

Appendix: Bluetooth Classic

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1. Duty Cycle

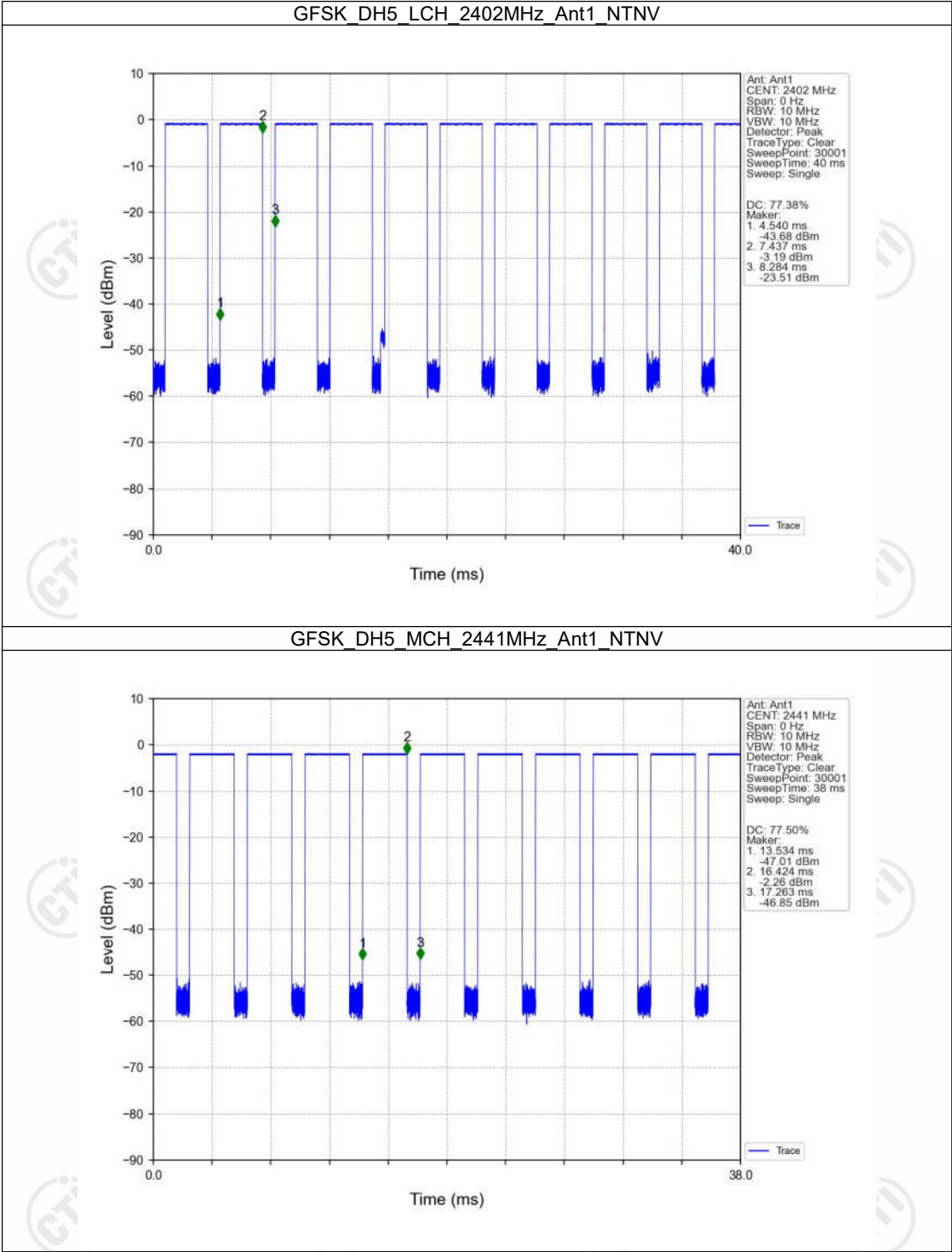
1.1 Test Result

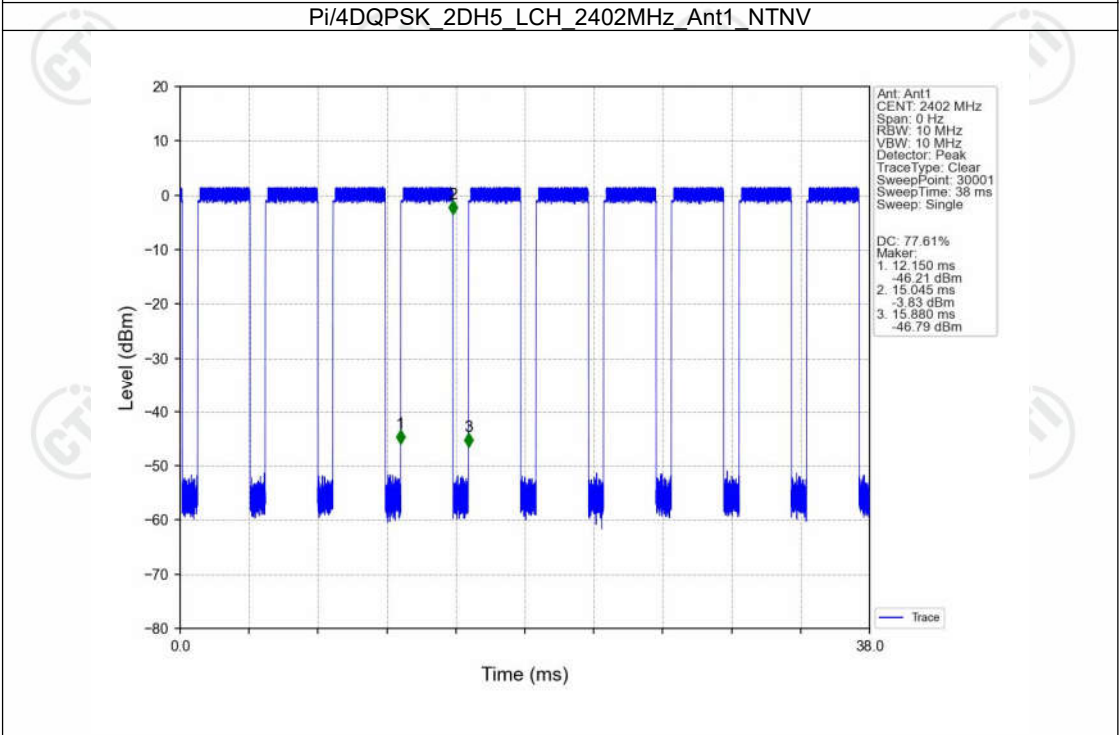
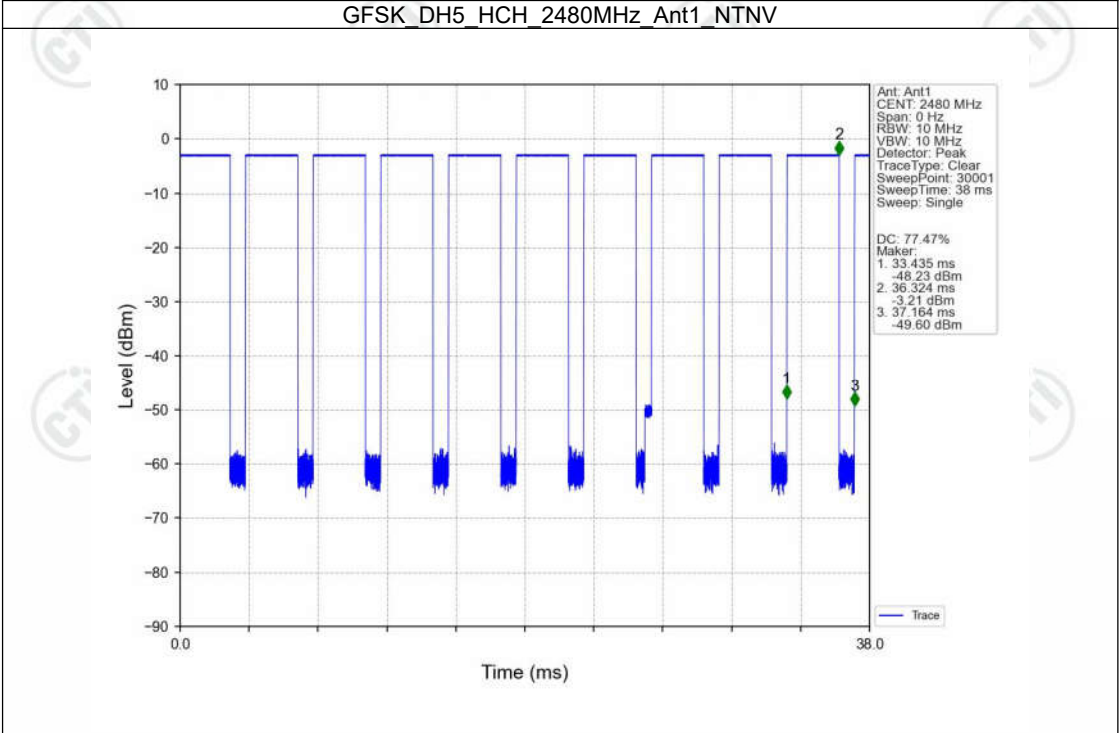
1.1.1 Ant1

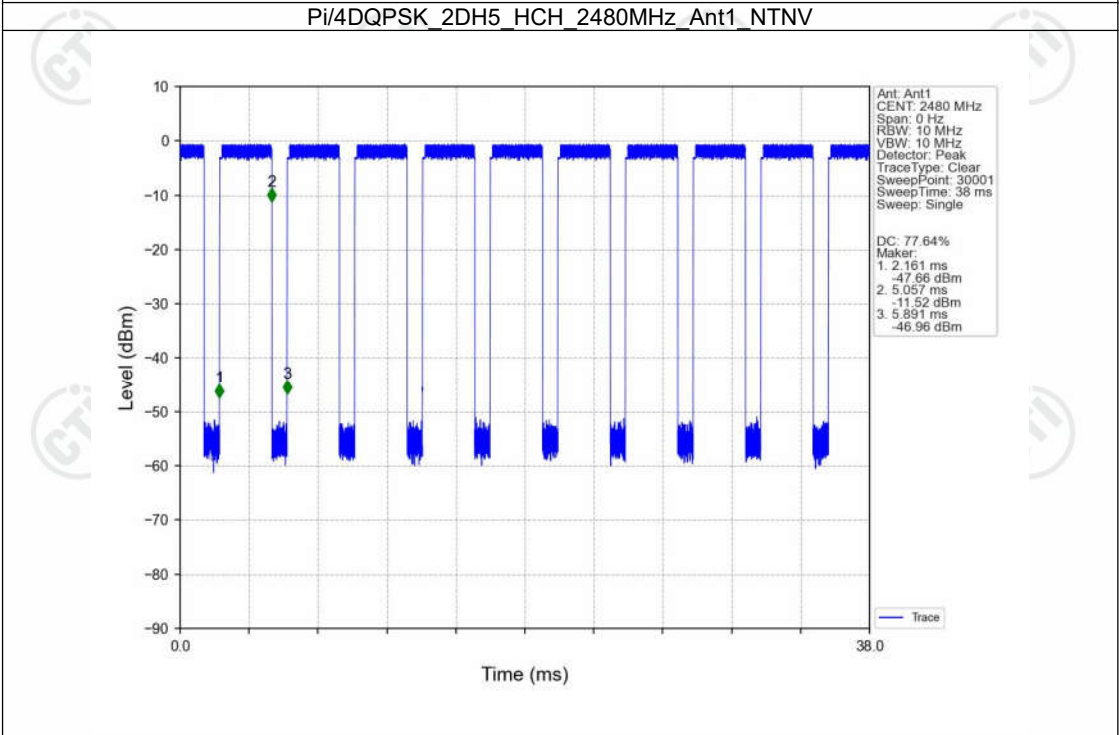
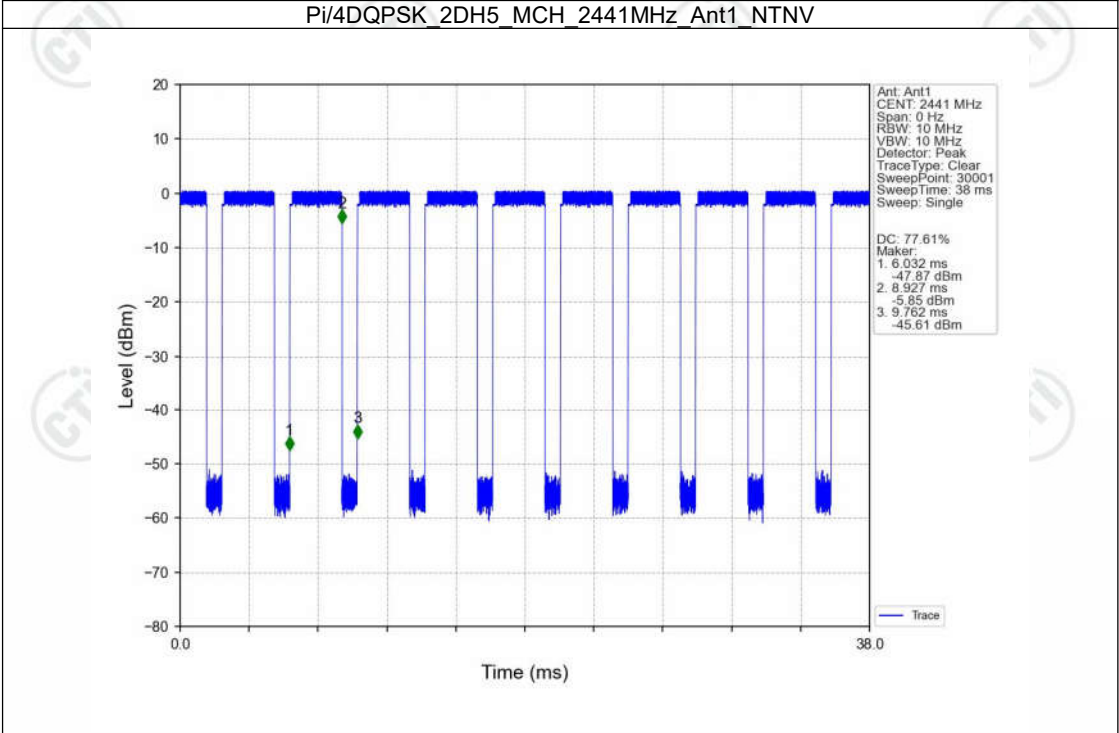
Ant1								
Mode	TX Type	Frequen cy (MHz)	Packet Type	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correctio n Factor (dB)	Max. DC Variation (%)
GFSK	SISO	2402	DH5	2.897	3.744	77.38	1.11	0.08
		2441	DH5	2.890	3.729	77.50	1.11	0.03
		2480	DH5	2.889	3.729	77.47	1.11	8.41
Pi/4DQP SK	SISO	2402	2DH5	2.895	3.730	77.61	1.10	0.03
		2441	2DH5	2.895	3.730	77.61	1.10	0.03
		2480	2DH5	2.896	3.730	77.64	1.10	0.03
8DPSK	SISO	2402	3DH5	2.909	3.743	77.72	1.09	0.00
		2441	3DH5	2.899	3.731	77.70	1.10	0.05
		2480	3DH5	2.898	3.729	77.72	1.09	0.01

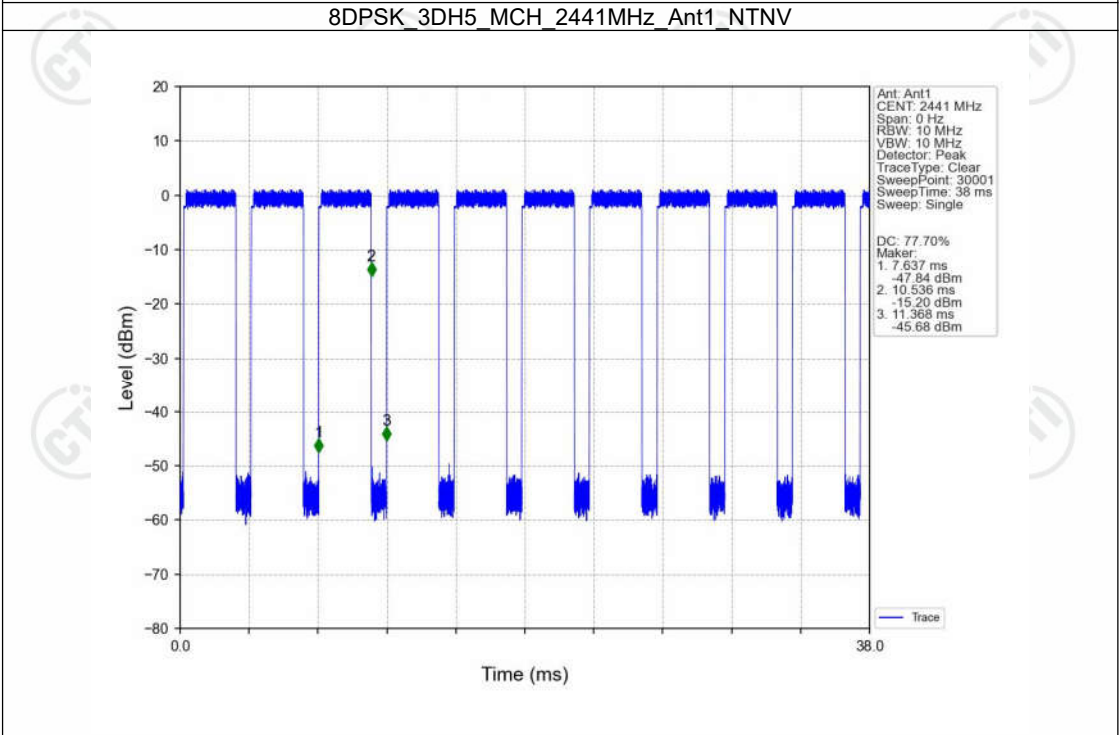
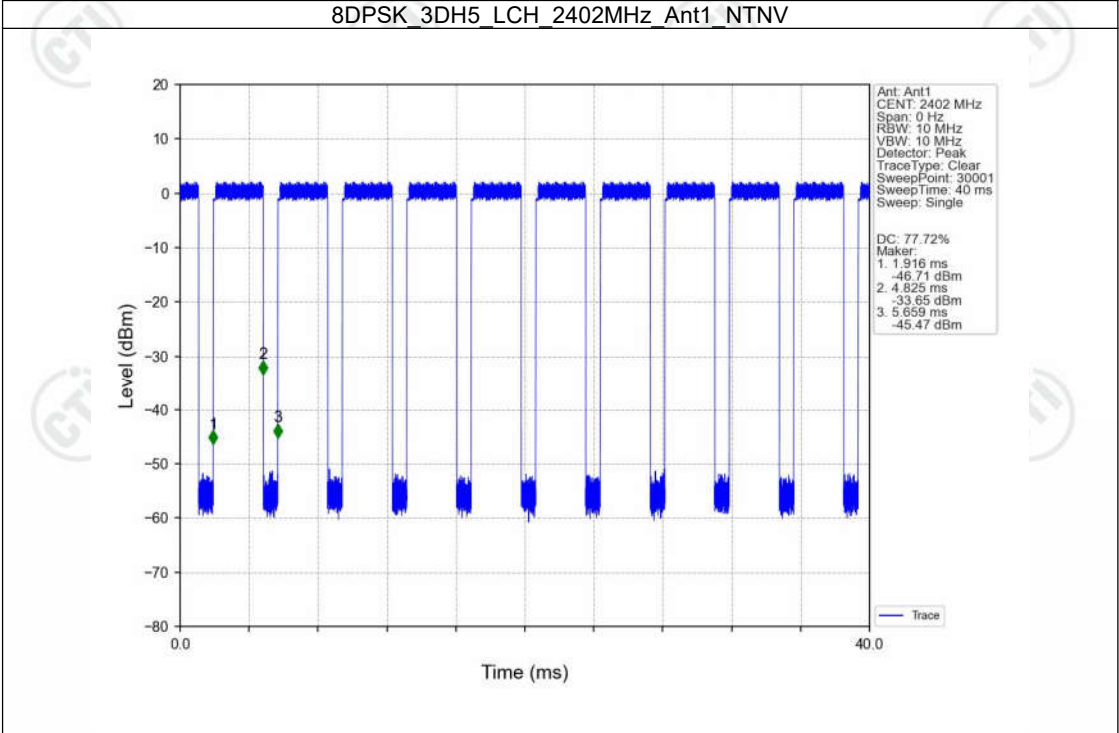
1.2 Test Graph

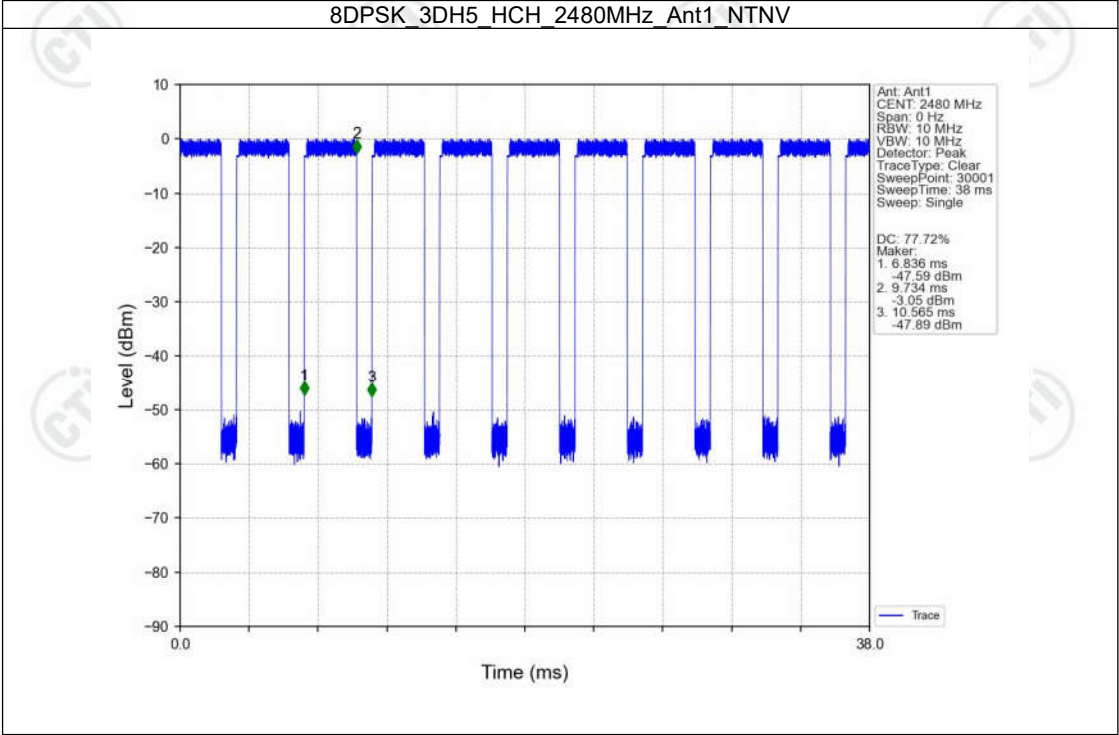
1.2.1 Ant1











2. Bandwidth

2.1 Test Result

2.1.1 OBW

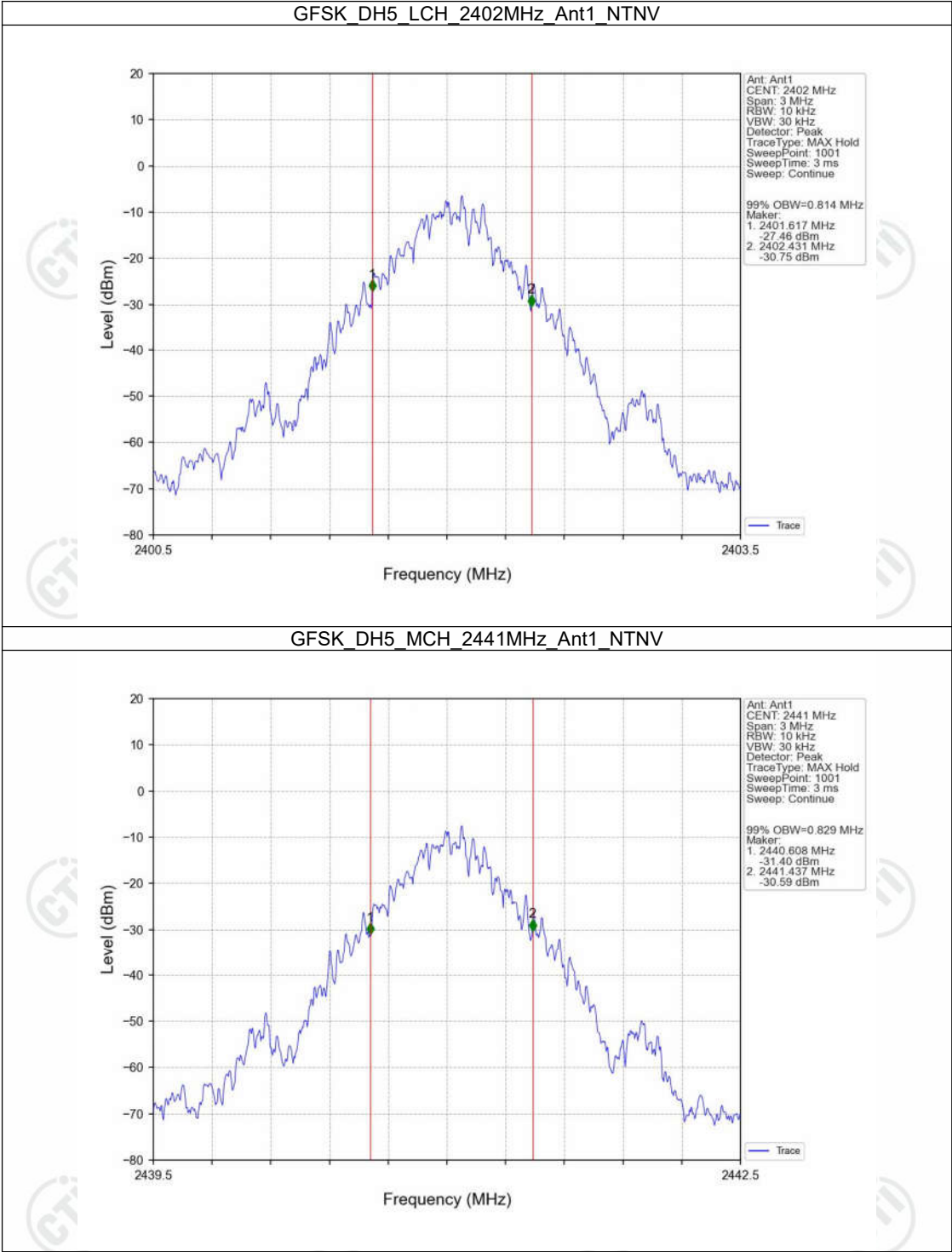
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.814	/	Pass
		2441	DH5	1	0.829	/	Pass
		2480	DH5	1	0.813	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.175	/	Pass
		2441	2DH5	1	1.174	/	Pass
		2480	2DH5	1	1.174	/	Pass
8DPSK	SISO	2402	3DH5	1	1.172	/	Pass
		2441	3DH5	1	1.171	/	Pass
		2480	3DH5	1	1.171	/	Pass

