

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	5180	/	/	1	17.713	/	Pass
		5200	/	/	1	17.703	/	Pass
		5240	/	/	1	17.685	/	Pass
		5745	/	/	1	17.726	/	Pass
		5785	/	/	1	17.939	/	Pass
		5825	/	/	1	18.090	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	18.523	/	Pass
		5200	/	/	1	18.768	/	Pass
		5240	/	/	1	18.638	/	Pass
		5745	/	/	1	19.036	/	Pass
		5785	/	/	1	19.012	/	Pass
		5825	/	/	1	19.006	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	36.981	/	Pass
		5230	/	/	1	36.919	/	Pass
		5755	/	/	1	37.169	/	Pass
		5795	/	/	1	37.257	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	18.695	/	Pass
		5200	/	/	1	18.569	/	Pass
		5240	/	/	1	18.673	/	Pass
		5745	/	/	1	19.072	/	Pass
		5785	/	/	1	18.979	/	Pass
		5825	/	/	1	19.145	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.948	/	Pass
		5230	/	/	1	36.902	/	Pass
		5755	/	/	1	37.273	/	Pass
		5795	/	/	1	37.142	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	76.317	/	Pass
		5775	/	/	1	76.611	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.246	/	Pass
		5200	SU	/	1	19.249	/	Pass
		5240	SU	/	1	19.227	/	Pass
		5745	SU	/	1	19.362	/	Pass
		5785	SU	/	1	19.429	/	Pass
		5825	SU	/	1	19.467	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	38.042	/	Pass
		5230	SU	/	1	38.276	/	Pass
		5755	SU	/	1	38.384	/	Pass
		5795	SU	/	1	38.380	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	77.744	/	Pass
		5775	SU	/	1	78.006	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	25.759	/	Pass
		5200	/	/	1	26.730	/	Pass
		5240	/	/	1	26.439	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	28.283	/	Pass
		5200	/	/	1	26.262	/	Pass

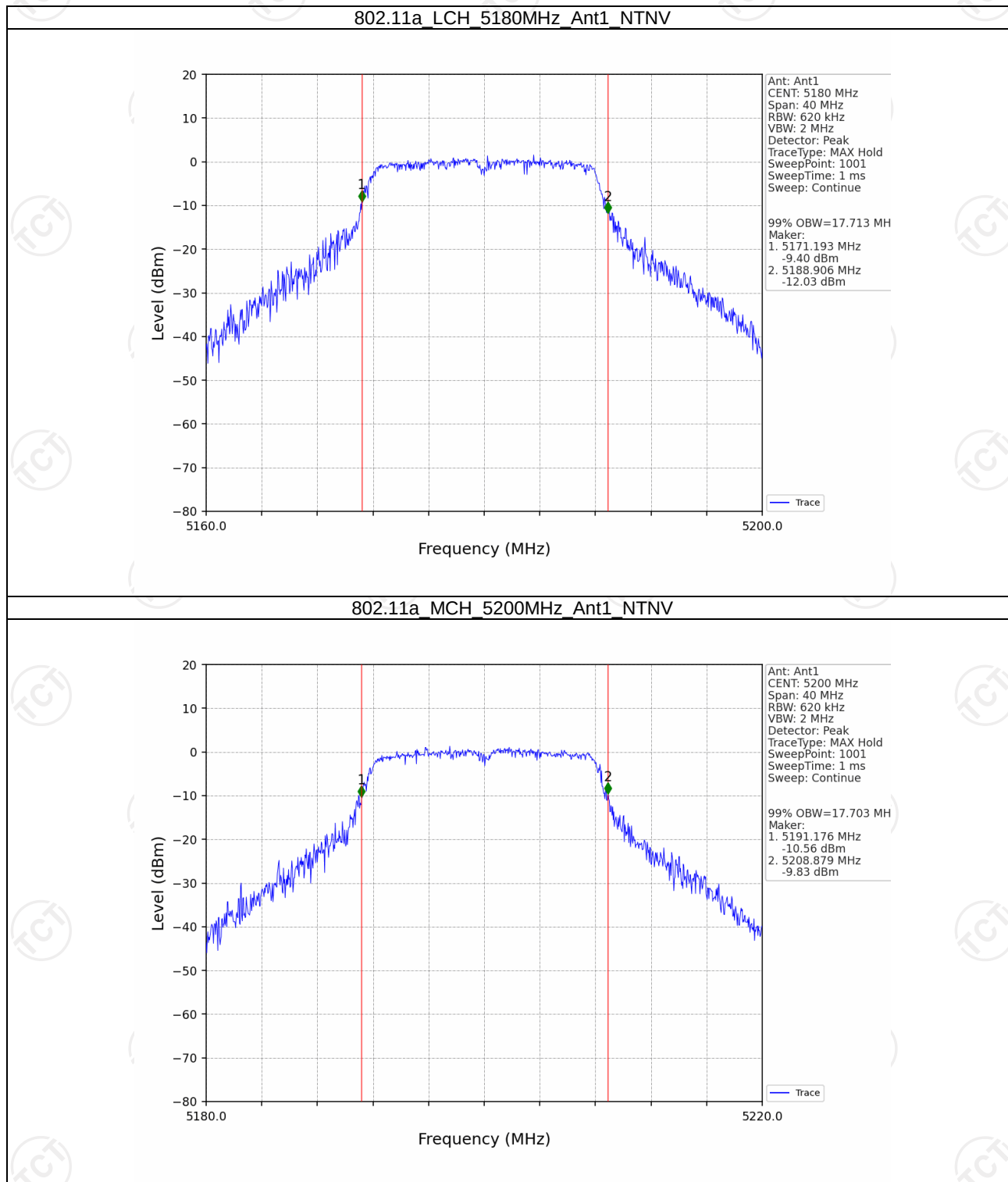
		5240	/	/	1	25.993	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	46.492	/	Pass
		5230	/	/	1	46.124	/	Pass
		5180	/	/	1	27.534	/	Pass
802.11ac (VHT20)	SISO	5200	/	/	1	26.896	/	Pass
		5240	/	/	1	27.718	/	Pass
		5190	/	/	1	46.440	/	Pass
802.11ac (VHT40)	SISO	5230	/	/	1	44.844	/	Pass
		5210	/	/	1	90.924	/	Pass
802.11ac (VHT80)	SISO	5180	SU	/	1	28.165	/	Pass
		5200	SU	/	1	27.989	/	Pass
		5240	SU	/	1	24.091	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	44.462	/	Pass
		5230	SU	/	1	43.717	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	84.935	/	Pass

2.1.3 6dB BW

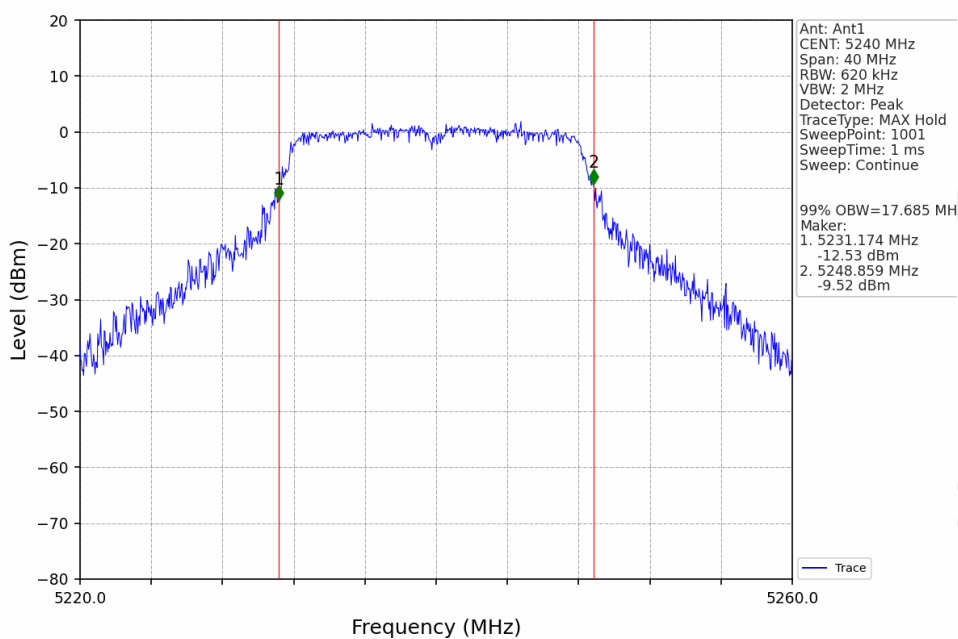
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.404	>=0.5	Pass
		5785	/	/	1	16.412	>=0.5	Pass
		5825	/	/	1	16.561	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.628	>=0.5	Pass
		5785	/	/	1	17.638	>=0.5	Pass
		5825	/	/	1	17.659	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.530	>=0.5	Pass
		5795	/	/	1	36.308	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.652	>=0.5	Pass
		5785	/	/	1	17.670	>=0.5	Pass
		5825	/	/	1	17.709	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.557	>=0.5	Pass
		5795	/	/	1	36.391	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	75.995	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	19.091	>=0.5	Pass
		5785	SU	/	1	18.280	>=0.5	Pass
		5825	SU	/	1	19.185	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	37.518	>=0.5	Pass
		5795	SU	/	1	38.118	>=0.5	Pass
802.11ax (HEW80)	SISO	5775	SU	/	1	77.766	>=0.5	Pass

2.2 Test Graph

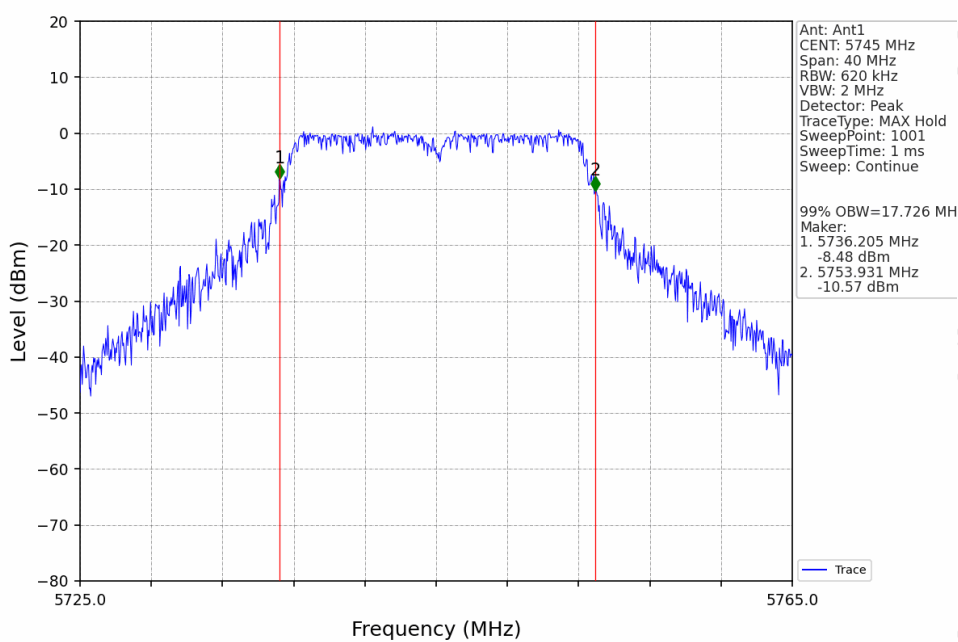
2.2.1 OBW



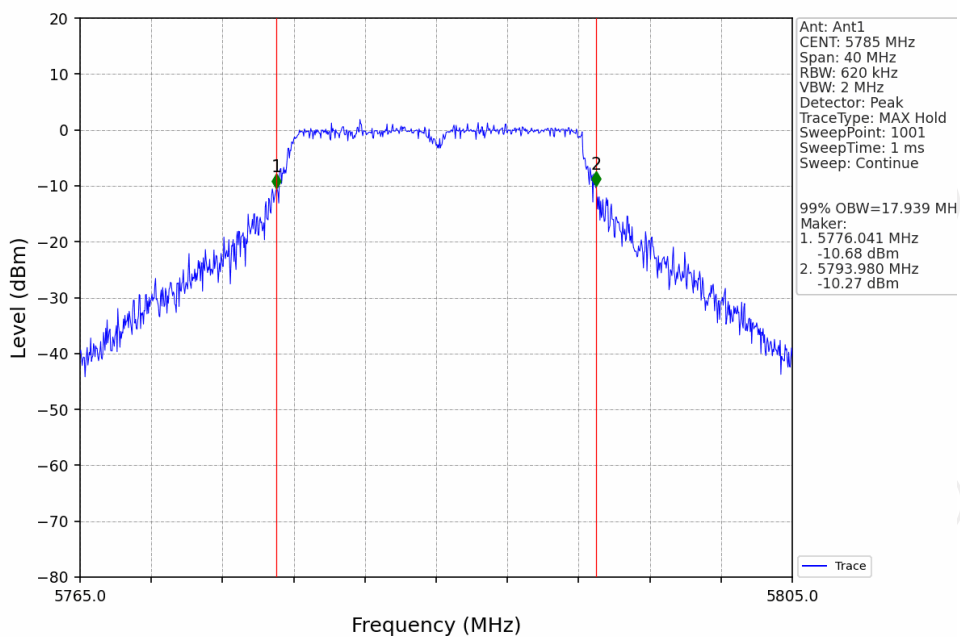
802.11a HCH 5240MHz Ant1 NTNV



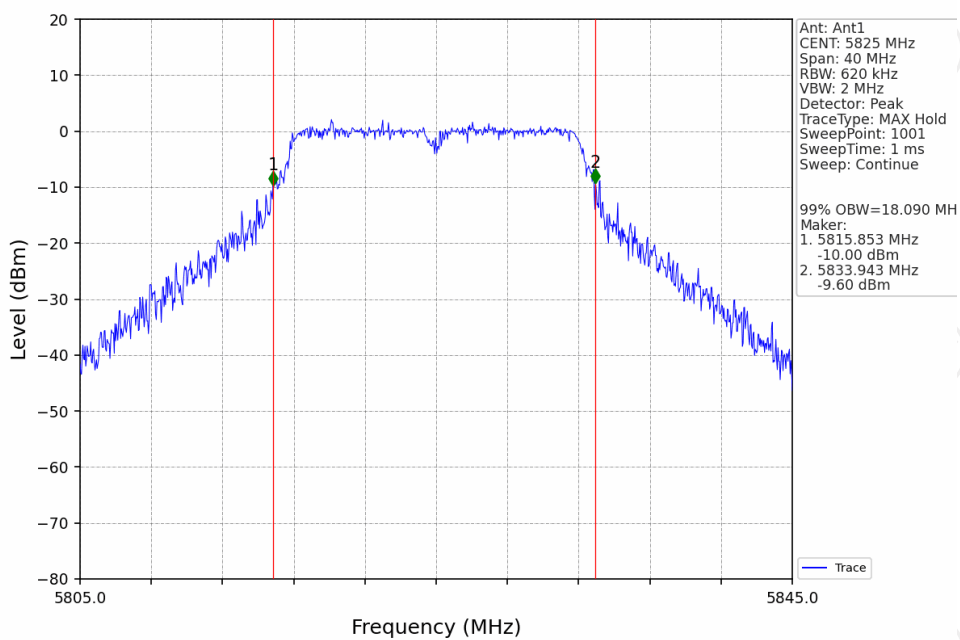
802.11a LCH 5745MHz Ant1 NTNV



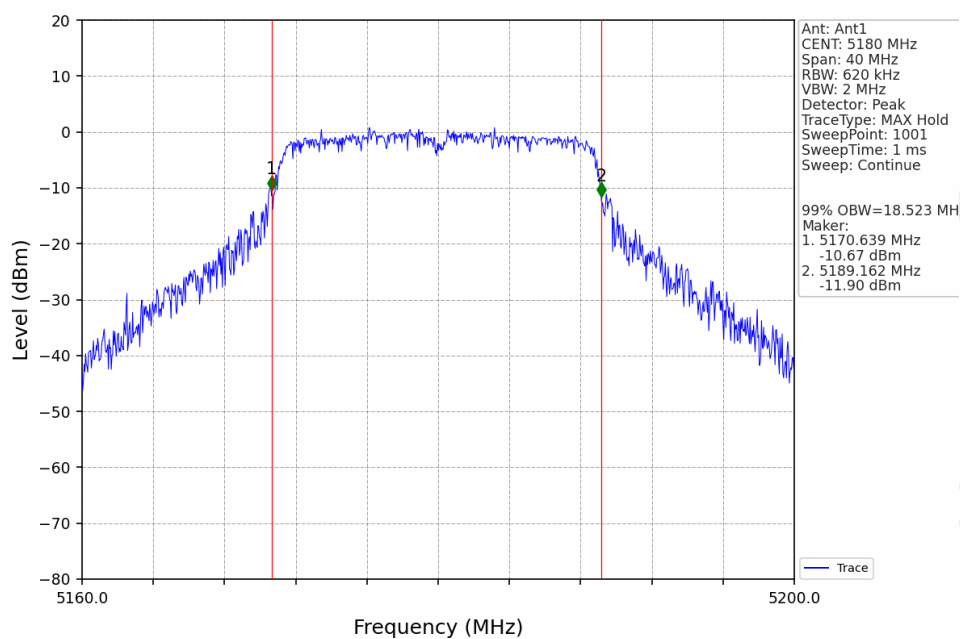
802.11a MCH 5785MHz Ant1 NTNV



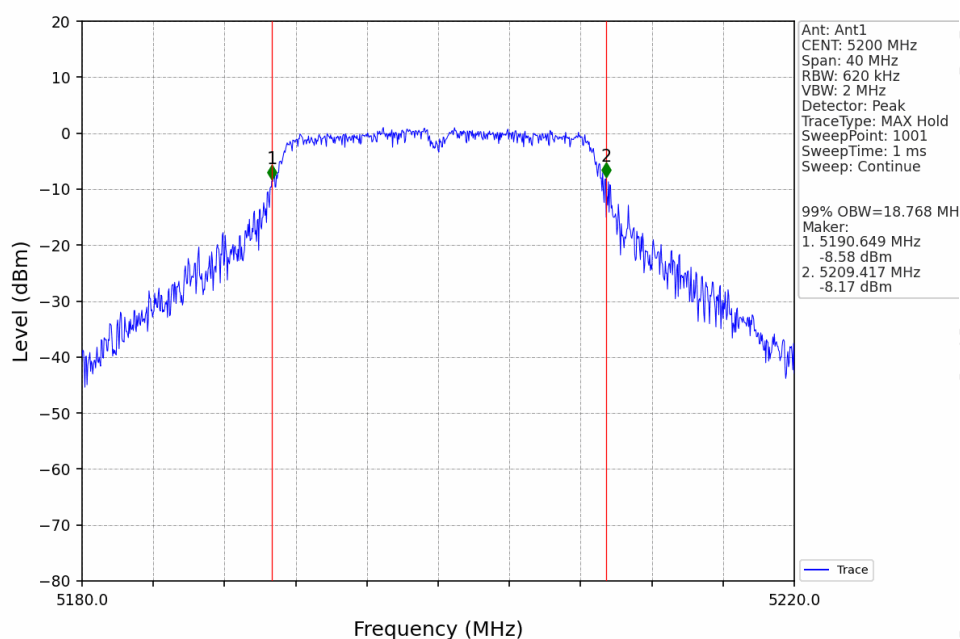
802.11a HCH 5825MHz Ant1 NTNV



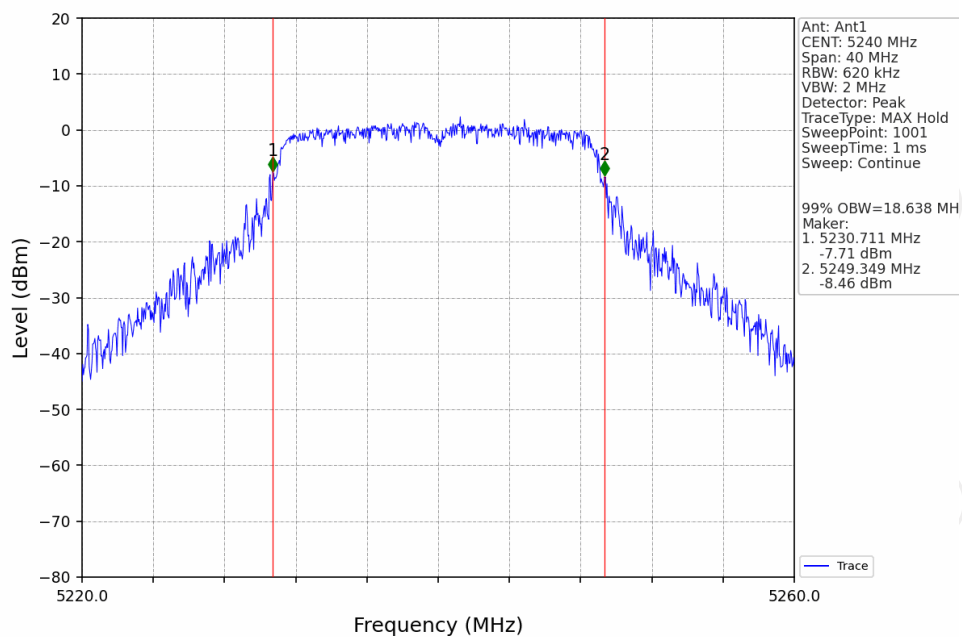
802.11n(HT20) LCH 5180MHz_Ant1_NTNV



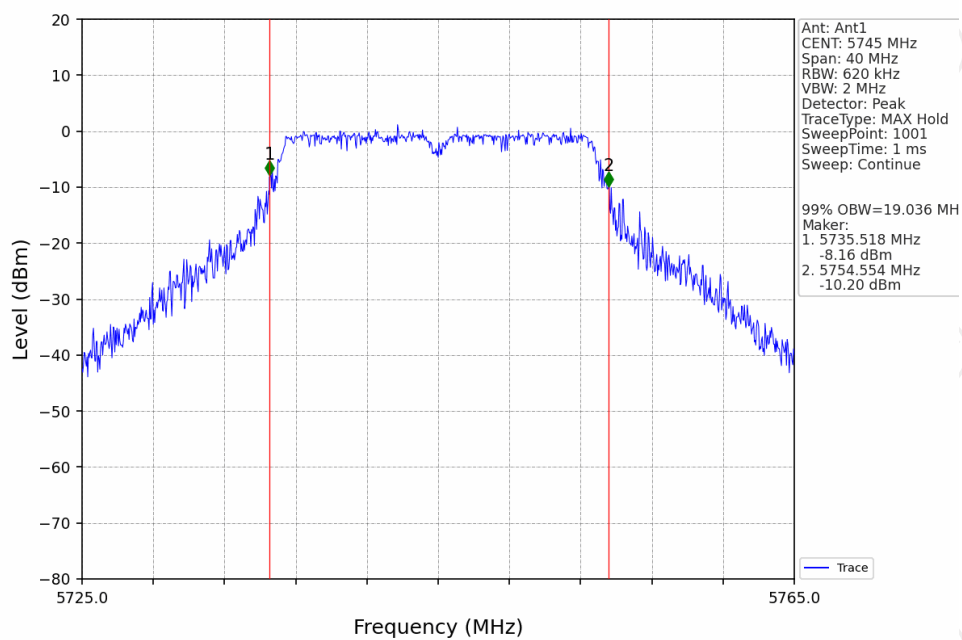
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



