

Appendix: Bluetooth Classic

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1. Duty Cycle

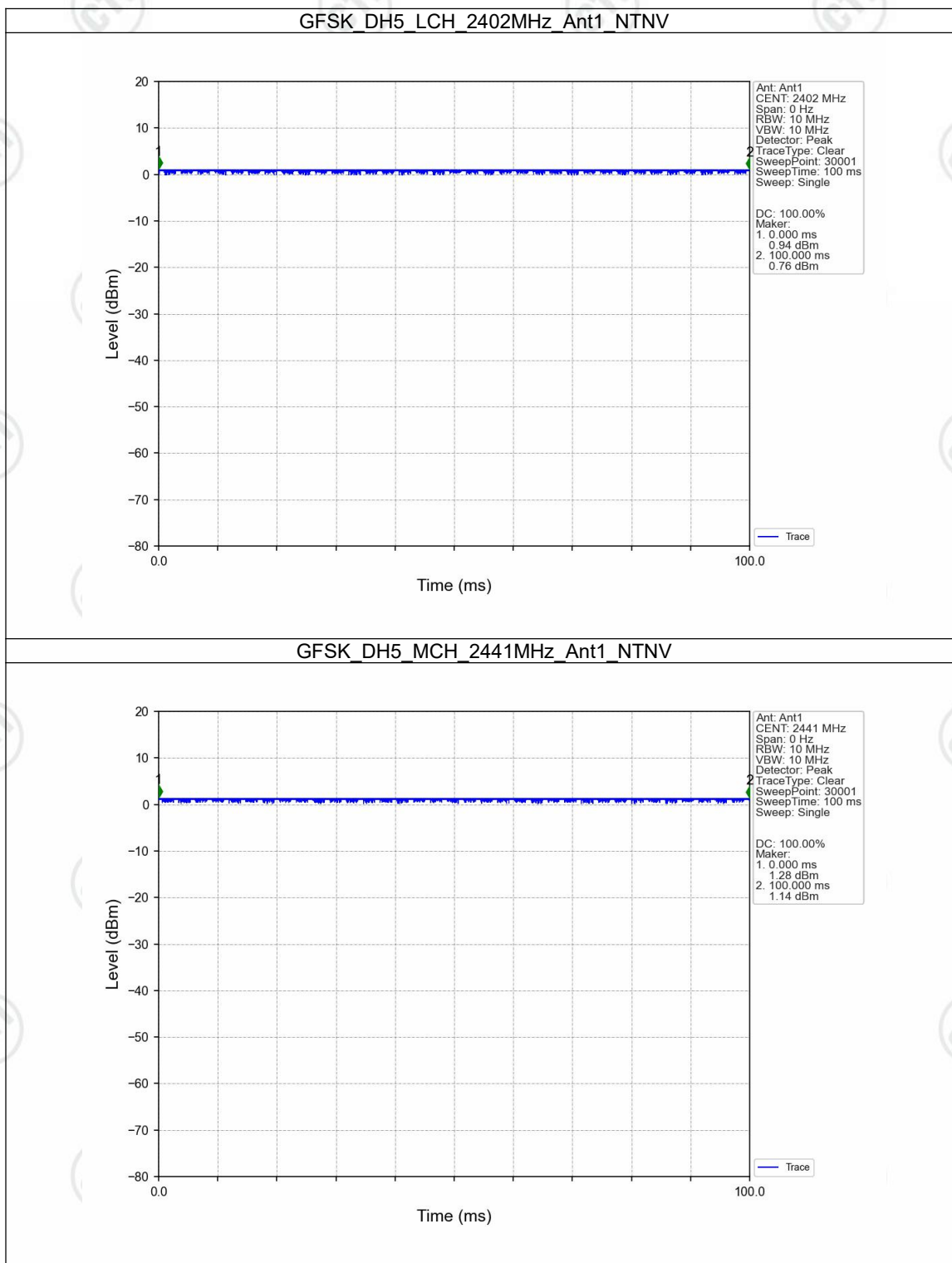
1.1 Test Result

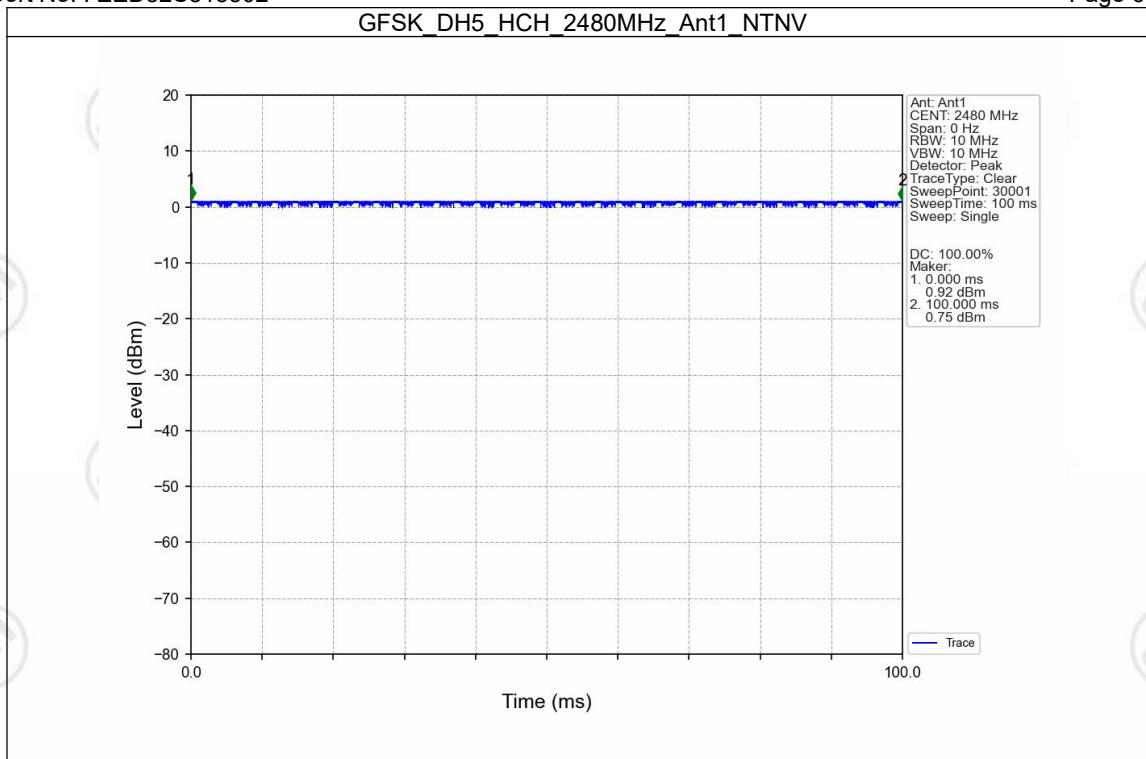
1.1.1 Ant1

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	100.000	100.000	100.00	0.00	0.00
		2441	DH5	100.000	100.000	100.00	0.00	0.00
		2480	DH5	100.000	100.000	100.00	0.00	0.00