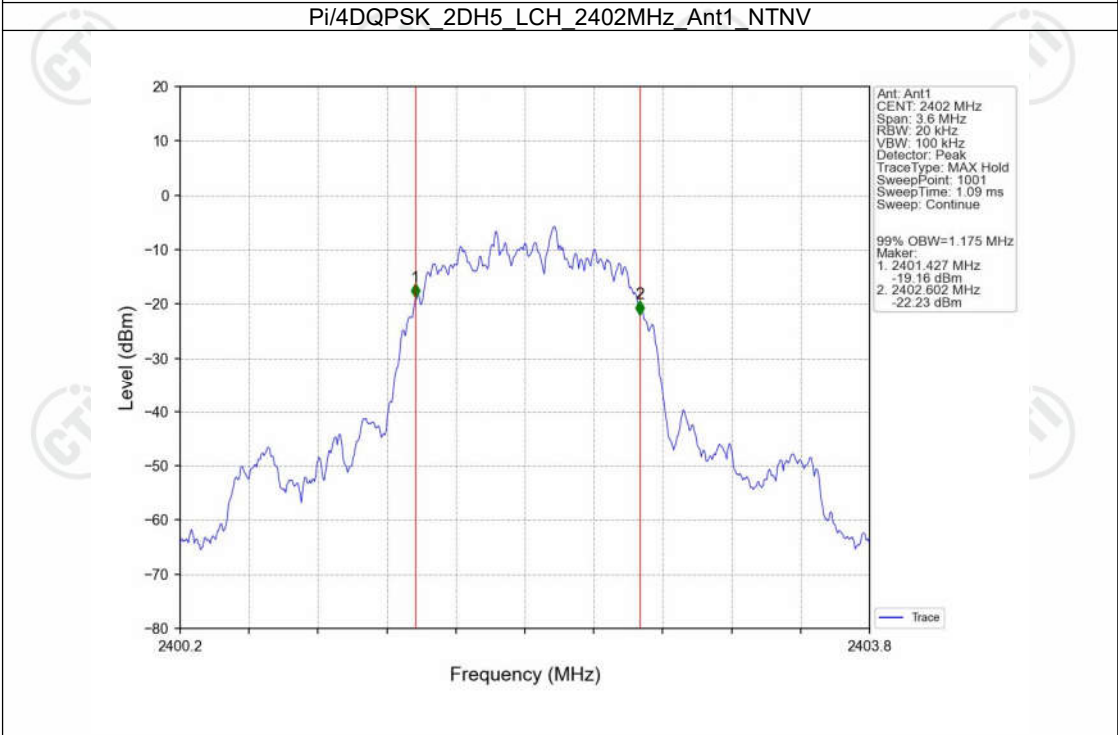
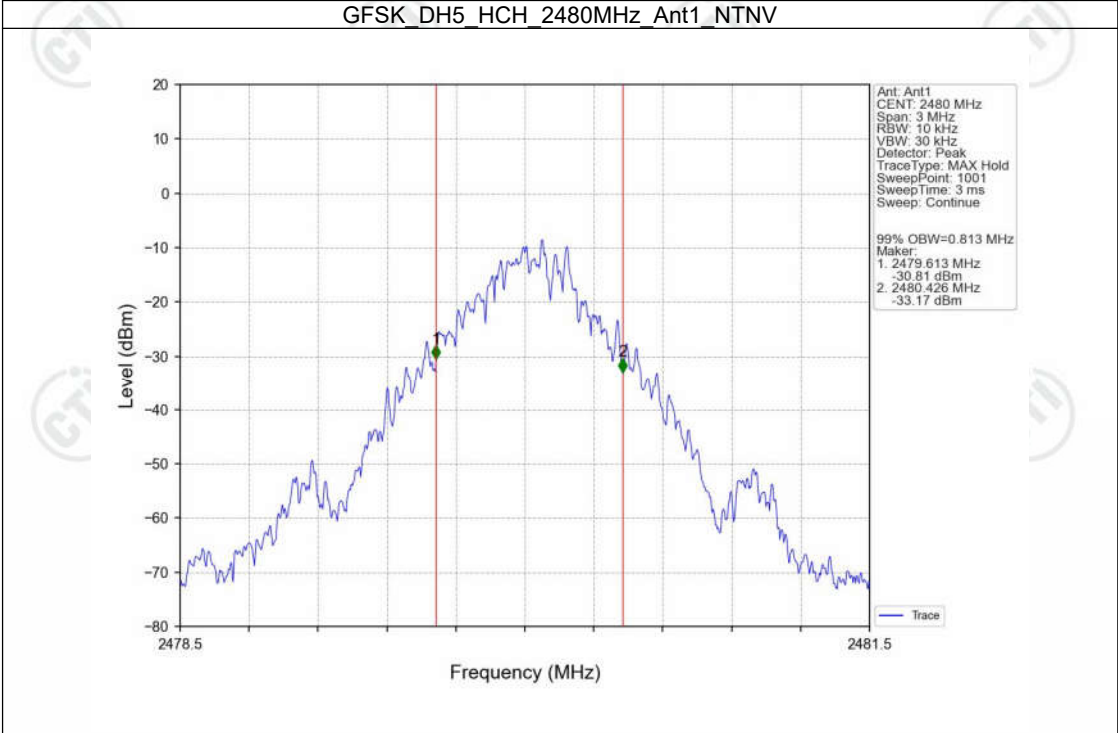
2.1.2 20dB BW

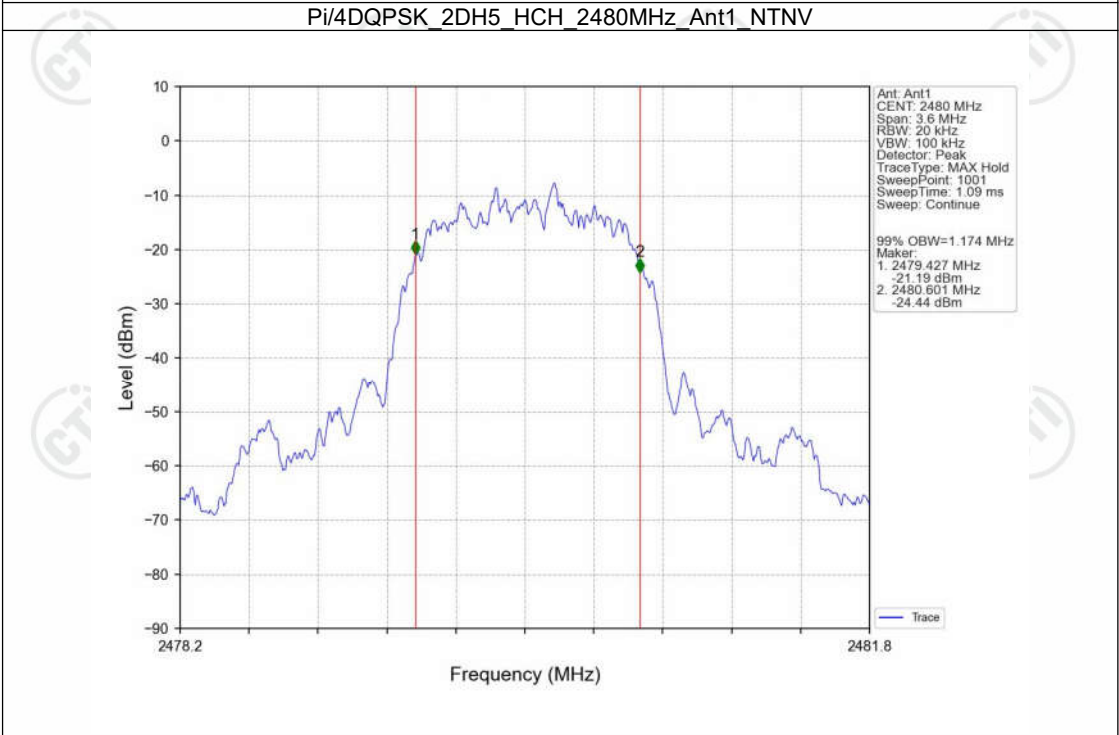
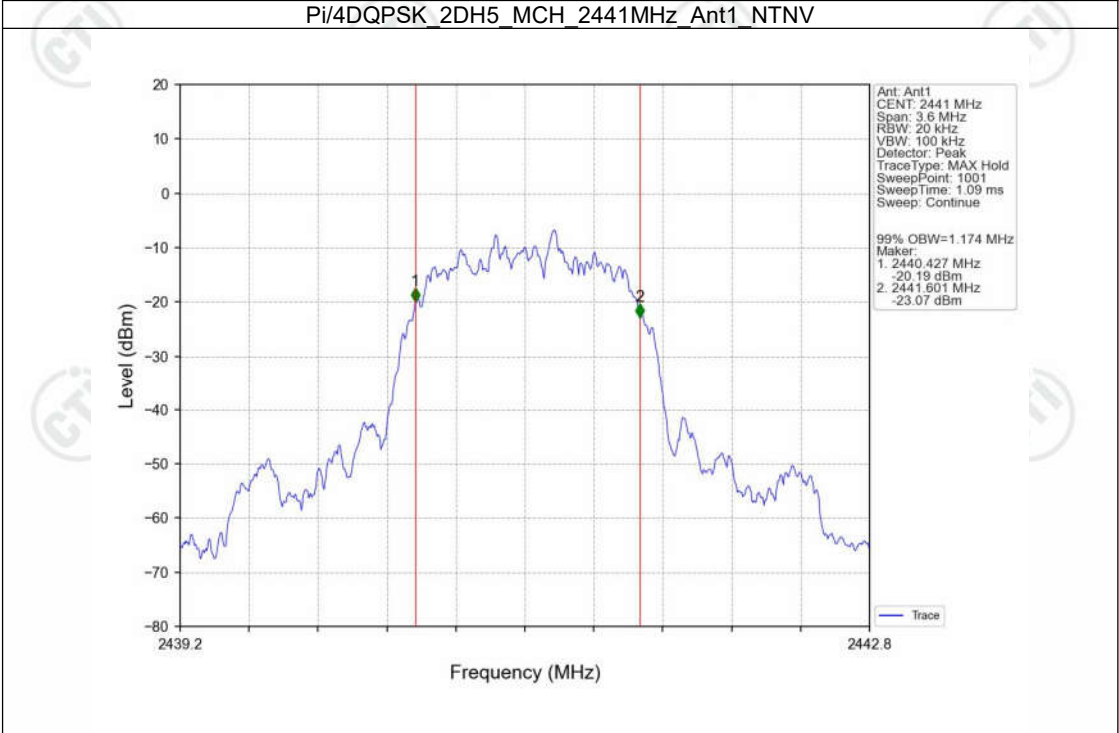
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.916	/	Pass
		2441	DH5	1	0.917	/	Pass
		2480	DH5	1	0.918	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.321	/	Pass
		2441	2DH5	1	1.321	/	Pass
		2480	2DH5	1	1.322	/	Pass
8DPSK	SISO	2402	3DH5	1	1.283	/	Pass
		2441	3DH5	1	1.284	/	Pass
		2480	3DH5	1	1.285	/	Pass

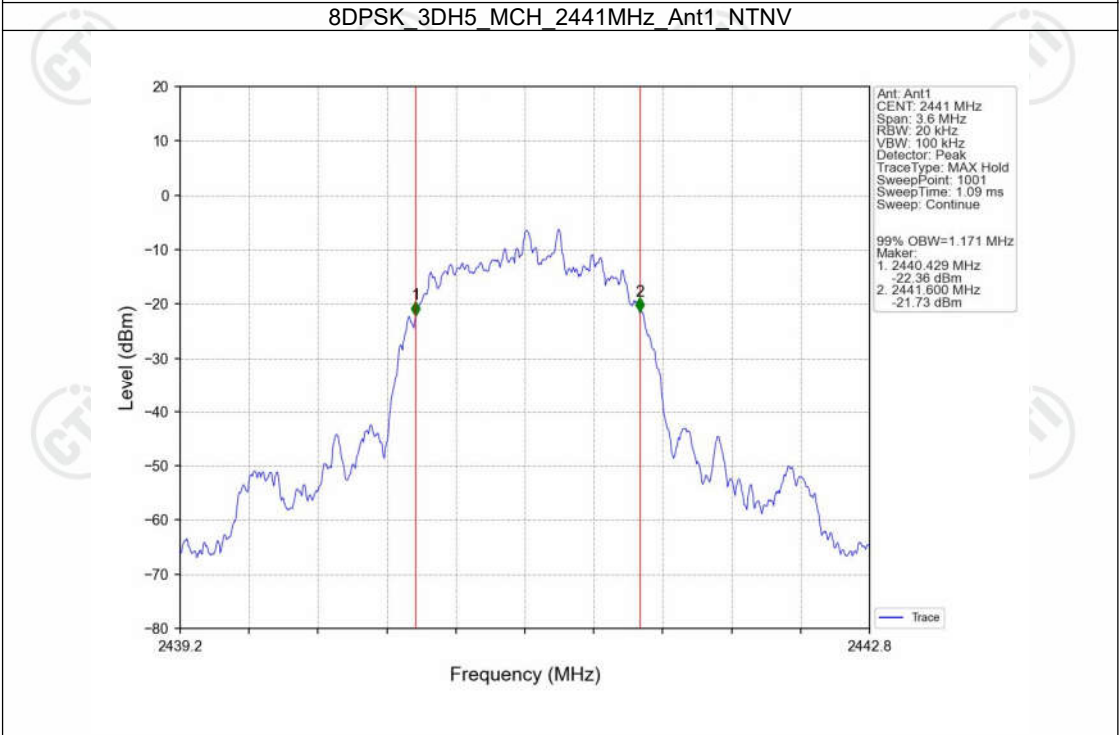
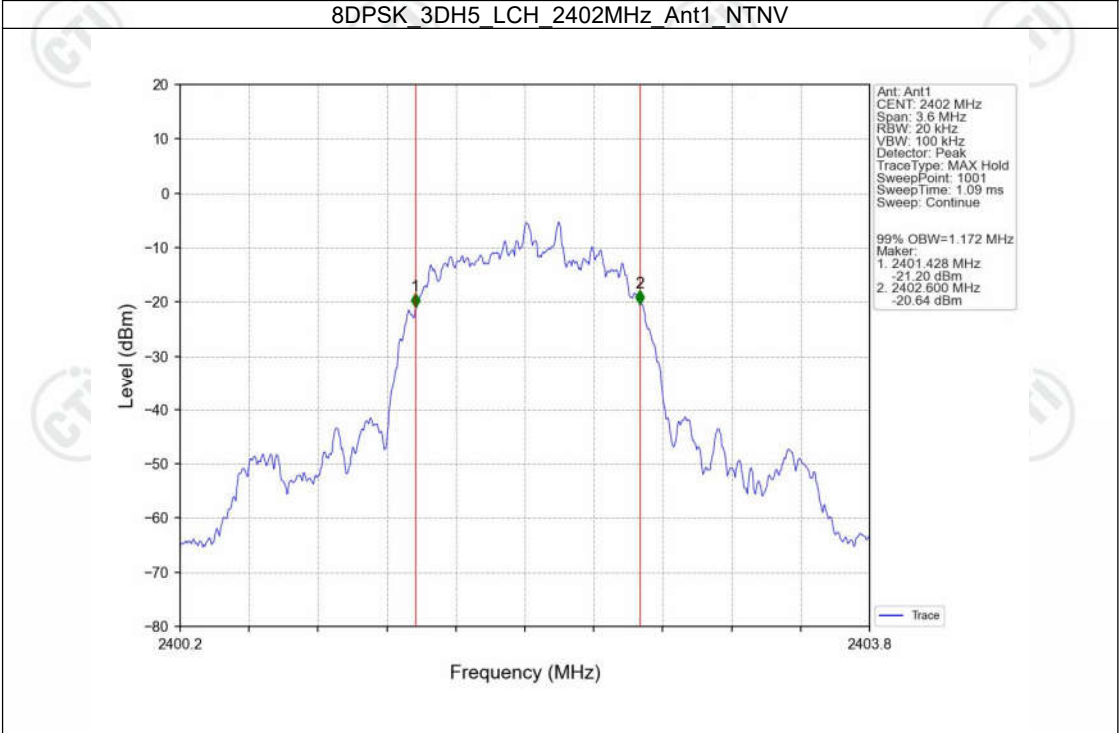
2.2 Test Graph

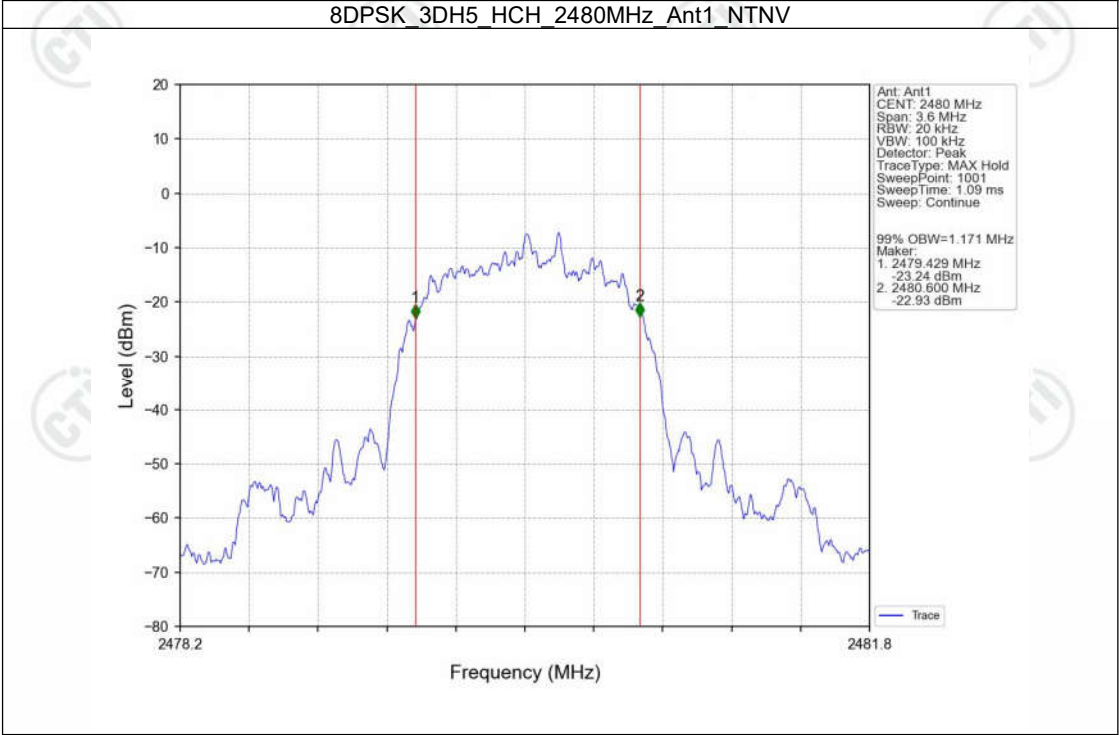
2.2.1 OBW



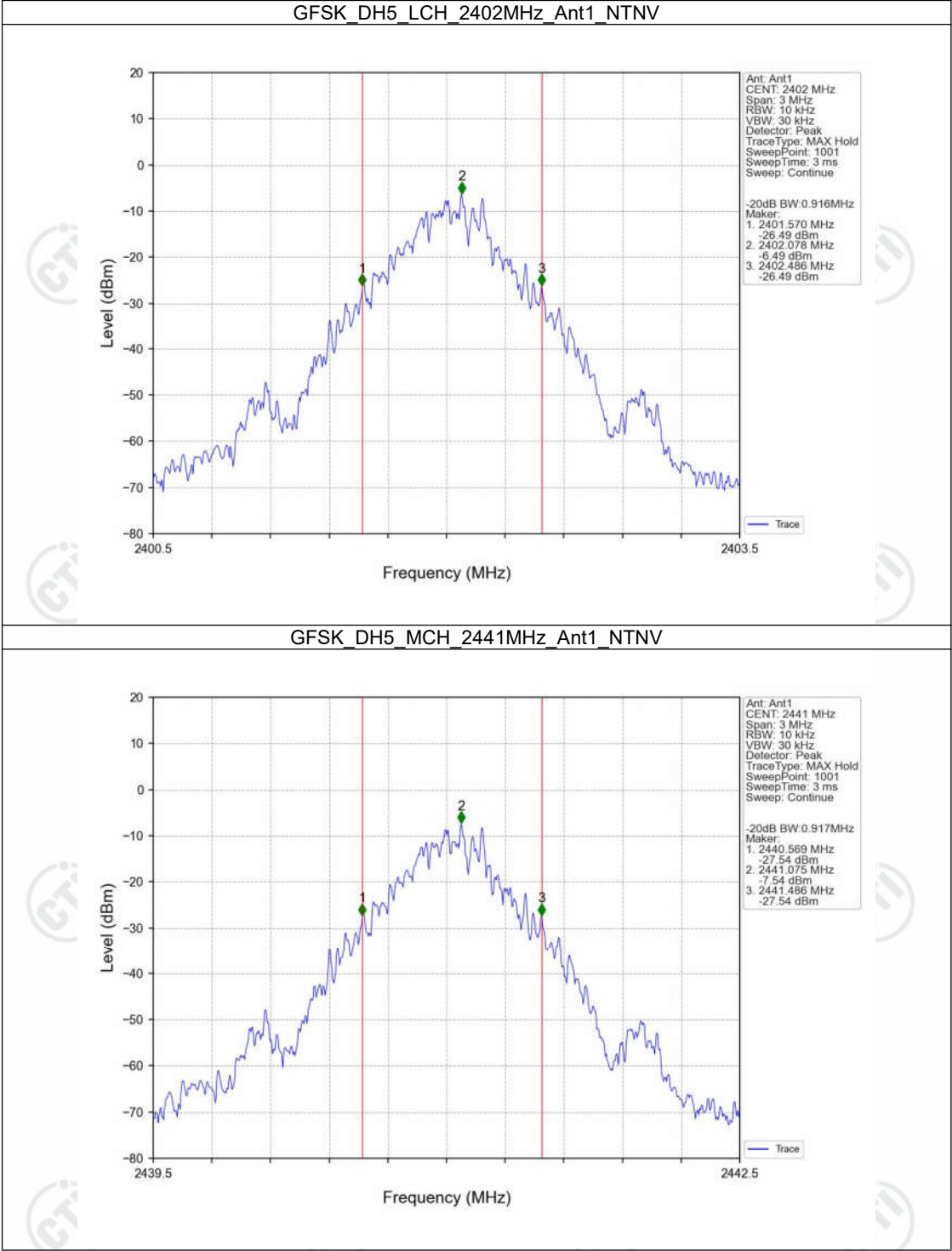


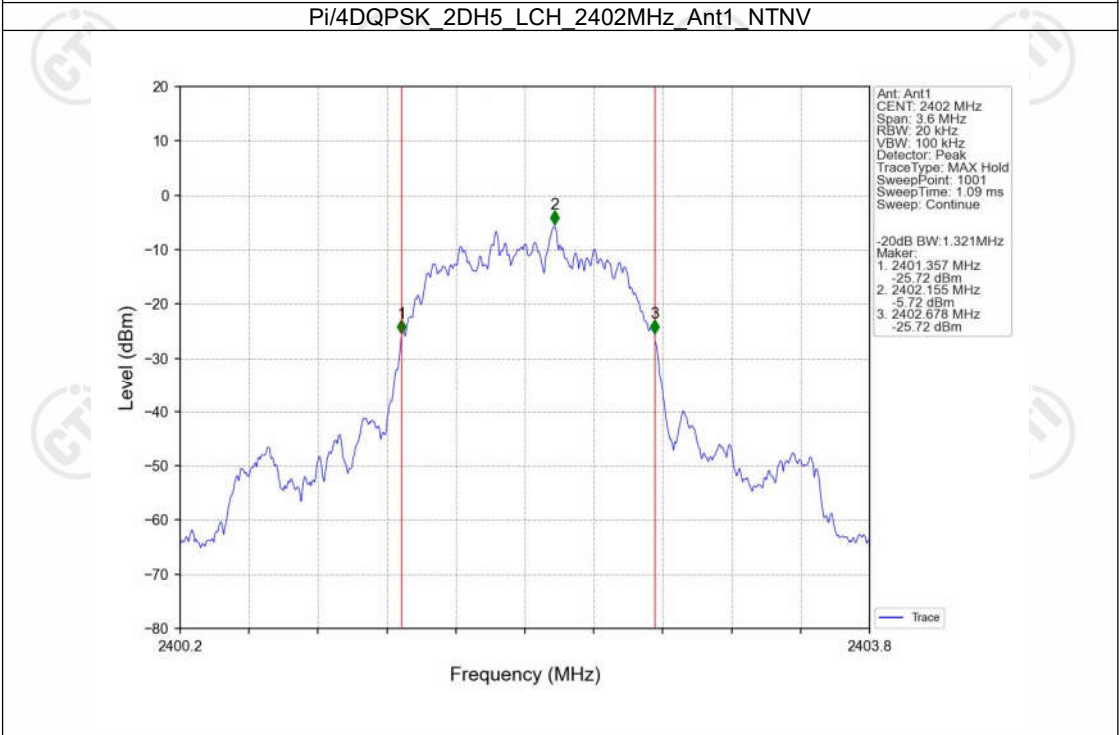
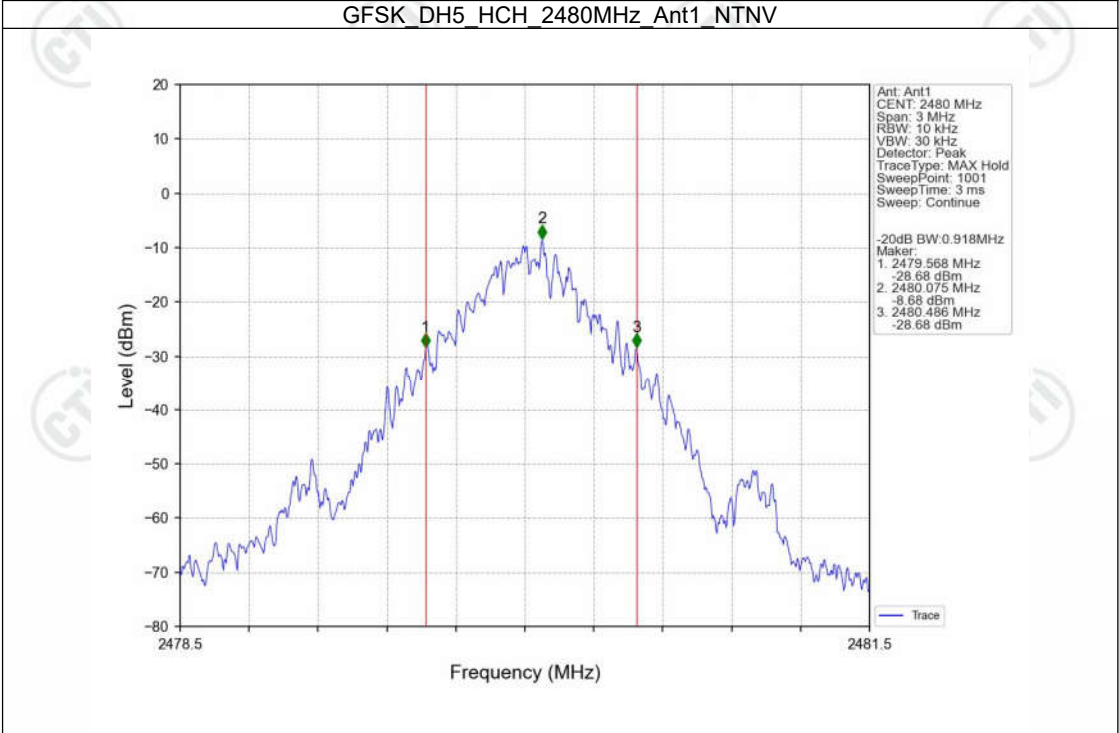