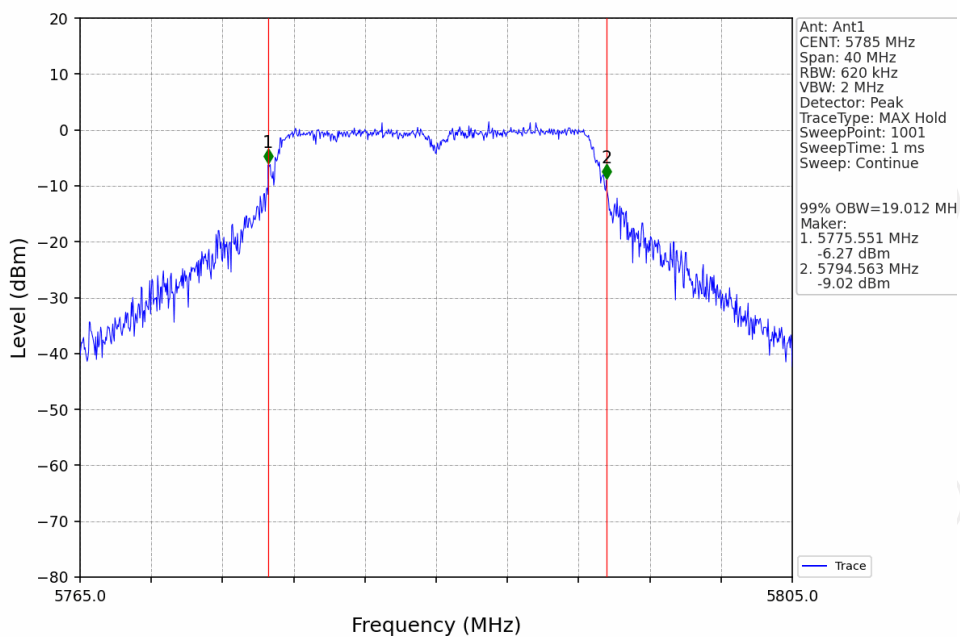
802.11n(HT20) HCH 5240MHz Ant1 NTN



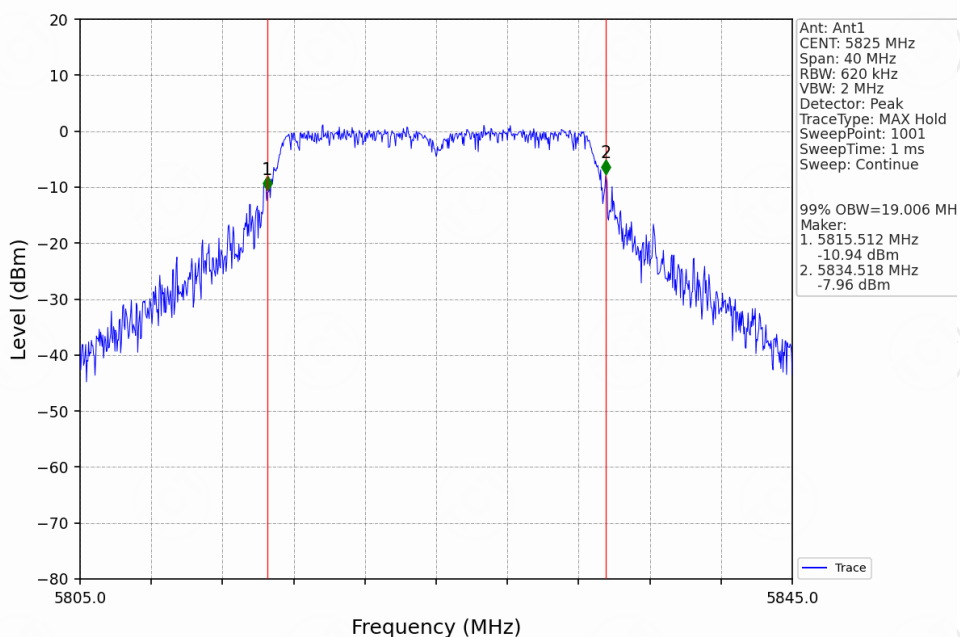
802.11n(HT20) LCH 5745MHz Ant1 NTN



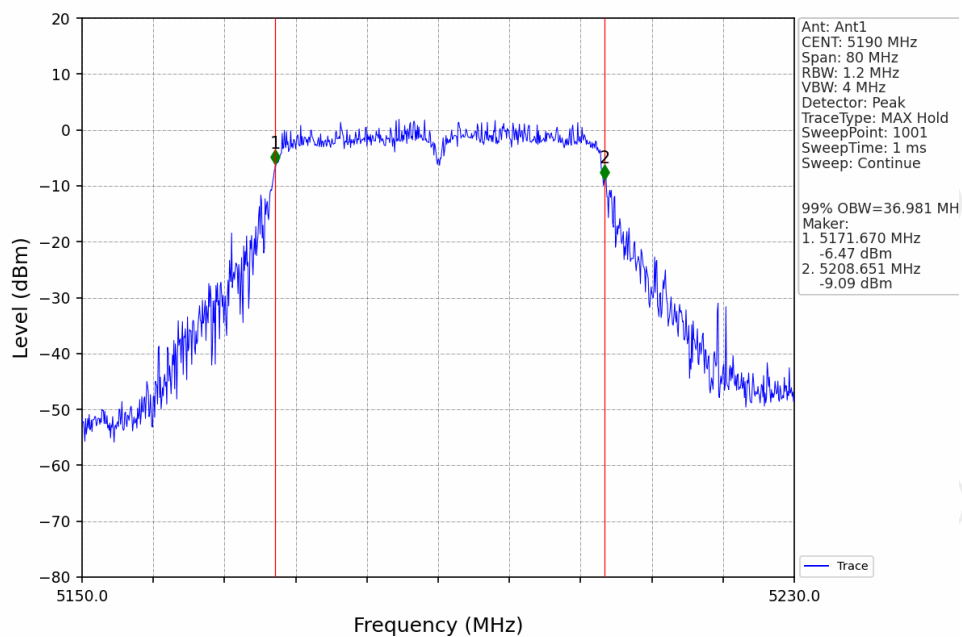
802.11n(HT20) MCH 5785MHz Ant1 NTN



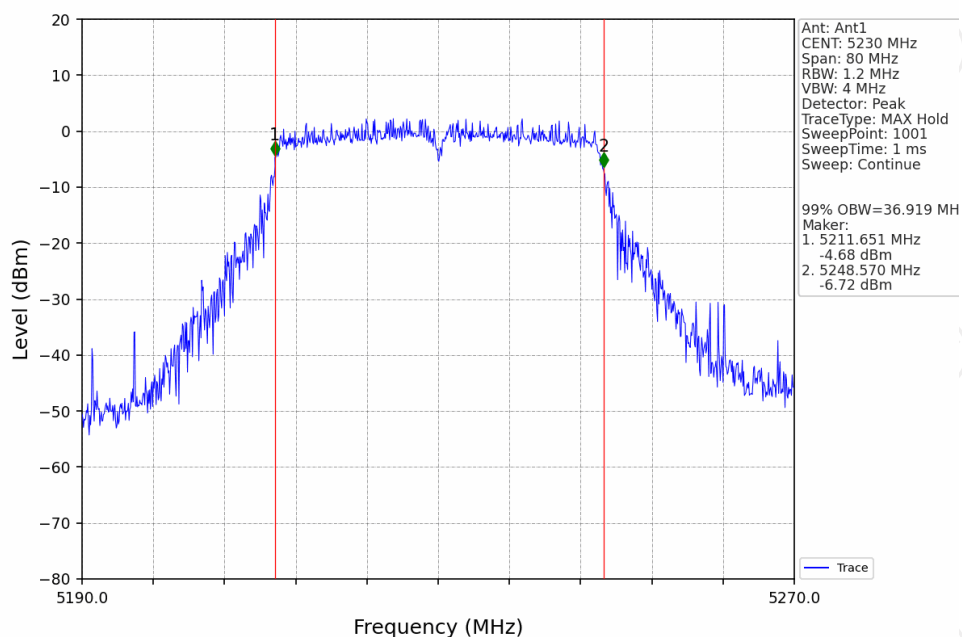
802.11n(HT20) HCH 5825MHz Ant1 NTN



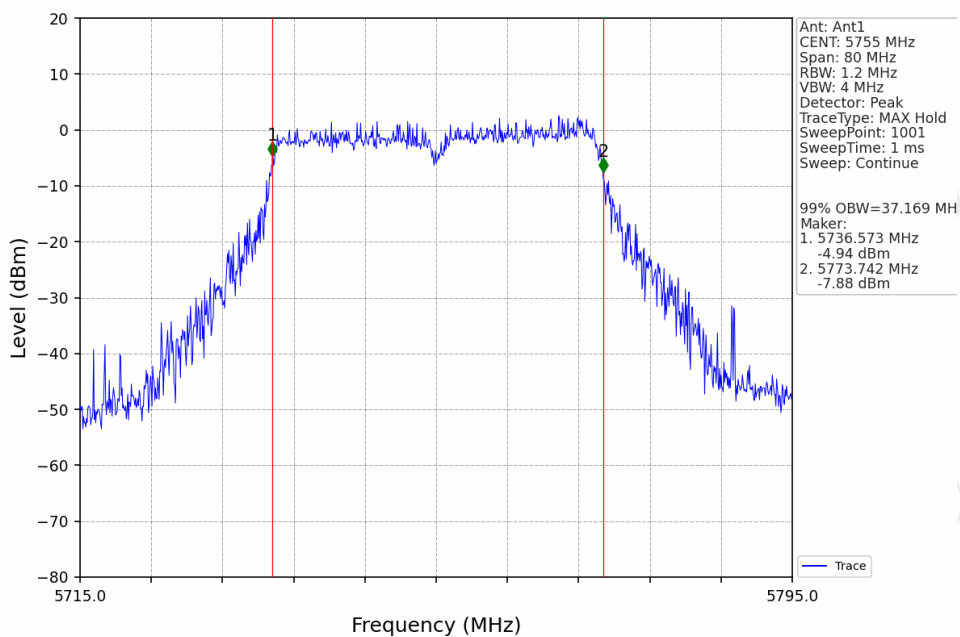
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



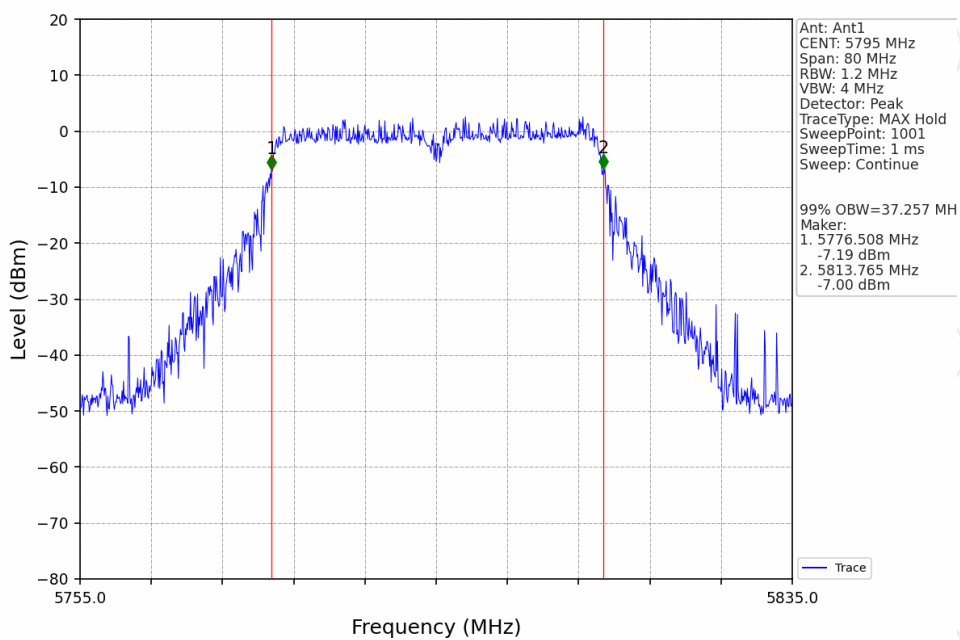
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



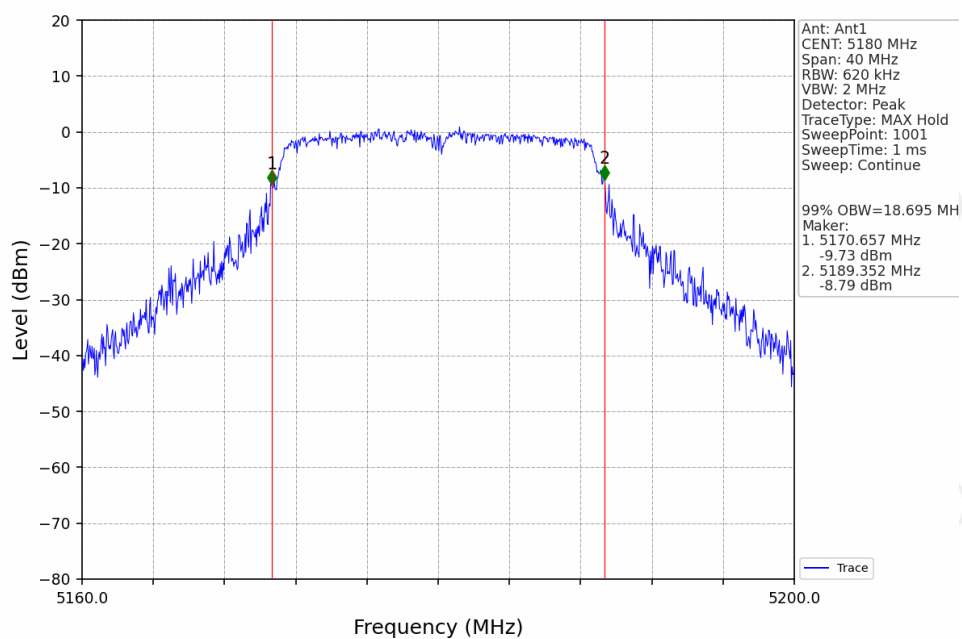
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



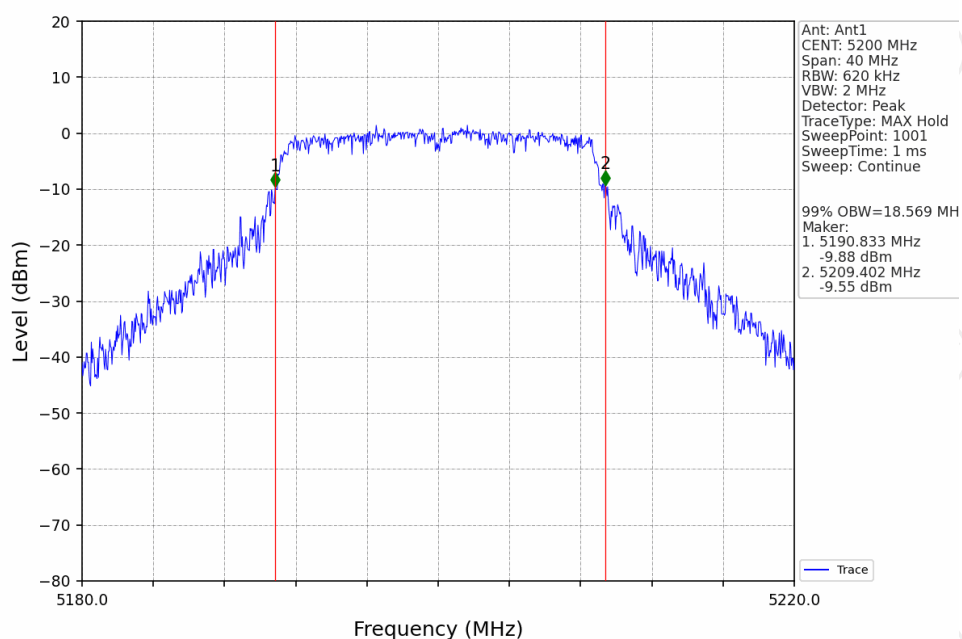
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



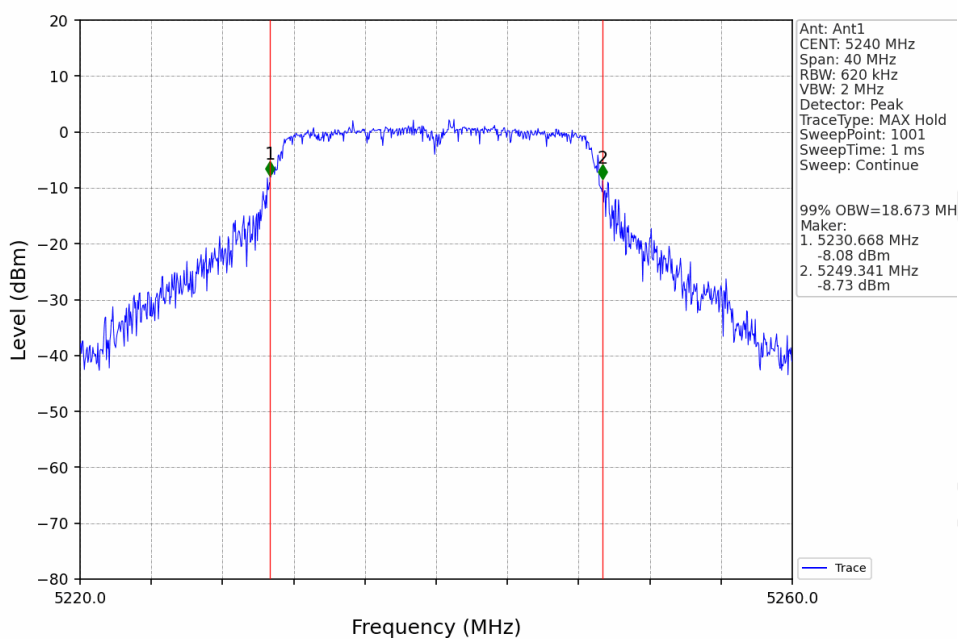
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



