

1. Bandwidth

1.1 Test Result

1.1.1 OBW

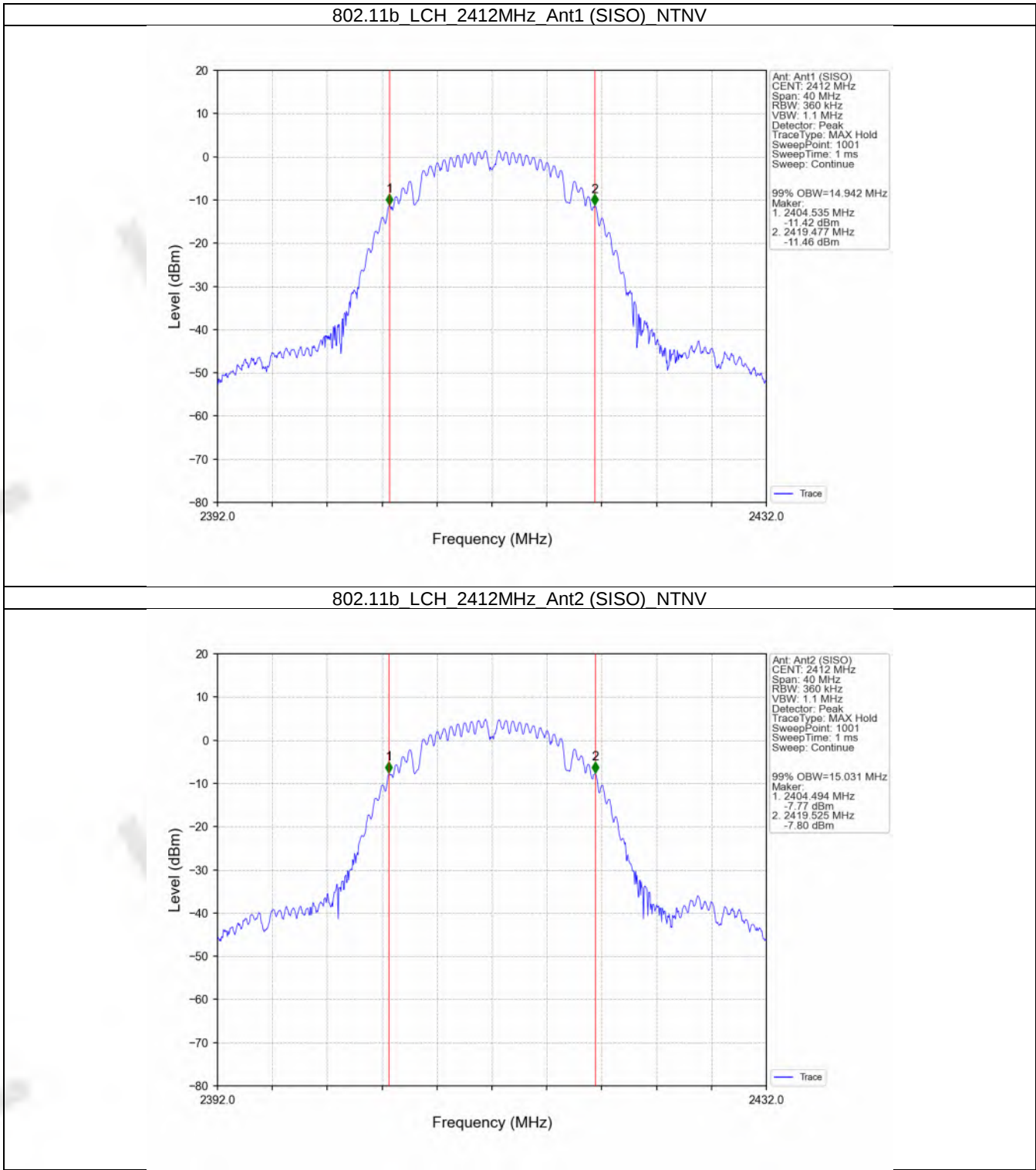
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	14.942	/	Pass
			2	15.031	/	Pass
		2437	1	14.963	/	Pass
			2	15.064	/	Pass
		2462	1	14.945	/	Pass
			2	15.043	/	Pass
802.11g	SISO	2412	1	17.367	/	Pass
			2	17.611	/	Pass
		2437	1	17.403	/	Pass
			2	17.611	/	Pass
		2462	1	17.370	/	Pass
			2	17.589	/	Pass
802.11n (HT20)	SISO	2412	1	18.292	/	Pass
			2	18.452	/	Pass
		2437	1	18.305	/	Pass
			2	18.469	/	Pass
		2462	1	18.287	/	Pass
			2	18.450	/	Pass
802.11n (HT40)	SISO	2422	1	37.019	/	Pass
			2	37.349	/	Pass
		2437	1	37.080	/	Pass
			2	37.399	/	Pass
		2452	1	37.049	/	Pass
			2	37.385	/	Pass

1.1.2 6dB BW

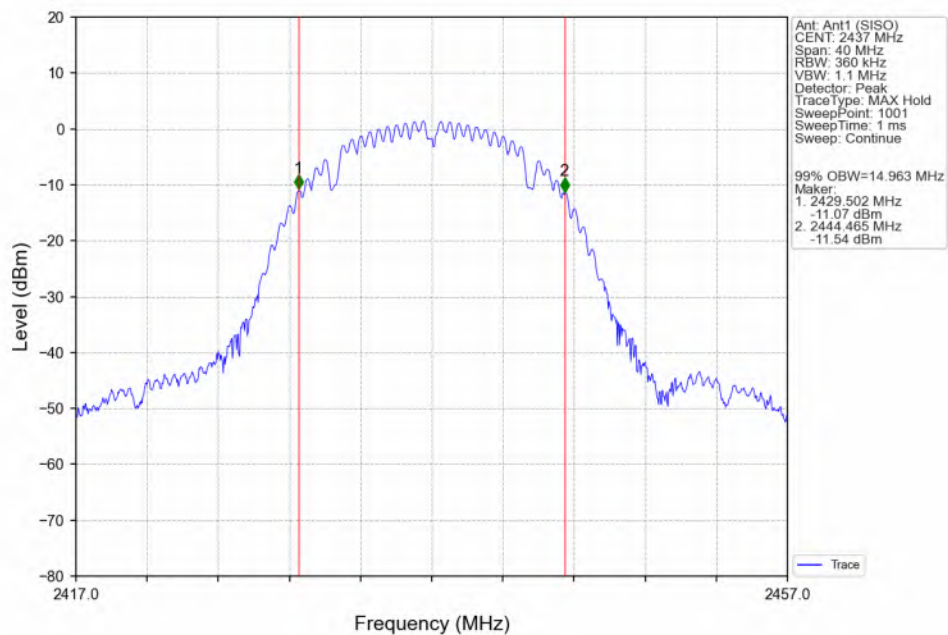
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.130	>=0.5	Pass
			2	10.131	>=0.5	Pass
		2437	1	10.130	>=0.5	Pass
			2	10.131	>=0.5	Pass
		2462	1	10.126	>=0.5	Pass
			2	10.134	>=0.5	Pass
802.11g	SISO	2412	1	16.360	>=0.5	Pass
			2	16.376	>=0.5	Pass
		2437	1	16.356	>=0.5	Pass
			2	16.361	>=0.5	Pass
		2462	1	16.344	>=0.5	Pass
			2	16.356	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	17.072	>=0.5	Pass
			2	17.391	>=0.5	Pass
		2437	1	16.963	>=0.5	Pass
			2	17.191	>=0.5	Pass
		2462	1	16.914	>=0.5	Pass
			2	17.326	>=0.5	Pass
802.11n (HT40)	SISO	2422	1	35.535	>=0.5	Pass
			2	35.812	>=0.5	Pass
		2437	1	35.553	>=0.5	Pass
			2	35.830	>=0.5	Pass
		2452	1	35.518	>=0.5	Pass
			2	35.837	>=0.5	Pass

1.2 Test Graph

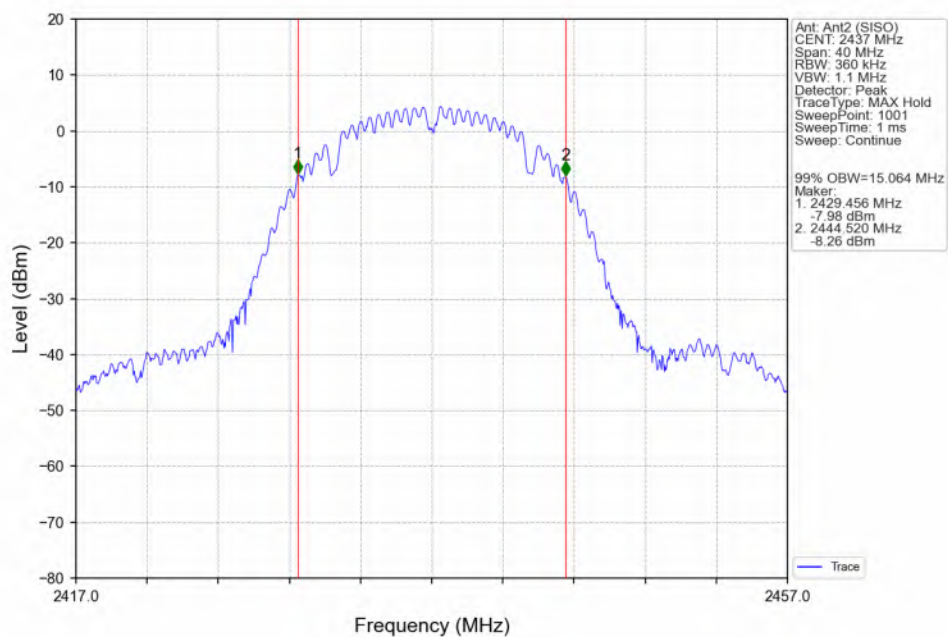
1.2.1 OBW



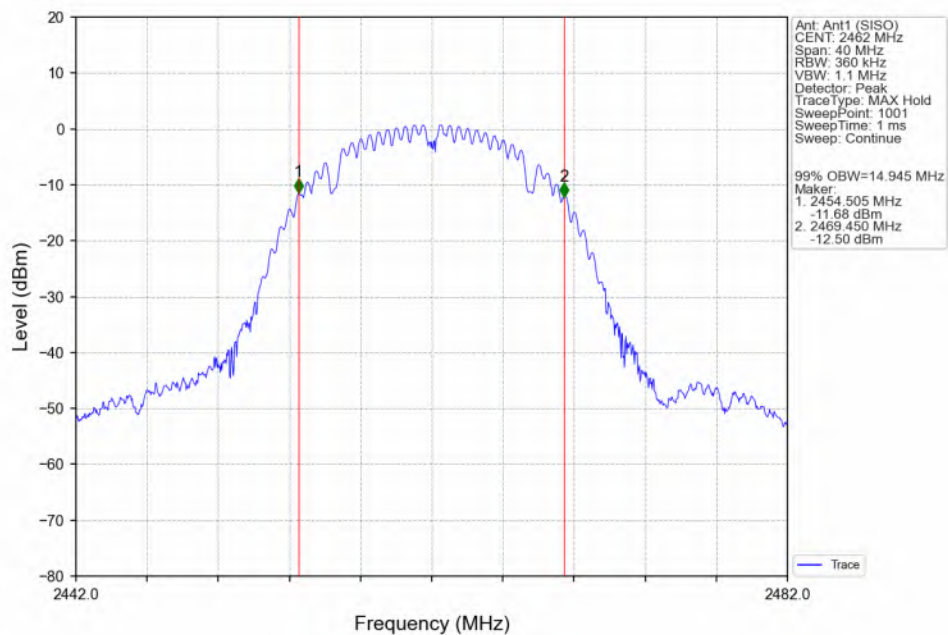
802.11b MCH 2437MHz Ant1 (SISO) NTN



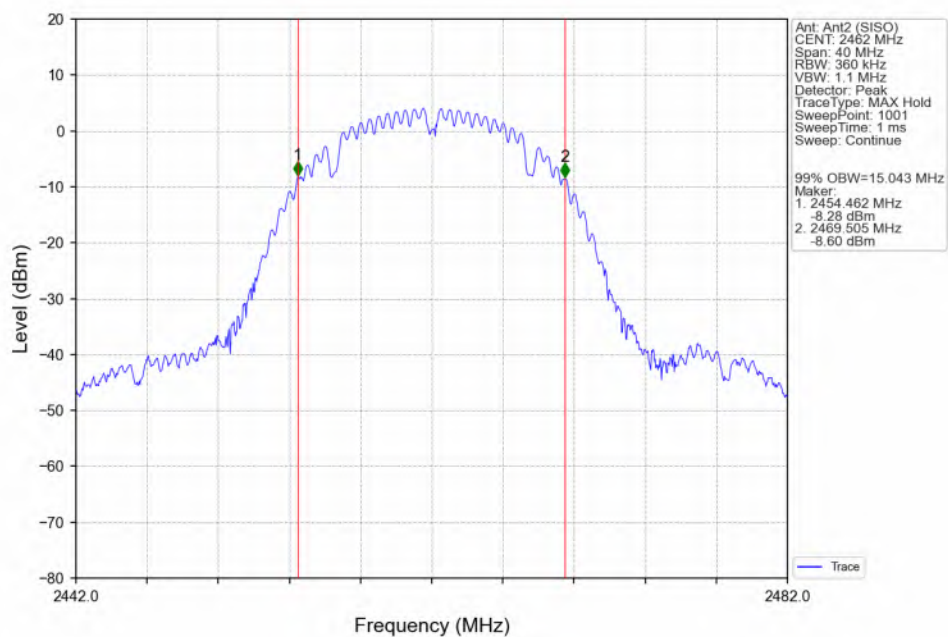
802.11b MCH 2437MHz Ant2 (SISO) NTN



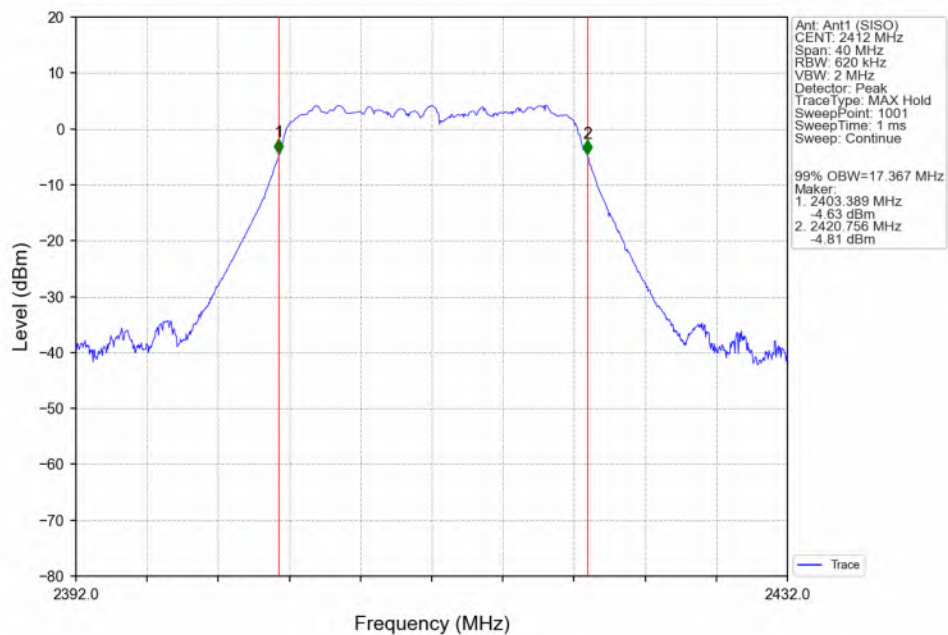
802.11b HCH 2462MHz Ant1 (SISO) NTN



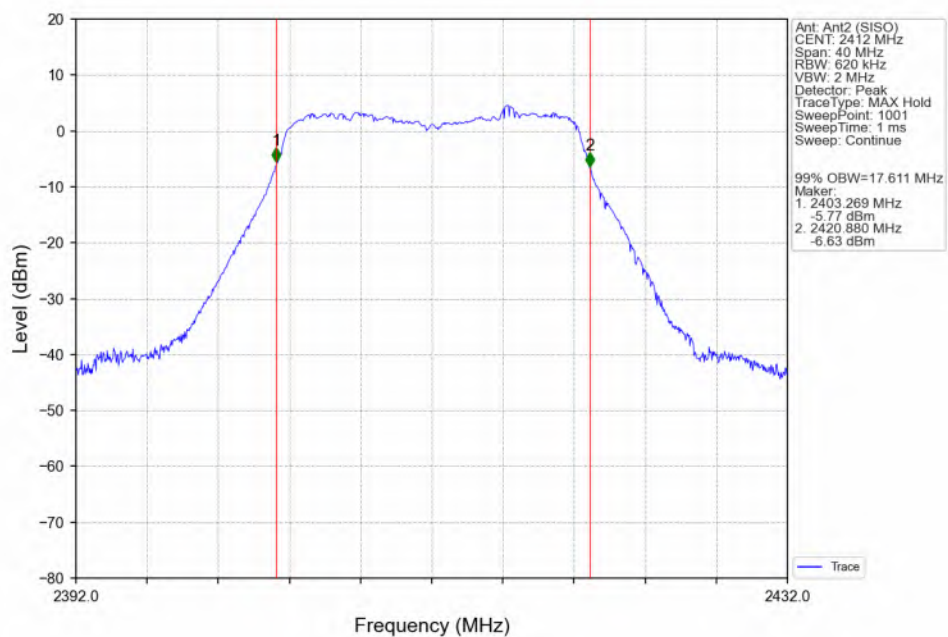
802.11b HCH 2462MHz Ant2 (SISO) NTN



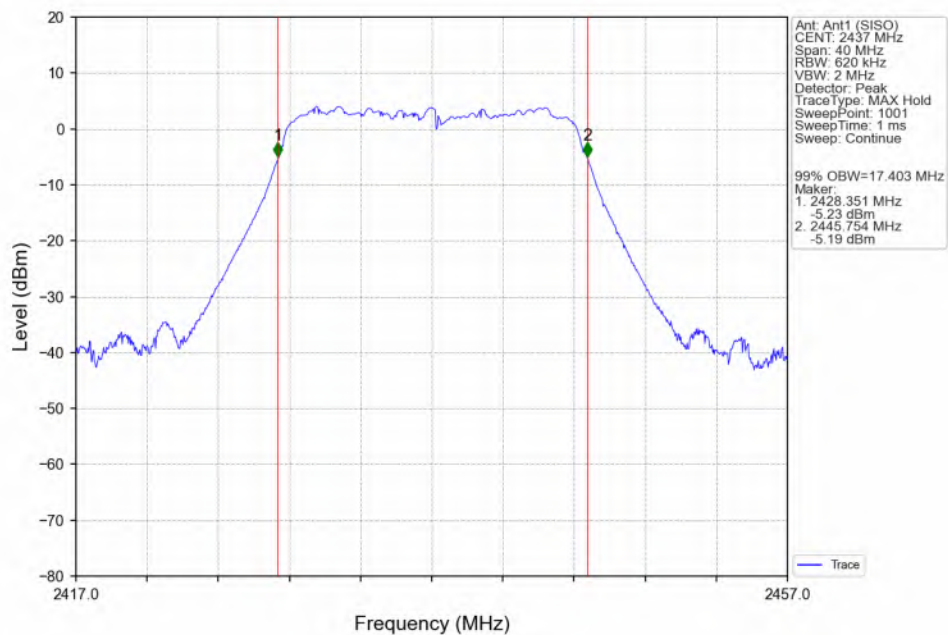
802.11g LCH 2412MHz Ant1 (SISO) NTN



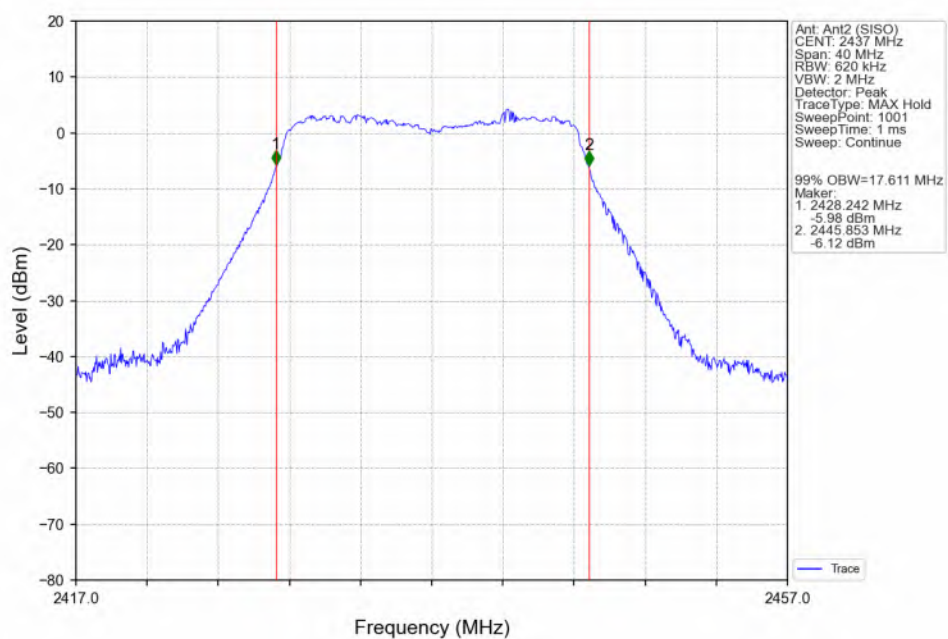
802.11g LCH 2412MHz Ant2 (SISO) NTN



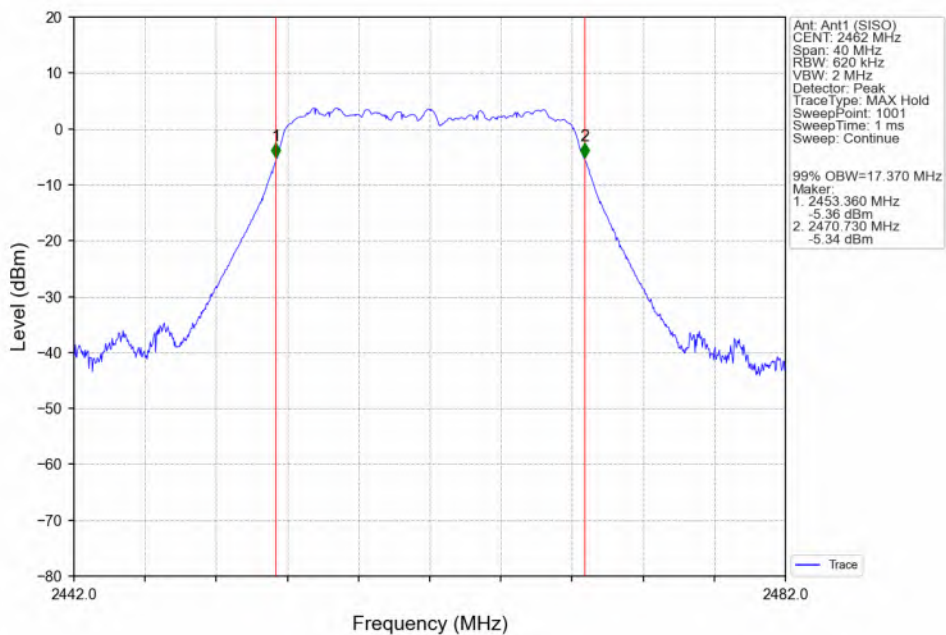
802.11g MCH 2437MHz Ant1 (SISO) NTN



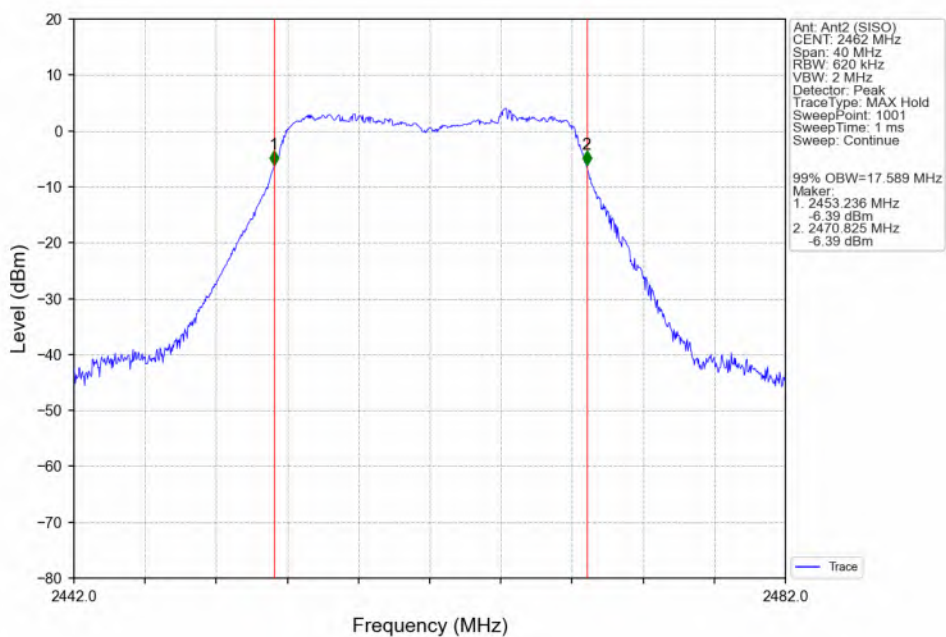
802.11g MCH 2437MHz Ant2 (SISO) NTN



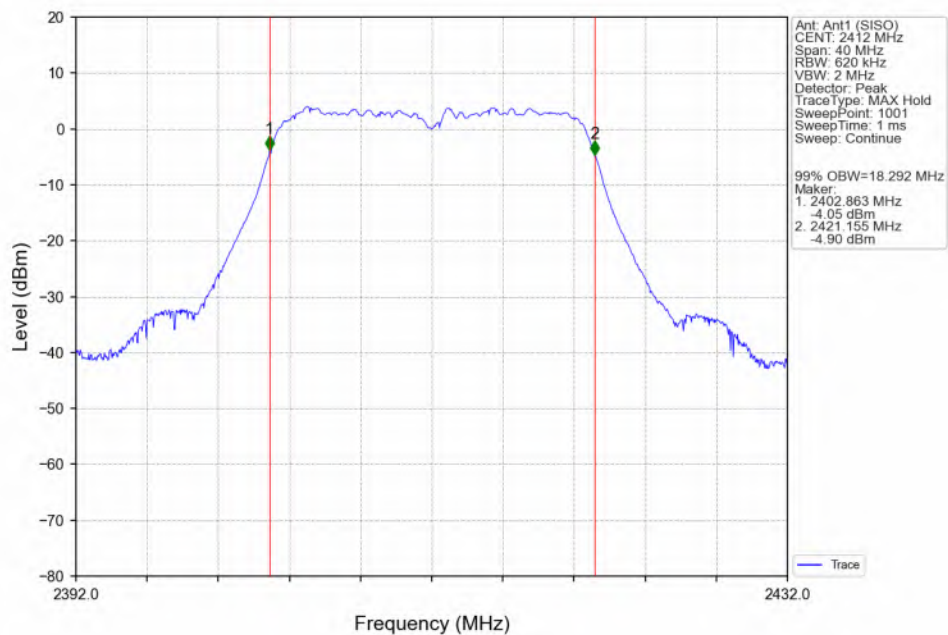
802.11g HCH 2462MHz Ant1 (SISO) NTN



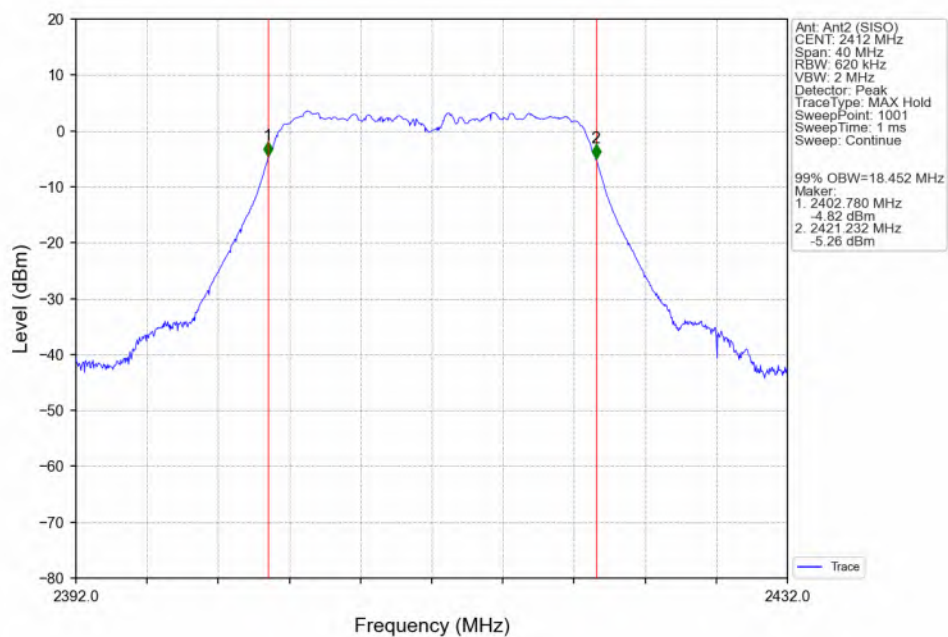
802.11g HCH 2462MHz Ant2 (SISO) NTN



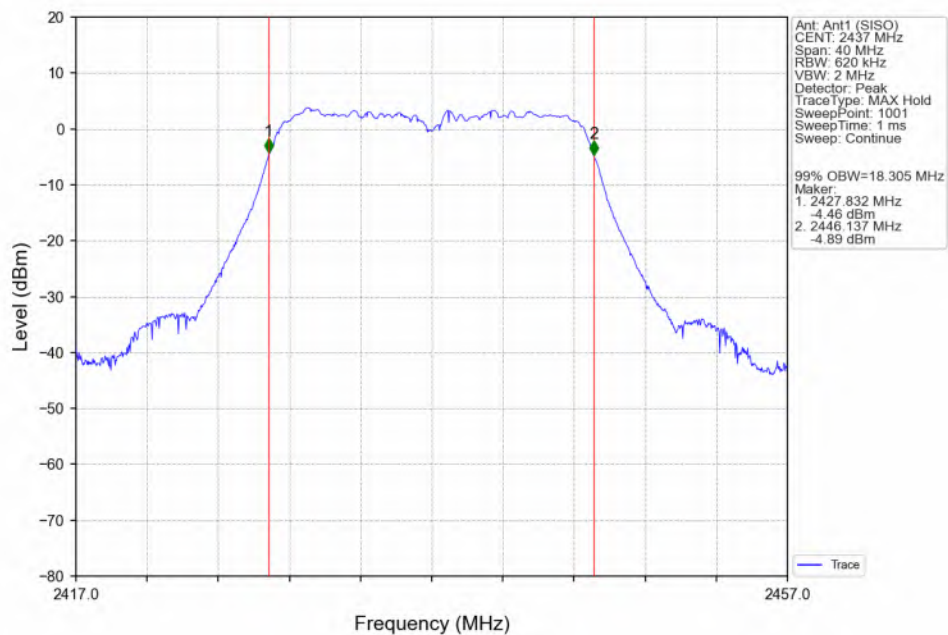
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



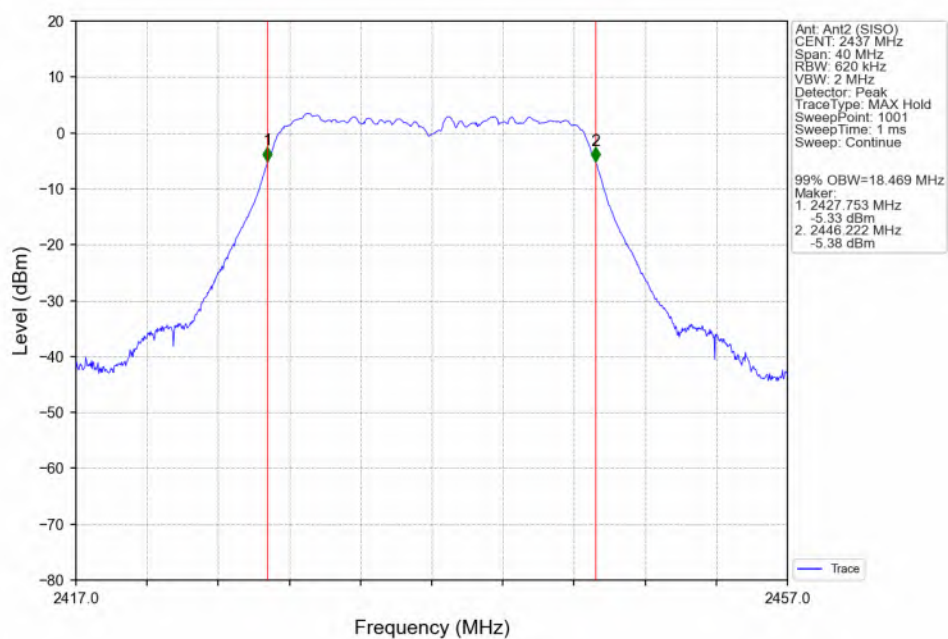
802.11n(HT20) LCH 2412MHz Ant2 (SISO) NTNV



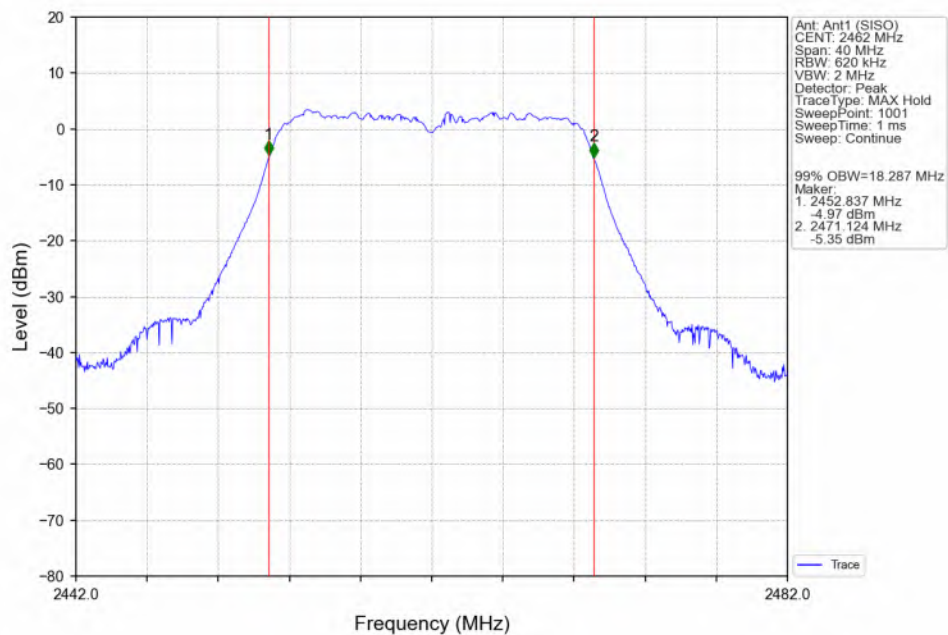
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



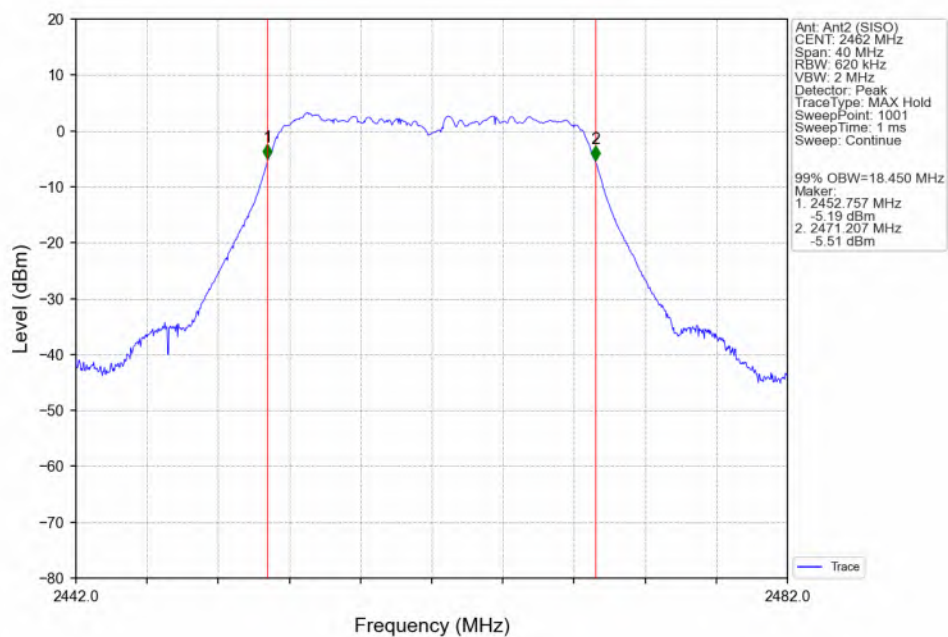
802.11n(HT20) MCH 2437MHz Ant2 (SISO) NTNV



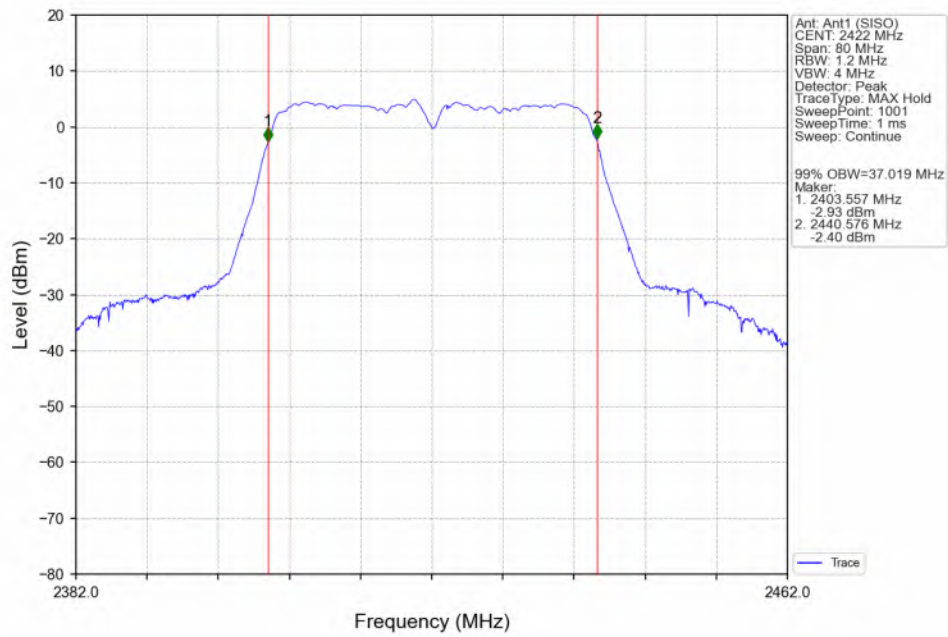
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



