

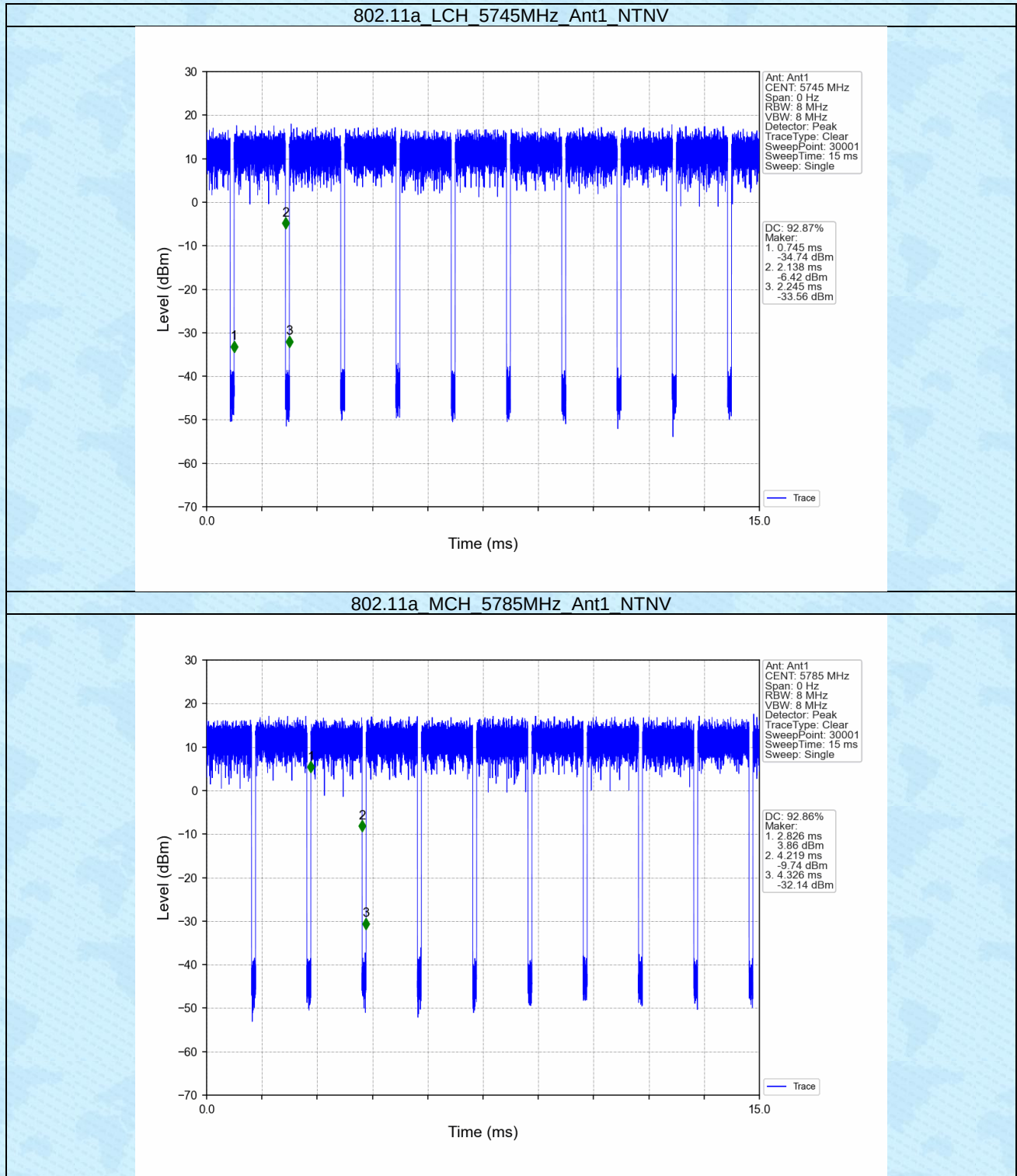
Appendix for 15.407

1. Duty Cycle

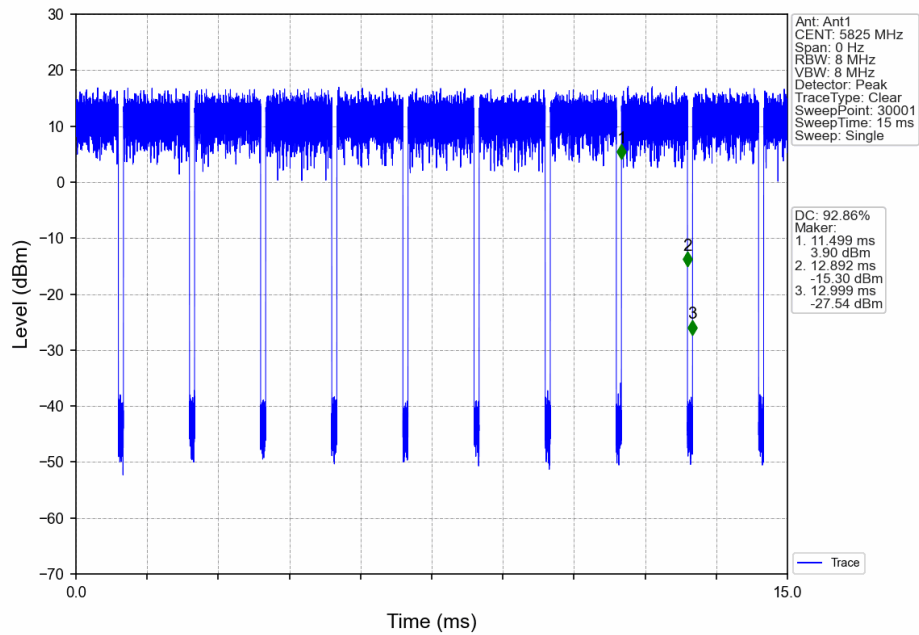
1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	1.393	1.500	92.87	0.32	0.03
		5785	1.392	1.499	92.86	0.32	0.03
		5825	1.392	1.499	92.86	0.32	0.03
802.11n (HT20)	SISO	5745	0.165	0.272	60.66	2.17	0.04
		5785	0.164	0.271	60.52	2.18	0.11
		5825	0.164	0.271	60.52	2.18	0.11
802.11n (HT40)	SISO	5755	0.101	0.289	34.95	4.57	11.60
		5795	0.100	0.279	35.84	4.46	12.55
802.11ac (VHT20)	SISO	5745	0.149	0.256	58.20	2.35	0.08
		5785	0.152	0.256	59.38	2.26	0.10
		5825	0.149	0.274	54.38	2.65	3.84
802.11ac (VHT40)	SISO	5755	0.088	0.267	32.96	4.82	6.78
		5795	0.089	0.295	30.17	5.20	15.30
802.11ac (VHT80)	SISO	5775	0.064	0.297	21.55	6.67	12.39

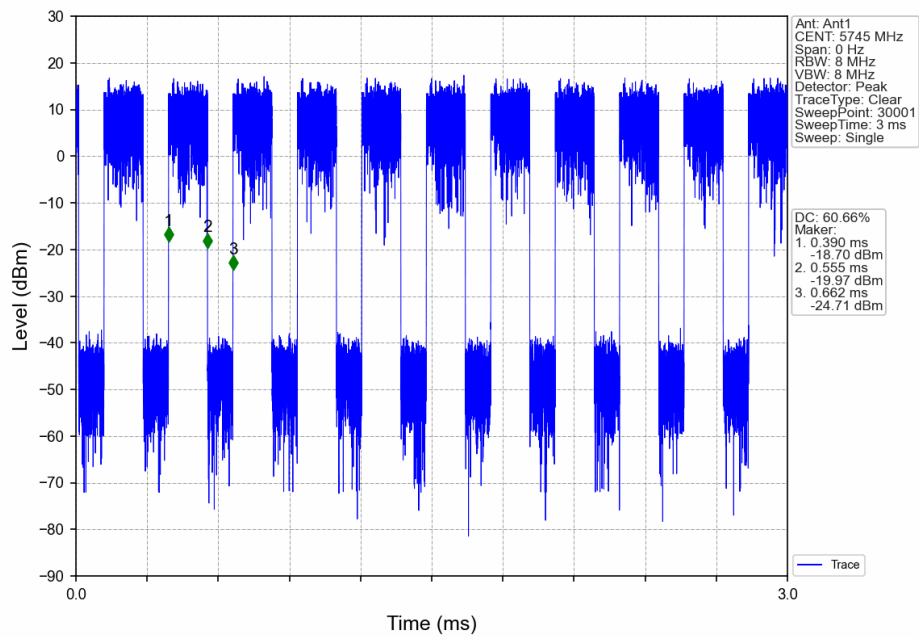
1.2 Test Graph



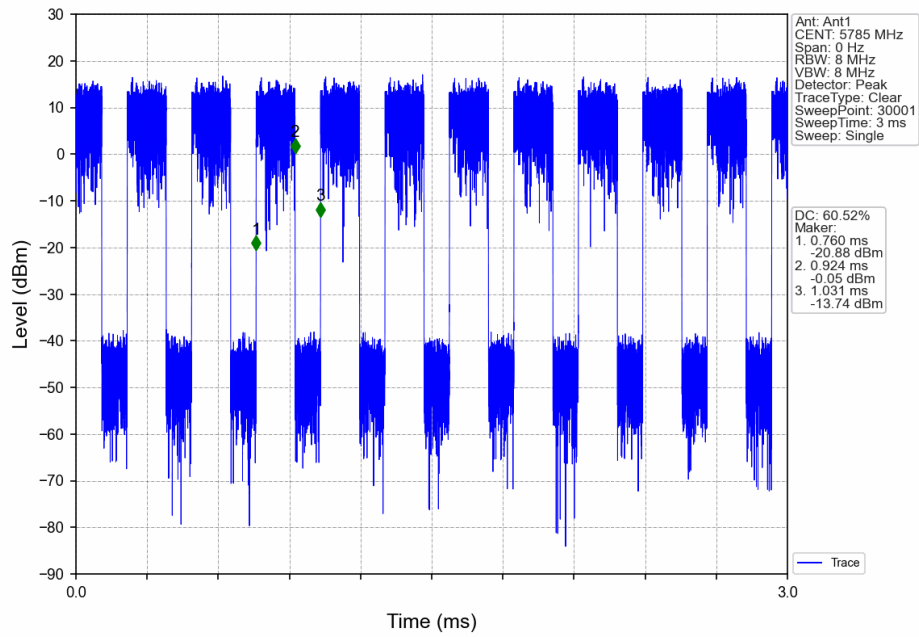
802.11a_HCH_5825MHz_Ant1_NTNV



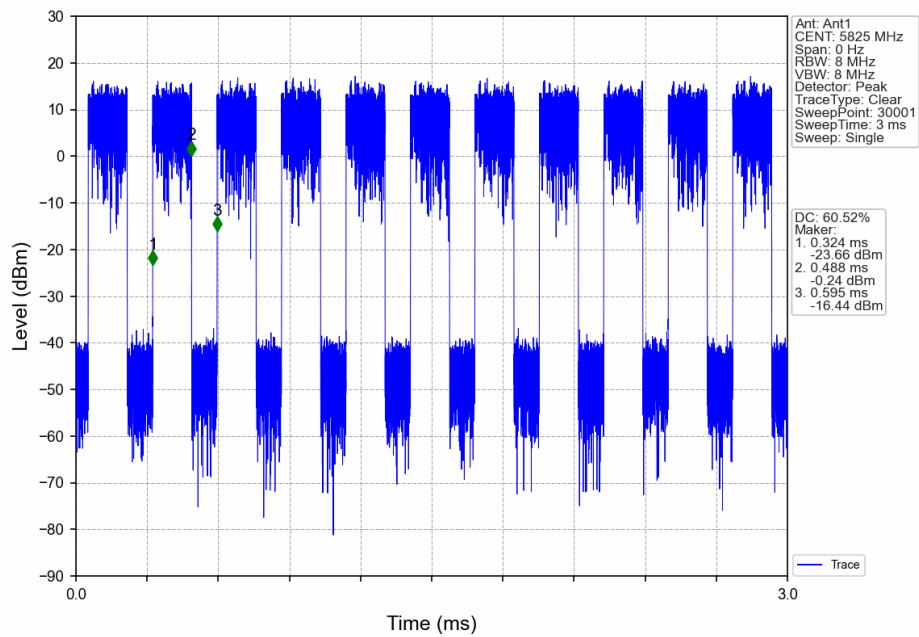
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



