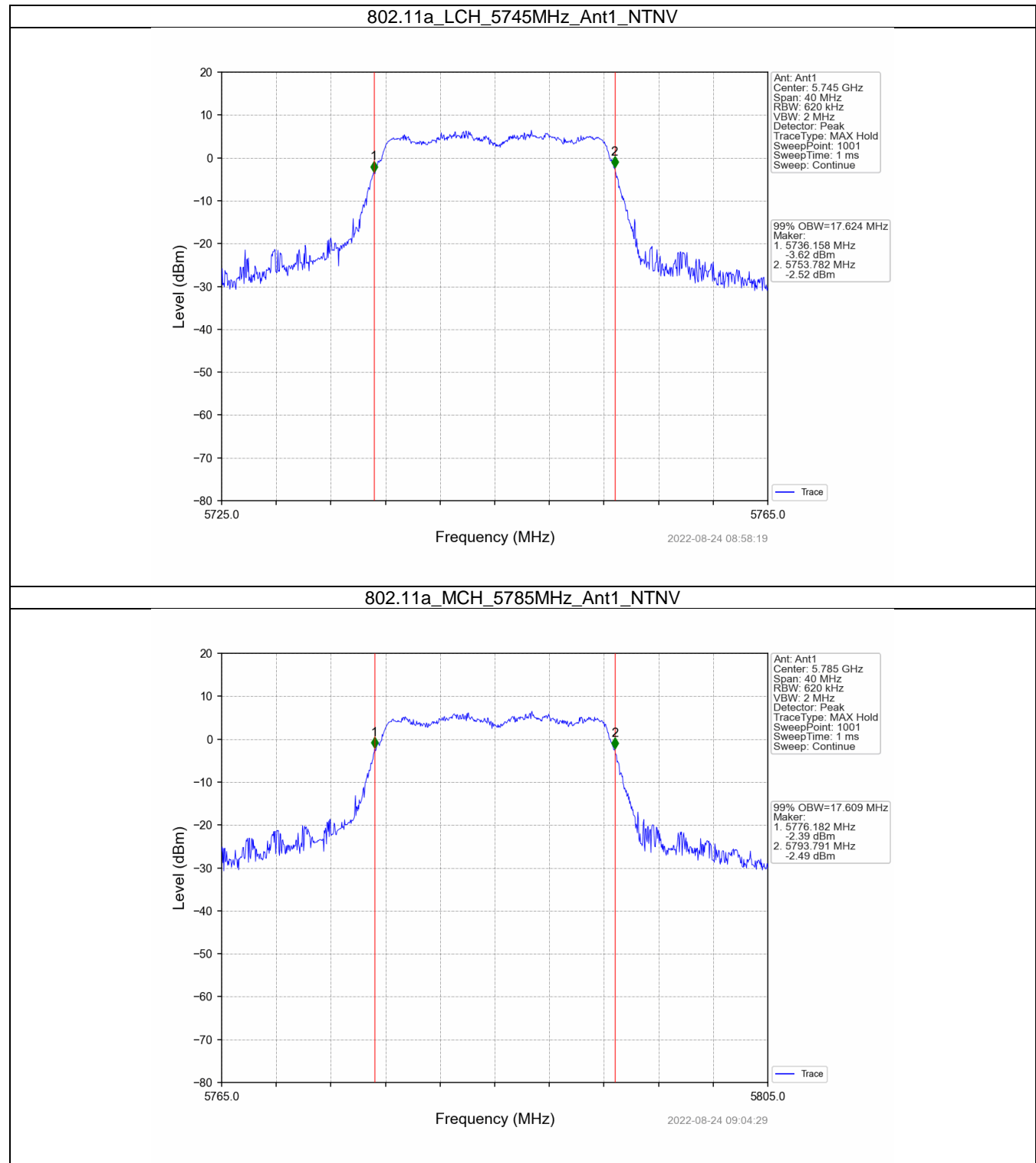


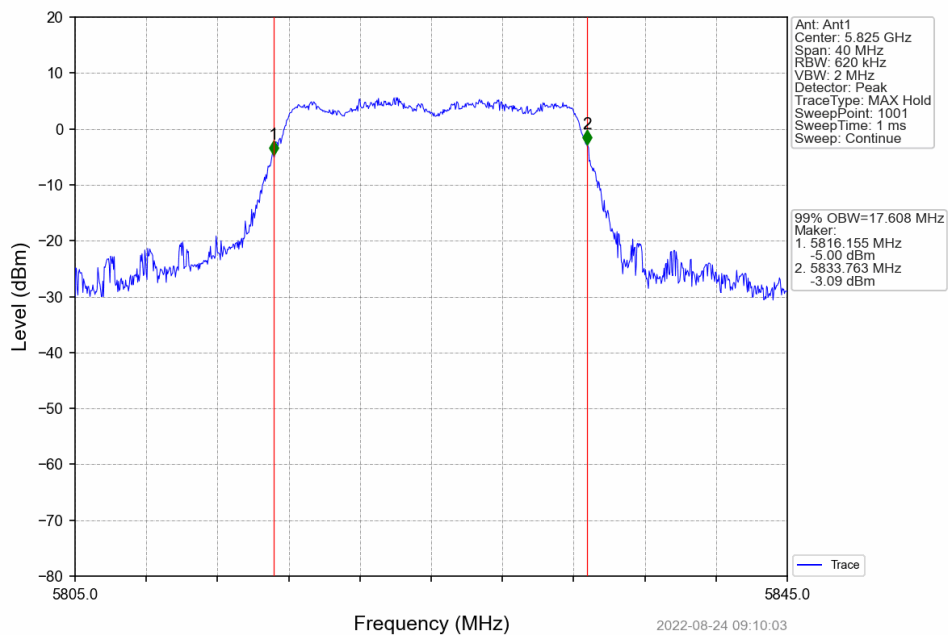
Test Data for 5G_BAND3**Product Name: MaaXBoard RT****Test Model: AES-MC-SBC-IMXRT1176-G****1. Bandwidth****1.1 OBW****1.1.1 Test Result**

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5745	1	17.624	Pass
		5785	1	17.609	Pass
		5825	1	17.608	Pass
802.11n (HT20)	SISO	5745	1	18.186	Pass
		5785	1	18.190	Pass
		5825	1	18.181	Pass
802.11n (HT40)	SISO	5755	1	36.822	Pass
		5795	1	36.742	Pass
802.11ac (VHT20)	SISO	5745	1	18.172	Pass
		5785	1	18.173	Pass
		5825	1	18.221	Pass
802.11ac (VHT40)	SISO	5755	1	36.815	Pass
		5795	1	36.834	Pass
802.11ac (VHT80)	SISO	5775	1	76.876	Pass

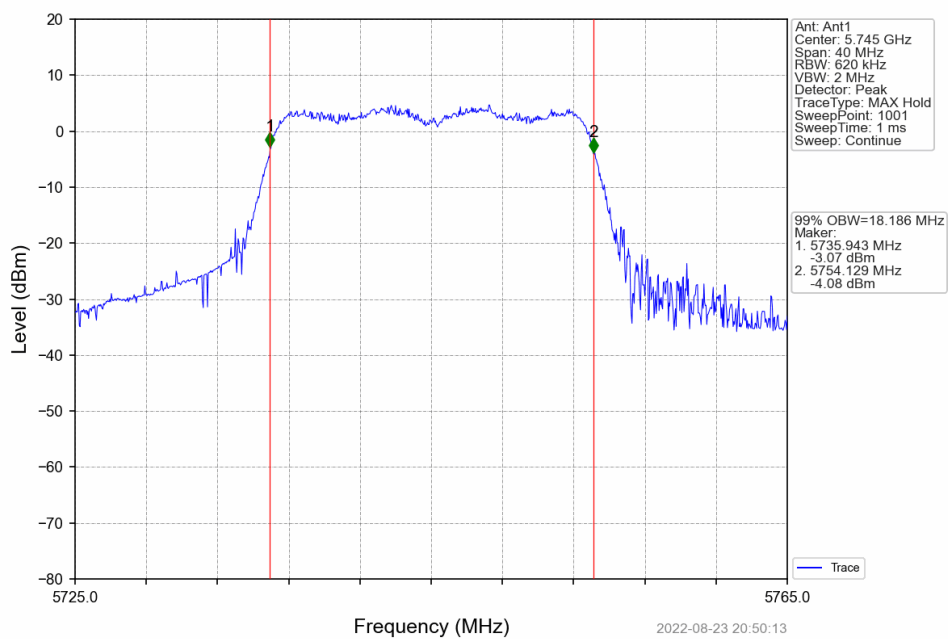
1.1.2 Test Graph



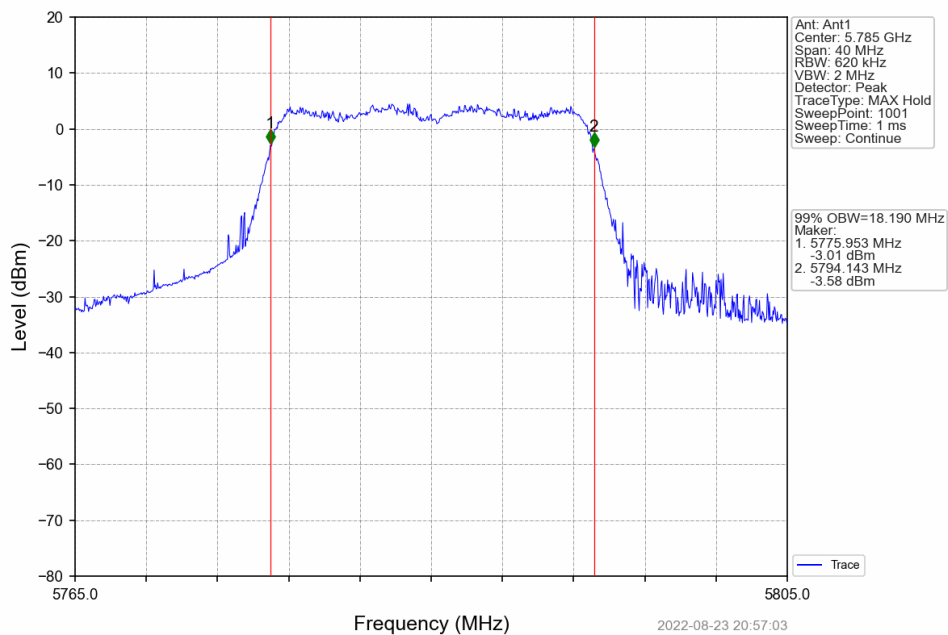
802.11a_HCH_5825MHz_Ant1_NTNV



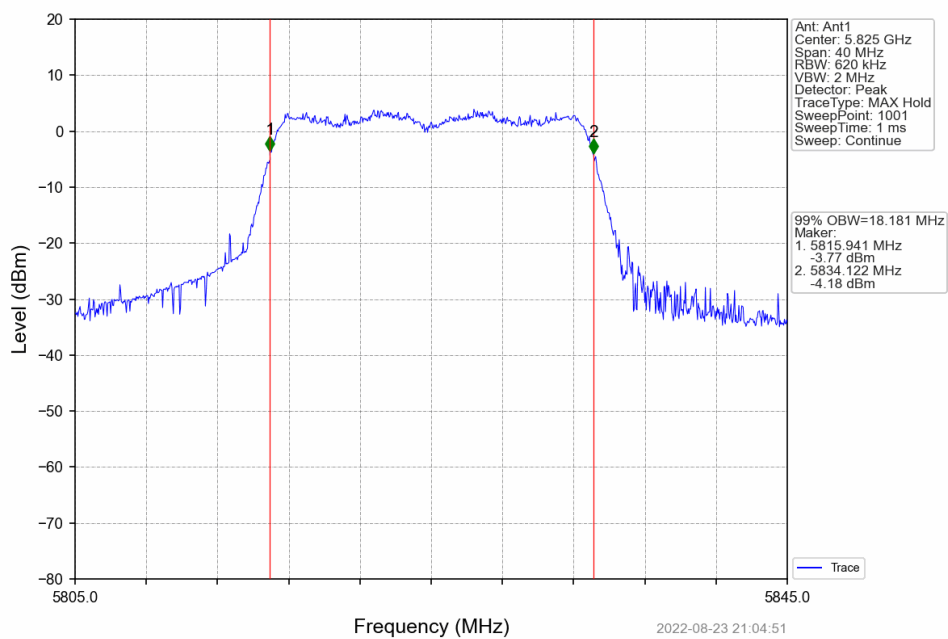
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



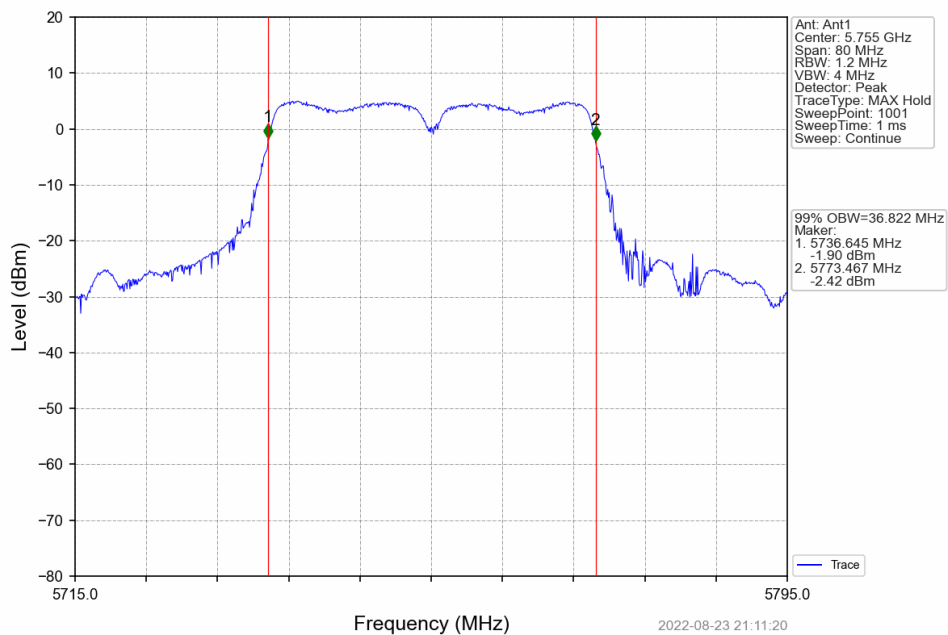
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