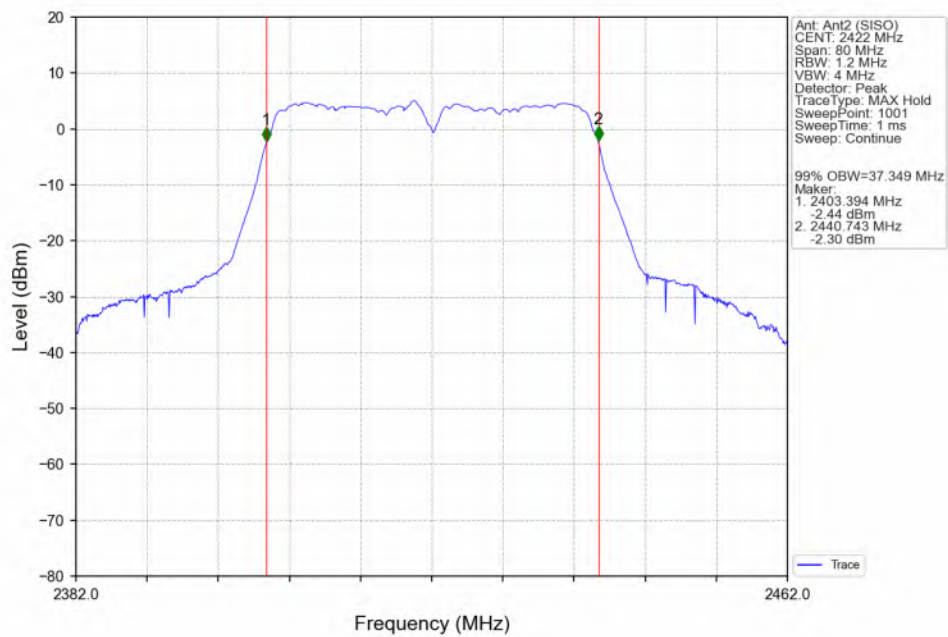
802.11n(HT20) HCH 2462MHz Ant2 (SISO) NTNV



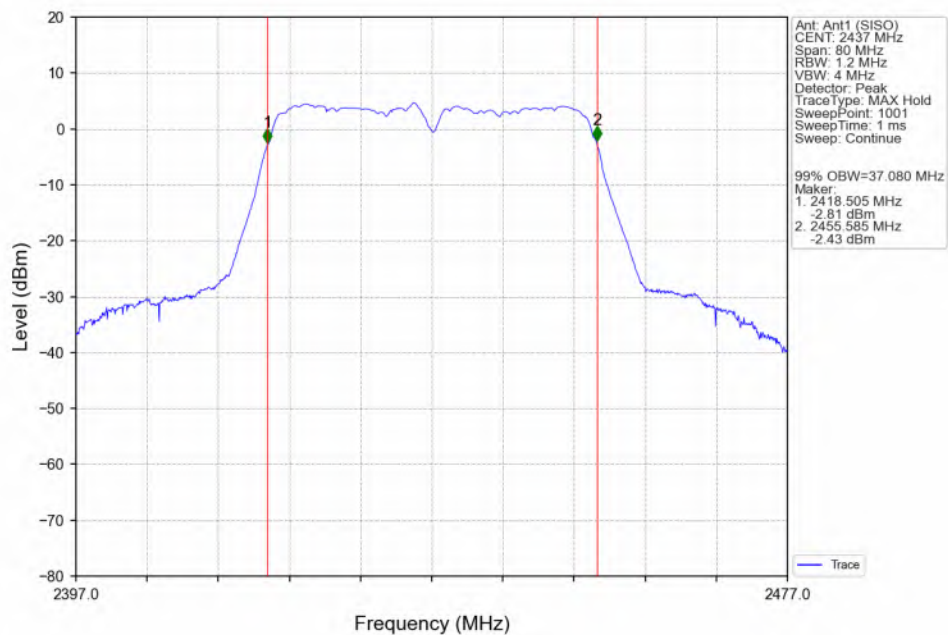
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



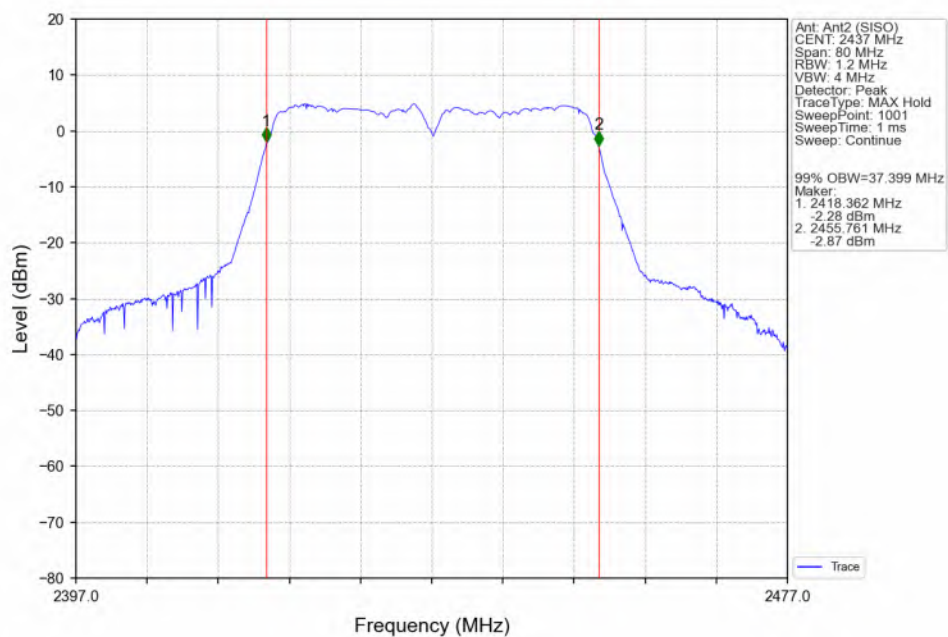
802.11n(HT40) LCH 2422MHz Ant2 (SISO) NTNV



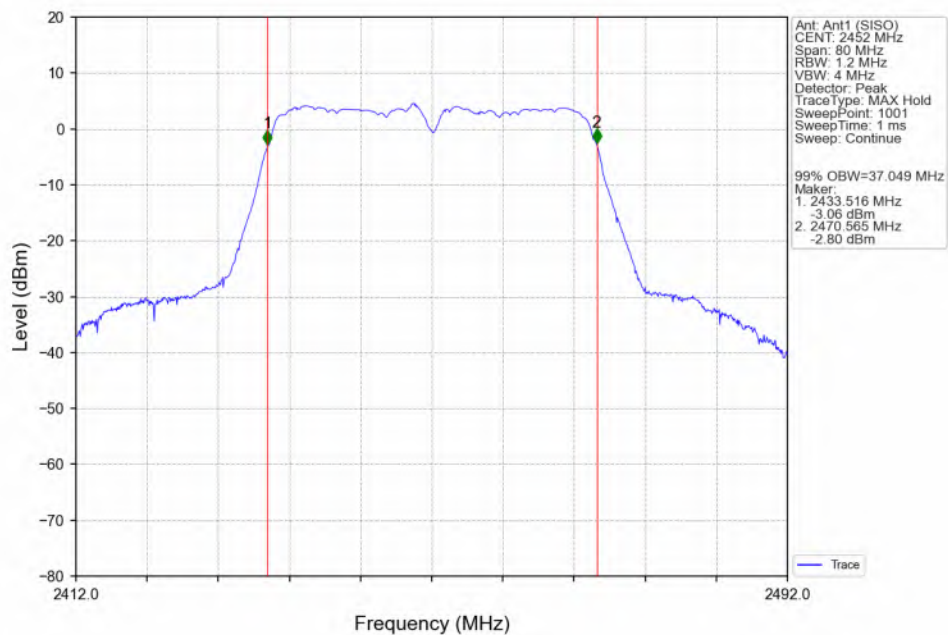
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



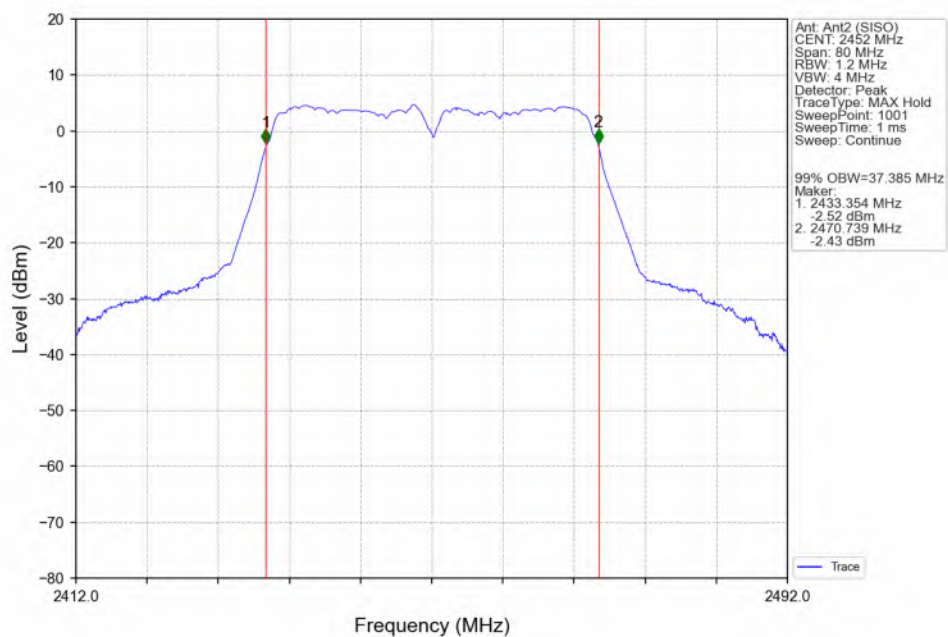
802.11n(HT40) MCH 2437MHz Ant2 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV

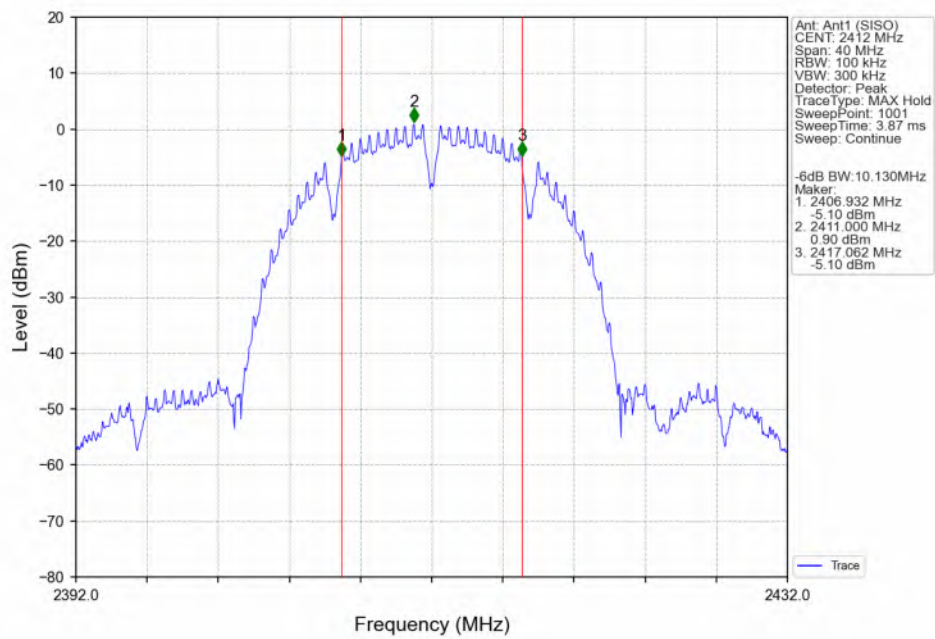


802.11n(HT40) HCH 2452MHz Ant2 (SISO) NTNV

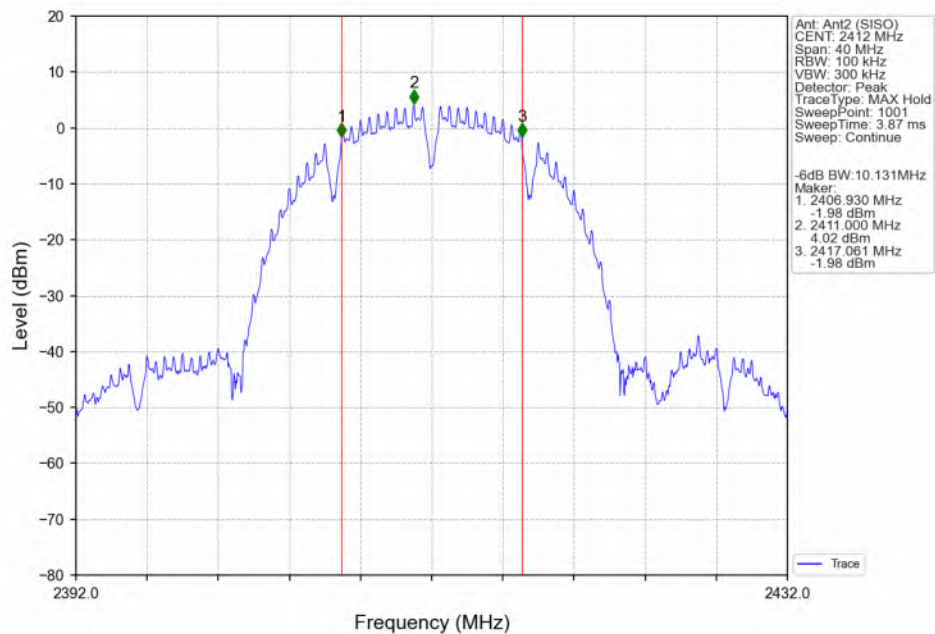


1.2.2 6dB BW

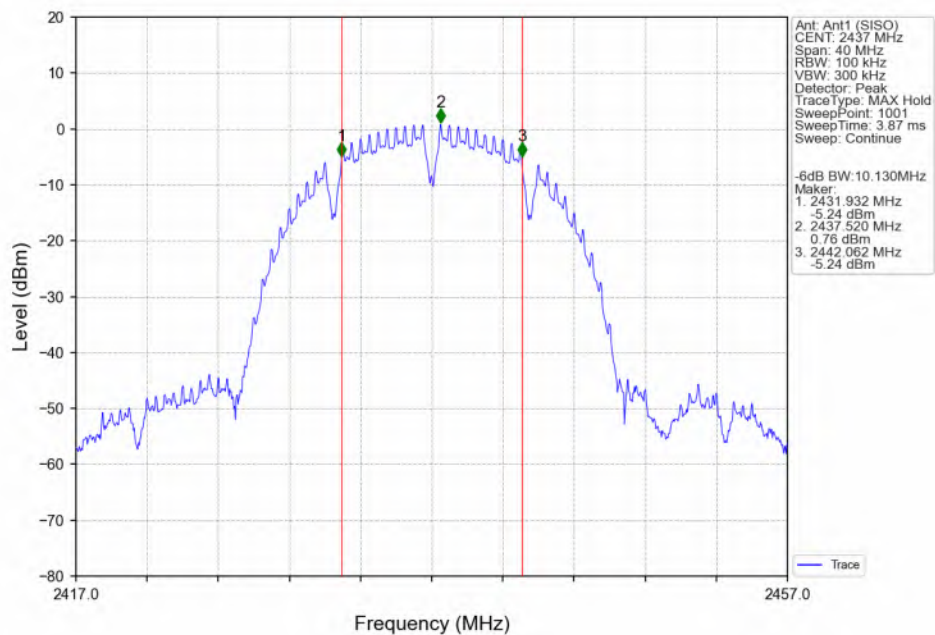
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



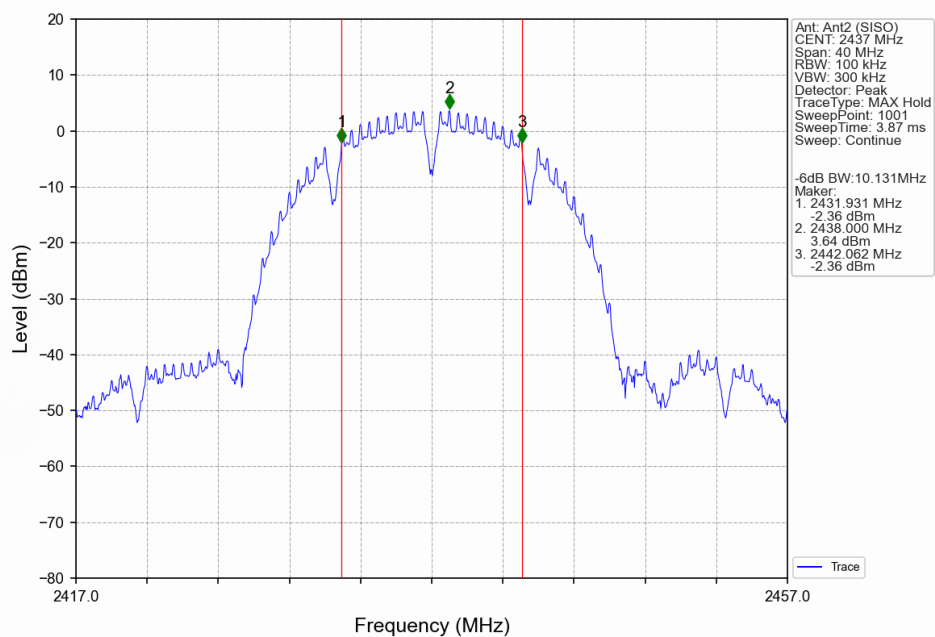
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



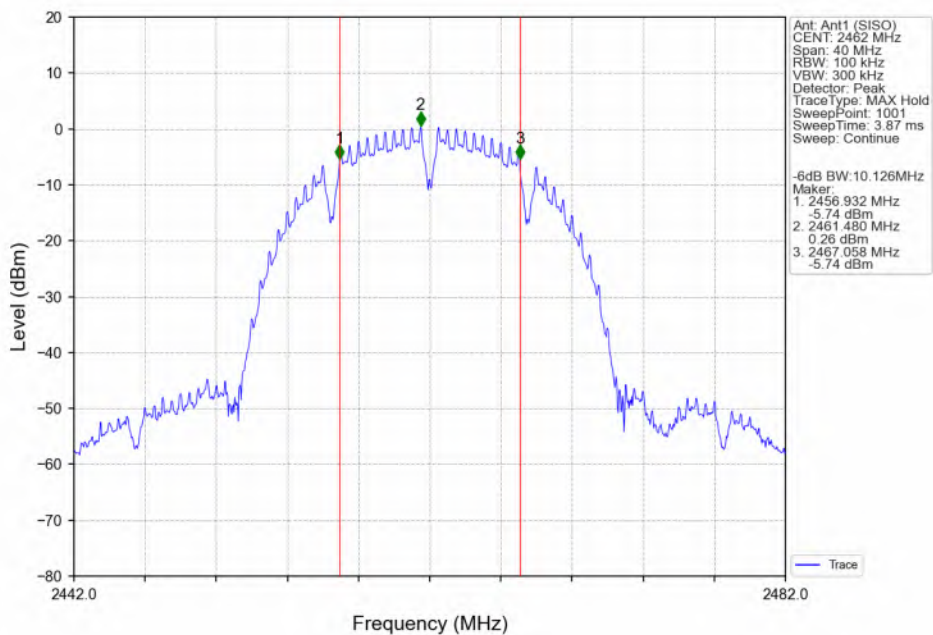
802.11b MCH 2437MHz Ant1 (SISO) NTN



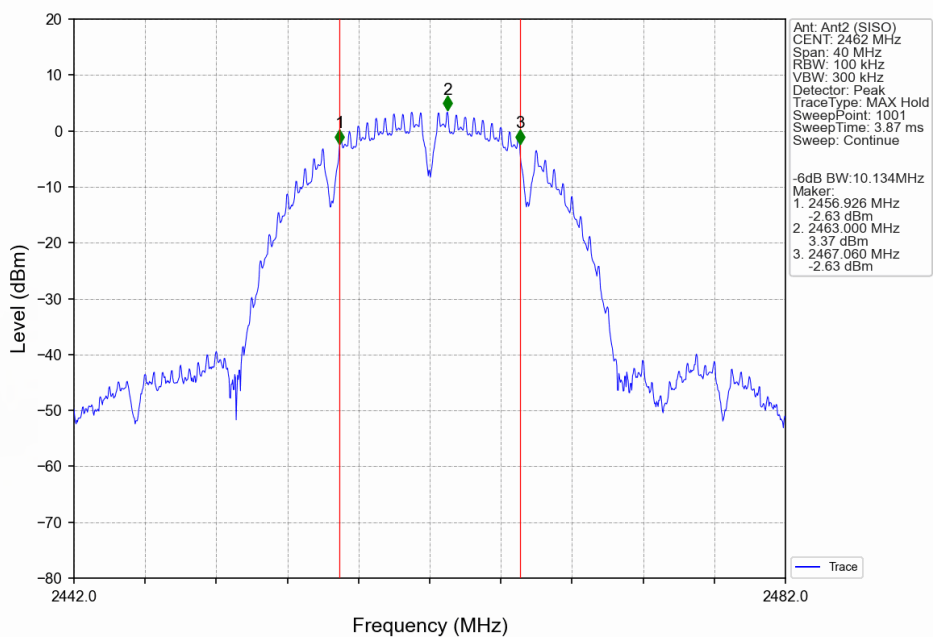
802.11b MCH 2437MHz Ant2 (SISO) NTN



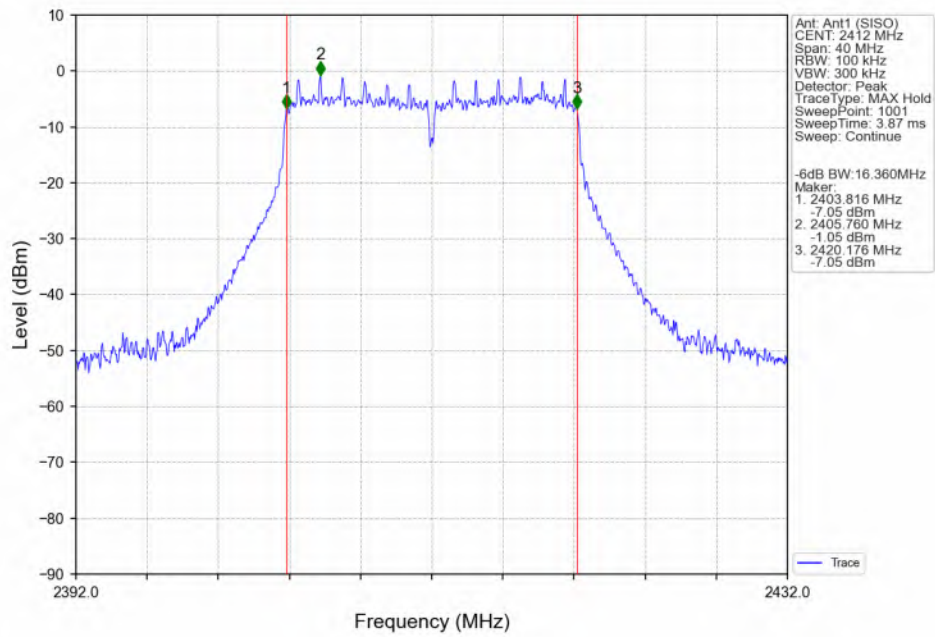
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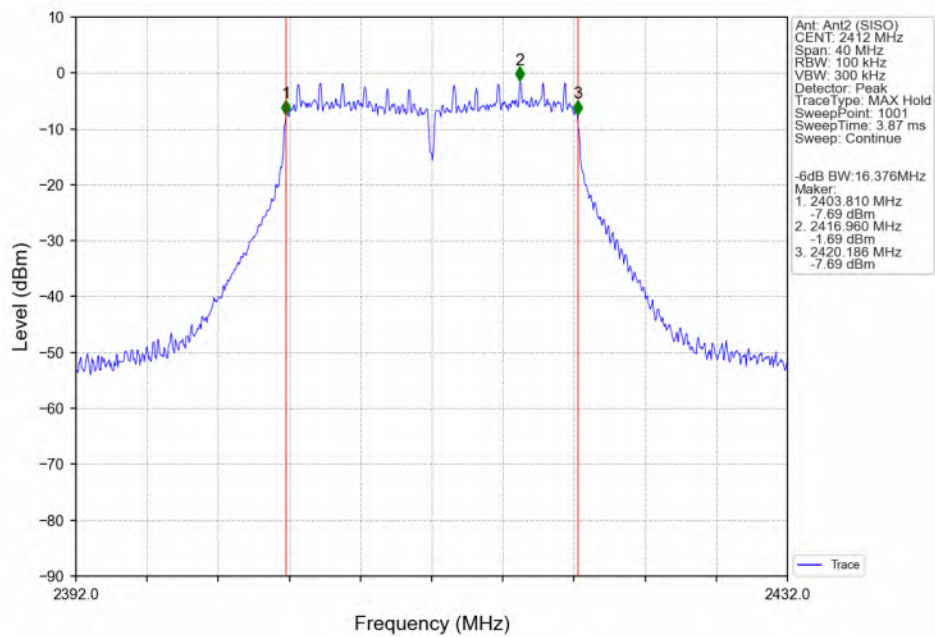
802.11b HCH 2462MHz Ant2 (SISO) NTN



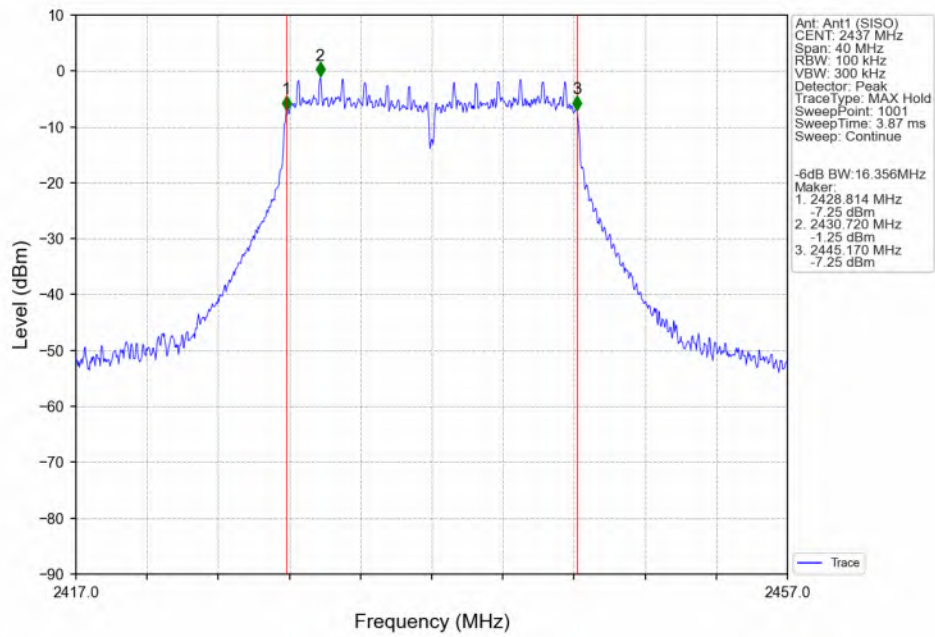
802.11g LCH 2412MHz Ant1 (SISO) NTN



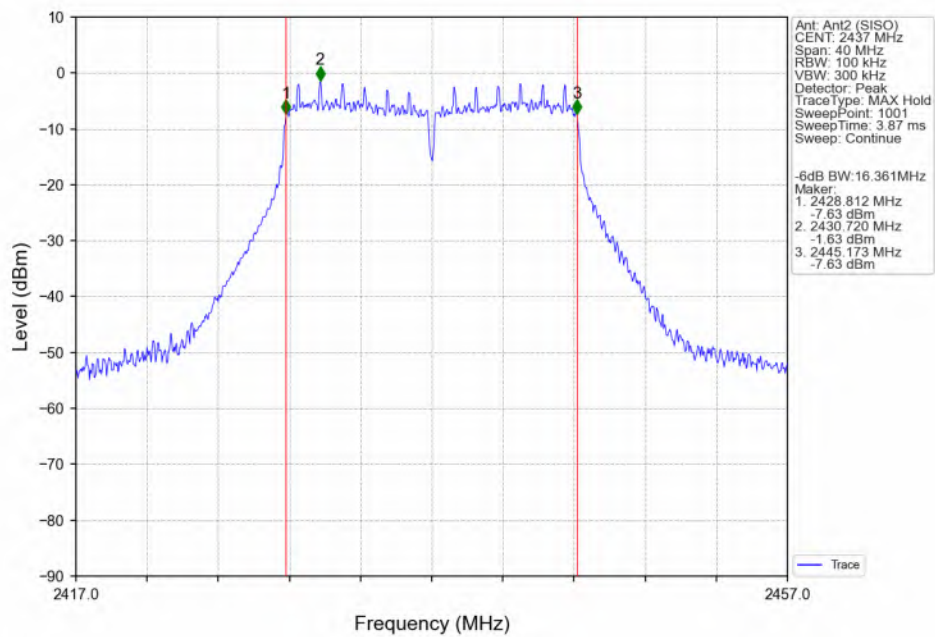
802.11g LCH 2412MHz Ant2 (SISO) NTN



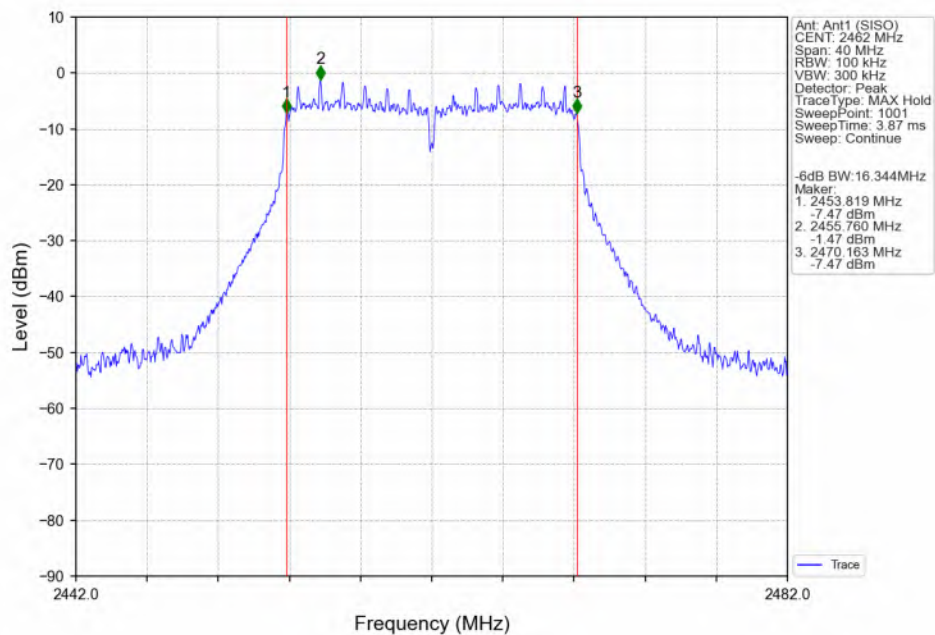
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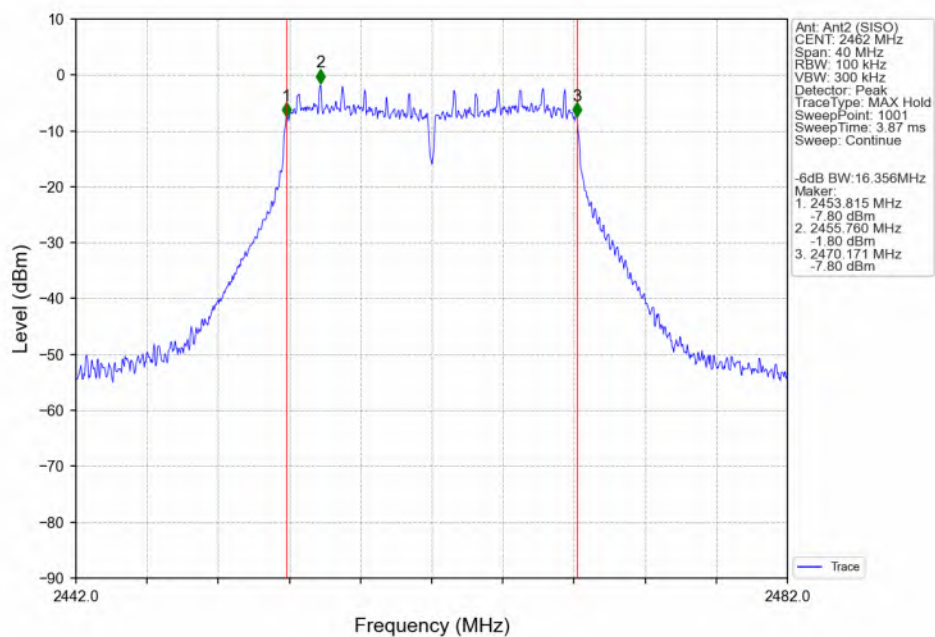
802.11g MCH 2437MHz Ant2 (SISO) NTN



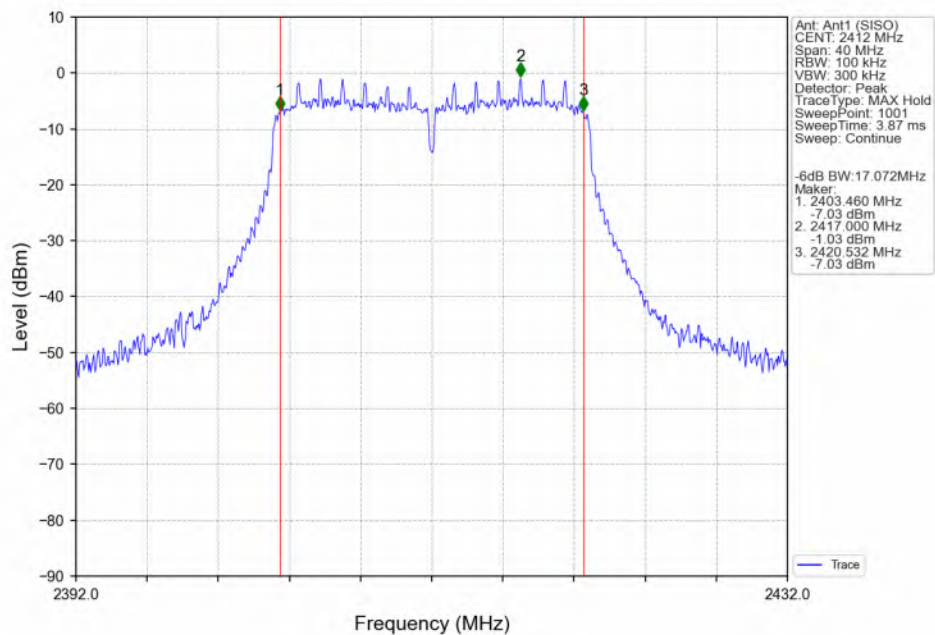
802.11g HCH 2462MHz Ant1 (SISO) NTN



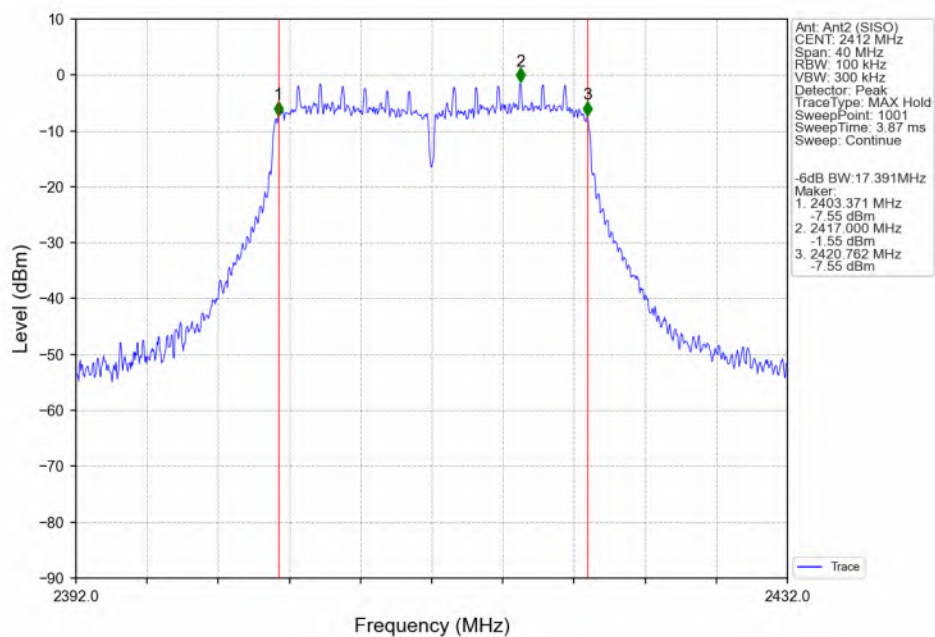
802.11g HCH 2462MHz Ant2 (SISO) NTN



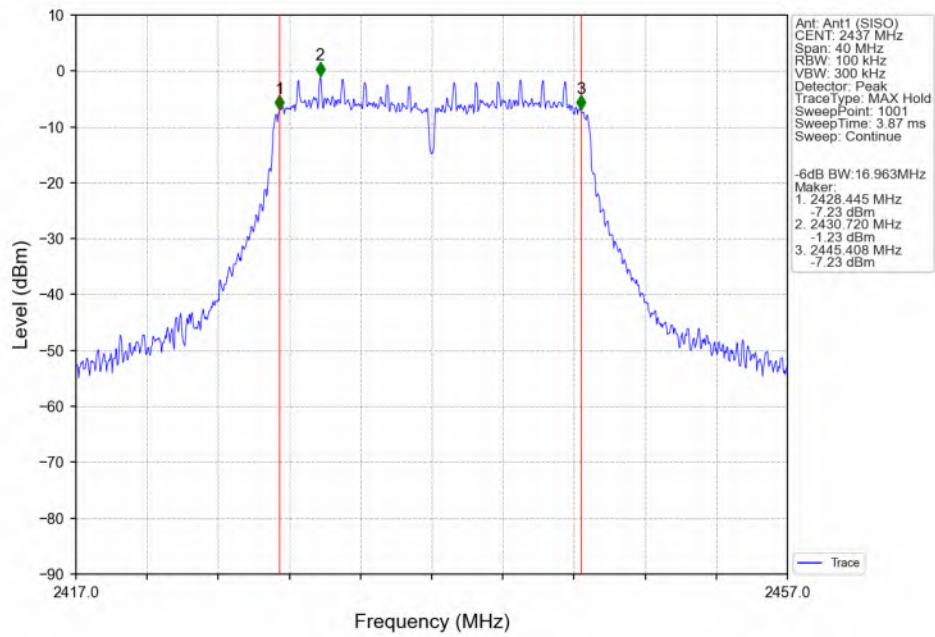
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



