

Appendix for 2.4G

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6.1 Test Result 24

6.1.1 Form731 24

1. Duty Cycle

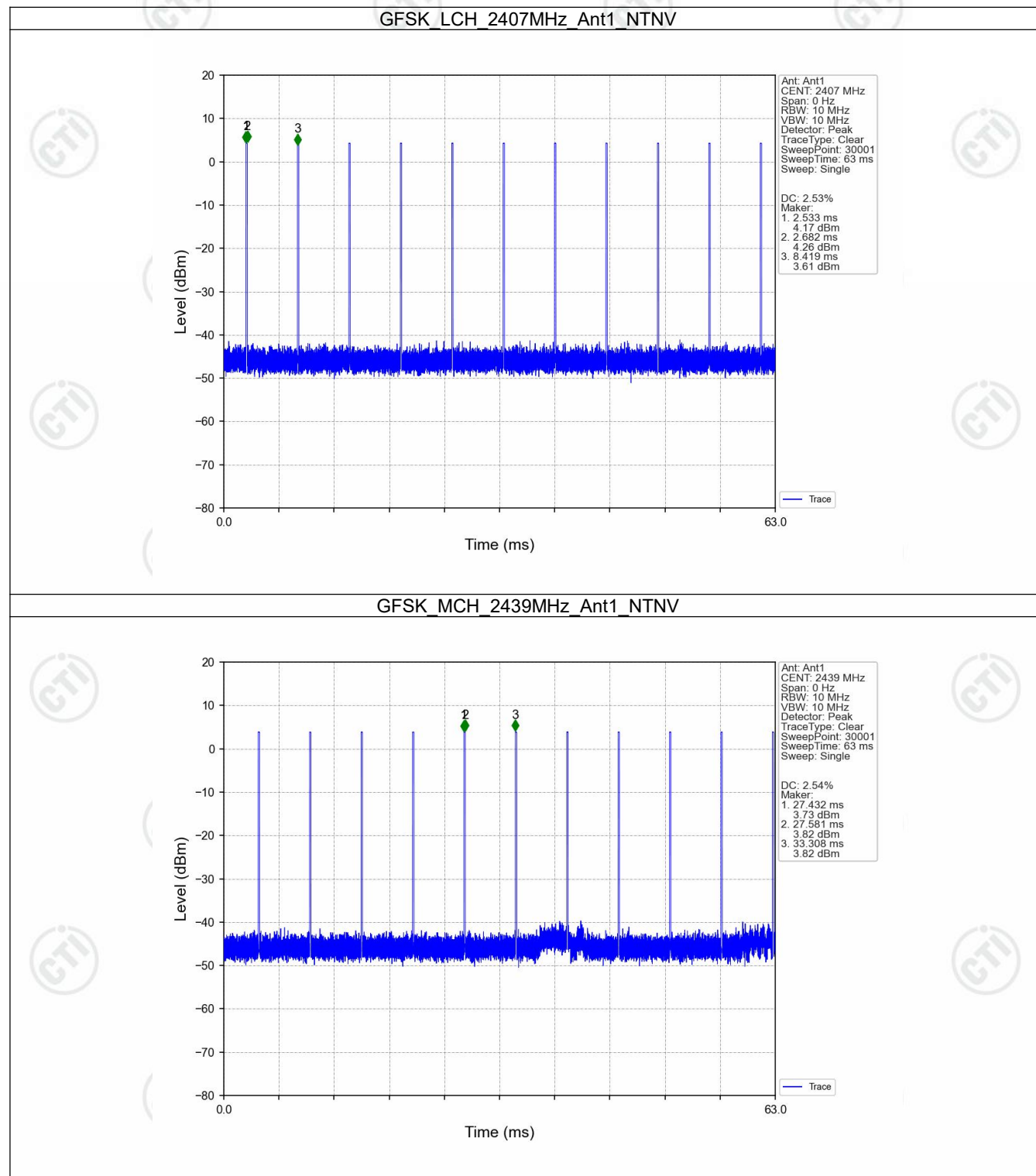
1.1 Test Result

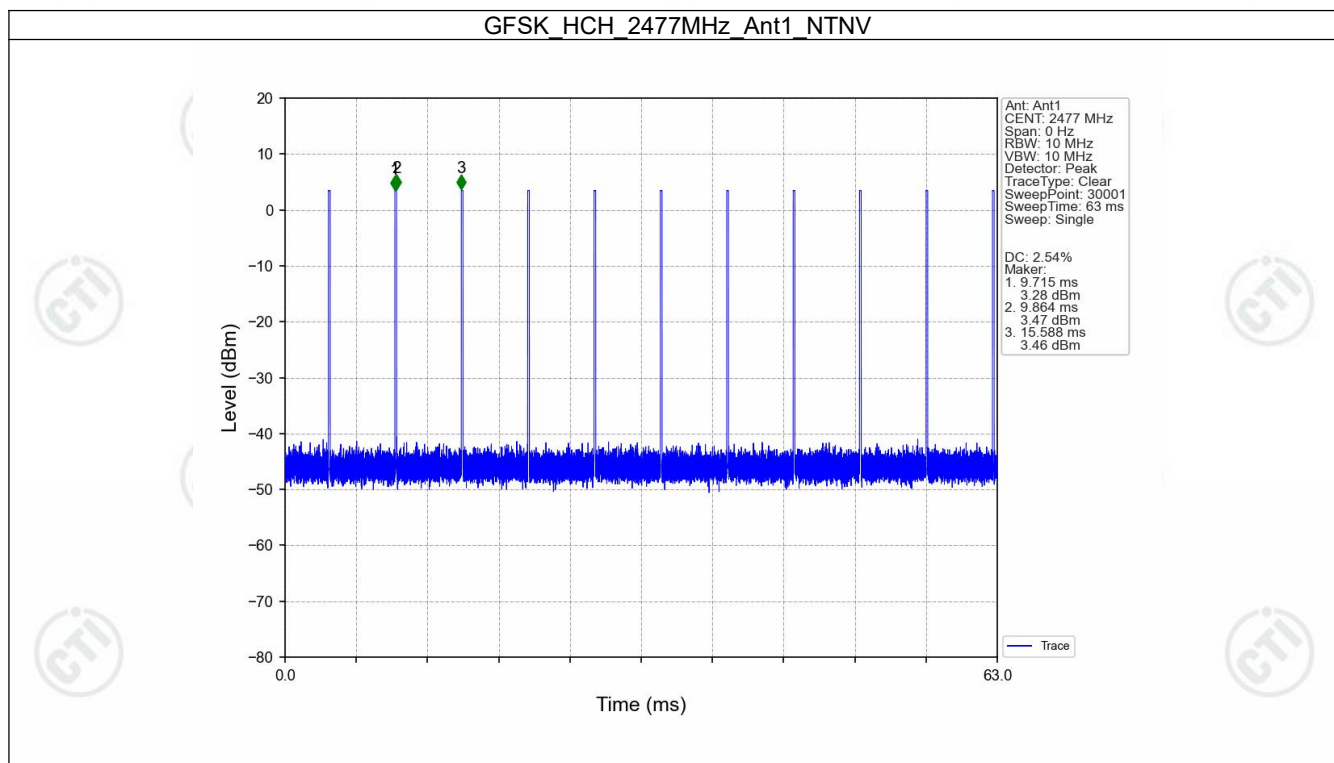
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
GFSK	SISO	2407	0.149	5.886	2.53	15.97	0.04
		2439	0.149	5.876	2.54	15.96	0.04
		2477	0.149	5.873	2.54	15.96	0.03

