

Appendix: Bluetooth Classic

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1. Duty Cycle

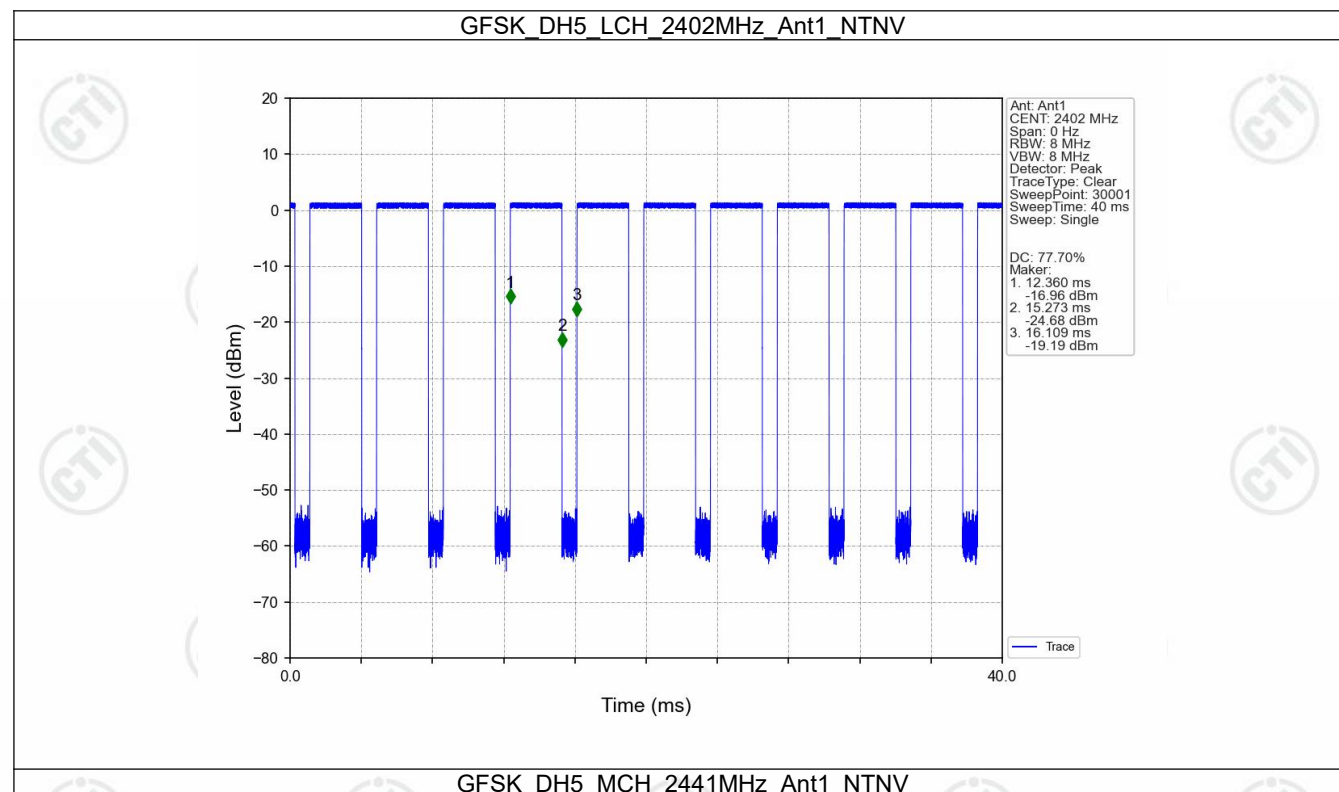
1.1 Test Result

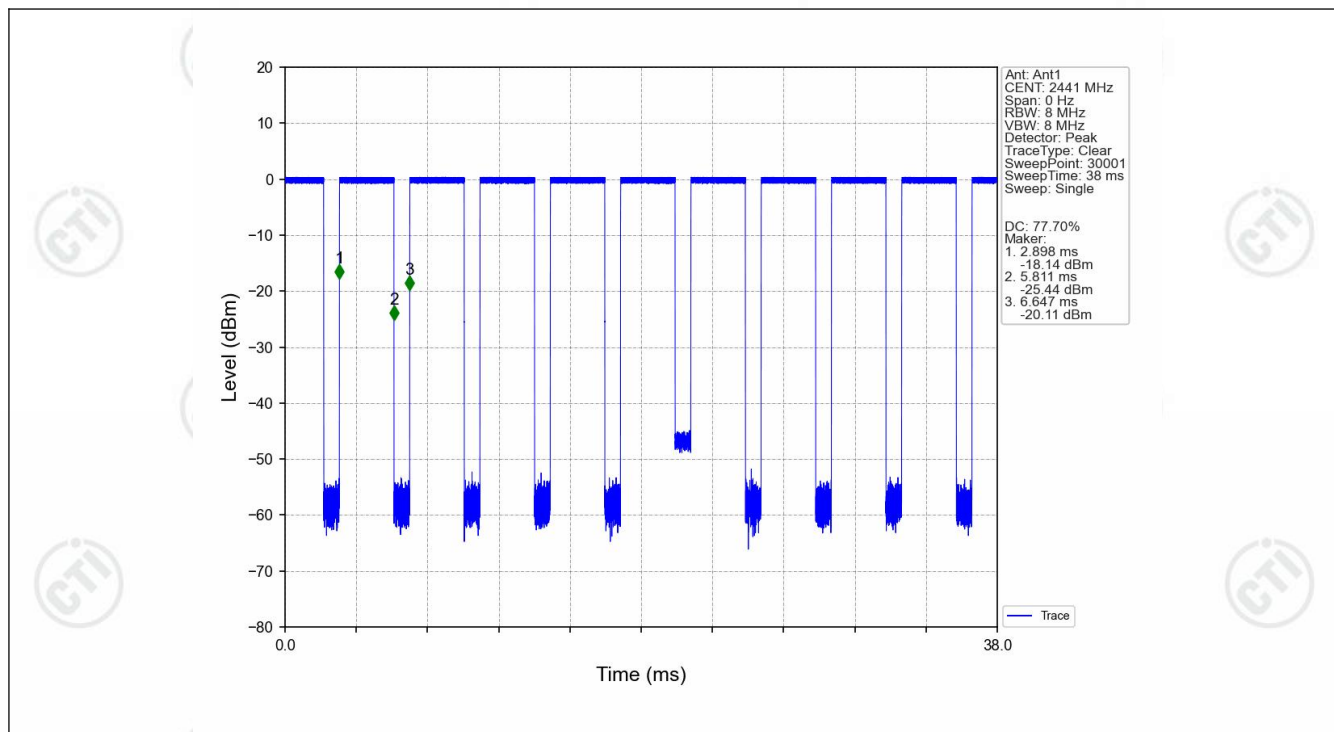
1.1.1 Ant1

Ant1								
Mode	Tx Type	Frequency (MHz)	Packet Type	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
GFSK	SISO	2402	DH5	2.913	3.749	77.70	1.10	0.04
		2441	DH5	2.913	3.749	77.70	1.10	11.13
		2480	DH5	2.913	3.749	77.70	1.10	0.03
Pi/4DQPSK	SISO	2402	2DH5	2.920	3.750	77.87	1.09	0.01
		2441	2DH5	2.920	3.750	77.87	1.09	0.01
		2480	2DH5	2.920	3.750	77.87	1.09	0.01

