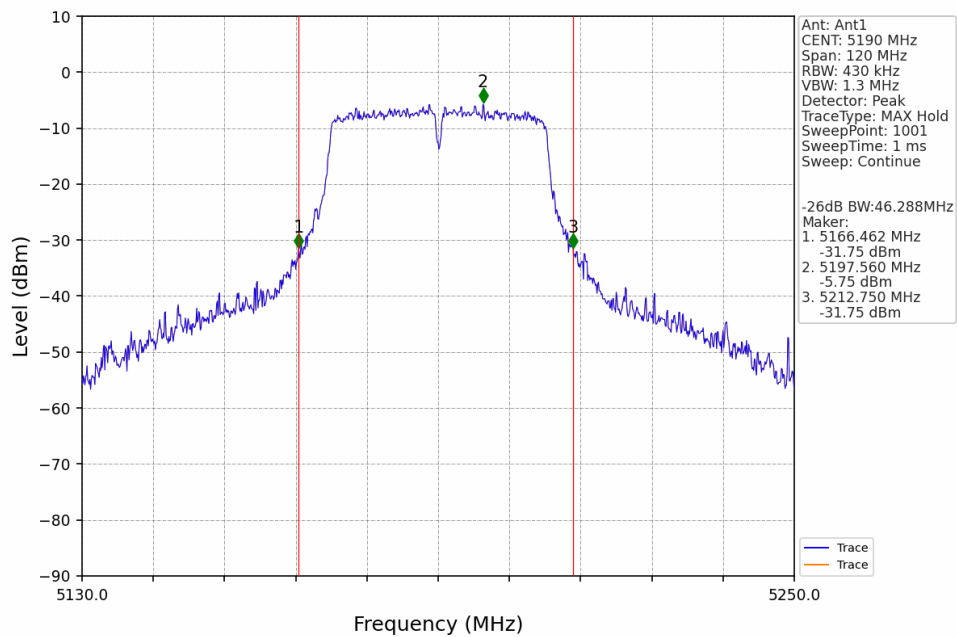
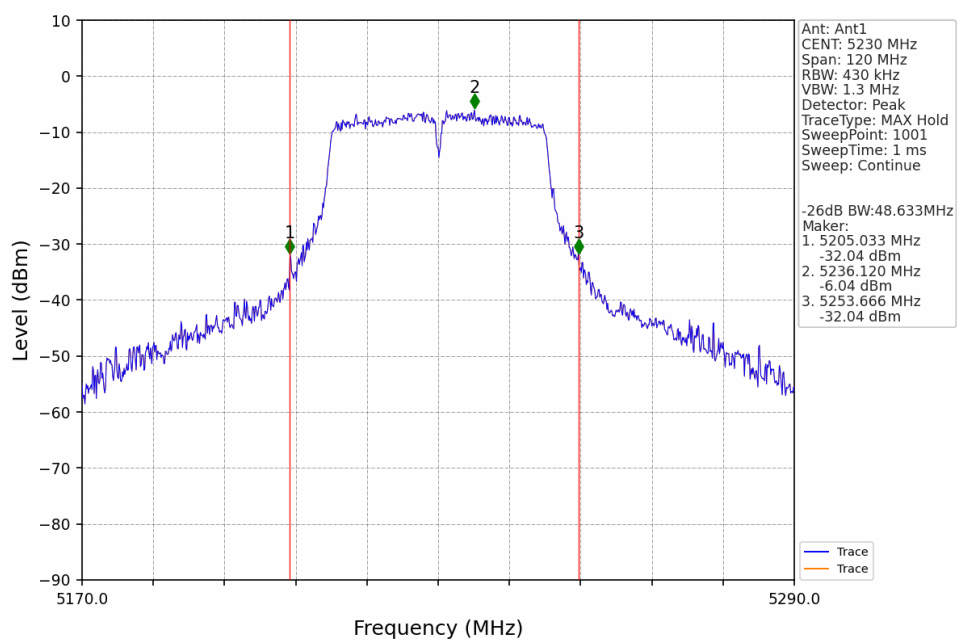


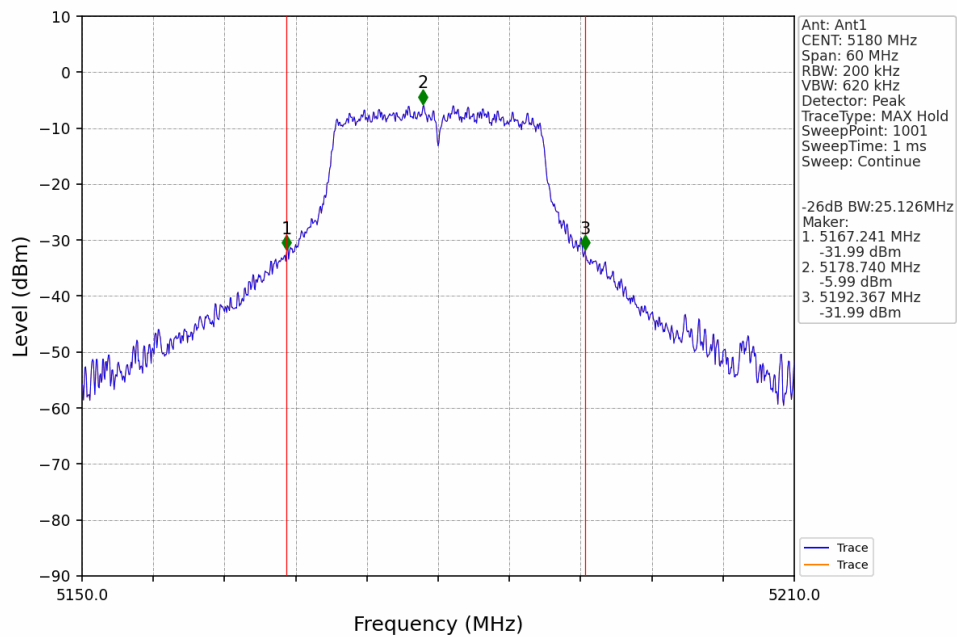
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



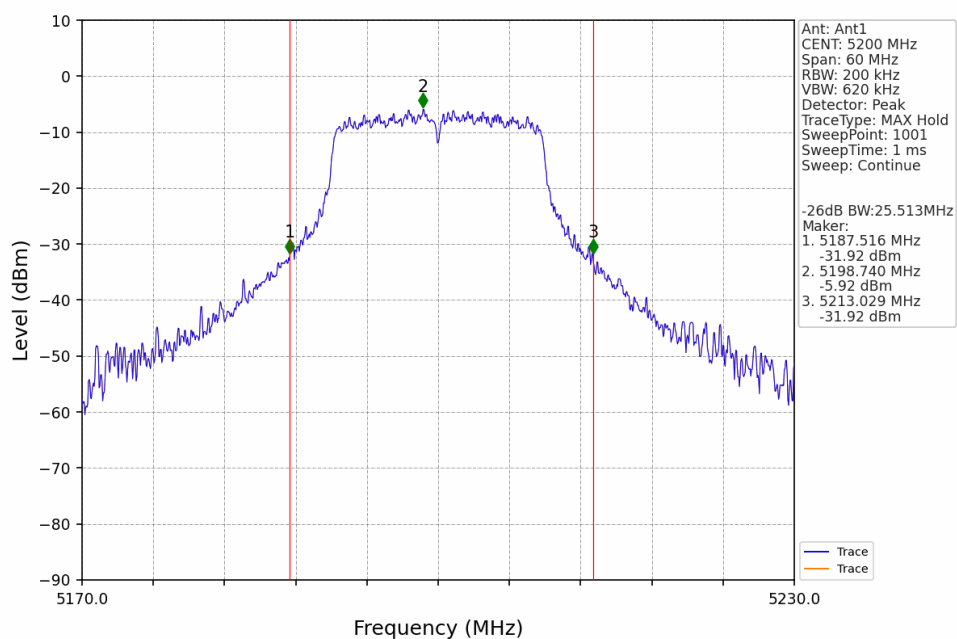
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



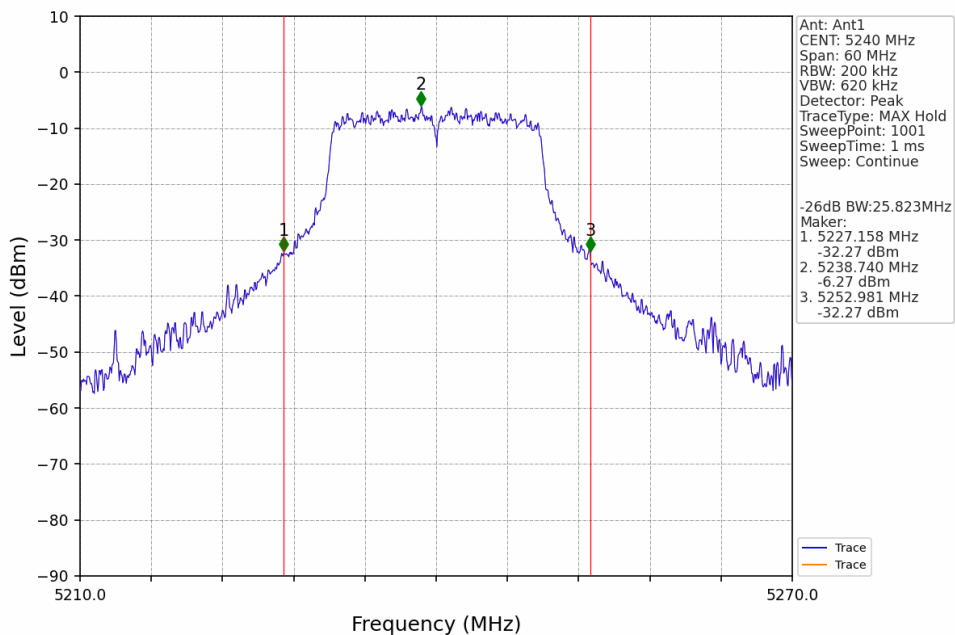
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



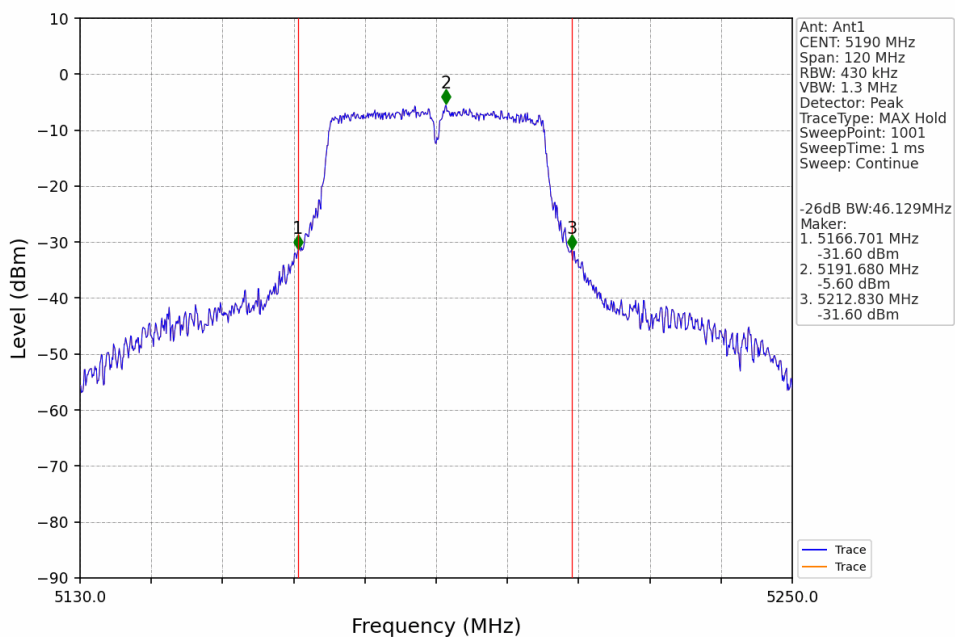
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



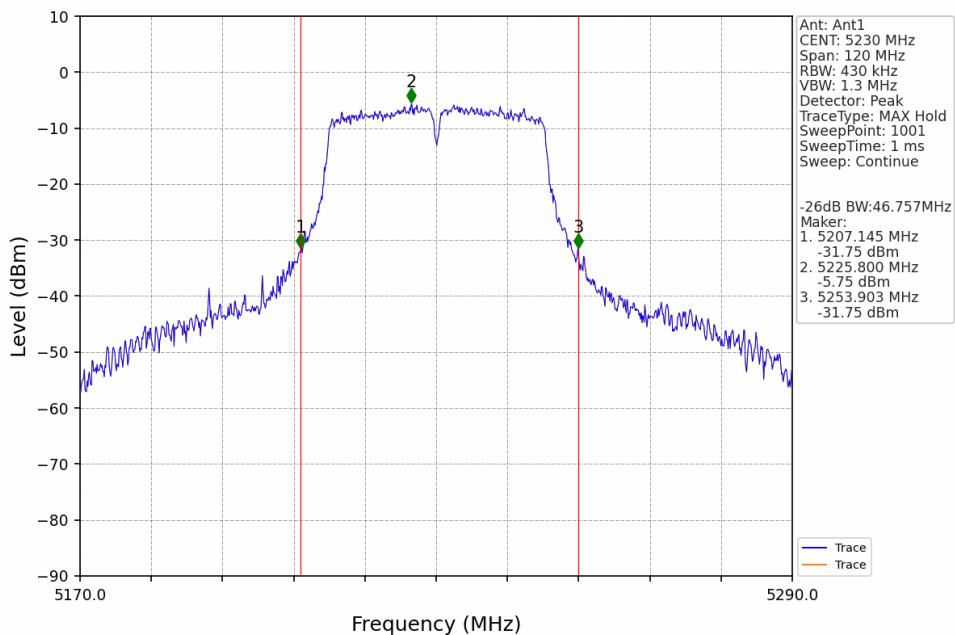
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



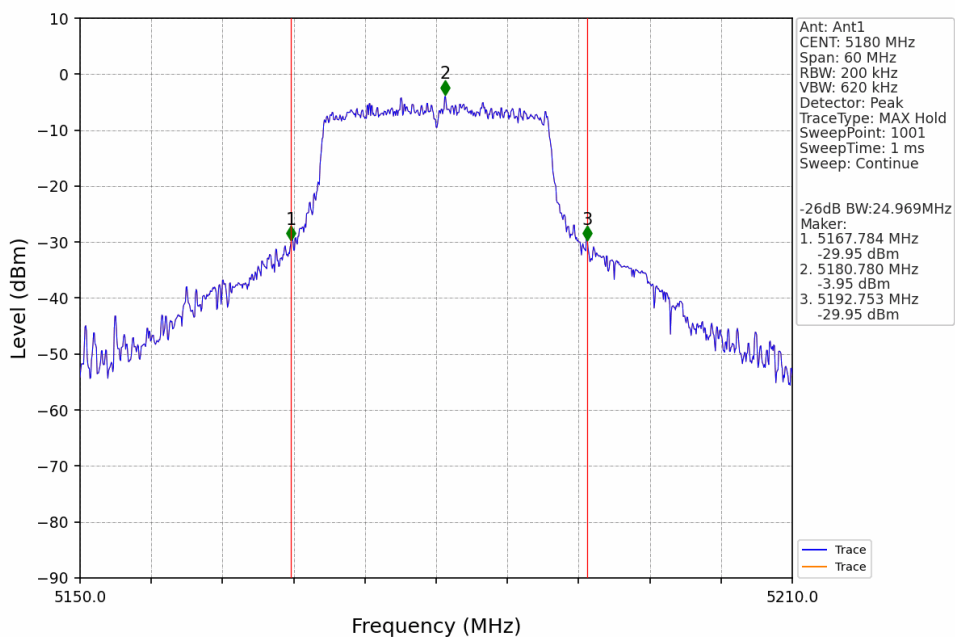
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



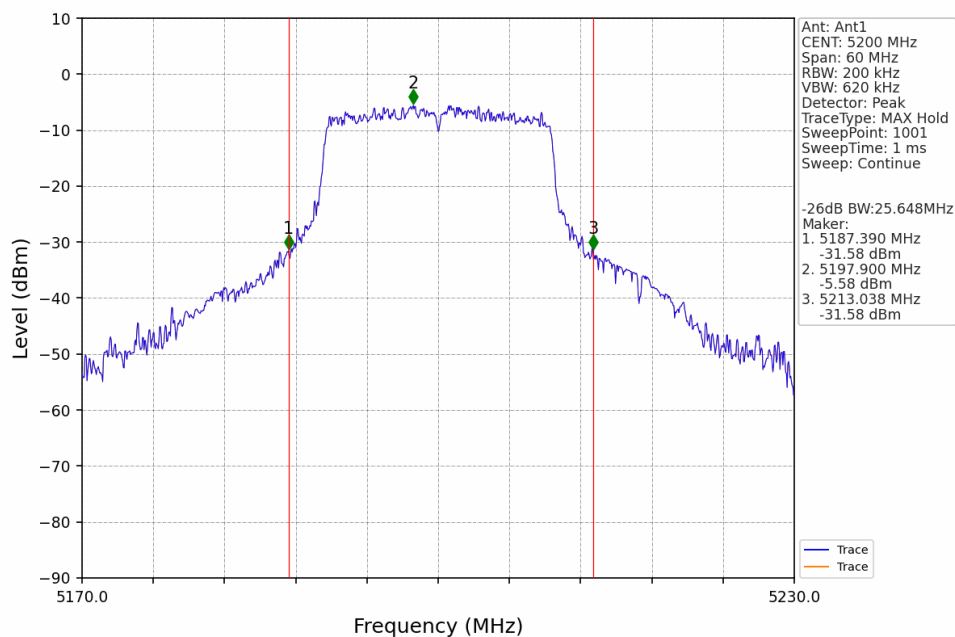
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



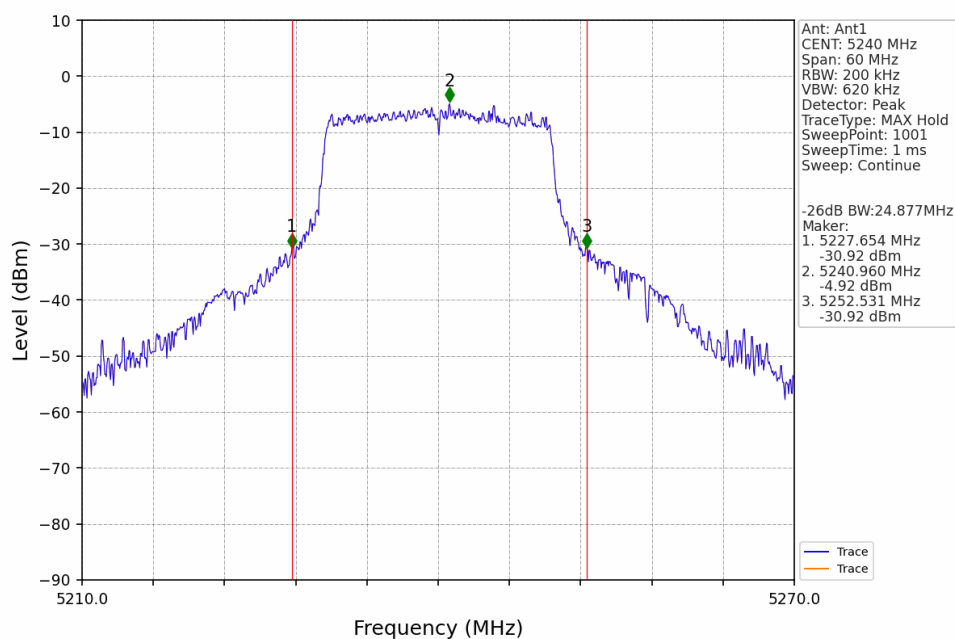
802.11ax(HE20)_LCH_5180MHz_SU_/_Ant1_NTNV



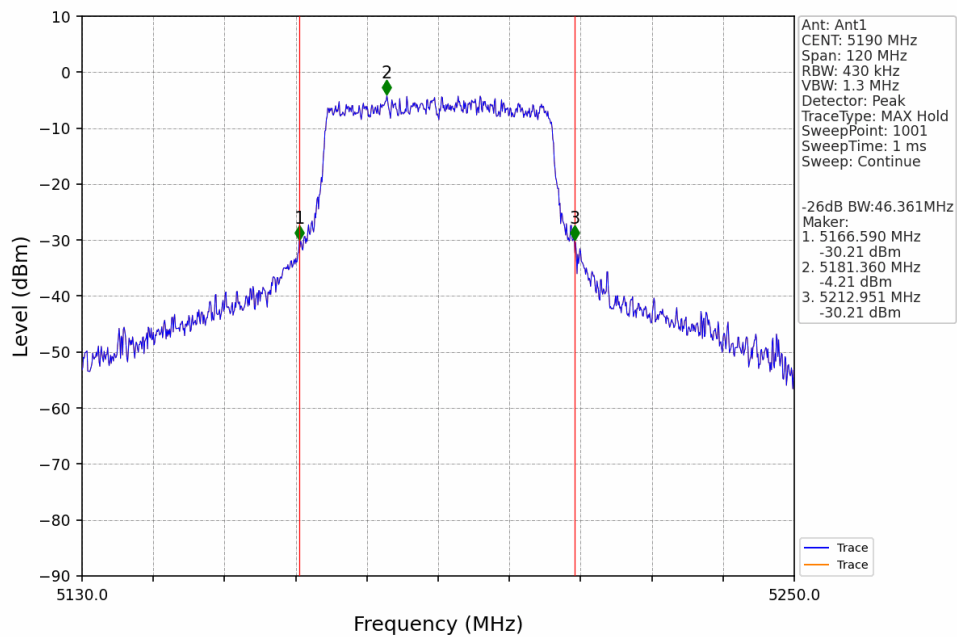
802.11ax(HE20)_MCH_5200MHz_SU_/_Ant1_NTNV



