

1. Bandwidth

1.1 OBW

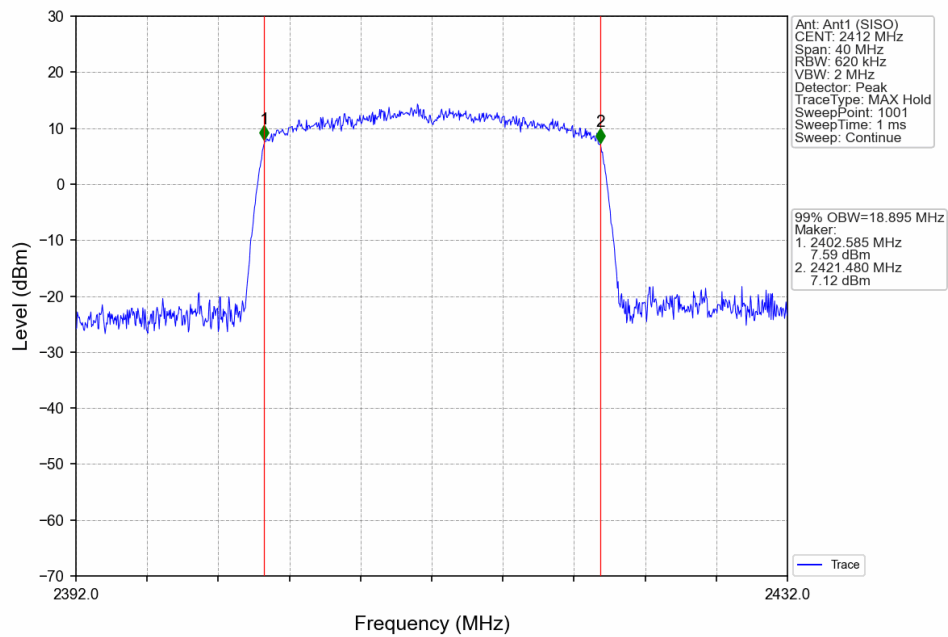
1.1.1 Test Result

Mode	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
802.11ax (HEW20)	2412	RU242	Left	1	18.895	Pass
	2437	RU242	Left	1	19.487	Pass
	2462	RU242	Left	1	19.677	Pass
802.11ax (HEW40)	2422	RU484	Left	1	37.922	Pass
	2437	RU484	Left	1	37.878	Pass
	2452	RU484	Left	1	37.811	Pass

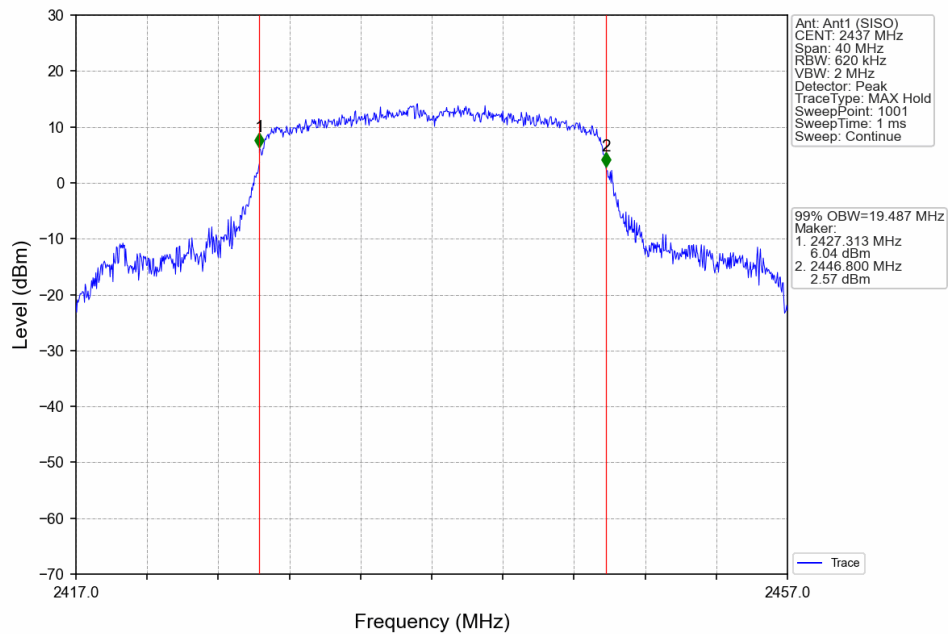
Note: For Bandwidth test both antenna has been tested, only worst result antenna 1 reported.

1.1.2 Test Graph

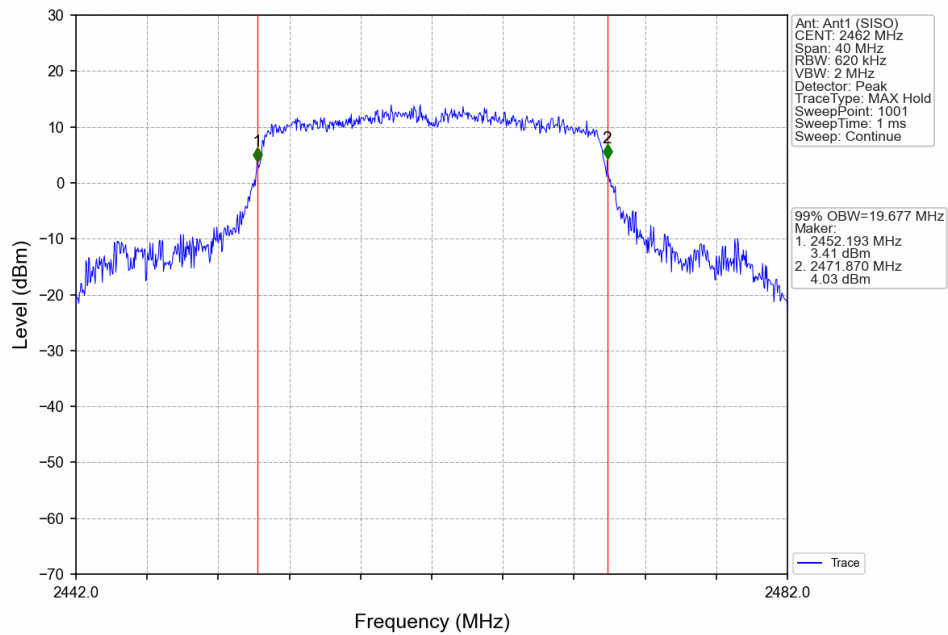
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



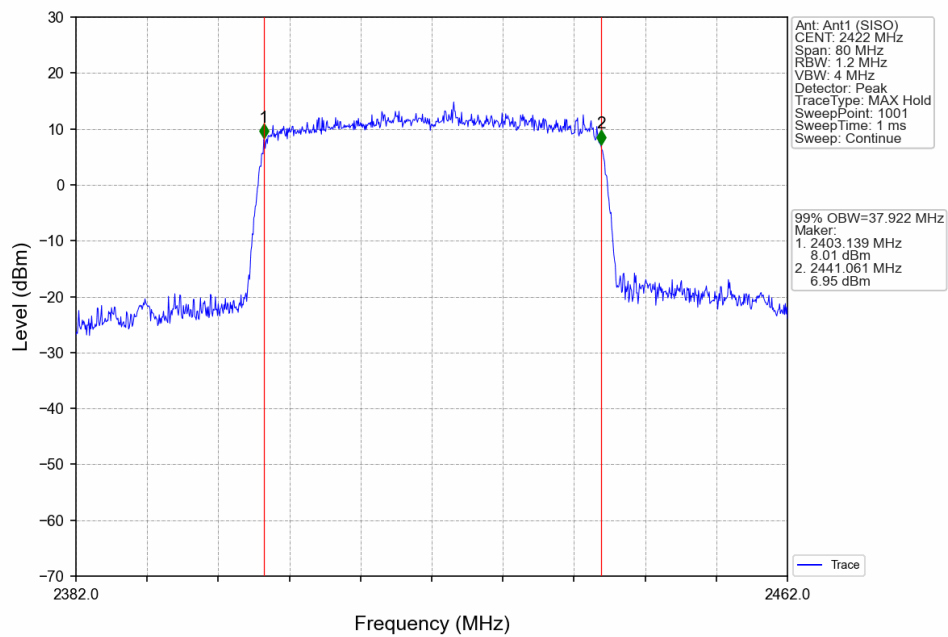
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



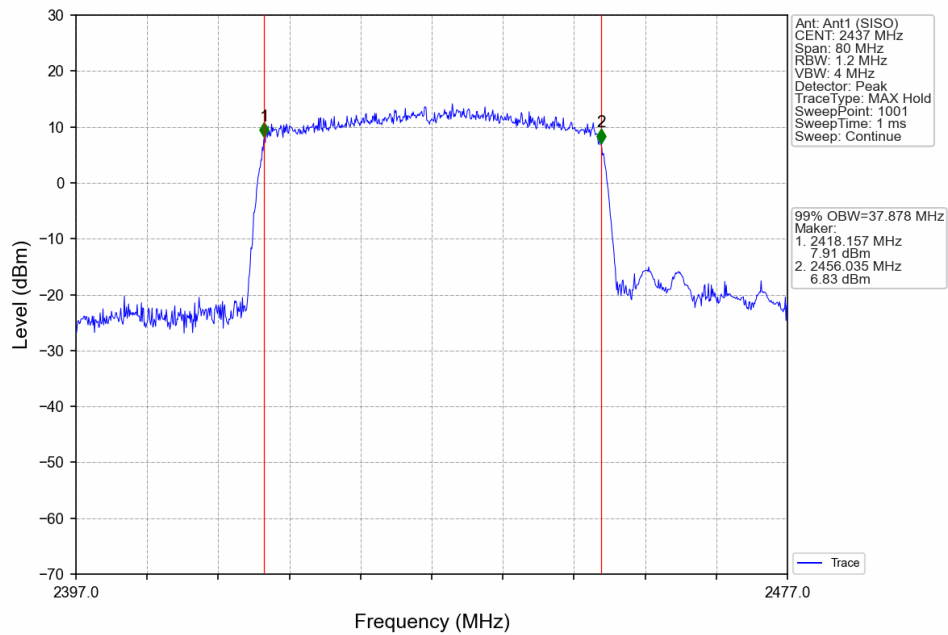
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant1 (SISO) NTNv



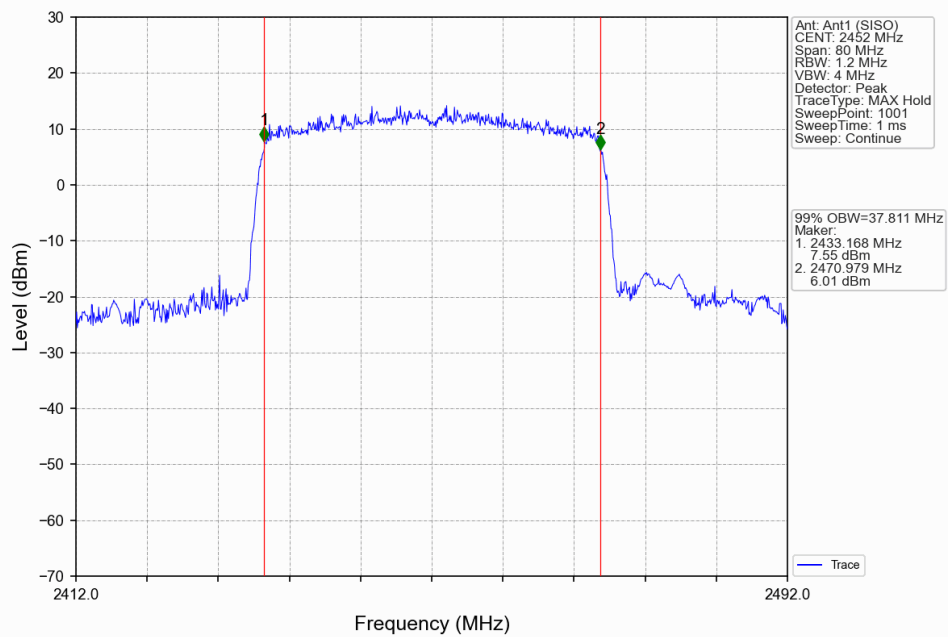
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (SISO) NTNv



802.11ax(HEW40) MCH 2437MHz RU484 Left Ant1 (SISO) NTNv



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (SISO) NTNv



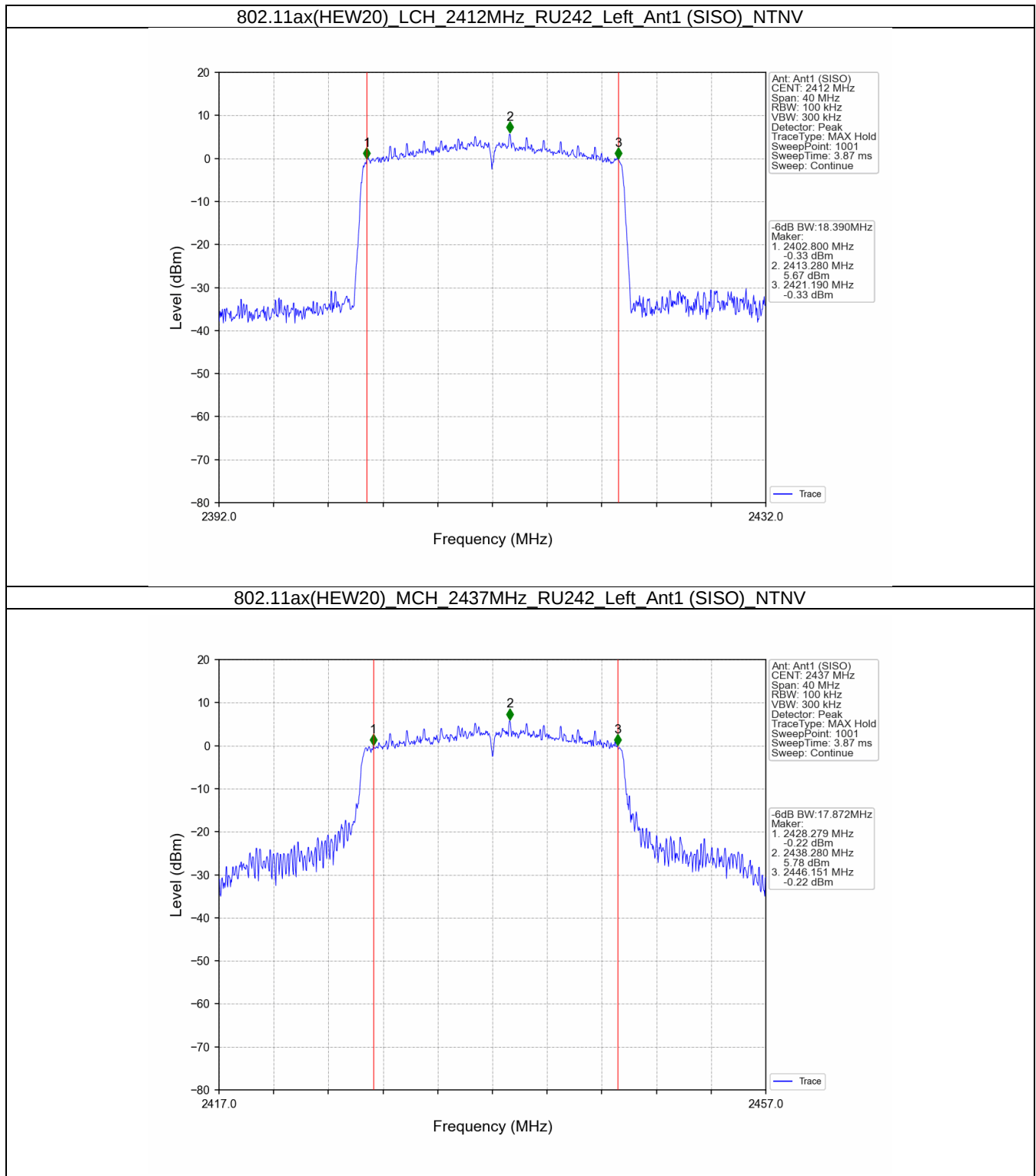
1.2 6dB BW

1.2.1 Test Result

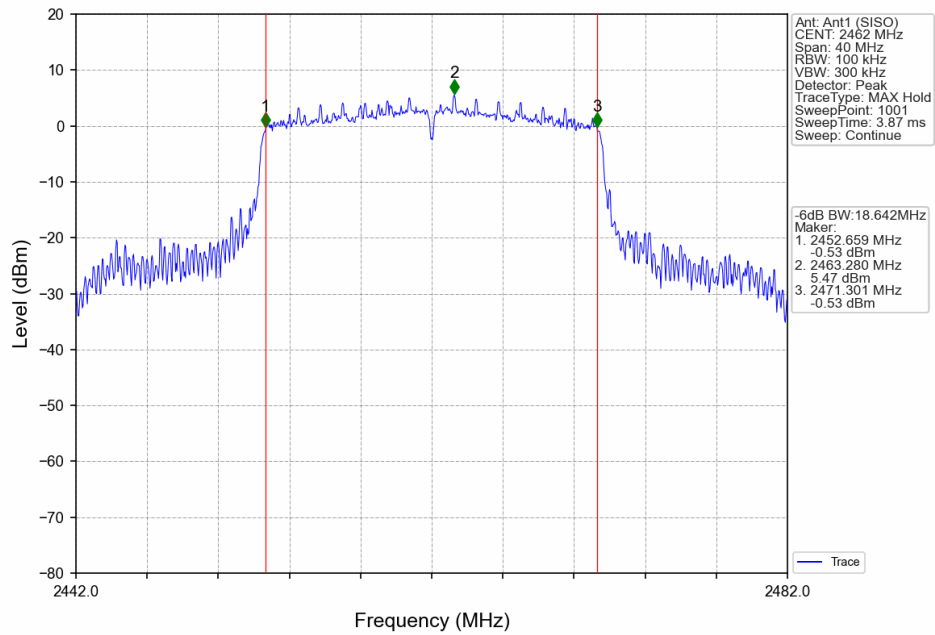
Mode	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
					Result	Limit	
802.11ax (HEW20)	2412	RU242	Left	1	18.390	≥ 0.5	Pass
	2437	RU242	Left	1	17.872	≥ 0.5	Pass
	2462	RU242	Left	1	18.642	≥ 0.5	Pass
802.11ax (HEW40)	2422	RU484	Left	1	37.822	≥ 0.5	Pass
	2437	RU484	Left	1	36.155	≥ 0.5	Pass
	2452	RU484	Left	1	37.307	≥ 0.5	Pass

Note: For Bandwidth test both antenna has been tested, only worst result antenna 1 reported.

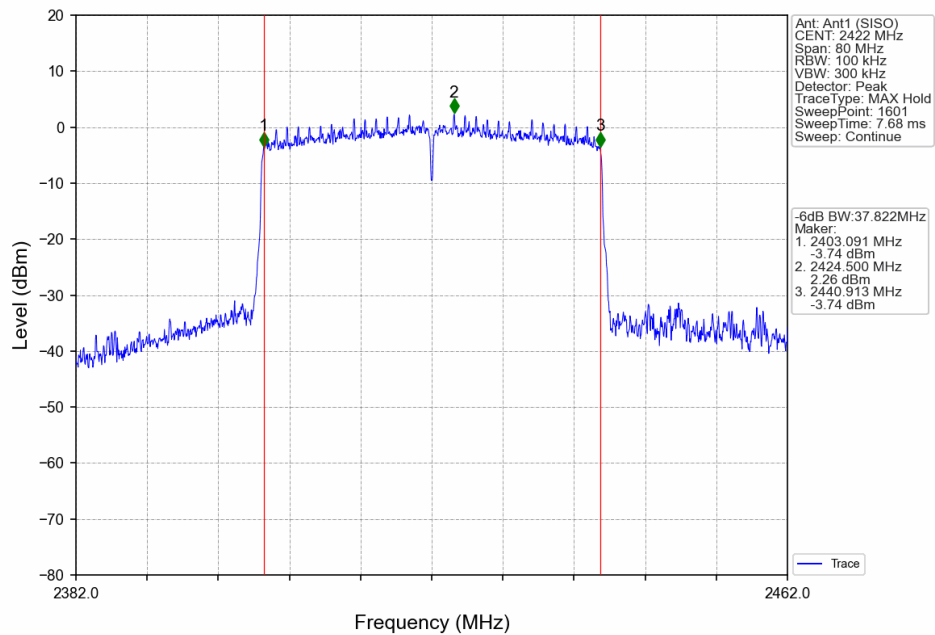
1.2.2 Test Graph



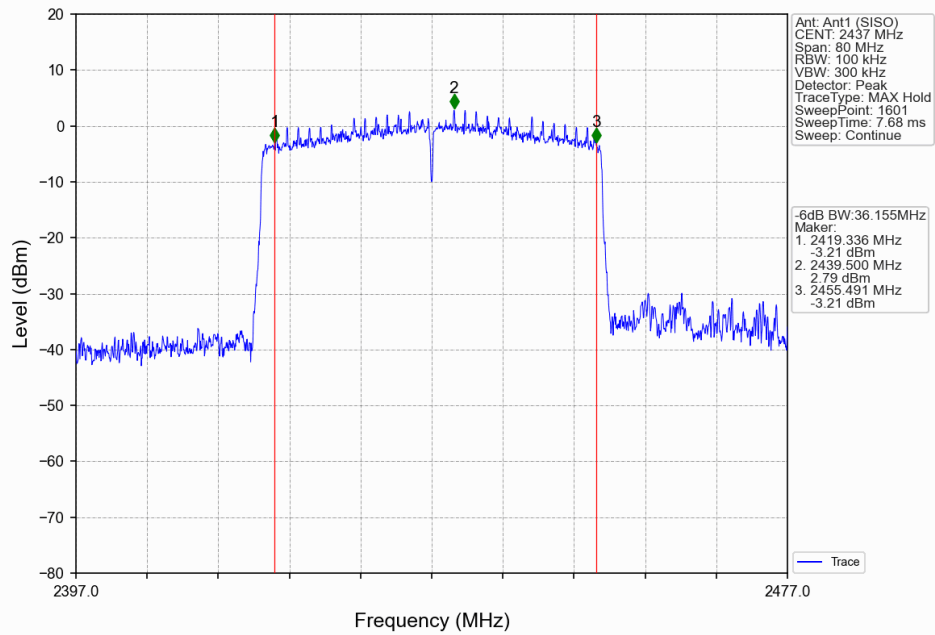
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant1 (SISO) NTN



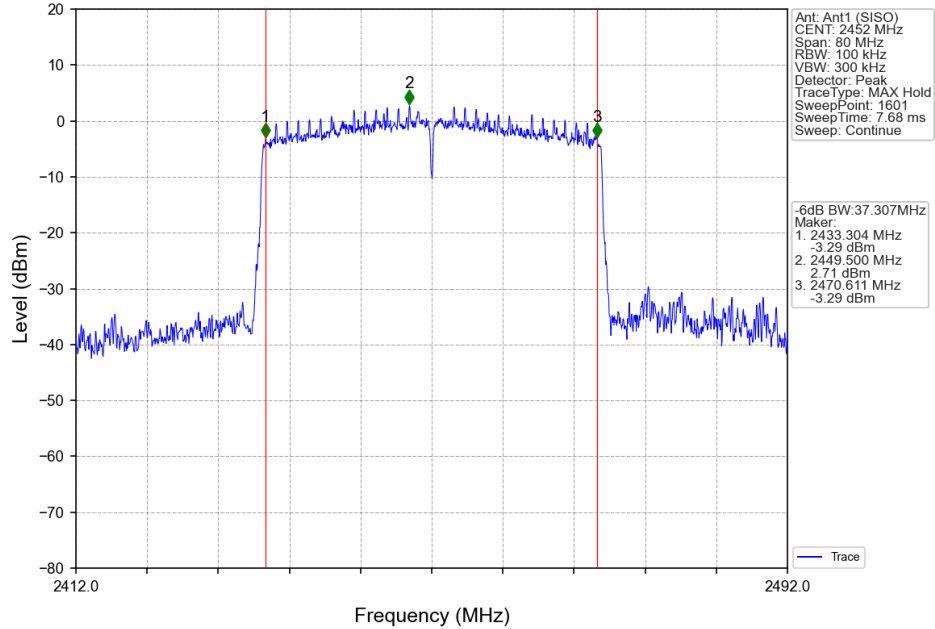
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (SISO) NTN



802.11ax(HEW40) MCH 2437MHz RU484 Left Ant1 (SISO) NTN



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (SISO) NTN



2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Maximum Average Conducted Output Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11ax (HEW20)	SISO	2412	RU242	Left	15.69	14.84	/	<=30	Pass
		2437	RU242	Left	16.06	15.39	/	<=30	Pass
		2462	RU242	Left	16.01	15.01	/	<=30	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	16.00	14.97	/	<=30	Pass
		2437	RU484	Left	16.07	15.30	/	<=30	Pass
		2452	RU484	Left	16.04	14.93	/	<=30	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	15.85	14.88	18.40	<=30	Pass
		2437	RU242	Left	16.10	15.49	18.82	<=30	Pass
		2462	RU242	Left	15.92	15.03	18.51	<=30	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	16.13	15.46	18.82	<=30	Pass
		2437	RU484	Left	16.37	15.46	18.95	<=30	Pass
		2452	RU484	Left	16.51	15.56	19.07	<=30	Pass

Note1: Antenna Gain: Ant1: 2.99dBi; Ant2: 2.82dBi;
Note2: Directional Gain: 6.0dBi

EIPR

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)			E.I.R.P			Limit	Verdict
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
802.11ax (HEW20)	SISO	2412	RU242	Left	15.69	14.84	/	18.68	17.66		<=36.02	Pass
		2437	RU242	Left	16.06	15.39	/	19.05	18.21		<=36.02	Pass
		2462	RU242	Left	16.01	15.01	/	19.00	17.83		<=36.02	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	16.00	14.97	/	18.99	17.79		<=36.02	Pass
		2437	RU484	Left	16.07	15.30	/	19.06	18.12		<=36.02	Pass
		2452	RU484	Left	16.04	14.93	/	19.03	17.75		<=36.02	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	15.85	14.88	18.40	18.84	17.70	24.40	<=36.02	Pass
		2437	RU242	Left	16.10	15.49	18.82	19.09	18.31	24.82	<=36.02	Pass
		2462	RU242	Left	15.92	15.03	18.51	18.91	17.85	24.51	<=36.02	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	16.13	15.46	18.82	19.12	18.28	24.82	<=36.02	Pass
		2437	RU484	Left	16.37	15.46	18.95	19.36	18.28	24.95	<=36.02	Pass
		2452	RU484	Left	16.51	15.56	19.07	19.50	18.38	25.07	<=36.02	Pass

Note1: Antenna Gain: Ant1: 2.99dBi; Ant2: 2.82dBi;
Note2: Directional Gain: 6.0dBi
Note3: For SISO mode eirp= Maximum Average Conducted Output Power (dBm)+ independent Antenna Gain.
For MIMO mode eirp= Total Conducted Output Power (dBm)+ Directional Gain.

