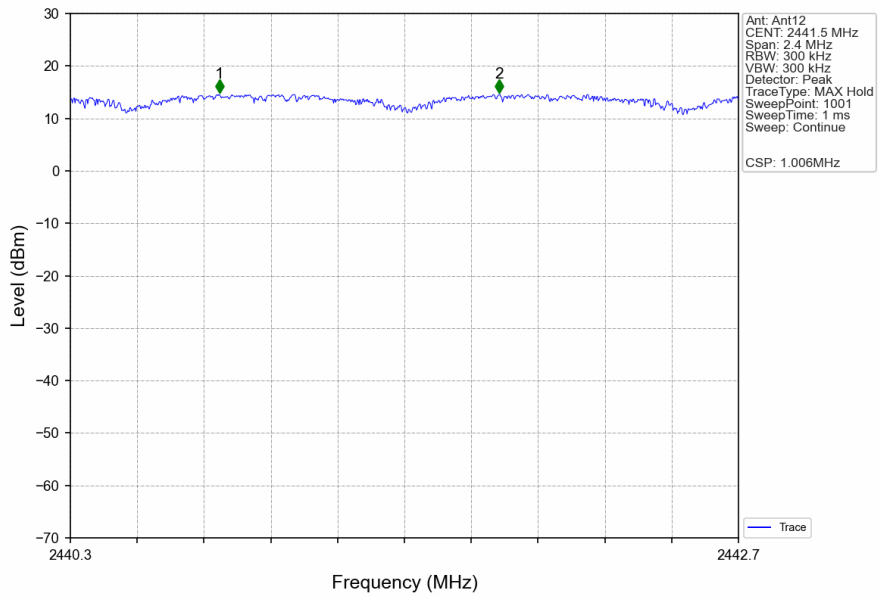
Ant12							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.016	0.849	>=0.566	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	0.996	1.324	>=0.883	Pass
8DPSK	SISO	HOPP	3DH5	1.006	1.319	>=0.879	Pass

4.2 Test Graph

4.2.1 Ant12



8DPSK_3DH5_HOPP_Ant12_NTNV





5. Number of Hopping Frequencies

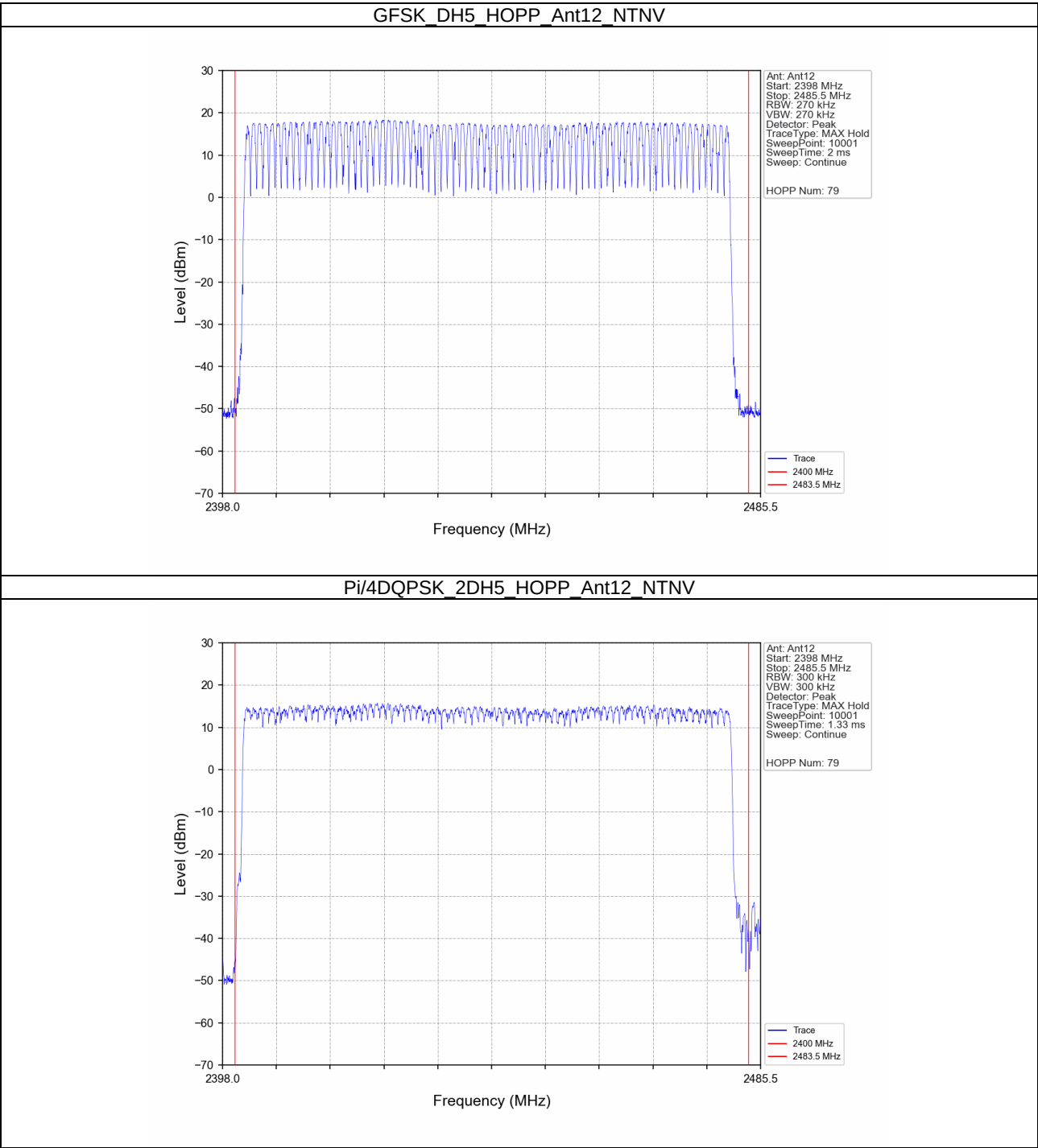
5.1 Test Result

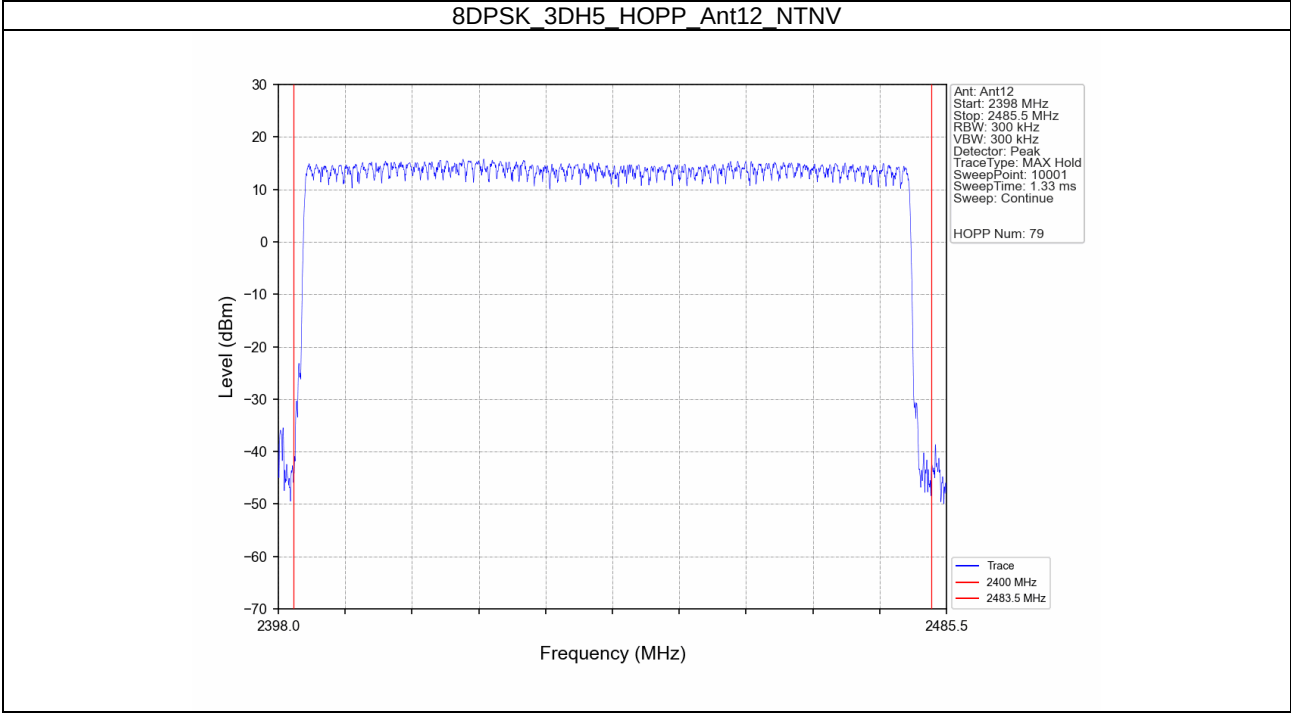
5.1.1 HoppNum

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT12	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