1.2 Test Graph

1.2.1 Ant1





2. Bandwidth

2.1 Test Result

2.1.1 OBW

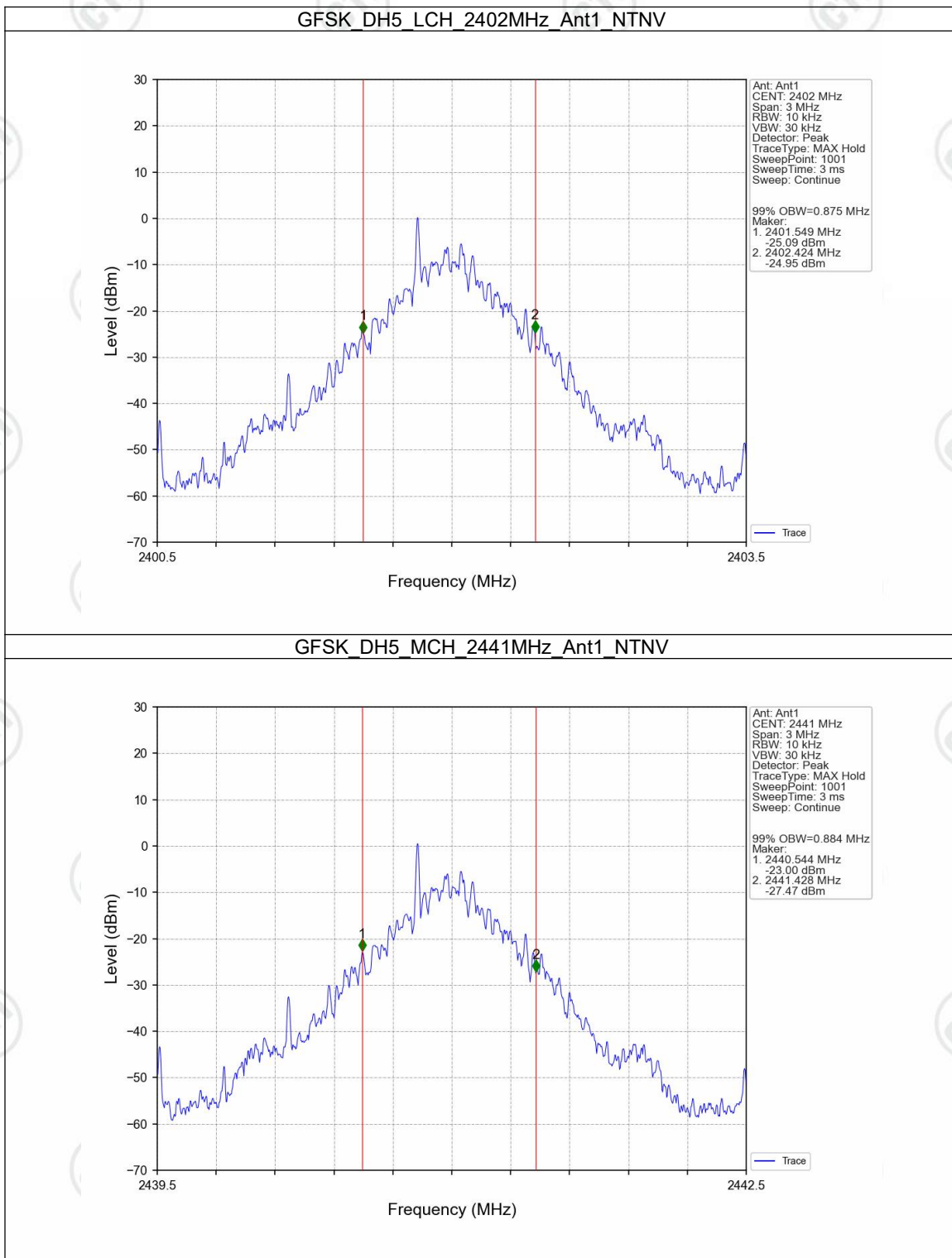
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.875	/	Pass
		2441	DH5	1	0.884	/	Pass
		2480	DH5	1	0.884	/	Pass

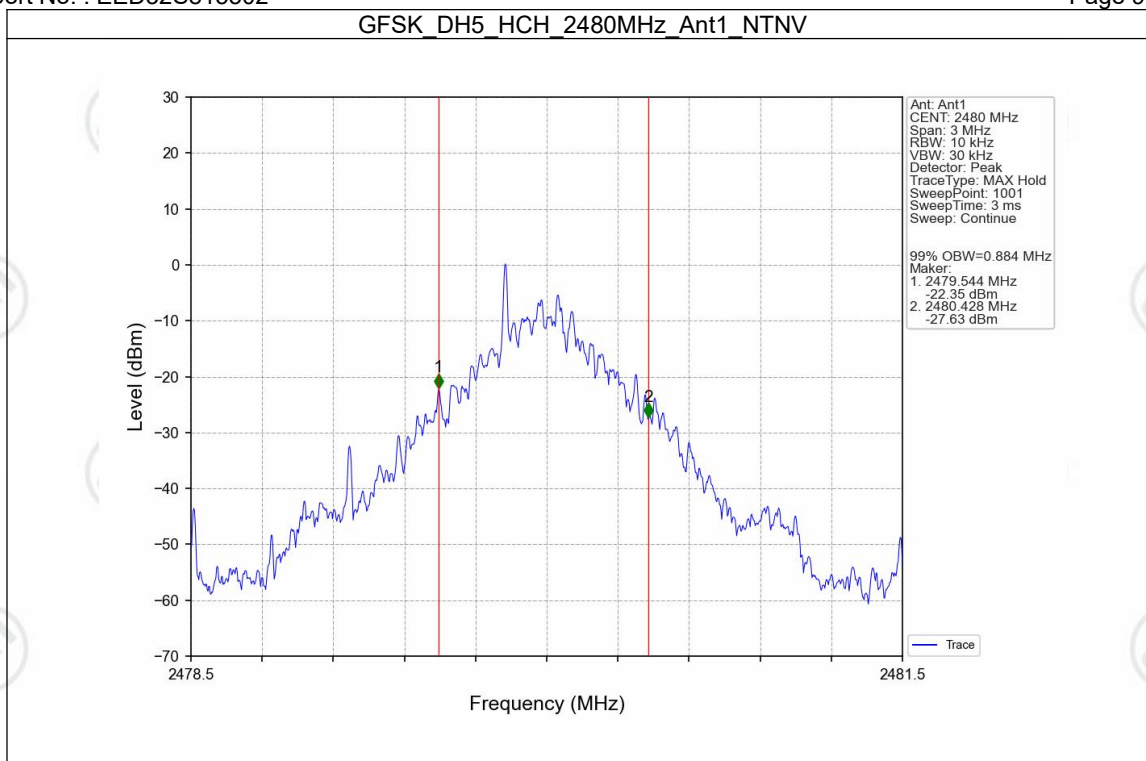
2.1.2 20dB BW

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.702	/	Pass
		2441	DH5	1	0.701	/	Pass
		2480	DH5	1	0.702	/	Pass