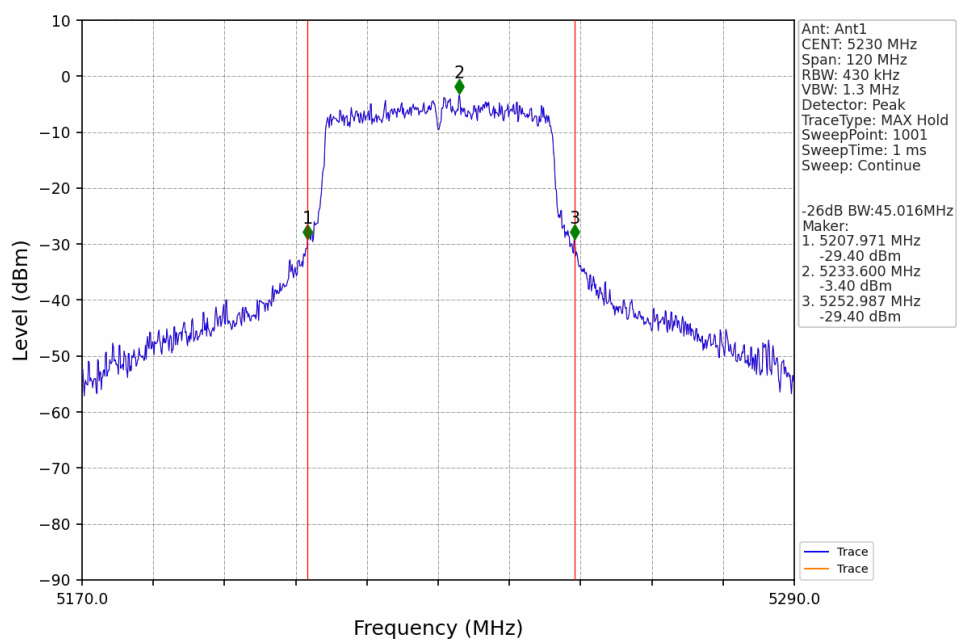
802.11ax(HE20)_HCH_5240MHz_SU_/_Ant1_NTNV



802.11ax(HE40) LCH 5190MHz SU / Ant1 NTN



802.11ax(HE40) HCH 5230MHz SU / Ant1 NTN



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	3.73	<=23.98	Pass
		5200	/	/	4.22	<=23.98	Pass
		5240	/	/	4.48	<=23.98	Pass
802.11n (HT20)	SISO	5180	/	/	3.76	<=23.98	Pass
		5200	/	/	3.93	<=23.98	Pass
		5240	/	/	3.88	<=23.98	Pass
802.11n (HT40)	SISO	5190	/	/	3.73	<=23.98	Pass
		5230	/	/	3.99	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	/	/	4.56	<=23.98	Pass
		5200	/	/	4.32	<=23.98	Pass
		5240	/	/	4.32	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	/	/	4.54	<=23.98	Pass
		5230	/	/	4.17	<=23.98	Pass
802.11ax (HE20)	SISO	5180	SU	/	4.34	<=23.98	Pass
		5200	SU	/	4.35	<=23.98	Pass
		5240	SU	/	4.38	<=23.98	Pass
802.11ax (HE40)	SISO	5190	SU	/	4.41	<=23.98	Pass
		5230	SU	/	4.08	<=23.98	Pass

Note1: Antenna Gain: Ant1: 4.14dBi;

Note2: Test result contains DCCF

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	-6.97	<=11	Pass
		5200	/	/	-6.73	<=11	Pass
		5240	/	/	-7.01	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	-7.39	<=11	Pass
		5200	/	/	-7.39	<=11	Pass
		5240	/	/	-7.37	<=11	Pass
802.11n (HT40)	SISO	5190	/	/	-10.70	<=11	Pass
		5230	/	/	-10.01	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	-6.97	<=11	Pass
		5200	/	/	-6.83	<=11	Pass
		5240	/	/	-6.87	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-9.80	<=11	Pass
		5230	/	/	-9.67	<=11	Pass
802.11ax (HE20)	SISO	5180	SU	/	-7.34	<=11	Pass
		5200	SU	/	-6.87	<=11	Pass
		5240	SU	/	-7.25	<=11	Pass
802.11ax (HE40)	SISO	5190	SU	/	-9.85	<=11	Pass
		5230	SU	/	-10.24	<=11	Pass

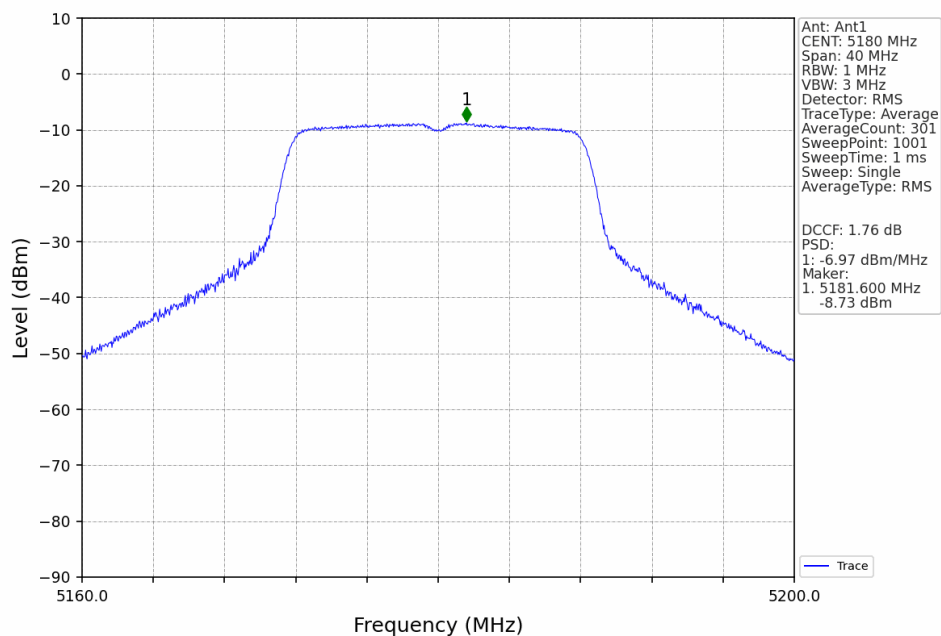
Note1: Antenna Gain: Ant1: 4.14dBi;

Note2: Test result contains DCCF

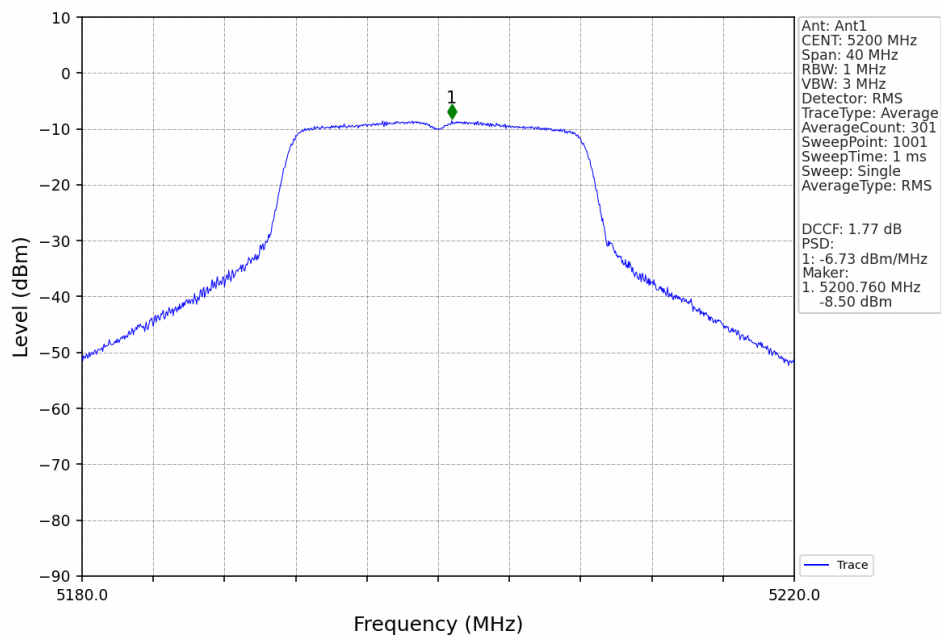
4.2 Test Graph

4.2.1 PSD

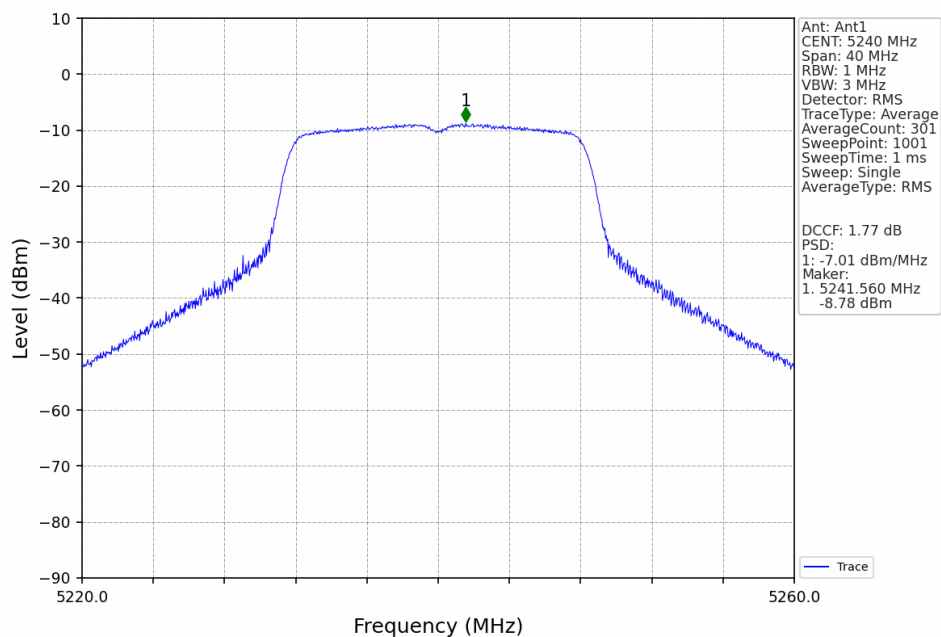
802.11a_LCH_5180MHz_Ant1_NTNV



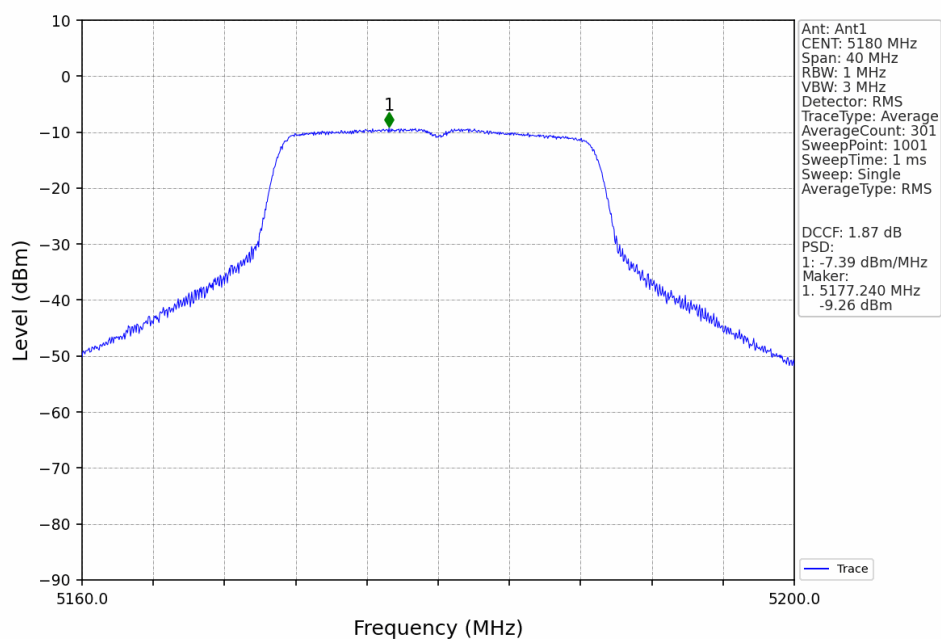
802.11a_MCH_5200MHz_Ant1_NTNV



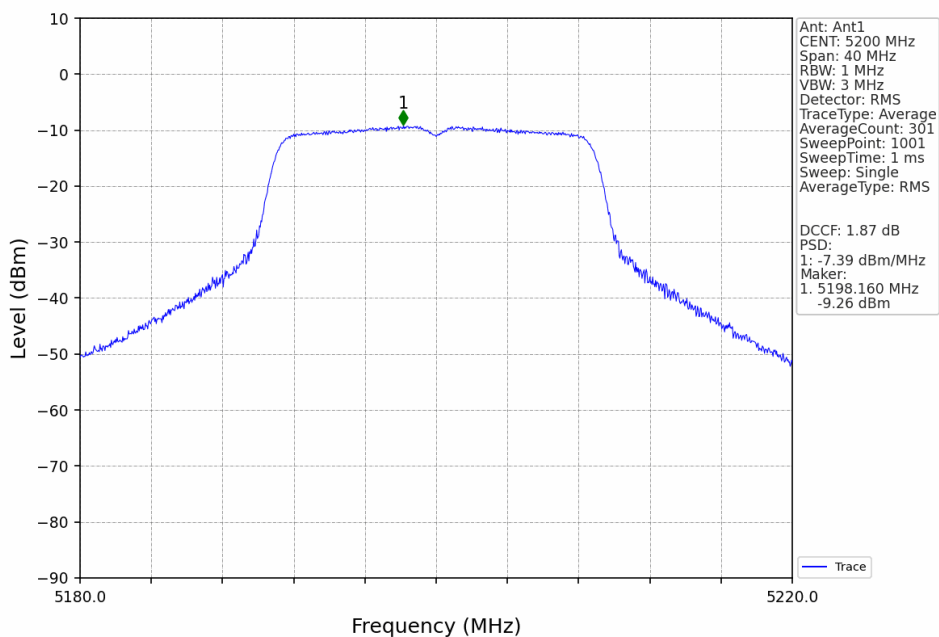
802.11a_HCH_5240MHz_Ant1_NTNV



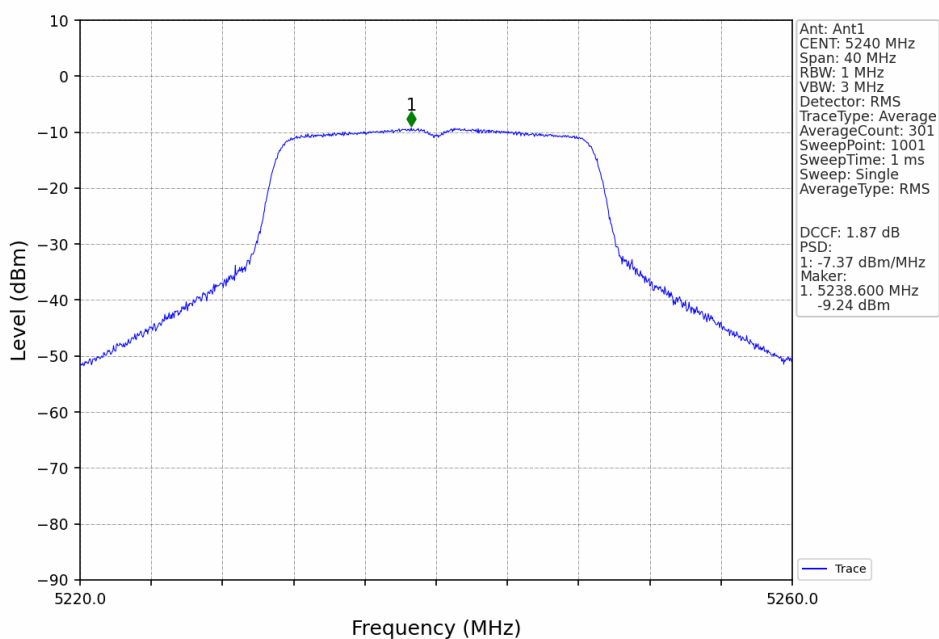
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



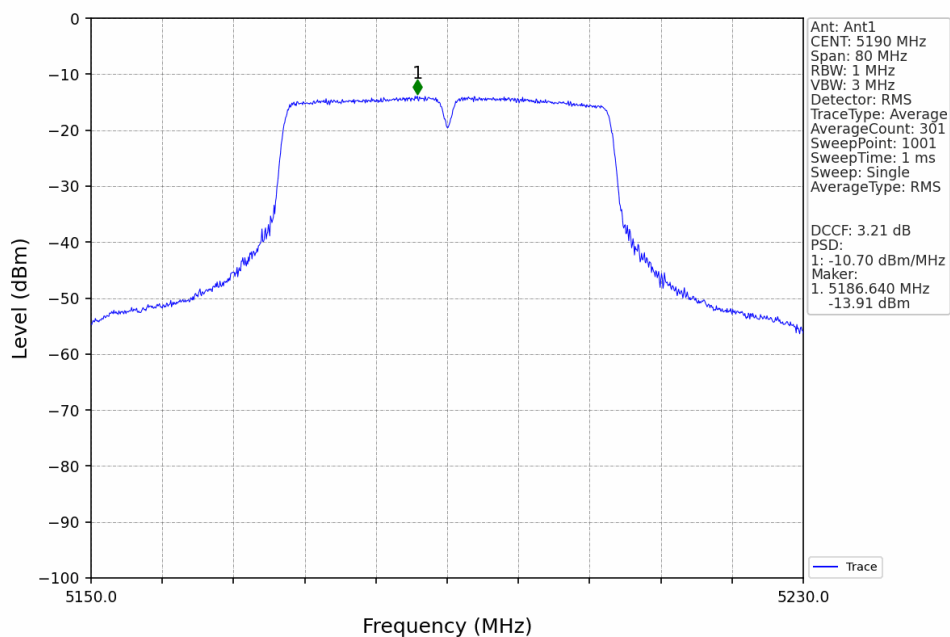
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



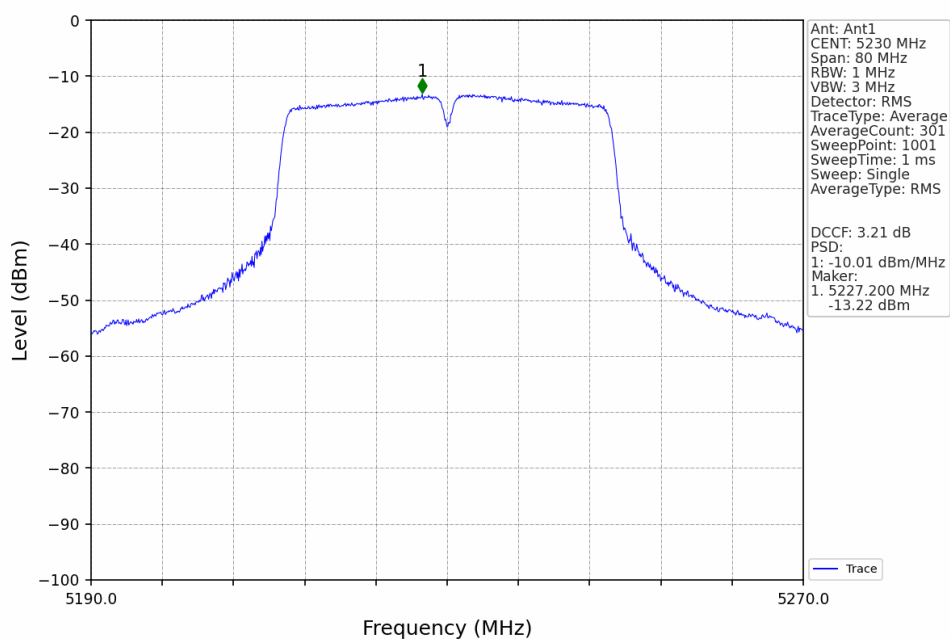
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



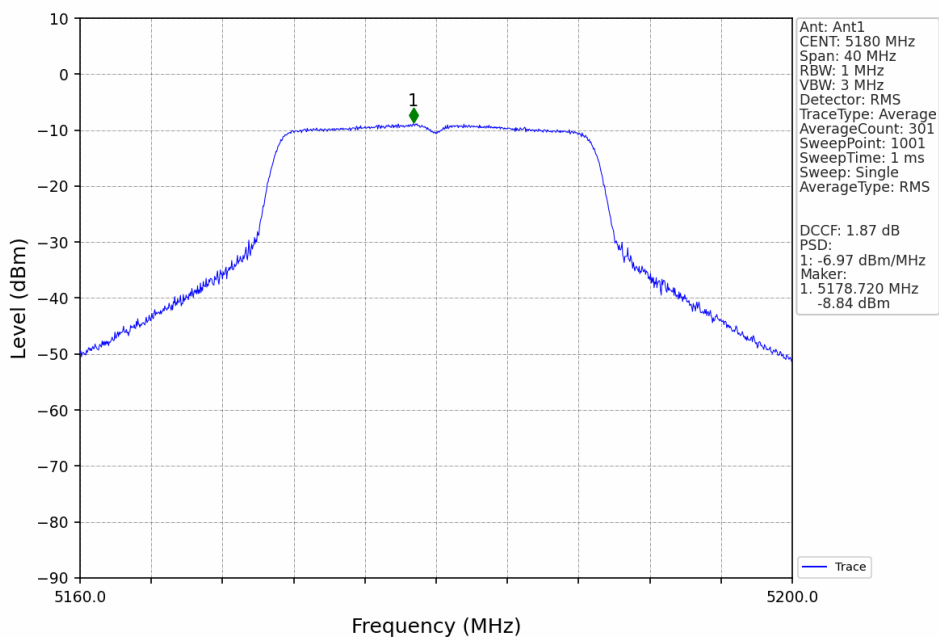
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