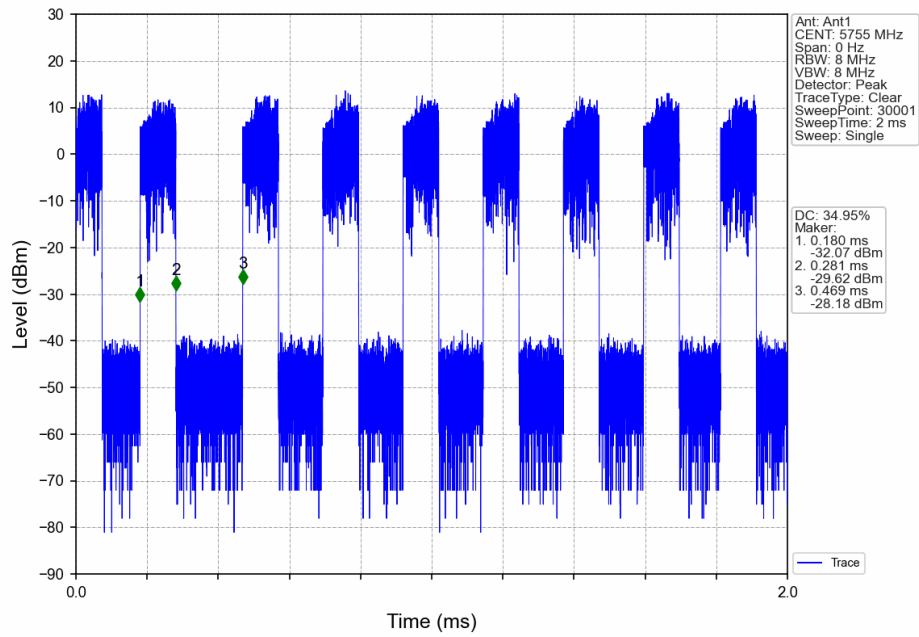
802.11n(HT20) MCH 5785MHz_Ant1_NTNV



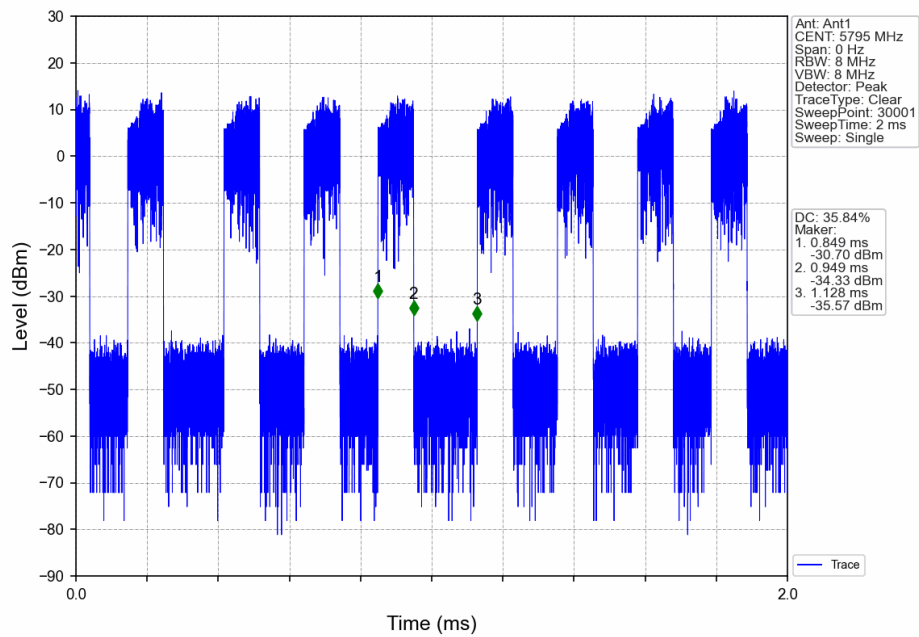
802.11n(HT20) HCH 5825MHz_Ant1_NTNV



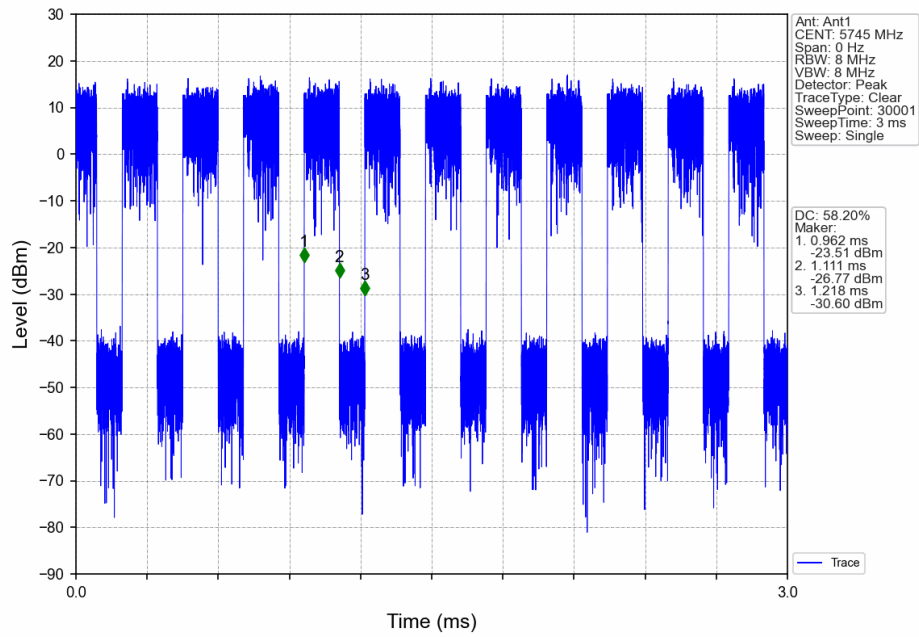
802.11n(HT40) LCH 5755MHz Ant1 NTN



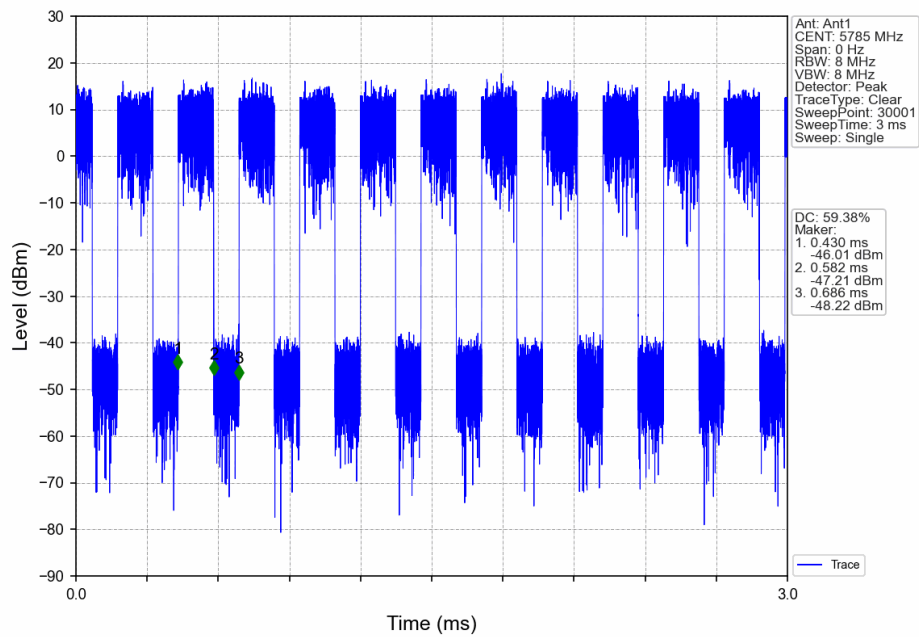
802.11n(HT40) HCH 5795MHz Ant1 NTN



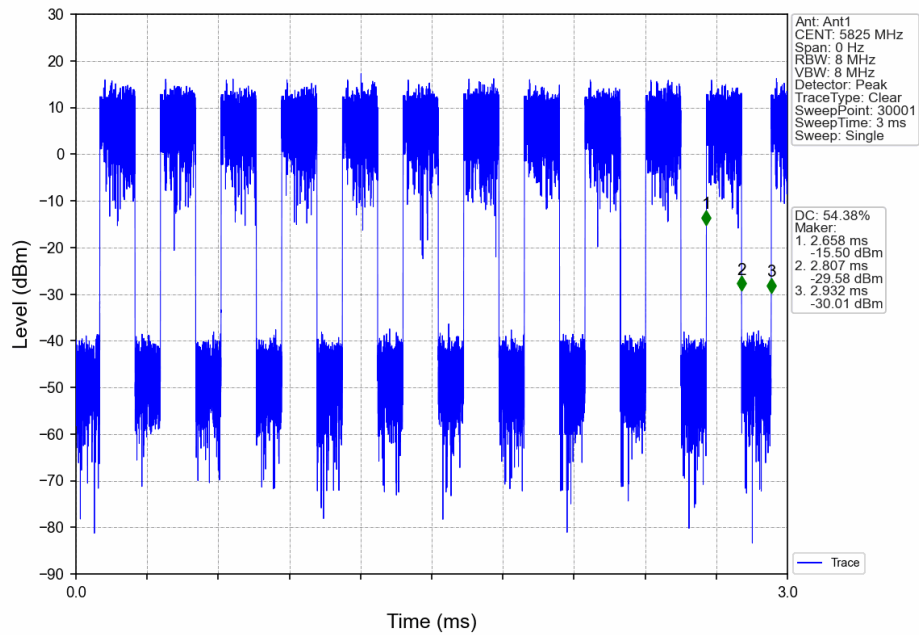
802.11ac(VHT20) LCH_5745MHz_Ant1_NTNV



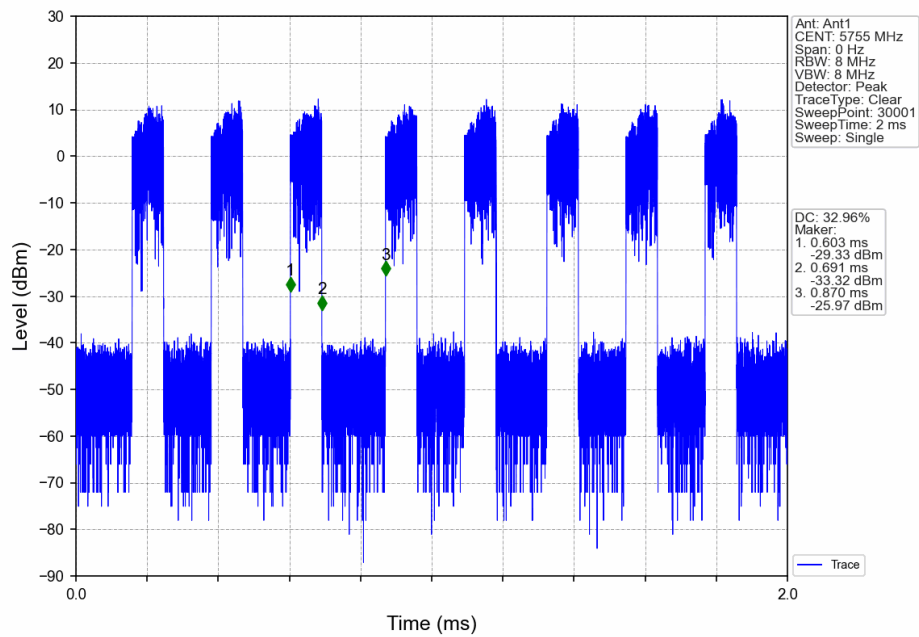
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



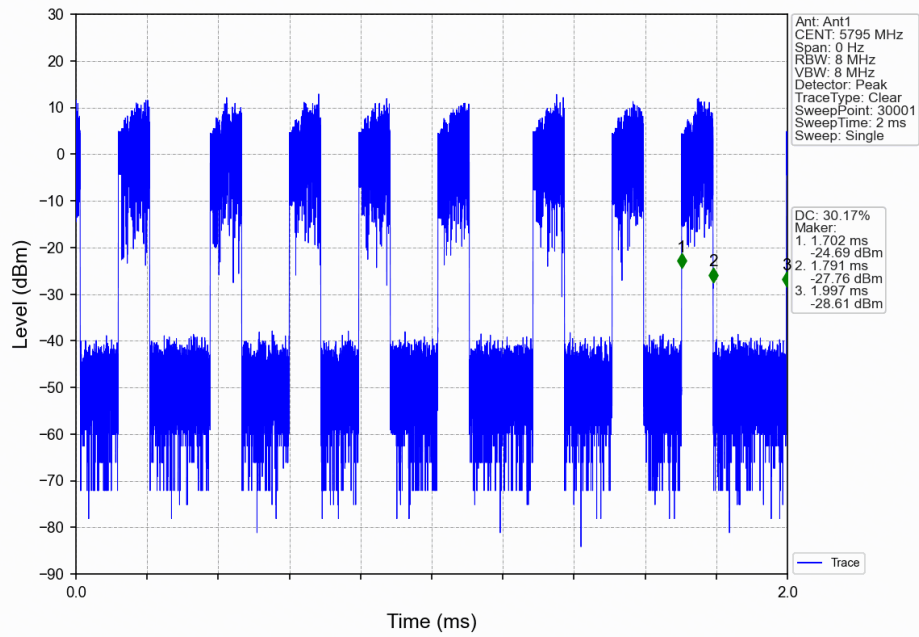
802.11ac(VHT20) HCH 5825MHz Ant1 NTN



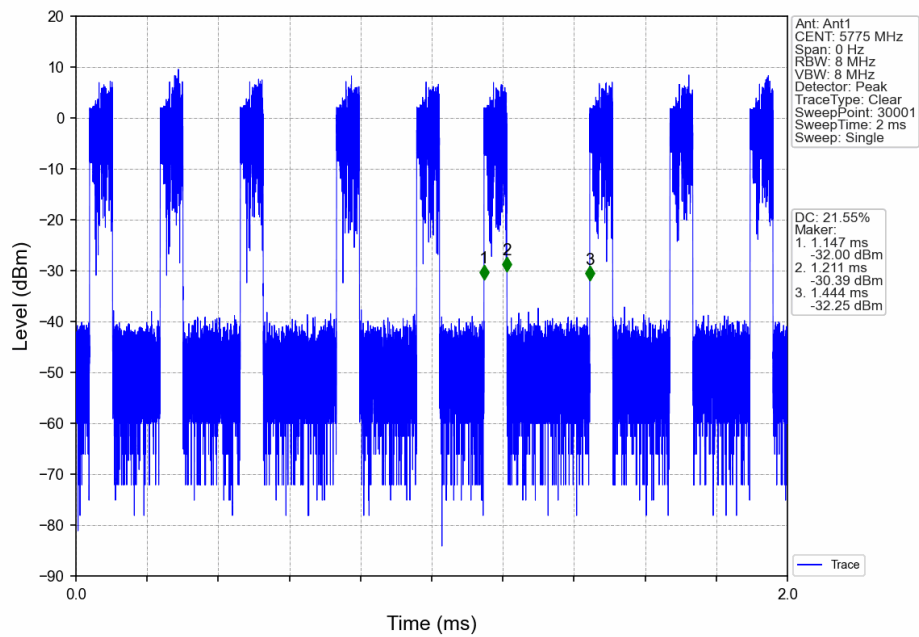
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTV



802.11ac(VHT80) MCH 5775MHz Ant1 NTV



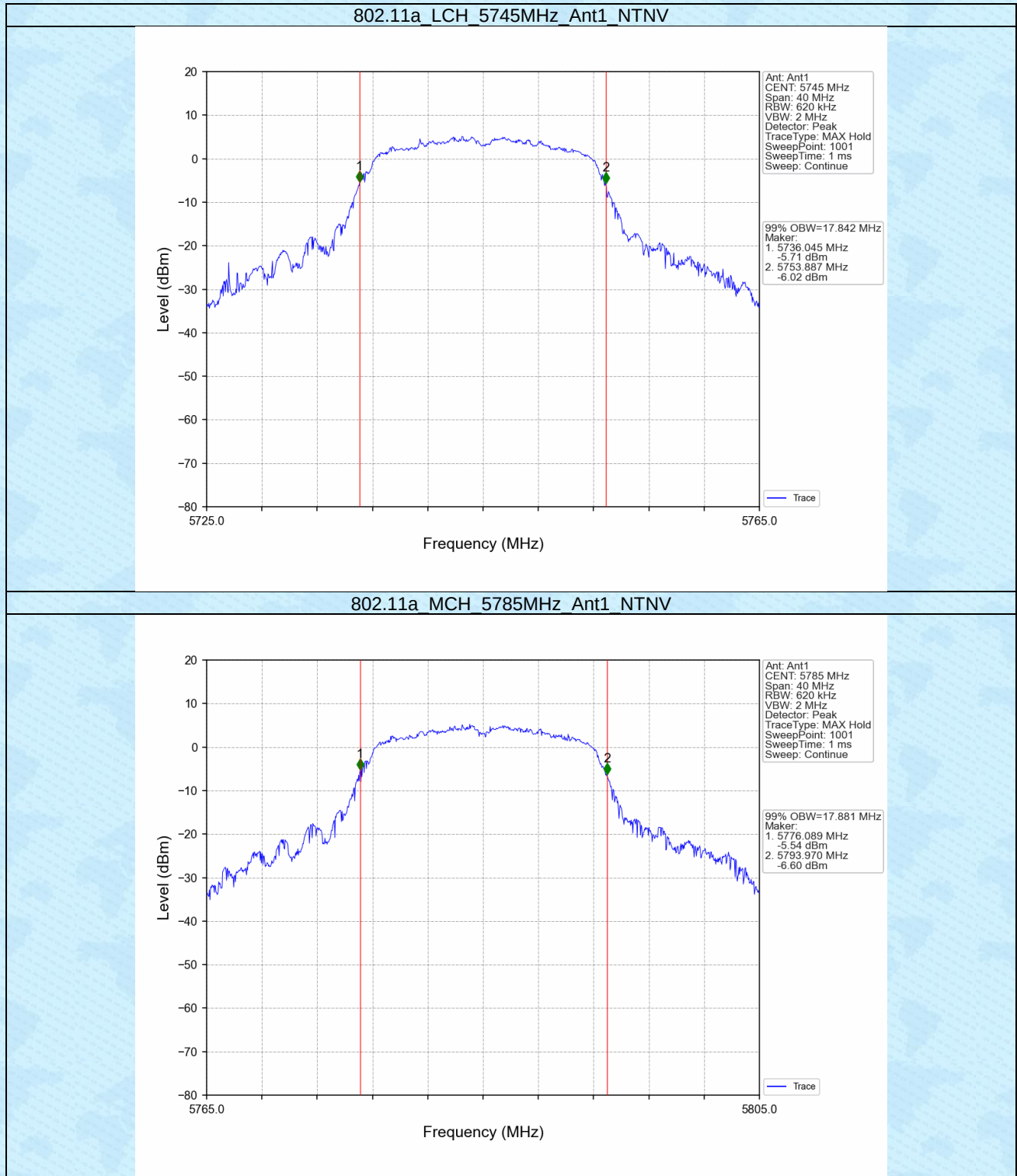
2. Bandwidth

2.1 OBW

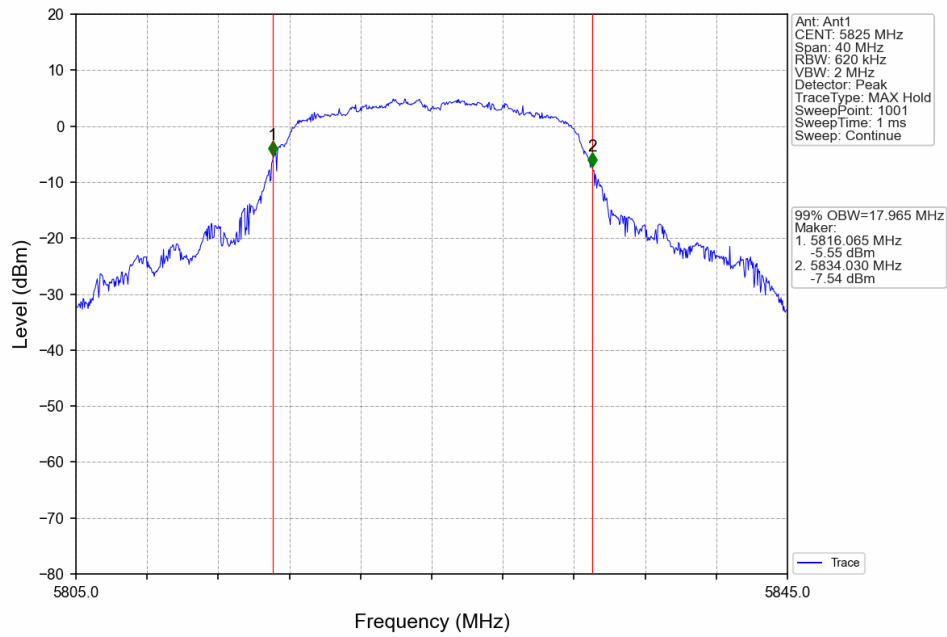
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5745	1	17.842	Pass
		5785	1	17.881	Pass
		5825	1	17.965	Pass
802.11n (HT20)	SISO	5745	1	17.895	Pass
		5785	1	17.925	Pass
		5825	1	17.942	Pass
802.11n (HT40)	SISO	5755	1	36.314	Pass
		5795	1	36.290	Pass
802.11ac (VHT20)	SISO	5745	1	18.153	Pass
		5785	1	18.170	Pass
		5825	1	18.162	Pass
802.11ac (VHT40)	SISO	5755	1	37.105	Pass
		5795	1	37.064	Pass
802.11ac (VHT80)	SISO	5775	1	76.937	Pass

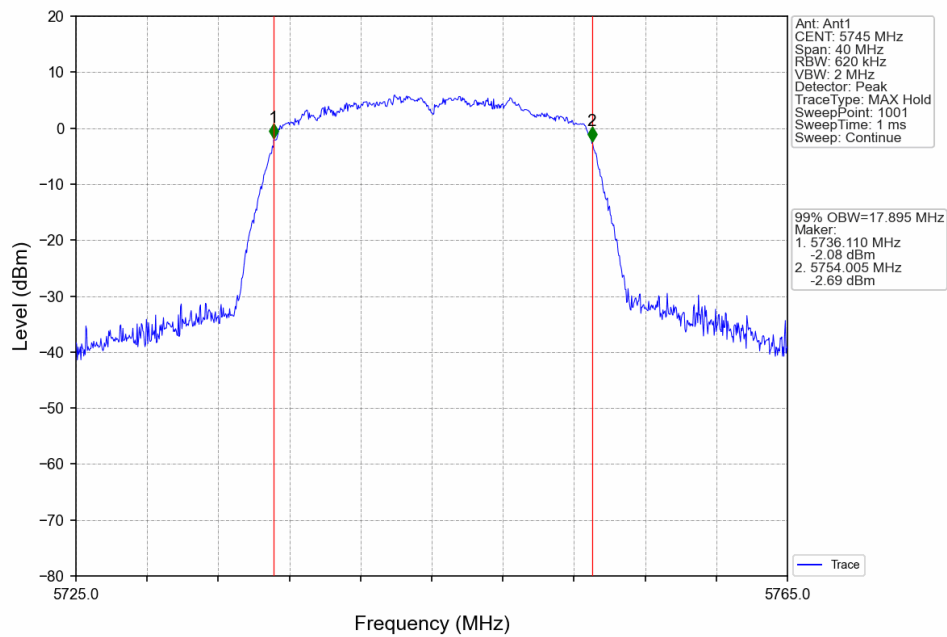
2.1.2 Test Graph



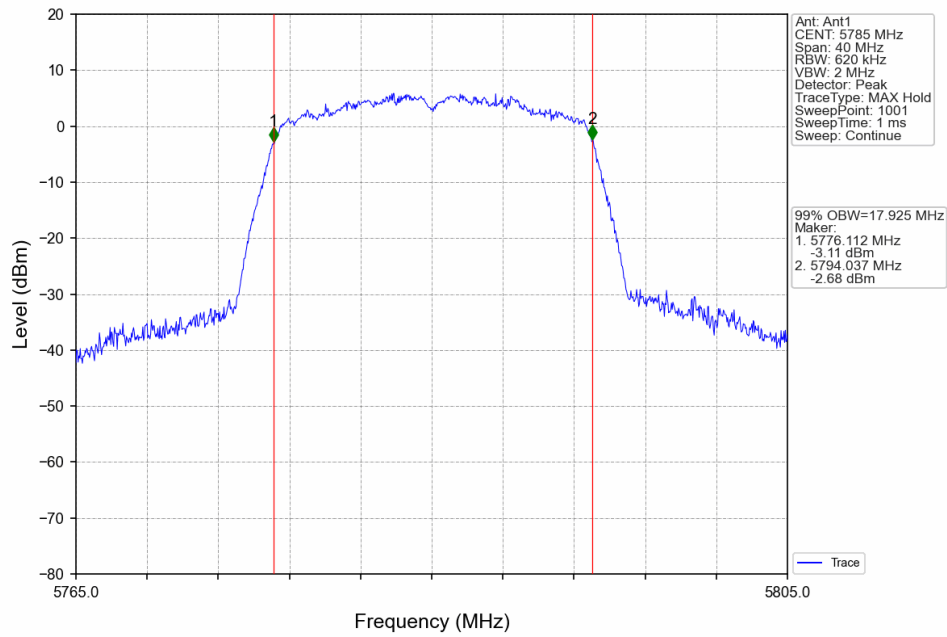
802.11a_HCH_5825MHz_Ant1_NTNV



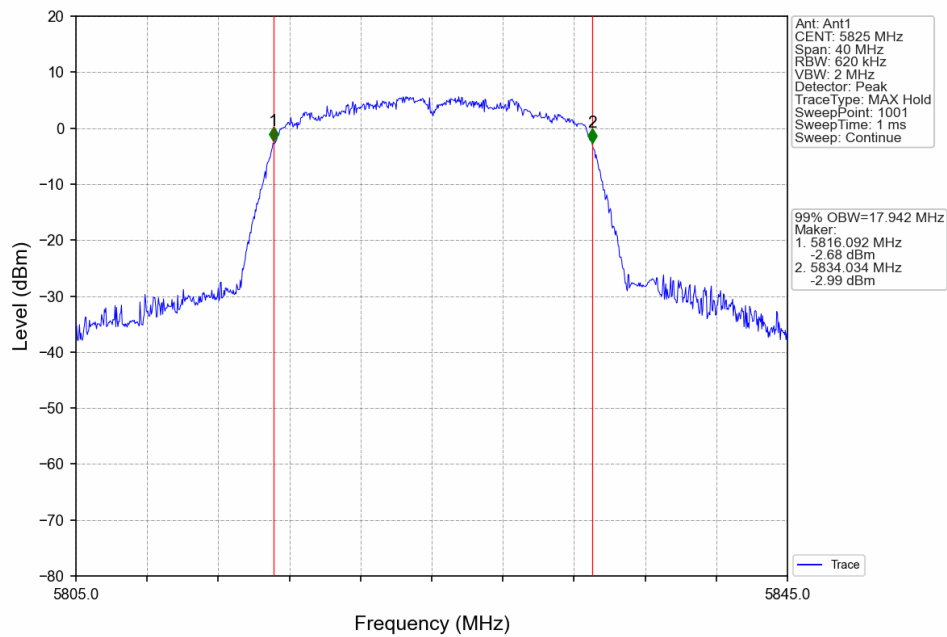
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