3. Maximum Power Spectral Density

3.1 PSD

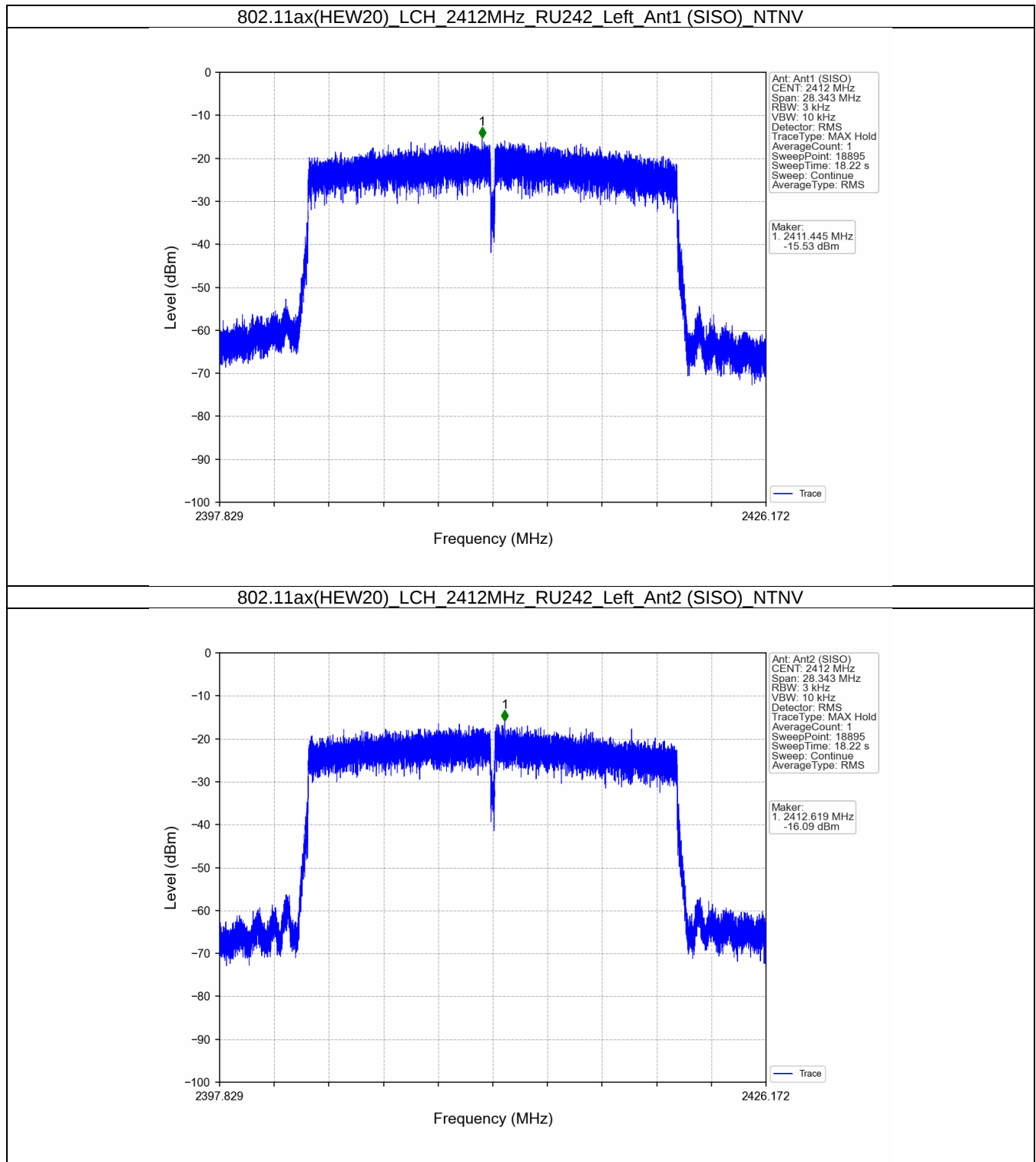
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11ax (HEW20)	SISO	2412	RU242	Left	-15.53	-16.09	/	<=8	Pass
		2437	RU242	Left	-15.00	-15.07	/	<=8	Pass
		2462	RU242	Left	-16.87	-17.37	/	<=8	Pass
802.11ax (HEW40)	SISO	2422	RU484	Left	-18.98	-20.51	/	<=8	Pass
		2437	RU484	Left	-19.34	-19.40	/	<=8	Pass
		2452	RU484	Left	-19.55	-18.66	/	<=8	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	-16.54	-16.75	-13.63	<=8	Pass
		2437	RU242	Left	-16.59	-16.82	-13.83	<=8	Pass
		2462	RU242	Left	-17.06	-17.86	-14.43	<=8	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	-19.10	-20.57	-17.22	<=8	Pass
		2437	RU484	Left	-19.08	-19.29	-16.39	<=8	Pass
		2452	RU484	Left	-18.64	-20.10	-16.80	<=8	Pass

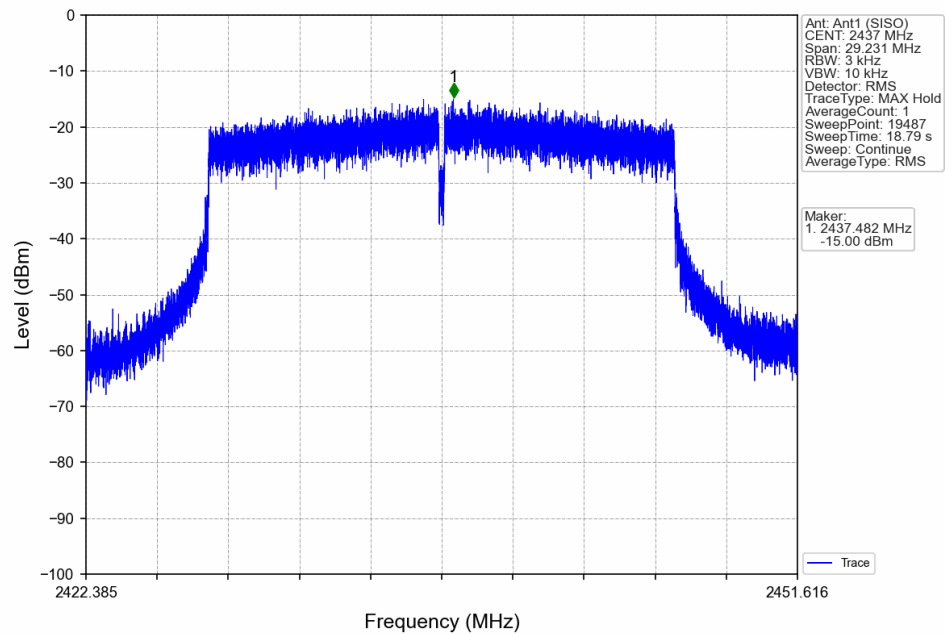
Note1: Antenna Gain: Ant1: 2.99dBi; Ant2: 2.82dBi;

Note2: Directional Gain: 6.0dBi

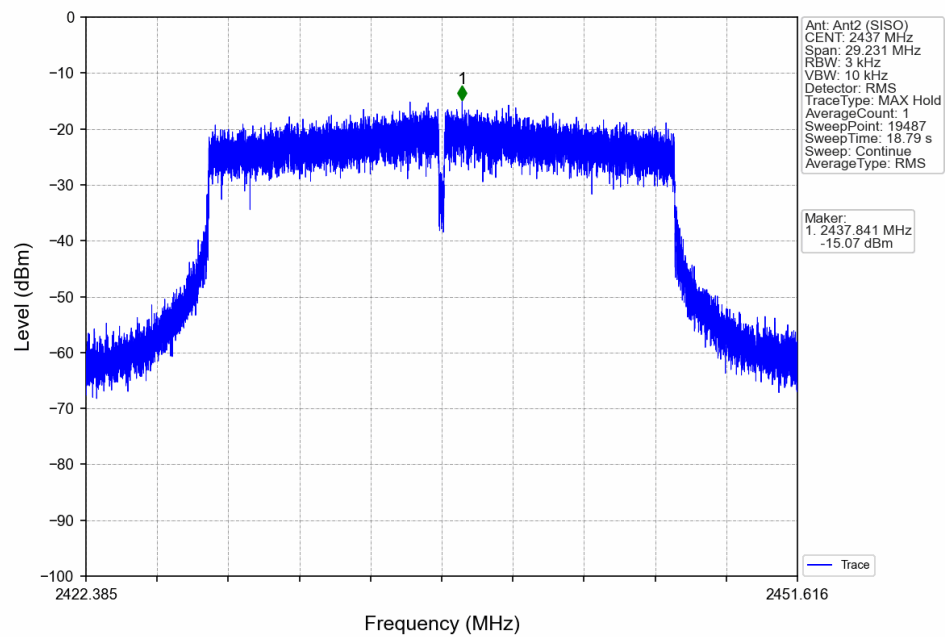
3.1.2 Test Graph



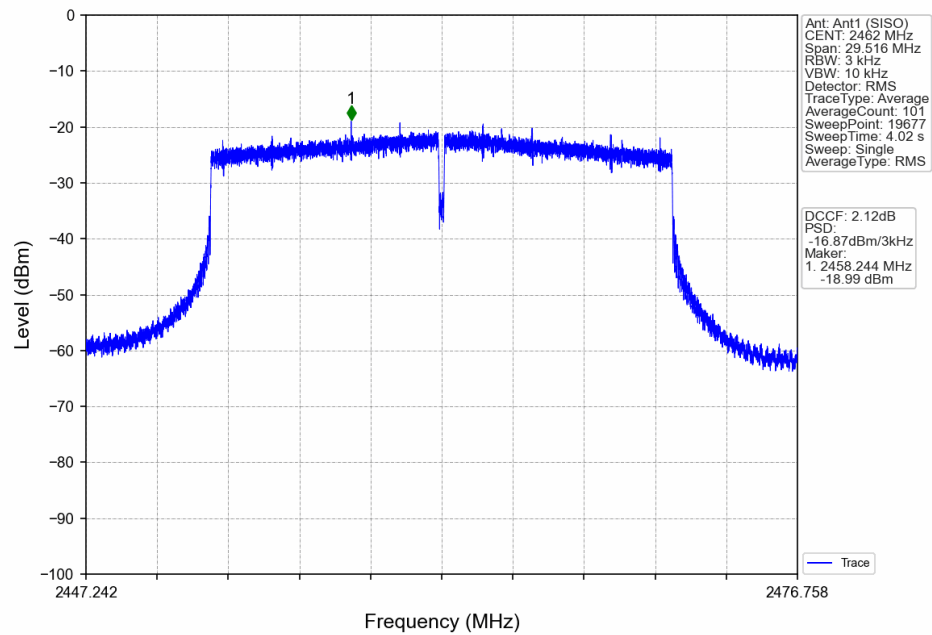
802.11ax(HEW20) MCH 2437MHz RU242 Left Ant1 (SISO) NTNv



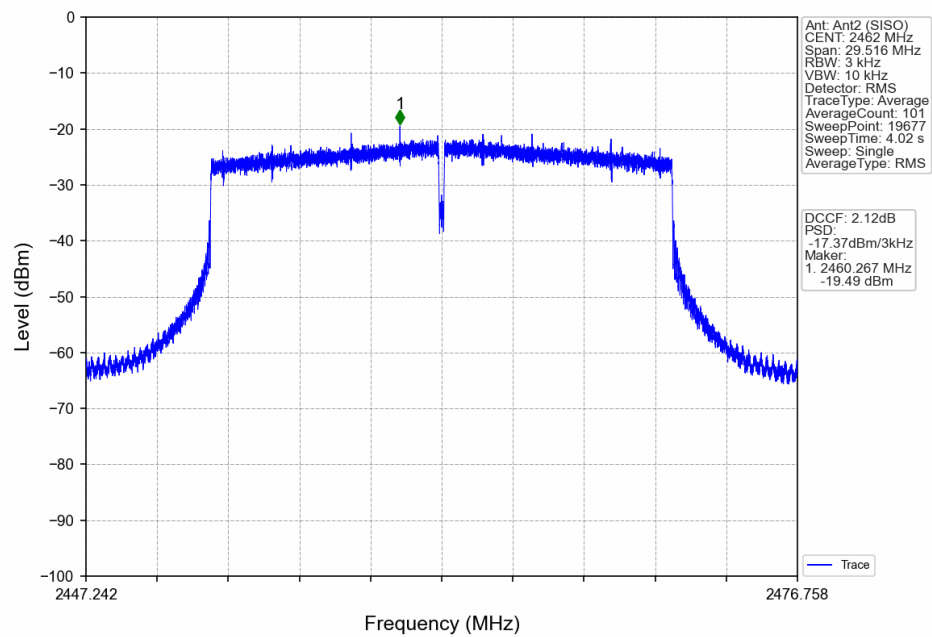
802.11ax(HEW20) MCH 2437MHz RU242 Left Ant2 (SISO) NTNv



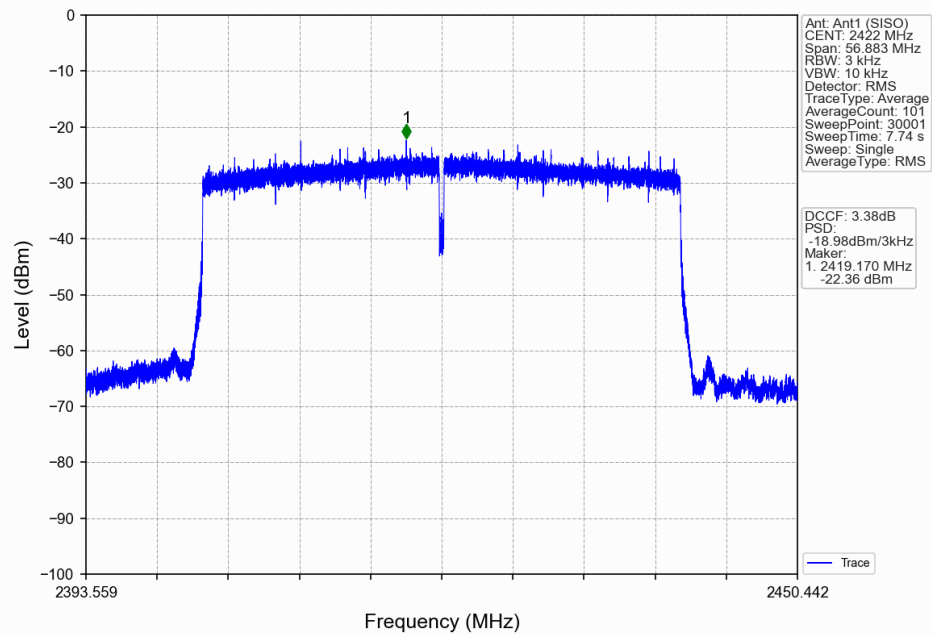
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant1 (SISO) NTNv



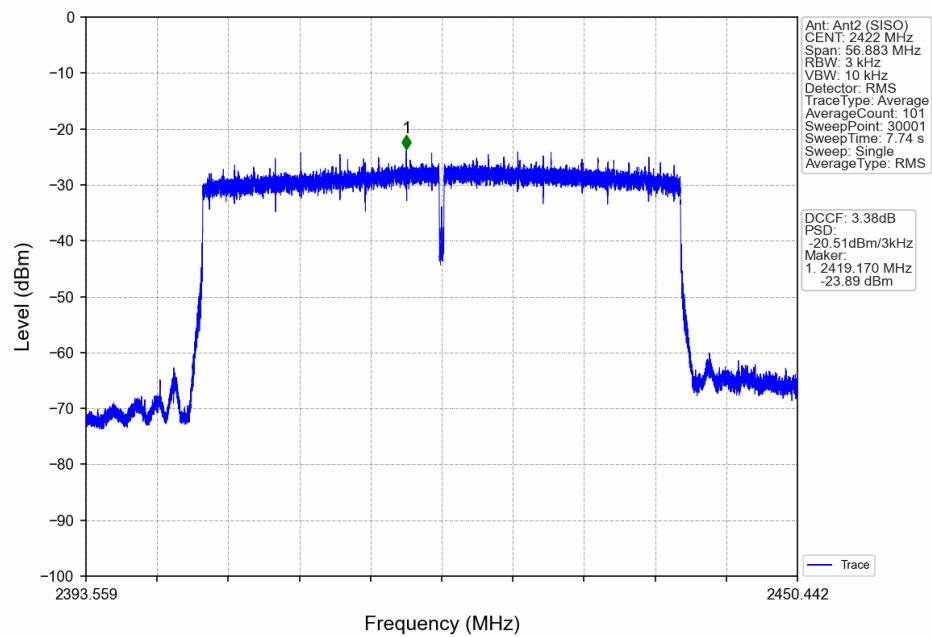
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant2 (SISO) NTNv



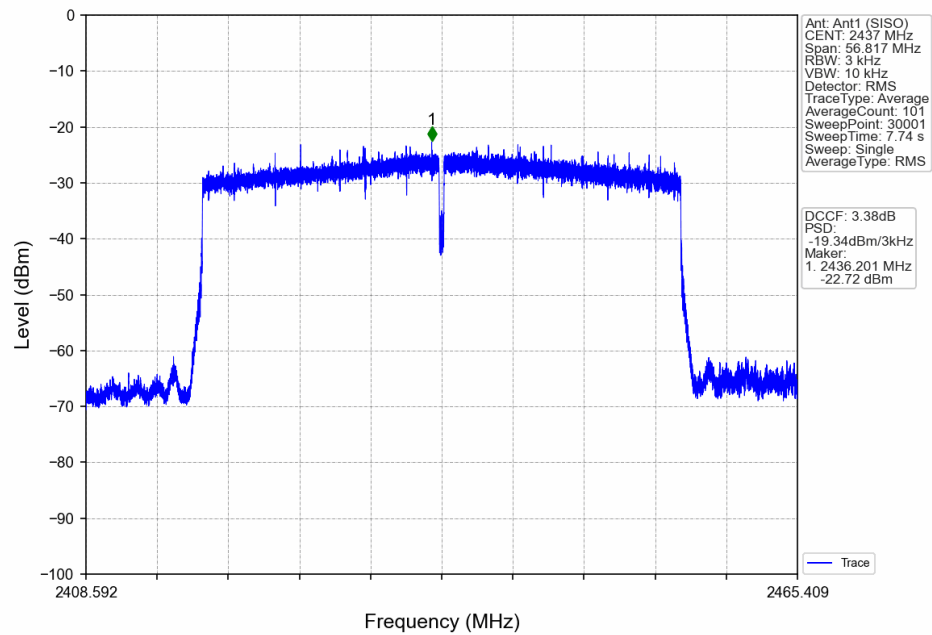
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (SISO) NTNv



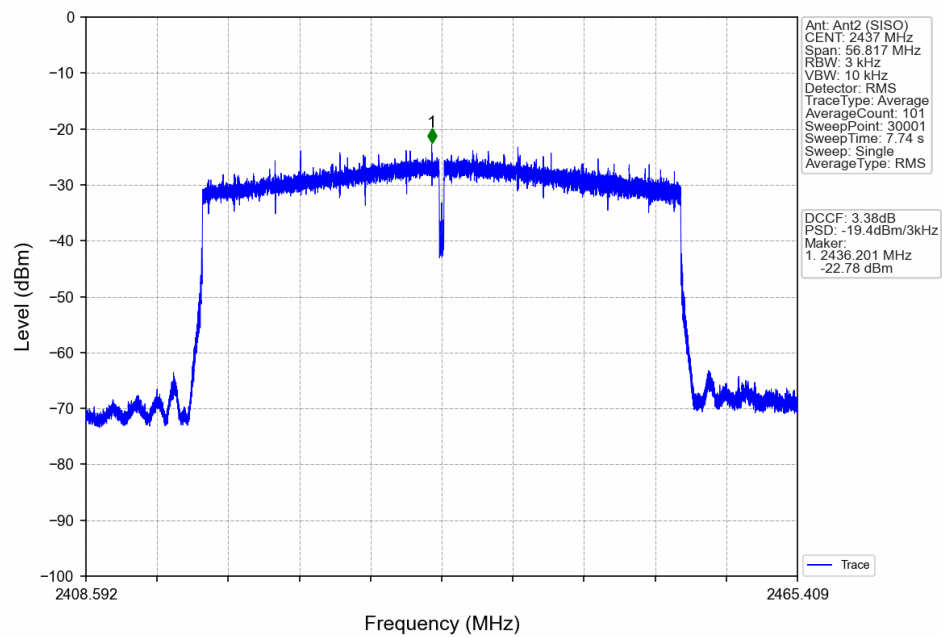
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant2 (SISO) NTNv



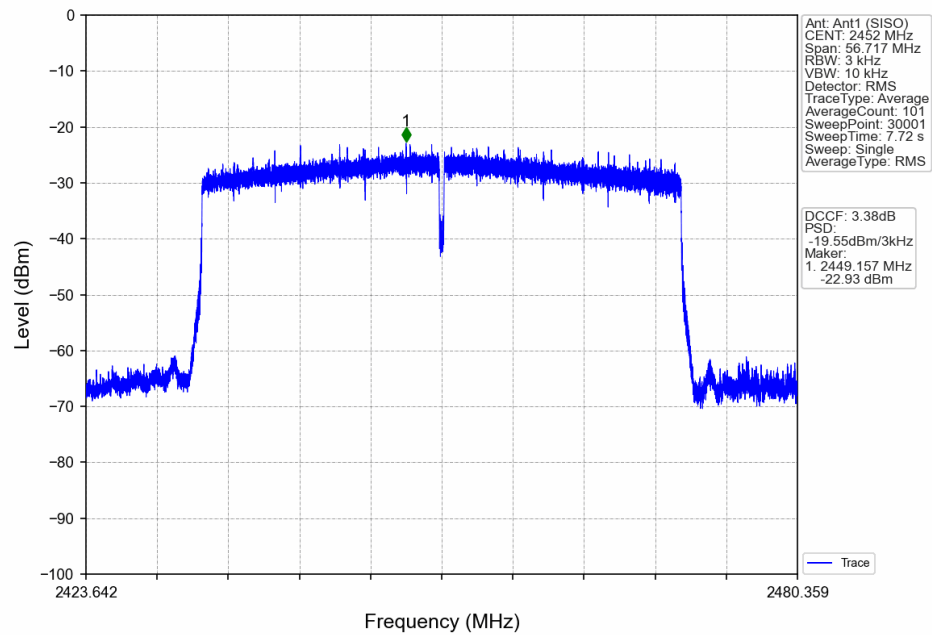
802.11ax(HEW40) MCH 2437MHz RU484 Left Ant1 (SISO) NTNv



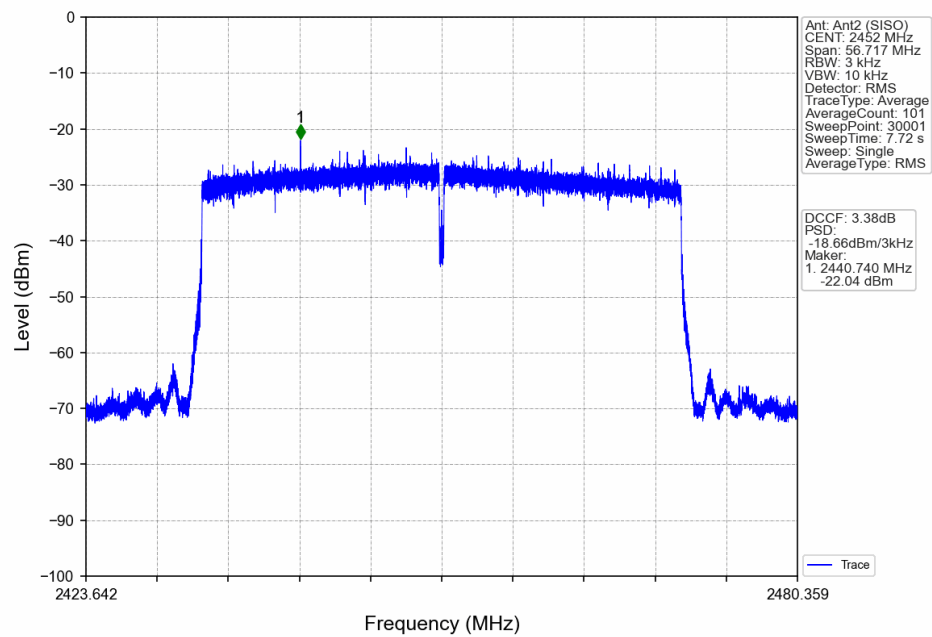
802.11ax(HEW40) MCH 2437MHz RU484 Left Ant2 (SISO) NTNv