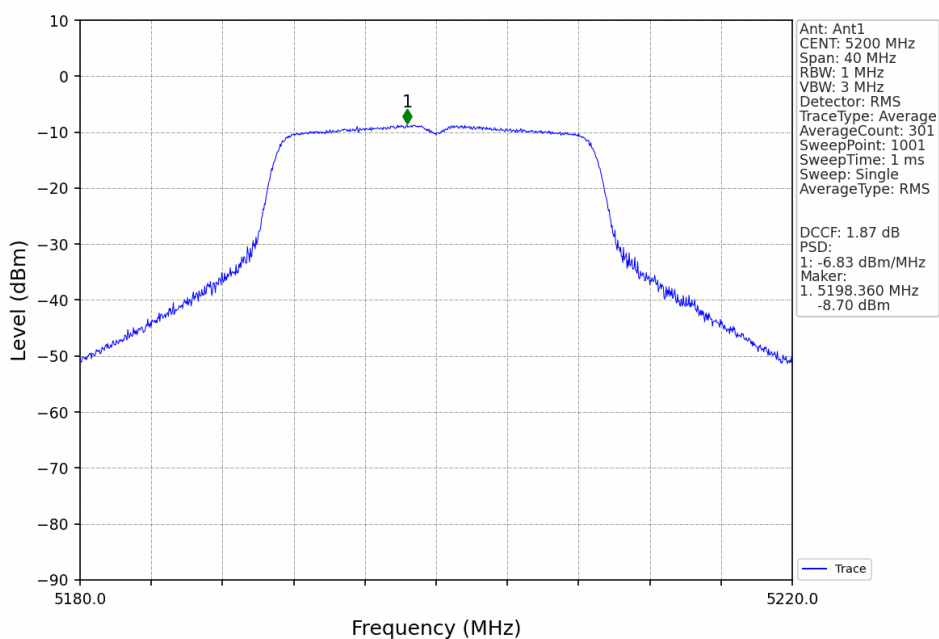
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



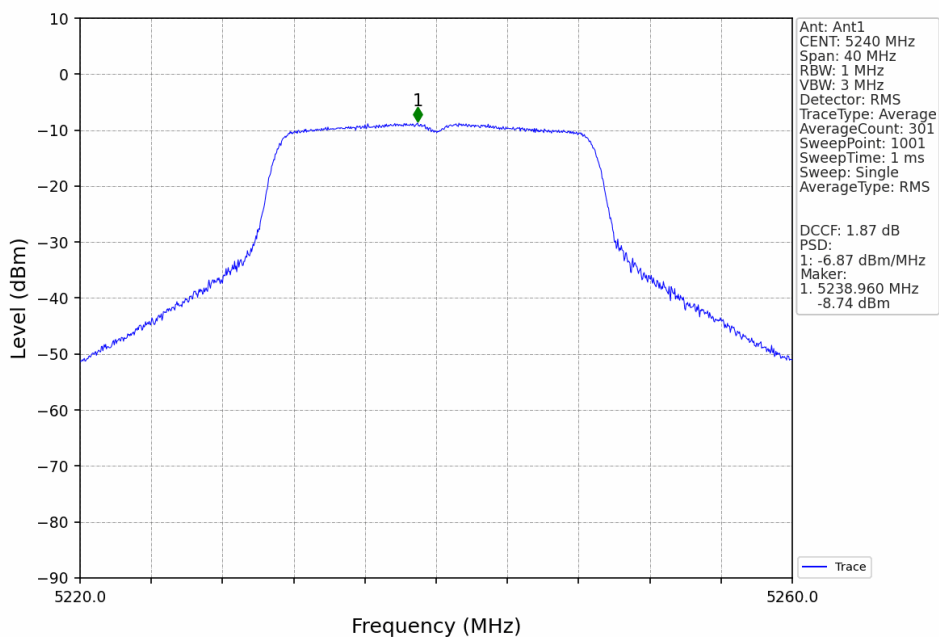
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



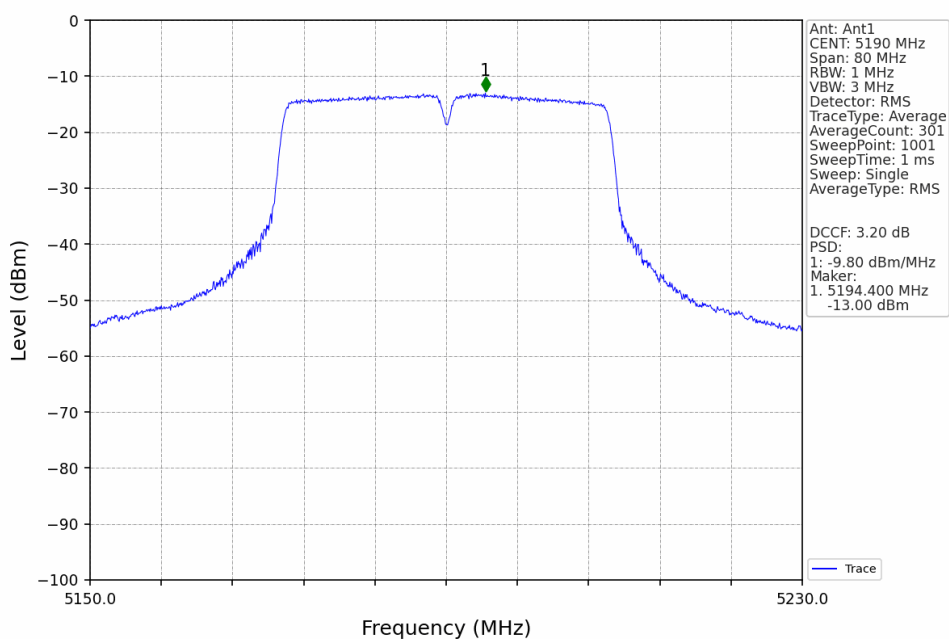
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



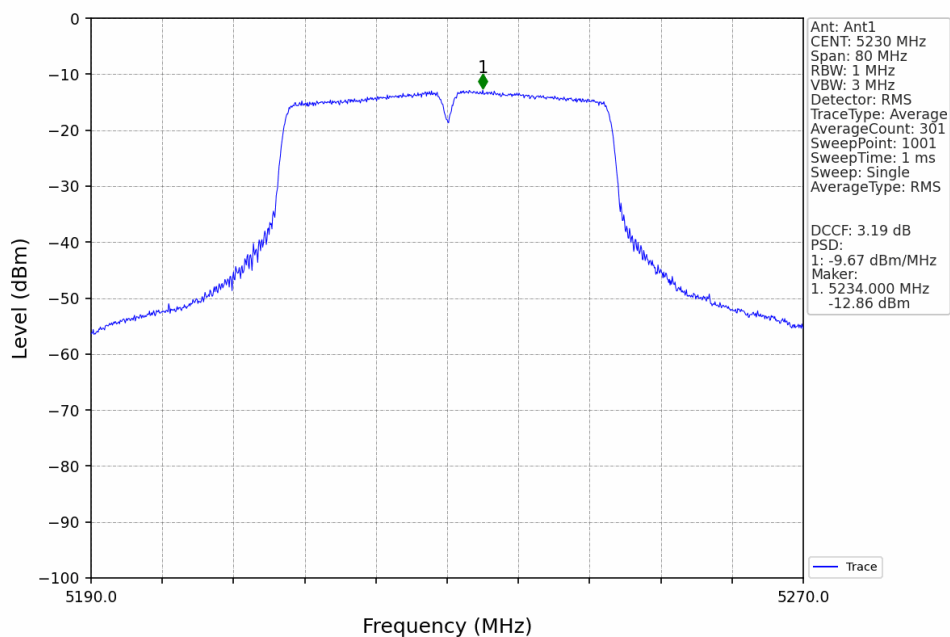
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



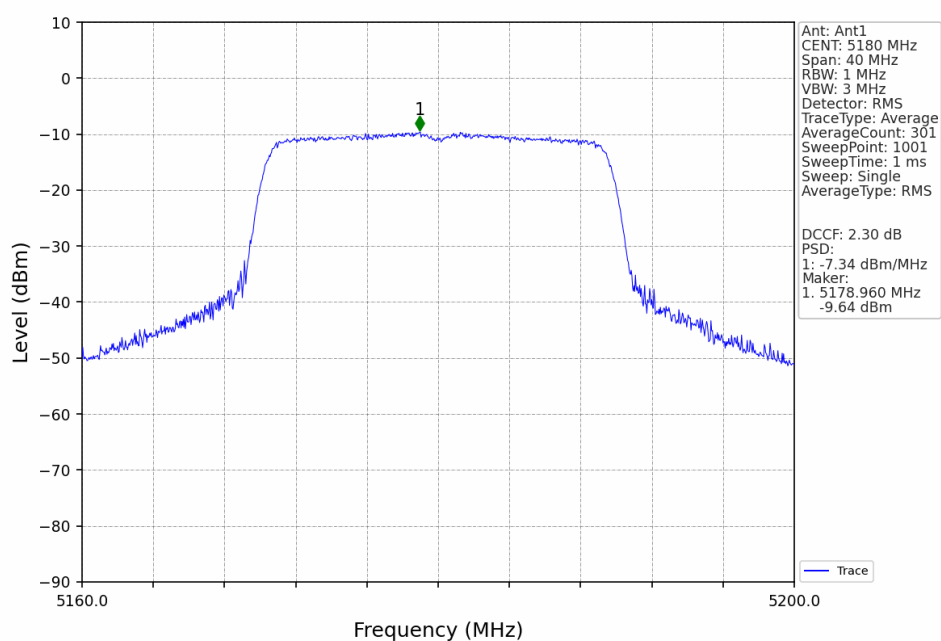
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



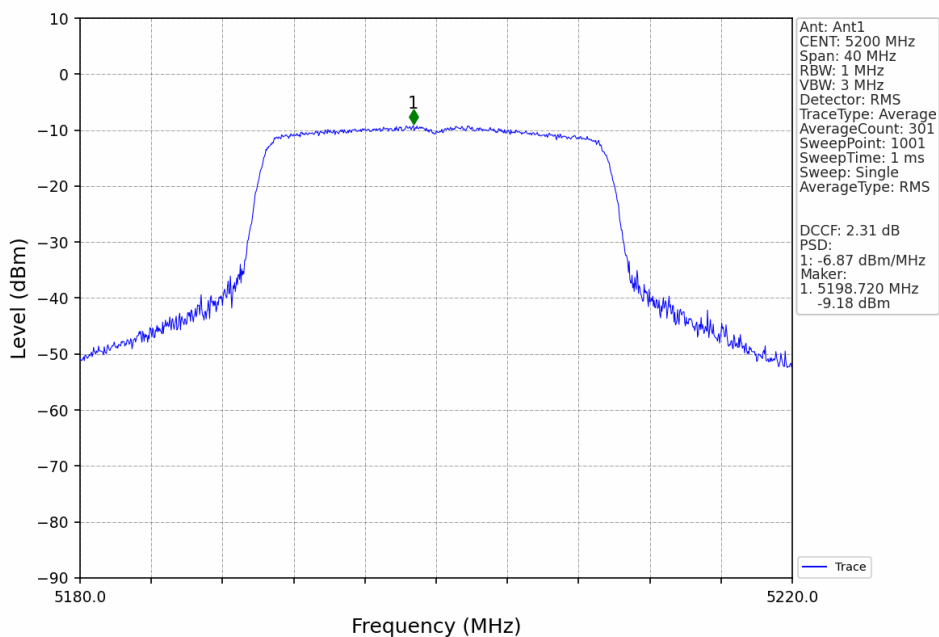
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



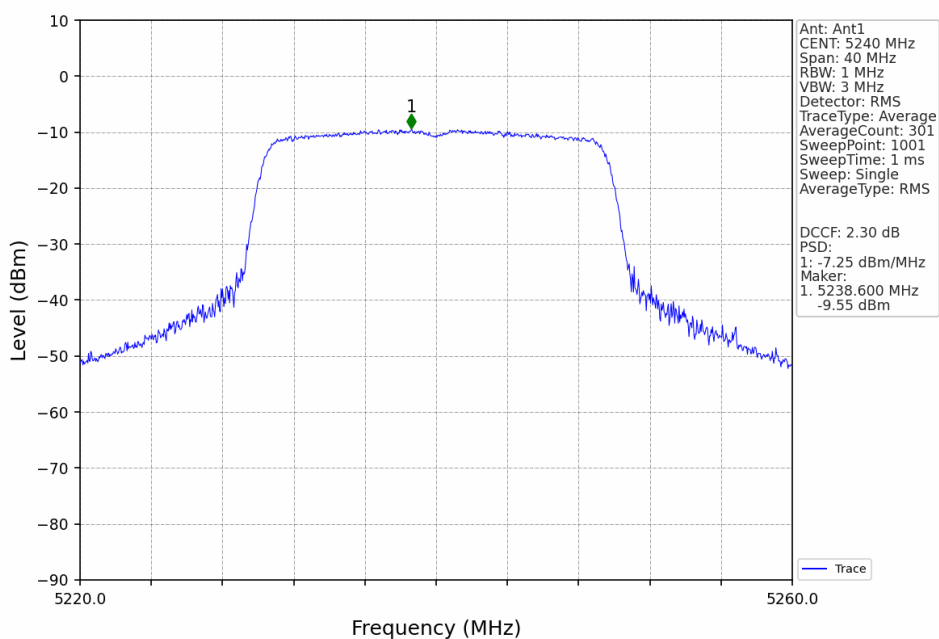
802.11ax(HE20)_LCH_5180MHz_SU_/_Ant1_NTNV



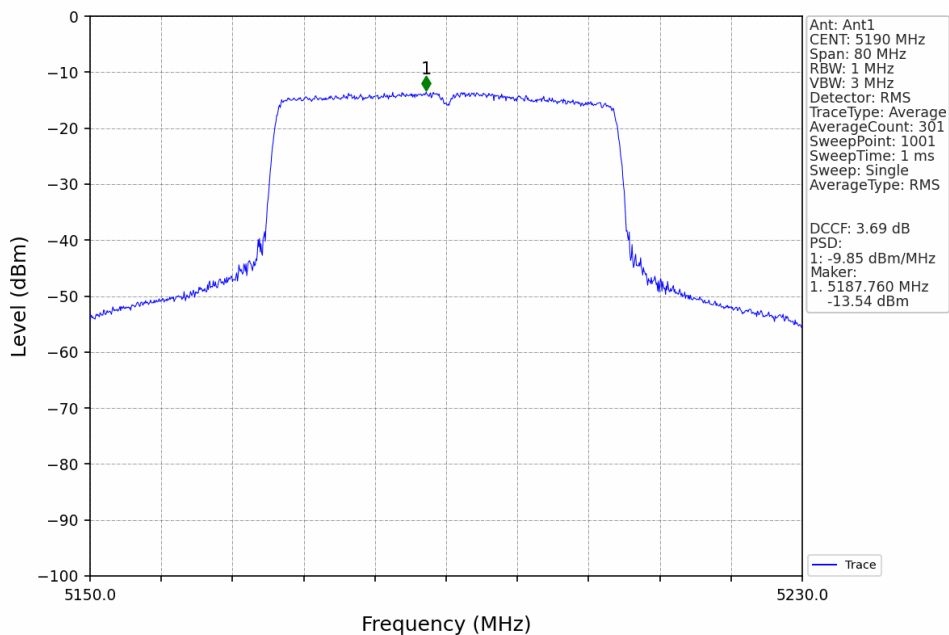
802.11ax(HE20)_MCH_5200MHz_SU_/_Ant1_NTNV



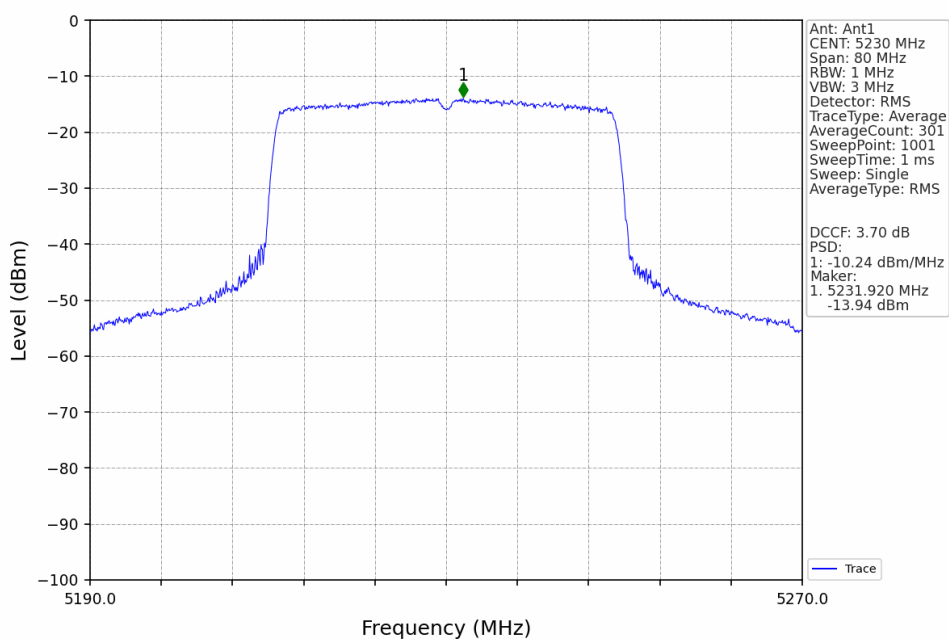
802.11ax(HE20)_HCH_5240MHz_SU_/_Ant1_NTNV



802.11ax(HE40) LCH 5190MHz SU / Ant1 NTNv



802.11ax(HE40) HCH 5230MHz SU / Ant1 NTNv



5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	102	5179.957	5150 to 5250	Pass
				120	5179.957	5150 to 5250	Pass
				138	5179.957	5150 to 5250	Pass
			-30	120	5179.957	5150 to 5250	Pass
			-20	120	5179.957	5150 to 5250	Pass
			-10	120	5179.963	5150 to 5250	Pass
			0	120	5179.963	5150 to 5250	Pass
			10	120	5179.963	5150 to 5250	Pass
			30	120	5179.963	5150 to 5250	Pass
			40	120	5179.963	5150 to 5250	Pass
			50	120	5179.962	5150 to 5250	Pass
		5200	20	102	5199.962	5150 to 5250	Pass
				120	5199.962	5150 to 5250	Pass
				138	5199.962	5150 to 5250	Pass
			-30	120	5199.962	5150 to 5250	Pass
			-20	120	5199.962	5150 to 5250	Pass
			-10	120	5199.962	5150 to 5250	Pass
			0	120	5199.962	5150 to 5250	Pass
			10	120	5199.962	5150 to 5250	Pass
			30	120	5199.962	5150 to 5250	Pass
			40	120	5199.962	5150 to 5250	Pass
			50	120	5199.962	5150 to 5250	Pass
		5240	20	102	5239.962	5150 to 5250	Pass
				120	5239.962	5150 to 5250	Pass
				138	5239.962	5150 to 5250	Pass
			-30	120	5239.962	5150 to 5250	Pass
			-20	120	5239.962	5150 to 5250	Pass
			-10	120	5239.962	5150 to 5250	Pass
			0	120	5239.962	5150 to 5250	Pass
			10	120	5239.962	5150 to 5250	Pass
			30	120	5239.962	5150 to 5250	Pass
			40	120	5239.962	5150 to 5250	Pass
			50	120	5239.962	5150 to 5250	Pass
		5190	20	102	5189.962	5150 to 5250	Pass
				120	5189.962	5150 to 5250	Pass
				138	5189.962	5150 to 5250	Pass
			-30	120	5189.962	5150 to 5250	Pass
			-20	120	5189.962	5150 to 5250	Pass
			-10	120	5189.962	5150 to 5250	Pass
			0	120	5189.962	5150 to 5250	Pass
			10	120	5189.962	5150 to 5250	Pass
			30	120	5189.962	5150 to 5250	Pass
			40	120	5189.962	5150 to 5250	Pass
			50	120	5189.962	5150 to 5250	Pass
		5230	20	102	5229.962	5150 to 5250	Pass
				120	5229.962	5150 to 5250	Pass
				138	5229.962	5150 to 5250	Pass
			-30	120	5229.962	5150 to 5250	Pass
			-20	120	5229.962	5150 to 5250	Pass
			-10	120	5229.962	5150 to 5250	Pass
			0	120	5229.962	5150 to 5250	Pass
			0	120	5229.962	5150 to 5250	Pass

			10	120	5229.962	5150 to 5250	Pass
			30	120	5229.962	5150 to 5250	Pass
			40	120	5229.962	5150 to 5250	Pass
			50	120	5229.961	5150 to 5250	Pass
		5210	20	102	5209.961	5150 to 5250	Pass
				120	5209.961	5150 to 5250	Pass
				138	5209.960	5150 to 5250	Pass
			-30	120	5209.960	5150 to 5250	Pass
			-20	120	5209.960	5150 to 5250	Pass
			-10	120	5209.960	5150 to 5250	Pass
			0	120	5209.960	5150 to 5250	Pass
			10	120	5209.960	5150 to 5250	Pass
			30	120	5209.960	5150 to 5250	Pass
			40	120	5209.960	5150 to 5250	Pass
			50	120	5209.960	5150 to 5250	Pass

