

Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Strip lights for Nightstand

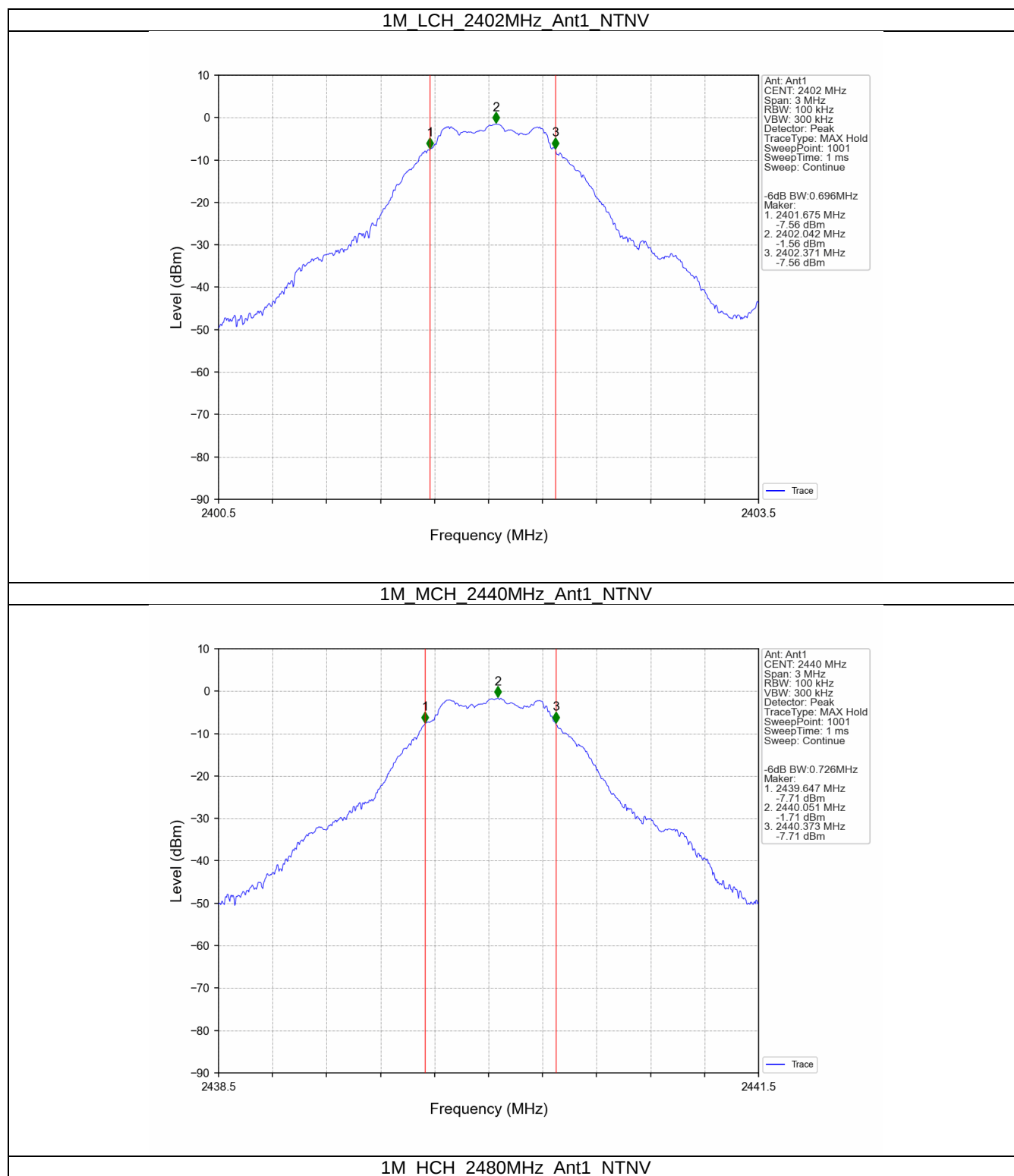
Test Model: LGS301BH01S

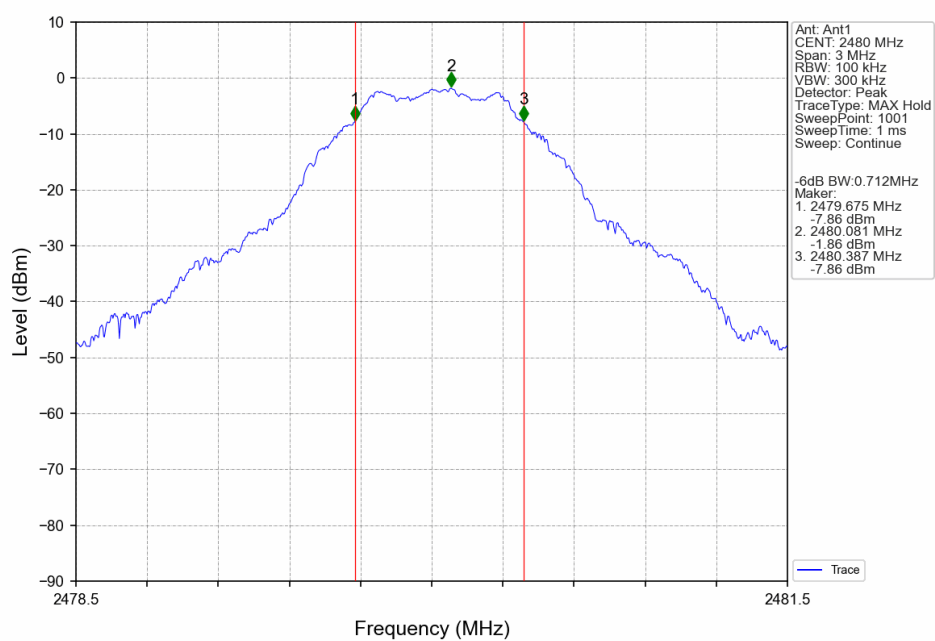
Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Suichao Lai
Supervised by:	Yan Chen