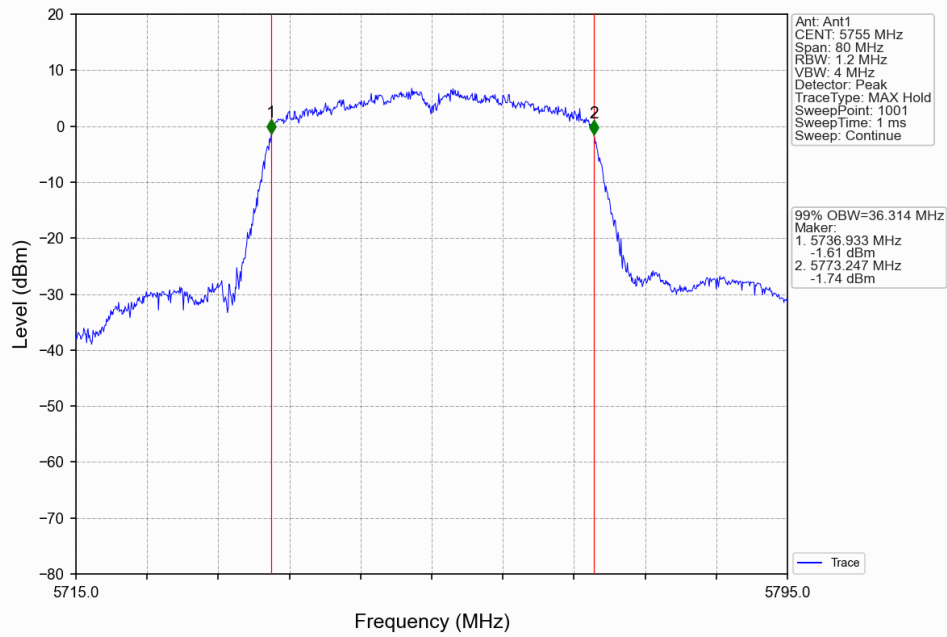
802.11n(HT20) MCH 5785MHz_Ant1_NTNV



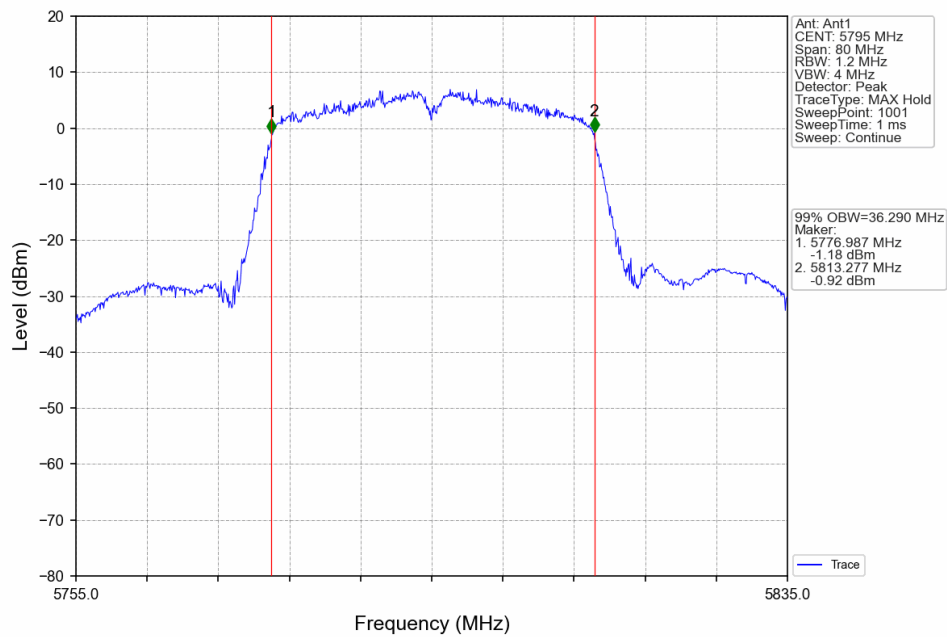
802.11n(HT20) HCH 5825MHz_Ant1_NTNV



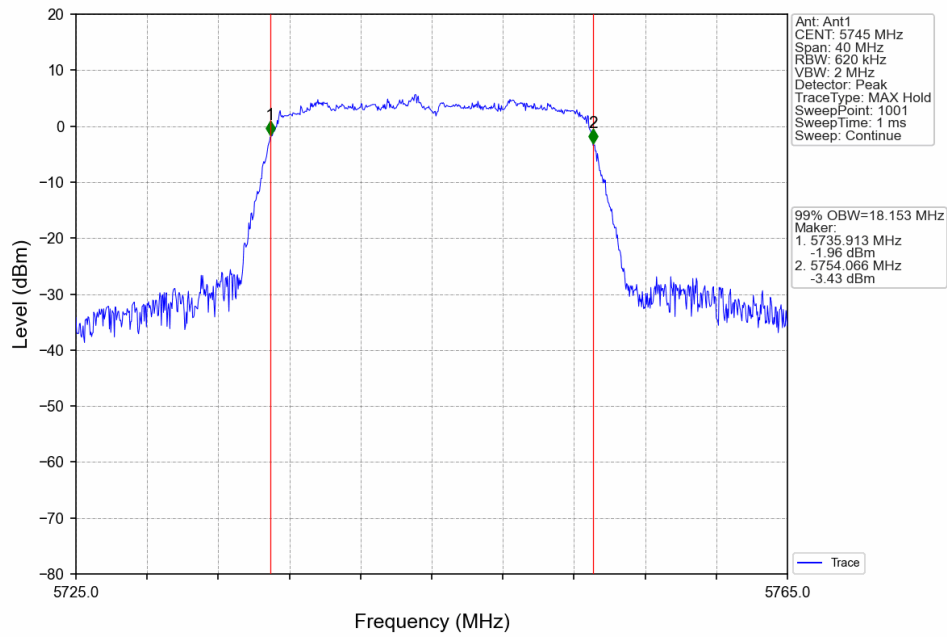
802.11n(HT40) LCH 5755MHz Ant1 NTN



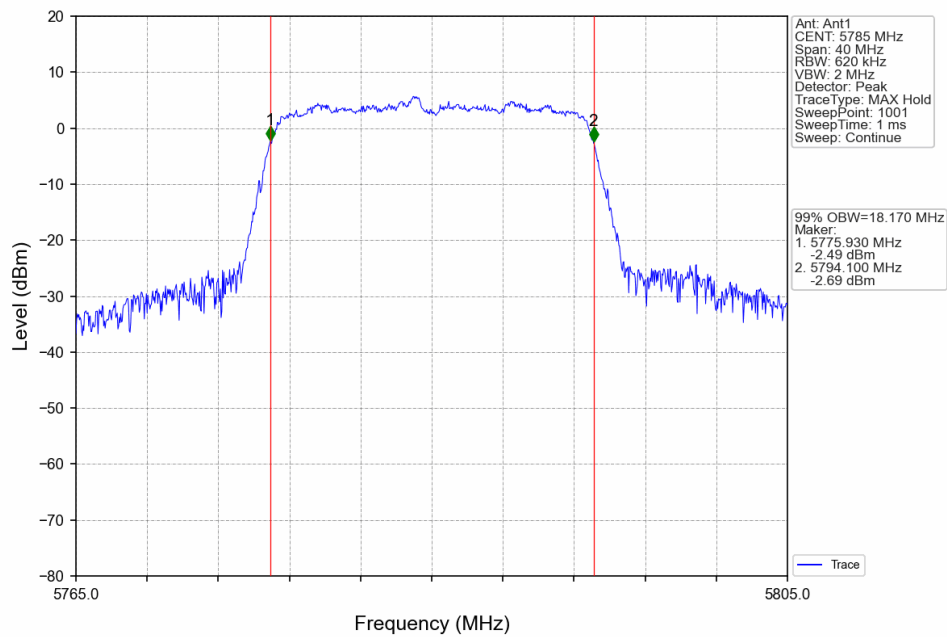
802.11n(HT40) HCH 5795MHz Ant1 NTN



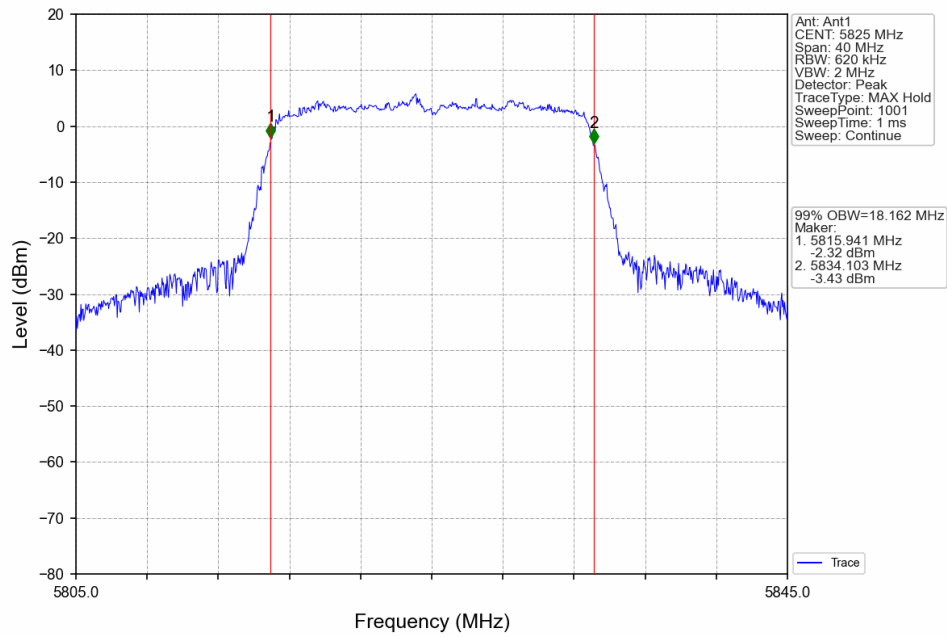
802.11ac(VHT20) LCH_5745MHz_Ant1_NTNV



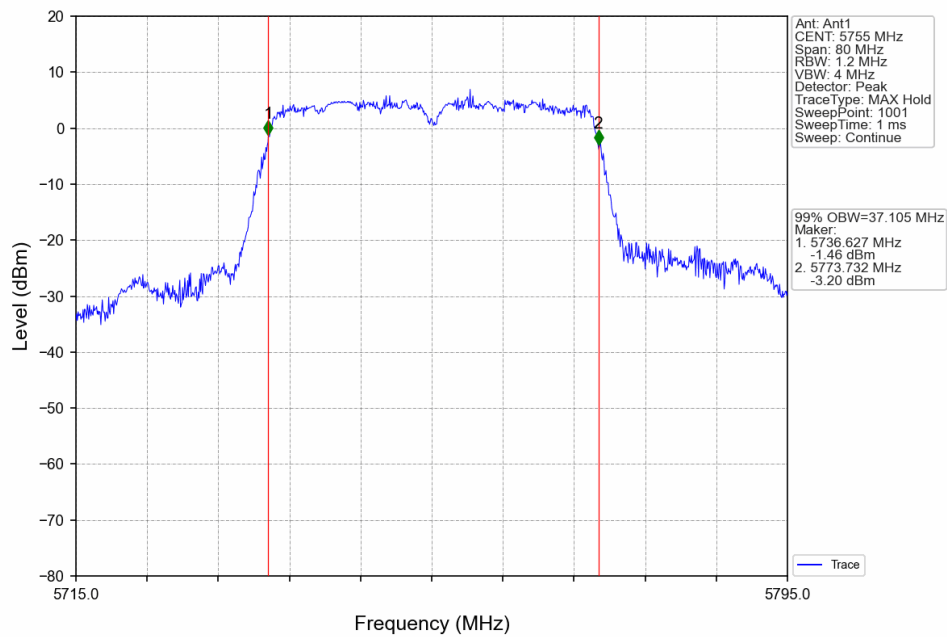
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



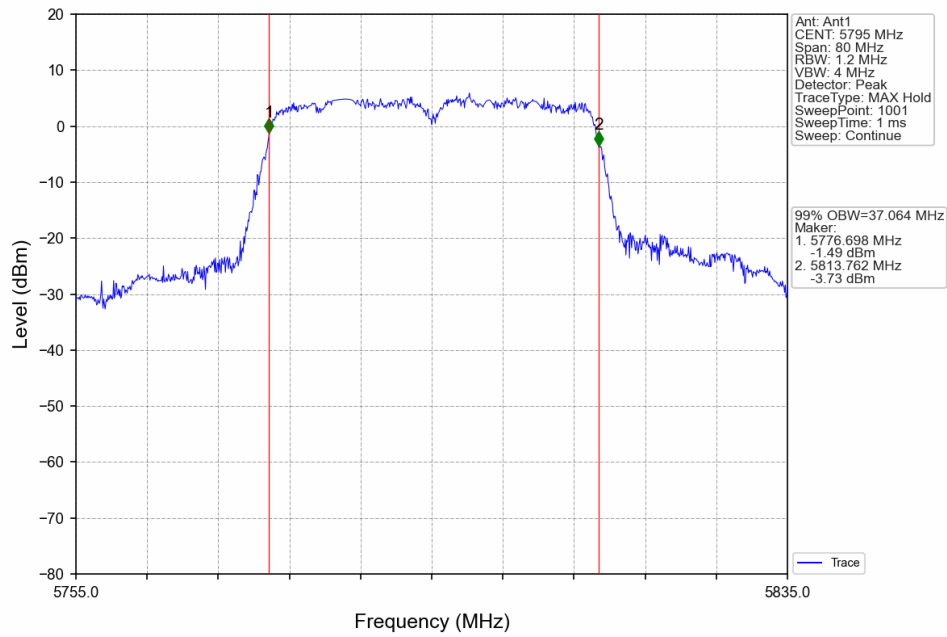
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



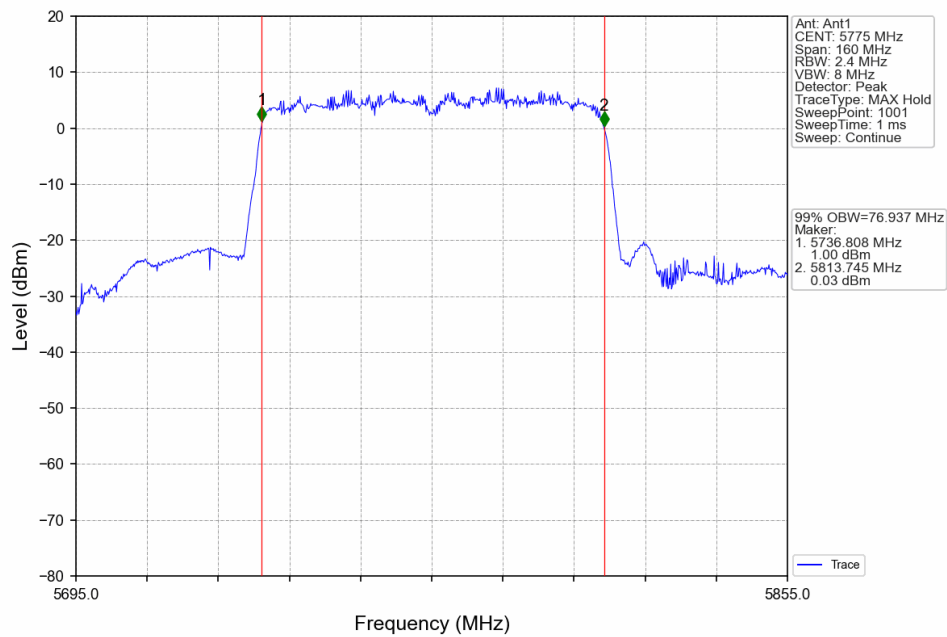
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