Band3

1. Duty Cycle

1.1 Test Result

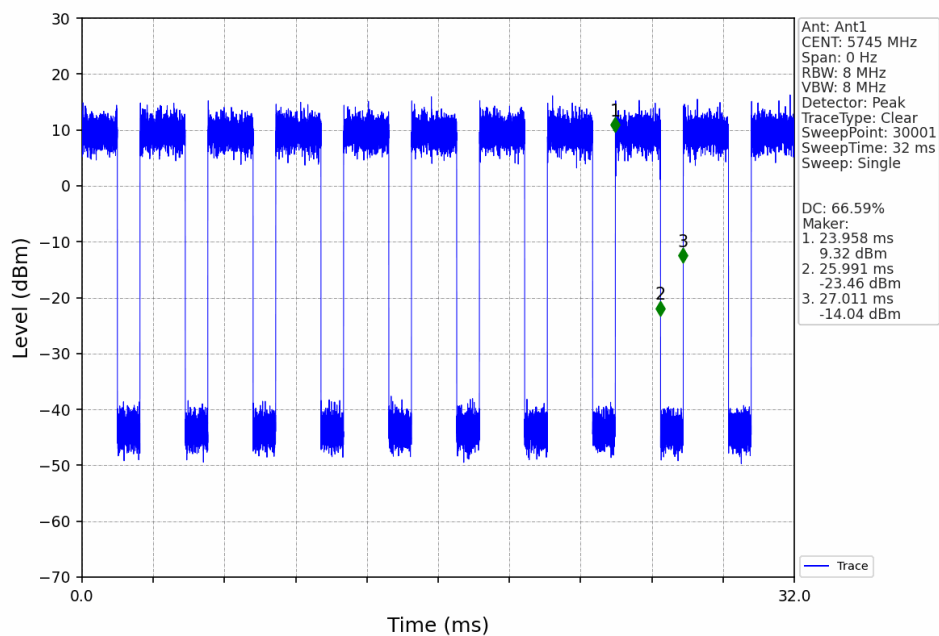
1.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	/	/	2.033	3.053	66.59	1.77	0.14
		5785	/	/	2.033	3.053	66.59	1.77	0.03
		5825	/	/	2.035	3.053	66.66	1.76	0.01
802.11n (HT20)	SISO	5745	/	/	1.894	2.913	65.02	1.87	0.12
		5785	/	/	1.893	2.913	64.98	1.87	0.07
		5825	/	/	1.894	2.913	65.02	1.87	0.03
802.11n (HT40)	SISO	5755	/	/	0.933	1.948	47.90	3.20	0.02
		5795	/	/	0.934	1.955	47.77	3.21	0.18
802.11ac (VHT20)	SISO	5745	/	/	1.902	2.921	65.11	1.86	0.09
		5785	/	/	1.902	2.922	65.09	1.86	0.12
		5825	/	/	1.902	2.921	65.11	1.86	0.15
802.11ac (VHT40)	SISO	5755	/	/	0.937	1.956	47.90	3.20	0.17
		5795	/	/	0.937	1.953	47.98	3.19	0.03
802.11ax (HE20)	SISO	5745	SU	/	1.459	2.562	56.95	2.45	1.99
		5785	SU	/	1.459	2.480	58.83	2.30	0.03
		5825	SU	/	1.459	2.480	58.83	2.30	0.03
802.11ax (HE40)	SISO	5755	SU	/	0.760	1.780	42.70	3.70	0.13
		5795	SU	/	0.760	1.780	42.70	3.70	0.14

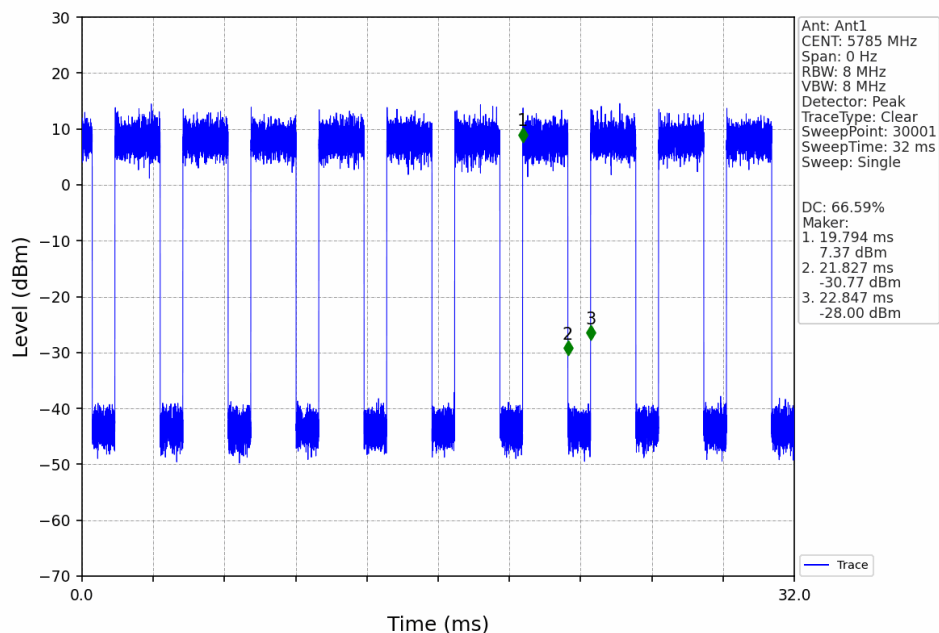
1.2 Test Graph

1.2.1 Ant1

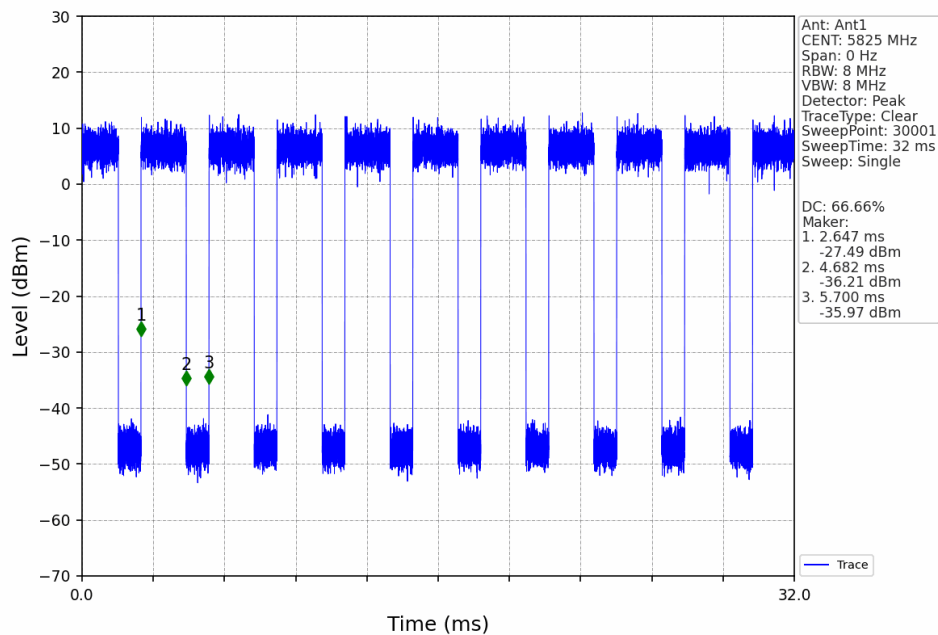
802.11a_LCH_5745MHz_Ant1_NTNV



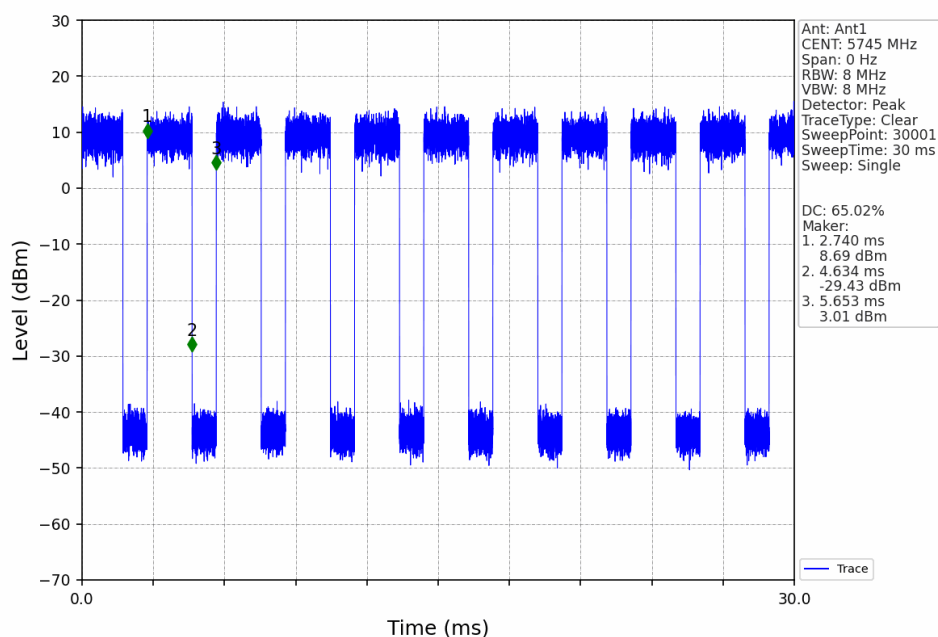
802.11a_MCH_5785MHz_Ant1_NTNV



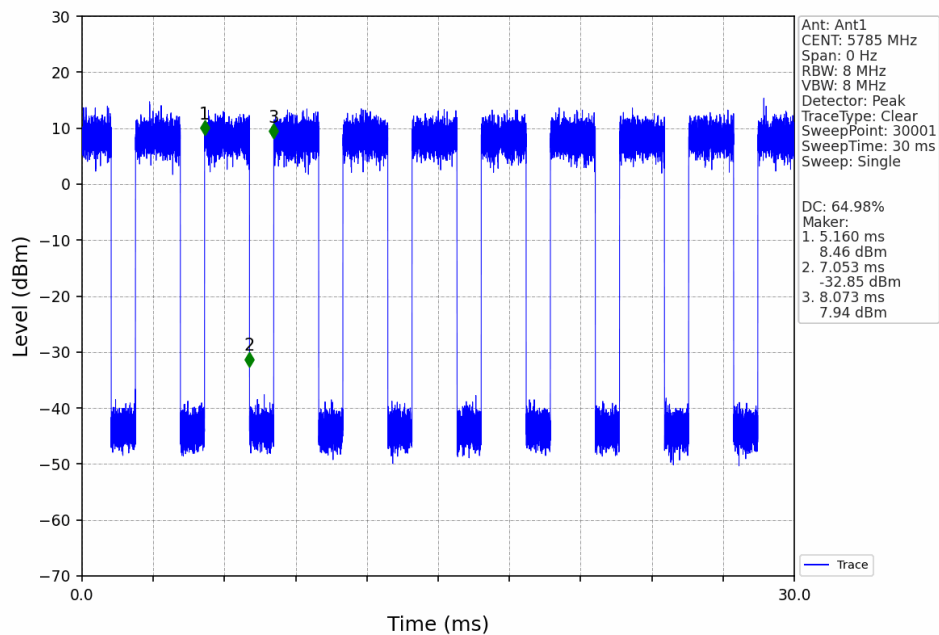
802.11a_HCH_5825MHz_Ant1_NTNV



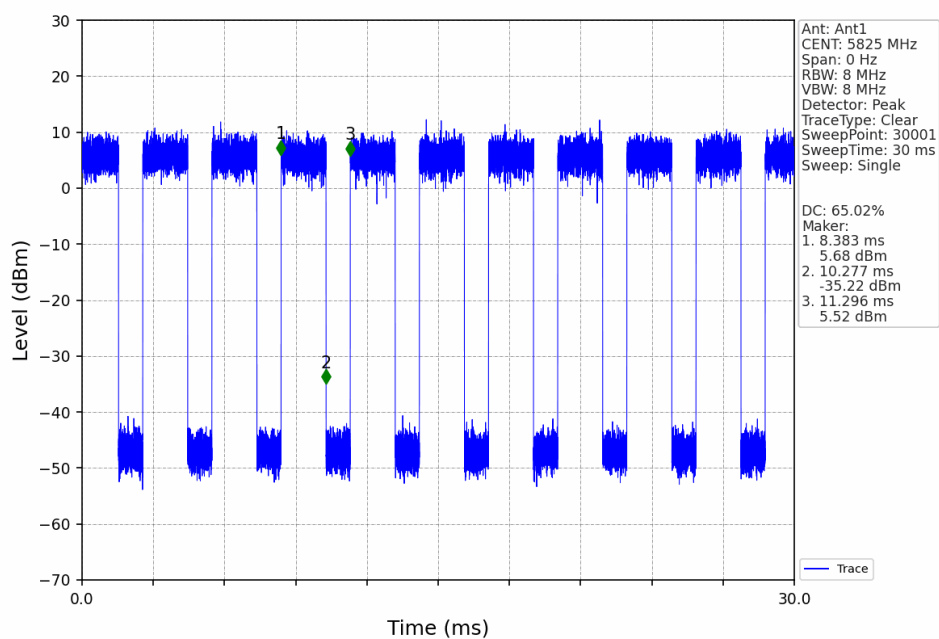
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



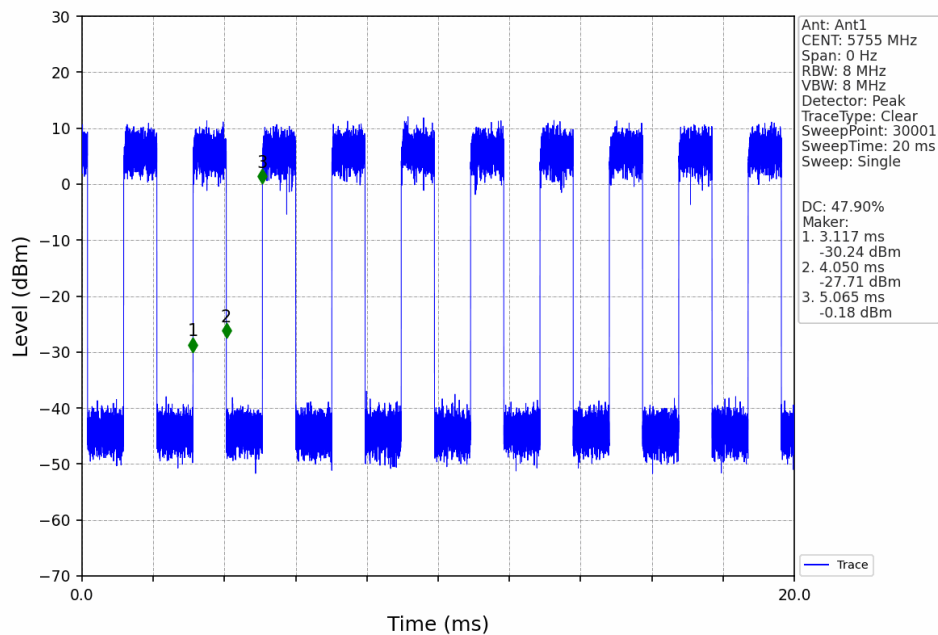
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



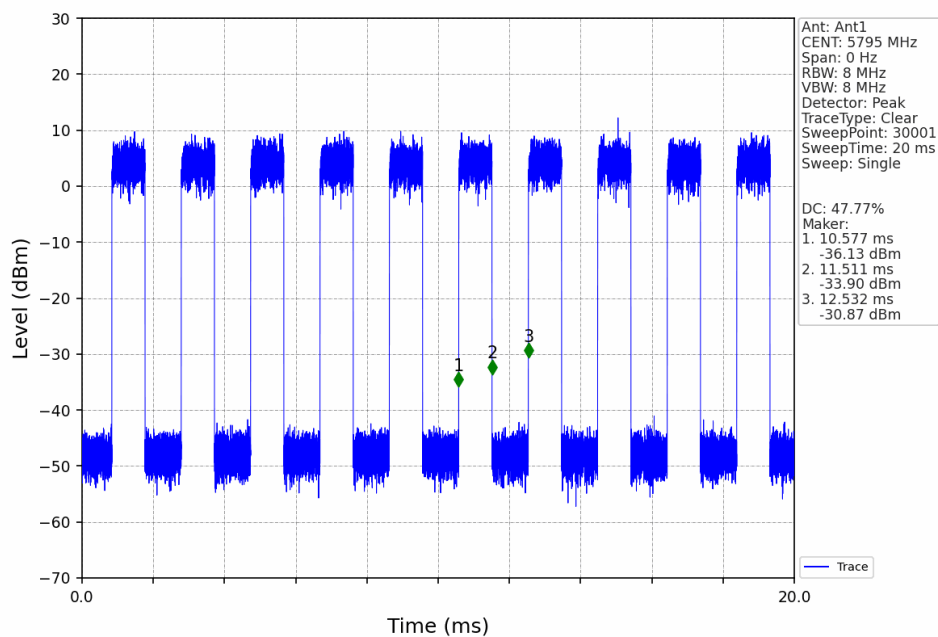
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



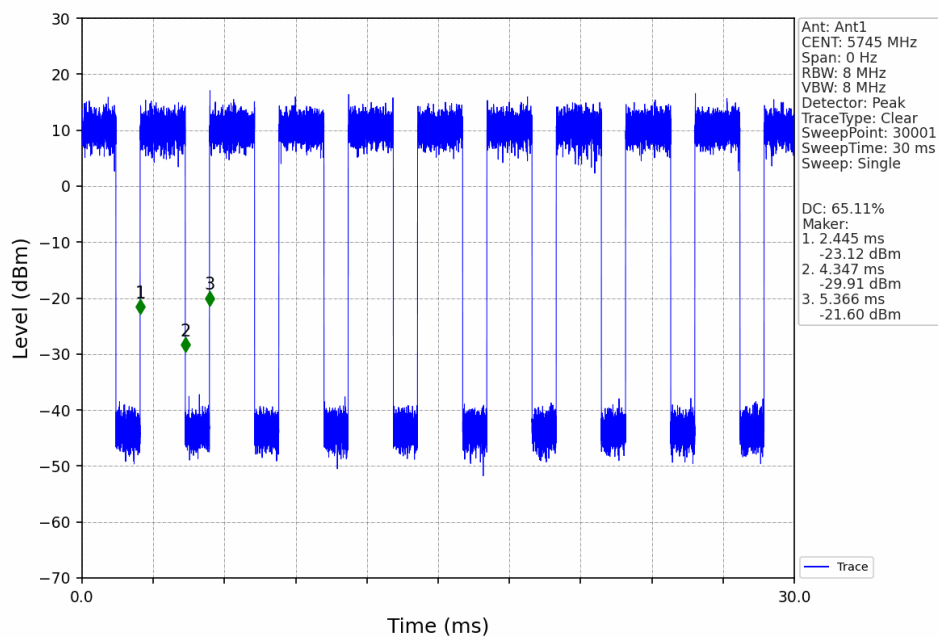
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



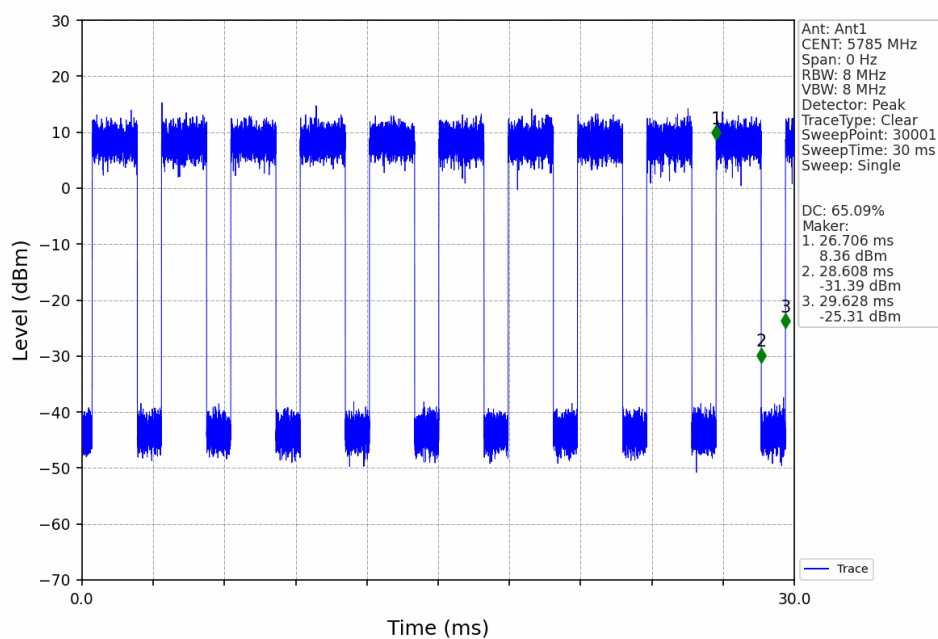
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



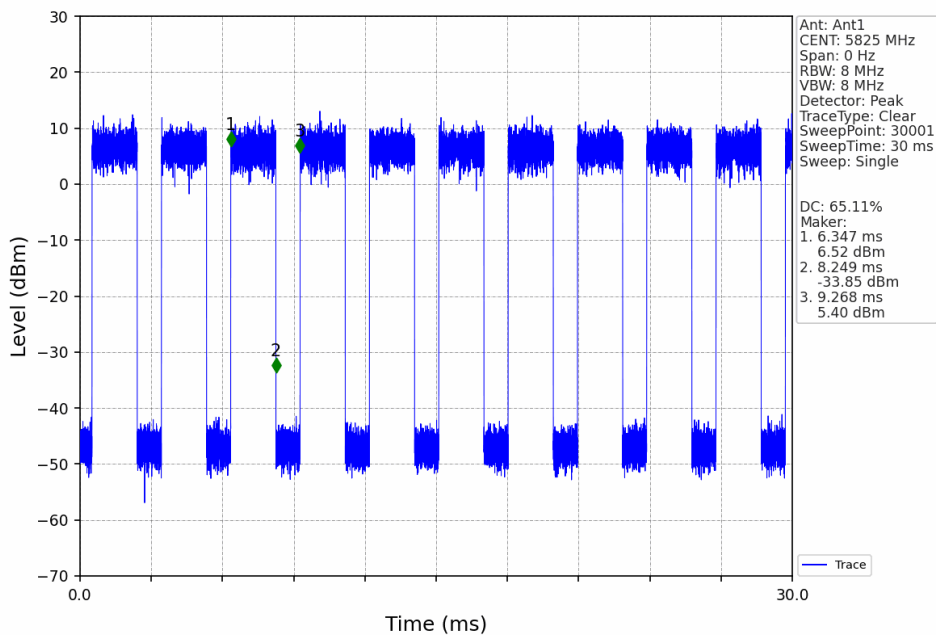
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