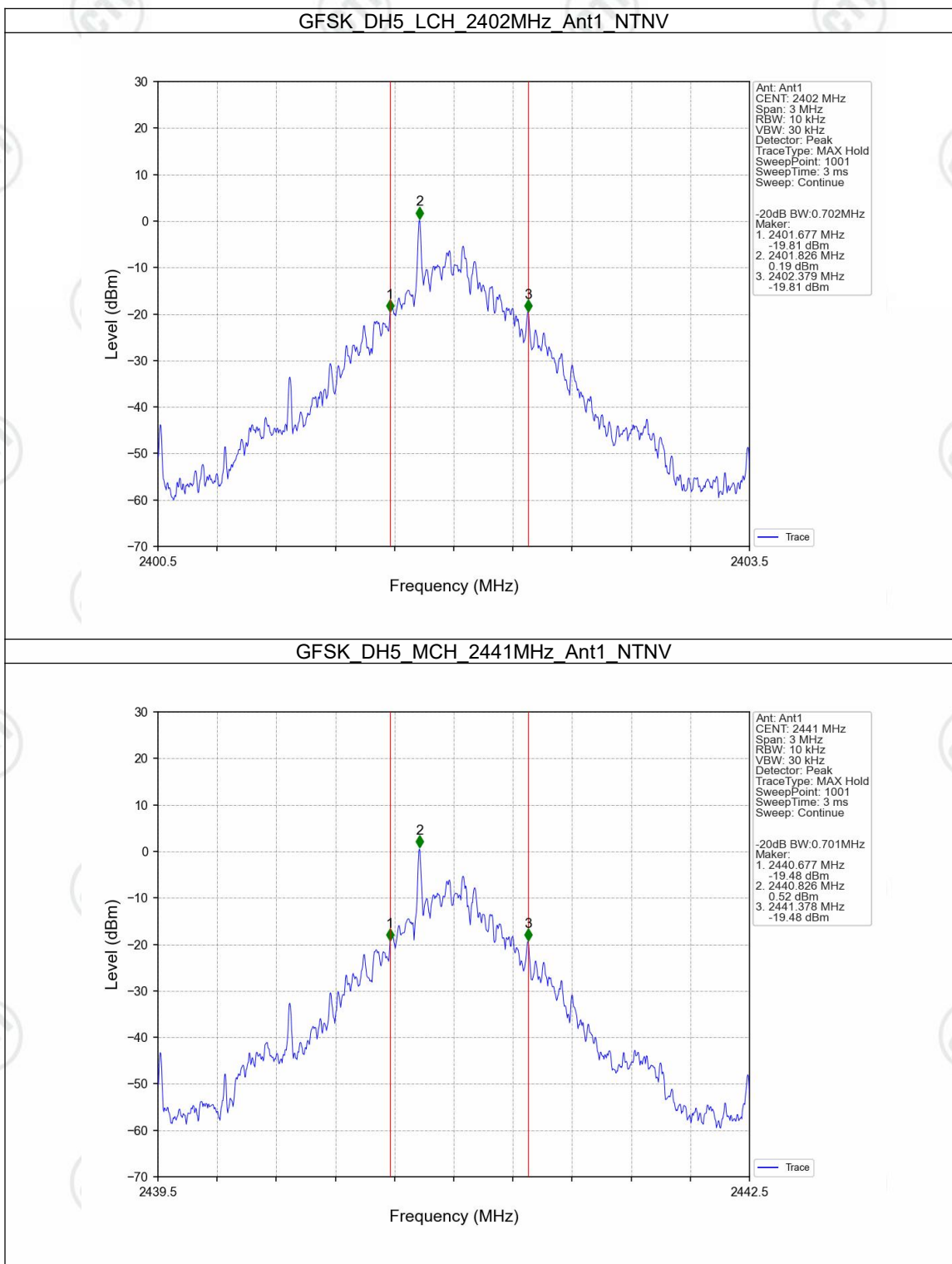
2.2 Test Graph

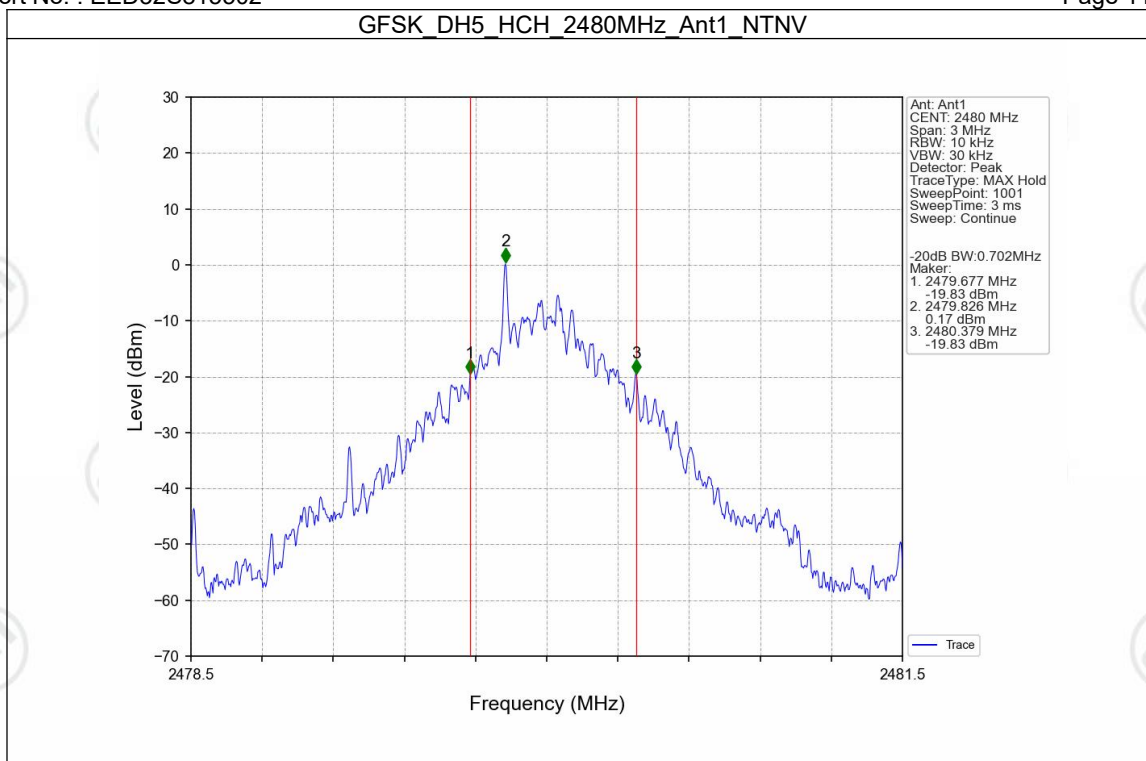
2.2.1 OBW





2.2.2 20dB BW





3. Maximum Conducted Output Power

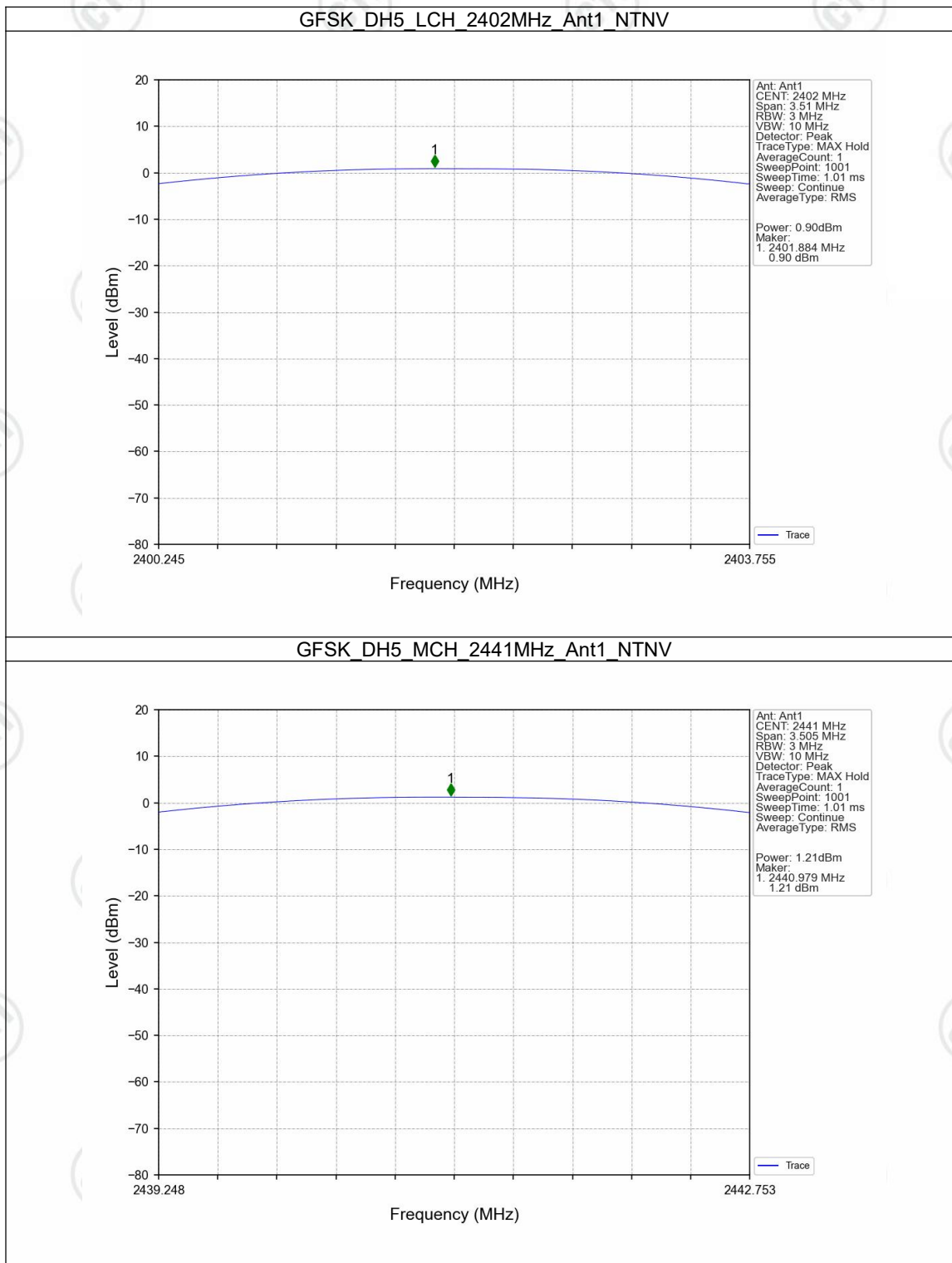
3.1 Test Result

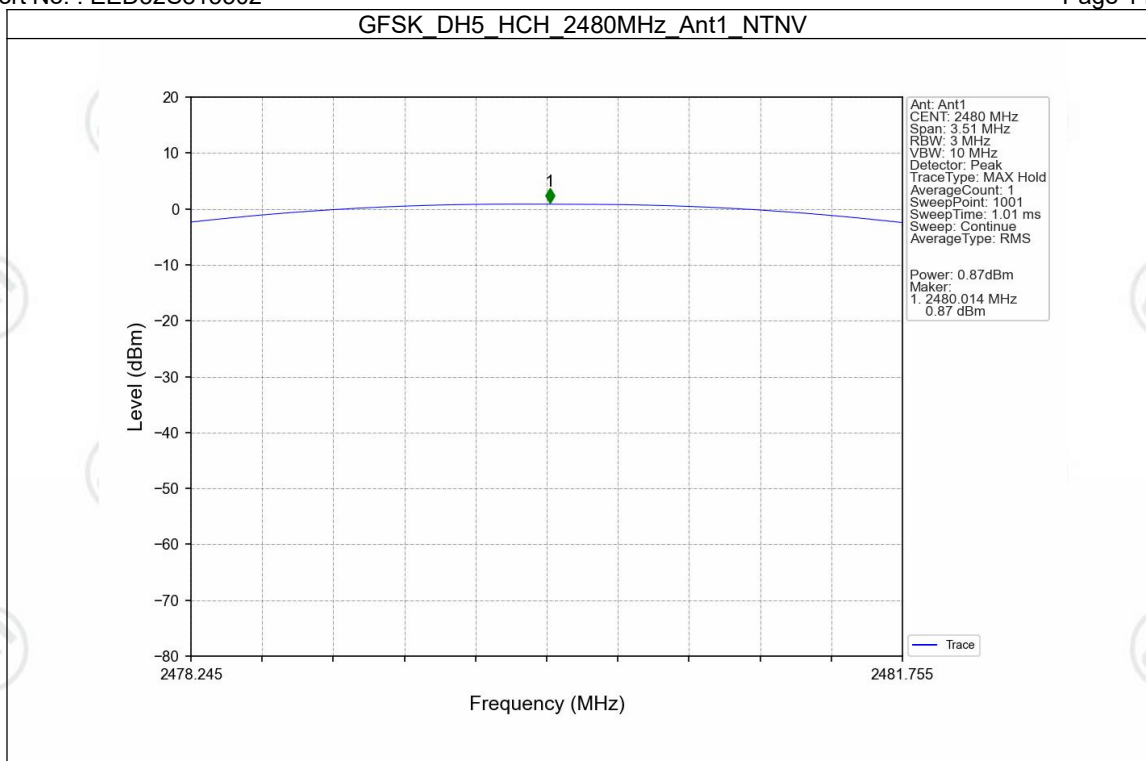
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	0.90	<=30	Pass
		2441	DH5	1.21	<=30	Pass
		2480	DH5	0.87	<=30	Pass
Note1: Antenna Gain: Ant1: 2.58dBi;						