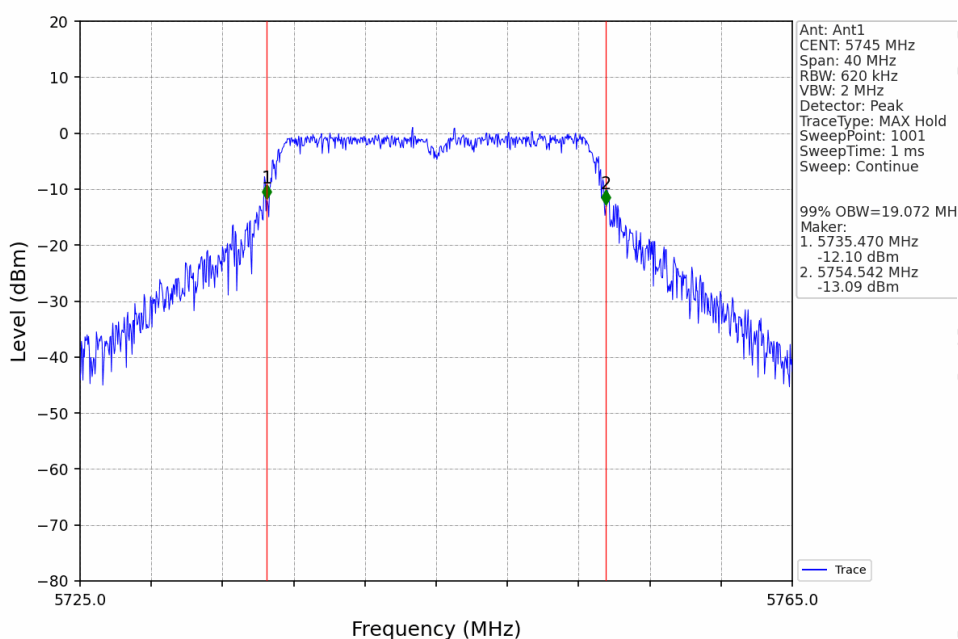
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



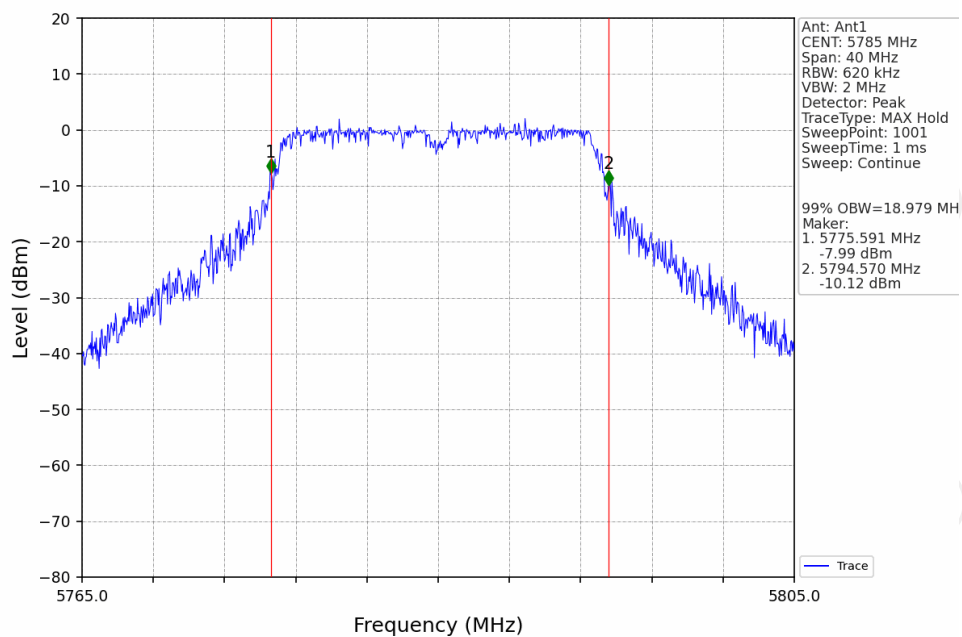
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



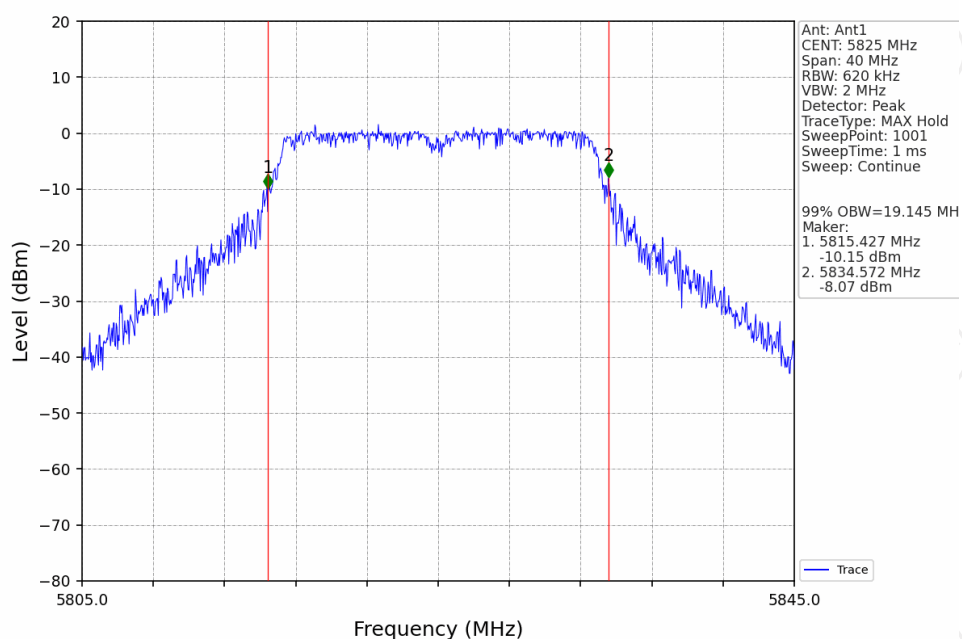
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



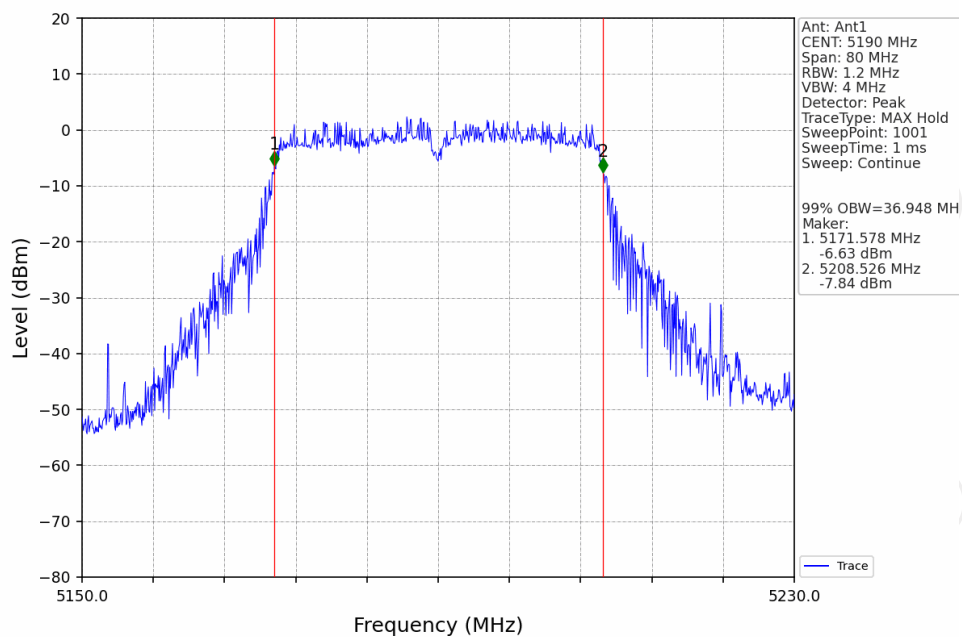
802.11ac(VHT20) MCH 5785MHz_Ant1_NTNV



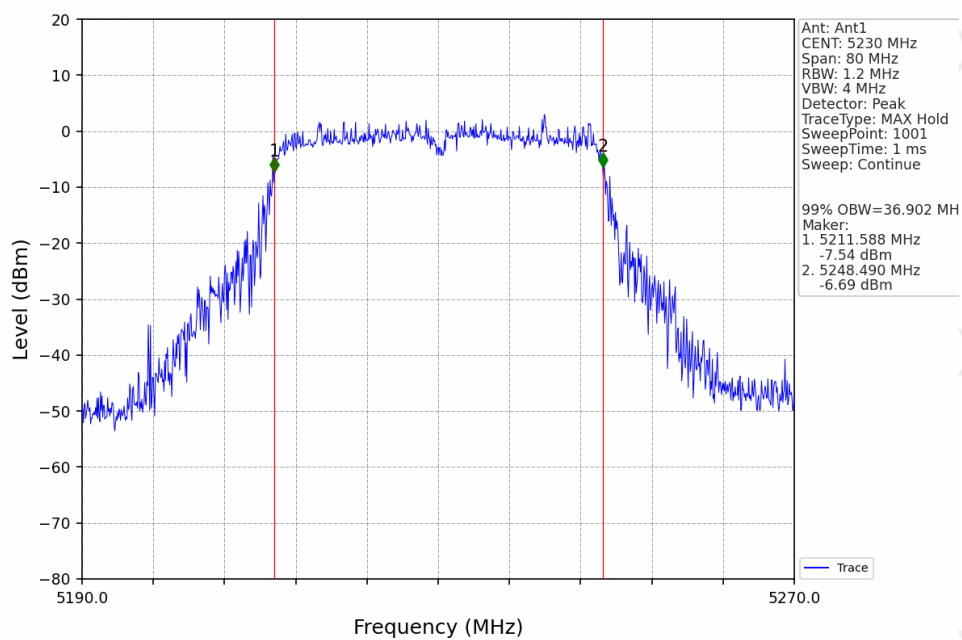
802.11ac(VHT20) HCH 5825MHz_Ant1_NTNV



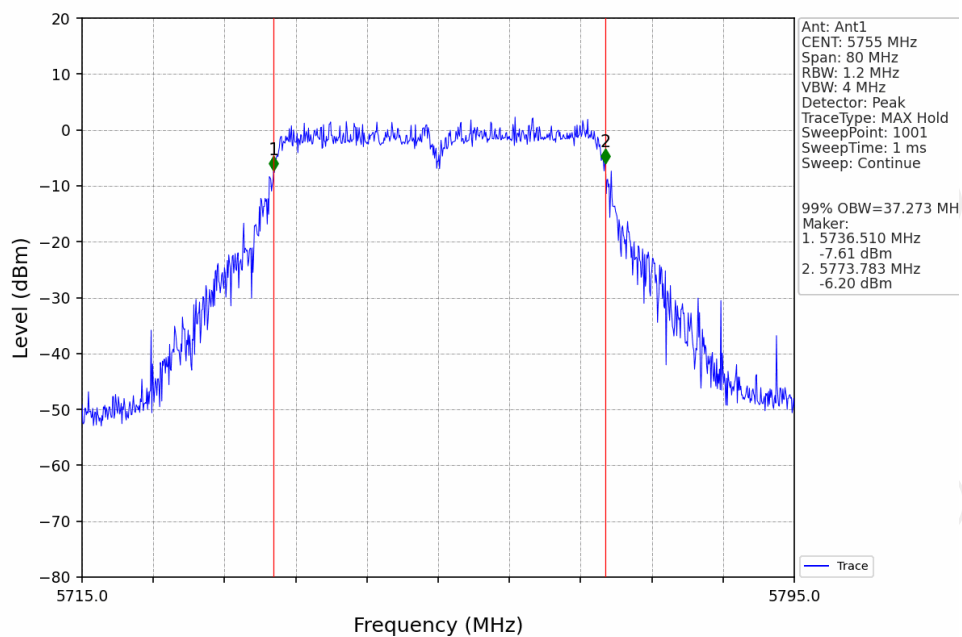
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



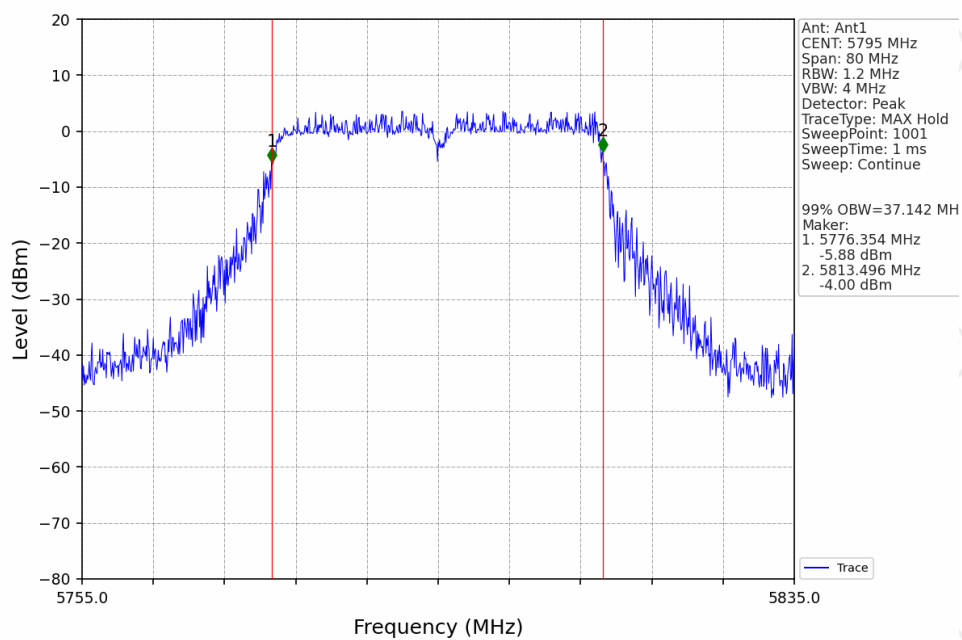
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



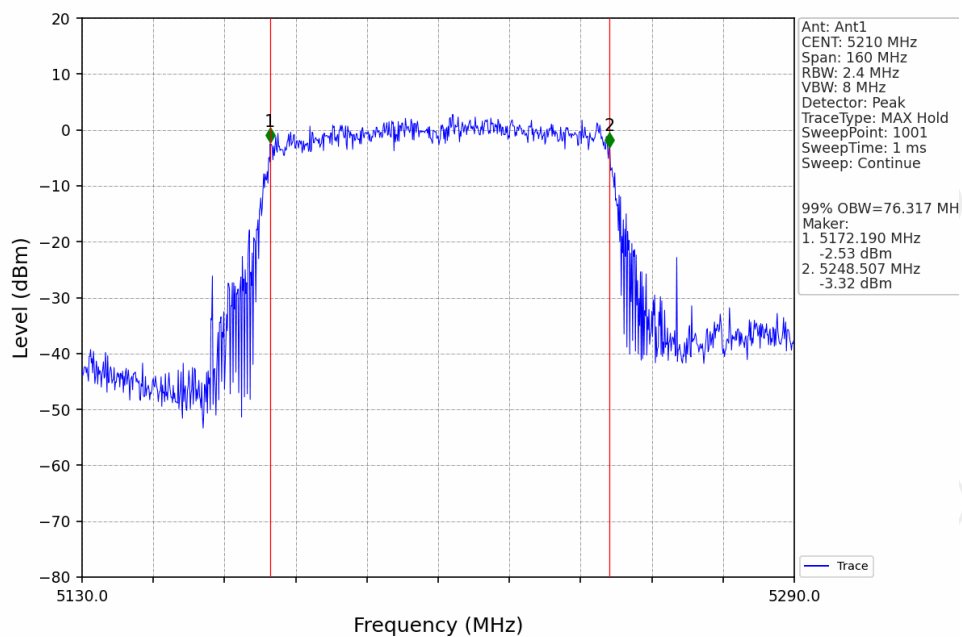
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



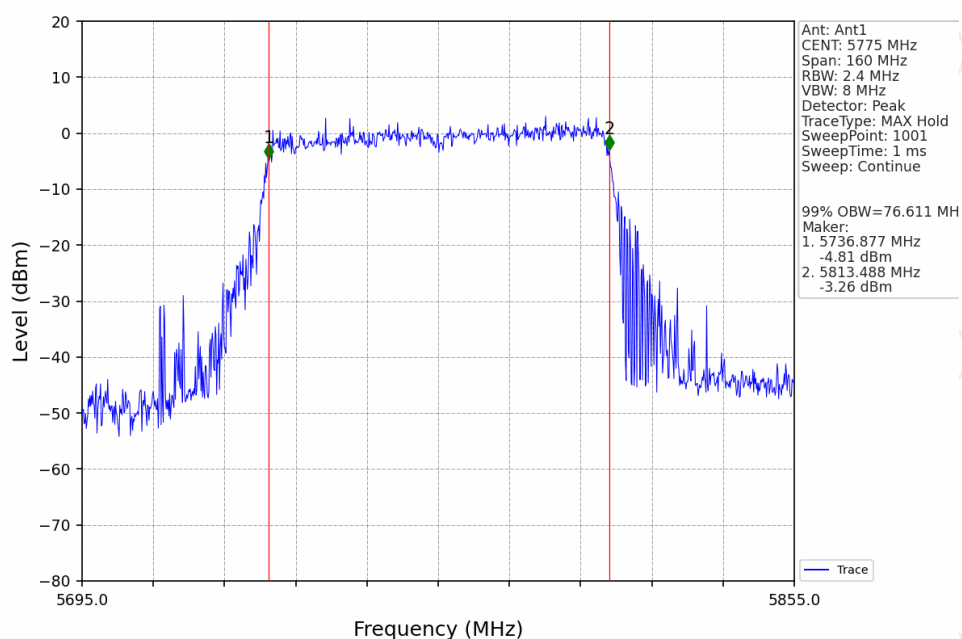
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



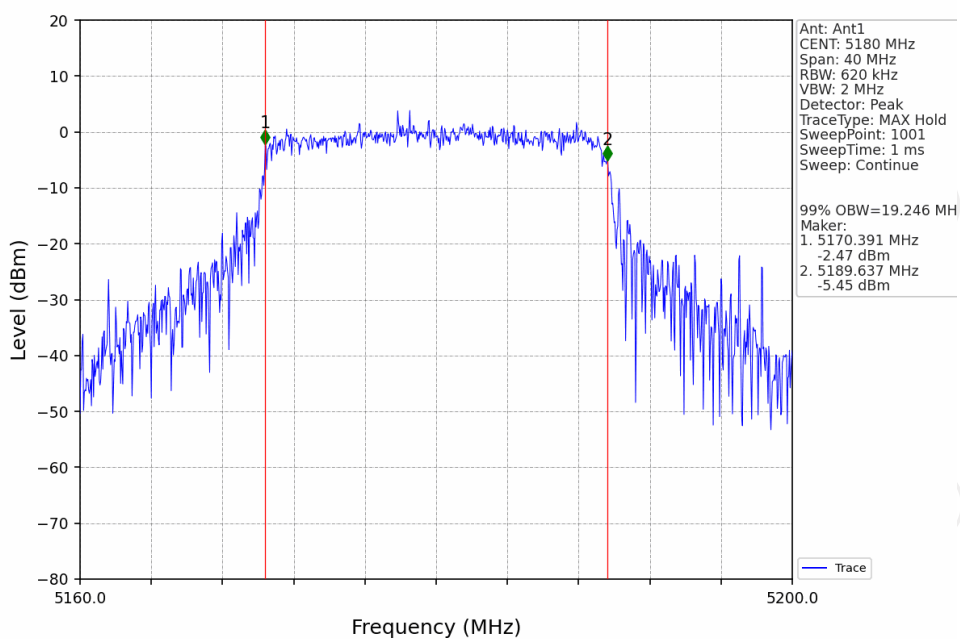
802.11ac(VHT80) MCH 5210MHz Ant1_NTNV



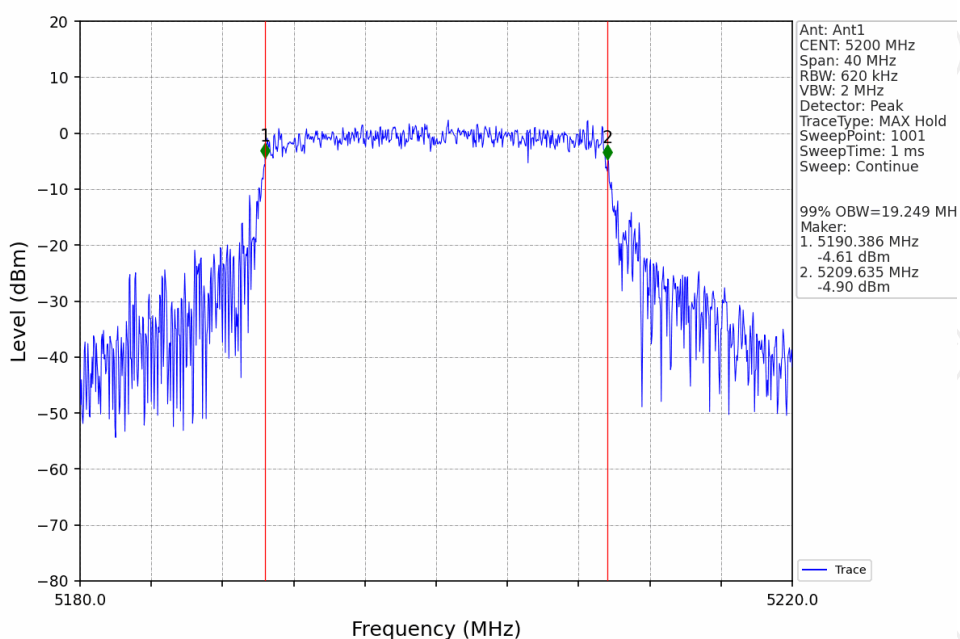
802.11ac(VHT80) MCH 5775MHz Ant1_NTNV



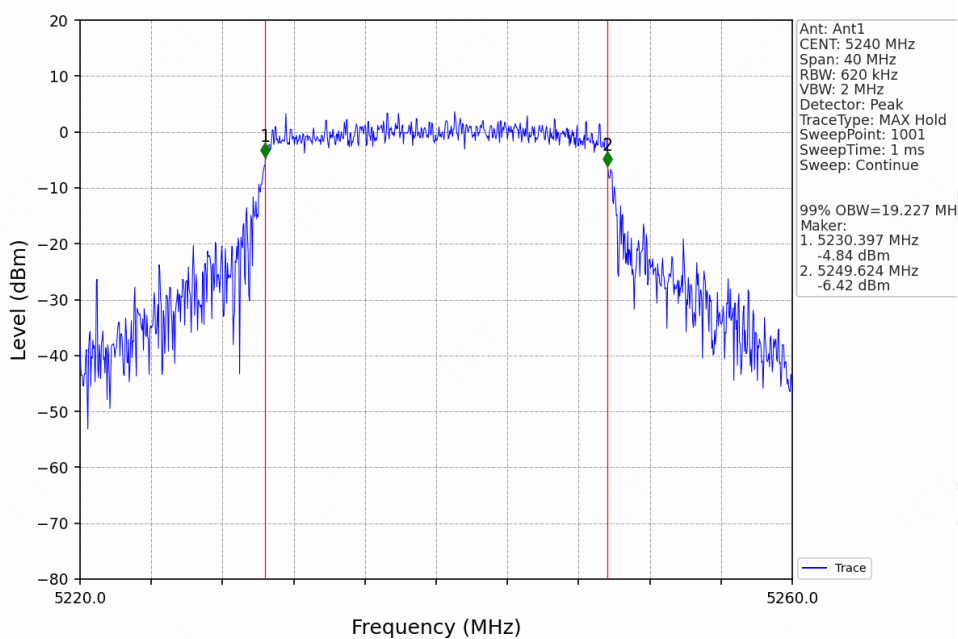
802.11ax(HEW20) LCH 5180MHz SU / Ant1 NTNV



