1. Bandwidth

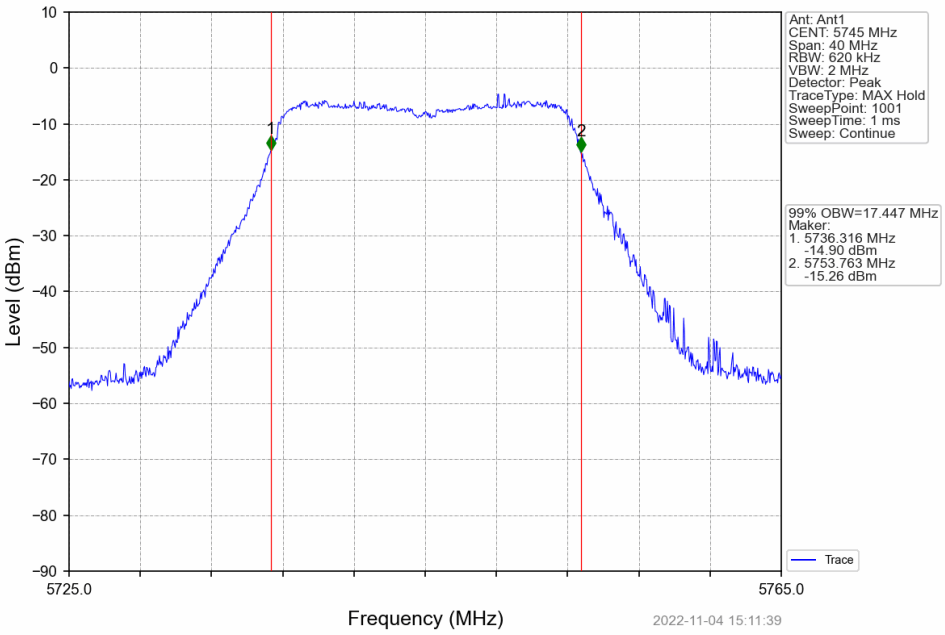
1.1 OBW

1.1.1 Test Result

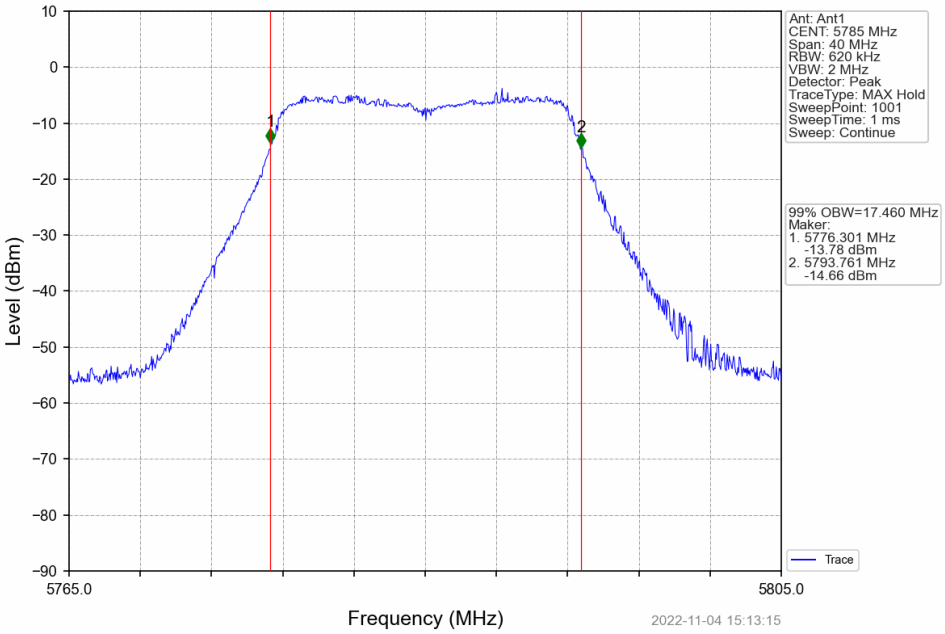
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz) Result	Verdict
802.11a	SISO	5745	1	17.447	Pass
		5785	1	17.460	Pass
		5825	1	17.478	Pass
802.11n (HT20)	SISO	5745	1	18.299	Pass
		5785	1	18.302	Pass
		5825	1	18.325	Pass
802.11n (HT40)	SISO	5755	1	37.082	Pass
		5795	1	37.070	Pass
802.11ac (VHT20)	SISO	5745	1	18.391	Pass
		5785	1	18.337	Pass
		5825	1	18.341	Pass
802.11ac (VHT40)	SISO	5755	1	37.079	Pass
		5795	1	37.046	Pass
802.11ac (VHT80)	SISO	5775	1	76.748	Pass

1.1.2 Test Graph

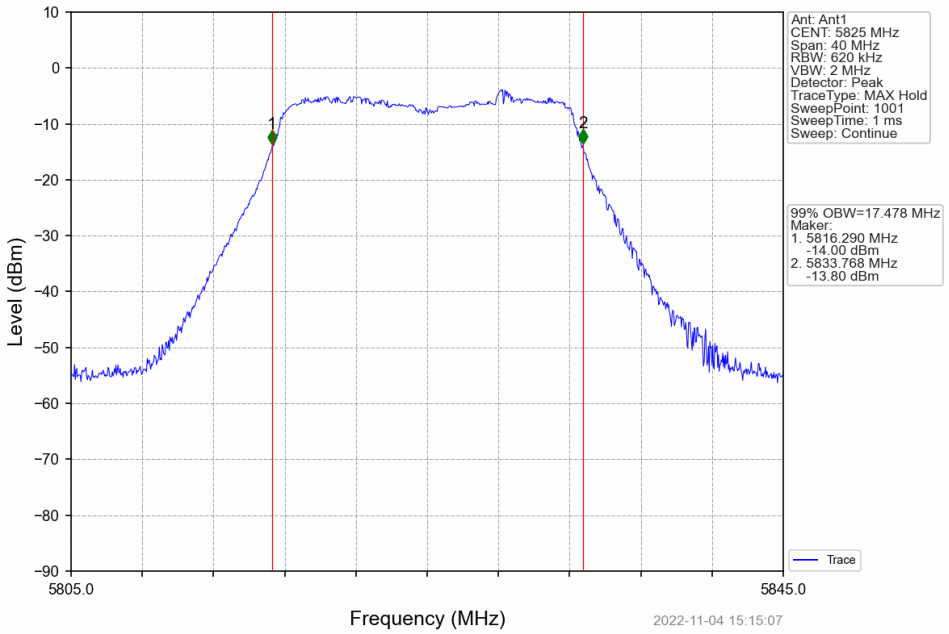
802.11a_LCH_5745MHz_Ant1_NTNV



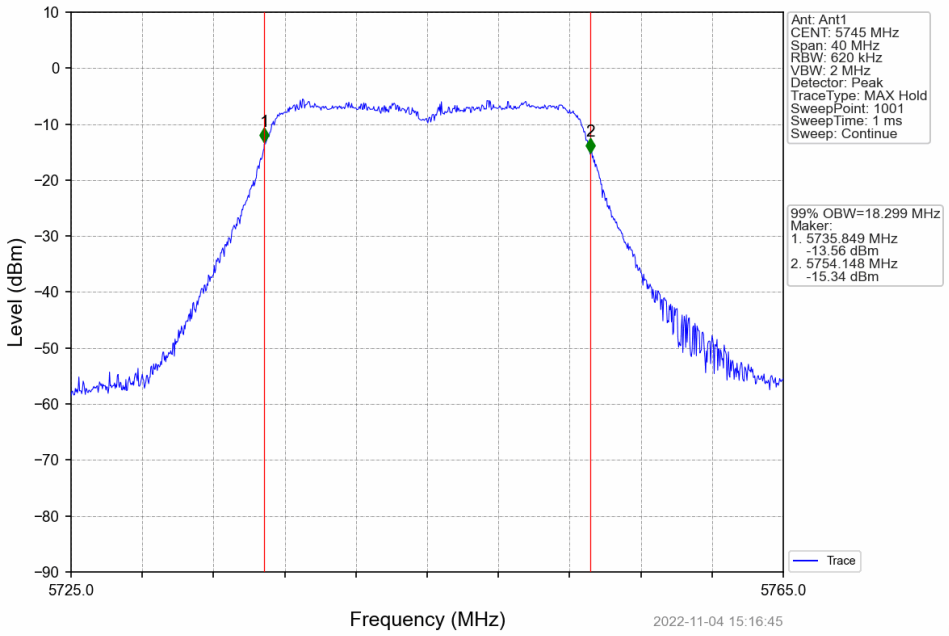
802.11a_MCH_5785MHz_Ant1_NTNV



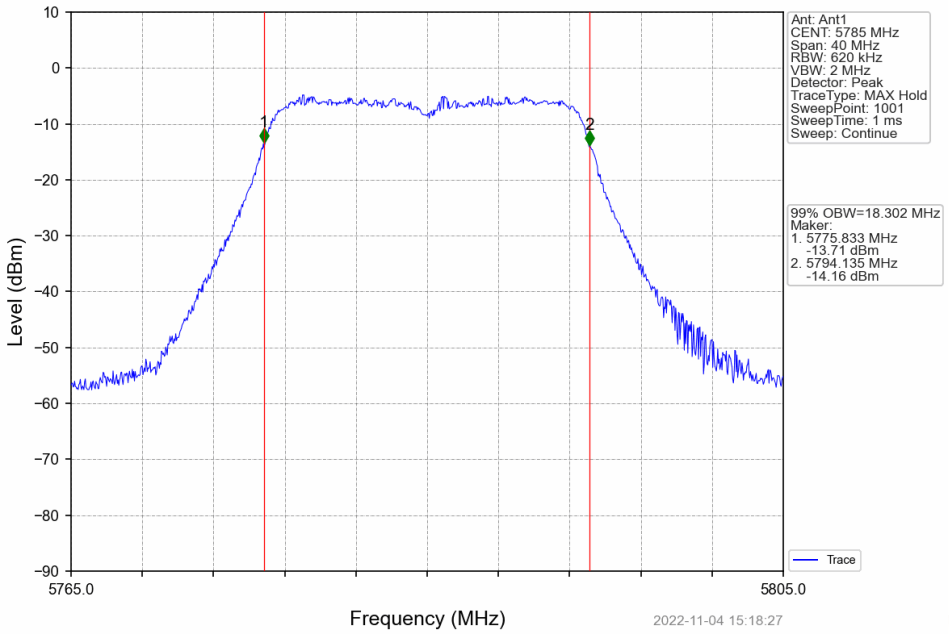
802.11a_HCH_5825MHz_Ant1_NTNV



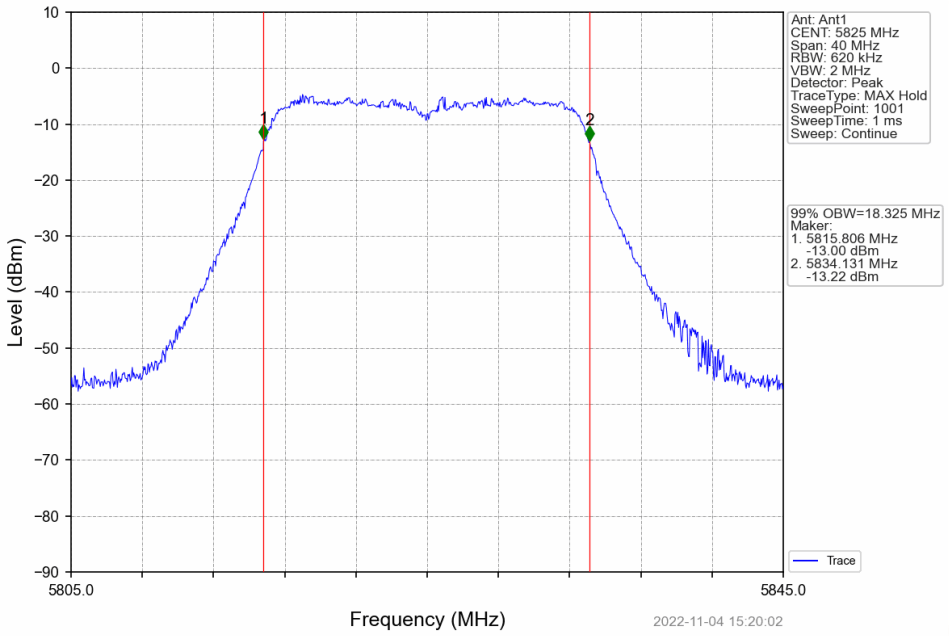
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



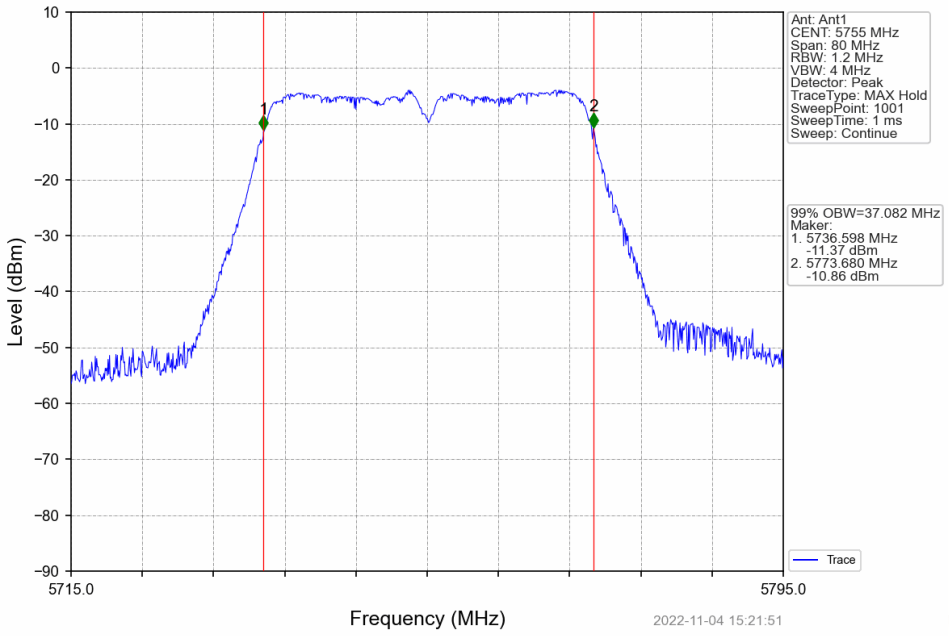
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