3.2 Test Graph

3.2.1 Power





4. Carrier Frequency Separation

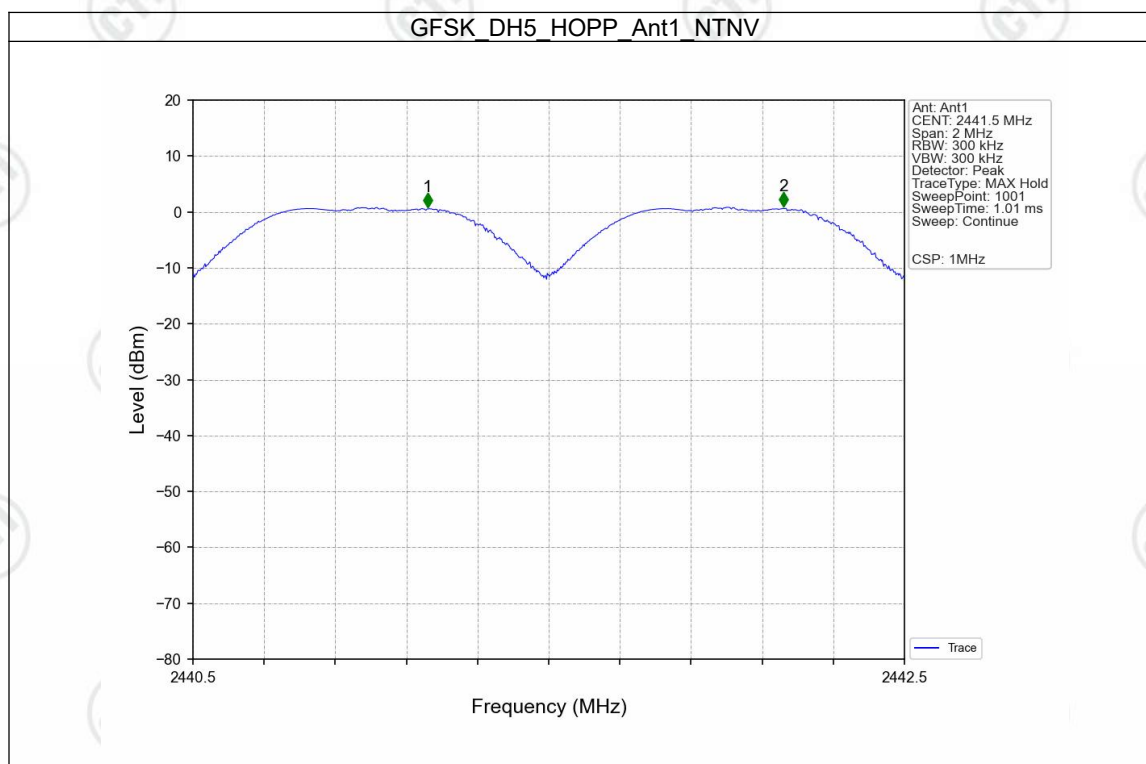
4.1 Test Result

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	1.000	0.702	≥ 0.702	Pass

4.2 Test Graph

4.2.1 Ant1



5. Number of Hopping Frequencies

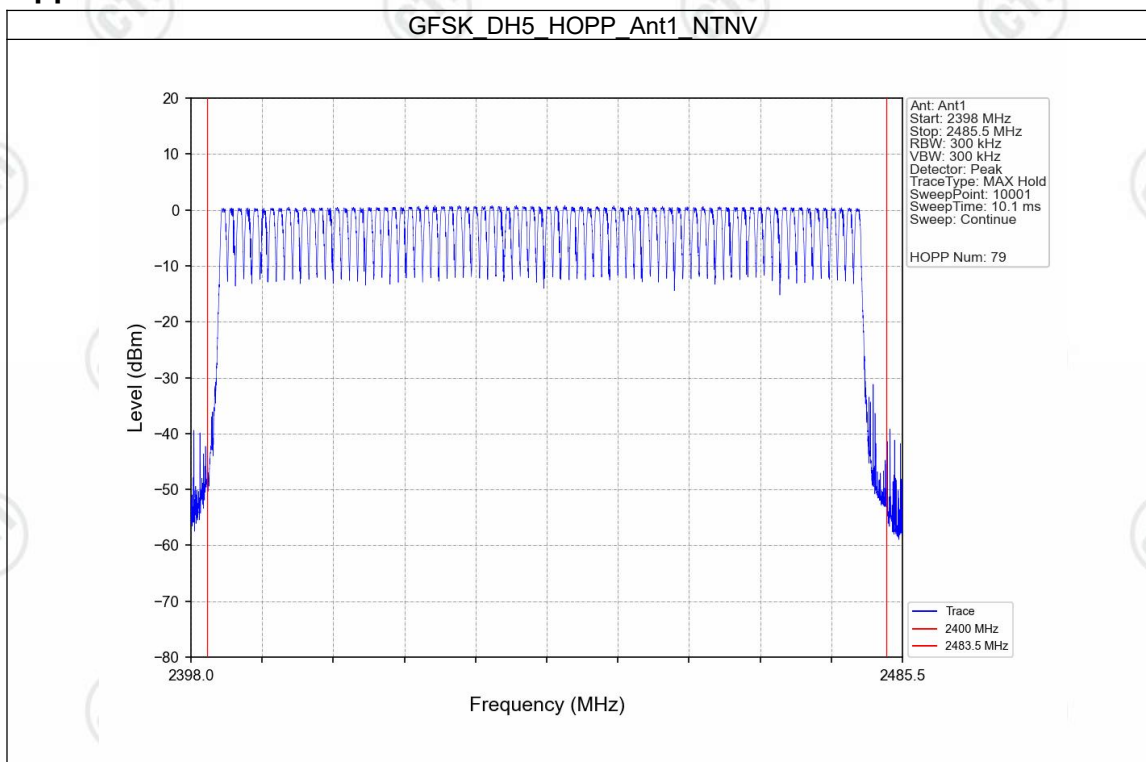