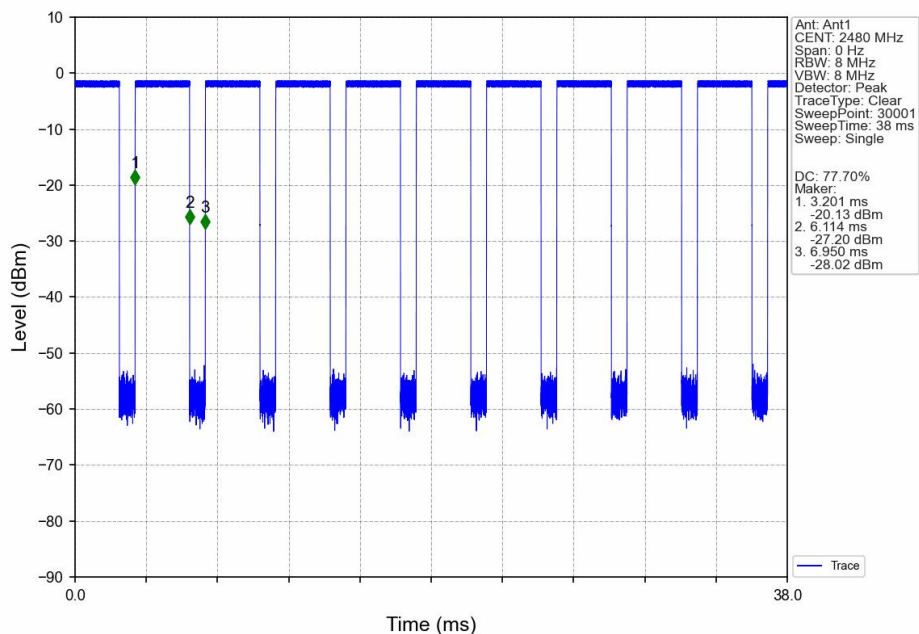
1.2 Test Graph

1.2.1 Ant1

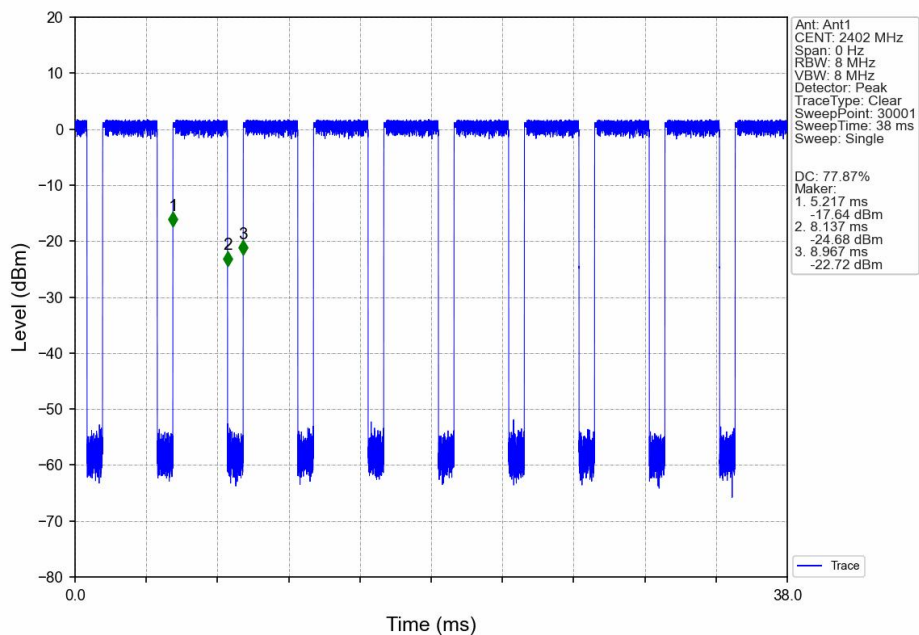




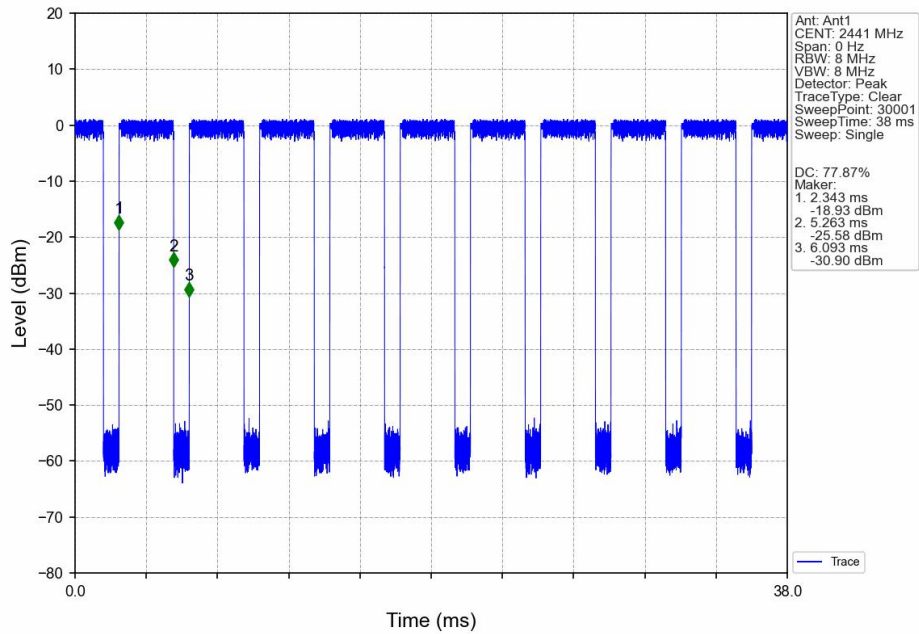
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