6. Time of Occupancy (Dwell Time)

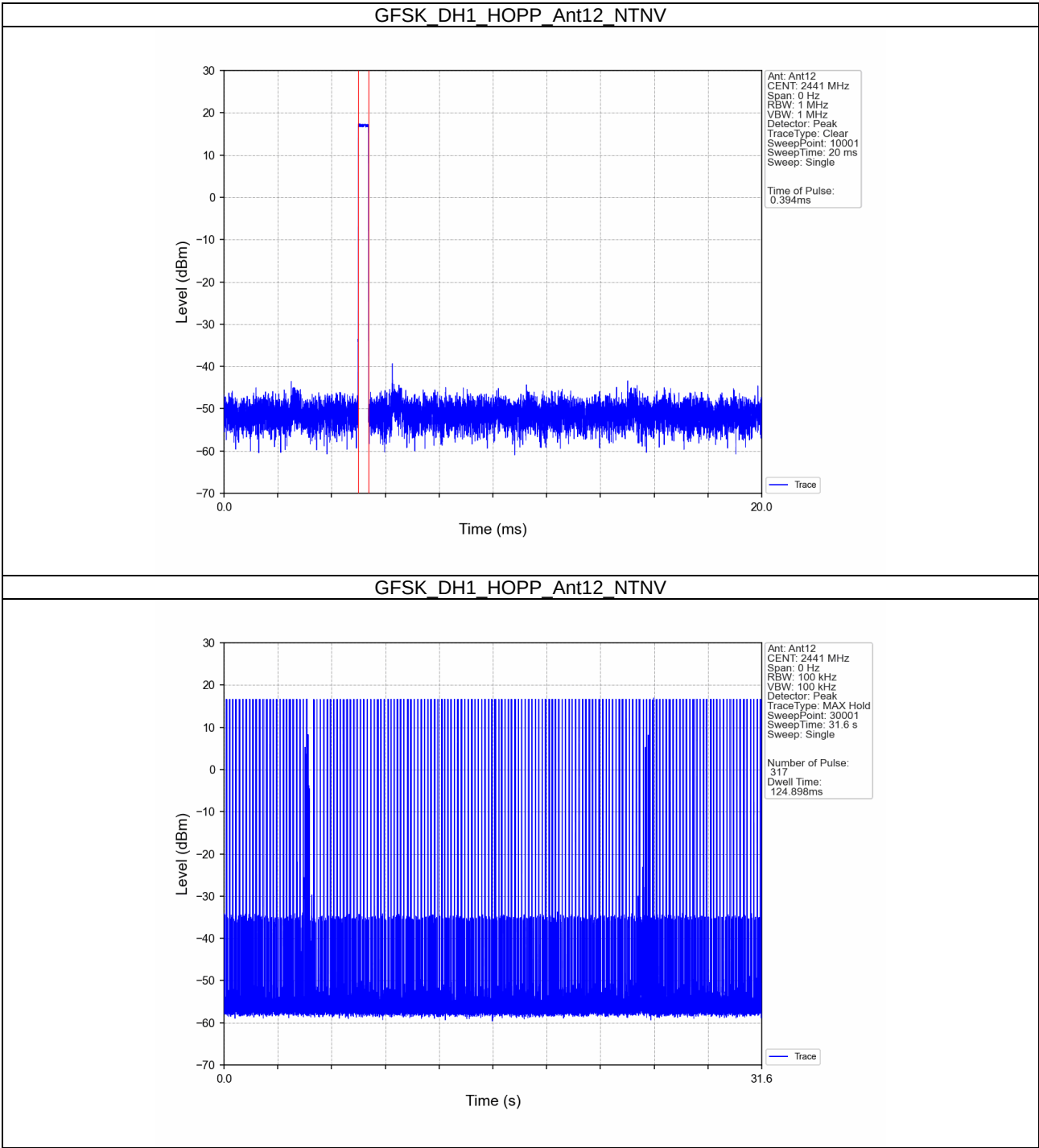
6.1 Test Result

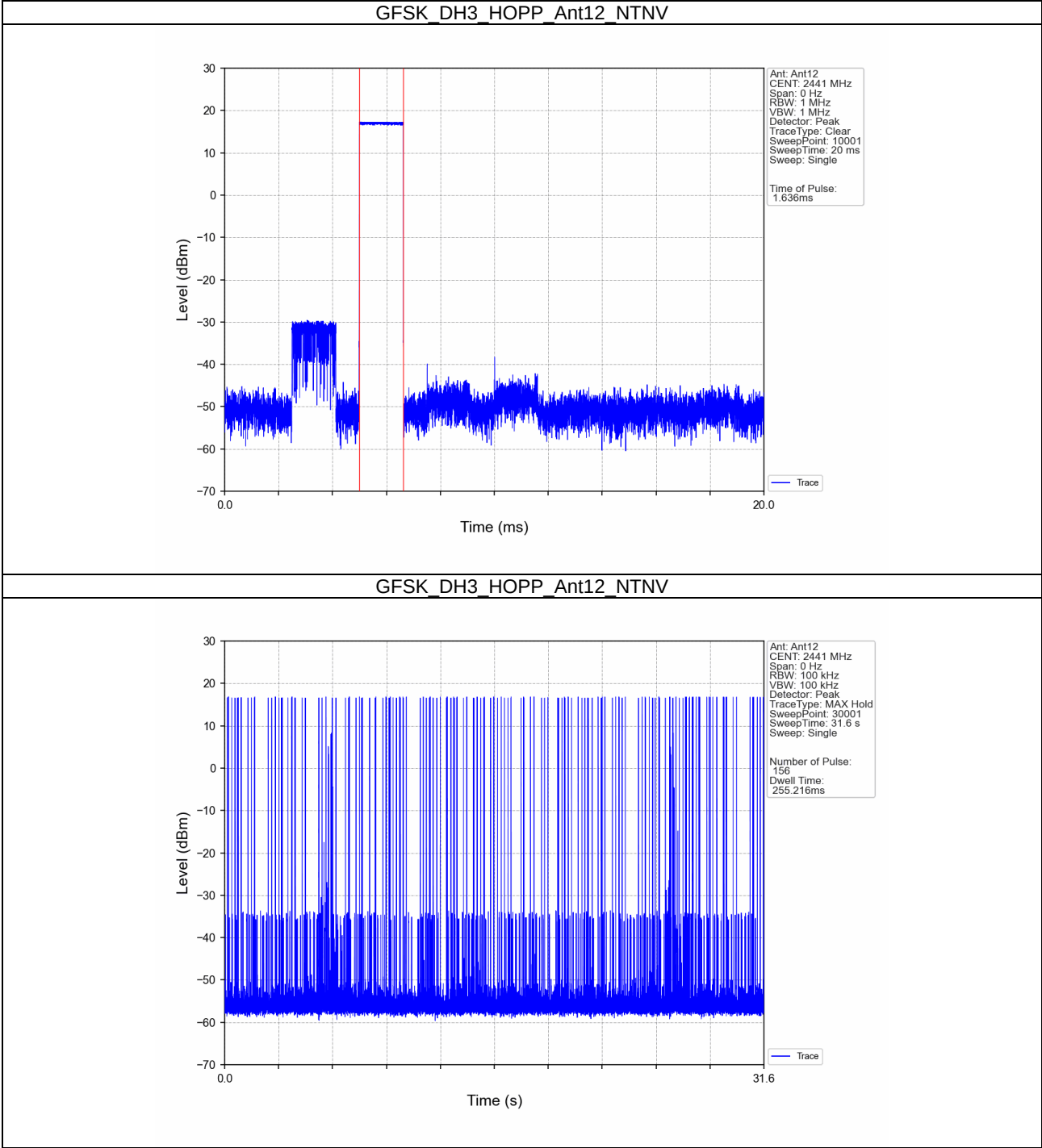
6.1.1 Ant12

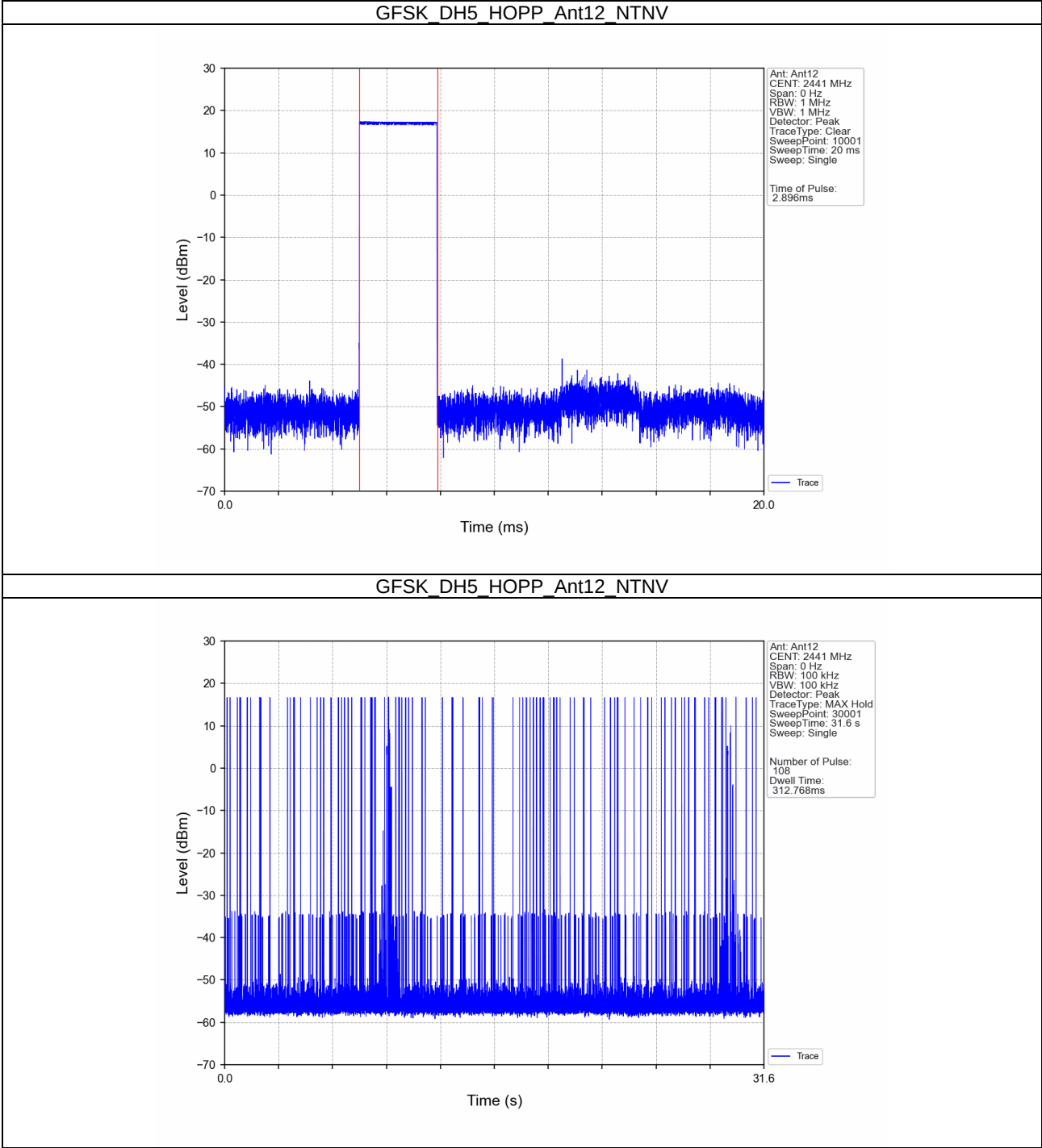
Ant12									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.394	31.600	317	124.898	<=400	Pass
			DH3	1.636	31.600	156	255.216	<=400	Pass
			DH5	2.896	31.600	108	312.768	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.386	31.600	315	121.590	<=400	Pass
			2DH3	1.652	31.600	154	254.408	<=400	Pass
			2DH5	2.888	31.600	113	326.344	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.388	31.600	317	122.996	<=400	Pass
			3DH3	1.638	31.600	156	255.528	<=400	Pass
			3DH5	2.890	31.600	114	329.460	<=400	Pass