1.2 Test Graph

1.2.1 Ant1





2. Bandwidth

2.1 Test Result

2.1.1 OBW

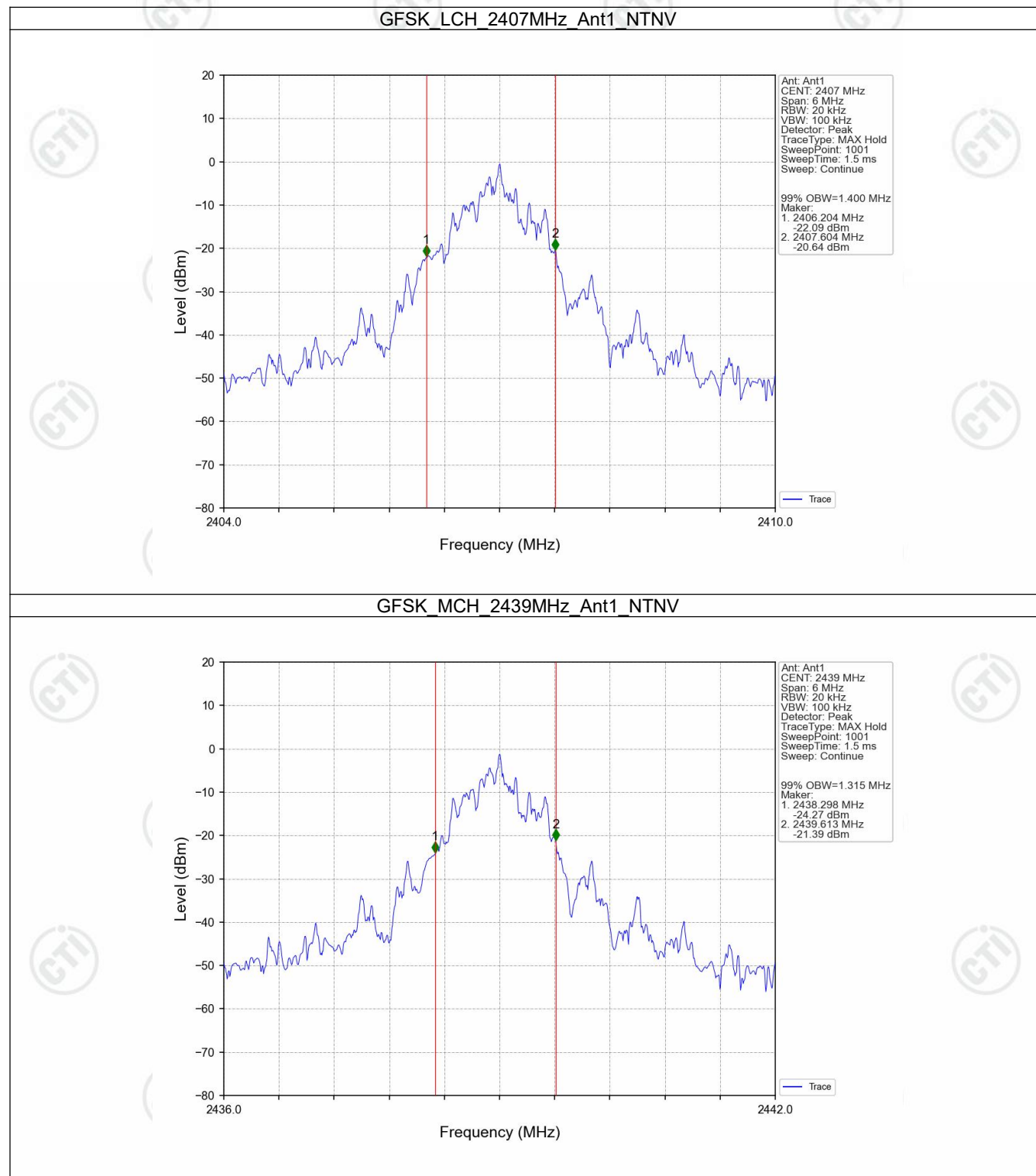
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK	SISO	2407	1	1.400	/	Pass
		2439	1	1.315	/	Pass
		2477	1	1.185	/	Pass

