

Appendix : Bluetooth Classic

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1. Bandwidth

1.1 Test Result

1.1.1 OBW

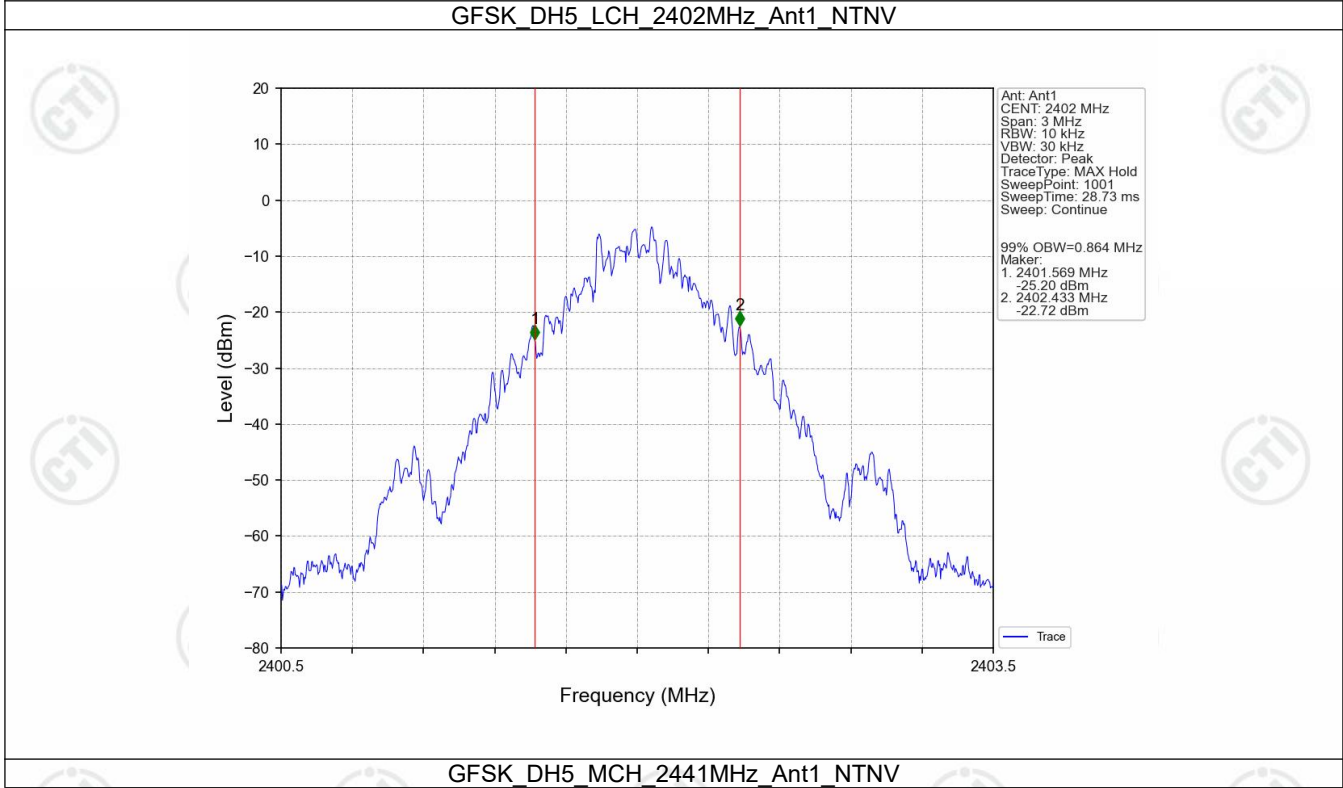
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.864	/	Pass
		2441	DH5	1	0.865	/	Pass
		2480	DH5	1	0.865	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.152	/	Pass
		2441	2DH5	1	1.149	/	Pass
		2480	2DH5	1	1.161	/	Pass
8DPSK	SISO	2402	3DH5	1	1.163	/	Pass
		2441	3DH5	1	1.162	/	Pass
		2480	3DH5	1	1.158	/	Pass

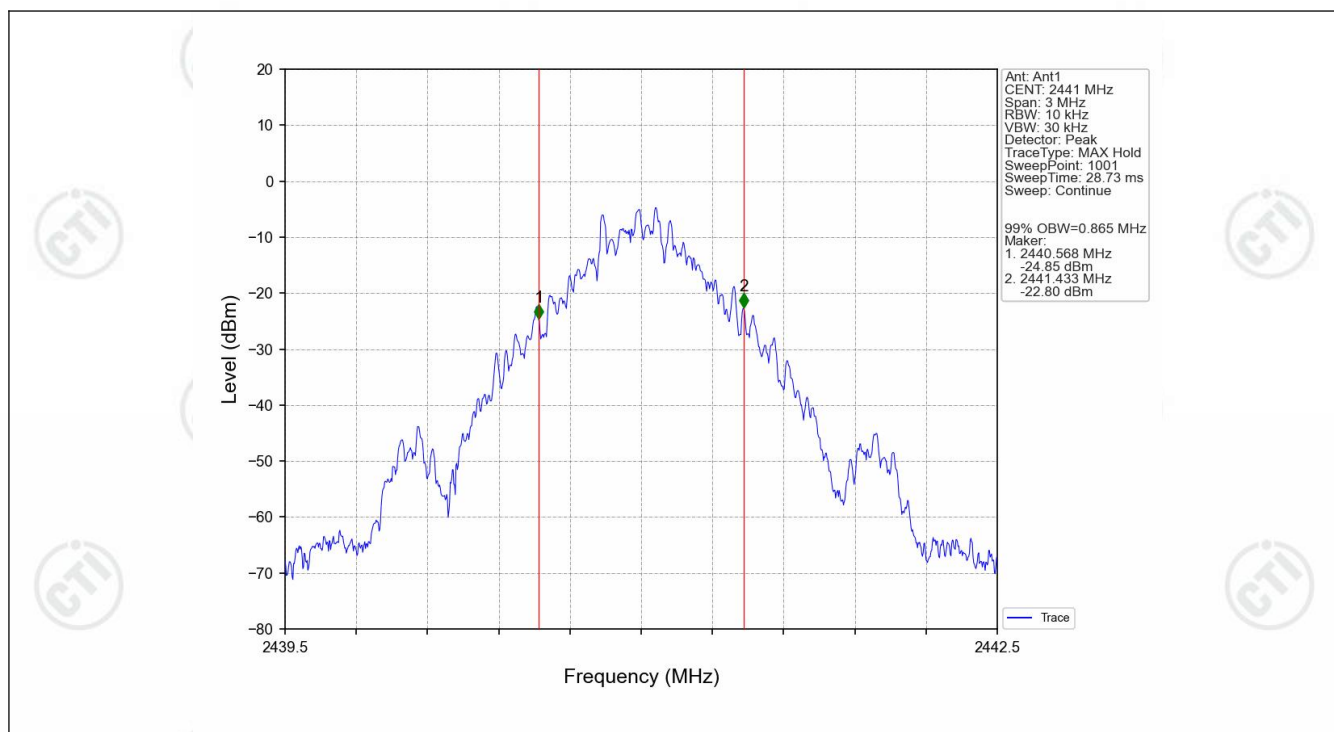
1.1.2 20dB BW

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.926	/	Pass
		2441	DH5	1	0.929	/	Pass
		2480	DH5	1	0.927	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.244	/	Pass
		2441	2DH5	1	1.229	/	Pass
		2480	2DH5	1	1.214	/	Pass
8DPSK	SISO	2402	3DH5	1	1.249	/	Pass
		2441	3DH5	1	1.255	/	Pass
		2480	3DH5	1	1.250	/	Pass