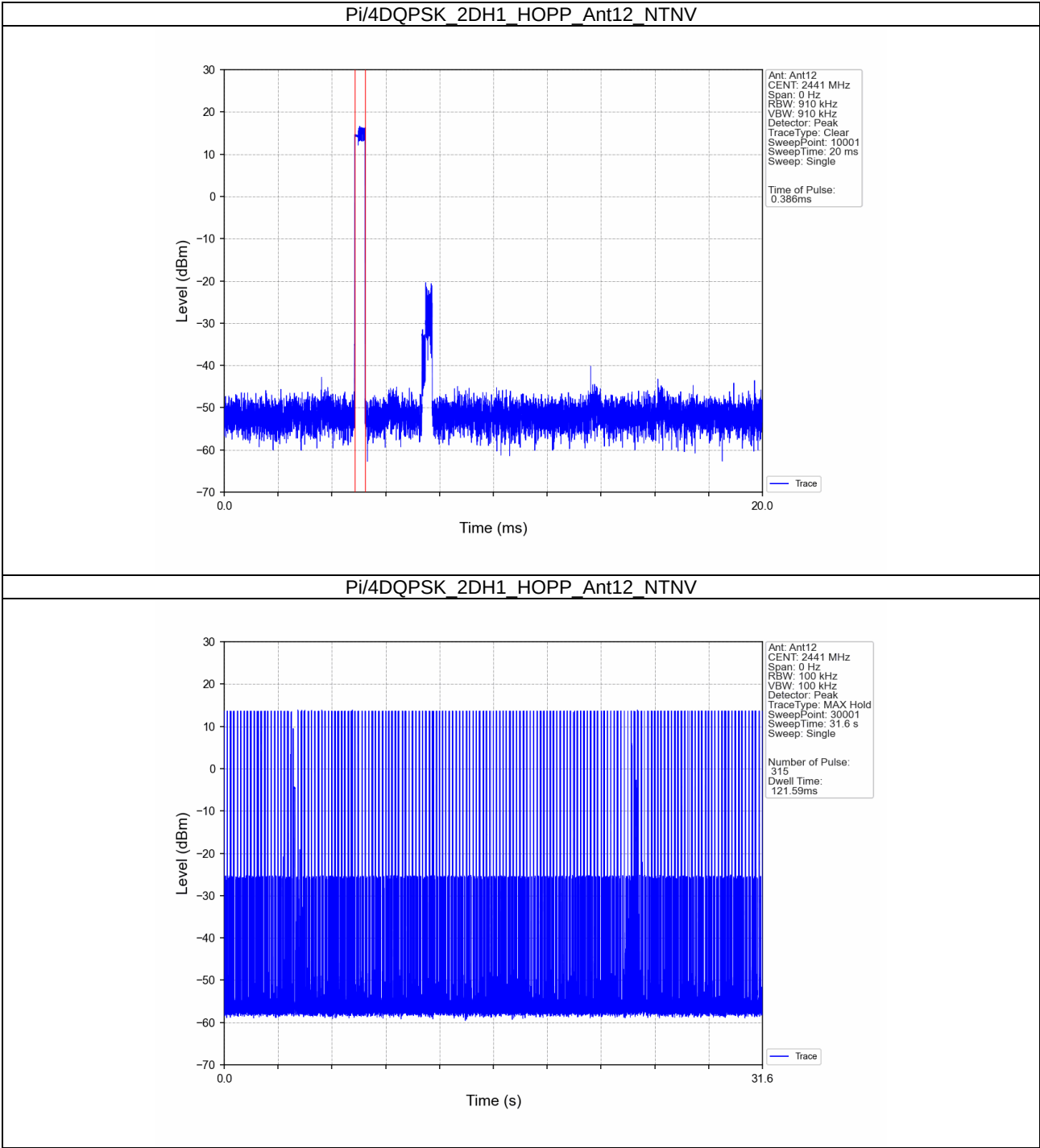
6.2 Test Graph

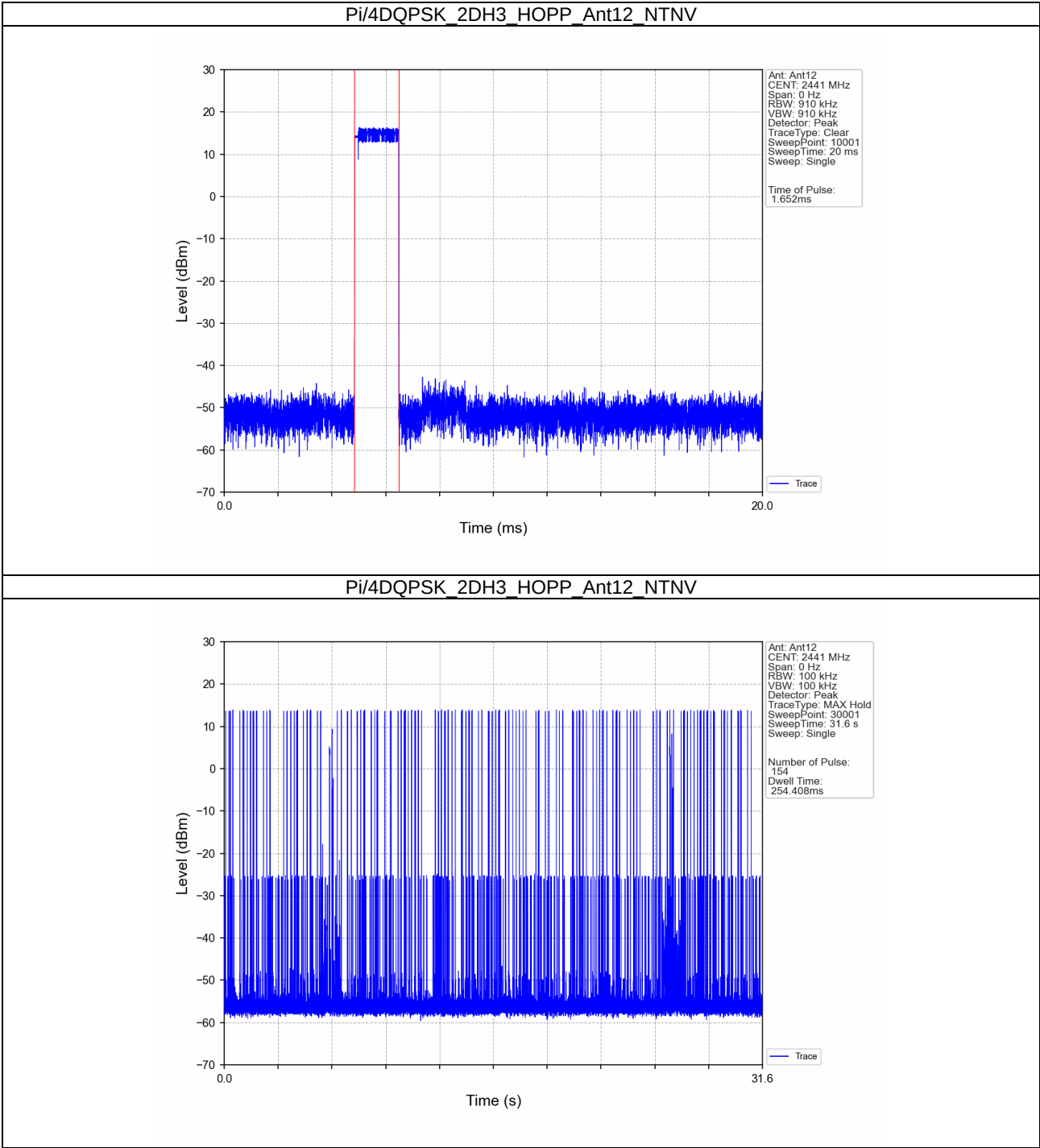
6.2.1 Ant12



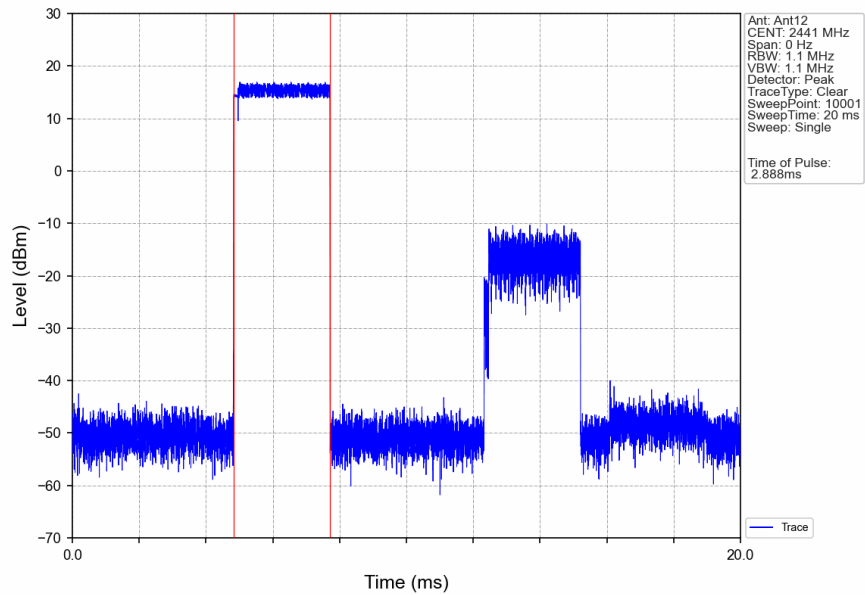




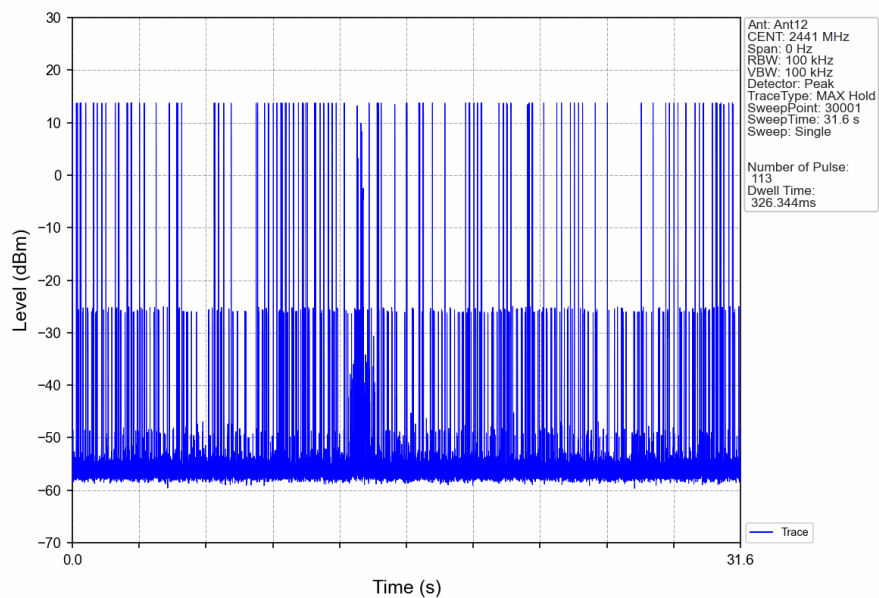


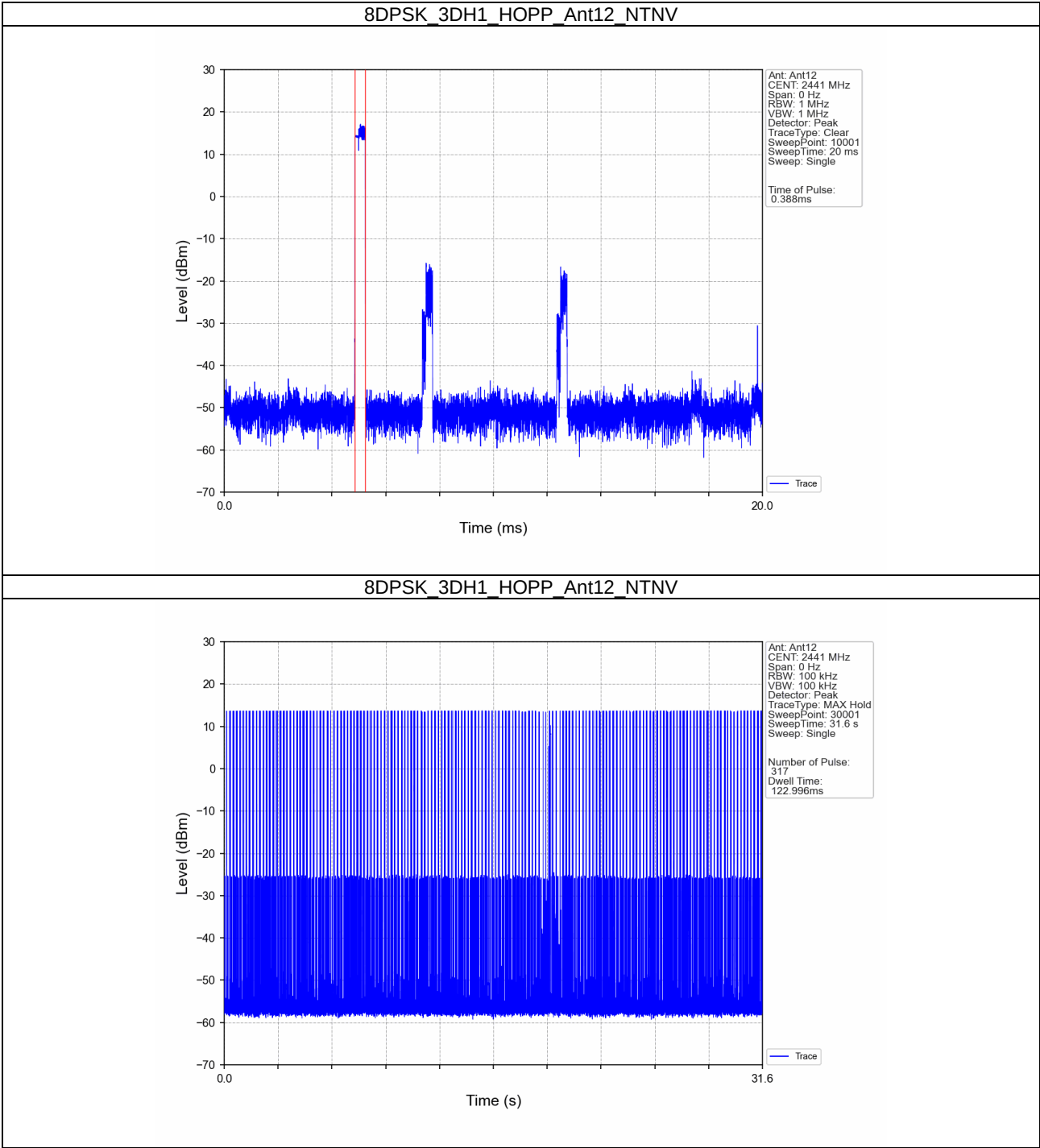


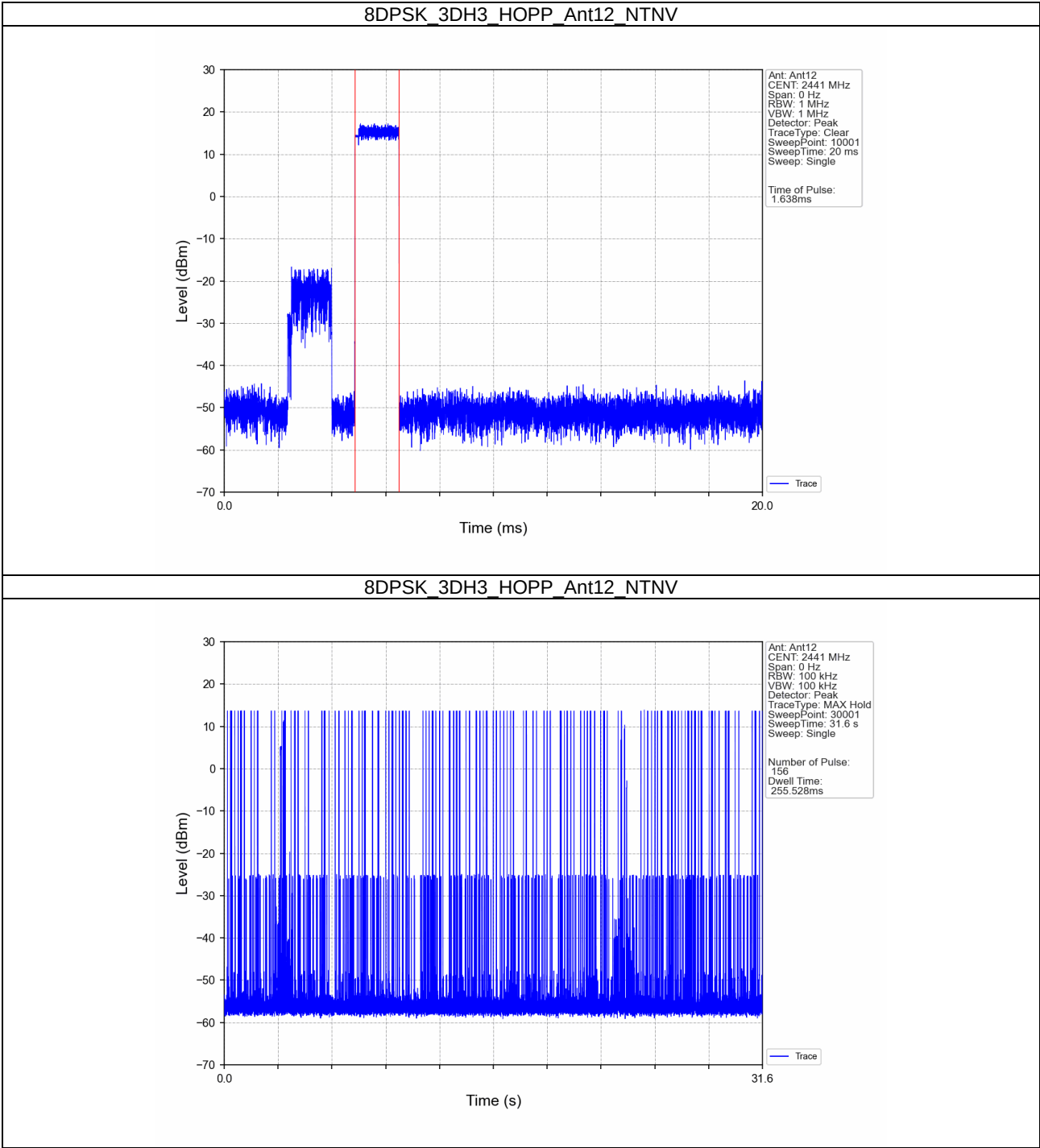
Pi/4DQPSK_2DH5_HOPP_Ant12_NTNV

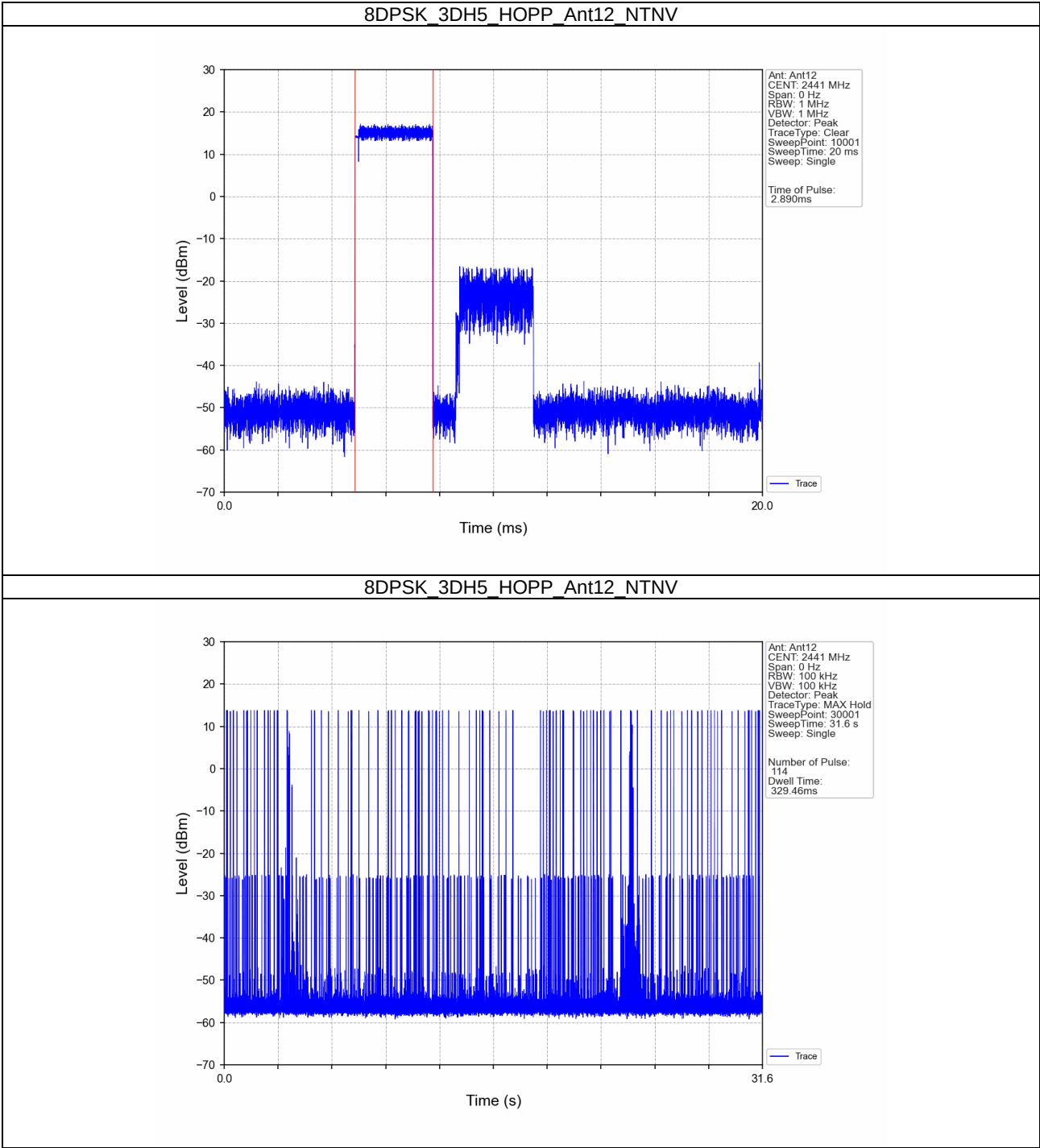


Pi/4DQPSK_2DH5_HOPP_Ant12_NTNV









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	12	17.33
		2441	DH5	12	16.90
		2480	DH5	12	16.76
Pi/4DQPSK	SISO	2402	2DH5	12	14.35
		2441	2DH5	12	14.30
		2480	2DH5	12	14.00
8DPSK	SISO	2402	3DH5	12	13.67
		2441	3DH5	12	14.09
		2480	3DH5	12	14.11

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.