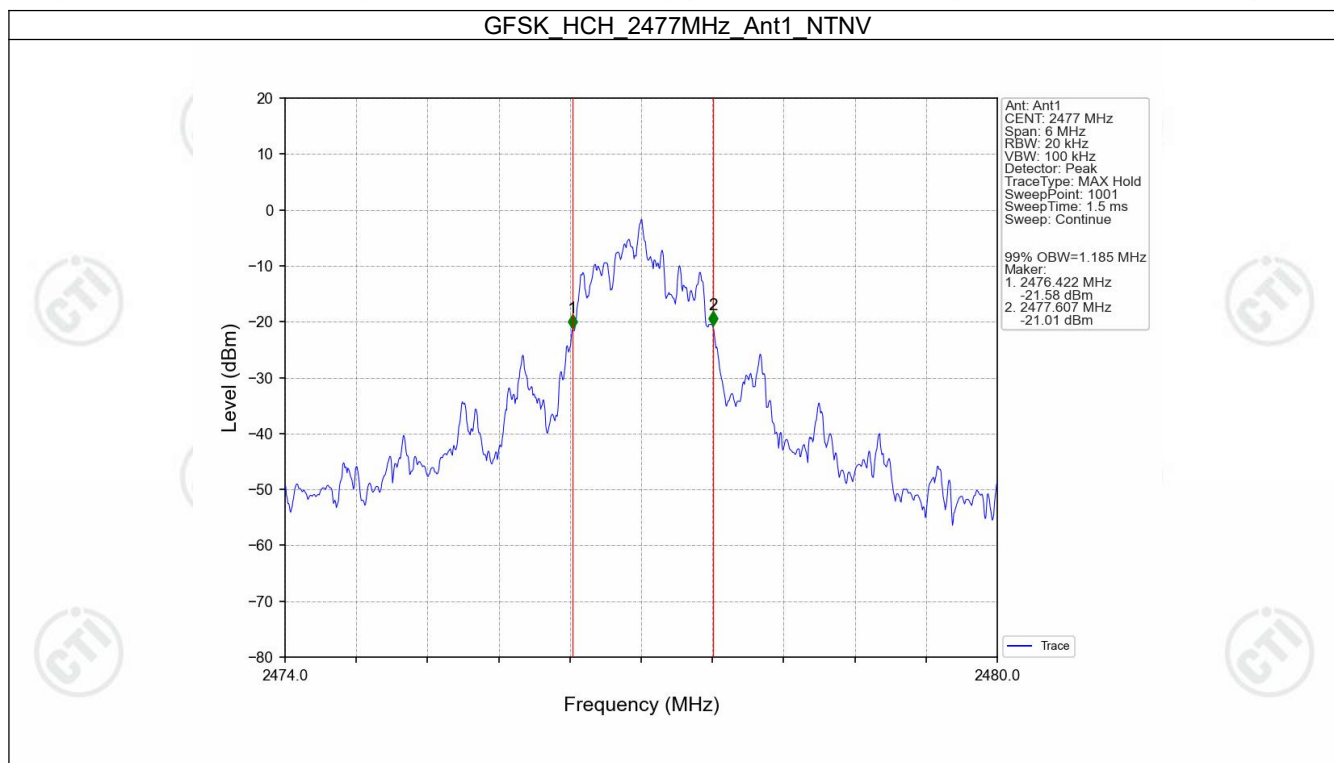
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
GFSK	SISO	2407	1	0.633	≥ 0.5	Pass
		2439	1	0.708	≥ 0.5	Pass
		2477	1	0.740	≥ 0.5	Pass