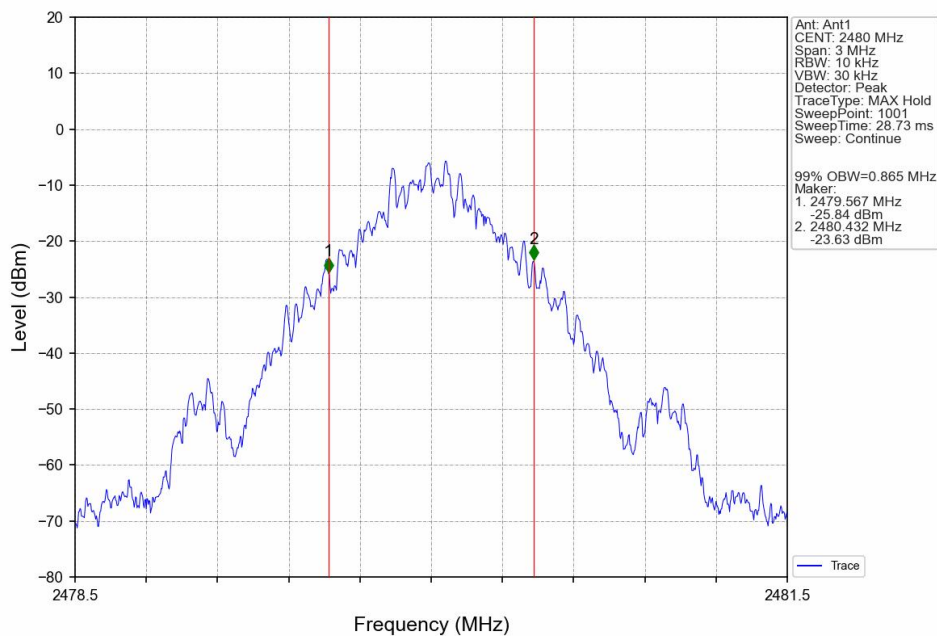
1.2 Test Graph

1.2.1 OBW

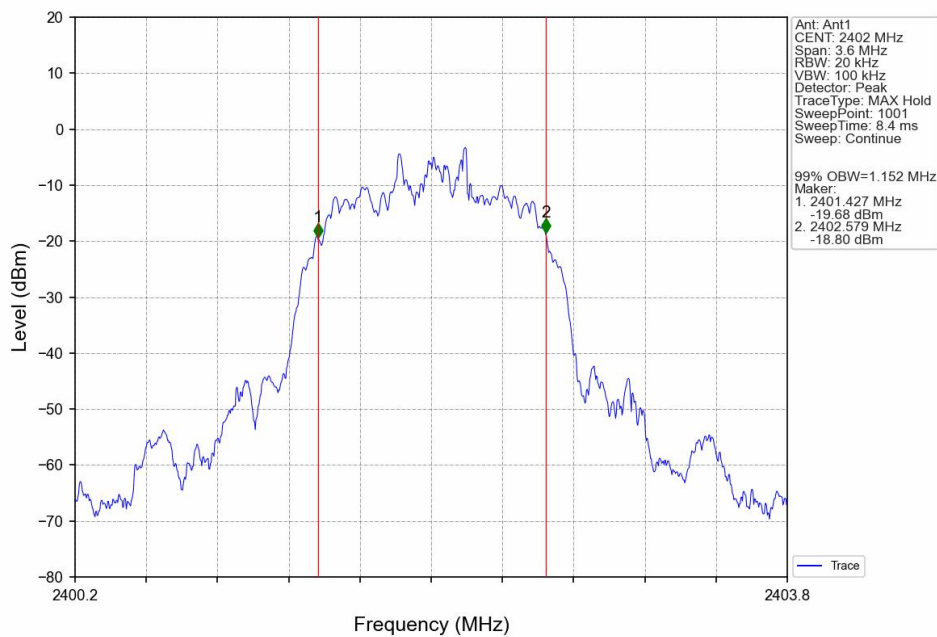




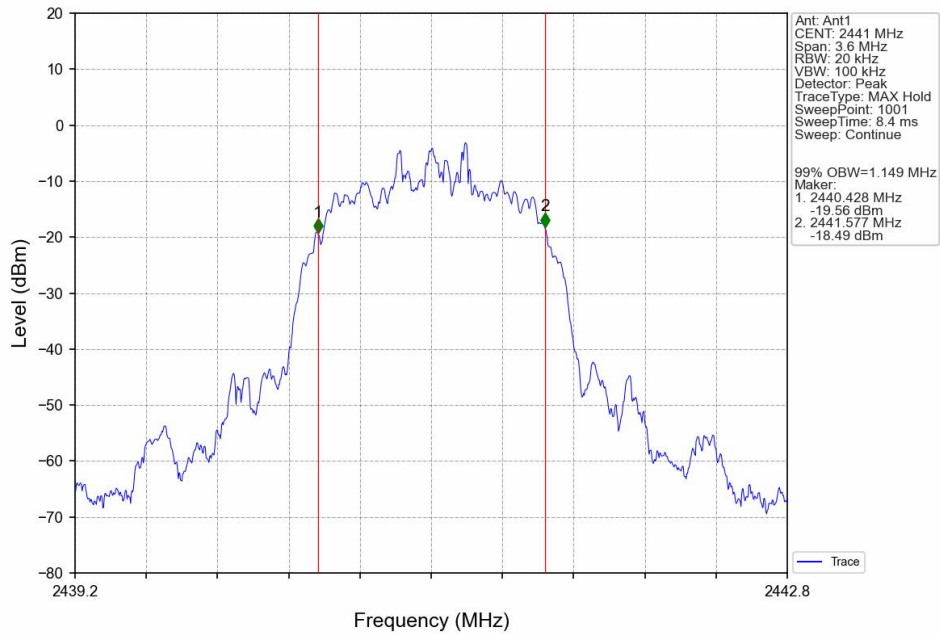
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