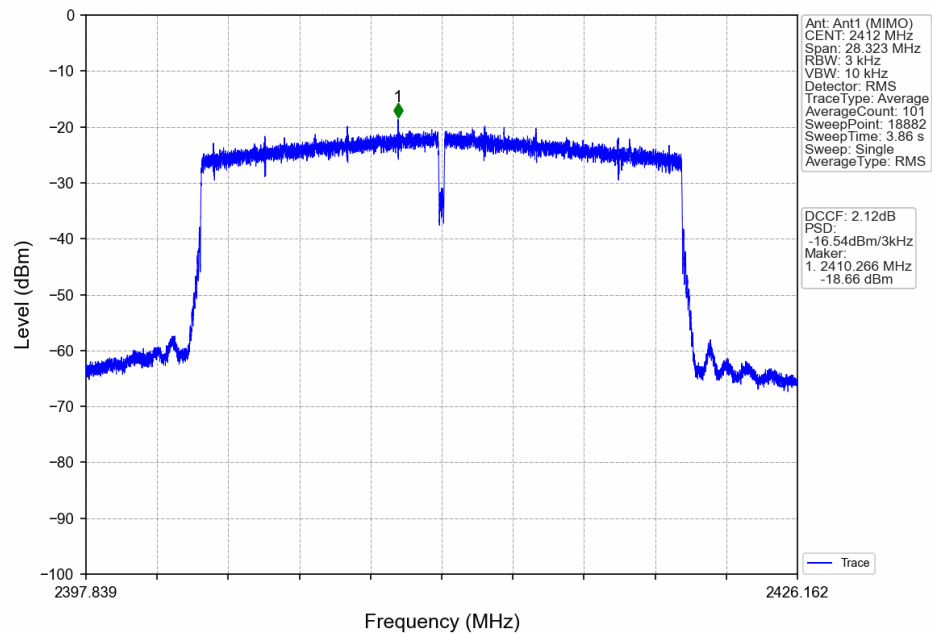
802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (SISO) NTN



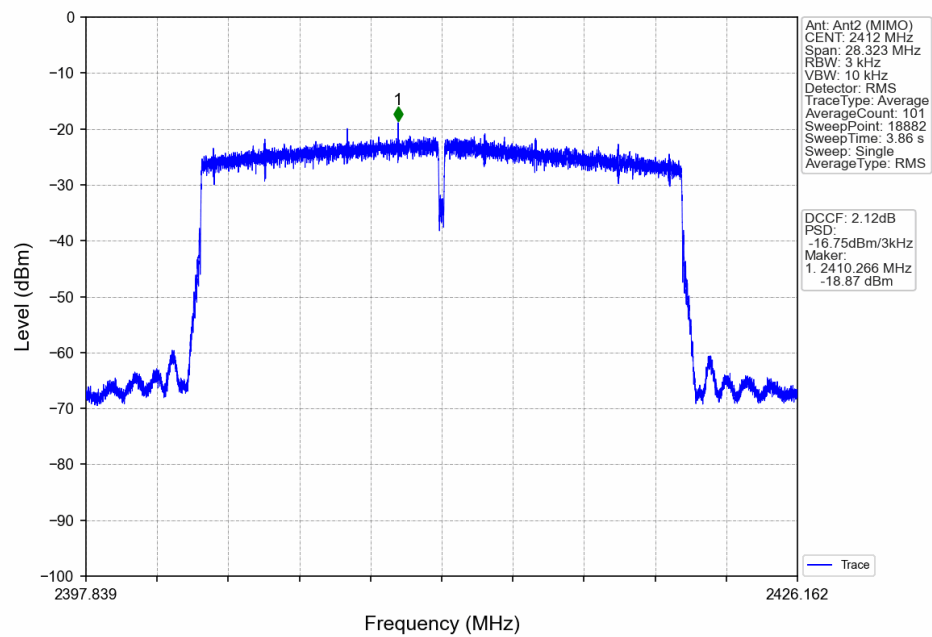
802.11ax(HEW40) HCH 2452MHz RU484 Left Ant2 (SISO) NTN



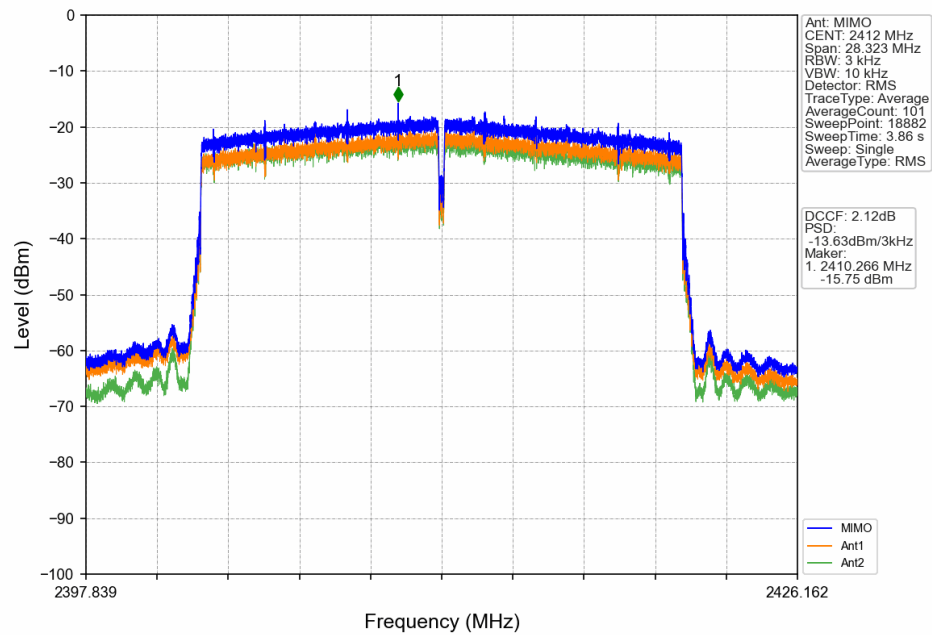
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTNv



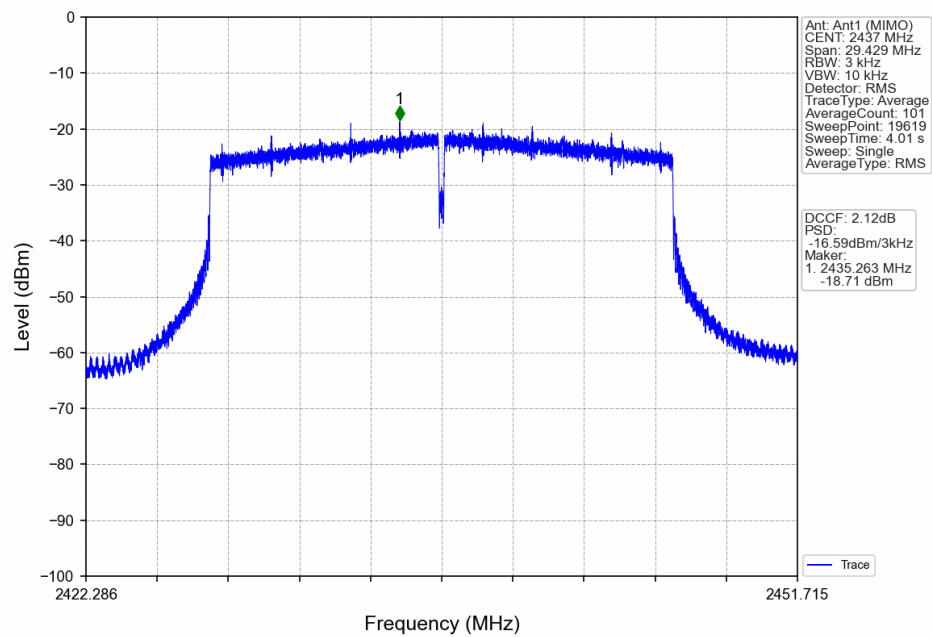
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant2 (MIMO) NTNv



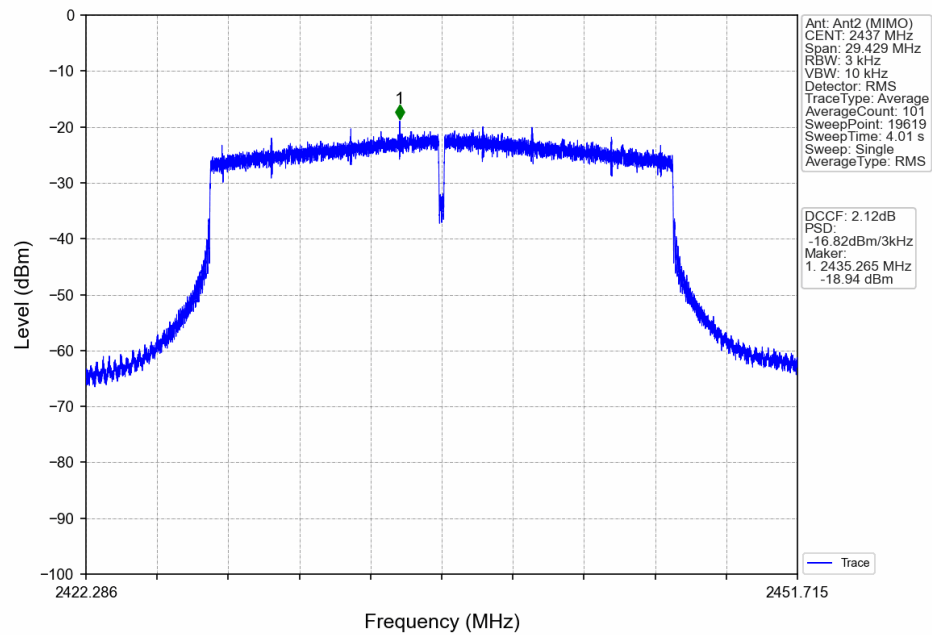
802.11ax(HEW20) LCH 2412MHz RU242 Left MIMO NTN



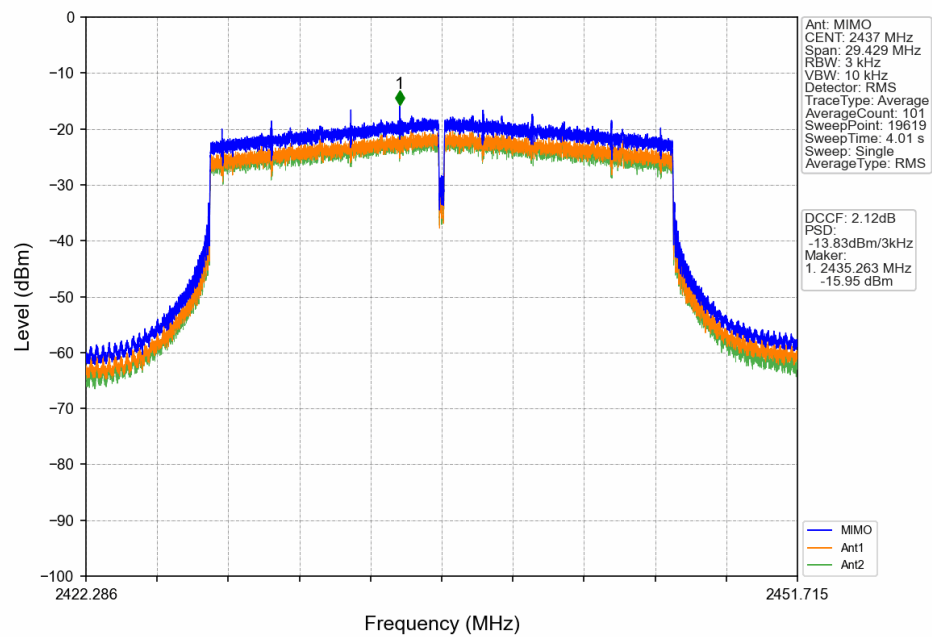
802.11ax(HEW20) MCH 2437MHz RU242 Left Ant1 (MIMO) NTN



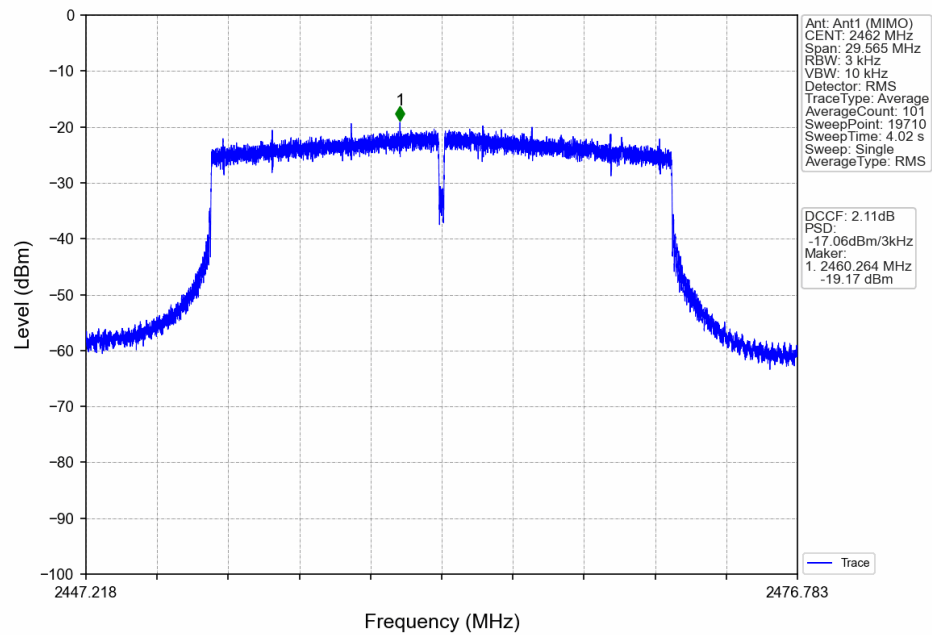
802.11ax(HEW20) MCH 2437MHz RU242 Left Ant2 (MIMO) NTN



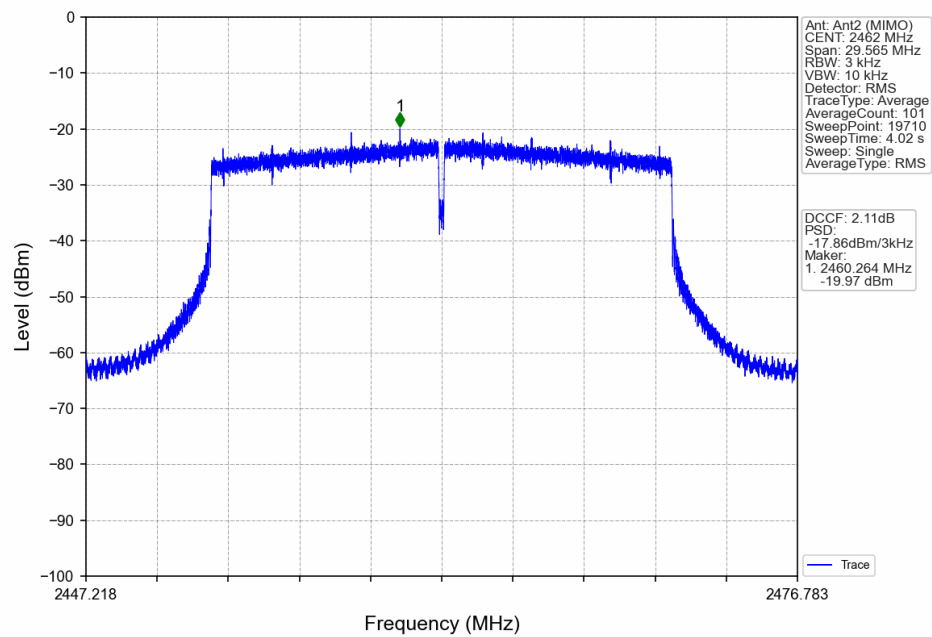
802.11ax(HEW20) MCH 2437MHz RU242 Left MIMO NTN



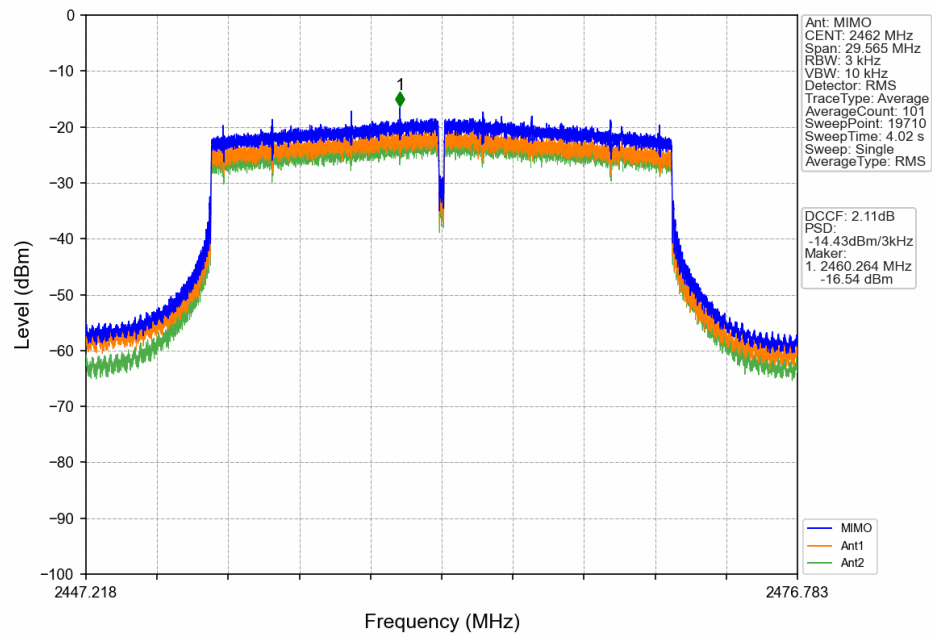
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant1 (MIMO) NTNV



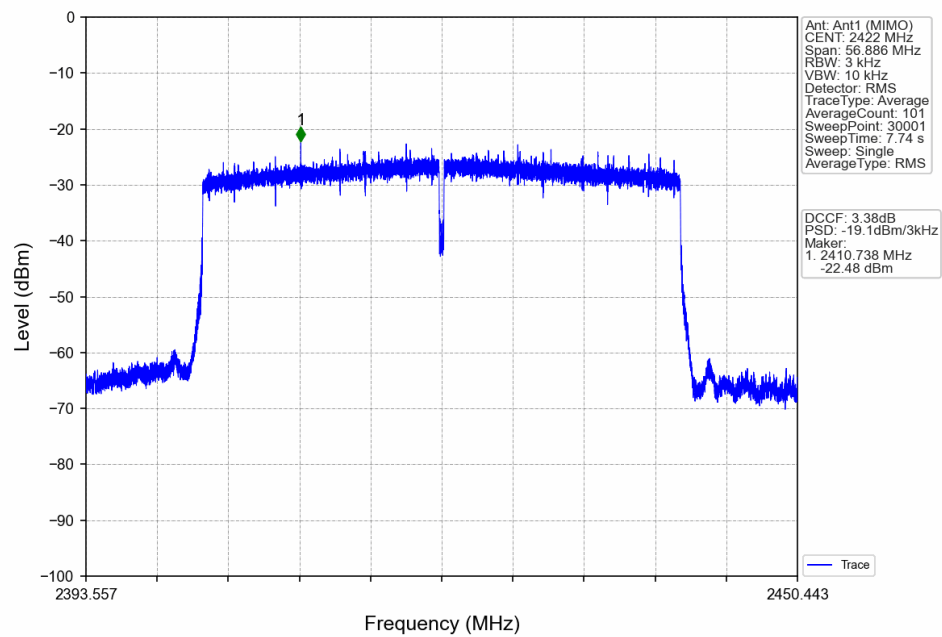
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant2 (MIMO) NTNV



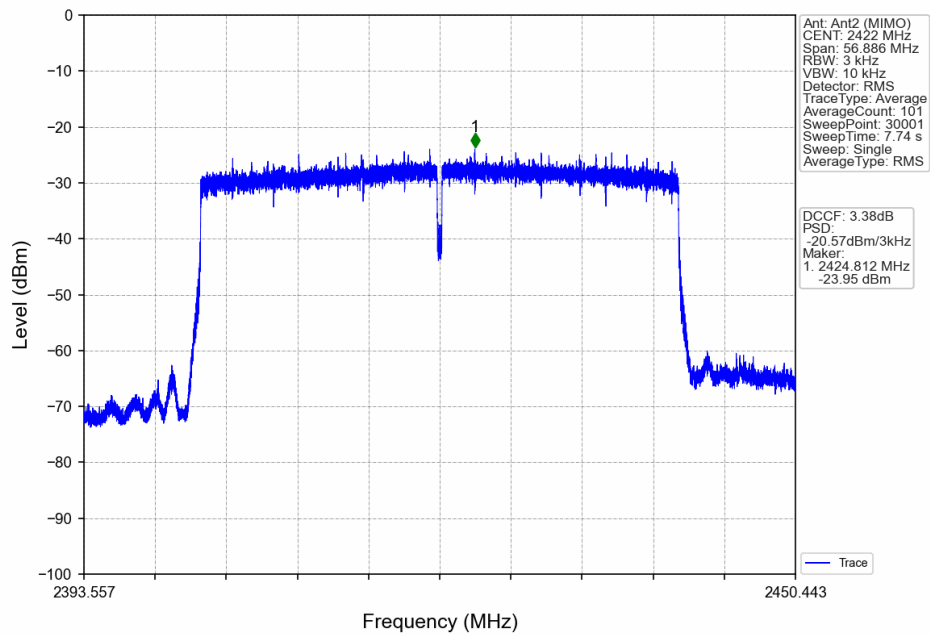
802.11ax(HEW20) HCH 2462MHz RU242 Left MIMO NTN



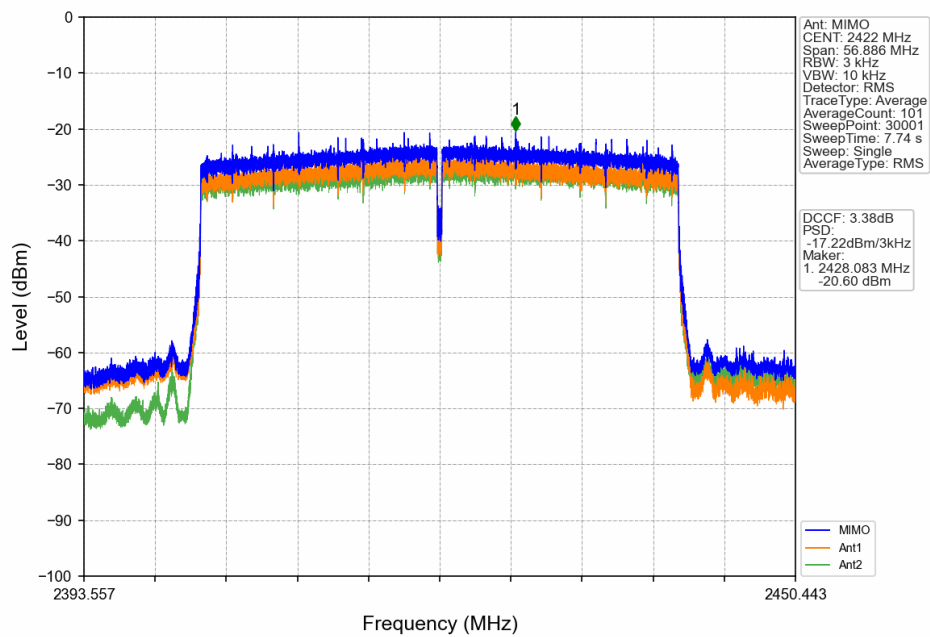
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (MIMO) NTN



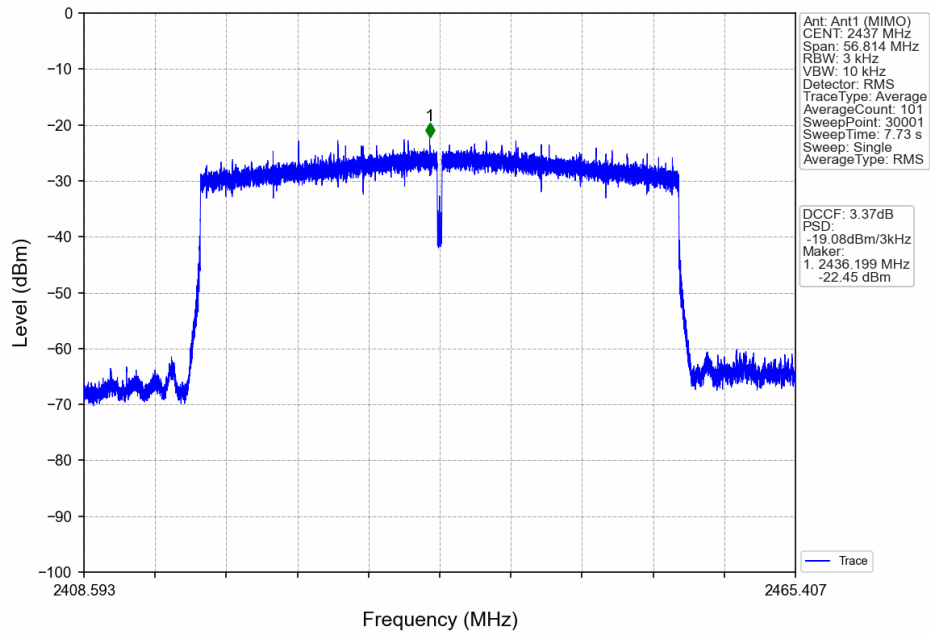
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant2 (MIMO) NTN



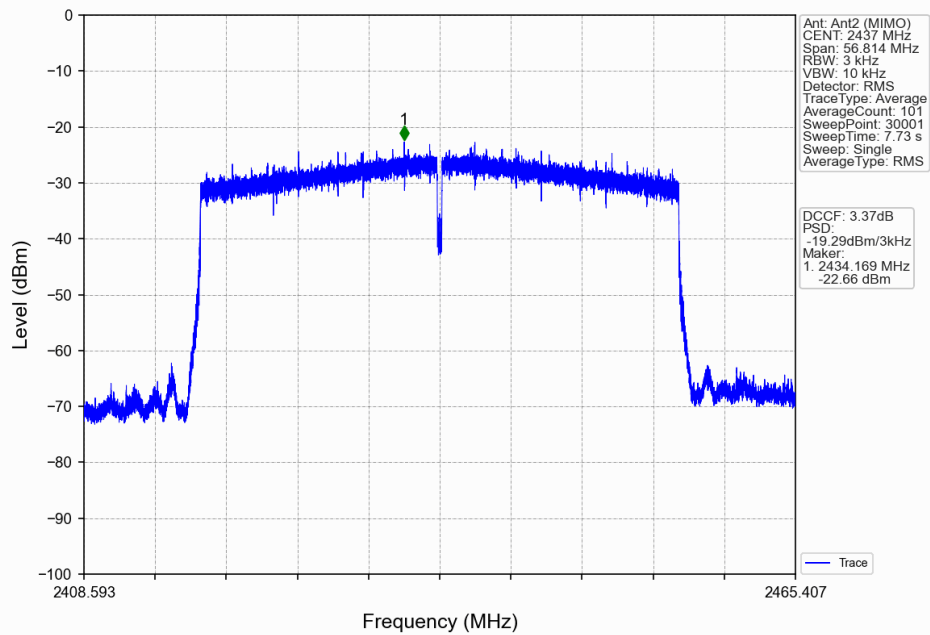
802.11ax(HEW40) LCH 2422MHz RU484 Left MIMO NTN