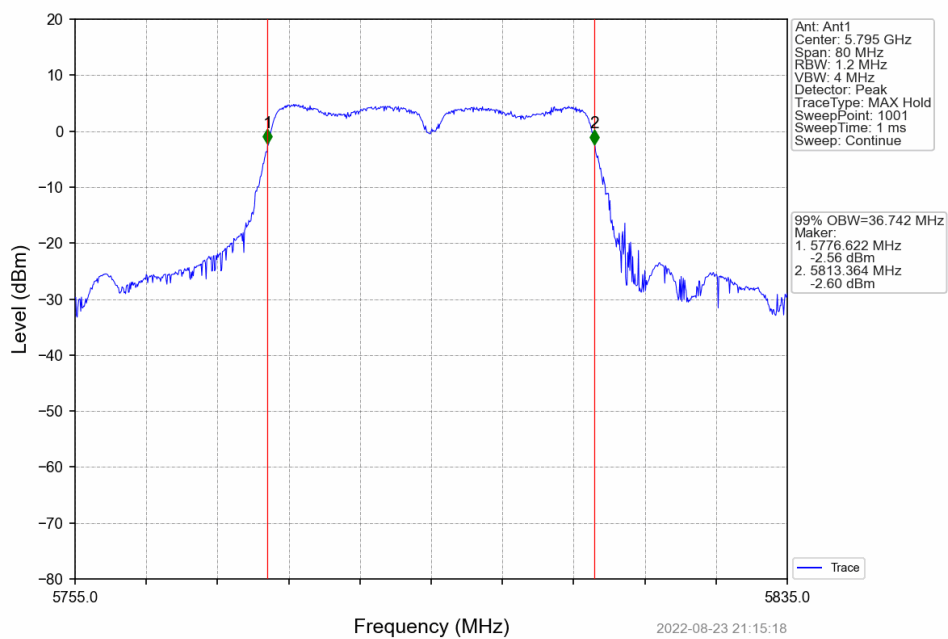
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



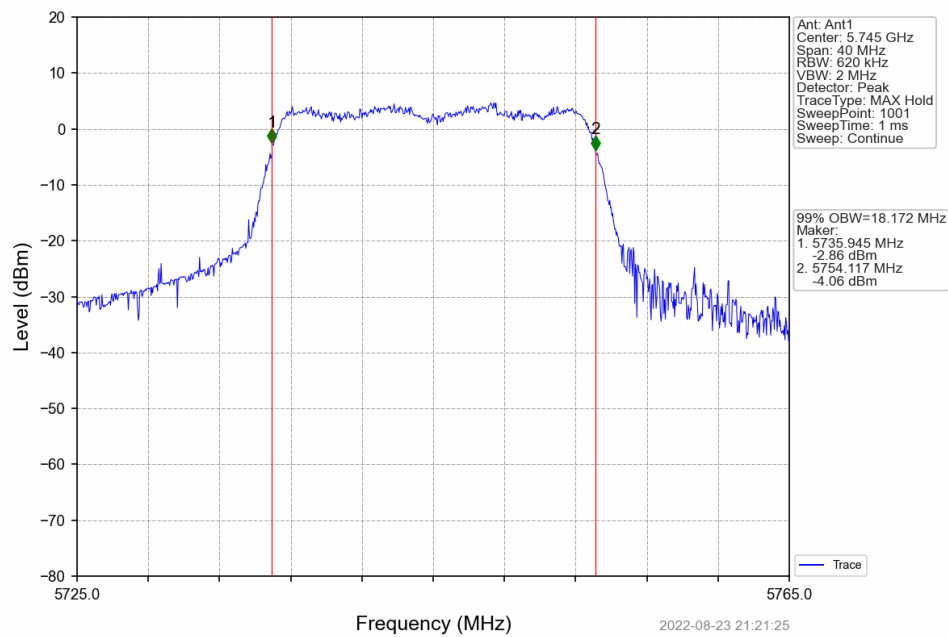
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



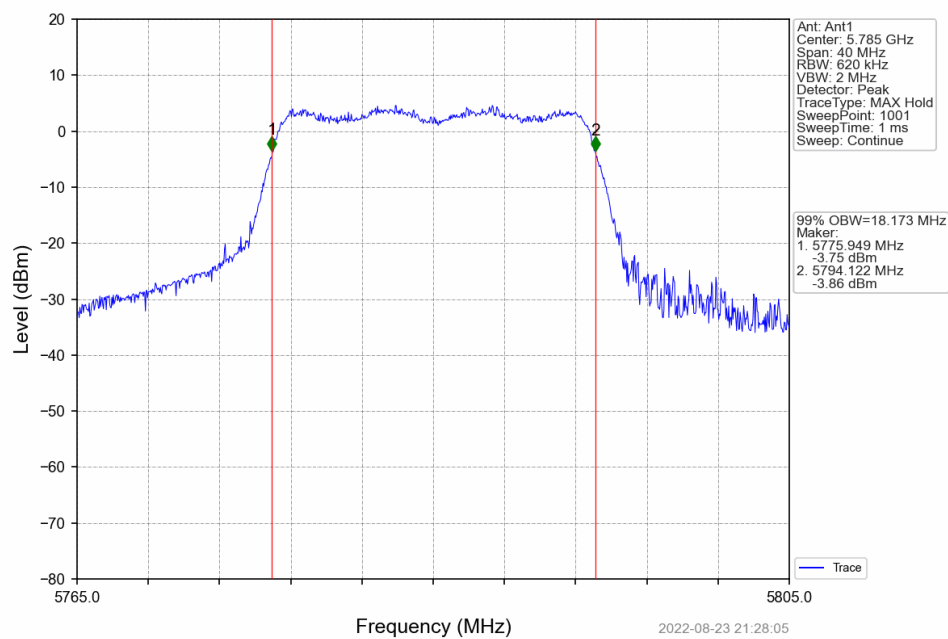
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



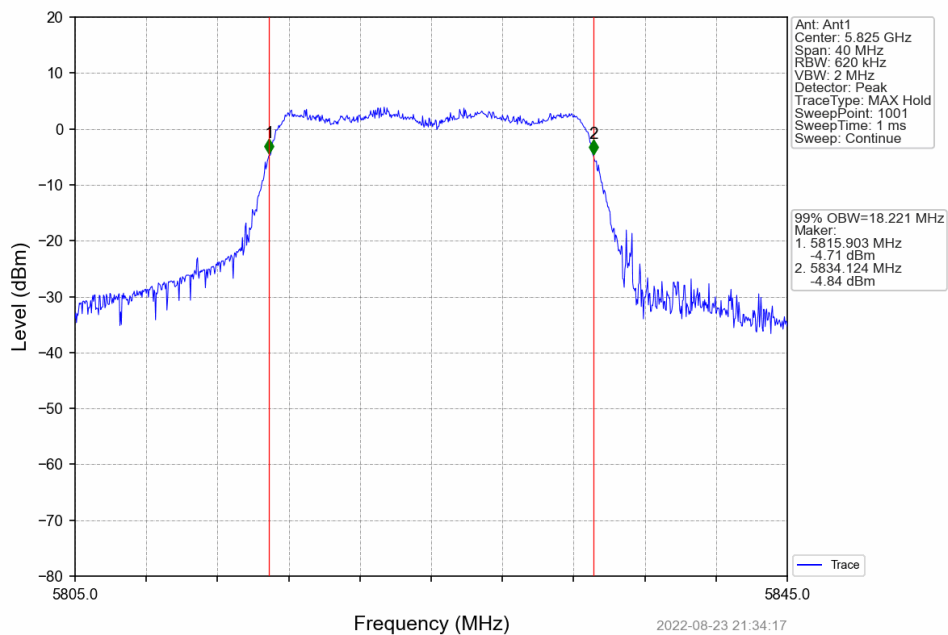
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



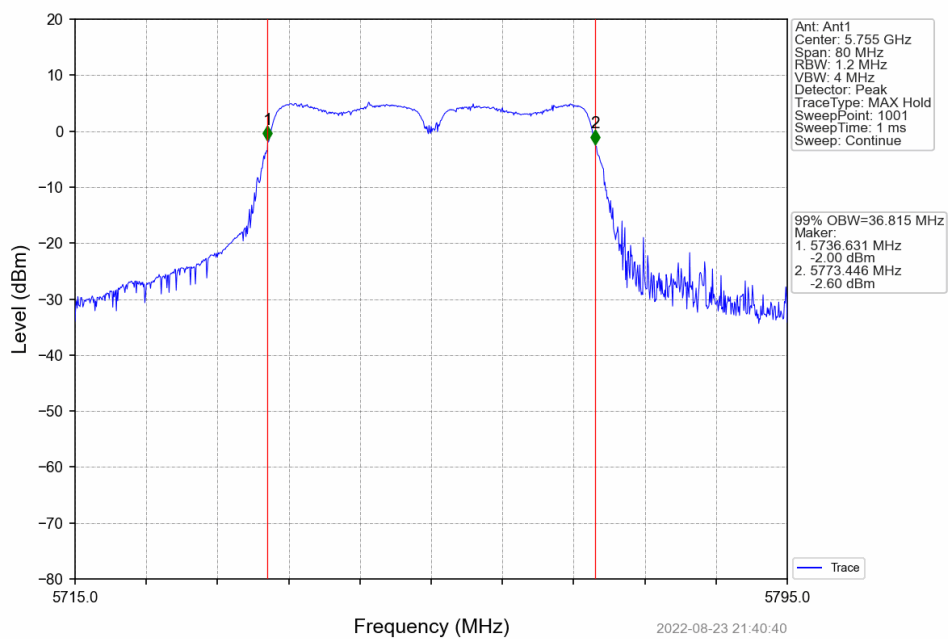
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



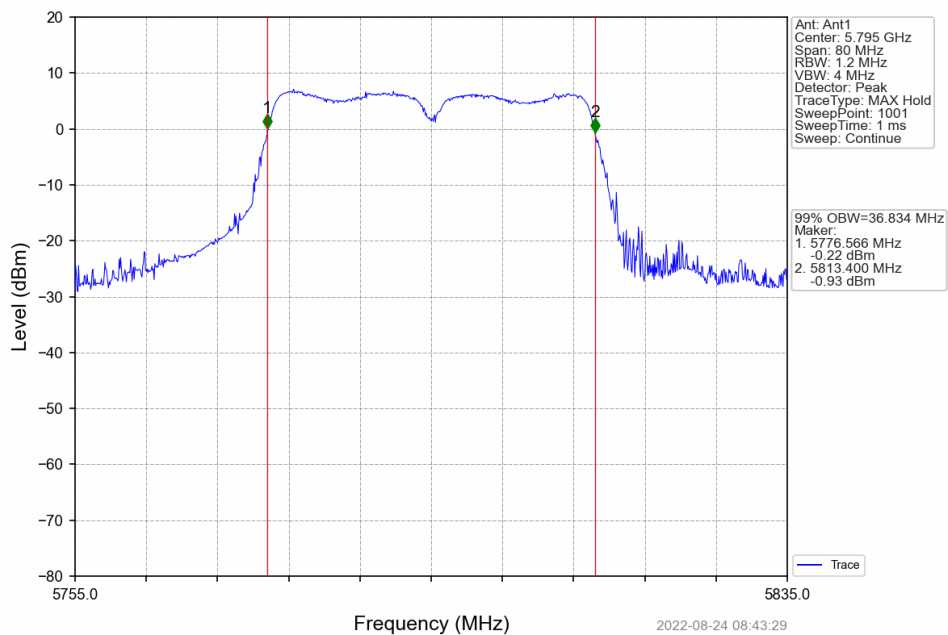
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



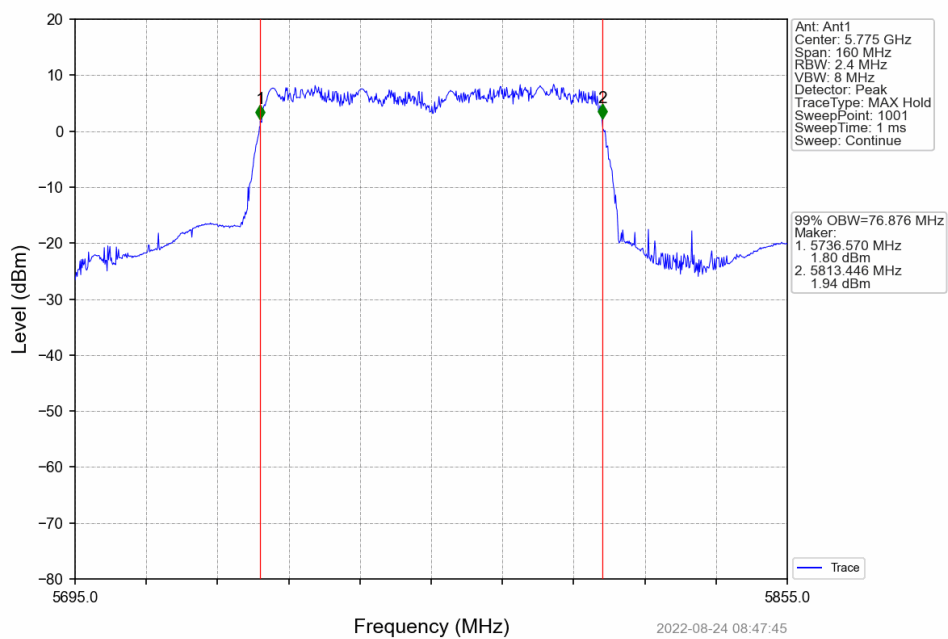
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