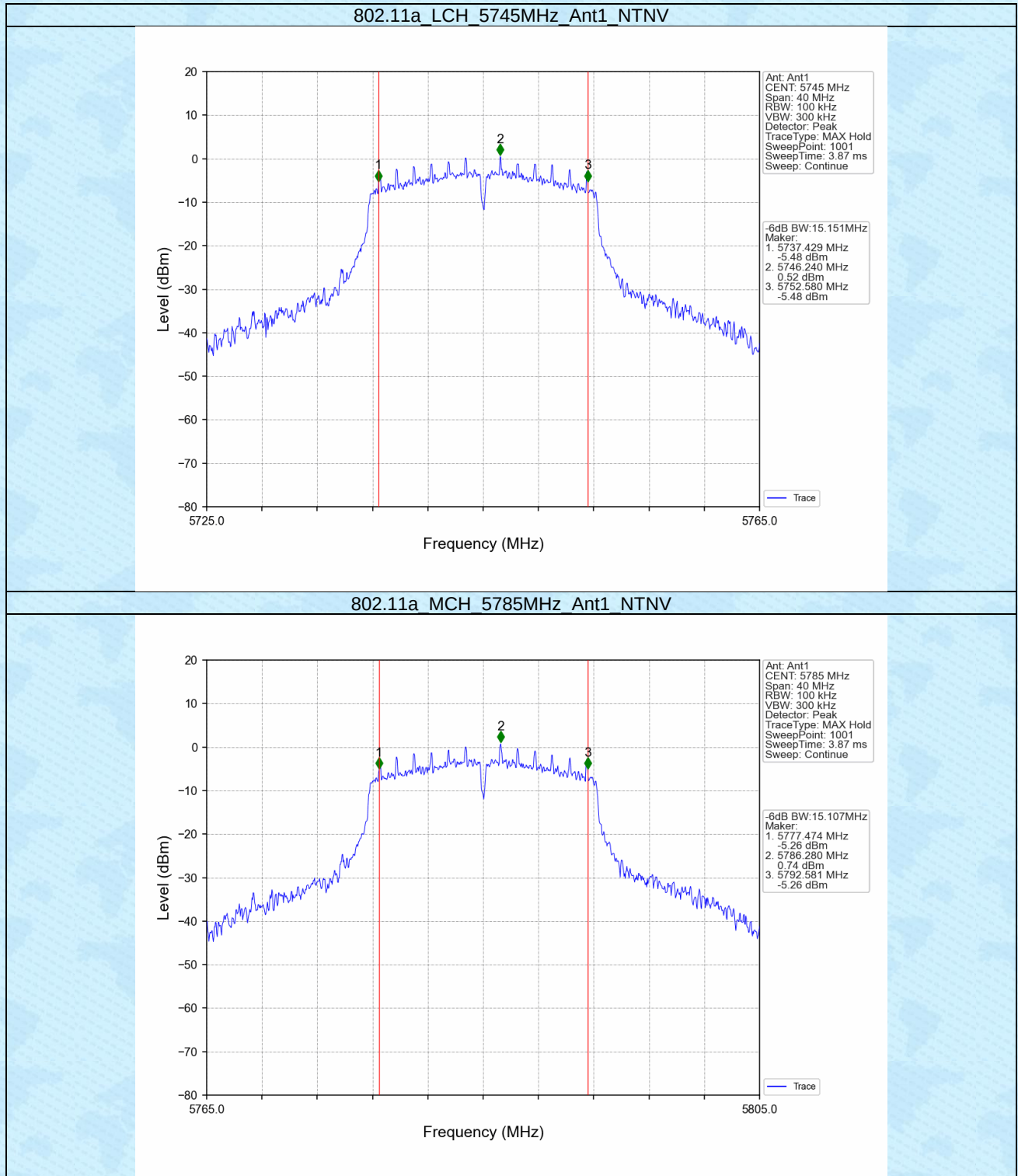


2.2 6dB BW

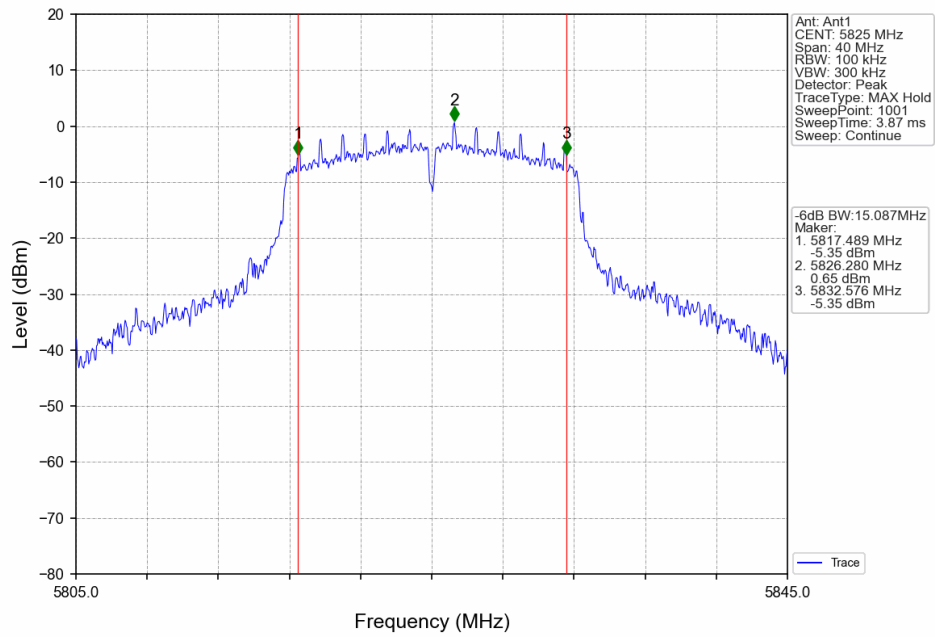
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.151	≥ 0.5	Pass
		5785	1	15.107	≥ 0.5	Pass
		5825	1	15.087	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	15.150	≥ 0.5	Pass
		5785	1	15.146	≥ 0.5	Pass
		5825	1	15.148	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.145	≥ 0.5	Pass
		5795	1	35.131	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.706	≥ 0.5	Pass
		5785	1	17.700	≥ 0.5	Pass
		5825	1	17.703	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	1	36.422	≥ 0.5	Pass
		5795	1	36.359	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	1	76.467	≥ 0.5	Pass

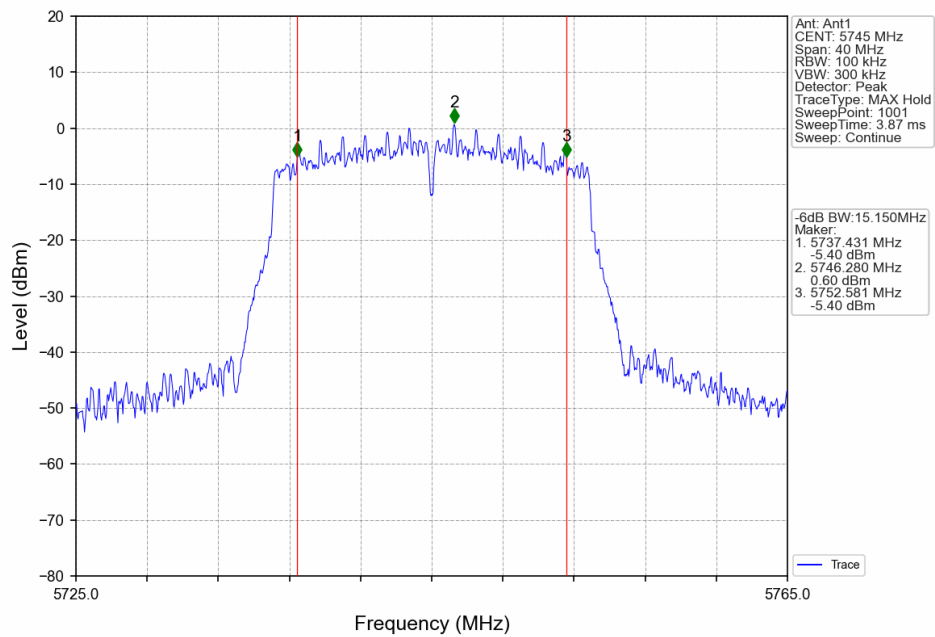
2.2.2 Test Graph



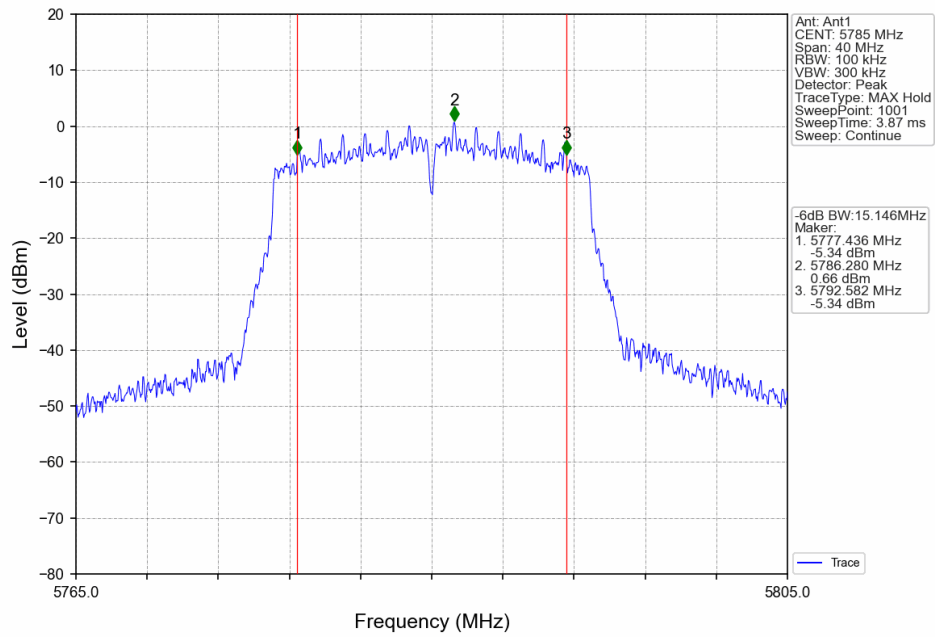
802.11a_HCH_5825MHz_Ant1_NTNV



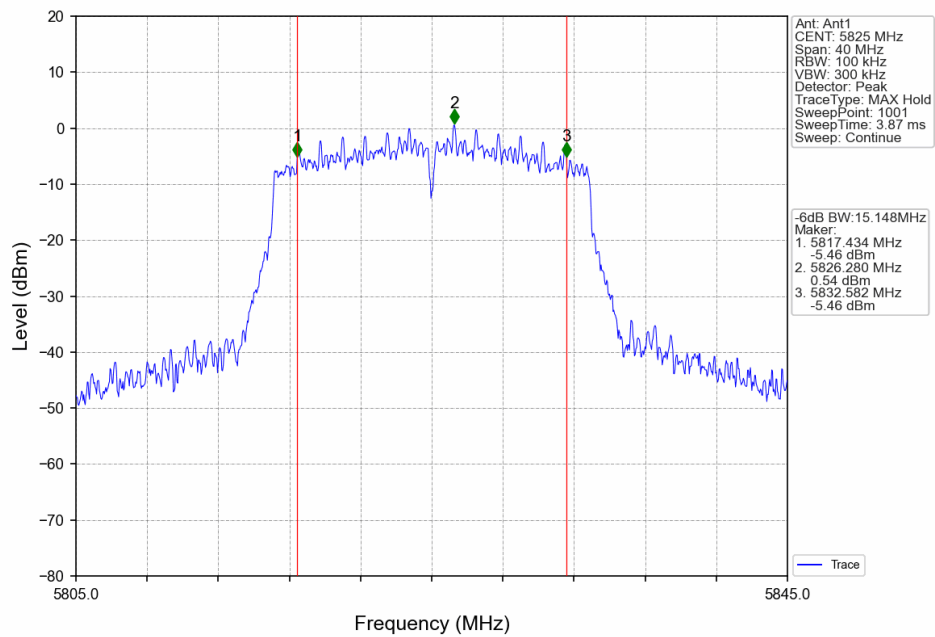
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