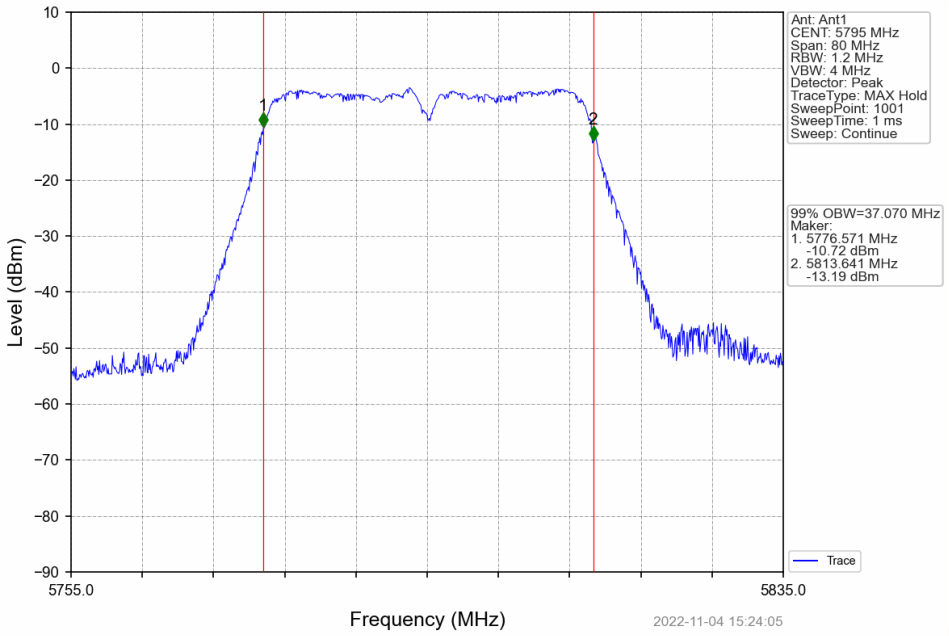
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



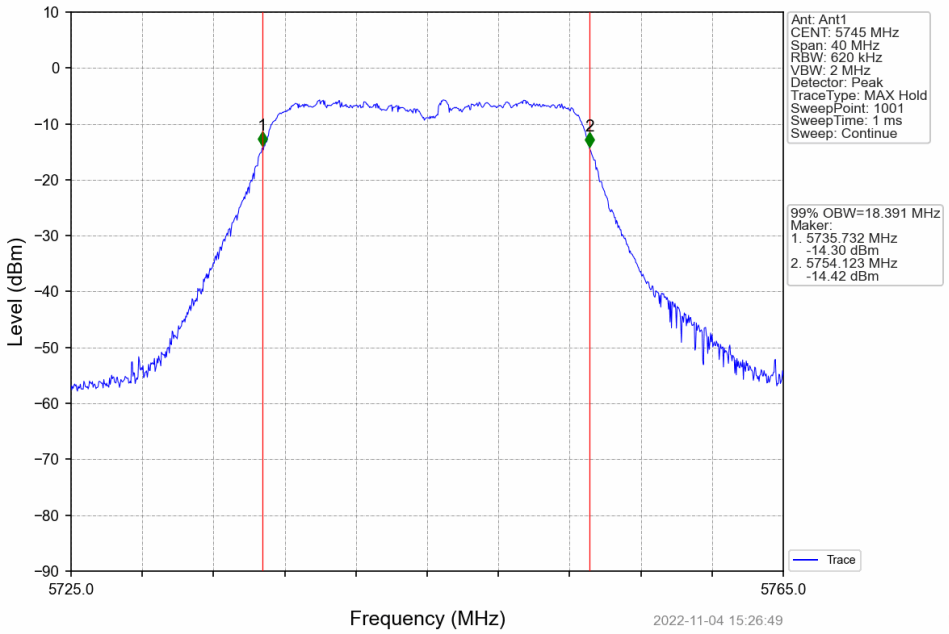
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



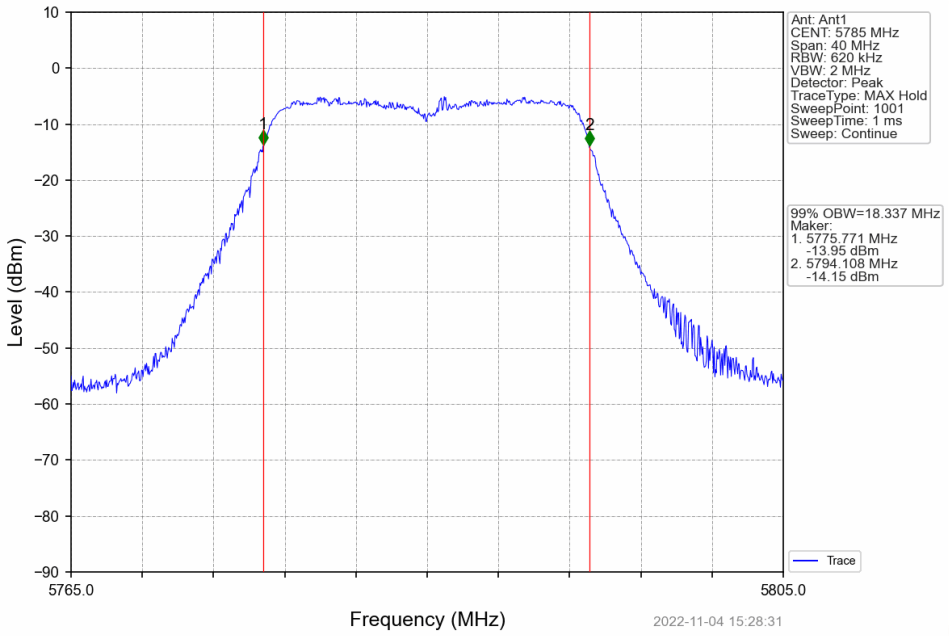
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



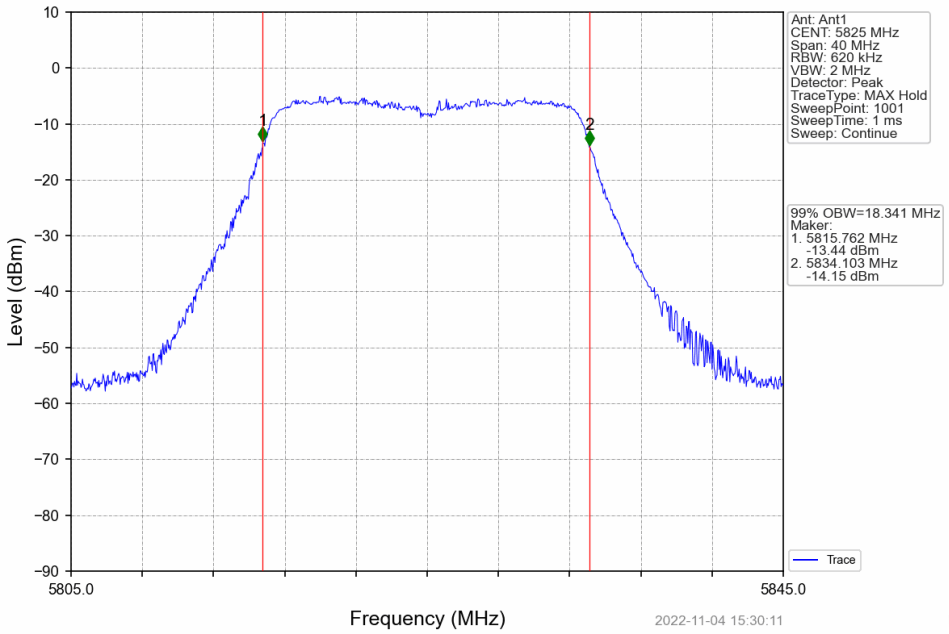
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



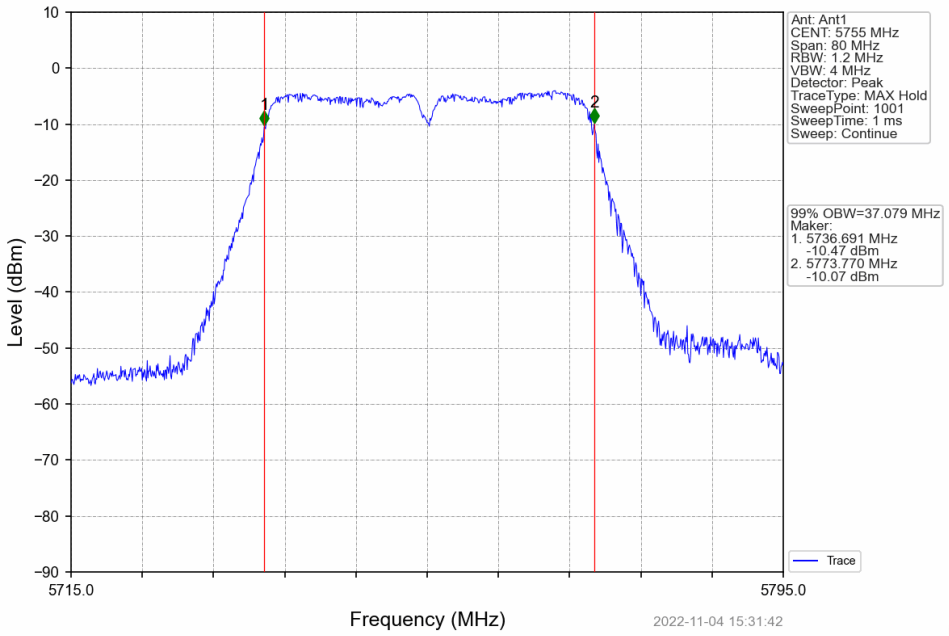
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



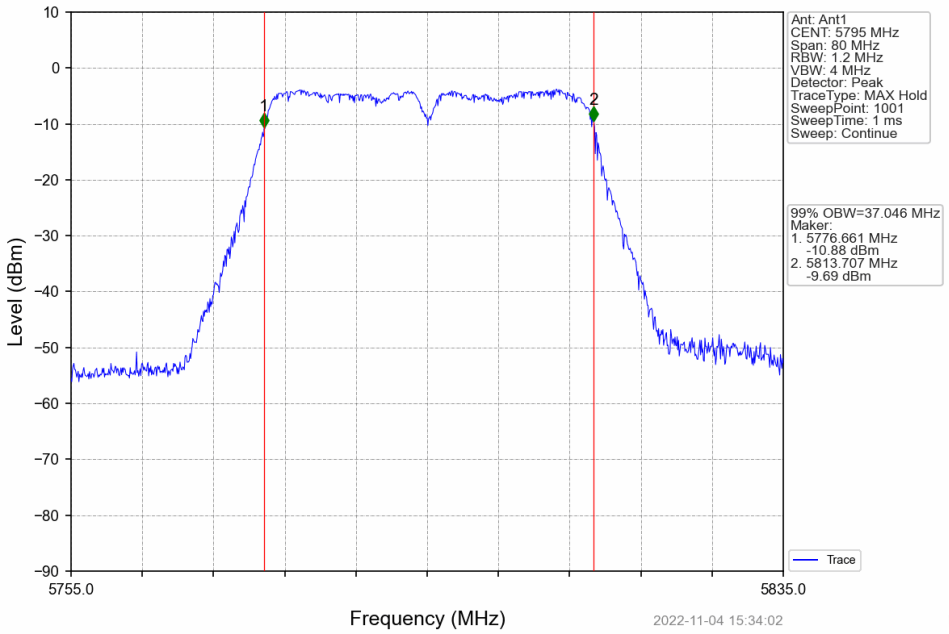
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



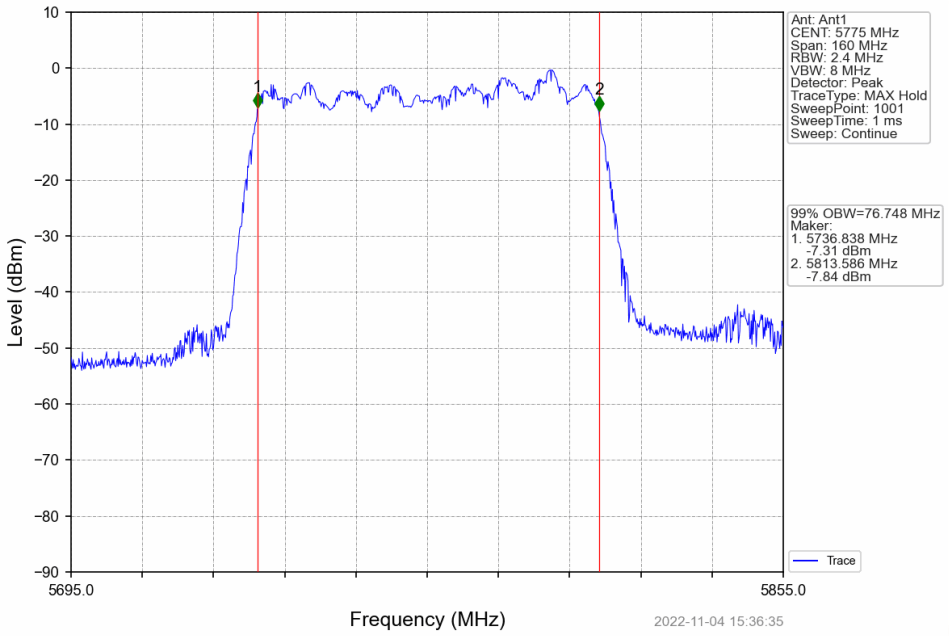
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