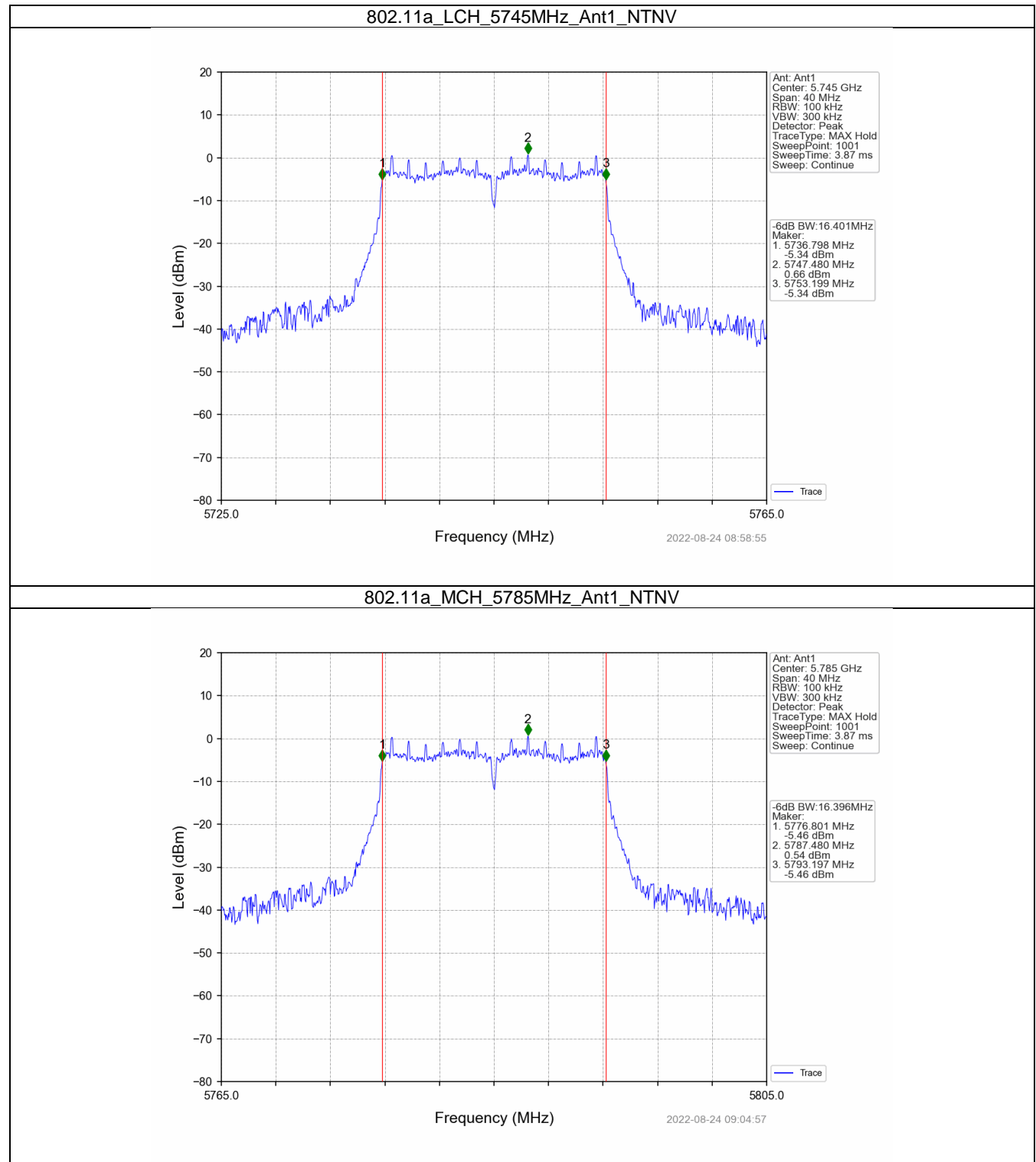


1.2 6dB BW

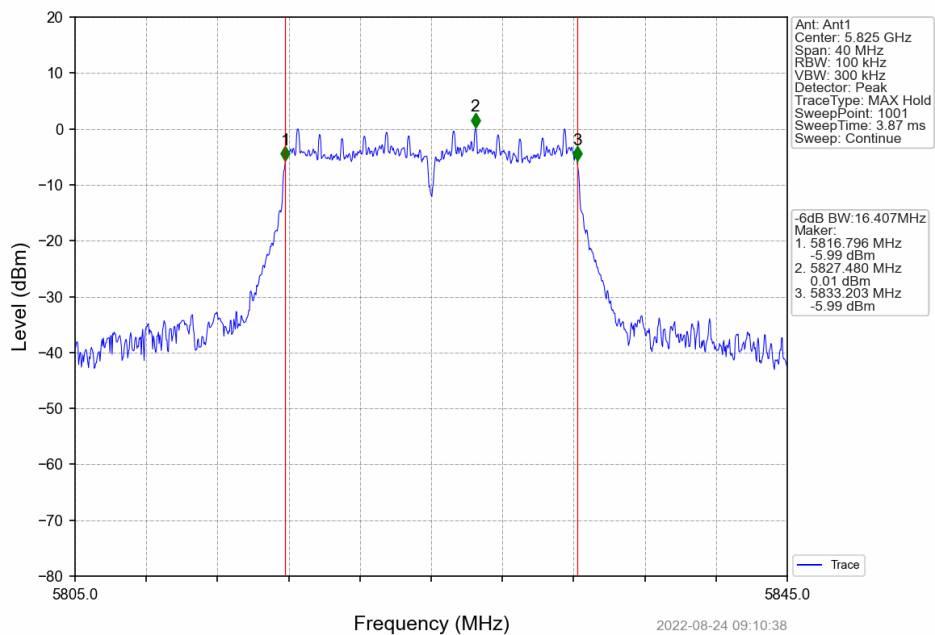
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.401	≥ 0.5	Pass
		5785	1	16.396	≥ 0.5	Pass
		5825	1	16.407	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	17.603	≥ 0.5	Pass
		5785	1	17.586	≥ 0.5	Pass
		5825	1	17.597	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.750	≥ 0.5	Pass
		5795	1	35.727	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.615	≥ 0.5	Pass
		5785	1	17.606	≥ 0.5	Pass
		5825	1	17.597	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.780	≥ 0.5	Pass
		5795	1	35.722	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	1	76.281	≥ 0.5	Pass

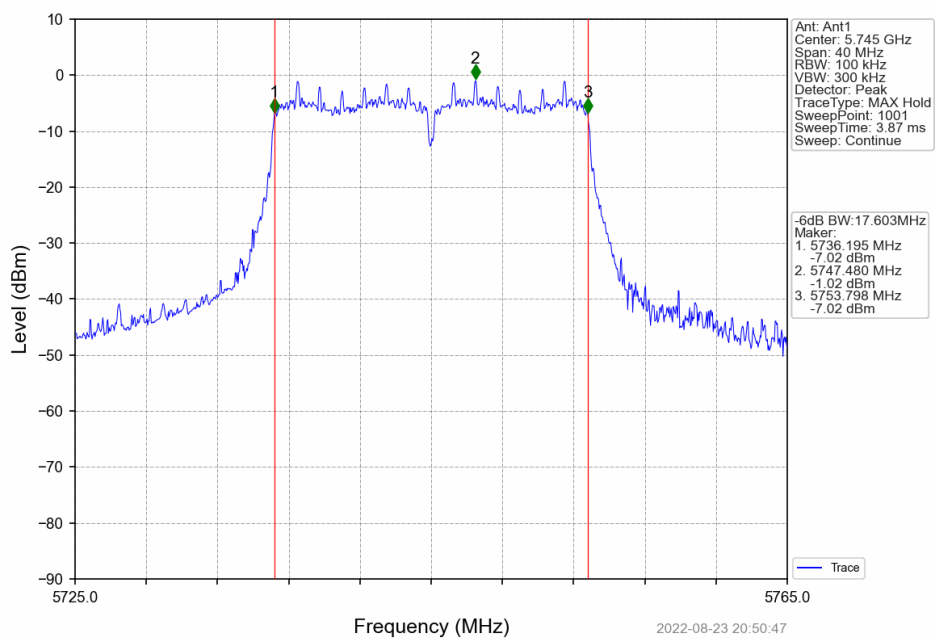
1.2.2 Test Graph



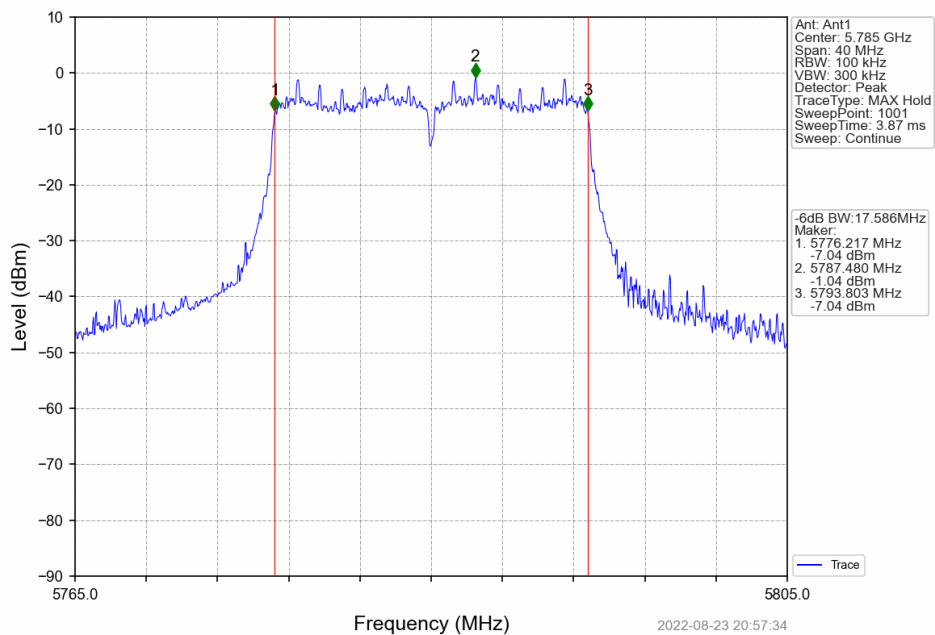
802.11a_HCH_5825MHz_Ant1_NTNV



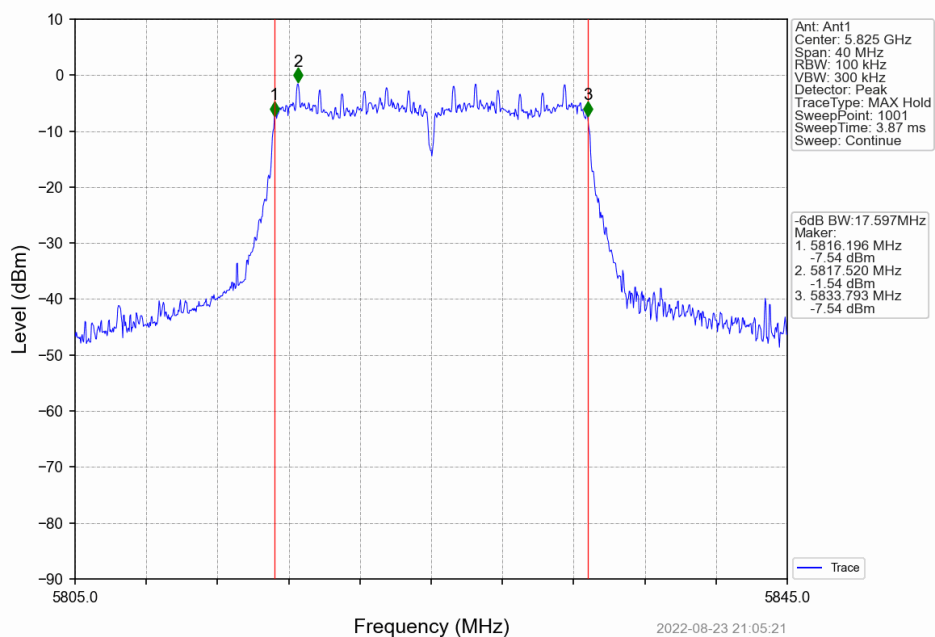
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



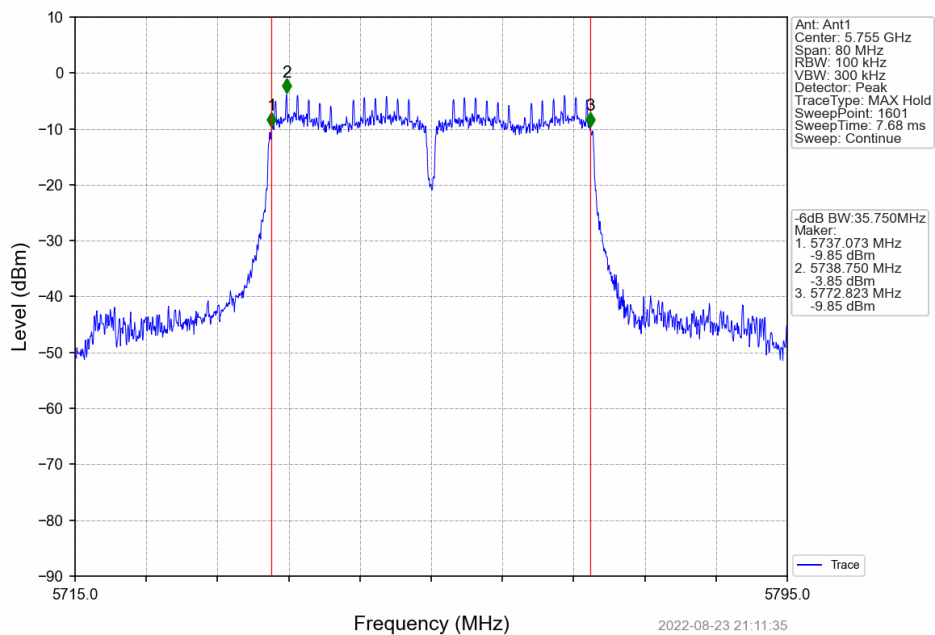
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



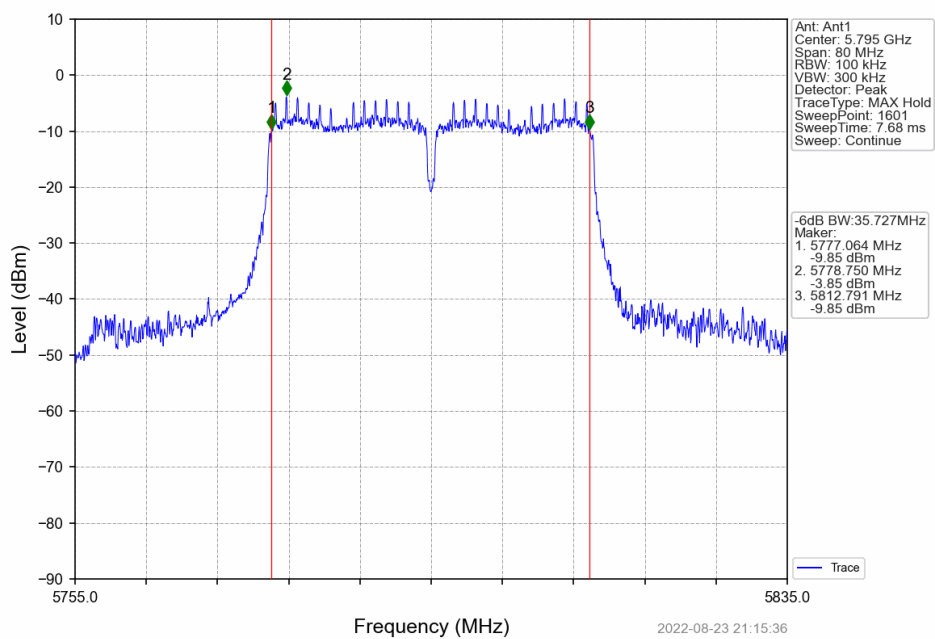
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