5.1 Test Result

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

5.2 Test Graph

5.2.1 HoppNum



6. Time of Occupancy (Dwell Time)

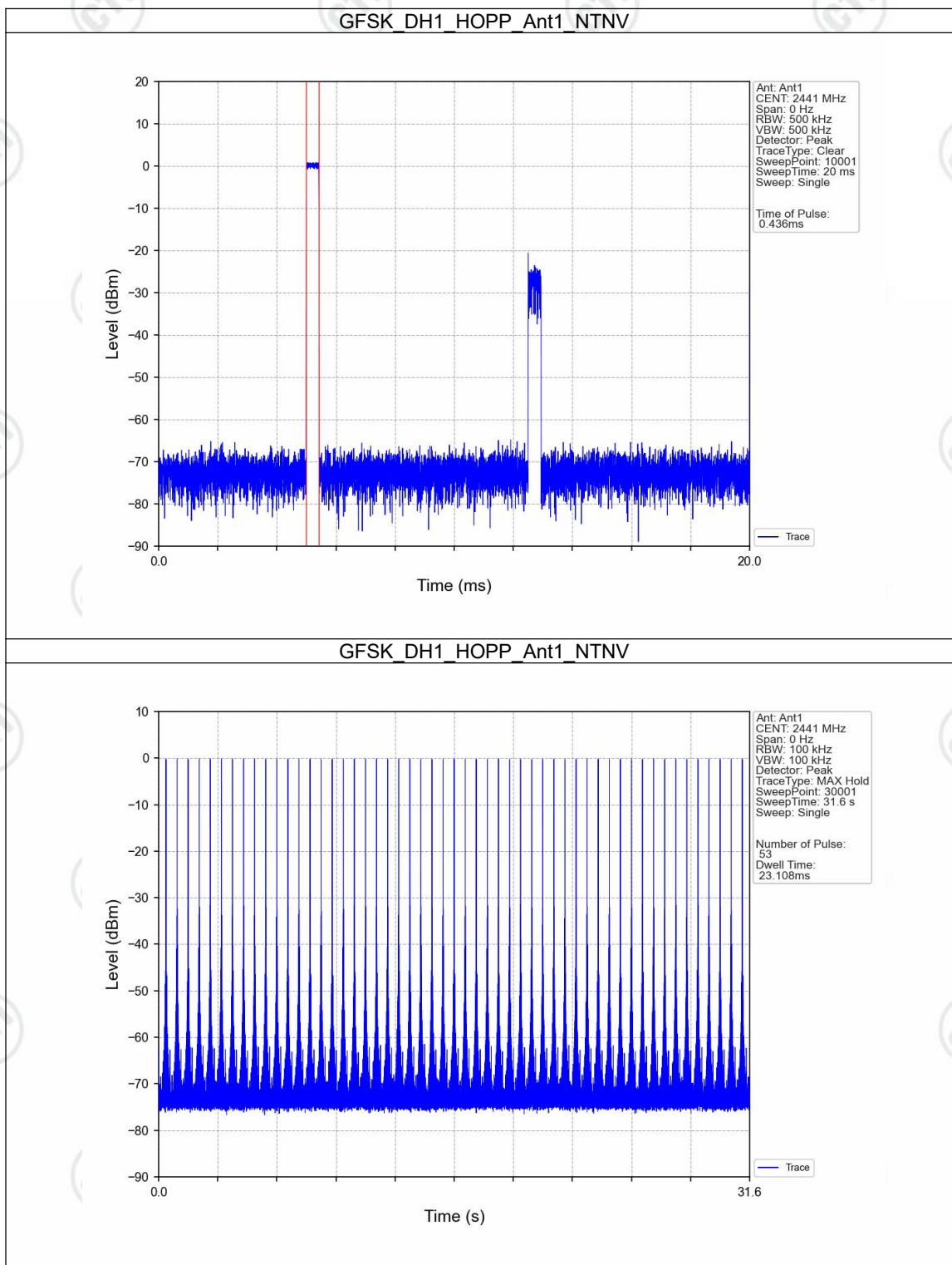
6.1 Test Result

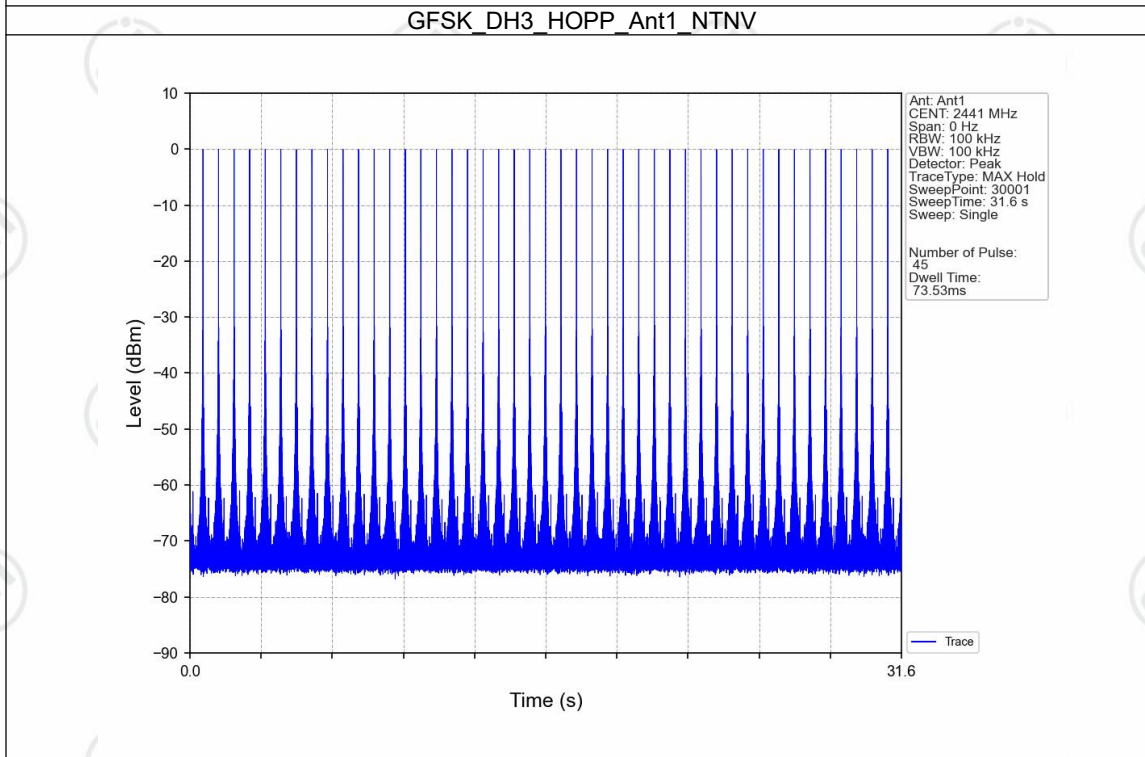
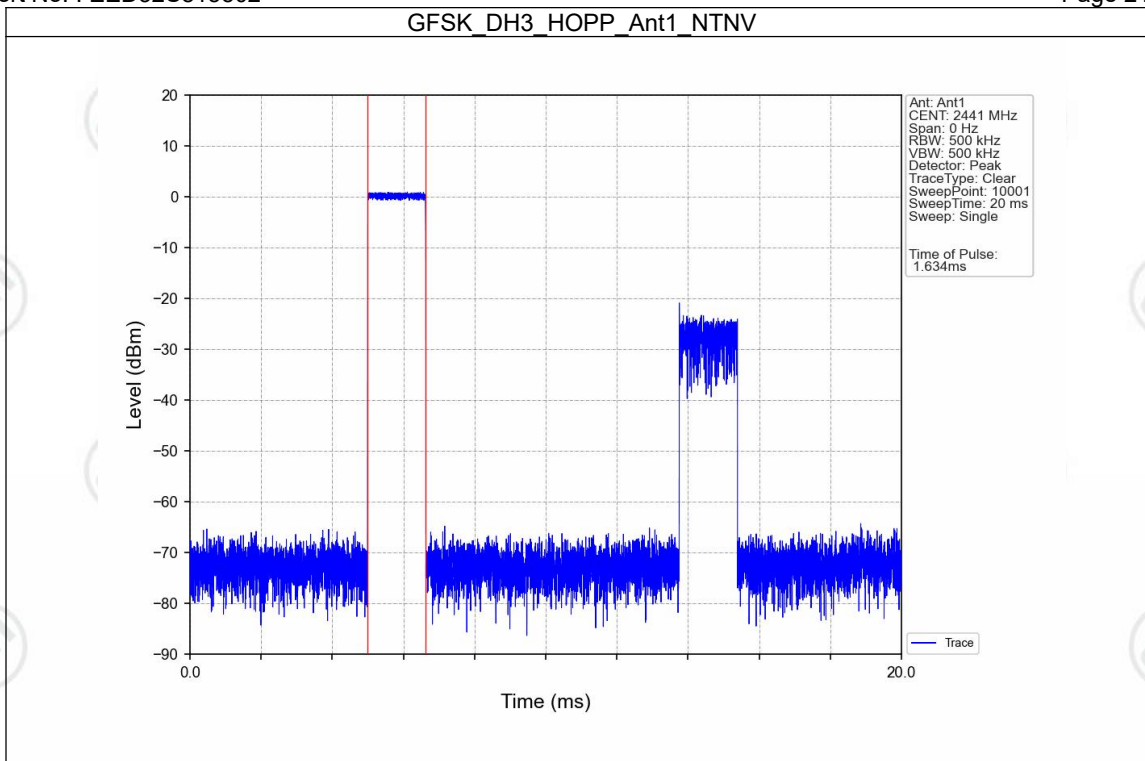
6.1.1 Ant1