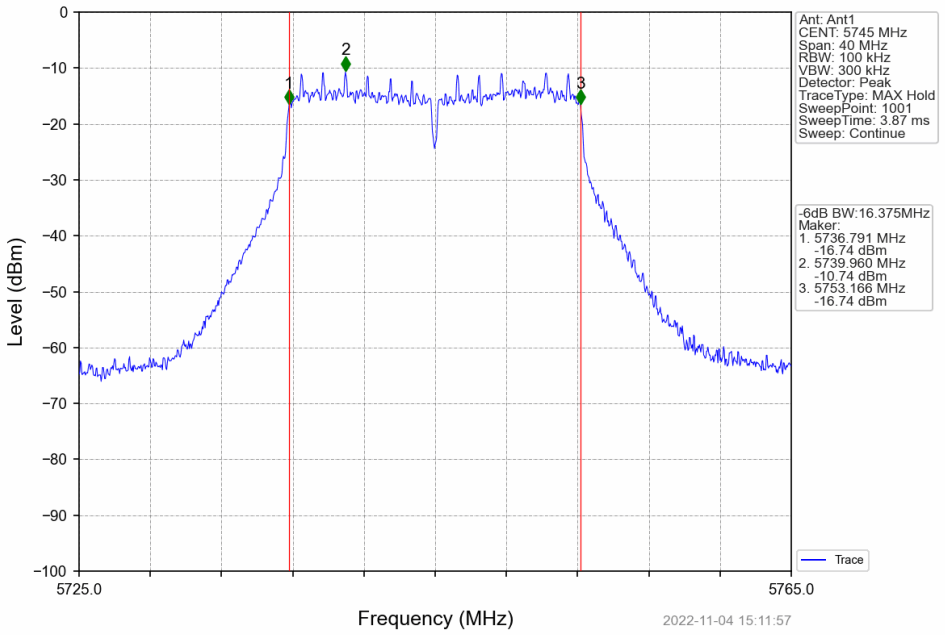
1.2 6dB BW

1.2.1 Test Result

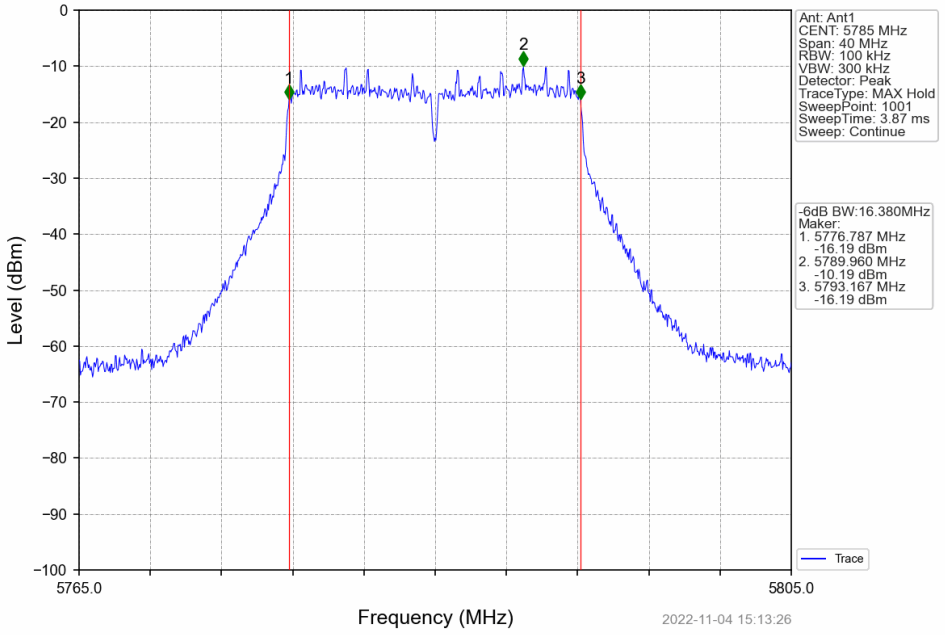
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.375	>=0.5	Pass
		5785	1	16.380	>=0.5	Pass
		5825	1	16.389	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	17.282	>=0.5	Pass
		5785	1	17.179	>=0.5	Pass
		5825	1	17.050	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	35.475	>=0.5	Pass
		5795	1	35.835	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.187	>=0.5	Pass
		5785	1	17.176	>=0.5	Pass
		5825	1	16.961	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.545	>=0.5	Pass
		5795	1	35.574	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.236	>=0.5	Pass

1.2.2 Test Graph

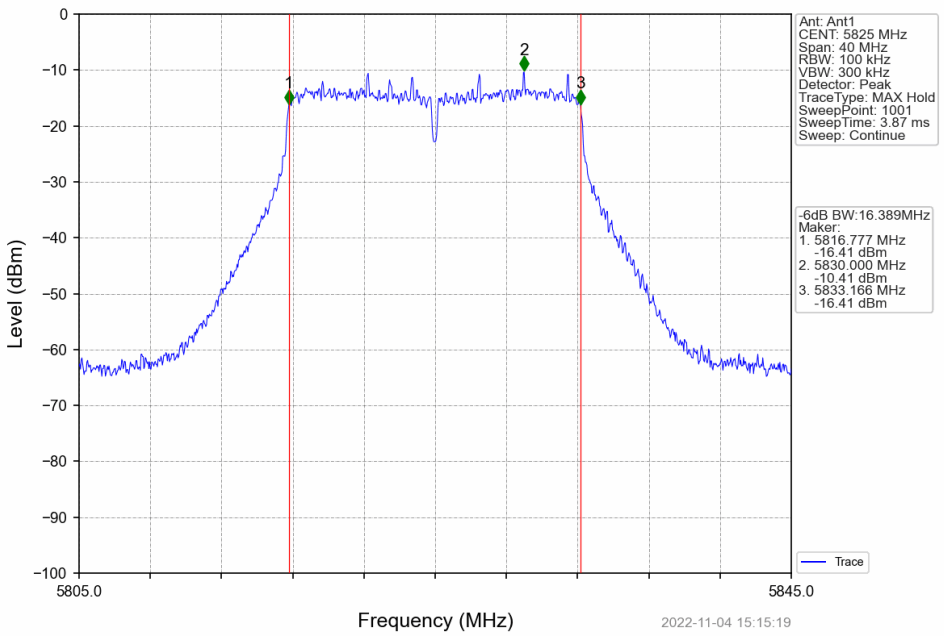
802.11a_LCH_5745MHz_Ant1_NTNV



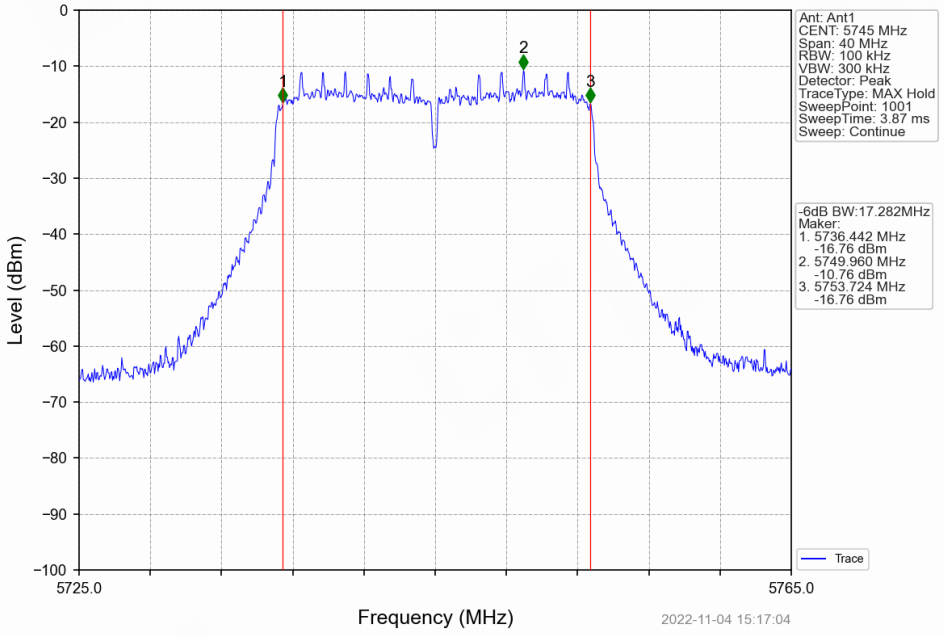
802.11a_MCH_5785MHz_Ant1_NTNV



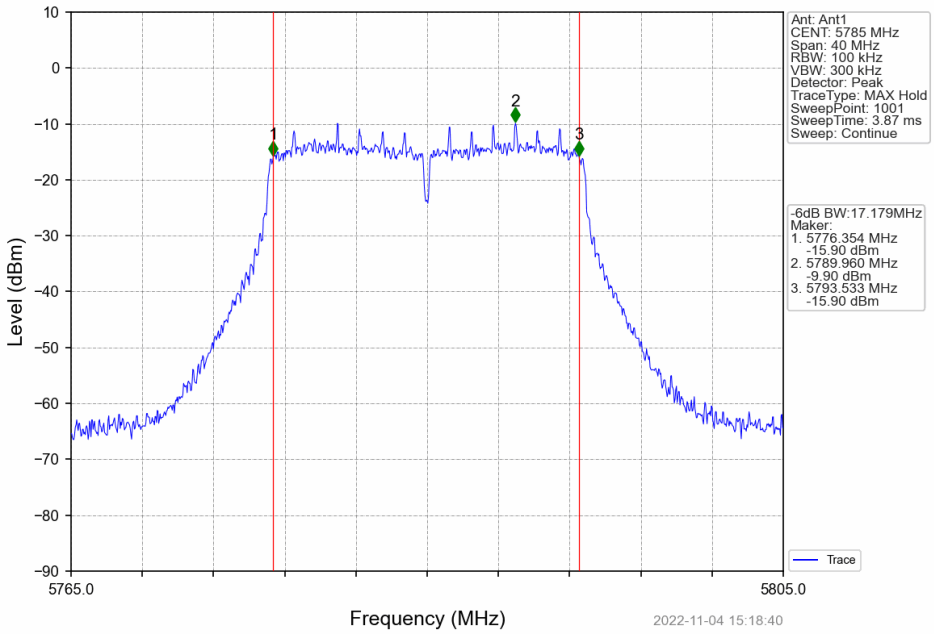
802.11a_HCH_5825MHz_Ant1_NTNV



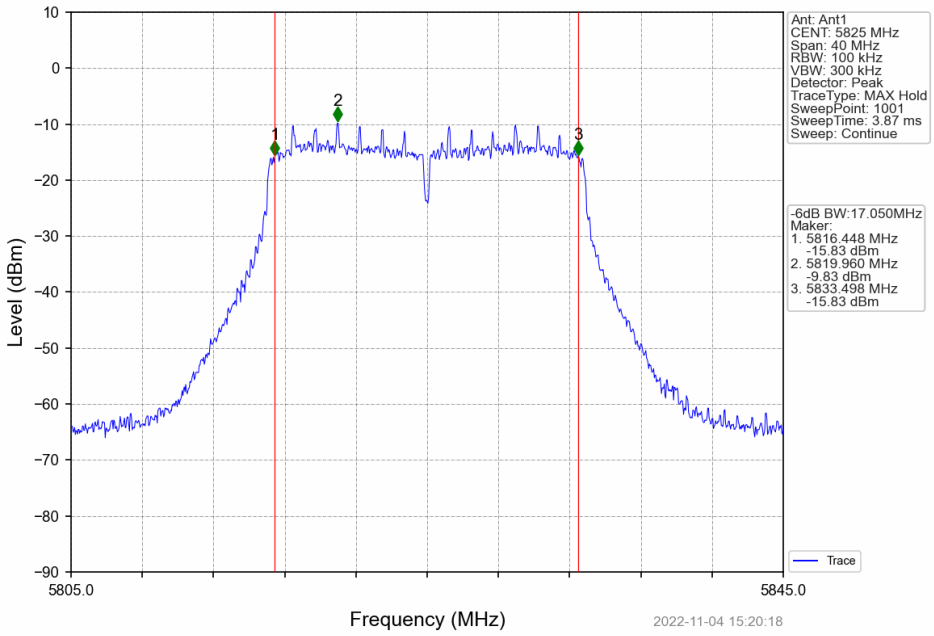
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



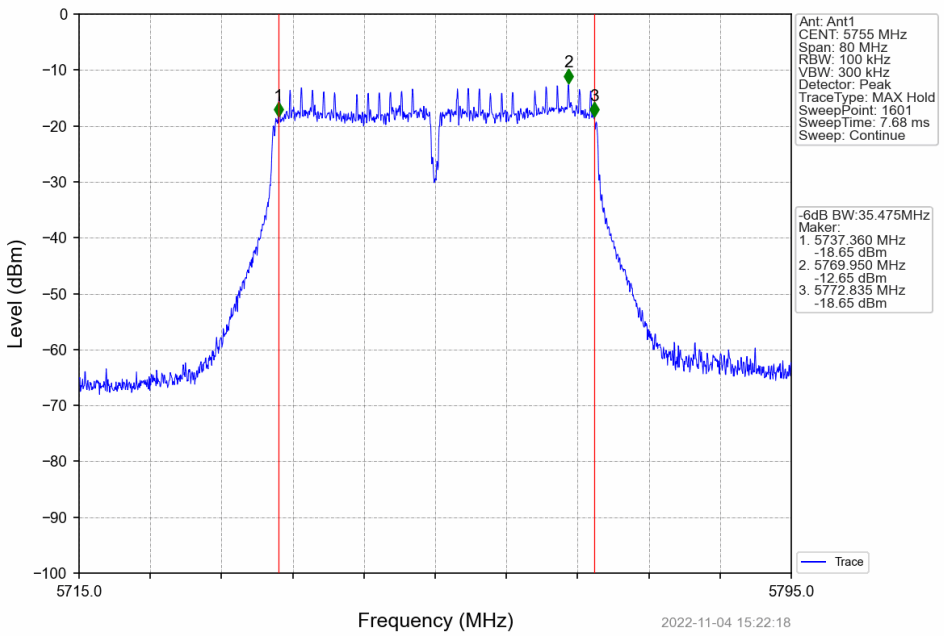
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



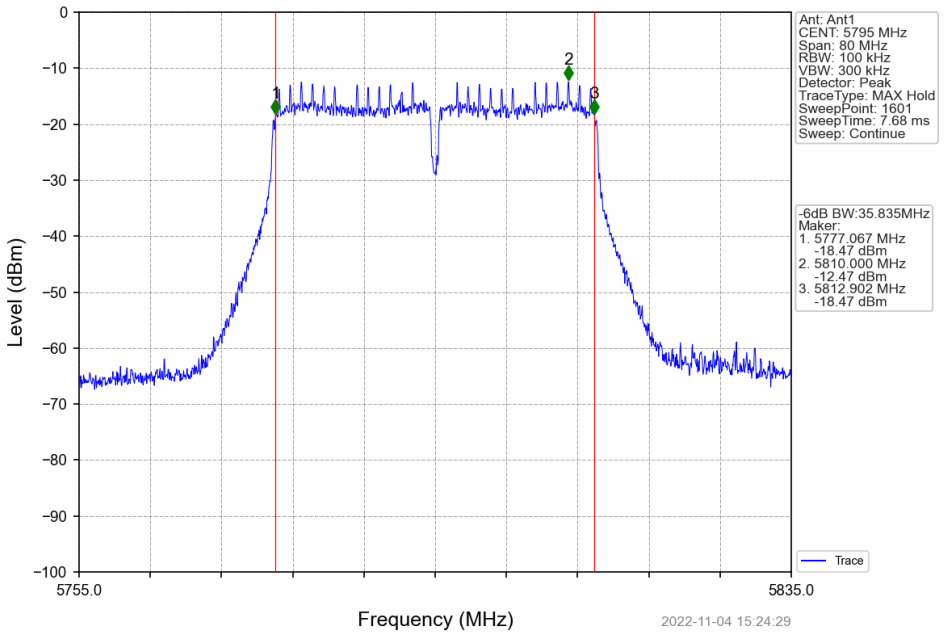
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