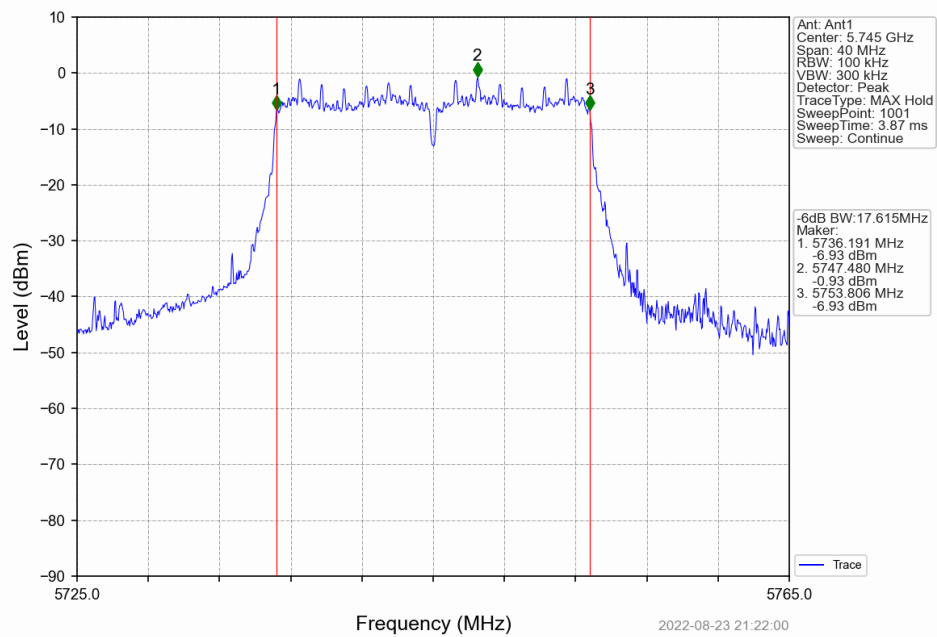
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



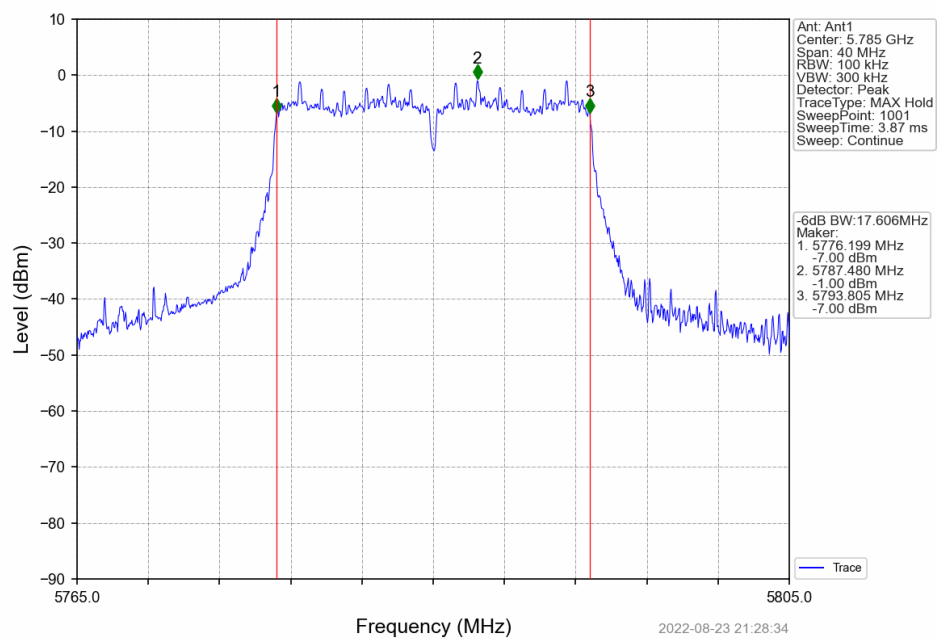
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



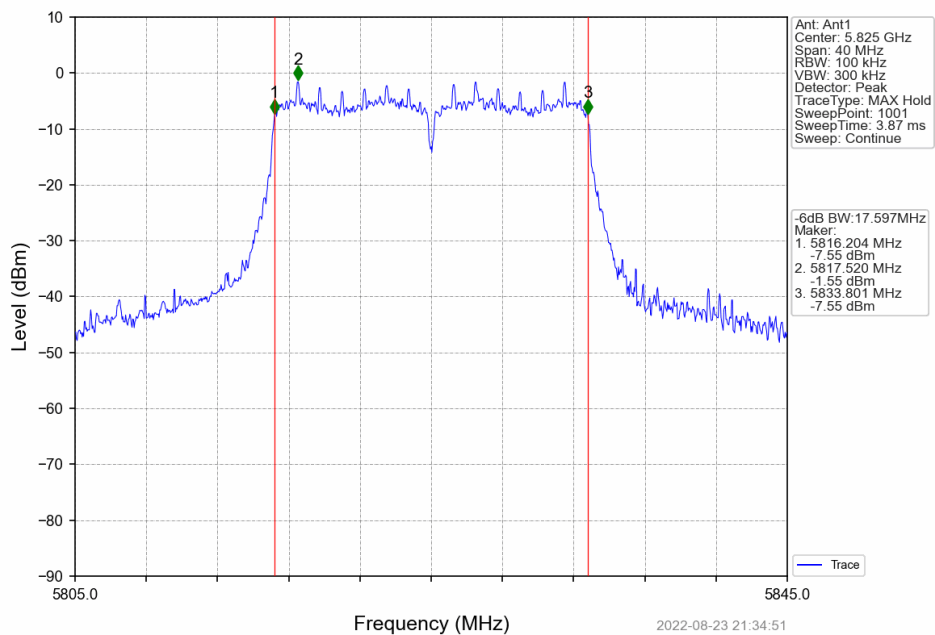
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



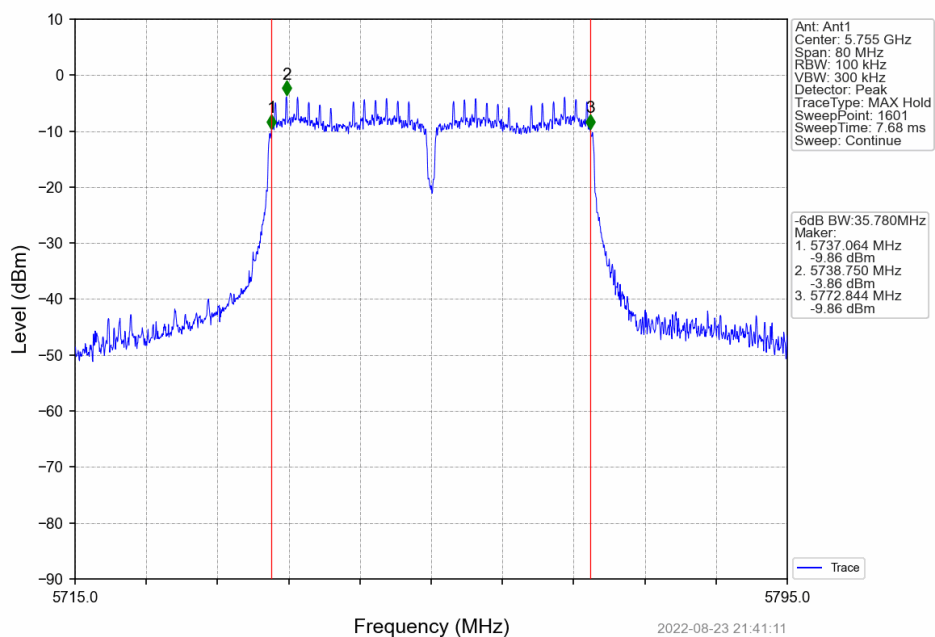
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



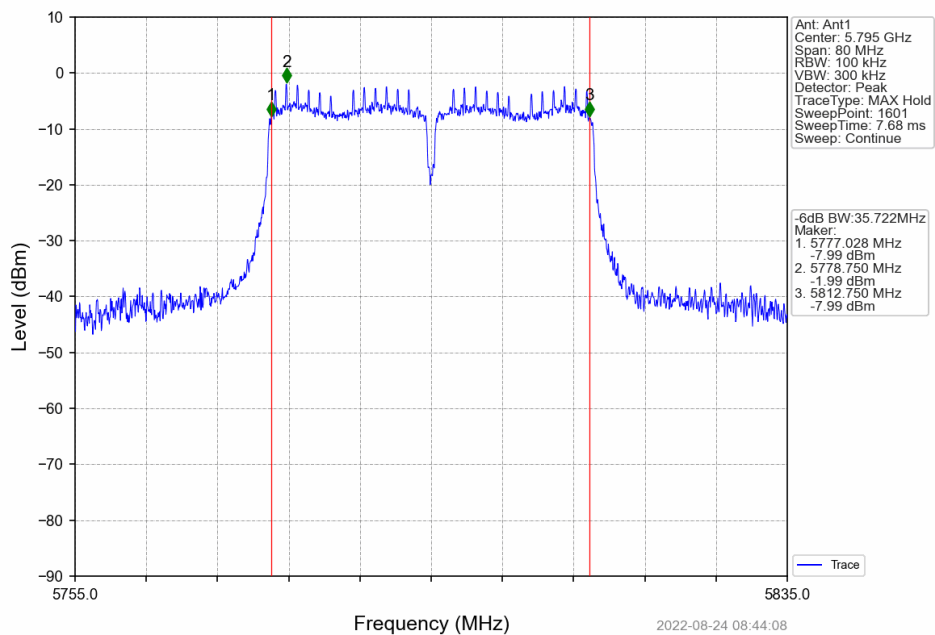
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



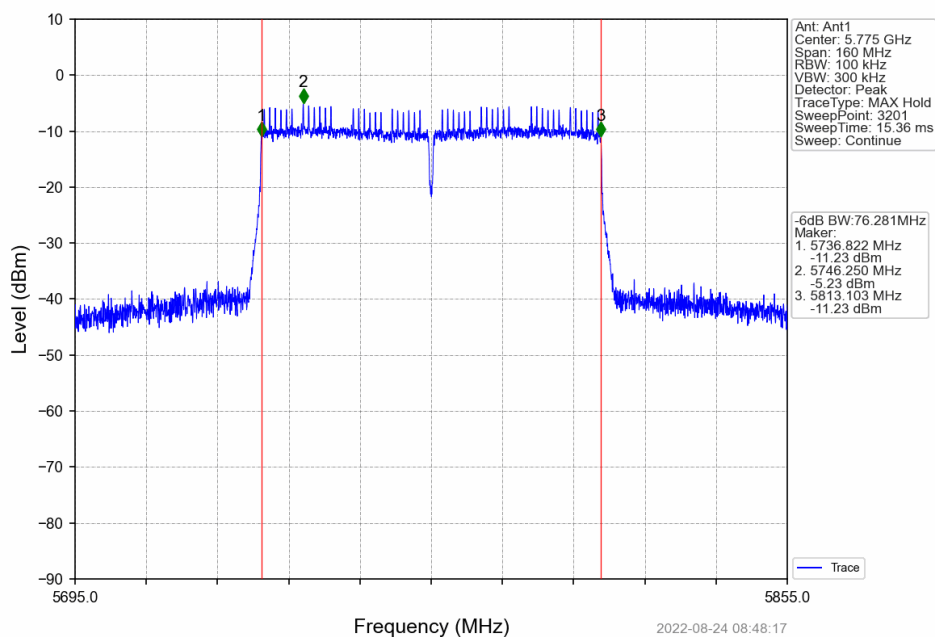
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



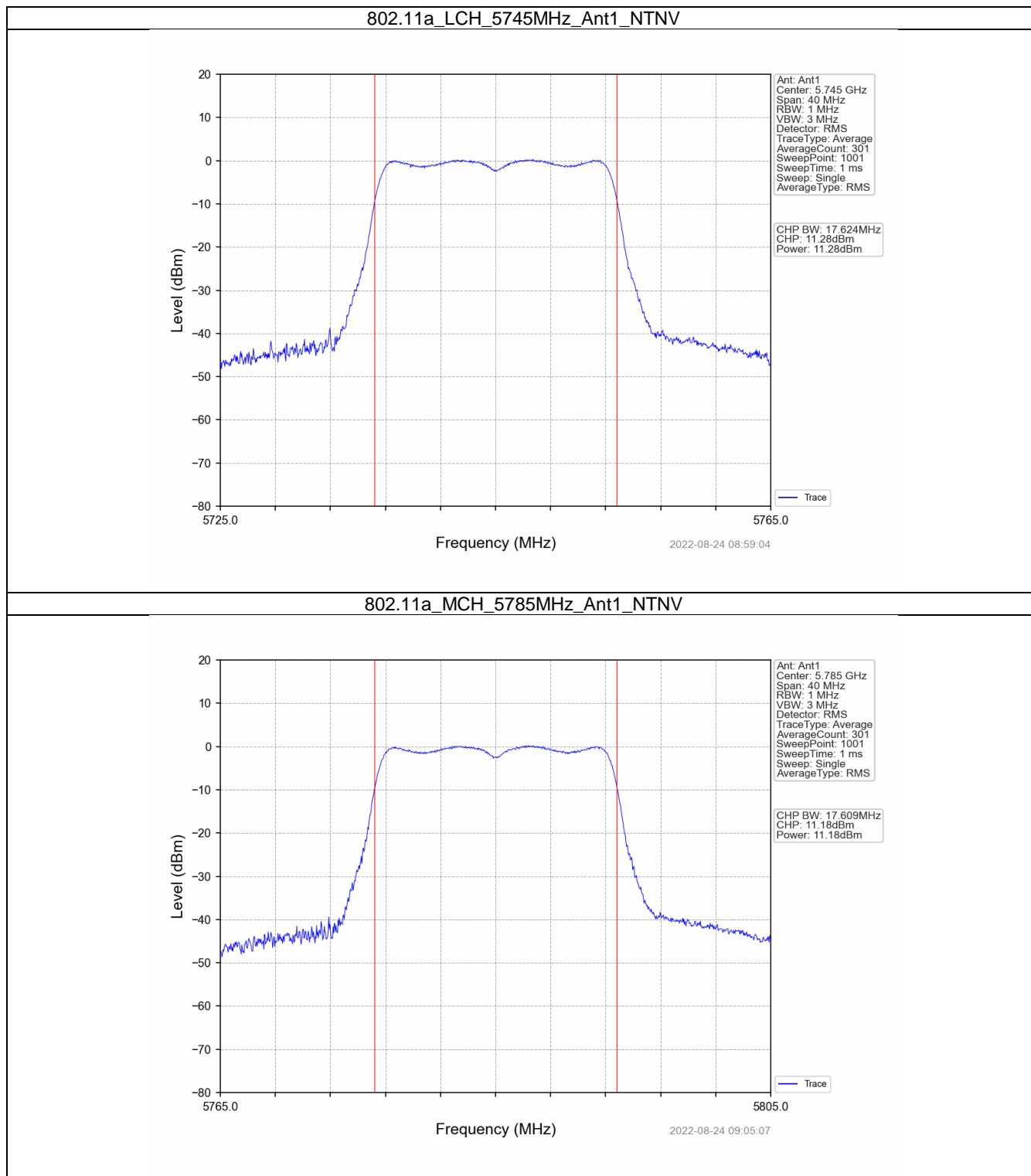
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