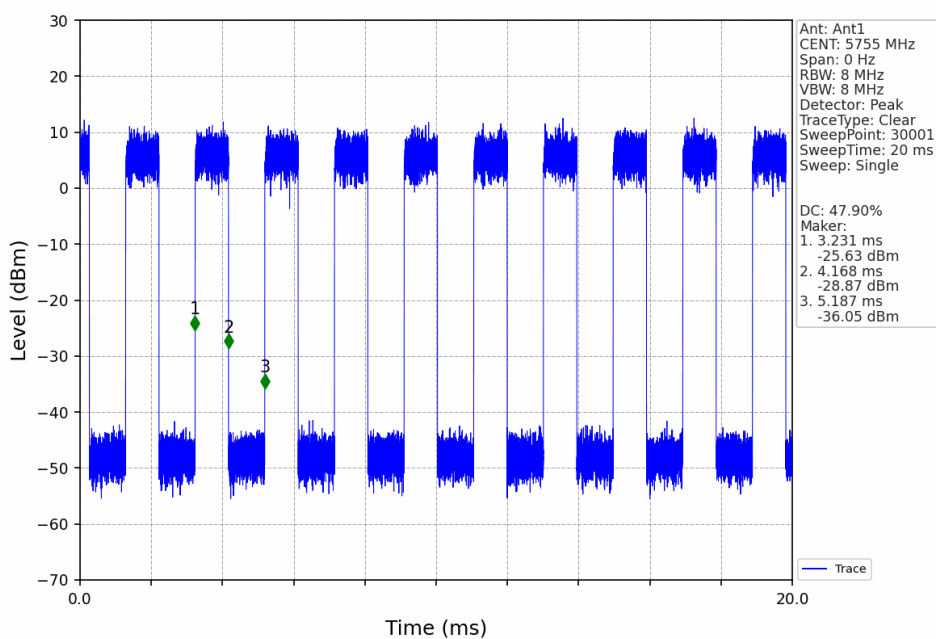
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



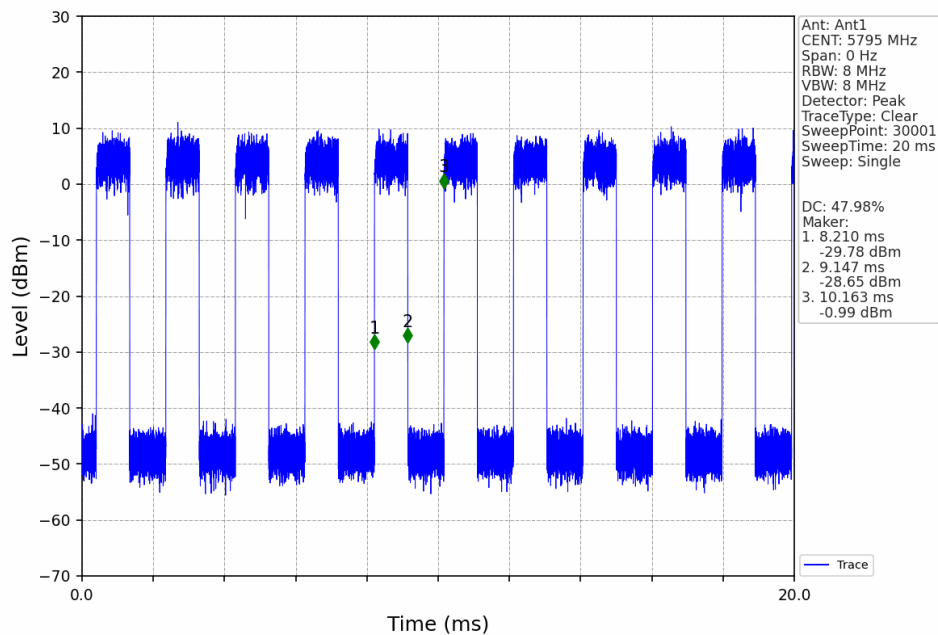
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



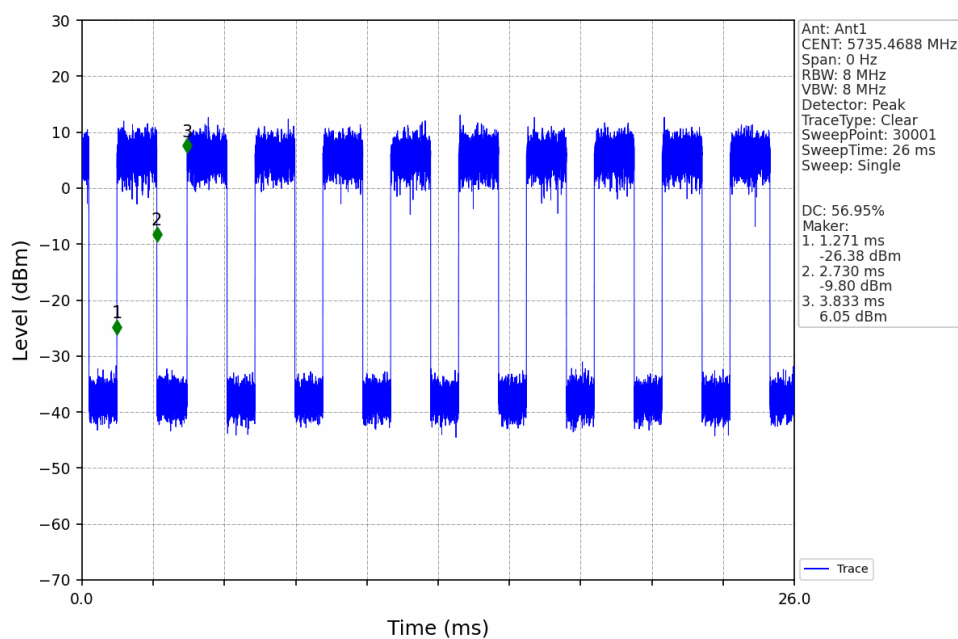
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



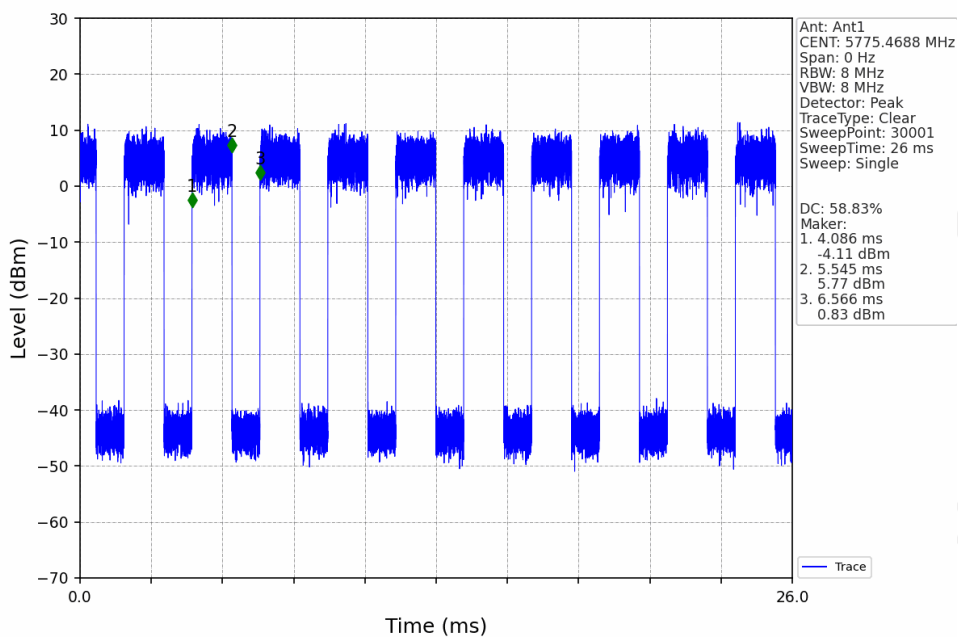
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



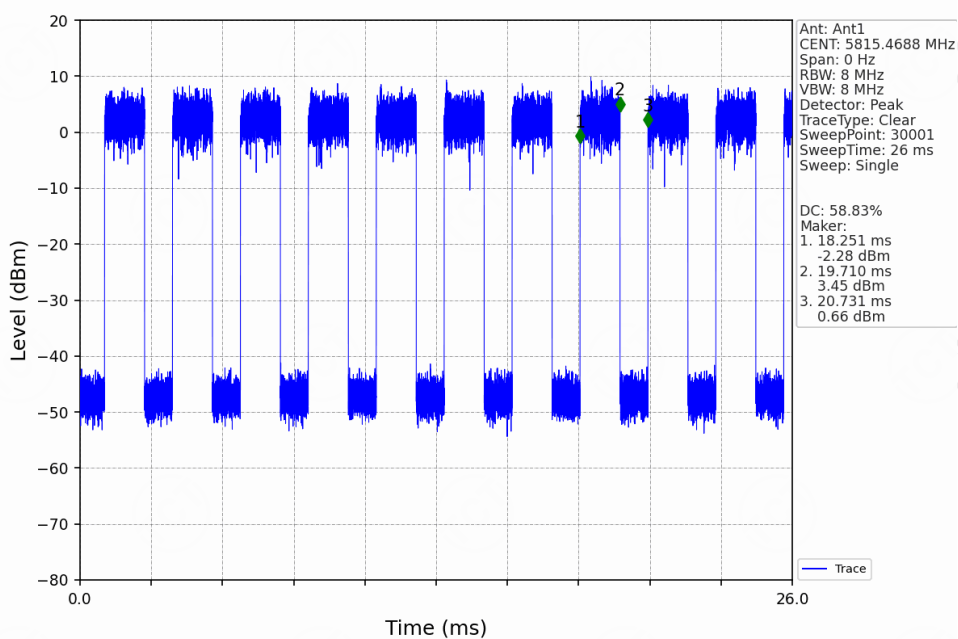
802.11ax(HE20)_LCH_5745MHz_SU_/_Ant1_NTNV



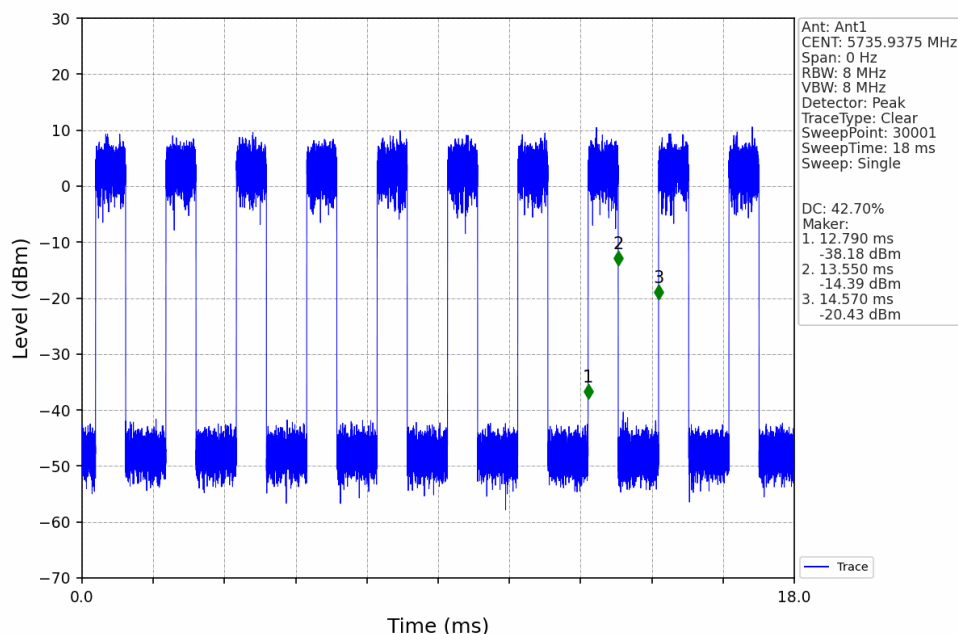
802.11ax(HE20)_MCH_5785MHz_SU / Ant1 NTN



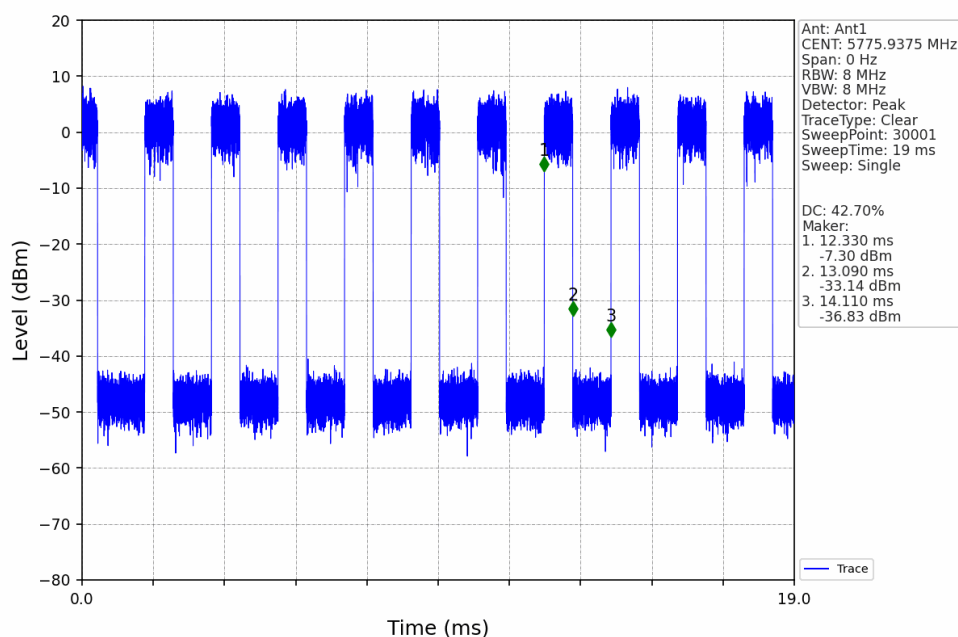
802.11ax(HE20)_HCH_5825MHz_SU / Ant1 NTN



802.11ax(HE40) LCH 5755MHz SU / Ant1 NTN



802.11ax(HE40) HCH 5795MHz SU / Ant1 NTN



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	19.044	/	Pass
		5785	/	/	1	18.908	/	Pass
		5825	/	/	1	18.865	/	Pass
802.11n (HT20)	SISO	5745	/	/	1	19.942	/	Pass
		5785	/	/	1	19.888	/	Pass
		5825	/	/	1	19.771	/	Pass
802.11n (HT40)	SISO	5755	/	/	1	37.965	/	Pass
		5795	/	/	1	38.095	/	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	19.861	/	Pass
		5785	/	/	1	19.852	/	Pass
		5825	/	/	1	19.865	/	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	38.106	/	Pass
		5795	/	/	1	38.265	/	Pass
802.11ax (HE20)	SISO	5745	SU	/	1	20.331	/	Pass
		5785	SU	/	1	20.345	/	Pass
		5825	SU	/	1	20.332	/	Pass
802.11ax (HE40)	SISO	5755	SU	/	1	39.175	/	Pass
		5795	SU	/	1	39.122	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.386	≥ 0.5	Pass
		5785	/	/	1	16.391	≥ 0.5	Pass
		5825	/	/	1	16.392	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.632	≥ 0.5	Pass
		5785	/	/	1	17.608	≥ 0.5	Pass
		5825	/	/	1	17.663	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.345	≥ 0.5	Pass
		5795	/	/	1	36.002	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.638	≥ 0.5	Pass
		5785	/	/	1	17.629	≥ 0.5	Pass
		5825	/	/	1	17.628	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	35.798	≥ 0.5	Pass
		5795	/	/	1	35.814	≥ 0.5	Pass
802.11ax (HE20)	SISO	5745	SU	/	1	19.088	≥ 0.5	Pass
		5785	SU	/	1	19.028	≥ 0.5	Pass

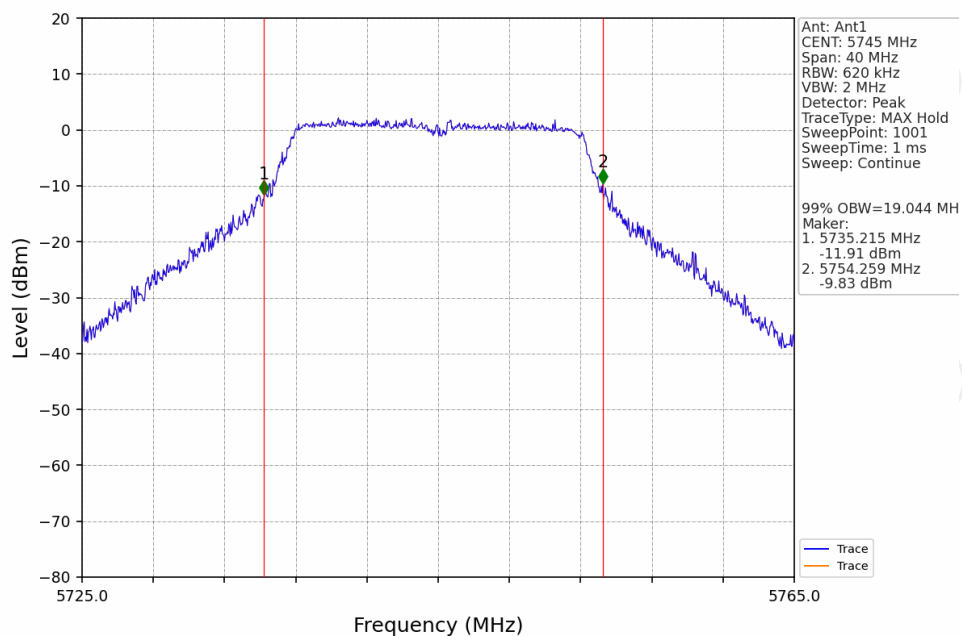
		5825	SU	/	1	19.041	>=0.5	Pass
802.11ax (HE40)	SISO	5755	SU	/	1	38.058	>=0.5	Pass
		5795	SU	/	1	37.986	>=0.5	Pass