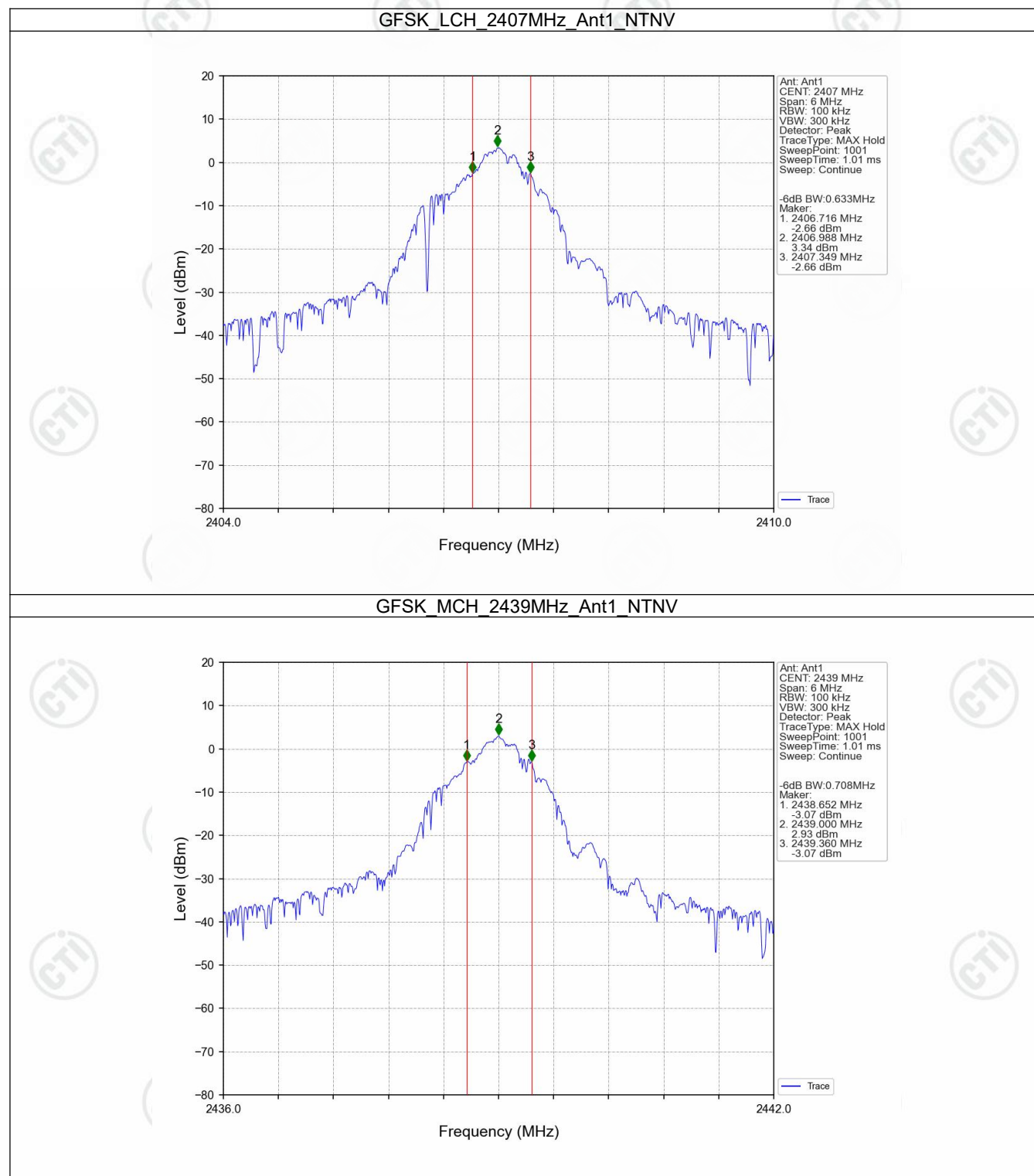
2.2 Test Graph

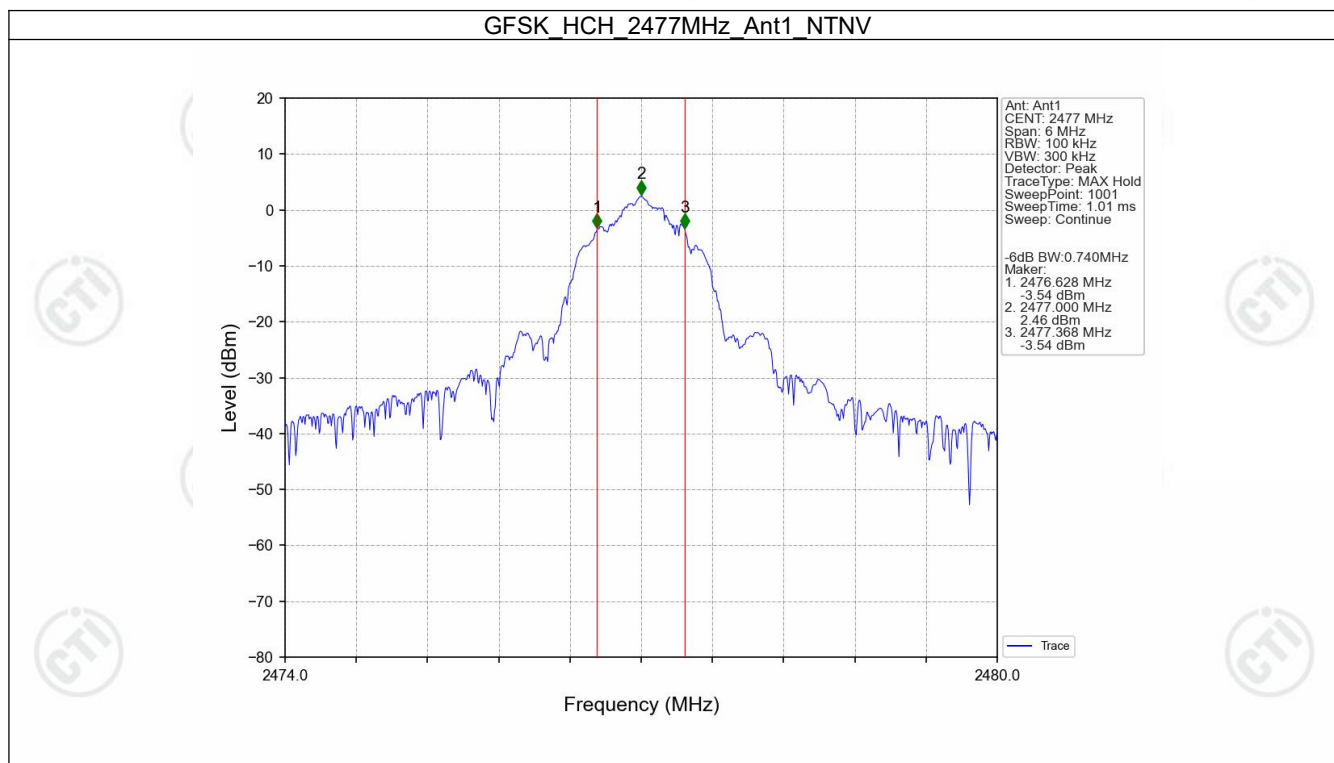
2.2.1 OBW





2.2.2 6dB BW





3. Maximum Conducted Output Power

3.1 Test Result

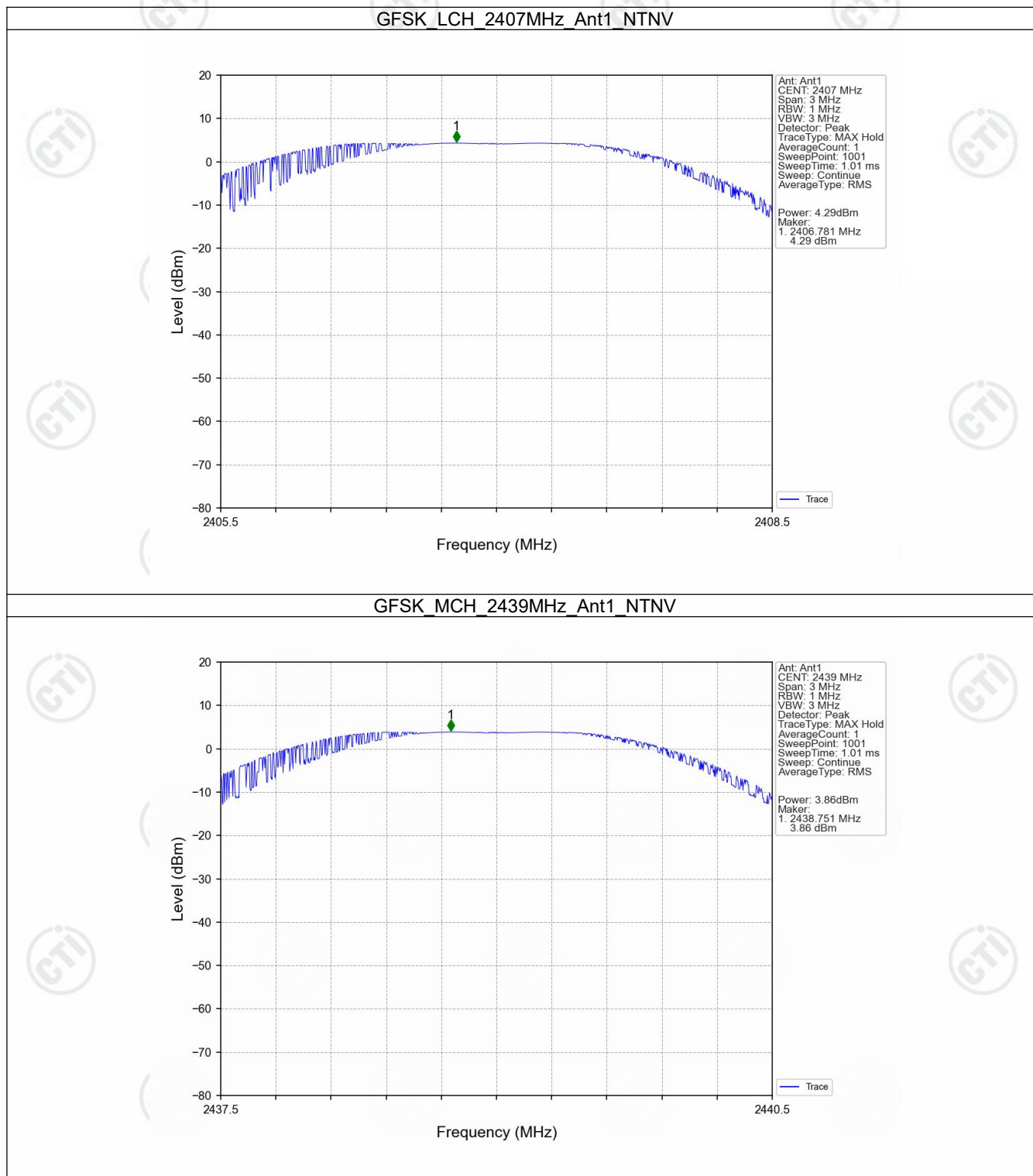
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
GFSK	SISO	2407	4.29	≤ 30	Pass
		2439	3.86	≤ 30	Pass
		2477	3.50	≤ 30	Pass