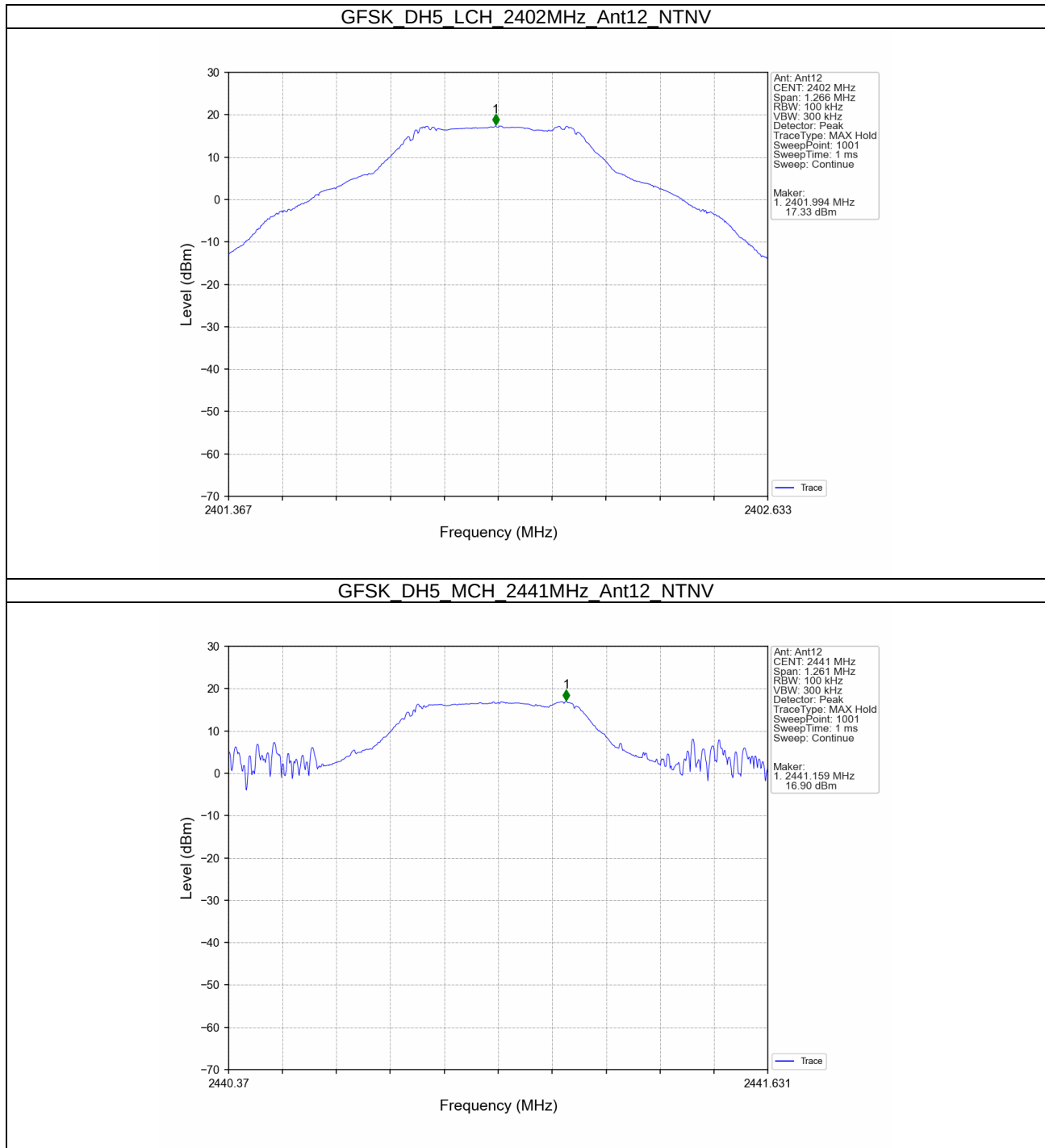
7.1.2 CSE

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	12	17.33	-2.67	Pass
		2441	DH5	12	17.33	-2.67	Pass
		2480	DH5	12	17.33	-2.67	Pass
		HOPP	DH5	12	17.33	-2.67	Pass
					17.33	-2.67	Pass
Pi/4DQPSK	SISO	2402	2DH5	12	14.35	-5.65	Pass
		2441	2DH5	12	14.35	-5.65	Pass
		2480	2DH5	12	14.35	-5.65	Pass
		HOPP	2DH5	12	14.35	-5.65	Pass
					14.35	-5.65	Pass
8DPSK	SISO	2402	3DH5	12	14.11	-5.89	Pass
		2441	3DH5	12	14.11	-5.89	Pass
		2480	3DH5	12	14.11	-5.89	Pass
		HOPP	3DH5	12	14.11	-5.89	Pass
					14.11	-5.89	Pass

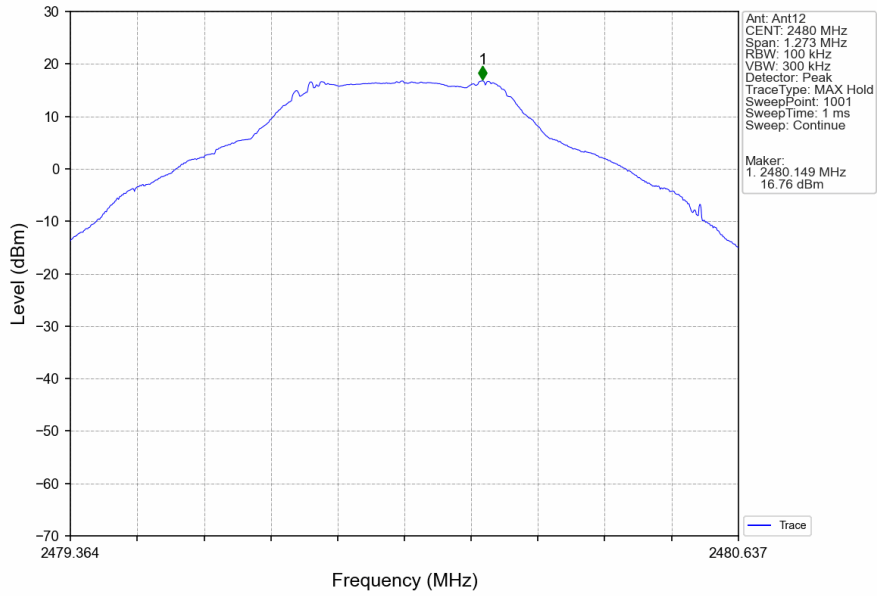
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