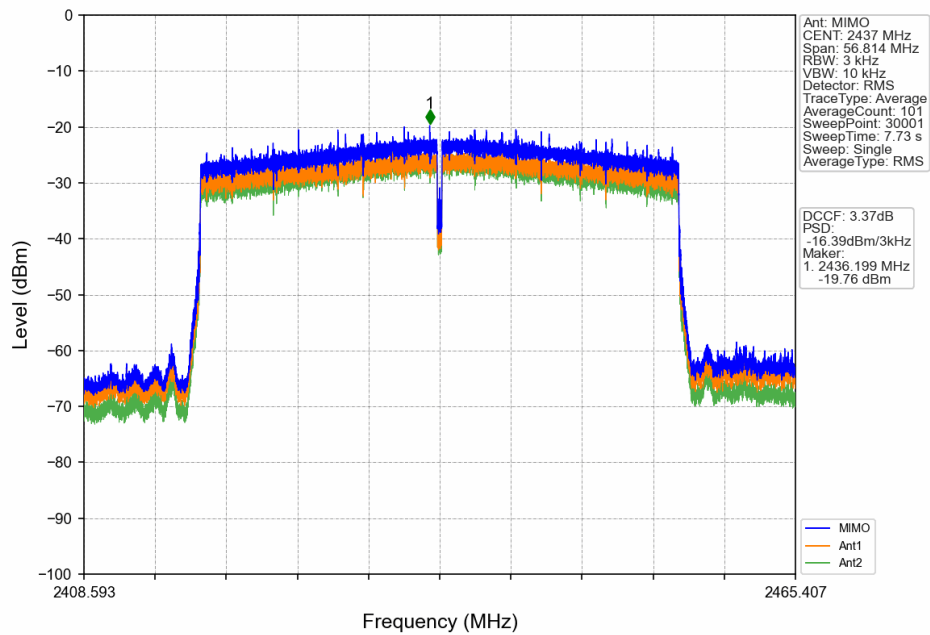
802.11ax(HEW40) MCH 2437MHz RU484 Left Ant1 (MIMO) NTNV



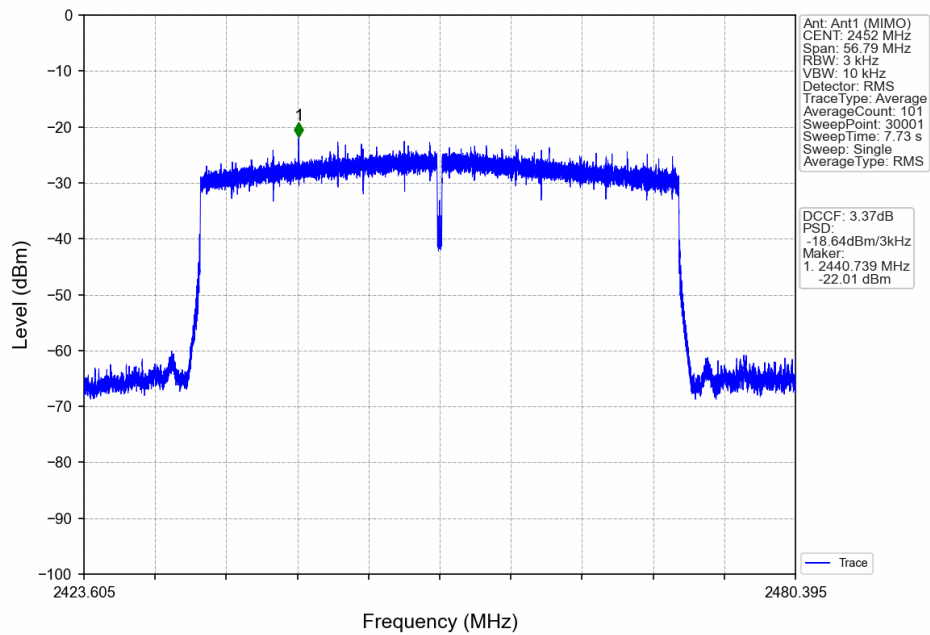
802.11ax(HEW40) MCH 2437MHz RU484 Left Ant2 (MIMO) NTNV



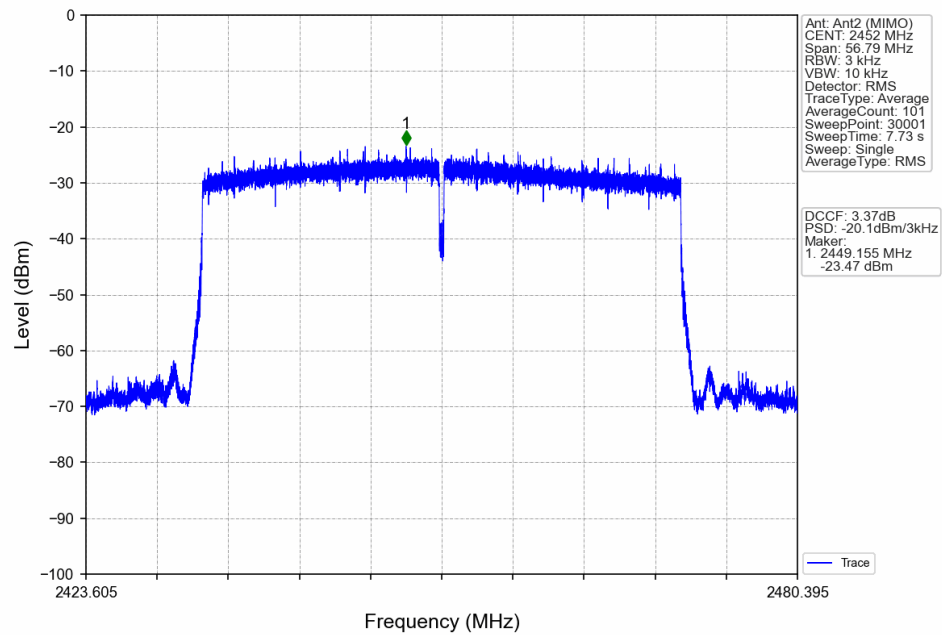
802.11ax(HEW40) MCH 2437MHz RU484 Left MIMO NTN



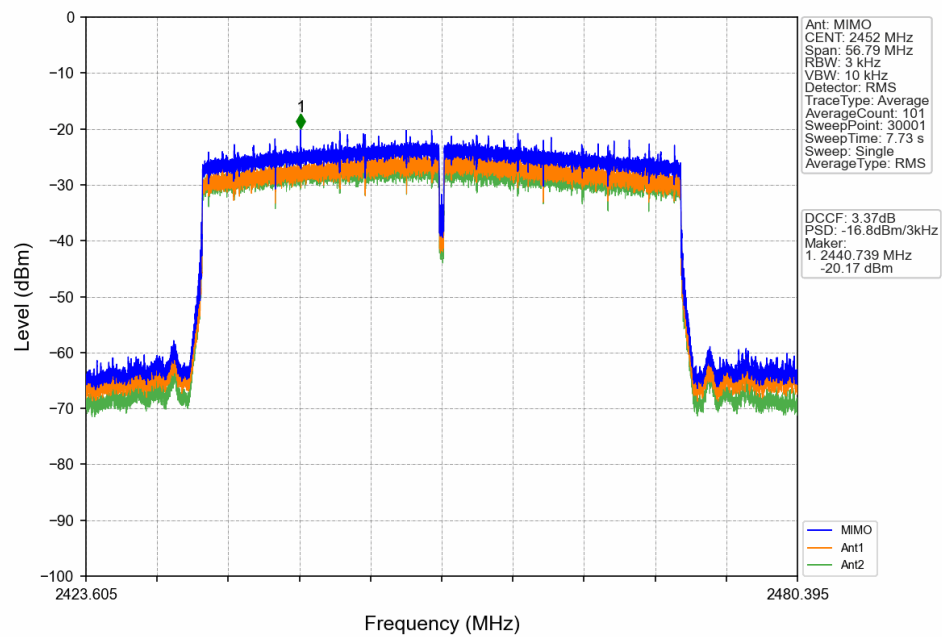
802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (MIMO) NTN



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant2 (MIMO) NTNV



802.11ax(HEW40) HCH 2452MHz RU484 Left MIMO NTNV



4. Unwanted Emissions In Non-restricted Frequency Bands

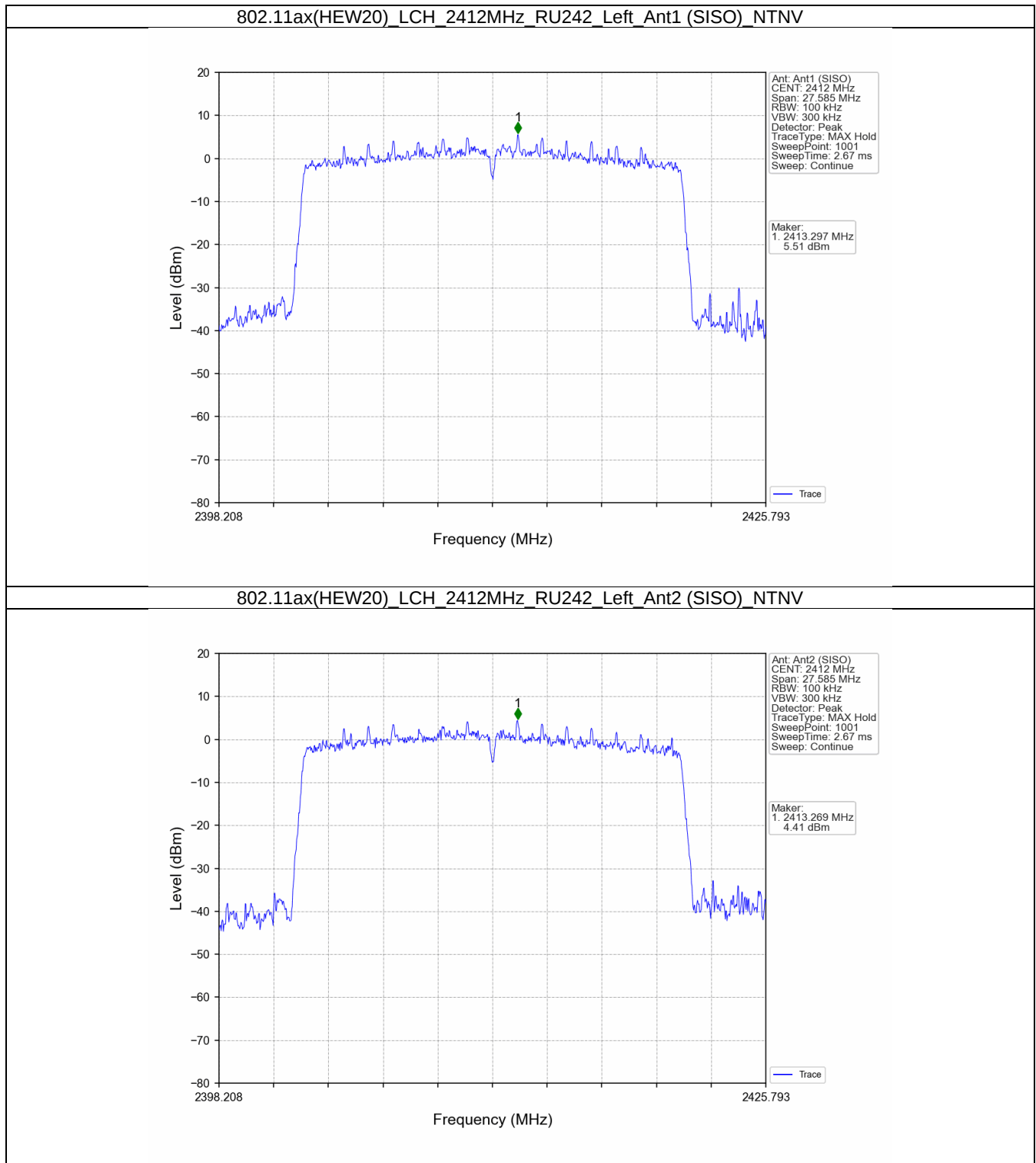
4.1 Ref

4.1.1 Test Result

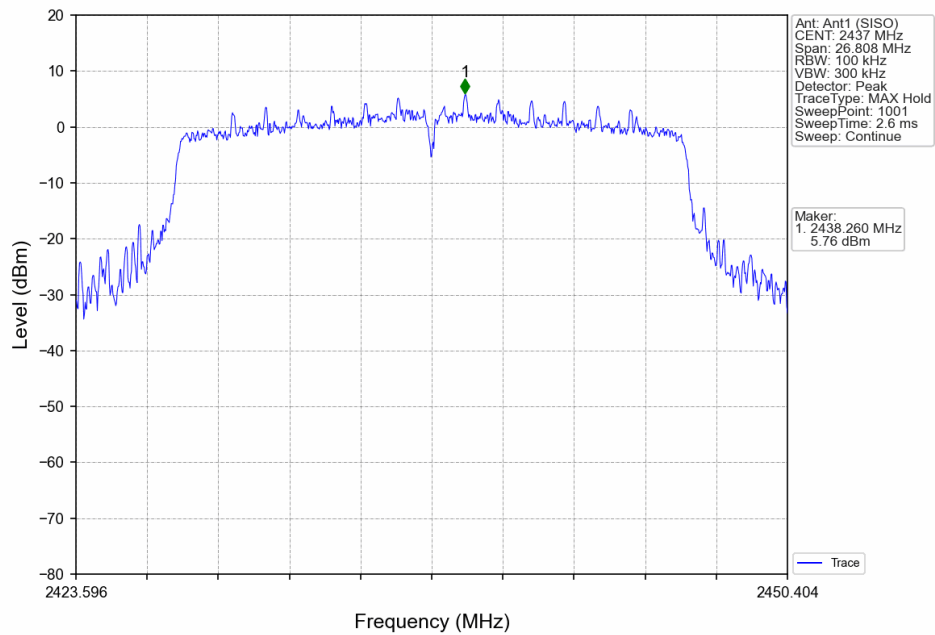
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11ax (HEW20)	SISO	2412	RU242	Left	1	5.51
					2	4.41
		2437	RU242	Left	1	5.76
					2	5.20
		2462	RU242	Left	1	5.32
					2	4.06
802.11ax (HEW40)	SISO	2422	RU484	Left	1	2.19
					2	1.26
		2437	RU484	Left	1	2.73
					2	2.14
		2452	RU484	Left	1	2.50
					2	1.36
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	5.10
					2	4.13
		2437	RU242	Left	1	5.20
					2	5.35
		2462	RU242	Left	1	5.63
					2	4.31
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	2.45
					2	1.61
		2437	RU484	Left	1	2.89
					2	2.66
		2452	RU484	Left	1	2.94
					2	1.89

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.

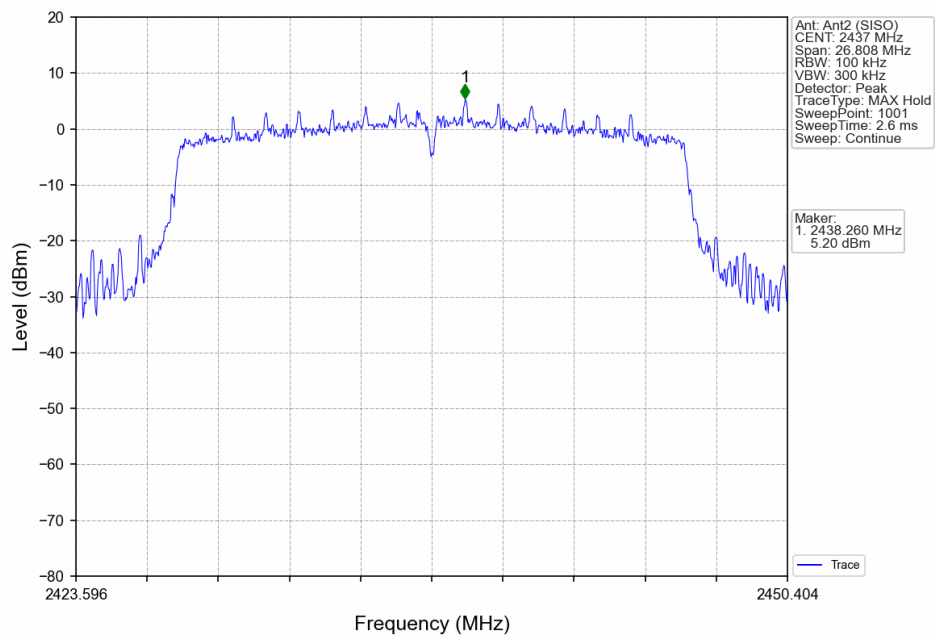
4.1.2 Test Graph



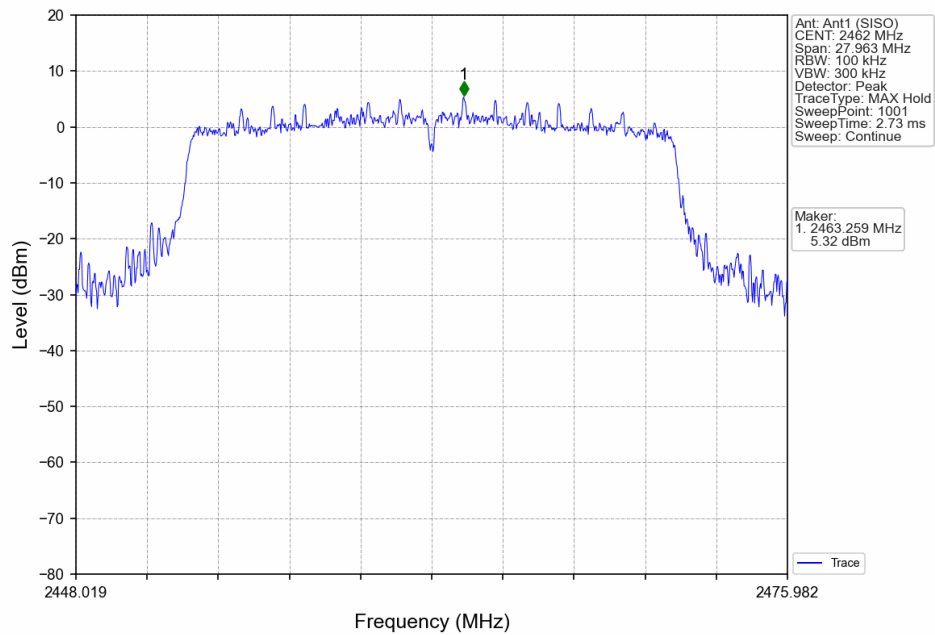
802.11ax(HEW20) MCH 2437MHz RU242 Left Ant1 (SISO) NTNv



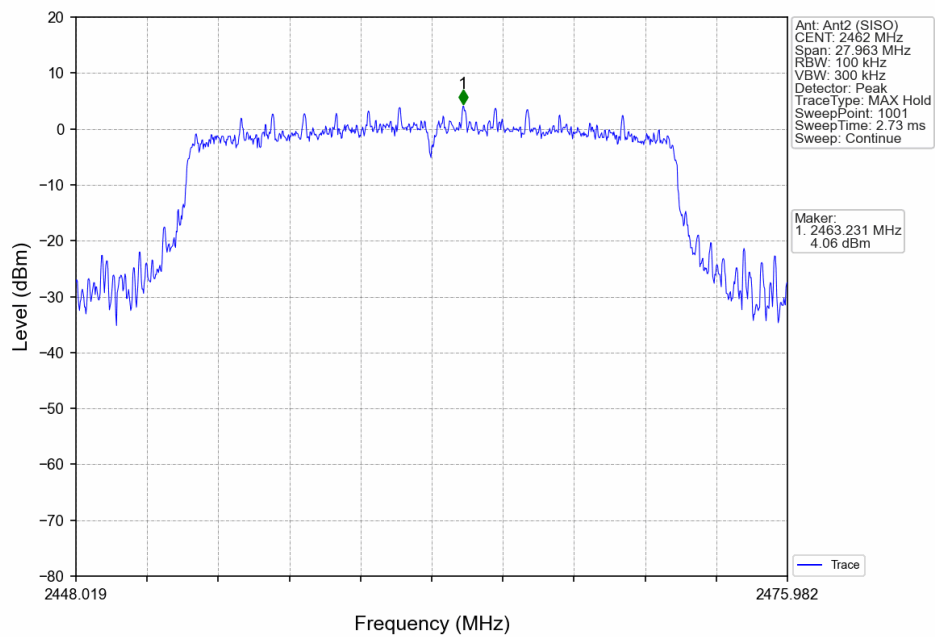
802.11ax(HEW20) MCH 2437MHz RU242 Left Ant2 (SISO) NTNv



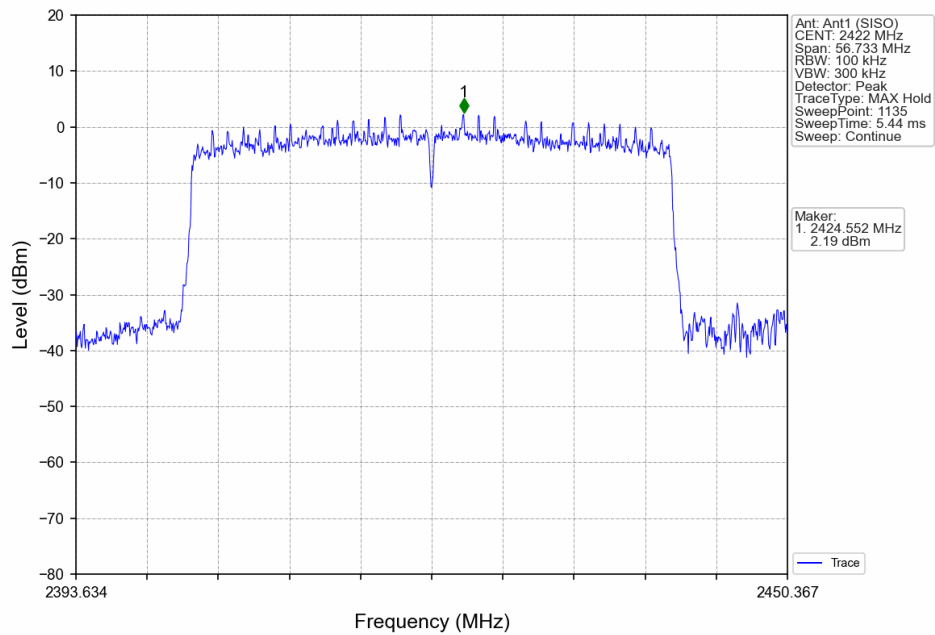
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant1 (SISO) NTNv



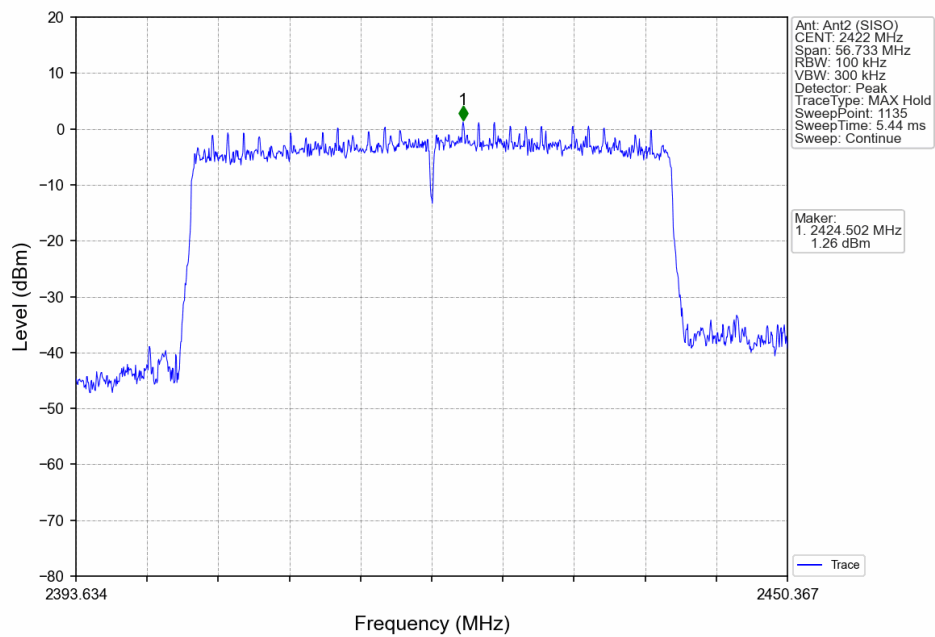
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant2 (SISO) NTNv



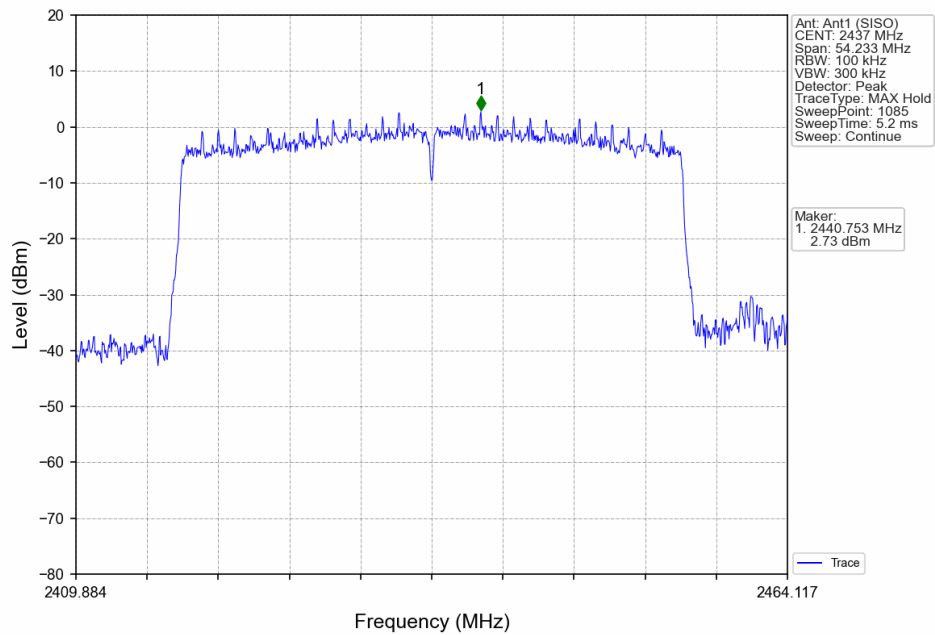
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (SISO) NTNv