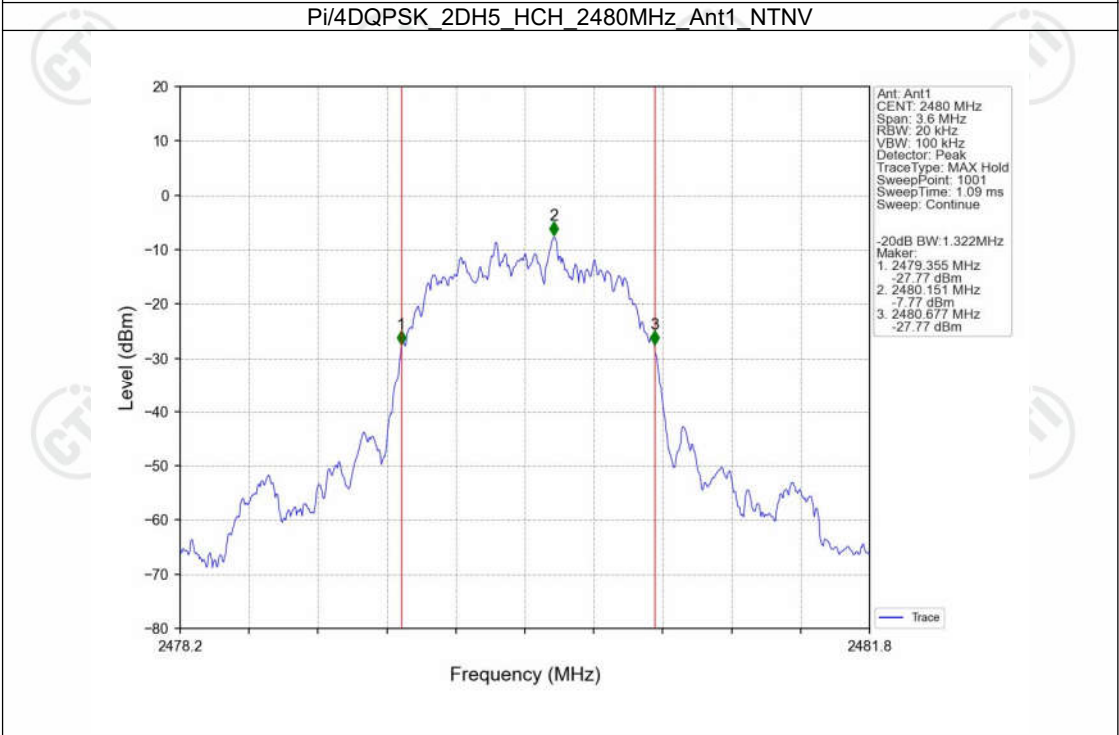
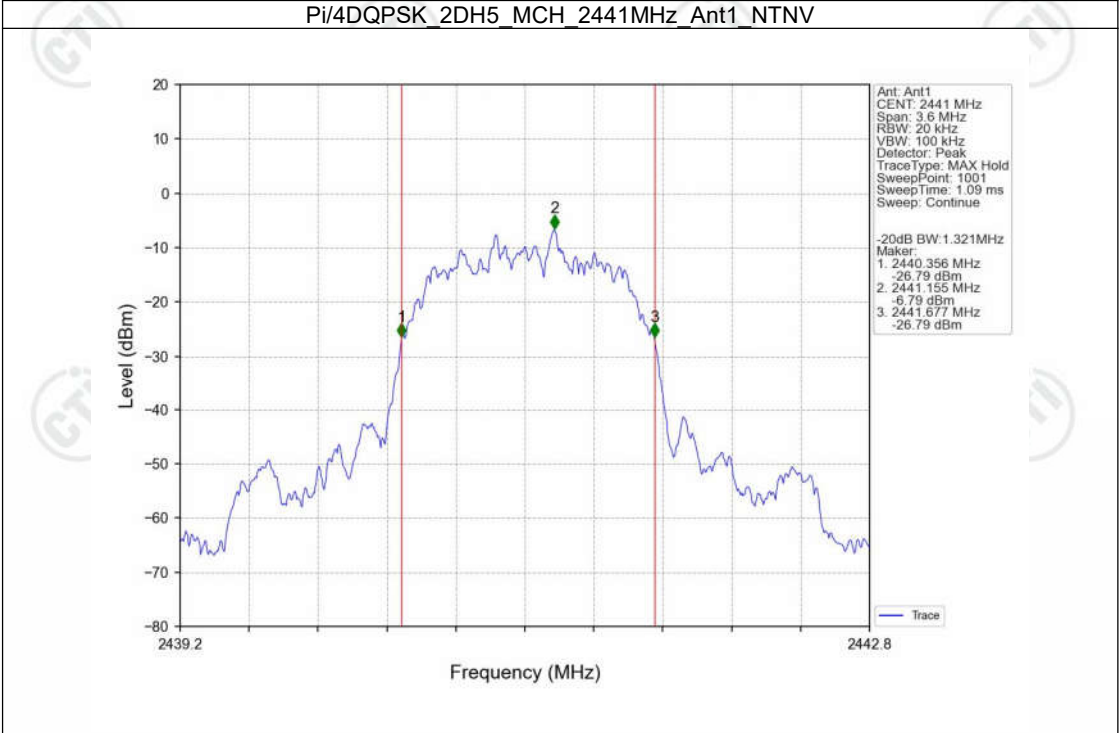


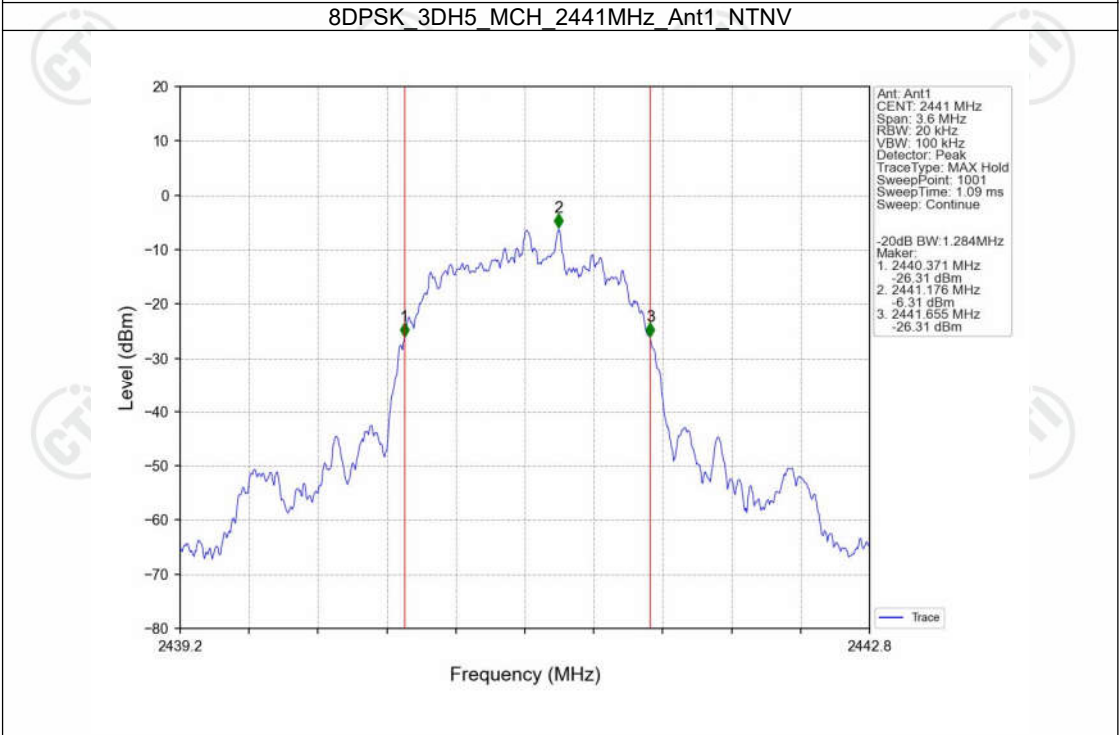
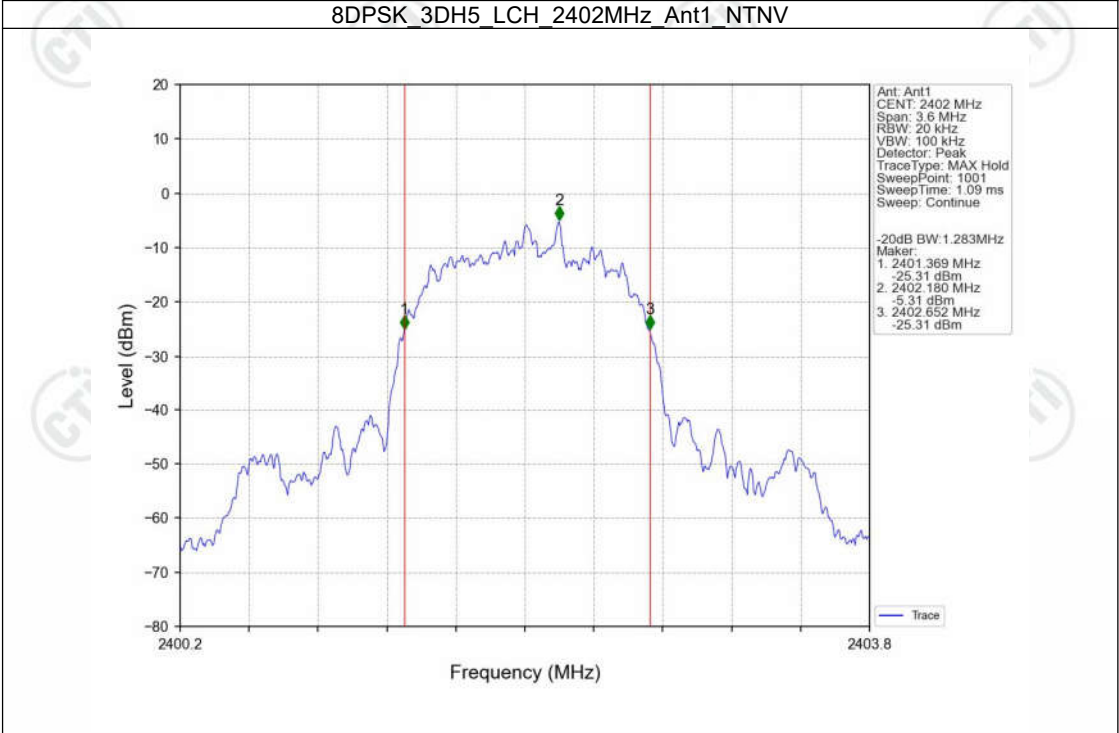


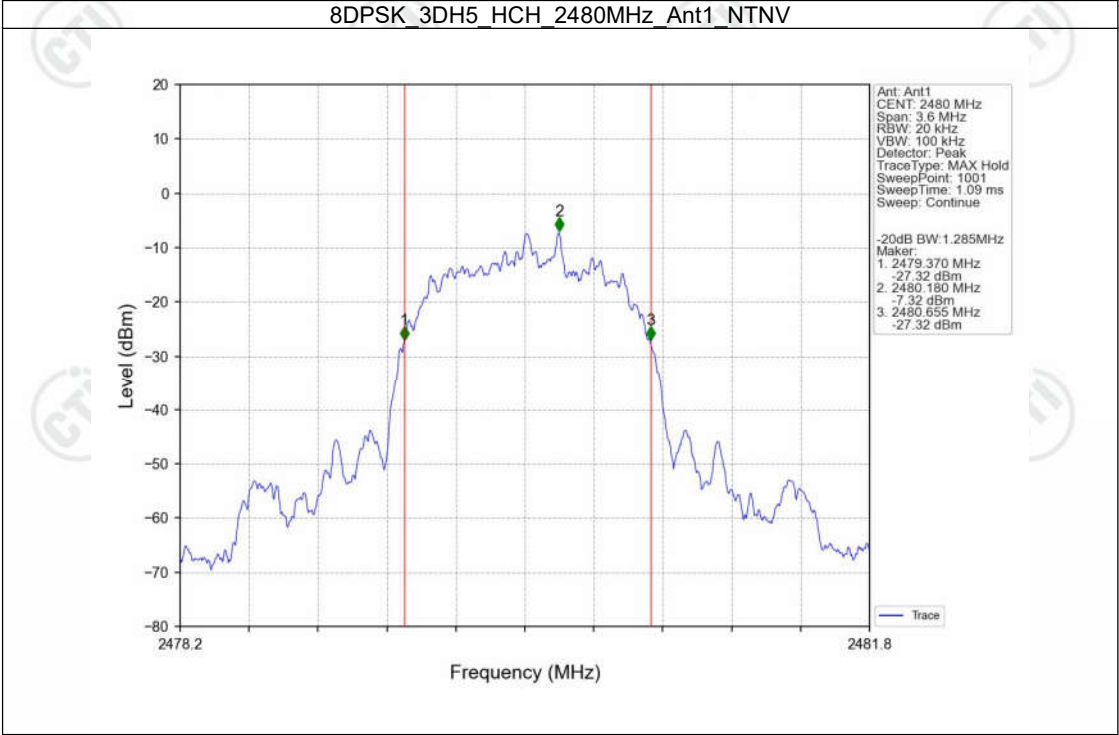
2.2.2 20dB BW











3. Maximum Conducted Output Power

3.1 Test Result

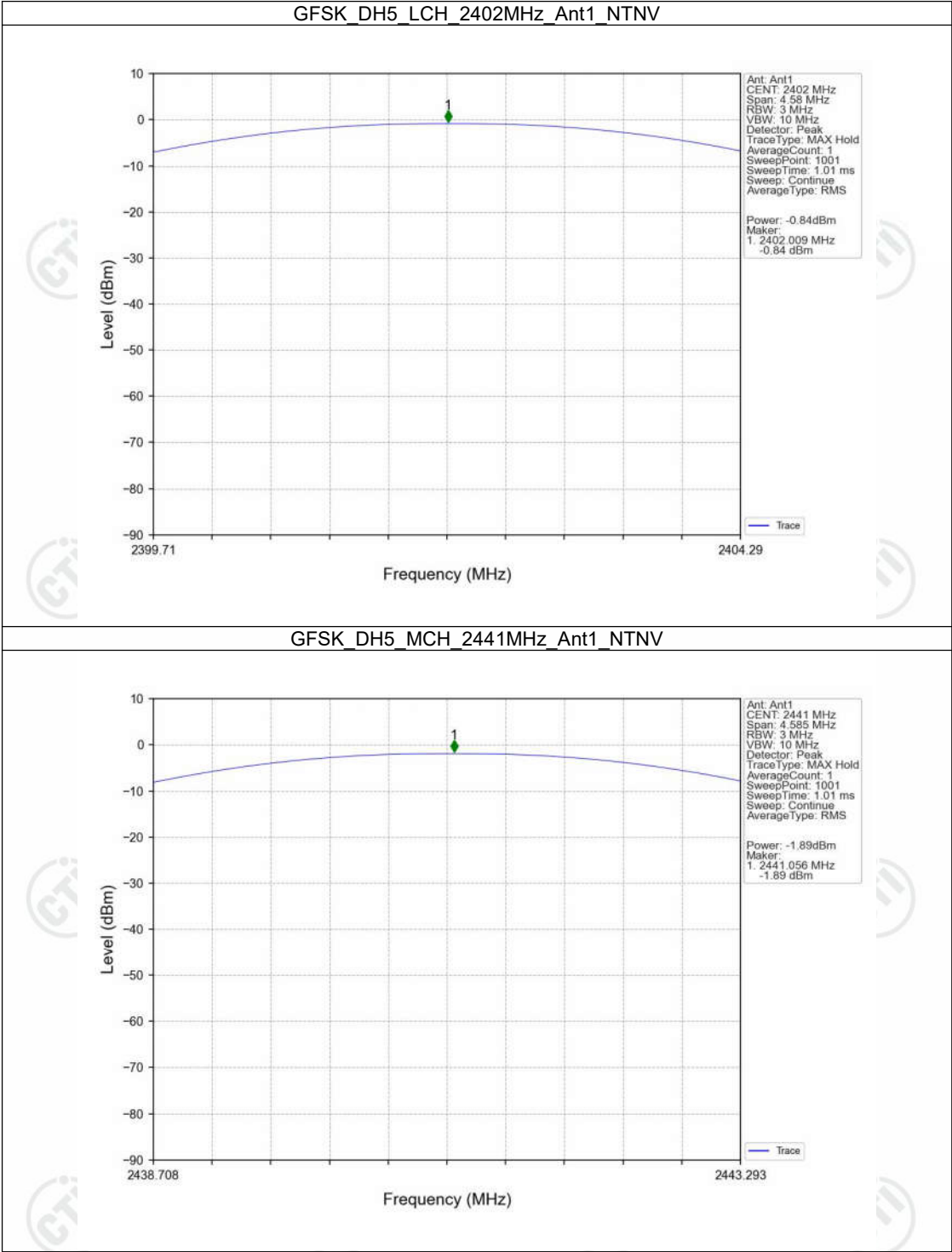
3.1.1 Power

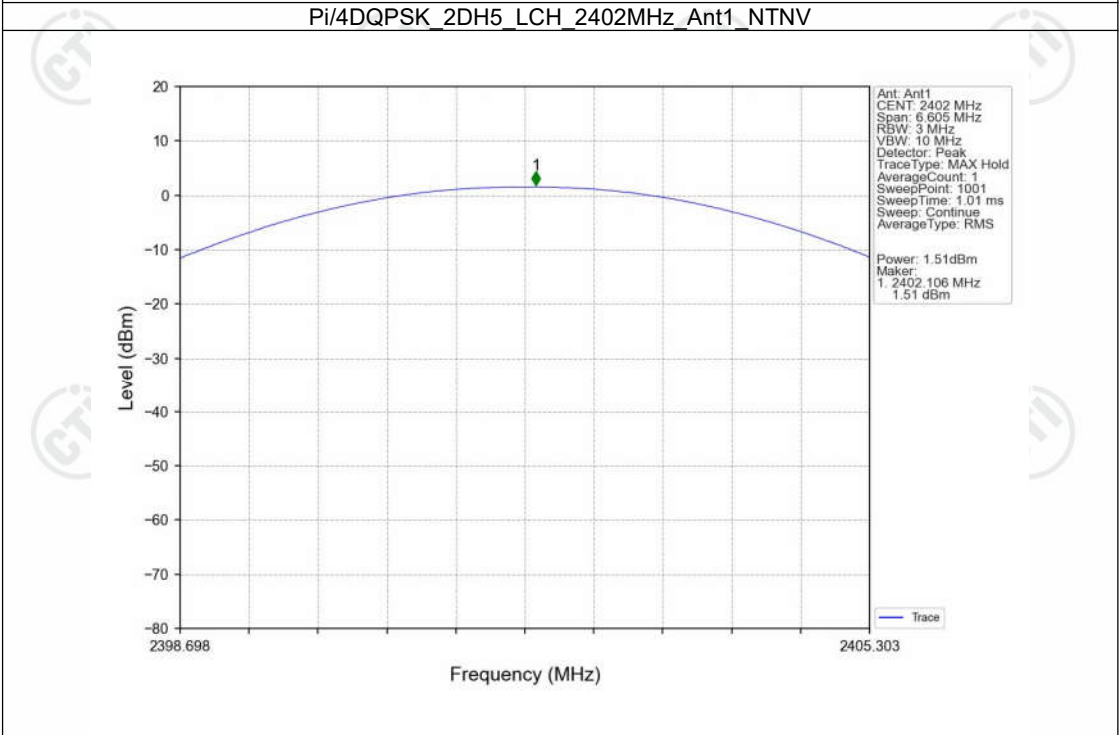
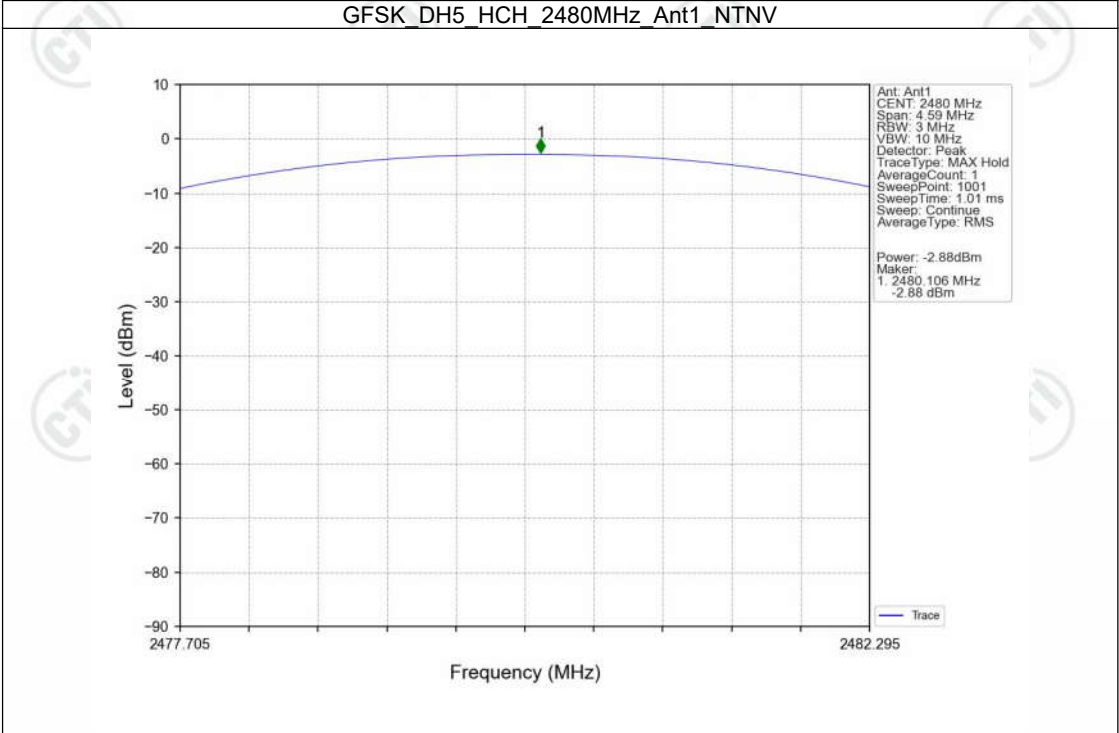
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-0.84	<=30	Pass
		2441	DH5	-1.89	<=30	Pass
		2480	DH5	-2.88	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	1.51	<=20.97	Pass
		2441	2DH5	0.47	<=20.97	Pass
		2480	2DH5	-0.58	<=20.97	Pass
8DPSK	SISO	2402	3DH5	2.02	<=20.97	Pass
		2441	3DH5	0.96	<=20.97	Pass
		2480	3DH5	-0.09	<=20.97	Pass

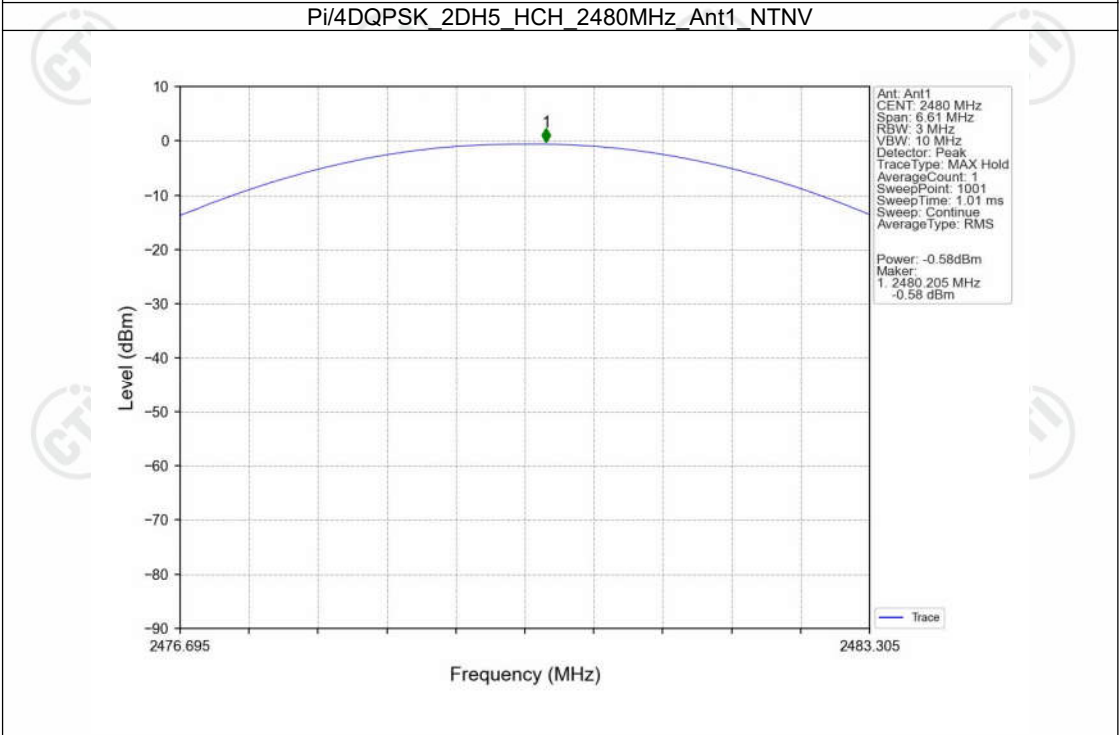
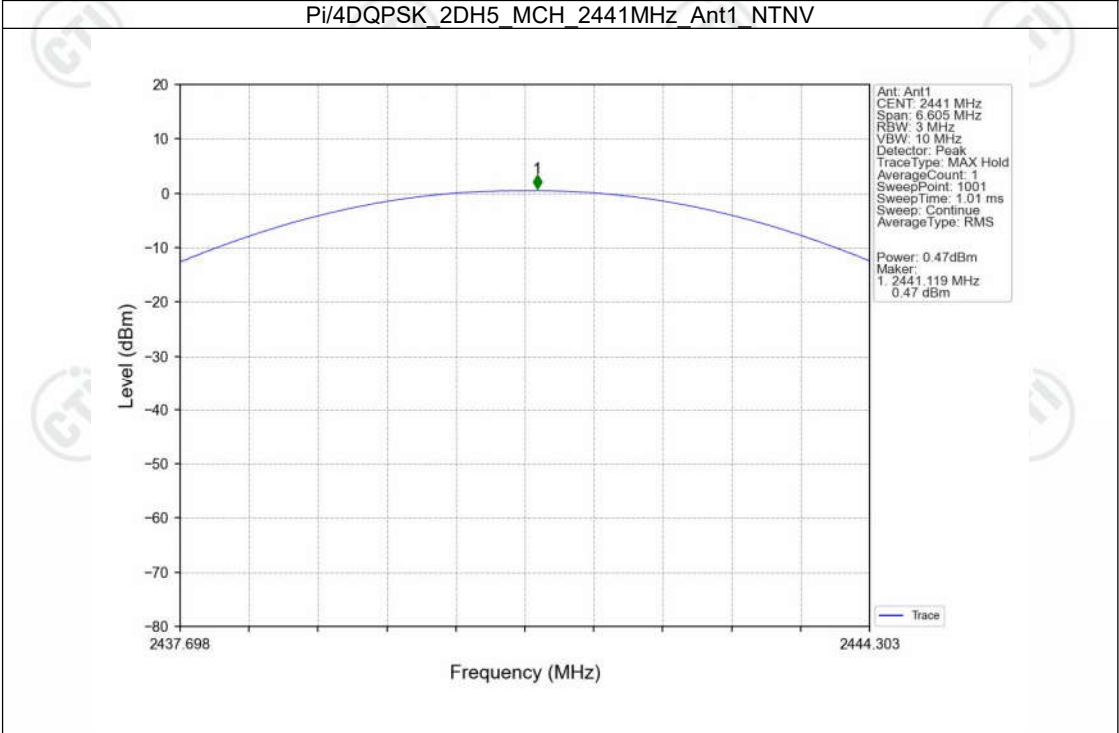
Note1: Antenna Gain: Ant1: -4.98dBi;