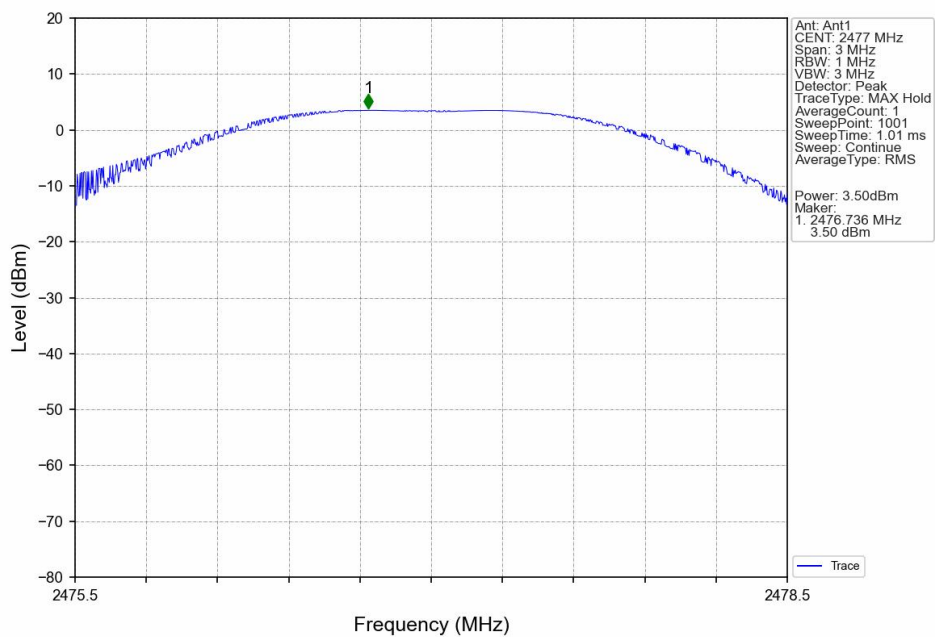
Note1: Antenna Gain: Ant1: -1.02dBi;