7.2 Test Graph

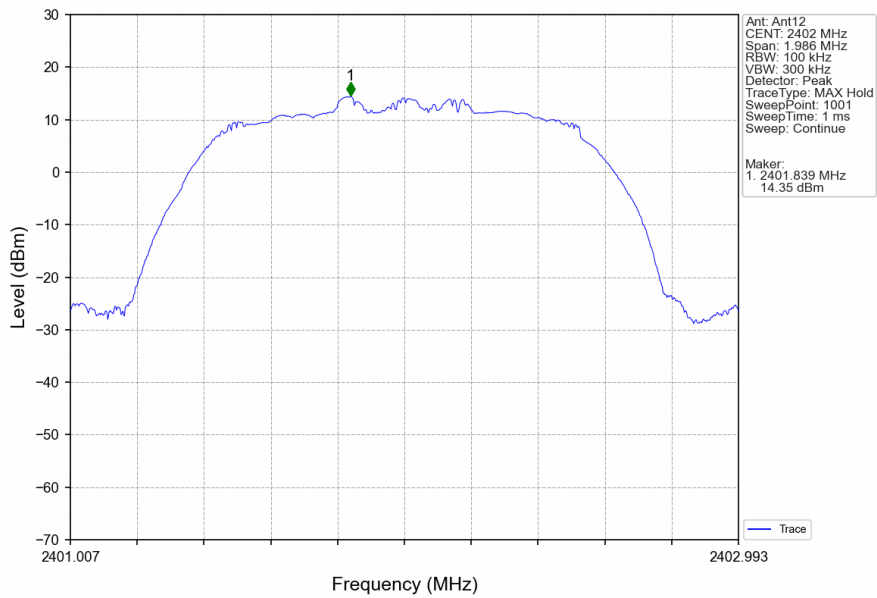
7.2.1 Ref



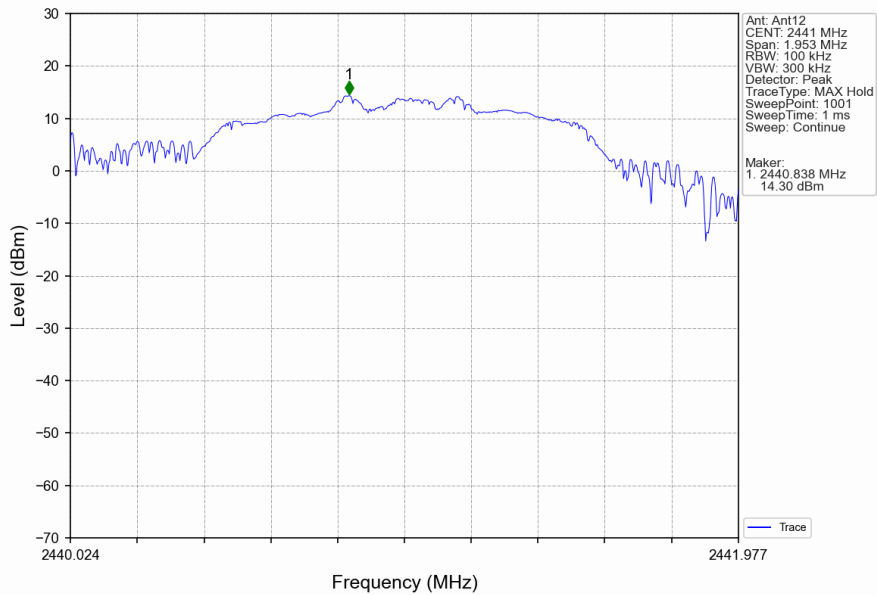
GFSK_DH5_HCH_2480MHz_Ant12_NTNV



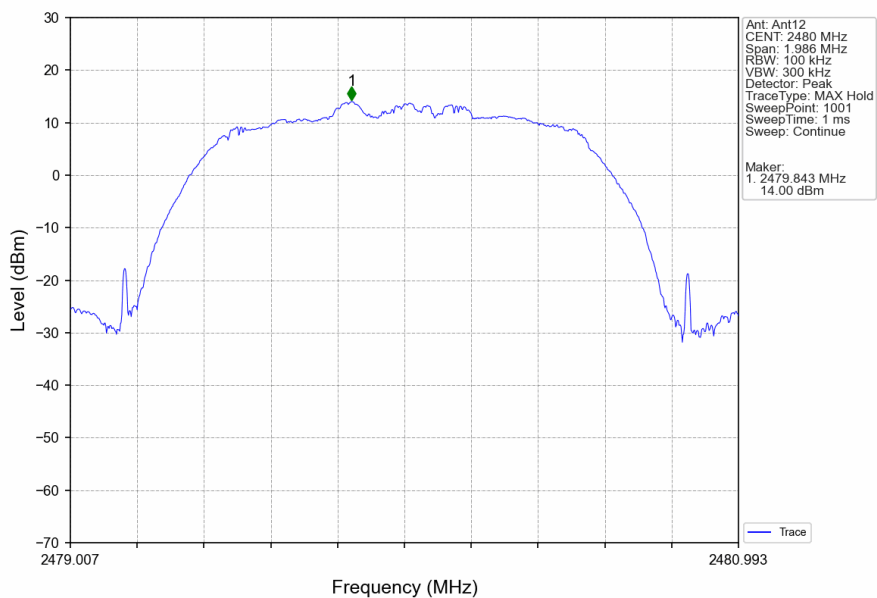
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant12_NTNV



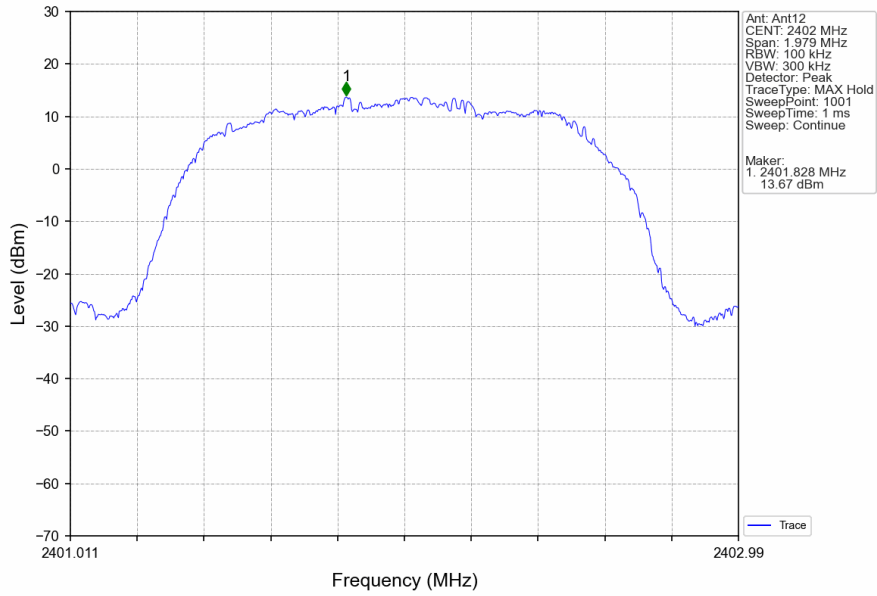
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant12_NTNV



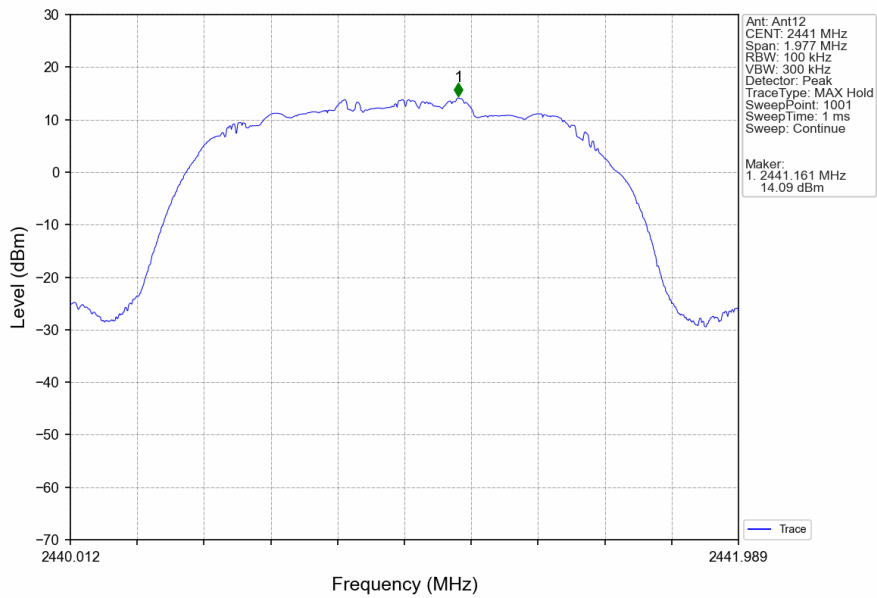
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant12_NTNV