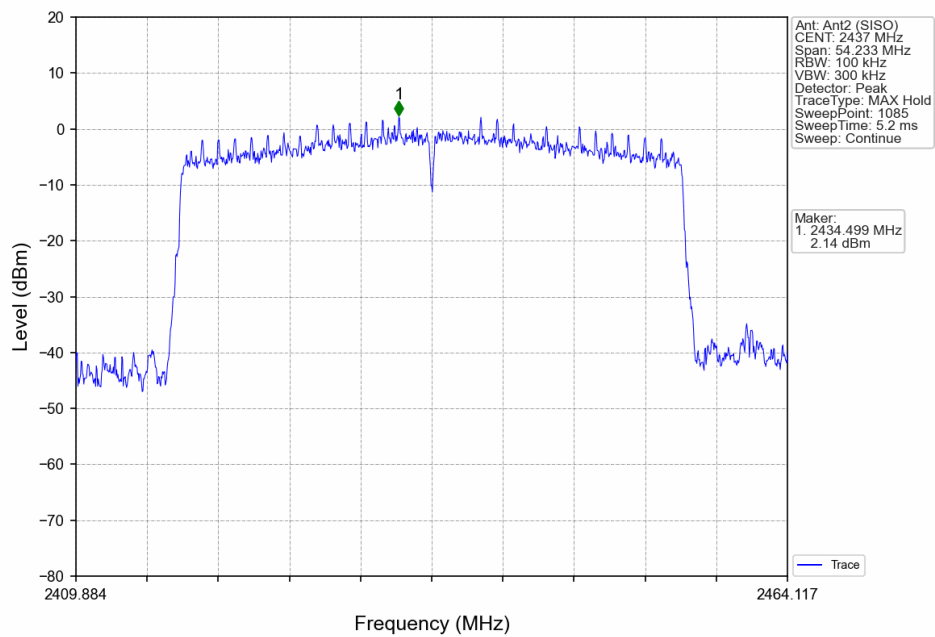
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant2 (SISO) NTNv



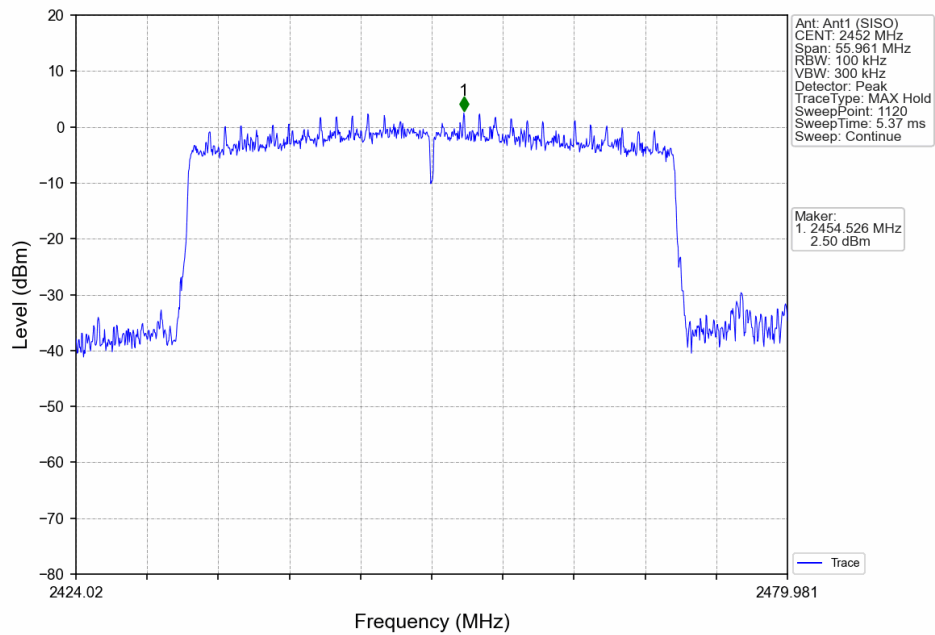
802.11ax(HEW40) MCH 2437MHz RU484 Left Ant1 (SISO) NTNv



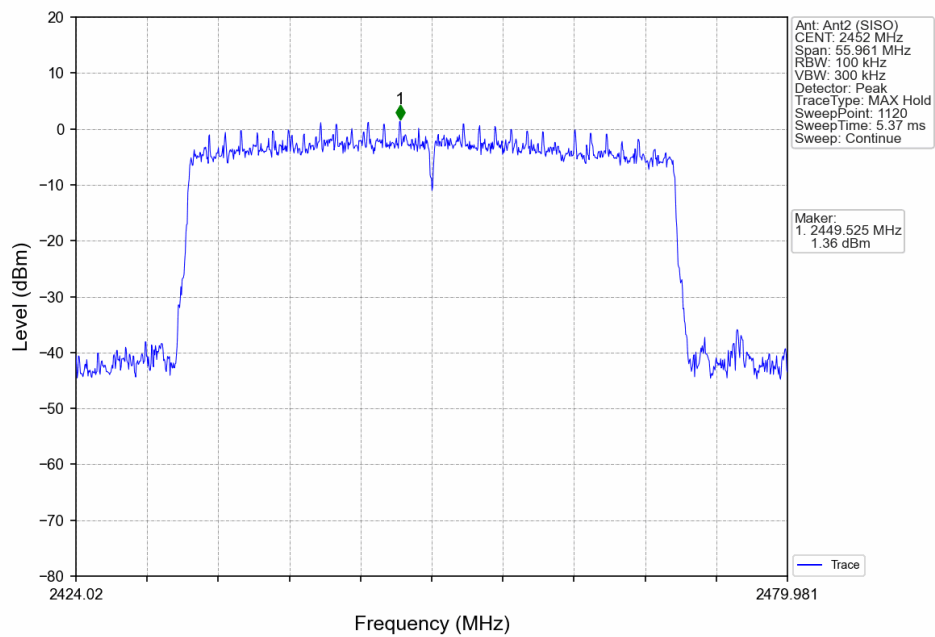
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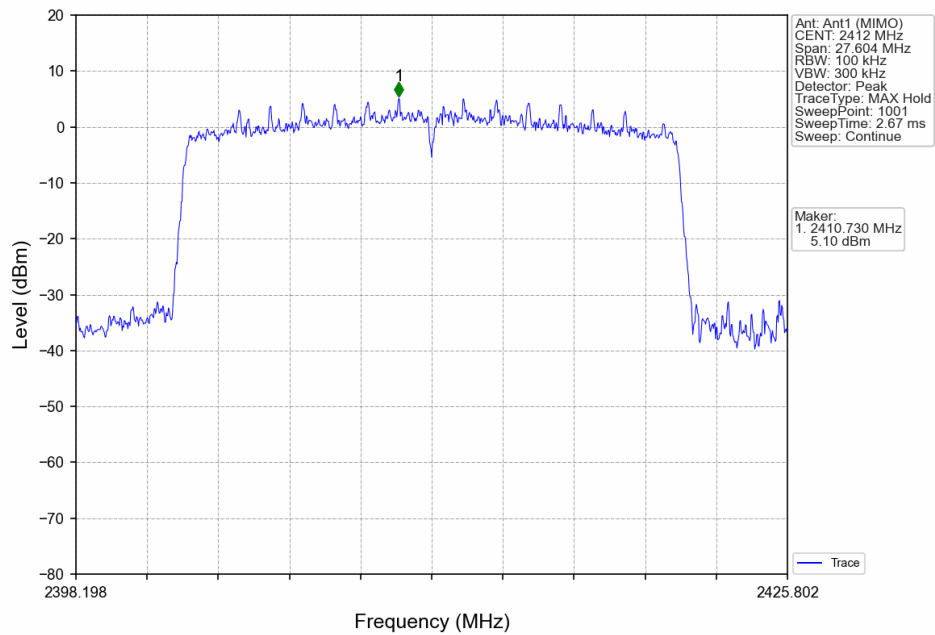
802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (SISO) NTNv



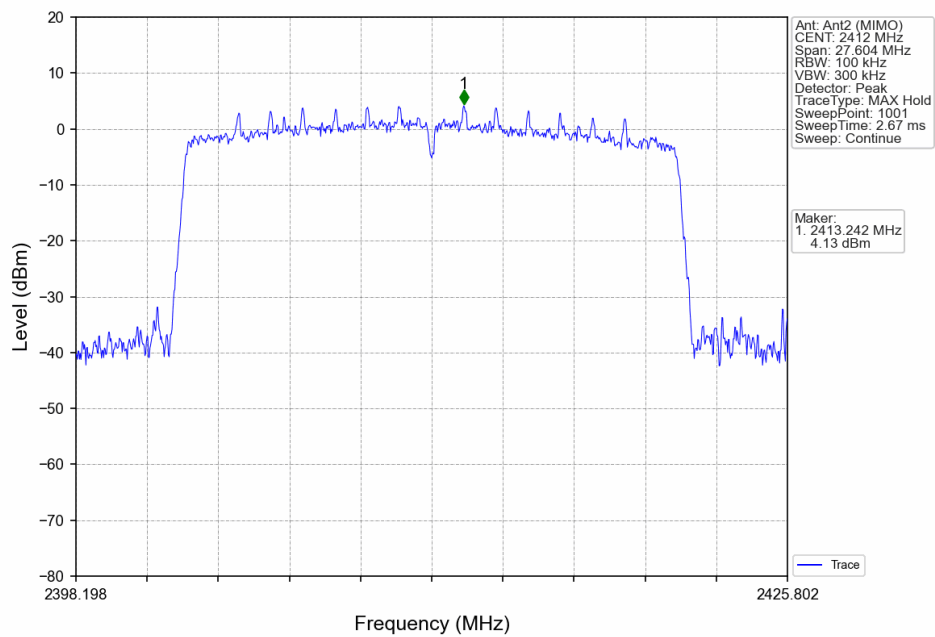
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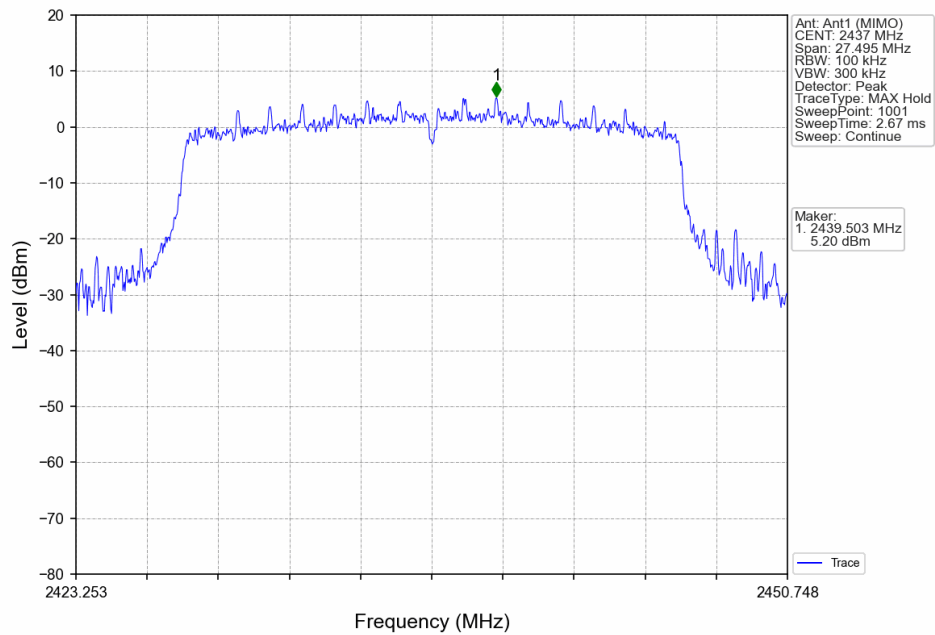
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTNv



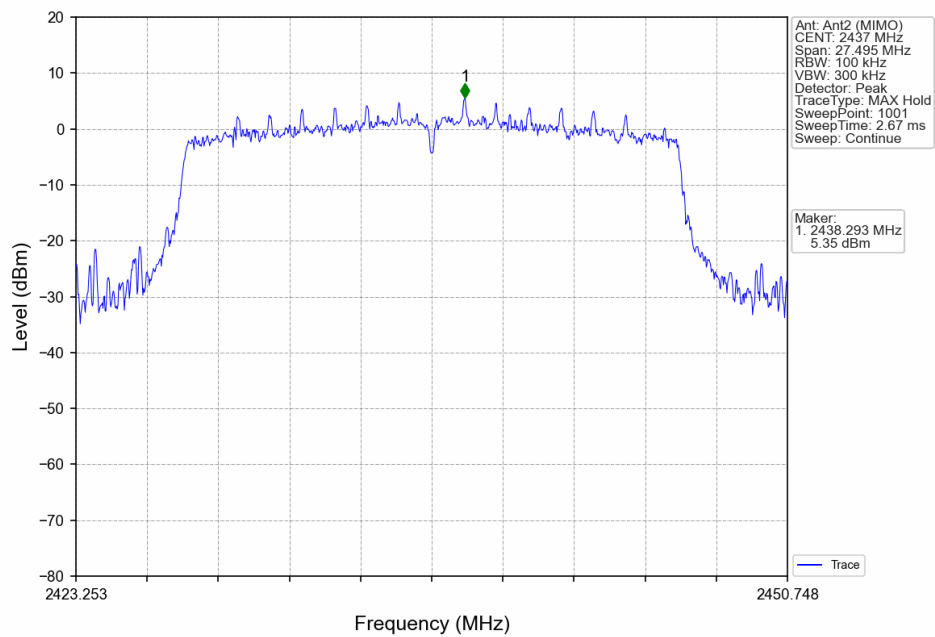
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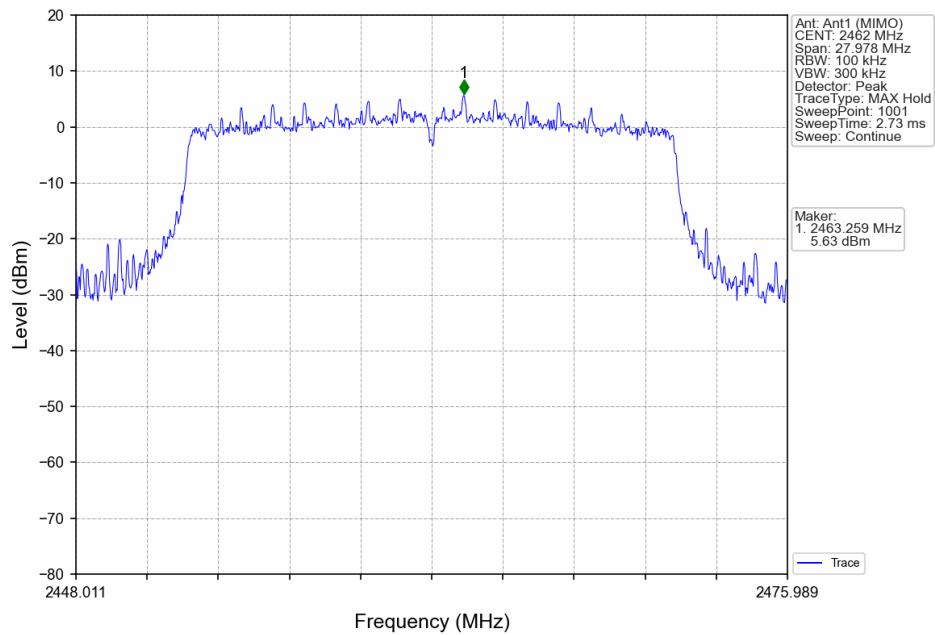
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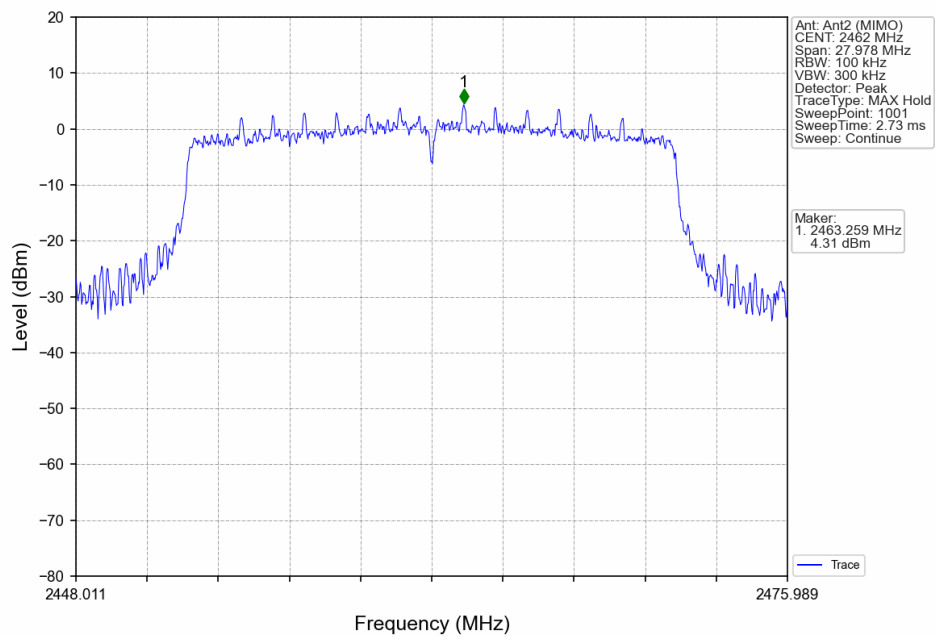
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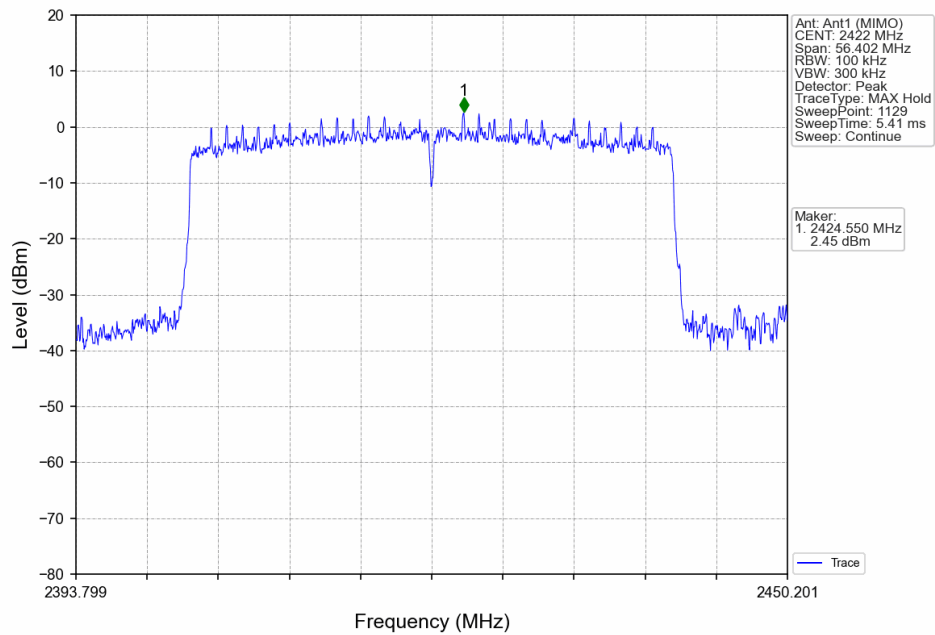
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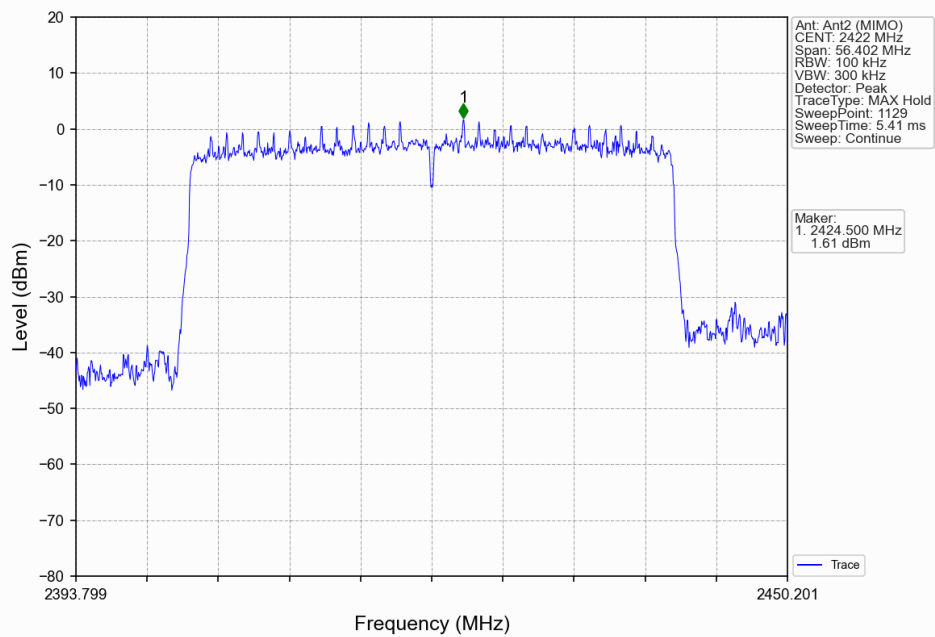
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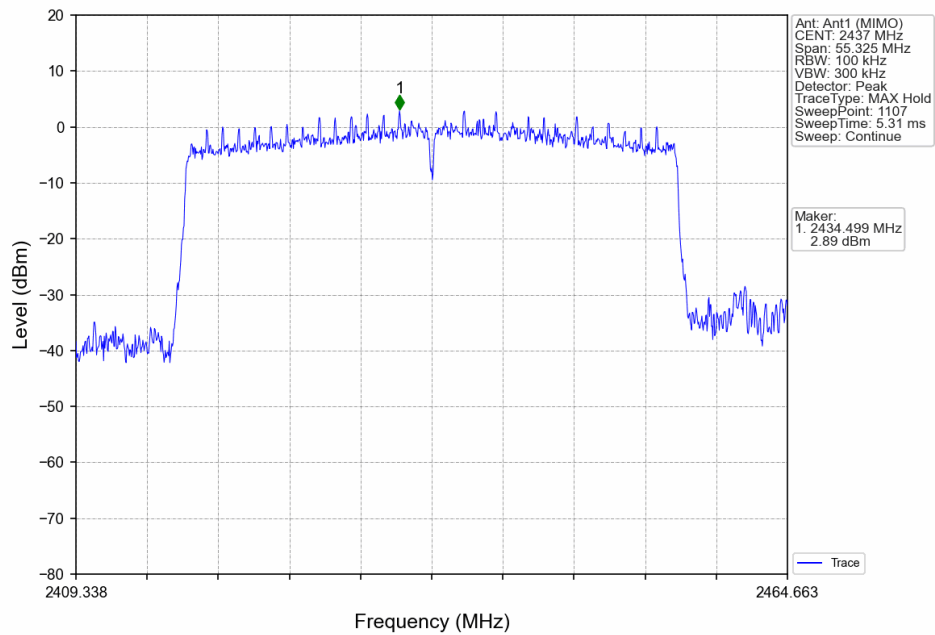
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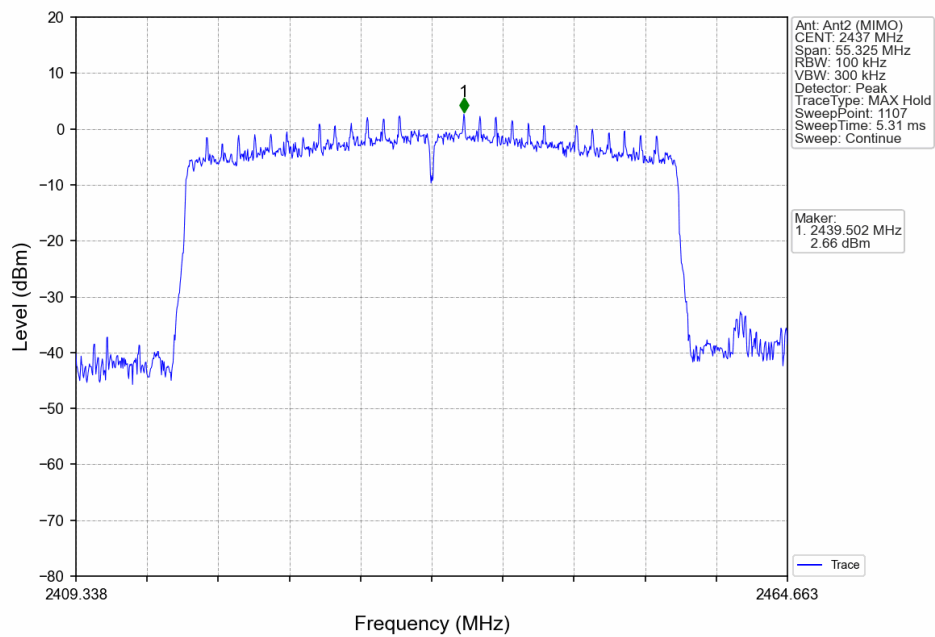
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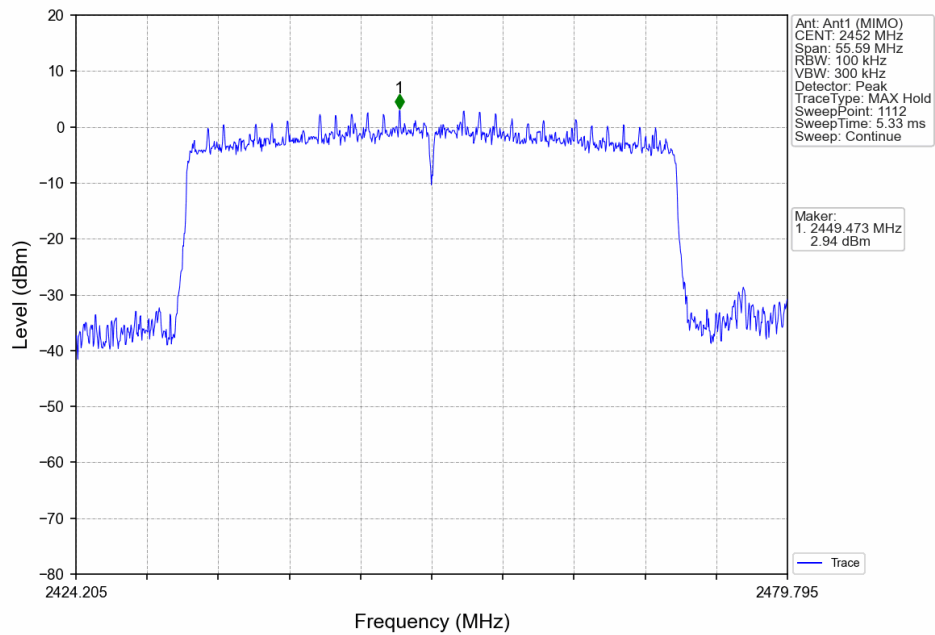
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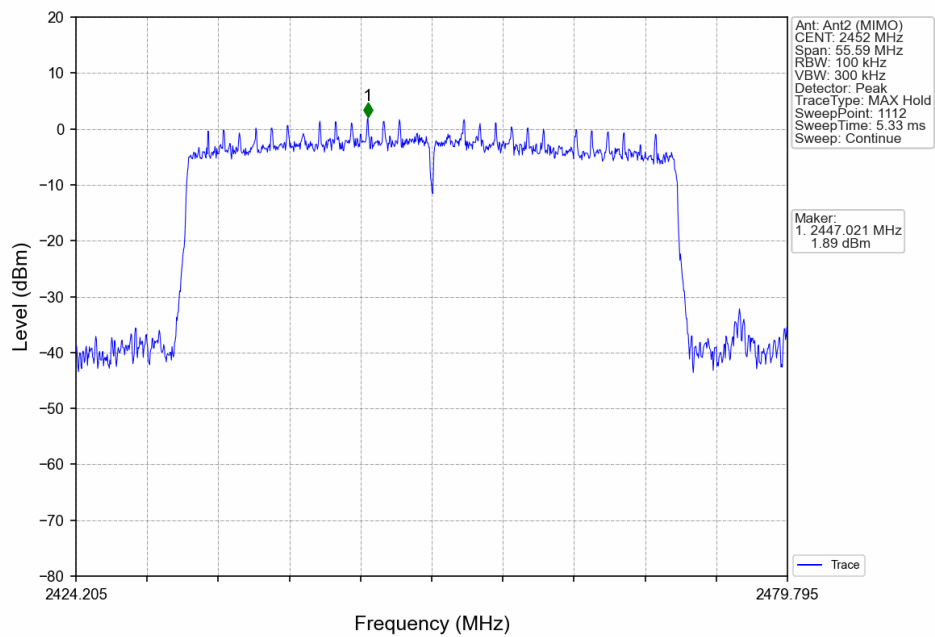
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802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (MIMO) NTN