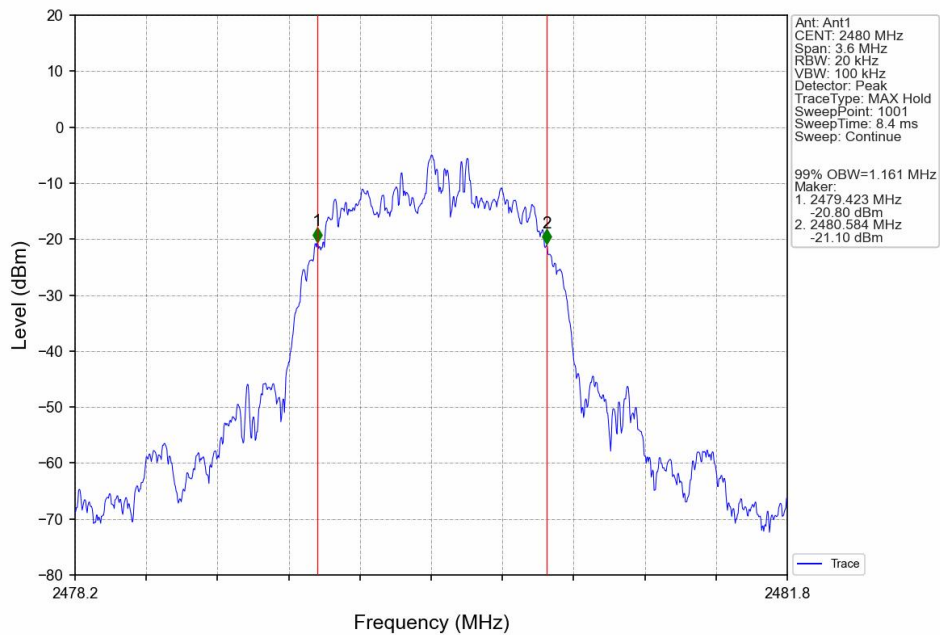
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

