

1. Bandwidth

1.1 Test Result

1.1.1 OBW

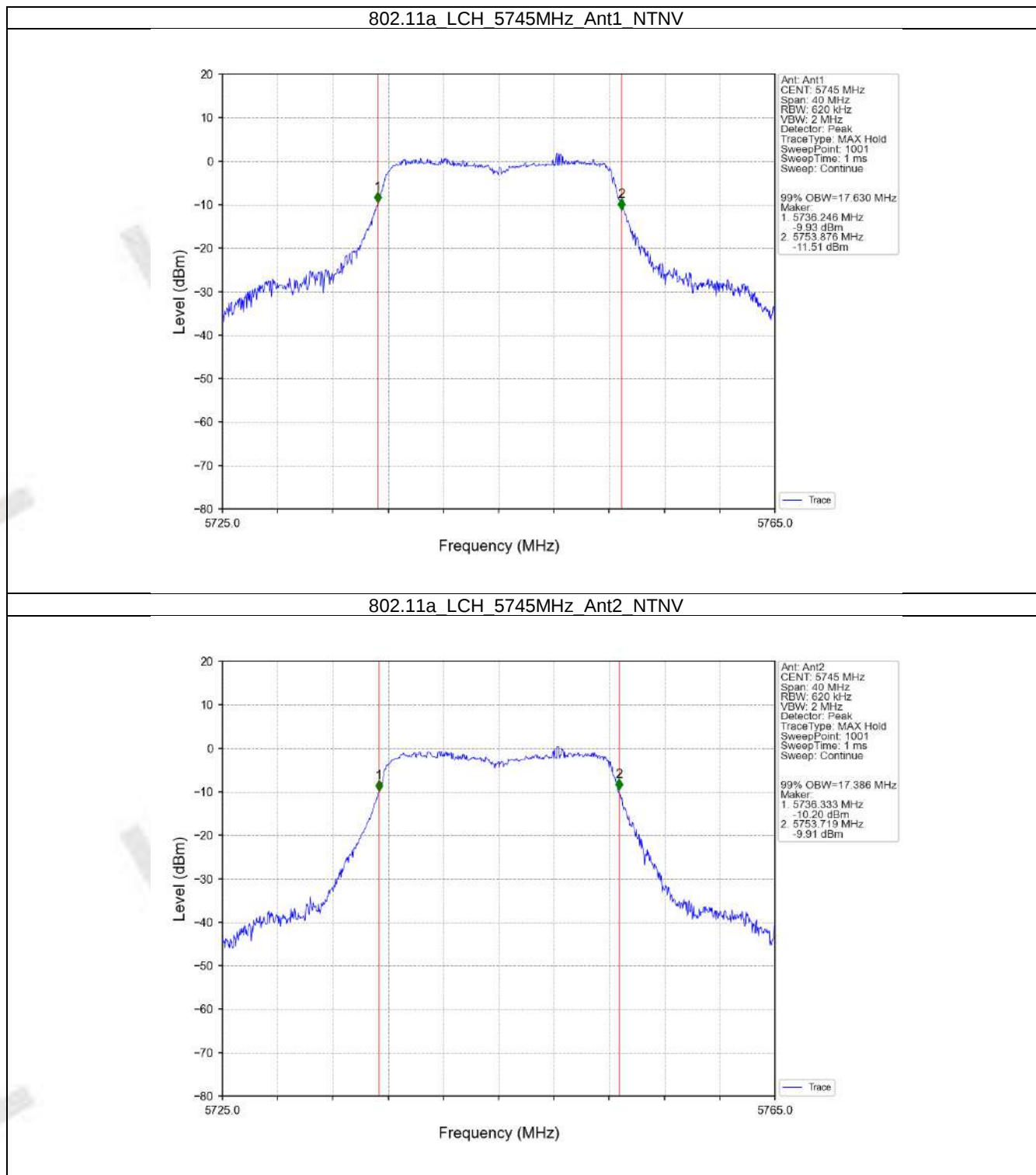
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	17.630	/	Pass
			2	17.386	/	Pass
		5785	1	17.452	/	Pass
			2	17.417	/	Pass
		5825	1	17.487	/	Pass
			2	17.397	/	Pass
802.11n (HT20)	SISO	5745	1	18.524	/	Pass
			2	18.336	/	Pass
		5785	1	18.373	/	Pass
			2	18.299	/	Pass
		5825	1	18.405	/	Pass
			2	18.326	/	Pass
802.11n (HT40)	SISO	5755	1	37.291	/	Pass
			2	37.350	/	Pass
		5795	1	37.191	/	Pass
			2	37.280	/	Pass
802.11ac (VHT20)	SISO	5745	1	18.506	/	Pass
			2	18.362	/	Pass
		5785	1	18.584	/	Pass
			2	18.360	/	Pass
		5825	1	18.631	/	Pass
			2	18.373	/	Pass
802.11ac (VHT40)	SISO	5755	1	37.294	/	Pass
			2	37.167	/	Pass
		5795	1	37.161	/	Pass
			2	37.029	/	Pass
802.11ac (VHT80)	SISO	5775	1	76.808	/	Pass
			2	77.007	/	Pass