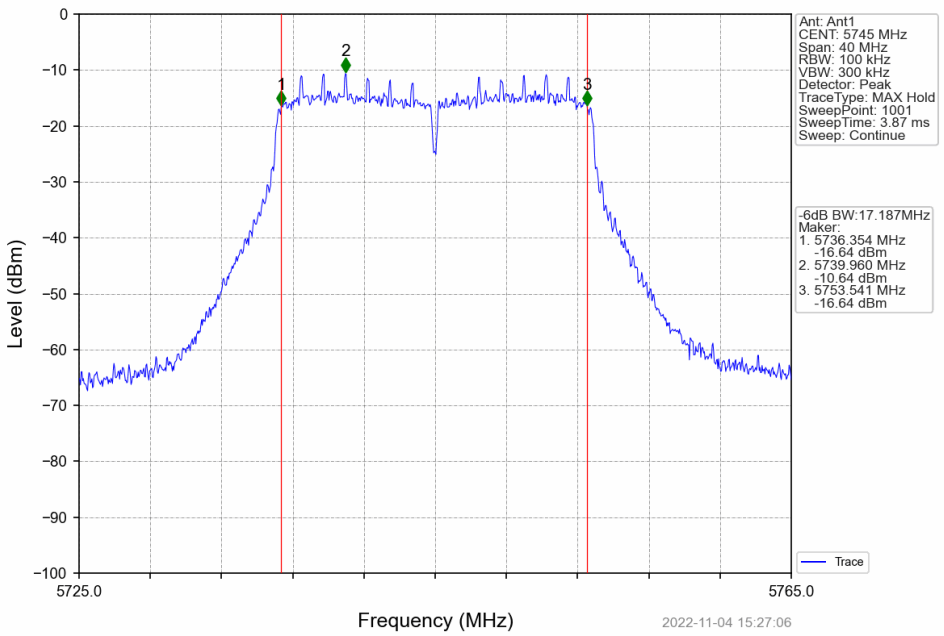
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



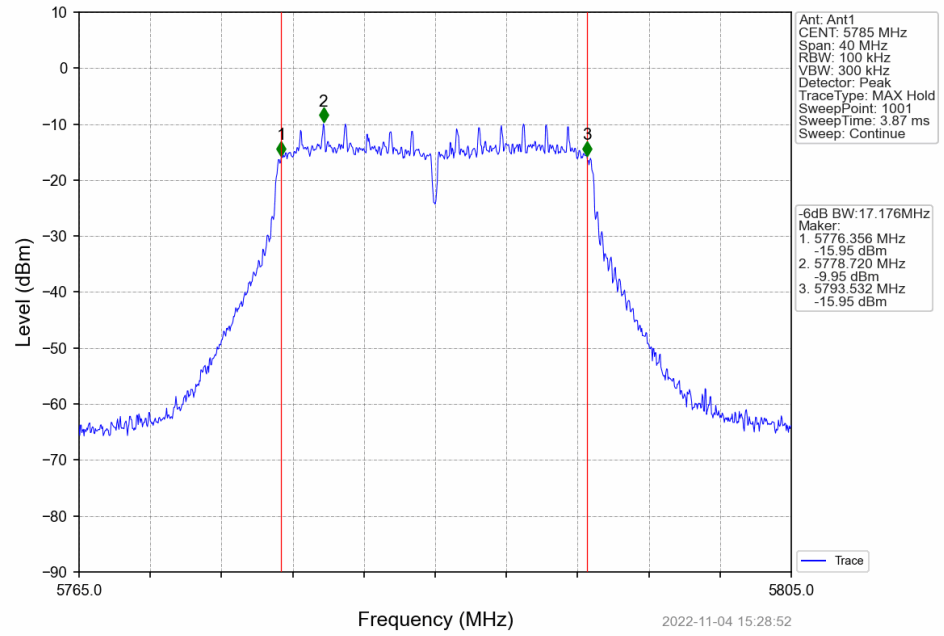
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



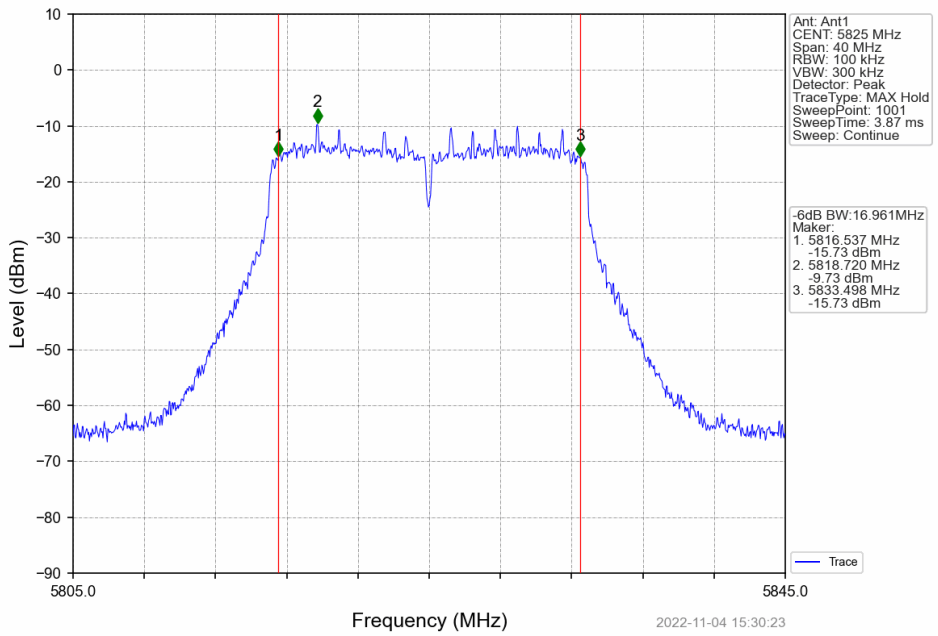
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



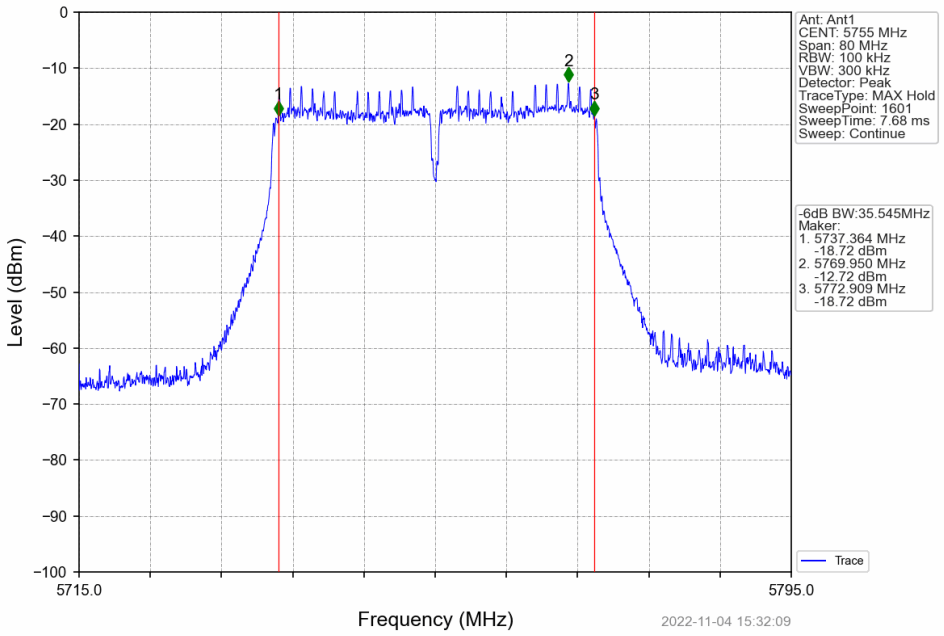
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



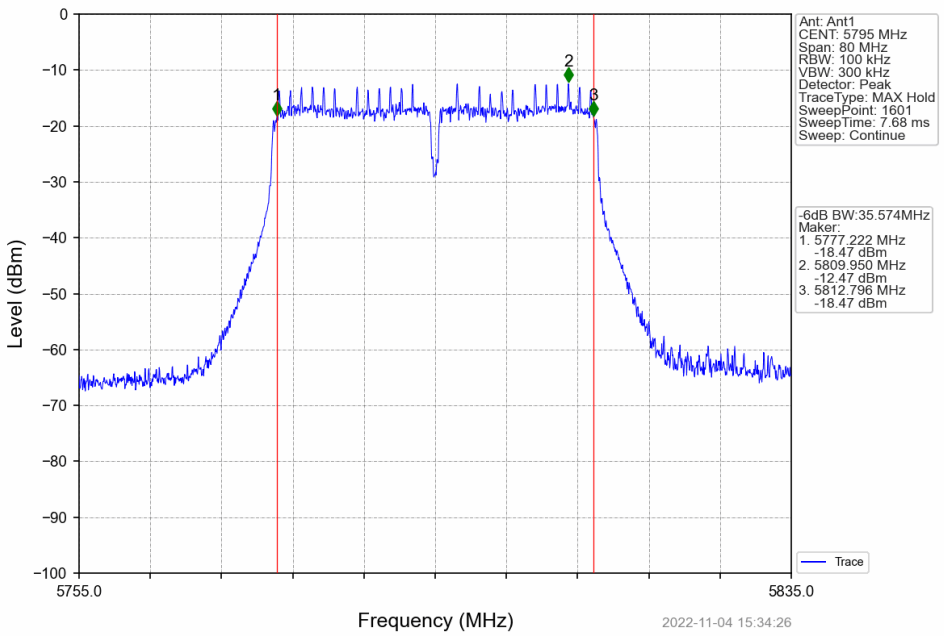
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



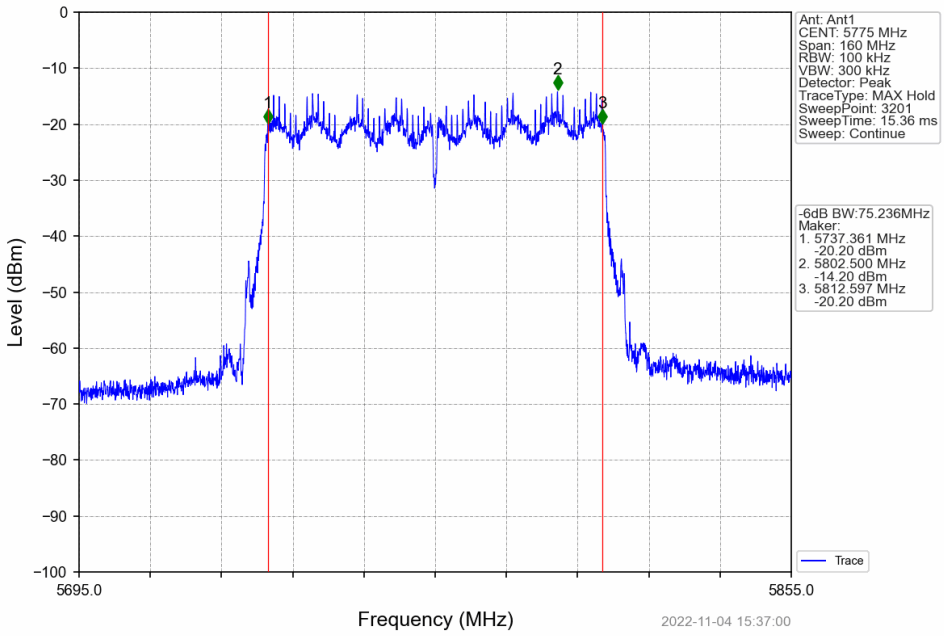
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2. Maximum Conducted Output Power