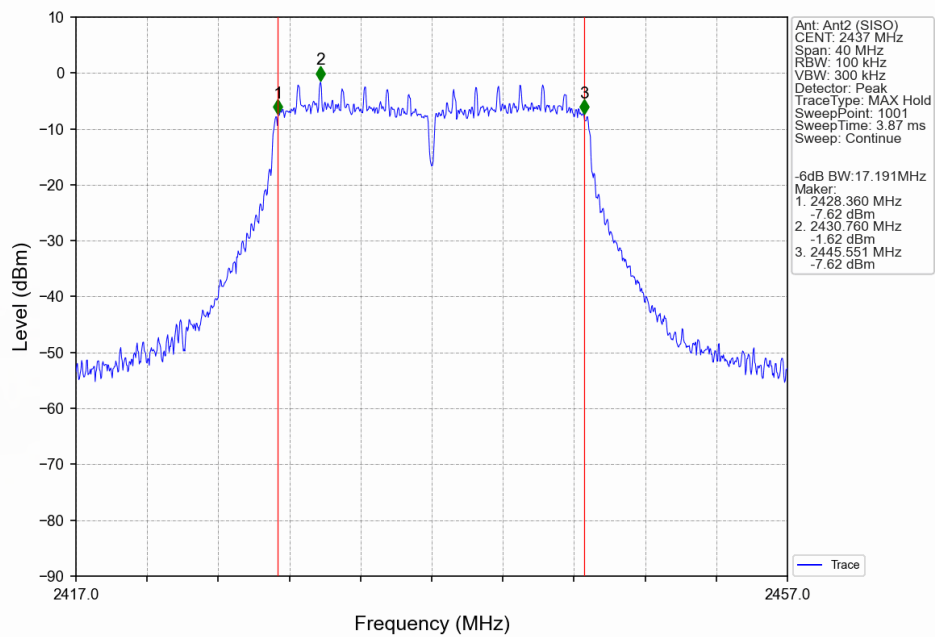
802.11n(HT20) LCH 2412MHz Ant2 (SISO) NTNV



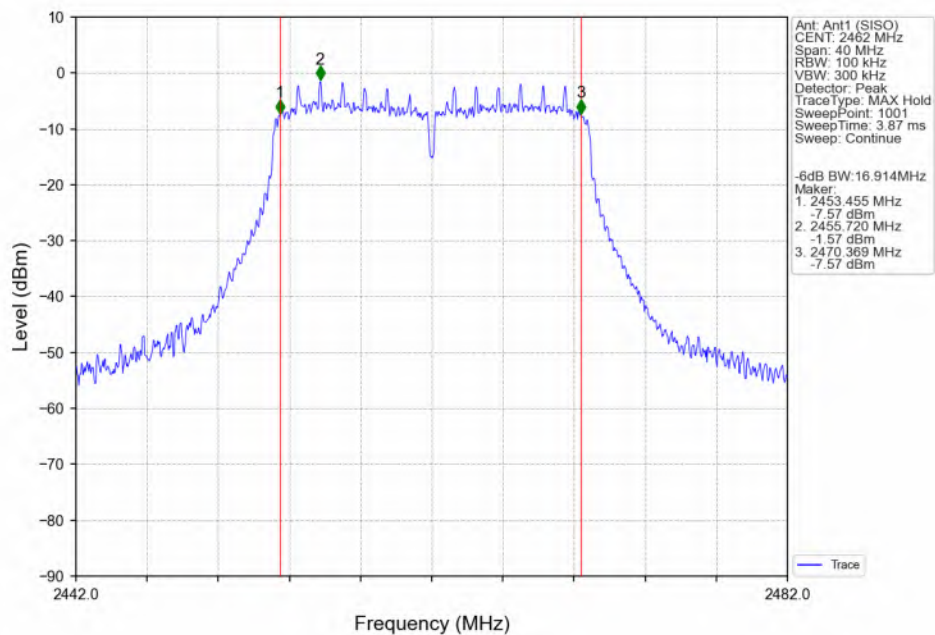
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



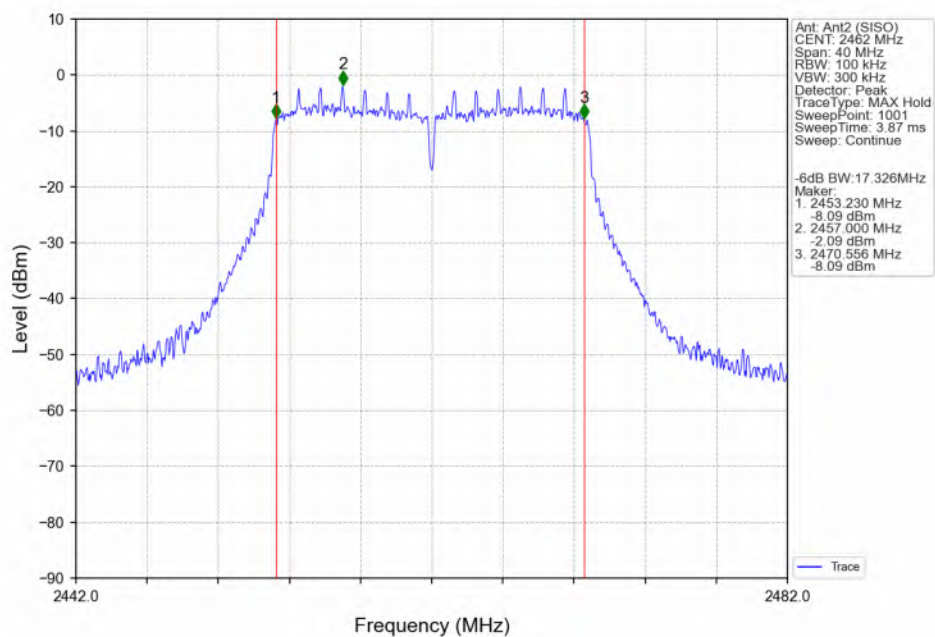
802.11n(HT20) MCH 2437MHz Ant2 (SISO) NTNV



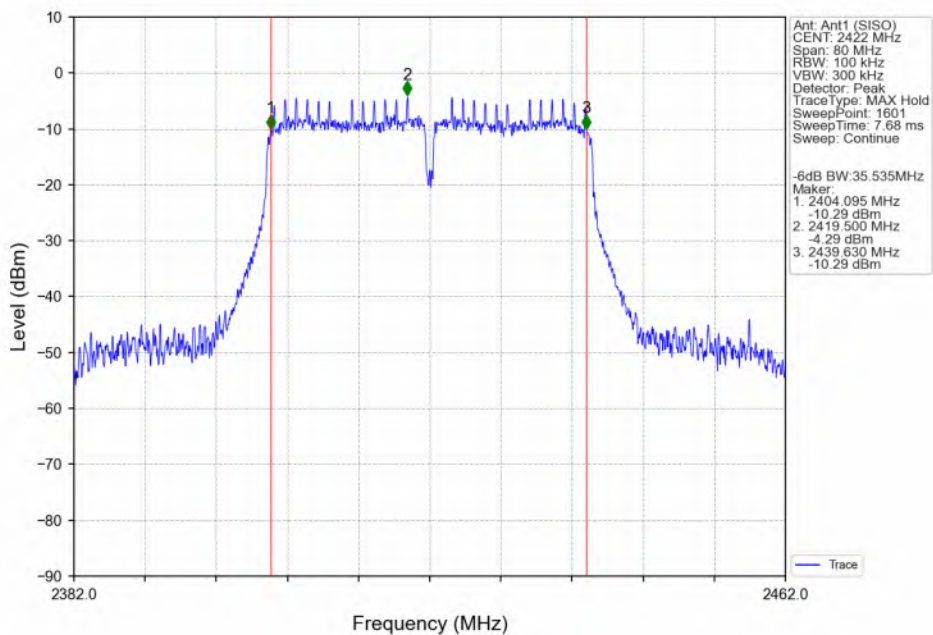
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTV



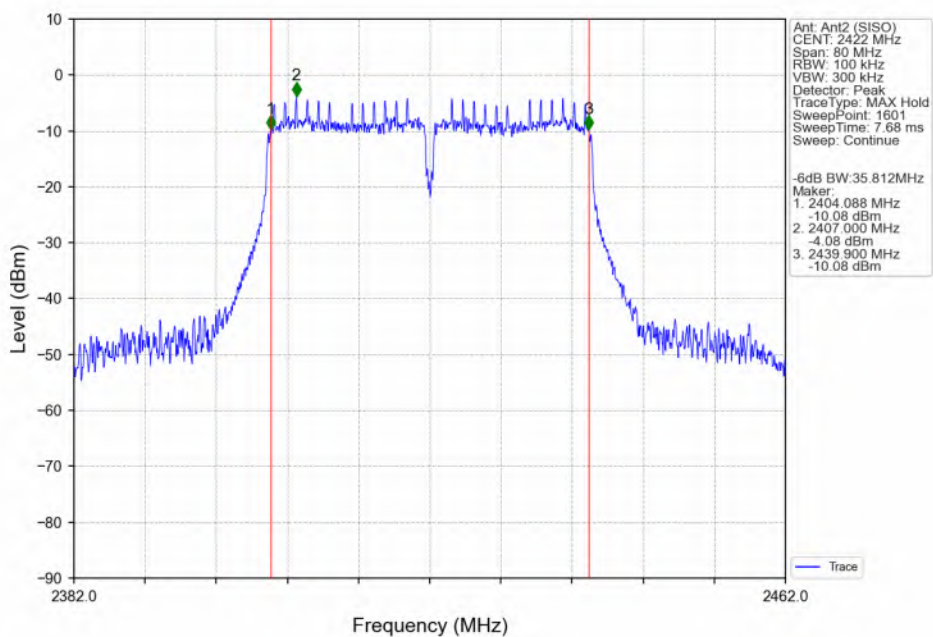
802.11n(HT20) HCH 2462MHz Ant2 (SISO) NTV



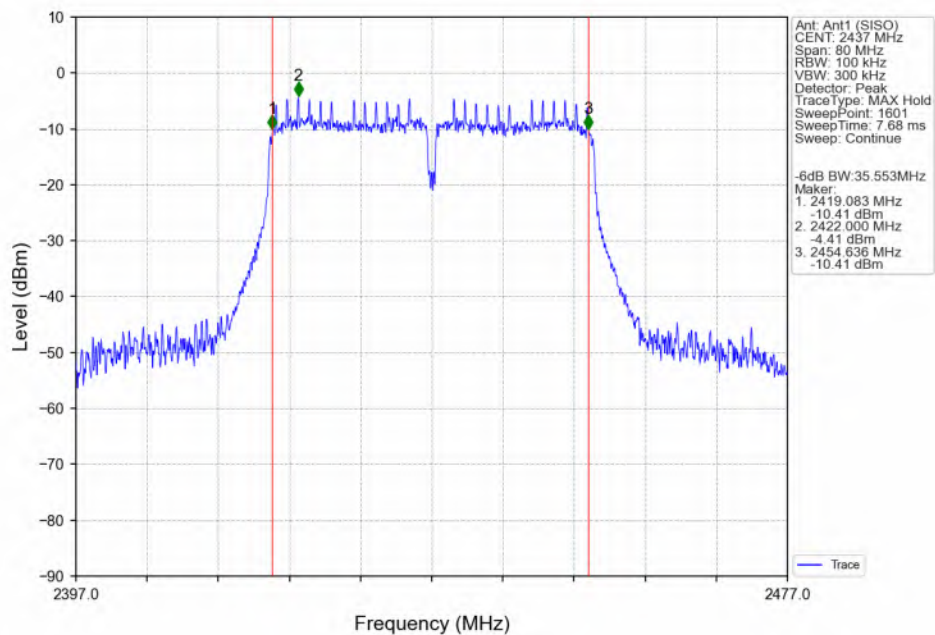
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



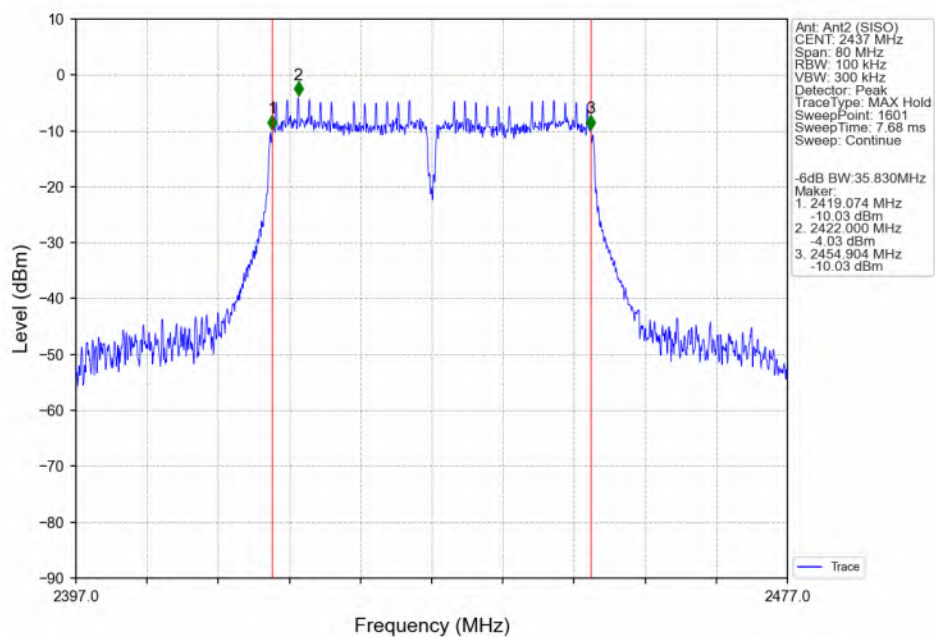
802.11n(HT40) LCH 2422MHz Ant2 (SISO) NTNV



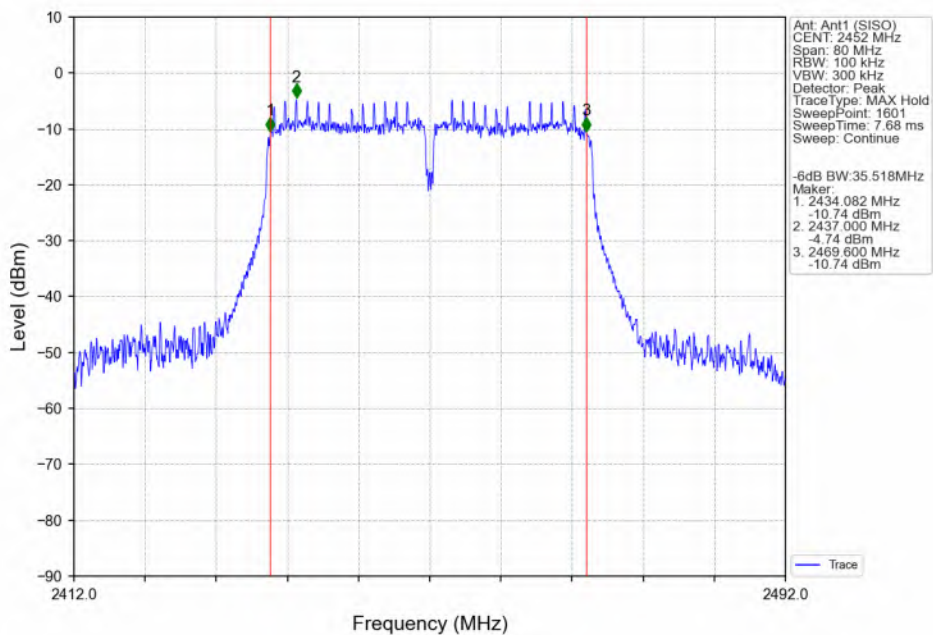
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



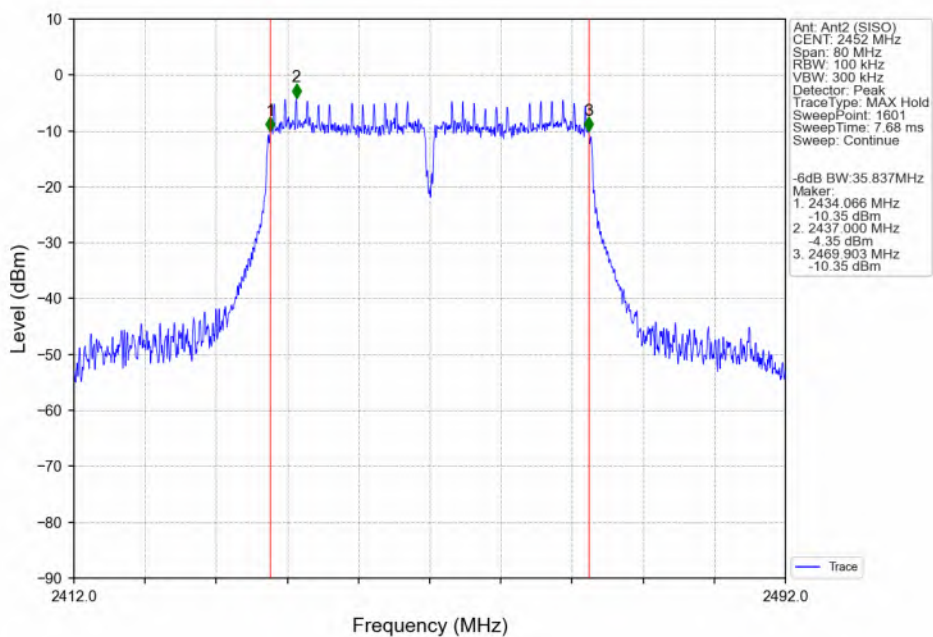
802.11n(HT40) MCH 2437MHz Ant2 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant2 (SISO) NTNV



2. Maximum Conducted Output Power

2.1 Test Result

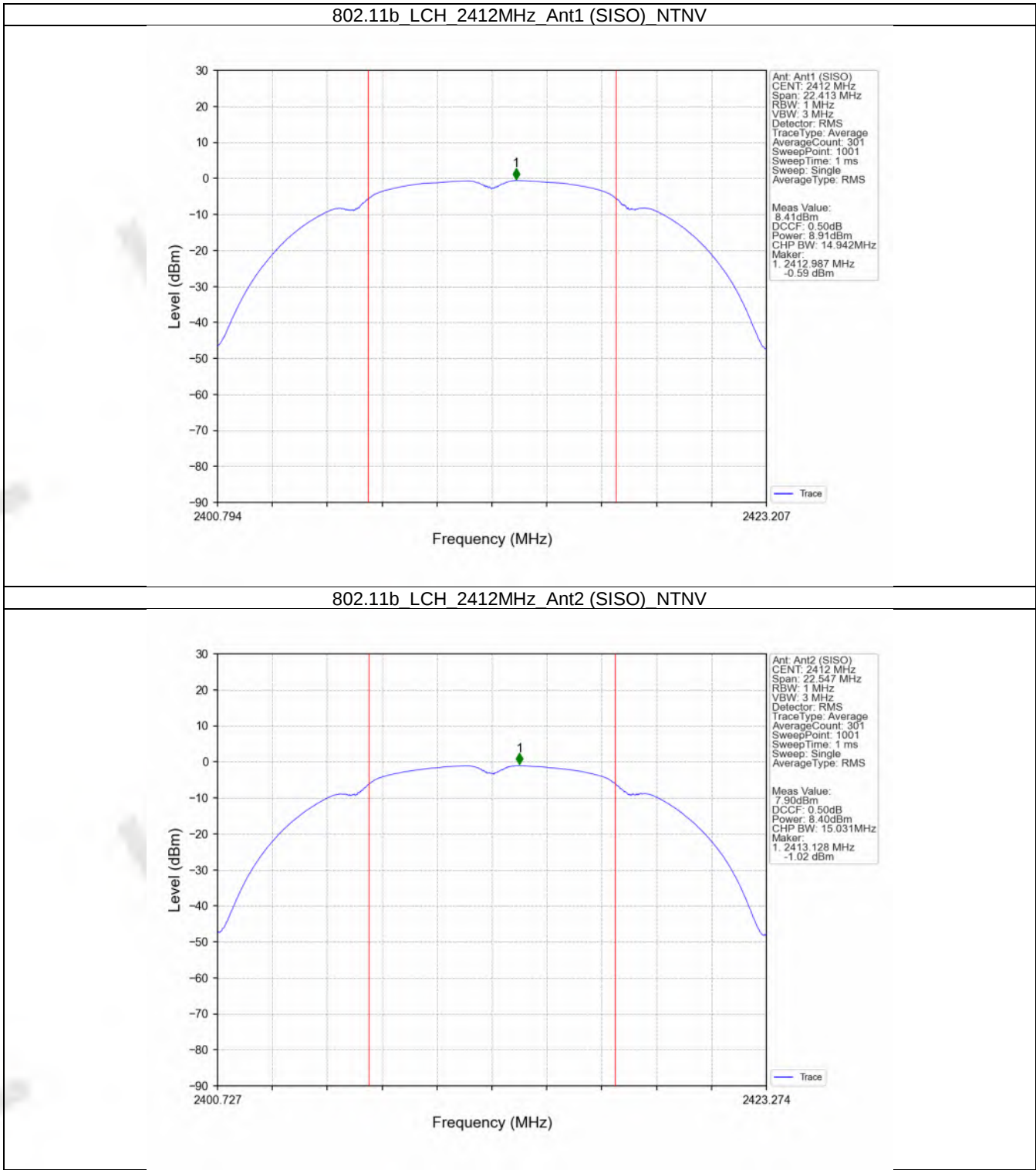
2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)			Verdict
			ANT1	ANT2	Limit	
802.11b	SISO	2412	8.91	8.40	<=30	Pass
		2437	8.58	9.15	<=30	Pass
		2462	9.21	9.10	<=30	Pass
802.11g	SISO	2412	9.02	9.31	<=30	Pass
		2437	9.34	8.14	<=30	Pass
		2462	9.12	8.99	<=30	Pass
802.11n (HT20)	SISO	2412	8.74	9.49	<=30	Pass
		2437	9.40	8.12	<=30	Pass
		2462	9.04	9.38	<=30	Pass
802.11n (HT40)	SISO	2422	9.38	9.33	<=30	Pass
		2437	8.79	8.48	<=30	Pass
		2452	9.09	8.53	<=30	Pass

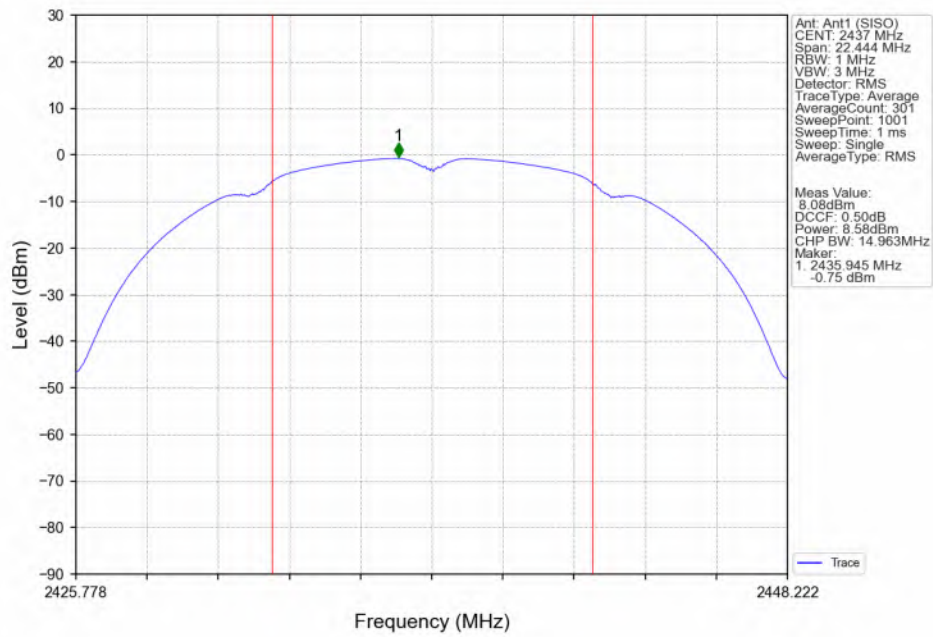
Note1: Antenna Gain: Ant1: 1.35dBi; Ant2: 1.37dBi;