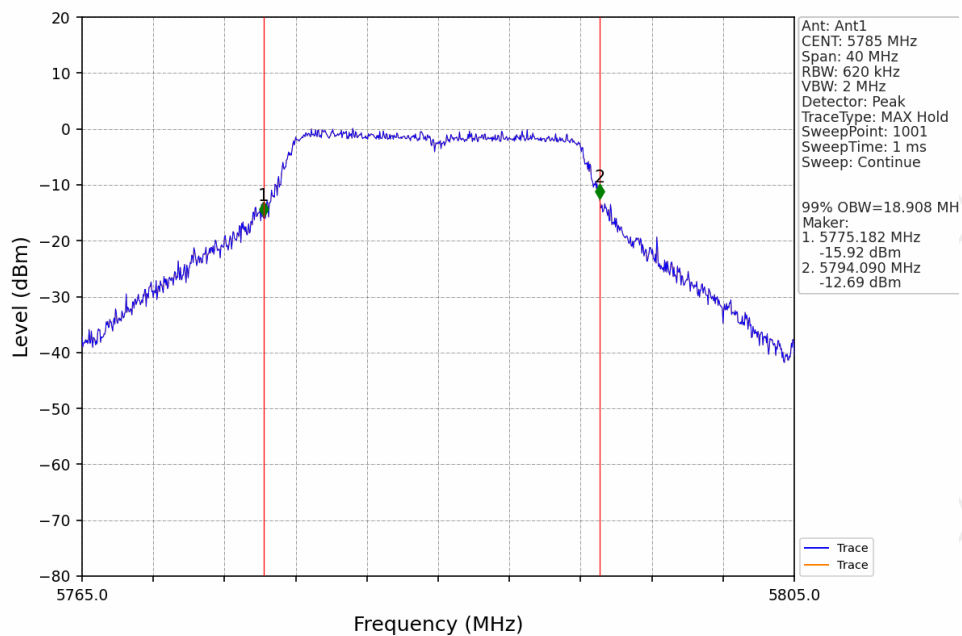
2.2 Test Graph

2.2.1 OBW

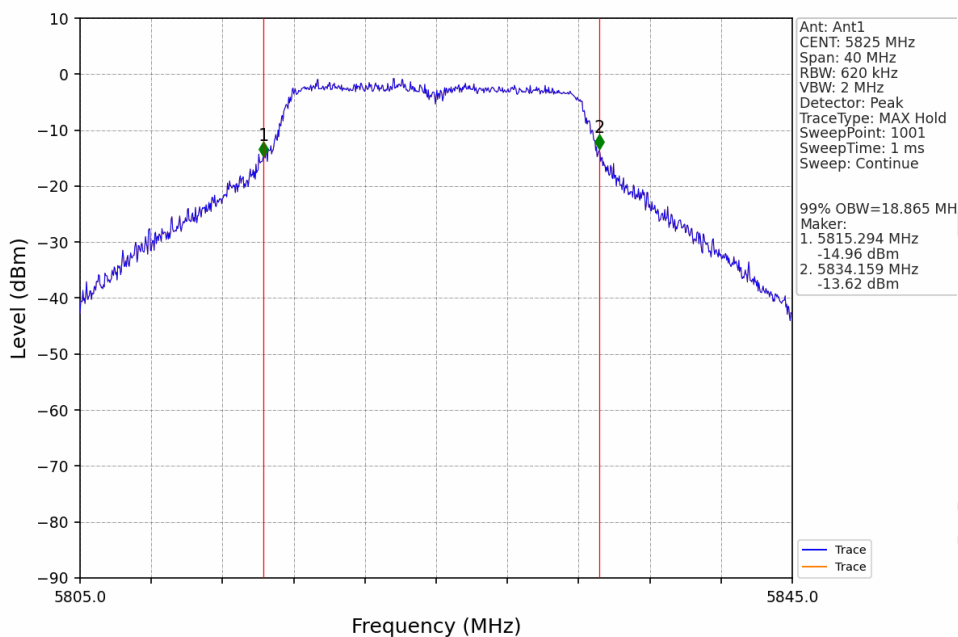
802.11a_LCH_5745MHz_Ant1_NTNV



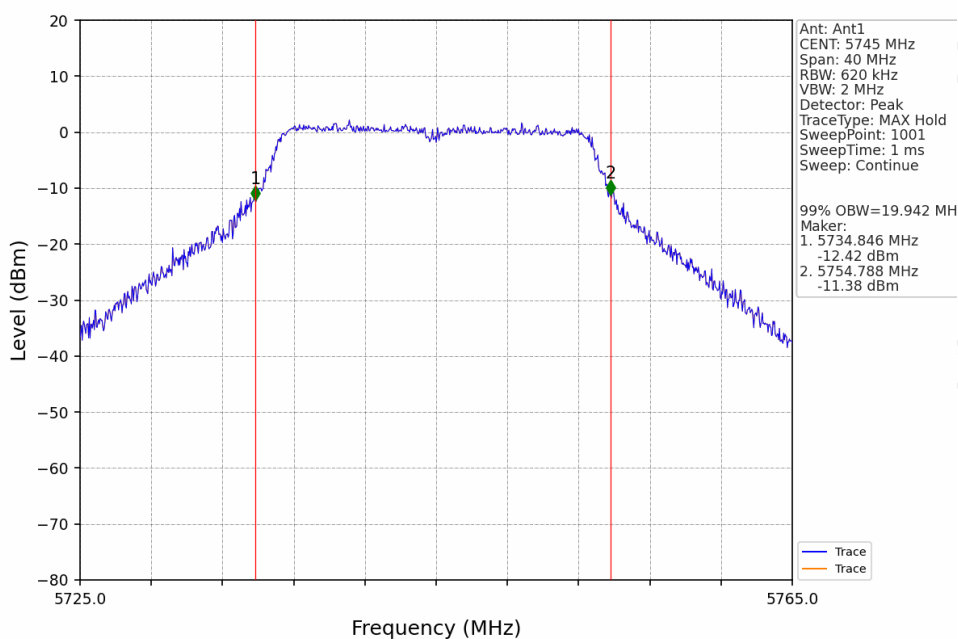
802.11a_MCH_5785MHz_Ant1_NTNV



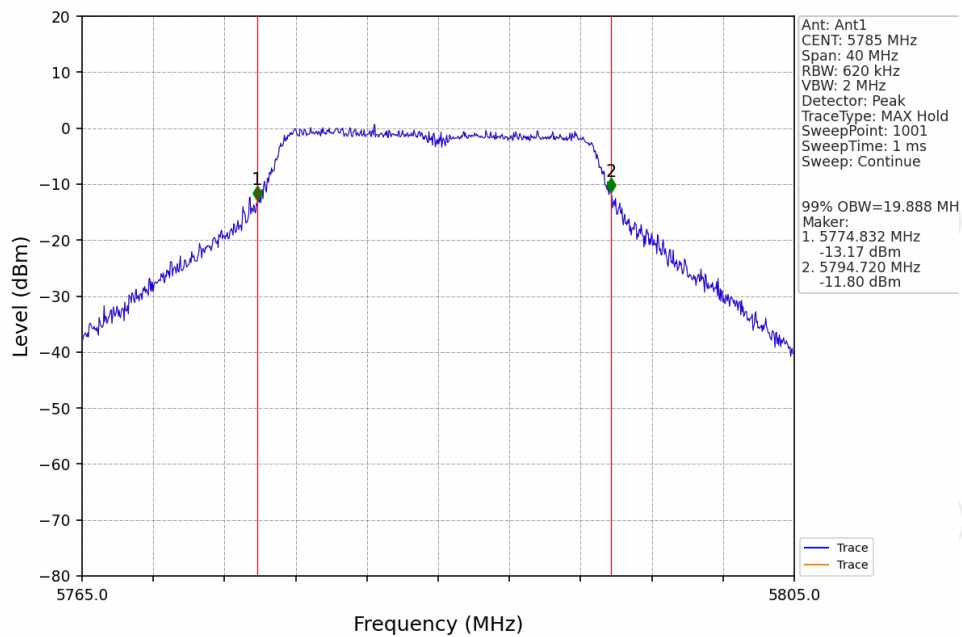
802.11a_HCH_5825MHz_Ant1_NTNV



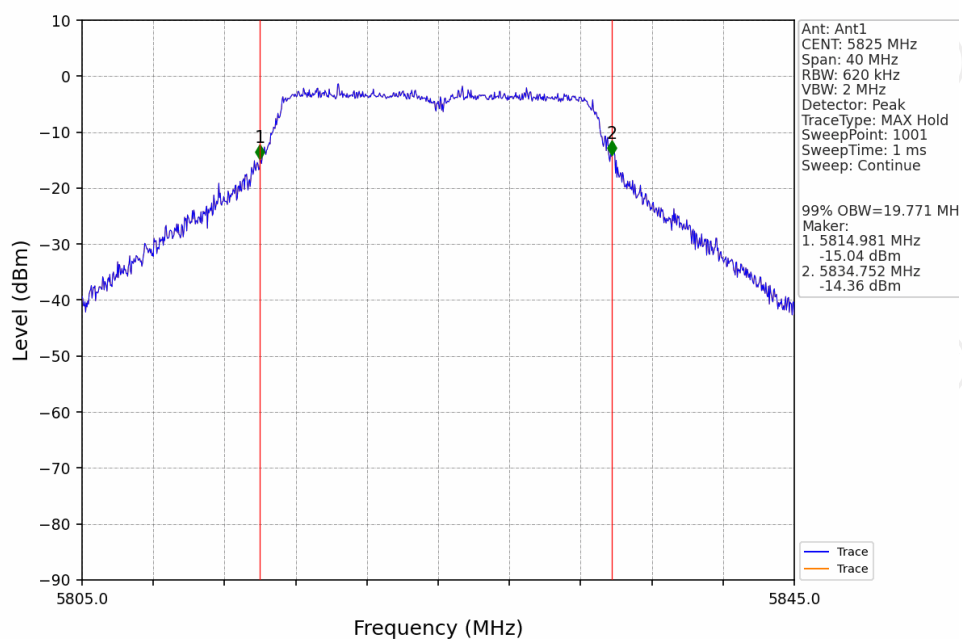
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



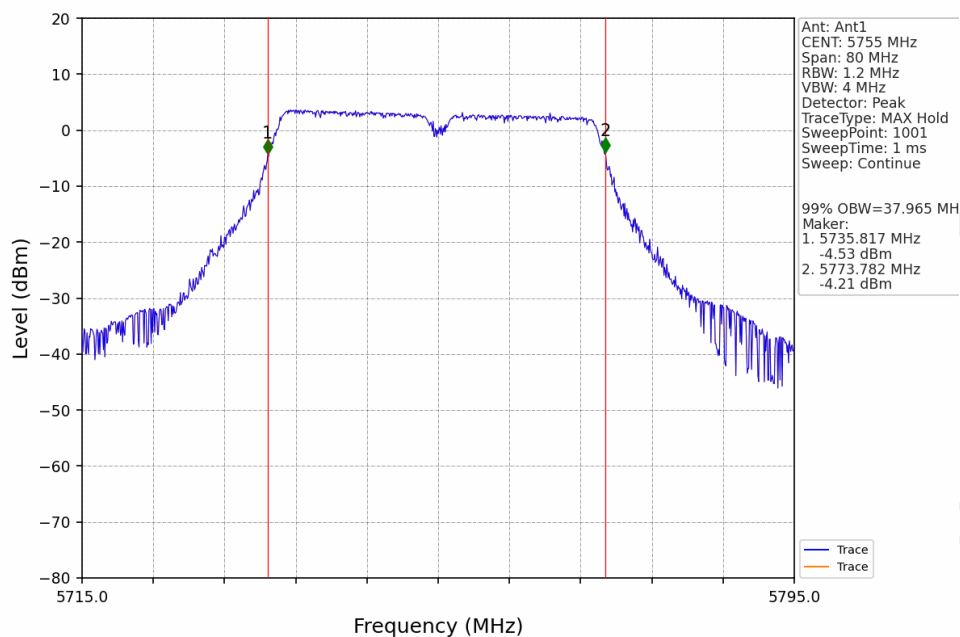
802.11n(HT20) MCH 5785MHz Ant1 NTN



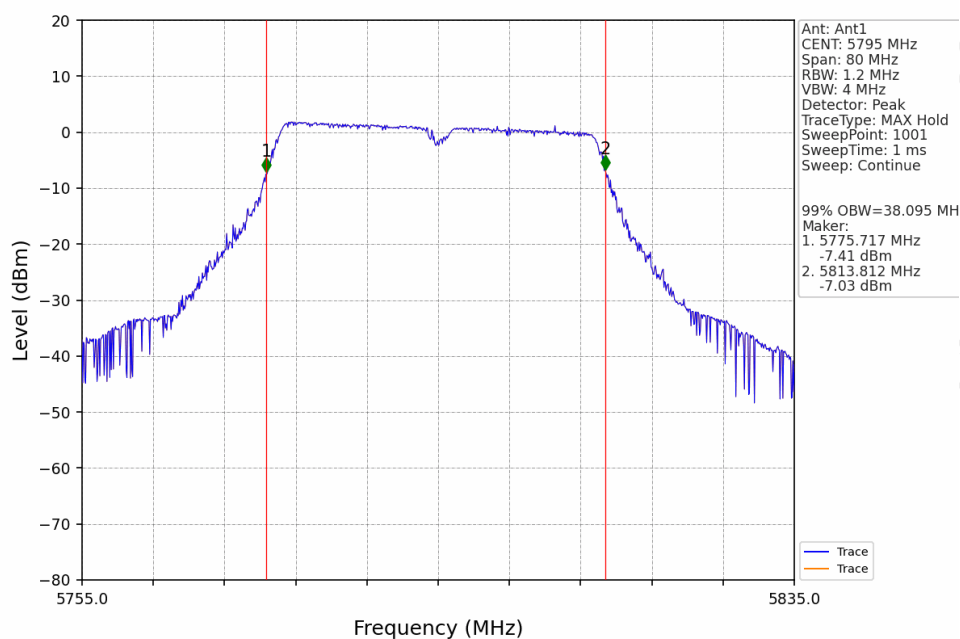
802.11n(HT20) HCH 5825MHz Ant1 NTN



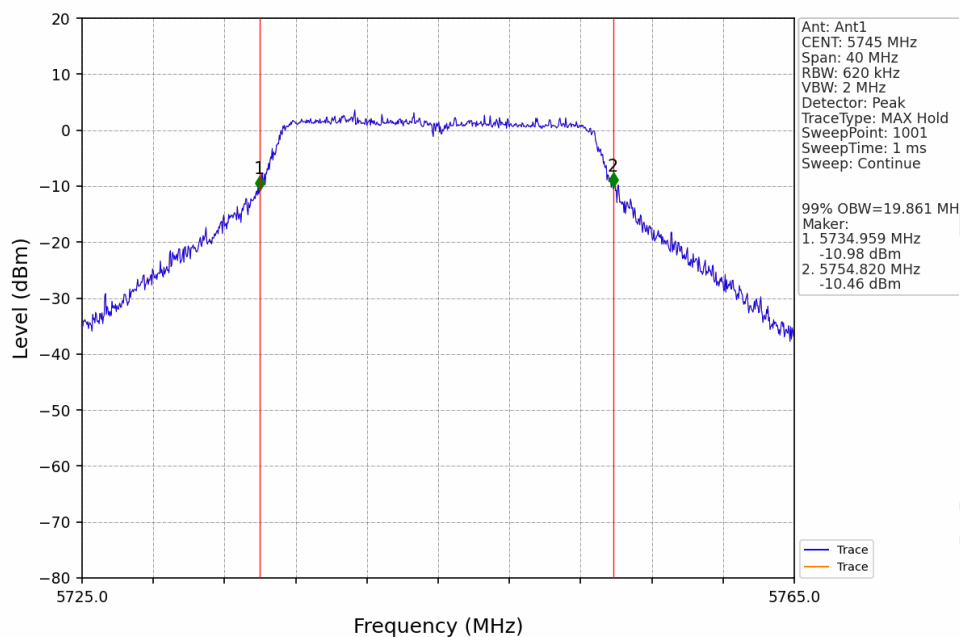
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



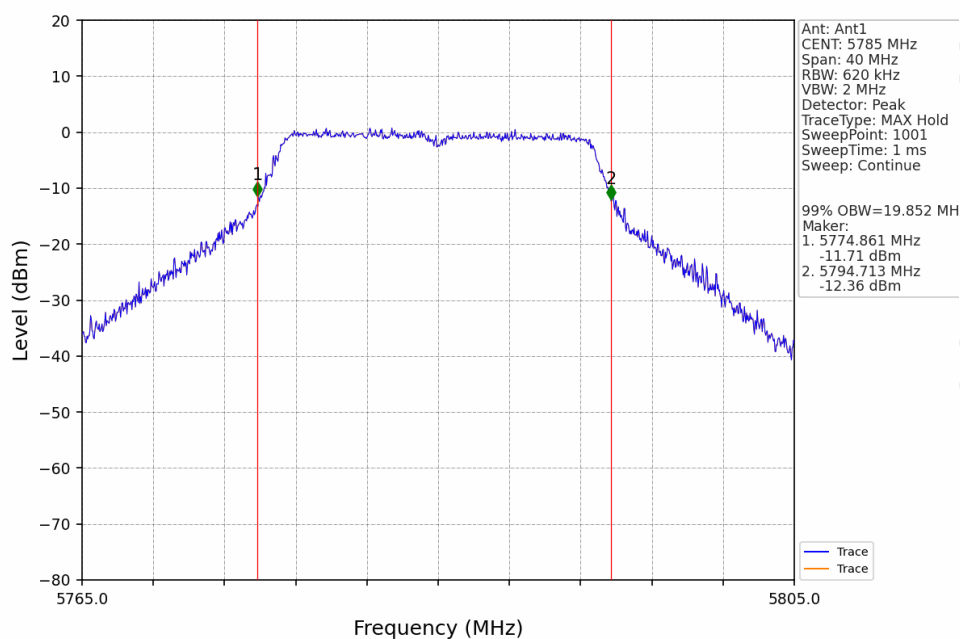
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



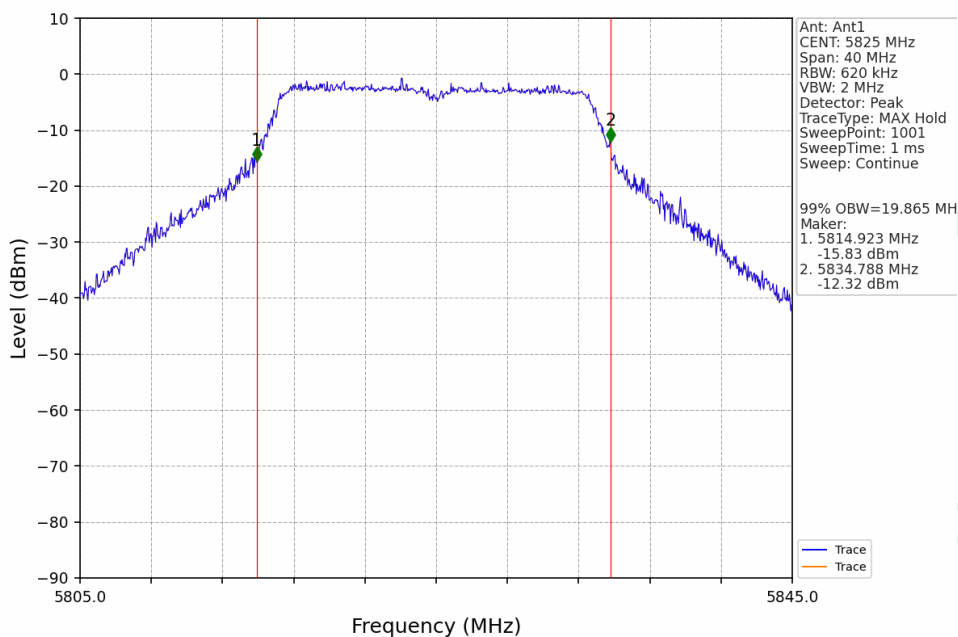
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



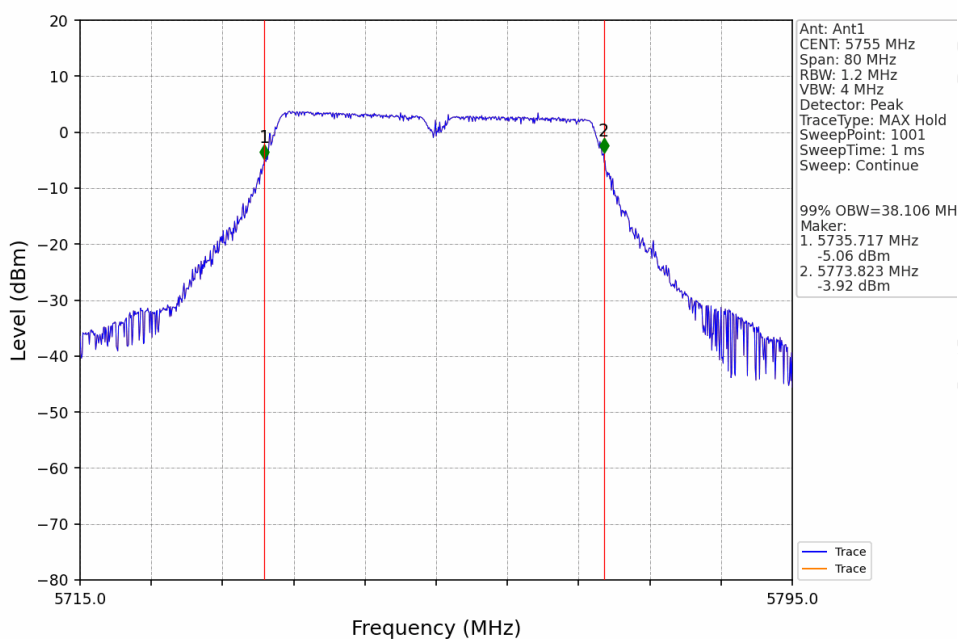
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



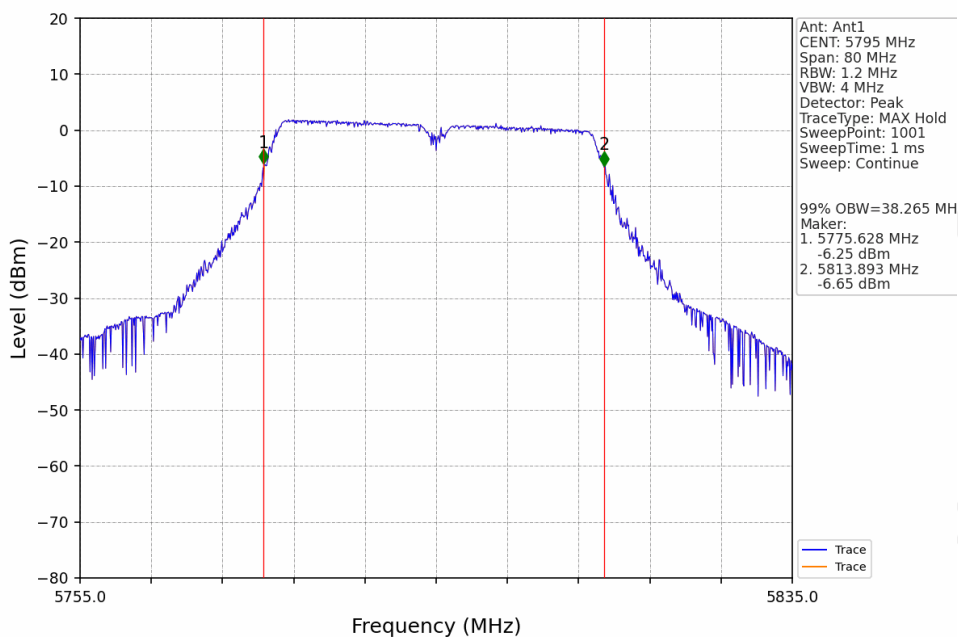
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



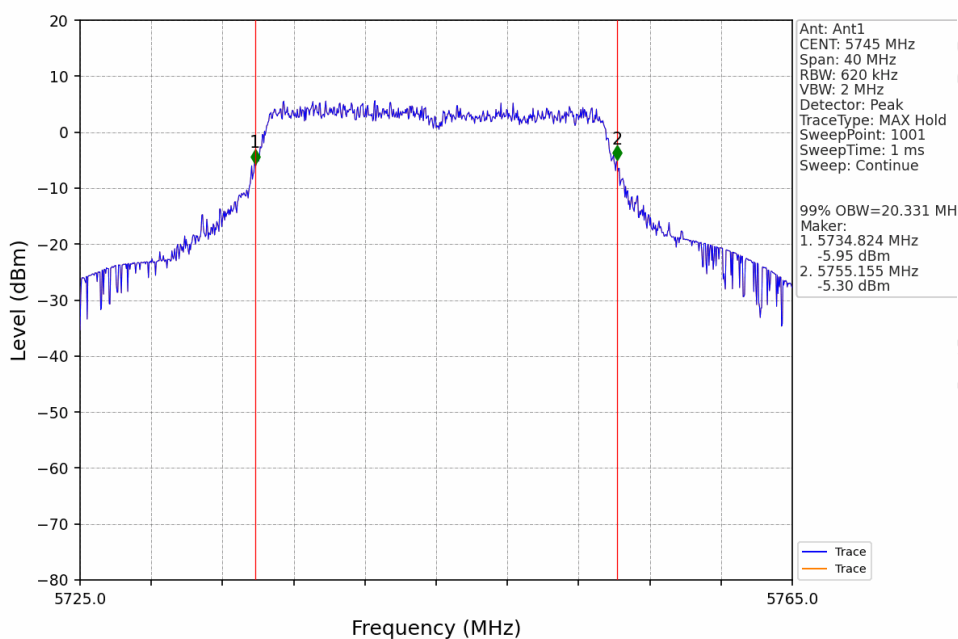
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



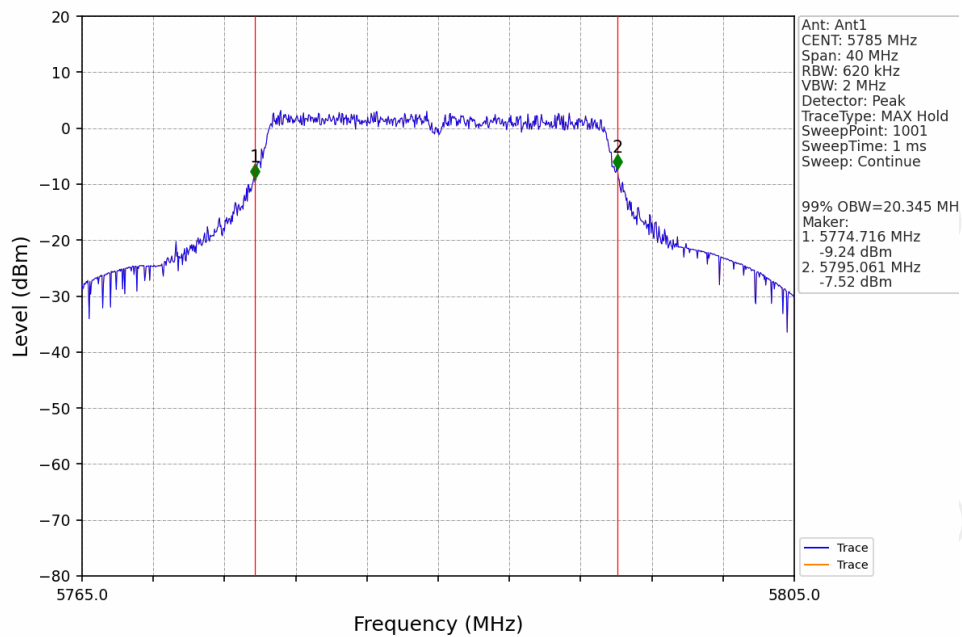
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