1.1.2 6dB BW

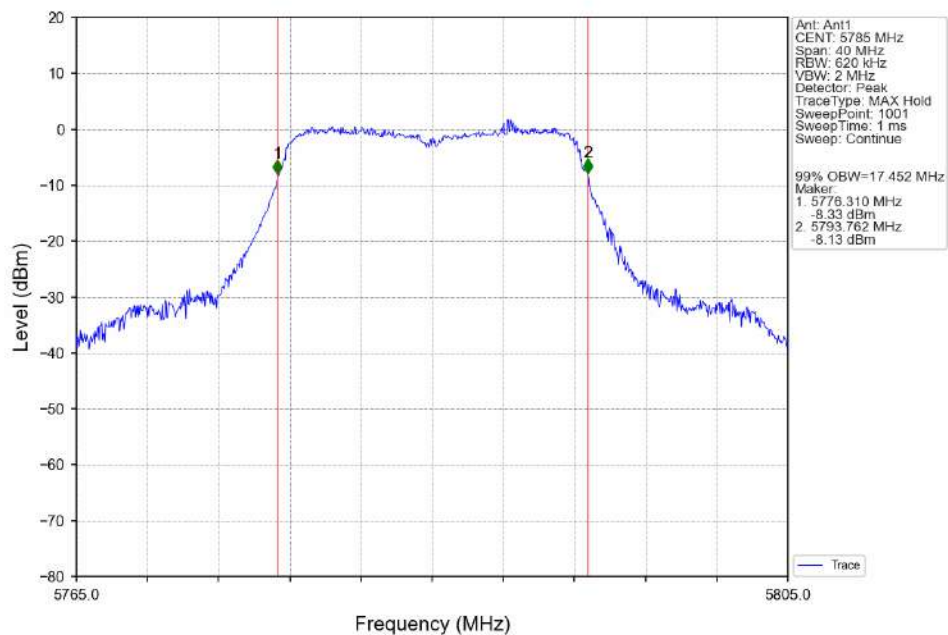
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.328	>=0.5	Pass
			2	16.356	>=0.5	Pass
		5785	1	16.329	>=0.5	Pass
			2	16.366	>=0.5	Pass
		5825	1	16.341	>=0.5	Pass
			2	16.344	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	16.931	>=0.5	Pass
			2	17.064	>=0.5	Pass
		5785	1	17.001	>=0.5	Pass
			2	16.928	>=0.5	Pass
		5825	1	17.035	>=0.5	Pass
			2	17.044	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	35.670	>=0.5	Pass
			2	35.305	>=0.5	Pass
		5795	1	35.509	>=0.5	Pass
			2	35.511	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.117	>=0.5	Pass
			2	17.335	>=0.5	Pass
		5785	1	17.309	>=0.5	Pass
			2	17.137	>=0.5	Pass
		5825	1	17.322	>=0.5	Pass
			2	17.269	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.331	>=0.5	Pass
			2	35.641	>=0.5	Pass
		5795	1	35.515	>=0.5	Pass
			2	35.529	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.196	>=0.5	Pass
			2	75.200	>=0.5	Pass