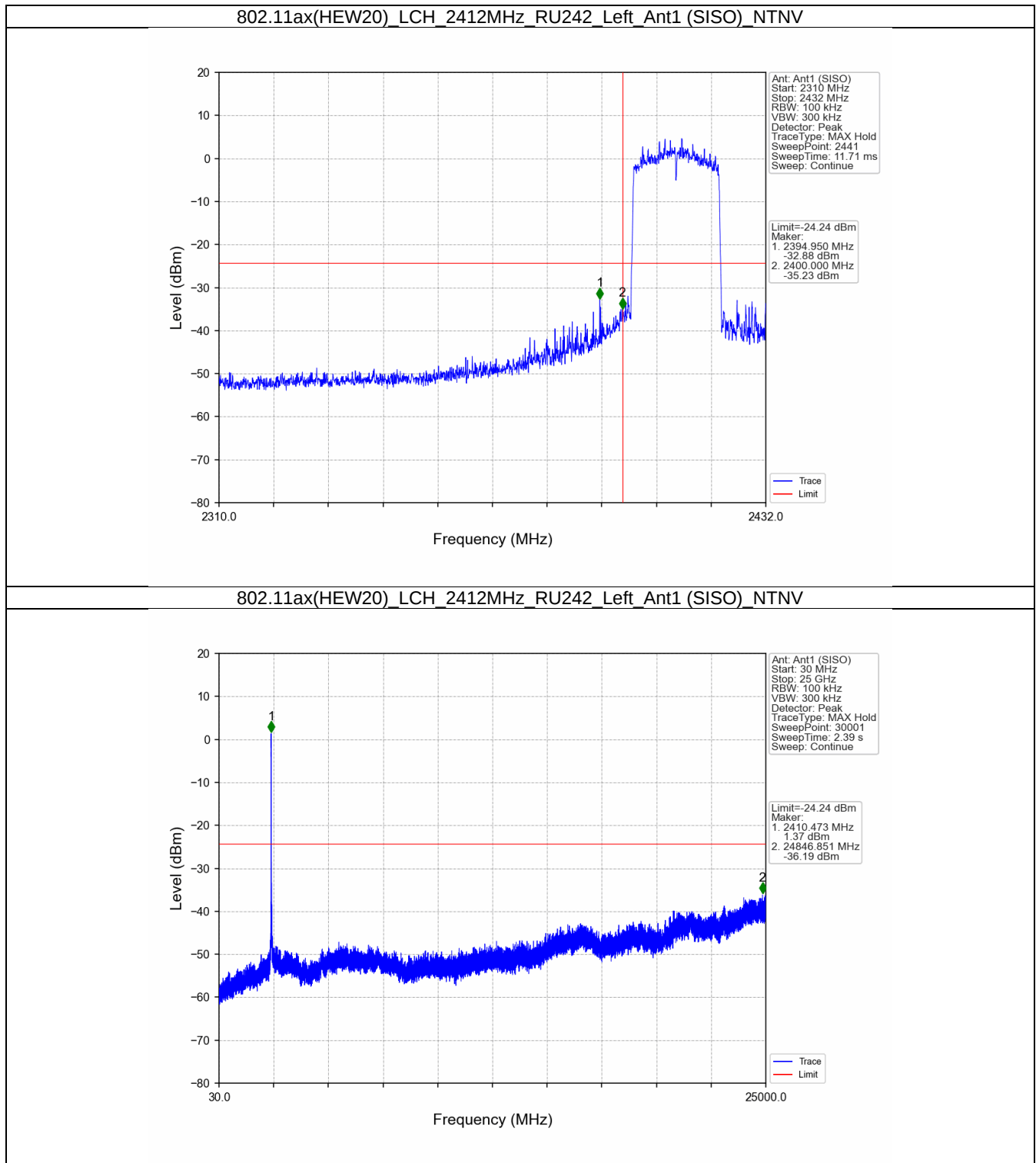


802.11ax(HEW40) HCH 2452MHz RU484 Left Ant2 (MIMO) NTN

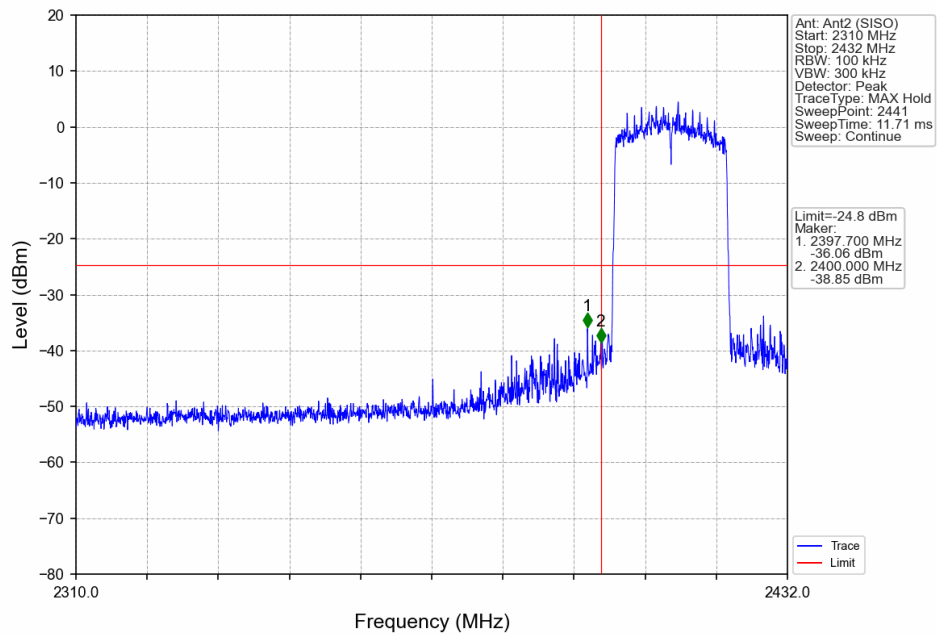


Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

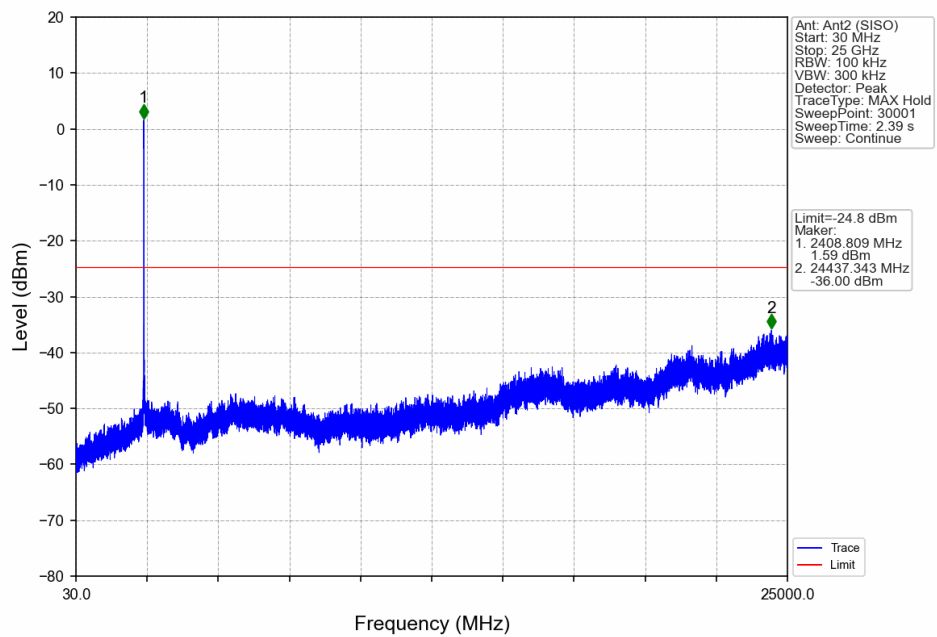
4.2.2 Test Graph



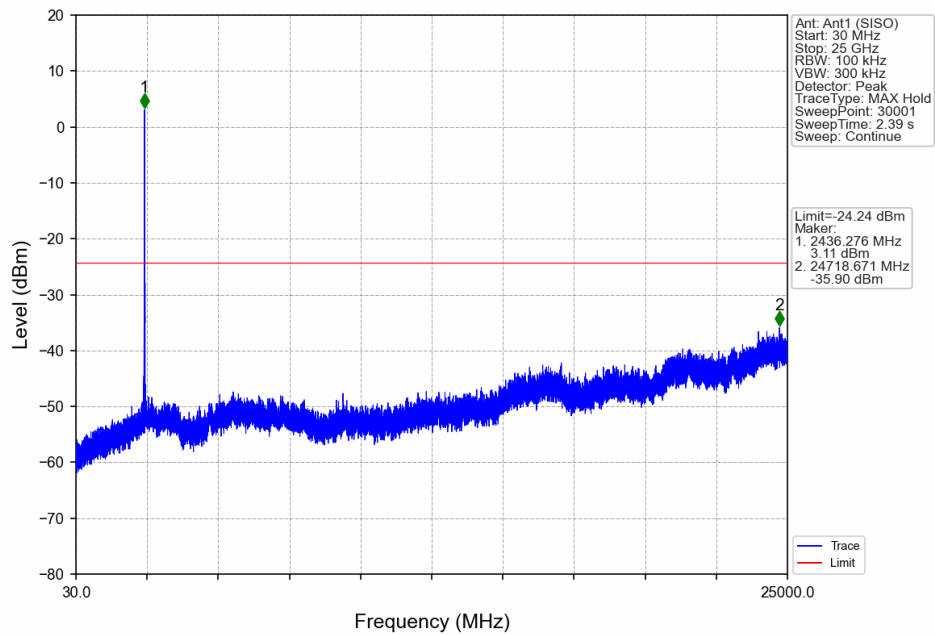
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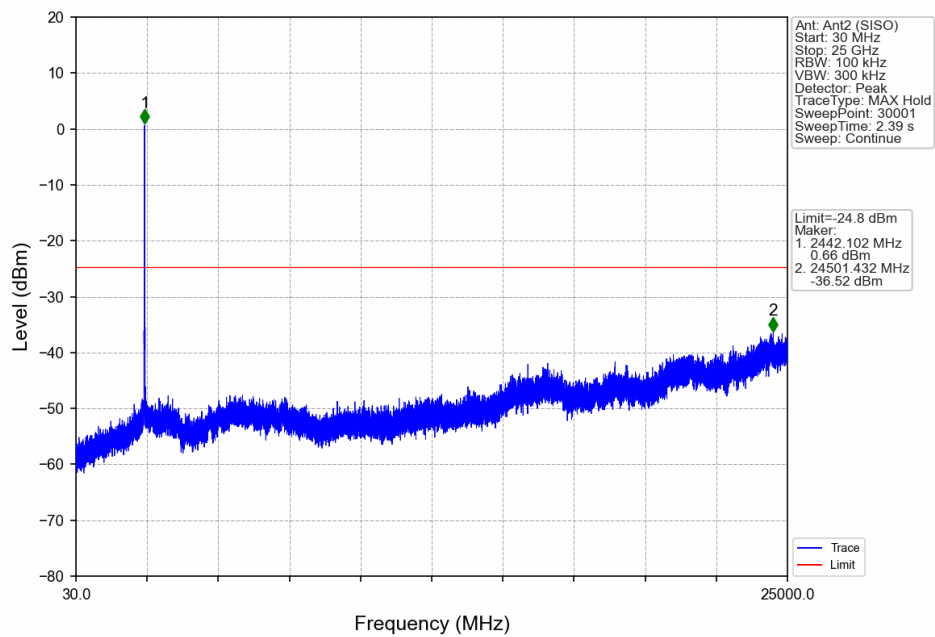
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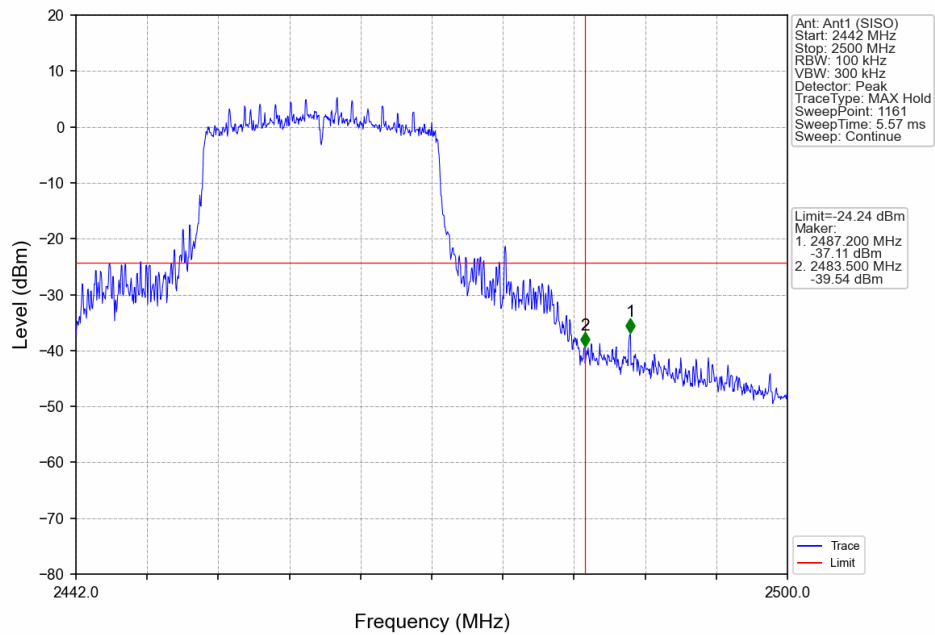
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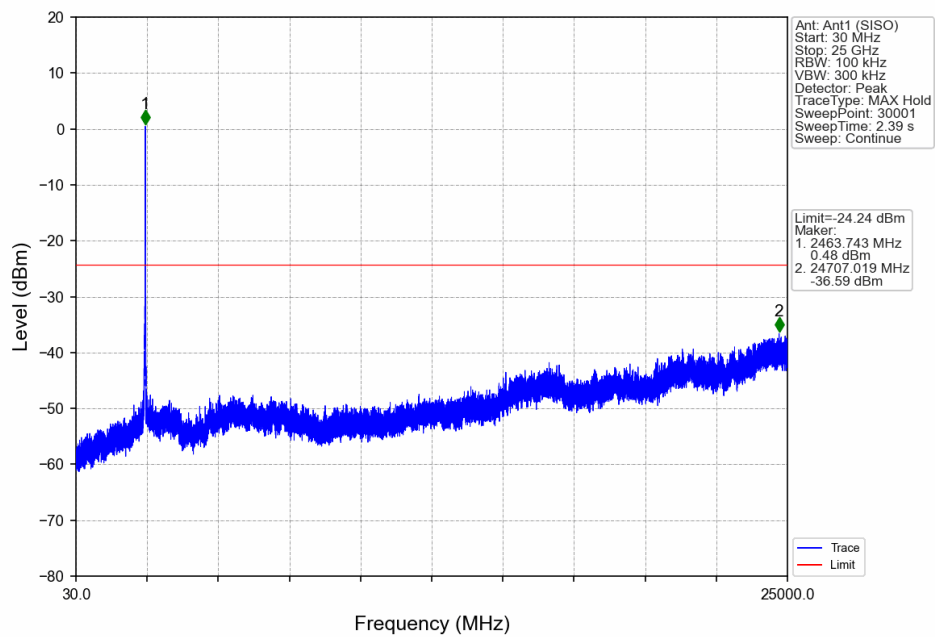
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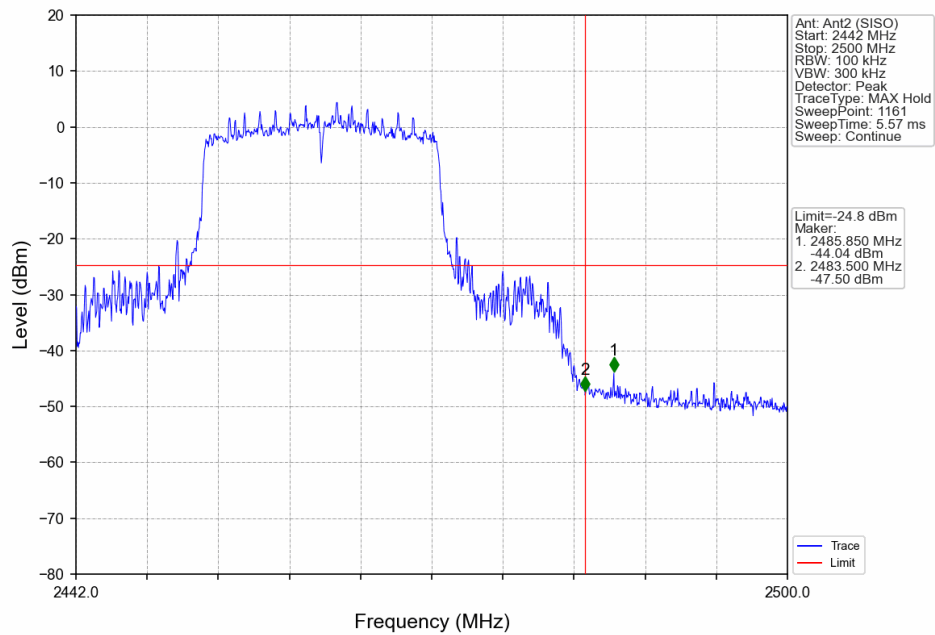
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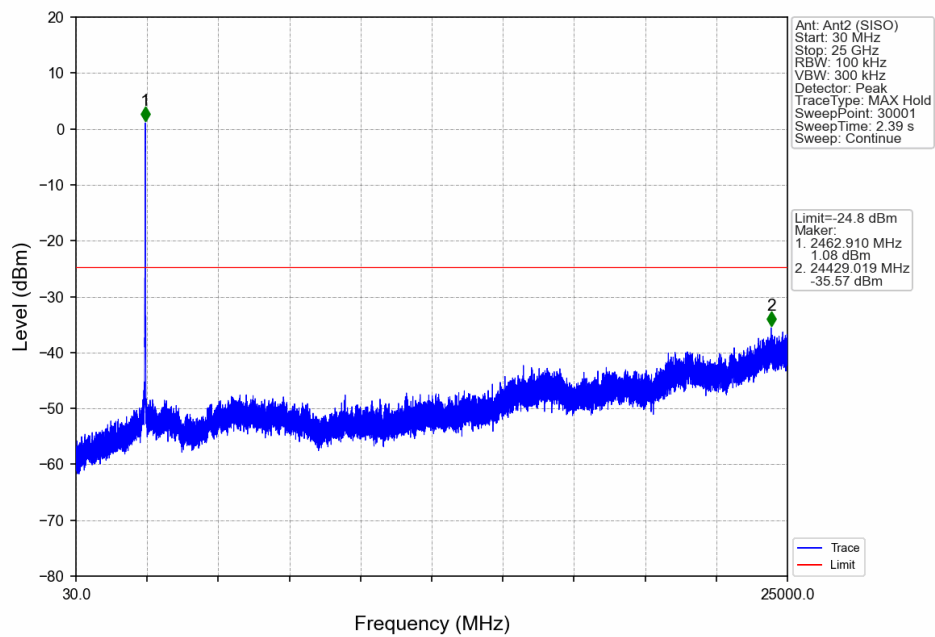
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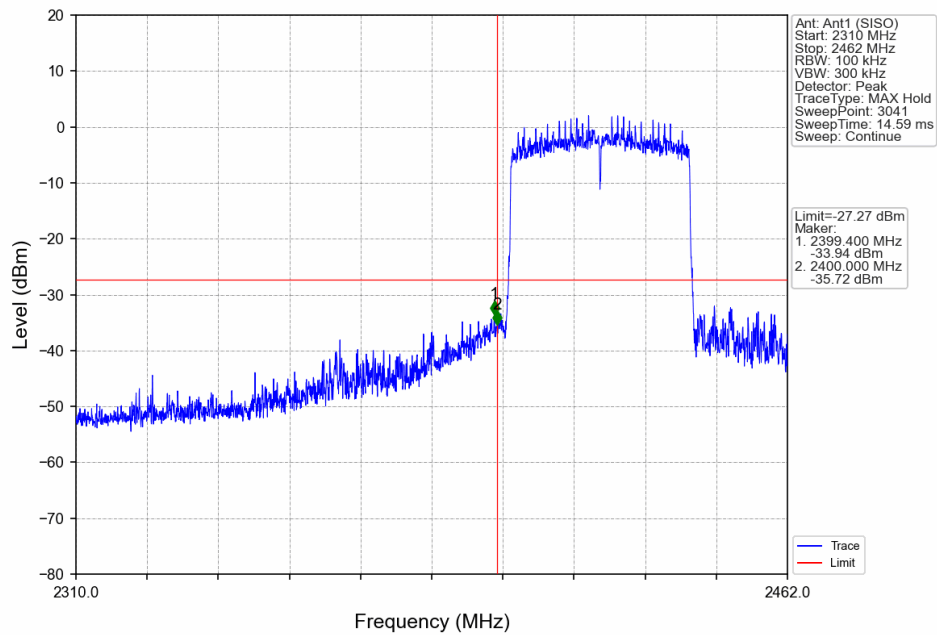
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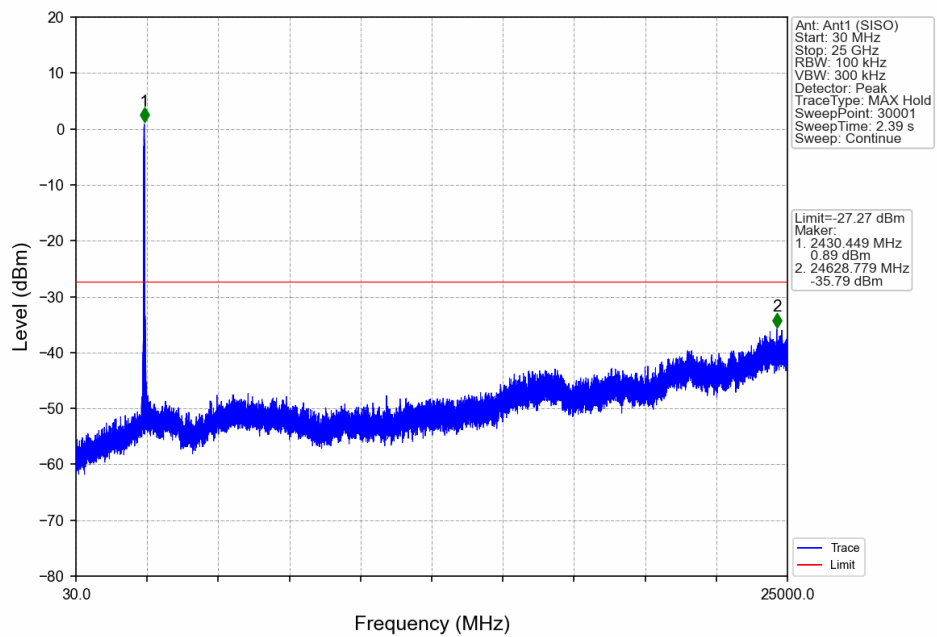
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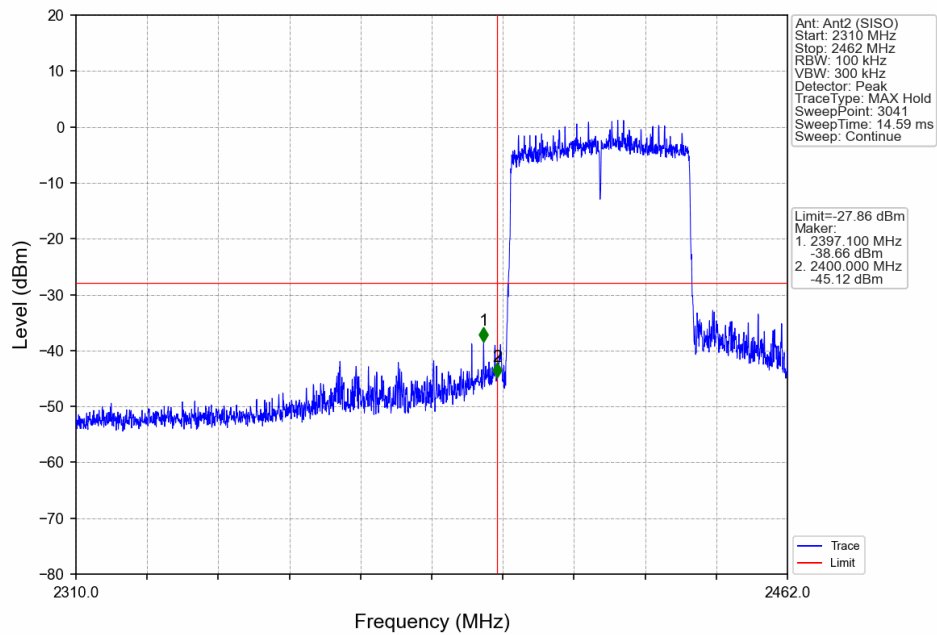