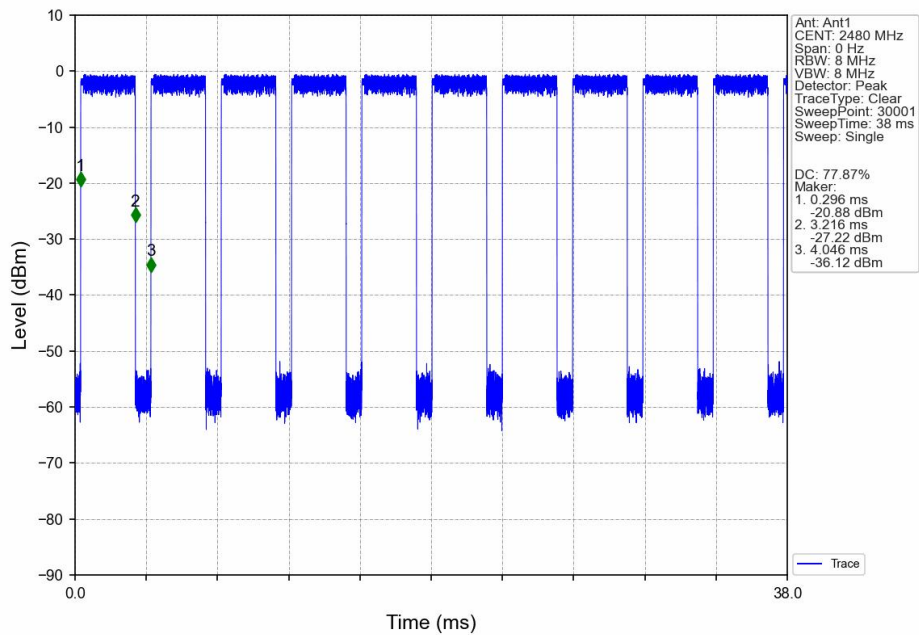
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

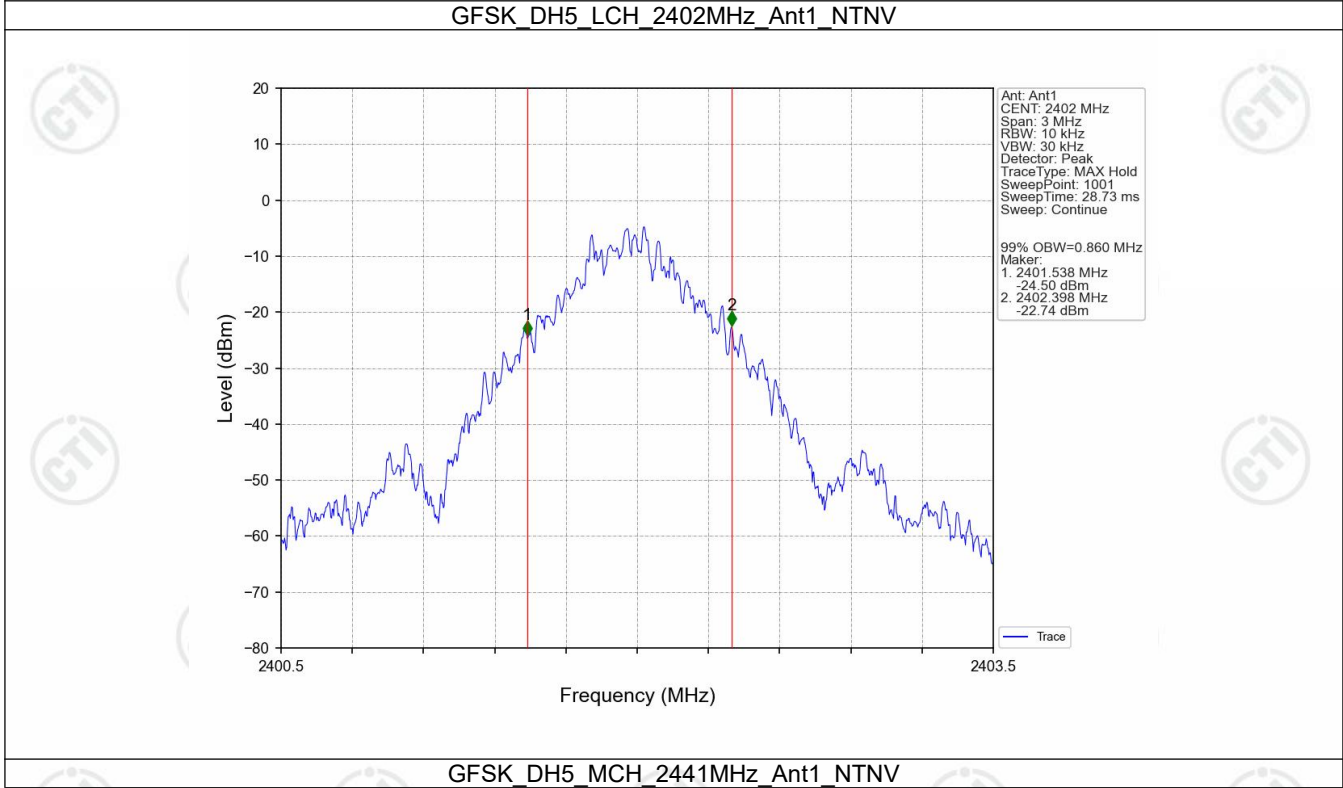
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.860	/	Pass
		2441	DH5	1	0.863	/	Pass
		2480	DH5	1	0.857	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.166	/	Pass
		2441	2DH5	1	1.160	/	Pass
		2480	2DH5	1	1.161	/	Pass