1.2 Test Graph

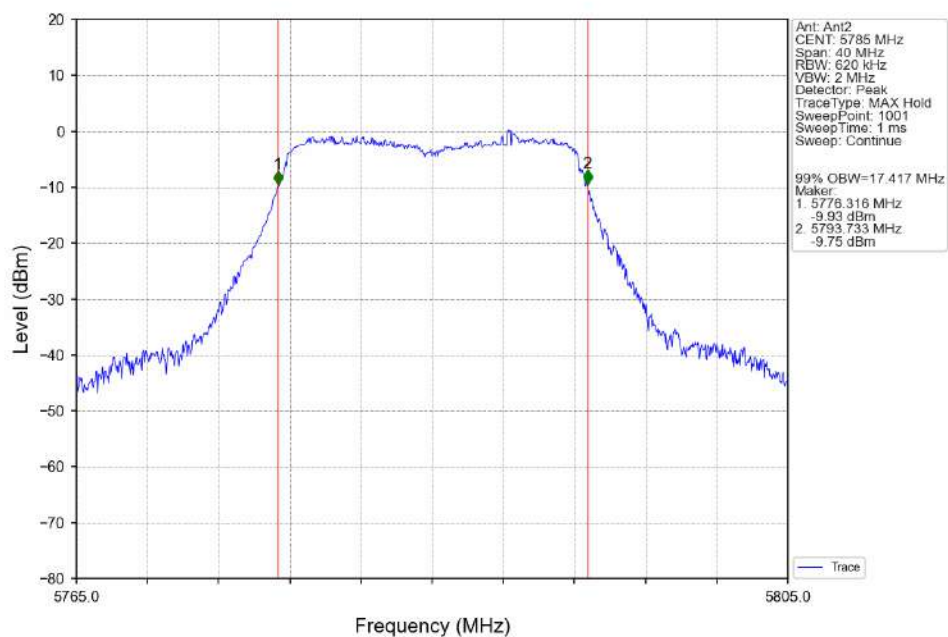
1.2.1 OBW



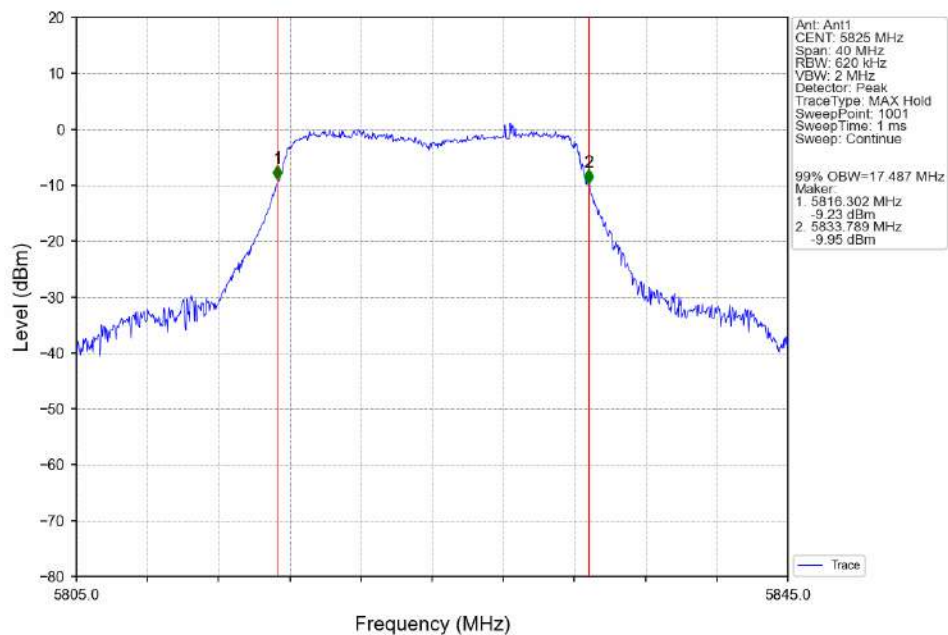
802.11a MCH 5785MHz Ant1 NTN



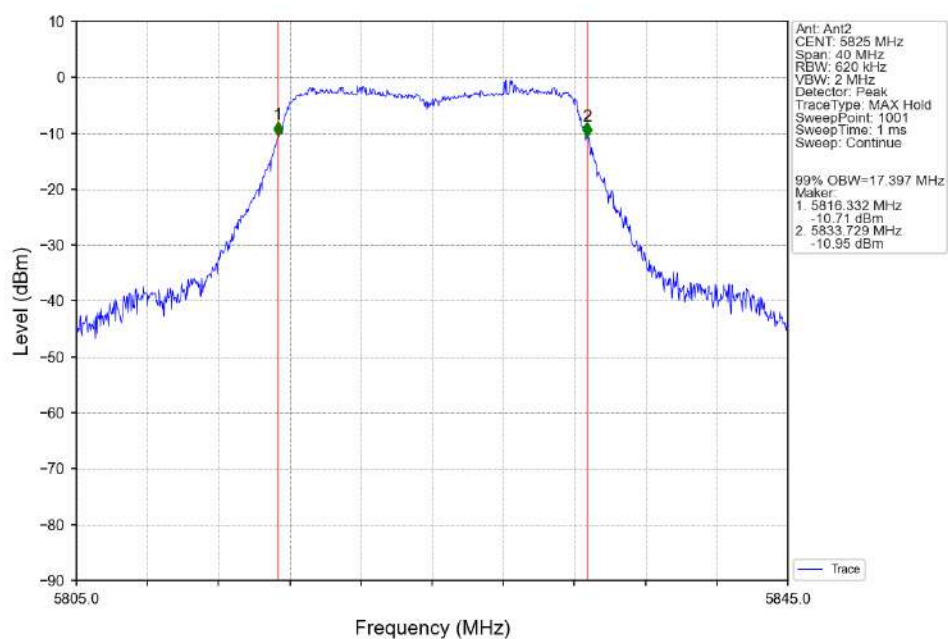
802.11a MCH 5785MHz Ant2 NTN