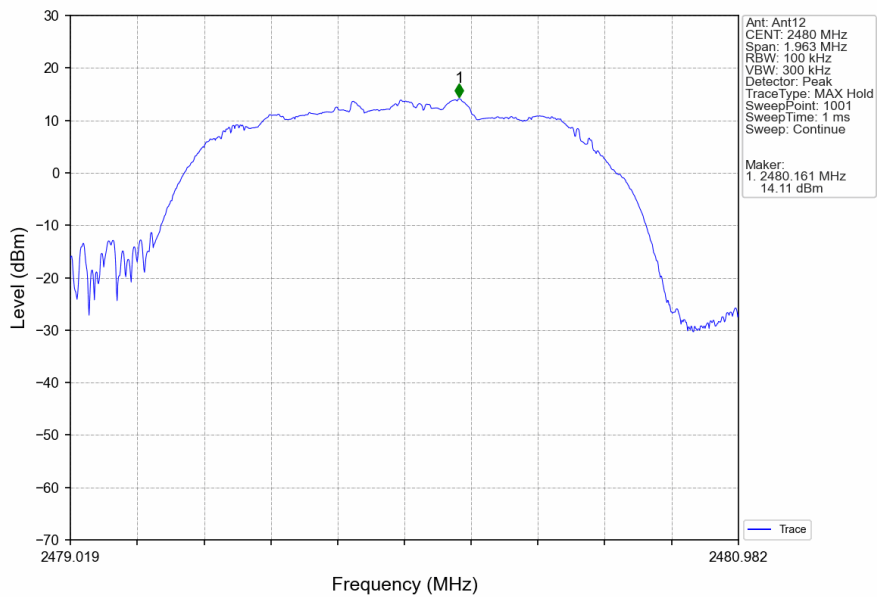
8DPSK_3DH5_LCH_2402MHz_Ant12_NTNV



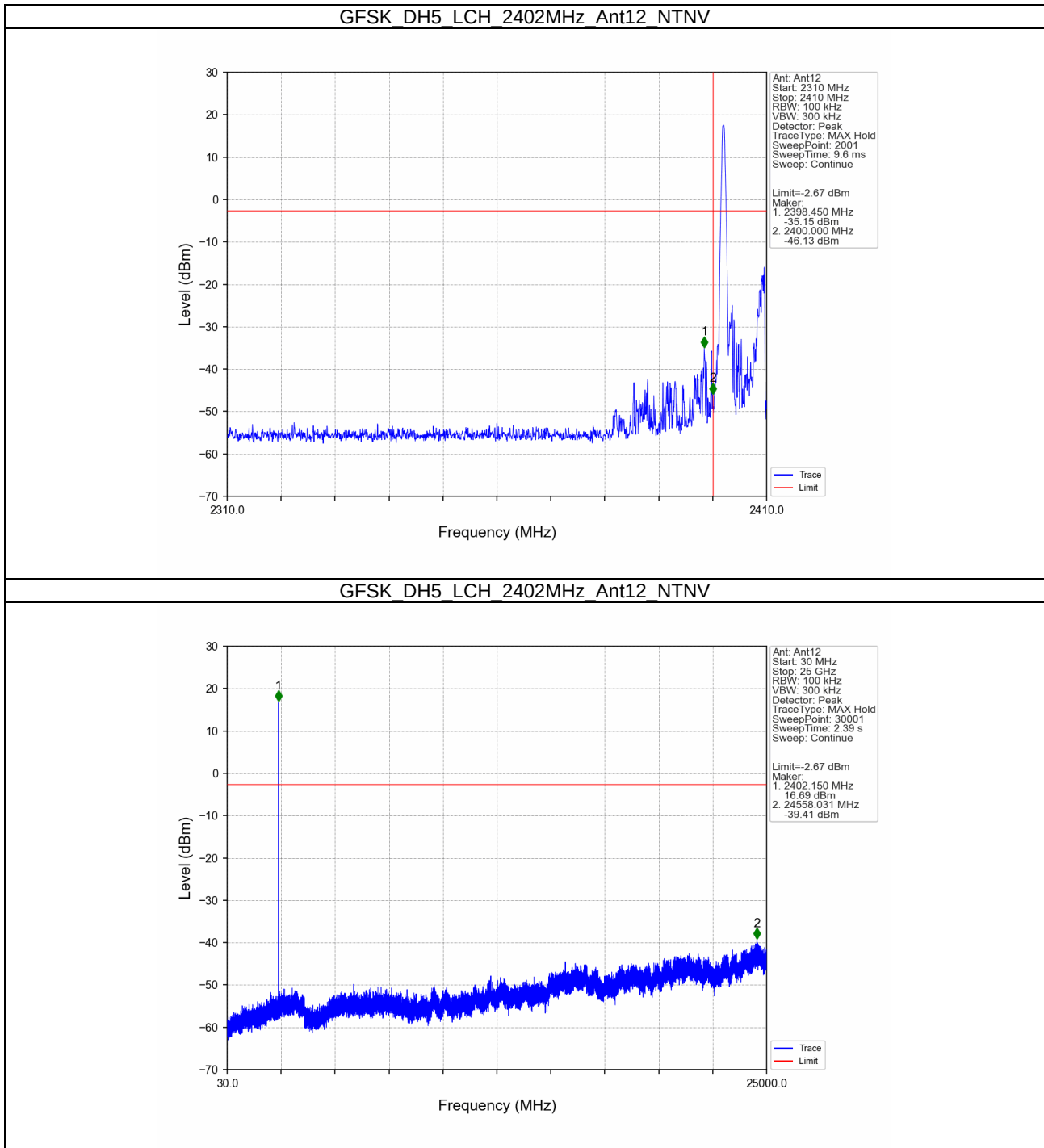
8DPSK_3DH5_MCH_2441MHz_Ant12_NTNV



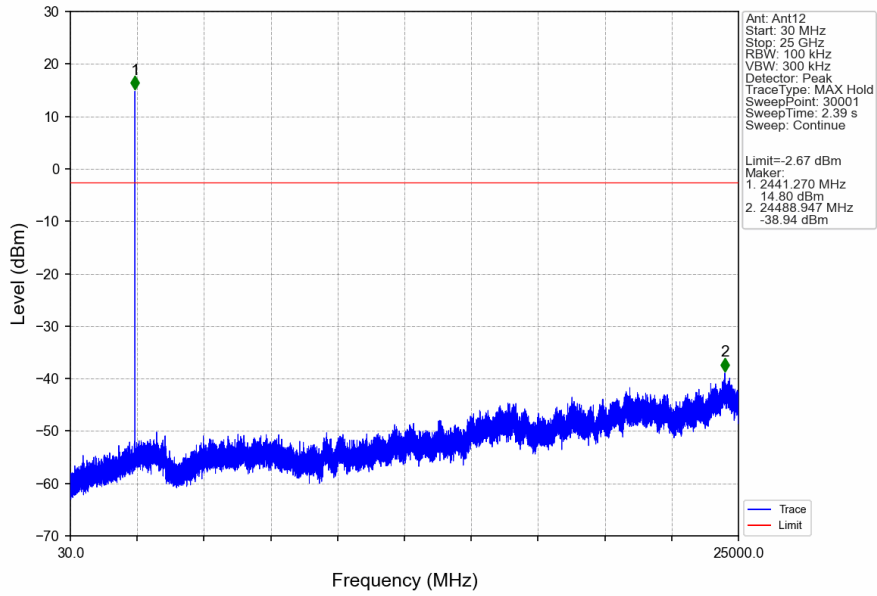
8DPSK_3DH5_HCH_2480MHz_Ant12_NTNV



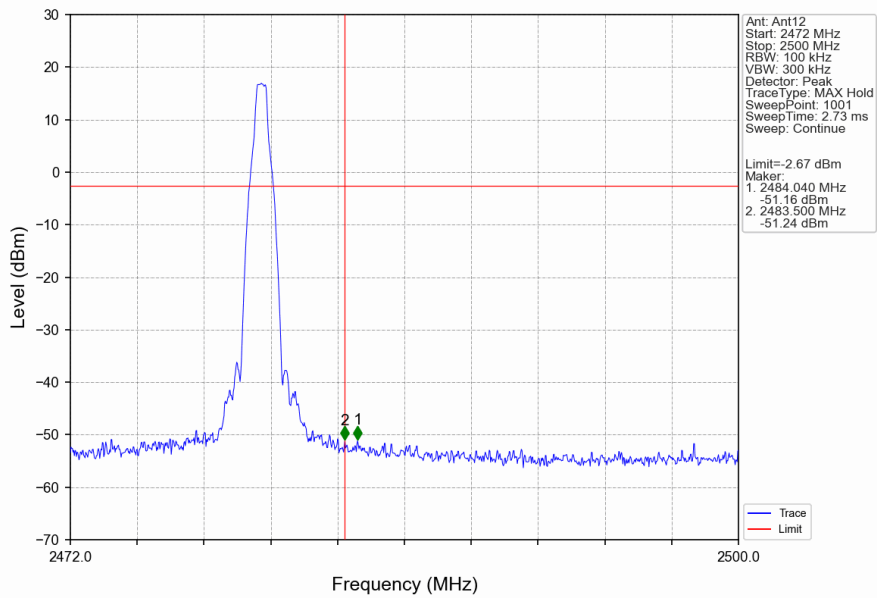
7.2.2 CSE



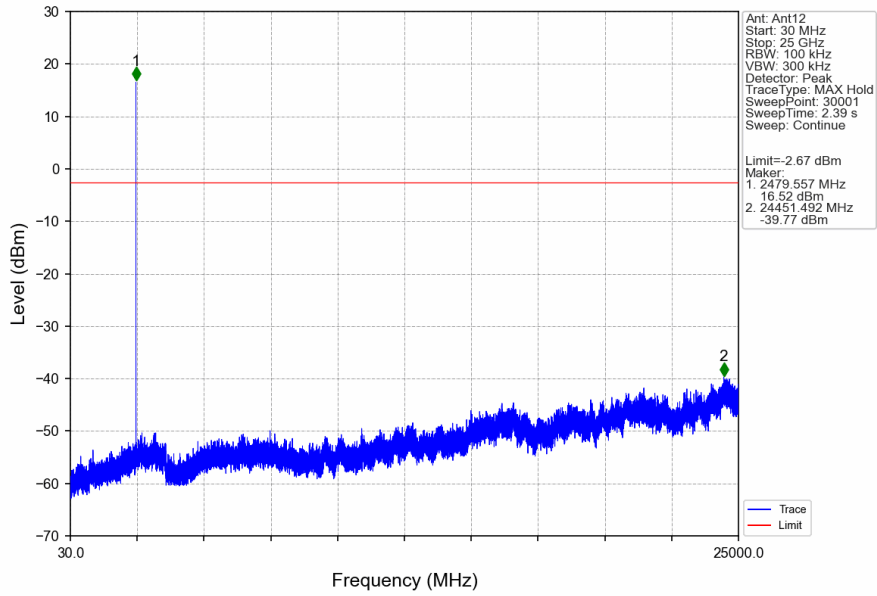
GFSK_DH5_MCH_2441MHz_Ant12_NTNV



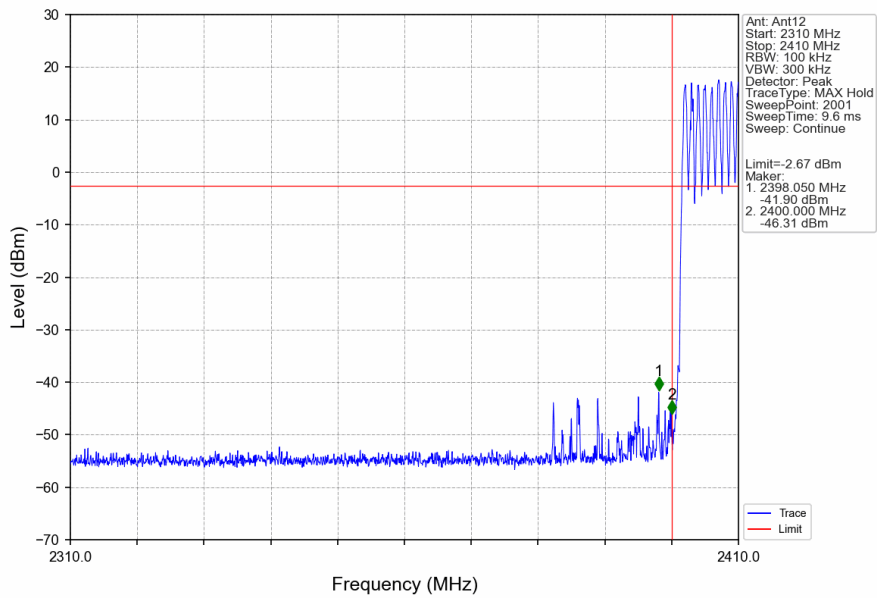
GFSK_DH5_HCH_2480MHz_Ant12_NTNV



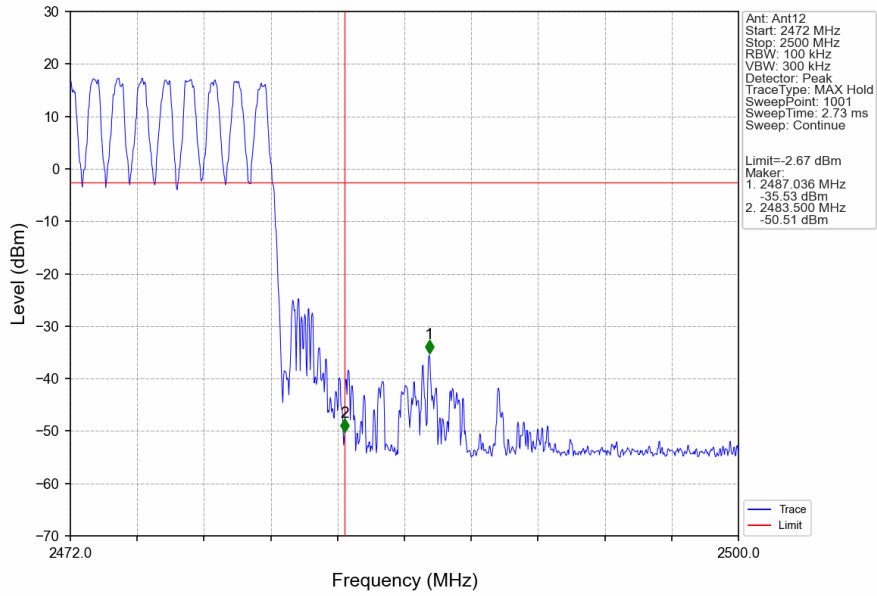
GFSK_DH5_HCH_2480MHz_Ant12_NTNV



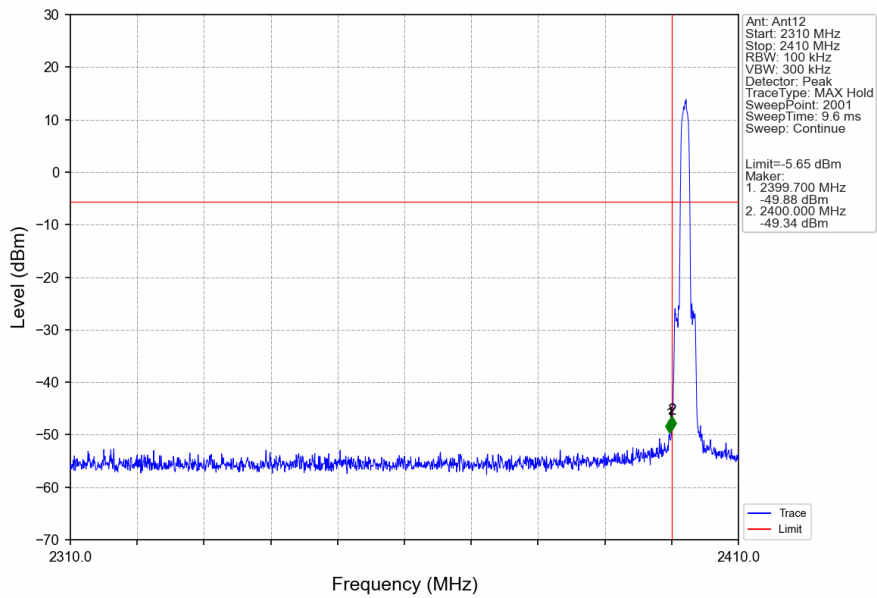
GFSK_DH5_HOPP_Ant12_NTNV