A.1 -6dB Bandwidth

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.696	≥ 0.5	Pass
		2440	1	0.726	≥ 0.5	Pass
		2480	1	0.712	≥ 0.5	Pass

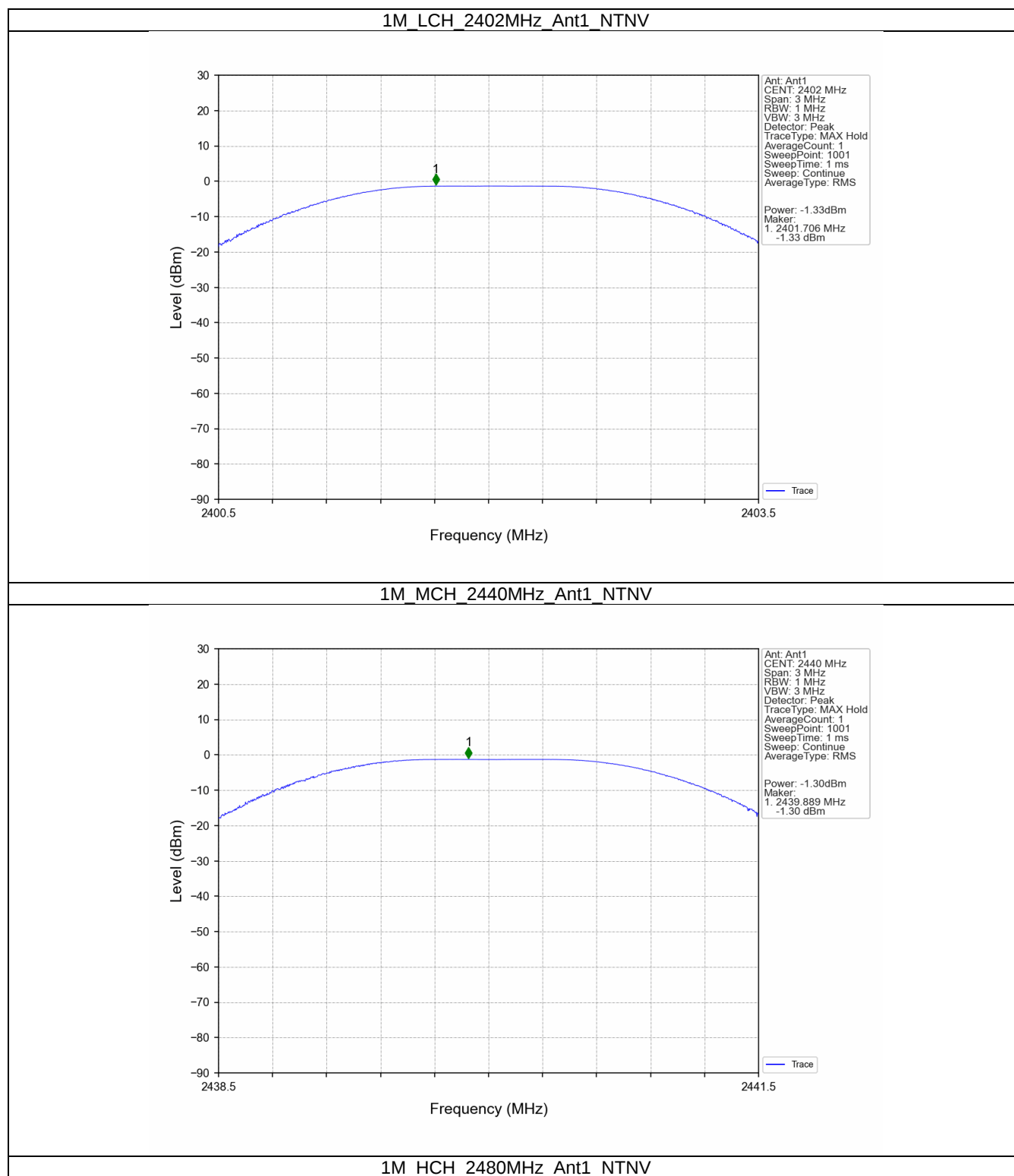
6dB BW

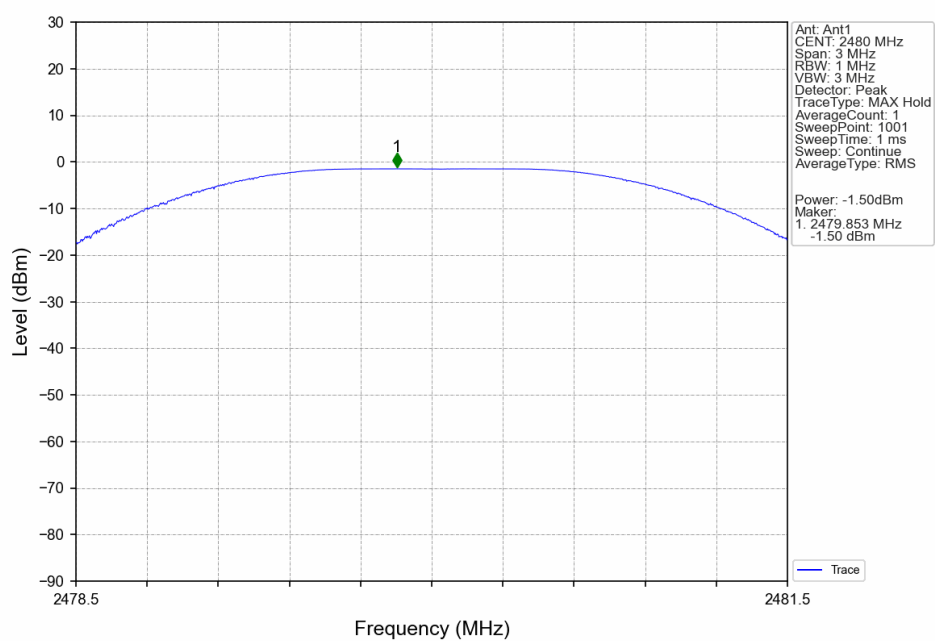


A.2 Maximum Peak Conducted Output Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-1.33	<=30	Pass
		2440	-1.30	<=30	Pass
		2480	-1.50	<=30	Pass