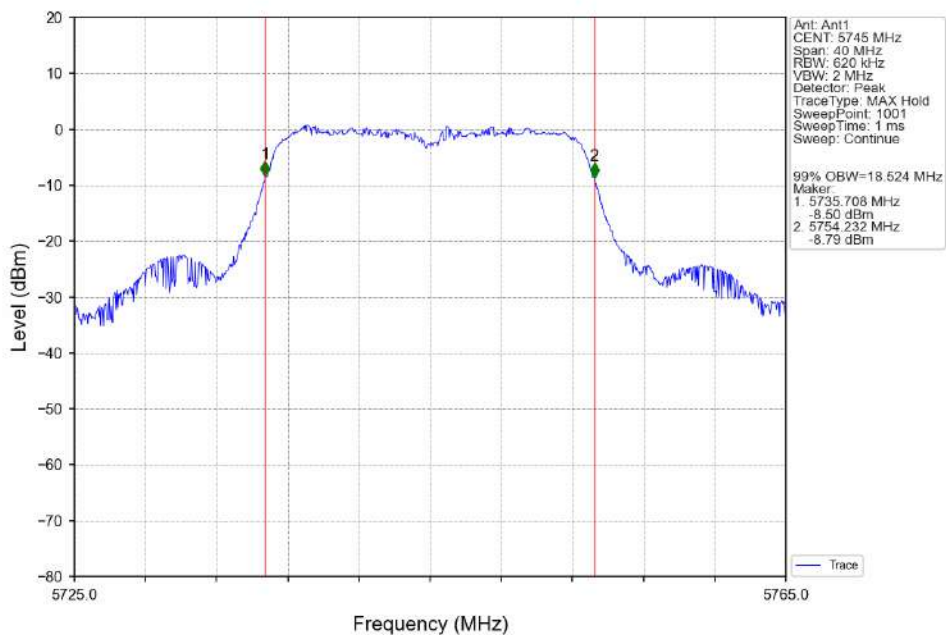
802.11a HCH 5825MHz Ant1 NTNV



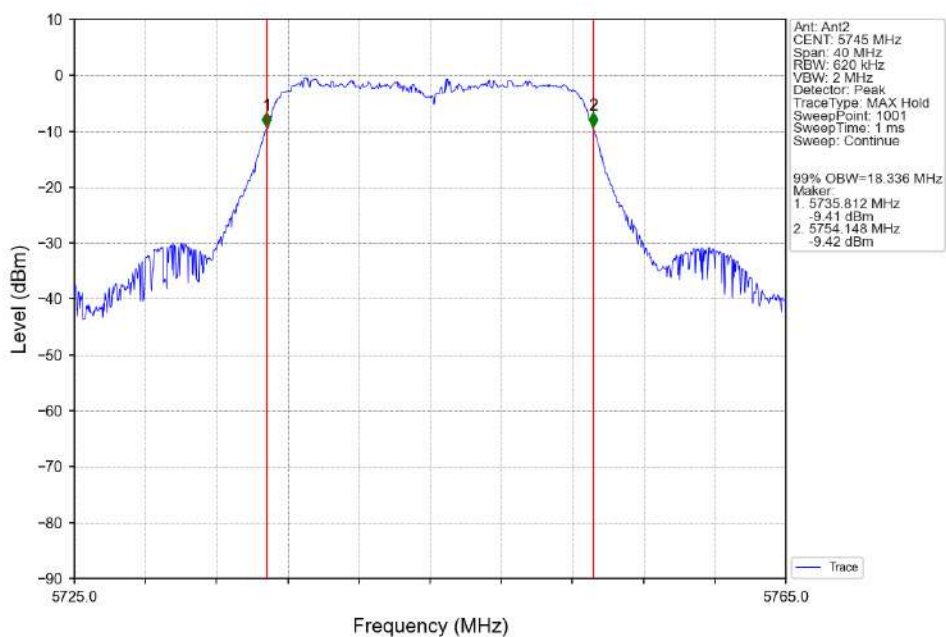
802.11a HCH 5825MHz Ant2 NTNV



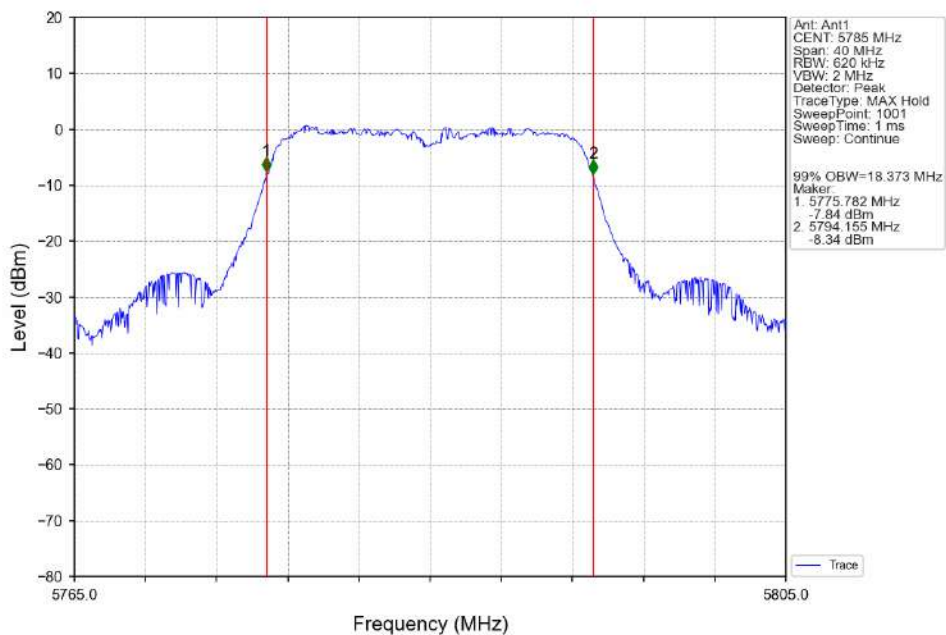
802.11n(HT20) LCH 5745MHz Ant1 NTN



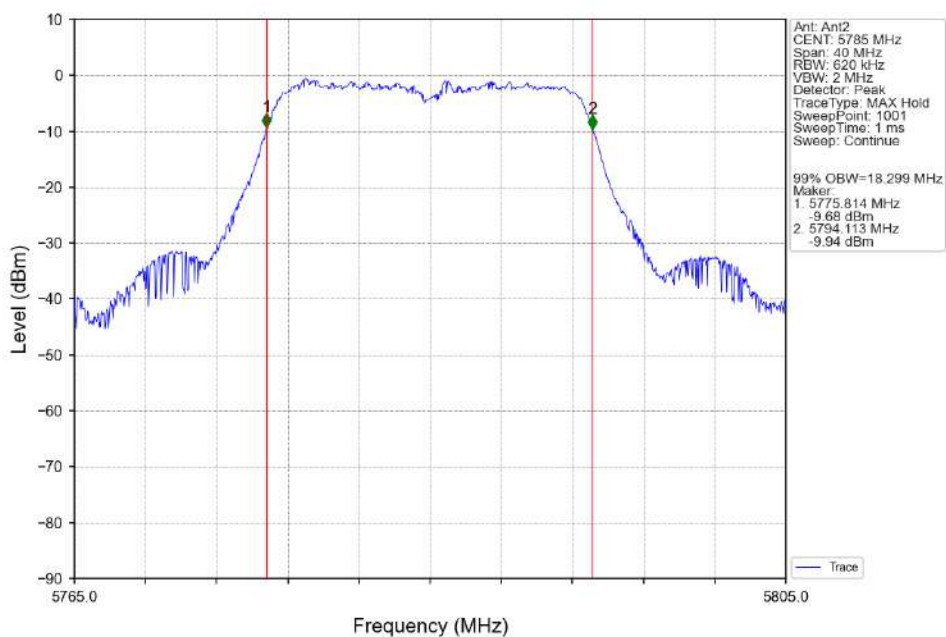