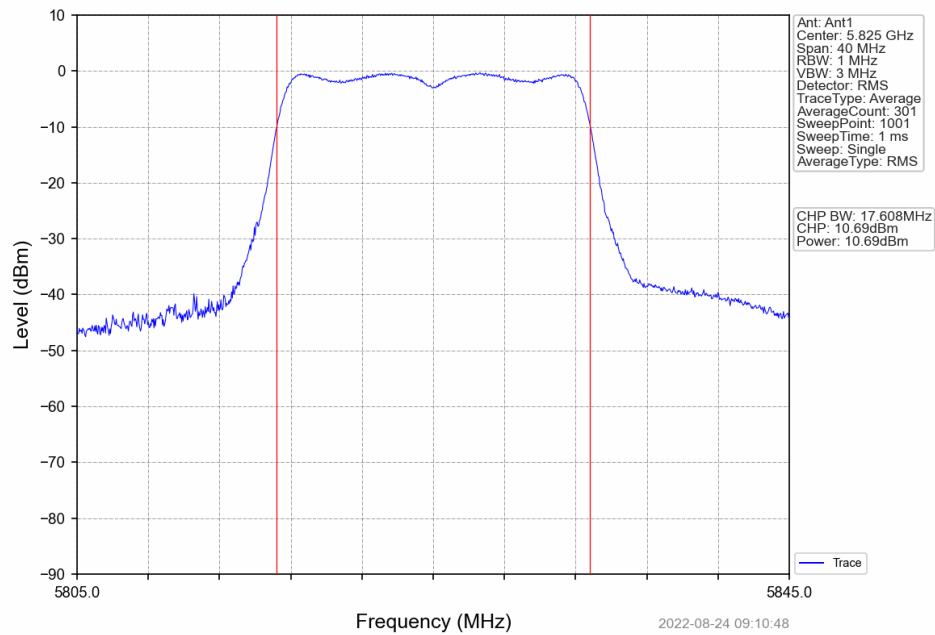
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



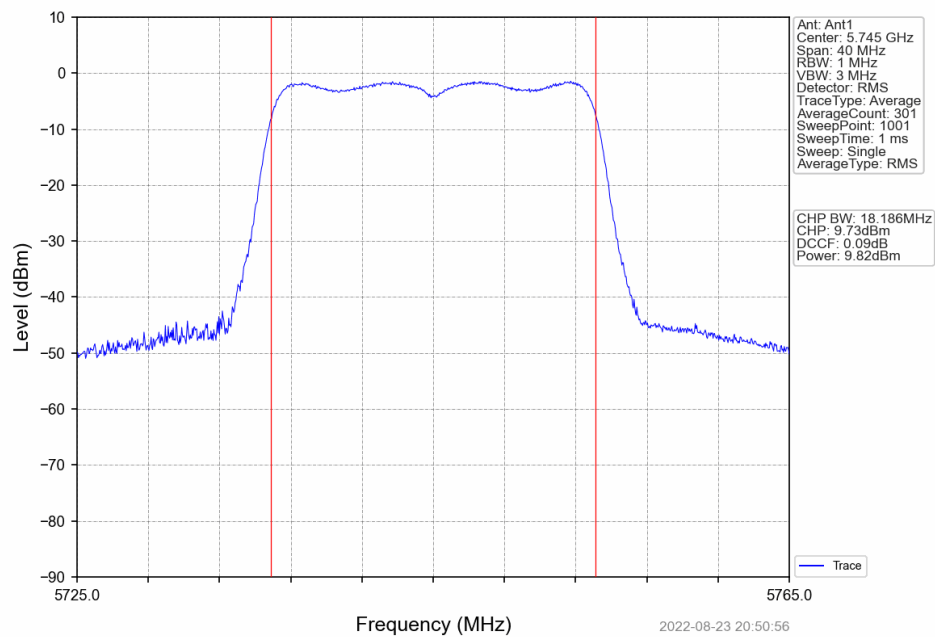
2.1.2 Test Graph



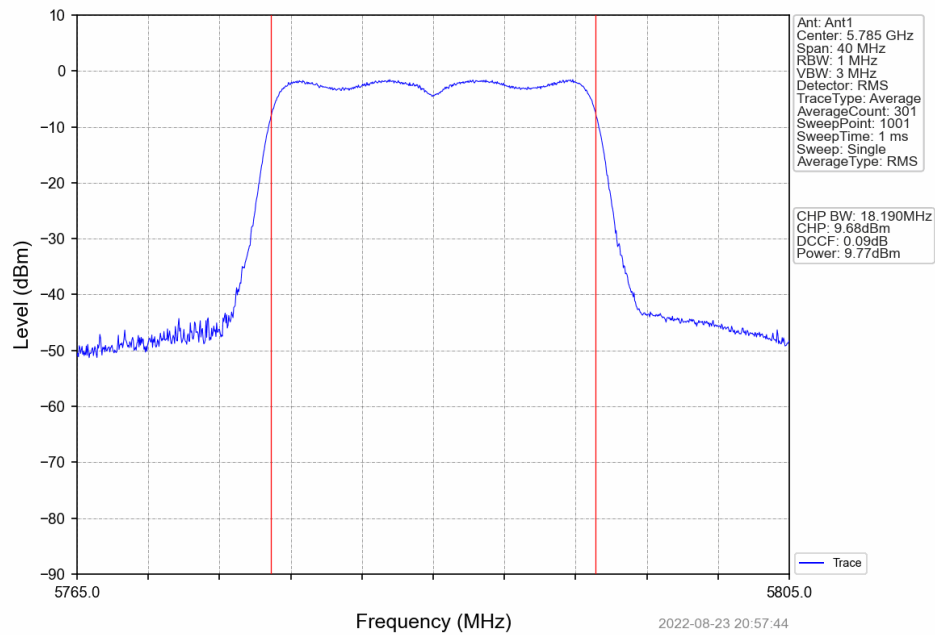
802.11a_HCH_5825MHz_Ant1_NTNV



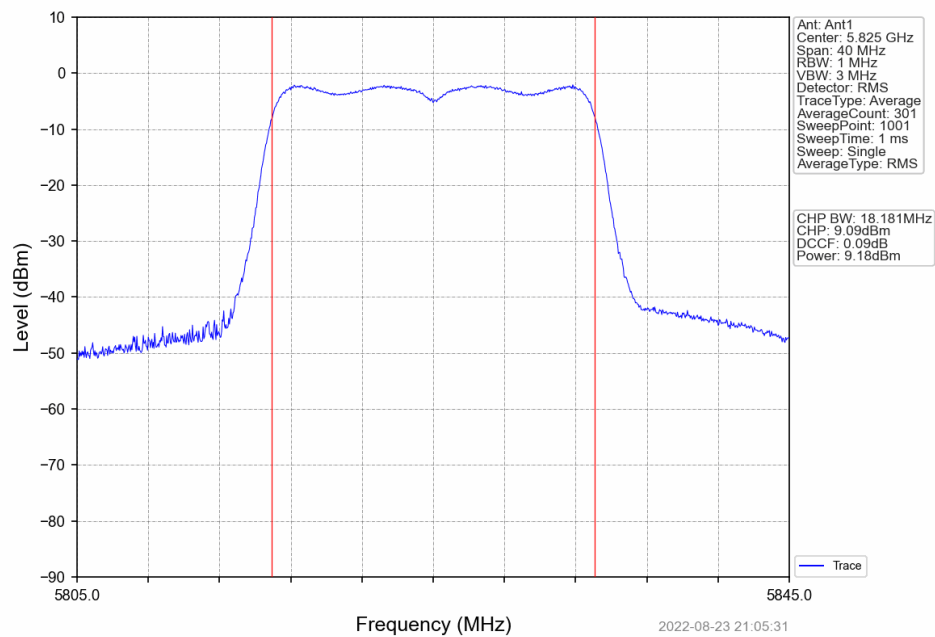
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



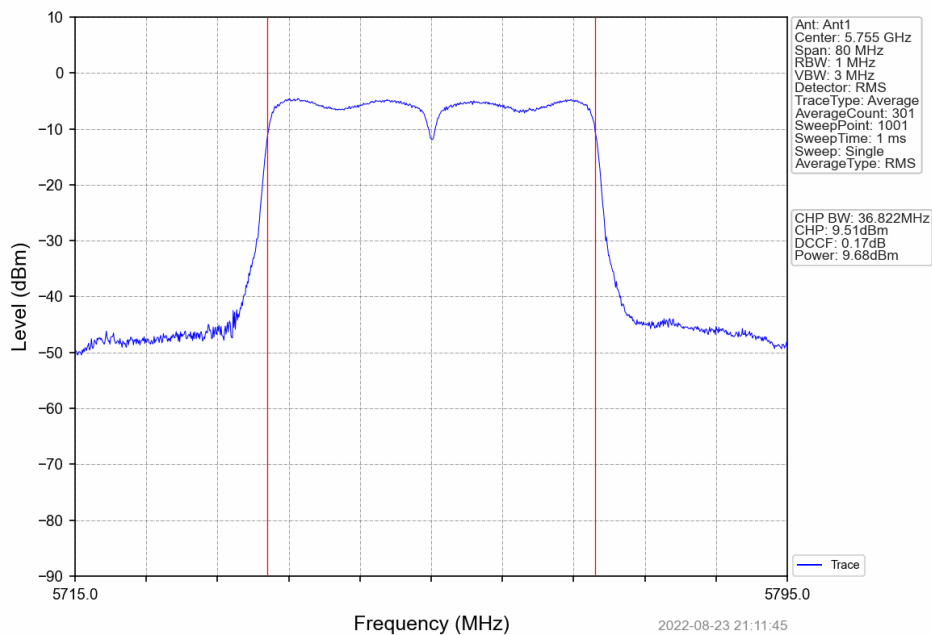
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



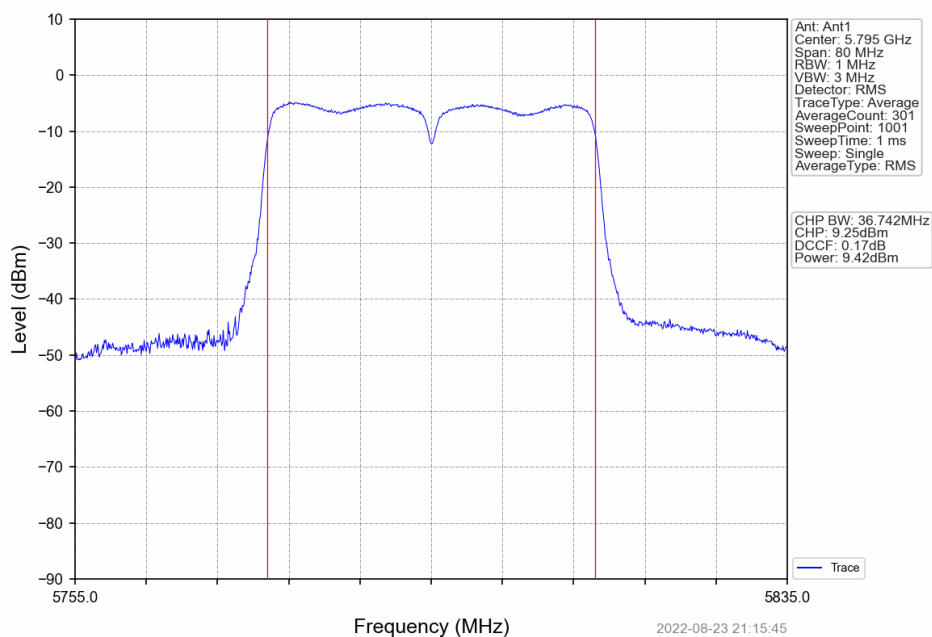
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



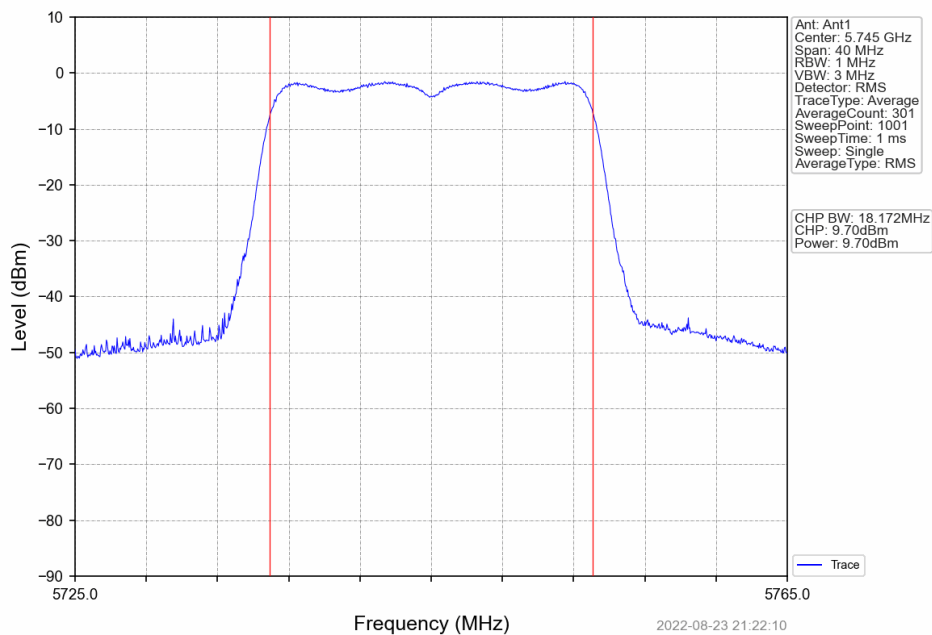
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



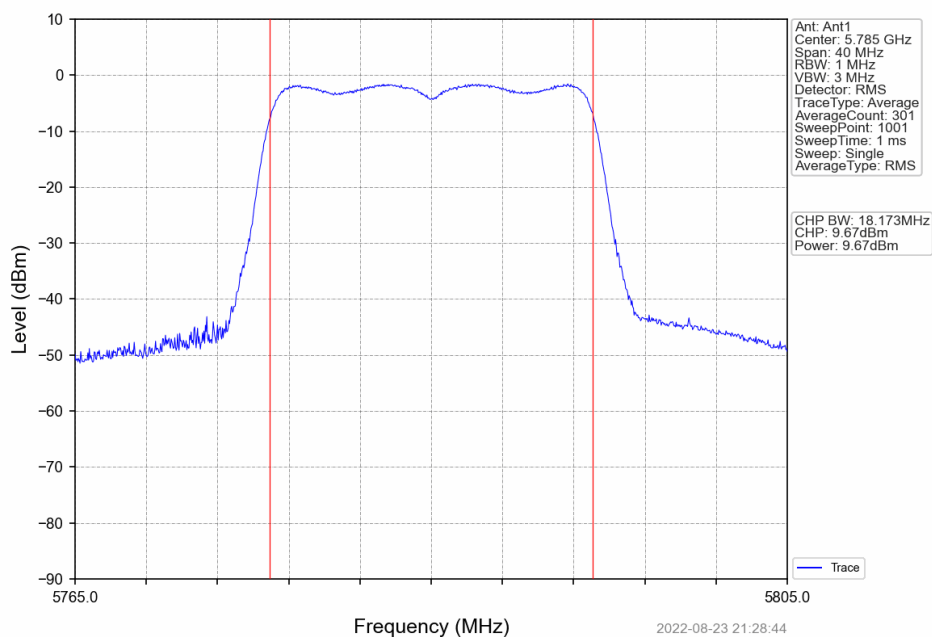
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