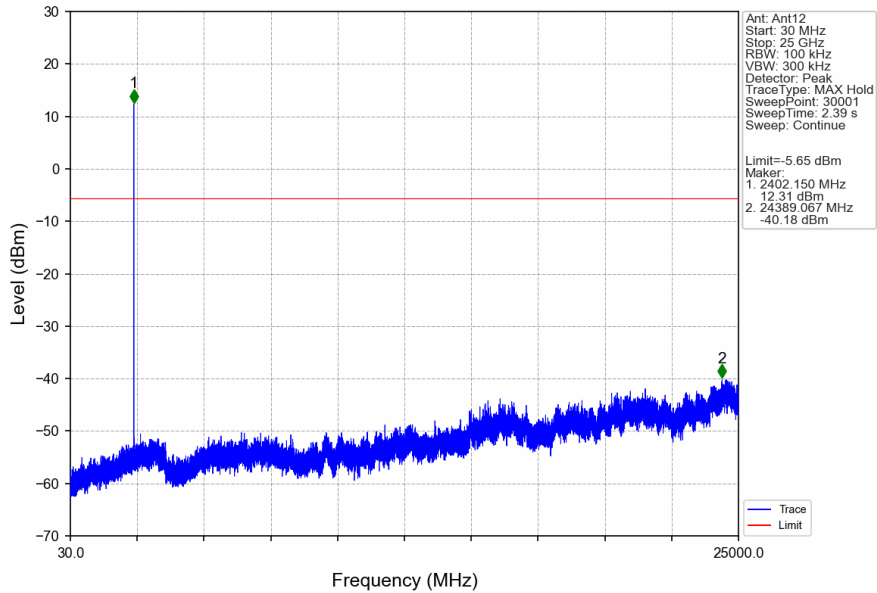
GFSK_DH5_HOPP_Ant12_NTNV



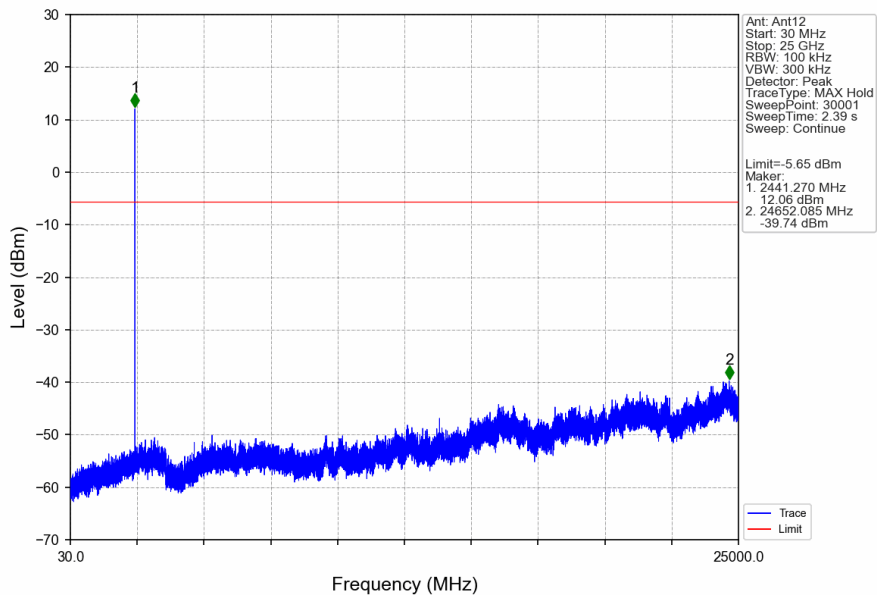
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant12_NTNV



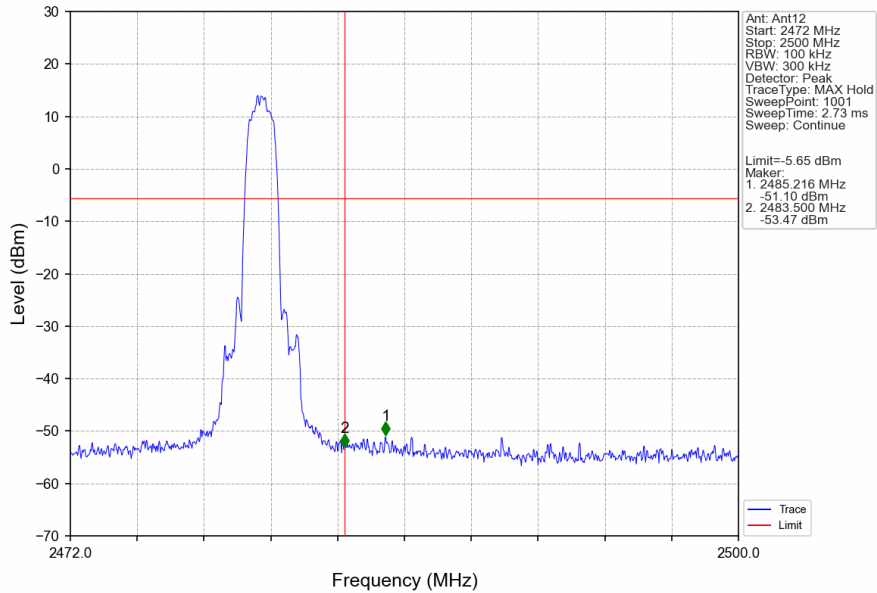
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant12_NTNV



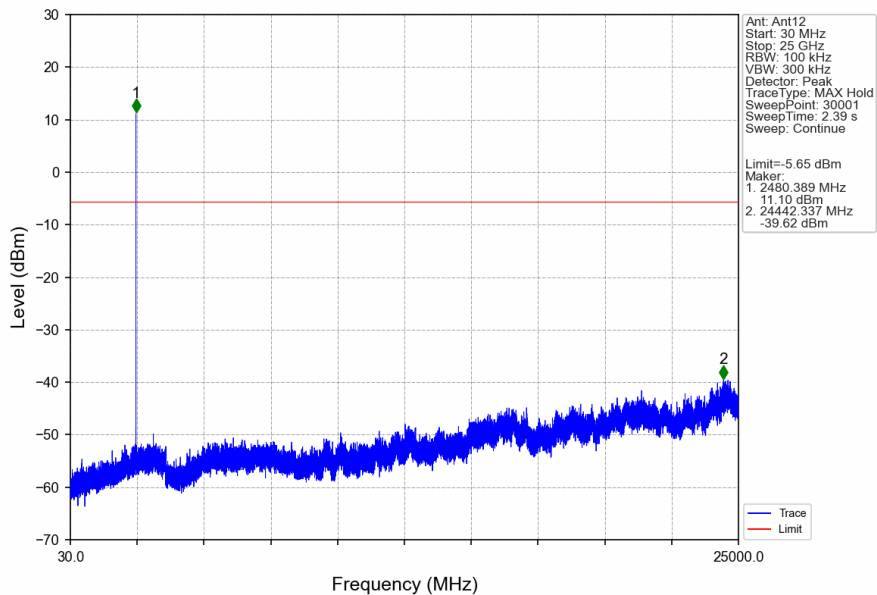
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant12_NTNV



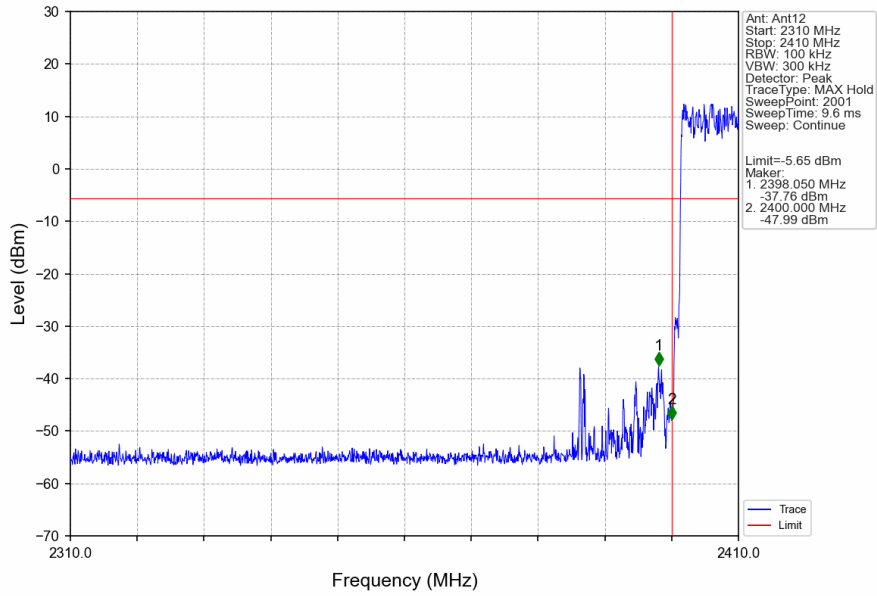
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant12_NTNV



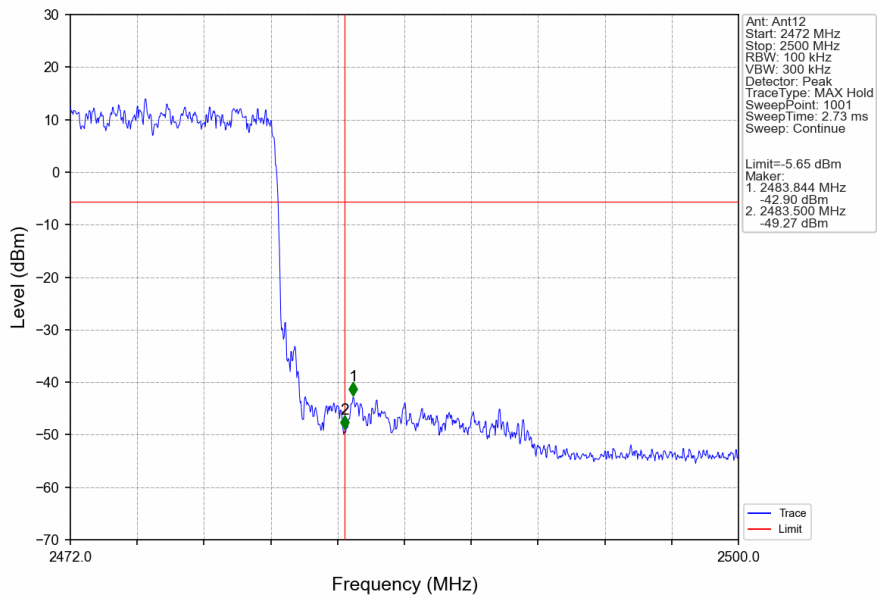
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant12_NTNV