Power

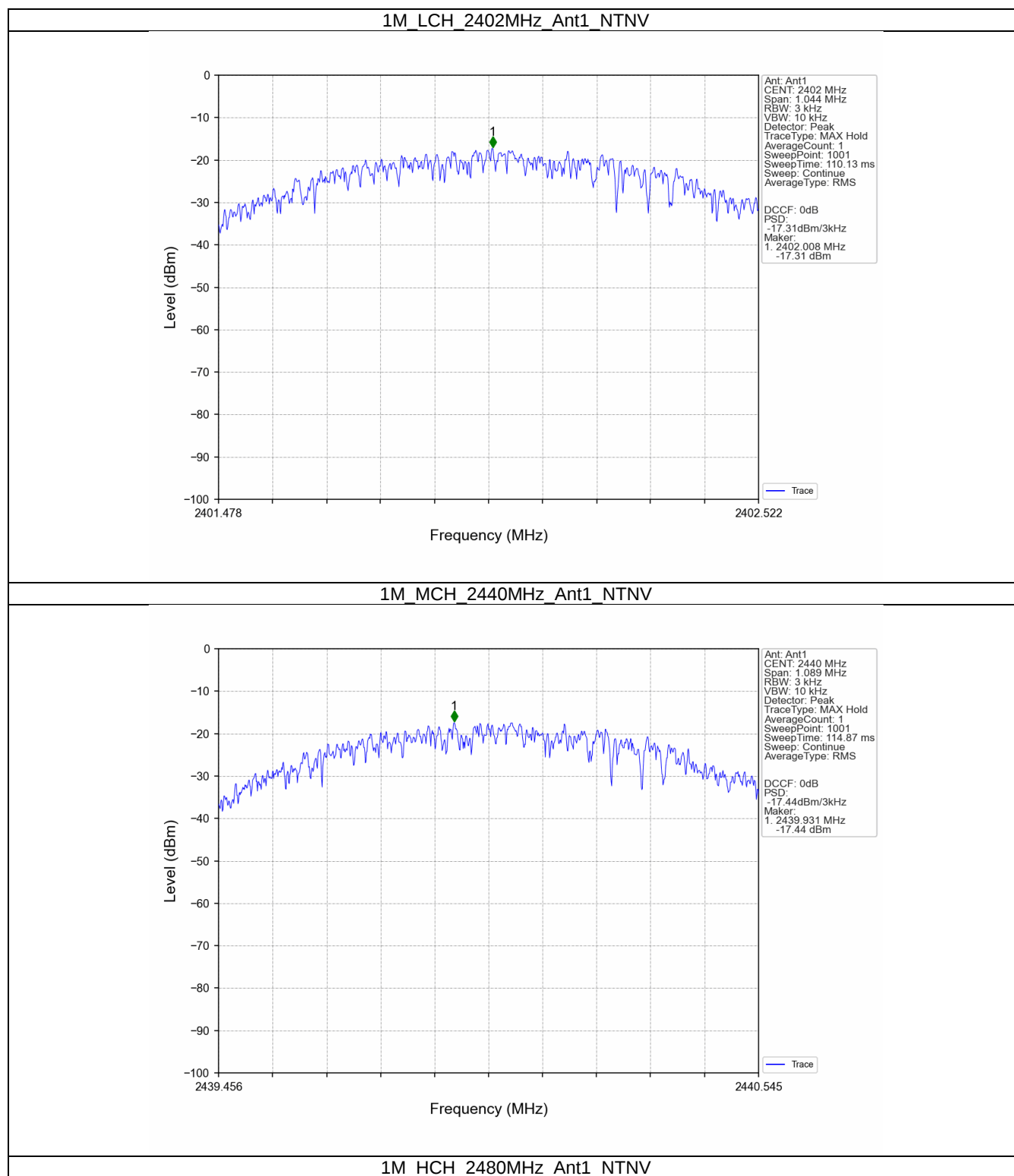


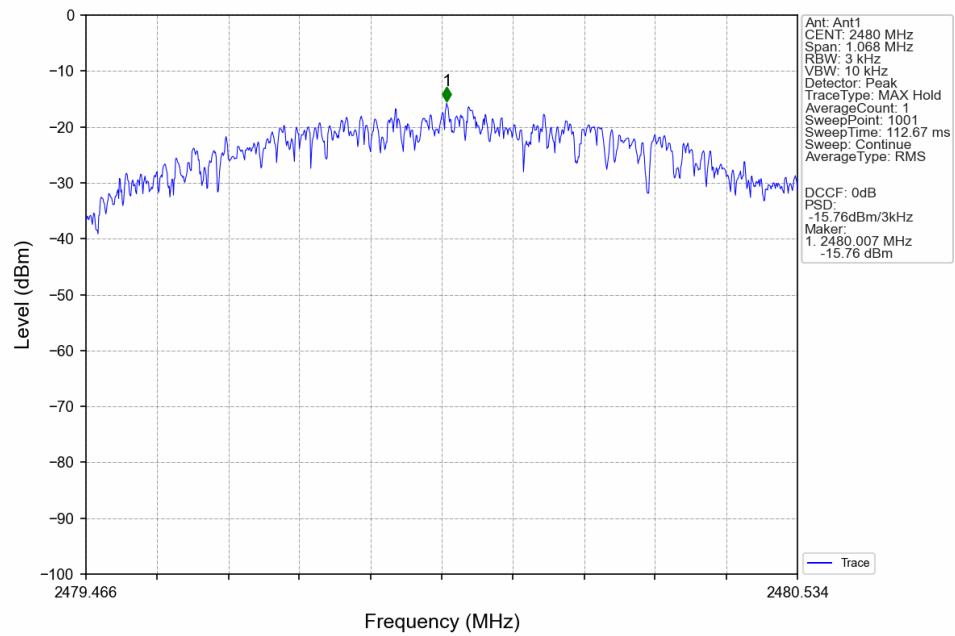


A.3 Maximum Power Spectral Density Level

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-17.31	<=8	Pass
		2440	-17.44	<=8	Pass
		2480	-15.76	<=8	Pass