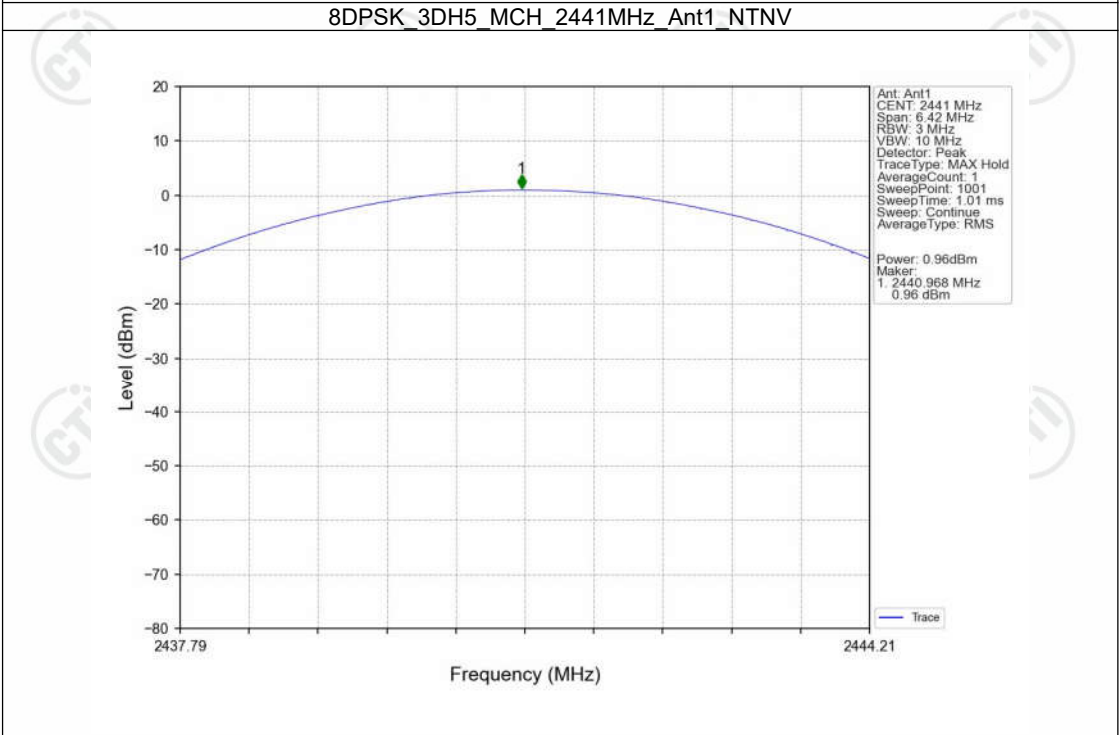
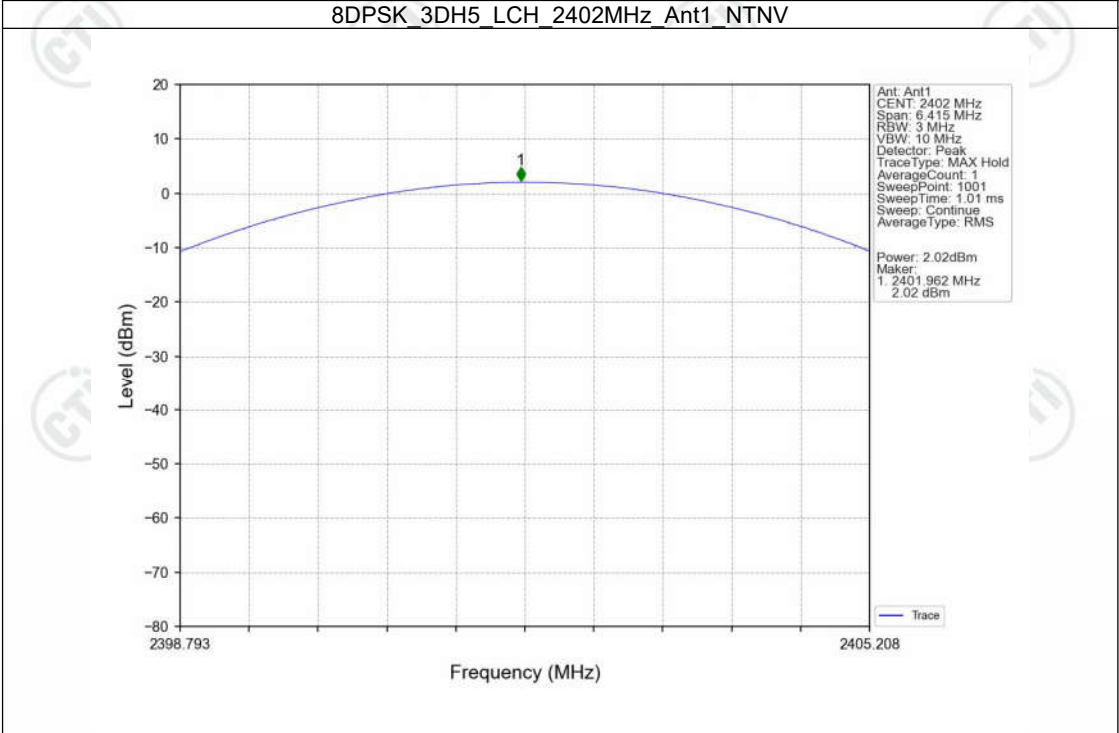
3.2 Test Graph

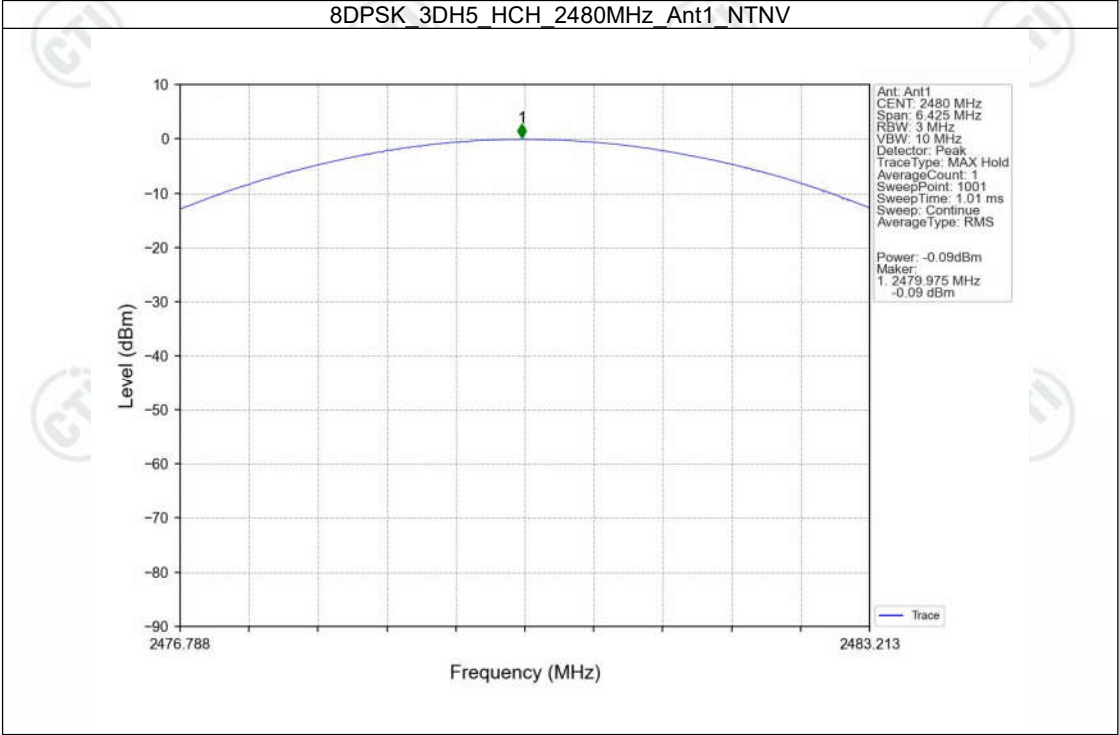
3.2.1 Power











4. Carrier Frequency Separation

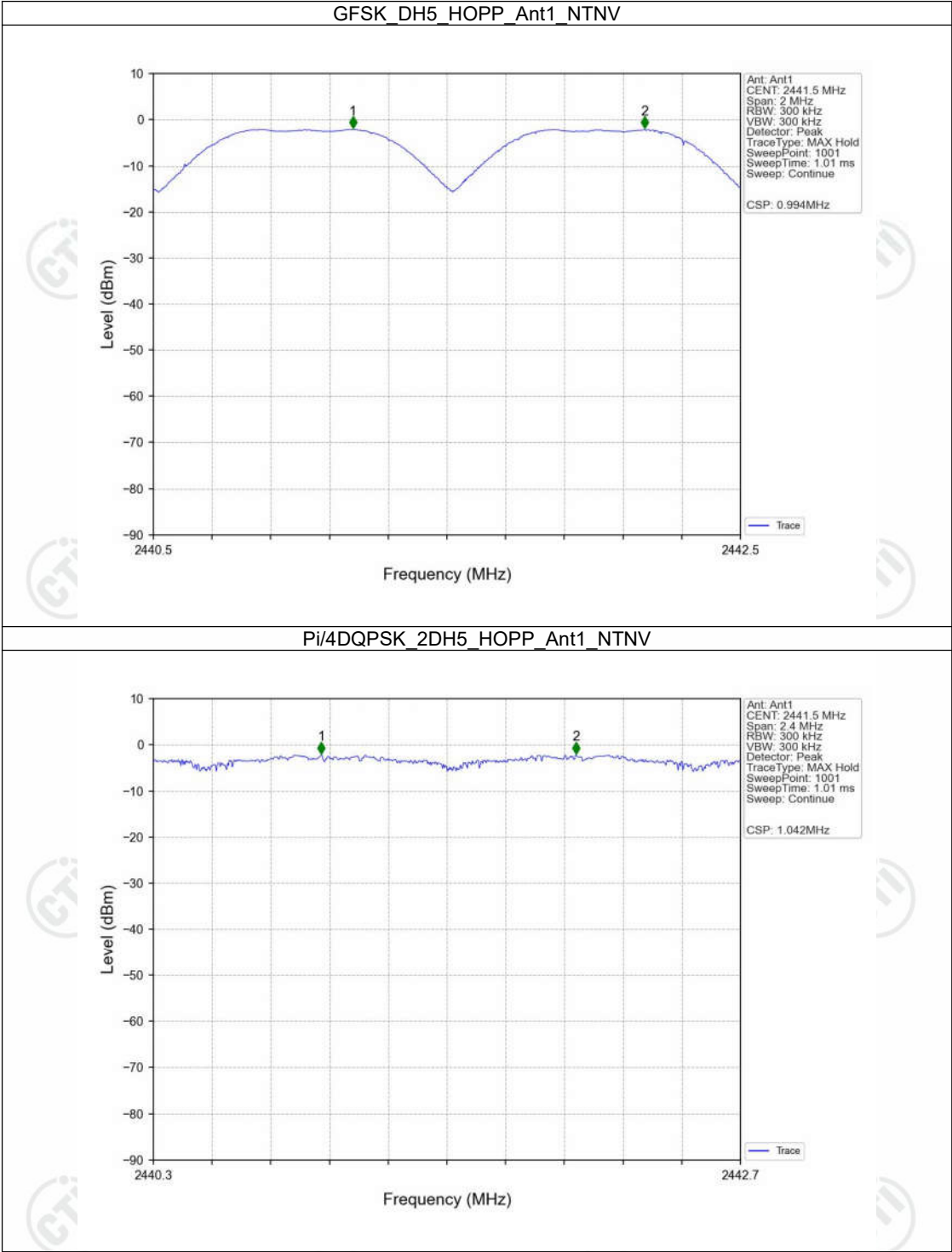
4.1 Test Result

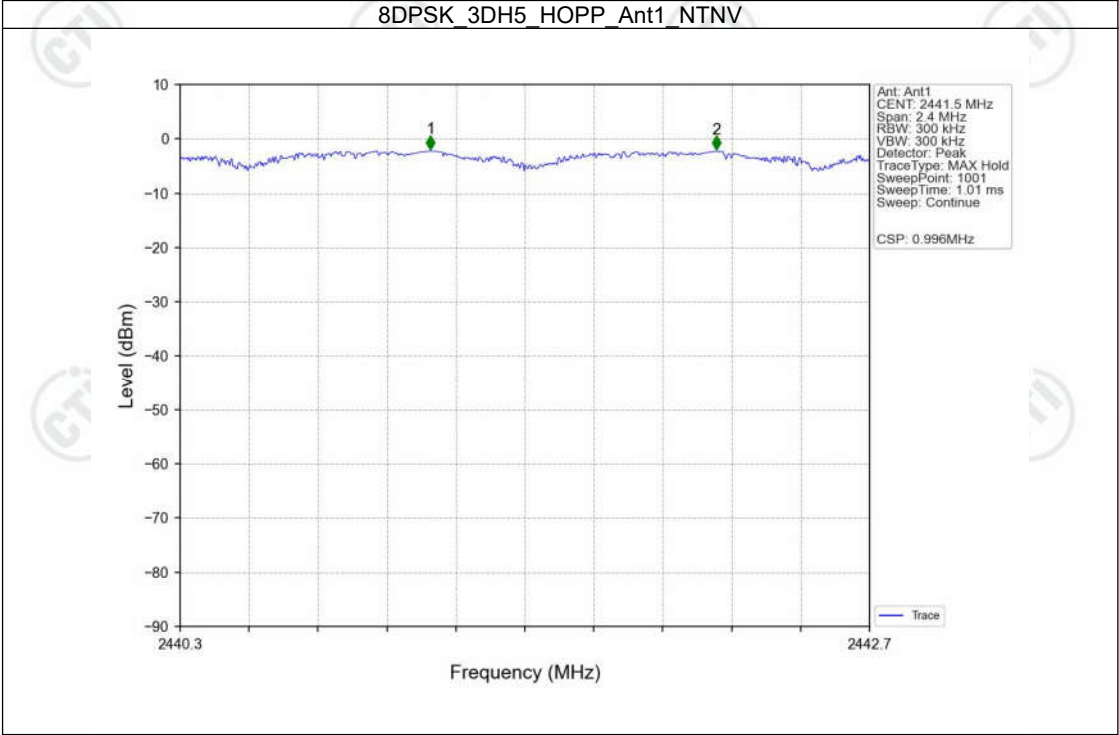
4.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.994	0.918	≥ 0.918	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.042	1.322	≥ 0.881	Pass
8DPSK	SISO	HOPP	3DH5	0.996	1.285	≥ 0.857	Pass

4.2 Test Graph

4.2.1 Ant1





5. Number of Hopping Frequencies

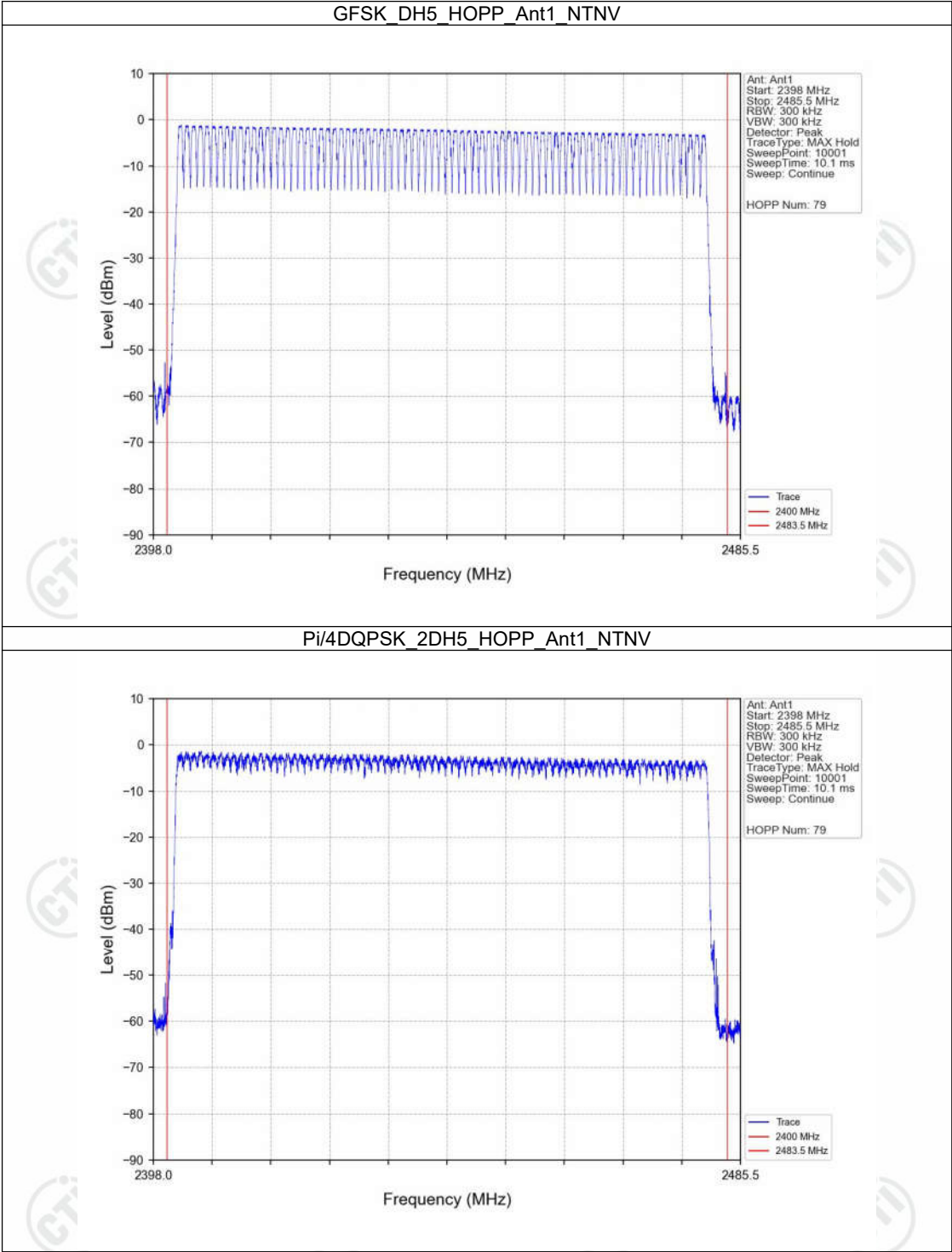
5.1 Test Result

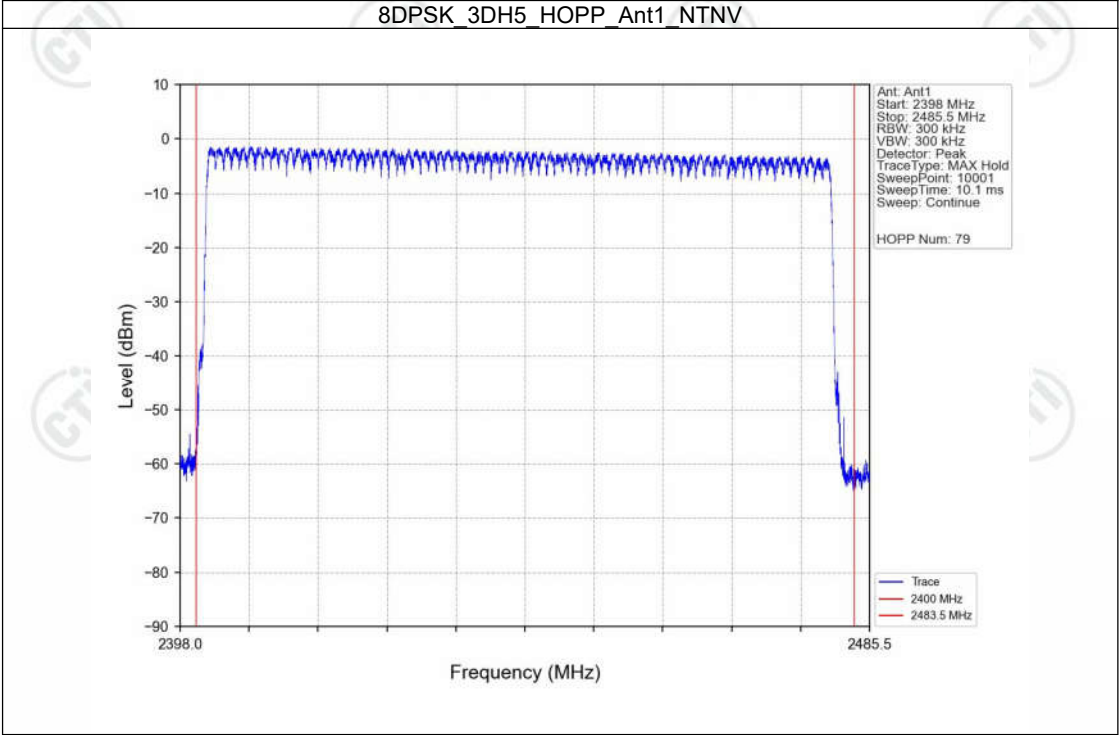
5.1.1 HoppNum

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	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)

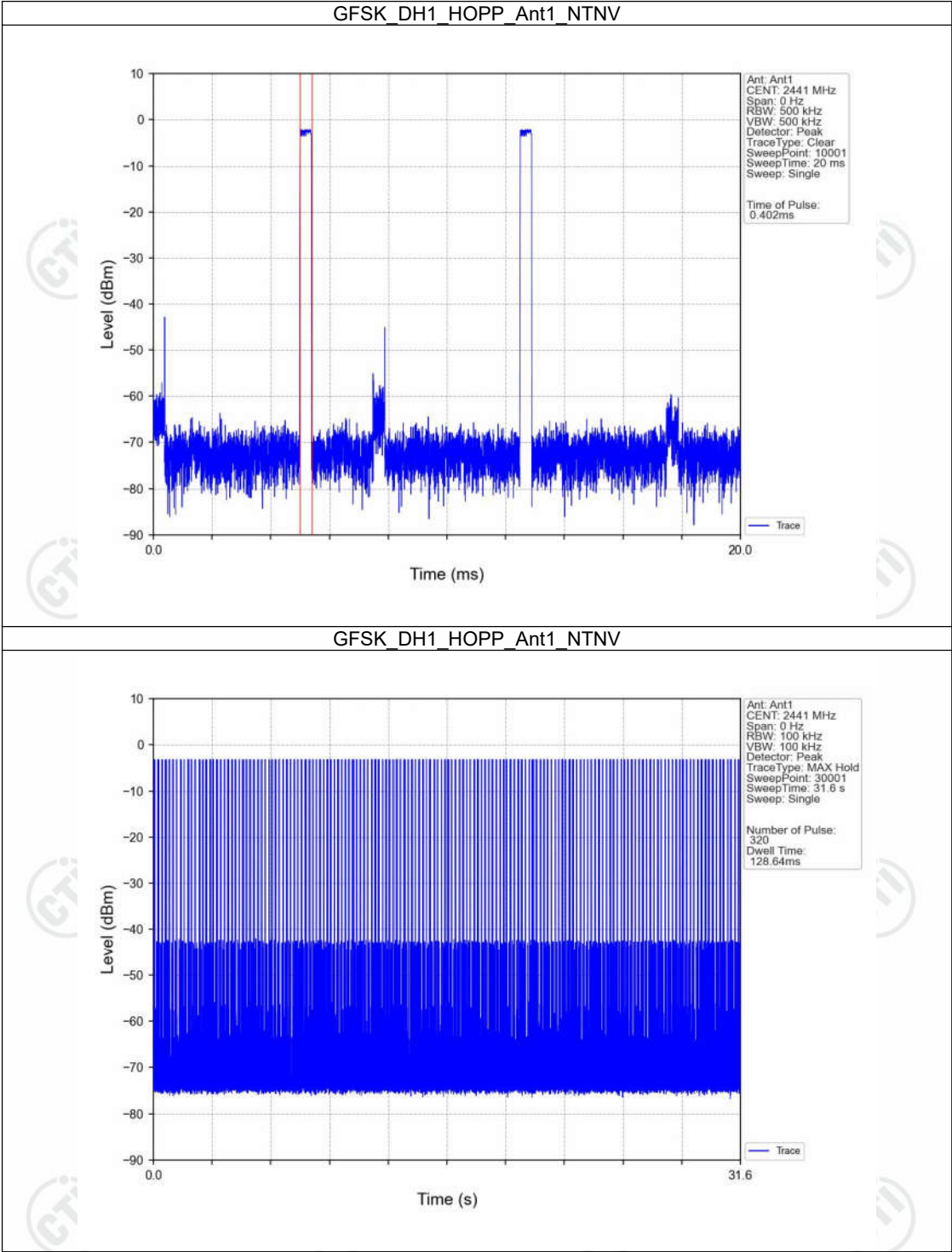
6.1 Test Result

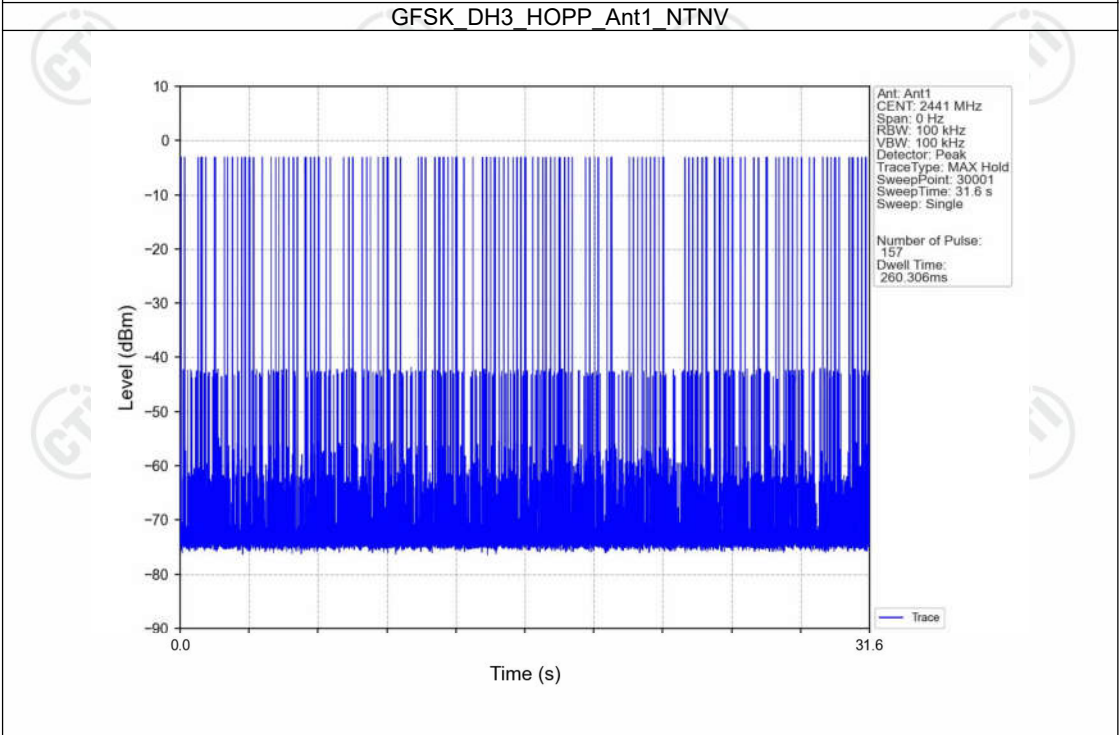
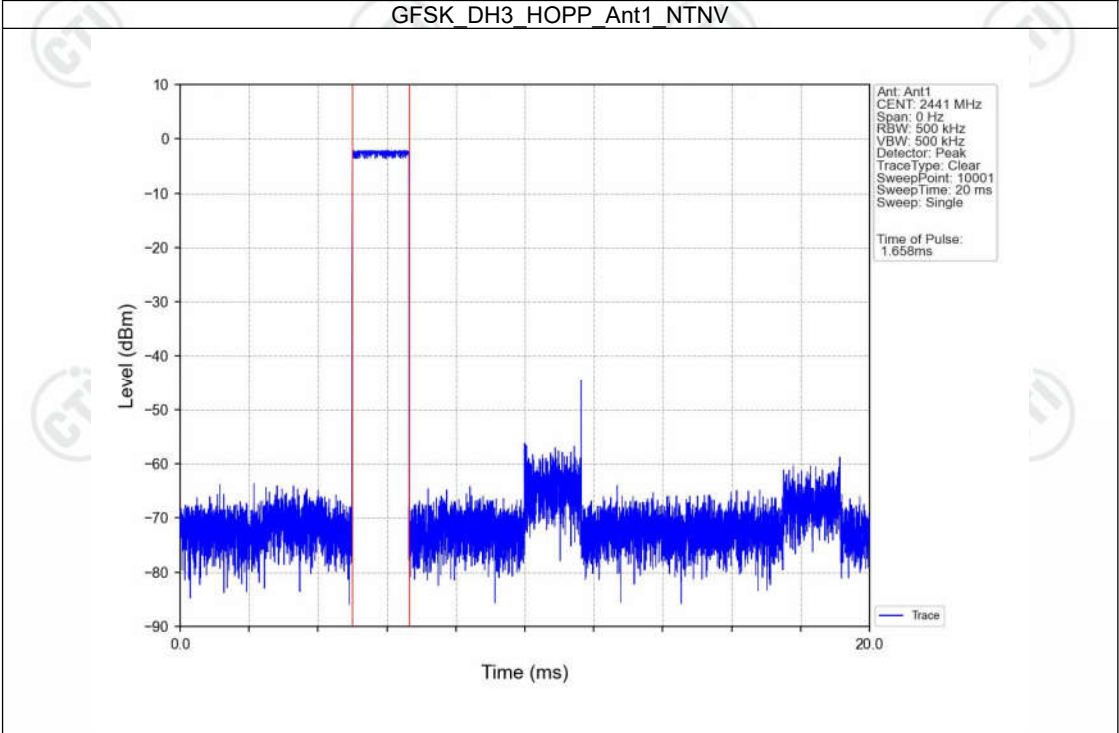
6.1.1 Ant1