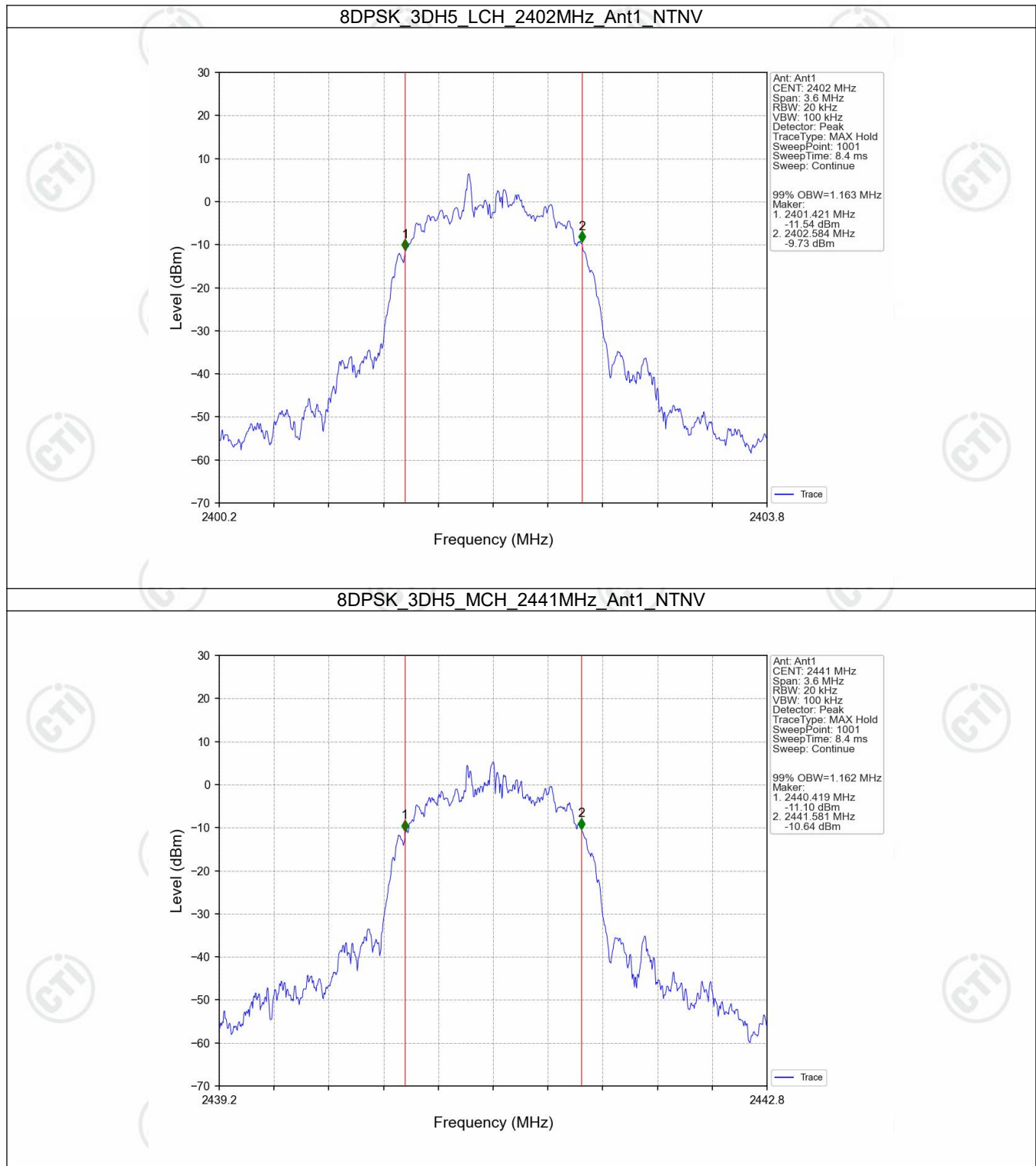


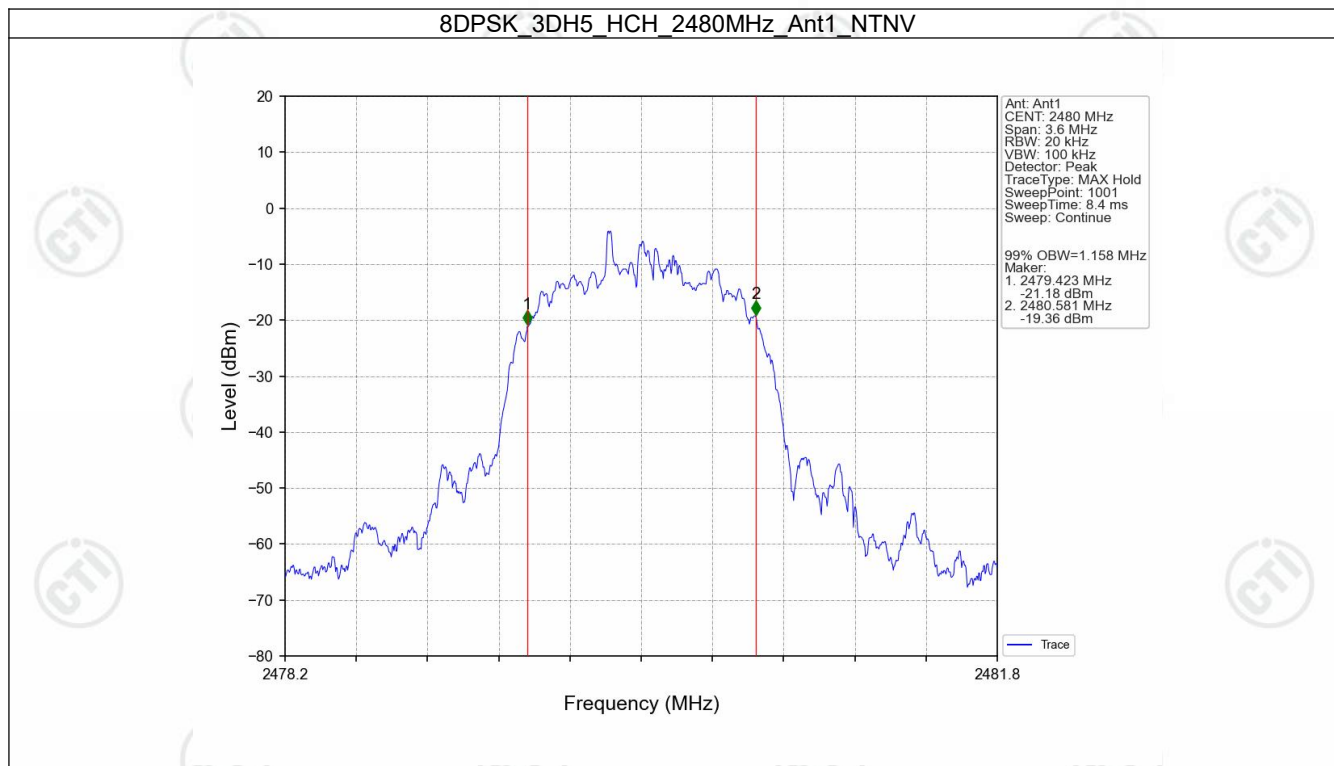
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



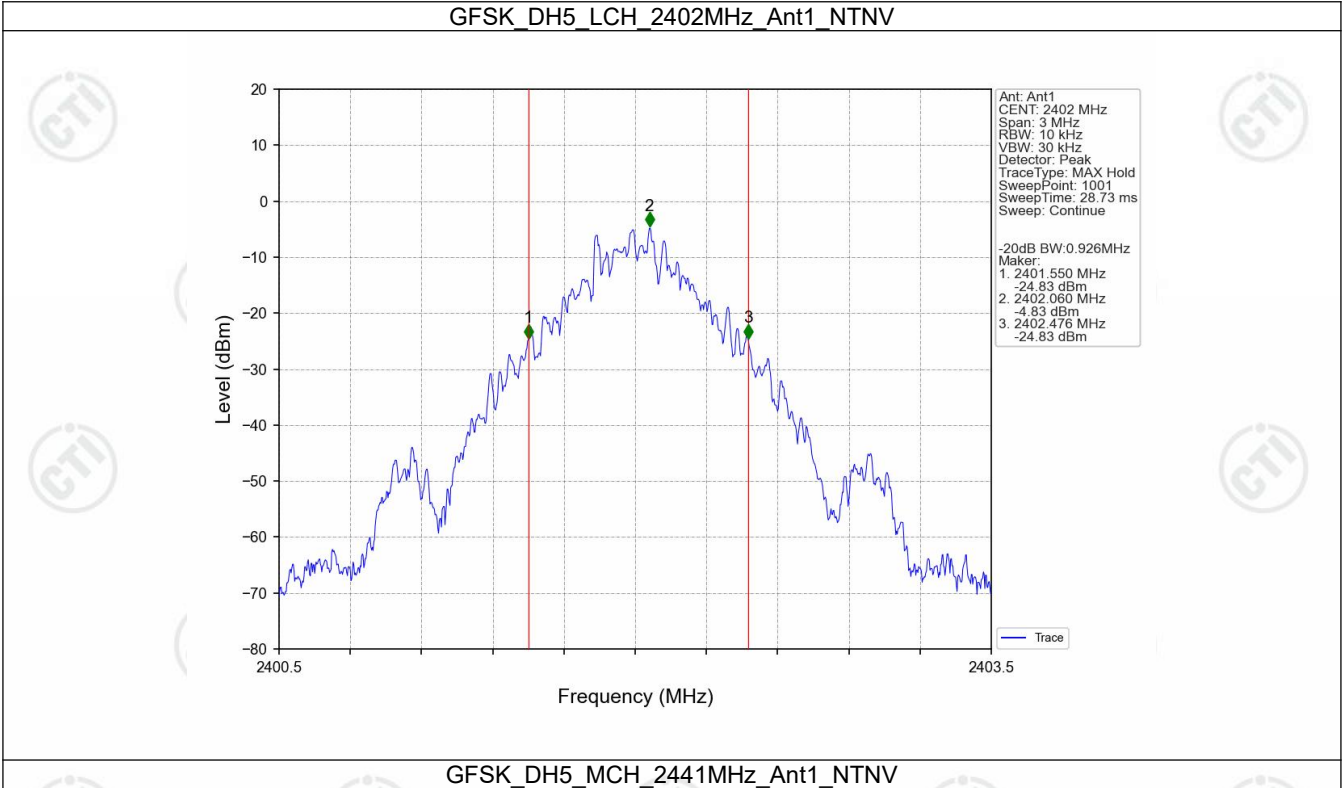
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