2.2 Test Graph

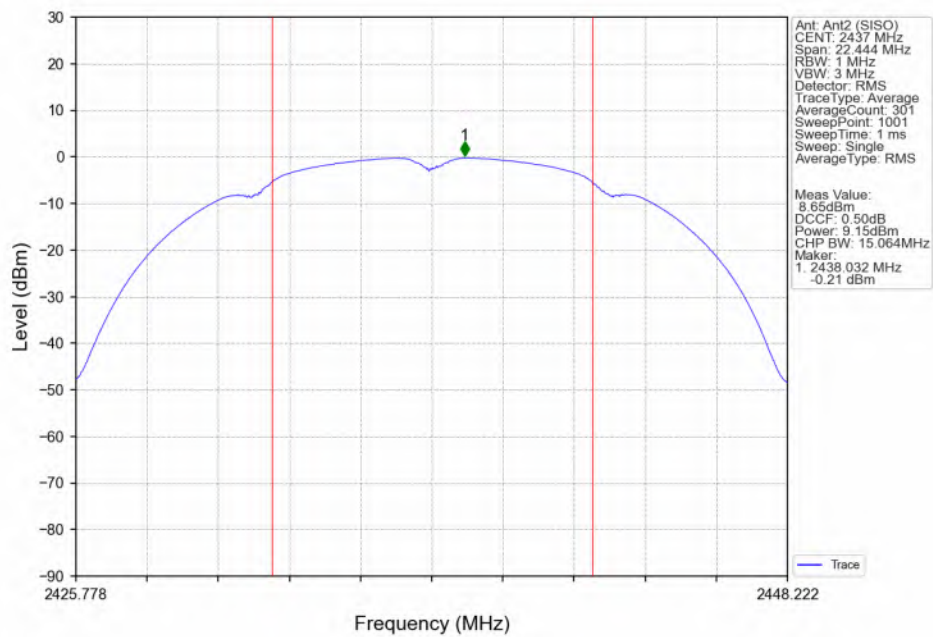
2.2.1 Power



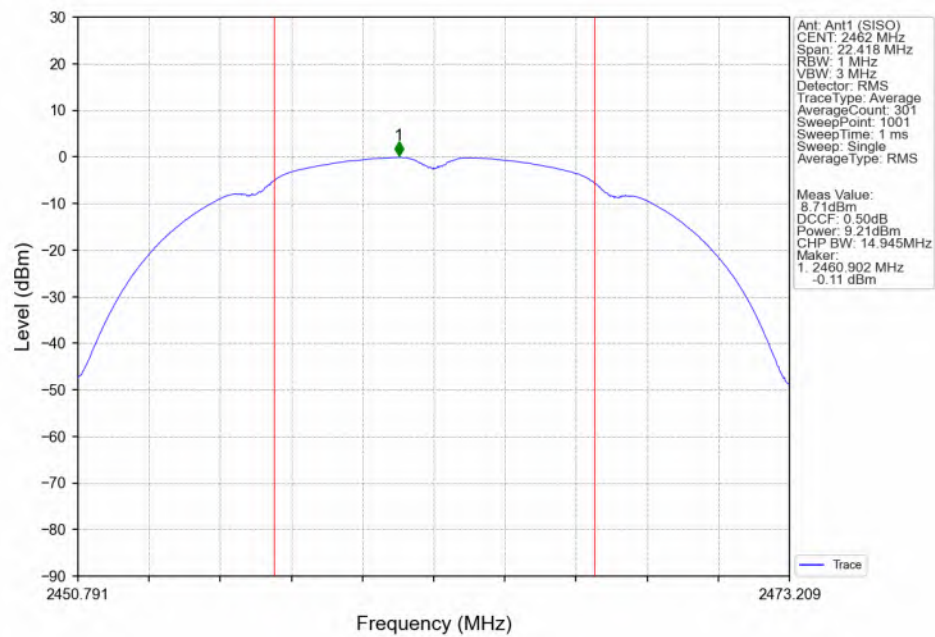
802.11b MCH 2437MHz Ant1 (SISO) NTN



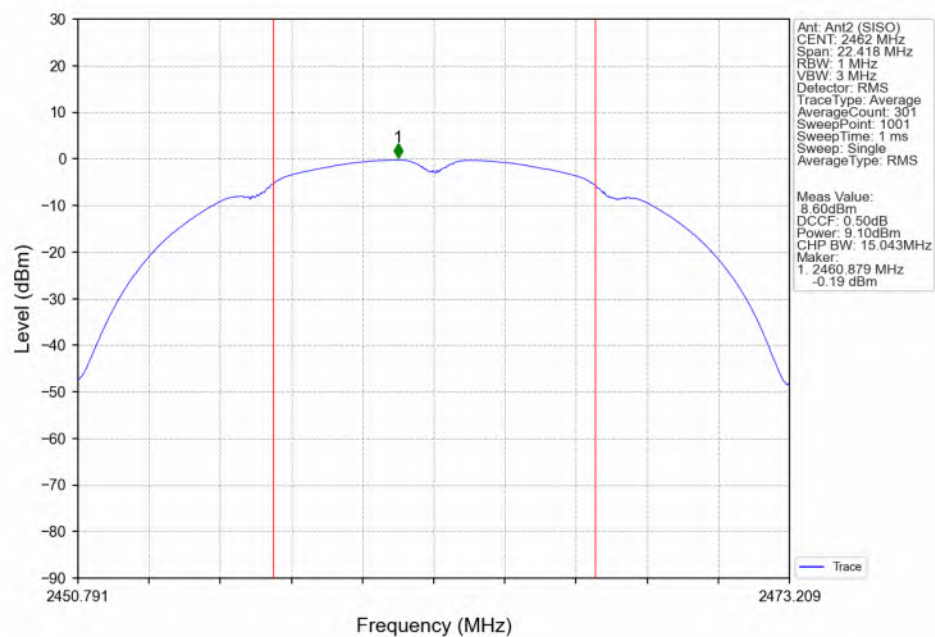
802.11b MCH 2437MHz Ant2 (SISO) NTN



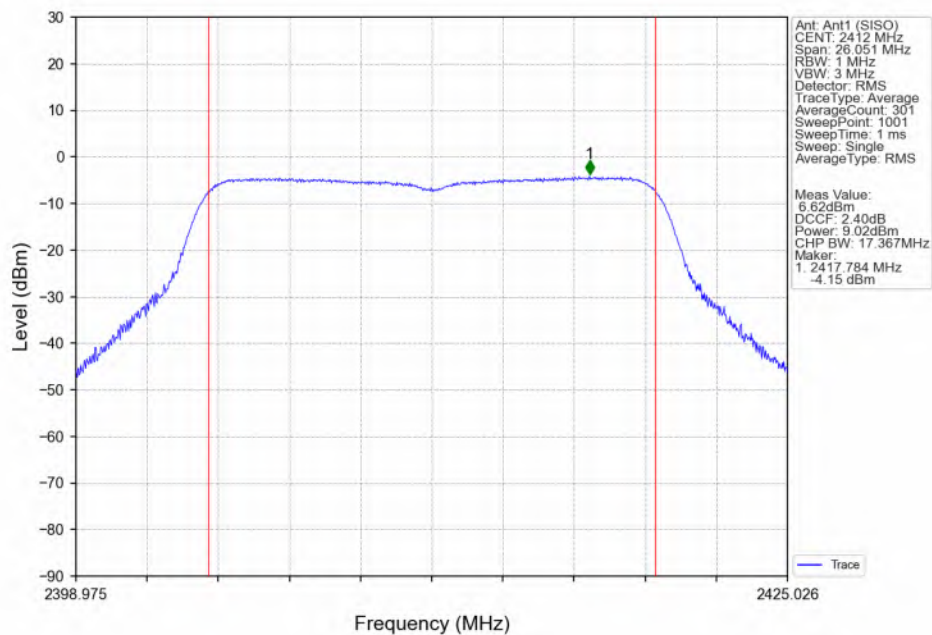
802.11b HCH 2462MHz Ant1 (SISO) NTN



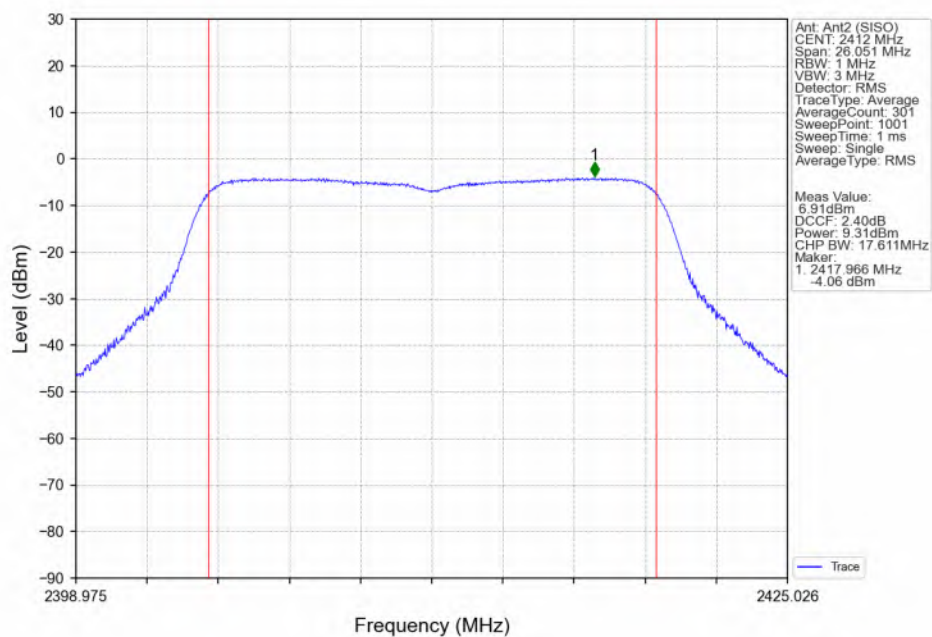
802.11b HCH 2462MHz Ant2 (SISO) NTN



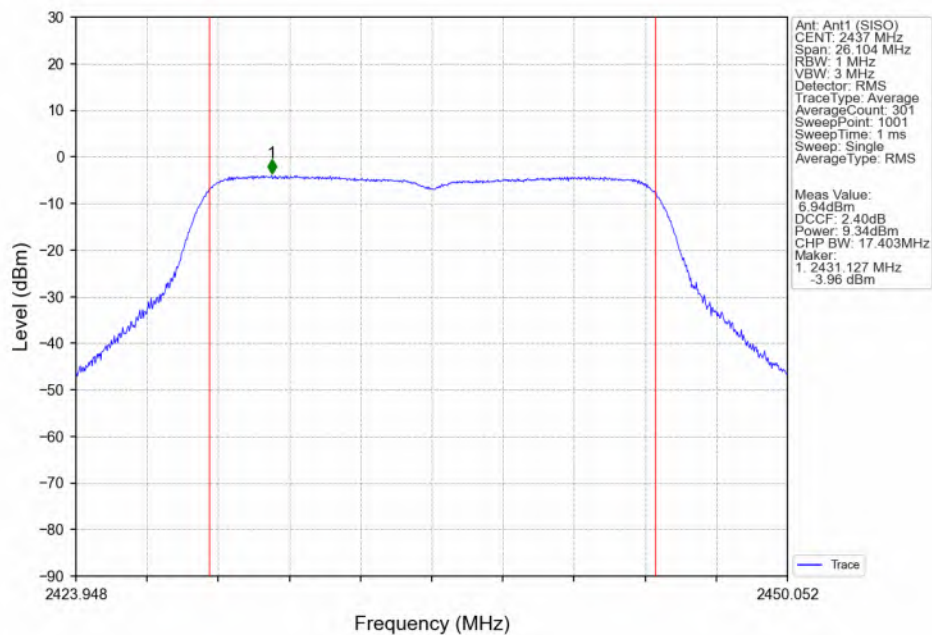
802.11g LCH 2412MHz Ant1 (SISO) NTN



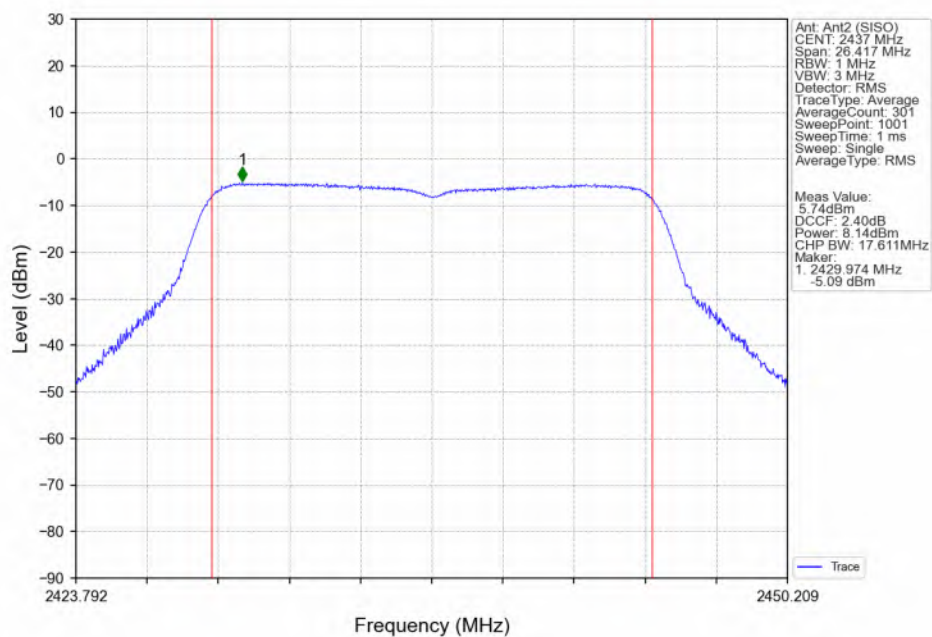
802.11g LCH 2412MHz Ant2 (SISO) NTN



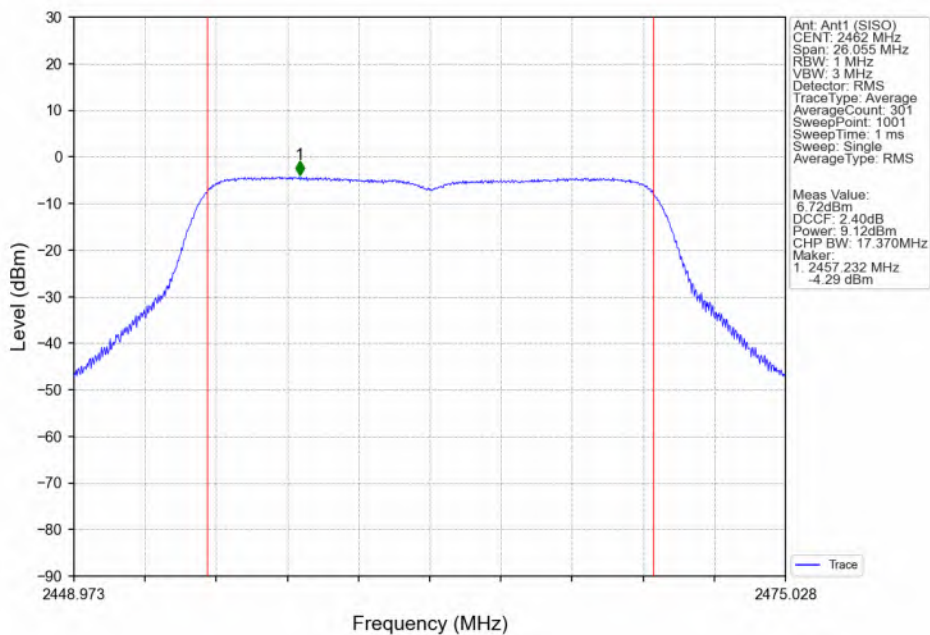
802.11g MCH 2437MHz Ant1 (SISO) NTN



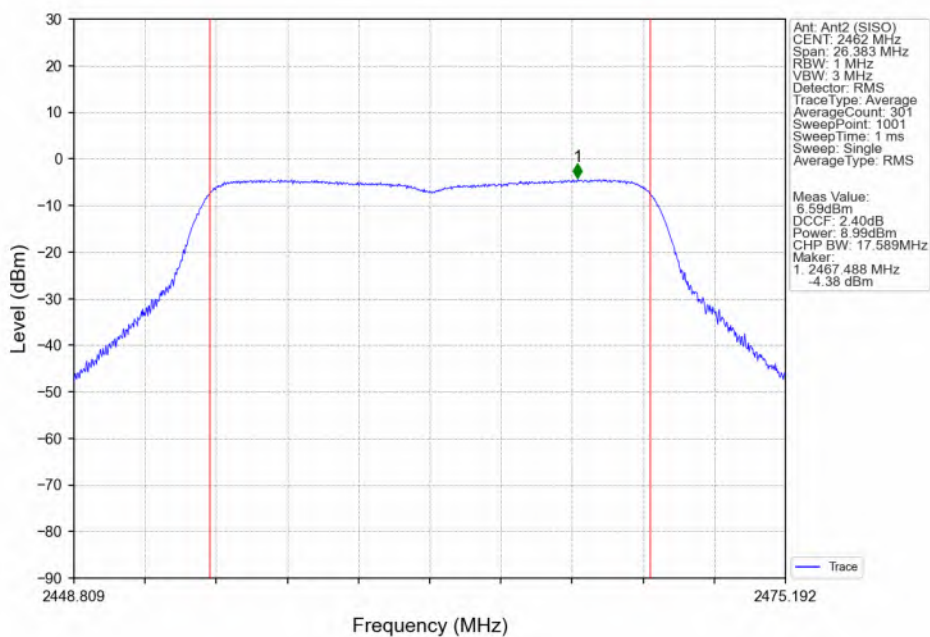
802.11g MCH 2437MHz Ant2 (SISO) NTN



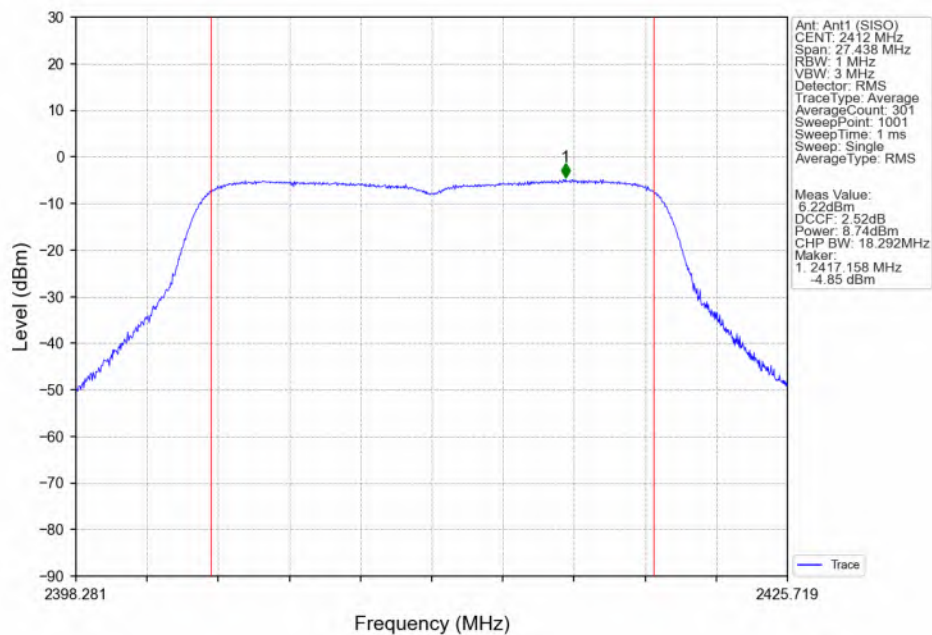
802.11g HCH 2462MHz Ant1 (SISO) NTN



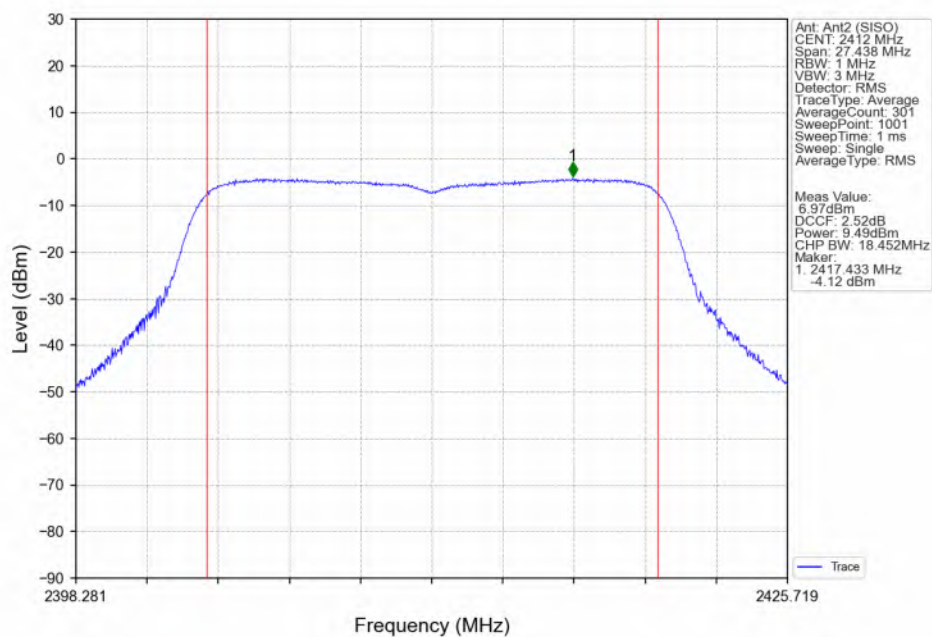
802.11g HCH 2462MHz Ant2 (SISO) NTN



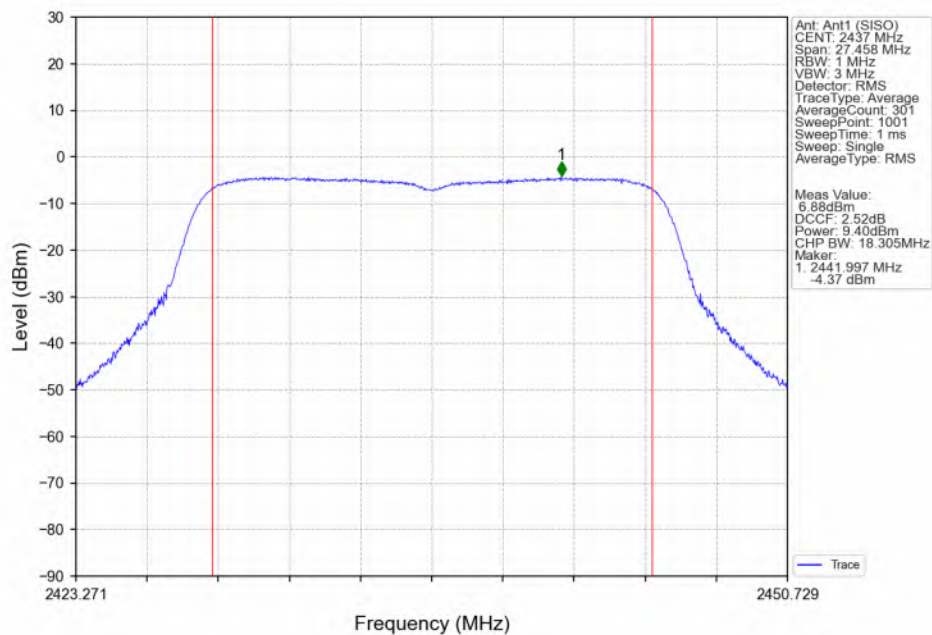
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTNV



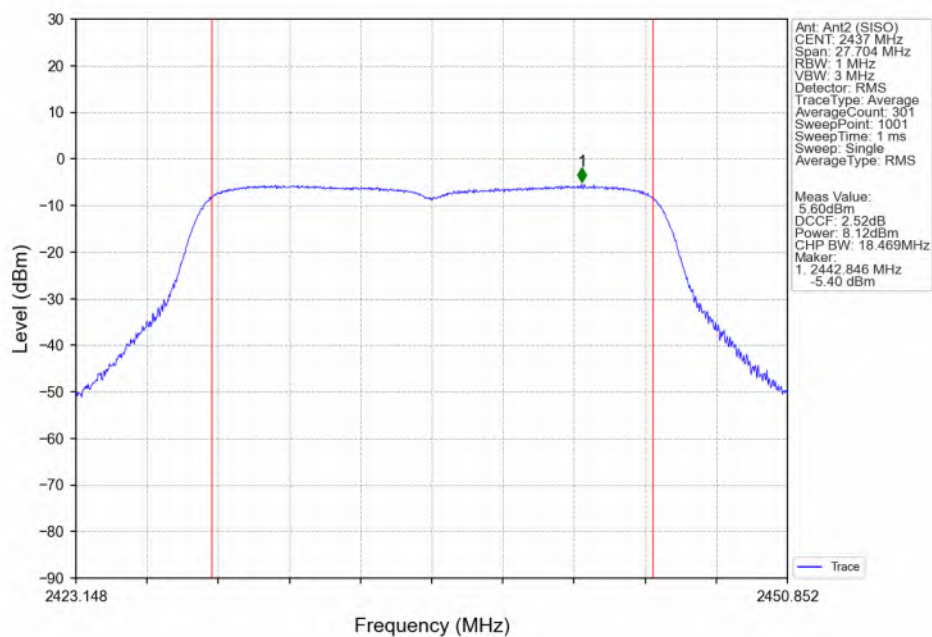
802.11n(HT20) LCH 2412MHz Ant2 (SISO) NTNV



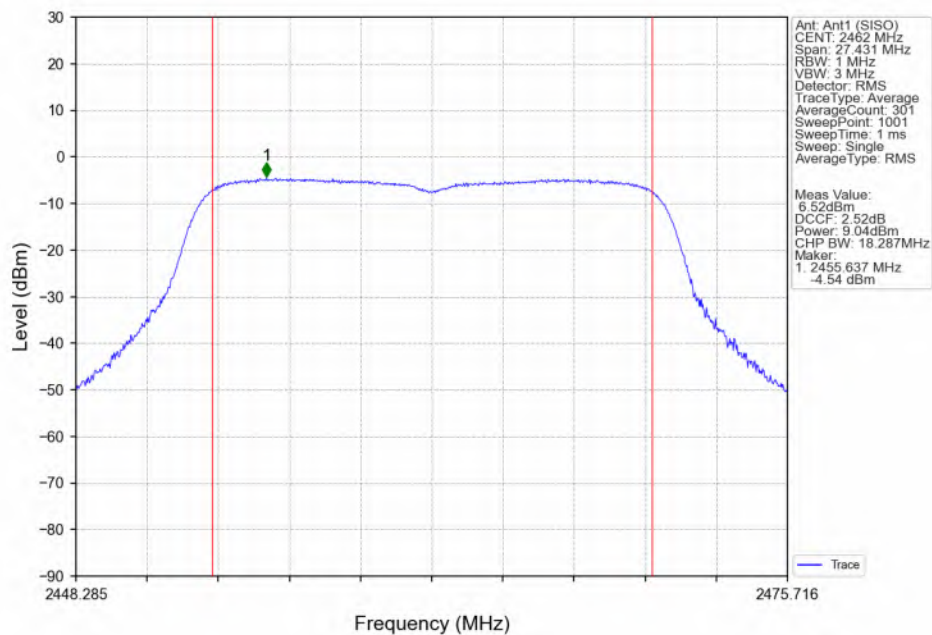
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



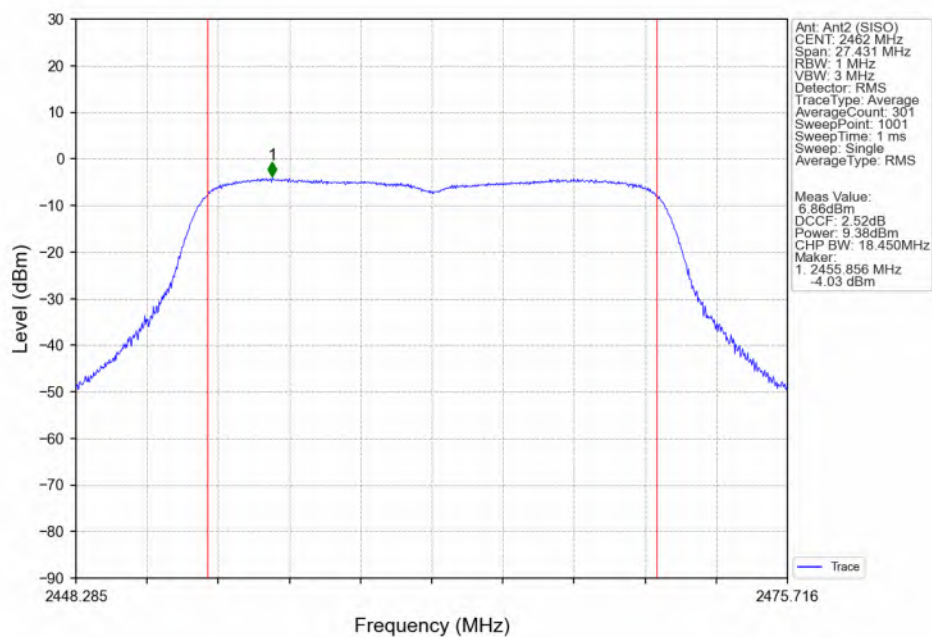
802.11n(HT20) MCH 2437MHz Ant2 (SISO) NTNV



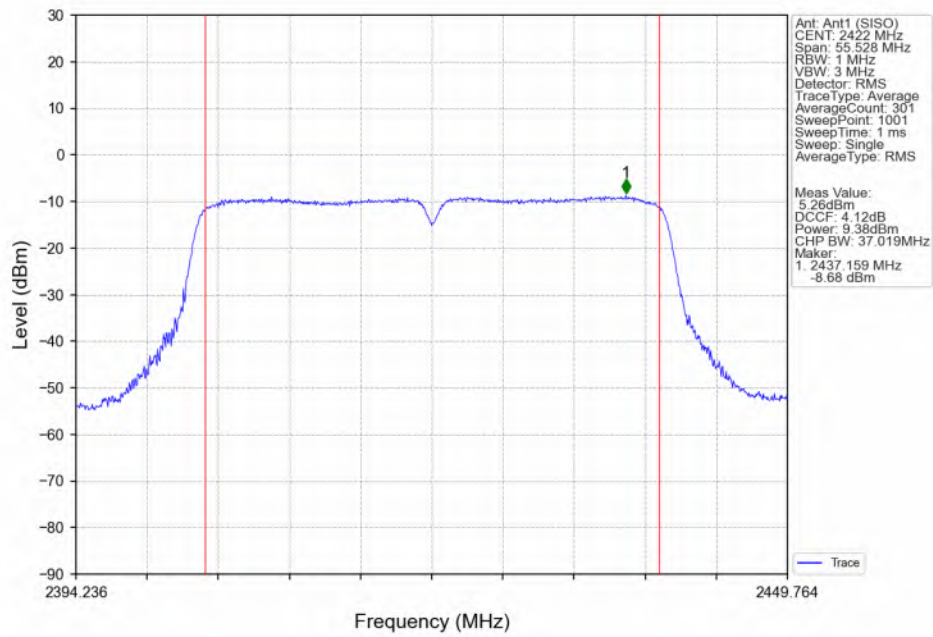
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



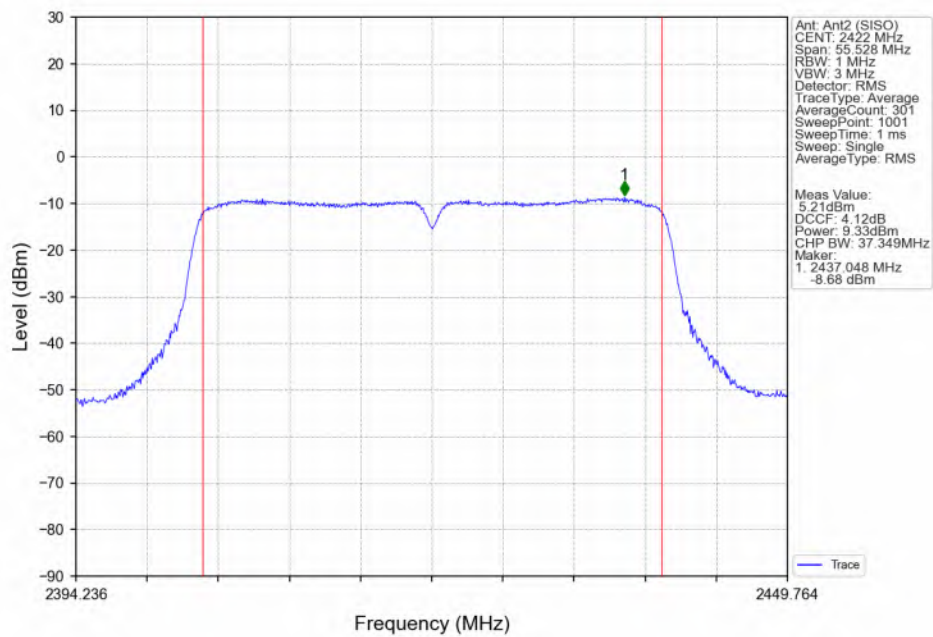
802.11n(HT20) HCH 2462MHz Ant2 (SISO) NTNV



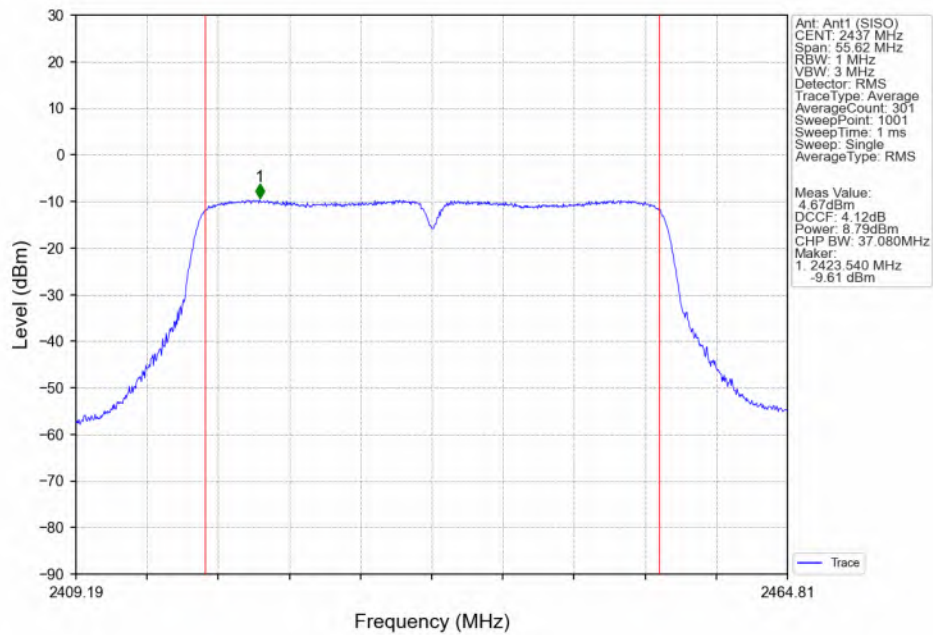
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



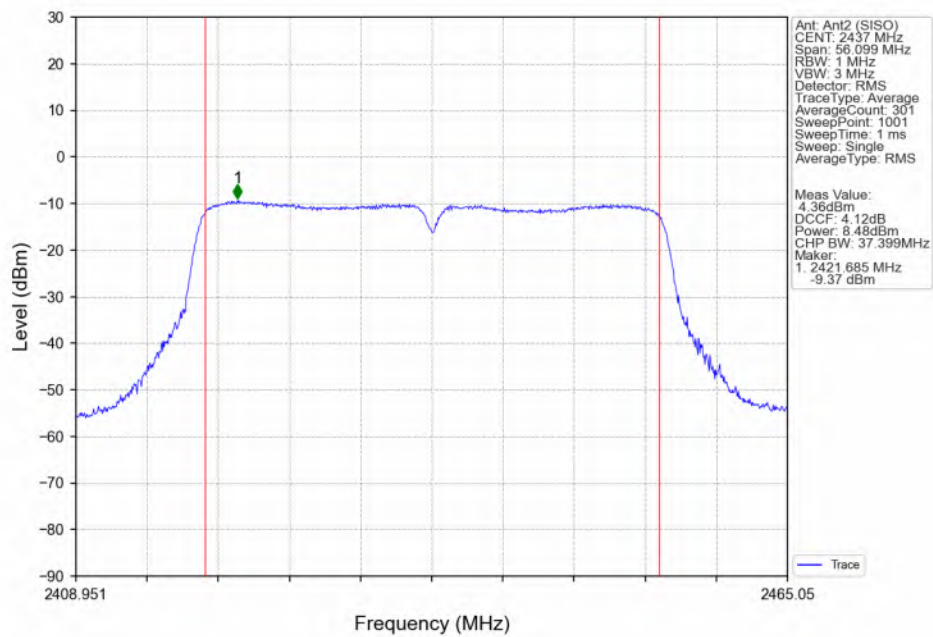
802.11n(HT40) LCH 2422MHz Ant2 (SISO) NTNV



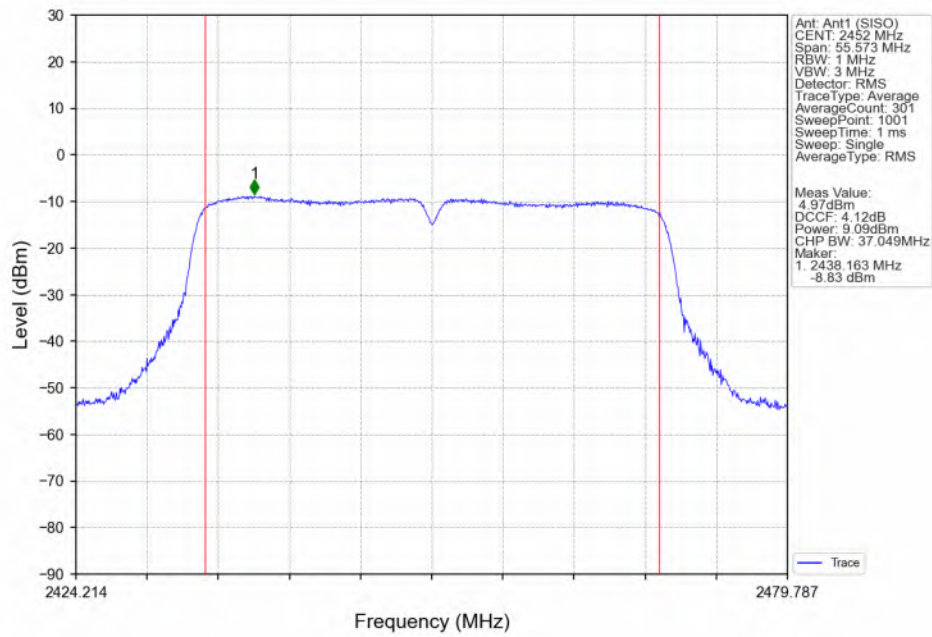
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



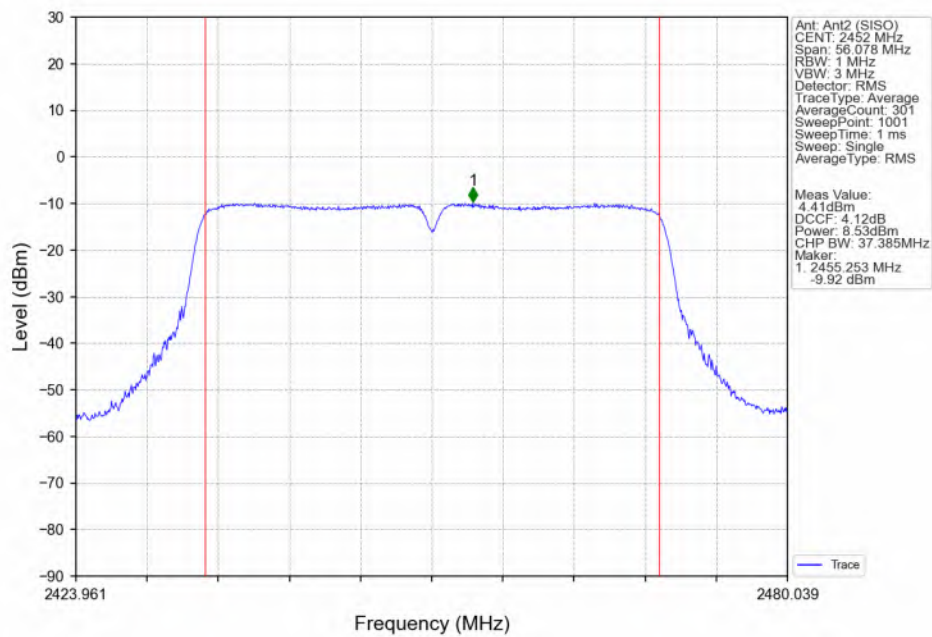
802.11n(HT40) MCH 2437MHz Ant2 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant2 (SISO) NTNV



3. Maximum Power Spectral Density

3.1 Test Result

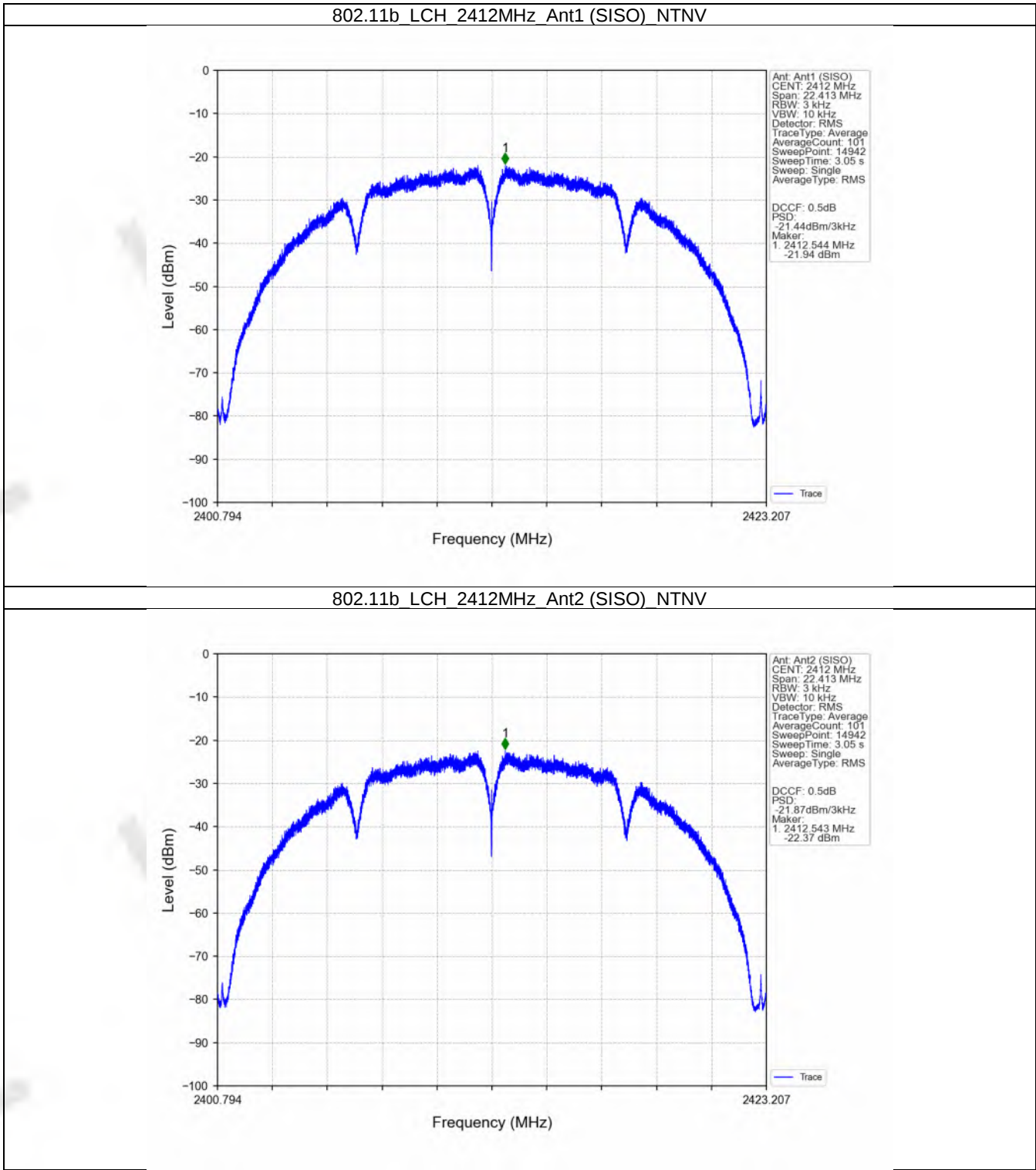
3.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)			Verdict
			ANT1	ANT2	Limit	
802.11b	SISO	2412	-21.44	-21.87	<=8	Pass
		2437	-22.10	-22.25	<=8	Pass
		2462	-22.47	-22.32	<=8	Pass
802.11g	SISO	2412	-21.36	-21.71	<=8	Pass
		2437	-21.26	-20.77	<=8	Pass
		2462	-21.82	-21.23	<=8	Pass
802.11n (HT20)	SISO	2412	-20.96	-21.56	<=8	Pass
		2437	-21.10	-20.29	<=8	Pass
		2462	-21.15	-21.19	<=8	Pass
802.11n (HT40)	SISO	2422	-22.47	-21.90	<=8	Pass
		2437	-22.60	-22.78	<=8	Pass
		2452	-22.78	-23.10	<=8	Pass

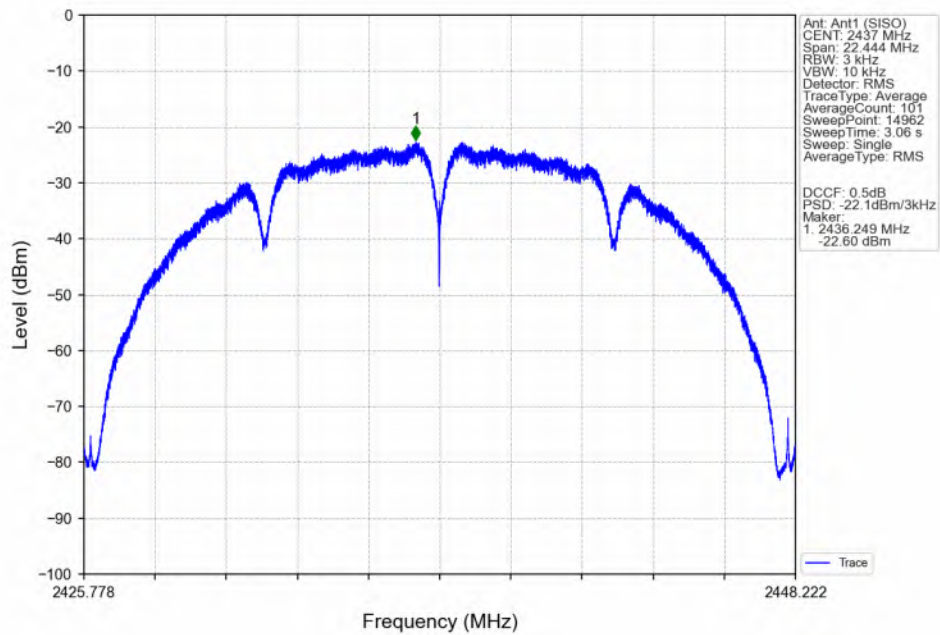
Note1: Antenna Gain: Ant1: 1.35dBi; Ant2: 1.37dBi;