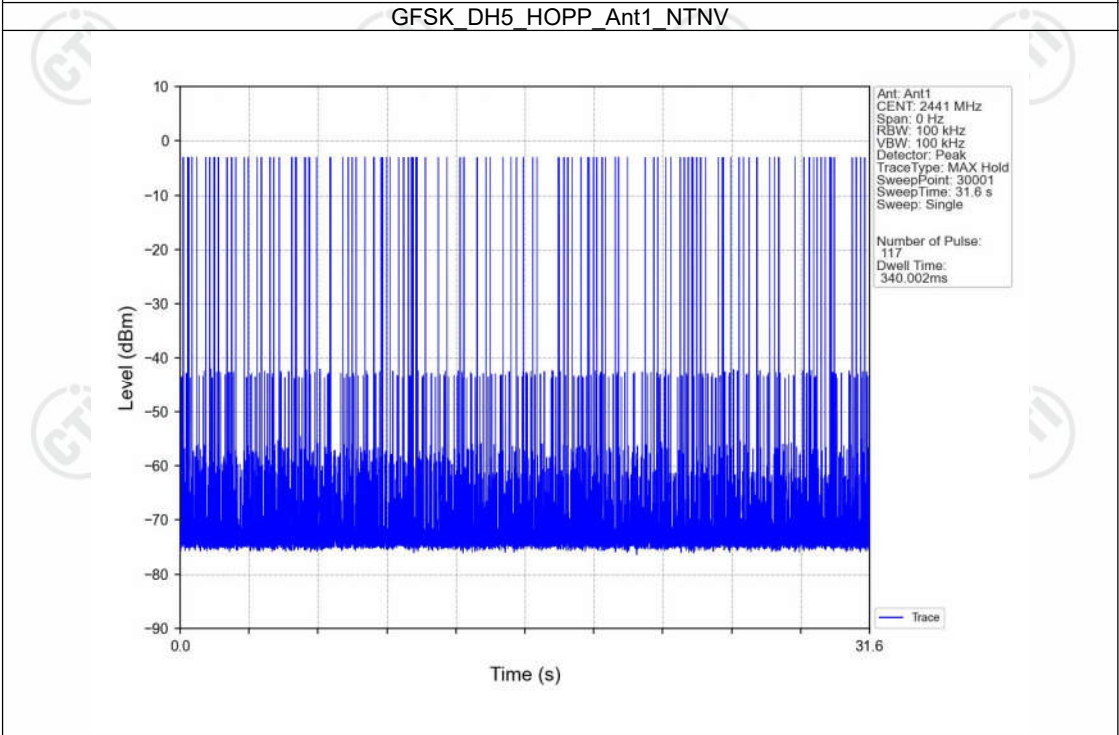
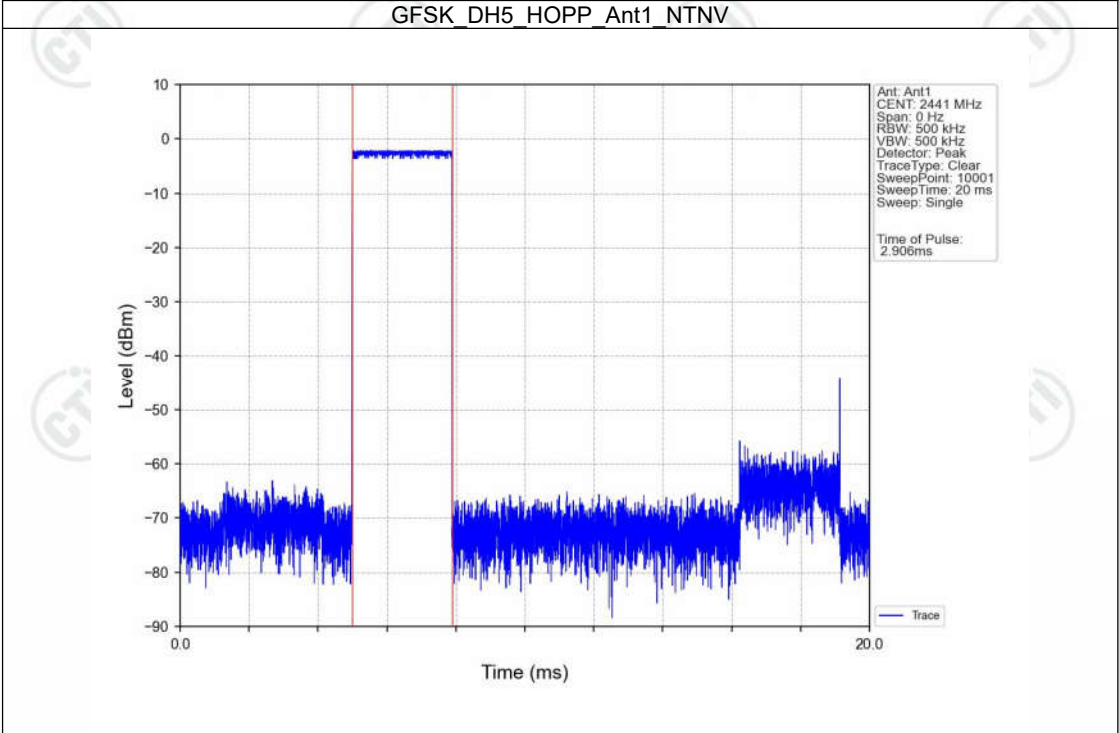
Ant1									
Mode	TX Type	Frequen-cy (MHz)	Packet Type	Duratio-n of Single Pulse (ms)	Observ-ation Period (s)	Num of Pulse in Obser-vation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.402	31.600	320	128.640	<=400	Pass
			DH3	1.658	31.600	157	260.306	<=400	Pass
			DH5	2.906	31.600	117	340.002	<=400	Pass
Pi/4DQ PSK	SISO	HOPP	2DH1	0.410	31.600	320	131.200	<=400	Pass
			2DH3	1.662	31.600	155	257.610	<=400	Pass
			2DH5	2.914	31.600	112	326.368	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.412	31.600	320	131.840	<=400	Pass
			3DH3	1.666	31.600	161	268.226	<=400	Pass
			3DH5	2.914	31.600	127	370.078	<=400	Pass

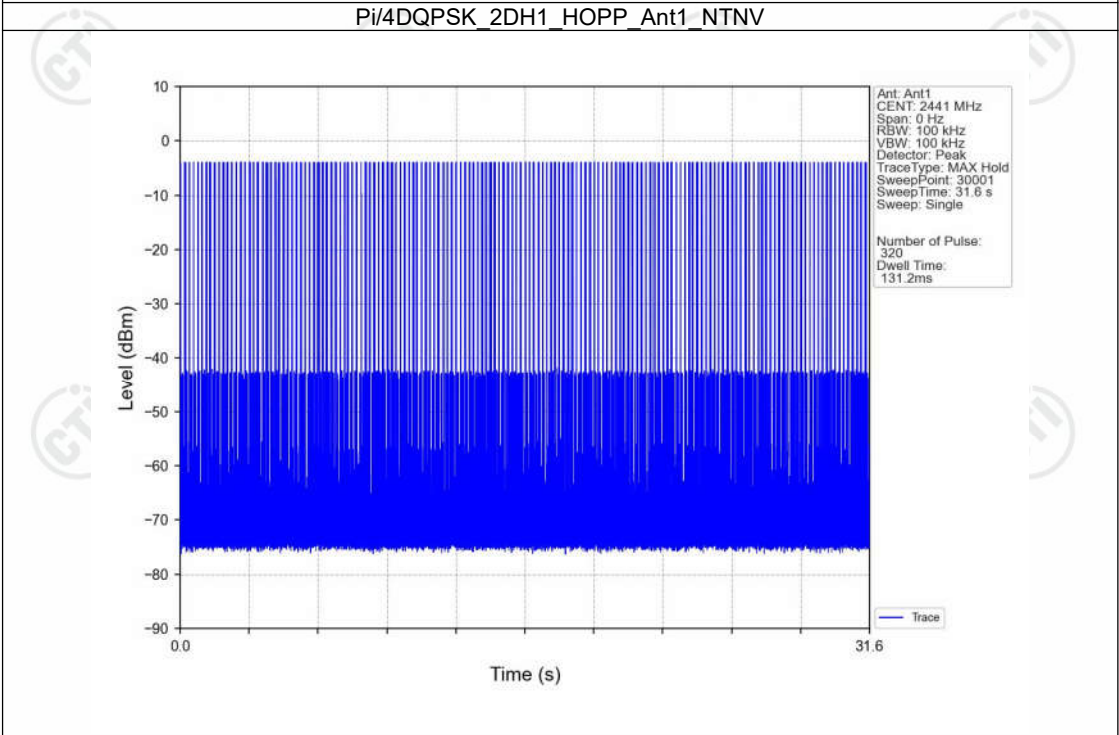
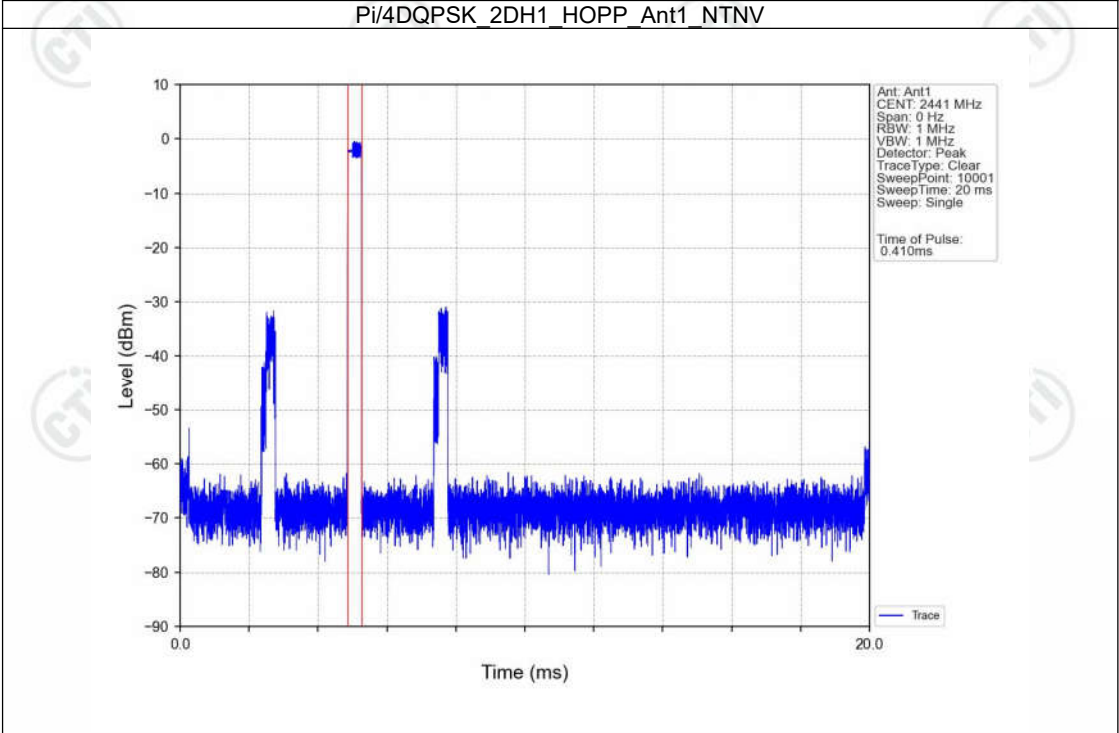
6.2 Test Graph

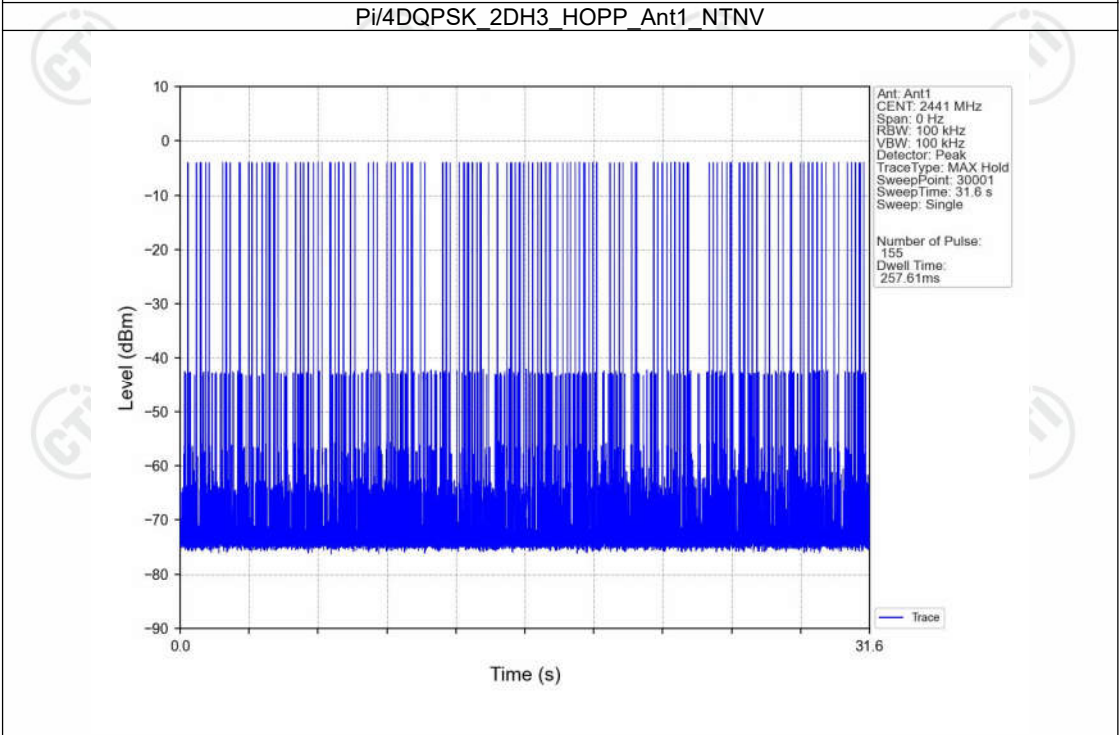
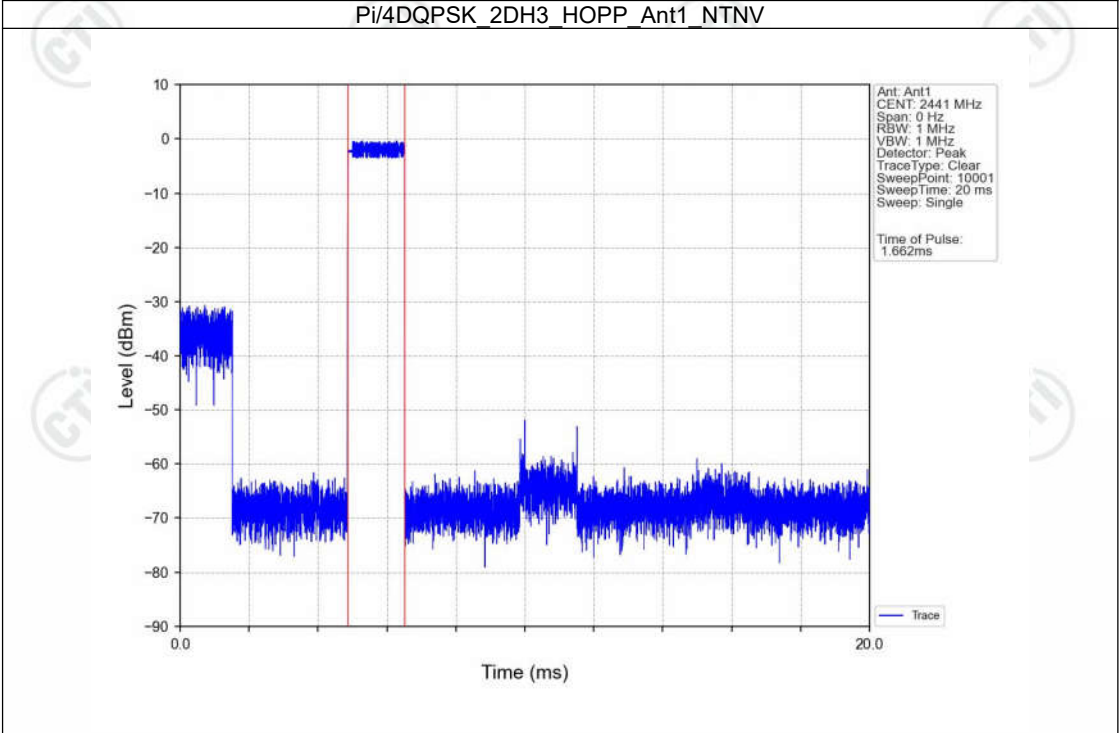
6.2.1 Ant1

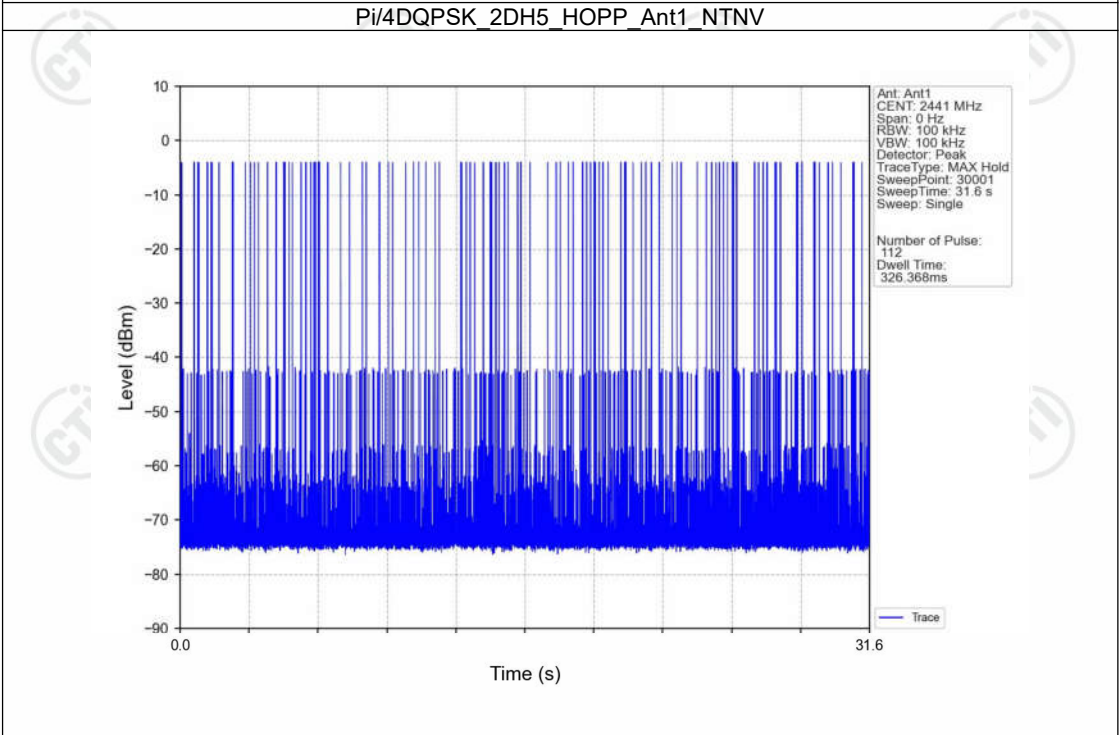
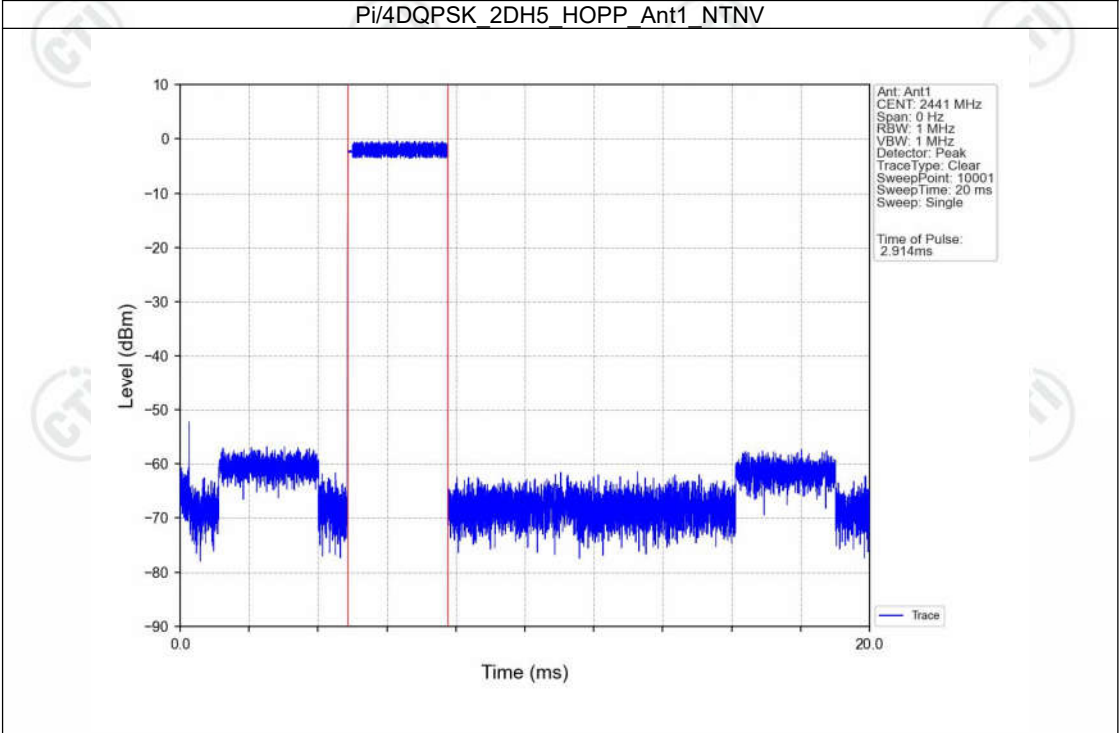


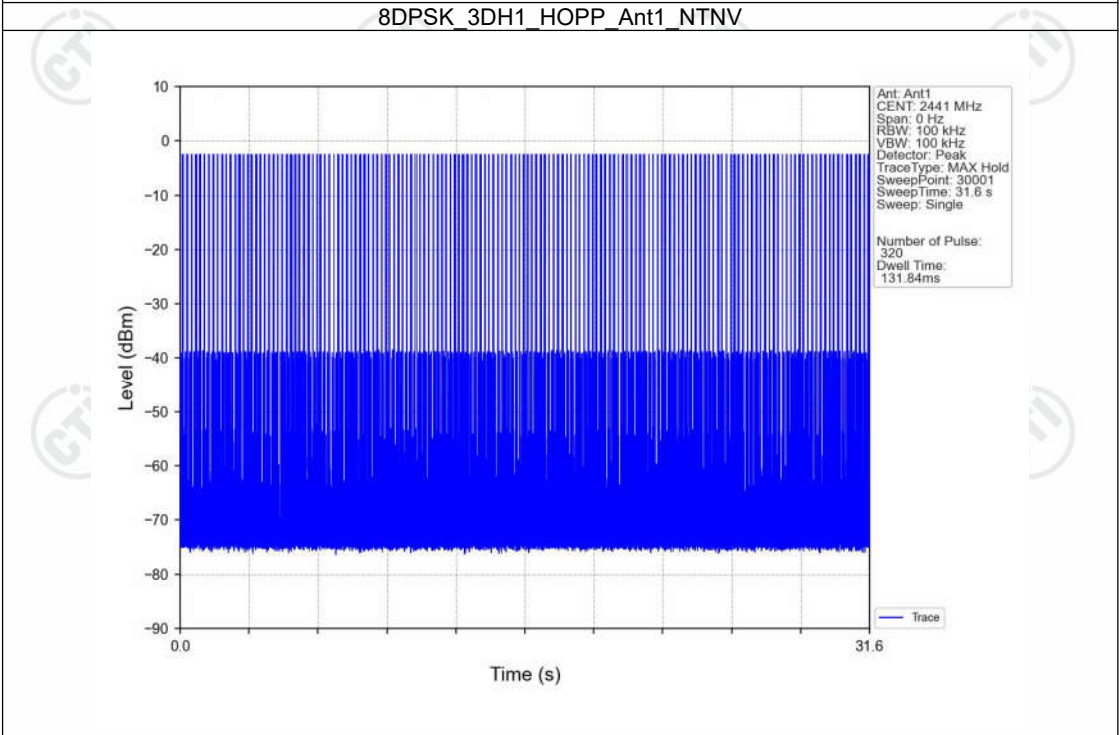
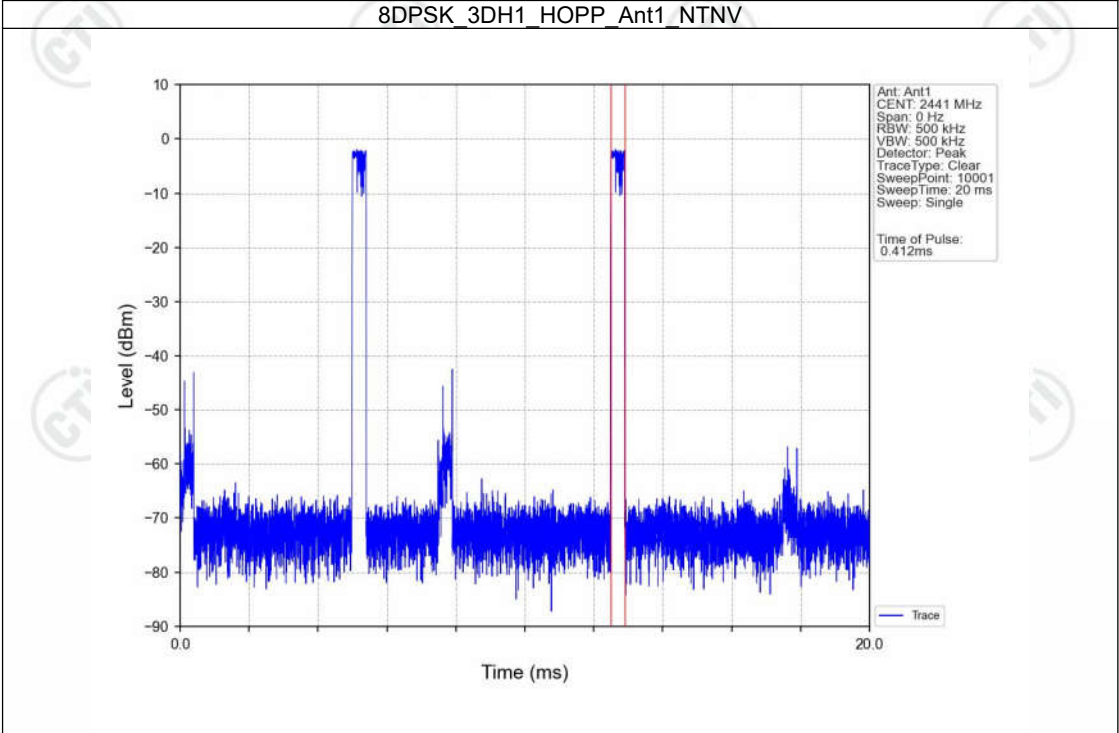