PSD



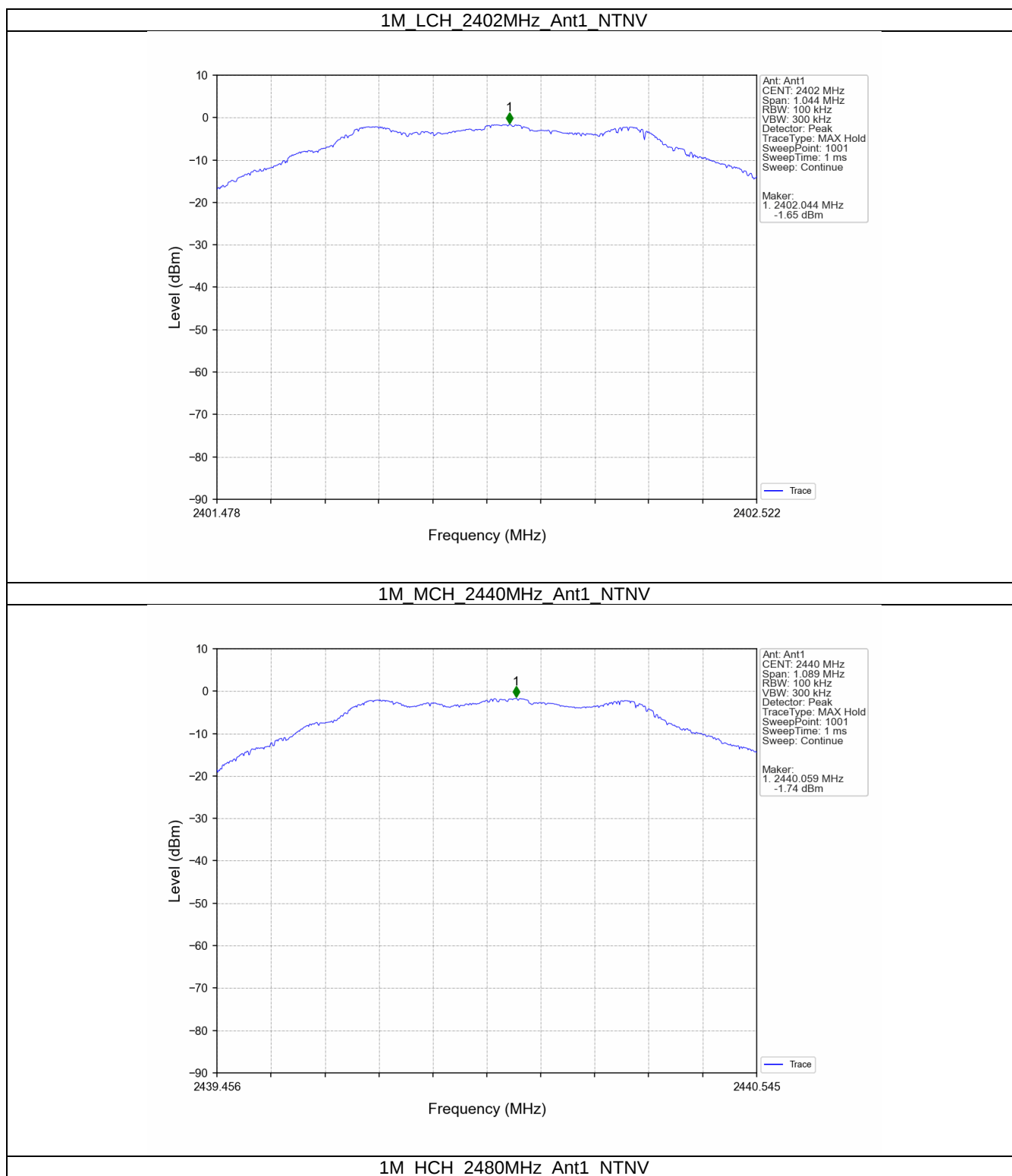


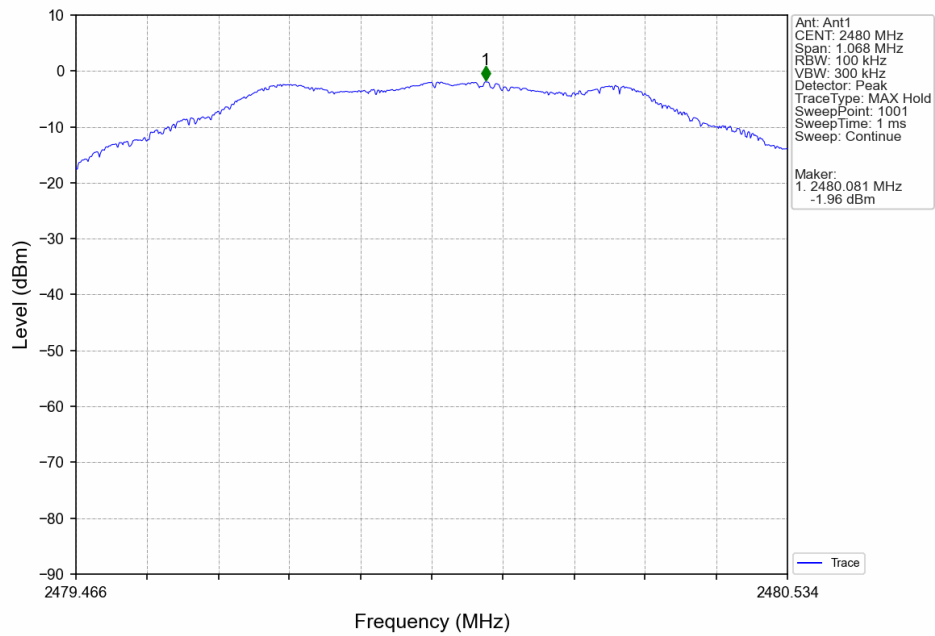
A.4 Band Edge

CSE

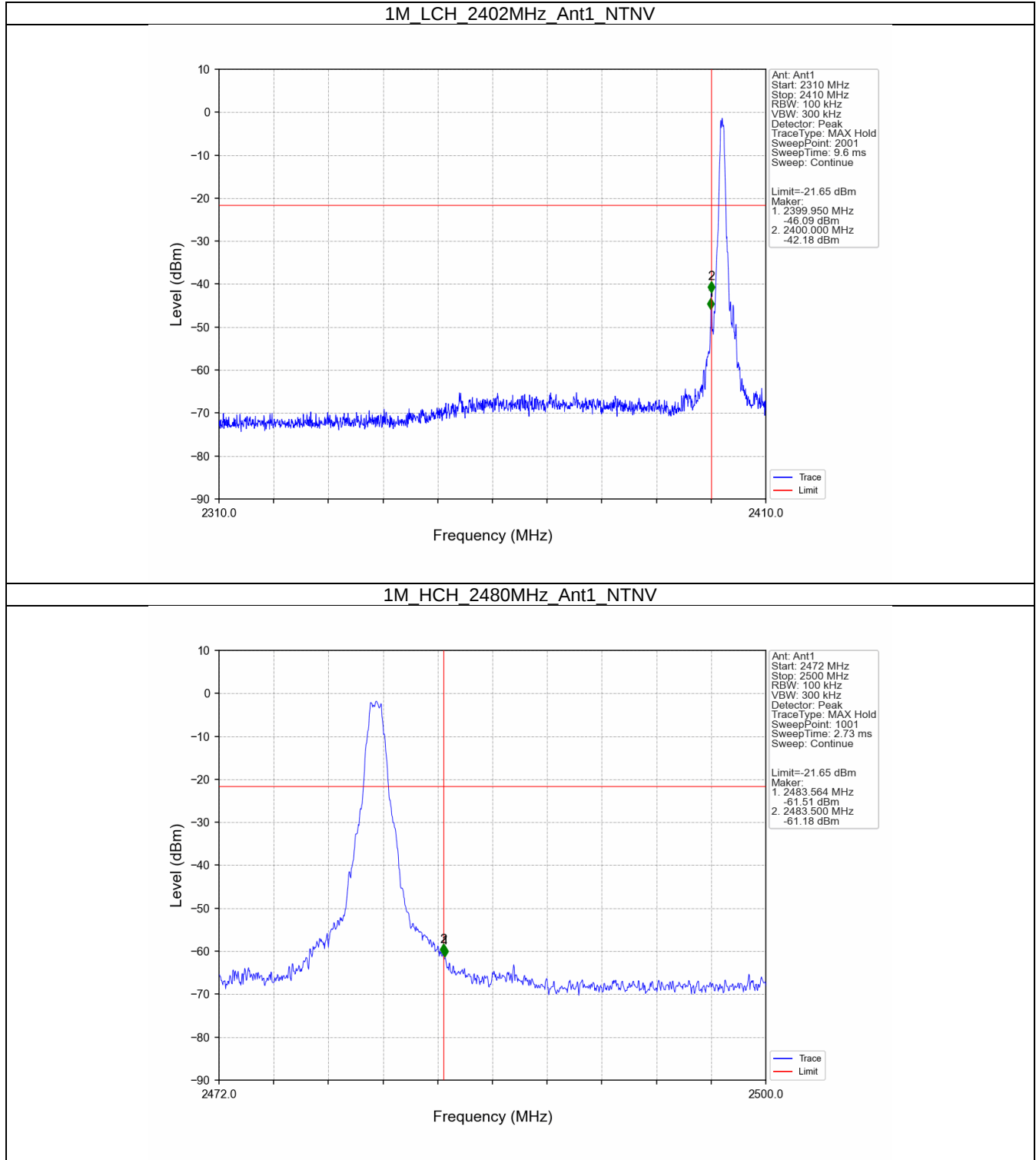
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-1.65	-21.65	Pass
		2440	1	-1.65	-21.65	Pass
		2480	1	-1.65	-21.65	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