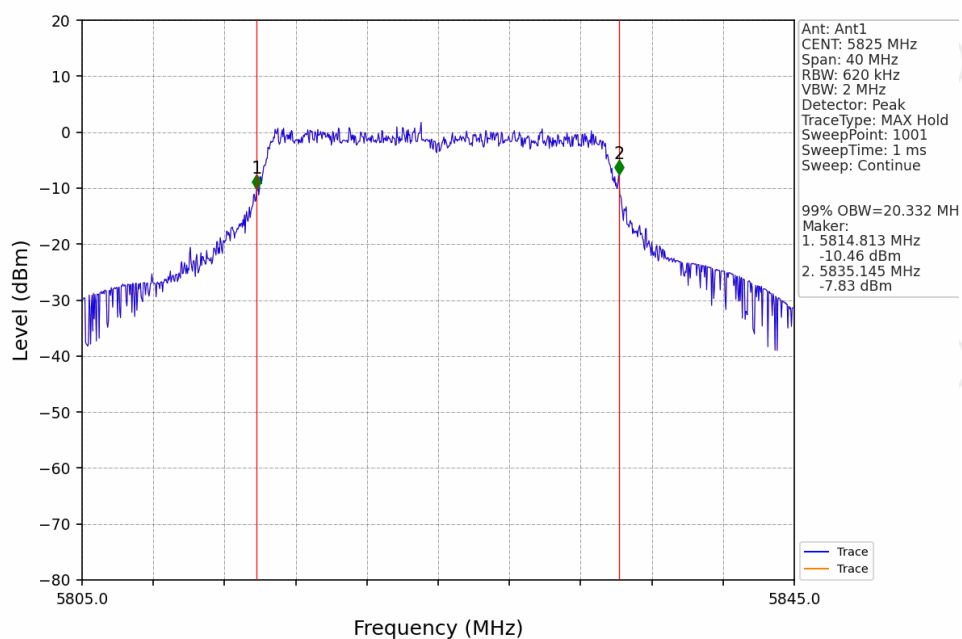
802.11ax(HE20)_LCH_5745MHz_SU_ / _Ant1_NTNV



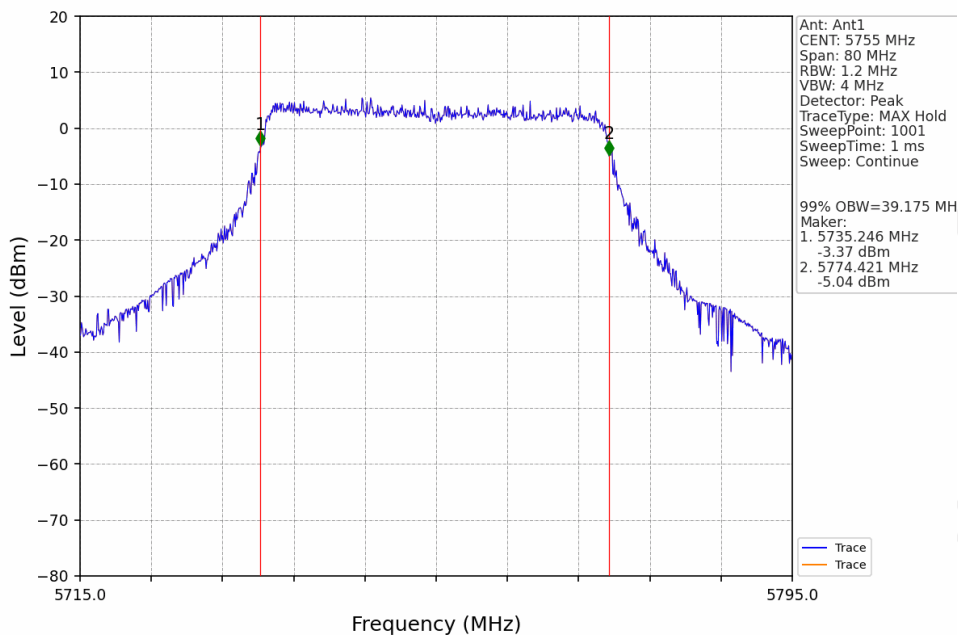
802.11ax(HE20)_MCH_5785MHz_SU_/_Ant1_NTNV



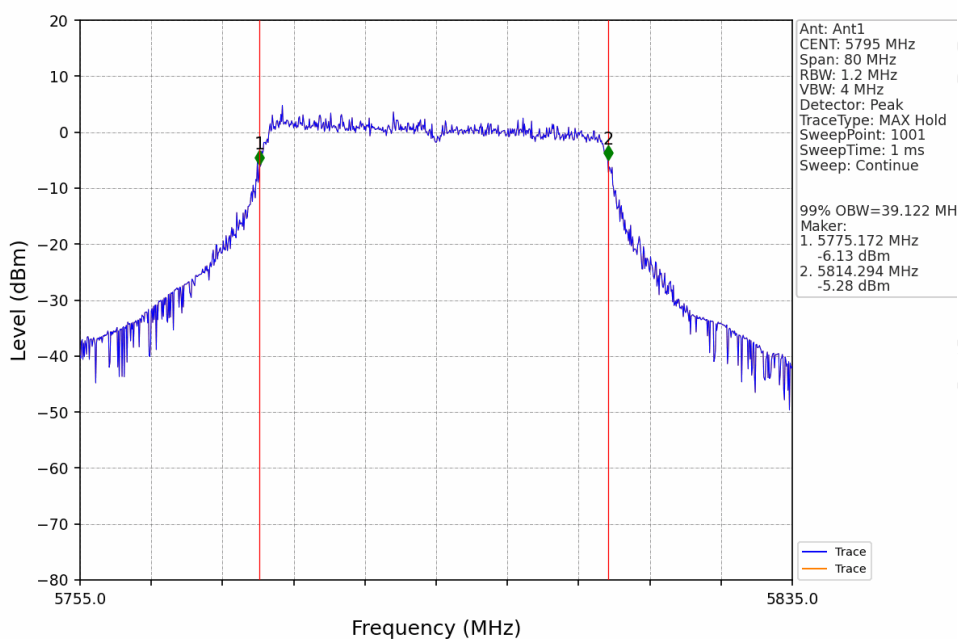
802.11ax(HE20)_HCH_5825MHz_SU_/_Ant1_NTNV



802.11ax(HE40) LCH 5755MHz SU / Ant1 NTN

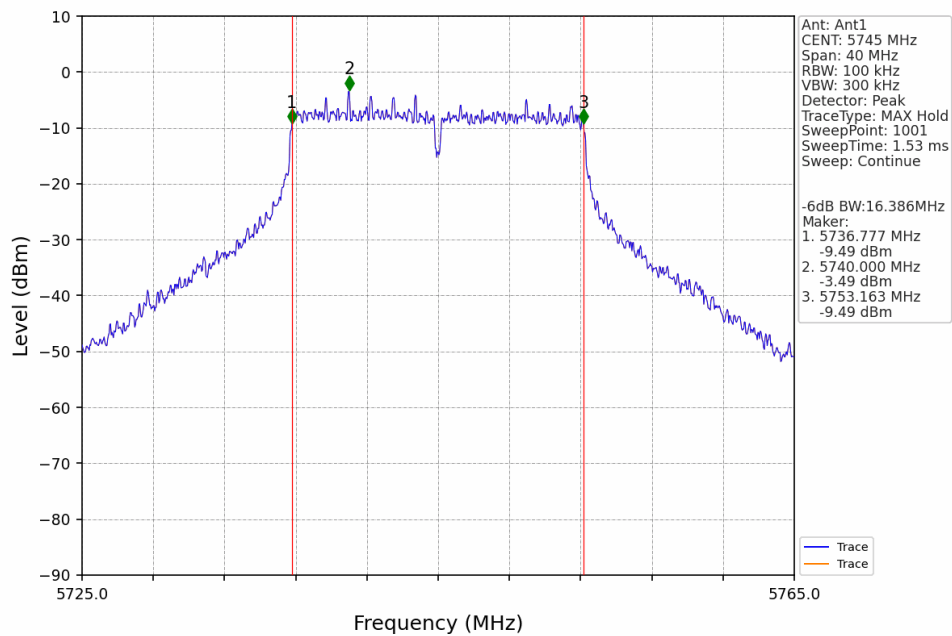


802.11ax(HE40) HCH 5795MHz SU / Ant1 NTN

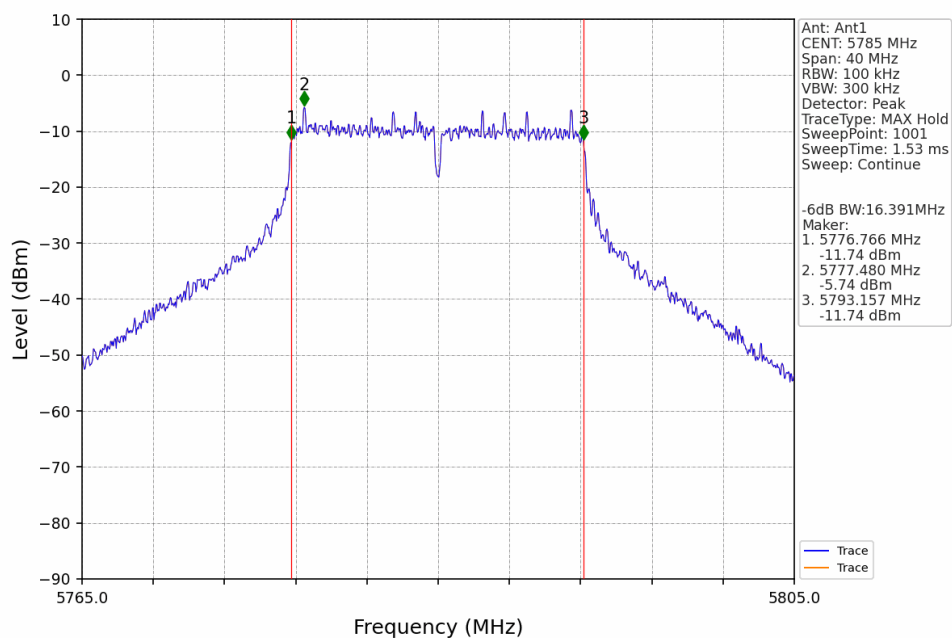


2.2.2 6dB BW

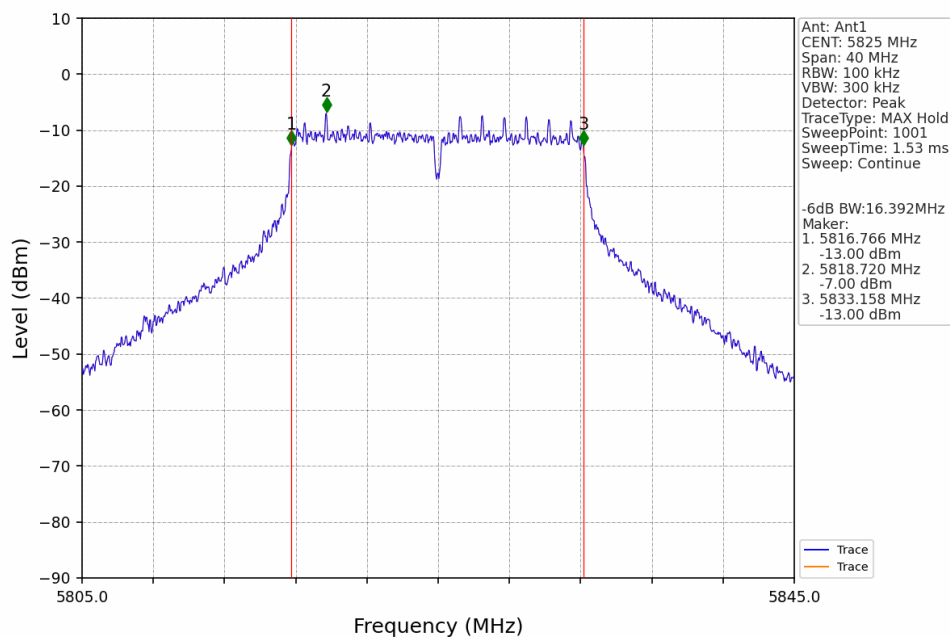
802.11a_LCH_5745MHz_Ant1_NTNV



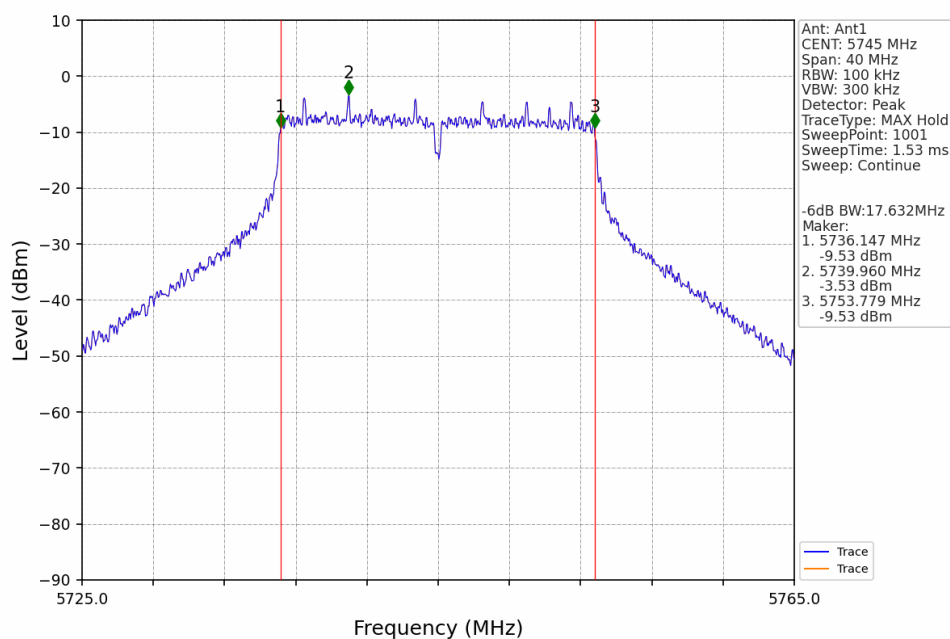
802.11a_MCH_5785MHz_Ant1_NTNV



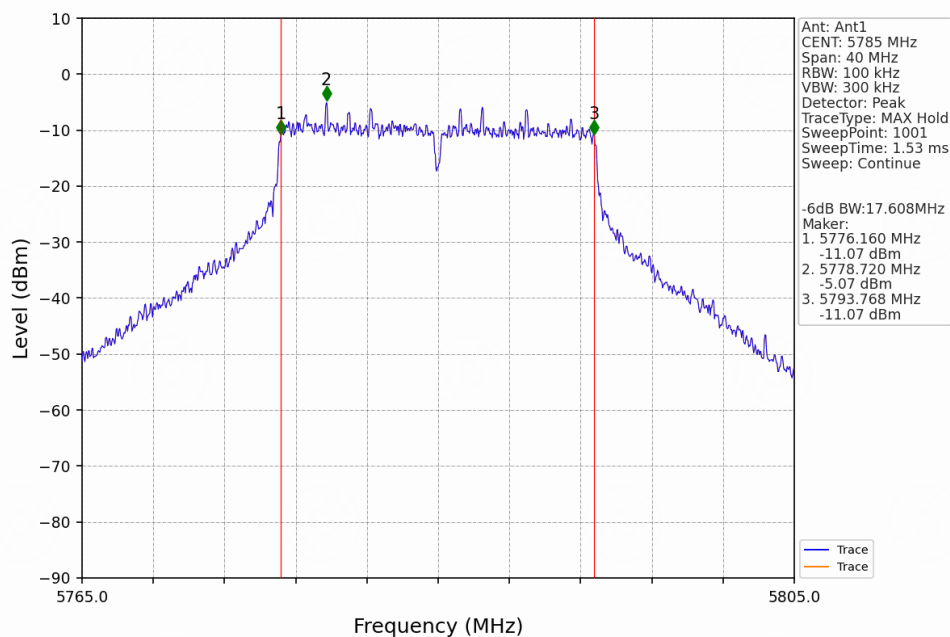
802.11a_HCH_5825MHz_Ant1_NTNV



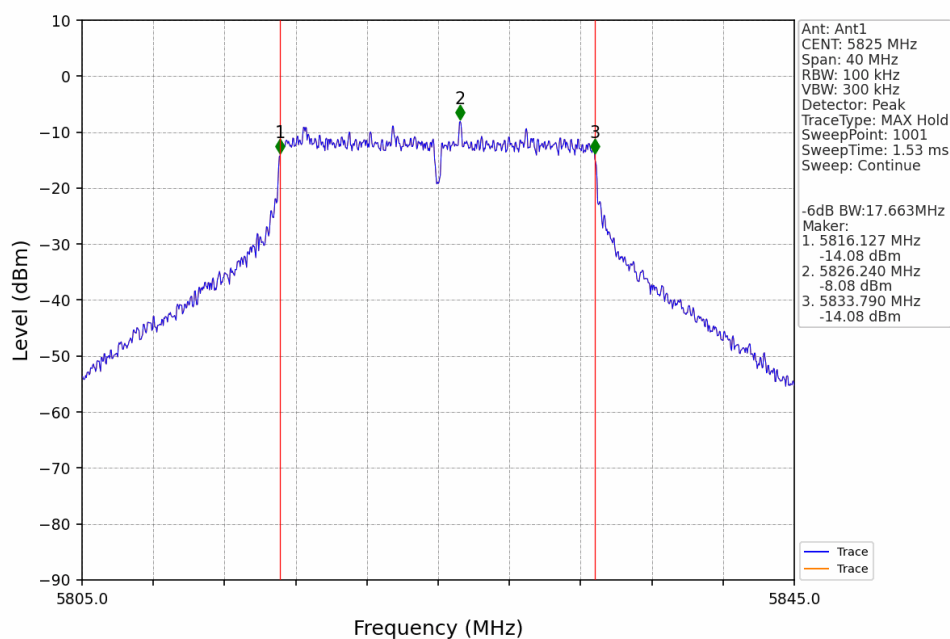
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



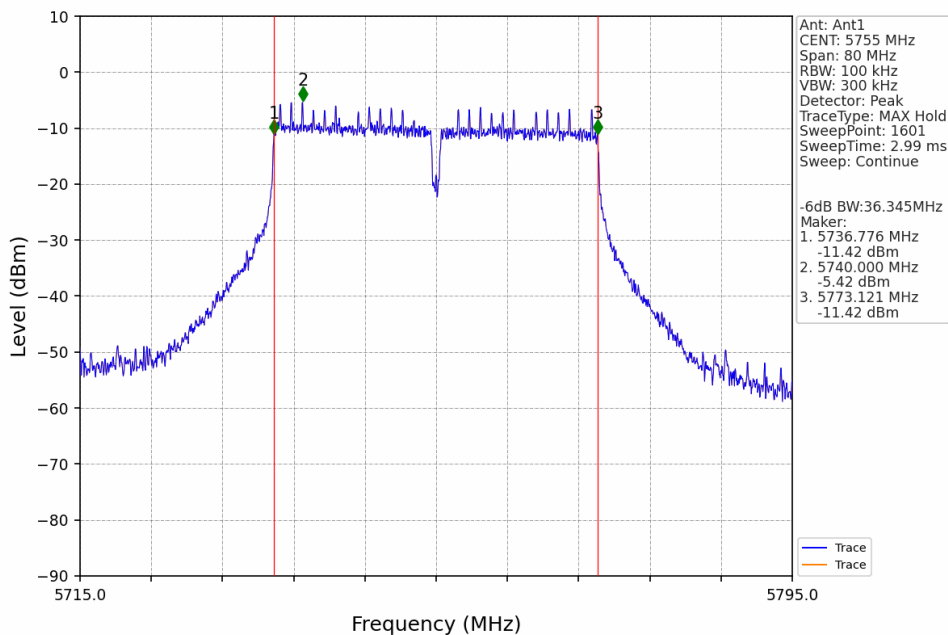
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



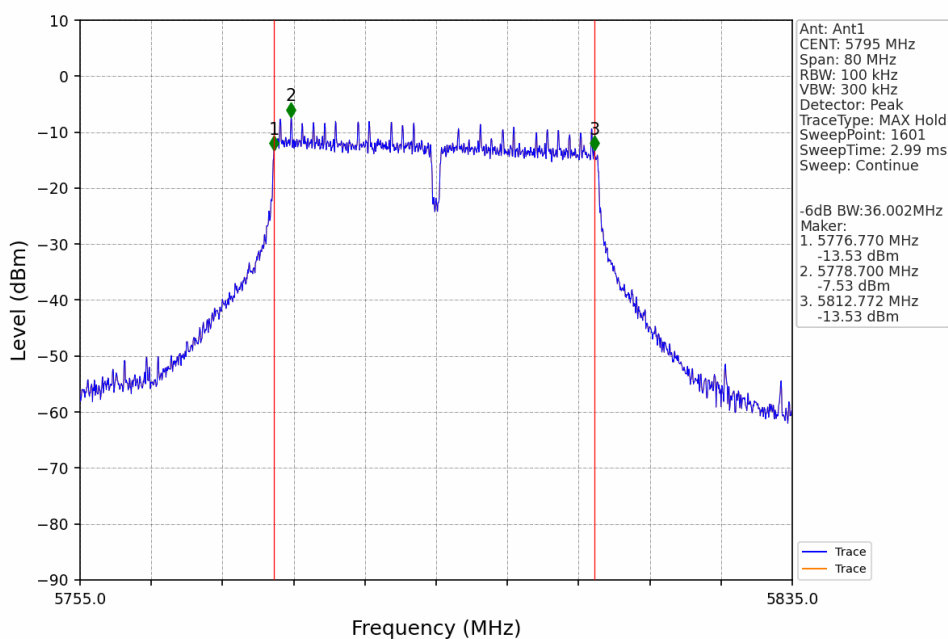
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