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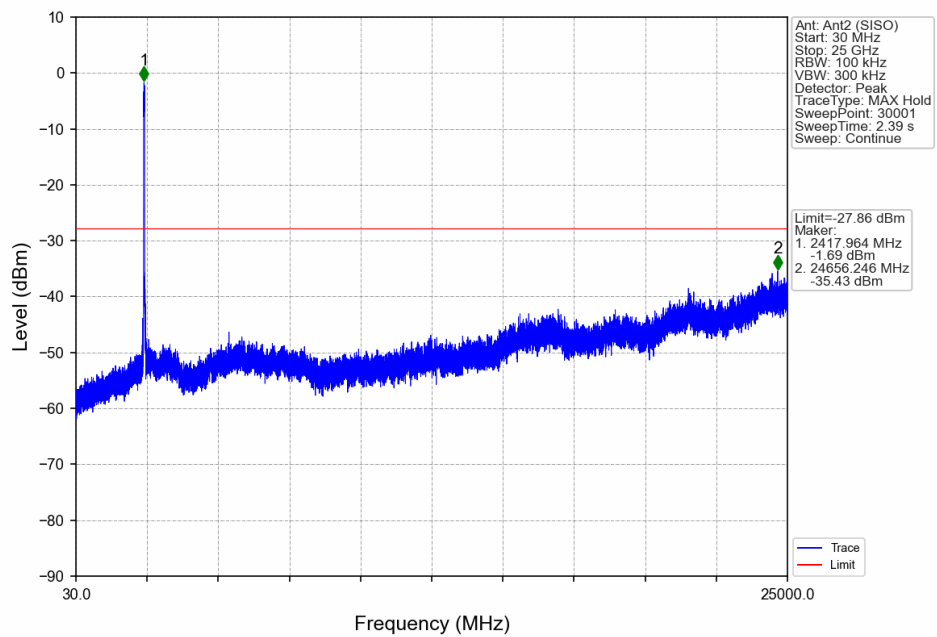
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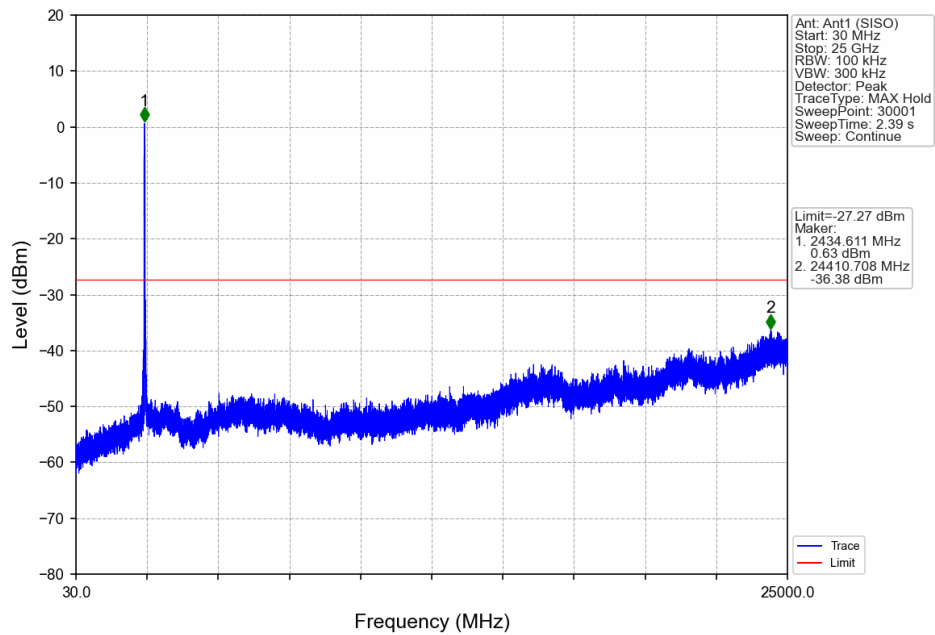
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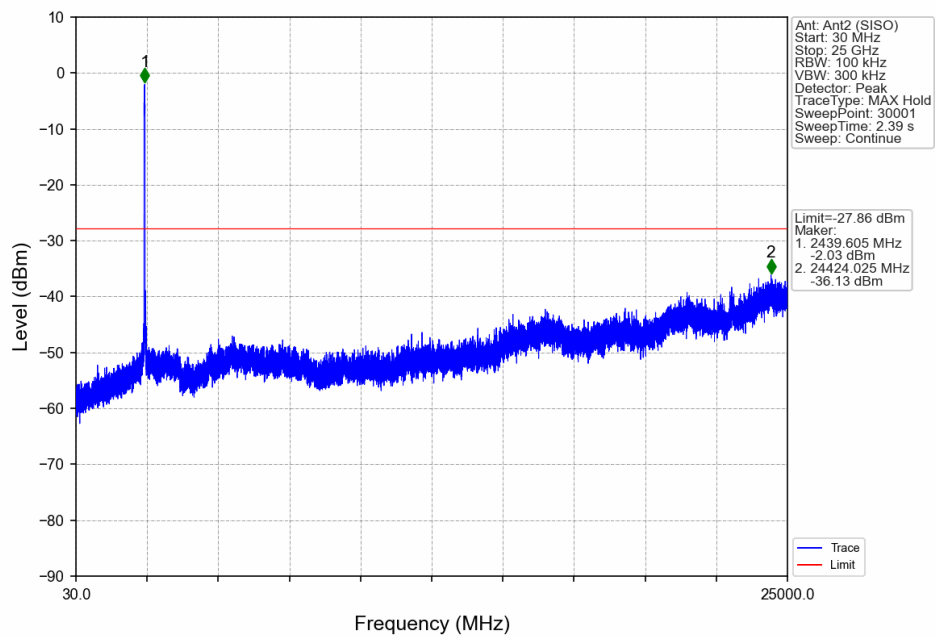
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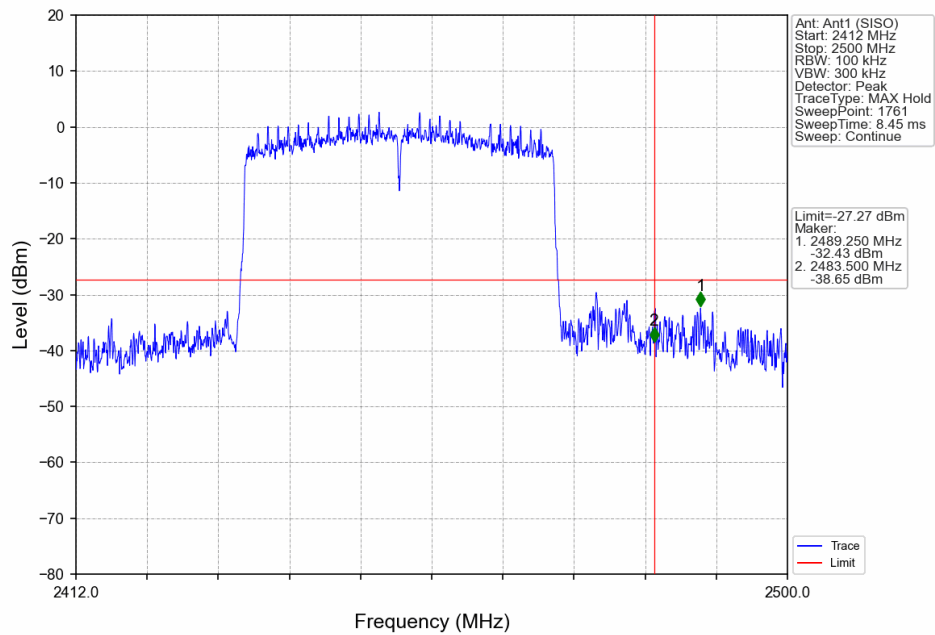
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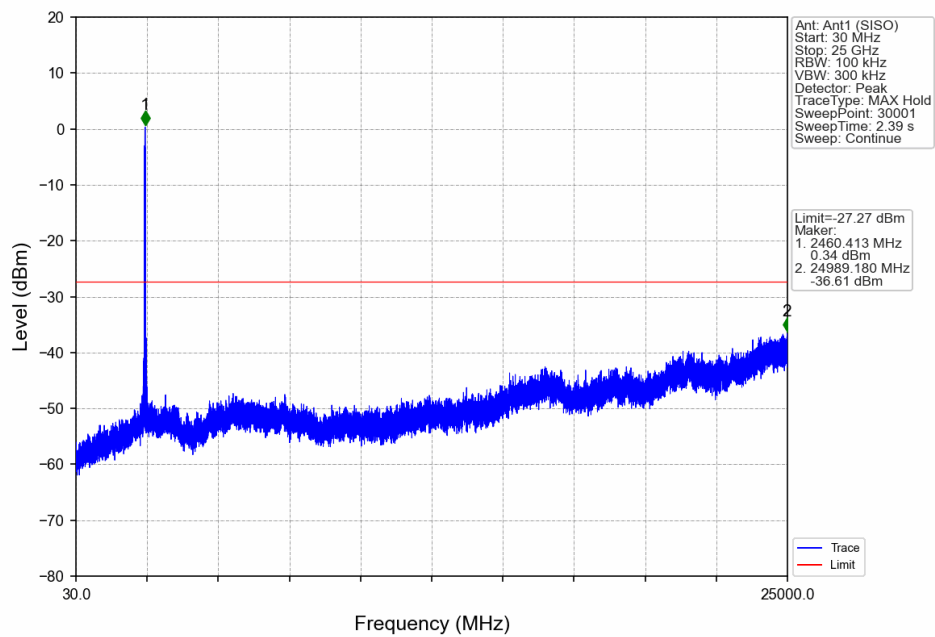
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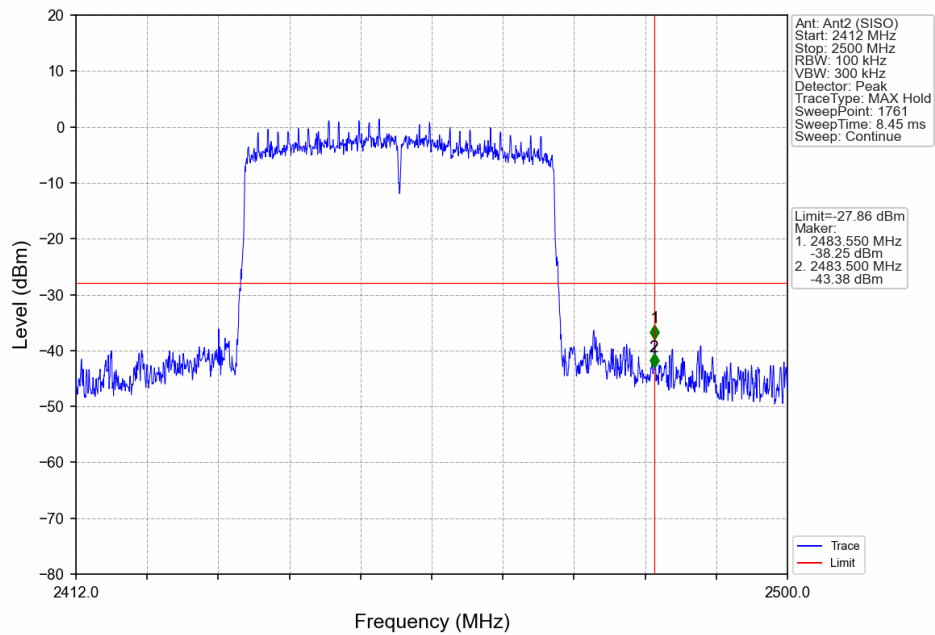
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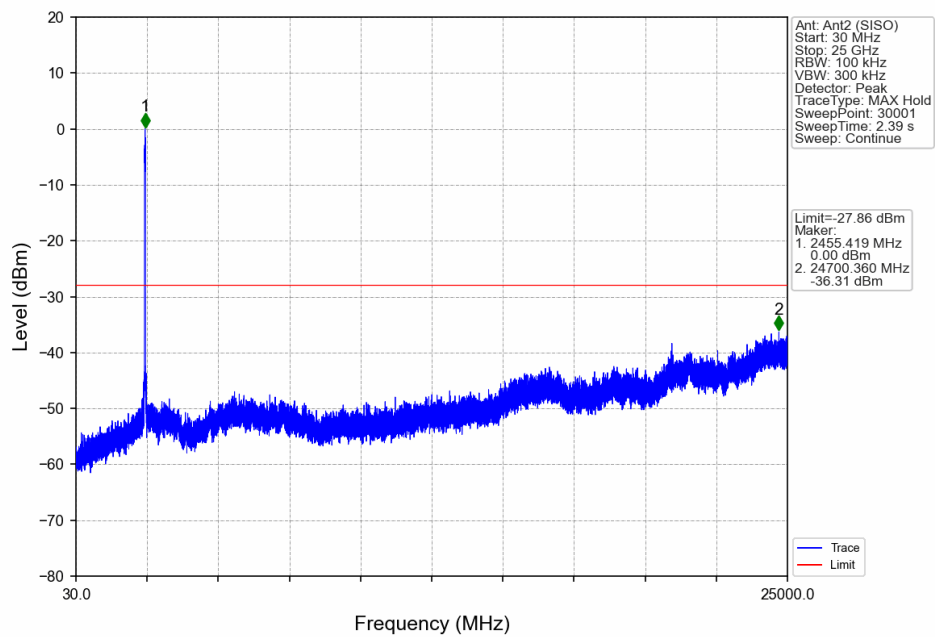
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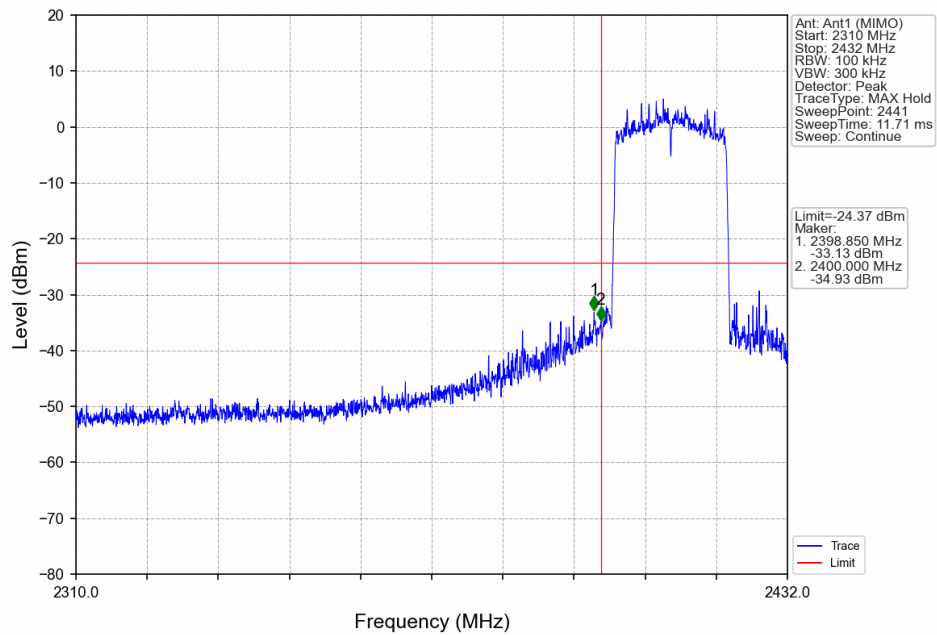
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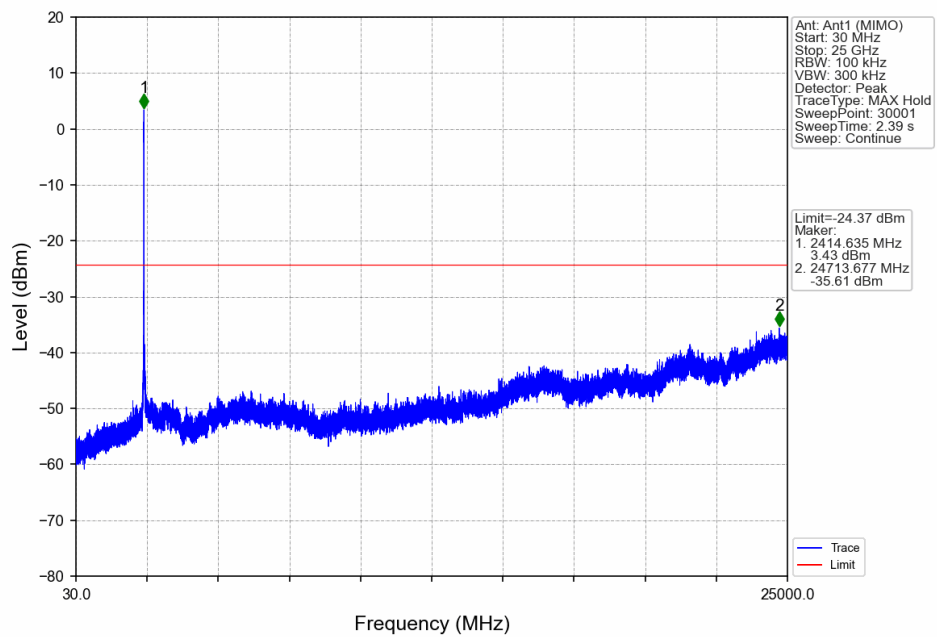
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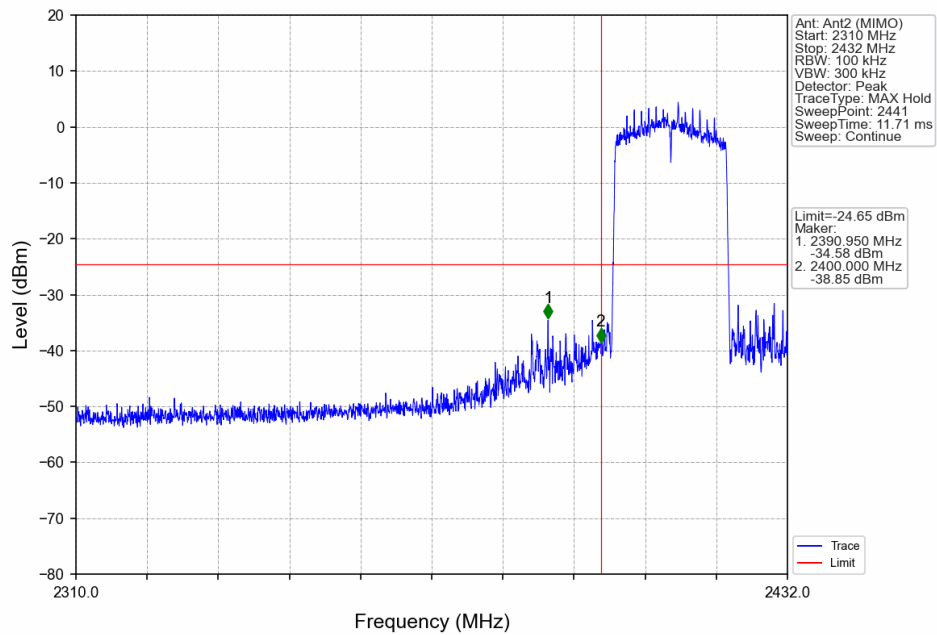
802.11ax(HEW20) LCH 2412MHz RU242 Left Ant1 (MIMO) NTNv