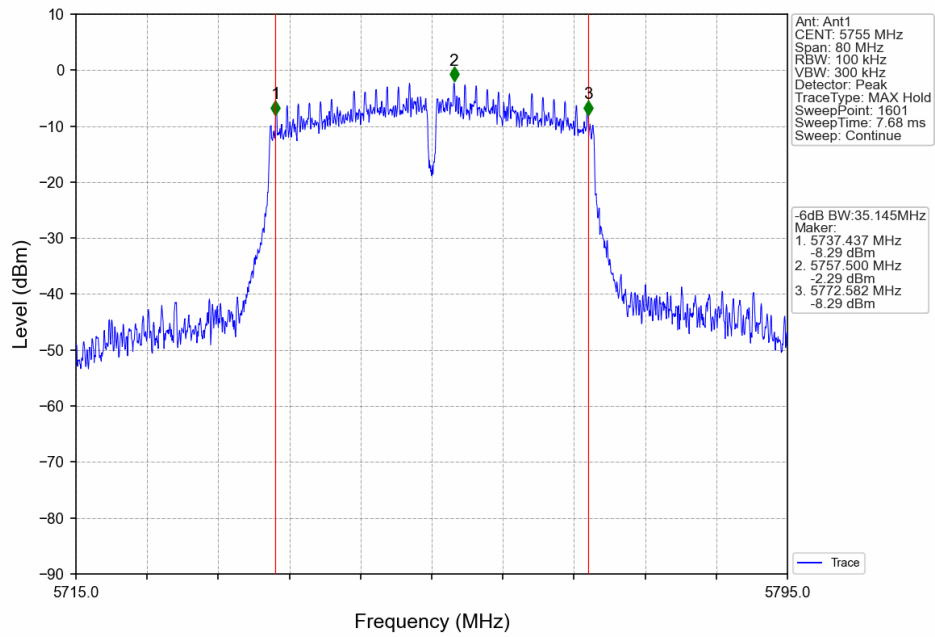
802.11n(HT20) MCH 5785MHz_Ant1_NTNV



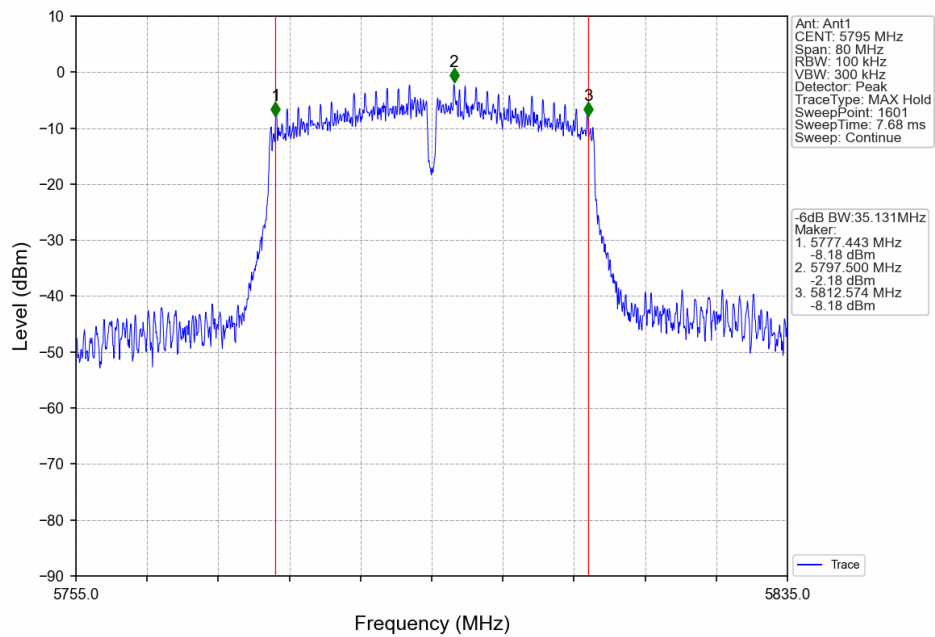
802.11n(HT20) HCH 5825MHz_Ant1_NTNV



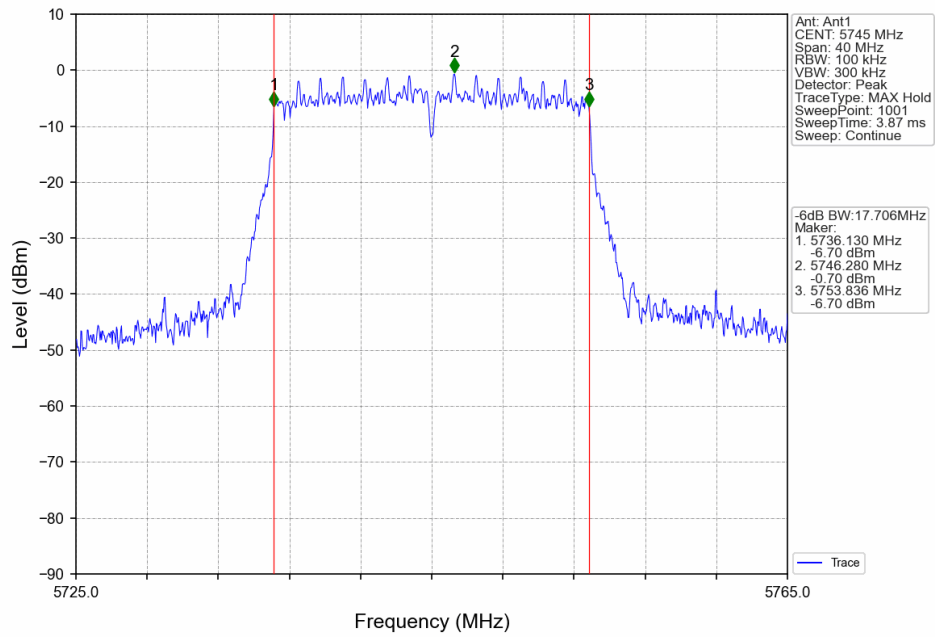
802.11n(HT40) LCH 5755MHz Ant1 NTN



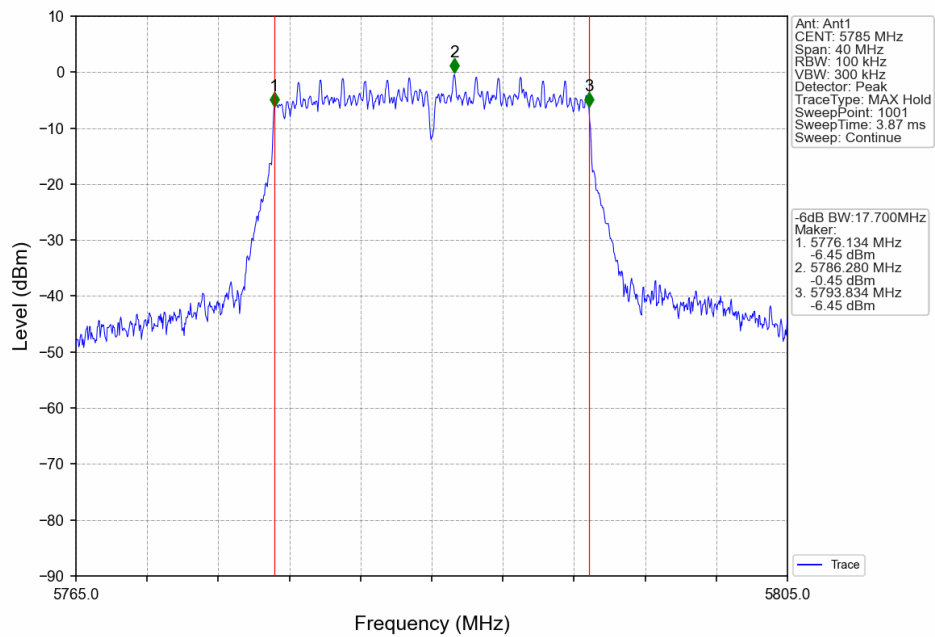
802.11n(HT40) HCH 5795MHz Ant1 NTN



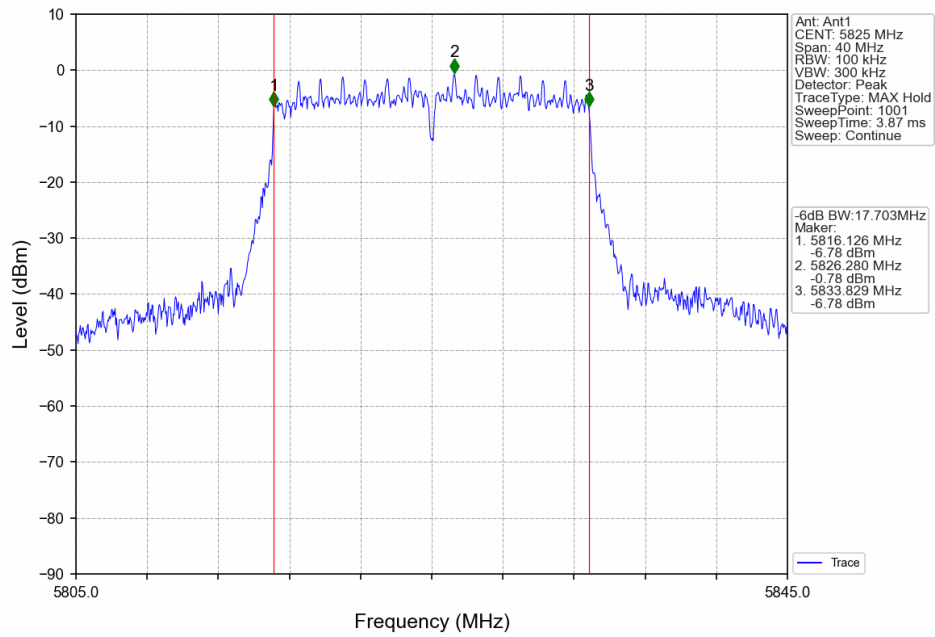
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



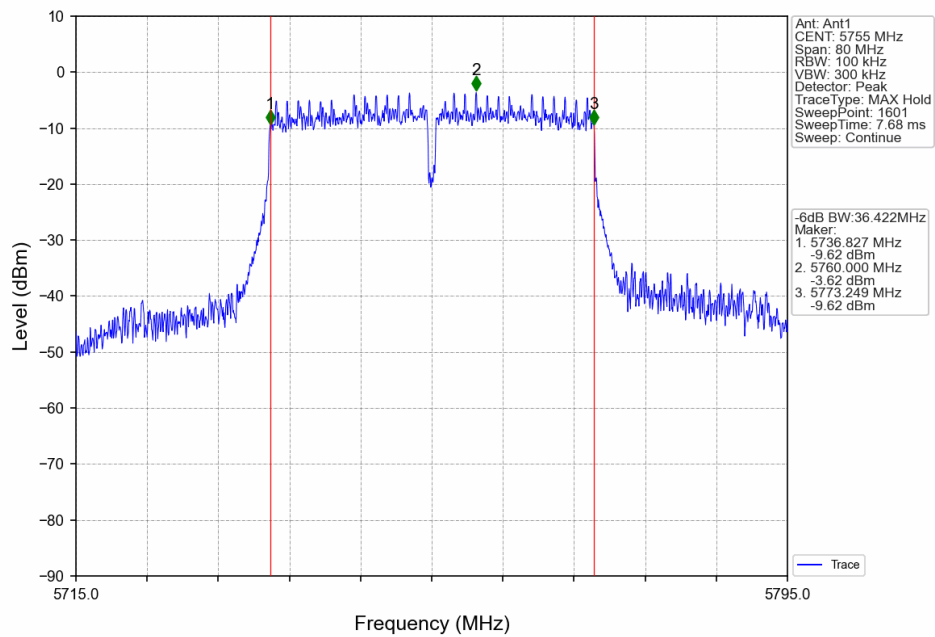
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



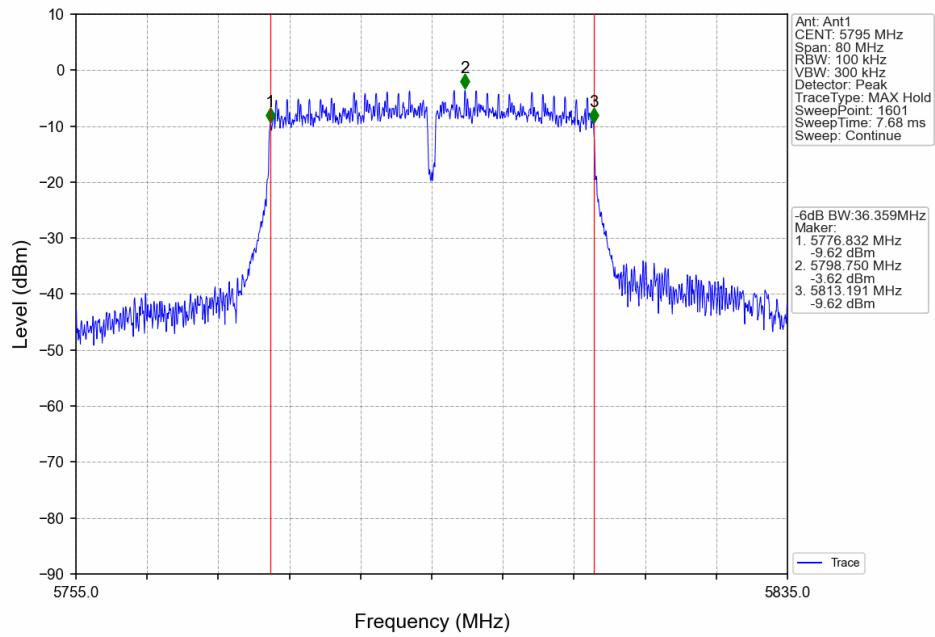
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



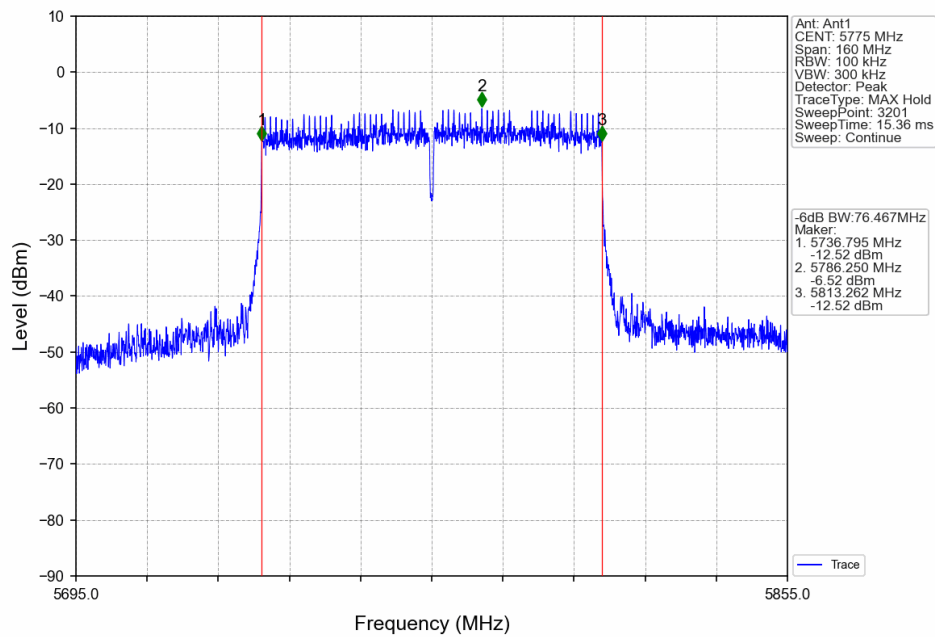
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

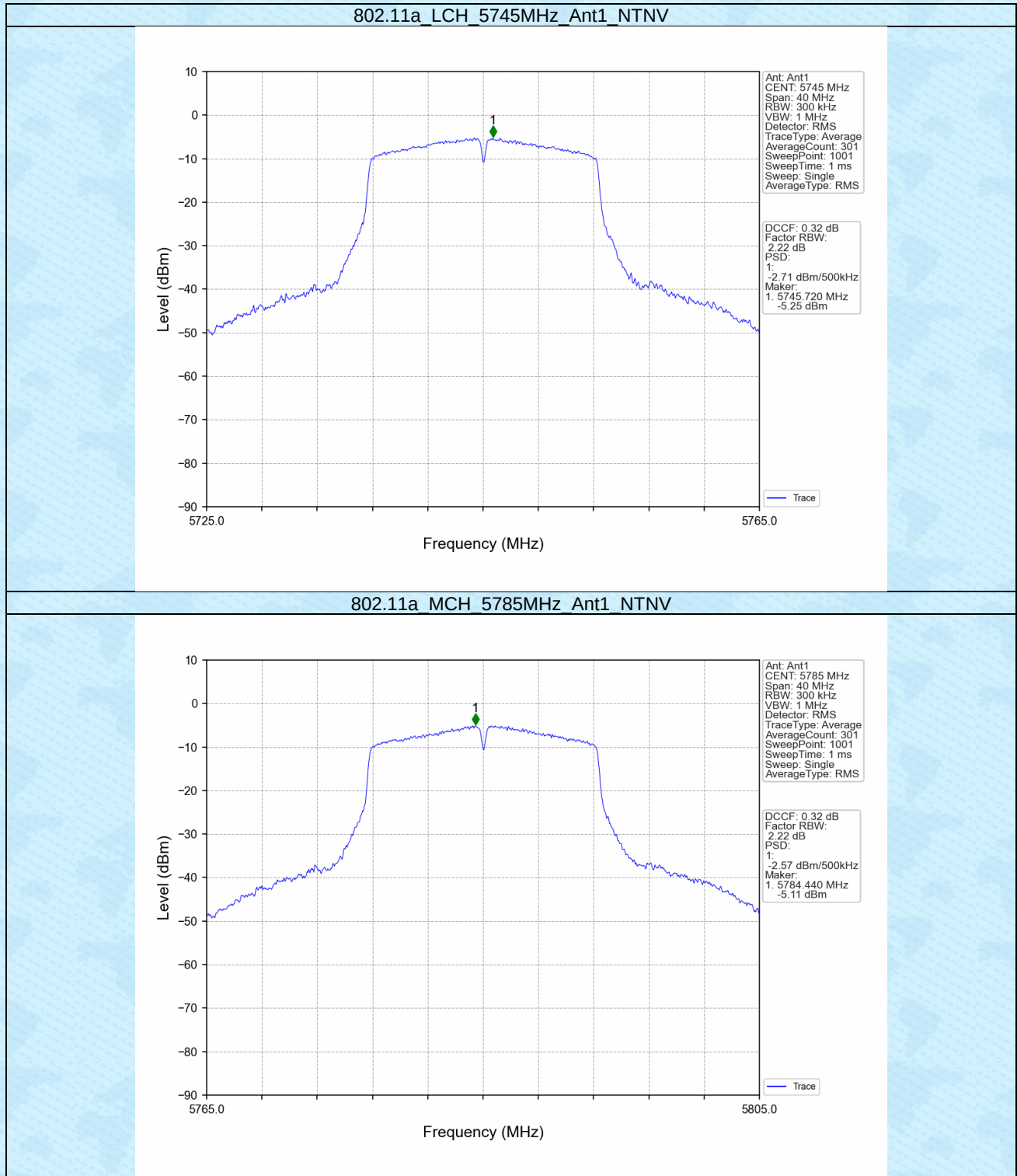
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	10.40	<=30	Pass
		5785	10.34	<=30	Pass
		5825	10.13	<=30	Pass
802.11n (HT20)	SISO	5745	10.27	<=30	Pass
		5785	10.24	<=30	Pass
		5825	10.19	<=30	Pass
802.11n (HT40)	SISO	5755	10.93	<=30	Pass
		5795	10.80	<=30	Pass
802.11ac (VHT20)	SISO	5745	10.03	<=30	Pass
		5785	10.03	<=30	Pass
		5825	10.54	<=30	Pass
802.11ac (VHT40)	SISO	5755	10.71	<=30	Pass
		5795	10.57	<=30	Pass
802.11ac (VHT80)	SISO	5775	10.75	<=30	Pass