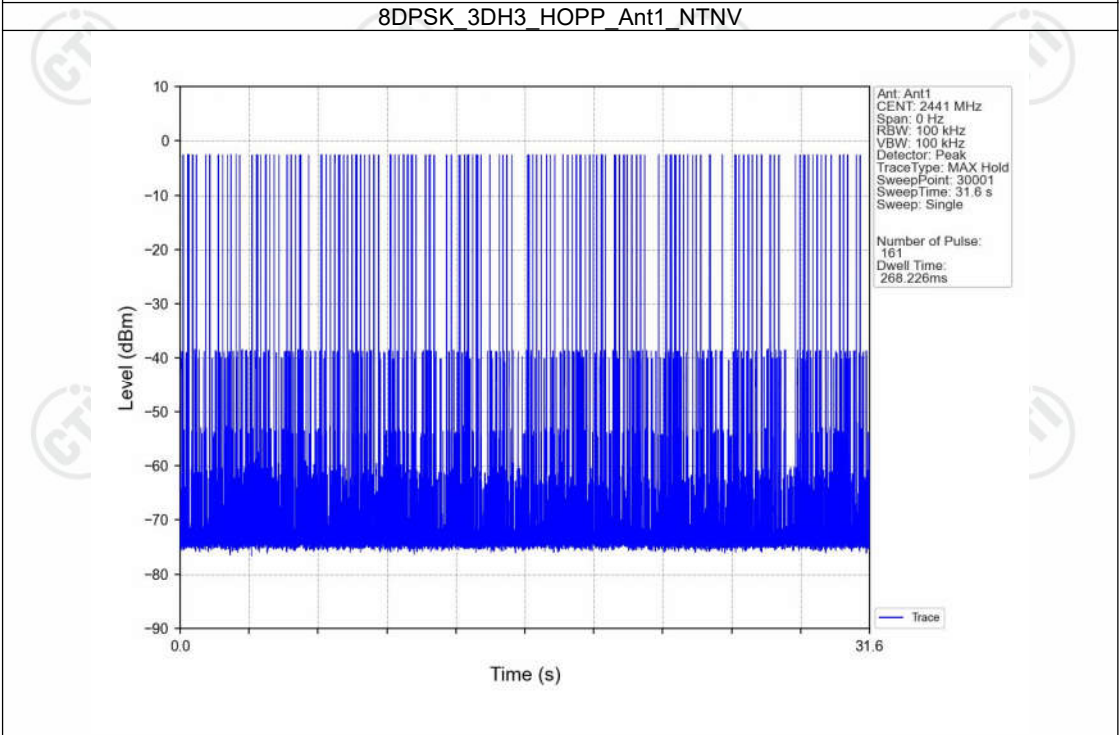
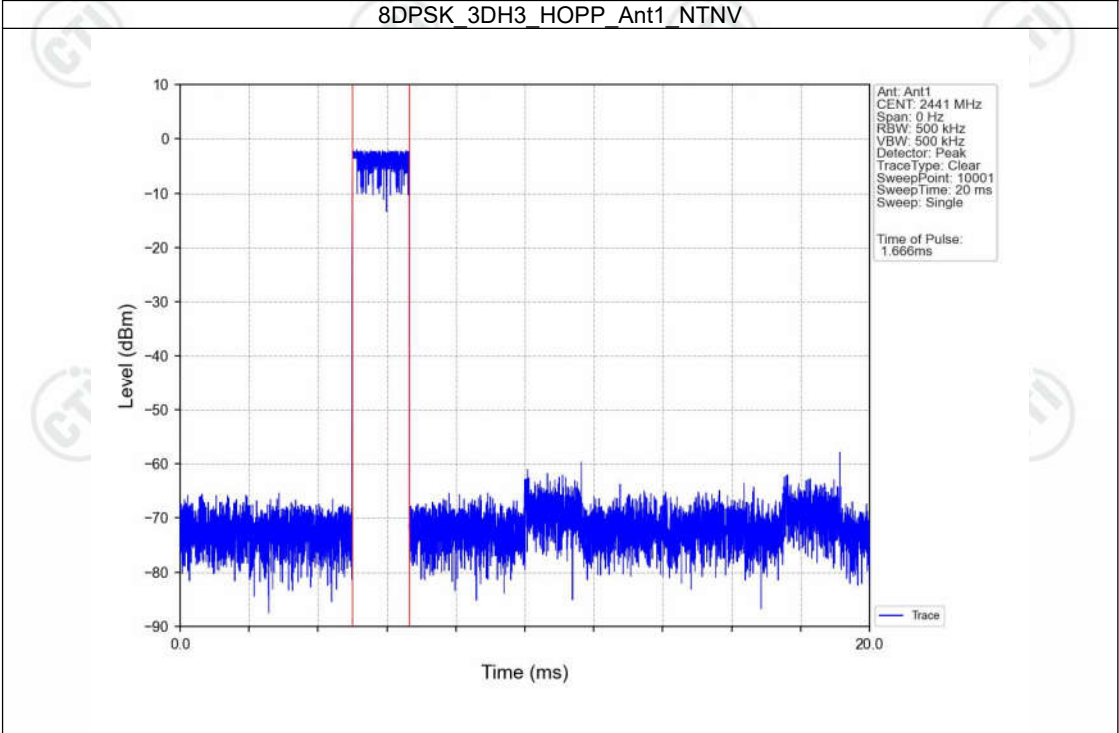


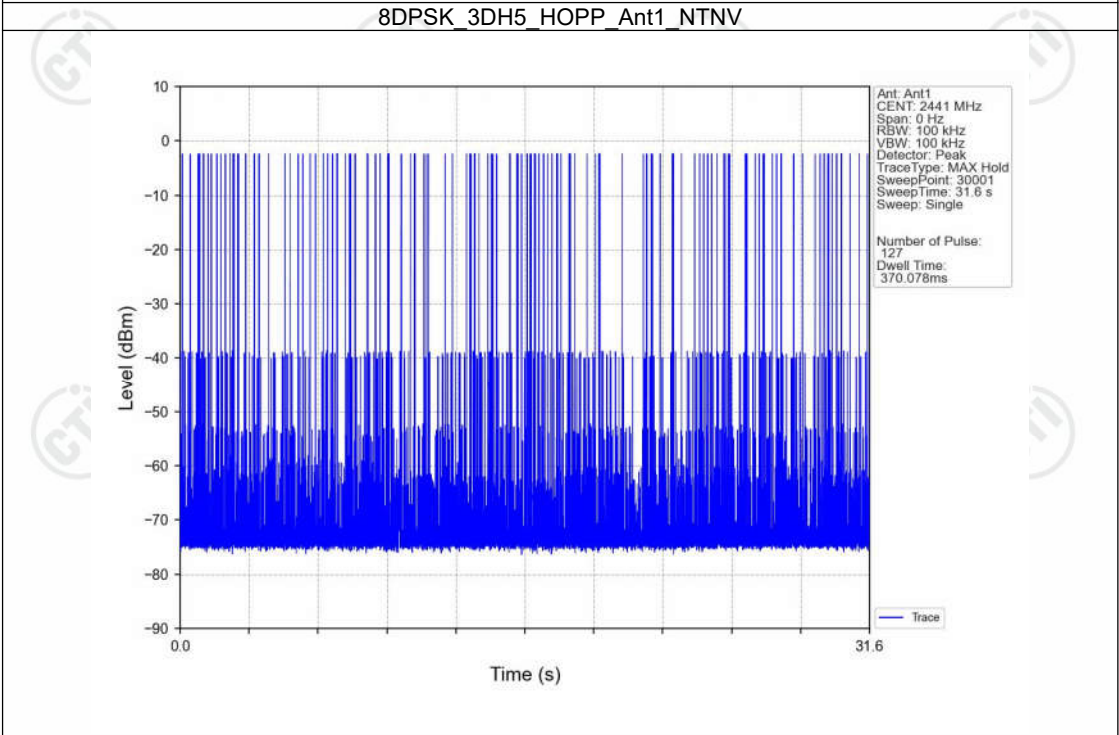
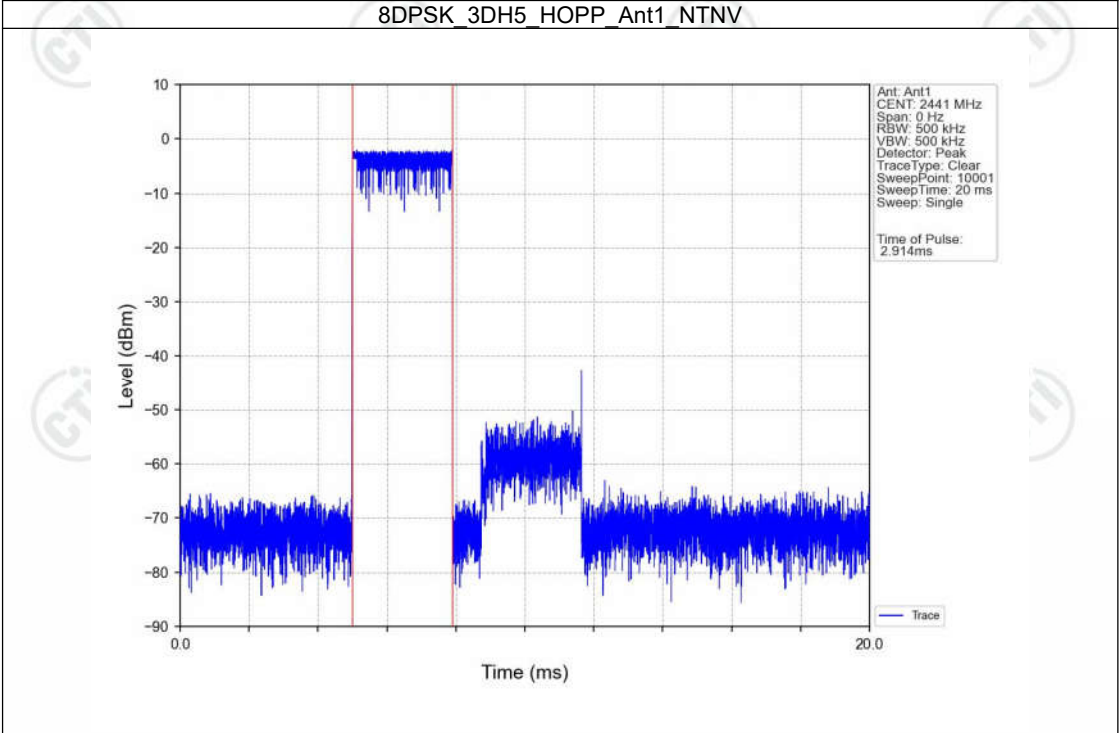












7. Unwanted Emissions In Non-restricted Frequency Bands

7.1 Test Result

7.1.1 Ref

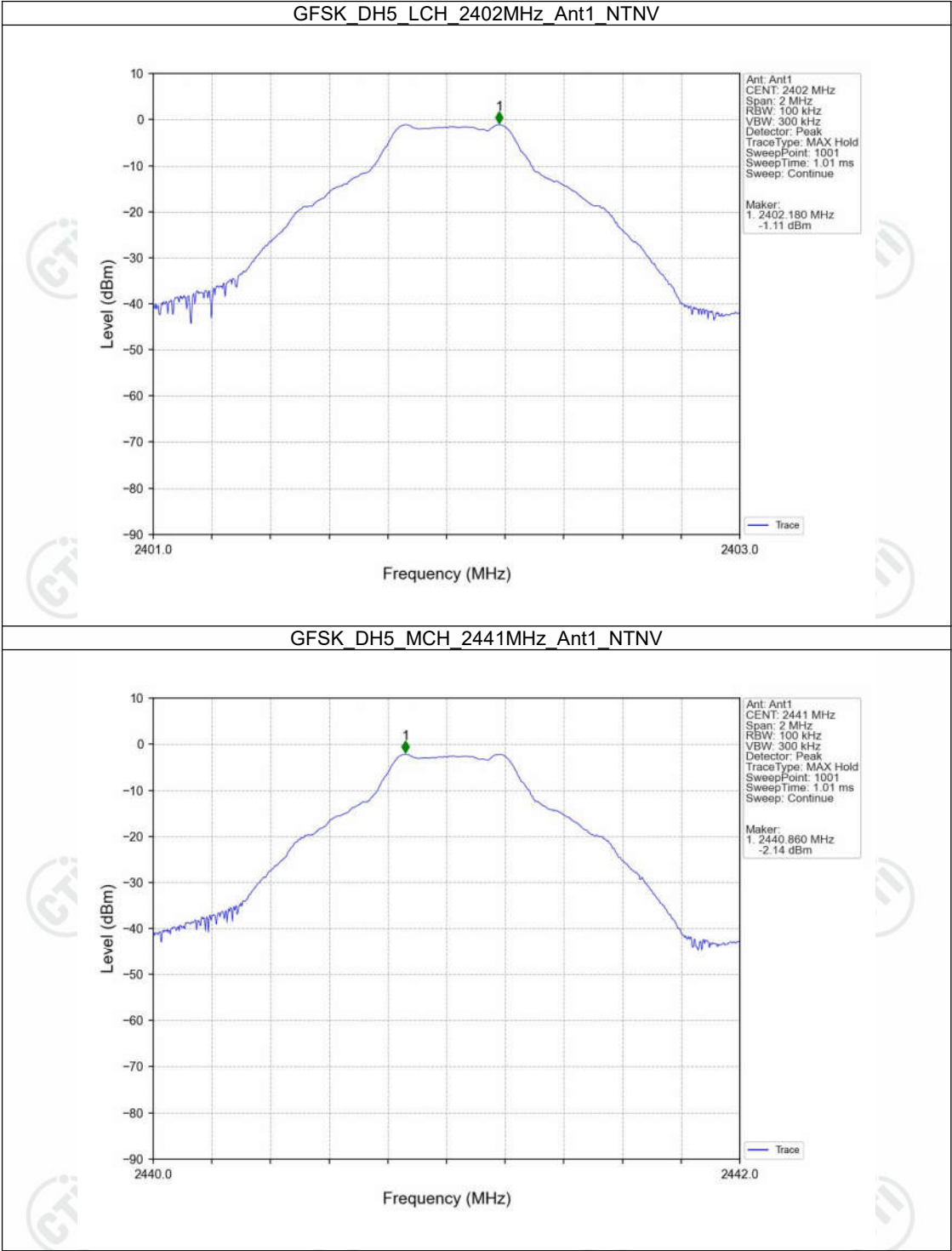
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-1.11
		2441	DH5	1	-2.14
		2480	DH5	1	-3.15
Pi/4DQPSK	SISO	2402	2DH5	1	-1.45
		2441	2DH5	1	-2.44
		2480	2DH5	1	-3.44
8DPSK	SISO	2402	3DH5	1	-1.15
		2441	3DH5	1	-2.14
		2480	3DH5	1	-3.13

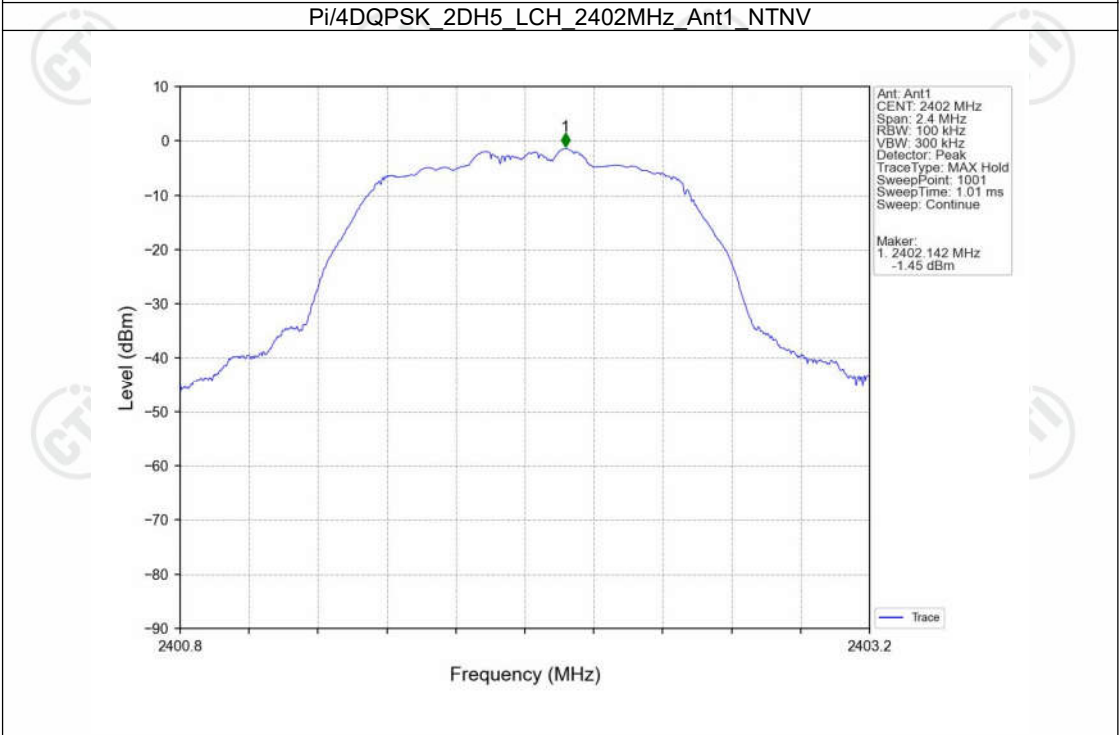
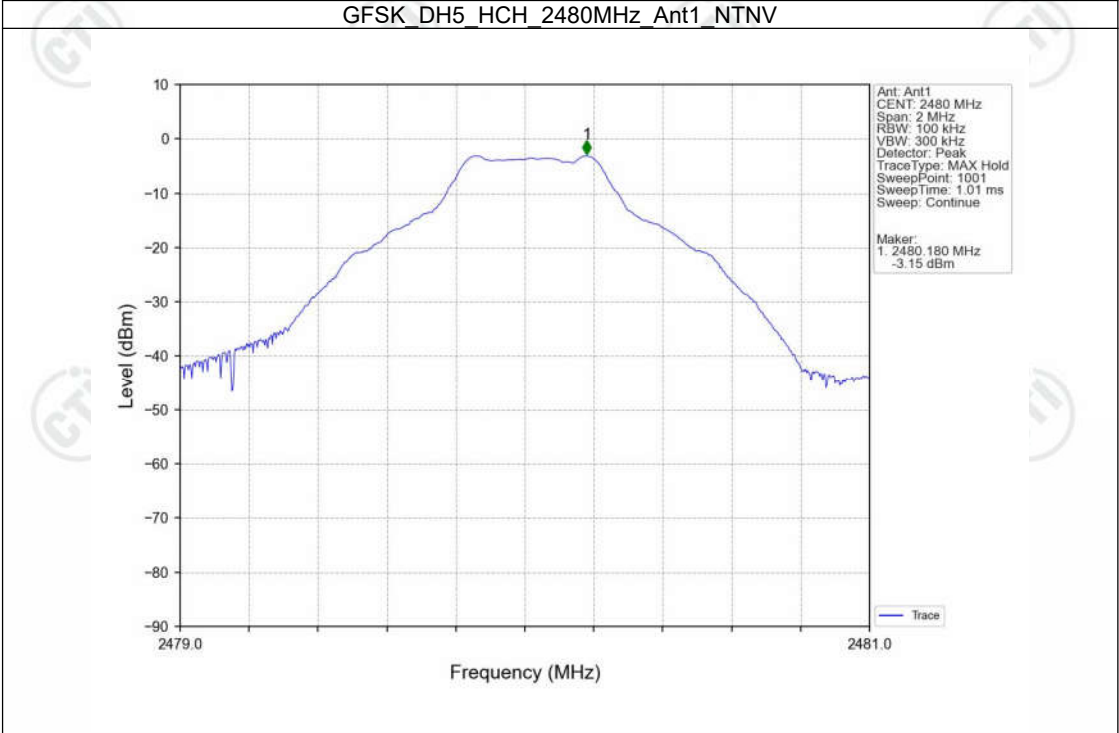
7.1.2 CSE

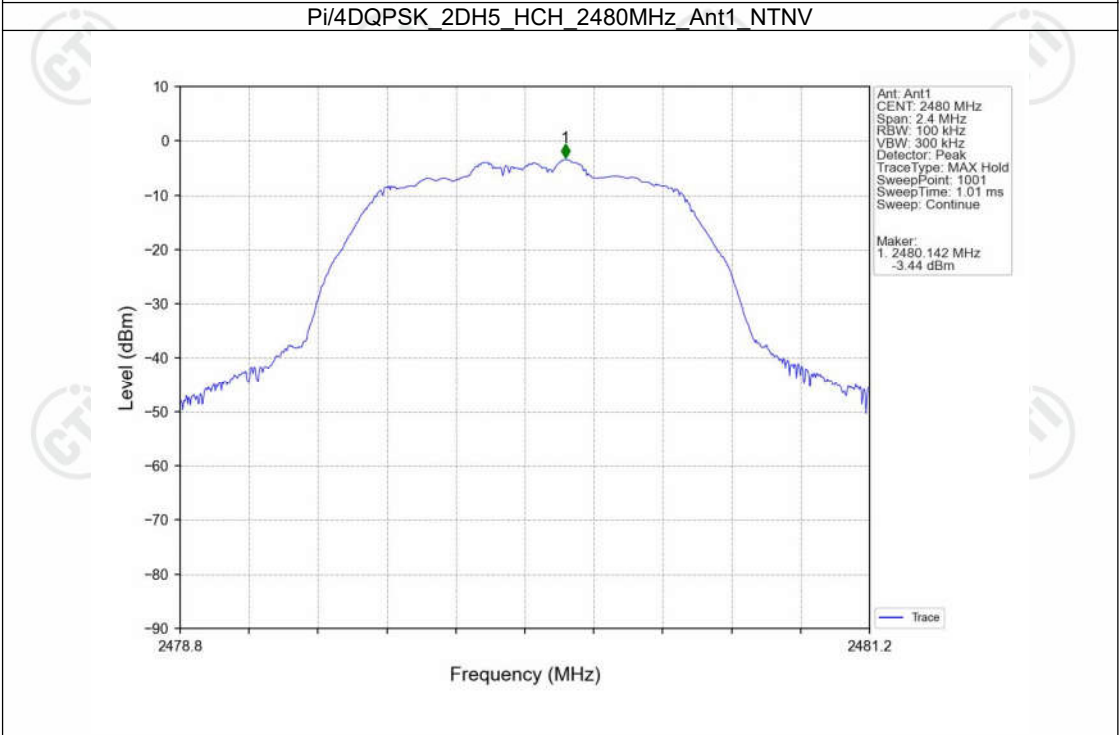
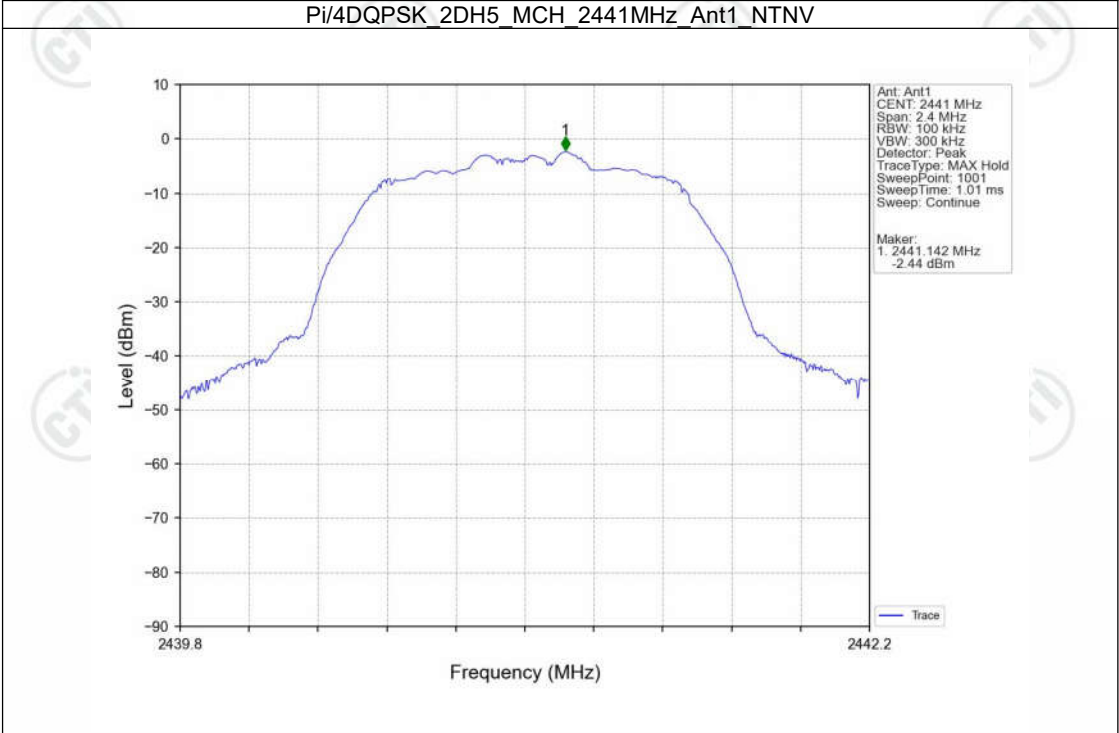
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-1.11	-21.11	Pass
		2441	DH5	1	-1.11	-21.11	Pass
		2480	DH5	1	-1.11	-21.11	Pass
		HOPP	DH5	1	-1.11	-21.11	Pass
					-1.11	-21.11	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-1.45	-21.45	Pass
		2441	2DH5	1	-1.45	-21.45	Pass
		2480	2DH5	1	-1.45	-21.45	Pass
		HOPP	2DH5	1	-1.45	-21.45	Pass
					-1.45	-21.45	Pass
8DPSK	SISO	2402	3DH5	1	-1.15	-21.15	Pass
		2441	3DH5	1	-1.15	-21.15	Pass
		2480	3DH5	1	-1.15	-21.15	Pass
		HOPP	3DH5	1	-1.15	-21.15	Pass
					-1.15	-21.15	Pass

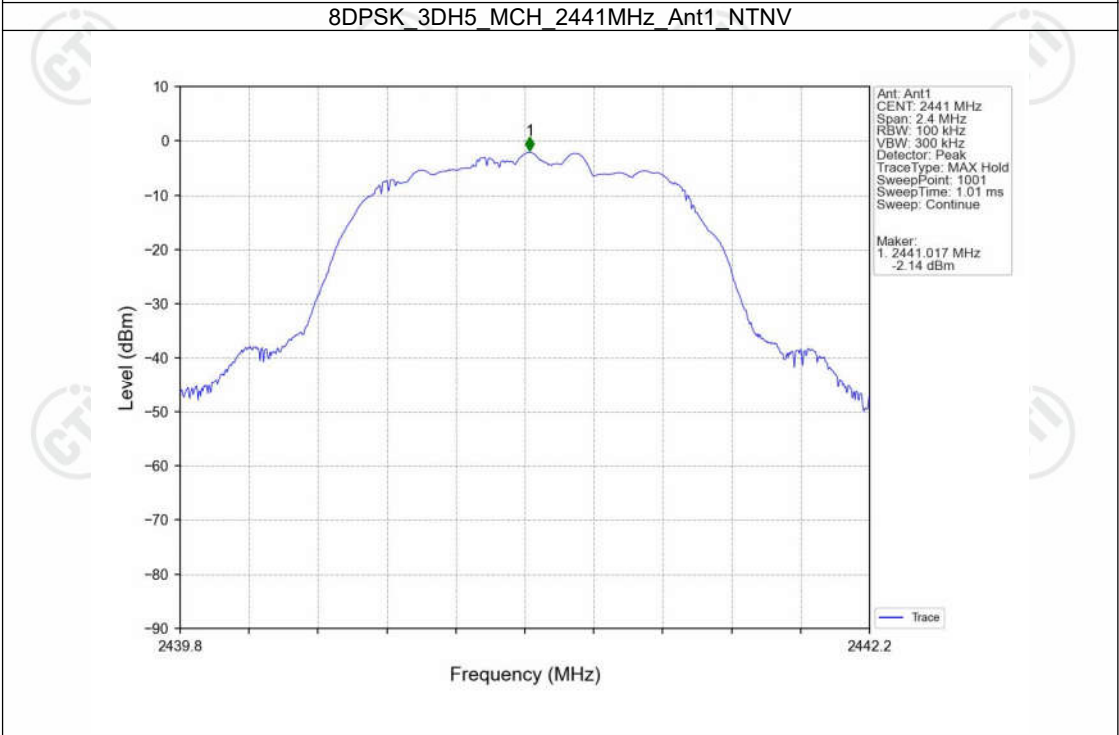
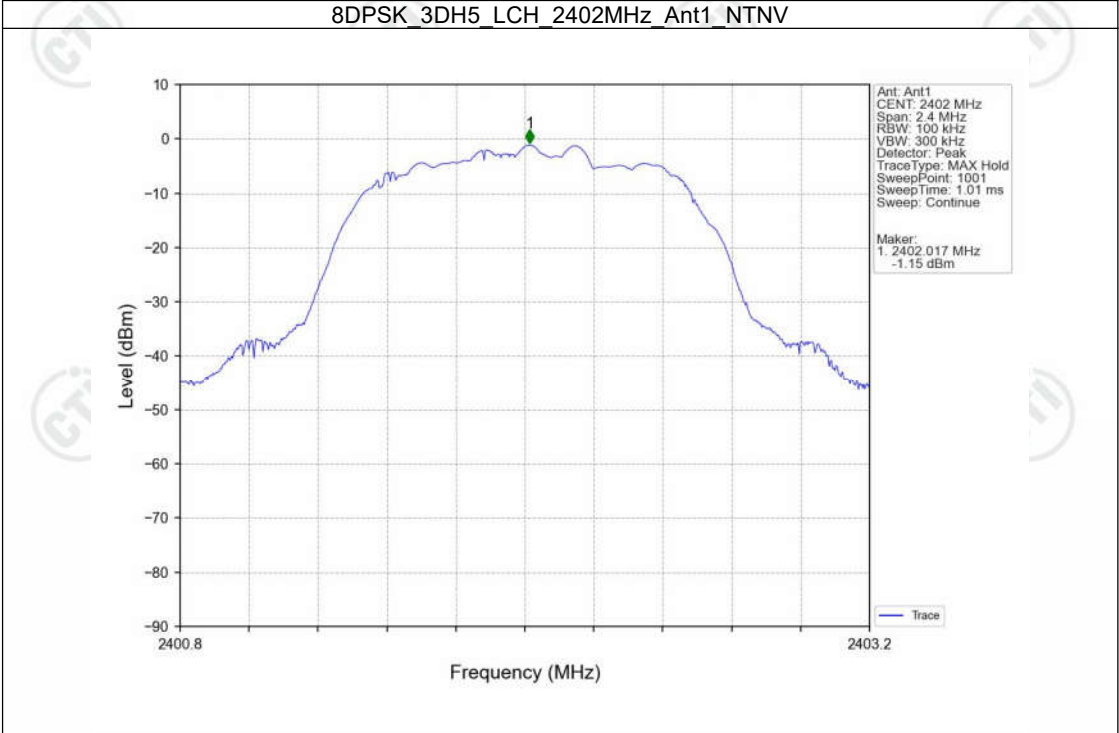
7.2 Test Graph