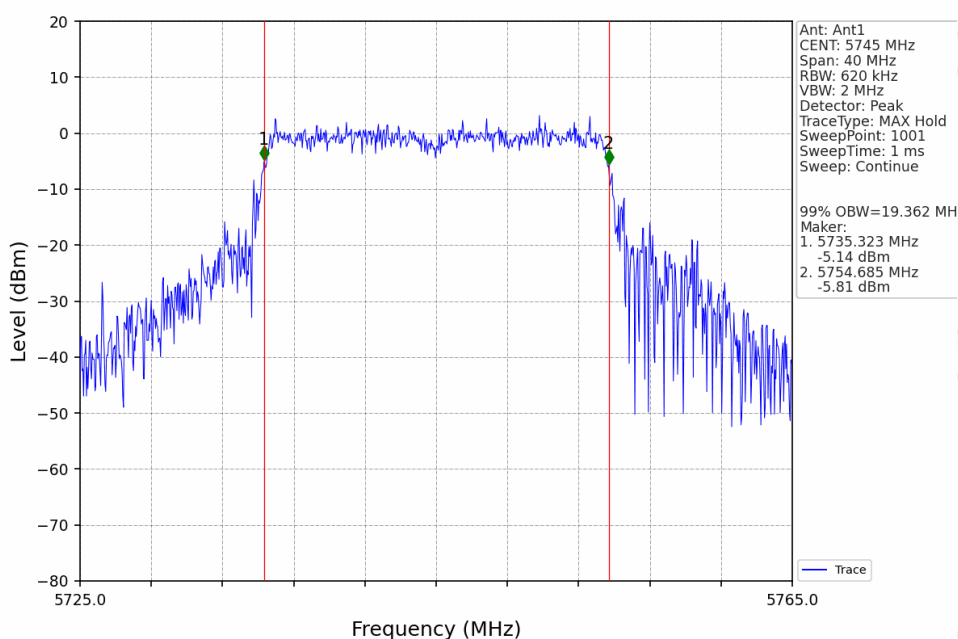
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTNV



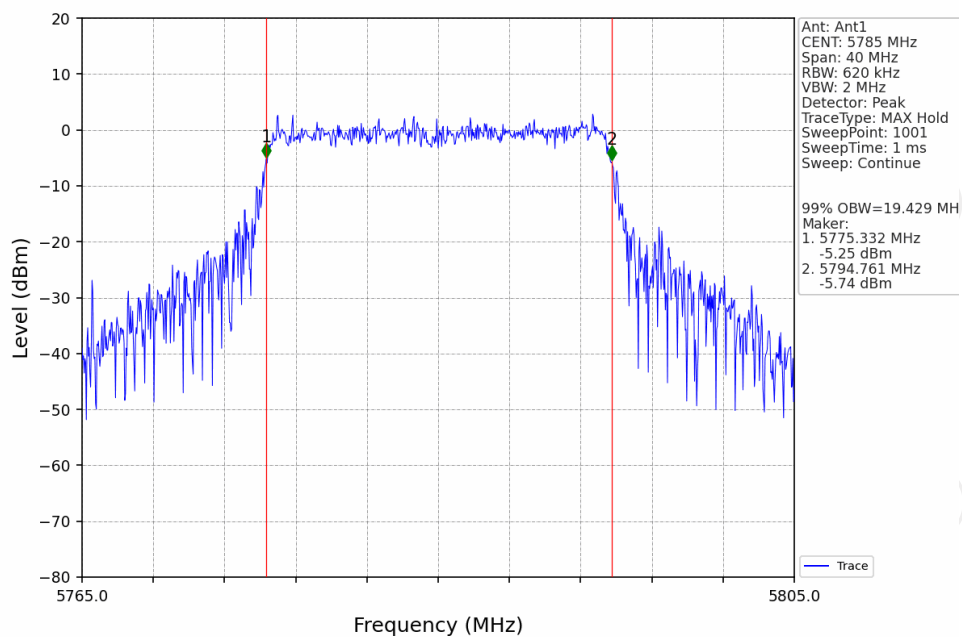
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTNV



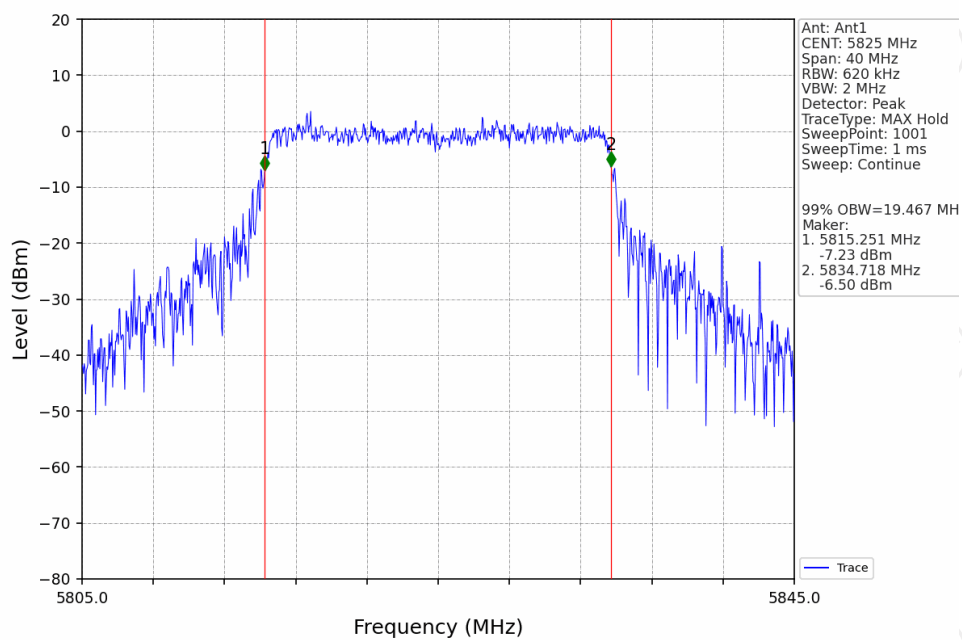
802.11ax(HEW20) LCH 5745MHz SU / Ant1 NTNV



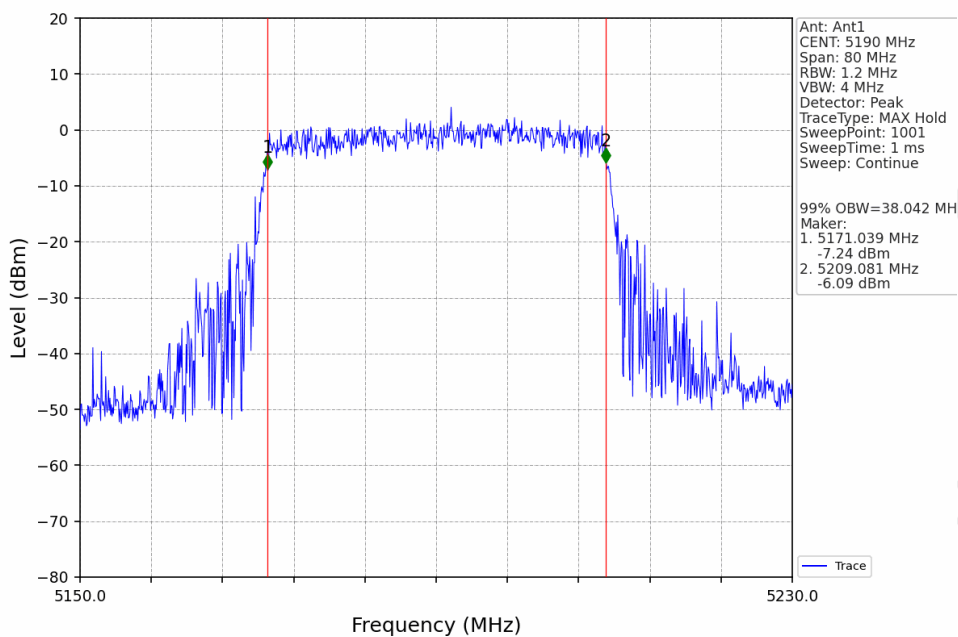
802.11ax(HEW20) MCH 5785MHz SU / Ant1 NTN



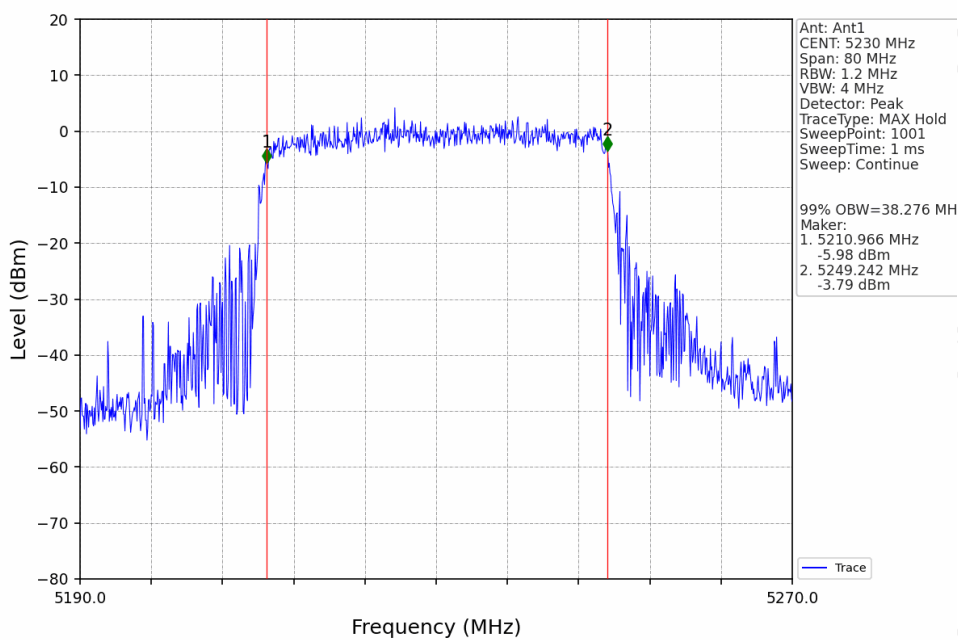
802.11ax(HEW20) HCH 5825MHz SU / Ant1 NTN



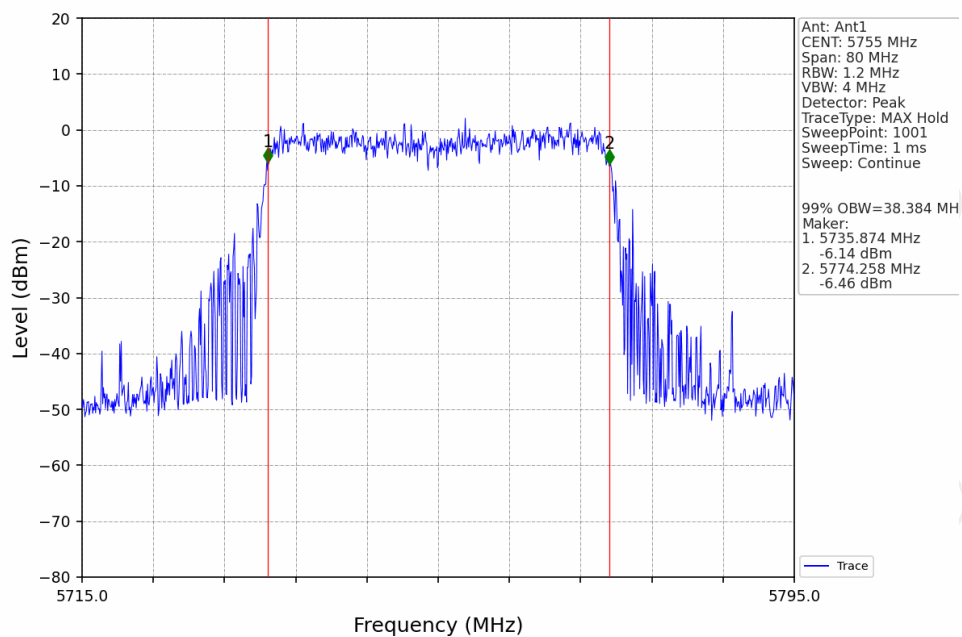
802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTNV



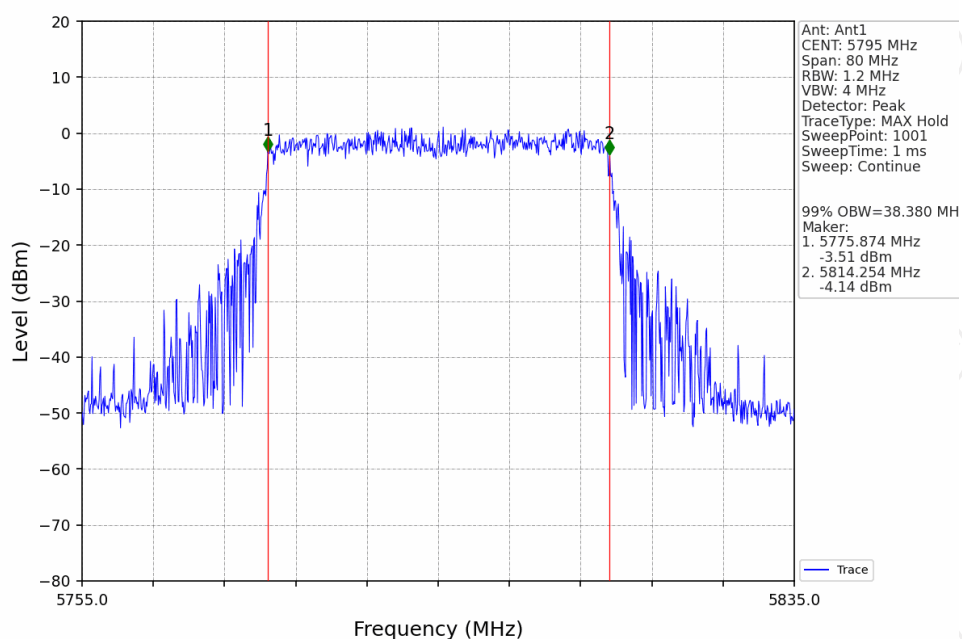
802.11ax(HEW40) HCH 5230MHz SU / Ant1 NTNV



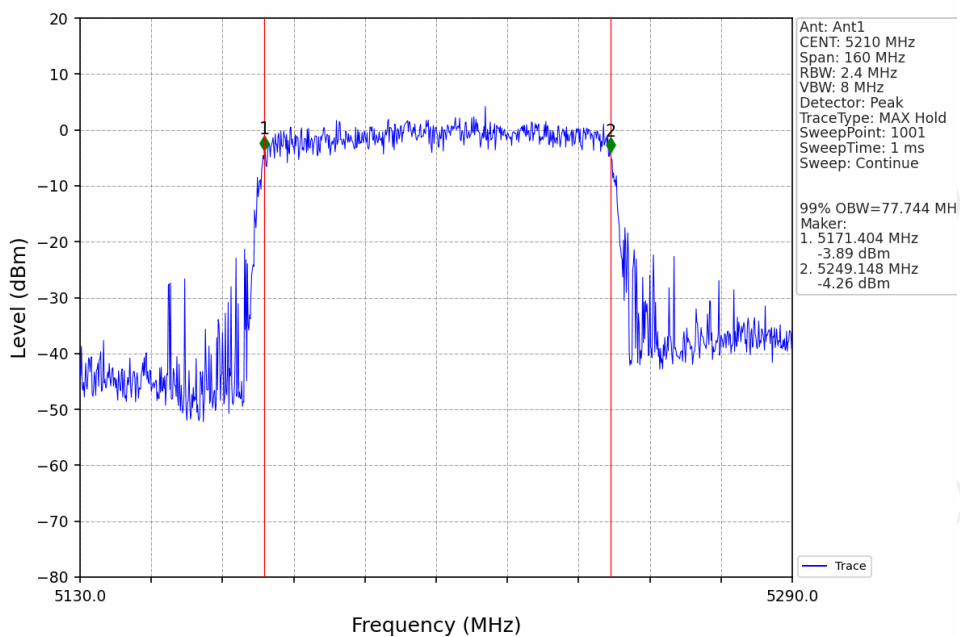
802.11ax(HEW40) LCH 5755MHz SU / Ant1 NTVN



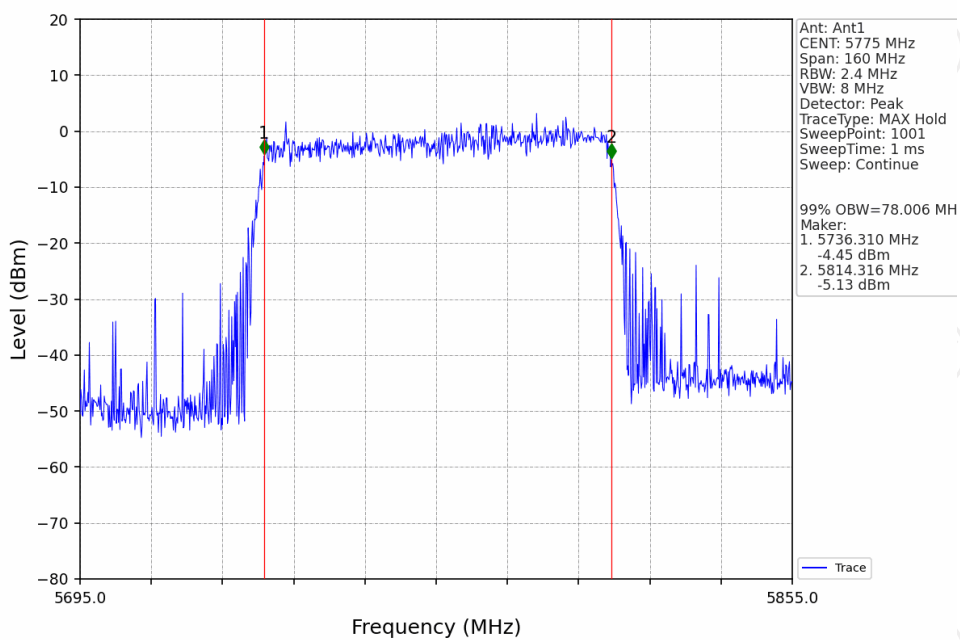
802.11ax(HEW40) HCH 5795MHz SU / Ant1 NTVN