802.11n(HT20) LCH 5745MHz Ant2 NTN



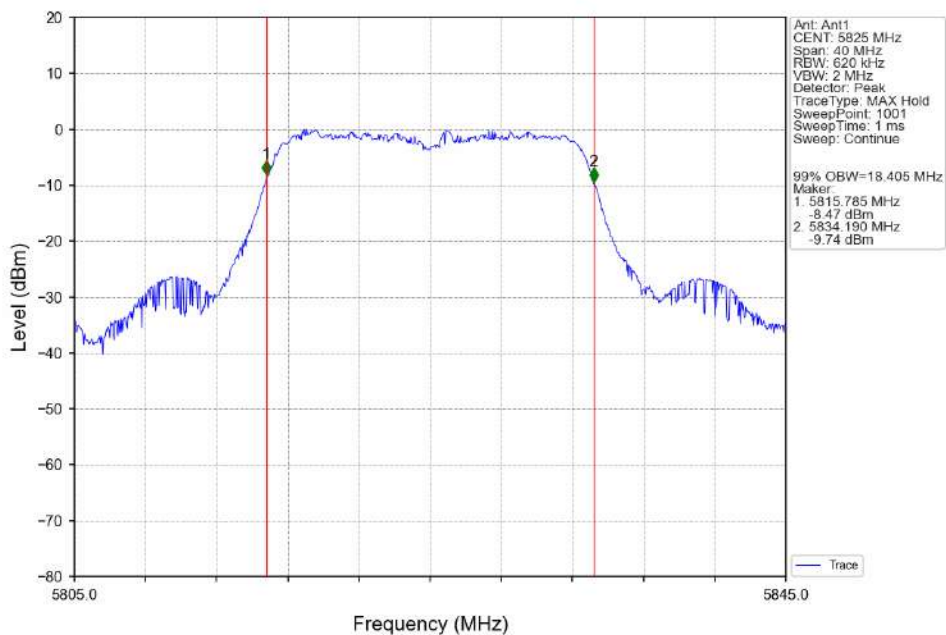
802.11n(HT20) MCH 5785MHz Ant1 NTN



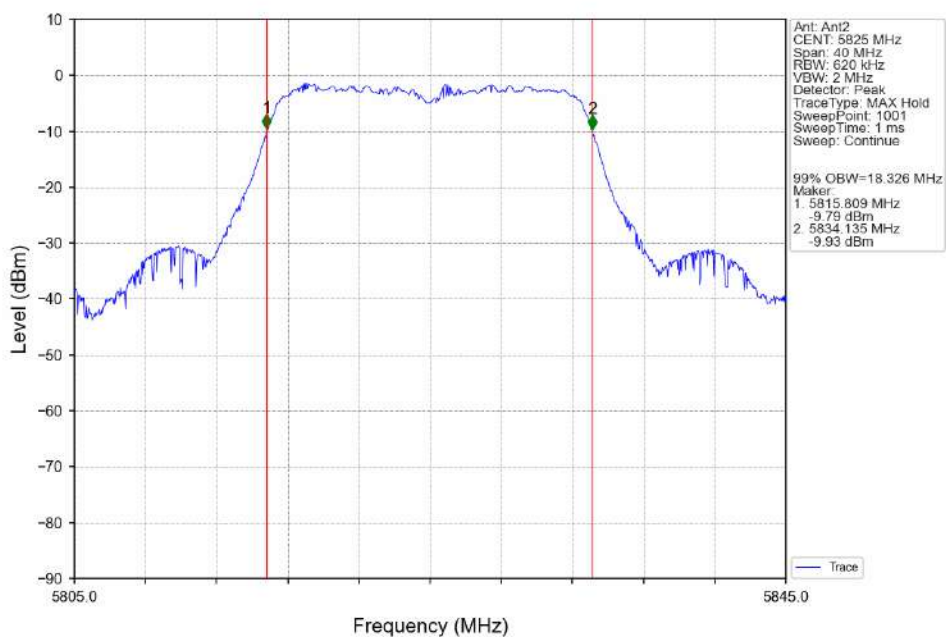
802.11n(HT20) MCH 5785MHz Ant2 NTN



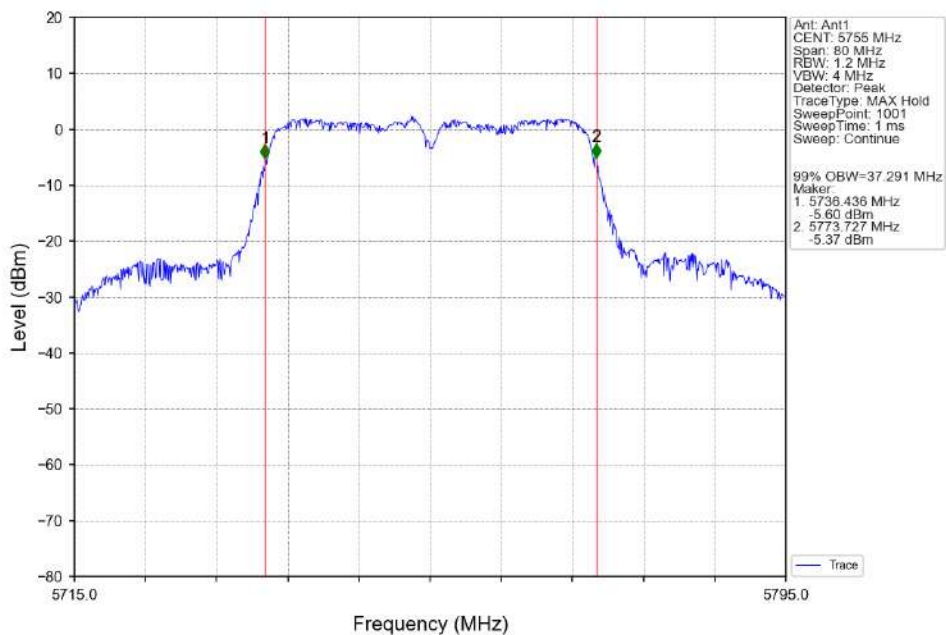