Ref





CSE

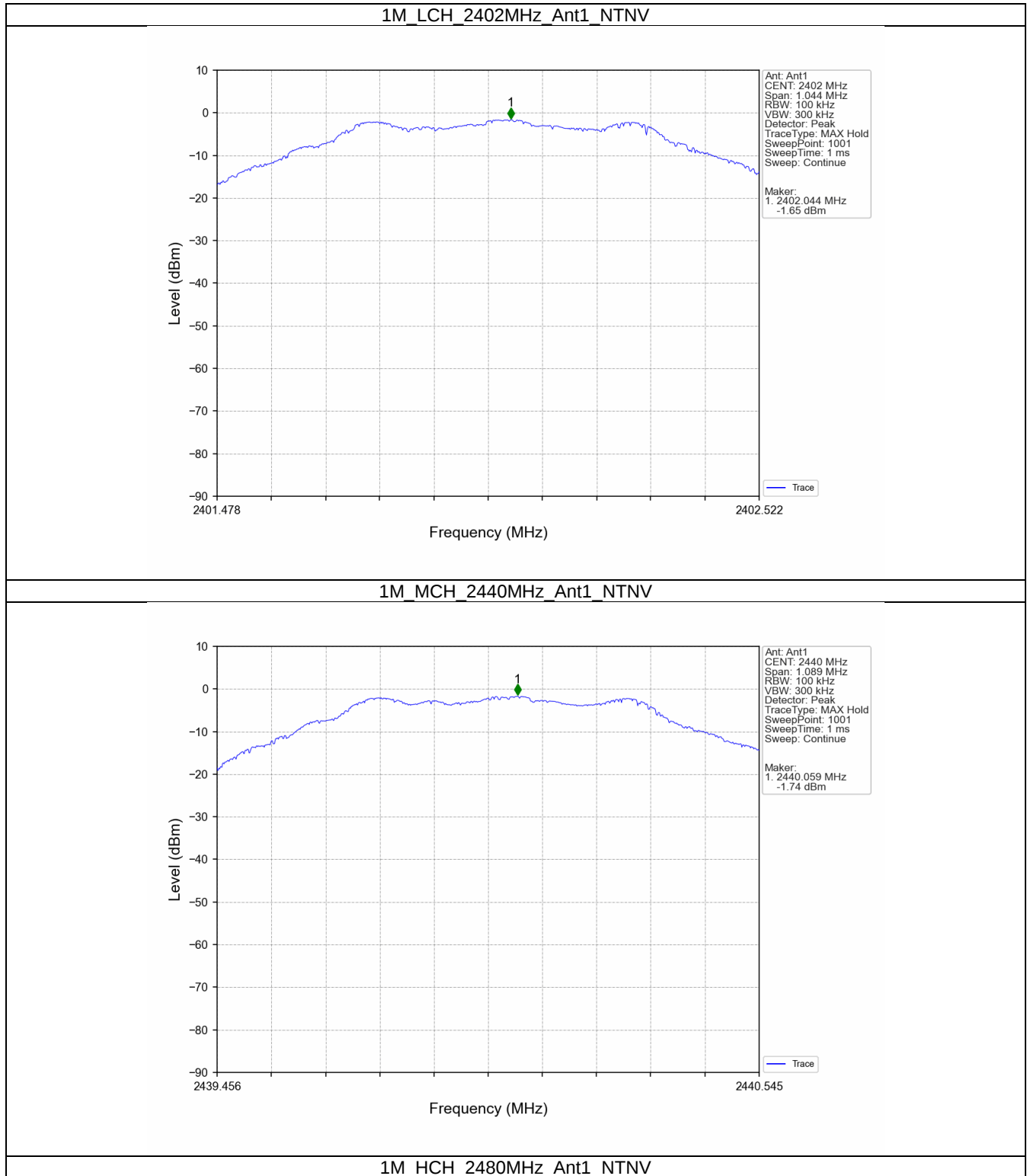


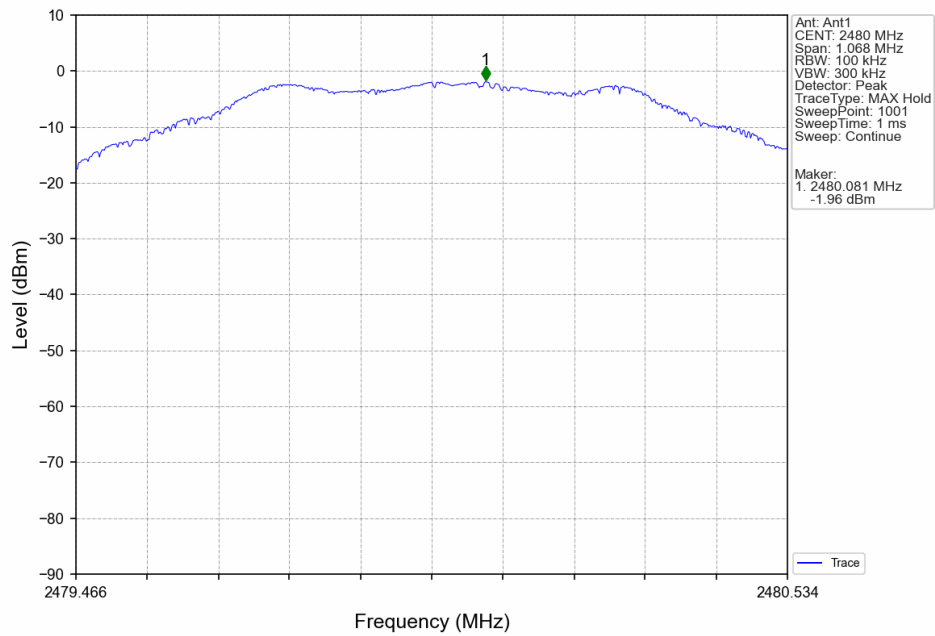
A.5 Conducted RF Spurious Emission

Ref

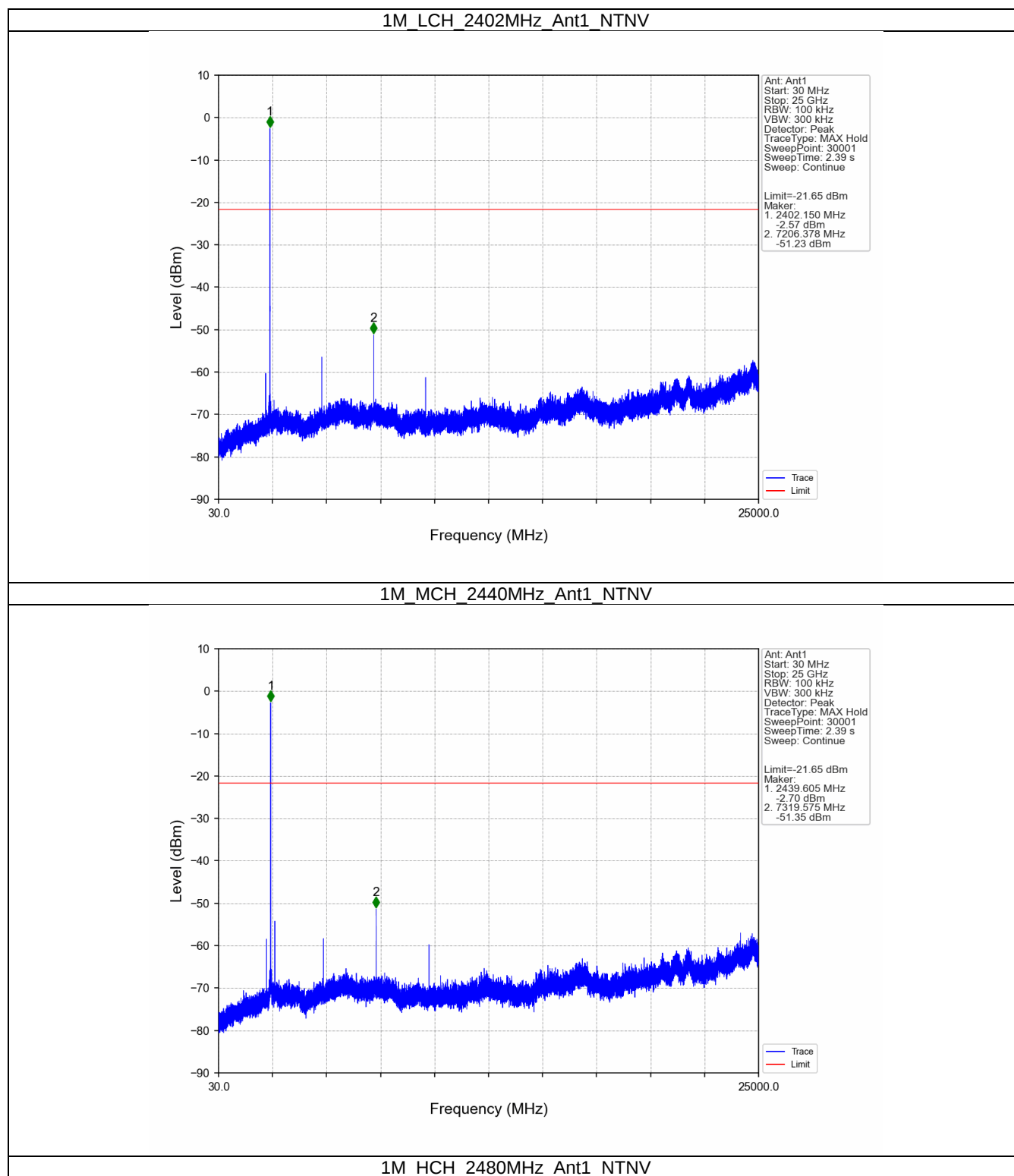
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-1.65
		2440	1	-1.74
		2480	1	-1.96
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.				