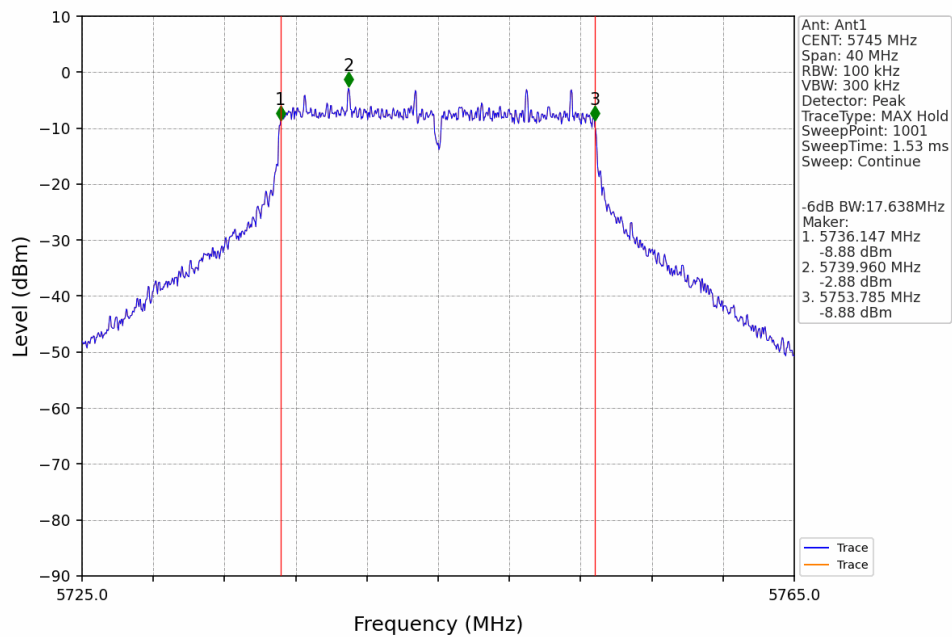
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



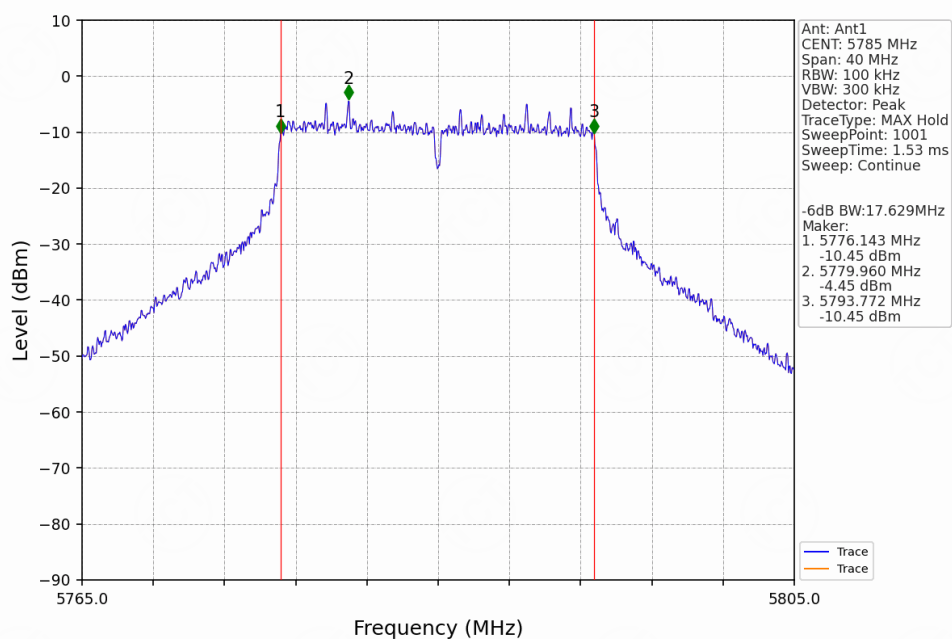
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



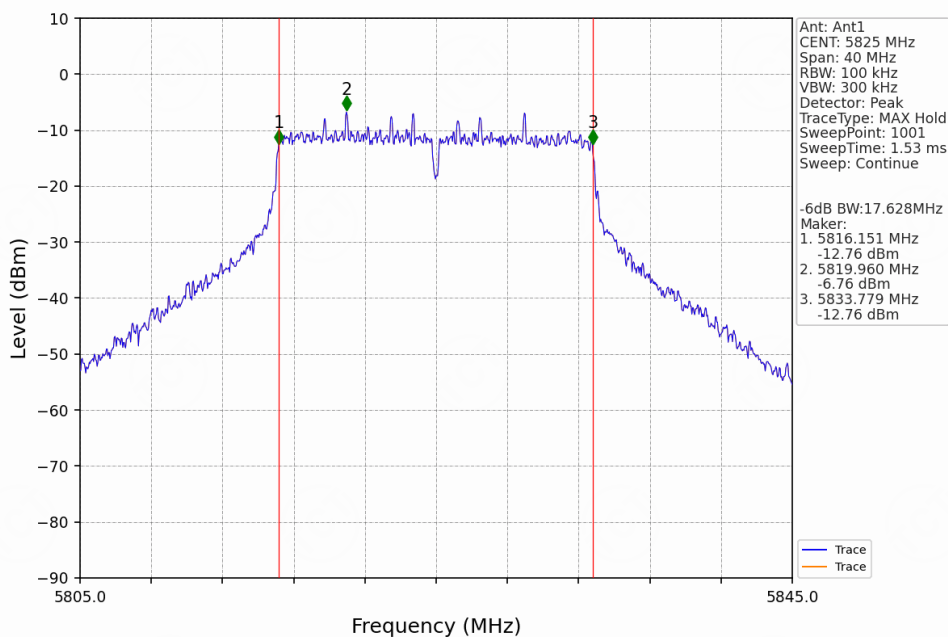
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



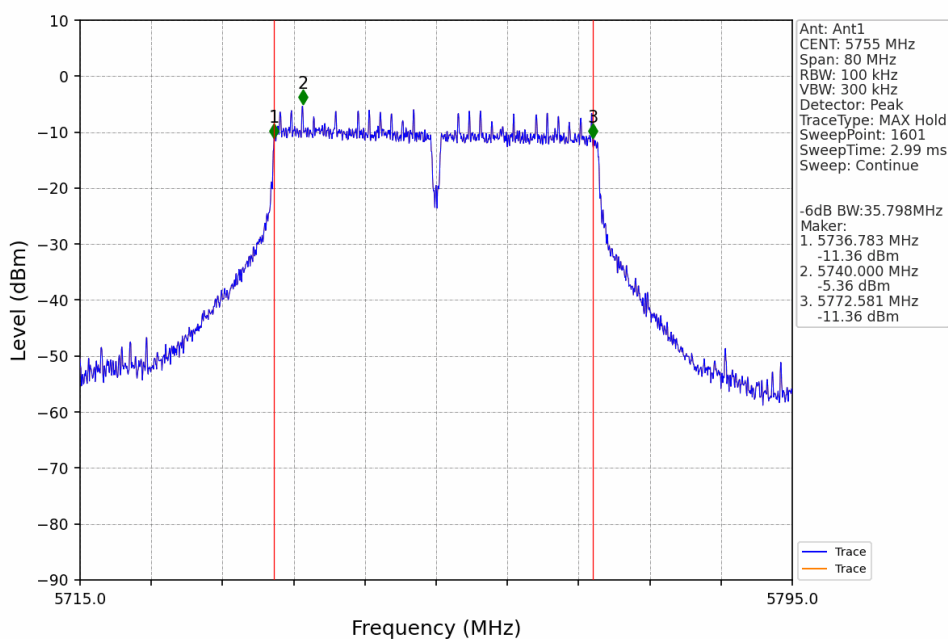
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



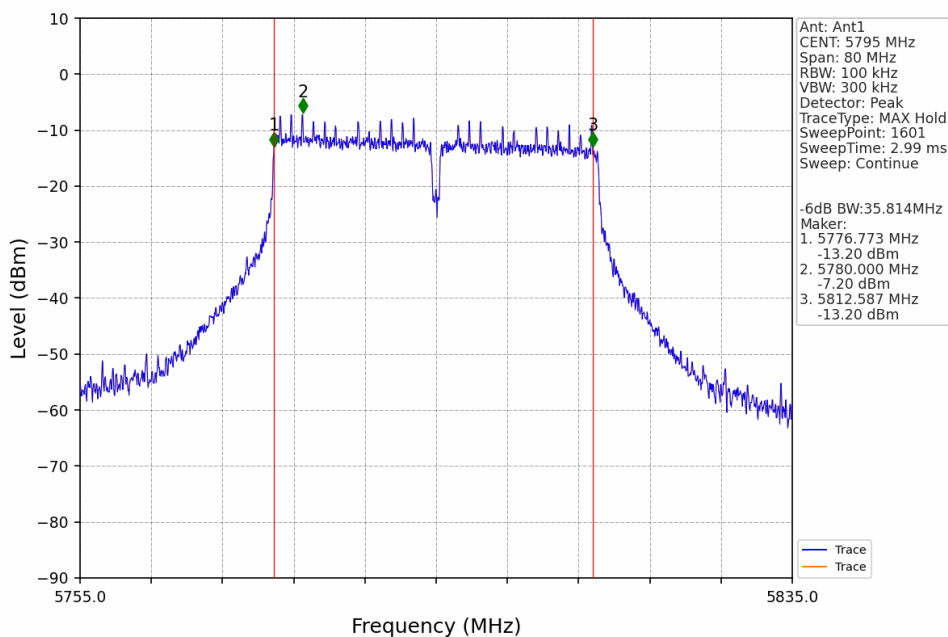
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



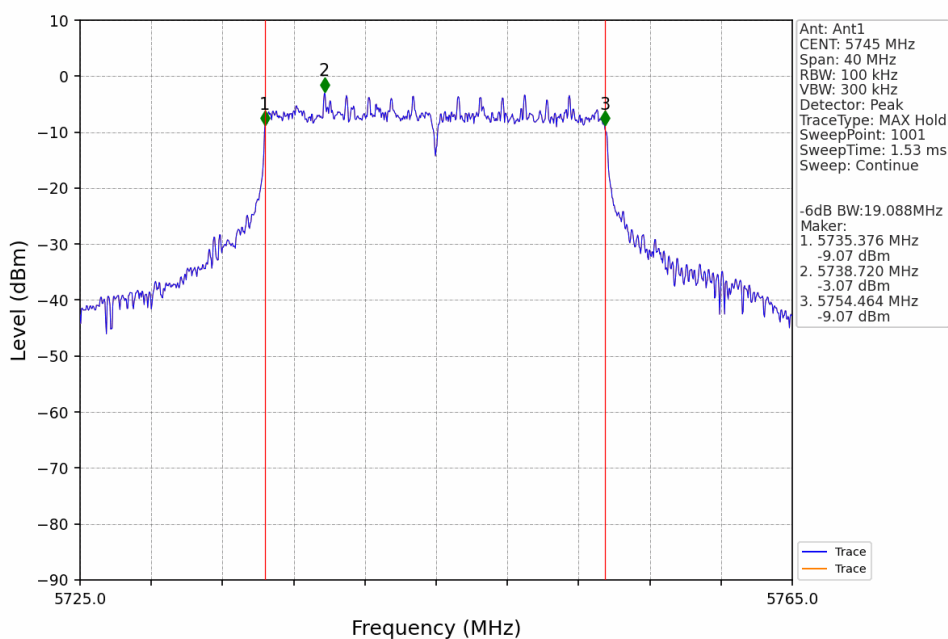
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



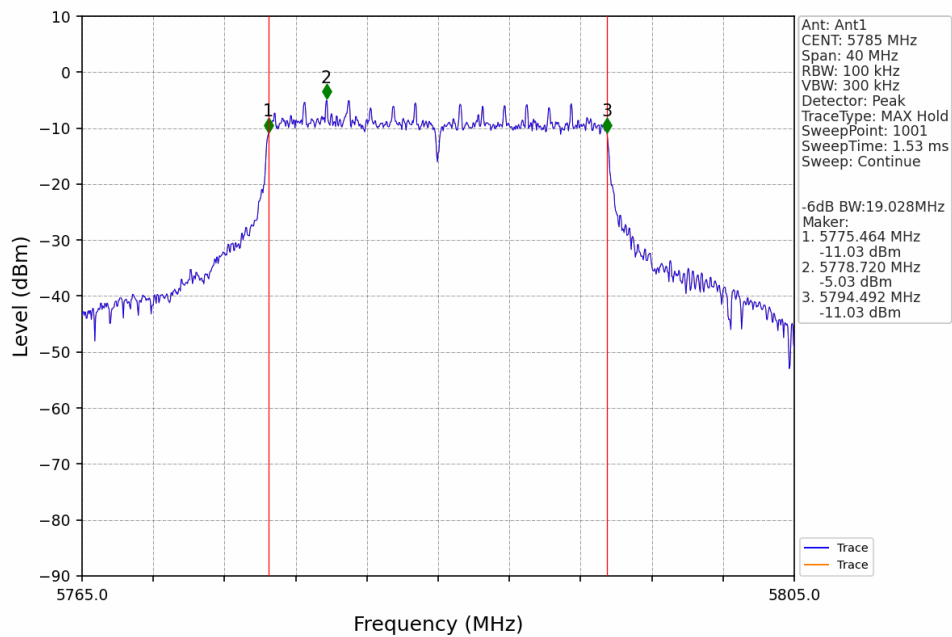
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



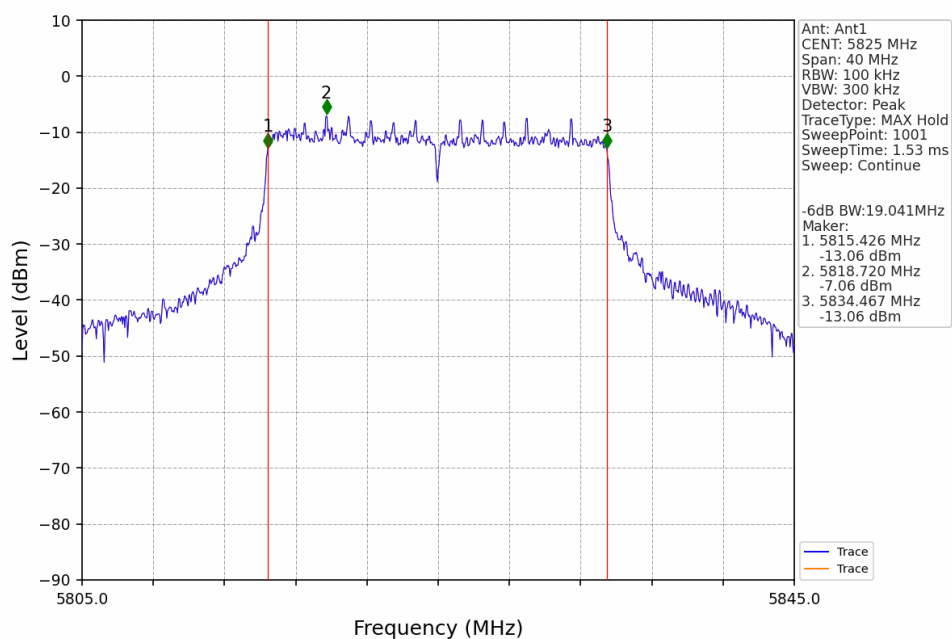
802.11ax(HE20)_LCH_5745MHz_SU_ / _Ant1_NTNV



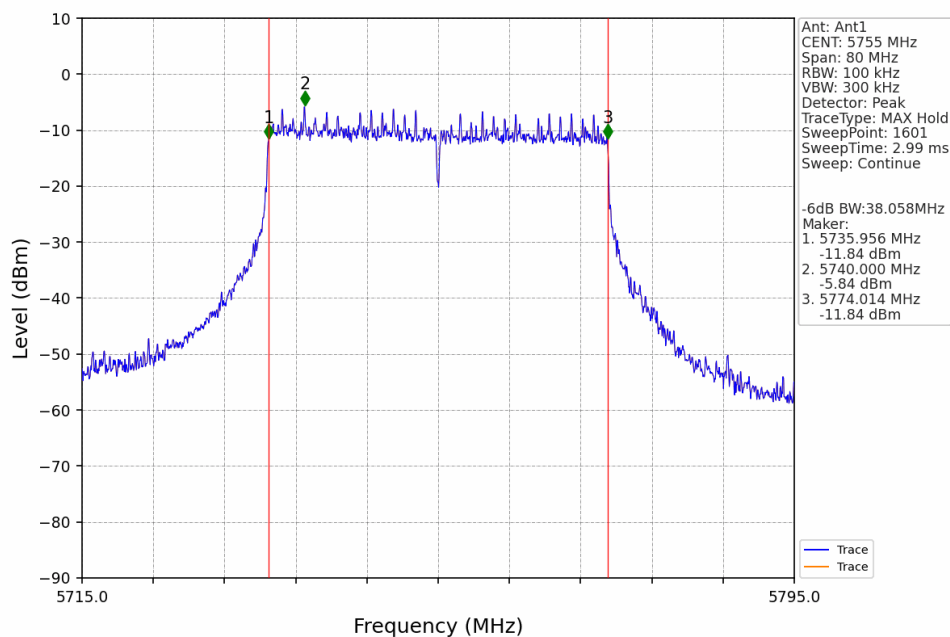
802.11ax(HE20)_MCH_5785MHz_SU_/_Ant1_NTNV



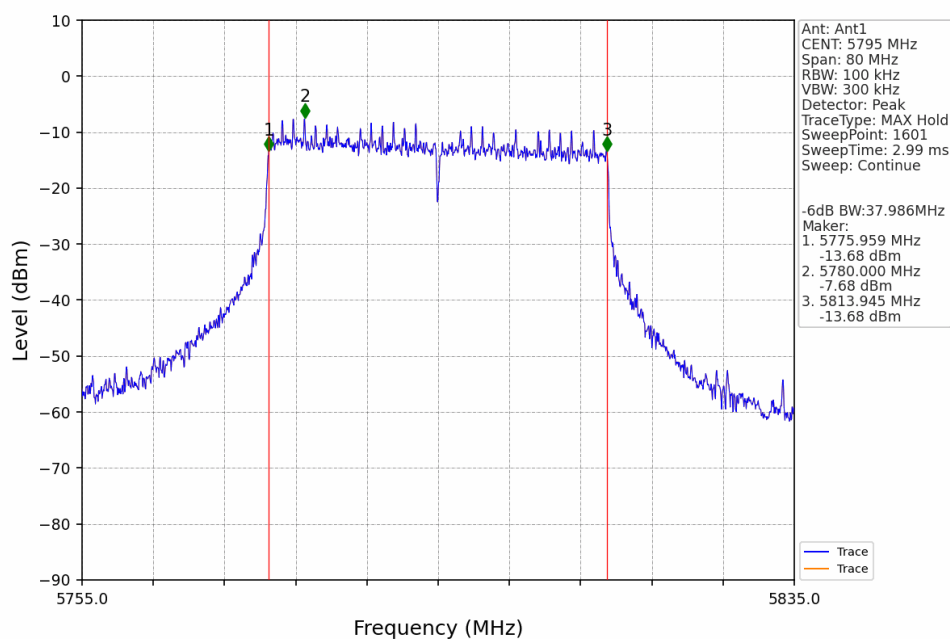
802.11ax(HE20)_HCH_5825MHz_SU_/_Ant1_NTNV



802.11ax(HE40) LCH 5755MHz SU / Ant1 NTN



802.11ax(HE40) HCH 5795MHz SU / Ant1 NTN



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	8.14	<=30	Pass
		5785	/	/	5.65	<=30	Pass
		5825	/	/	4.26	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	7.76	<=30	Pass
		5785	/	/	6.15	<=30	Pass
		5825	/	/	3.80	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	8.52	<=30	Pass
		5795	/	/	6.34	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	8.77	<=30	Pass
		5785	/	/	6.83	<=30	Pass
		5825	/	/	4.65	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	8.32	<=30	Pass
		5795	/	/	6.56	<=30	Pass
802.11ax (HE20)	SISO	5745	SU	/	8.37	<=30	Pass
		5785	SU	/	6.36	<=30	Pass
		5825	SU	/	4.36	<=30	Pass
802.11ax (HE40)	SISO	5755	SU	/	7.91	<=30	Pass
		5795	SU	/	6.00	<=30	Pass

Note1: Antenna Gain: Ant1: 4.14dBi;

Note2: Test result contains DCCF

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-6.47	<=30	Pass
		5785	/	/	-7.95	<=30	Pass
		5825	/	/	-9.53	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-6.50	<=30	Pass
		5785	/	/	-7.67	<=30	Pass
		5825	/	/	-10.36	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-8.64	<=30	Pass
		5795	/	/	-10.57	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-5.30	<=30	Pass
		5785	/	/	-7.50	<=30	Pass
		5825	/	/	-9.64	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-8.28	<=30	Pass
		5795	/	/	-10.41	<=30	Pass
802.11ax (HE20)	SISO	5745	SU	/	-7.10	<=30	Pass
		5785	SU	/	-7.61	<=30	Pass
		5825	SU	/	-10.12	<=30	Pass
802.11ax (HE40)	SISO	5755	SU	/	-8.71	<=30	Pass
		5795	SU	/	-10.99	<=30	Pass

Note1: Antenna Gain: Ant1: 4.14dBi;

Note2: Test result contains DCCF and RBW Factor= $10 \cdot \log(500\text{kHz}/300\text{kHz})=2.22$