3.2 Test Graph

3.2.1 Power



GFSK_HCH_2477MHz_Ant1_NTNV



4. Maximum Power Spectral Density

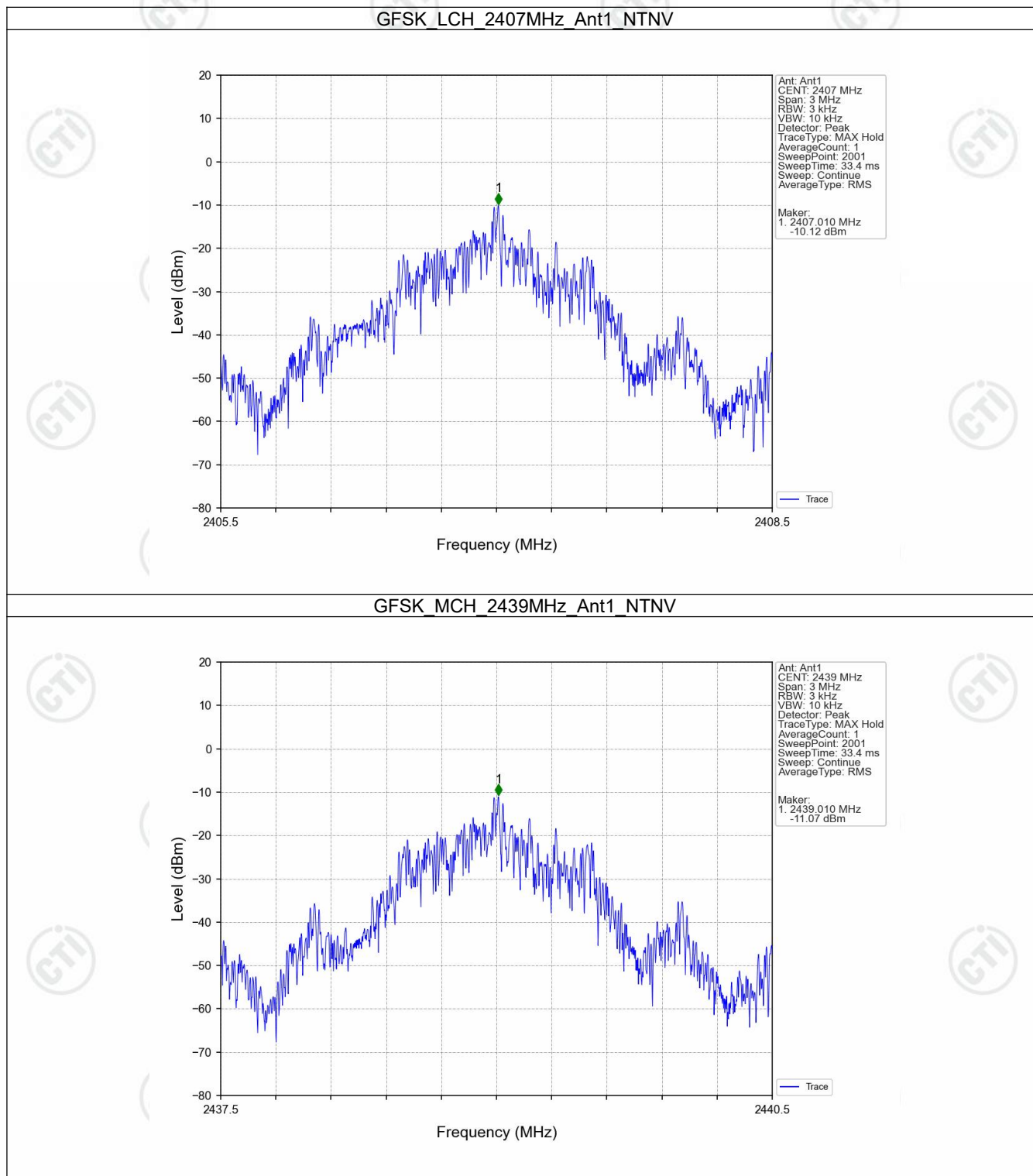
4.1 Test Result

4.1.1 PSD

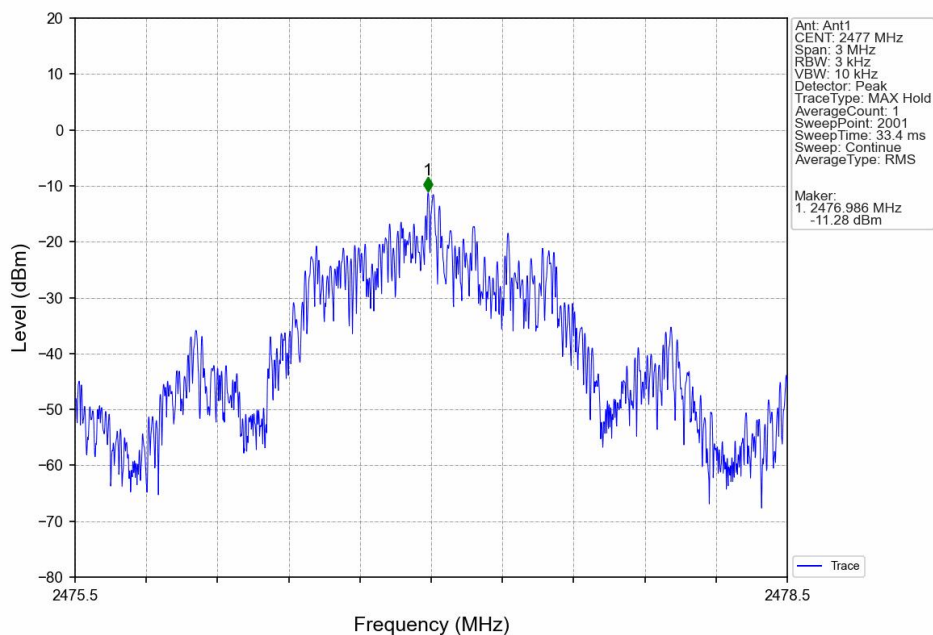
Mode	TX Type	Frequency (MHz)	Maximum PSD		Verdict
			ANT1	Limit(dBm/3kHz)	
GFSK	SISO	2407	-10.12dBm/3kHz	<=8	Pass
		2439	-11.07dBm/3kHz	<=8	Pass
		2477	-11.28dBm/3kHz	<=8	Pass
Note1: Antenna Gain: Ant1: -1.02dBi:					

4.2 Test Graph

4.2.1 PSD



GFSK_HCH_2477MHz_Ant1_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

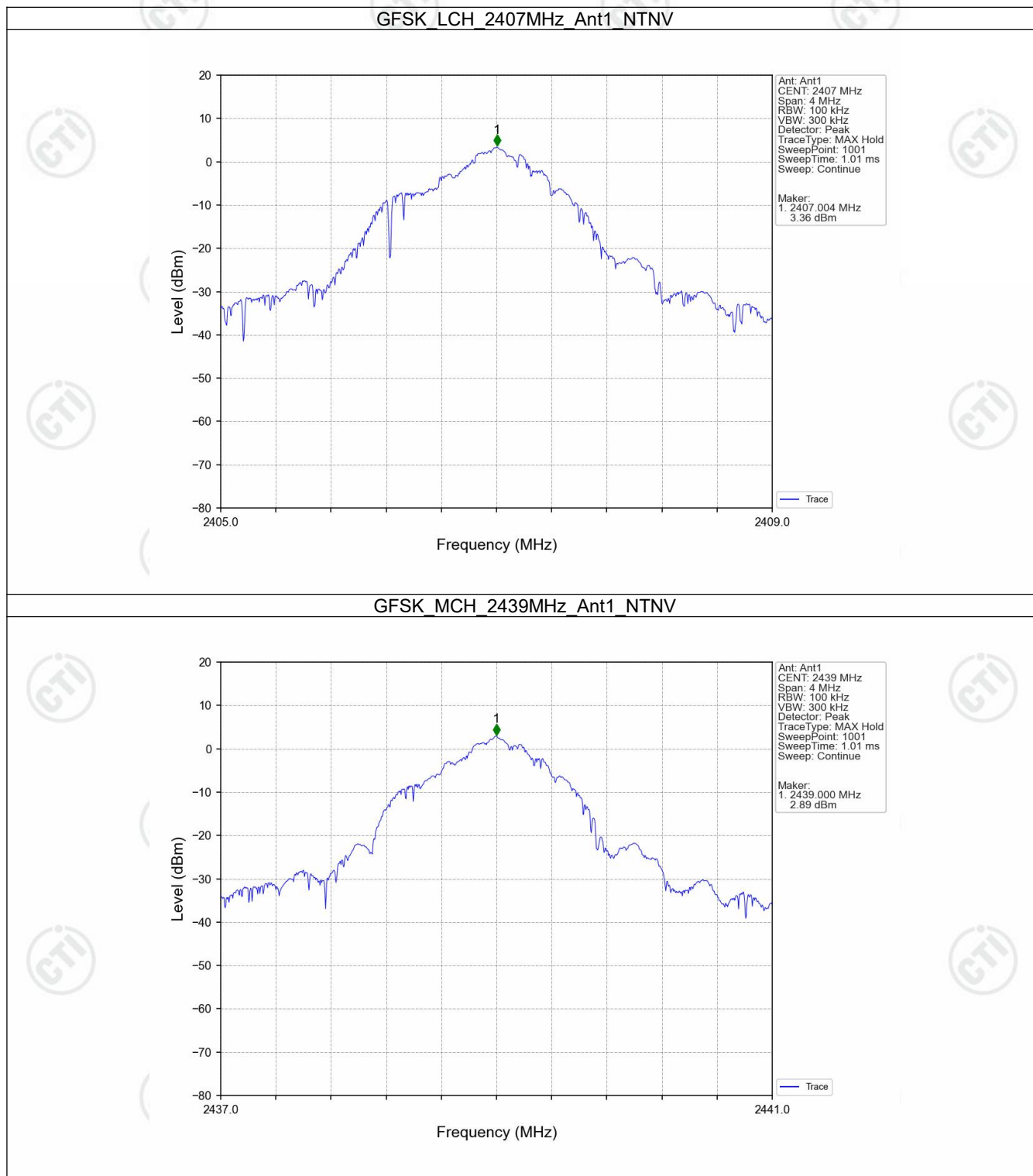
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
GFSK	SISO	2407	1	3.36
		2439	1	2.89
		2477	1	2.46