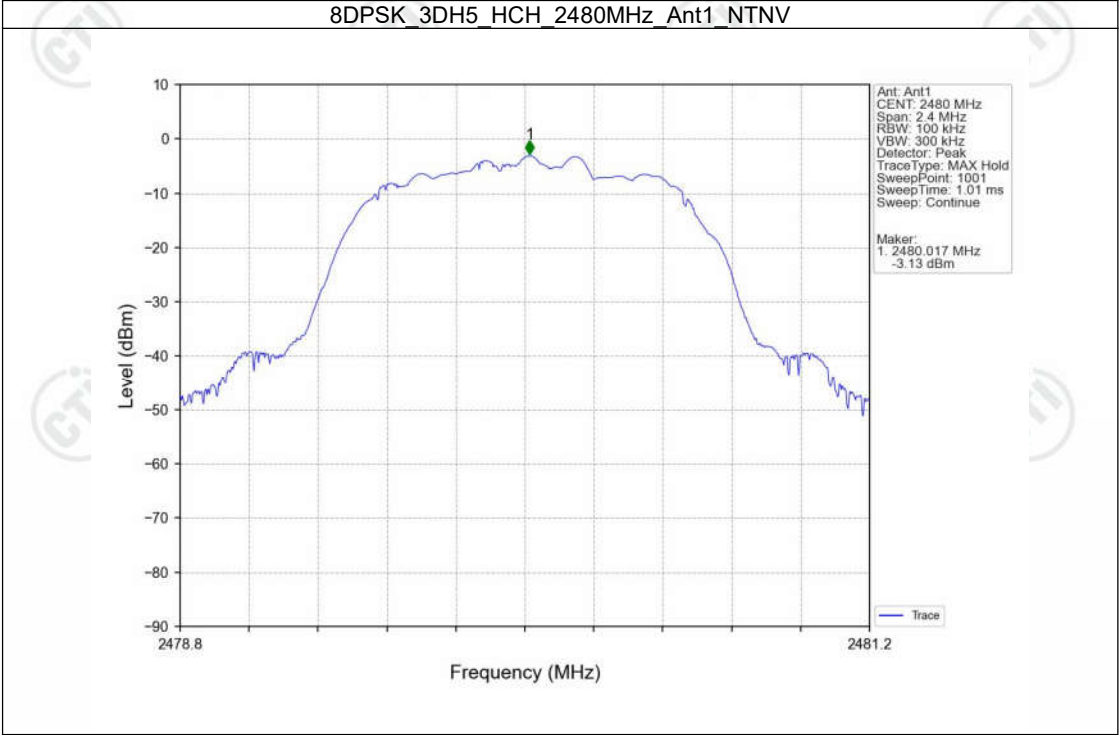
7.2.1 Ref



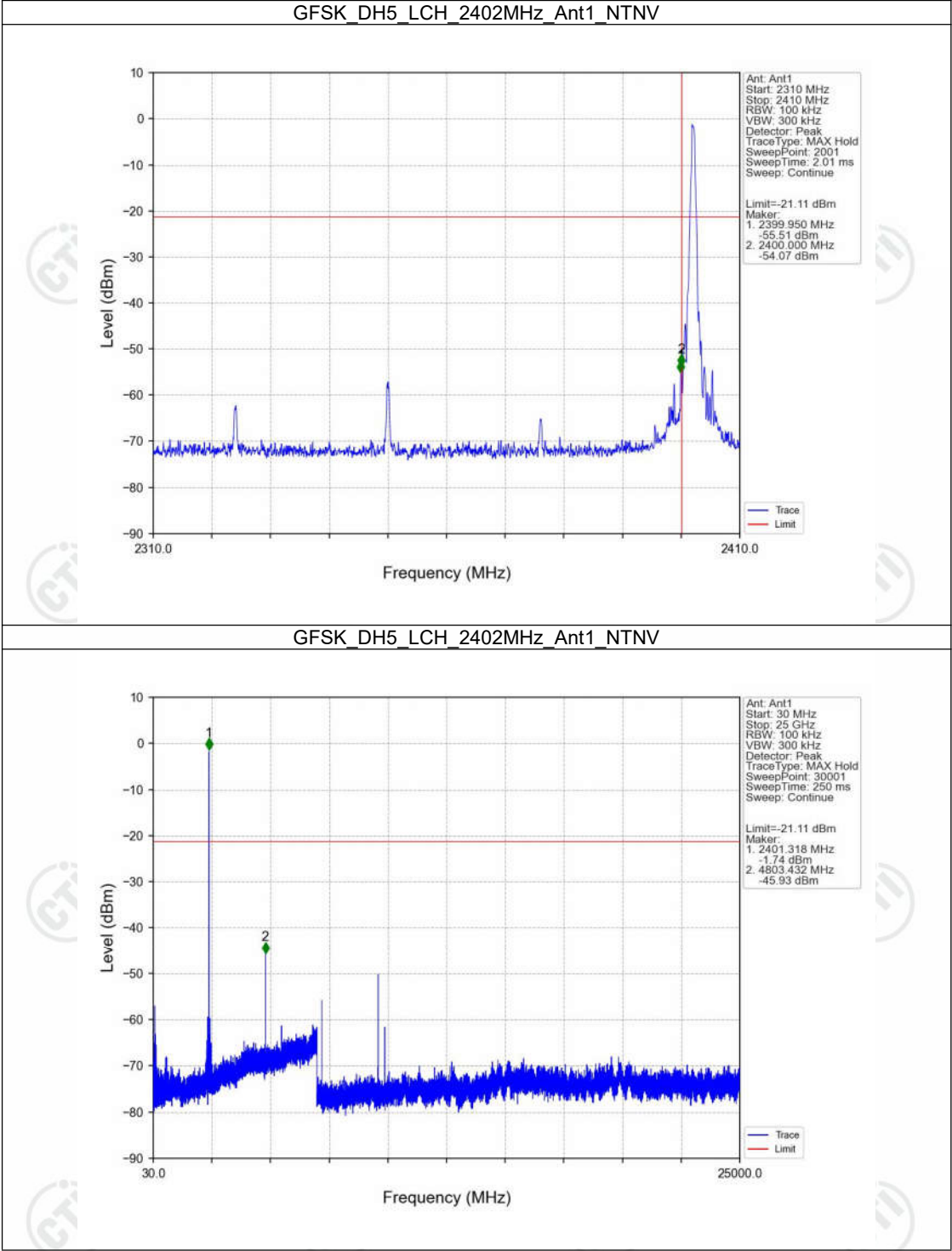


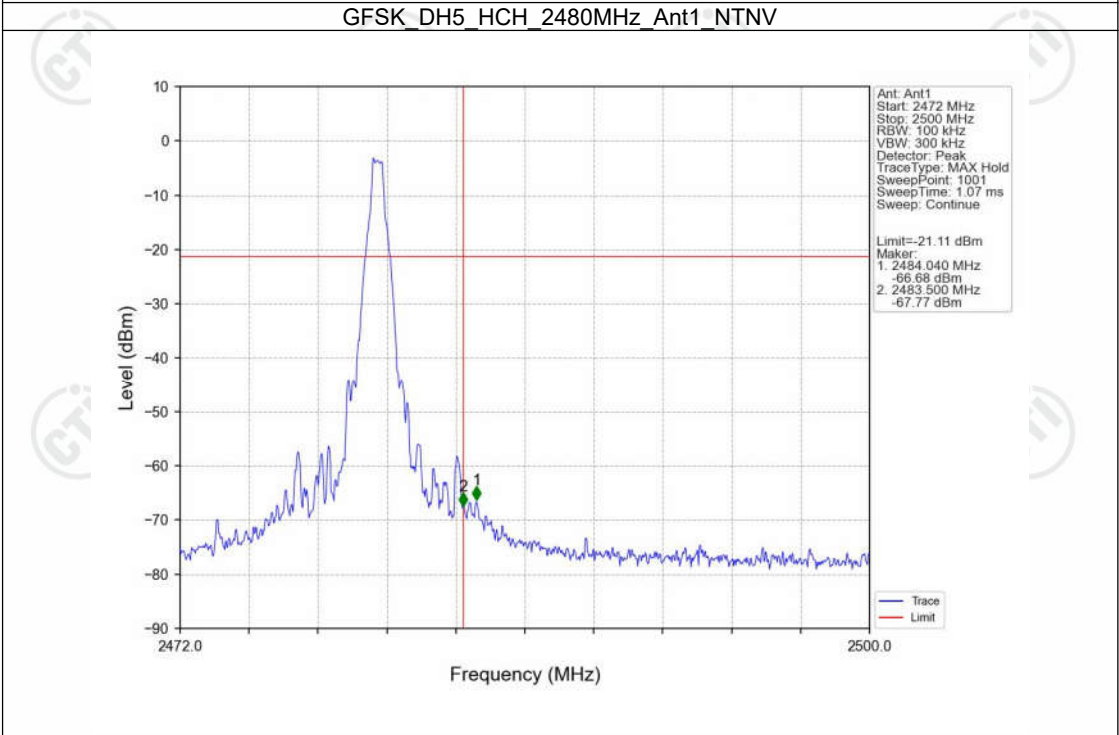
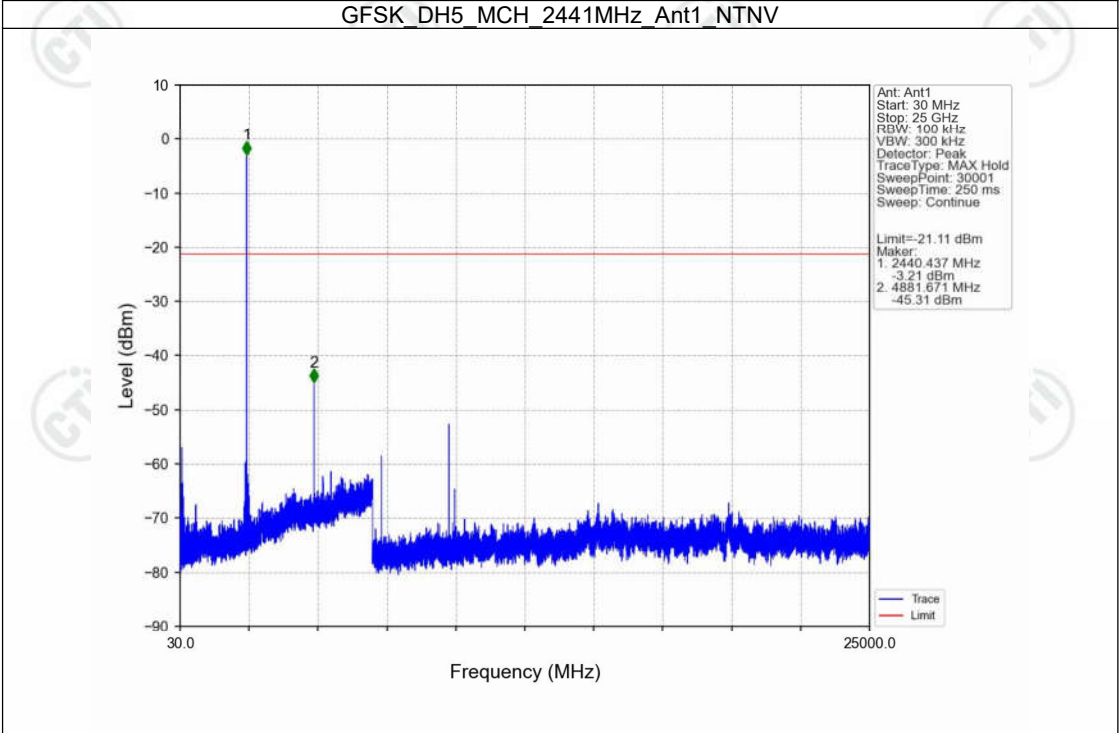


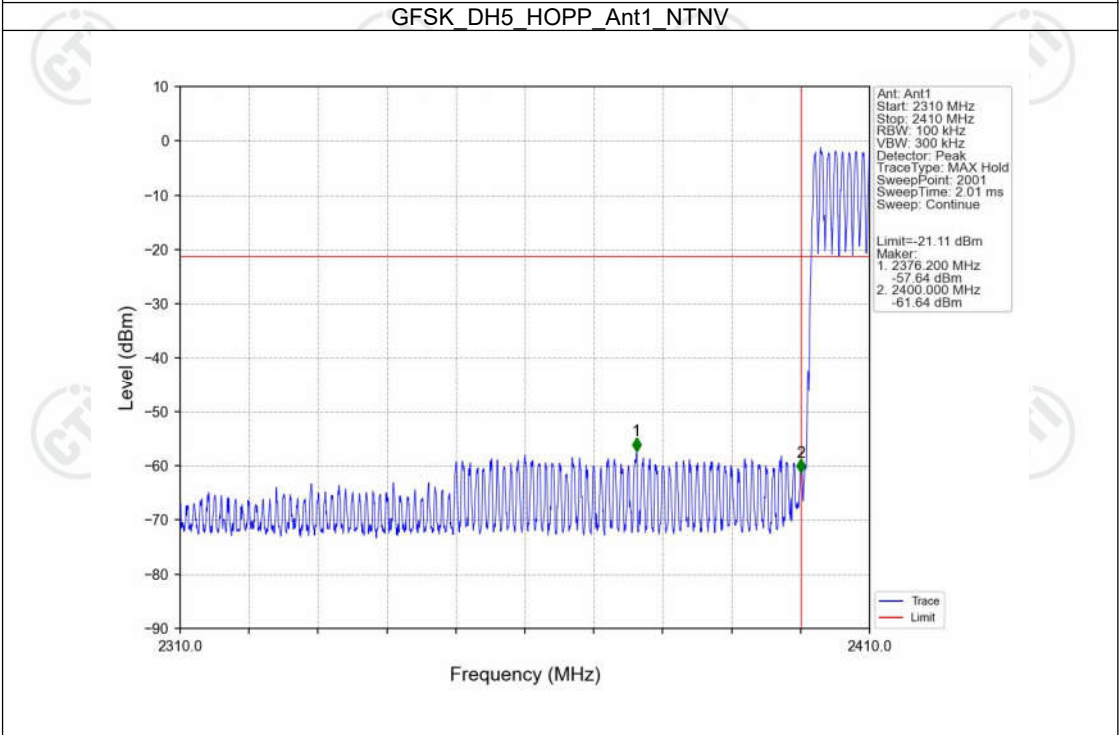
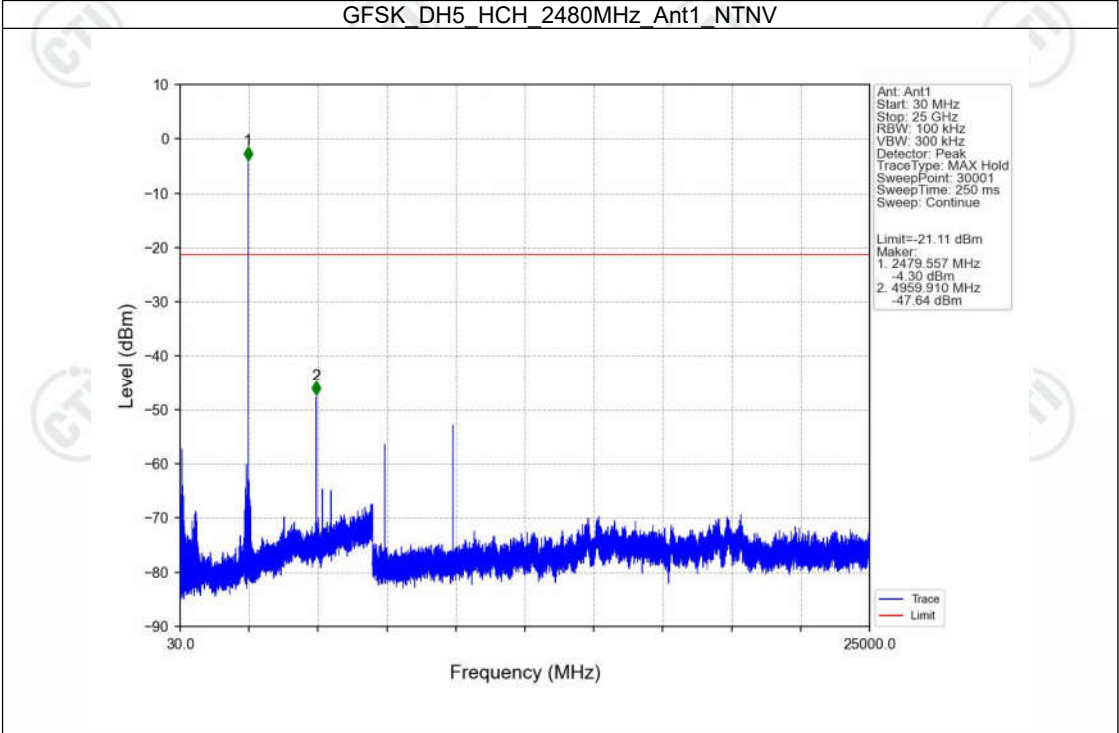


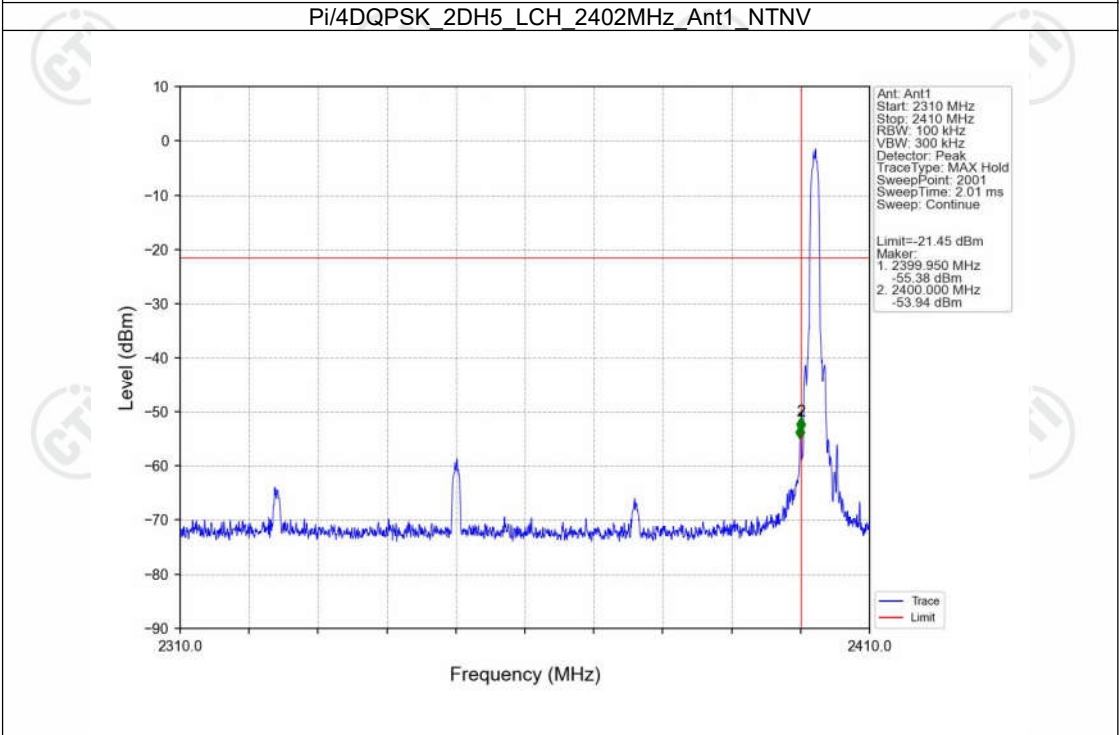
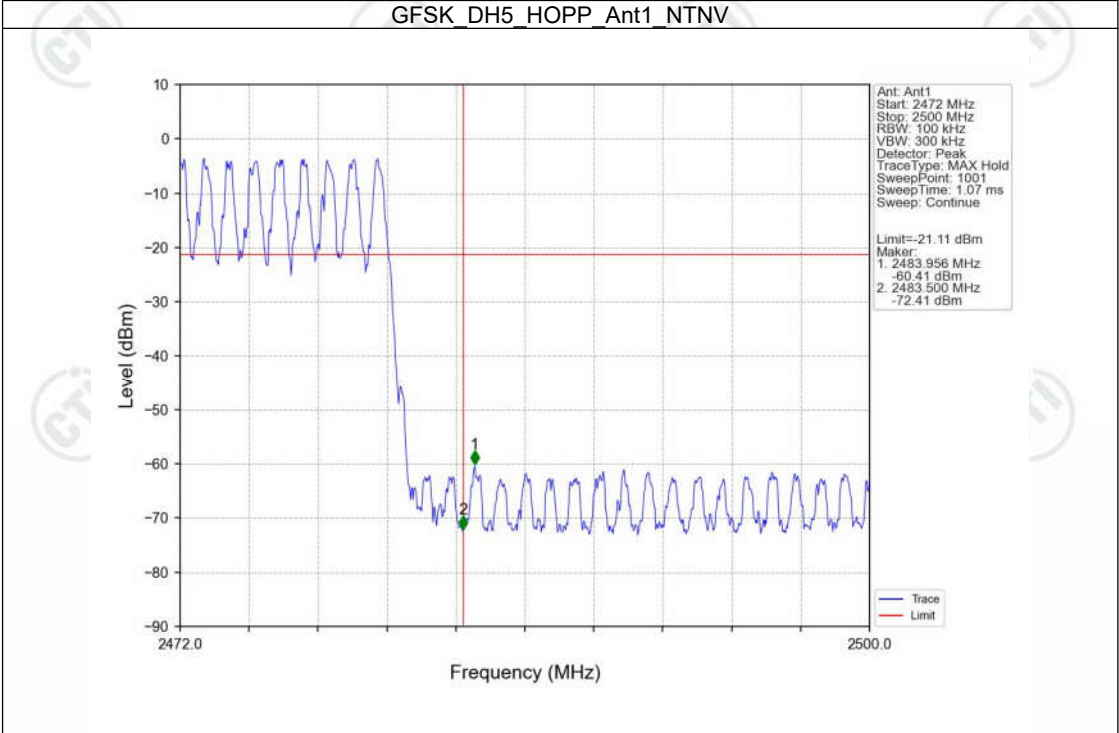


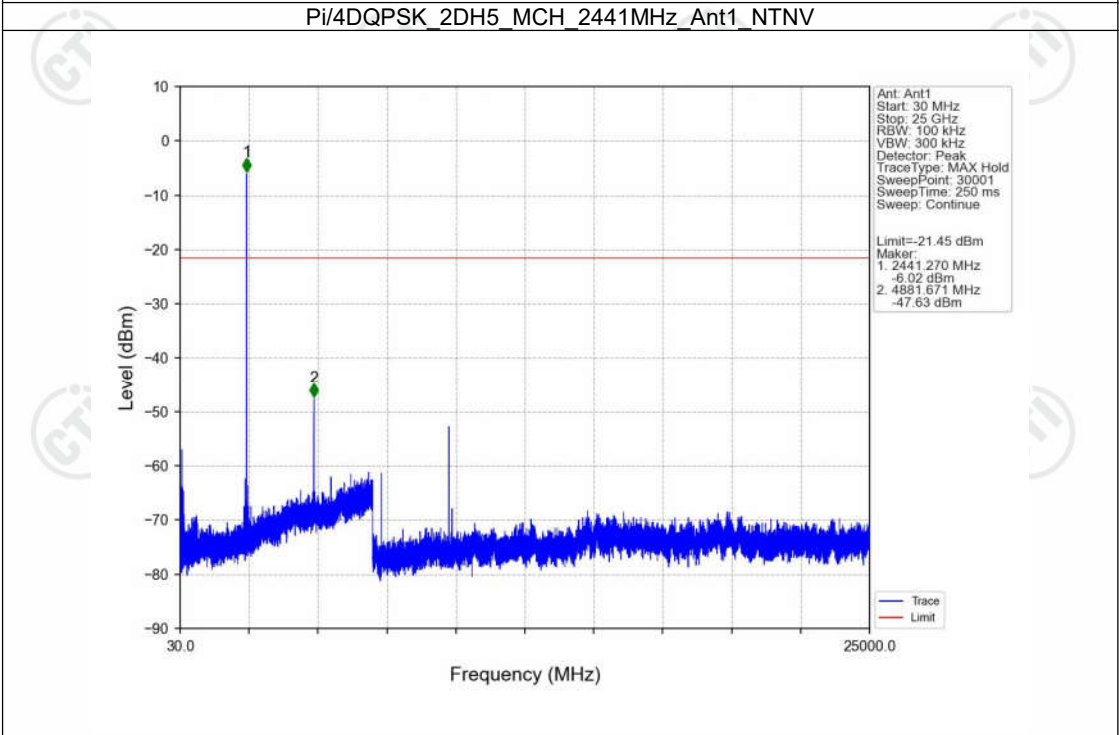
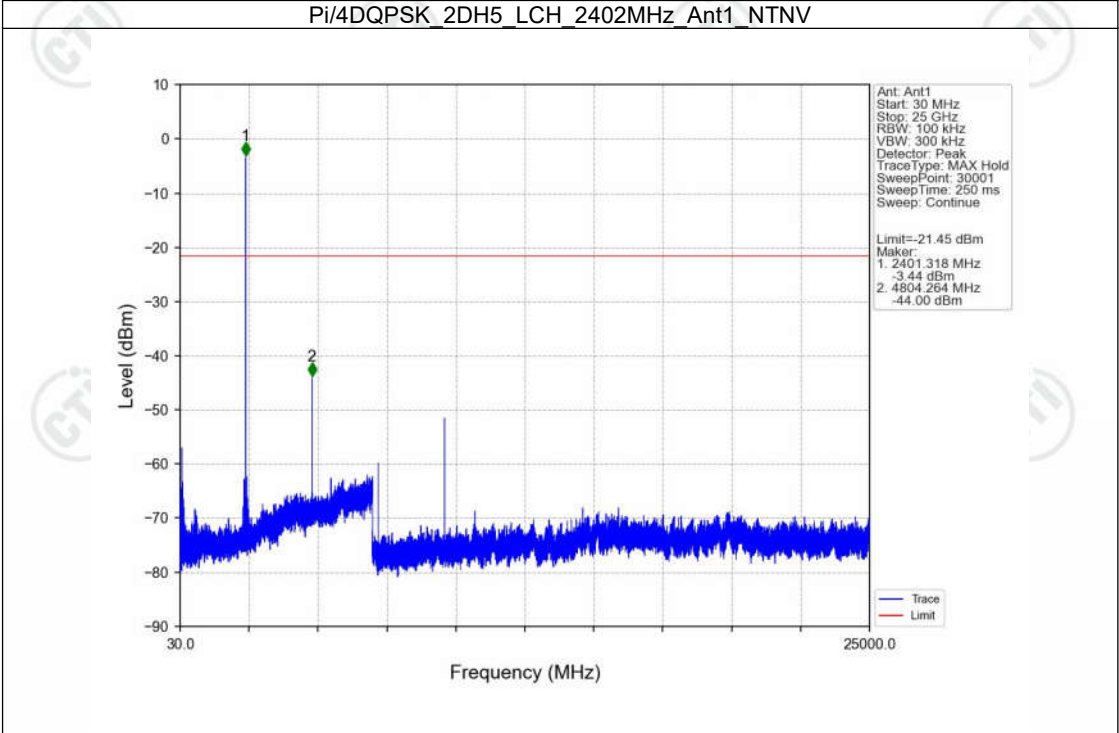
7.2.2 CSE