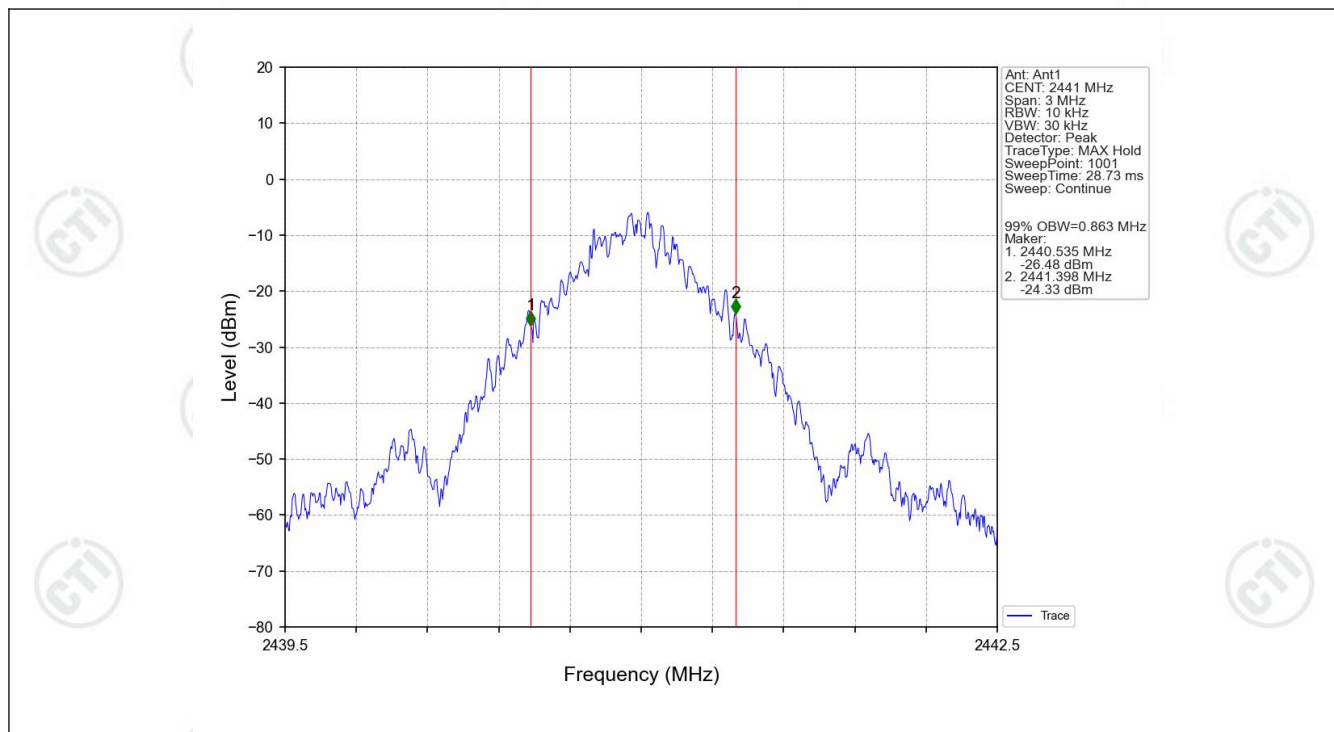
2.1.2 20dB BW

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.925	/	Pass
		2441	DH5	1	0.927	/	Pass
		2480	DH5	1	0.929	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.227	/	Pass
		2441	2DH5	1	1.257	/	Pass
		2480	2DH5	1	1.209	/	Pass