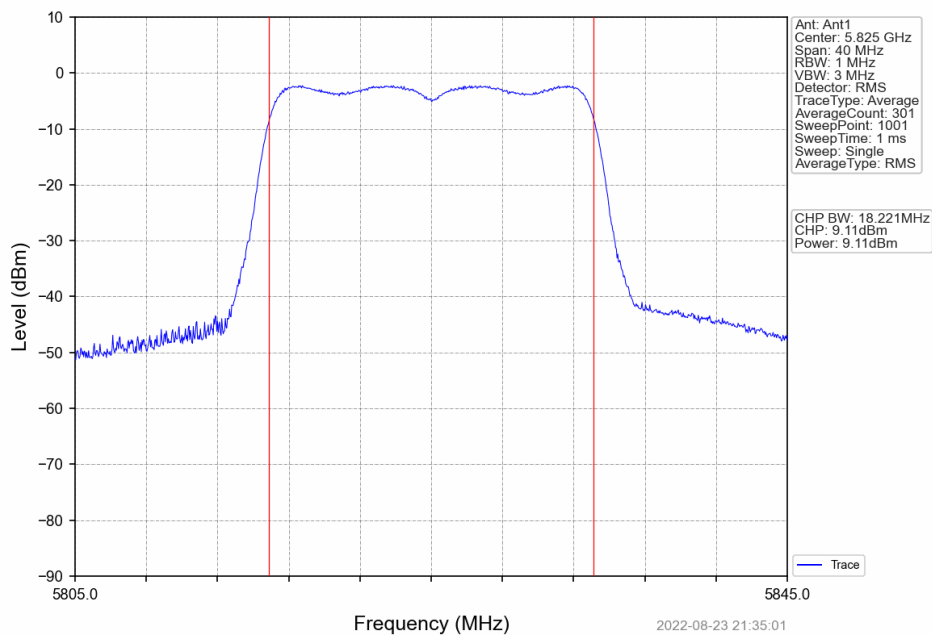
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



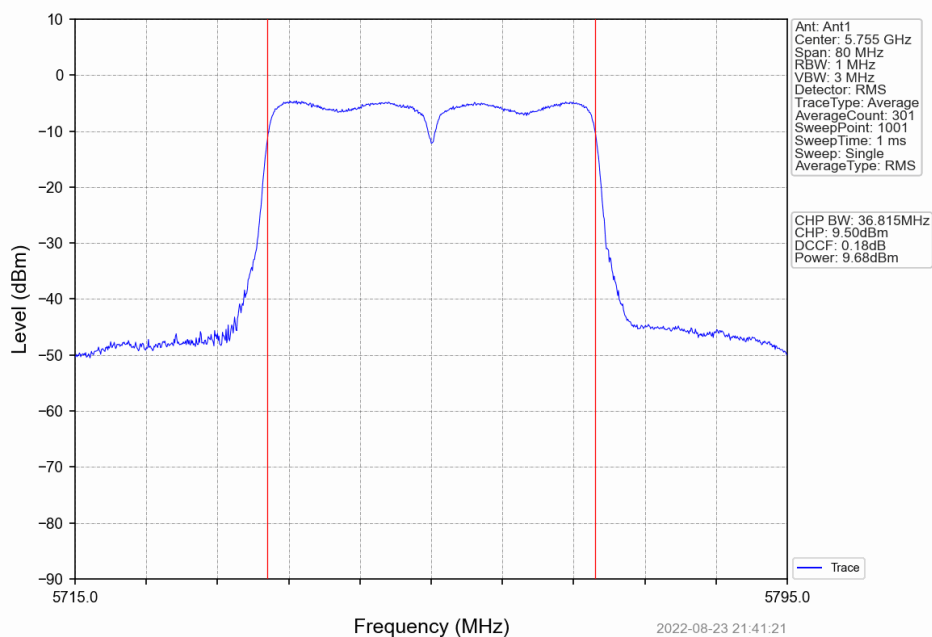
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



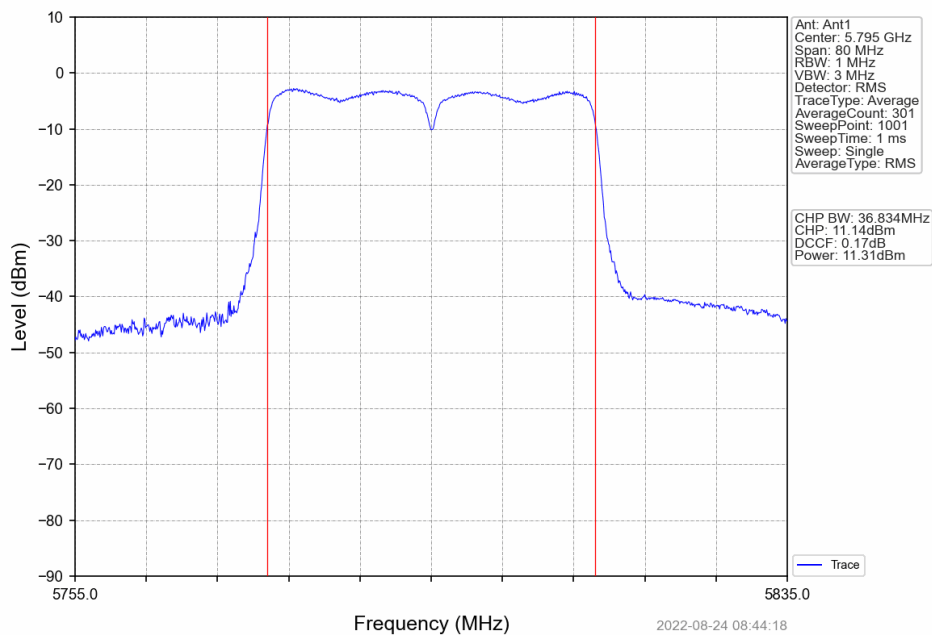
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



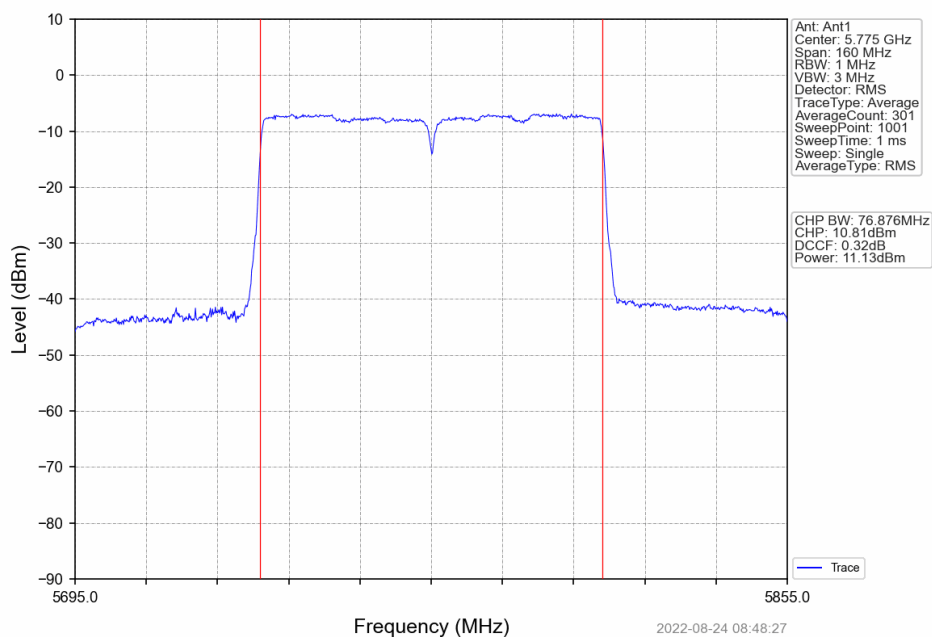
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



3. Maximum Power Spectral Density

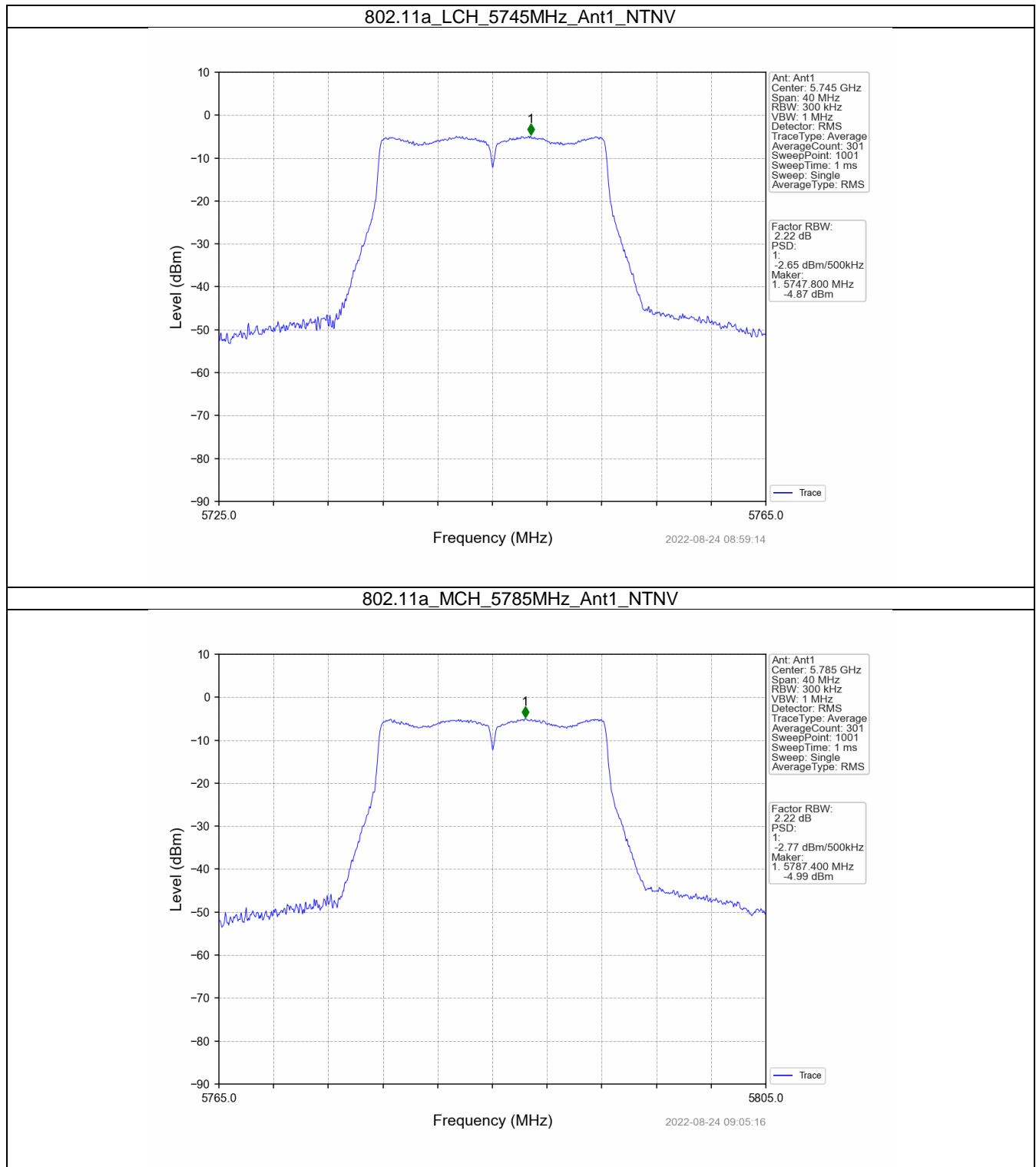
3.1 PSD-Band3

3.1.1 Test Result

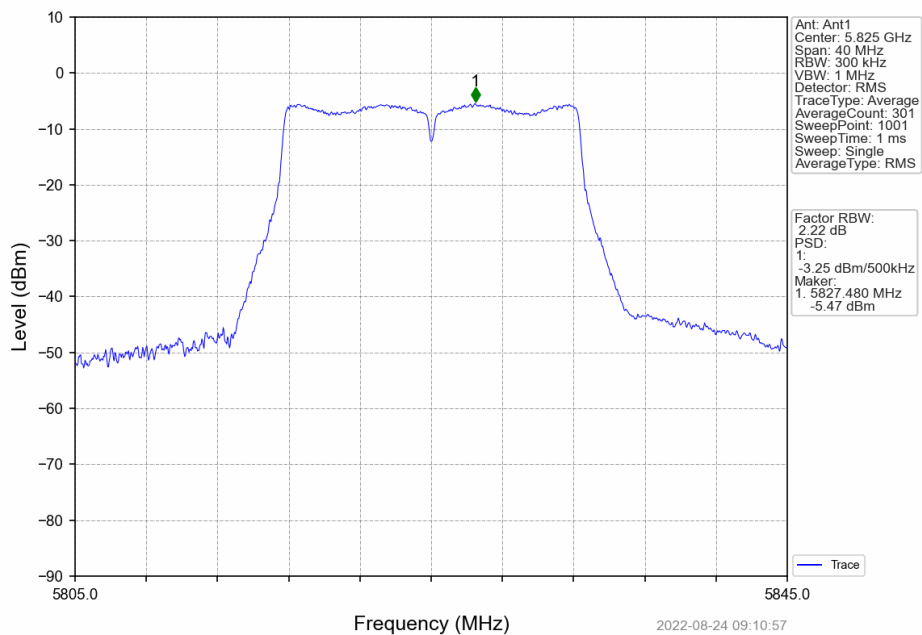
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			Report Power Density [dBm/3KHz]	Duty Cycle Factor(dB)	Report Power Density [dBm/3KHz]	Limit	
802.11a	SISO	5745	-2.65	0.00	-2.65	<=30	Pass
		5785	-2.77	0.00	-2.77	<=30	Pass
		5825	-3.25	0.00	-3.25	<=30	Pass
802.11n (HT20)	SISO	5745	-4.25	0.00	-4.25	<=30	Pass
		5785	-4.24	0.00	-4.24	<=30	Pass
		5825	-4.75	0.00	-4.75	<=30	Pass
802.11n (HT40)	SISO	5755	-7.04	0.00	-7.04	<=30	Pass
		5795	-7.29	0.00	-7.29	<=30	Pass
802.11ac (VHT20)	SISO	5745	-4.20	0.00	-4.20	<=30	Pass
		5785	-4.23	0.00	-4.23	<=30	Pass
		5825	-4.99	0.00	-4.99	<=30	Pass
802.11ac (VHT40)	SISO	5755	-7.39	0.00	-7.39	<=30	Pass
		5795	-5.54	0.00	-5.54	<=30	Pass
802.11ac (VHT80)	SISO	5775	-8.69	0.00	-8.69	<=30	Pass

Note1: Antenna Gain: Ant1: 4.25dBi;
Note2: The Duty Cycle Factor and RBW Factor is compensated in the graph.