802.11n(HT20) HCH 5825MHz Ant1 NTN



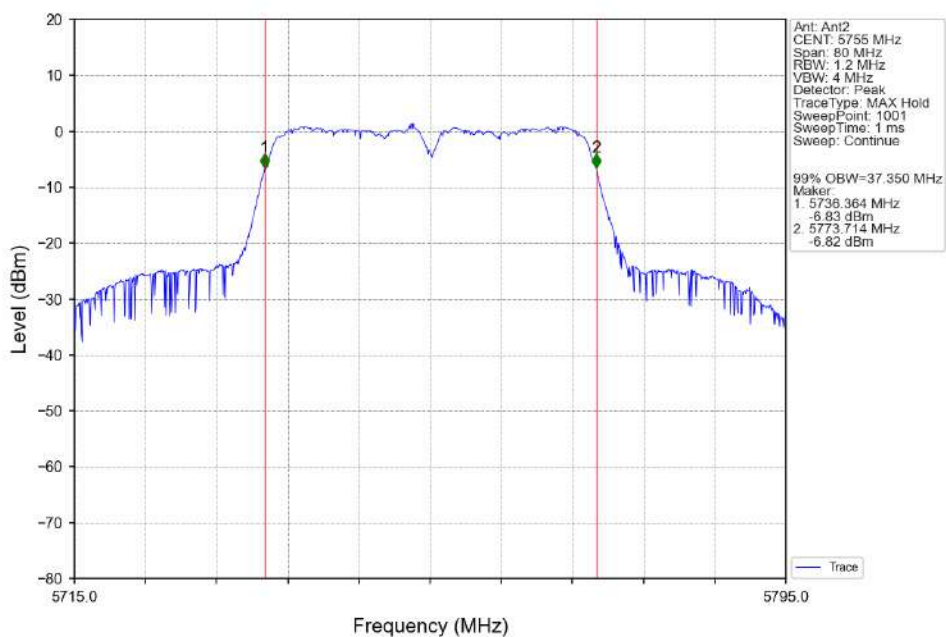
802.11n(HT20) HCH 5825MHz Ant2 NTN



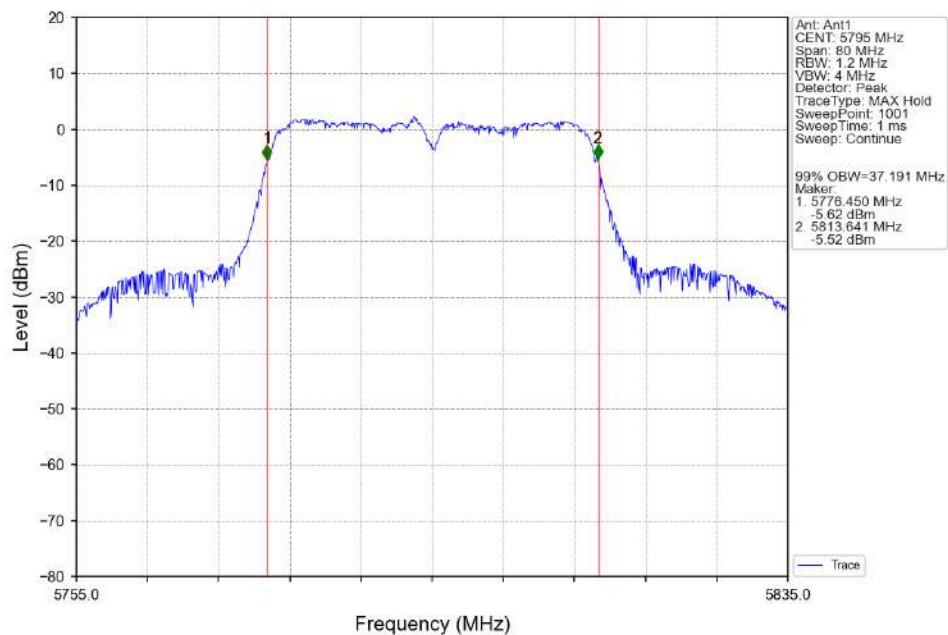
802.11n(HT40) LCH 5755MHz Ant1 NTN



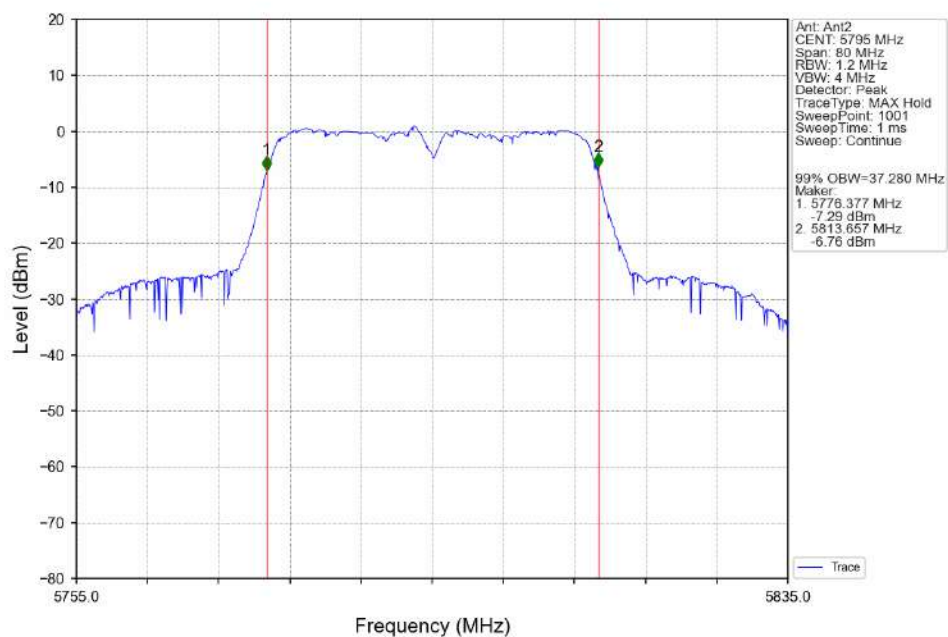