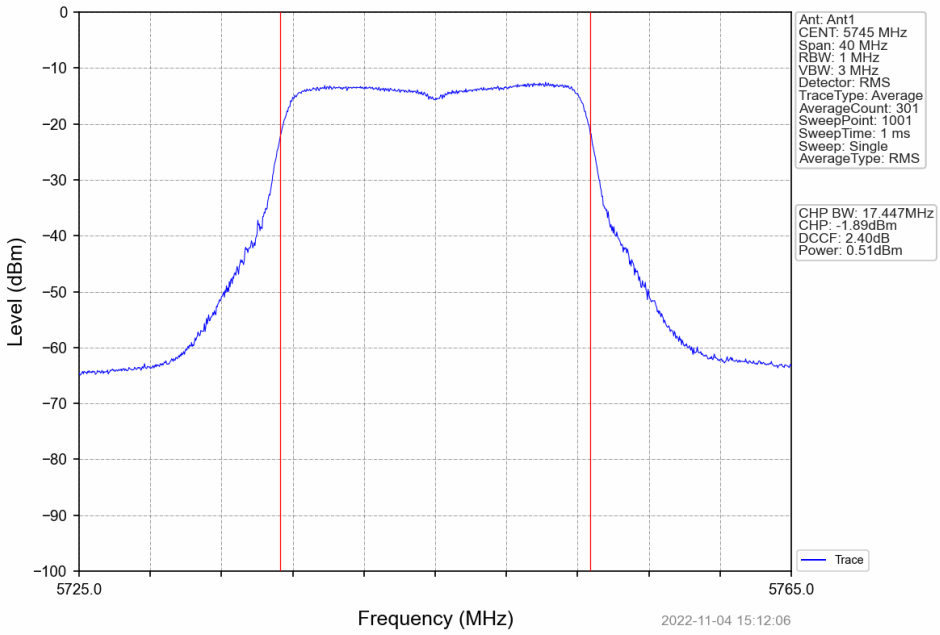
2.1 Power

2.1.1 Test Result

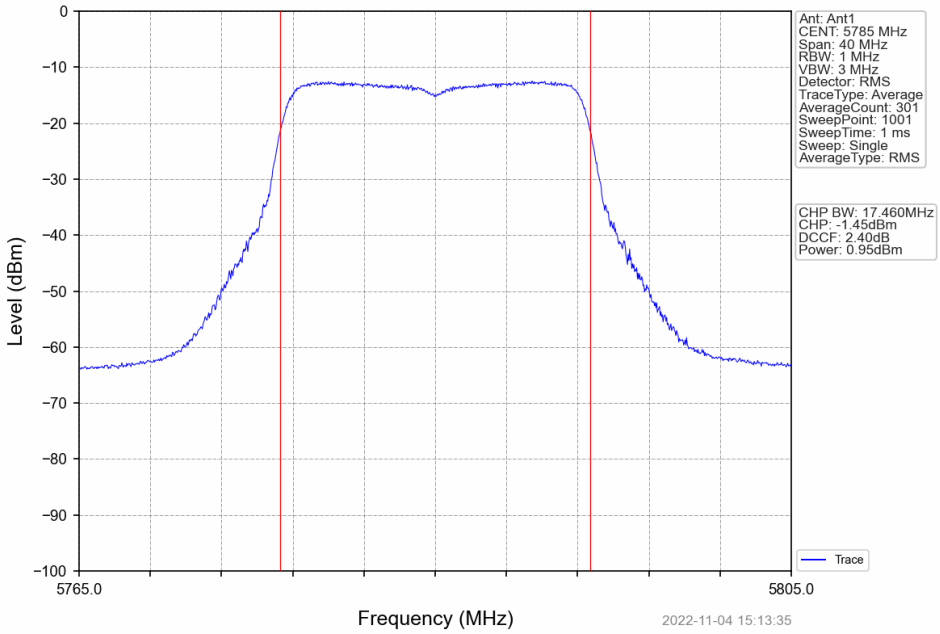
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	0.51	<=30	Pass
		5785	0.95	<=30	Pass
		5825	0.55	<=30	Pass
802.11n (HT20)	SISO	5745	0.45	<=30	Pass
		5785	1.04	<=30	Pass
		5825	0.82	<=30	Pass
802.11n (HT40)	SISO	5755	0.72	<=30	Pass
		5795	1.18	<=30	Pass
802.11ac (VHT20)	SISO	5745	0.75	<=30	Pass
		5785	0.84	<=30	Pass
		5825	0.95	<=30	Pass
802.11ac (VHT40)	SISO	5755	0.91	<=30	Pass
		5795	1.06	<=30	Pass
802.11ac (VHT80)	SISO	5775	0.88	<=30	Pass
Note1: Antenna Gain: Ant1: 4.57dBi;					

2.1.2 Test Graph

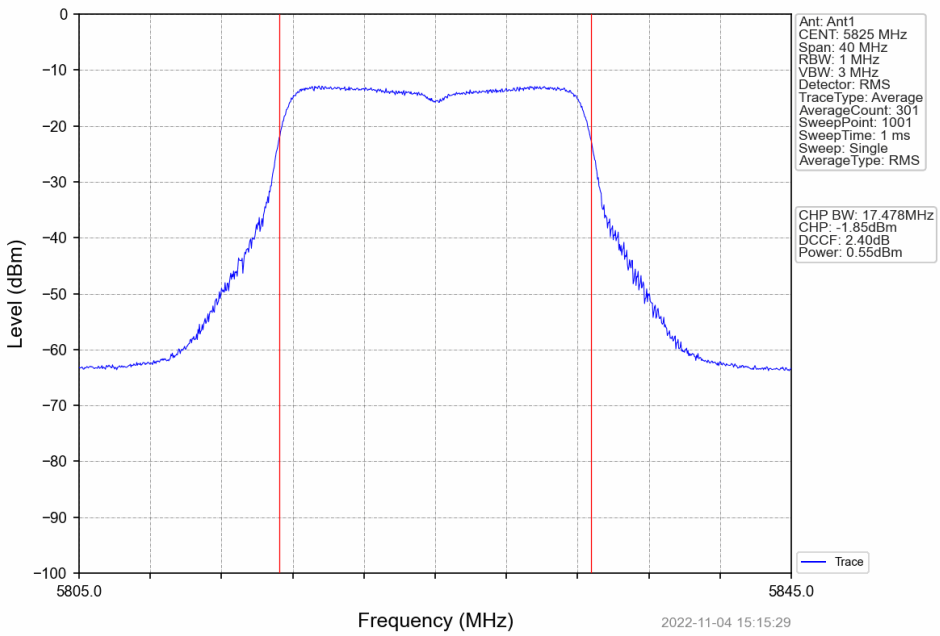
802.11a_LCH_5745MHz_Ant1_NTNV



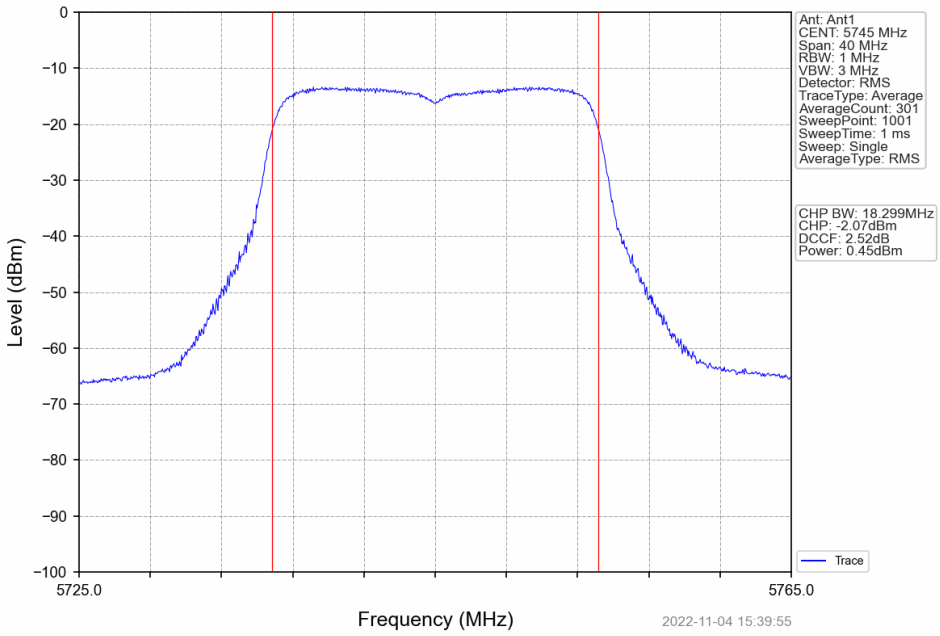
802.11a_MCH_5785MHz_Ant1_NTNV



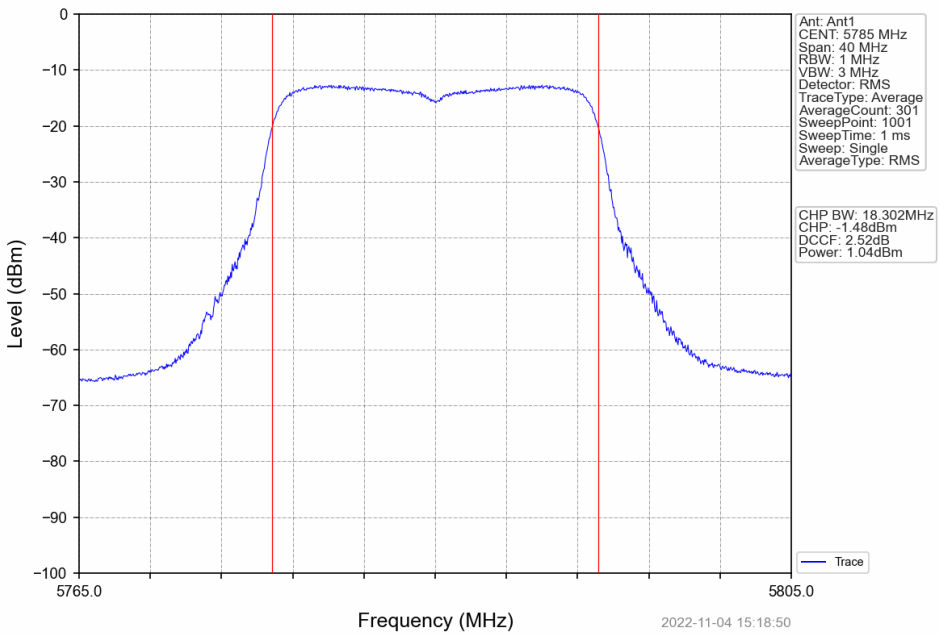
802.11a_HCH_5825MHz_Ant1_NTNV



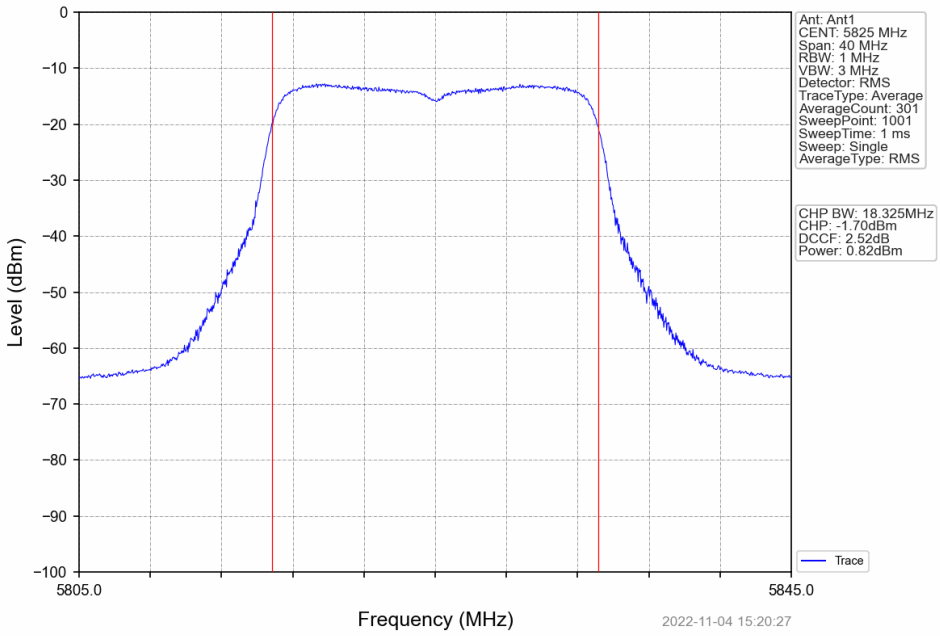
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



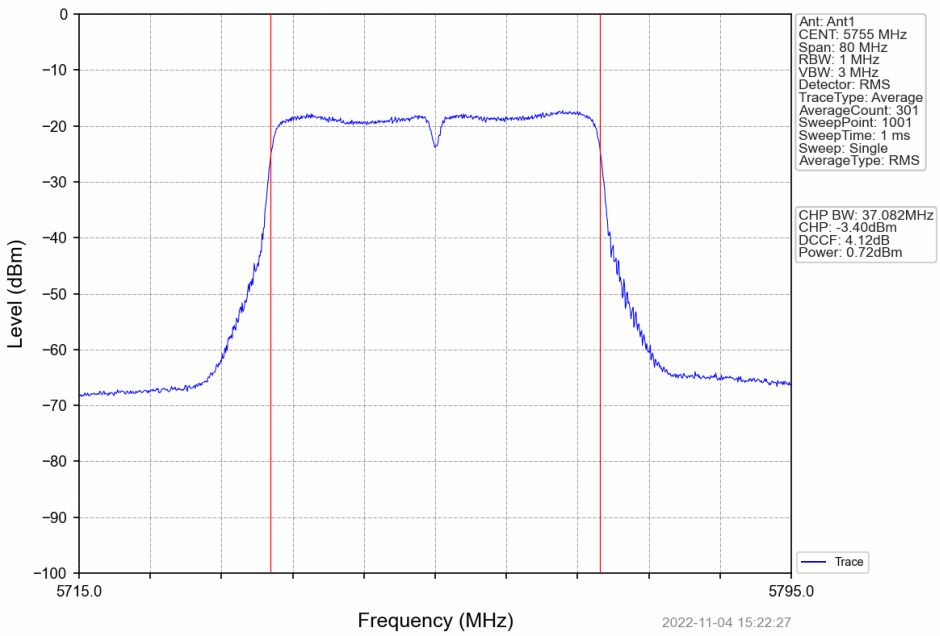
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



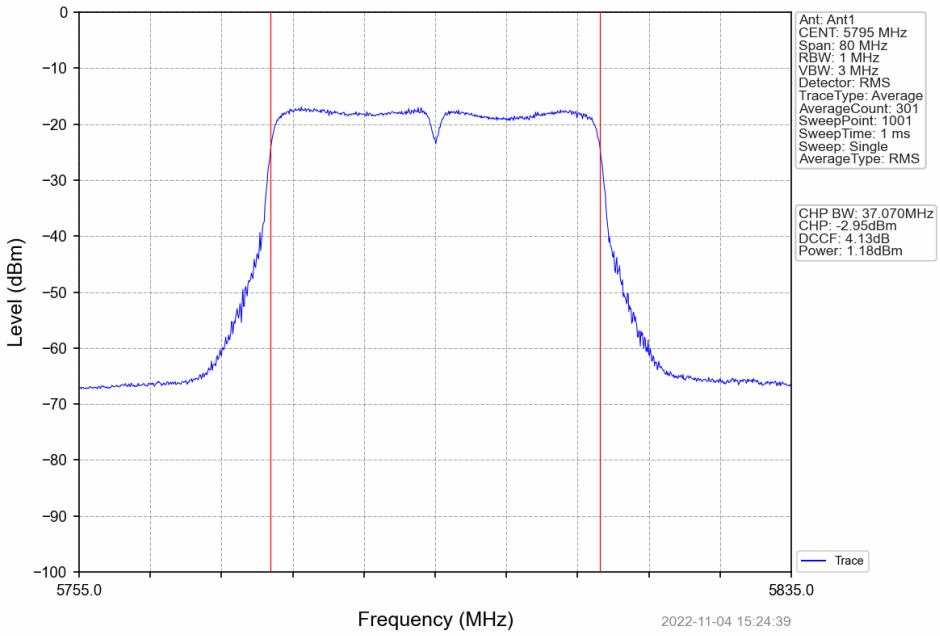
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