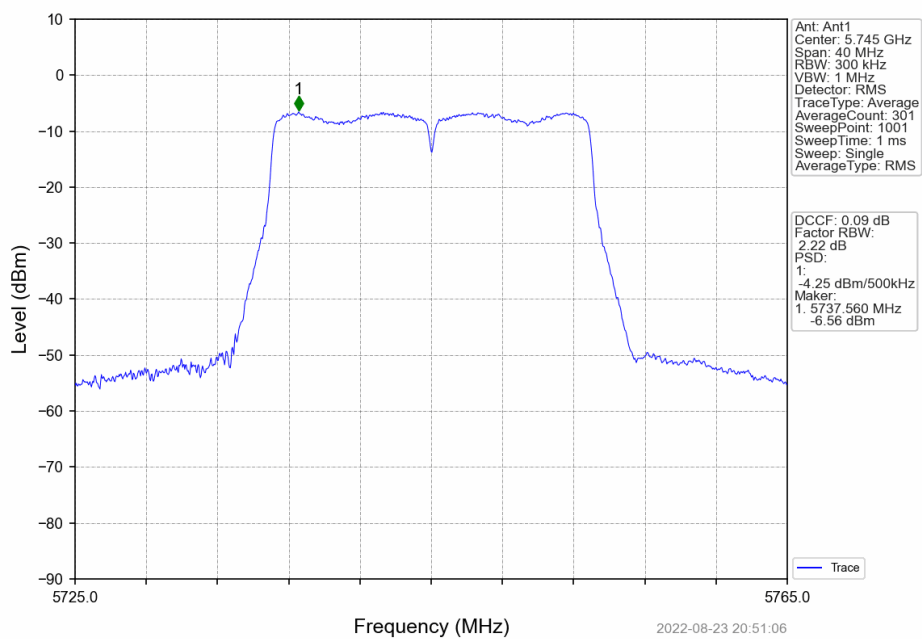
3.1.2 Test Graph



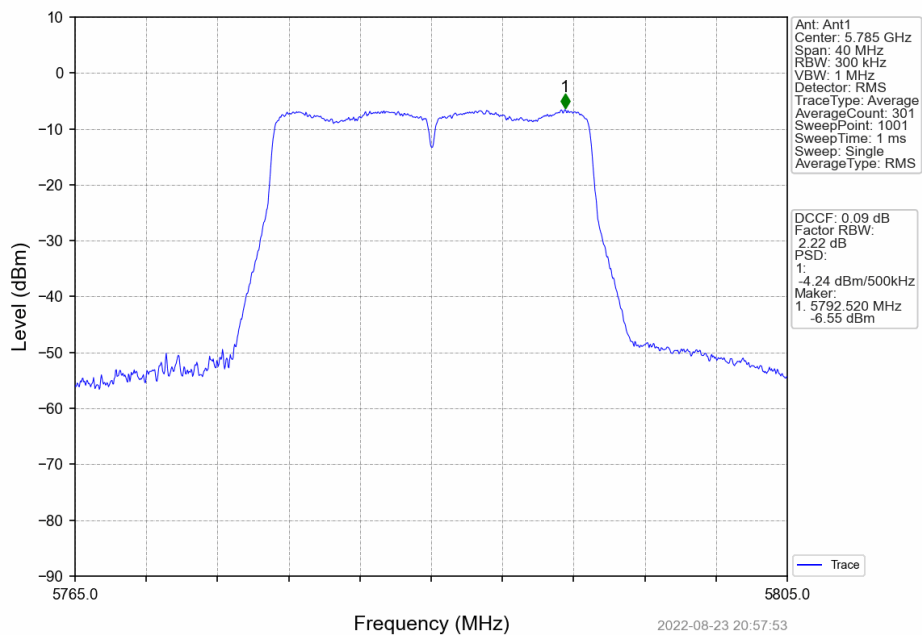
802.11a_HCH_5825MHz_Ant1_NTNV



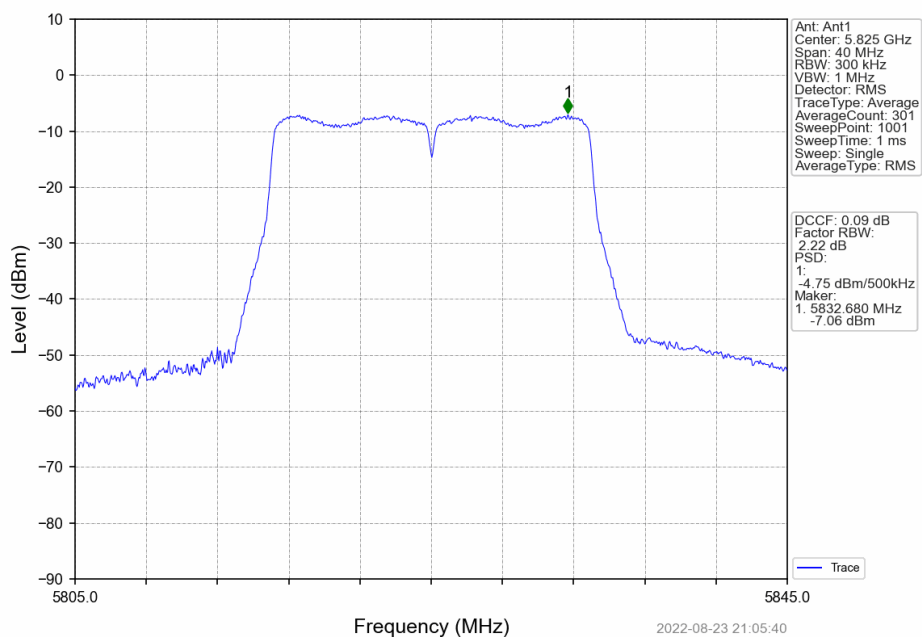
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



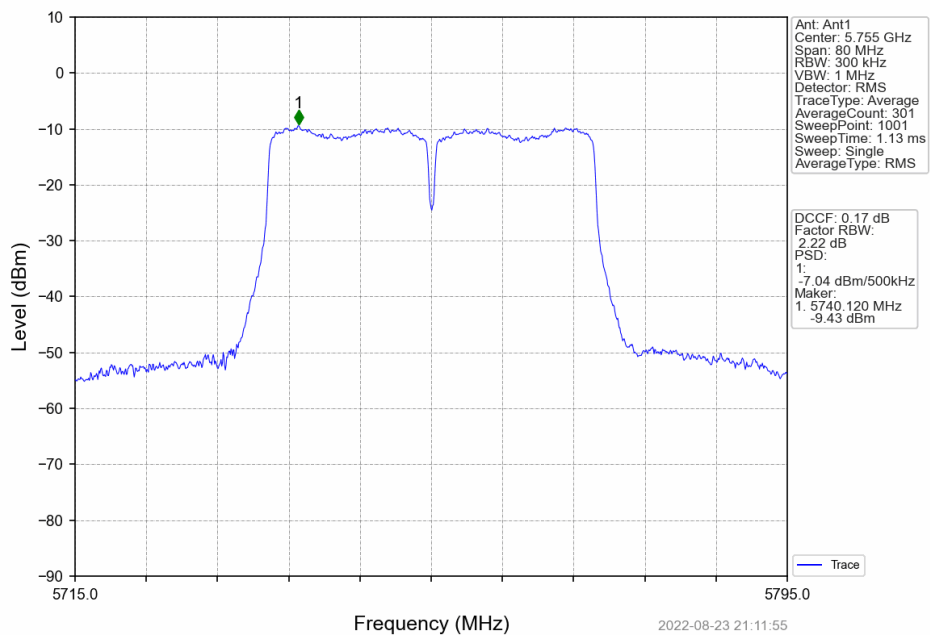
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



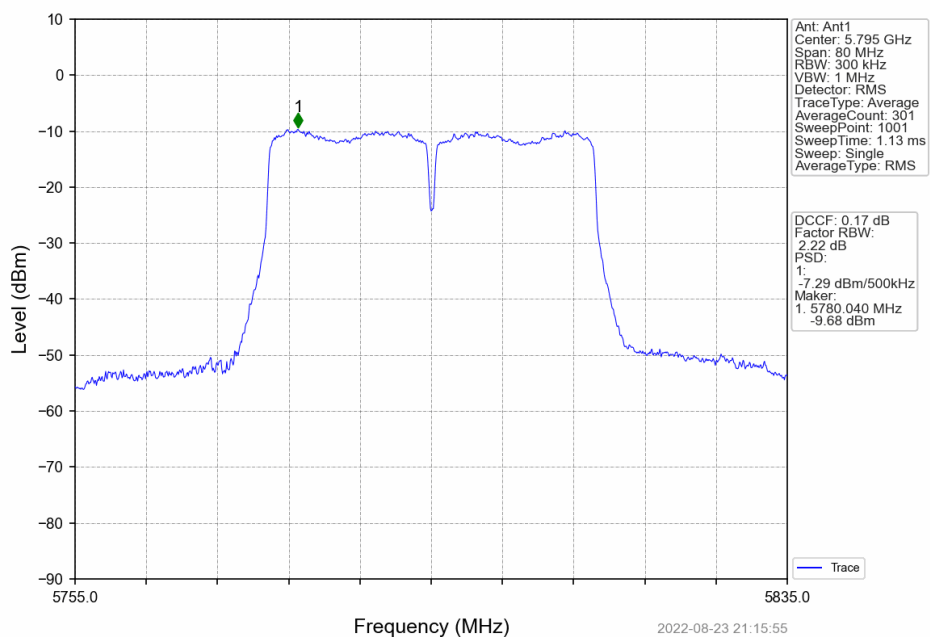
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



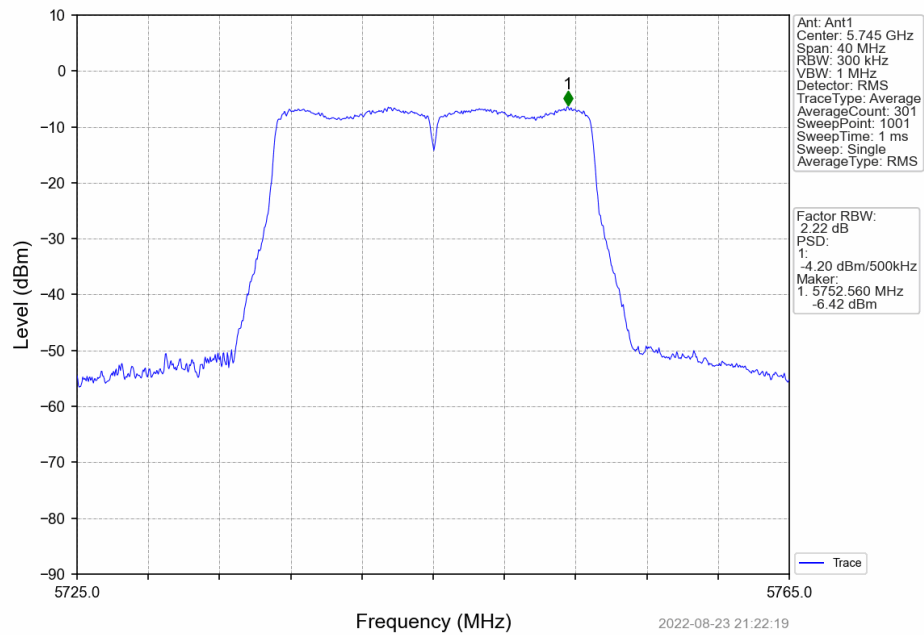
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



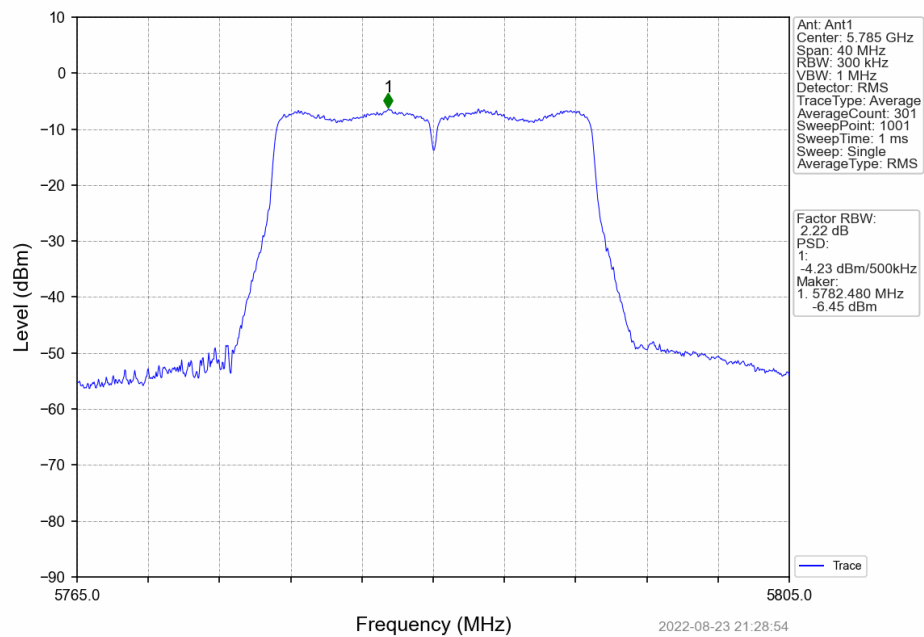
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



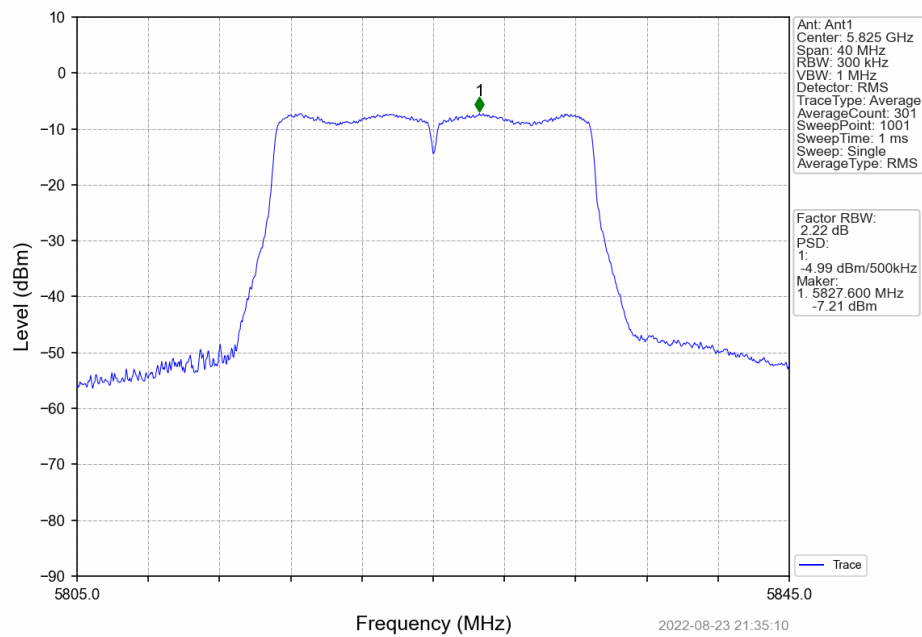
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