4. Maximum Power Spectral Density

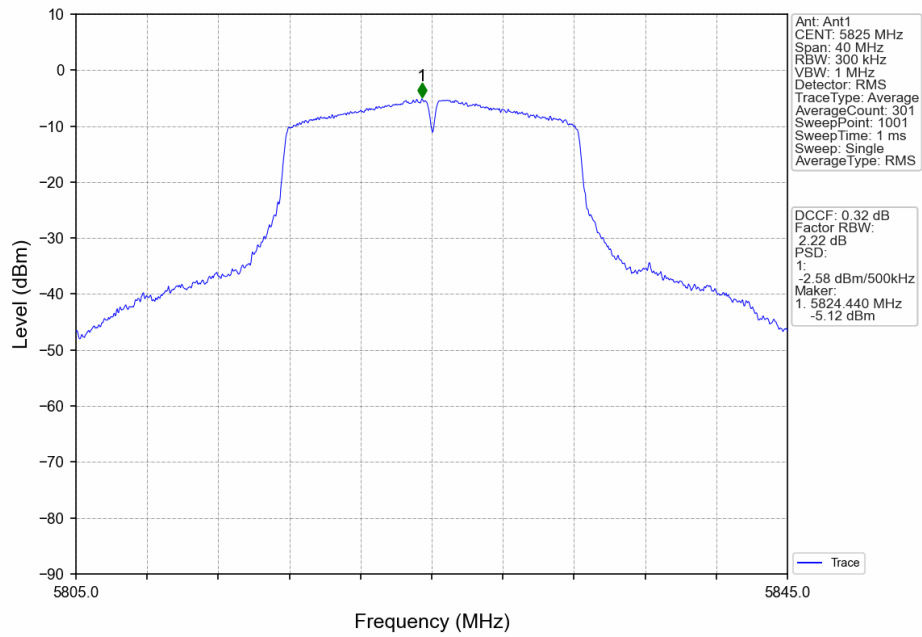
4.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-2.71	<=30	Pass
		5785	-2.57	<=30	Pass
		5825	-2.58	<=30	Pass
802.11n (HT20)	SISO	5745	-1.95	<=30	Pass
		5785	-1.52	<=30	Pass
		5825	-2.00	<=30	Pass
802.11n (HT40)	SISO	5755	-3.95	<=30	Pass
		5795	-3.96	<=30	Pass
802.11ac (VHT20)	SISO	5745	-3.43	<=30	Pass
		5785	-3.29	<=30	Pass
		5825	-2.60	<=30	Pass
802.11ac (VHT40)	SISO	5755	-5.05	<=30	Pass
		5795	-4.94	<=30	Pass
802.11ac (VHT80)	SISO	5775	-7.80	<=30	Pass

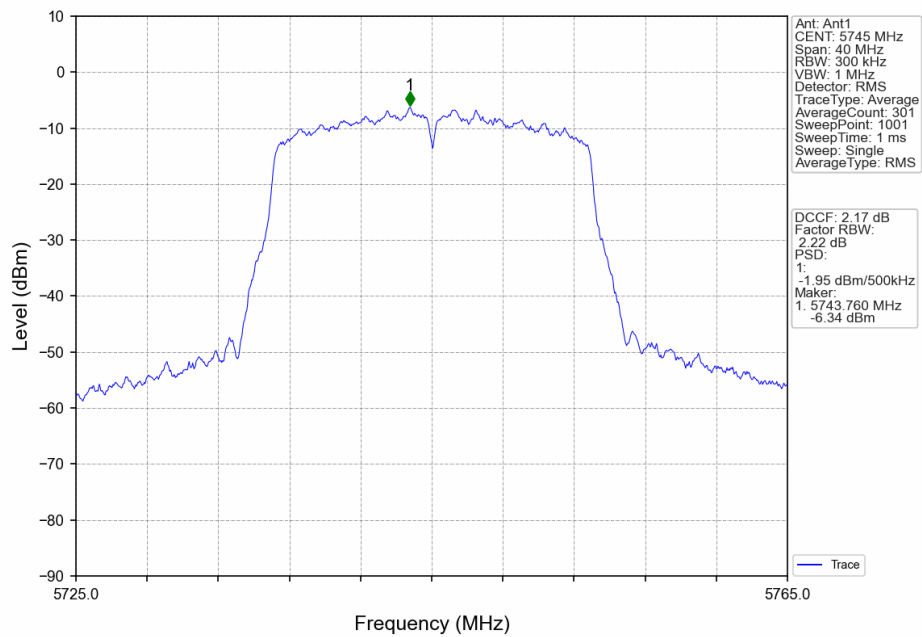
4.2 Test Graph



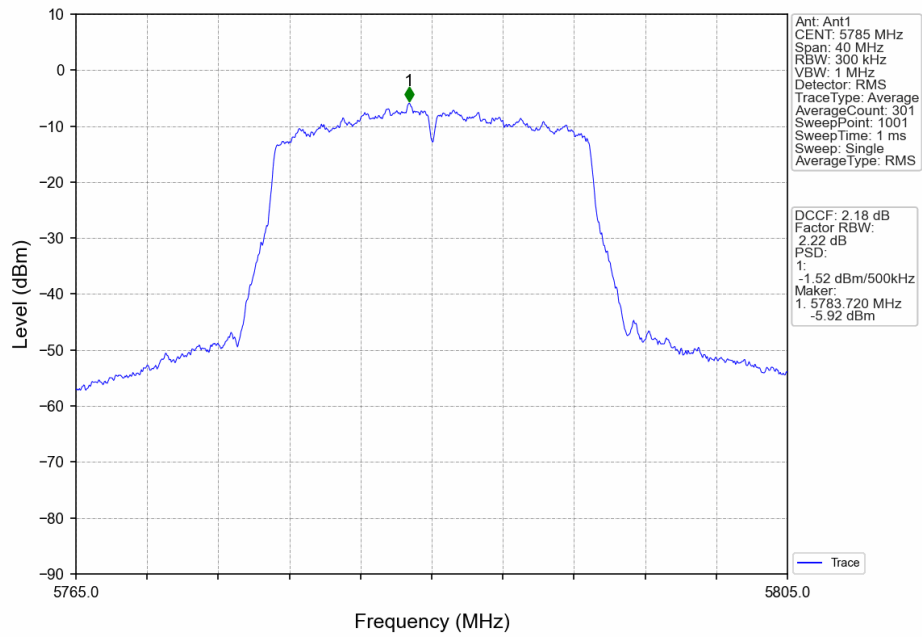
802.11a_HCH_5825MHz_Ant1_NTNV



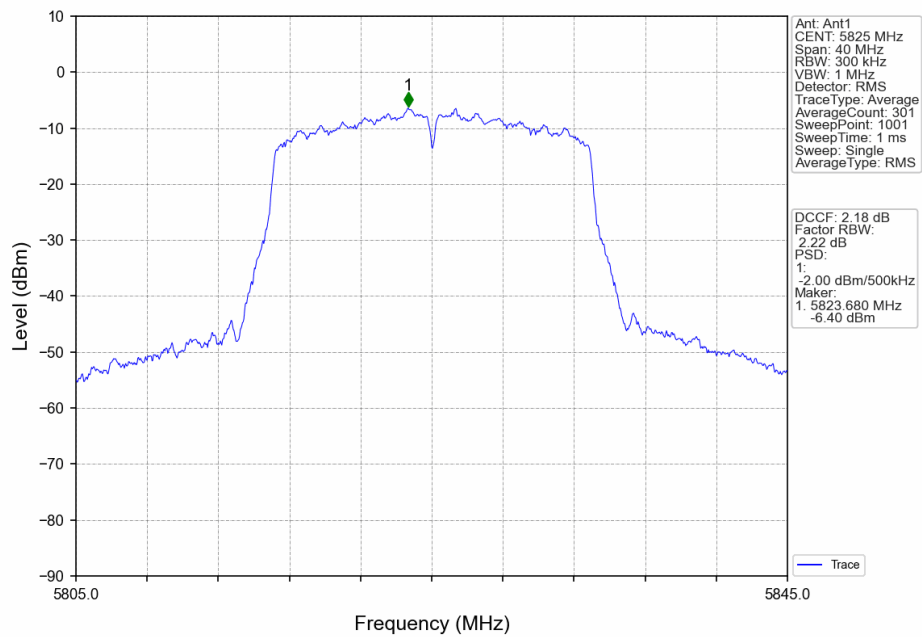
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