802.11n(HT40) LCH 5755MHz Ant2 NTN



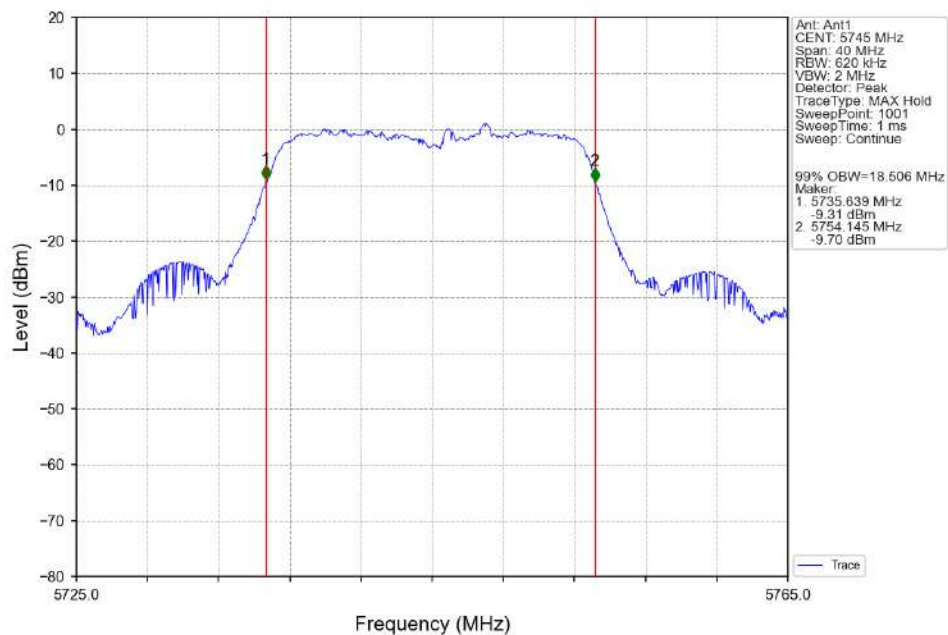
802.11n(HT40) HCH 5795MHz Ant1 NTN



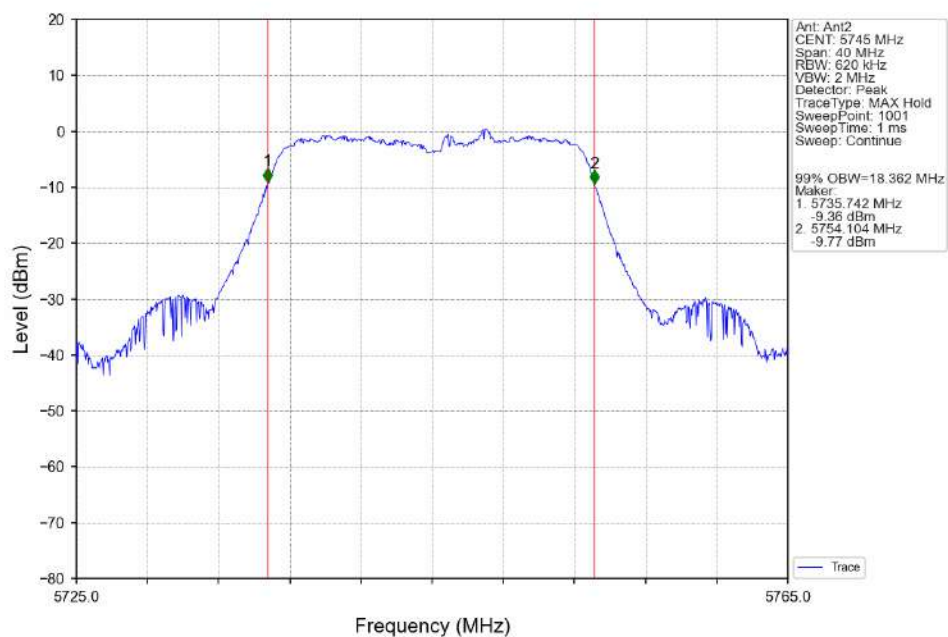
802.11n(HT40) HCH 5795MHz Ant2 NTN



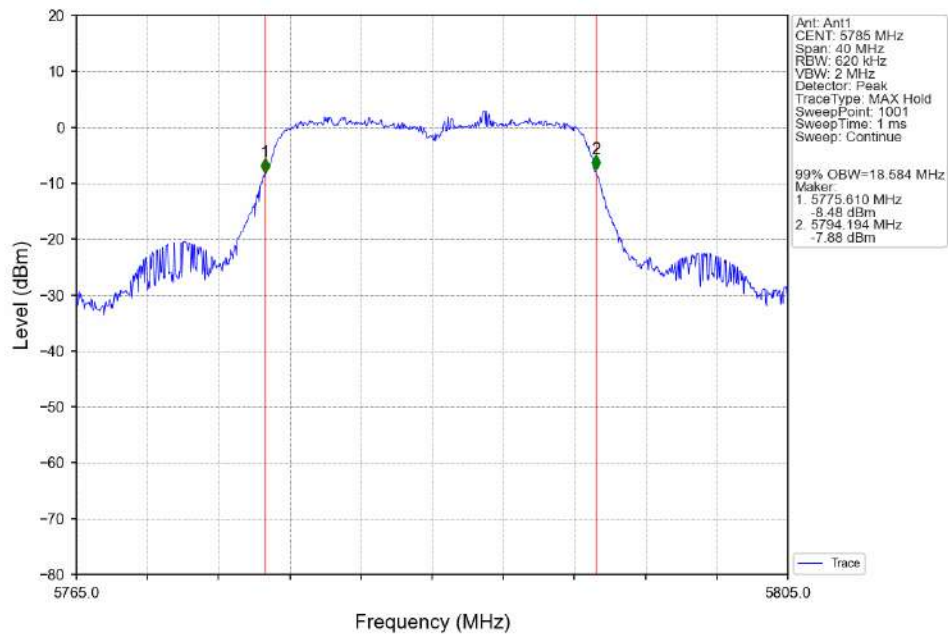