3.2 Test Graph

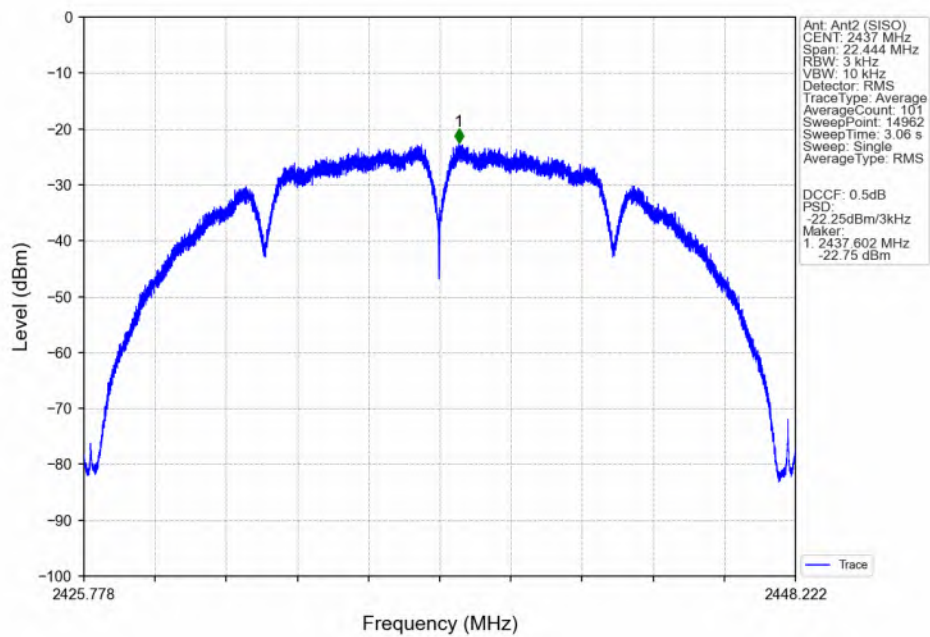
3.2.1 PSD



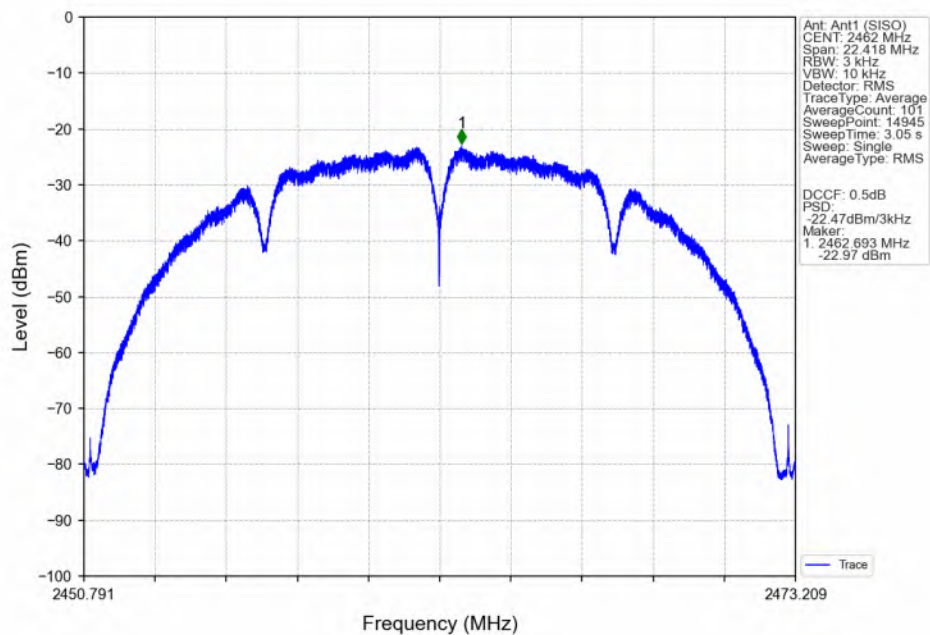
802.11b MCH 2437MHz Ant1 (SISO) NTN



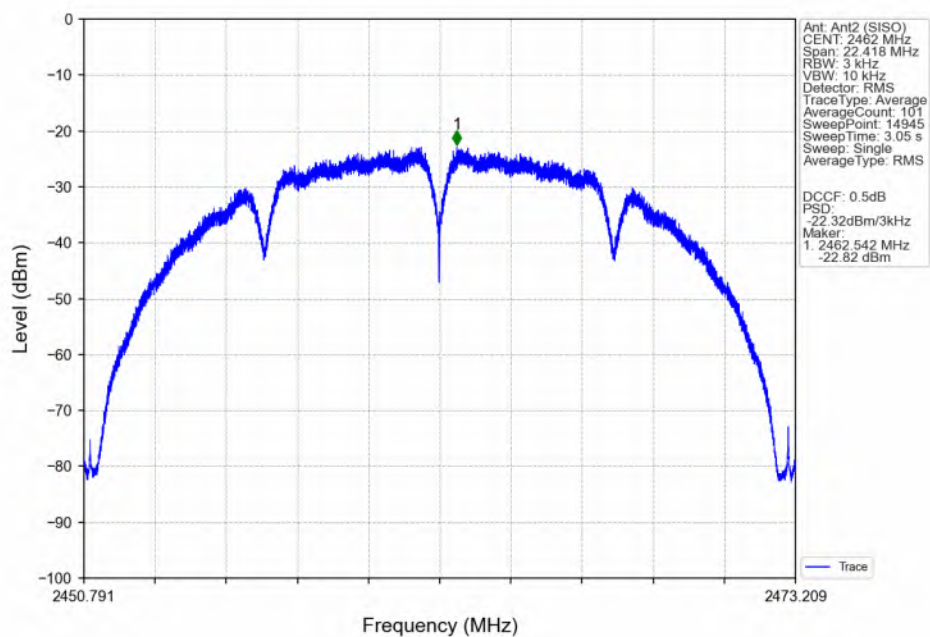
802.11b MCH 2437MHz Ant2 (SISO) NTN



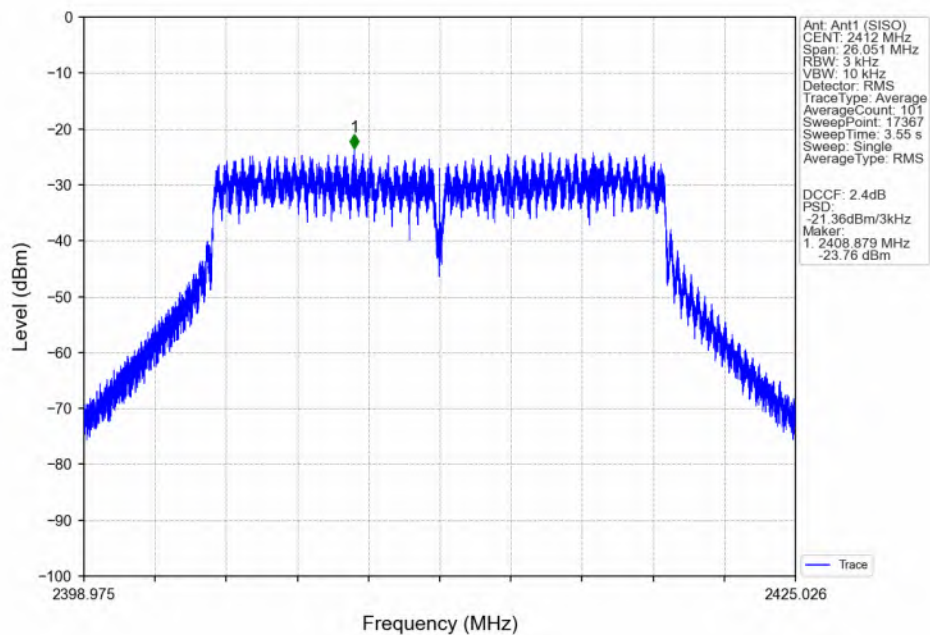
802.11b HCH 2462MHz Ant1 (SISO) NTN



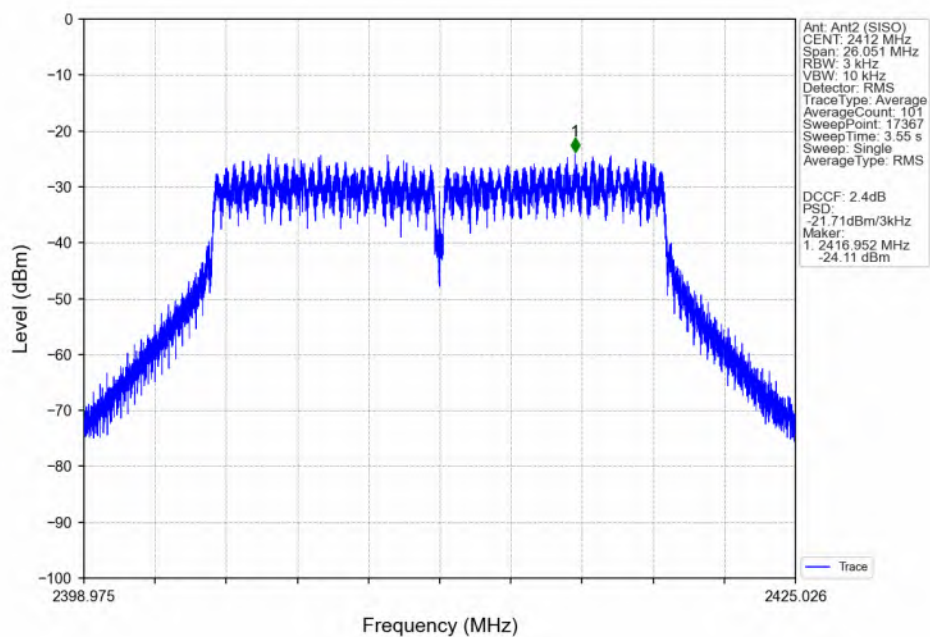
802.11b HCH 2462MHz Ant2 (SISO) NTN



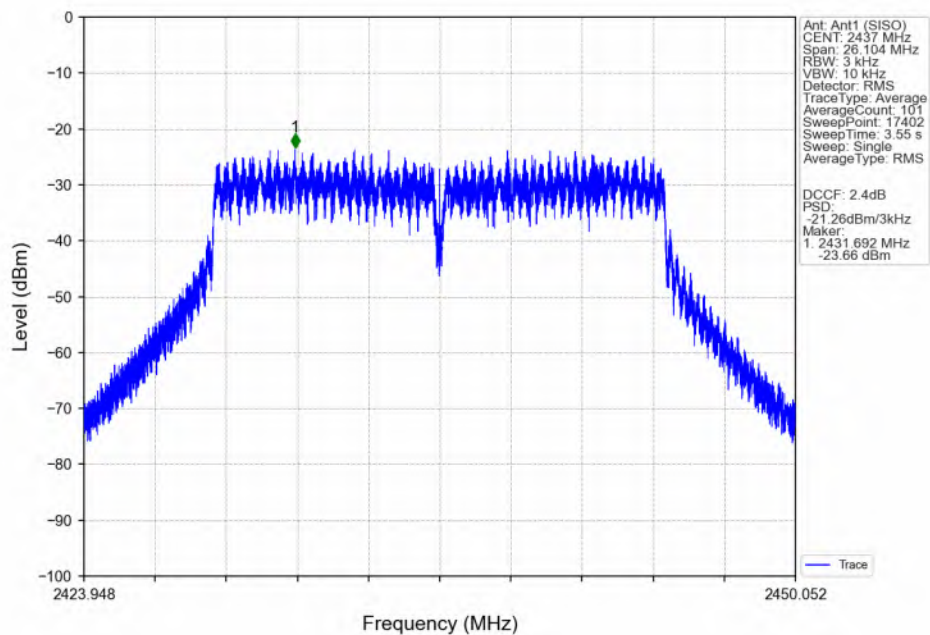
802.11g LCH 2412MHz Ant1 (SISO) NTN



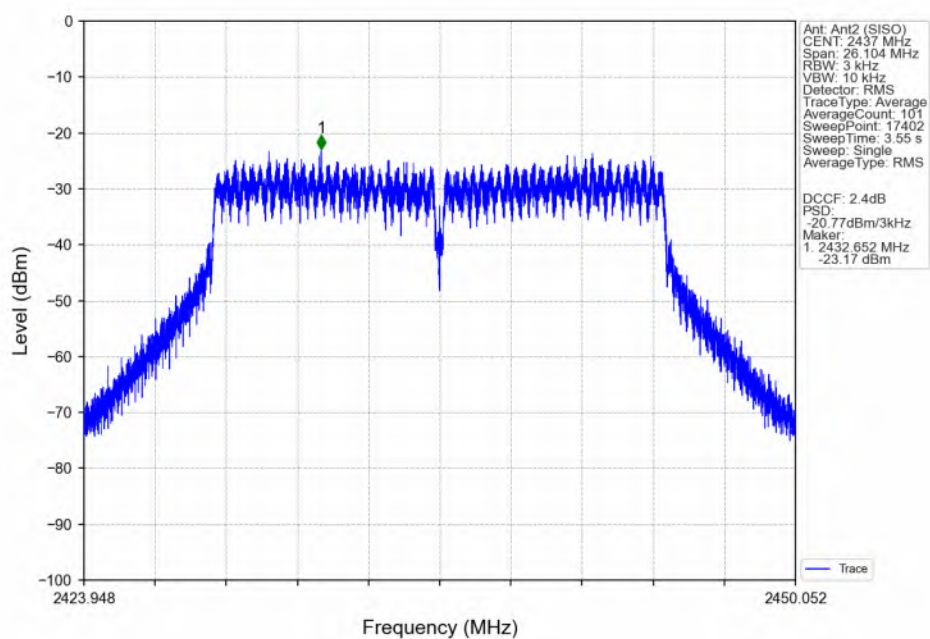
802.11g LCH 2412MHz Ant2 (SISO) NTN



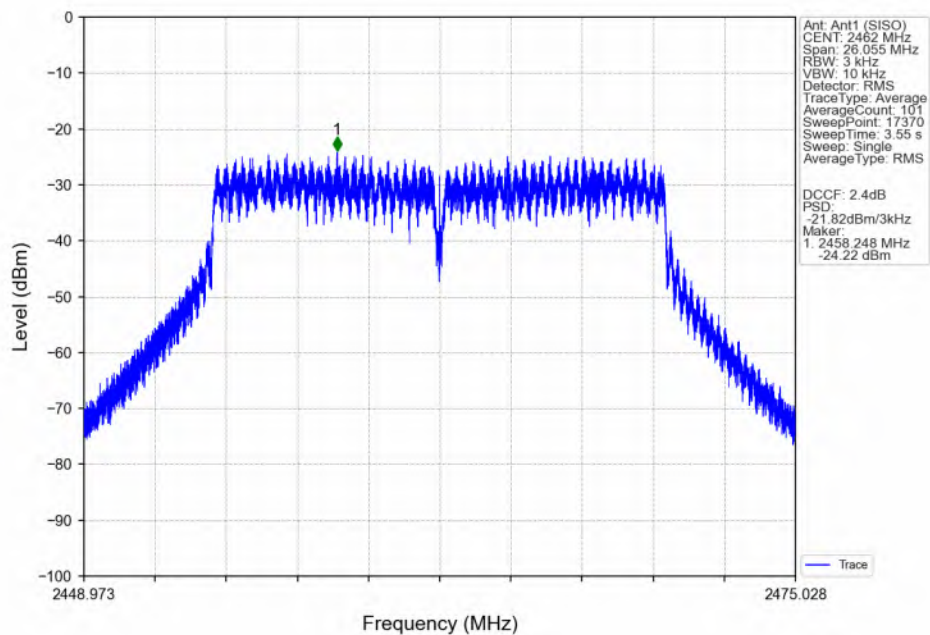
802.11g MCH 2437MHz Ant1 (SISO) NTNV



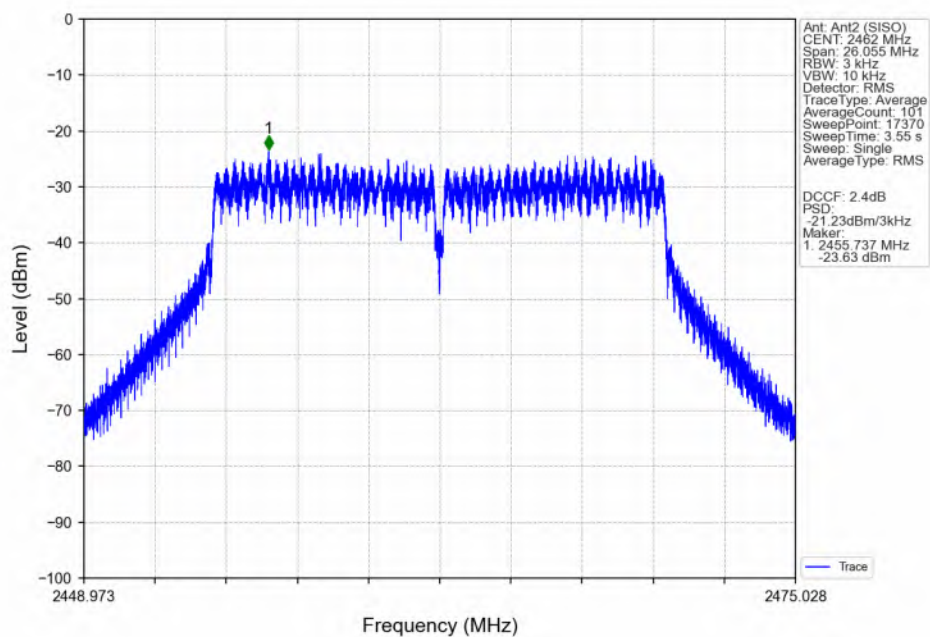
802.11g MCH 2437MHz Ant2 (SISO) NTNV



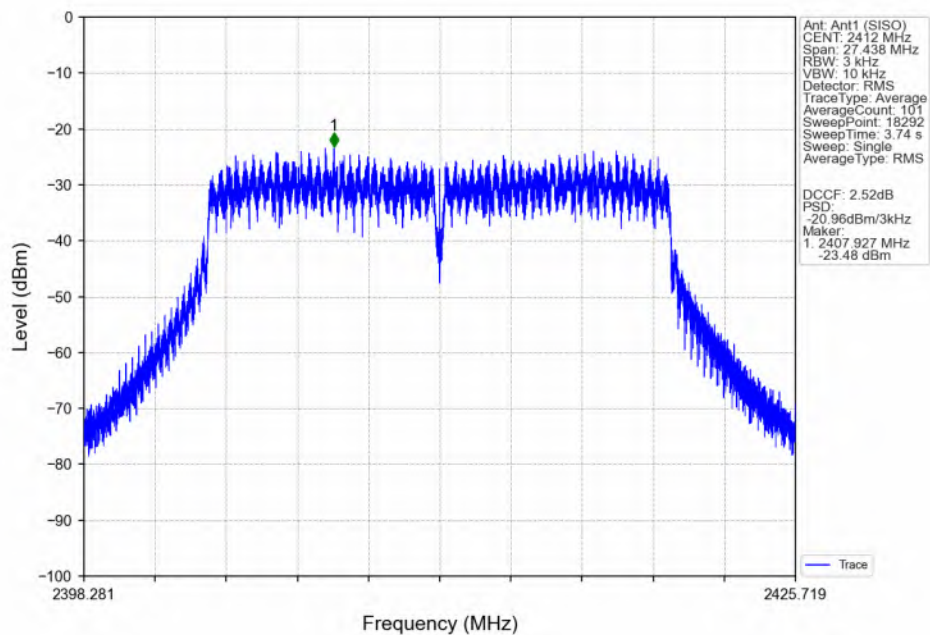
802.11g HCH 2462MHz Ant1 (SISO) NTN



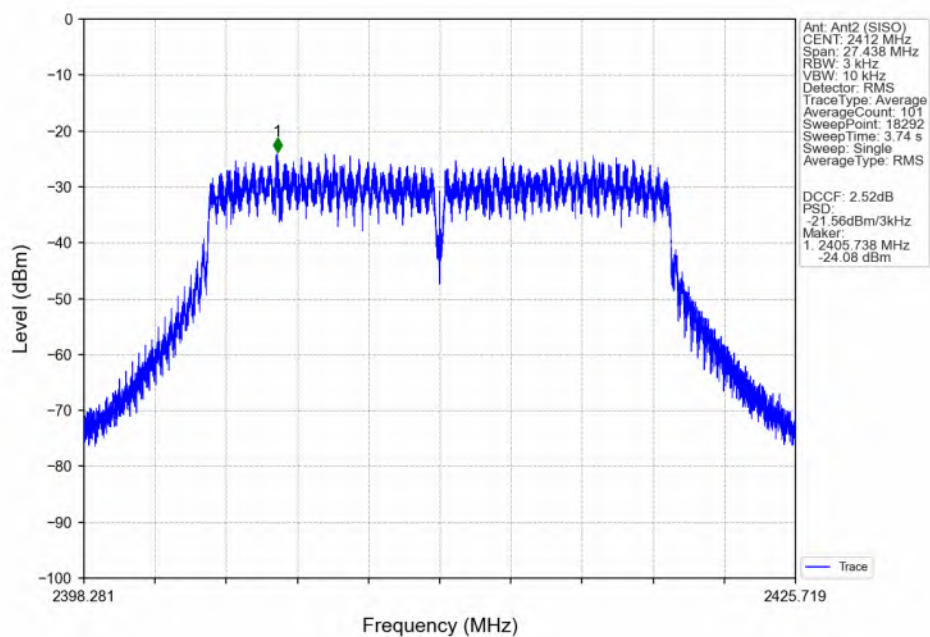
802.11g HCH 2462MHz Ant2 (SISO) NTN



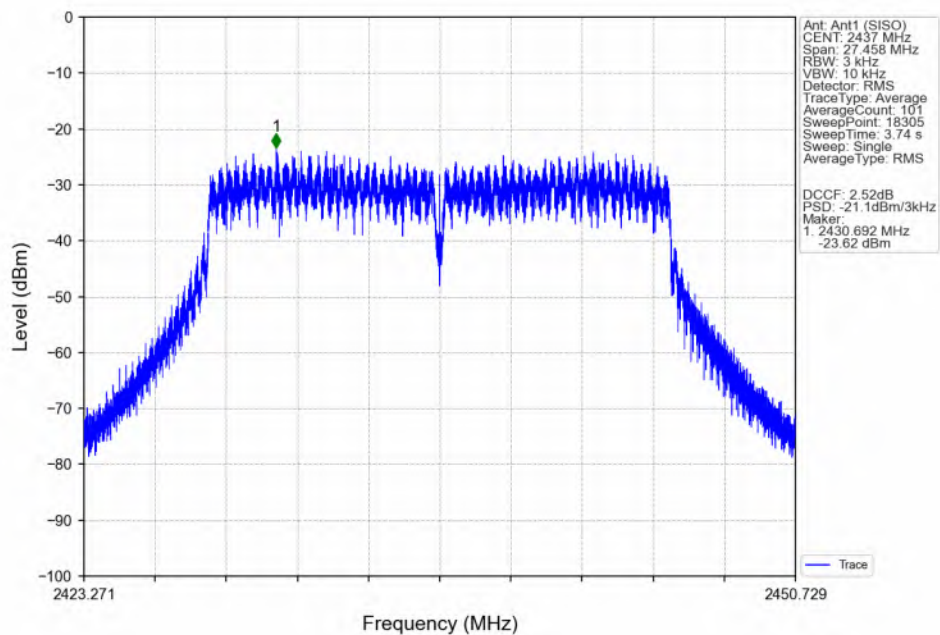
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTVN



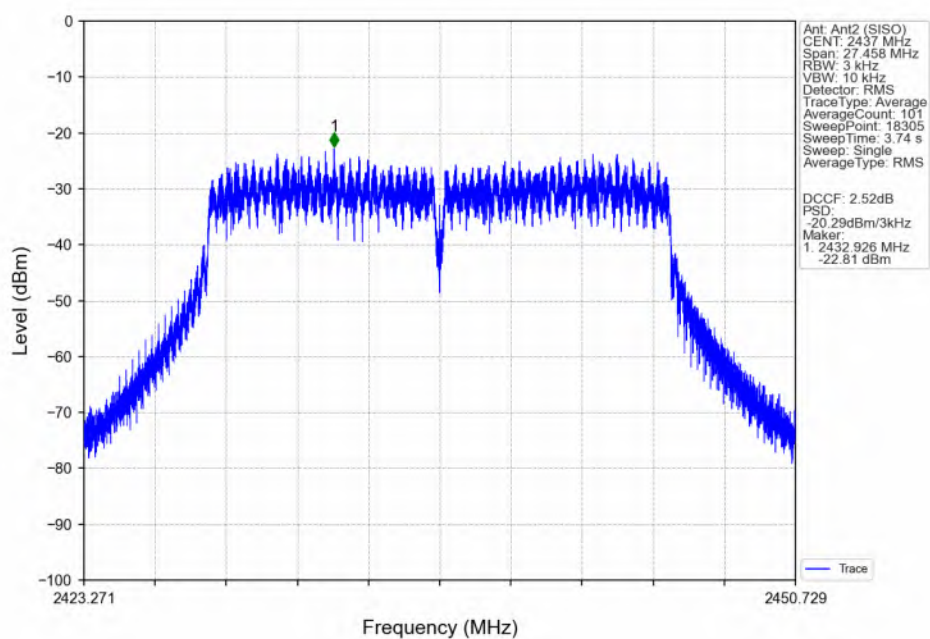
802.11n(HT20) LCH 2412MHz Ant2 (SISO) NTVN



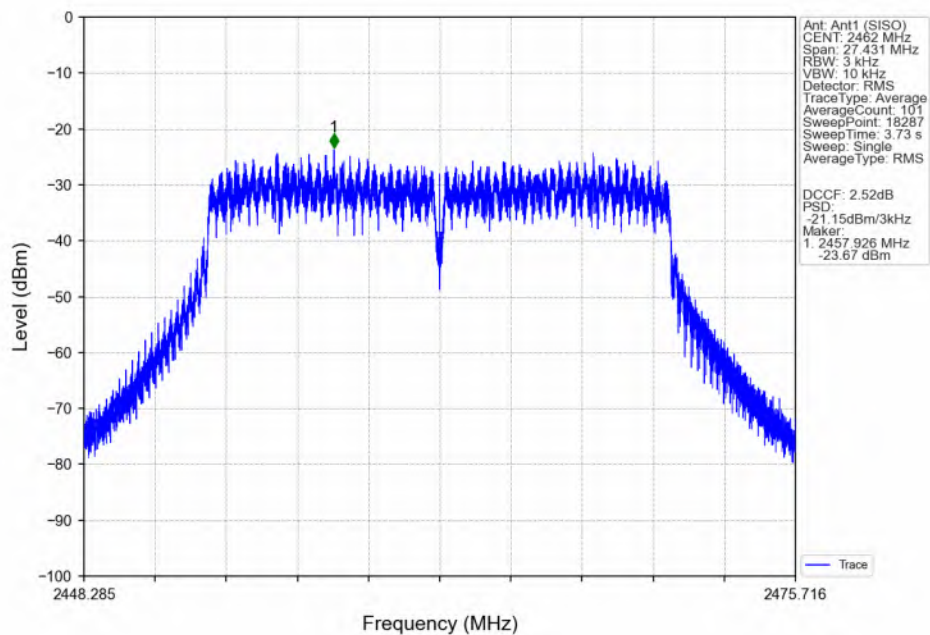
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



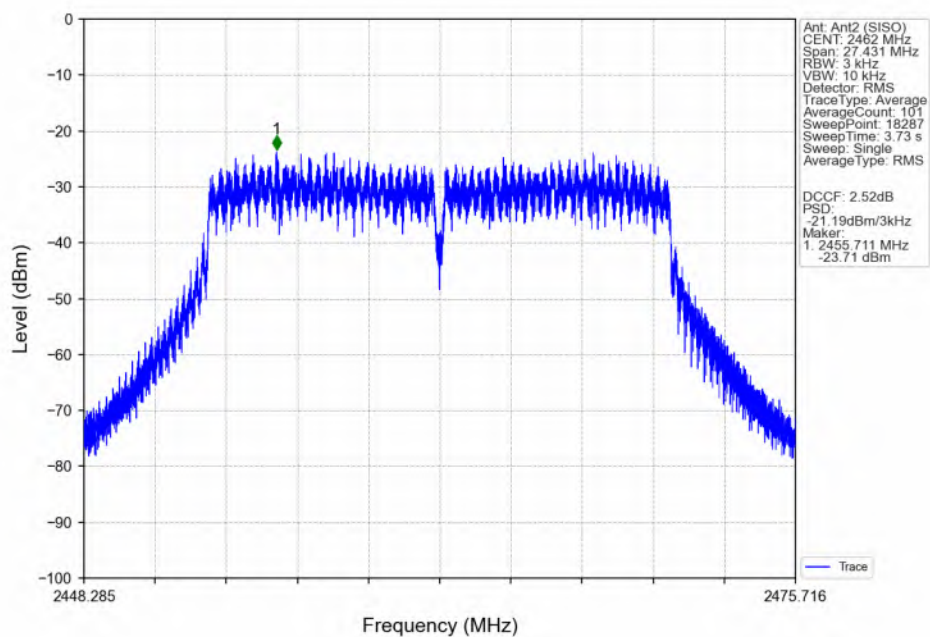
802.11n(HT20) MCH 2437MHz Ant2 (SISO) NTNV



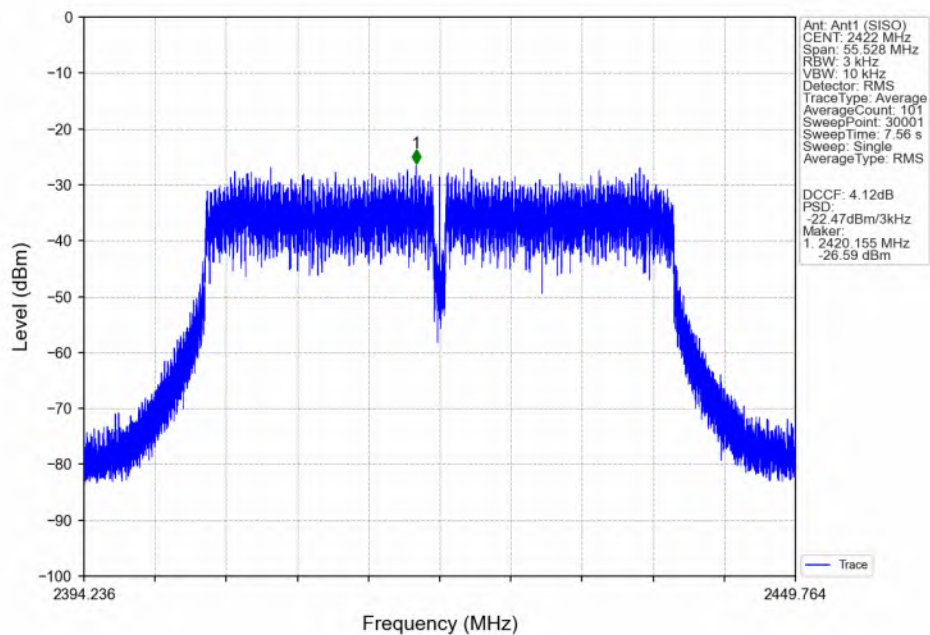
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTNV



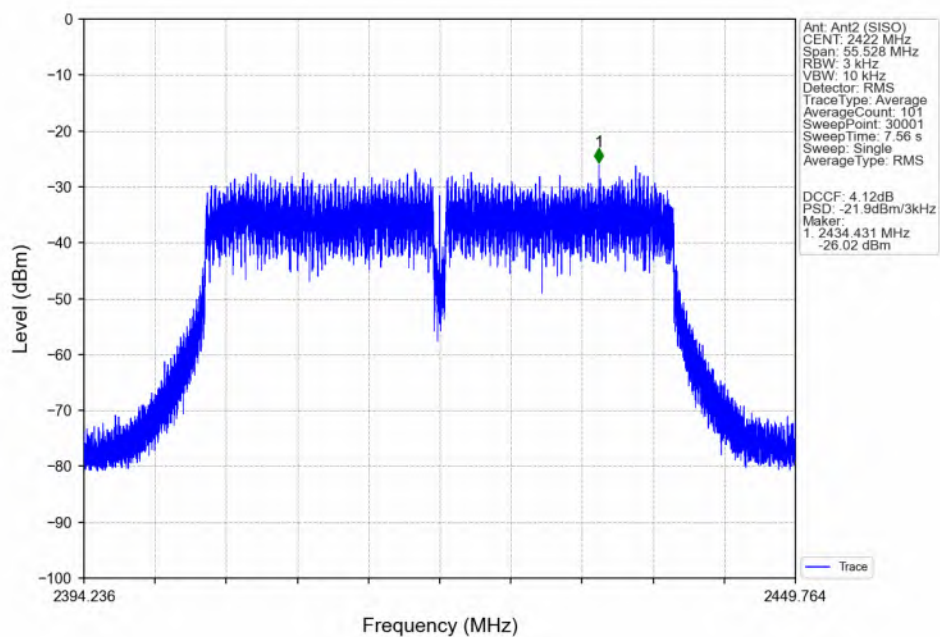
802.11n(HT20) HCH 2462MHz Ant2 (SISO) NTNV



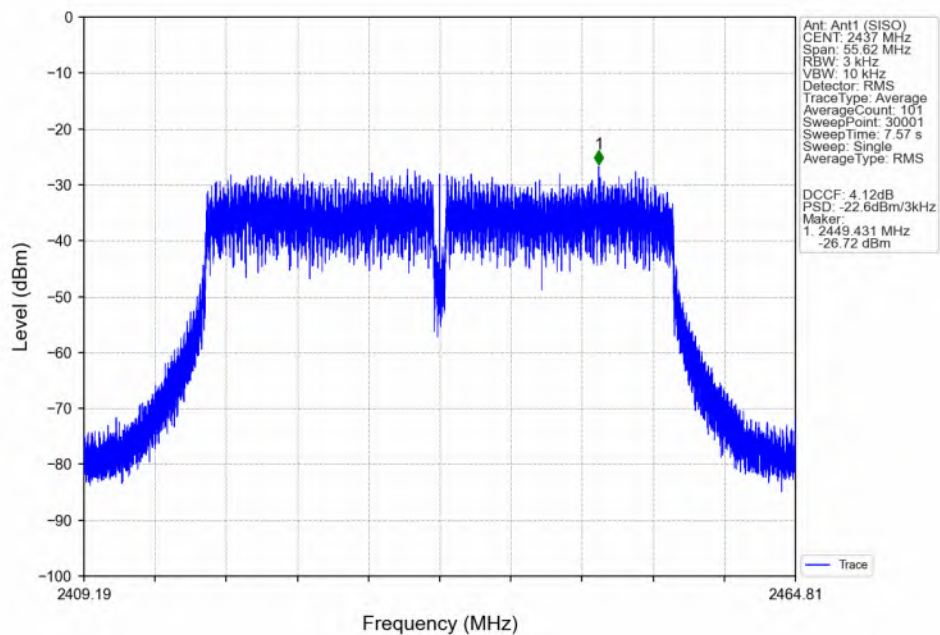
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



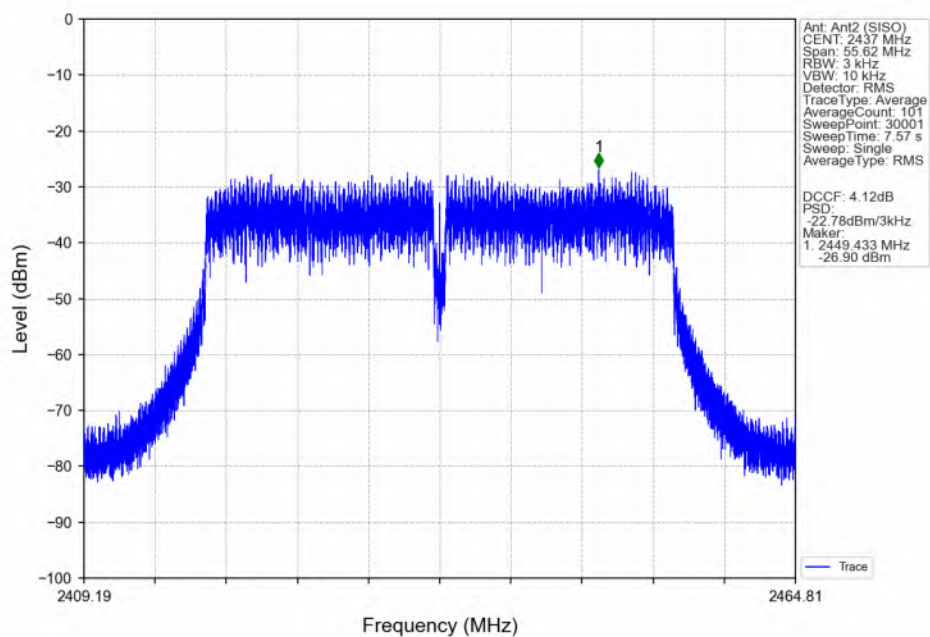
802.11n(HT40) LCH 2422MHz Ant2 (SISO) NTNV



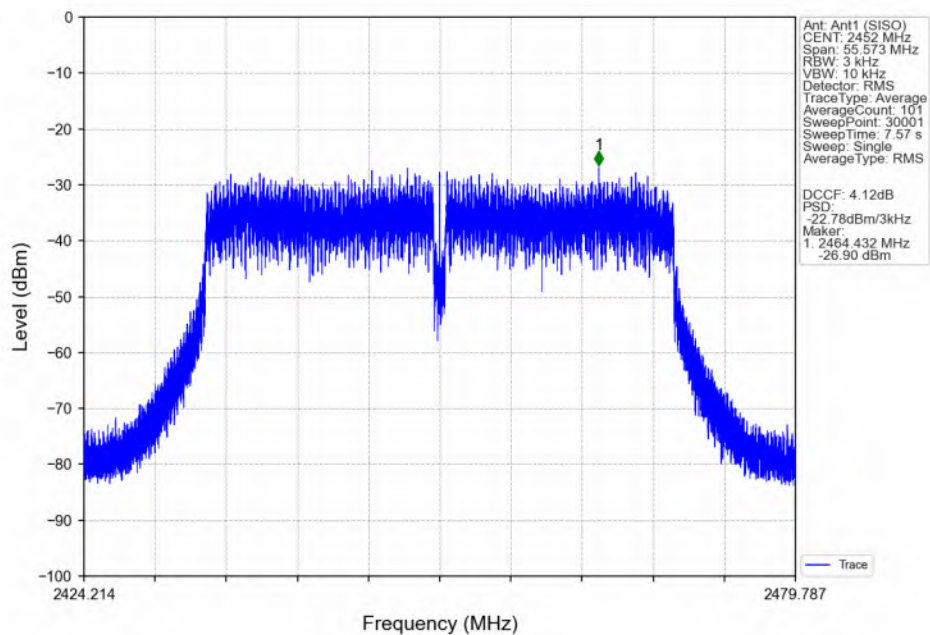
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



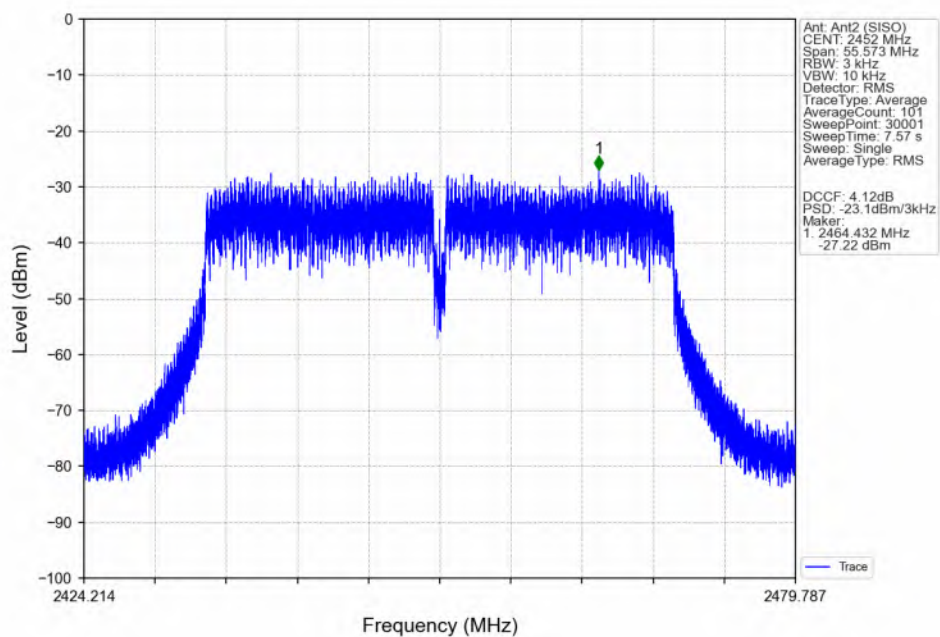
802.11n(HT40) MCH 2437MHz Ant2 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant2 (SISO) NTNV



4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Test Result

4.1.1 Ref

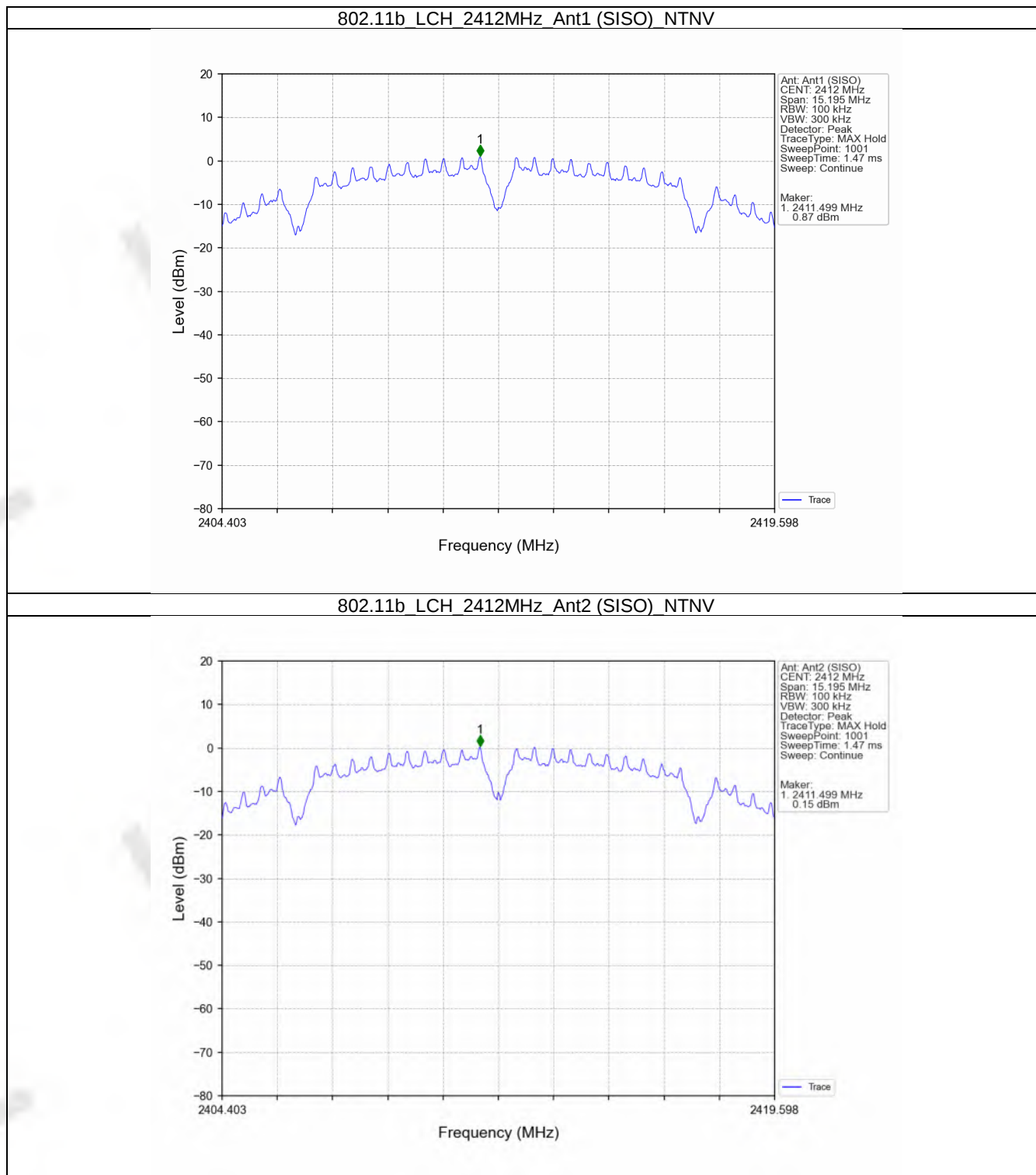
Mode	Tx Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	0.87
			2	0.15
		2437	1	0.52
			2	0.03
		2462	1	0.03
			2	-0.23
802.11g	SISO	2412	1	-1.06
			2	-2.02
		2437	1	-1.38
			2	-1.06
		2462	1	-1.49
			2	-1.36
802.11n (HT20)	SISO	2412	1	-1.16
			2	-1.04
		2437	1	-1.27
			2	-1.25
		2462	1	-1.57
			2	-1.45
802.11n (HT40)	SISO	2422	1	-4.30
			2	-4.46
		2437	1	-4.58
			2	-4.09
		2452	1	-4.91
			2	-4.25
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.				

4.1.2 CSE

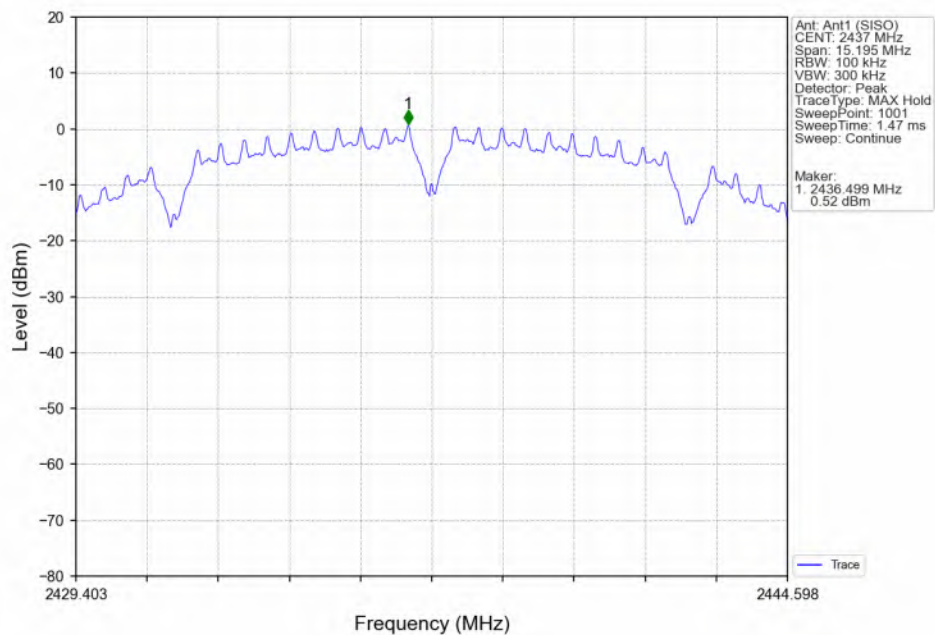
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	0.87	-29.13	Pass
			2	0.15	-29.85	Pass
		2437	1	0.87	-29.13	Pass
			2	0.15	-29.85	Pass
		2462	1	0.87	-29.13	Pass
			2	0.15	-29.85	Pass
802.11g	SISO	2412	1	-1.06	-31.06	Pass
			2	-1.06	-31.06	Pass
		2437	1	-1.06	-31.06	Pass
			2	-1.06	-31.06	Pass
		2462	1	-1.06	-31.06	Pass
			2	-1.06	-31.06	Pass
802.11n (HT20)	SISO	2412	1	-1.16	-31.16	Pass
			2	-1.04	-31.04	Pass
		2437	1	-1.16	-31.16	Pass
			2	-1.04	-31.04	Pass
		2462	1	-1.16	-31.16	Pass
			2	-1.04	-31.04	Pass
802.11n (HT40)	SISO	2422	1	-4.30	-34.30	Pass
			2	-4.09	-34.09	Pass
		2437	1	-4.30	-34.30	Pass
			2	-4.09	-34.09	Pass
		2452	1	-4.30	-34.30	Pass
			2	-4.09	-34.09	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.						