5.1.2 CSE

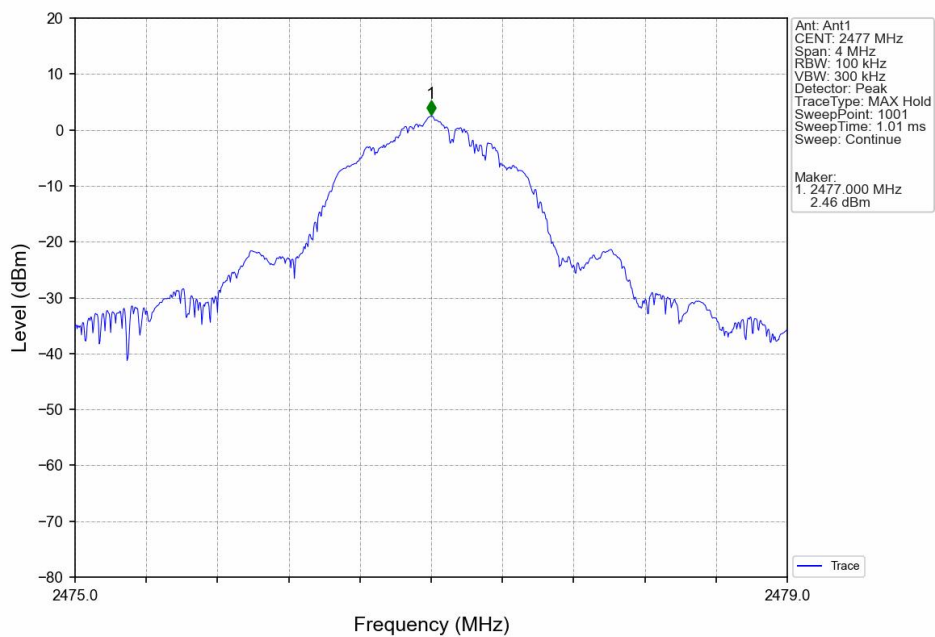
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2407	1	3.36	-16.64	Pass
		2439	1	2.89	-17.11	Pass
		2477	1	2.46	-17.54	Pass