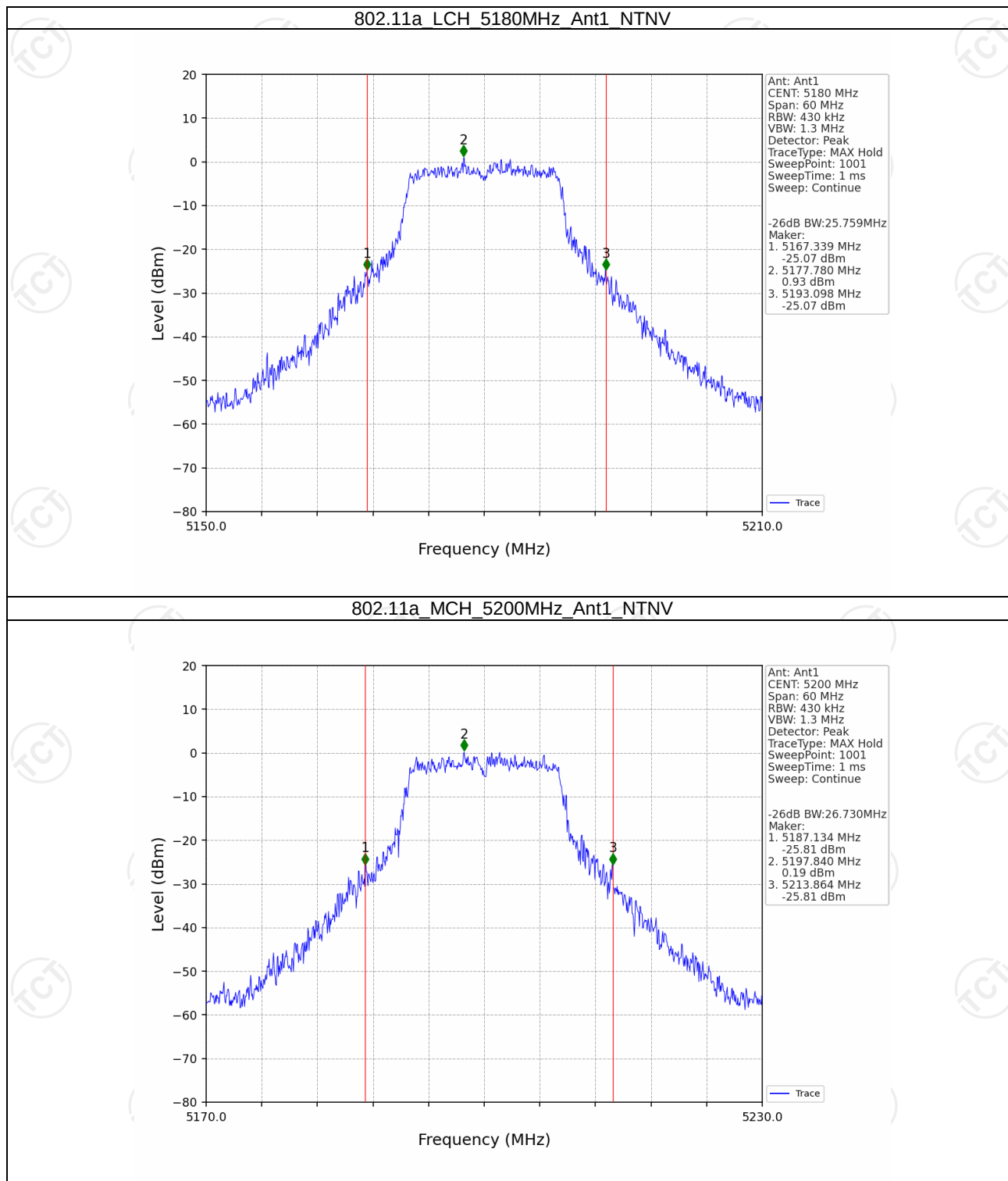
802.11ax(HEW80) MCH 5210MHz SU / Ant1 NTV



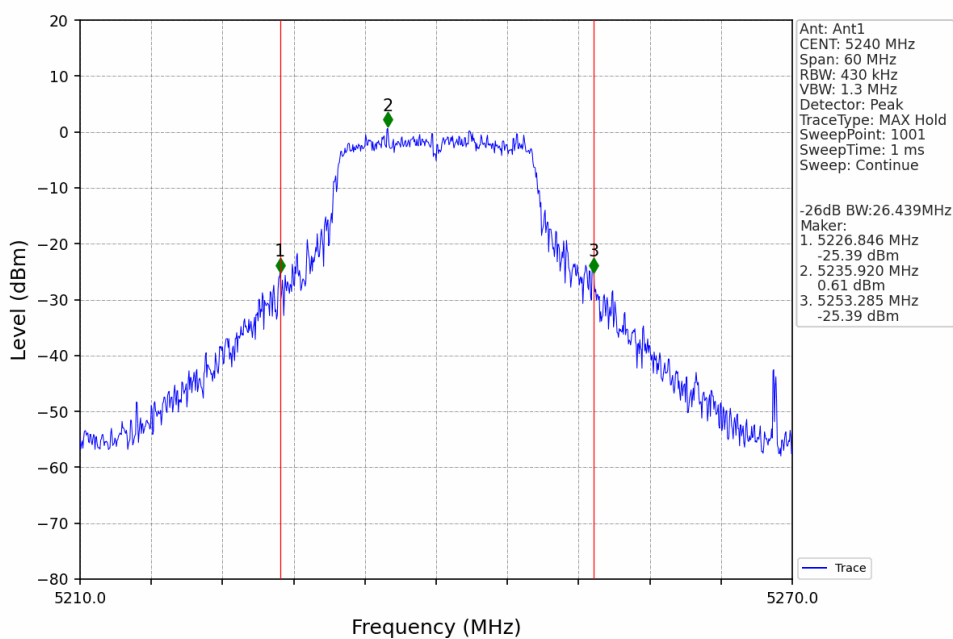
802.11ax(HEW80) MCH 5775MHz SU / Ant1 NTV



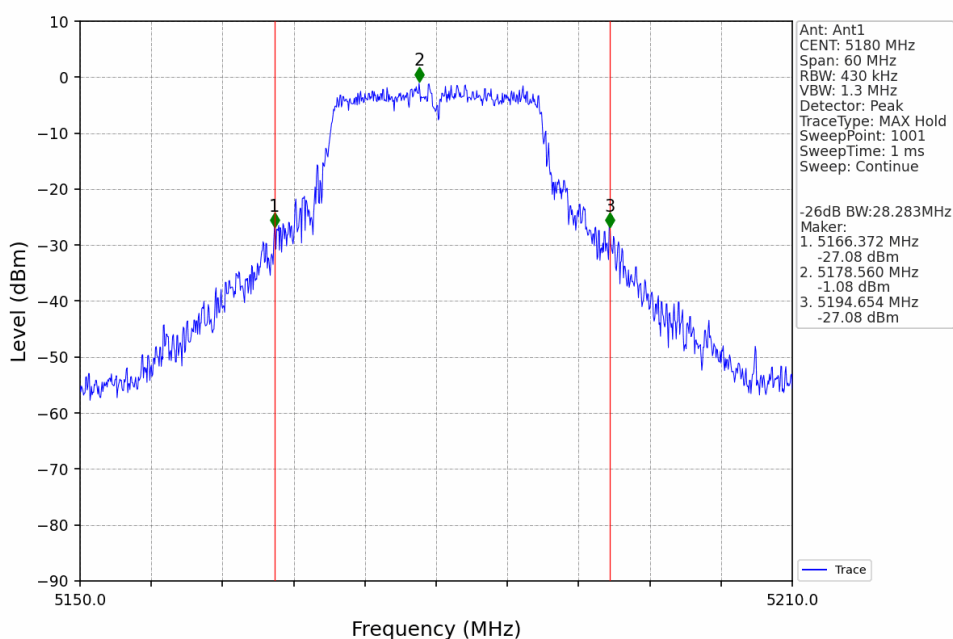
2.2.2 26dB BW



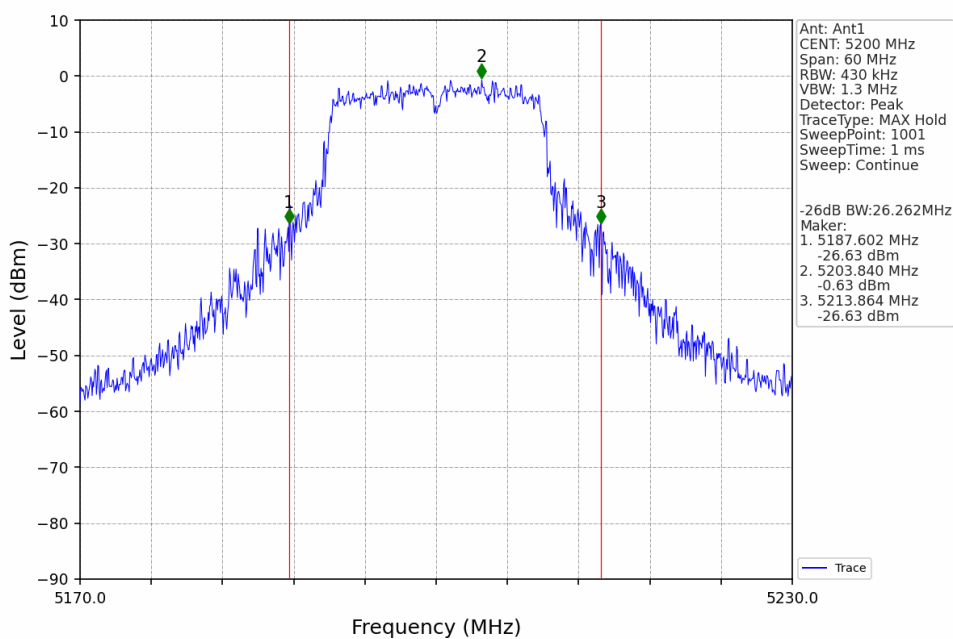
802.11a HCH 5240MHz Ant1 NTN



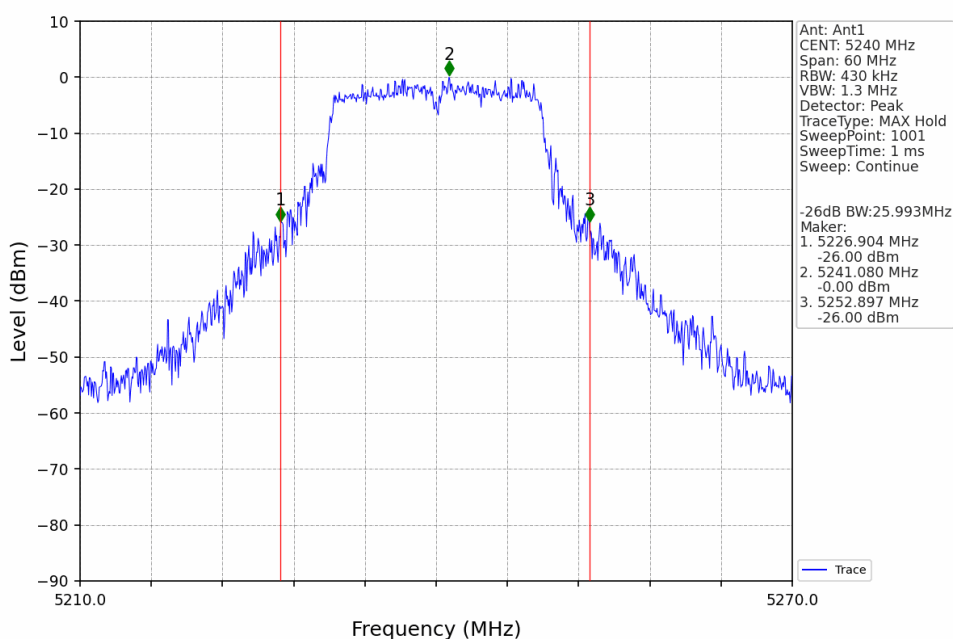
802.11n(HT20) LCH 5180MHz Ant1 NTN



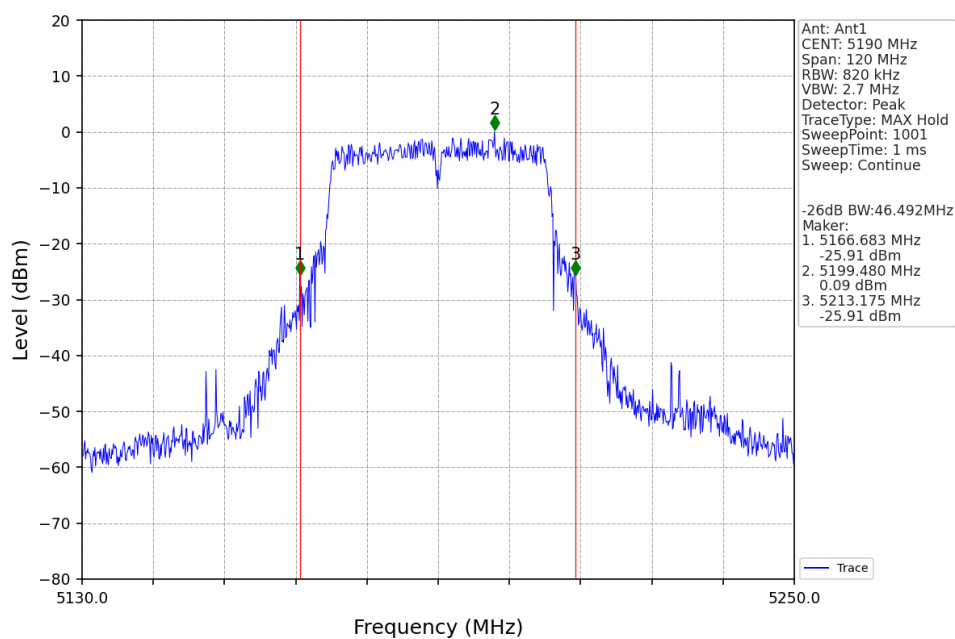
802.11n(HT20) MCH 5200MHz Ant1 NTN



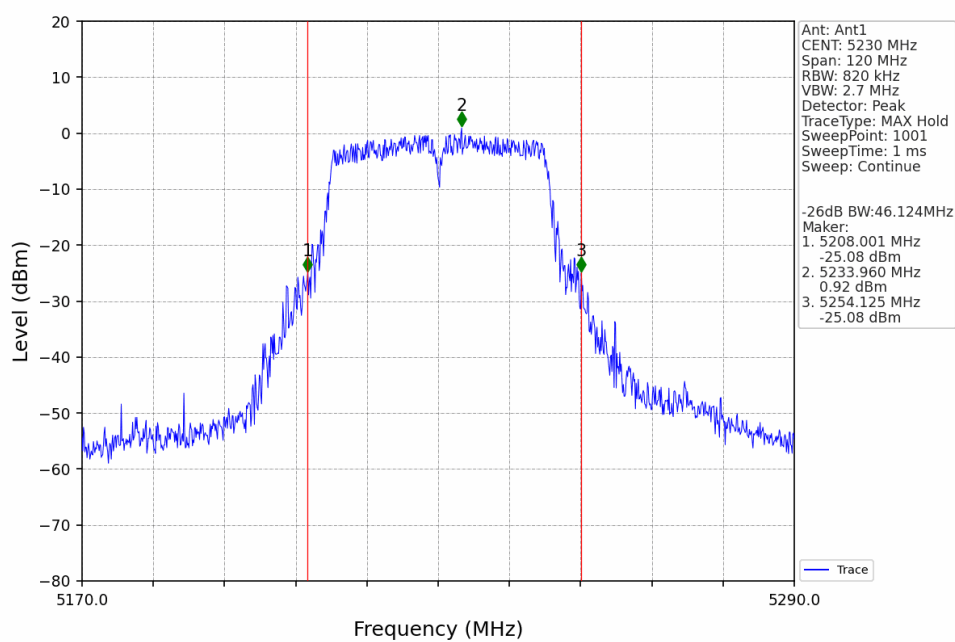
802.11n(HT20) HCH 5240MHz Ant1 NTN



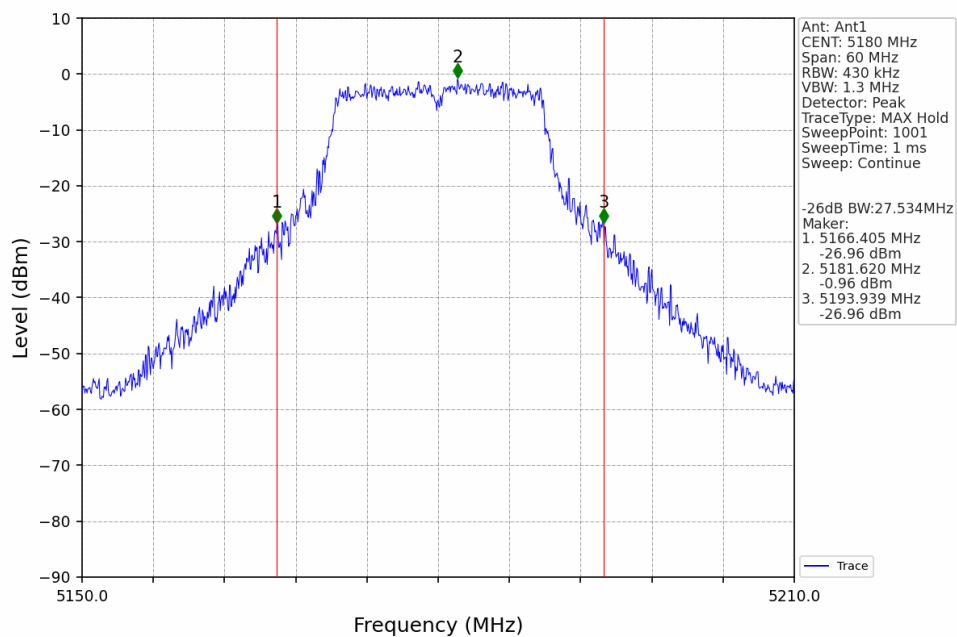
802.11n(HT40) LCH 5190MHz Ant1_NTNV



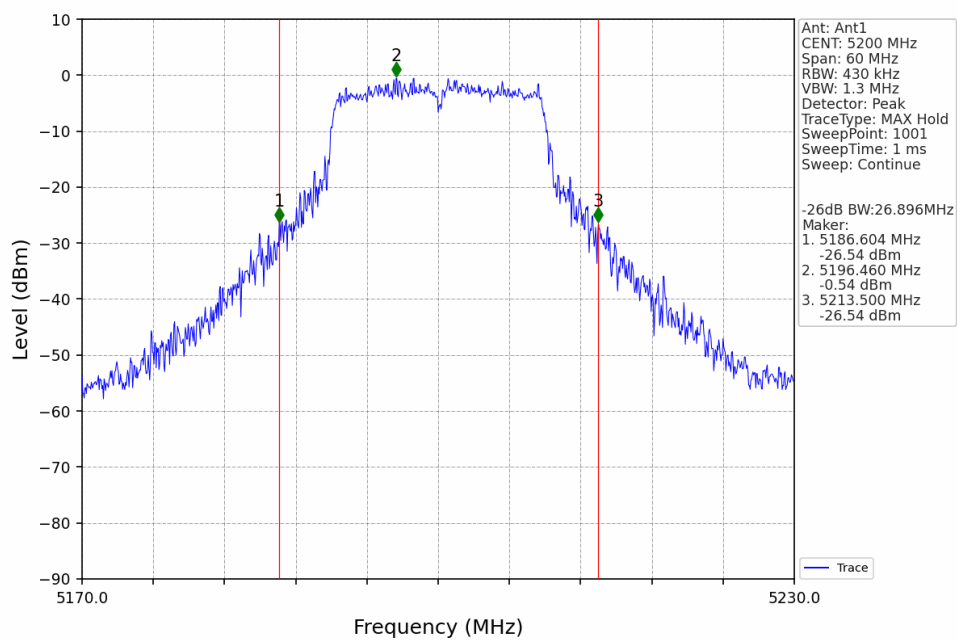
802.11n(HT40) HCH 5230MHz Ant1_NTNV



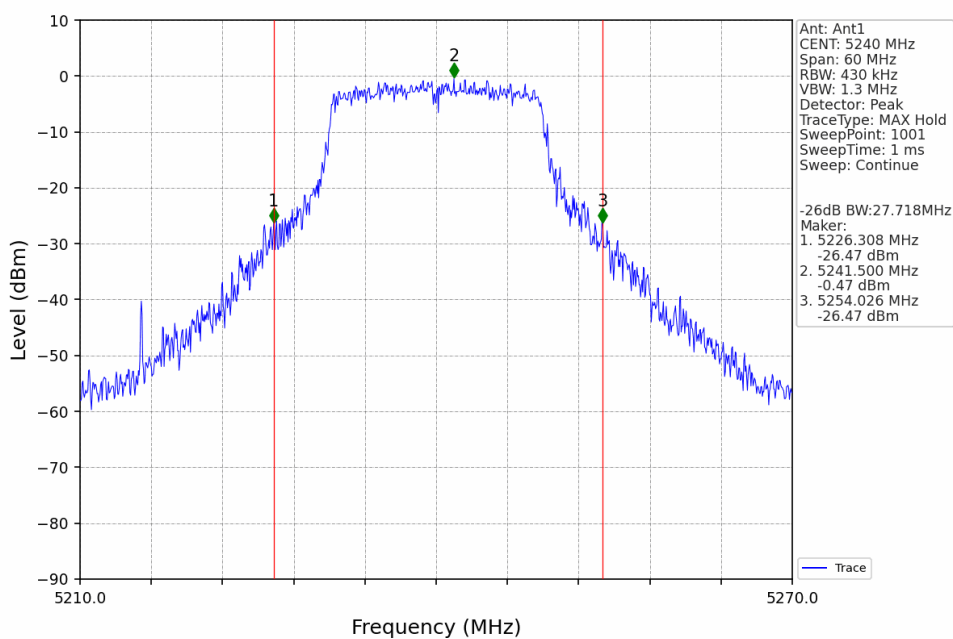
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