4.2 Test Graph

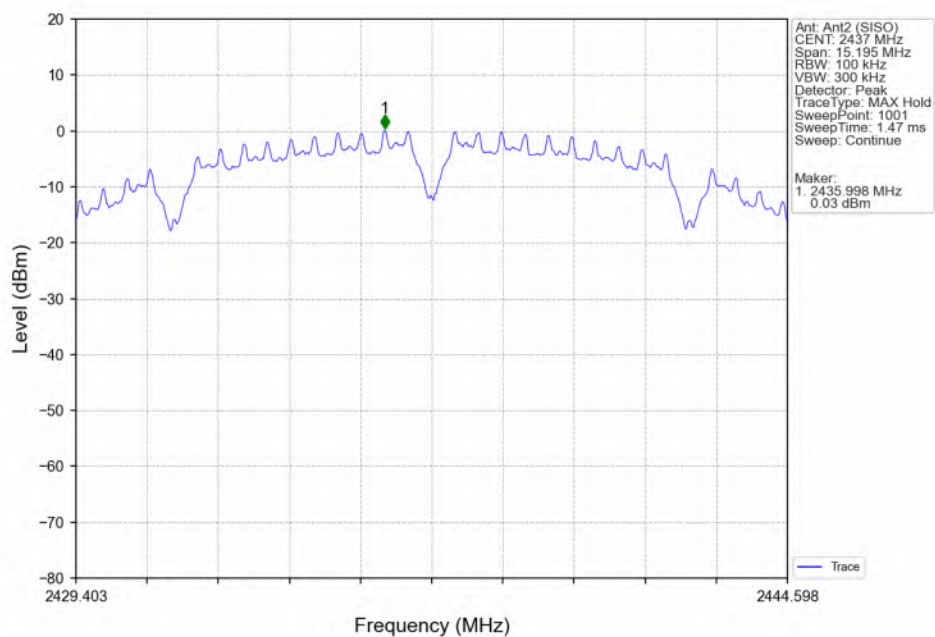
4.2.1 Ref



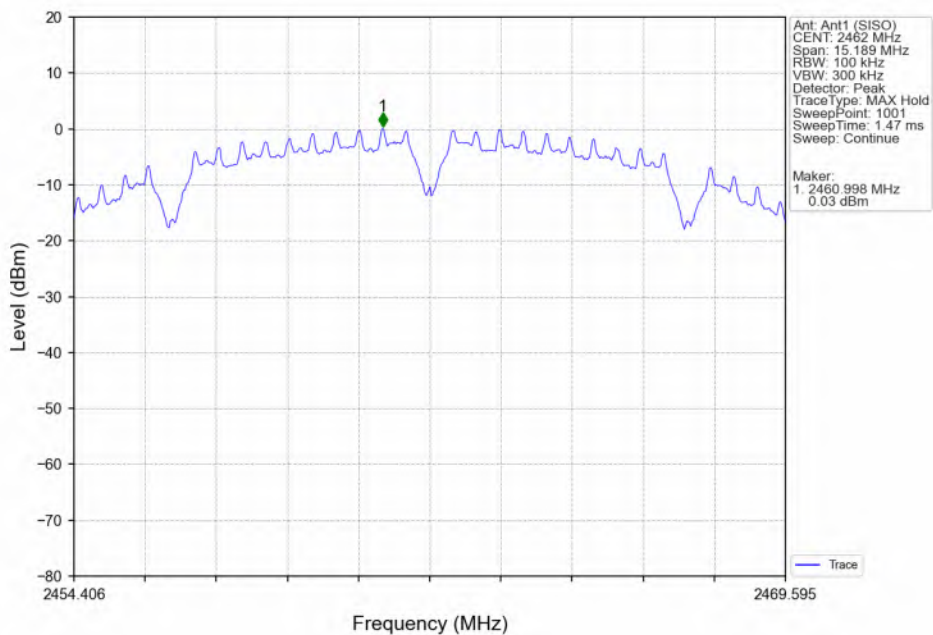
802.11b MCH 2437MHz Ant1 (SISO) NTN



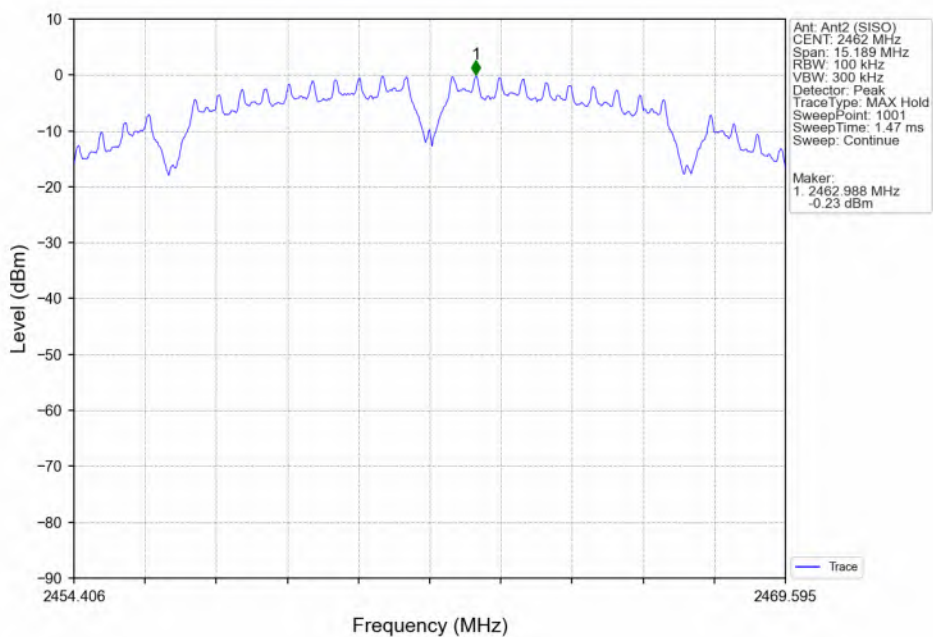
802.11b MCH 2437MHz Ant2 (SISO) NTN



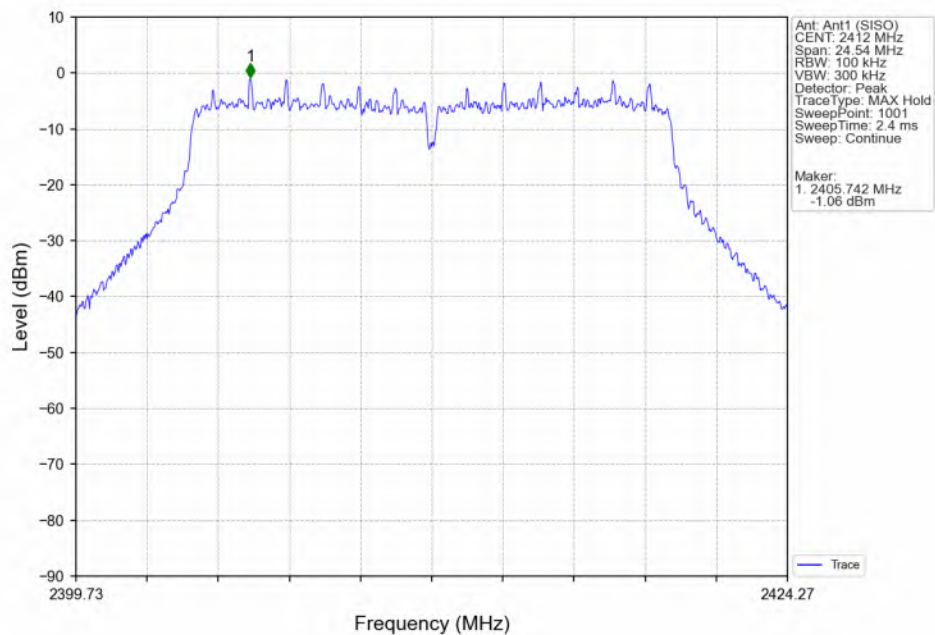
802.11b HCH 2462MHz Ant1 (SISO) NTN



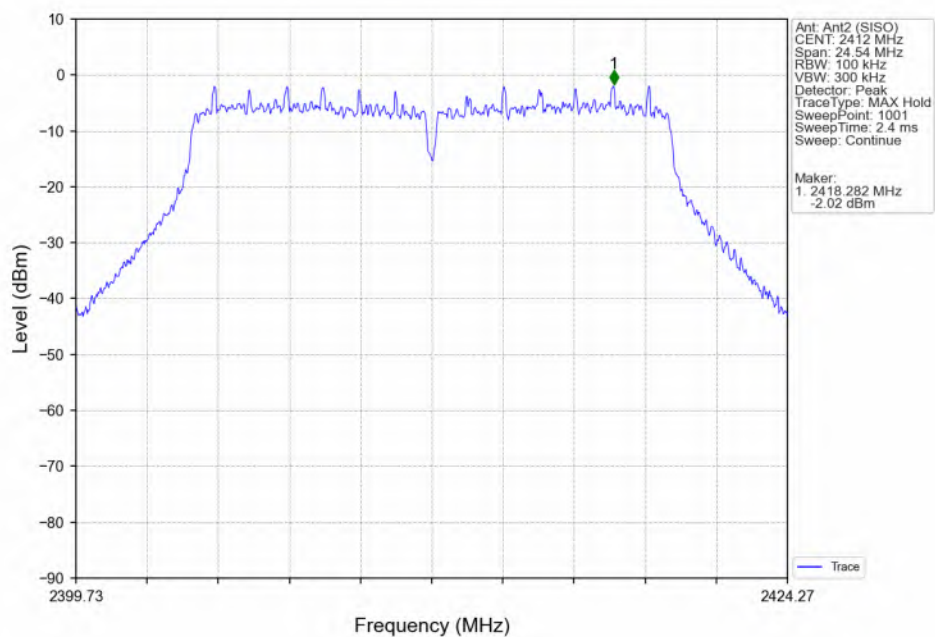
802.11b HCH 2462MHz Ant2 (SISO) NTN



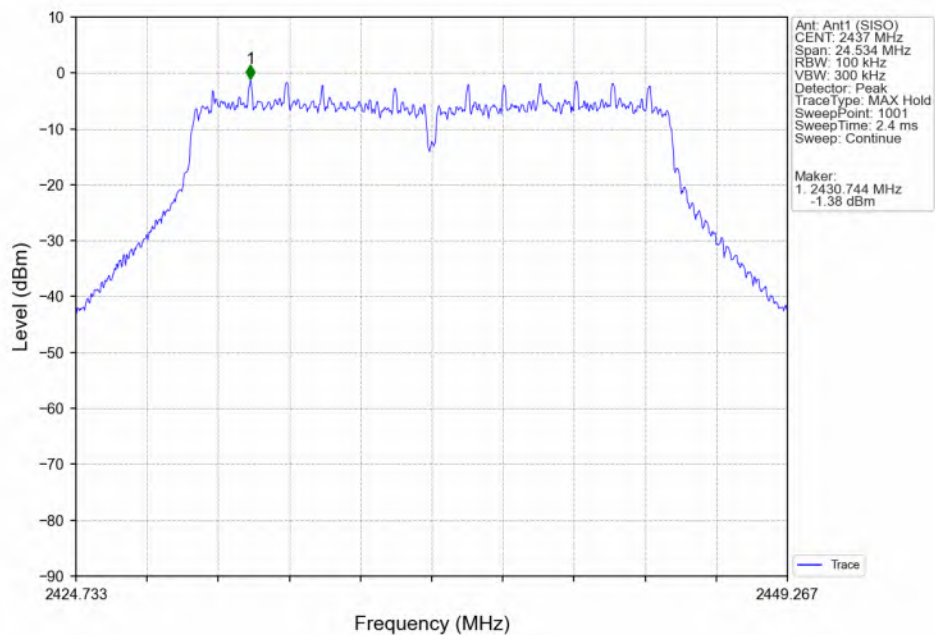
802.11g LCH 2412MHz Ant1 (SISO) NTN



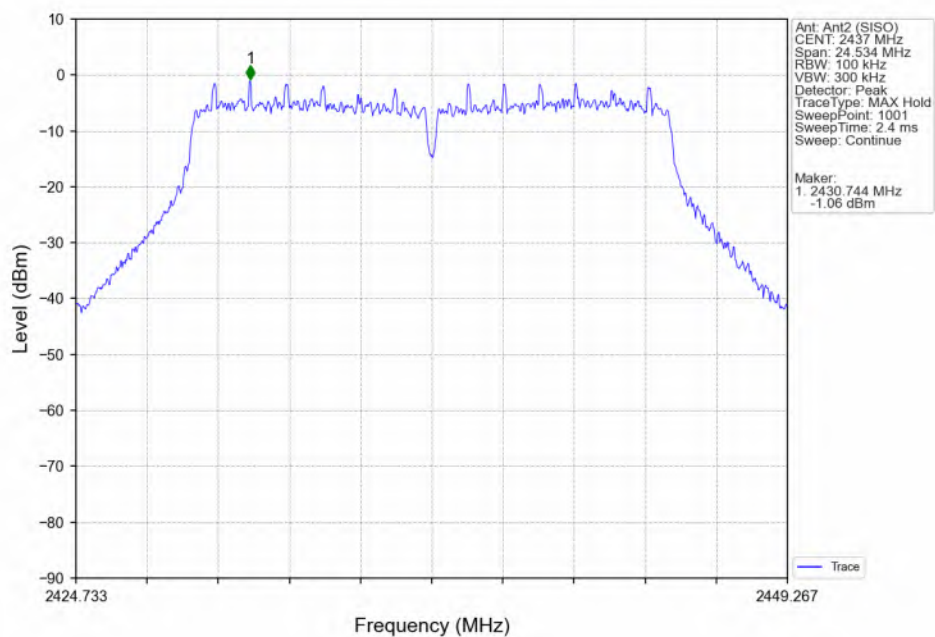
802.11g LCH 2412MHz Ant2 (SISO) NTN



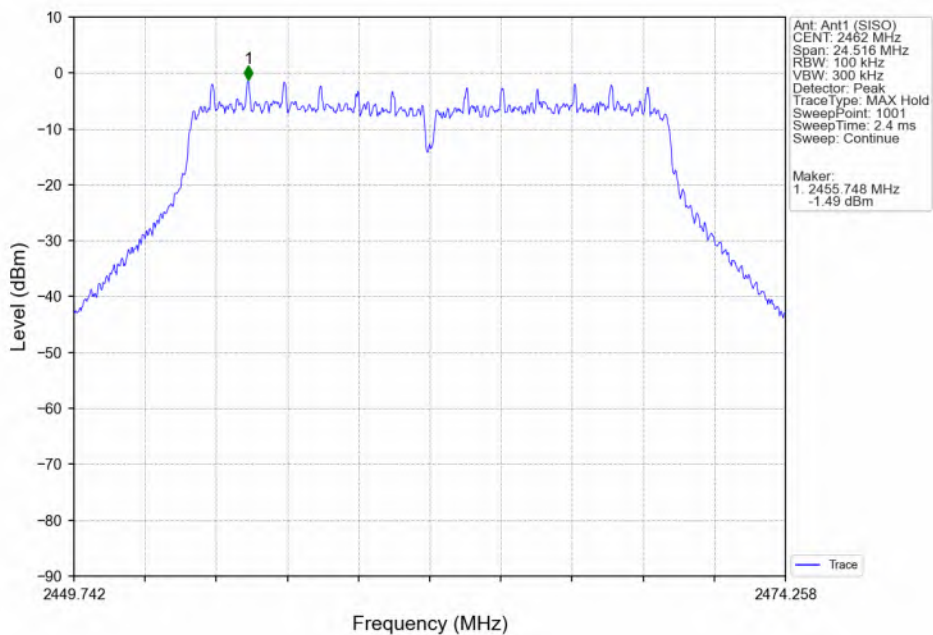
802.11g MCH 2437MHz Ant1 (SISO) NTNv



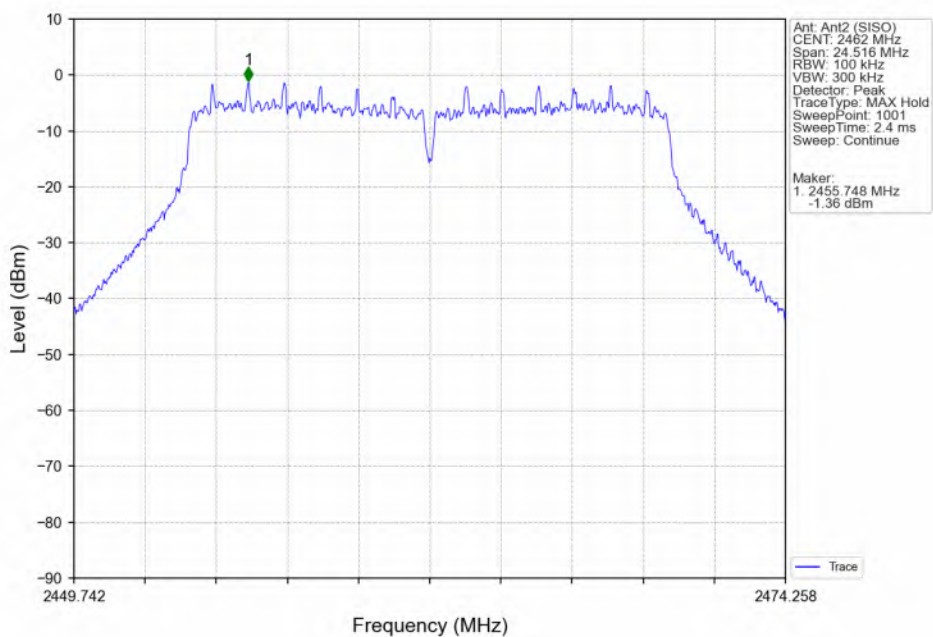
802.11g MCH 2437MHz Ant2 (SISO) NTNv



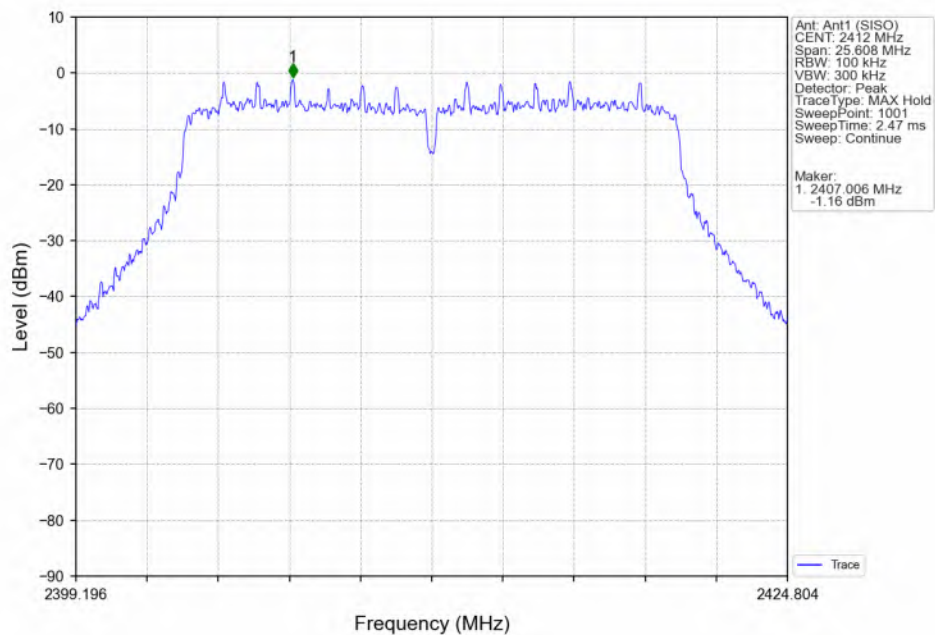
802.11g HCH 2462MHz Ant1 (SISO) NTN



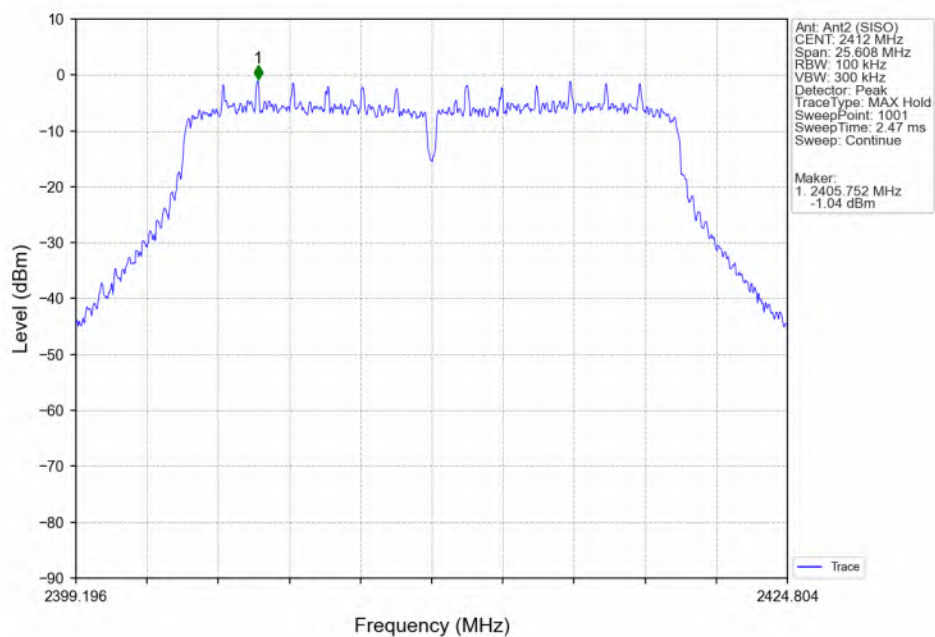
802.11g HCH 2462MHz Ant2 (SISO) NTN



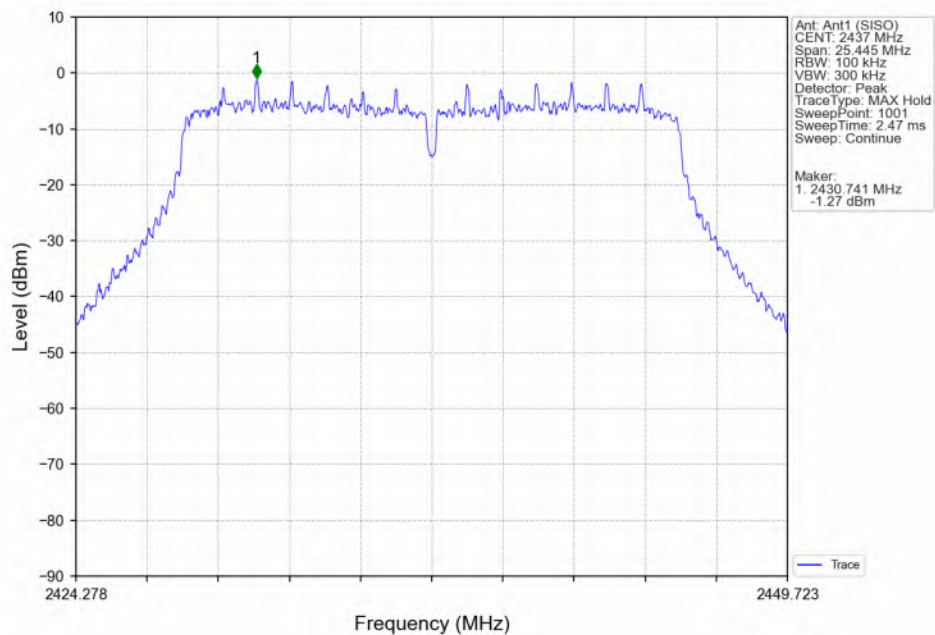
802.11n(HT20) LCH 2412MHz Ant1 (SISO) NTVN



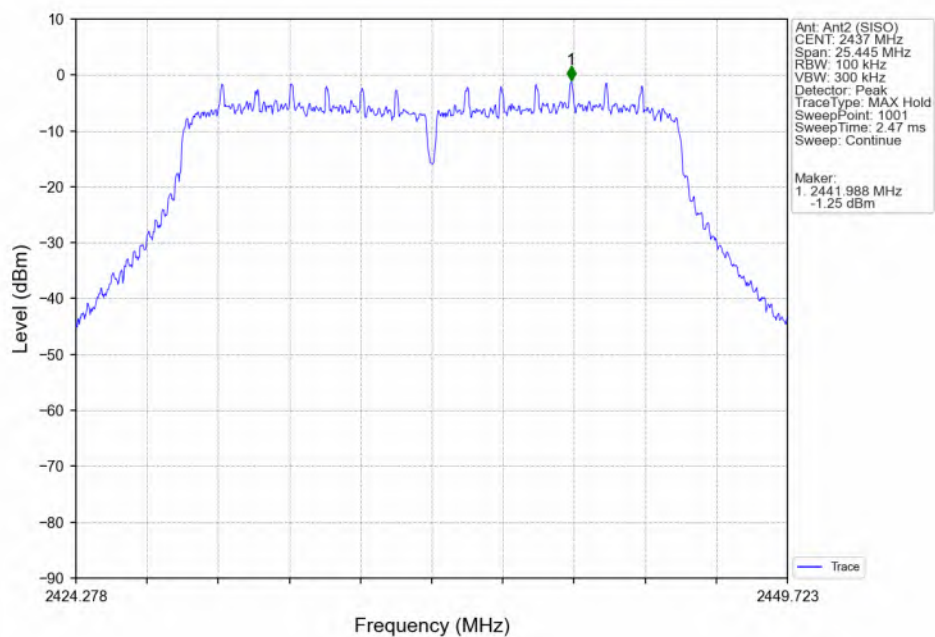
802.11n(HT20) LCH 2412MHz Ant2 (SISO) NTVN



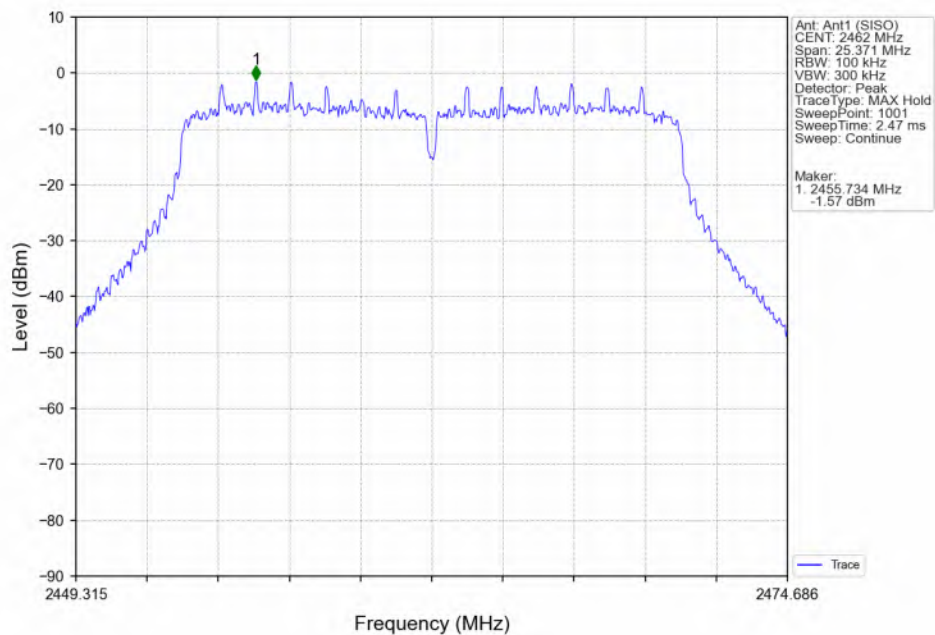
802.11n(HT20) MCH 2437MHz Ant1 (SISO) NTNV



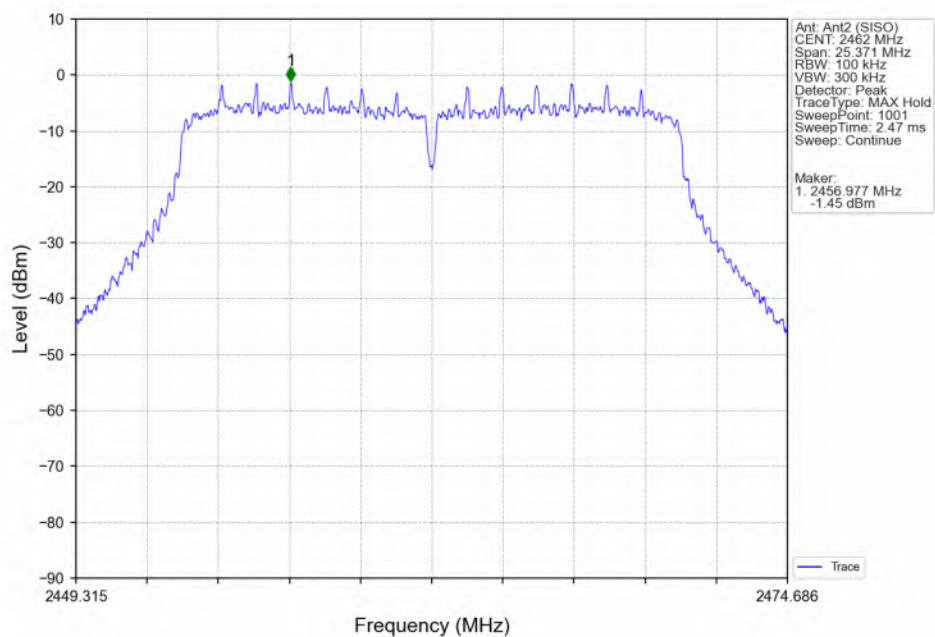
802.11n(HT20) MCH 2437MHz Ant2 (SISO) NTNV



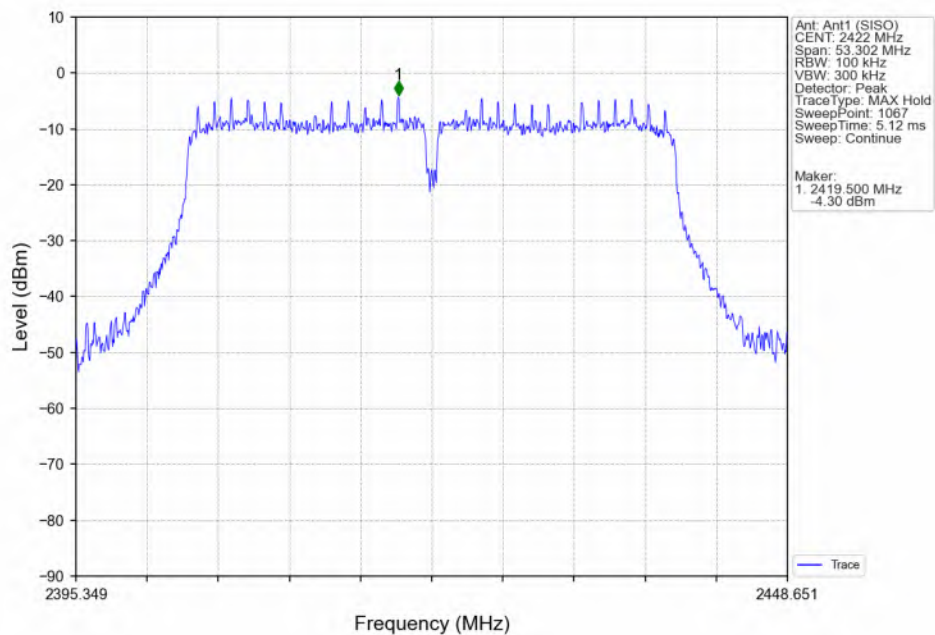
802.11n(HT20) HCH 2462MHz Ant1 (SISO) NTV



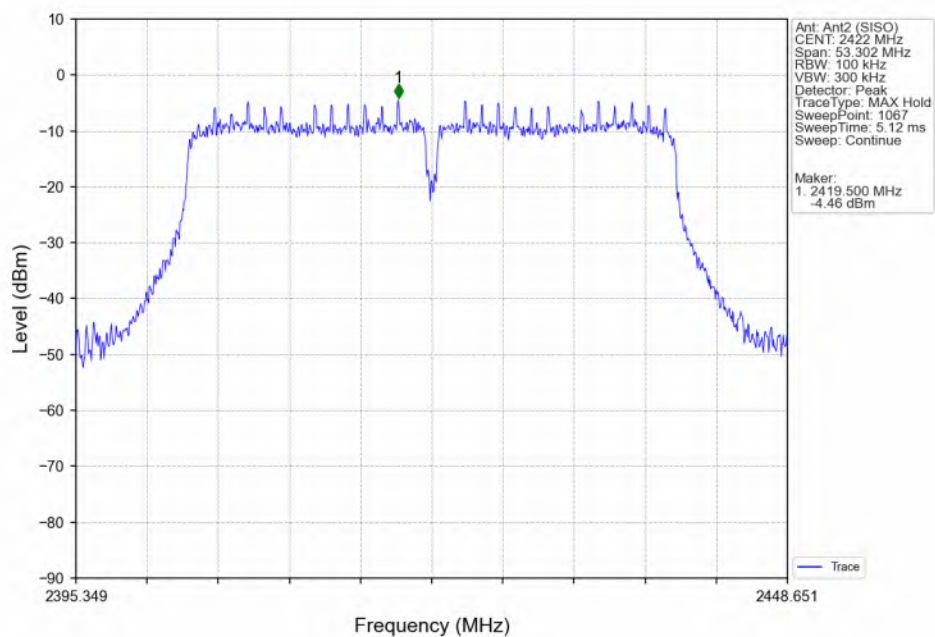
802.11n(HT20) HCH 2462MHz Ant2 (SISO) NTV



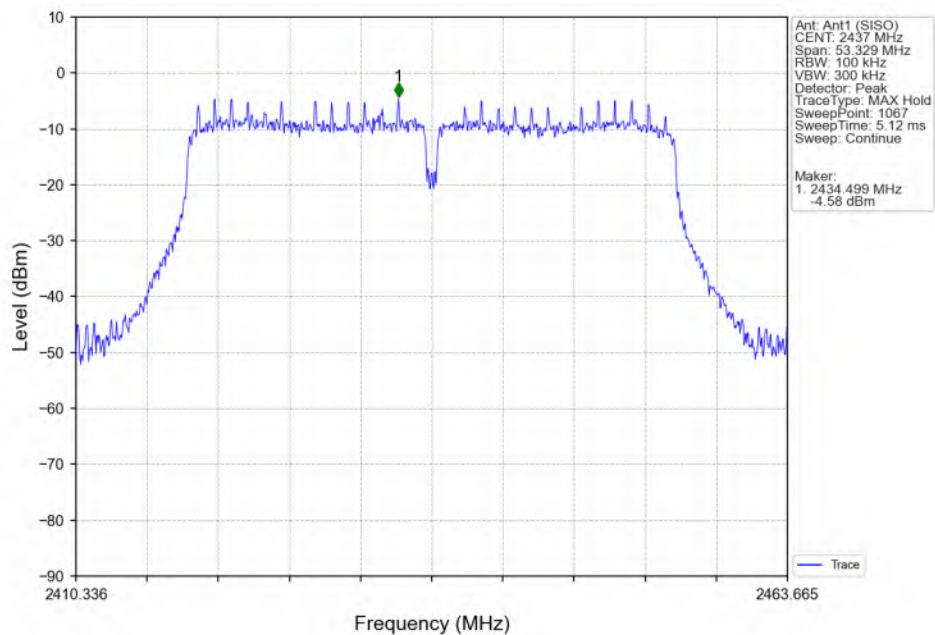
802.11n(HT40) LCH 2422MHz Ant1 (SISO) NTNV



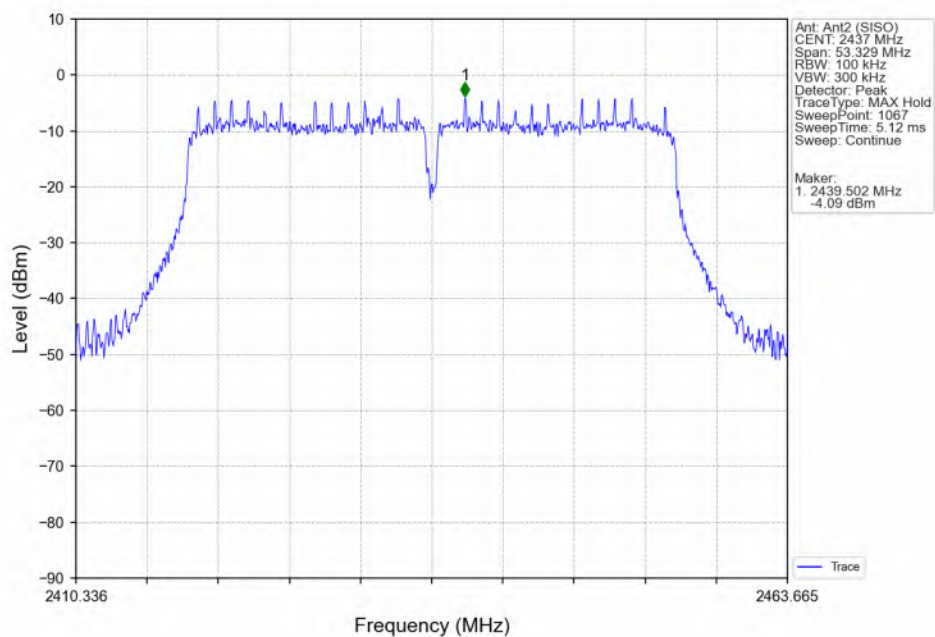
802.11n(HT40) LCH 2422MHz Ant2 (SISO) NTNV