Ant1									
Mode	TX Type	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	0.436	31.600	53	23.108	<=400	Pass
			DH3	1.634	31.600	45	73.530	<=400	Pass
			DH5	2.836	31.600	40	113.440	<=400	Pass

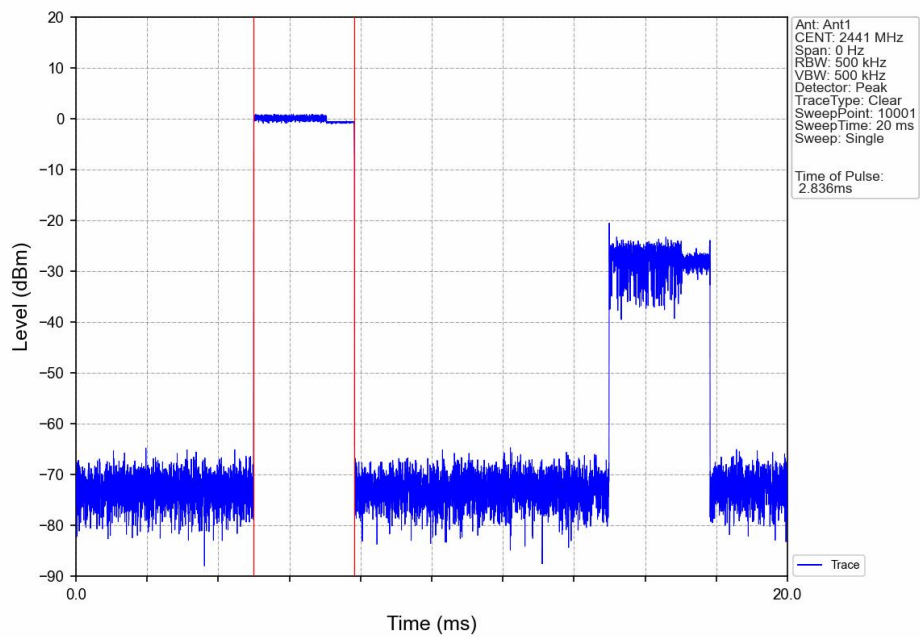
6.2 Test Graph

6.2.1 Ant1

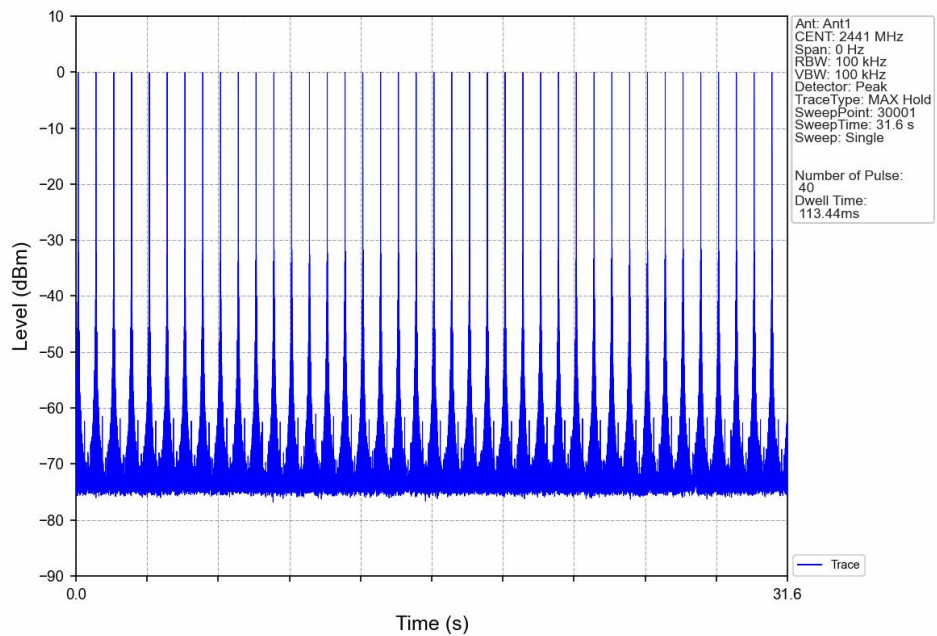




GFSK_DH5_HOPP_Ant1_NTNV



GFSK_DH5_HOPP_Ant1_NTNV



7. Unwanted Emissions In Non-restricted Frequency Bands

7.1 Test Result

7.1.1 Ref

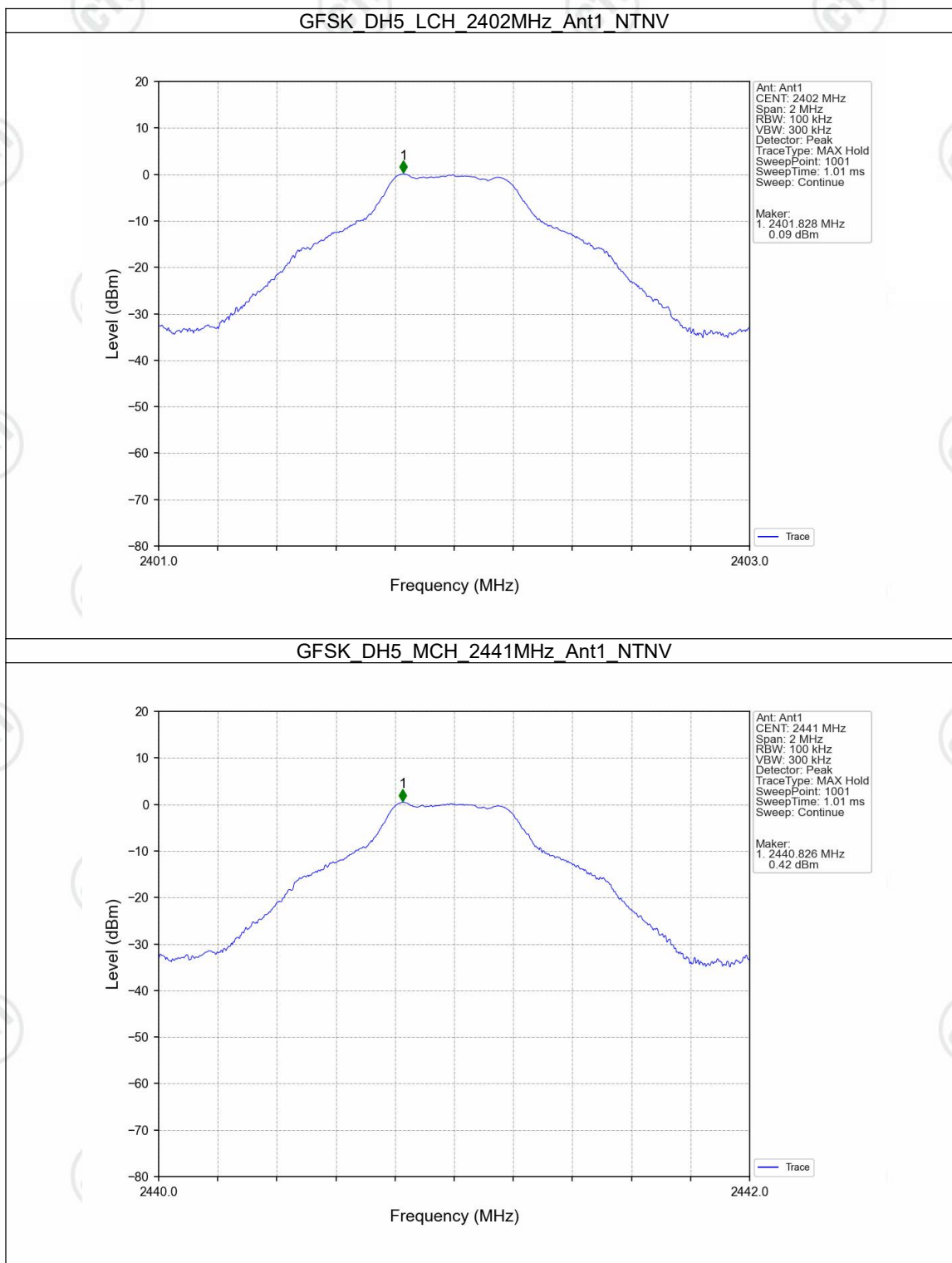
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	0.09
		2441	DH5	1	0.42
		2480	DH5	1	0.07