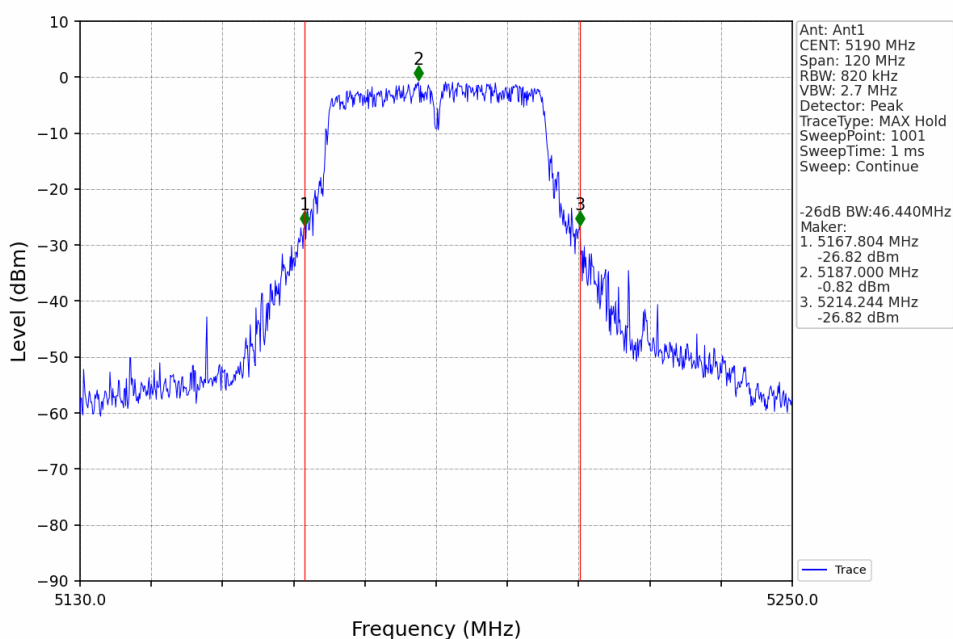
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



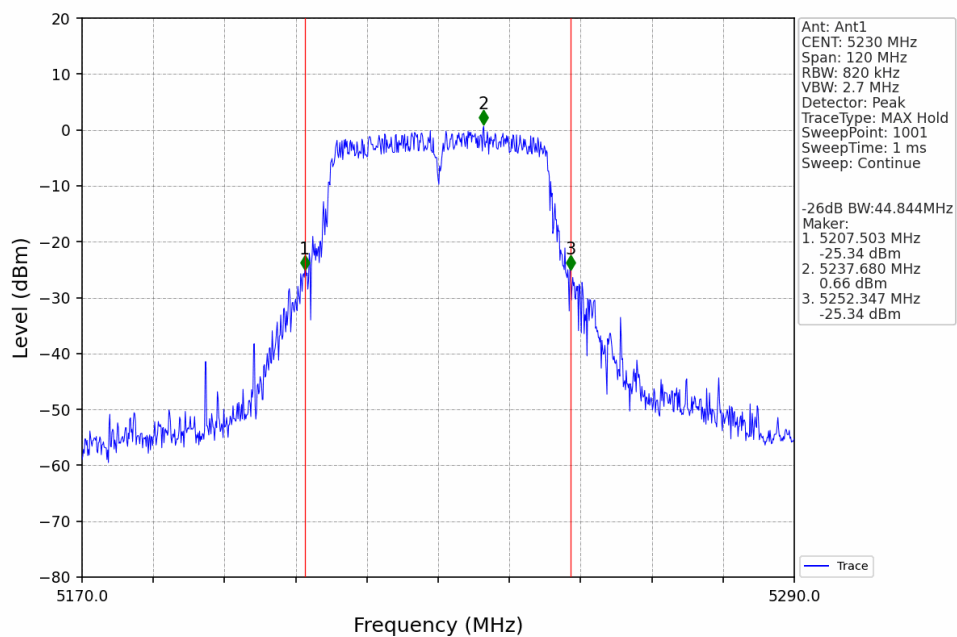
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



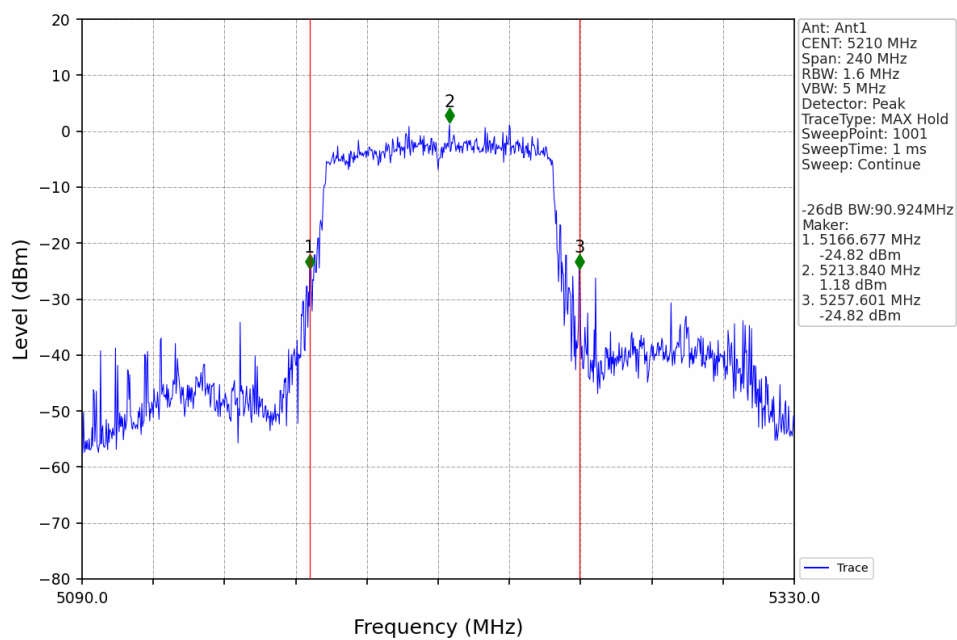
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



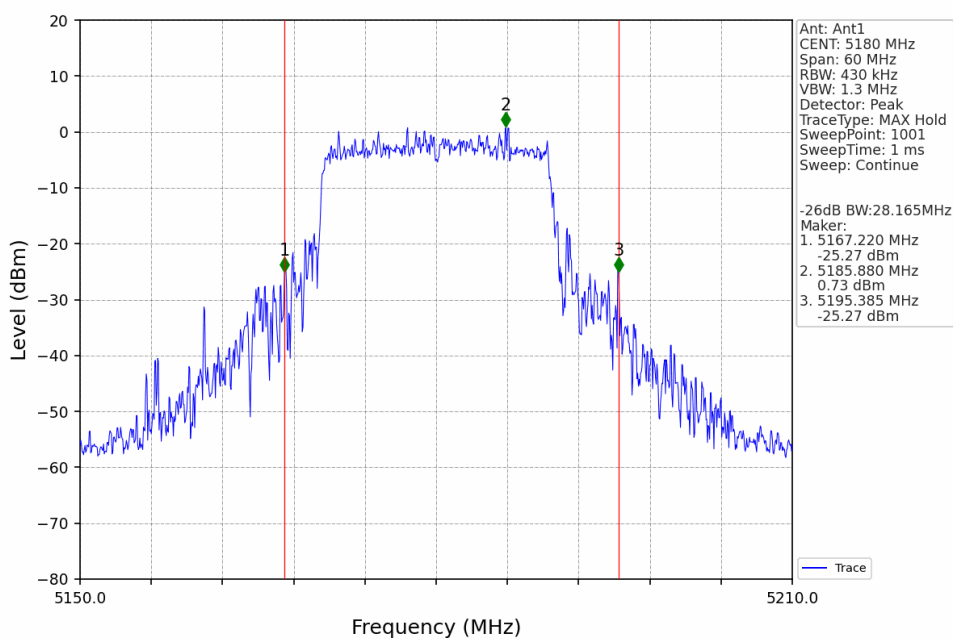
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



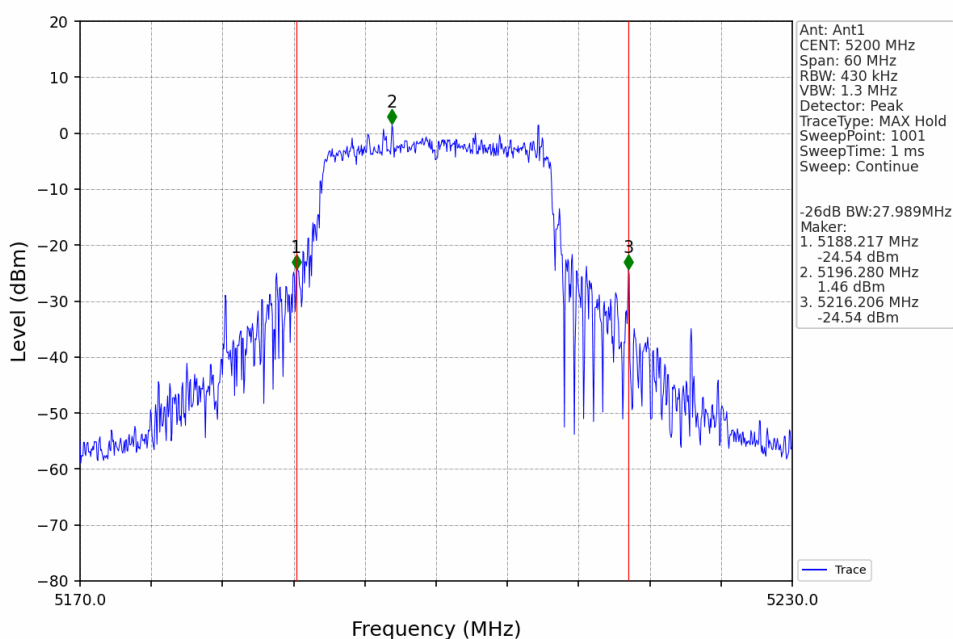
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



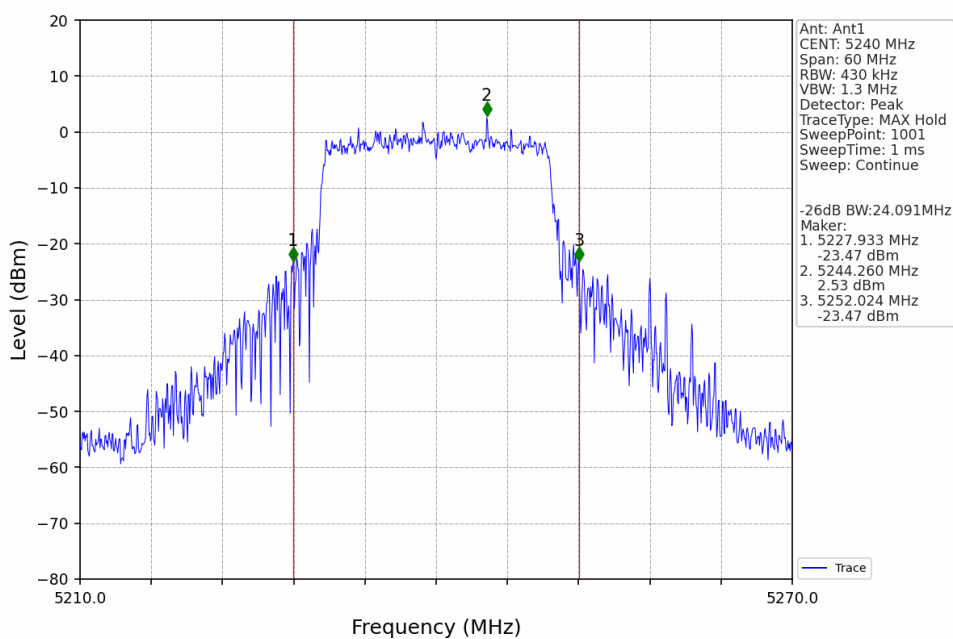
802.11ax(HEW20) LCH 5180MHz SU / Ant1 NTNV



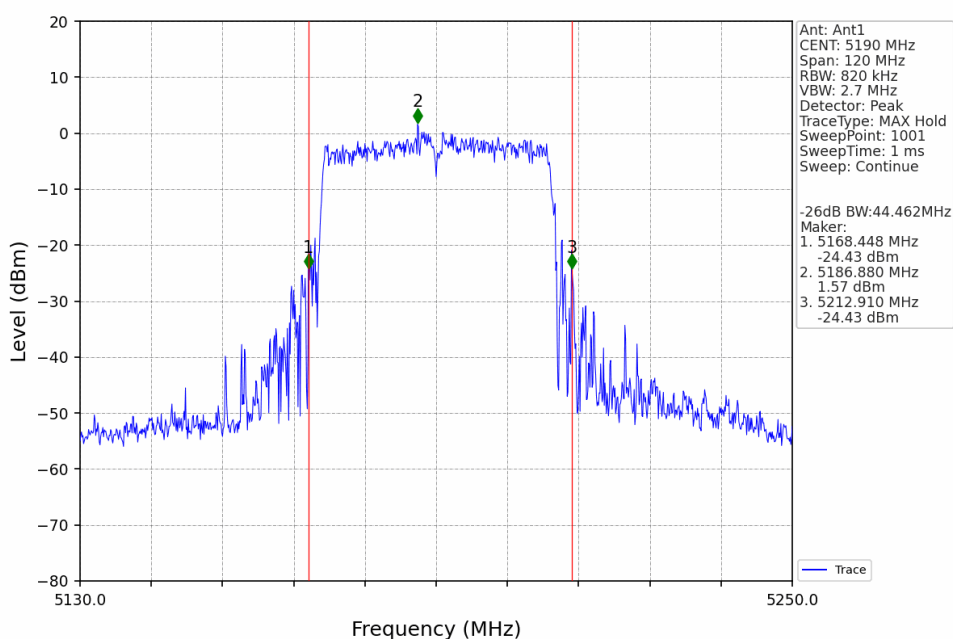
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTNV



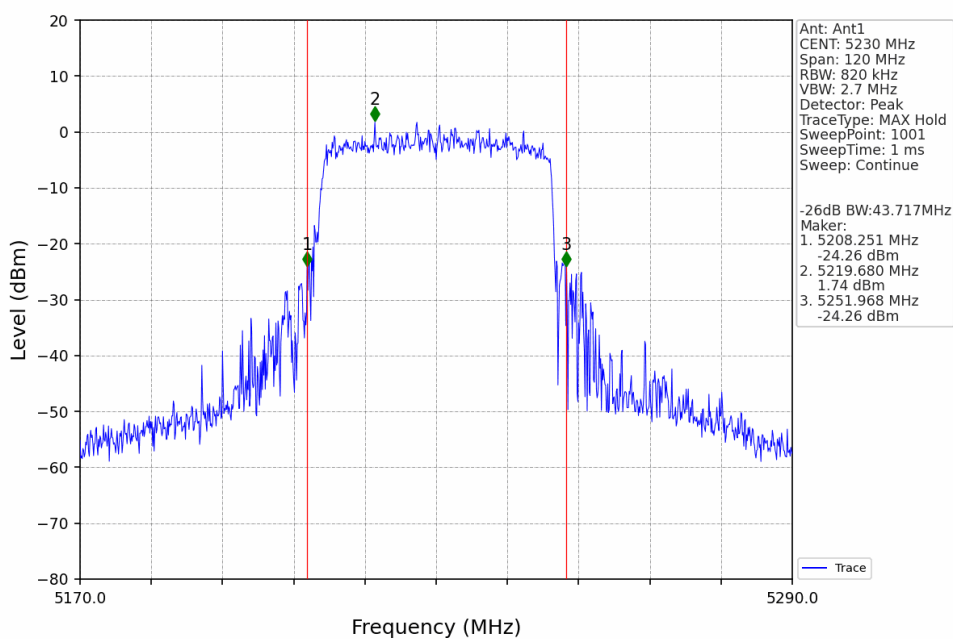
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTNV



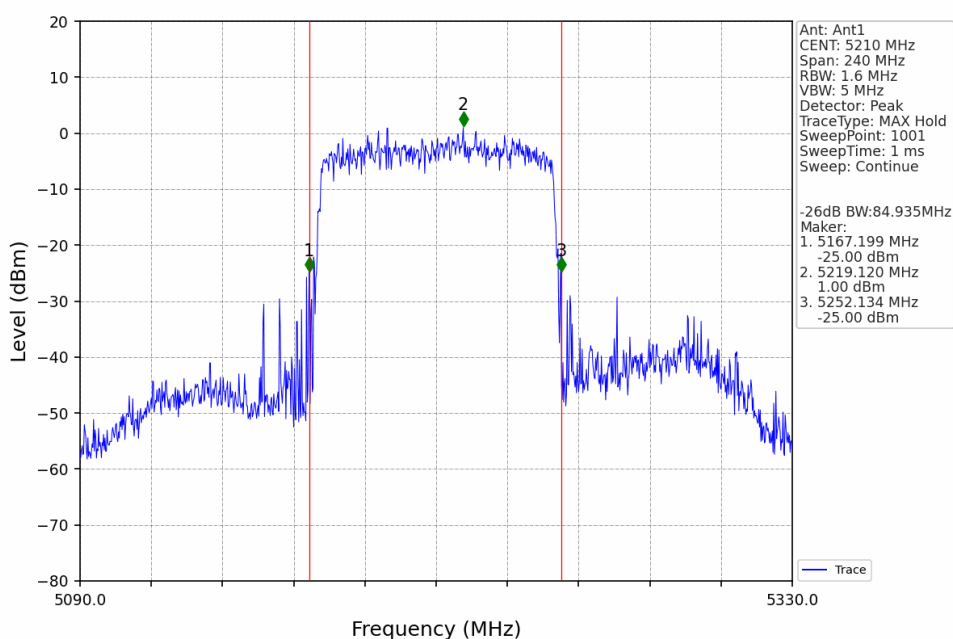
802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTNV



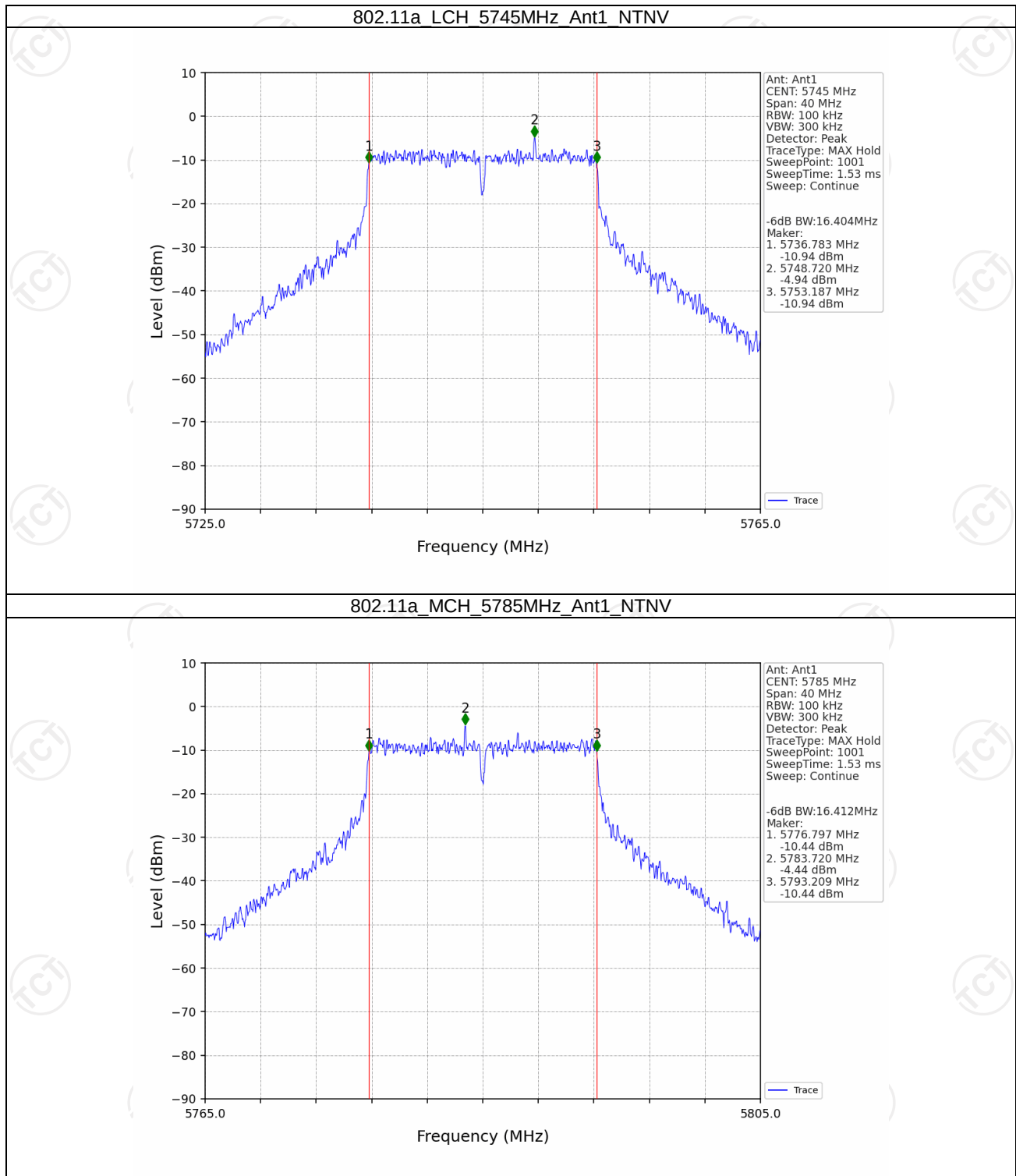
802.11ax(HEW40) HCH 5230MHz SU / Ant1 NTN