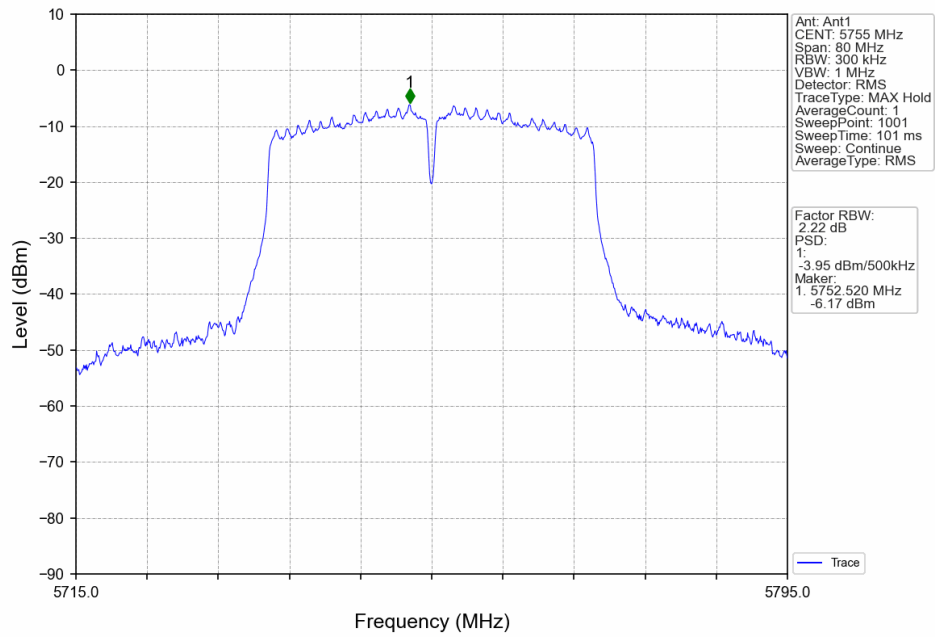
802.11n(HT20) MCH 5785MHz_Ant1_NTNV



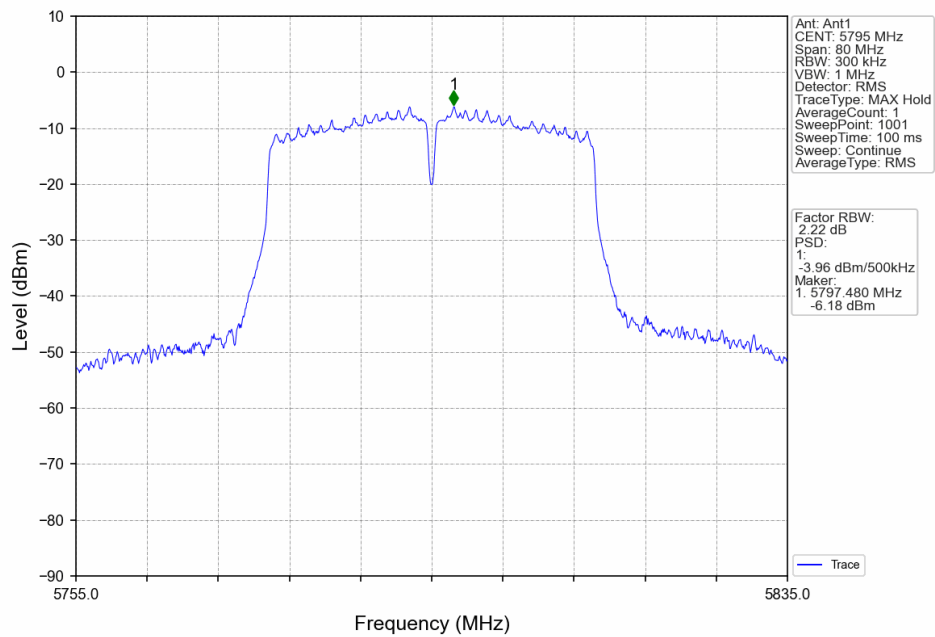
802.11n(HT20) HCH 5825MHz_Ant1_NTNV



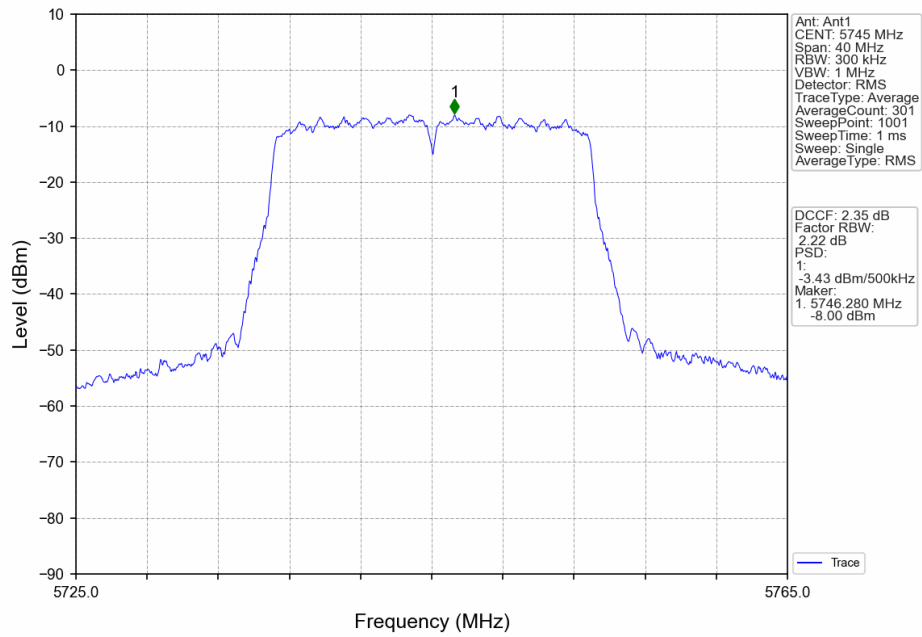
802.11n(HT40) LCH 5755MHz Ant1 NTN



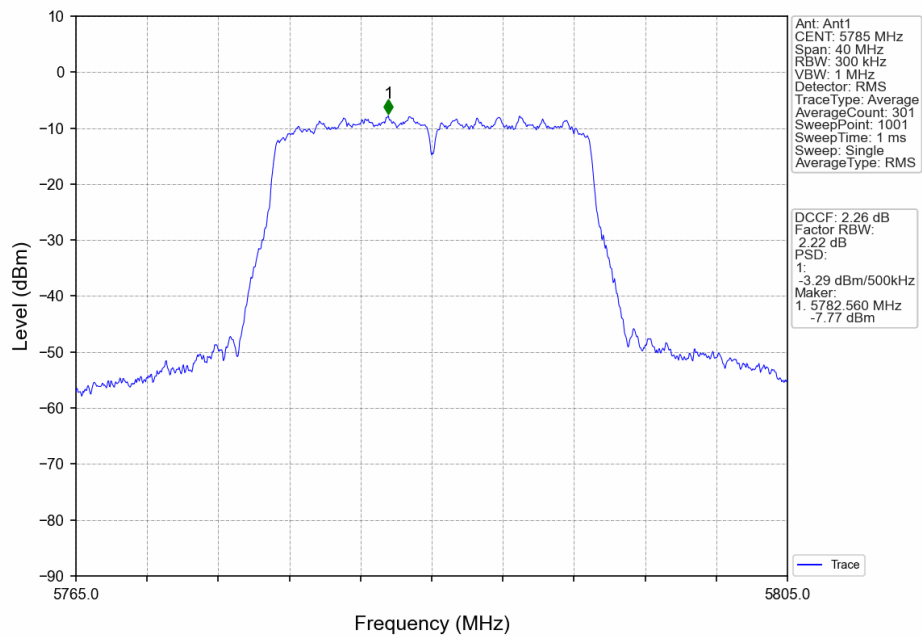
802.11n(HT40) HCH 5795MHz Ant1 NTN



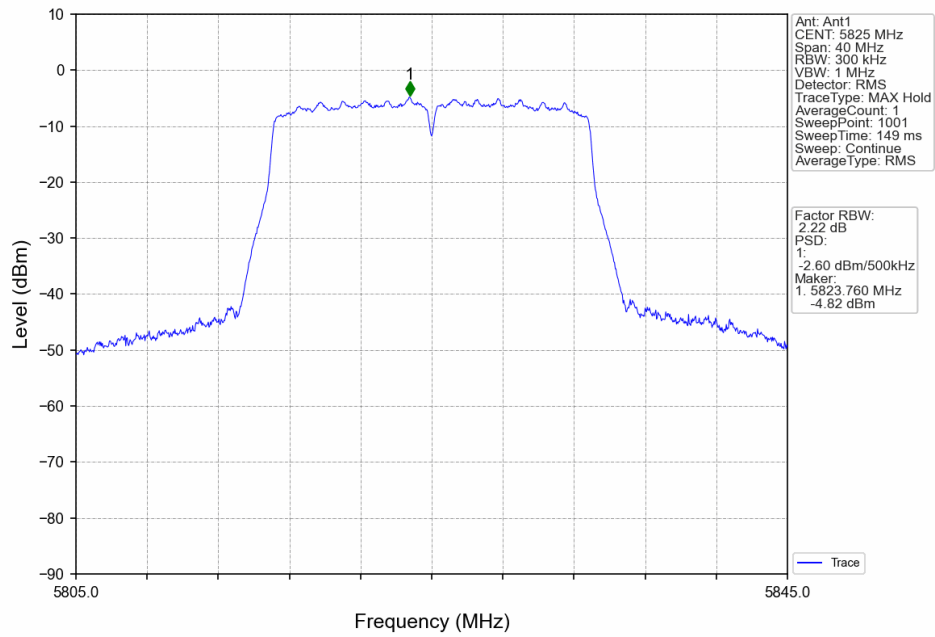
802.11ac(VHT20) LCH_5745MHz_Ant1_NTNV



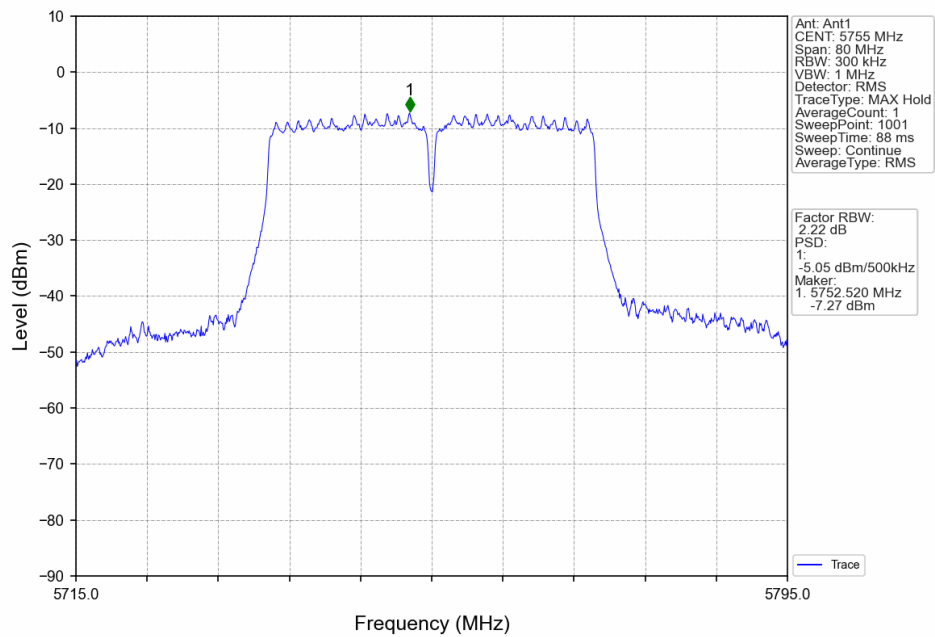
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



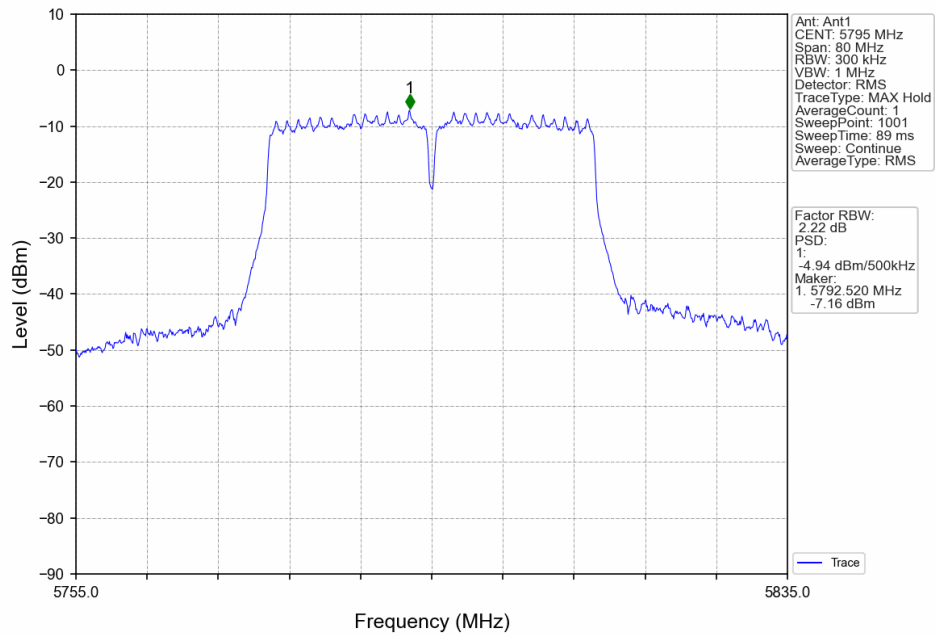
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



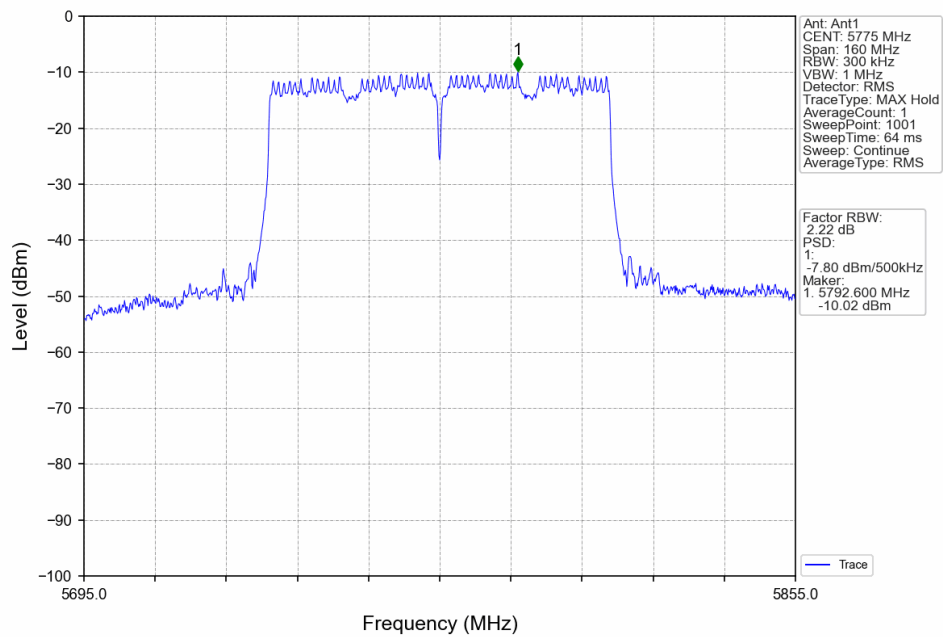
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



5. Frequency Stability

5.1 Test Result

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier	SISO	5745	20	102	5745.020	5725 to 5850	Pass
				120	5745.000	5725 to 5850	Pass
				138	5745.040	5725 to 5850	Pass
			-30	120	5745.000	5725 to 5850	Pass
			-20	120	5745.040	5725 to 5850	Pass
			-10	120	5745.020	5725 to 5850	Pass
			0	120	5745.020	5725 to 5850	Pass
			10	120	5745.020	5725 to 5850	Pass
			30	120	5745.060	5725 to 5850	Pass
			40	120	5745.000	5725 to 5850	Pass
			50	120	5745.020	5725 to 5850	Pass
		5785	20	102	5785.040	5725 to 5850	Pass
				120	5785.060	5725 to 5850	Pass
				138	5785.060	5725 to 5850	Pass
			-30	120	5785.040	5725 to 5850	Pass
			-20	120	5785.000	5725 to 5850	Pass
			-10	120	5785.060	5725 to 5850	Pass
			0	120	5785.040	5725 to 5850	Pass
			10	120	5785.000	5725 to 5850	Pass
			30	120	5785.020	5725 to 5850	Pass
			40	120	5785.040	5725 to 5850	Pass
			50	120	5785.020	5725 to 5850	Pass
		5825	20	102	5825.040	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5825.020	5725 to 5850	Pass
			-30	120	5825.040	5725 to 5850	Pass
			-20	120	5825.020	5725 to 5850	Pass
			-10	120	5825.080	5725 to 5850	Pass
			0	120	5825.040	5725 to 5850	Pass
			10	120	5825.020	5725 to 5850	Pass
			30	120	5825.040	5725 to 5850	Pass
			40	120	5825.020	5725 to 5850	Pass
			50	120	5825.020	5725 to 5850	Pass
		5755	20	102	5755.080	5725 to 5850	Pass
				120	5755.040	5725 to 5850	Pass
				138	5755.160	5725 to 5850	Pass
			-30	120	5755.120	5725 to 5850	Pass
			-20	120	5755.080	5725 to 5850	Pass
			-10	120	5755.080	5725 to 5850	Pass
			0	120	5755.040	5725 to 5850	Pass
			10	120	5754.960	5725 to 5850	Pass
			30	120	5755.160	5725 to 5850	Pass
			40	120	5755.120	5725 to 5850	Pass
			50	120	5755.040	5725 to 5850	Pass
		5795	20	102	5795.120	5725 to 5850	Pass
				120	5795.080	5725 to 5850	Pass
				138	5795.120	5725 to 5850	Pass
			-30	120	5795.040	5725 to 5850	Pass
			-20	120	5795.080	5725 to 5850	Pass
			-10	120	5795.080	5725 to 5850	Pass
			0	120	5795.120	5725 to 5850	Pass
			10	120	5795.120	5725 to 5850	Pass
			30	120	5795.120	5725 to 5850	Pass
			40	120	5795.040	5725 to 5850	Pass

		5775	50	120	5795.000	5725 to 5850	Pass
			20	102	5775.150	5725 to 5850	Pass
				120	5775.150	5725 to 5850	Pass
				138	5775.150	5725 to 5850	Pass
			-30	120	5775.150	5725 to 5850	Pass
			-20	120	5775.075	5725 to 5850	Pass
			-10	120	5775.075	5725 to 5850	Pass
			0	120	5775.000	5725 to 5850	Pass
			10	120	5775.150	5725 to 5850	Pass
			30	120	5775.150	5725 to 5850	Pass
			40	120	5775.075	5725 to 5850	Pass
			50	120	5775.075	5725 to 5850	Pass

-----End-----