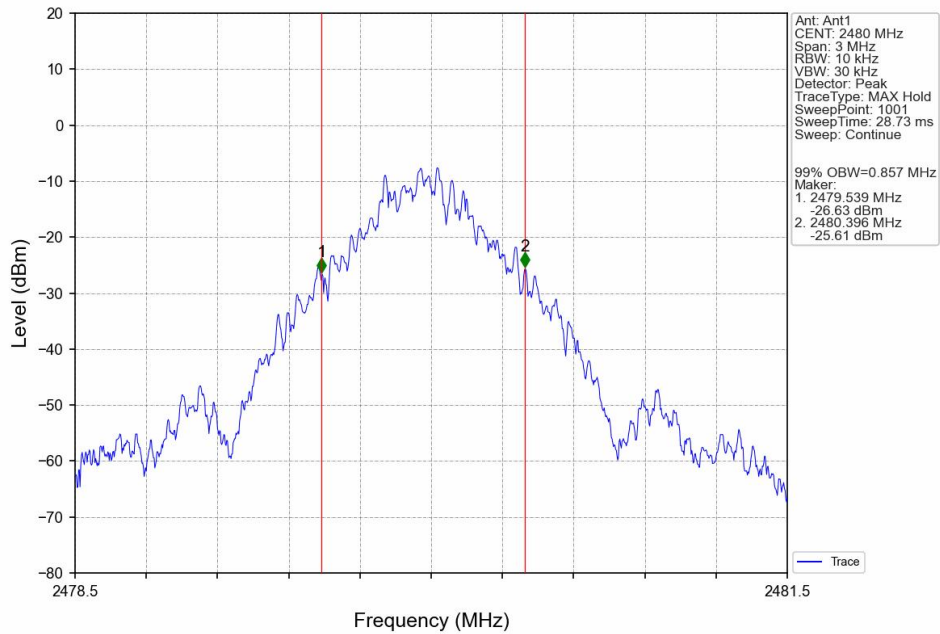
2.2 Test Graph

2.2.1 OBW

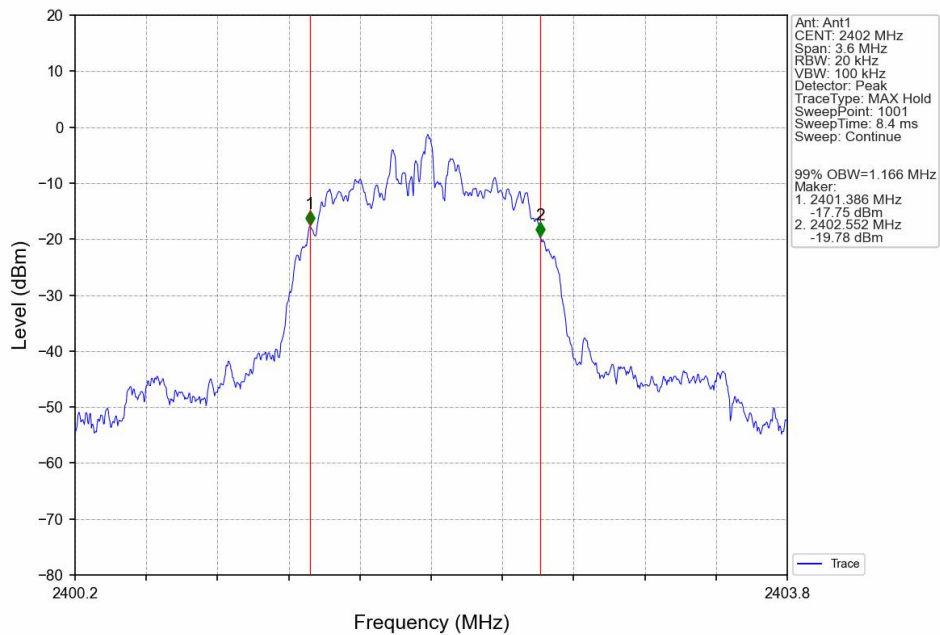




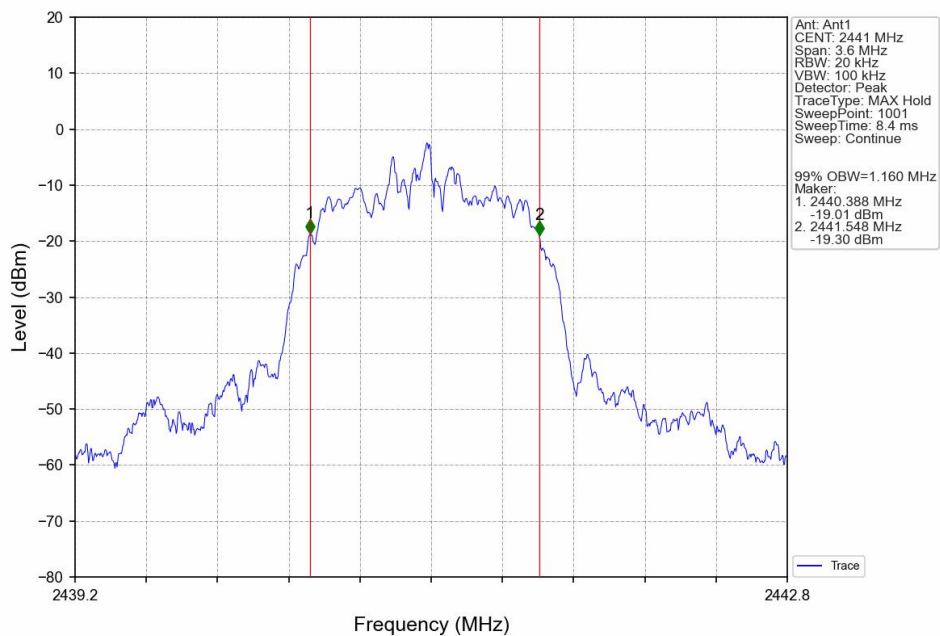
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