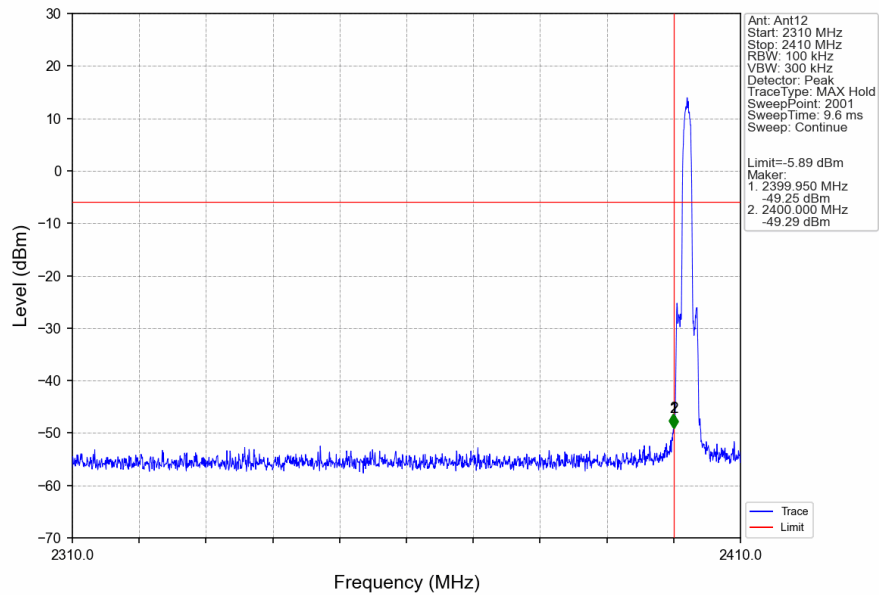
Pi/4DQPSK_2DH5_HOPP_Ant12_NTNV



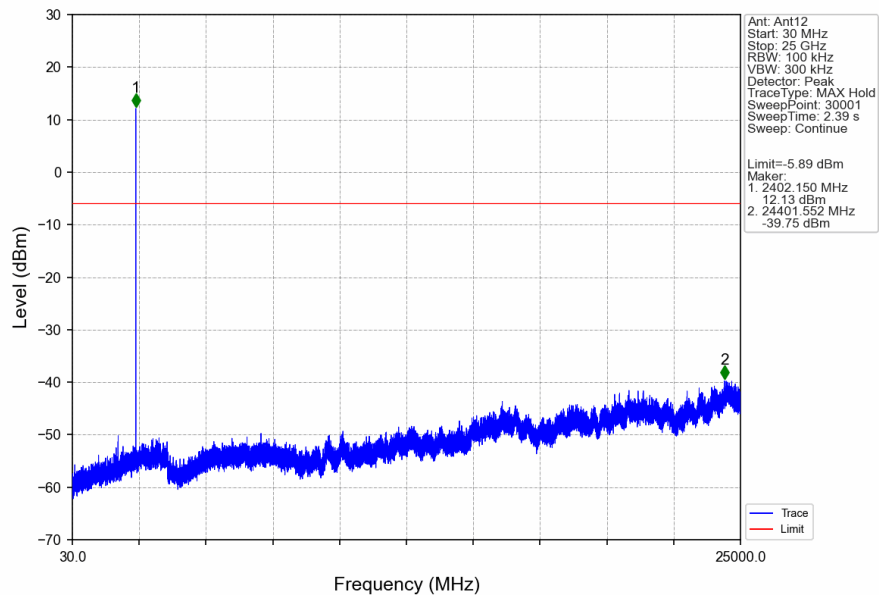
Pi/4DQPSK_2DH5_HOPP_Ant12_NTNV



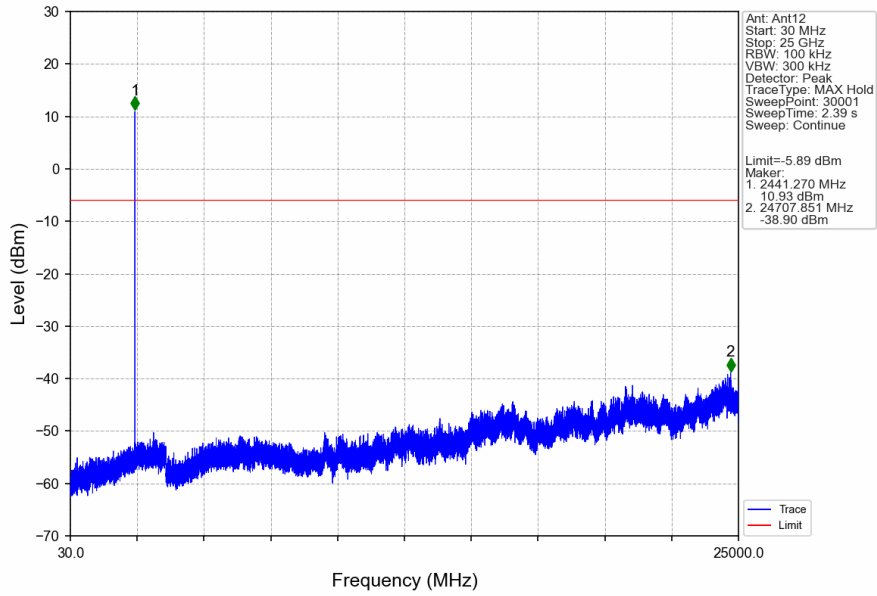
8DPSK_3DH5_LCH_2402MHz_Ant12_NTNV



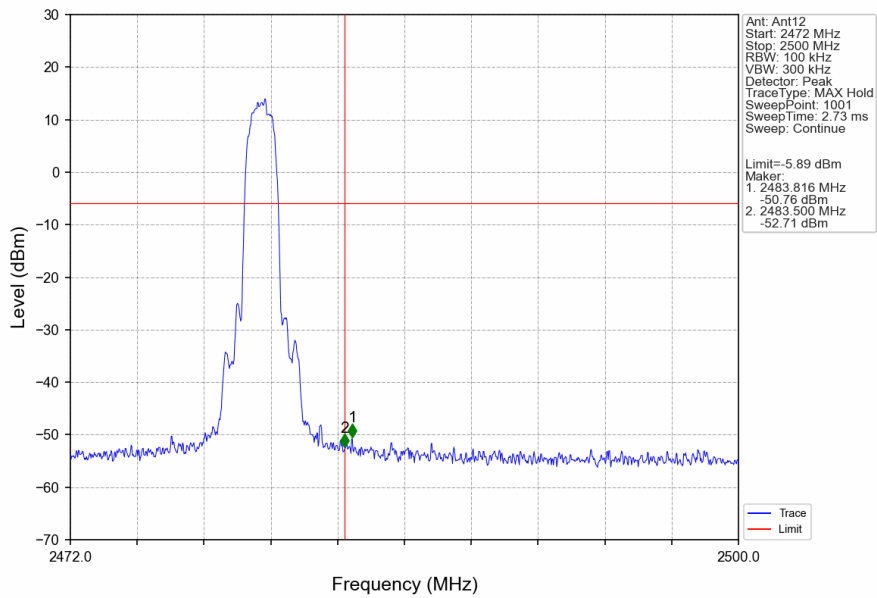
8DPSK_3DH5_LCH_2402MHz_Ant12_NTNV



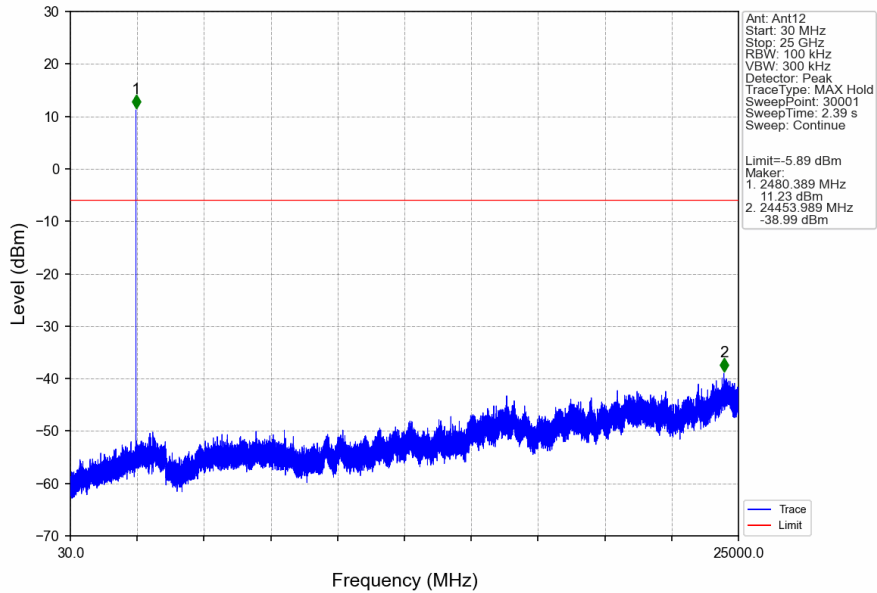
8DPSK_3DH5_MCH_2441MHz_Ant12_NTNV



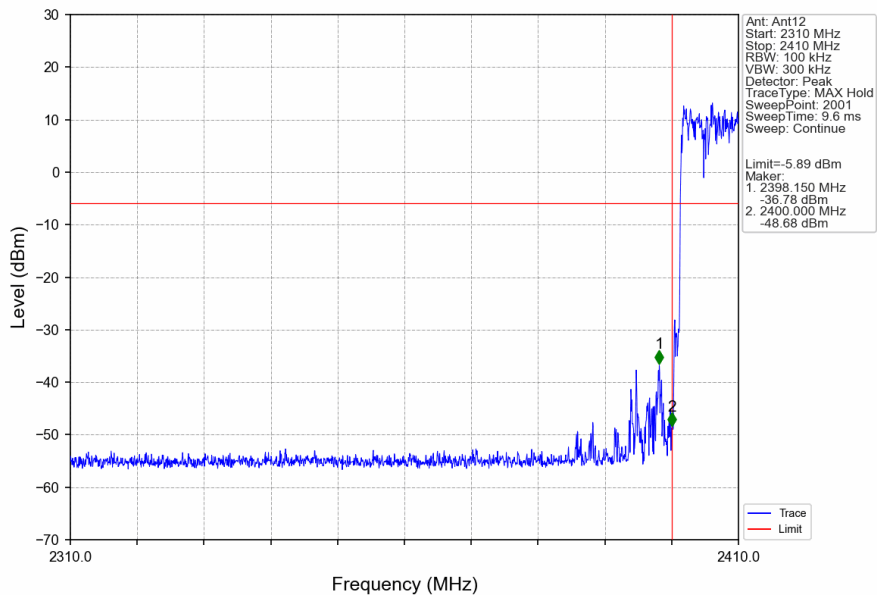
8DPSK_3DH5_HCH_2480MHz_Ant12_NTNV

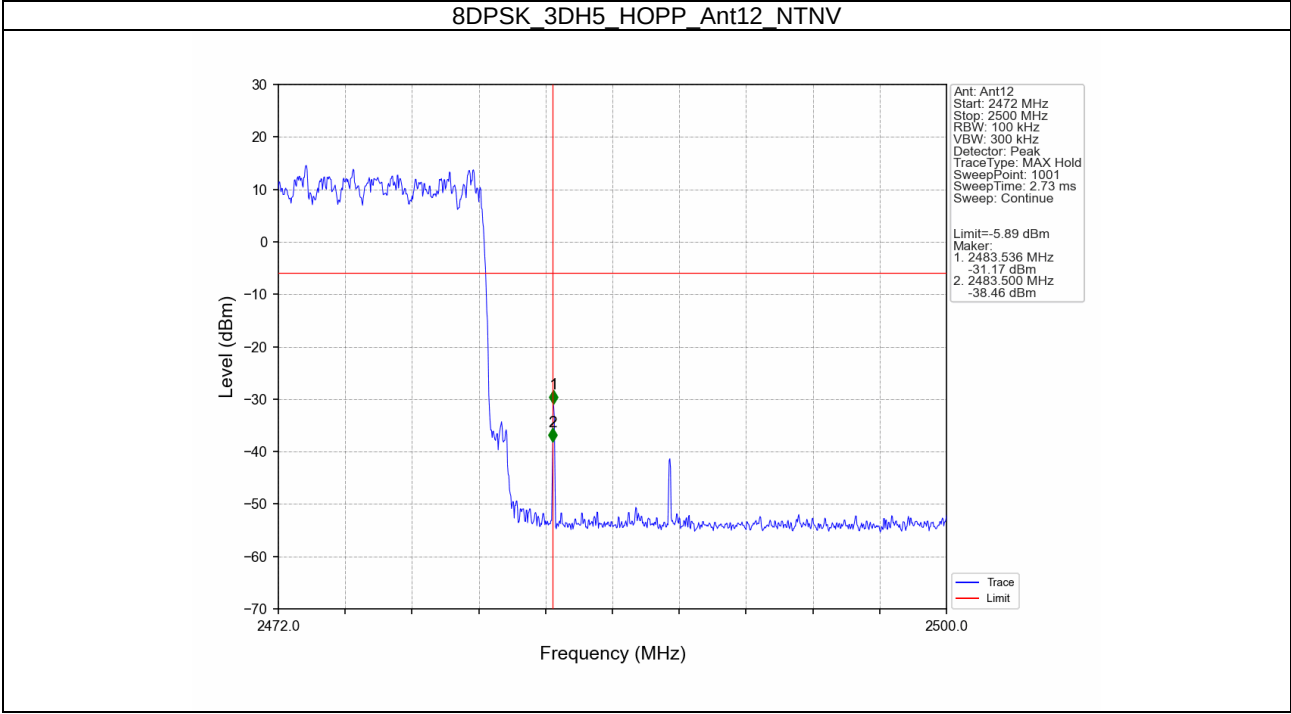


8DPSK_3DH5_HCH_2480MHz_Ant12_NTNV



8DPSK_3DH5_HOPP_Ant12_NTNV





- End of the Report -