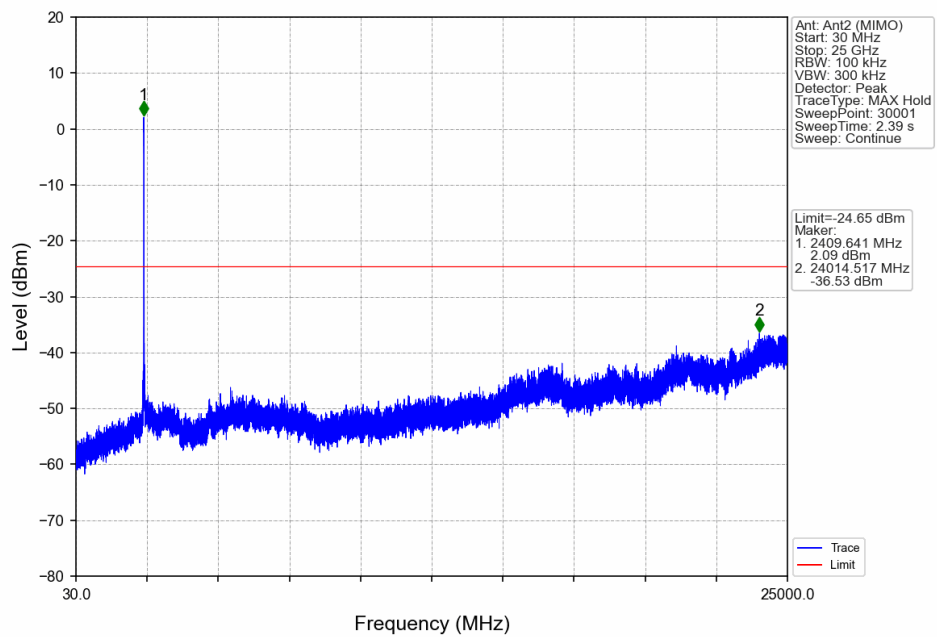
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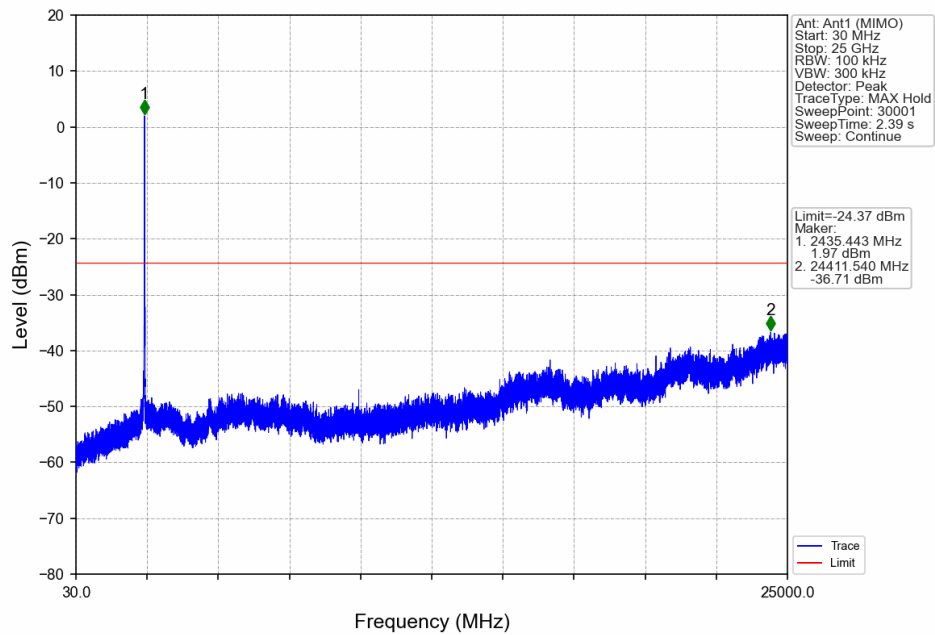
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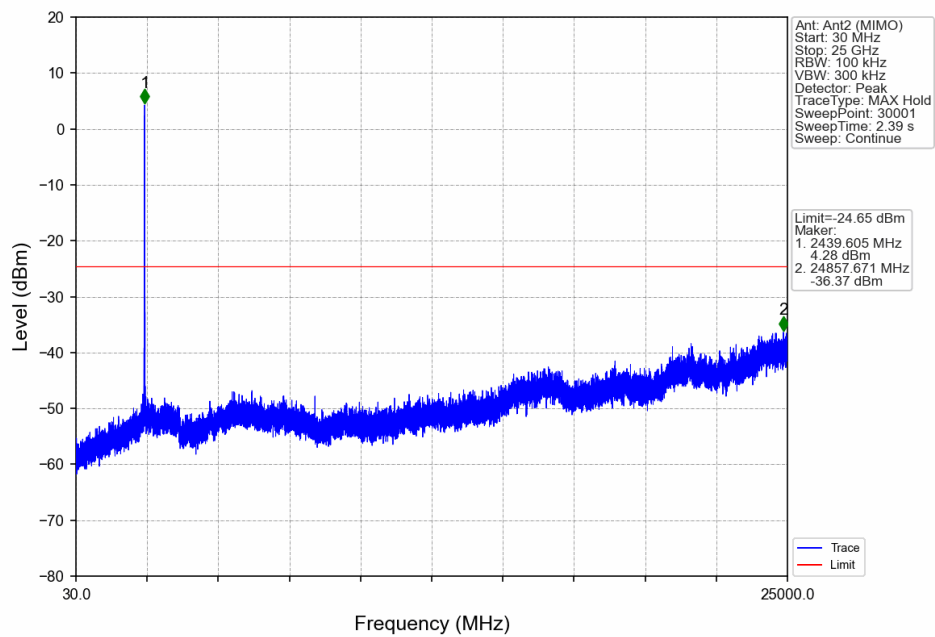
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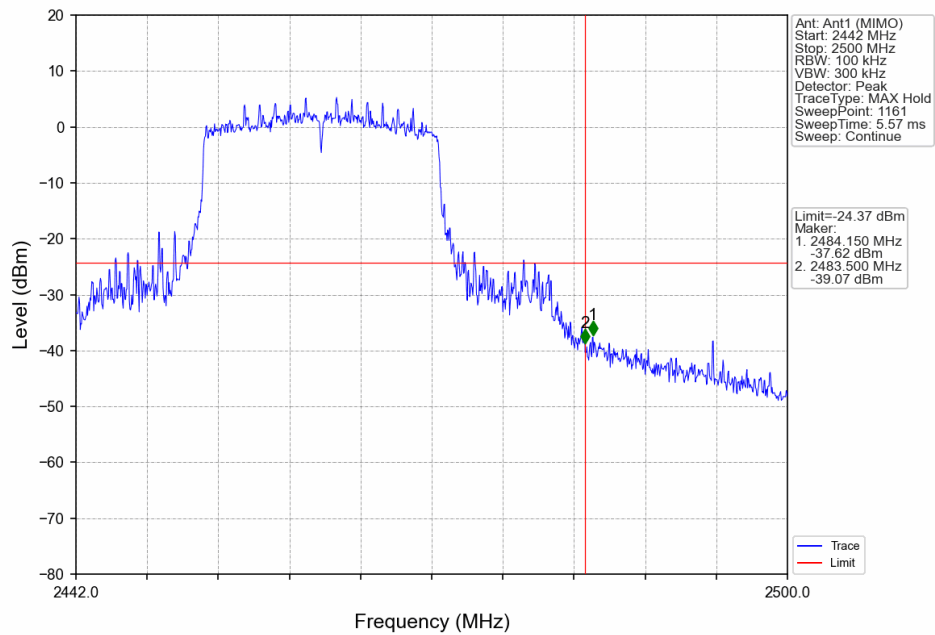
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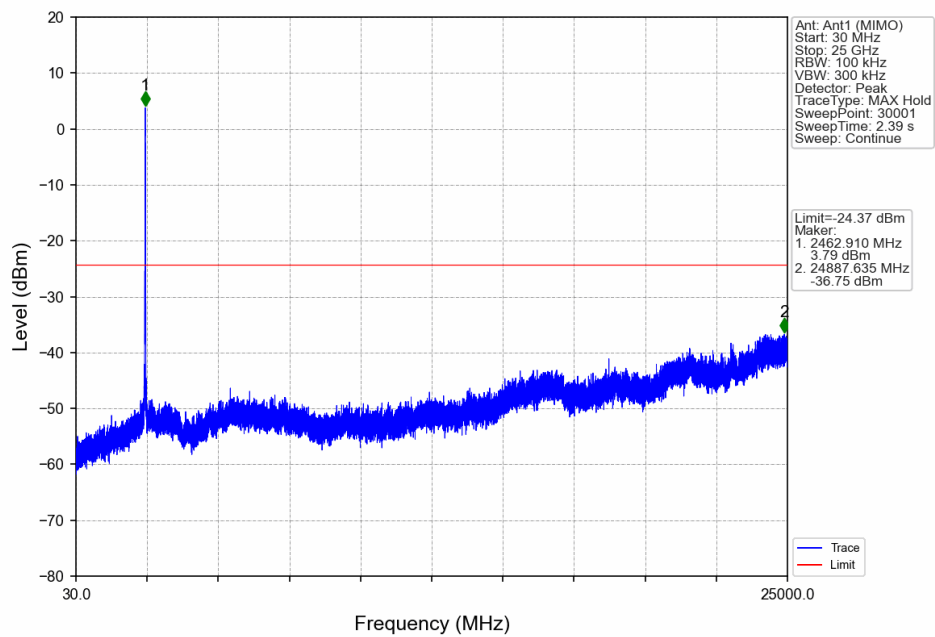
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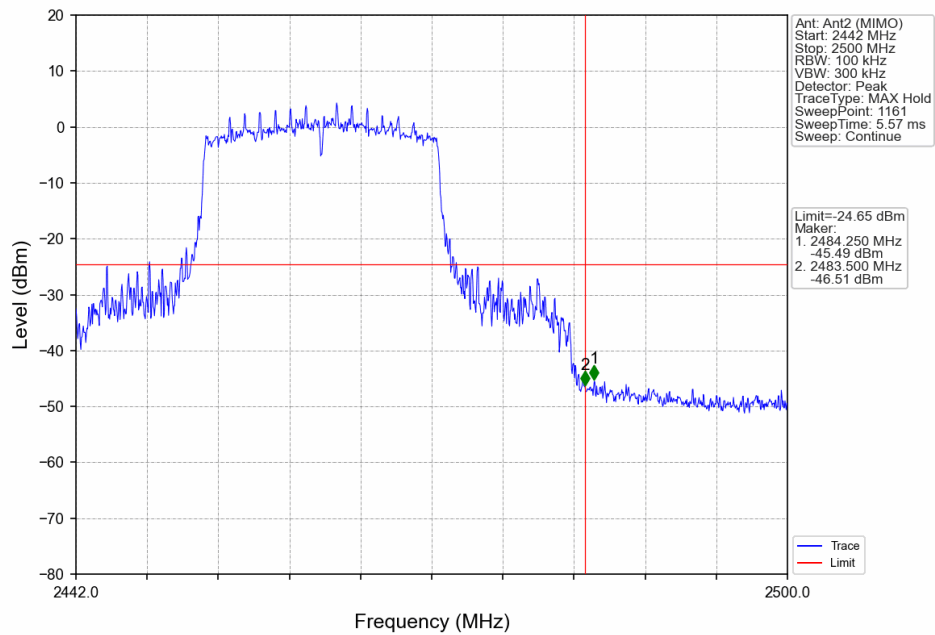
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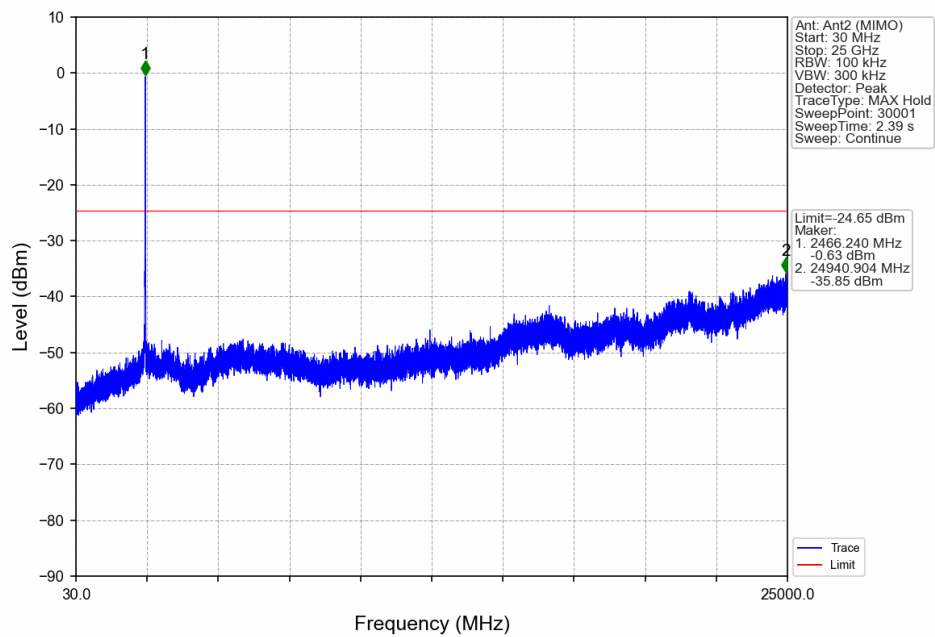
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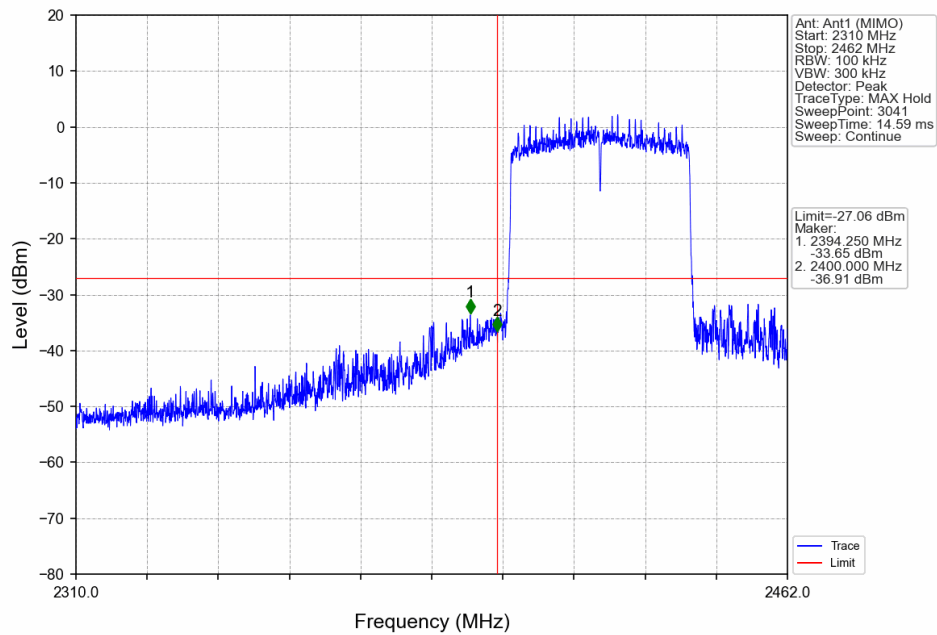
802.11ax(HEW20) HCH 2462MHz RU242 Left Ant2 (MIMO) NTV



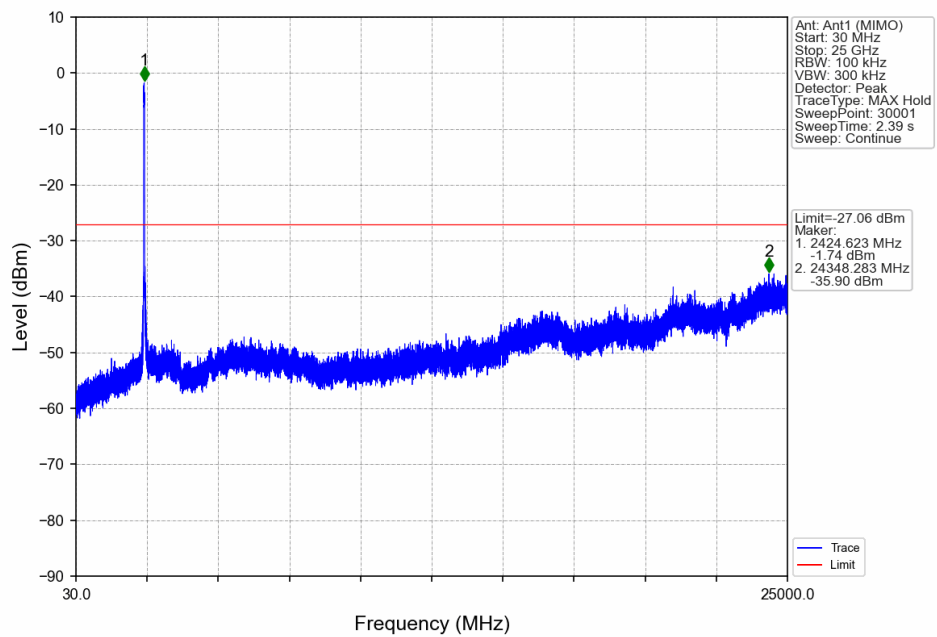
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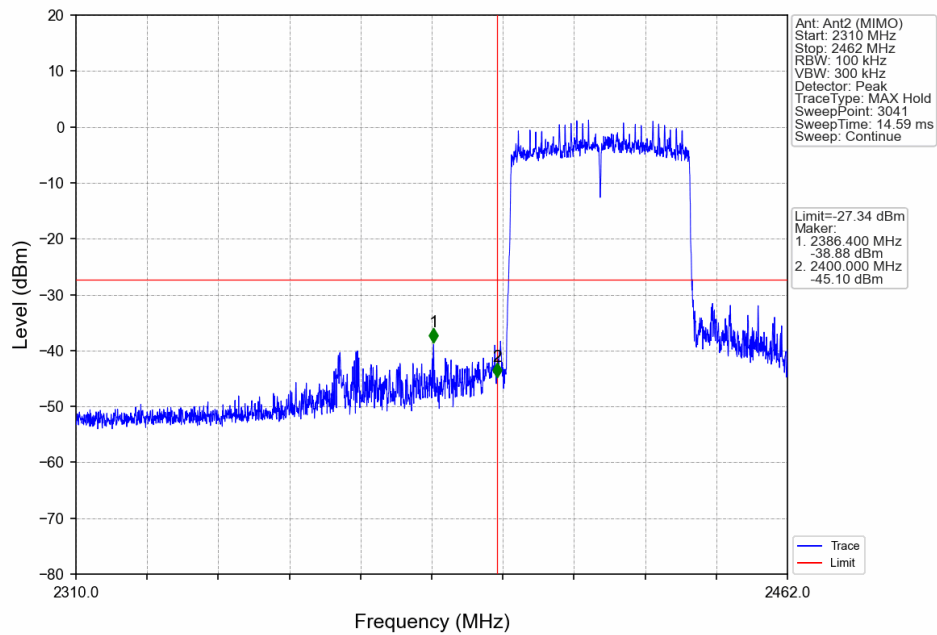
802.11ax(HEW40) LCH 2422MHz RU484 Left Ant1 (MIMO) NTNV



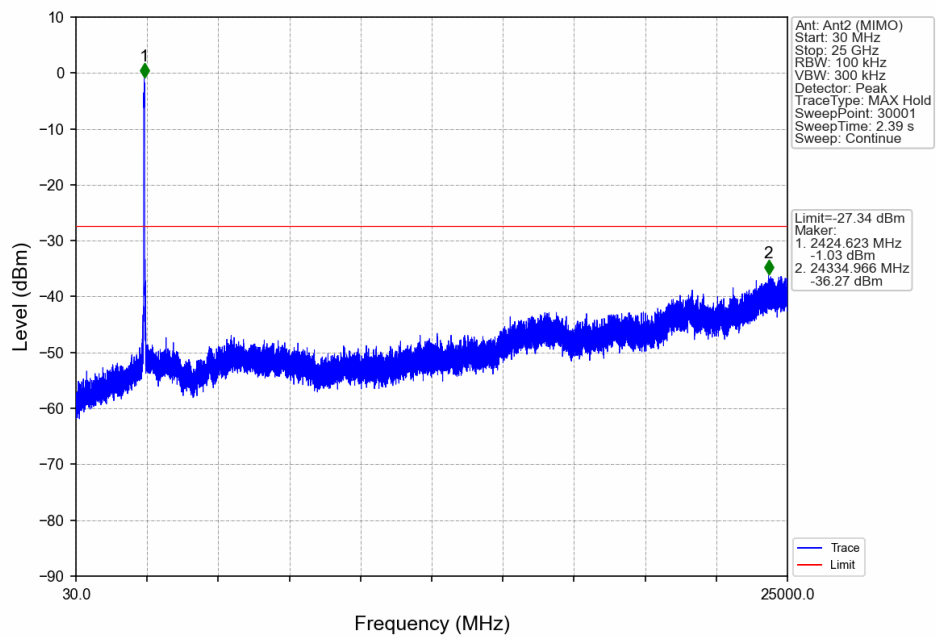
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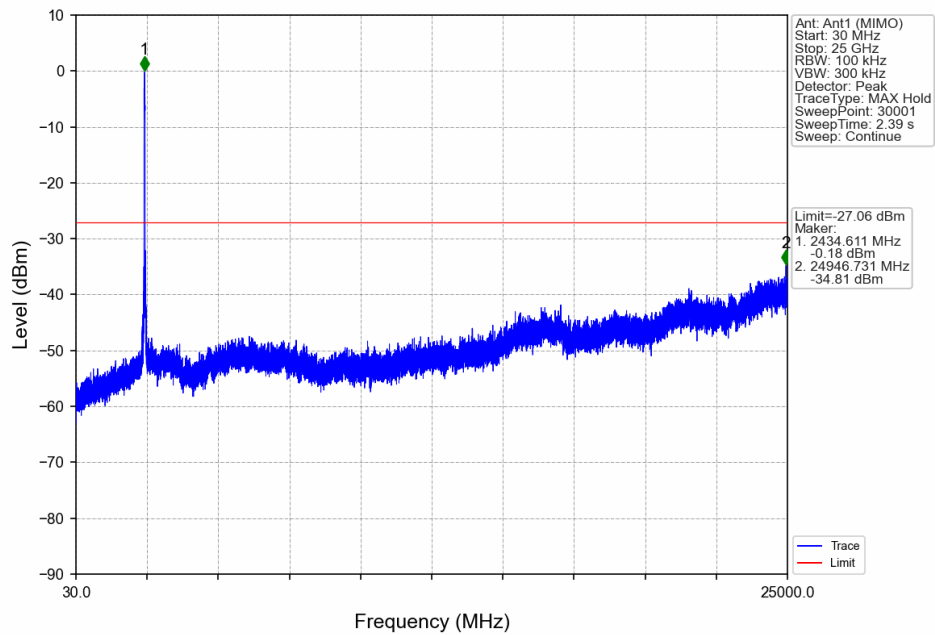
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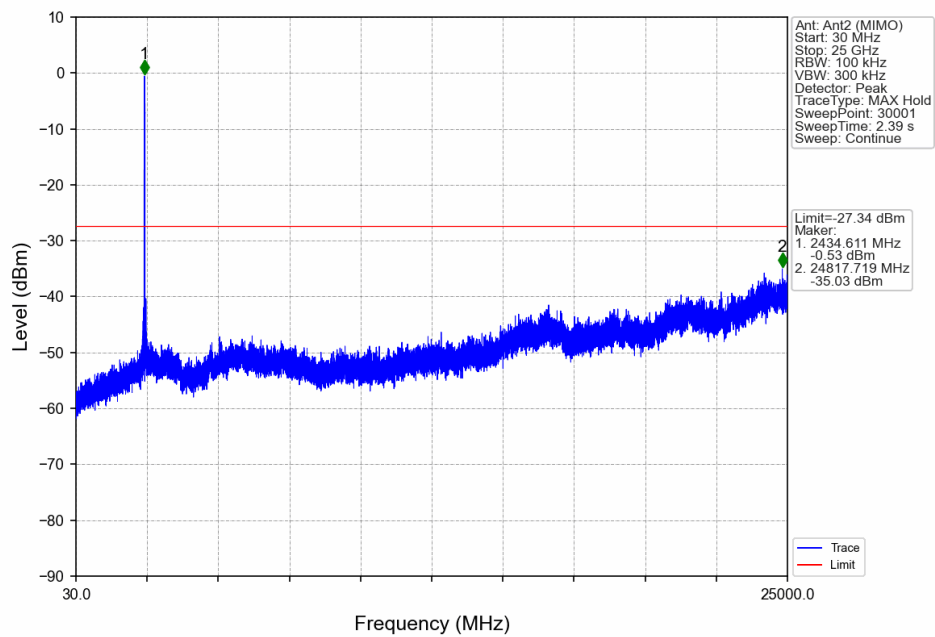
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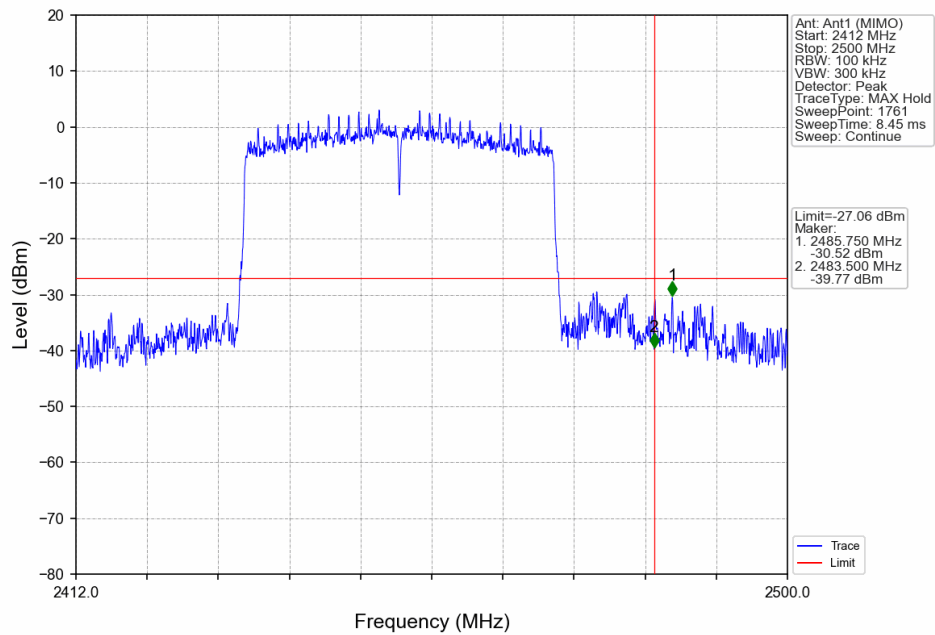
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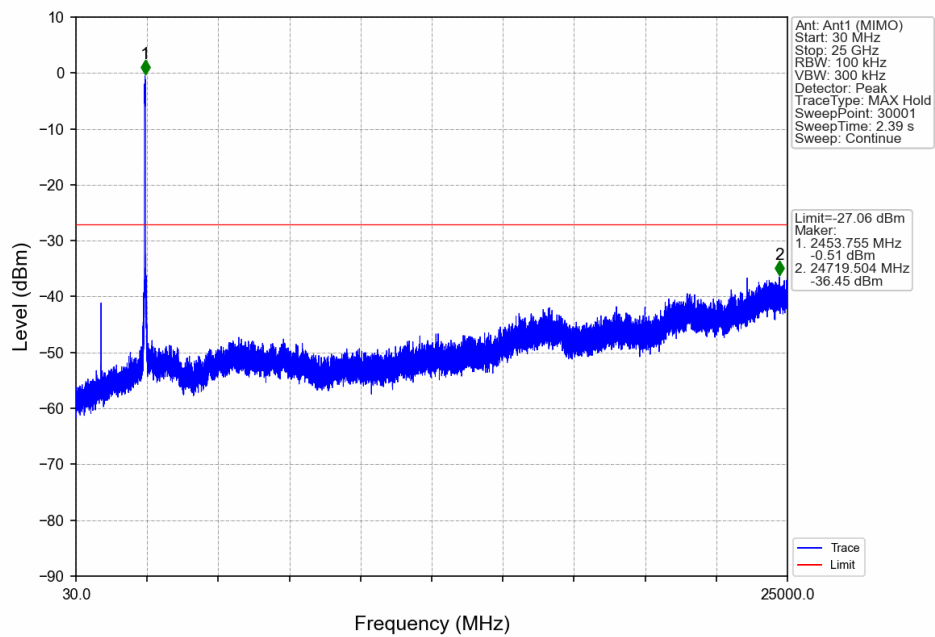
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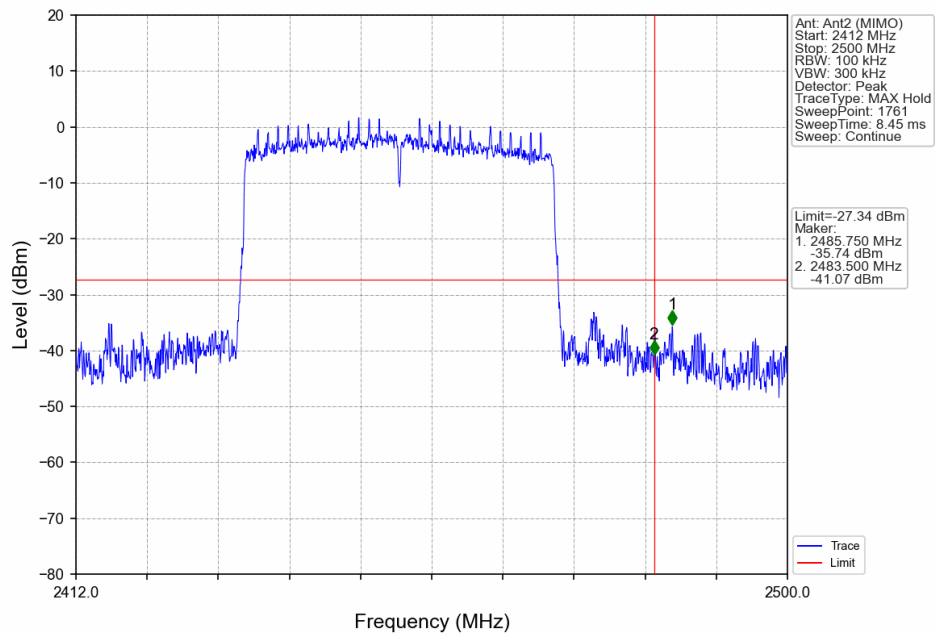
802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (MIMO) NTNV



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant1 (MIMO) NTNV



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant2 (MIMO) NTVN



802.11ax(HEW40) HCH 2452MHz RU484 Left Ant2 (MIMO) NTVN