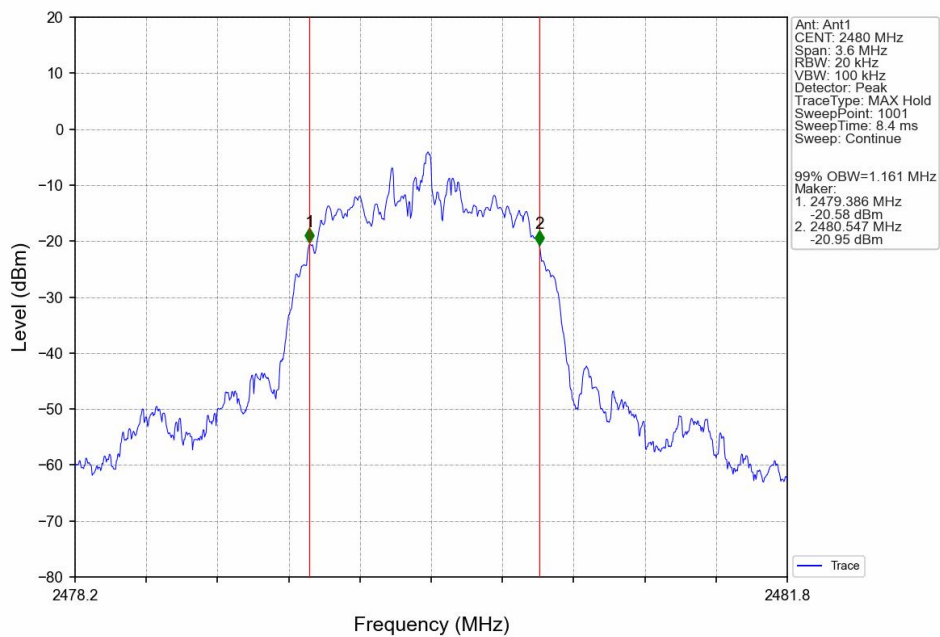
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



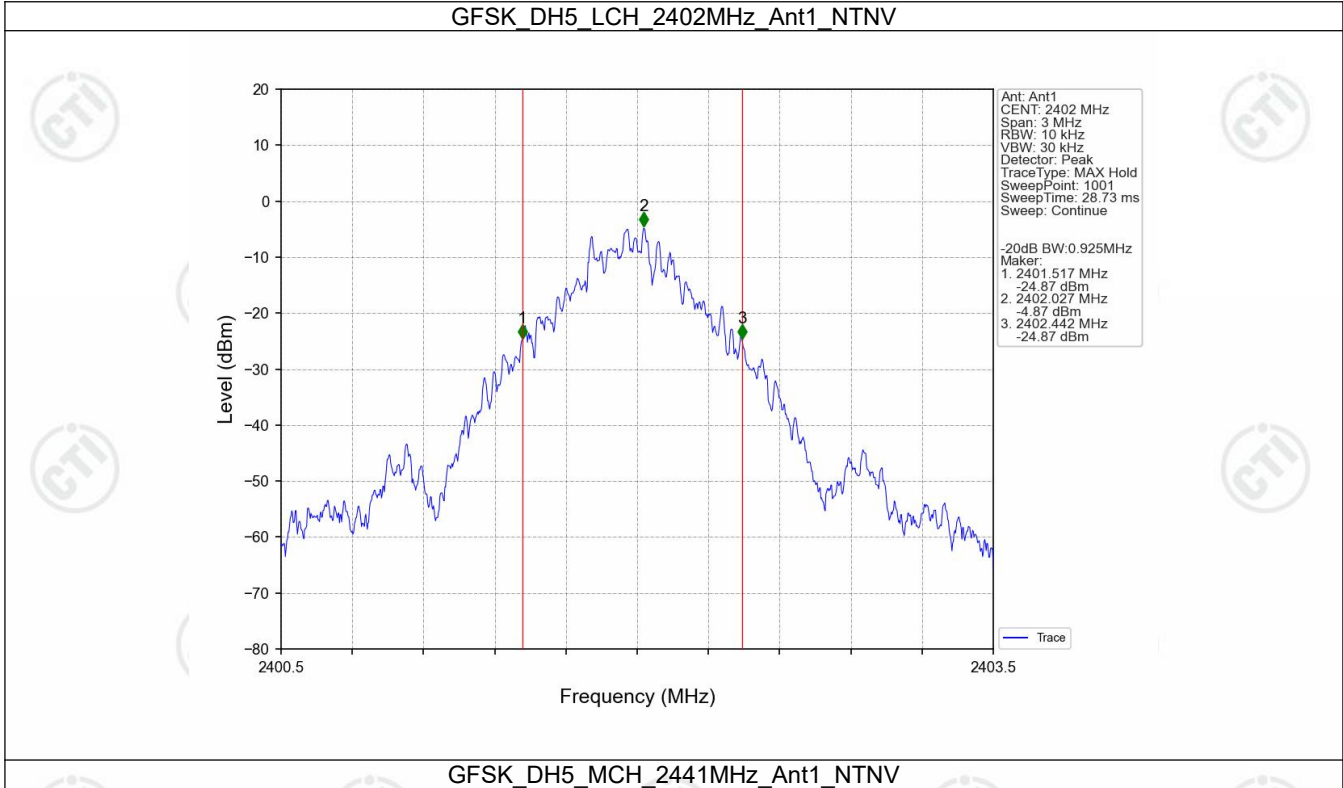
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV