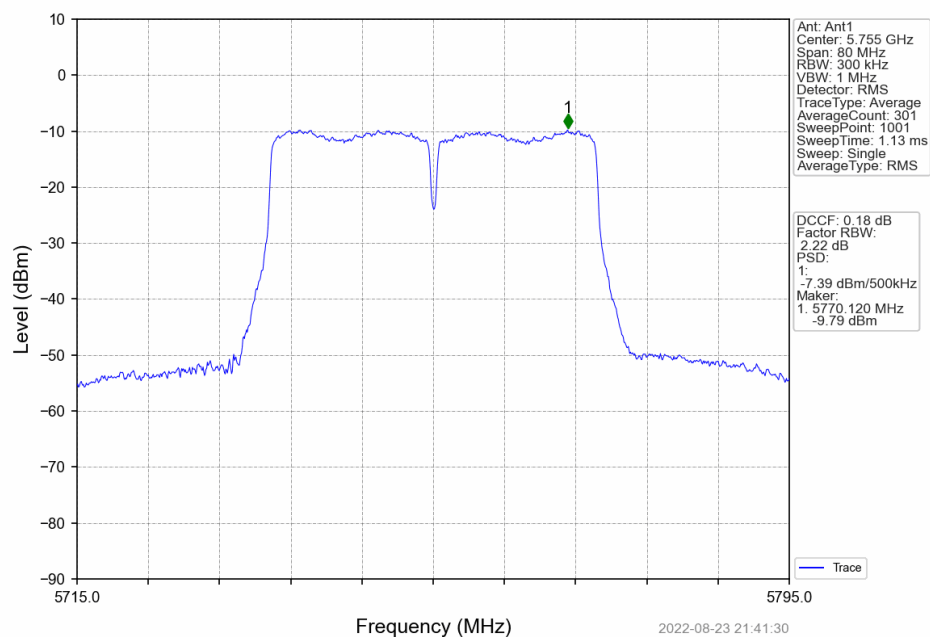
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



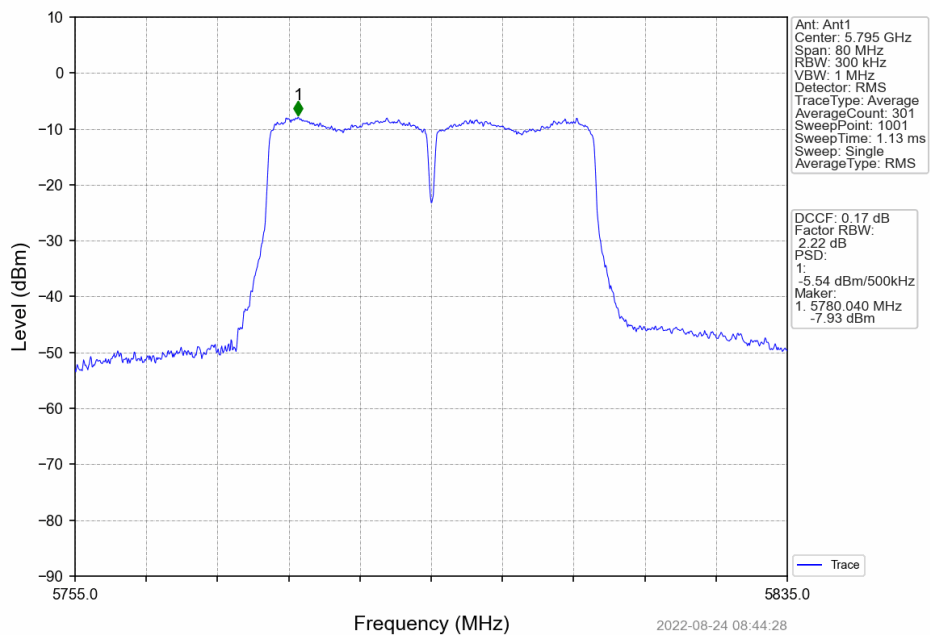
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



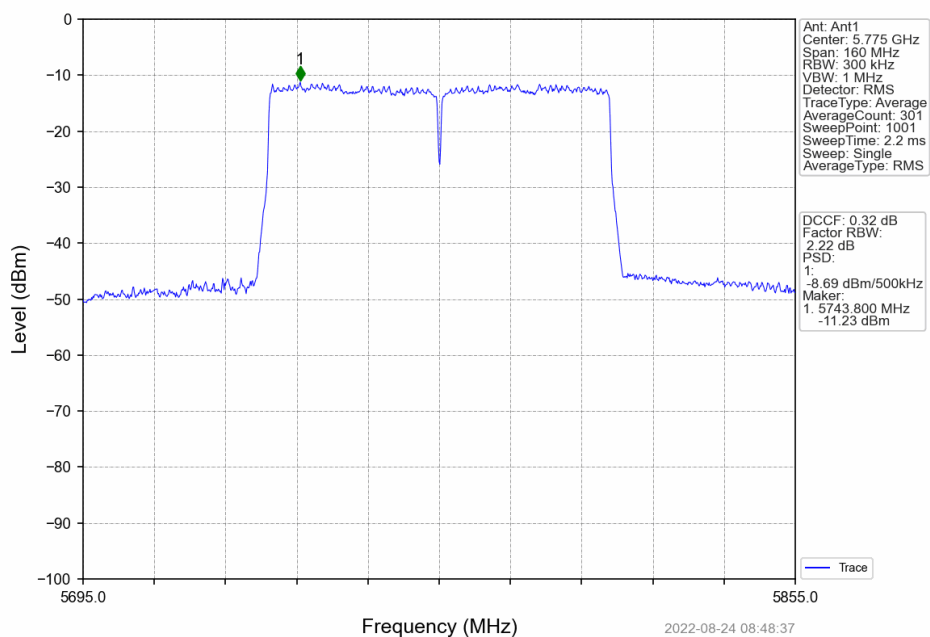
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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 (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5745	20	4.25	5745.000	5725 to 5850	Pass
				5	5744.980	5725 to 5850	Pass
				5.75	5745.020	5725 to 5850	Pass
			-30	5	5745.000	5725 to 5850	Pass
			-20	5	5745.020	5725 to 5850	Pass
			-10	5	5744.980	5725 to 5850	Pass
			0	5	5745.020	5725 to 5850	Pass
			10	5	5745.020	5725 to 5850	Pass
			30	5	5745.080	5725 to 5850	Pass
			40	5	5745.000	5725 to 5850	Pass
			85	5	5745.040	5725 to 5850	Pass
		5785	20	4.25	5785.000	5725 to 5850	Pass
				5	5785.000	5725 to 5850	Pass
				5.75	5785.040	5725 to 5850	Pass
			-30	5	5785.000	5725 to 5850	Pass
			-20	5	5785.040	5725 to 5850	Pass
			-10	5	5785.020	5725 to 5850	Pass
			0	5	5785.020	5725 to 5850	Pass
			10	5	5785.020	5725 to 5850	Pass
			30	5	5784.980	5725 to 5850	Pass
			40	5	5785.040	5725 to 5850	Pass
			85	5	5785.020	5725 to 5850	Pass
		5825	20	4.25	5824.980	5725 to 5850	Pass
				5	5825.020	5725 to 5850	Pass
				5.75	5825.020	5725 to 5850	Pass
			-30	5	5825.060	5725 to 5850	Pass
			-20	5	5824.980	5725 to 5850	Pass
			-10	5	5825.040	5725 to 5850	Pass
			0	5	5825.000	5725 to 5850	Pass
			10	5	5824.980	5725 to 5850	Pass
			30	5	5825.060	5725 to 5850	Pass
			40	5	5825.040	5725 to 5850	Pass
			85	5	5825.020	5725 to 5850	Pass
802.11n (HT20)	SISO	5745	20	4.25	5745.040	5725 to 5850	Pass
				5	5745.040	5725 to 5850	Pass
				5.75	5745.040	5725 to 5850	Pass
			-30	5	5745.020	5725 to 5850	Pass
			-20	5	5745.040	5725 to 5850	Pass
			-10	5	5745.080	5725 to 5850	Pass
			0	5	5745.040	5725 to 5850	Pass
			10	5	5745.020	5725 to 5850	Pass
			30	5	5745.040	5725 to 5850	Pass
			40	5	5745.060	5725 to 5850	Pass
			85	5	5745.040	5725 to 5850	Pass
		5785	20	4.25	5785.060	5725 to 5850	Pass
				5	5785.020	5725 to 5850	Pass
				5.75	5785.040	5725 to 5850	Pass
			-30	5	5785.080	5725 to 5850	Pass
			-20	5	5785.060	5725 to 5850	Pass

			-10	5	5785.020	5725 to 5850	Pass
			0	5	5785.060	5725 to 5850	Pass
			10	5	5785.060	5725 to 5850	Pass
			30	5	5785.060	5725 to 5850	Pass
			40	5	5785.040	5725 to 5850	Pass
			85	5	5785.060	5725 to 5850	Pass
		5825	20	4.25	5825.040	5725 to 5850	Pass
				5	5825.020	5725 to 5850	Pass
				5.75	5825.000	5725 to 5850	Pass
			-30	5	5825.060	5725 to 5850	Pass
			-20	5	5825.040	5725 to 5850	Pass
			-10	5	5825.040	5725 to 5850	Pass
			0	5	5825.020	5725 to 5850	Pass
			10	5	5825.060	5725 to 5850	Pass
			30	5	5825.020	5725 to 5850	Pass
			40	5	5825.040	5725 to 5850	Pass
			85	5	5825.040	5725 to 5850	Pass
802.11n (HT40)	SISO	5755	20	4.25	5755.080	5725 to 5850	Pass
				5	5755.120	5725 to 5850	Pass
				5.75	5755.120	5725 to 5850	Pass
			-30	5	5755.080	5725 to 5850	Pass
			-20	5	5755.080	5725 to 5850	Pass
			-10	5	5755.120	5725 to 5850	Pass
			0	5	5755.120	5725 to 5850	Pass
			10	5	5755.120	5725 to 5850	Pass
			30	5	5755.040	5725 to 5850	Pass
			40	5	5755.080	5725 to 5850	Pass
			85	5	5755.120	5725 to 5850	Pass
		5795	20	4.25	5795.120	5725 to 5850	Pass
				5	5795.080	5725 to 5850	Pass
				5.75	5795.080	5725 to 5850	Pass
			-30	5	5795.080	5725 to 5850	Pass
			-20	5	5794.960	5725 to 5850	Pass
			-10	5	5795.080	5725 to 5850	Pass
			0	5	5795.120	5725 to 5850	Pass
			10	5	5795.080	5725 to 5850	Pass
802.11ac (VHT20)	SISO	5745	20	4.25	5745.040	5725 to 5850	Pass
				5	5745.040	5725 to 5850	Pass
				5.75	5745.040	5725 to 5850	Pass
			-30	5	5745.020	5725 to 5850	Pass
			-20	5	5745.060	5725 to 5850	Pass
			-10	5	5745.040	5725 to 5850	Pass
			0	5	5745.060	5725 to 5850	Pass
			10	5	5745.040	5725 to 5850	Pass
			30	5	5745.020	5725 to 5850	Pass
			40	5	5745.040	5725 to 5850	Pass
			85	5	5745.060	5725 to 5850	Pass
		5785	20	4.25	5785.040	5725 to 5850	Pass
				5	5785.040	5725 to 5850	Pass
				5.75	5785.060	5725 to 5850	Pass
			-30	5	5785.060	5725 to 5850	Pass
			-20	5	5785.040	5725 to 5850	Pass
			-10	5	5785.020	5725 to 5850	Pass
			0	5	5785.080	5725 to 5850	Pass
			10	5	5785.080	5725 to 5850	Pass
			30	5	5785.040	5725 to 5850	Pass

		5825	40	5	5785.060	5725 to 5850	Pass
			85	5	5785.060	5725 to 5850	Pass
			20	4.25	5825.060	5725 to 5850	Pass
				5	5825.040	5725 to 5850	Pass
				5.75	5825.060	5725 to 5850	Pass
			-30	5	5825.040	5725 to 5850	Pass
			-20	5	5825.060	5725 to 5850	Pass
			-10	5	5825.060	5725 to 5850	Pass
			0	5	5825.020	5725 to 5850	Pass
			10	5	5825.040	5725 to 5850	Pass
			30	5	5825.040	5725 to 5850	Pass
			40	5	5825.060	5725 to 5850	Pass
			85	5	5825.040	5725 to 5850	Pass
802.11ac (VHT40)	SISO	5755	20	4.25	5755.040	5725 to 5850	Pass
				5	5755.040	5725 to 5850	Pass
				5.75	5755.040	5725 to 5850	Pass
			-30	5	5755.040	5725 to 5850	Pass
			-20	5	5755.120	5725 to 5850	Pass
			-10	5	5755.080	5725 to 5850	Pass
			0	5	5755.040	5725 to 5850	Pass
			10	5	5755.080	5725 to 5850	Pass
			30	5	5755.120	5725 to 5850	Pass
			40	5	5755.080	5725 to 5850	Pass
			85	5	5755.040	5725 to 5850	Pass
		5795	20	4.25	5795.160	5725 to 5850	Pass
				5	5795.000	5725 to 5850	Pass
				5.75	5795.040	5725 to 5850	Pass
			-30	5	5795.040	5725 to 5850	Pass
			-20	5	5795.000	5725 to 5850	Pass
			-10	5	5795.040	5725 to 5850	Pass
			0	5	5795.000	5725 to 5850	Pass
			10	5	5795.040	5725 to 5850	Pass
			30	5	5795.040	5725 to 5850	Pass
			40	5	5795.040	5725 to 5850	Pass
			85	5	5795.040	5725 to 5850	Pass
802.11ac (VHT80)	SISO	5775	20	4.25	5775.075	5725 to 5850	Pass
				5	5775.000	5725 to 5850	Pass
				5.75	5775.075	5725 to 5850	Pass
			-30	5	5775.075	5725 to 5850	Pass
			-20	5	5775.000	5725 to 5850	Pass
			-10	5	5775.075	5725 to 5850	Pass
			0	5	5775.075	5725 to 5850	Pass
			10	5	5775.150	5725 to 5850	Pass
			30	5	5775.075	5725 to 5850	Pass
			40	5	5775.075	5725 to 5850	Pass
			85	5	5775.150	5725 to 5850	Pass