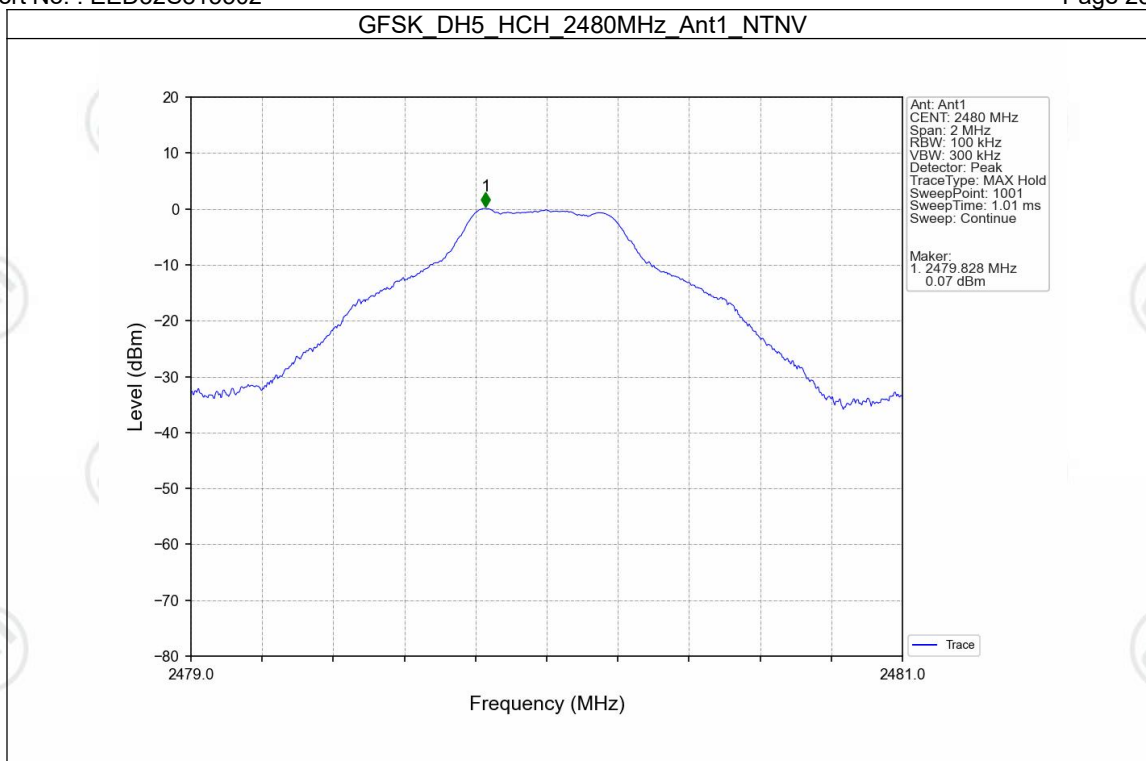
7.1.2 CSE

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	0.09	-19.91	Pass
		2441	DH5	1	0.42	-19.58	Pass
		2480	DH5	1	0.07	-19.93	Pass
		HOPP	DH5	1	0.00	-20.00	Pass
					0.00	-20.00	Pass