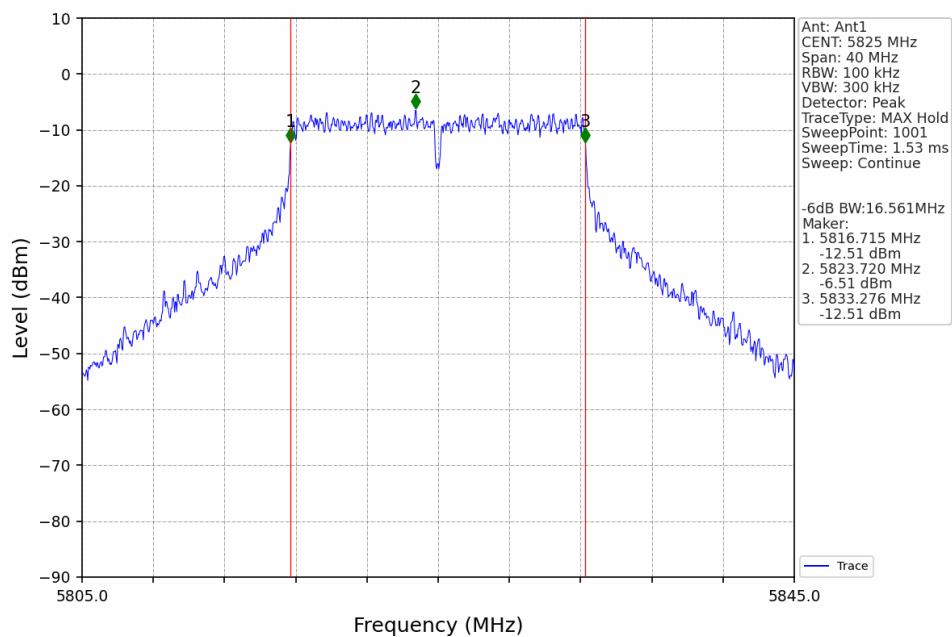
802.11ax(HEW80) MCH 5210MHz SU / Ant1 NTN



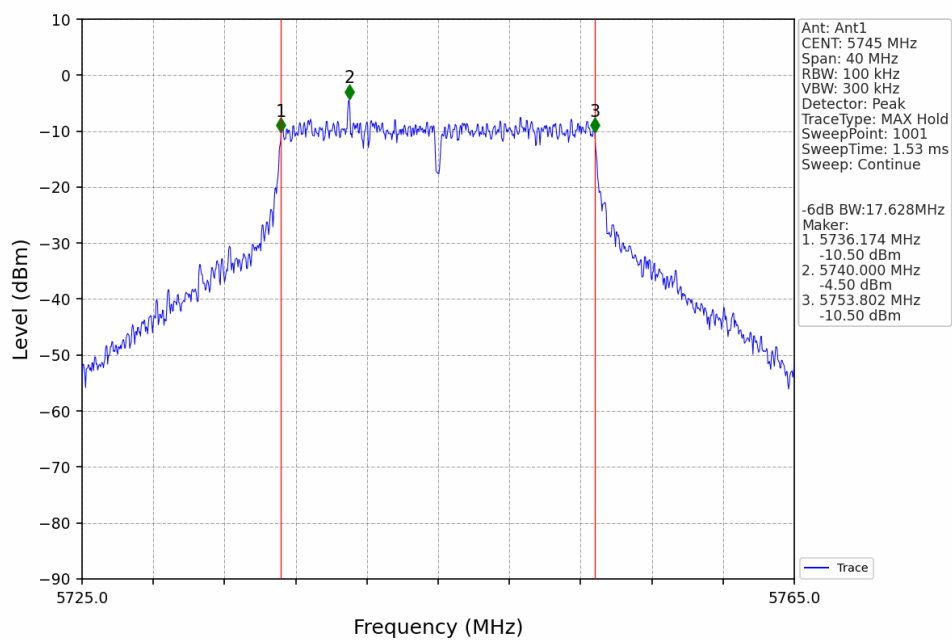
2.2.3 6dB BW



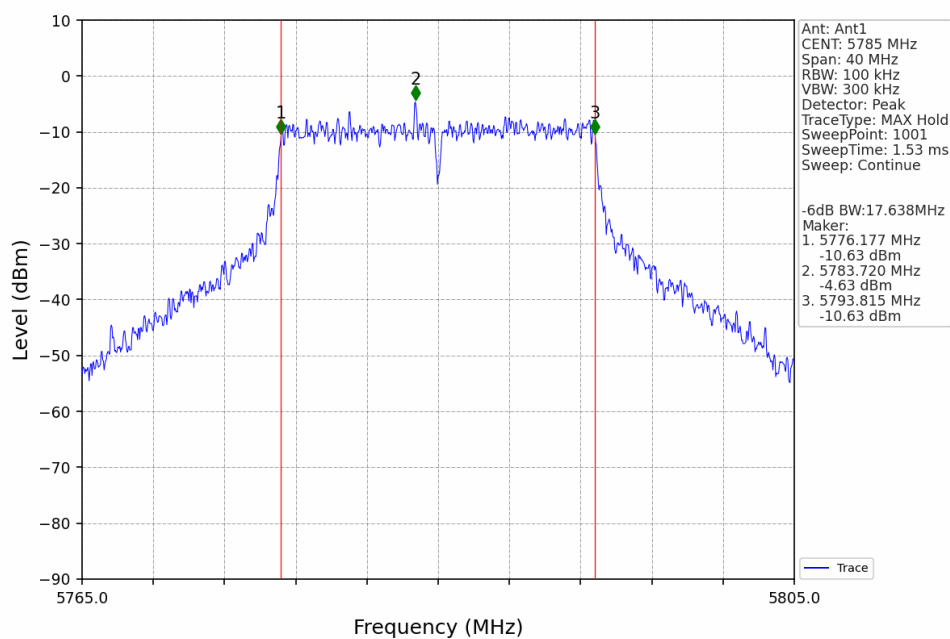
802.11a HCH 5825MHz Ant1 NTNV



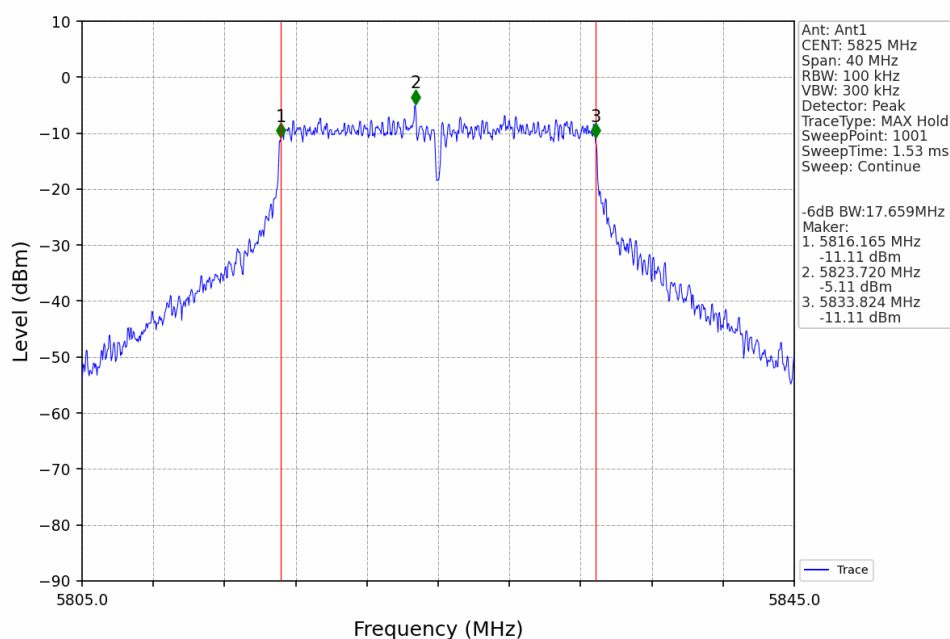
802.11n(HT20) LCH 5745MHz Ant1 NTNV



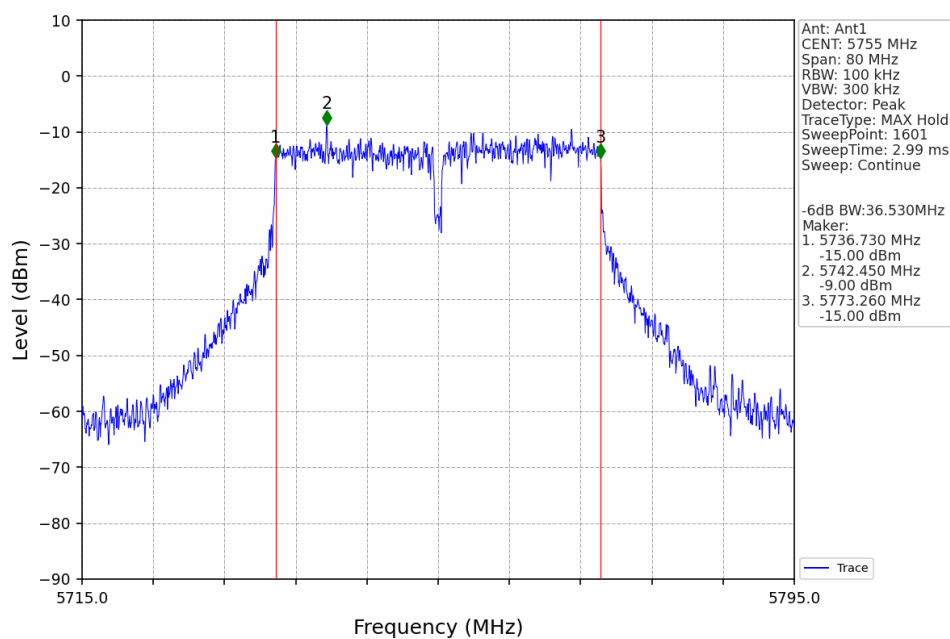
802.11n(HT20) MCH 5785MHz Ant1 NTN



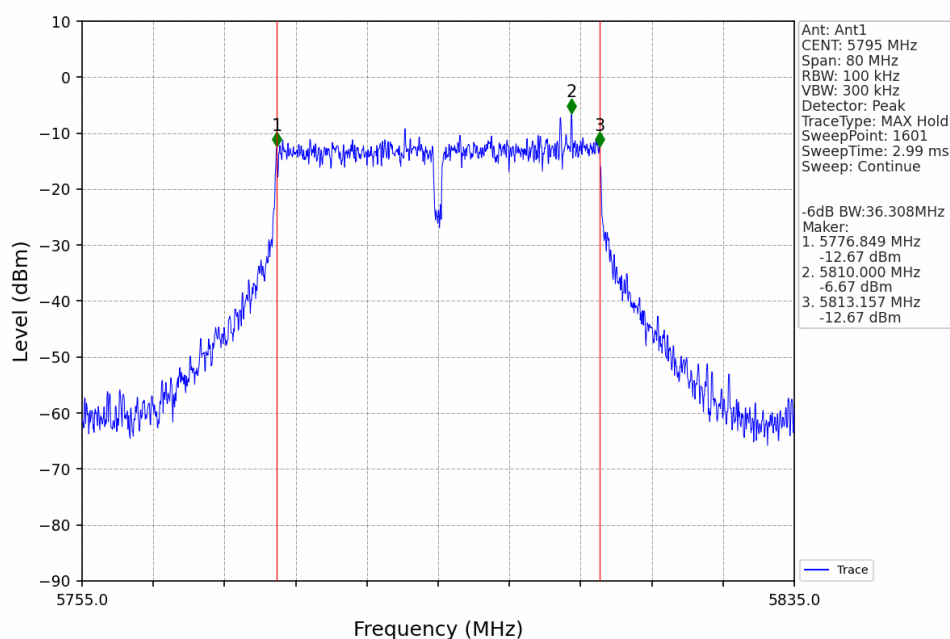
802.11n(HT20) HCH 5825MHz Ant1 NTN



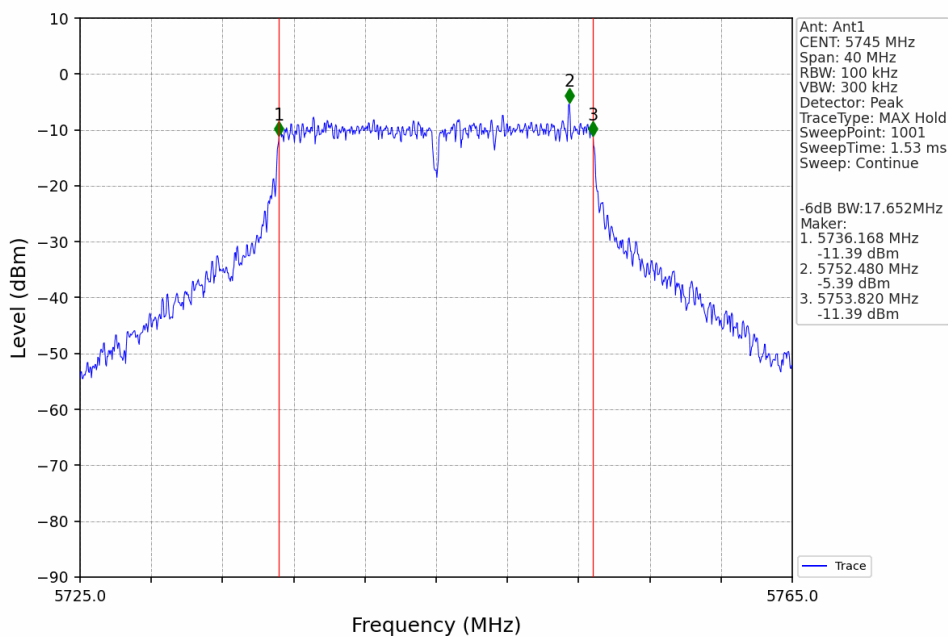
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



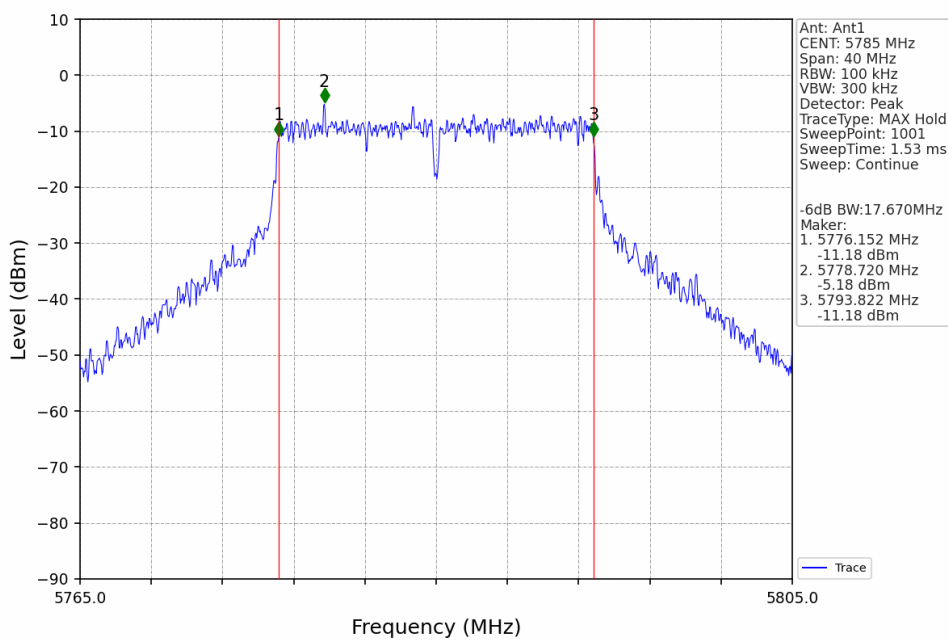
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



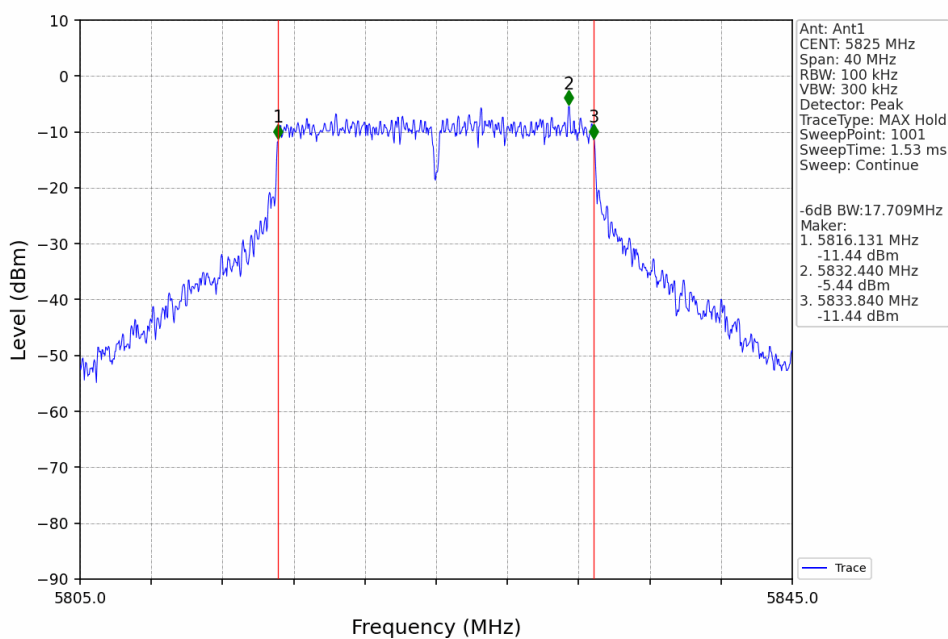
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



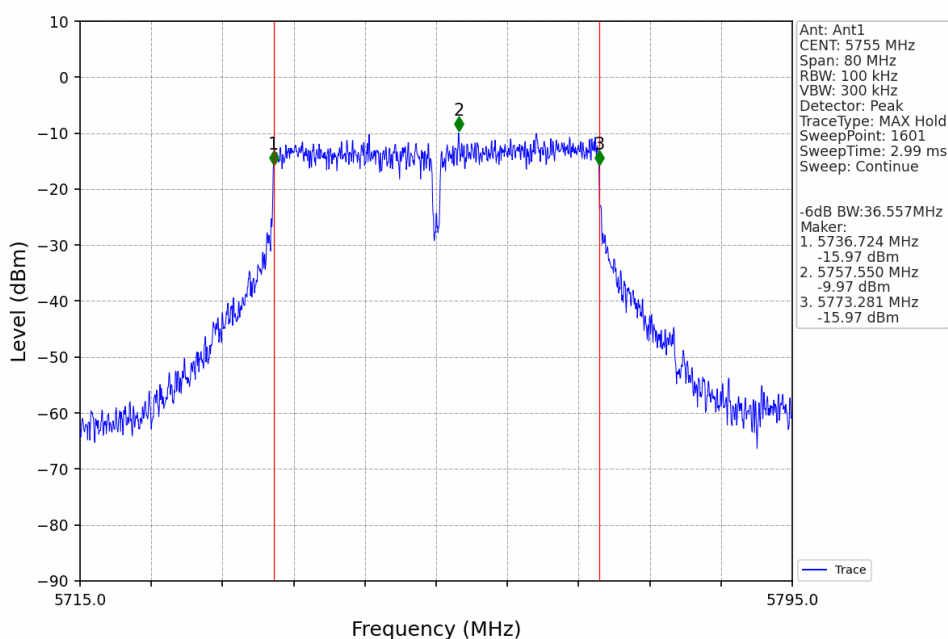
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