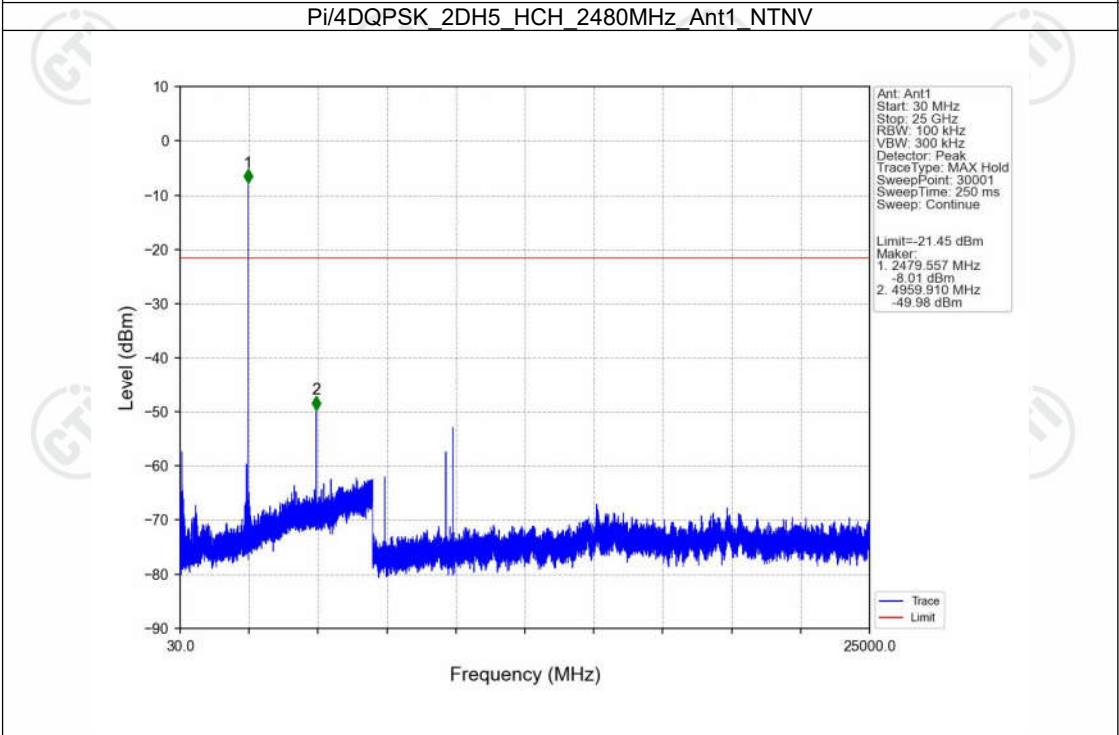
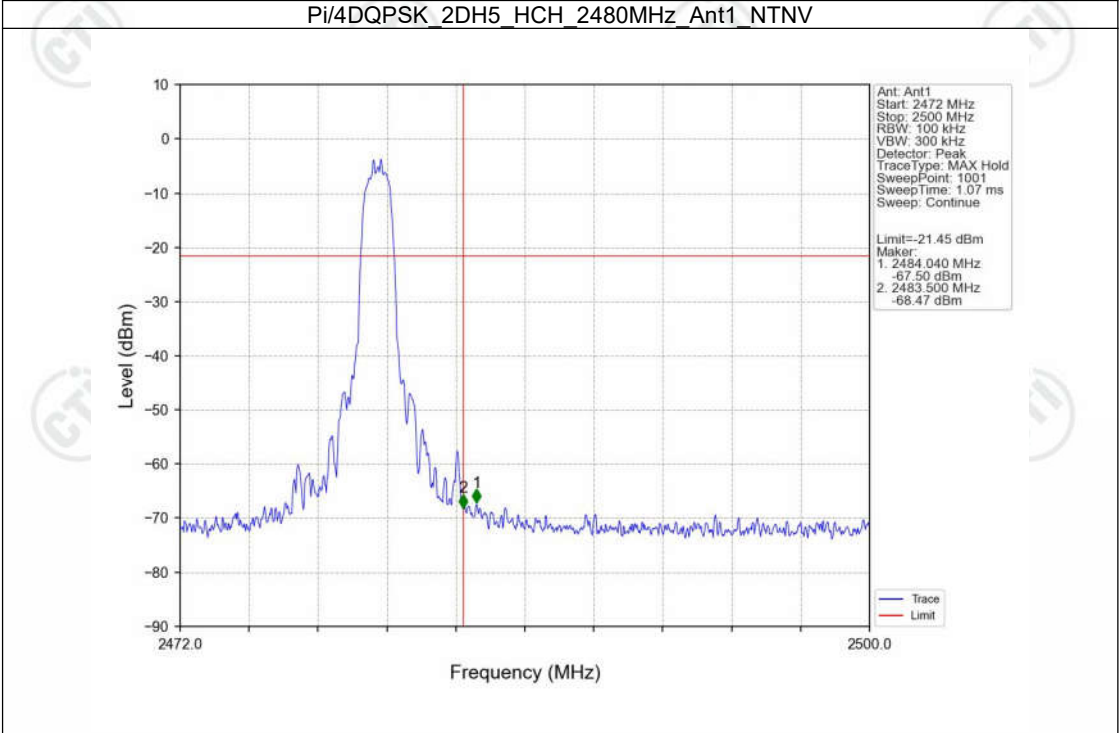


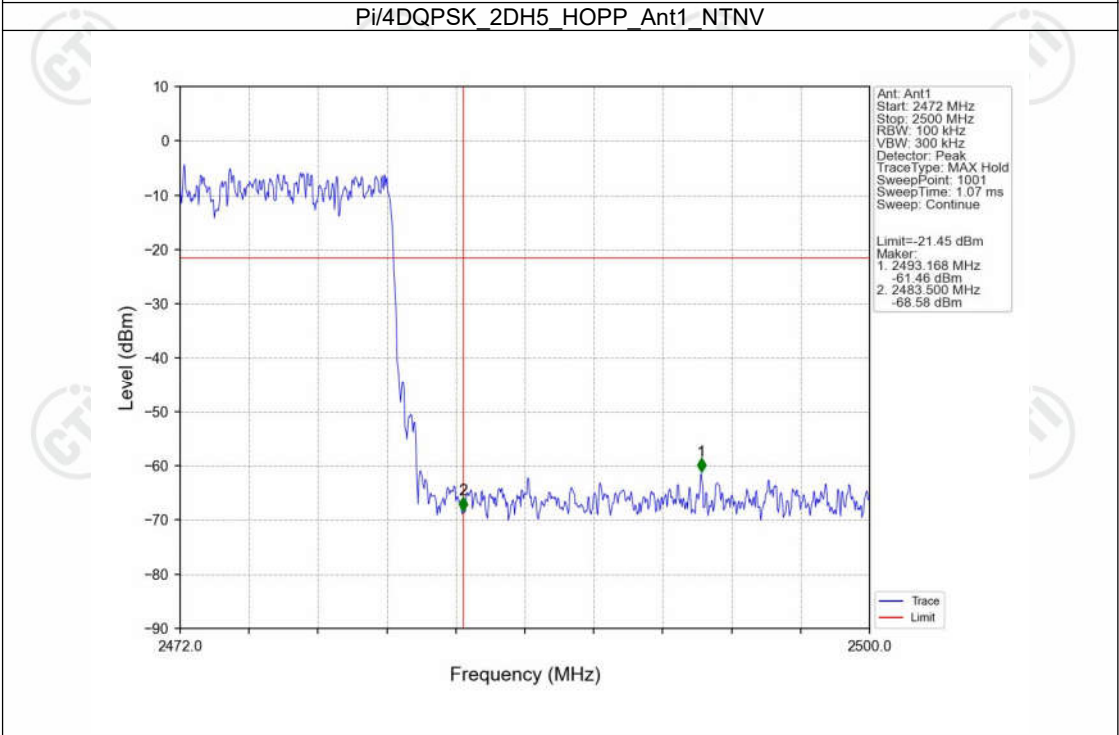
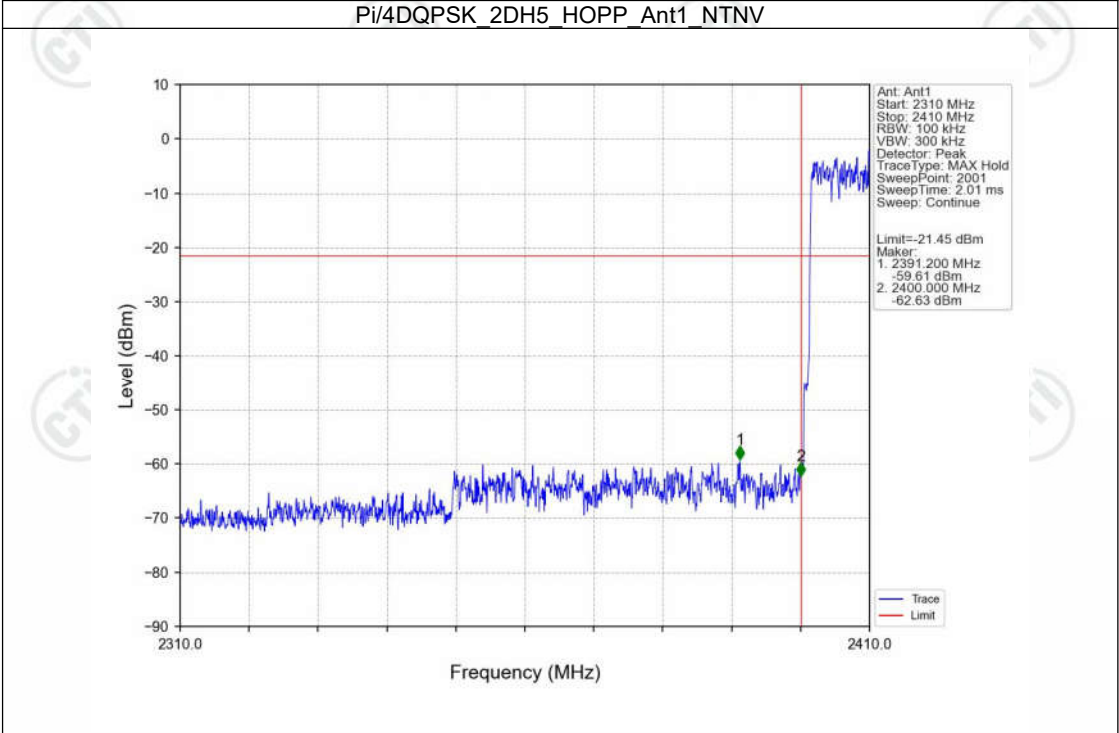


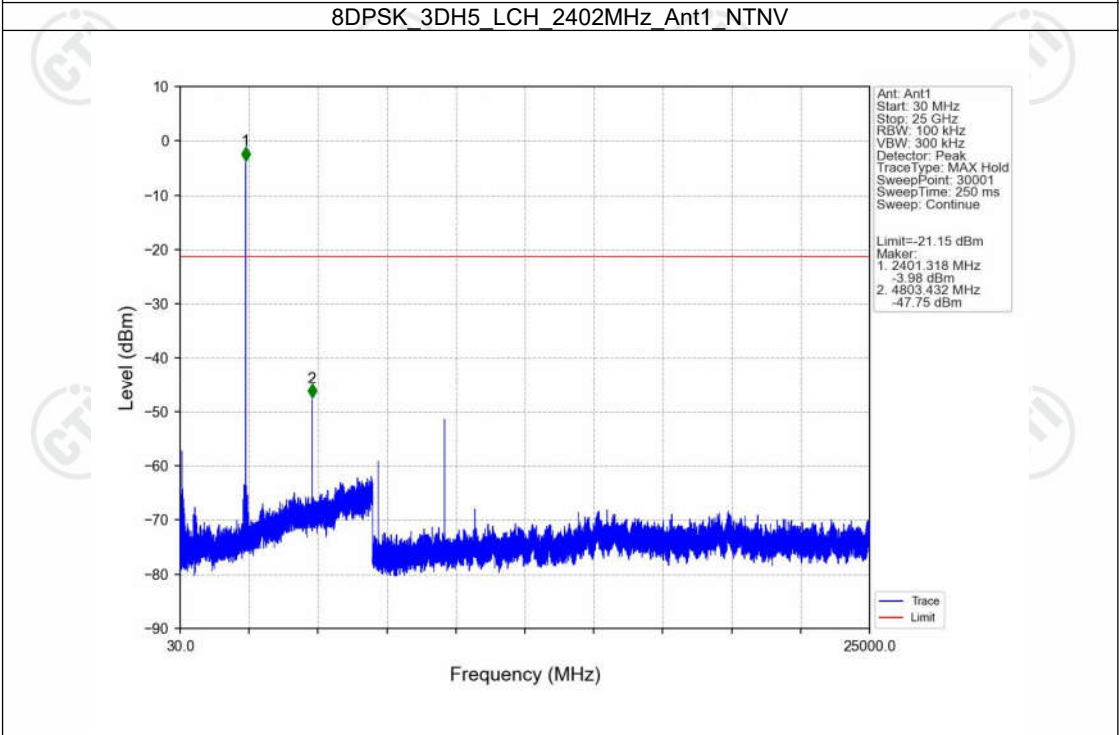
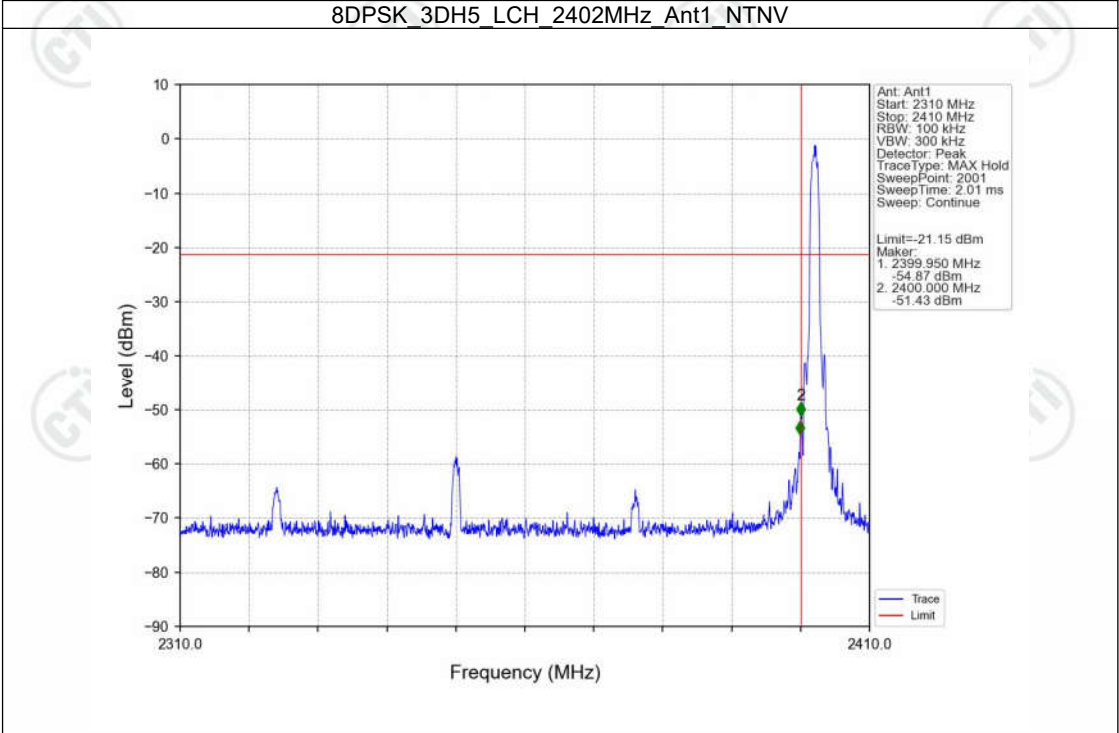


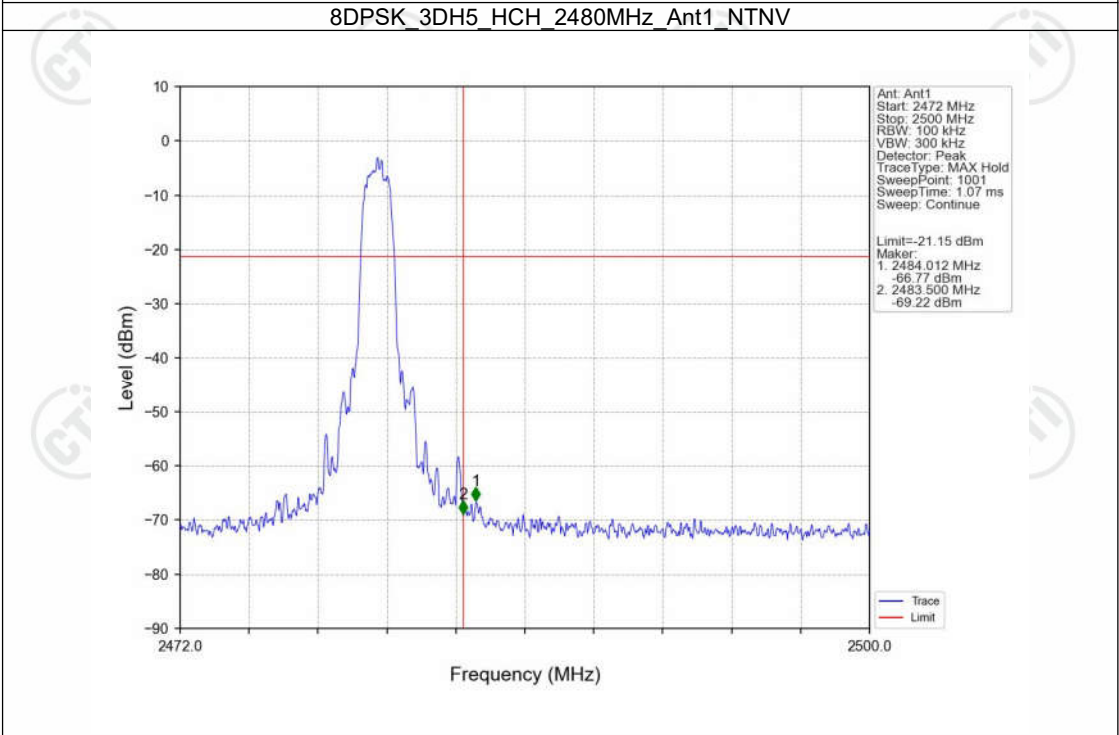
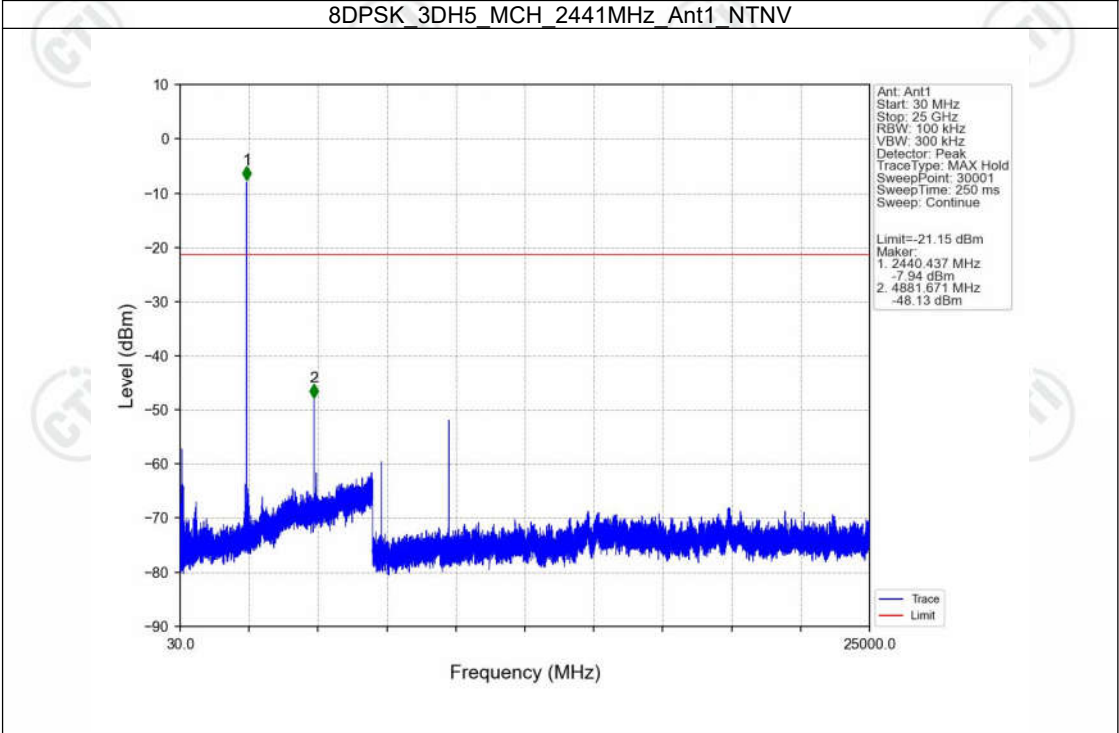


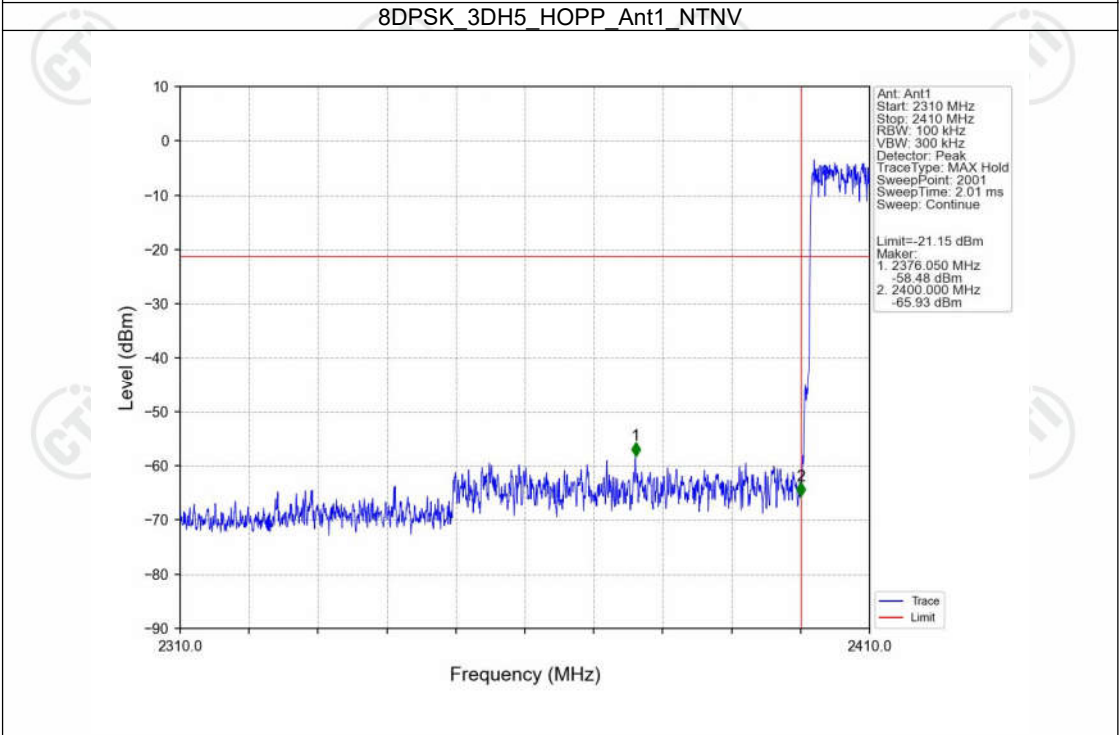
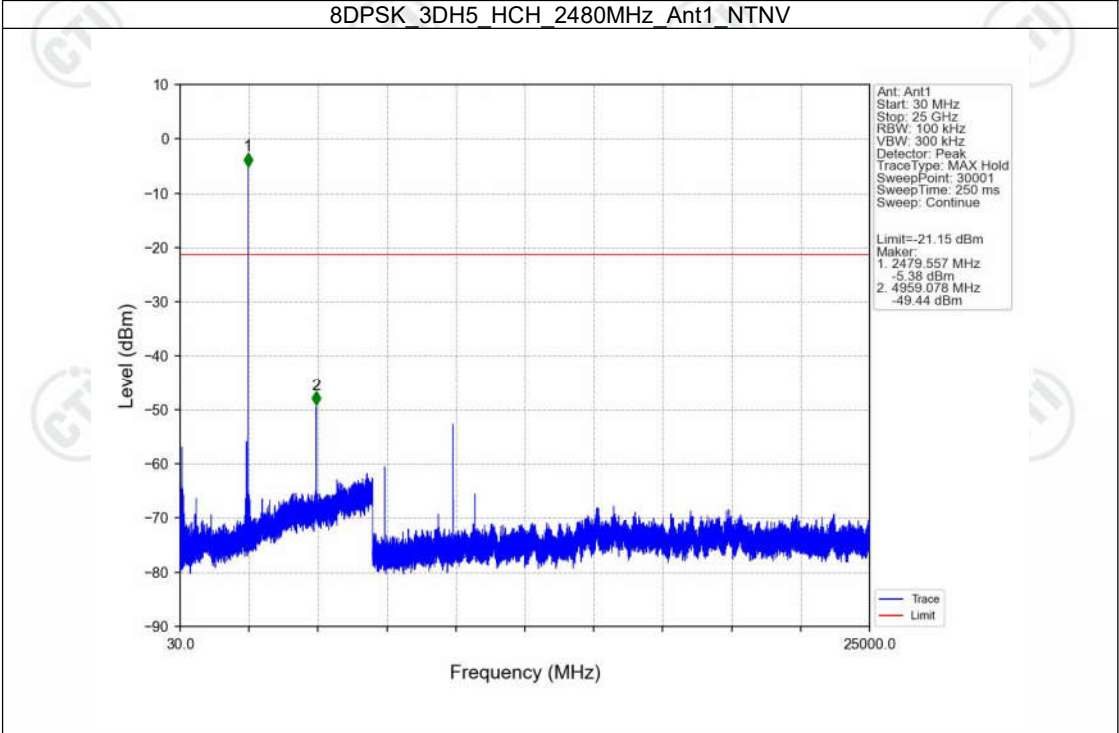


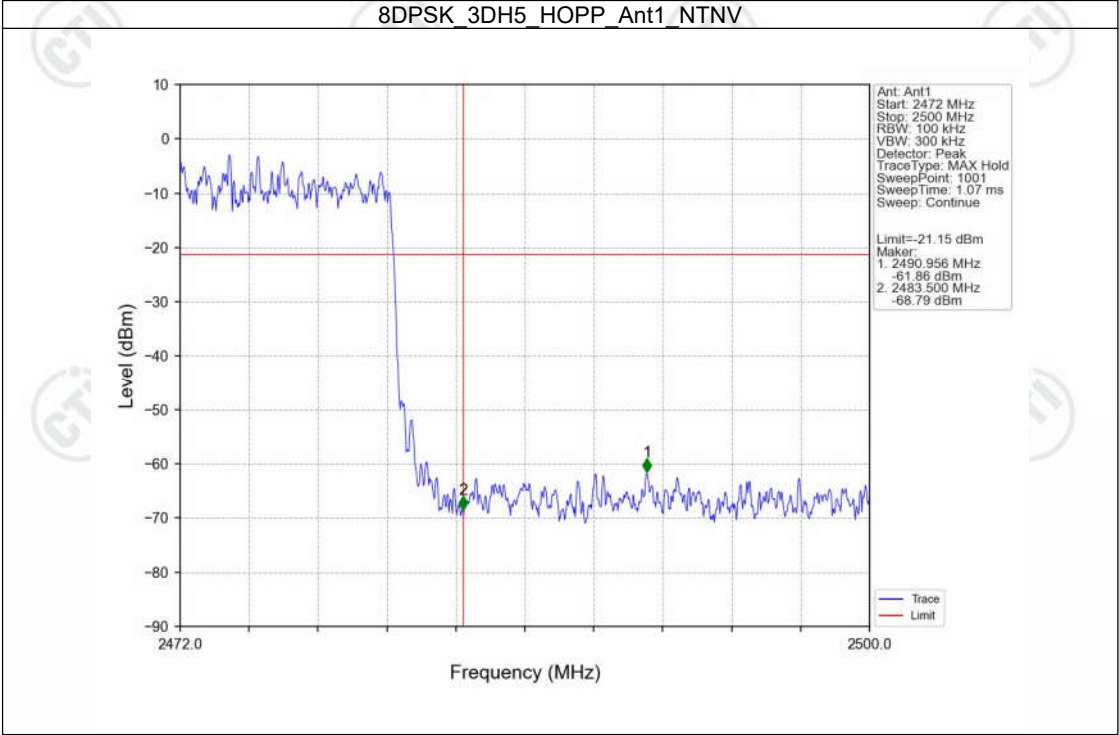












*** End of Report ***