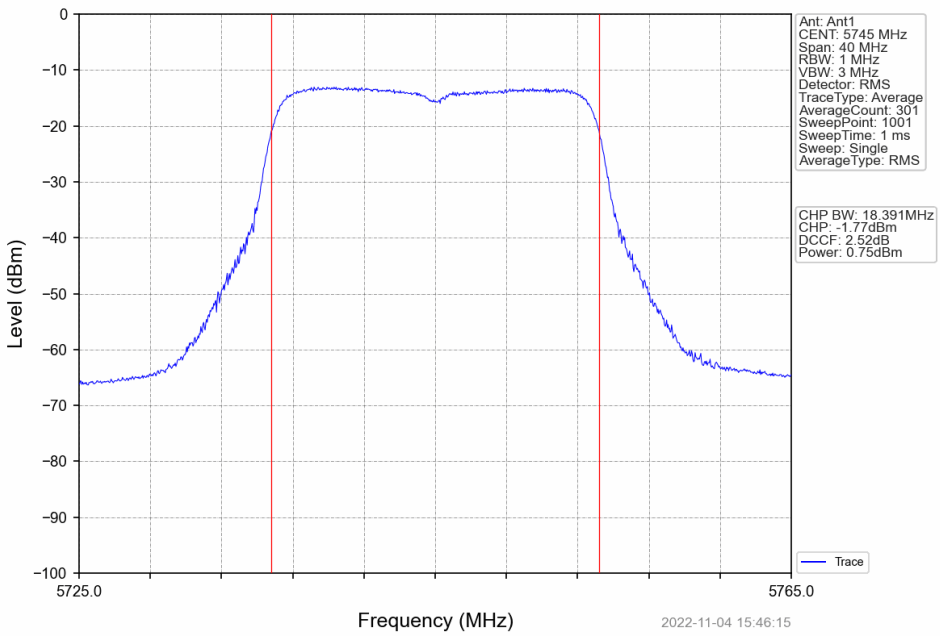
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



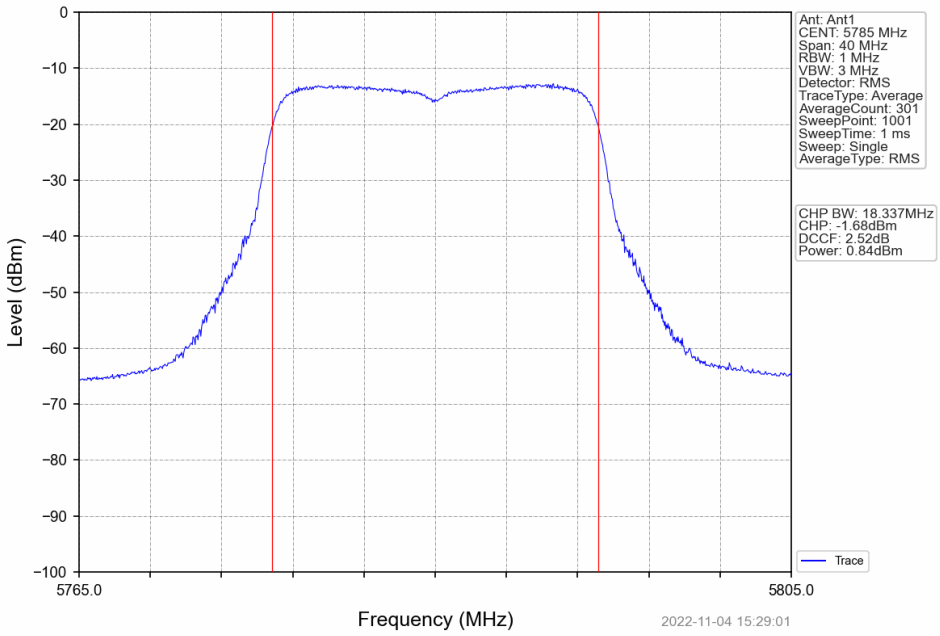
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



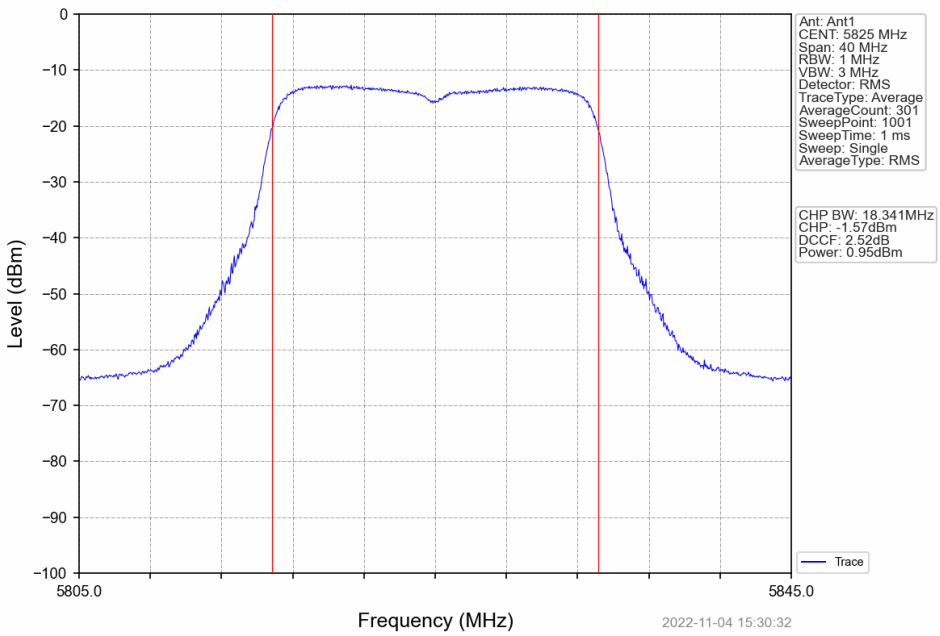
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



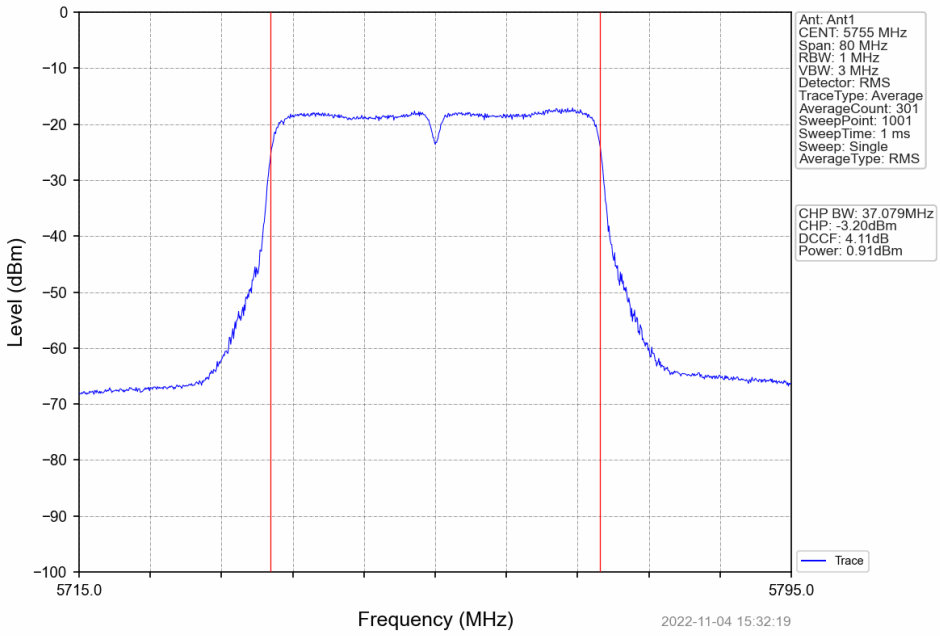
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



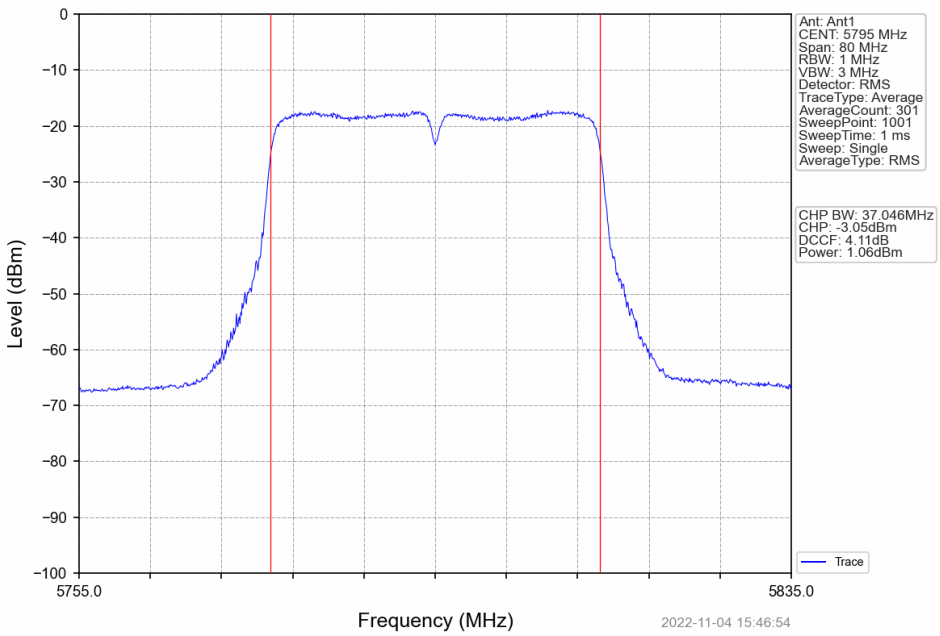
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



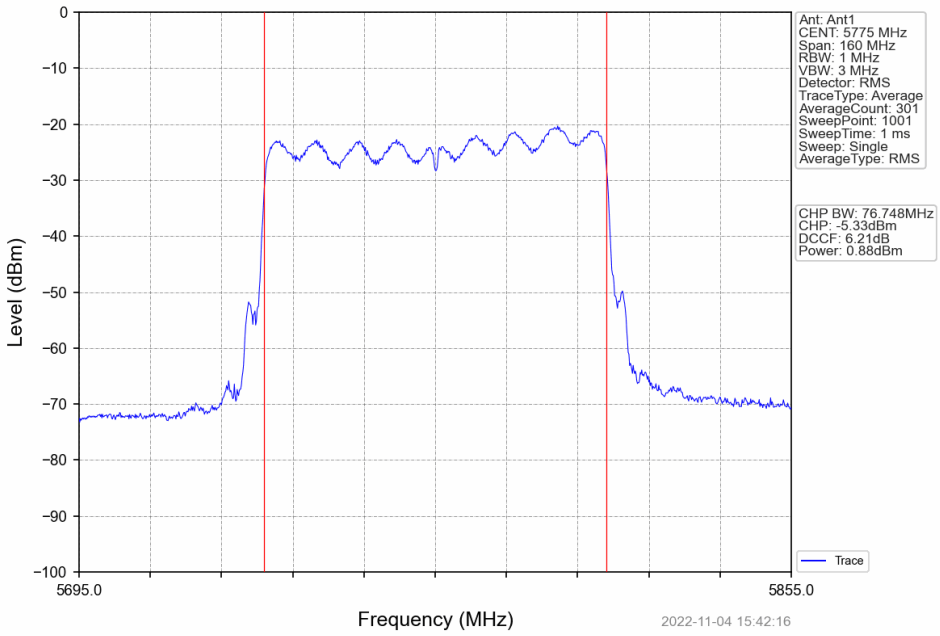
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



3. Maximum Power Spectral Density

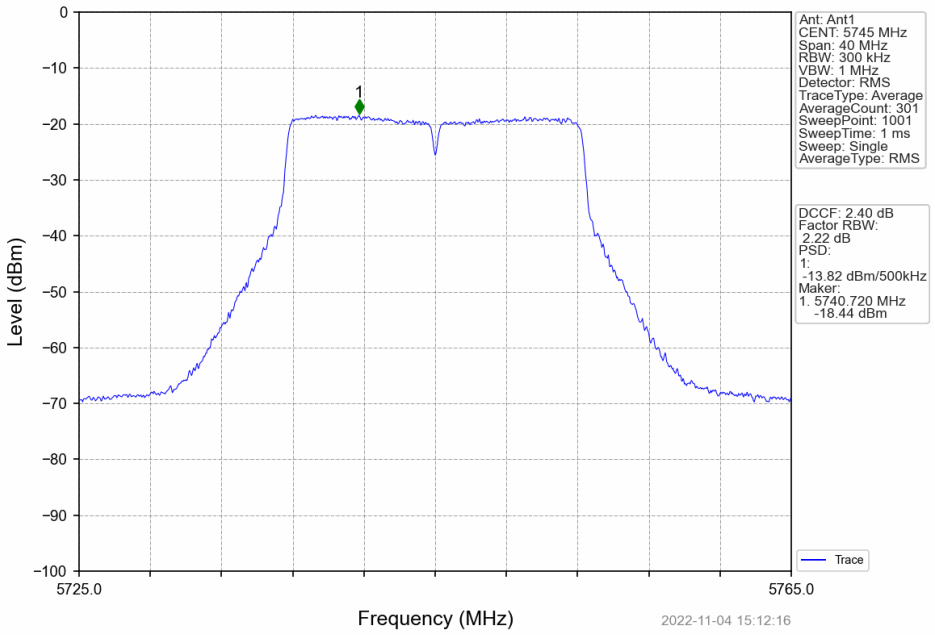
3.1 PSD-Band3

3.1.1 Test Result

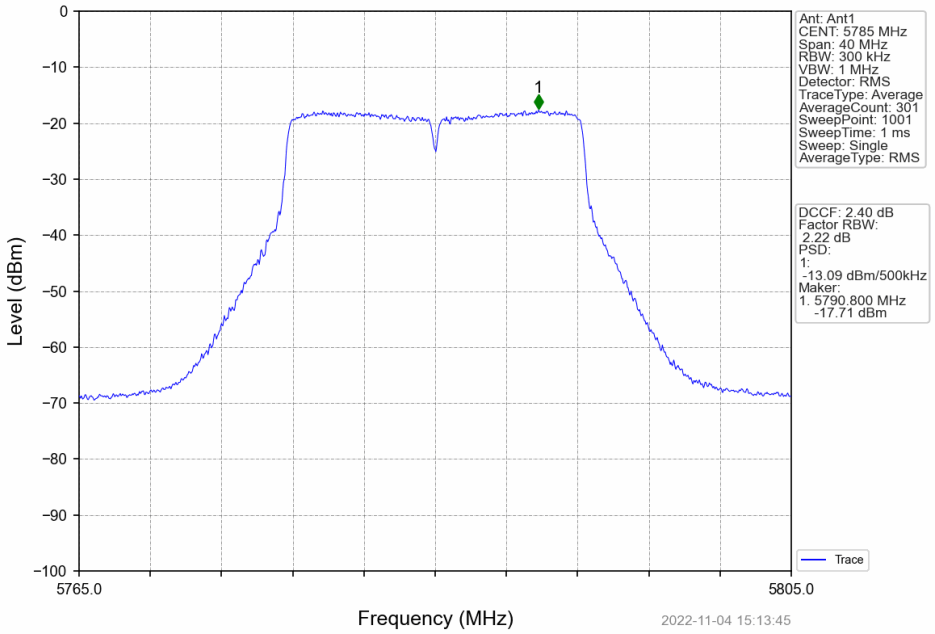
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-13.82	<=30	Pass
		5785	-13.09	<=30	Pass
		5825	-12.93	<=30	Pass
802.11n (HT20)	SISO	5745	-13.92	<=30	Pass
		5785	-13.15	<=30	Pass
		5825	-13.27	<=30	Pass
802.11n (HT40)	SISO	5755	-15.45	<=30	Pass
		5795	-15.79	<=30	Pass
802.11ac (VHT20)	SISO	5745	-13.96	<=30	Pass
		5785	-13.30	<=30	Pass
		5825	-13.10	<=30	Pass
802.11ac (VHT40)	SISO	5755	-16.03	<=30	Pass
		5795	-15.26	<=30	Pass
802.11ac (VHT80)	SISO	5775	-17.17	<=30	Pass
Note1: Antenna Gain: Ant1: 4.57dBi;					