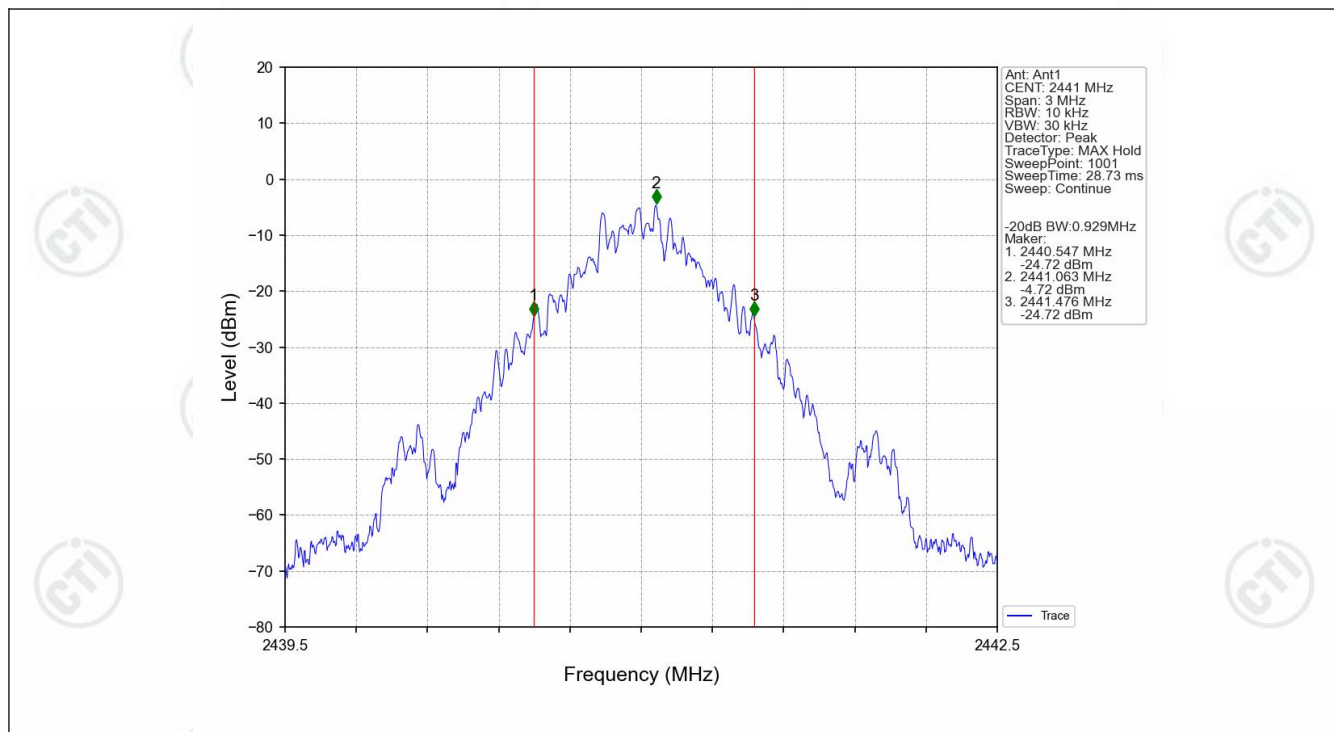




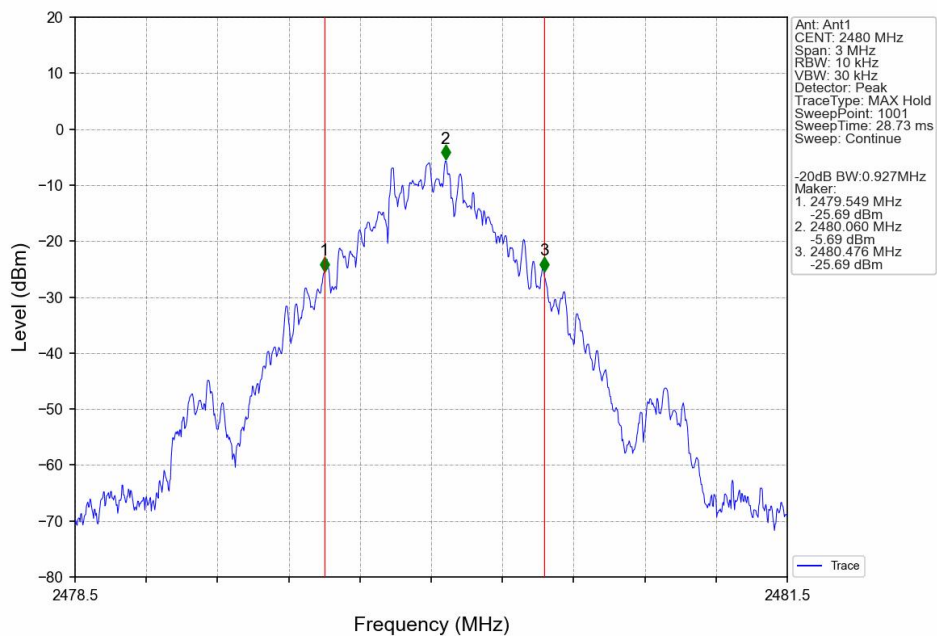


1.2.2 20dB BW

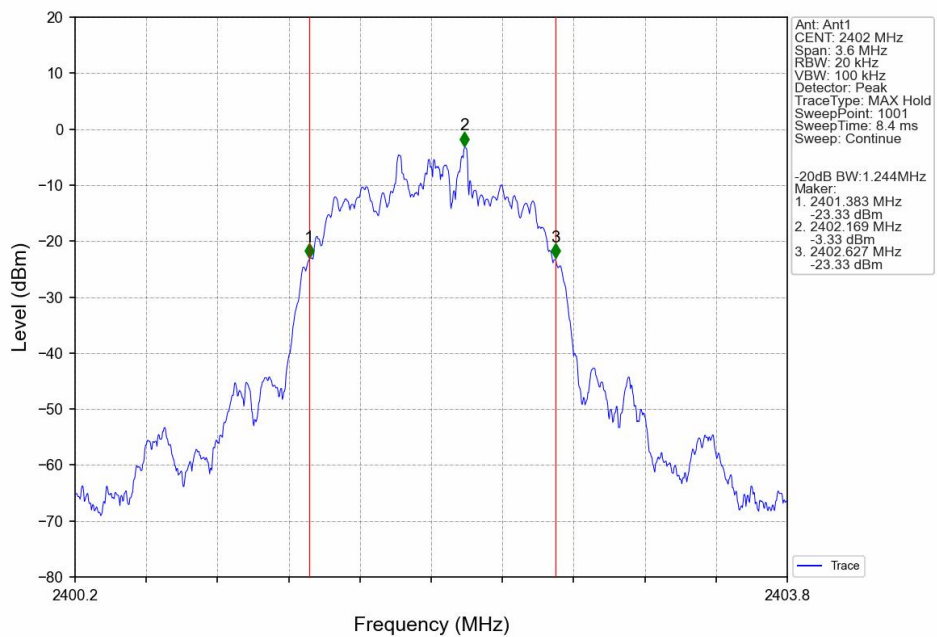




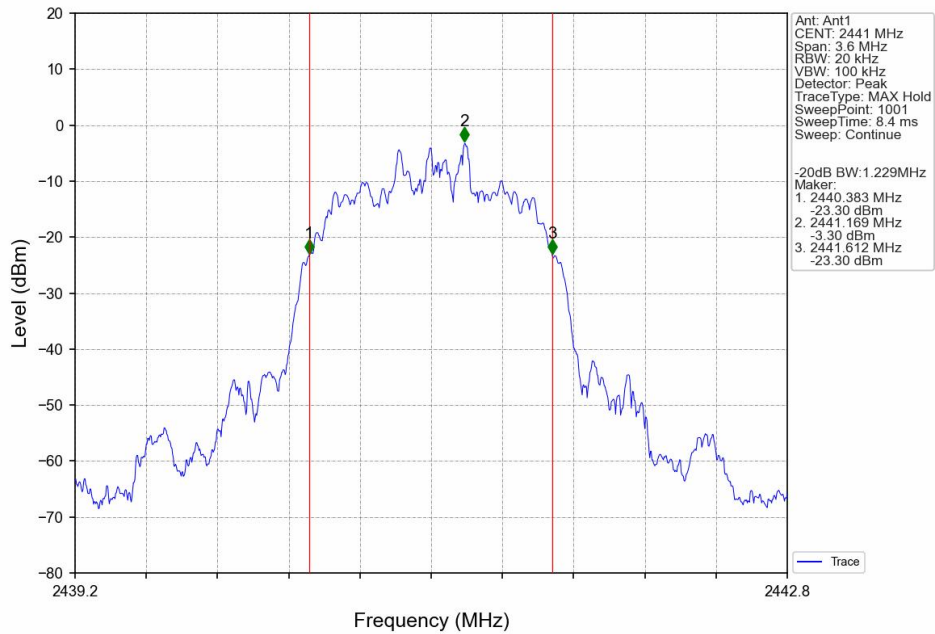
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