5.2 Test Graph

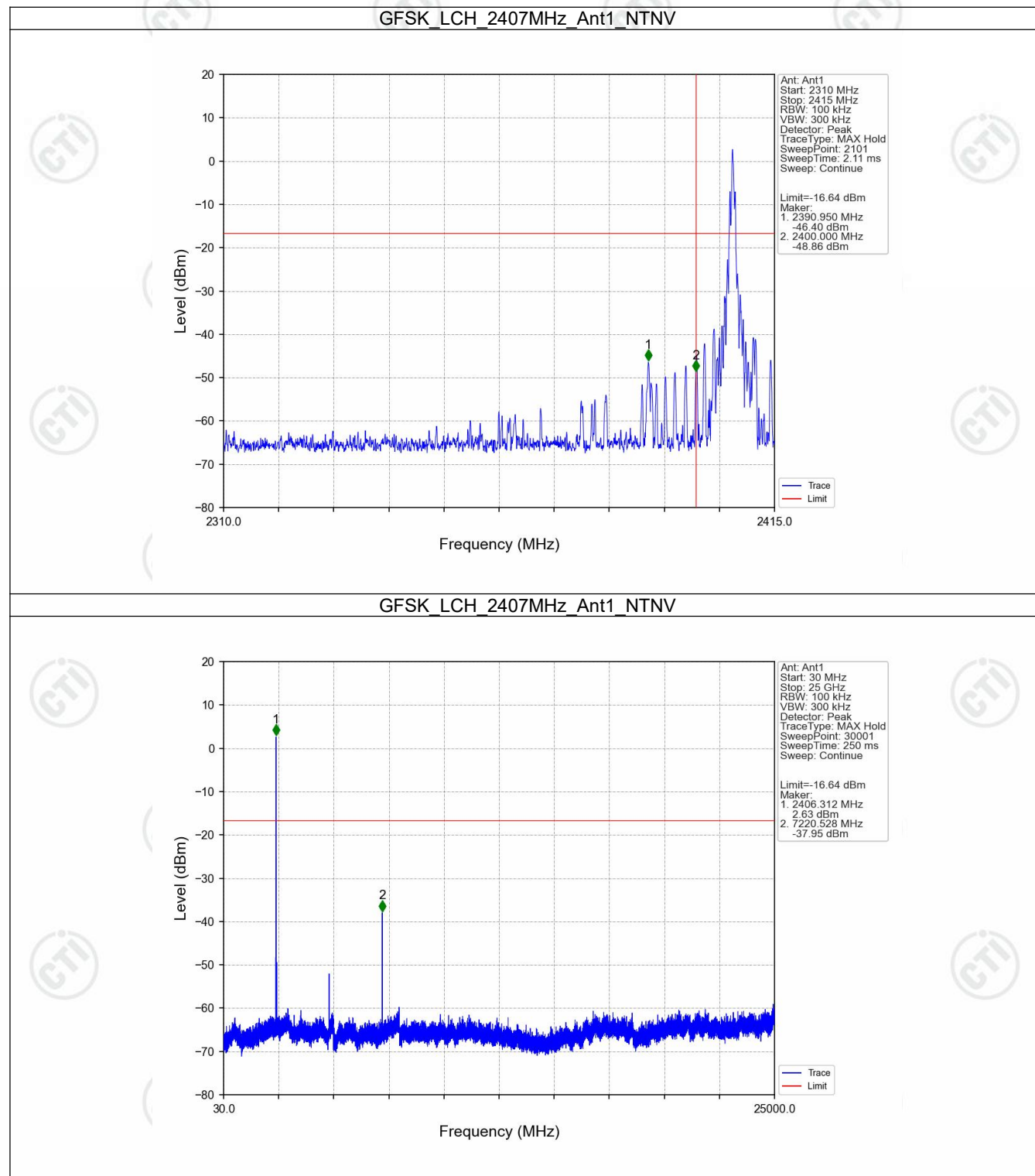
5.2.1 Ref



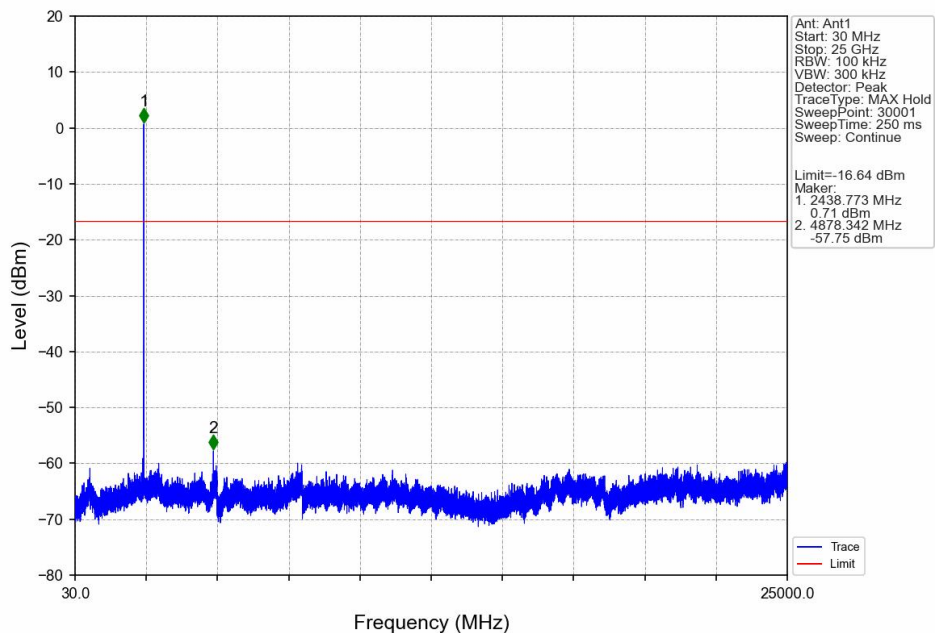
GFSK_HCH_2477MHz_Ant1_NTNV



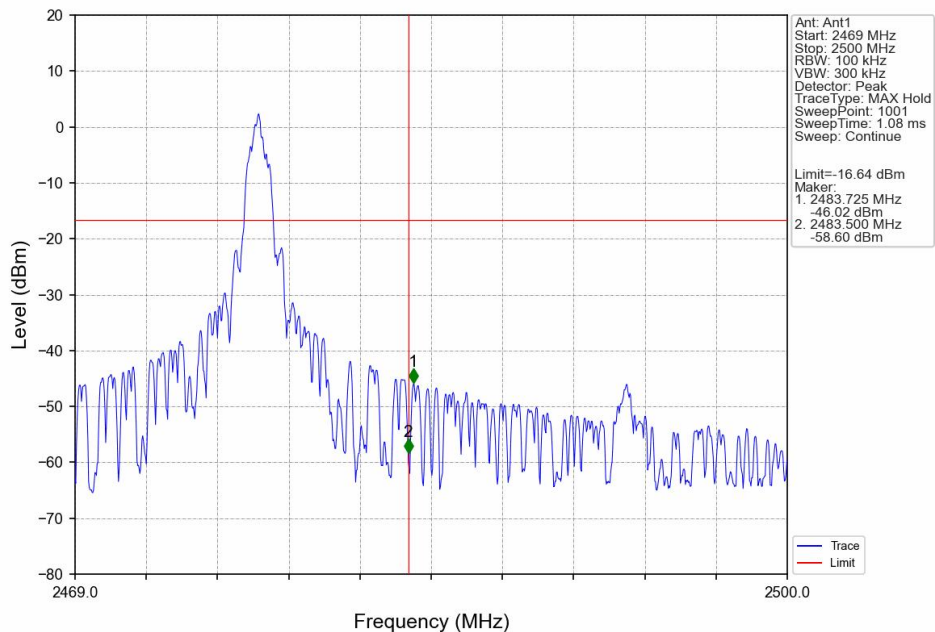
5.2.2 CSE

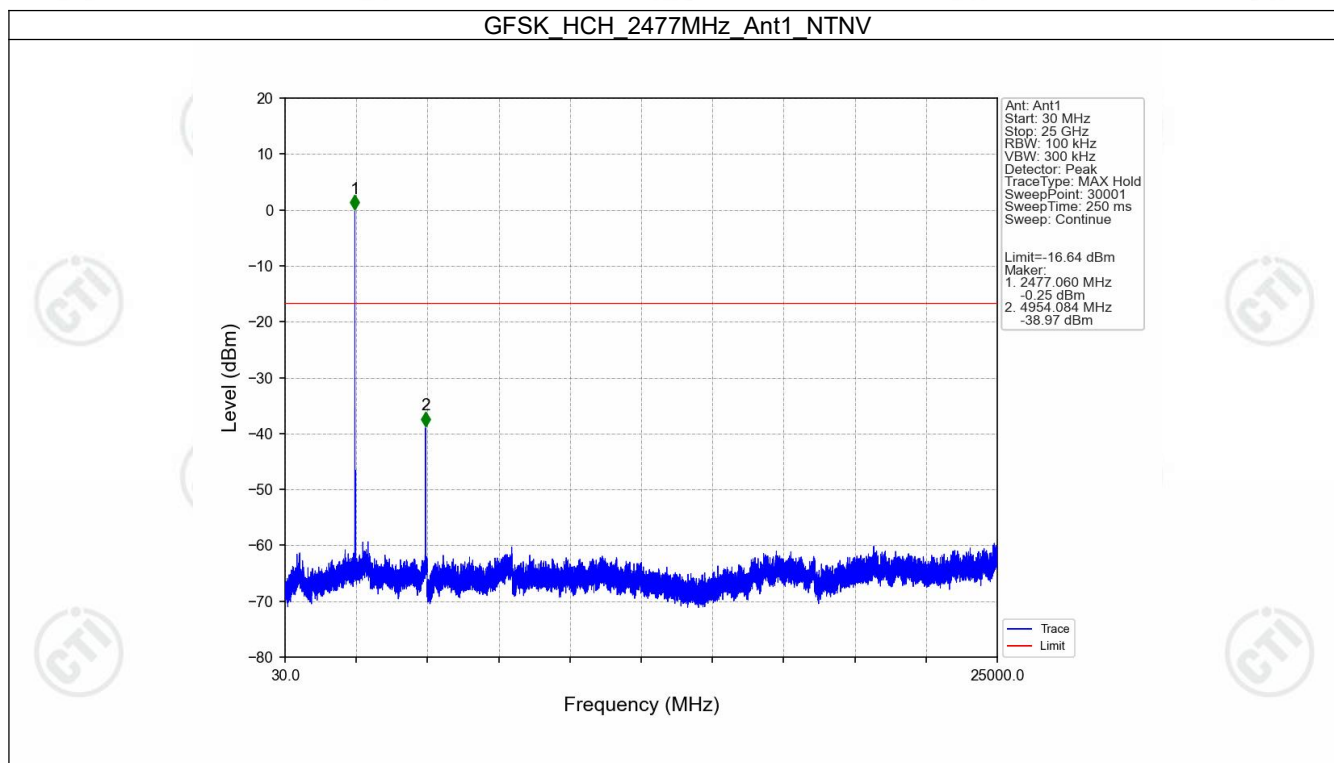


GFSK_MCH_2439MHz_Ant1_NTNV



GFSK_HCH_2477MHz_Ant1_NTNV





6. Form731

6.1 Test Result

6.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2407	2477	0.0027	4.29

*** End of Report ***