3.1.2 Test Graph

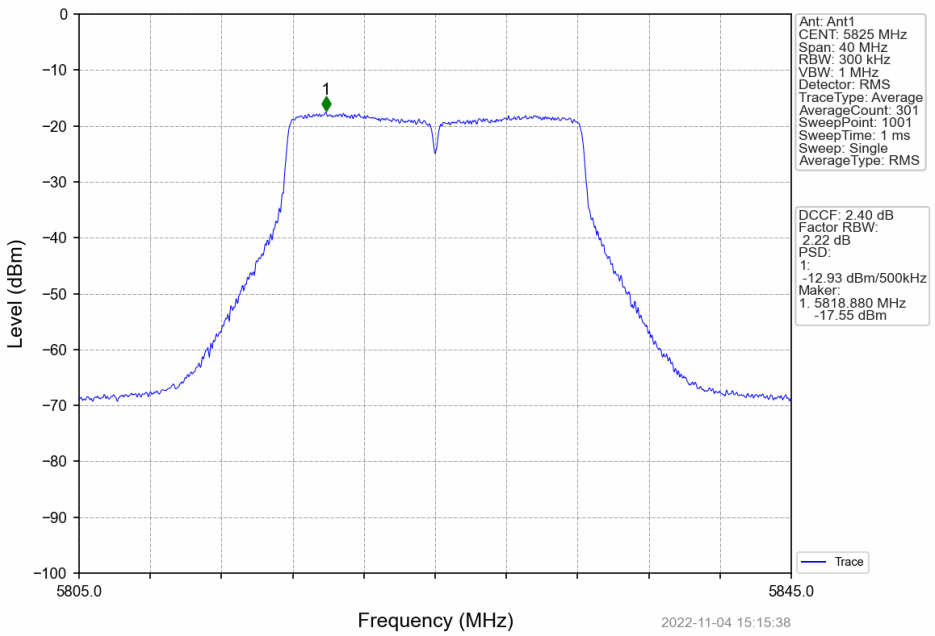
802.11a_LCH_5745MHz_Ant1_NTNV



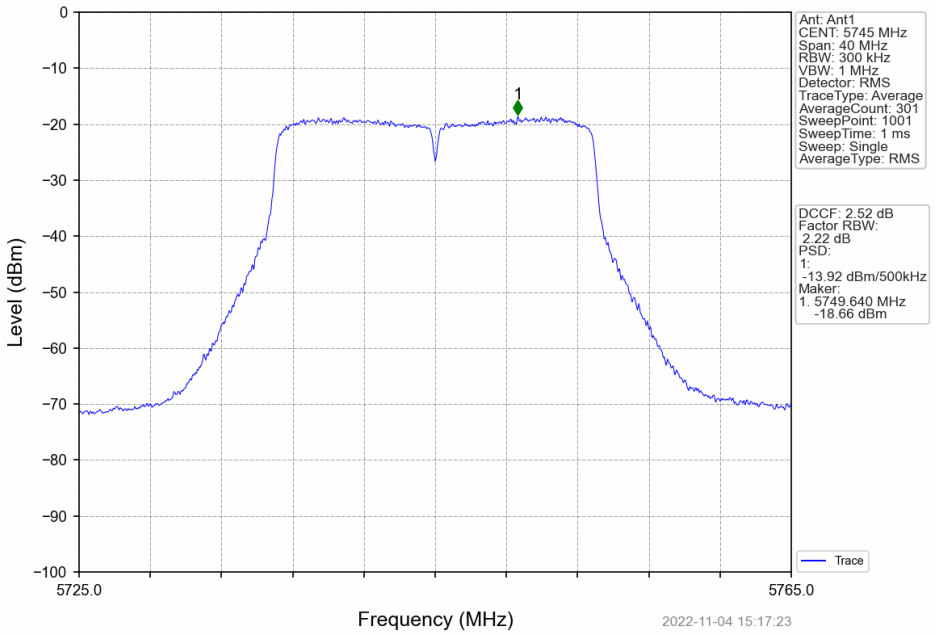
802.11a_MCH_5785MHz_Ant1_NTNV



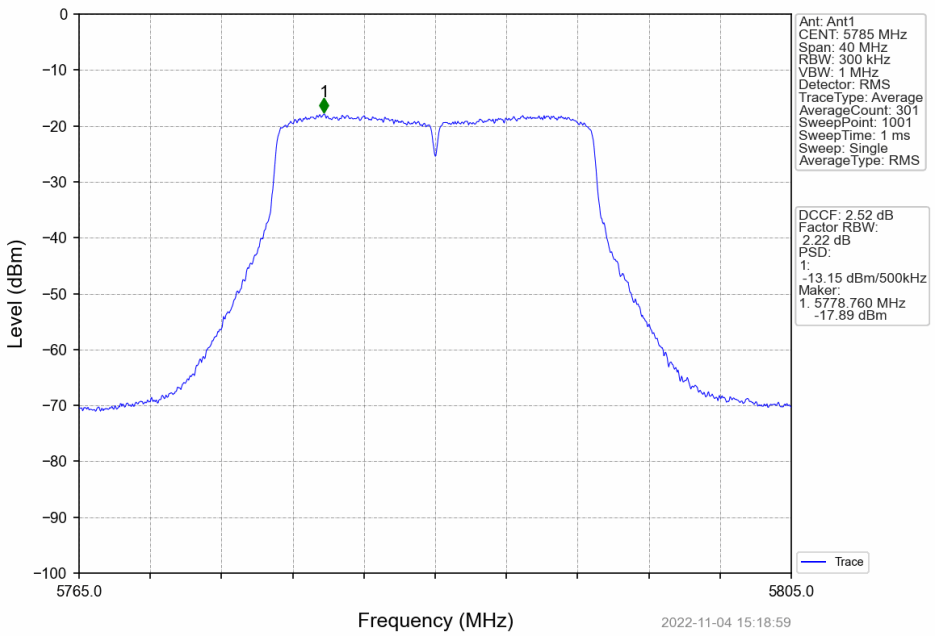
802.11a_HCH_5825MHz_Ant1_NTNV



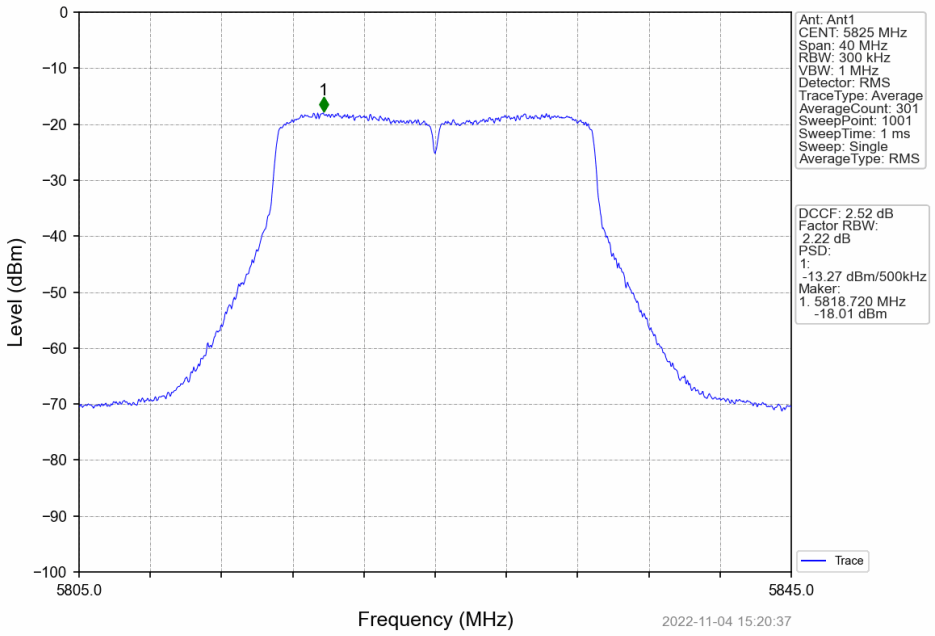
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



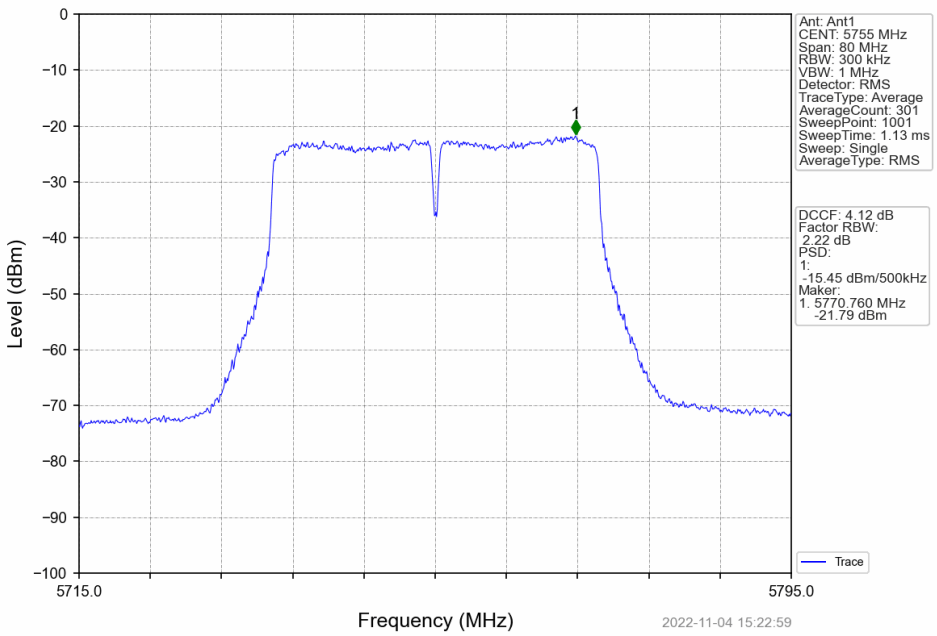
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



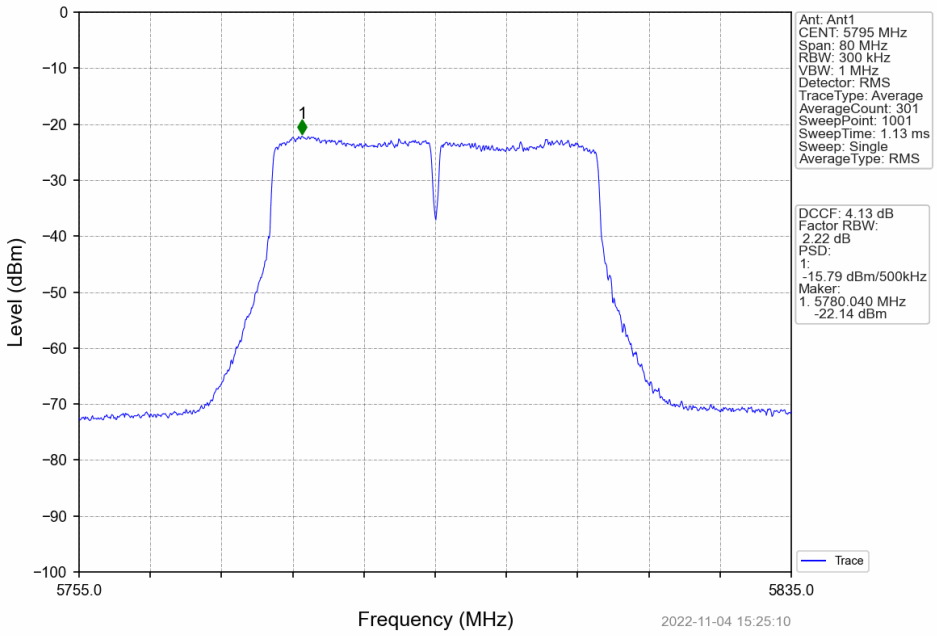
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