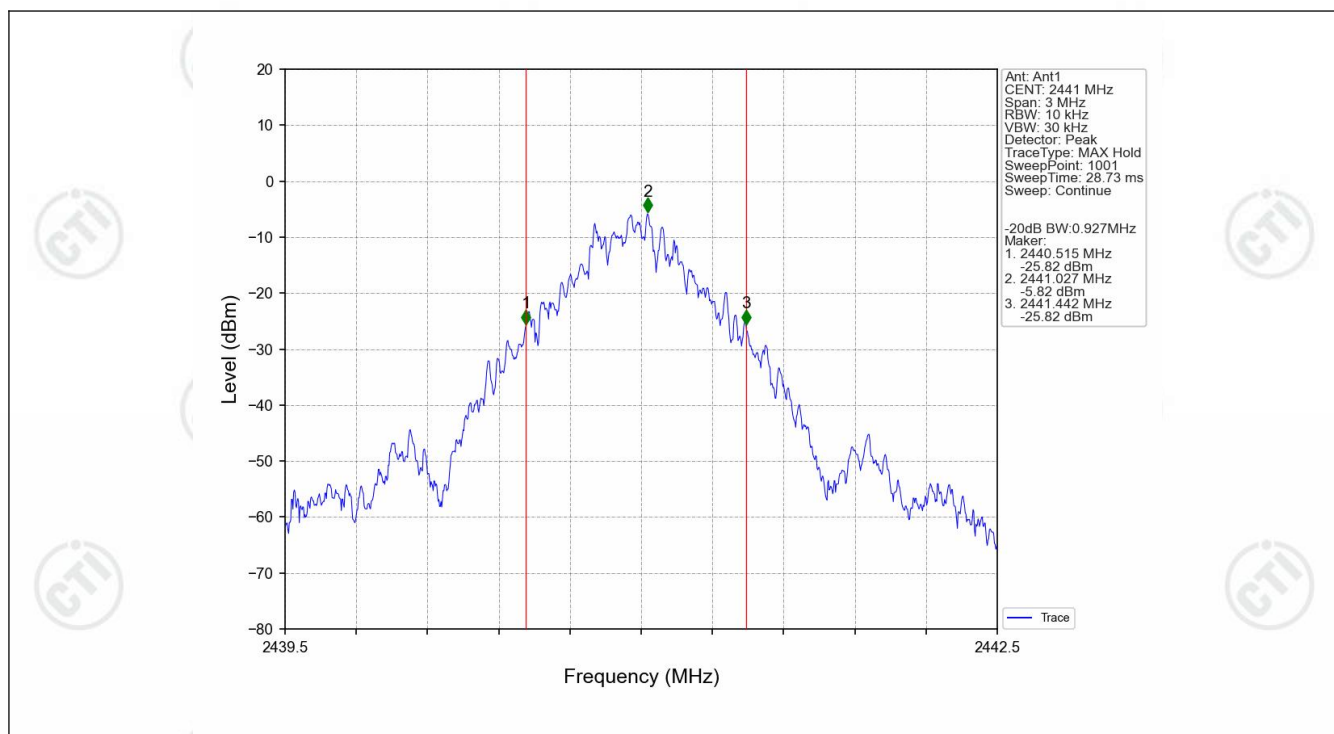


Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

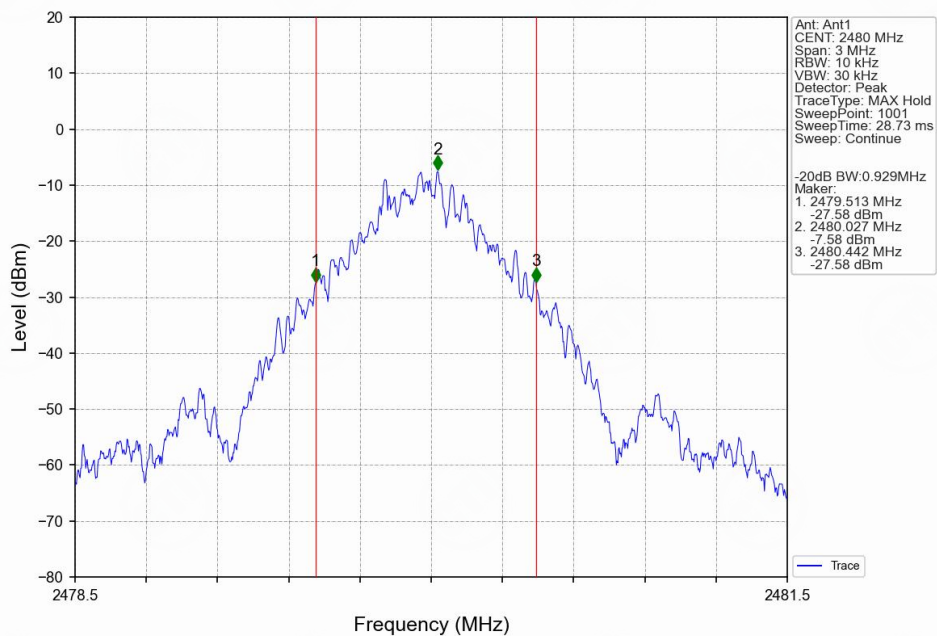


2.2.2 20dB BW

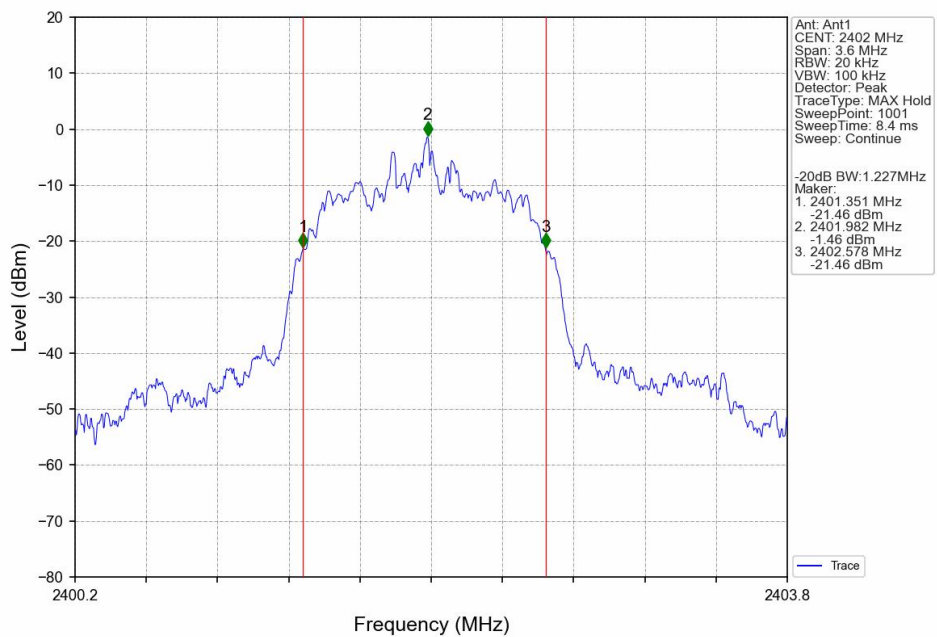




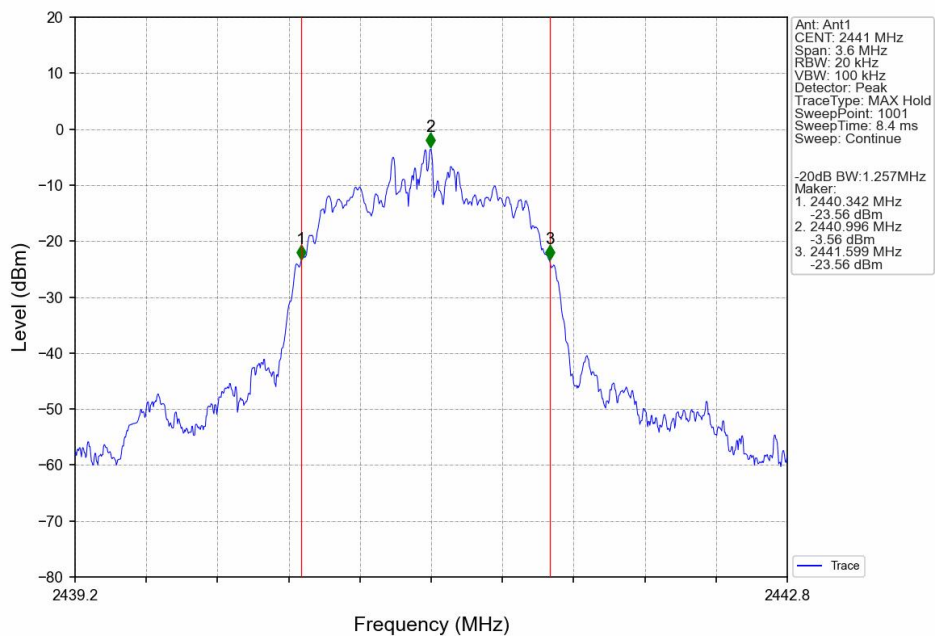
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



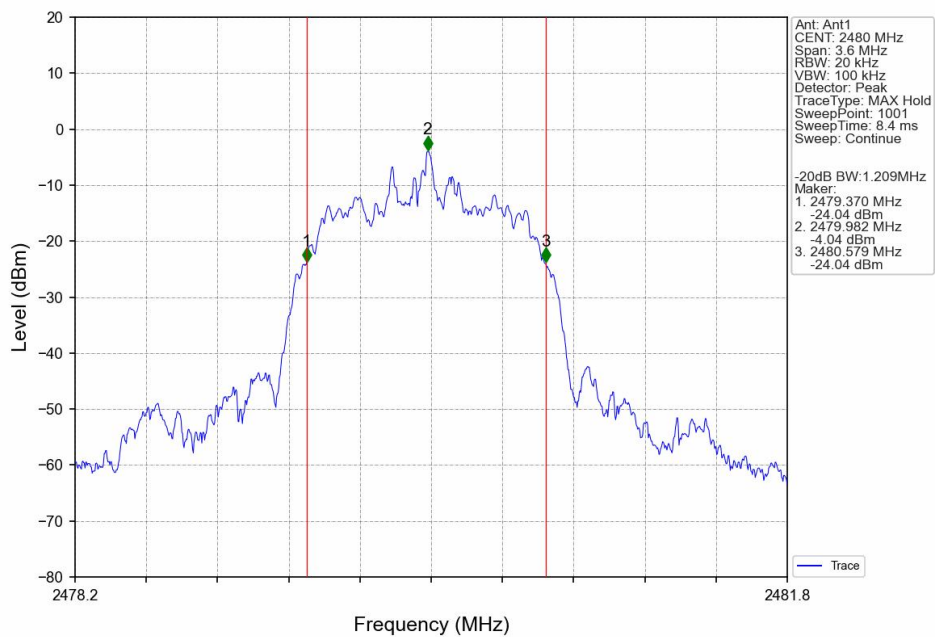
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