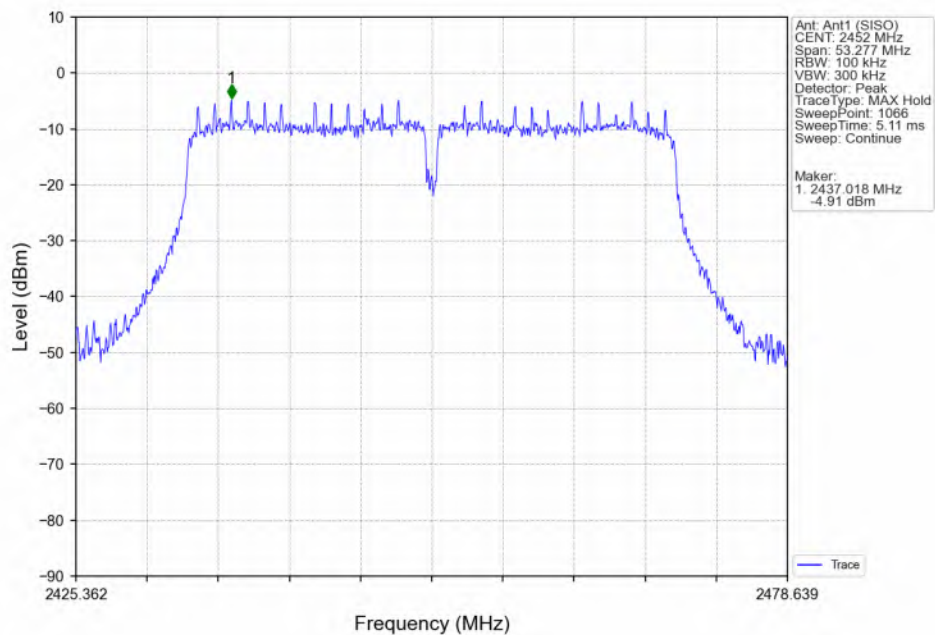
802.11n(HT40) MCH 2437MHz Ant1 (SISO) NTNV



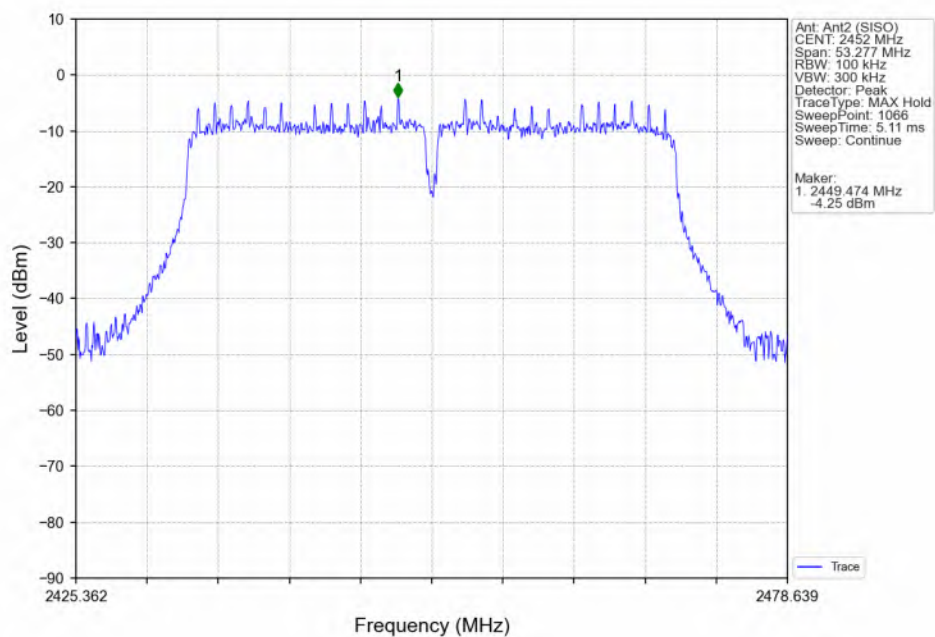
802.11n(HT40) MCH 2437MHz Ant2 (SISO) NTNV



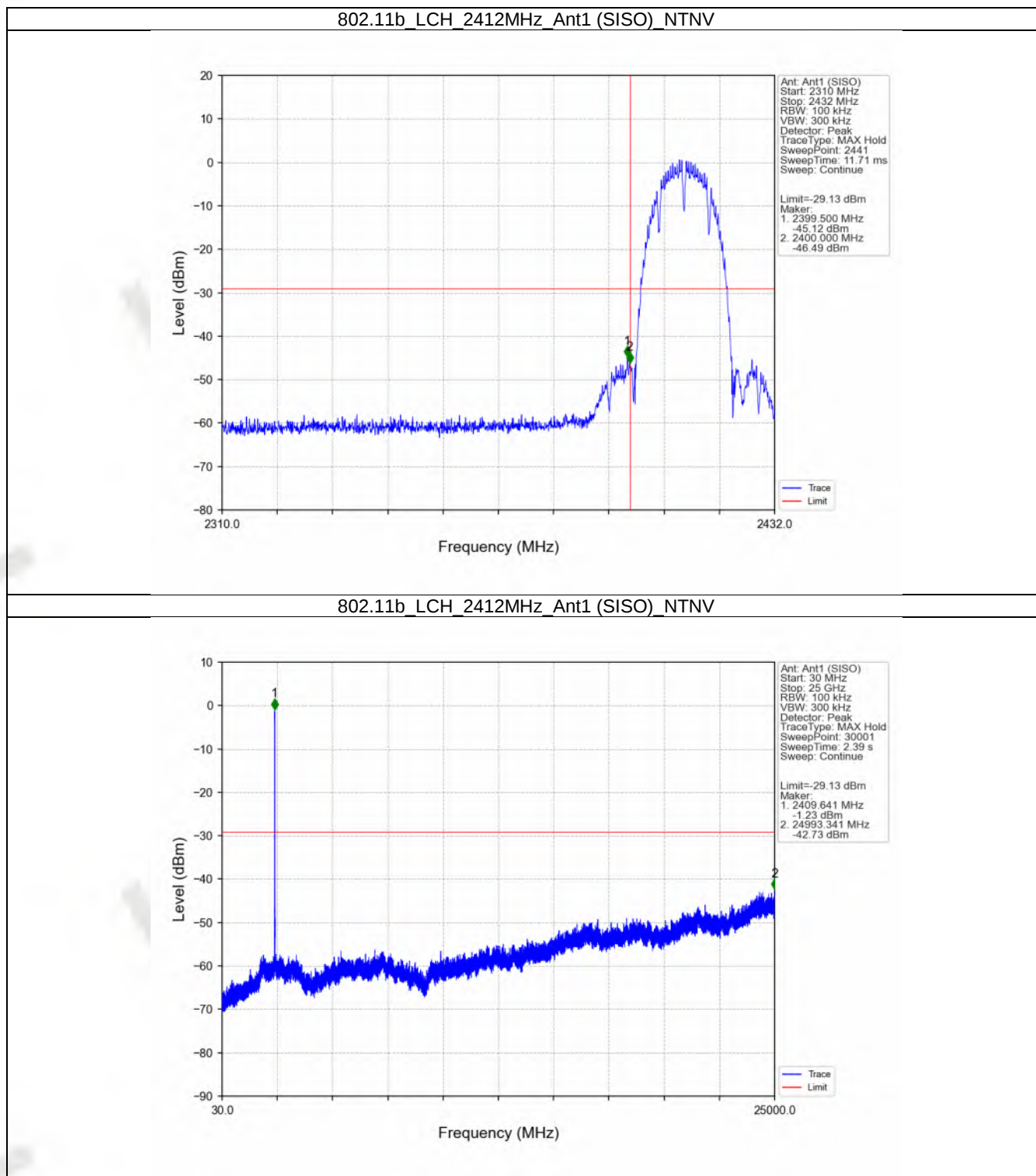
802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTV



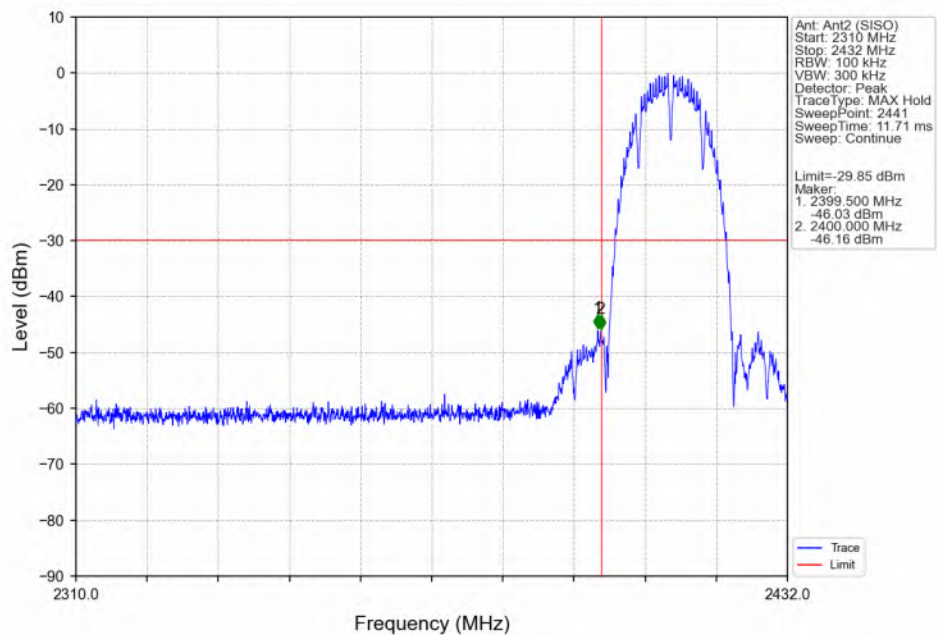
802.11n(HT40) HCH 2452MHz Ant2 (SISO) NTV



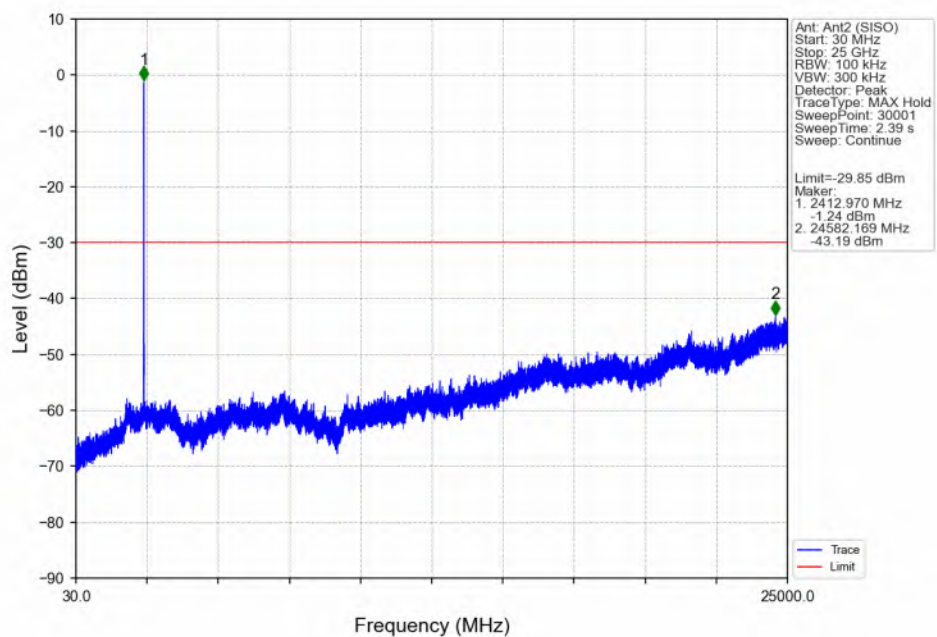
4.2.2 CSE



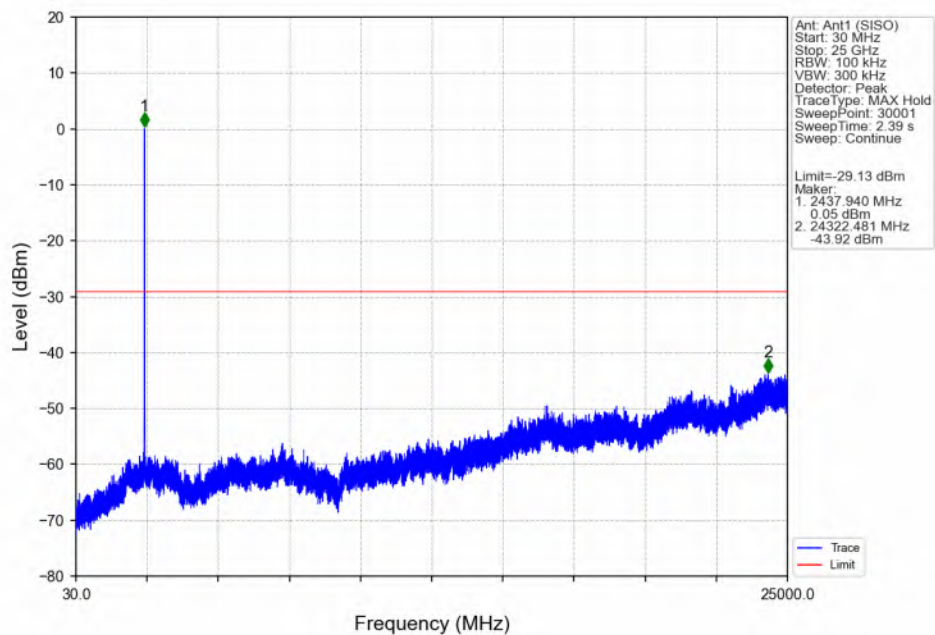
802.11b LCH 2412MHz Ant2 (SISO) NTN



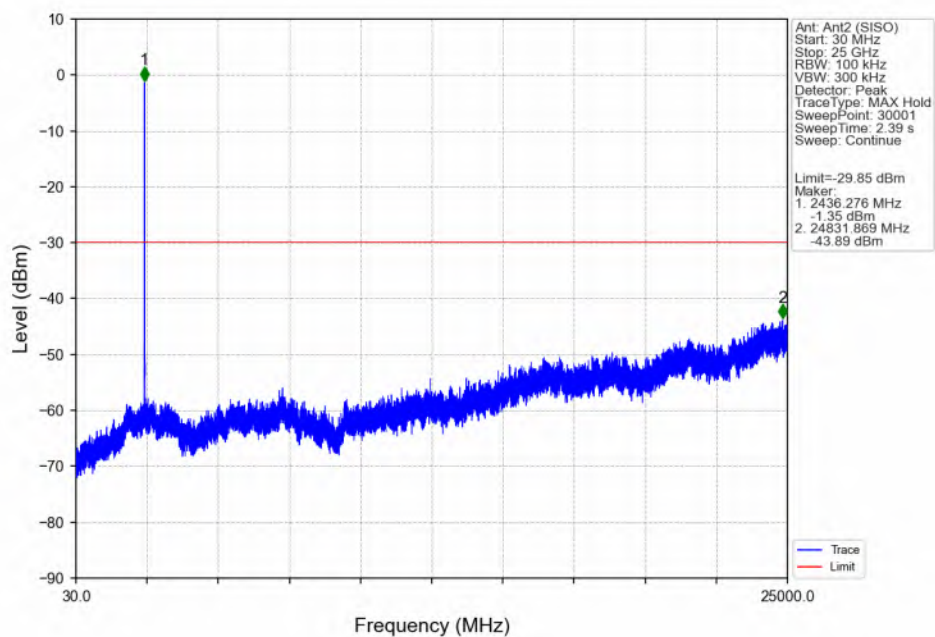
802.11b LCH 2412MHz Ant2 (SISO) NTN



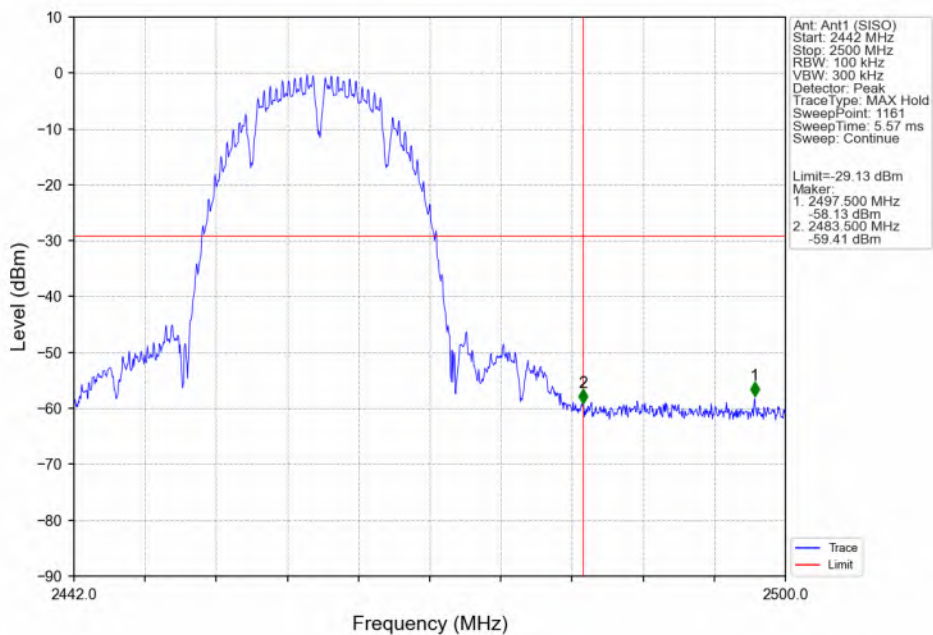
802.11b MCH 2437MHz Ant1 (SISO) NTN



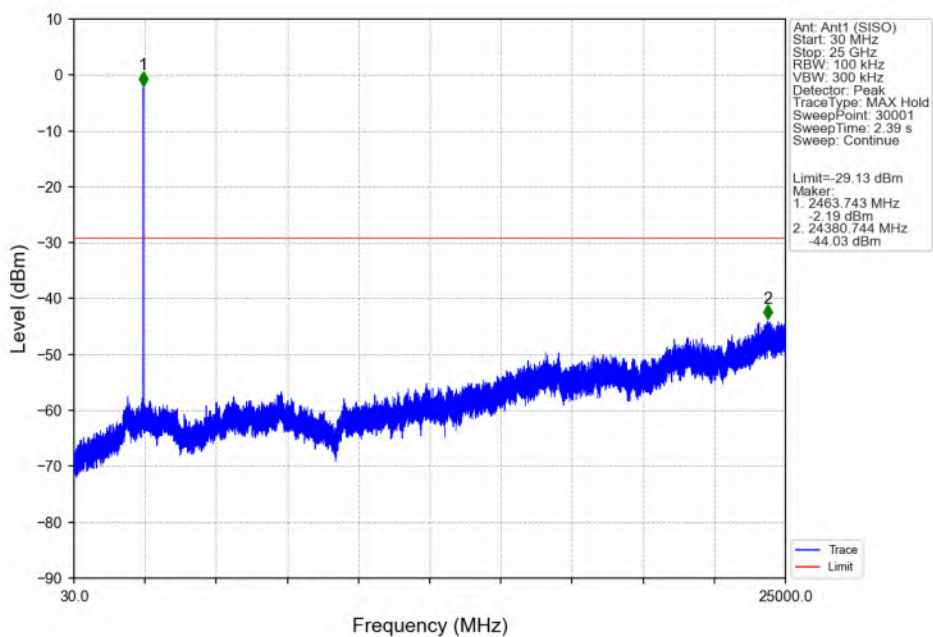
802.11b MCH 2437MHz Ant2 (SISO) NTN



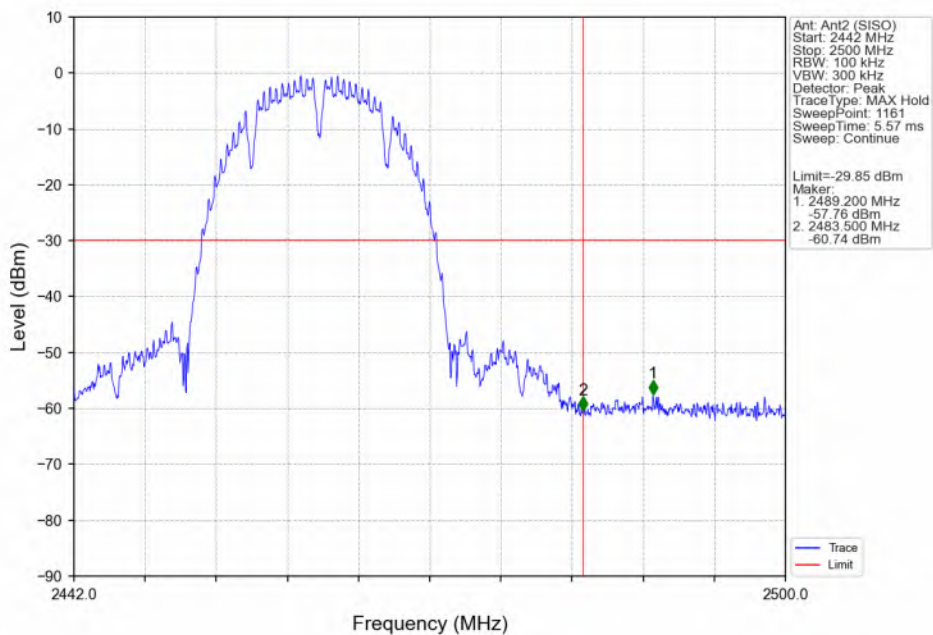
802.11b HCH 2462MHz Ant1 (SISO) NTN



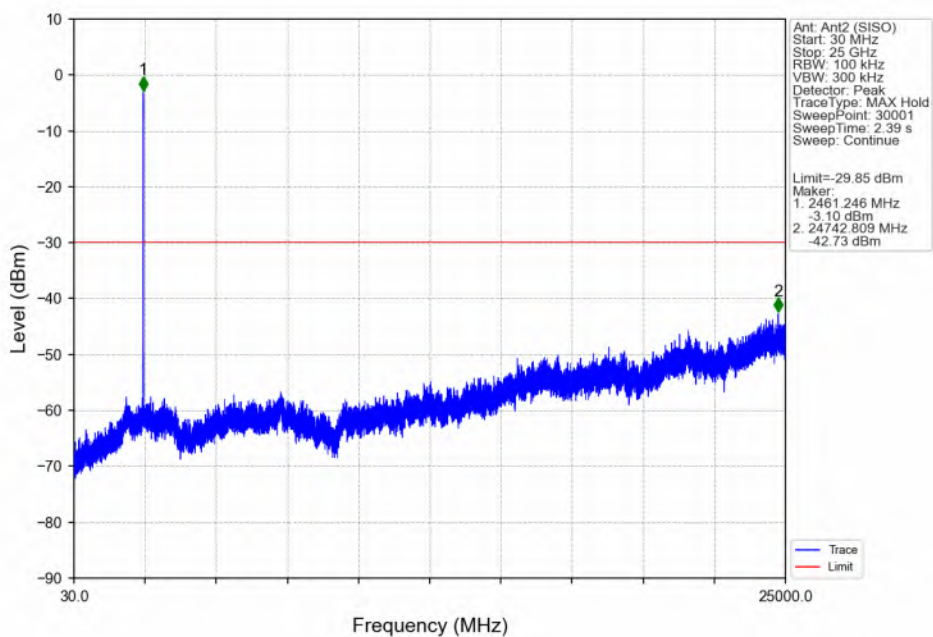
802.11b HCH 2462MHz Ant1 (SISO) NTN



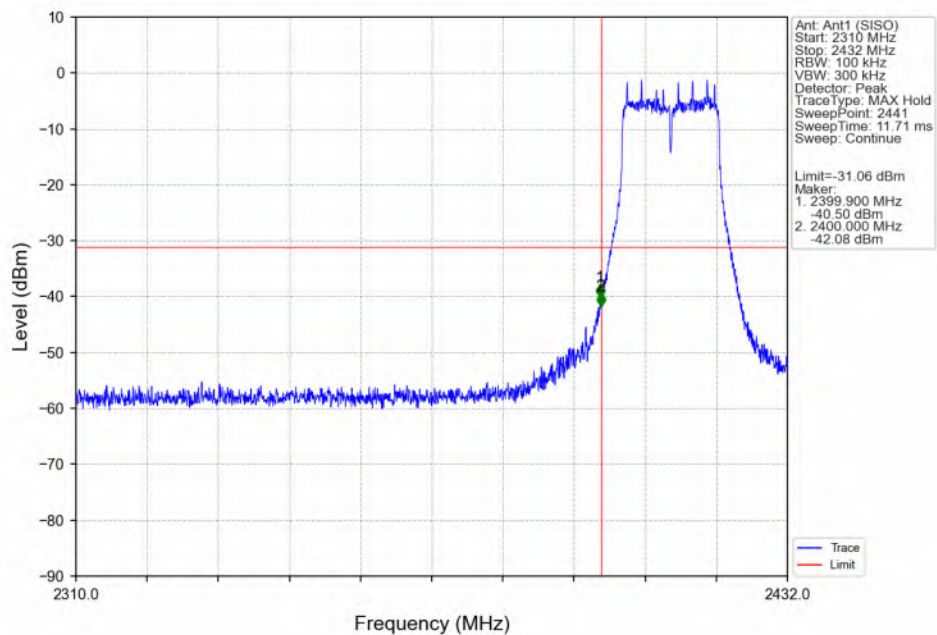
802.11b HCH 2462MHz Ant2 (SISO) NTN



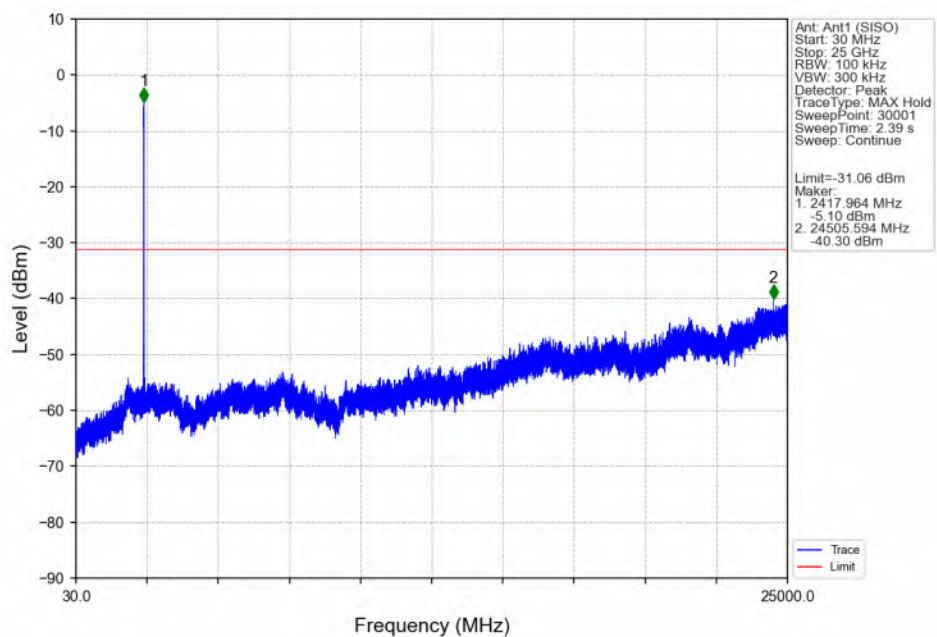
802.11b HCH 2462MHz Ant2 (SISO) NTN



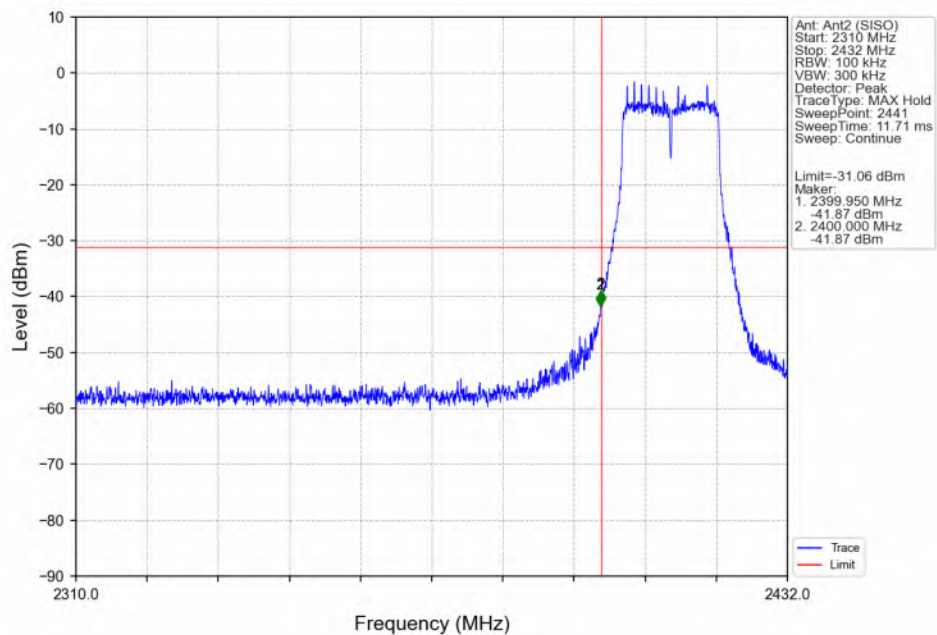
802.11g LCH 2412MHz Ant1 (SISO) NTNV



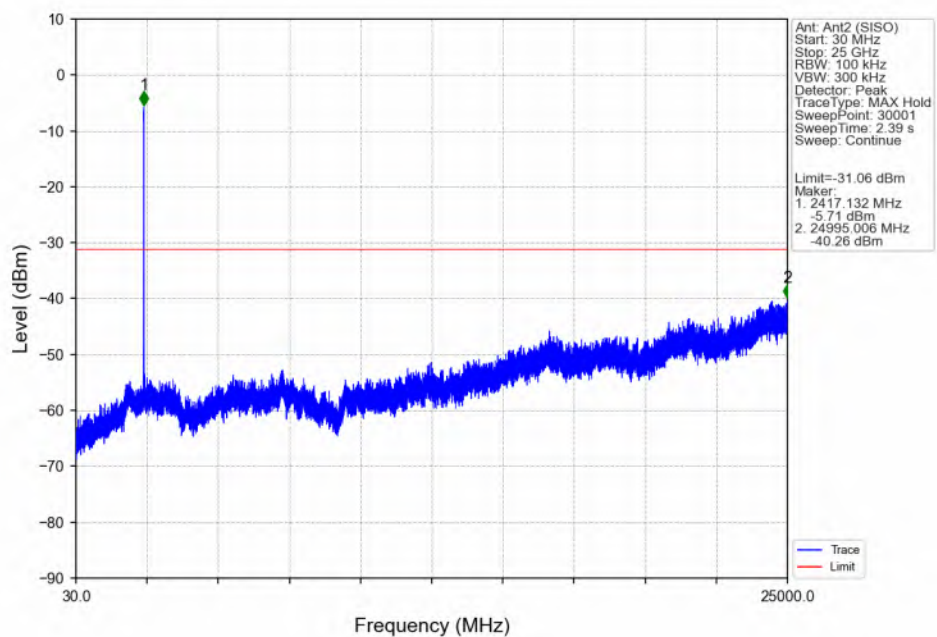
802.11g LCH 2412MHz Ant1 (SISO) NTNV



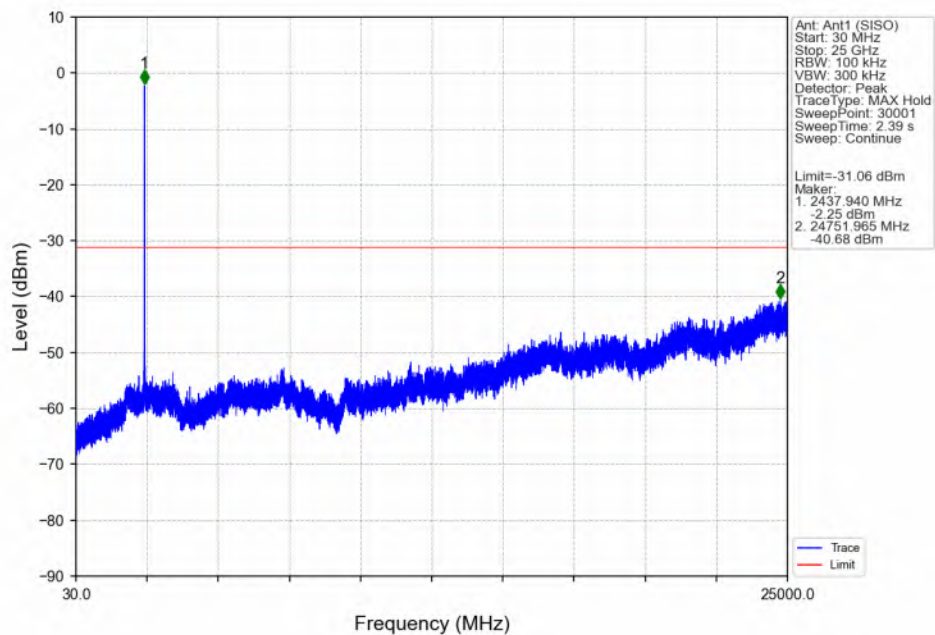
802.11g LCH 2412MHz Ant2 (SISO) NTNV



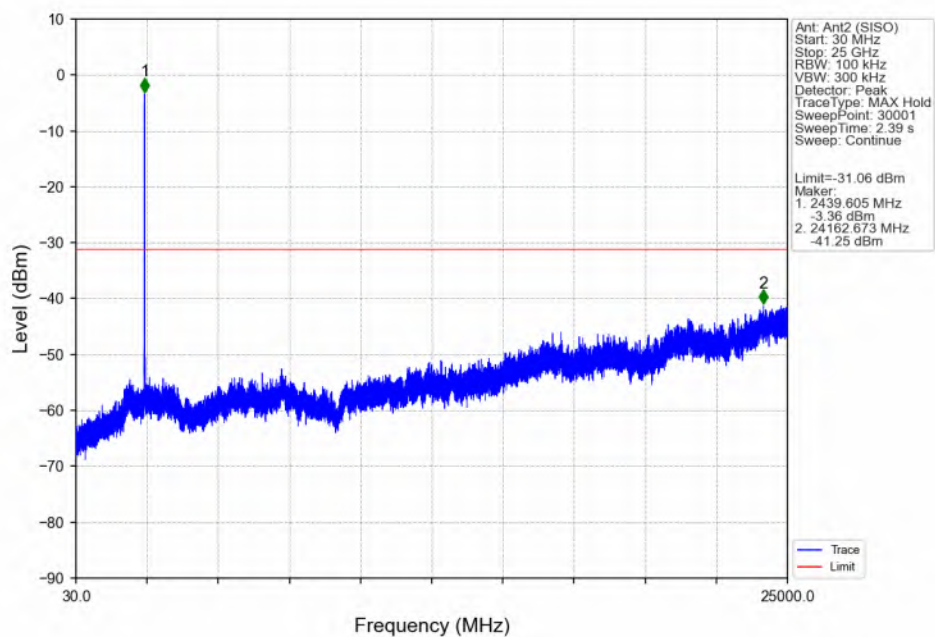
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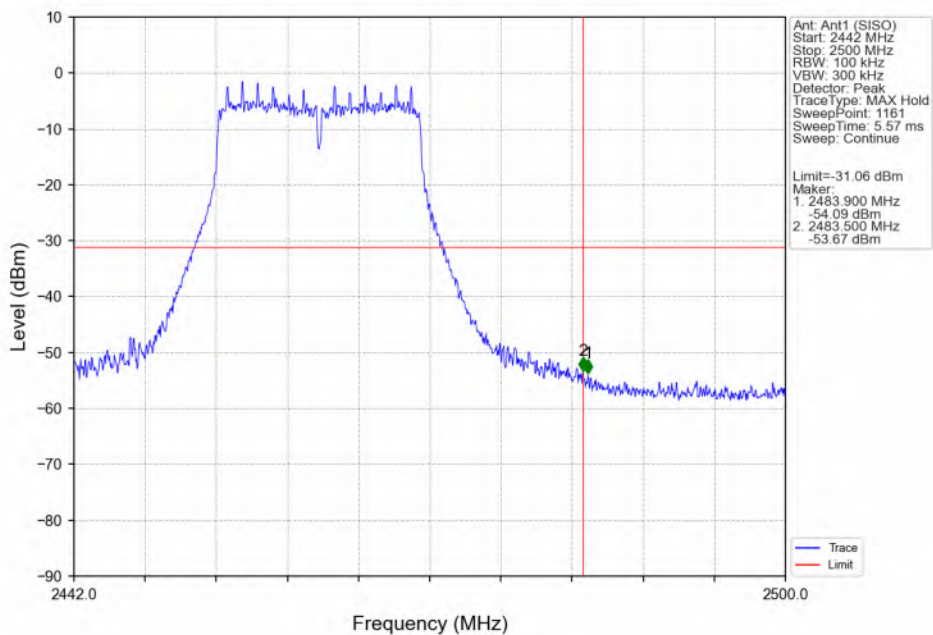
802.11g MCH 2437MHz Ant1 (SISO) NTN