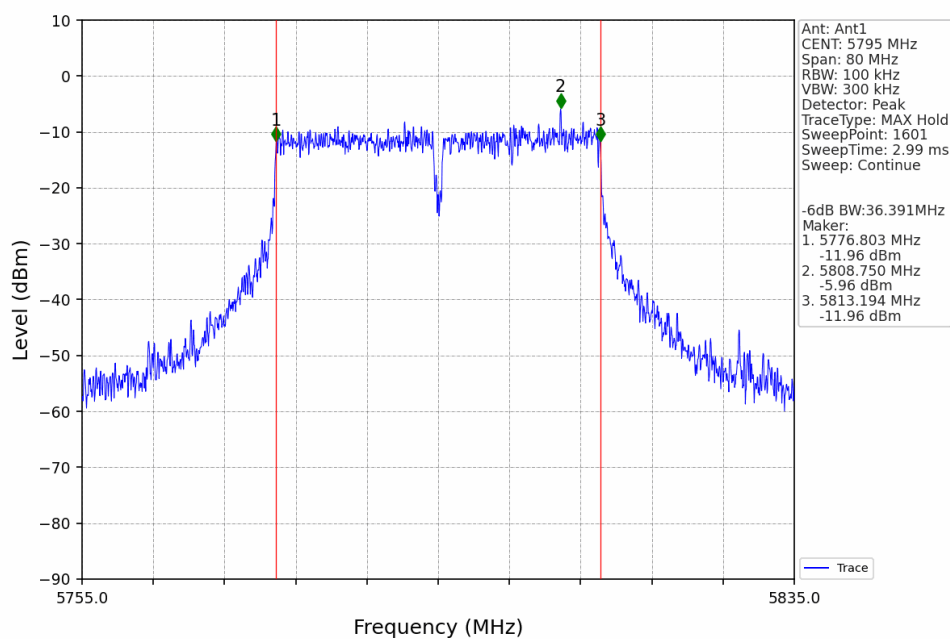
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



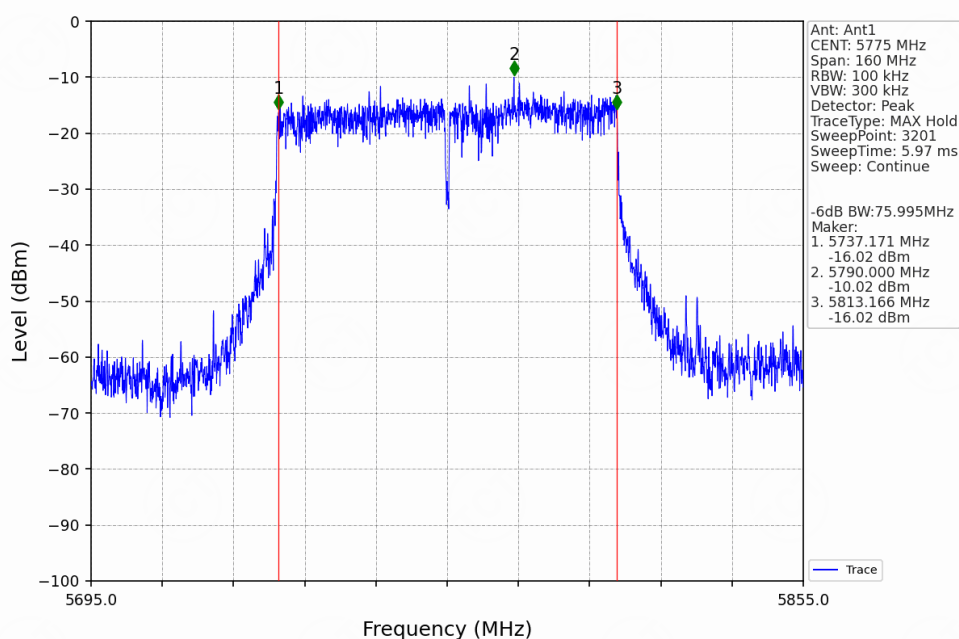
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



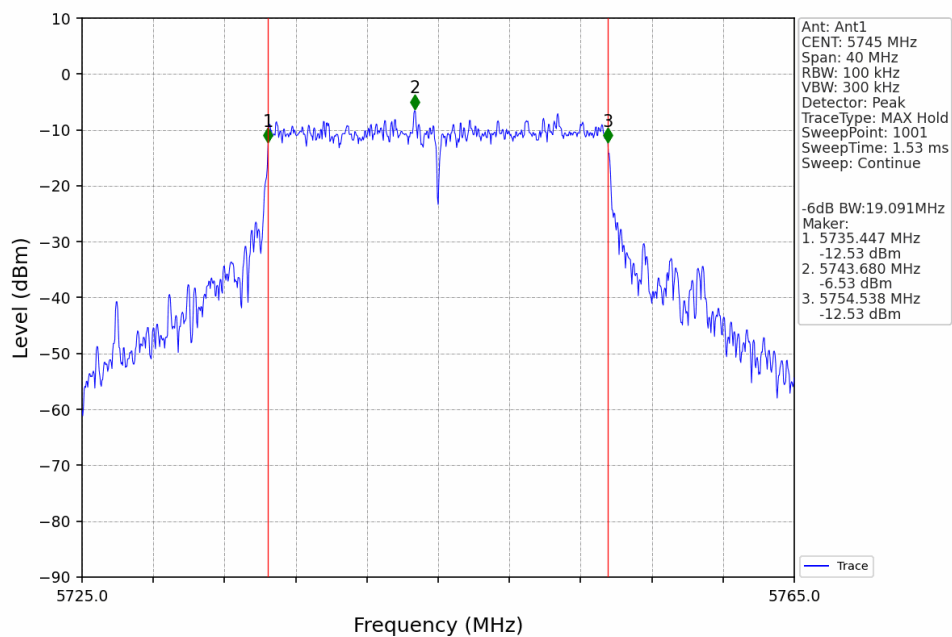
802.11ac(VHT40) HCH 5795MHz Ant1_NTNV



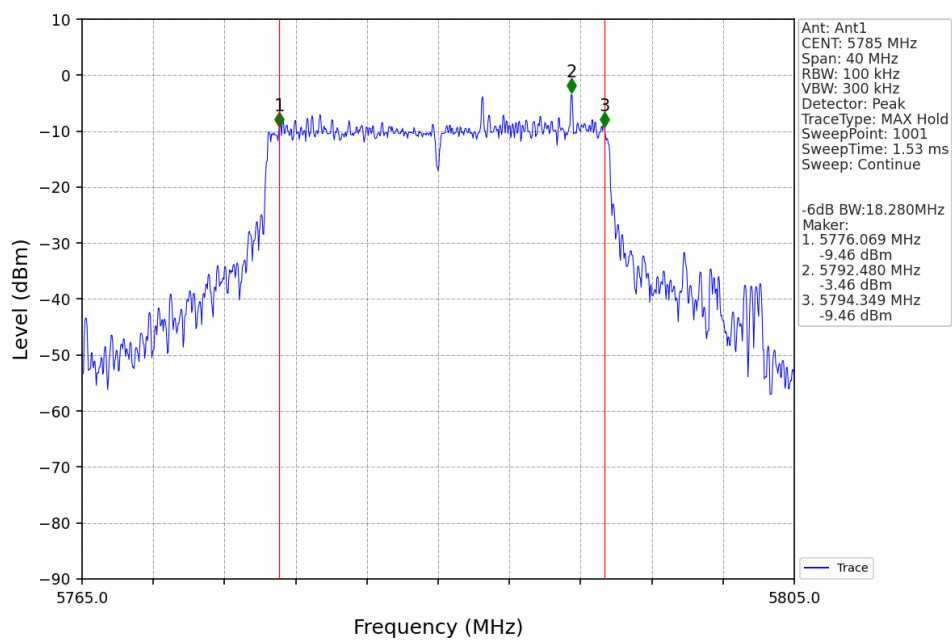
802.11ac(VHT80) MCH 5775MHz Ant1_NTNV



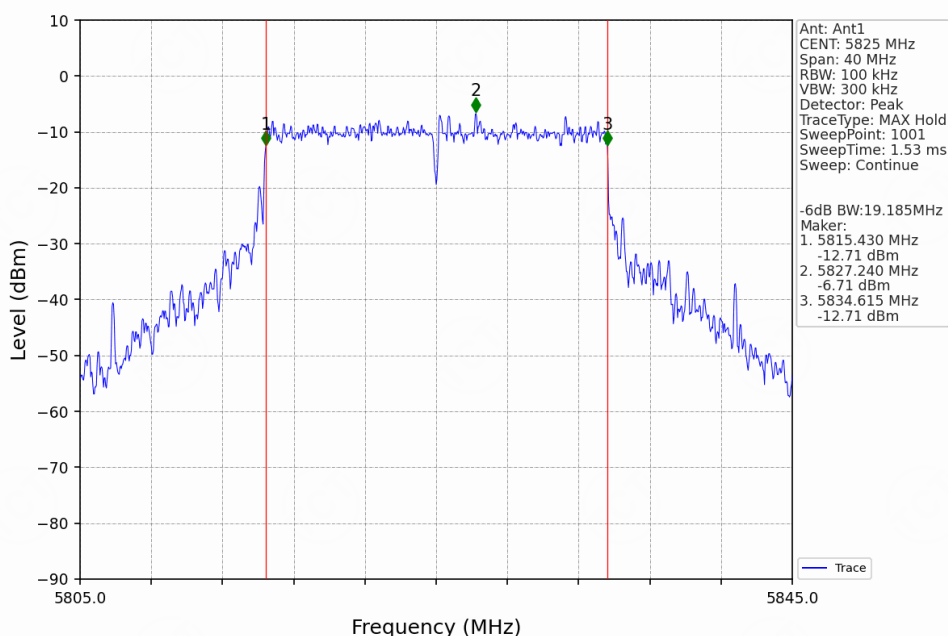
802.11ax(HEW20) LCH 5745MHz SU / Ant1 NTNV



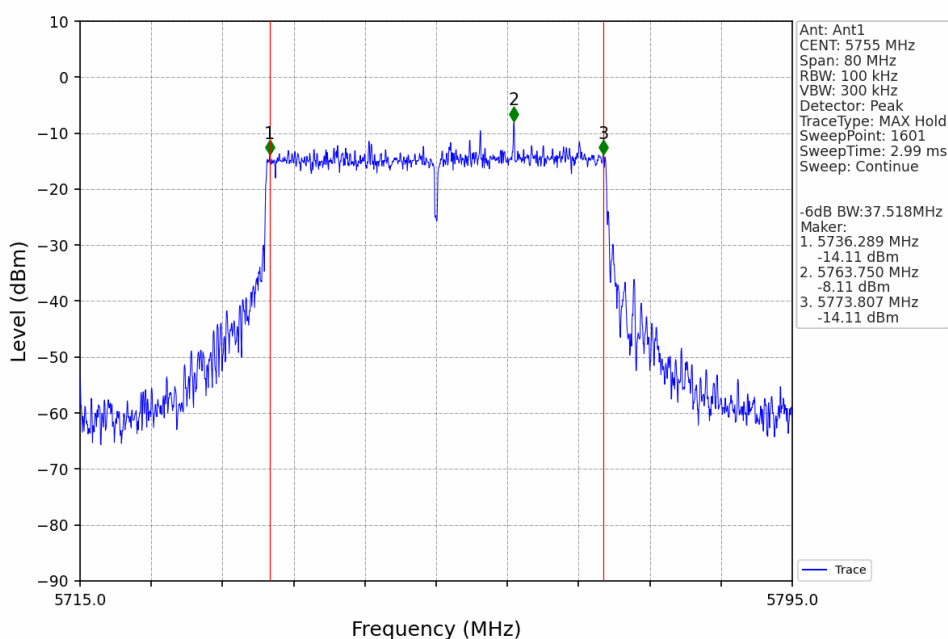
802.11ax(HEW20) MCH 5785MHz SU / Ant1 NTNV



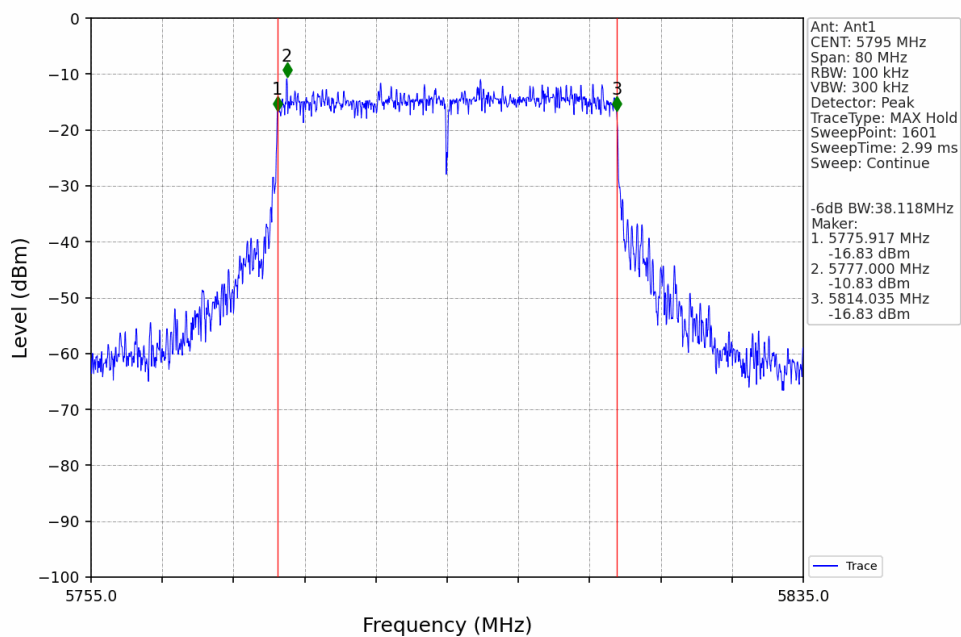
802.11ax(HEW20) HCH 5825MHz SU / Ant1 NTV



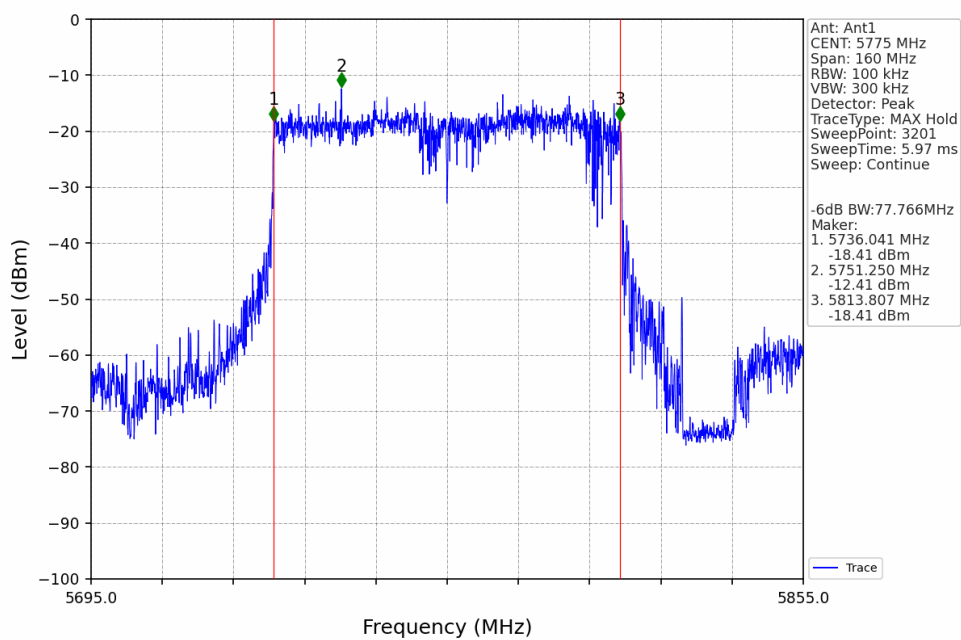
802.11ax(HEW40) LCH 5755MHz SU / Ant1 NTV



802.11ax(HEW40) HCH 5795MHz SU / Ant1 NTN



802.11ax(HEW80) MCH 5775MHz 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	/	/	6.94	<=23.98	Pass
		5200	/	/	7.84	<=23.98	Pass
		5240	/	/	7.44	<=23.98	Pass
		5745	/	/	6.37	<=30	Pass
		5785	/	/	7.97	<=30	Pass
		5825	/	/	7.00	<=30	Pass
802.11n (HT20)	SISO	5180	/	/	6.98	<=23.98	Pass
		5200	/	/	6.57	<=23.98	Pass
		5240	/	/	8.87	<=23.98	Pass
		5745	/	/	7.00	<=30	Pass
		5785	/	/	7.38	<=30	Pass
		5825	/	/	7.92	<=30	Pass
802.11n (HT40)	SISO	5190	/	/	8.60	<=23.98	Pass
		5230	/	/	6.64	<=23.98	Pass
		5755	/	/	8.08	<=30	Pass
		5795	/	/	8.40	<=30	Pass
802.11ac (VHT20)	SISO	5180	/	/	6.61	<=23.98	Pass
		5200	/	/	7.37	<=23.98	Pass
		5240	/	/	8.03	<=23.98	Pass
		5745	/	/	7.20	<=30	Pass
		5785	/	/	7.71	<=30	Pass
		5825	/	/	8.26	<=30	Pass
802.11ac (VHT40)	SISO	5190	/	/	7.18	<=23.98	Pass
		5230	/	/	8.32	<=23.98	Pass
		5755	/	/	7.76	<=30	Pass
		5795	/	/	9.37	<=30	Pass
802.11ac (VHT80)	SISO	5210	/	/	8.33	<=23.98	Pass
		5775	/	/	6.45	<=30	Pass
802.11ax (HEW20)	SISO	5180	SU	/	7.36	<=23.98	Pass
		5200	SU	/	8.44	<=23.98	Pass
		5240	SU	/	7.57	<=23.98	Pass
		5745	SU	/	6.92	<=30	Pass
		5785	SU	/	7.32	<=30	Pass
		5825	SU	/	7.83	<=30	Pass
802.11ax (HEW40)	SISO	5190	SU	/	7.34	<=23.98	Pass
		5230	SU	/	8.18	<=23.98	Pass
		5755	SU	/	6.07	<=30	Pass
		5795	SU	/	5.41	<=30	Pass
802.11ax (HEW80)	SISO	5210	SU	/	8.37	<=23.98	Pass
		5775	SU	/	8.17	<=30	Pass

Note1: Antenna Gain: 4.23dBi;

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	/	/	-2.76	<=11	Pass
		5200	/	/	-3.74	<=11	Pass
		5240	/	/	-2.68	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	-3.30	<=11	Pass
		5200	/	/	-2.11	<=11	Pass
		5240	/	/	-2.66	<=11	Pass
802.11n (HT40)	SISO	5190	/	/	-5.95	<=11	Pass
		5230	/	/	-5.26	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	-3.69	<=11	Pass
		5200	/	/	-3.04	<=11	Pass
		5240	/	/	-2.42	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-5.94	<=11	Pass
		5230	/	/	-5.34	<=11	Pass
802.11ac (VHT80)	SISO	5210	/	/	-7.41	<=11	Pass
802.11ax (HEW20)	SISO	5180	SU	/	-3.11	<=11	Pass
		5200	SU	/	-2.87	<=11	Pass
		5240	SU	/	-2.59	<=11	Pass
802.11ax (HEW40)	SISO	5190	SU	/	-7.12	<=11	Pass
		5230	SU	/	-5.10	<=11	Pass
802.11ax (HEW80)	SISO	5210	SU	/	-7.58	<=11	Pass

Note1: Antenna Gain: 4.23dBi;
Note2: Test result contains DCCF

4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-6.94	<=30	Pass
		5785	/	/	-5.46	<=30	Pass
		5825	/	/	-5.36	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-6.94	<=30	Pass
		5785	/	/	-6.42	<=30	Pass
		5825	/	/	-6.36	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-8.66	<=30	Pass
		5795	/	/	-8.54	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-5.57	<=30	Pass
		5785	/	/	-6.48	<=30	Pass
		5825	/	/	-5.18	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-8.49	<=30	Pass
		5795	/	/	-6.90	<=30	Pass
802.11ac (VHT80)	SISO	5775	/	/	-11.70	<=30	Pass
802.11ax (HEW20)	SISO	5745	SU	/	-6.08	<=30	Pass
		5785	SU	/	-5.83	<=30	Pass
		5825	SU	/	-5.75	<=30	Pass
802.11ax (HEW40)	SISO	5755	SU	/	-9.36	<=30	Pass
		5795	SU	/	-9.18	<=30	Pass
802.11ax (HEW80)	SISO	5775	SU	/	-11.86	<=30	Pass

Note1: Antenna Gain: 4.23dBi;
Note2: Test Result contains DCCF and RBW Factor= $10 \cdot \log(500\text{kHz}/300\text{kHz})=2.22$