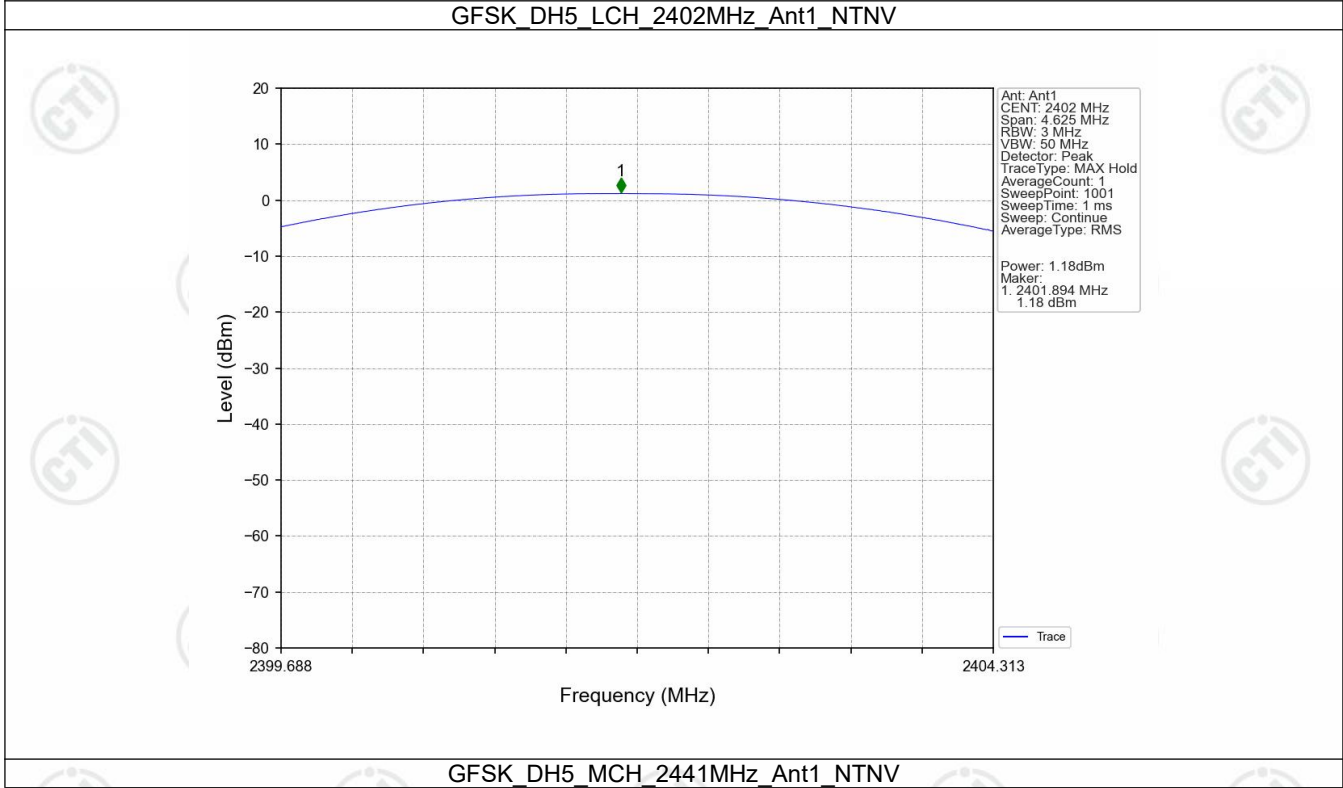
3.1.1 Power

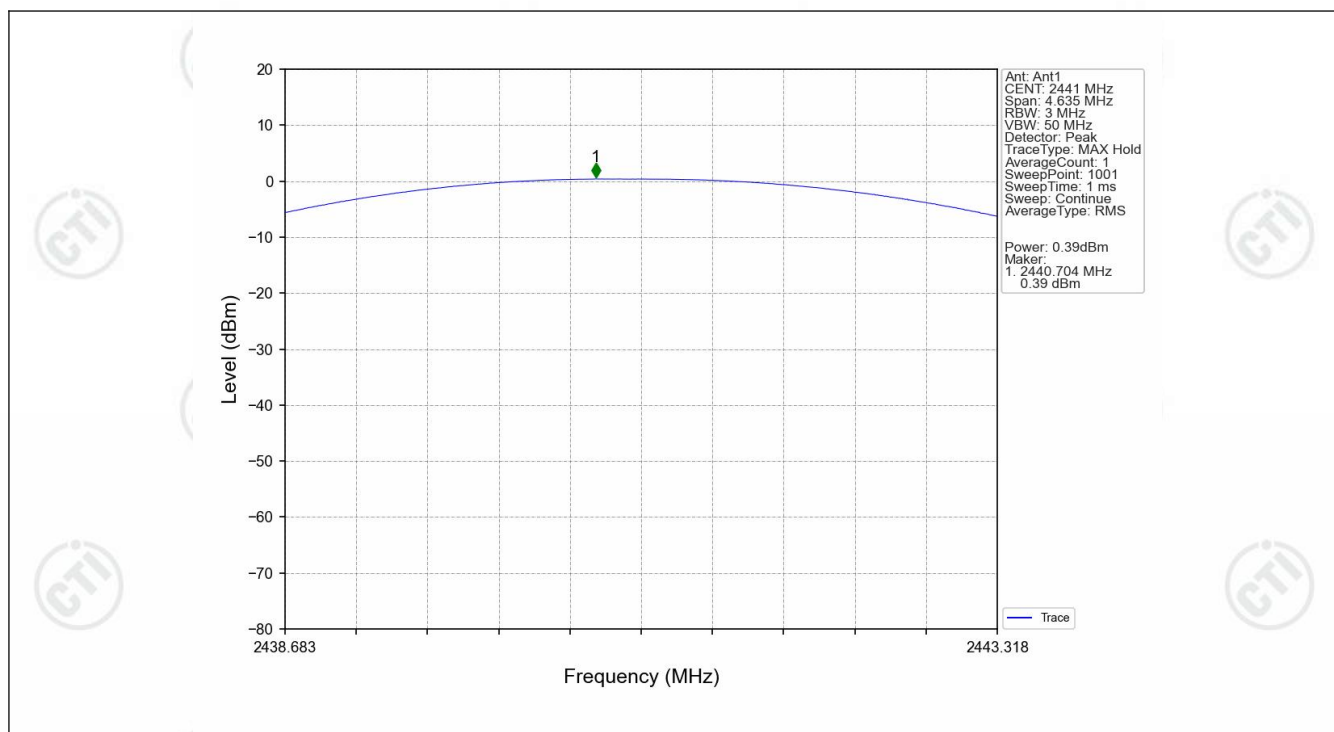
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	1.18	≤ 30	Pass
		2441	DH5	0.39	≤ 30	Pass
		2480	DH5	-1.31	≤ 30	Pass
Pi/4DQPSK	SISO	2402	2DH5	1.65	≤ 20.97	Pass
		2441	2DH5	1.06	≤ 20.97	Pass
		2480	2DH5	-0.53	≤ 20.97	Pass

Note1: Antenna Gain: Ant1: 2.56dBi;

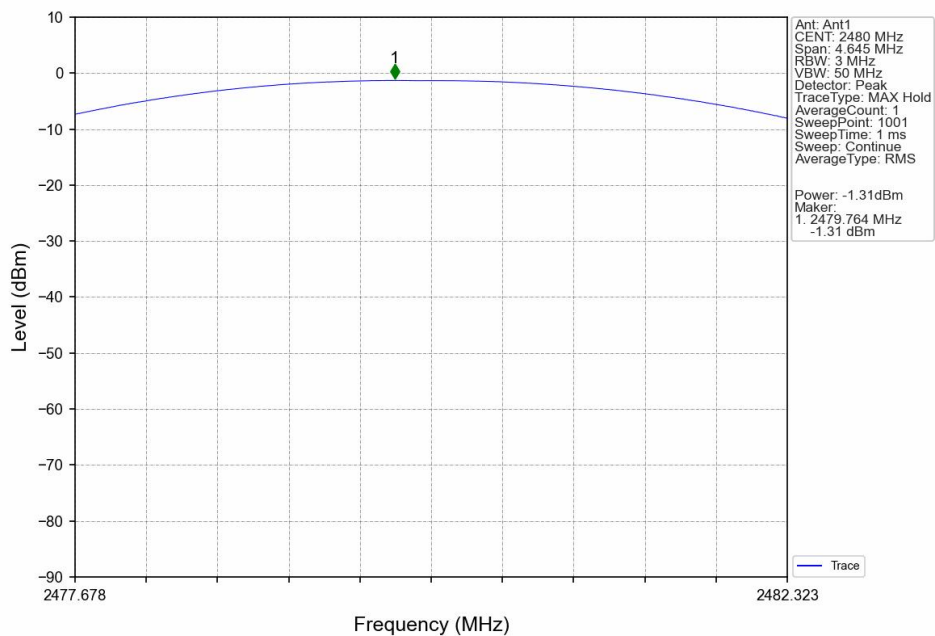
3.2 Test Graph

3.2.1 Power





GFSK_DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