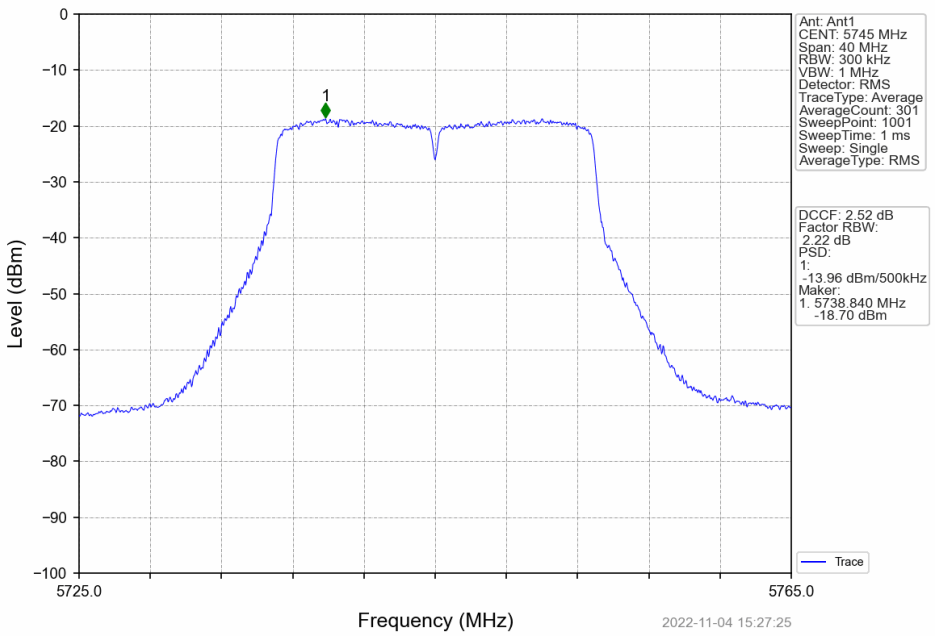
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



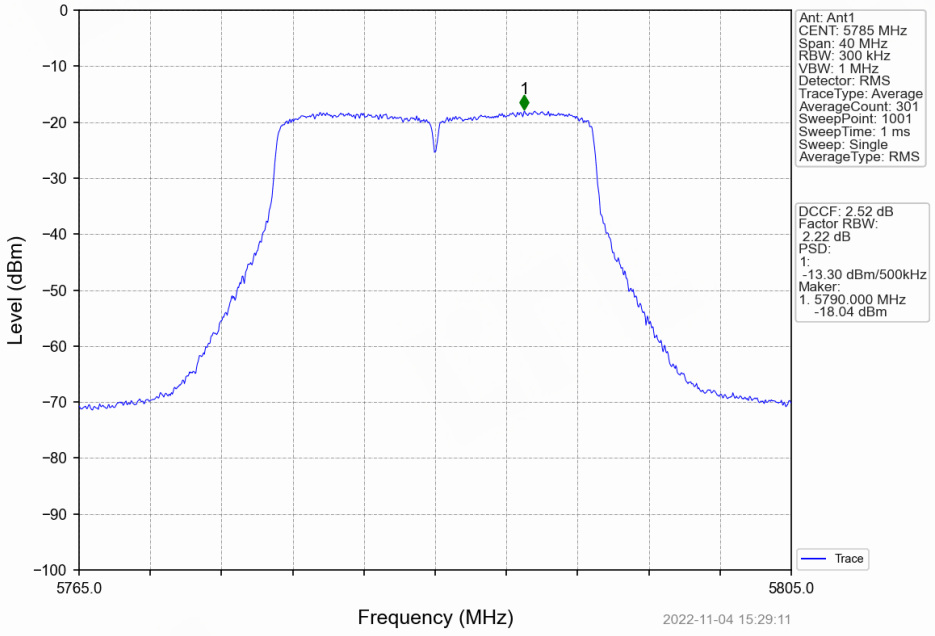
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



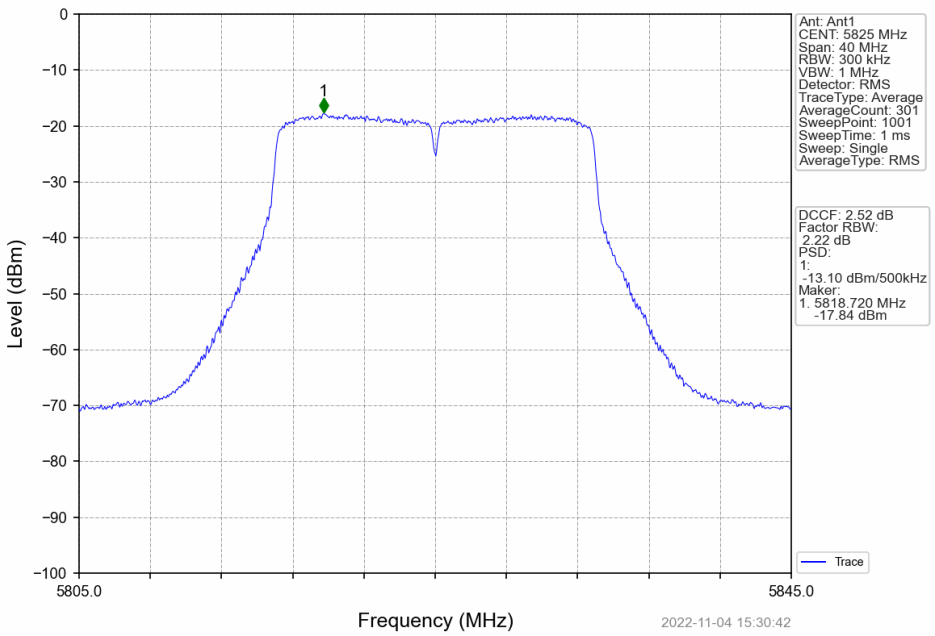
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



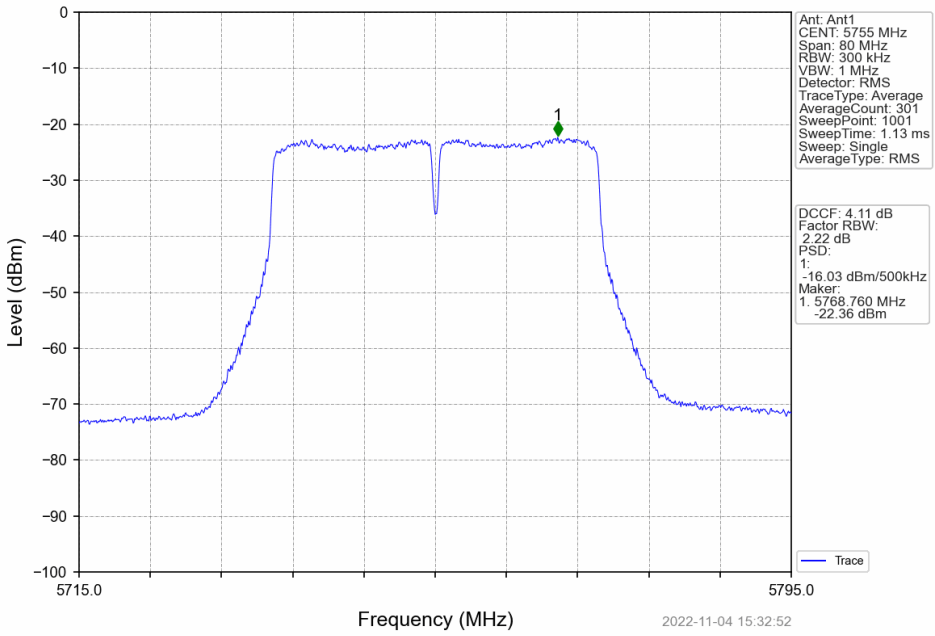
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



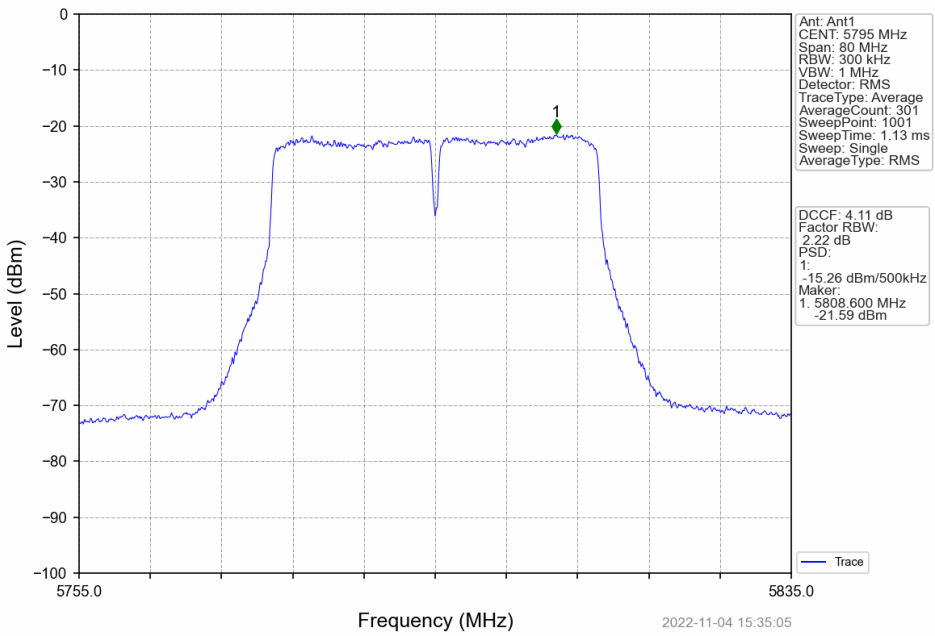
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



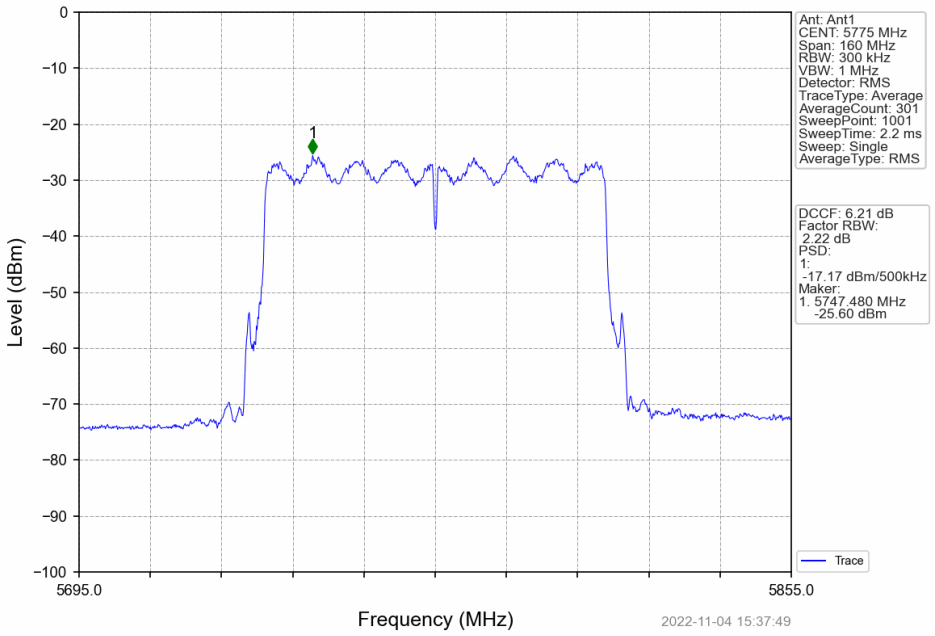
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



4. Frequency Stability

4.1 Ant1

4.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5745	20	102	5744.963	5725 to 5850	Pass
				120	5744.962	5725 to 5850	Pass
				138	5744.961	5725 to 5850	Pass
			-30	120	5744.960	5725 to 5850	Pass
			-20	120	5744.960	5725 to 5850	Pass
			-10	120	5744.960	5725 to 5850	Pass
			0	120	5744.960	5725 to 5850	Pass
			10	120	5744.959	5725 to 5850	Pass
			30	120	5744.959	5725 to 5850	Pass
			40	120	5744.959	5725 to 5850	Pass
			50	120	5744.959	5725 to 5850	Pass
		5785	20	102	5784.959	5725 to 5850	Pass
				120	5784.959	5725 to 5850	Pass
				138	5784.959	5725 to 5850	Pass
			-30	120	5784.959	5725 to 5850	Pass
			-20	120	5784.959	5725 to 5850	Pass
			-10	120	5784.959	5725 to 5850	Pass
			0	120	5784.959	5725 to 5850	Pass
			10	120	5784.959	5725 to 5850	Pass
			30	120	5784.959	5725 to 5850	Pass
			40	120	5784.959	5725 to 5850	Pass
			50	120	5784.959	5725 to 5850	Pass
		5825	20	102	5824.959	5725 to 5850	Pass
				120	5824.959	5725 to 5850	Pass
				138	5824.959	5725 to 5850	Pass
			-30	120	5824.959	5725 to 5850	Pass
			-20	120	5824.959	5725 to 5850	Pass
			-10	120	5824.959	5725 to 5850	Pass
			0	120	5824.959	5725 to 5850	Pass
			10	120	5824.959	5725 to 5850	Pass
			30	120	5824.959	5725 to 5850	Pass
			40	120	5824.959	5725 to 5850	Pass
			50	120	5824.959	5725 to 5850	Pass
		5755	20	102	5754.959	5725 to 5850	Pass
				120	5754.959	5725 to 5850	Pass
				138	5754.959	5725 to 5850	Pass
			-30	120	5754.959	5725 to 5850	Pass
			-20	120	5754.959	5725 to 5850	Pass
			-10	120	5754.959	5725 to 5850	Pass
			0	120	5754.959	5725 to 5850	Pass
			10	120	5754.959	5725 to 5850	Pass
			30	120	5754.959	5725 to 5850	Pass
			40	120	5754.959	5725 to 5850	Pass
			50	120	5754.959	5725 to 5850	Pass
		5795	20	102	5794.959	5725 to 5850	Pass
				120	5794.959	5725 to 5850	Pass
				138	5794.959	5725 to 5850	Pass
			-30	120	5794.959	5725 to 5850	Pass
			-20	120	5794.959	5725 to 5850	Pass

			-10	120	5794.959	5725 to 5850	Pass
			0	120	5794.959	5725 to 5850	Pass
			10	120	5794.959	5725 to 5850	Pass
			30	120	5794.959	5725 to 5850	Pass
			40	120	5794.959	5725 to 5850	Pass
			50	120	5794.959	5725 to 5850	Pass
		5775	20	102	5774.959	5725 to 5850	Pass
				120	5774.959	5725 to 5850	Pass
				138	5774.959	5725 to 5850	Pass
			-30	120	5774.959	5725 to 5850	Pass
			-20	120	5774.959	5725 to 5850	Pass
			-10	120	5774.959	5725 to 5850	Pass
			0	120	5774.959	5725 to 5850	Pass
			10	120	5774.959	5725 to 5850	Pass
			30	120	5774.959	5725 to 5850	Pass
			40	120	5774.959	5725 to 5850	Pass
			50	120	5774.959	5725 to 5850	Pass