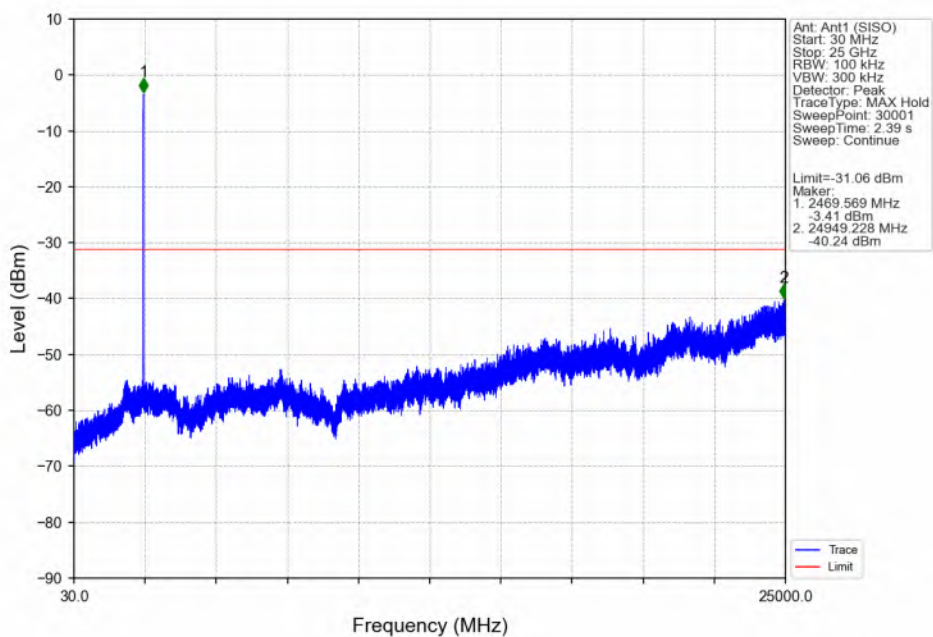
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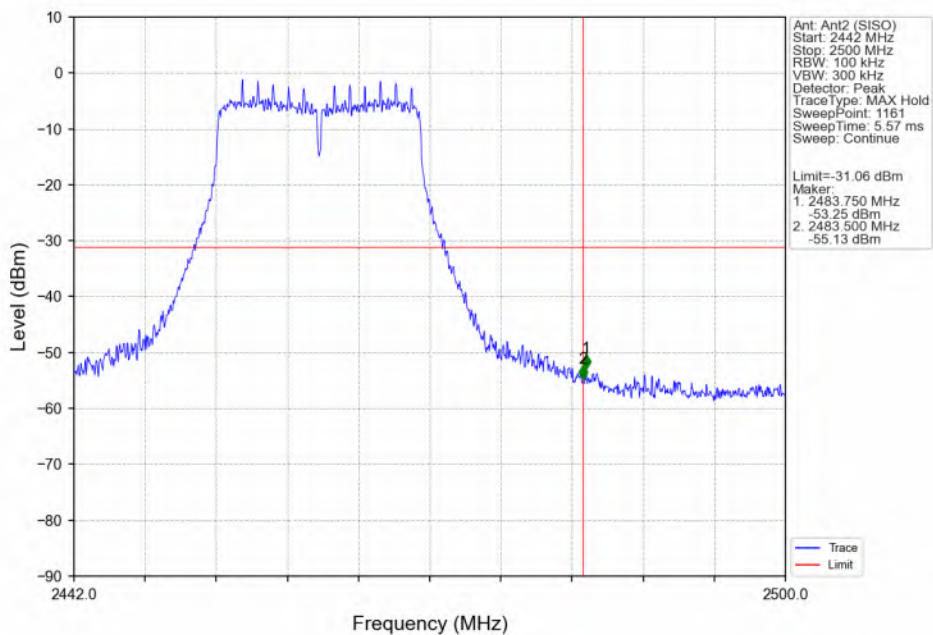
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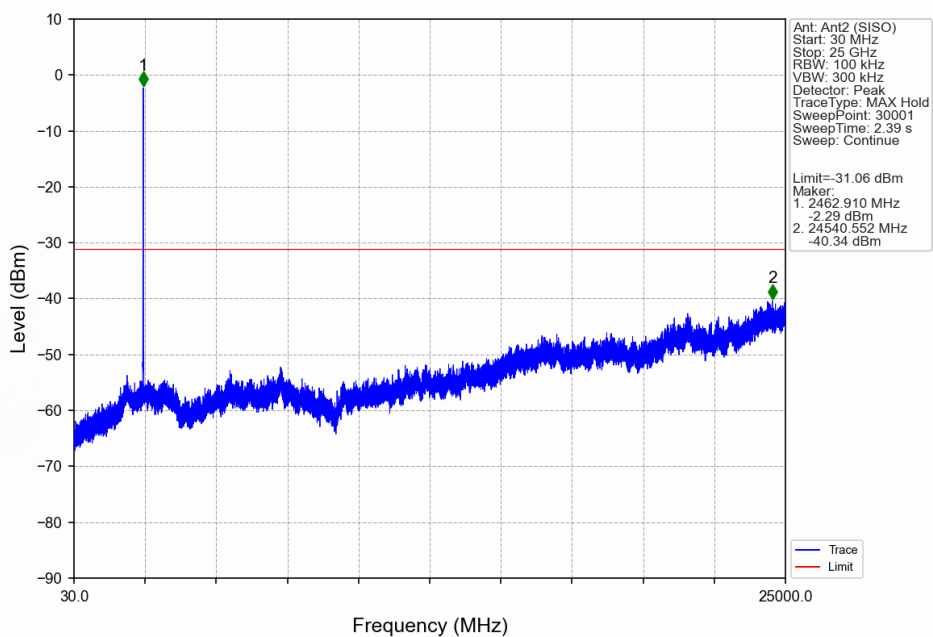
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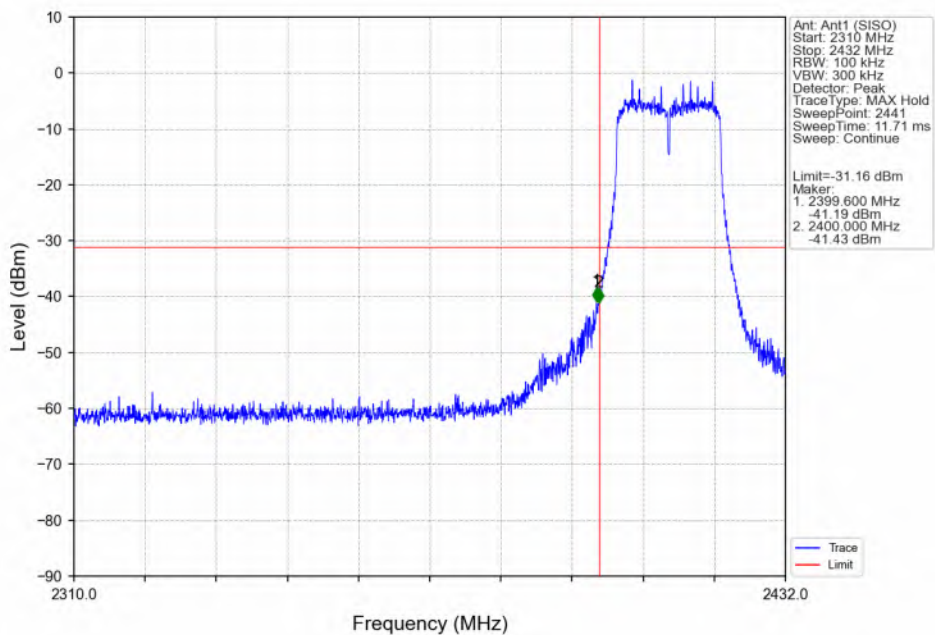
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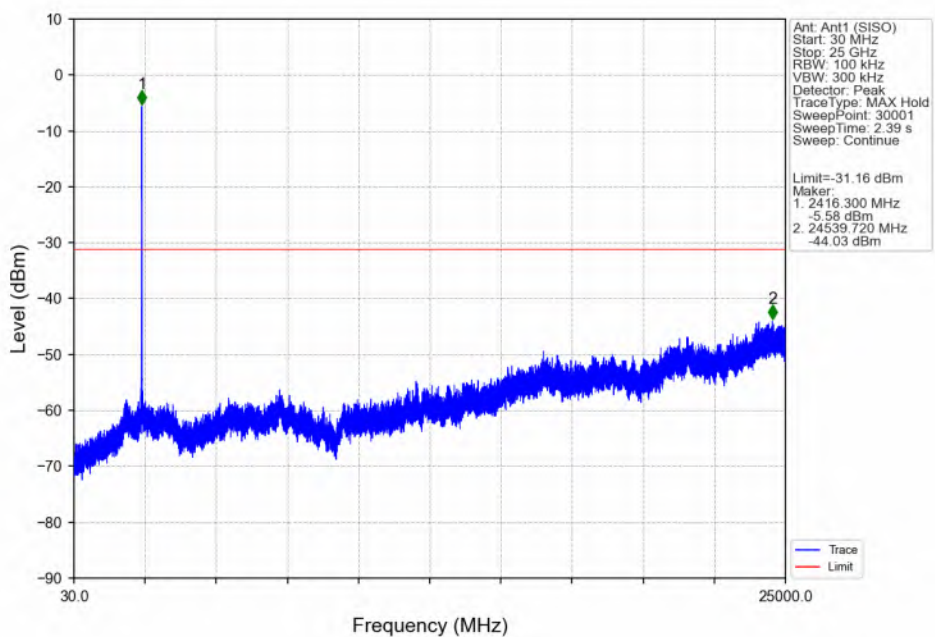
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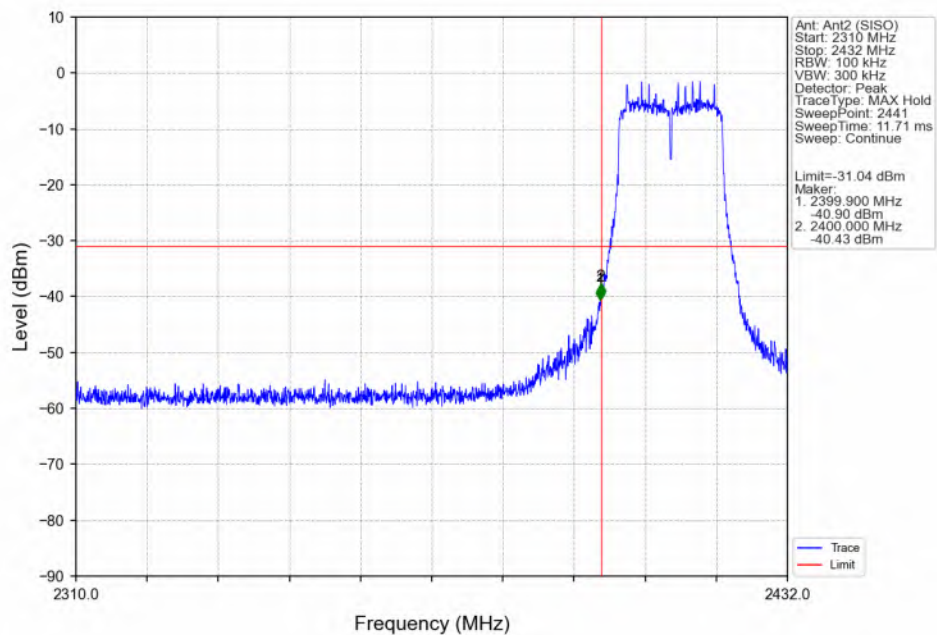
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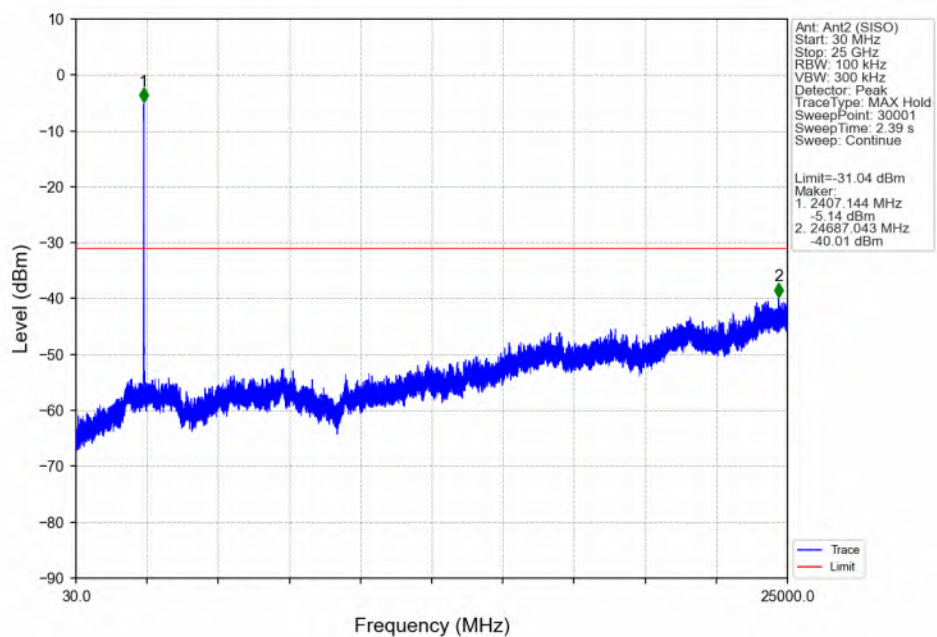
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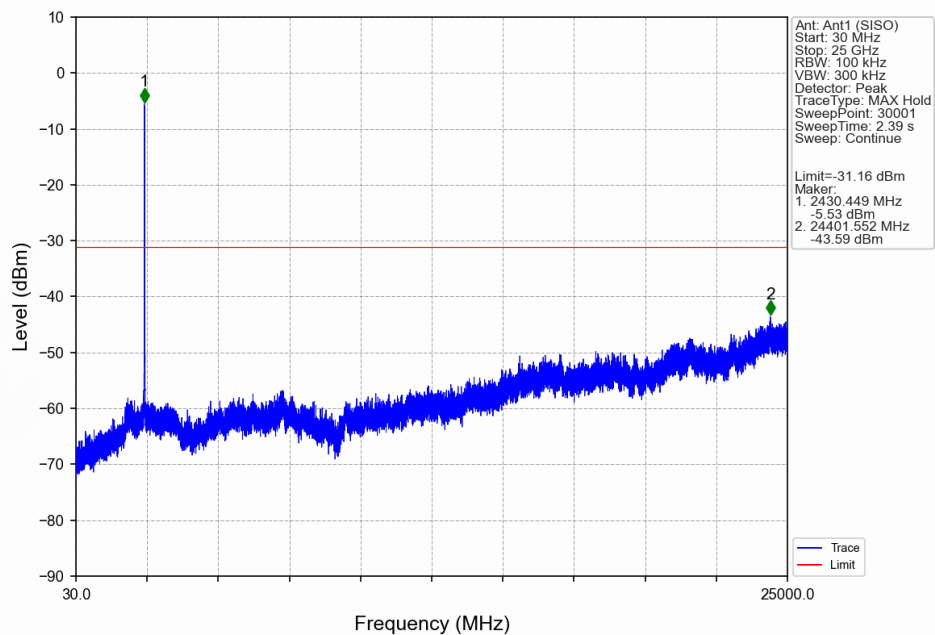
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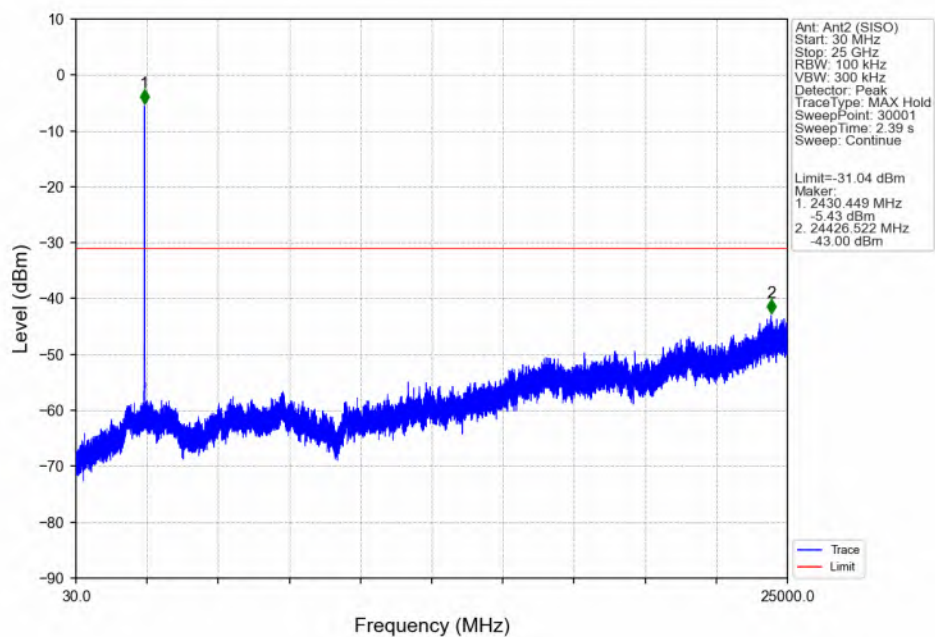
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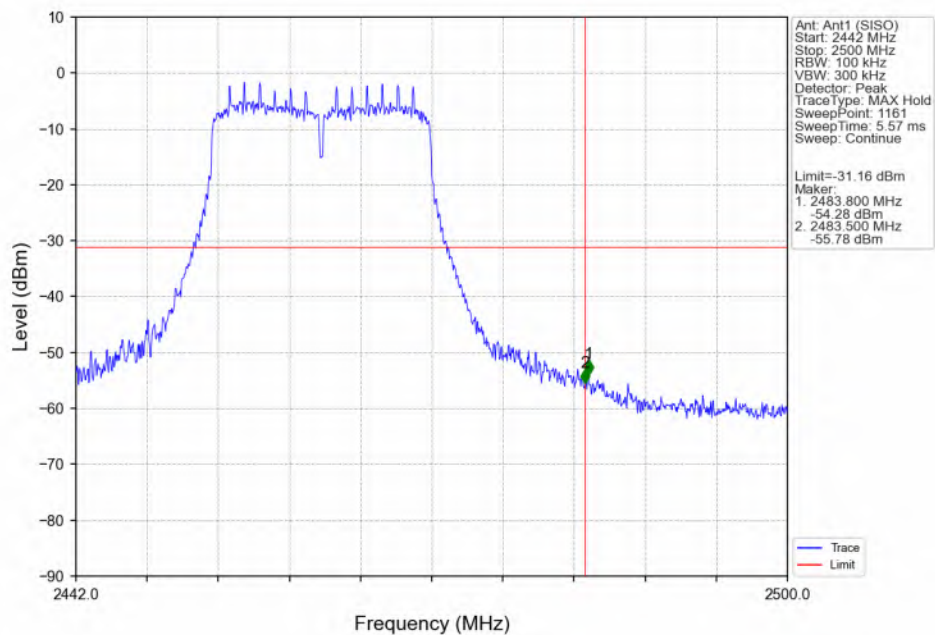
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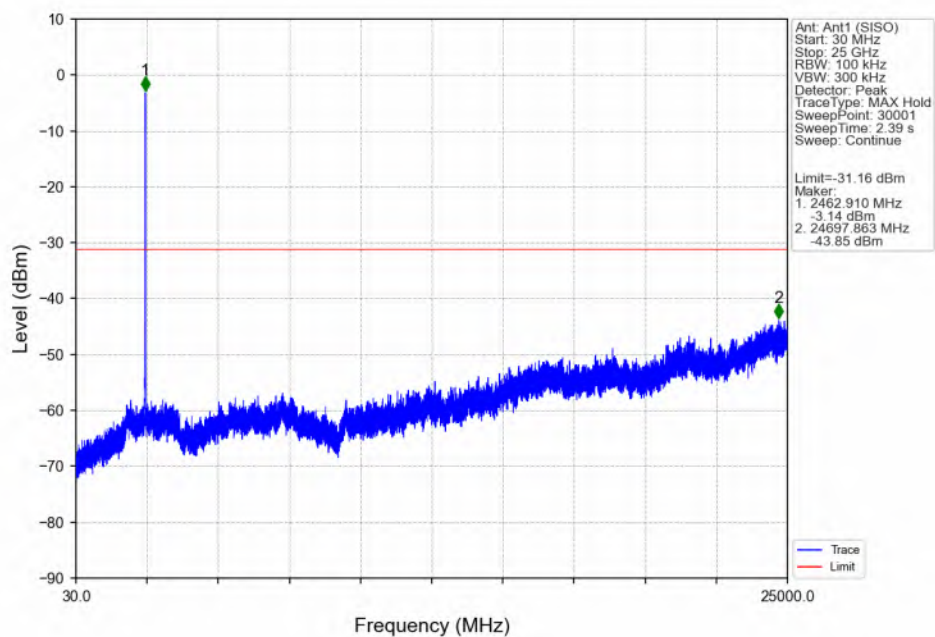
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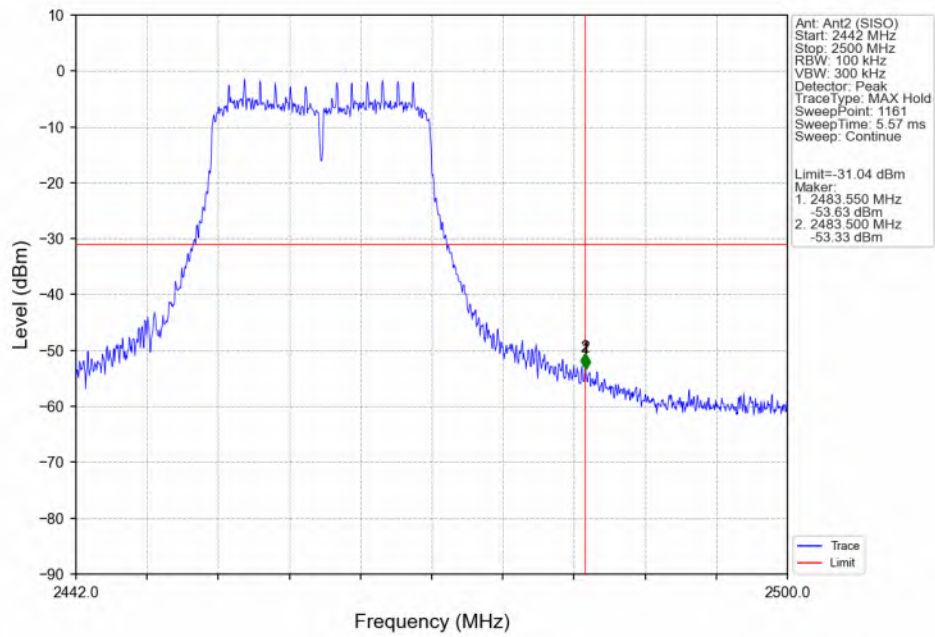
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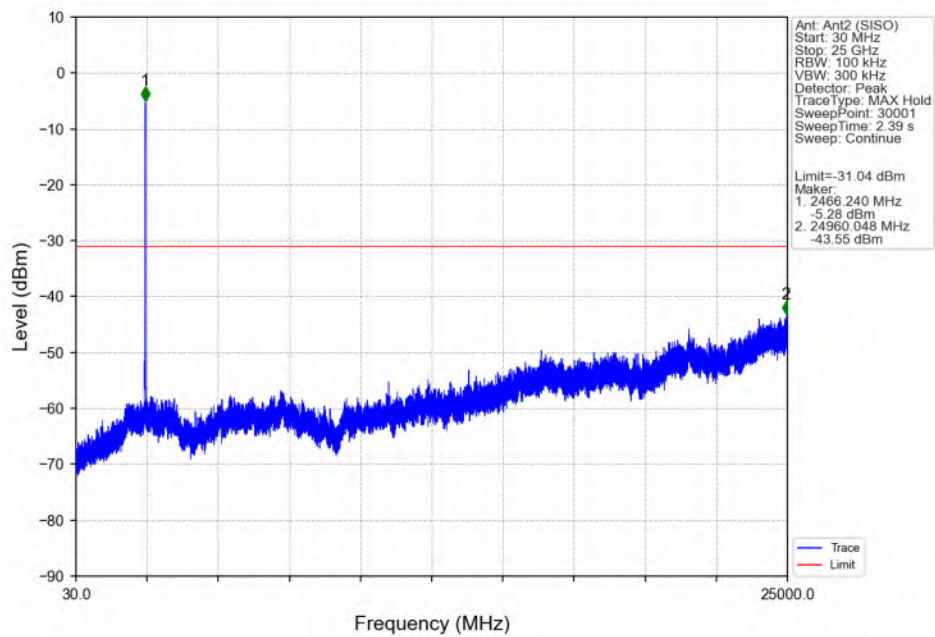
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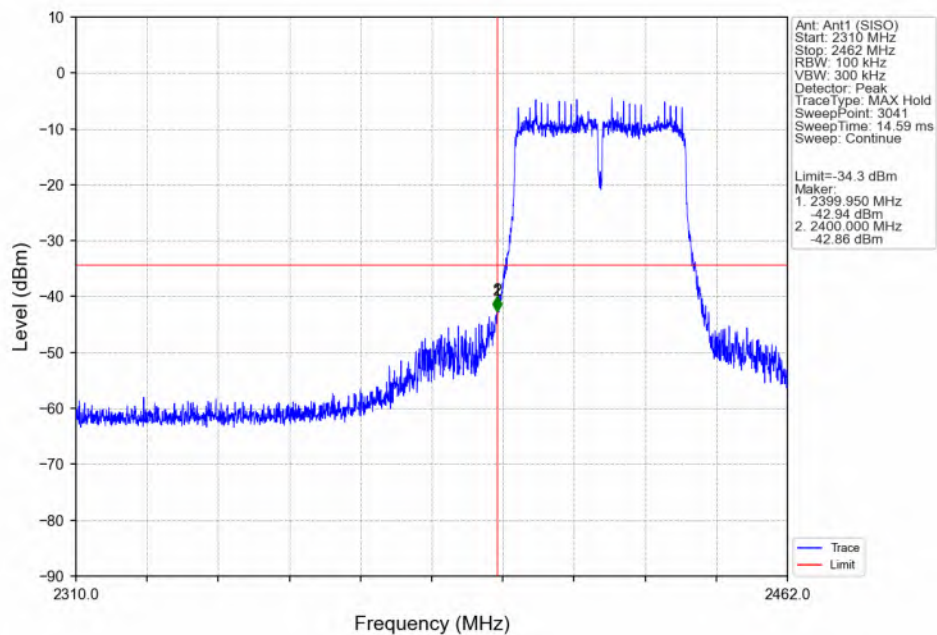
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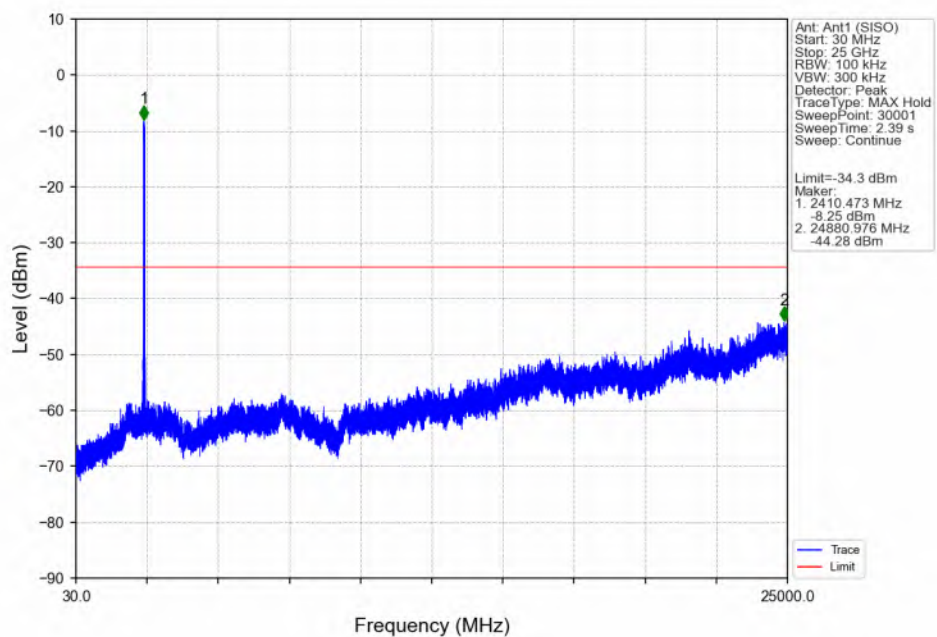
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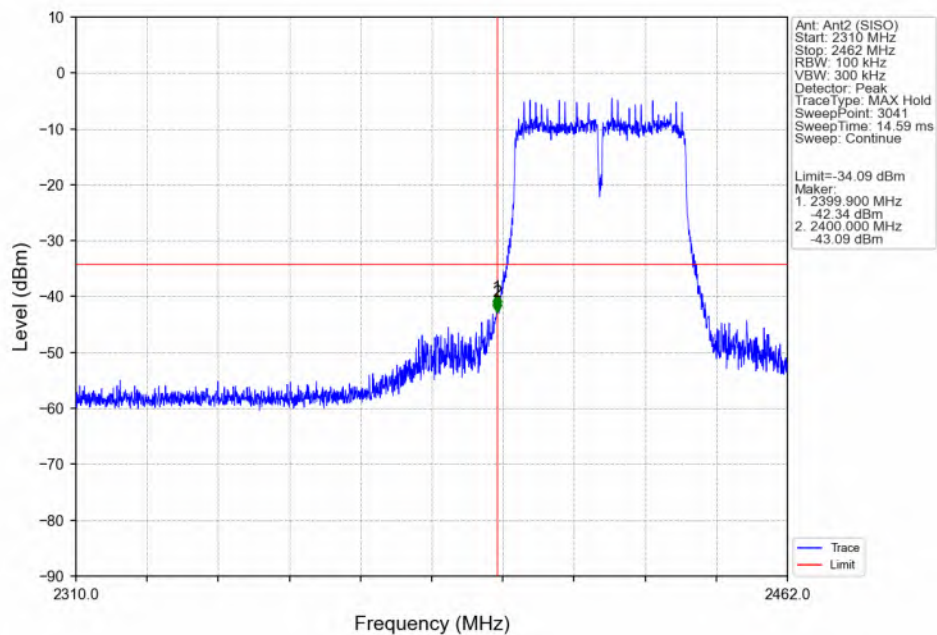
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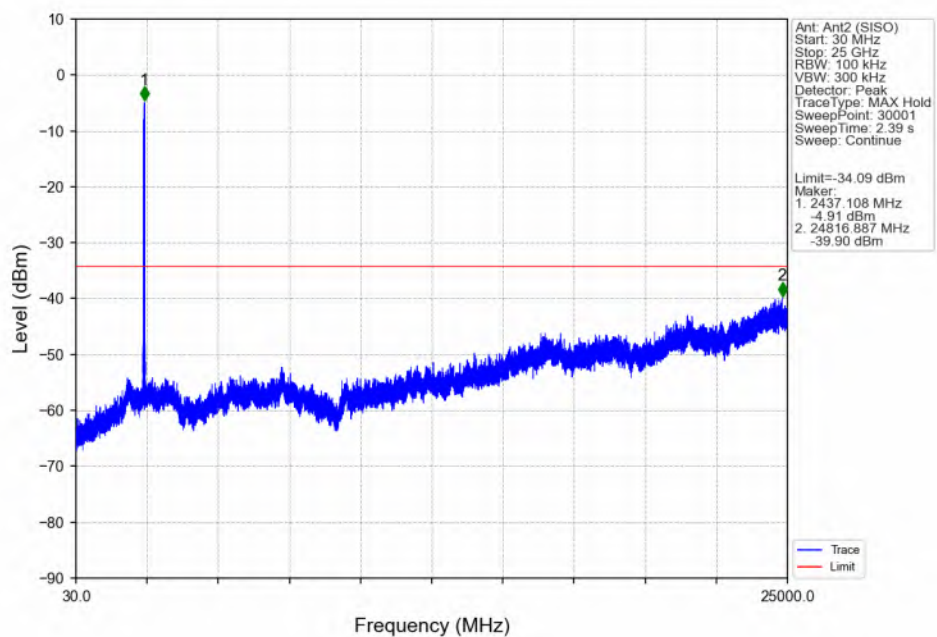
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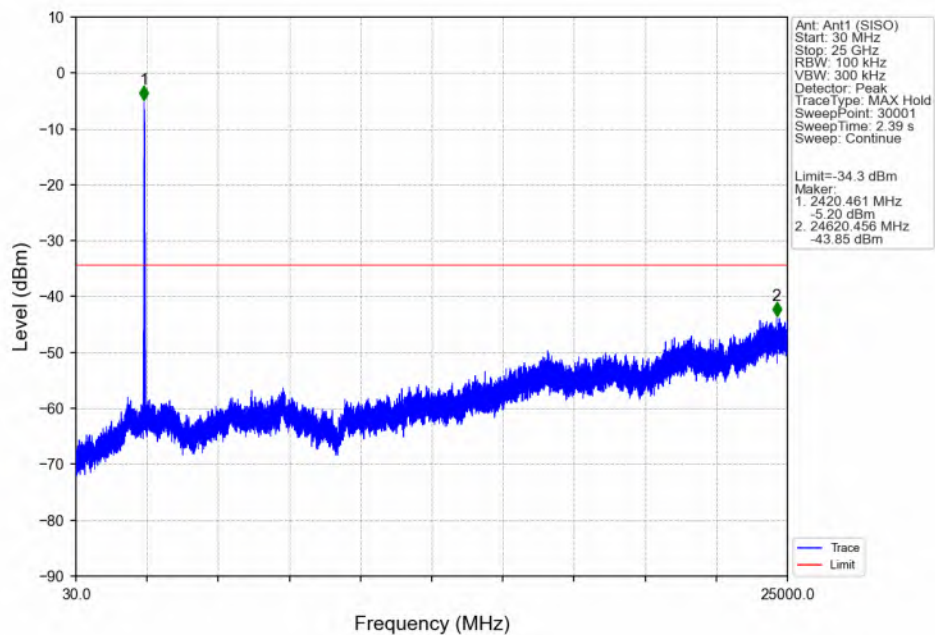
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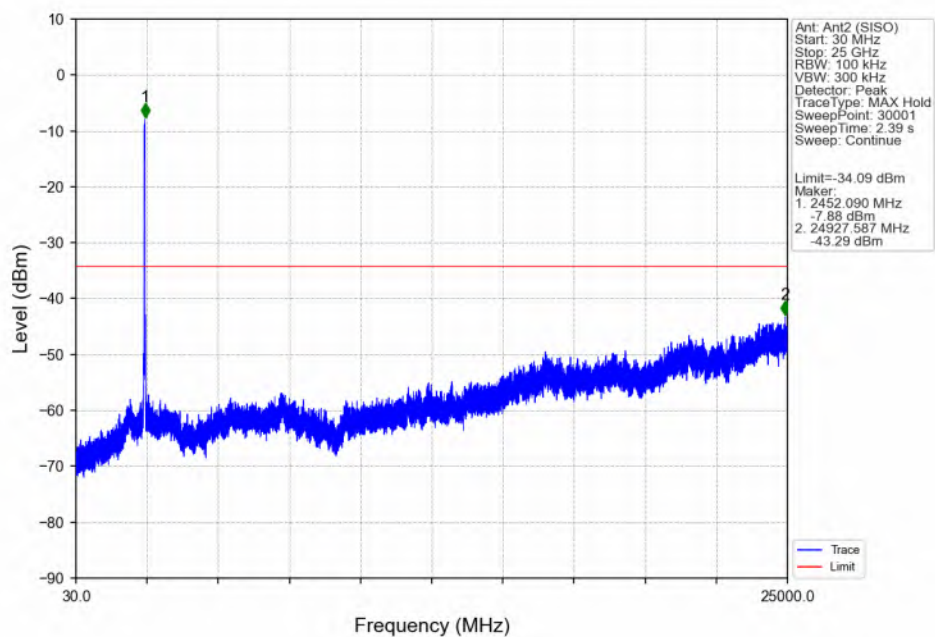
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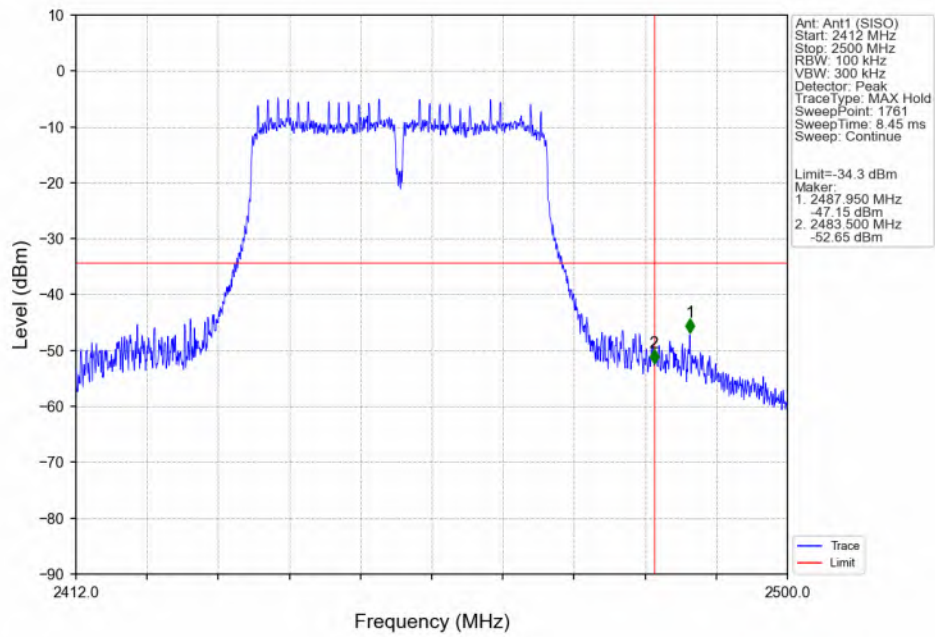
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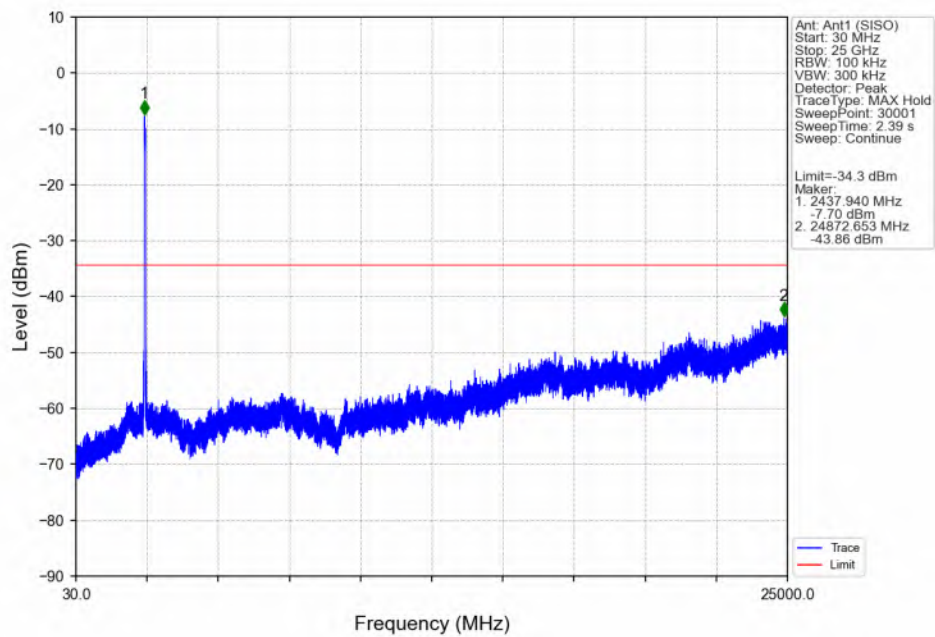
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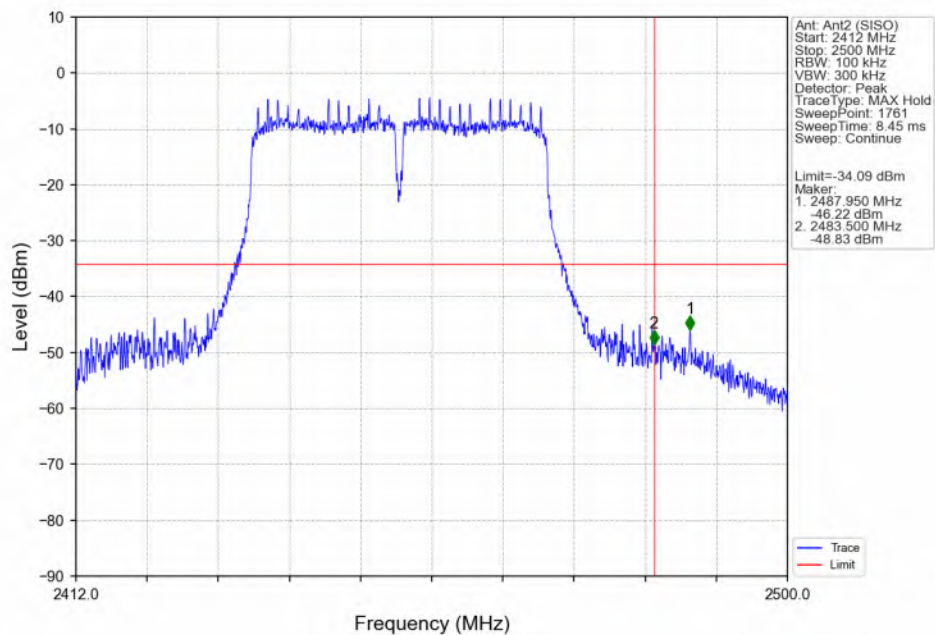
802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant1 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant2 (SISO) NTNV



802.11n(HT40) HCH 2452MHz Ant2 (SISO) NTNV