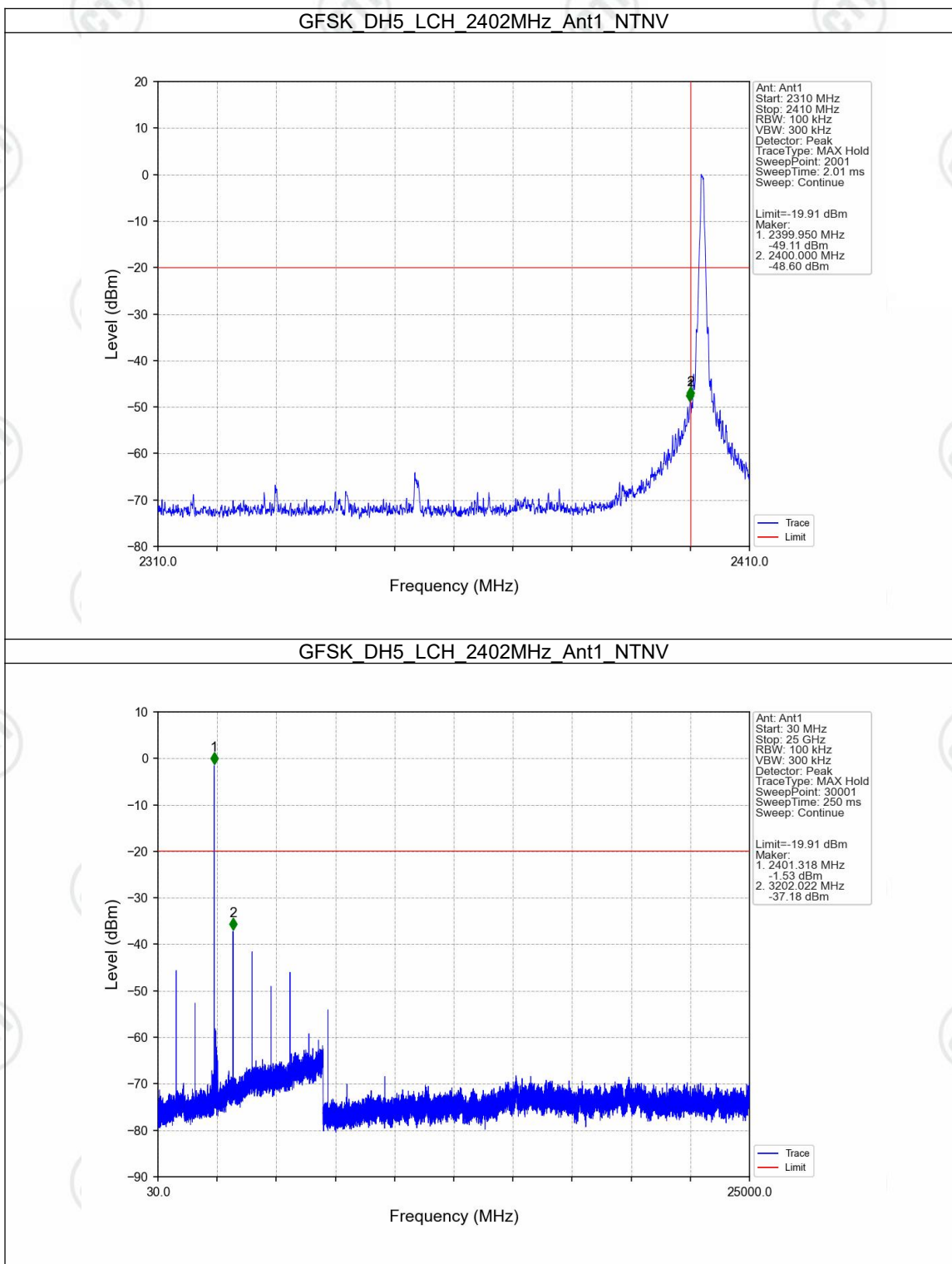
7.2 Test Graph

7.2.1 Ref

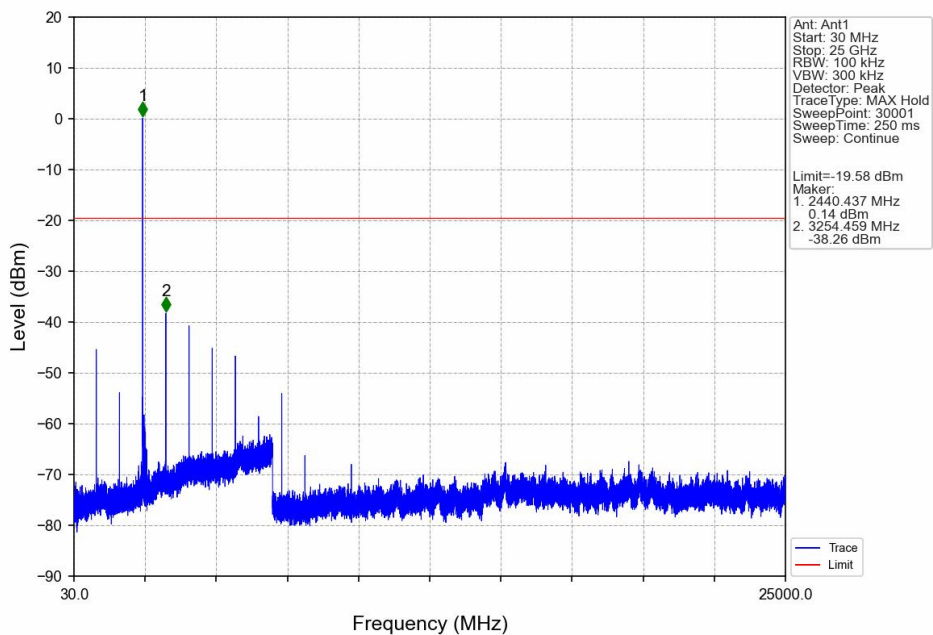




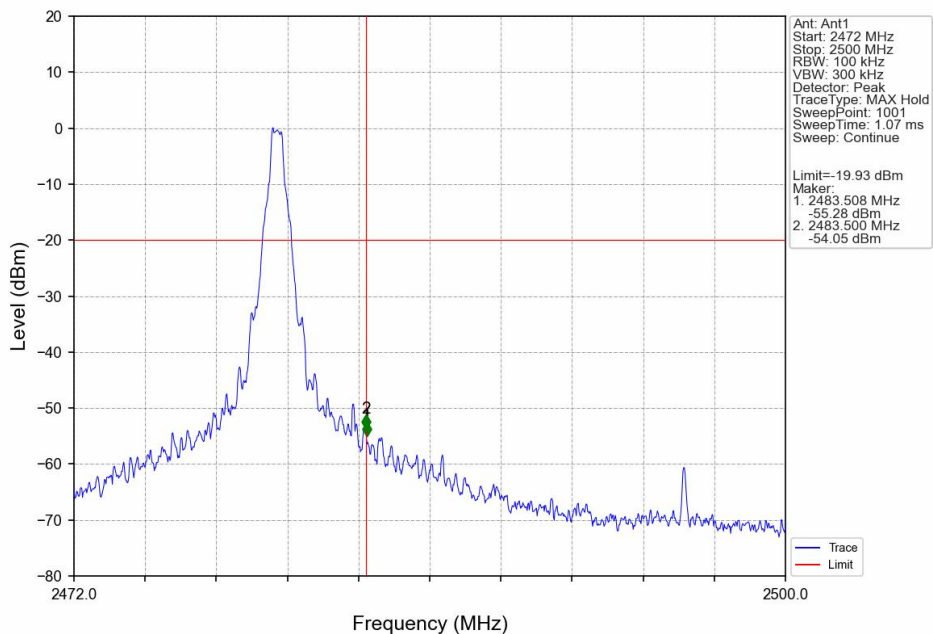
7.2.2 CSE



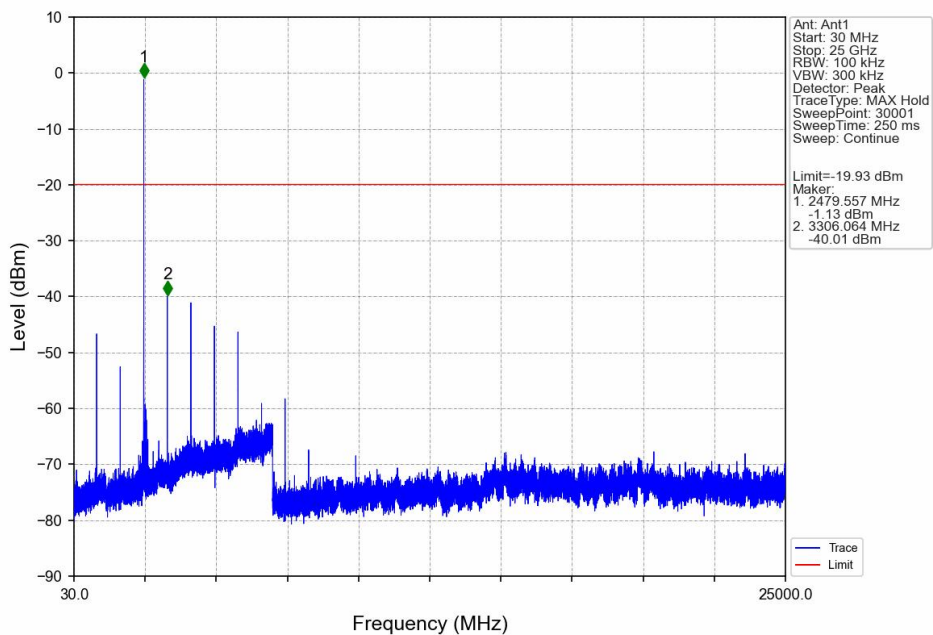
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



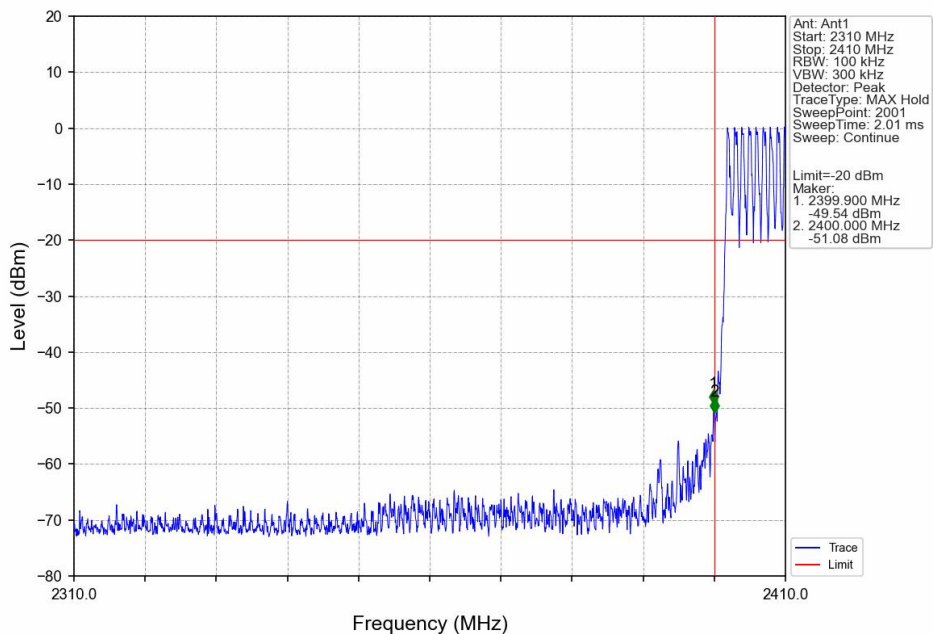
GFSK_DH5_HCH_2480MHz_Ant1_NTNV

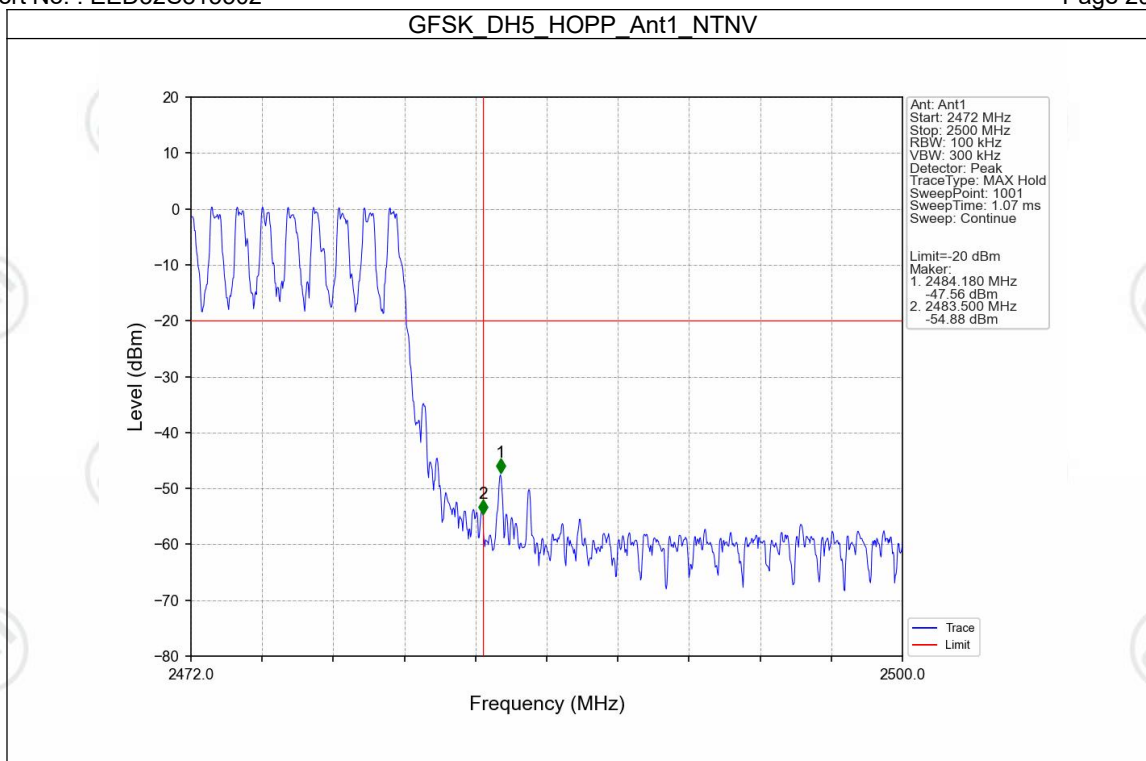


GFSK_DH5_HCH_2480MHz_Ant1_NTNV



GFSK_DH5_HOPP_Ant1_NTNV





*** End of Report ***