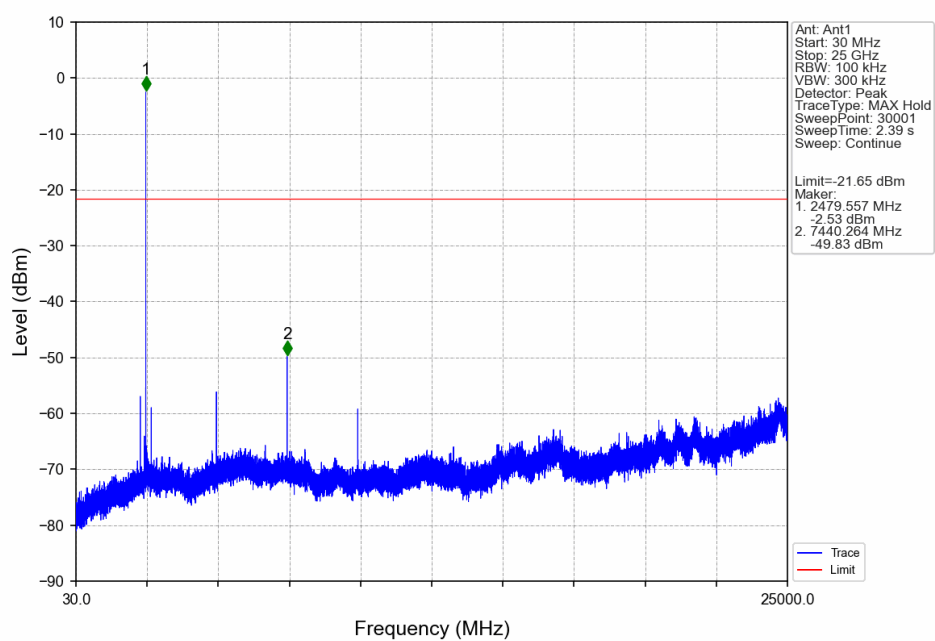
Ref





CSE

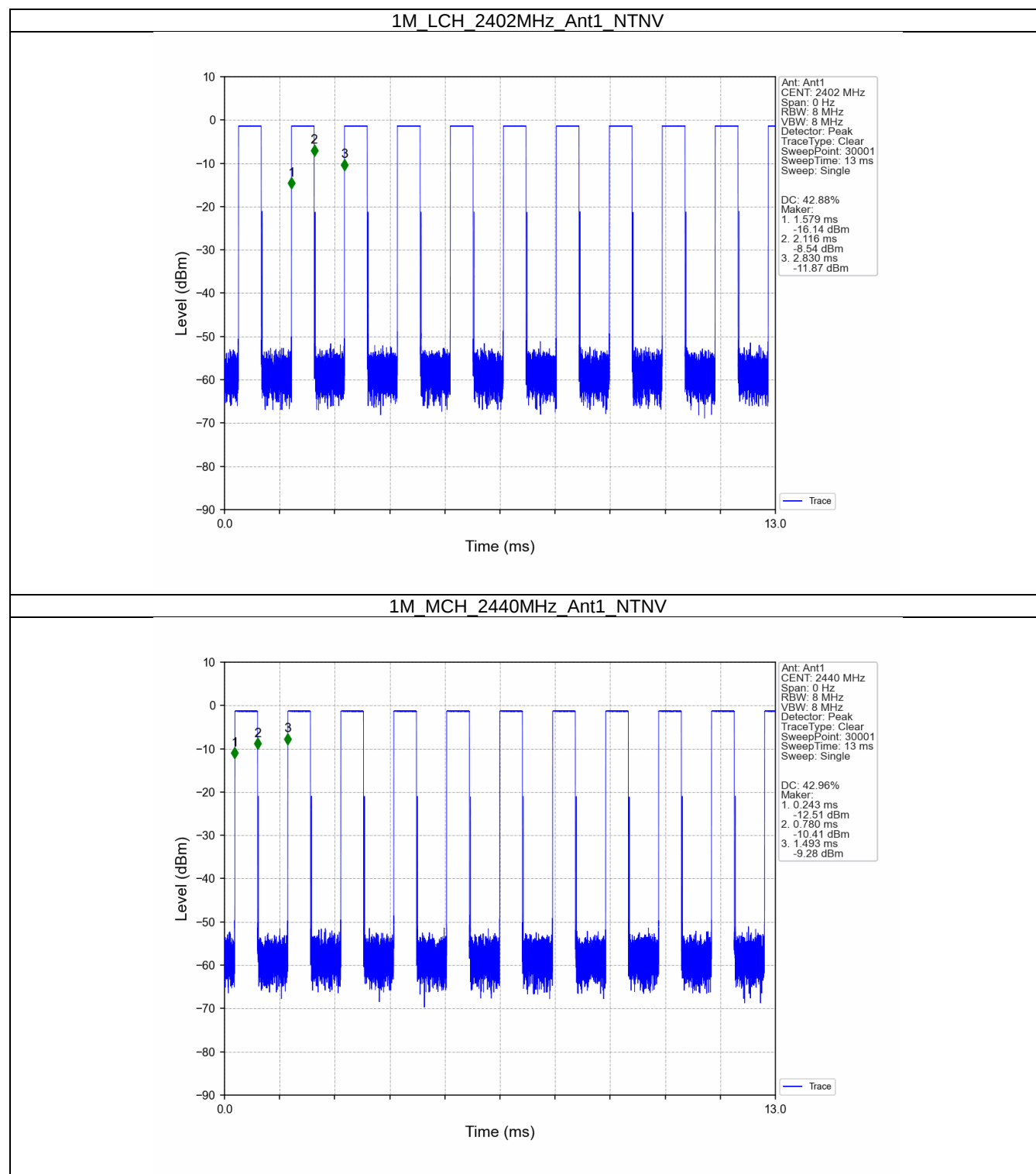


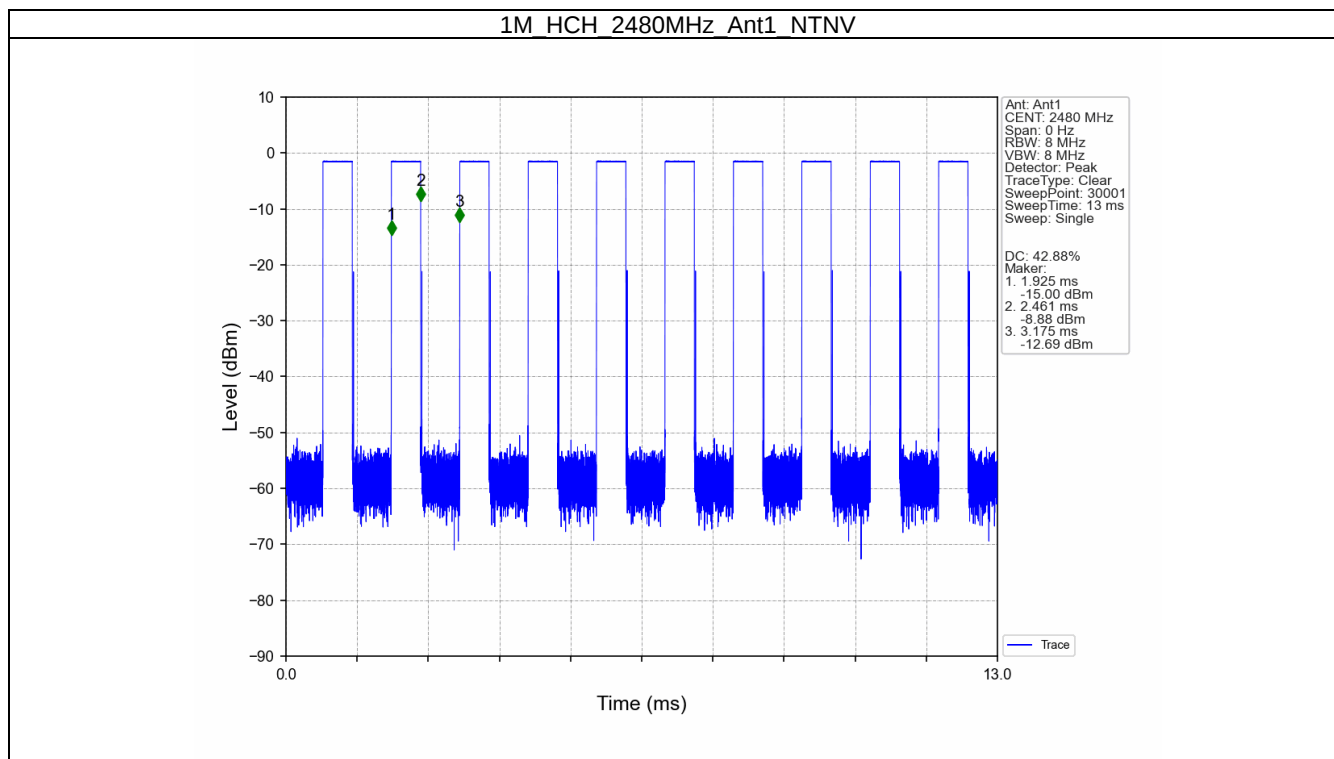


A.6 Duty Cycle

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.536	1.250	42.88	3.68	0.01
		2440	0.537	1.250	42.96	3.67	0.01
		2480	0.536	1.250	42.88	3.68	0.01

• Ant1





A.7 Restrict Band

RSE