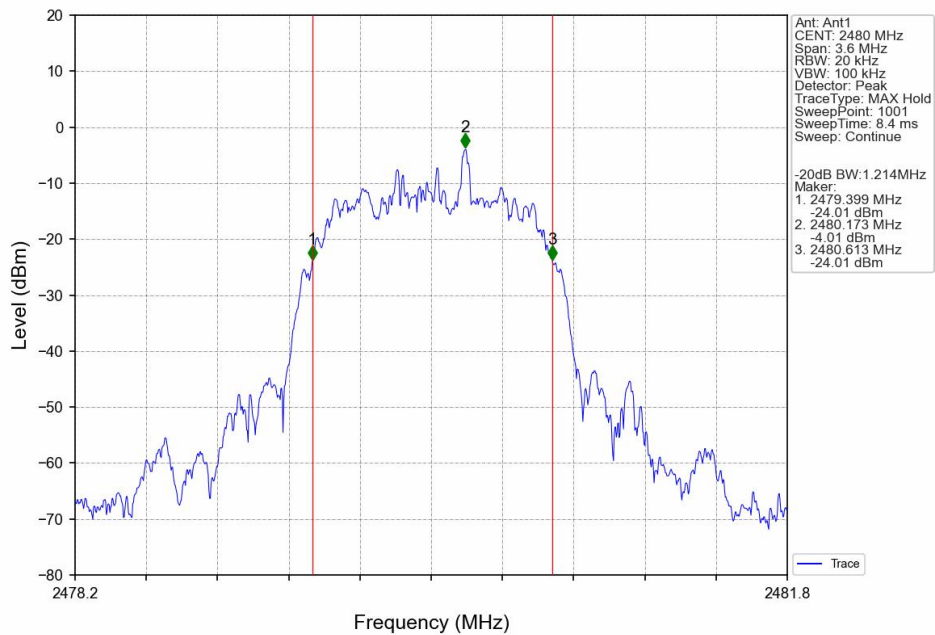
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



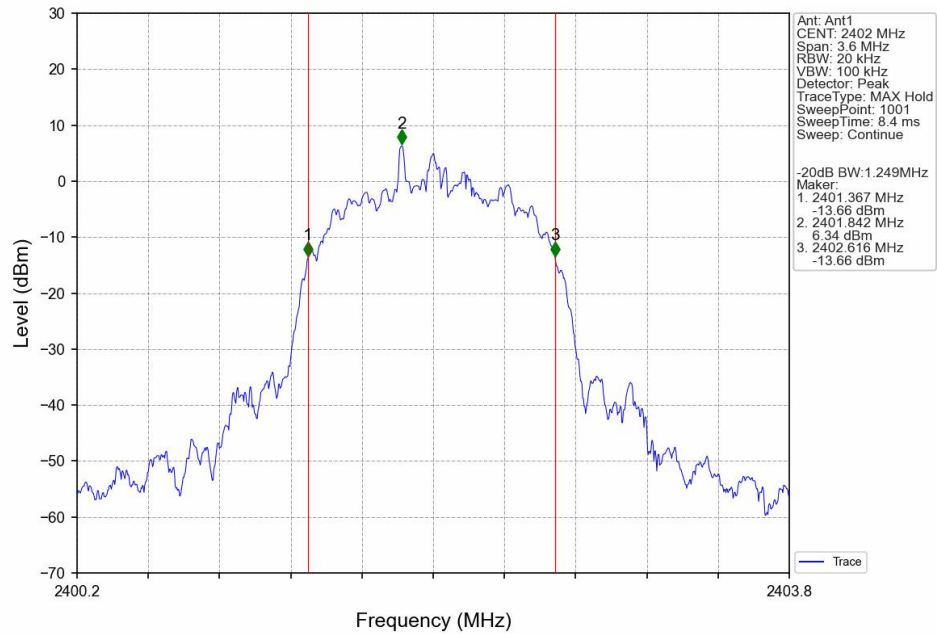
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



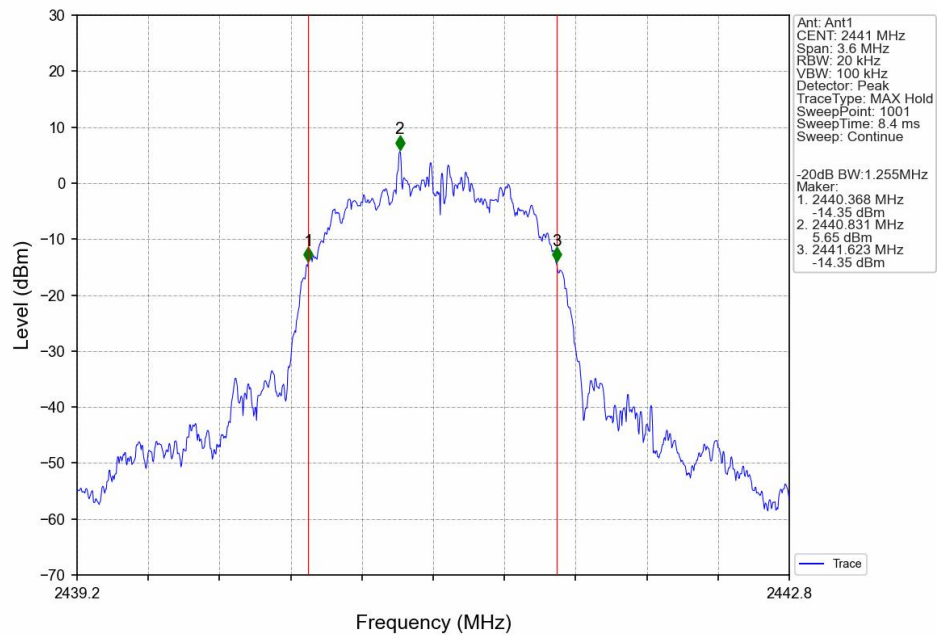
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

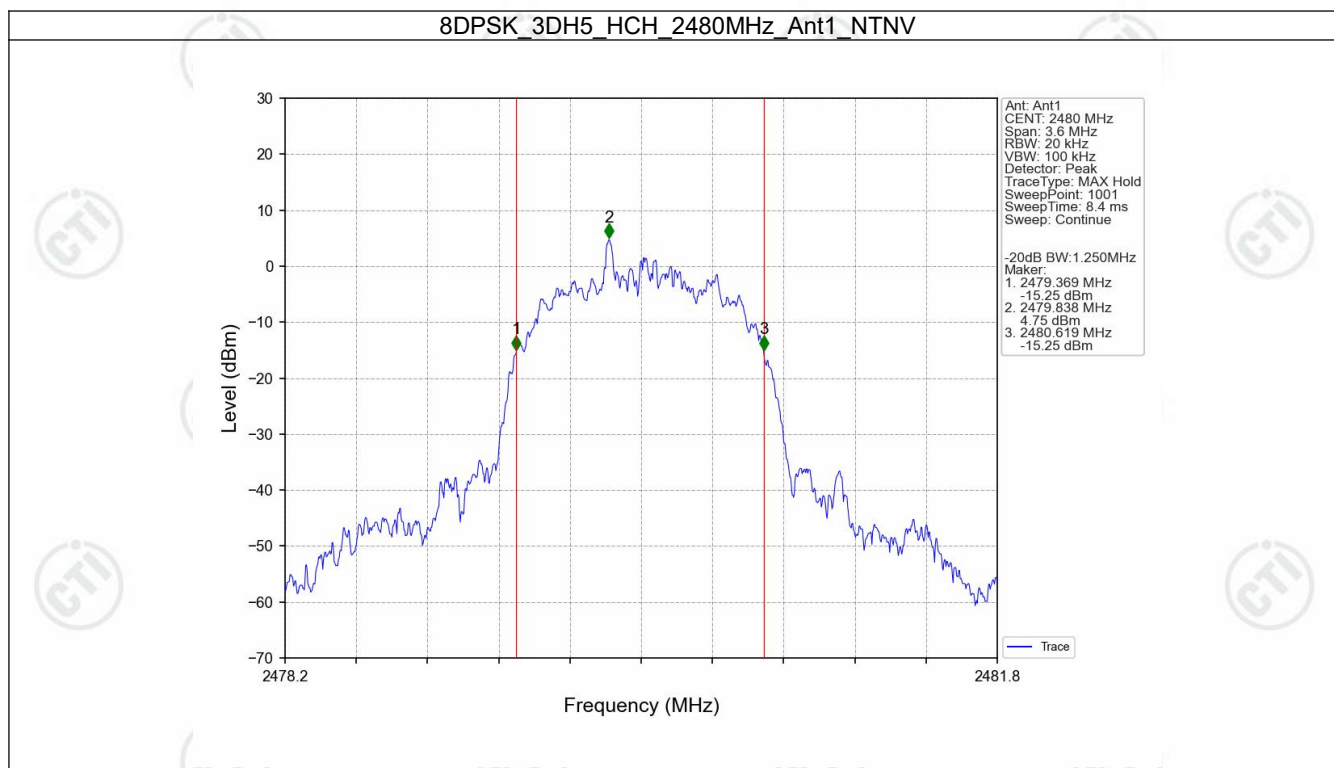


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_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	0.12	<=30	Pass
		2441	DH5	0.18	<=30	Pass
		2480	DH5	-0.75	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	0.10	<=20.97	Pass
		2441	2DH5	0.18	<=20.97	Pass
		2480	2DH5	-0.52	<=20.97	Pass
8DPSK	SISO	2402	3DH5	0.70	<=20.97	Pass
		2441	3DH5	0.83	<=20.97	Pass
		2480	3DH5	-0.21	<=20.97	Pass

Note1: Antenna Gain: Ant1: 3.53dBi;

3. Carrier Frequency Separation

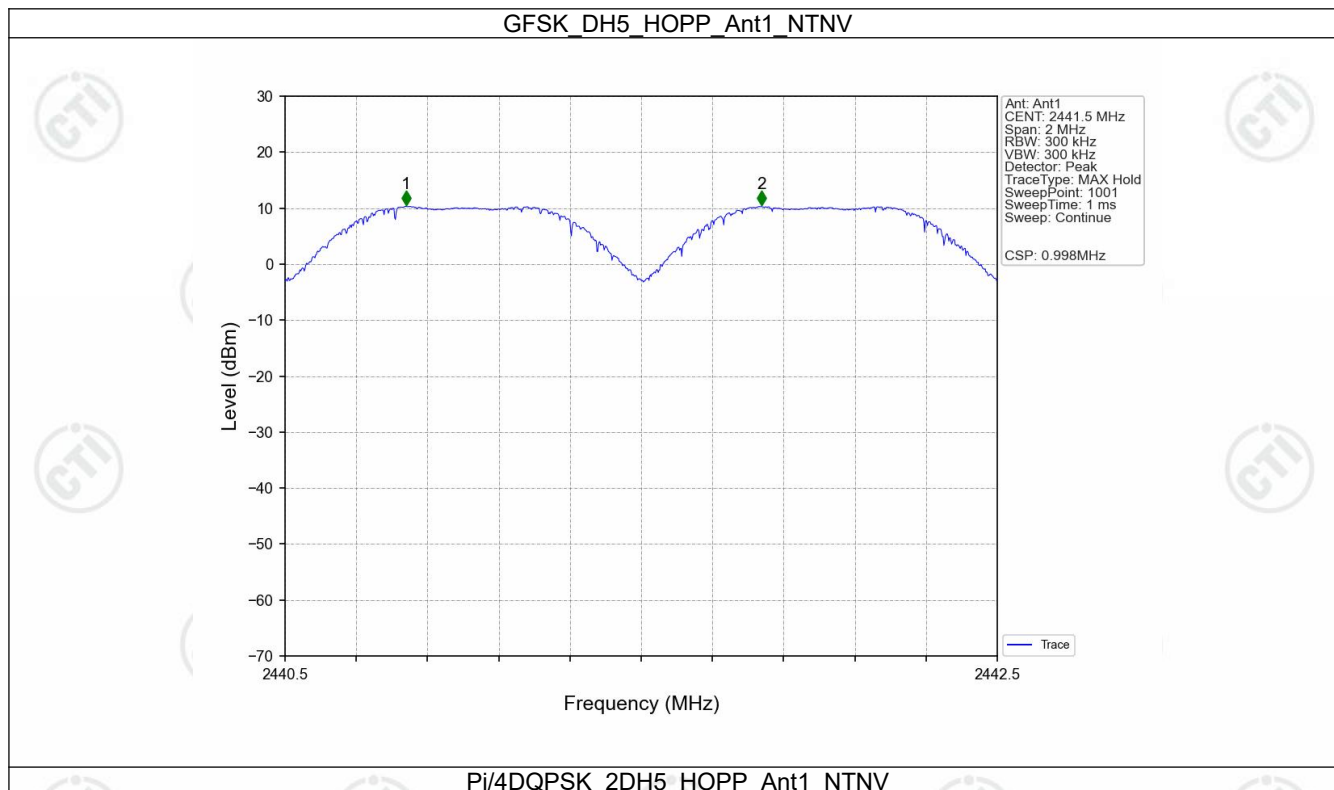
3.1 Test Result

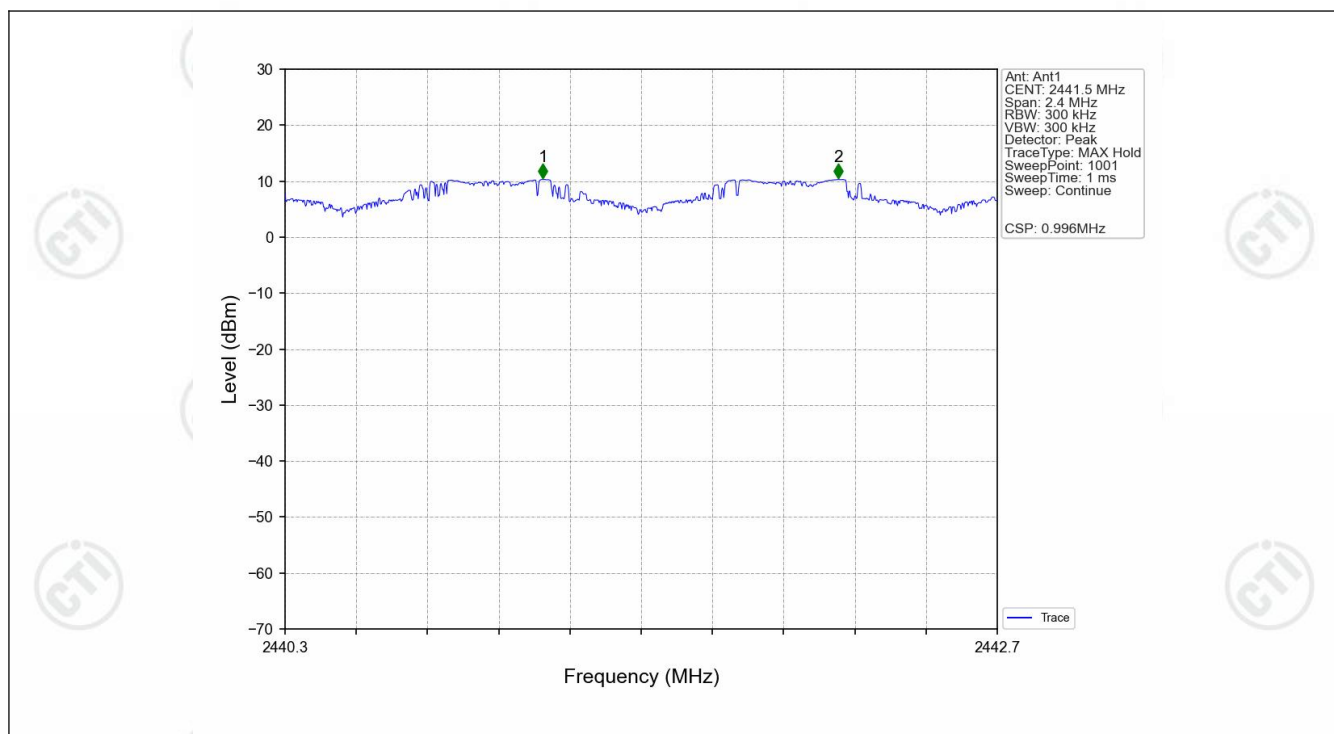
3.1.1 Ant1

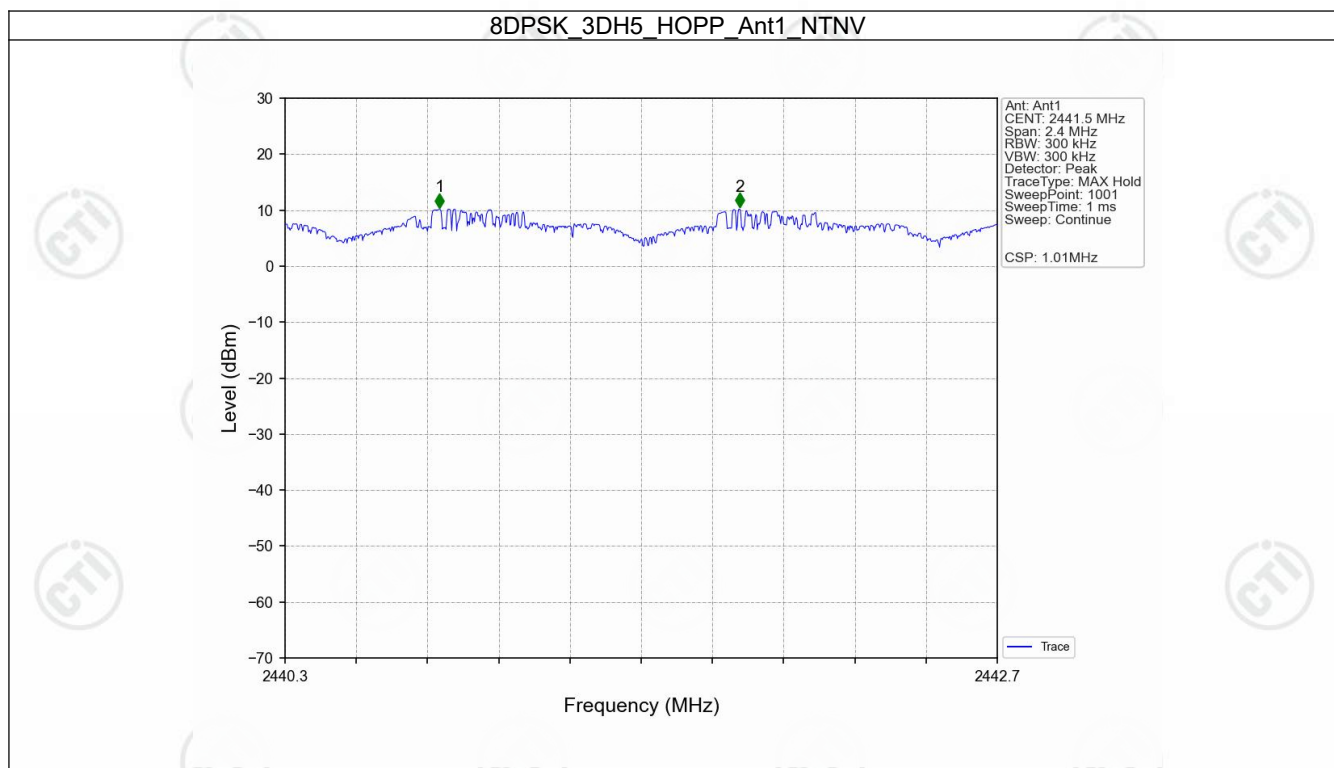
Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.998	0.929	>=0.929	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	0.996	1.244	>=0.829	Pass
8DPSK	SISO	HOPP	3DH5	1.010	1.252	>=0.835	Pass

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
8DPSK	SISO	HOPP	3DH5	79	≥ 15	Pass

4.2 Test Graph

4.2.1 HoppNum