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



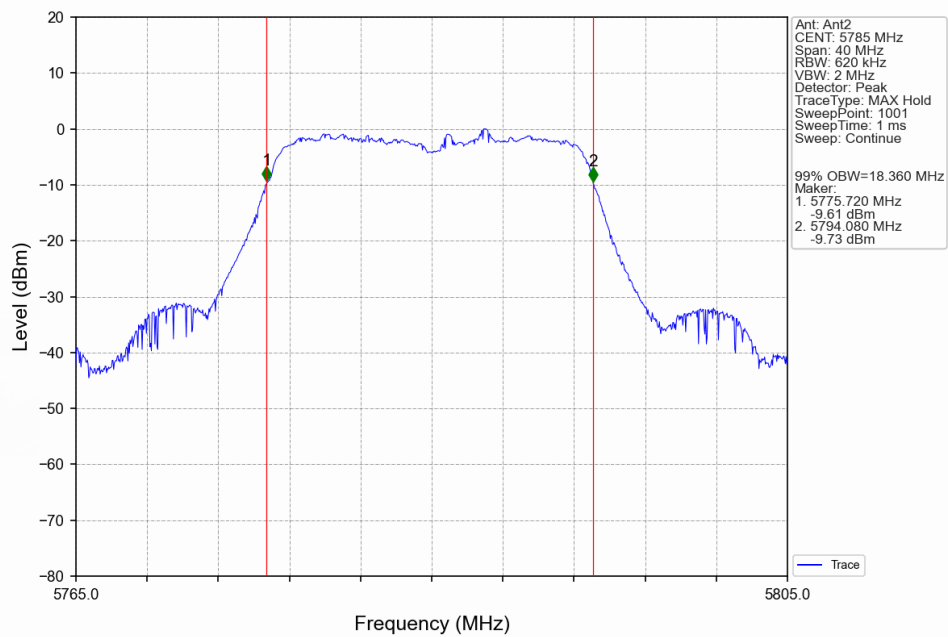
802.11ac(VHT20) LCH 5745MHz Ant2 NTN



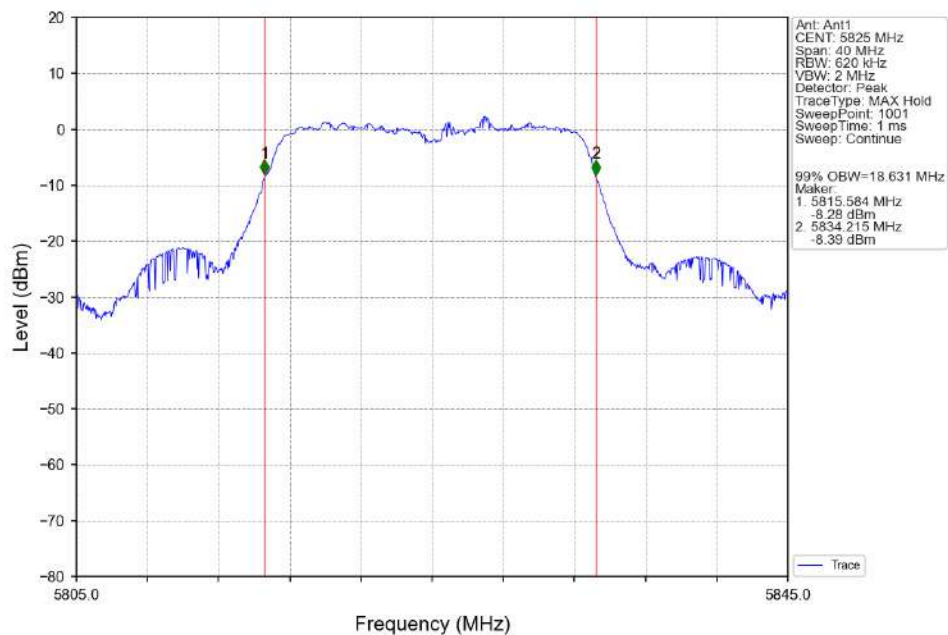
802.11ac(VHT20) MCH 5785MHz Ant1 NTV



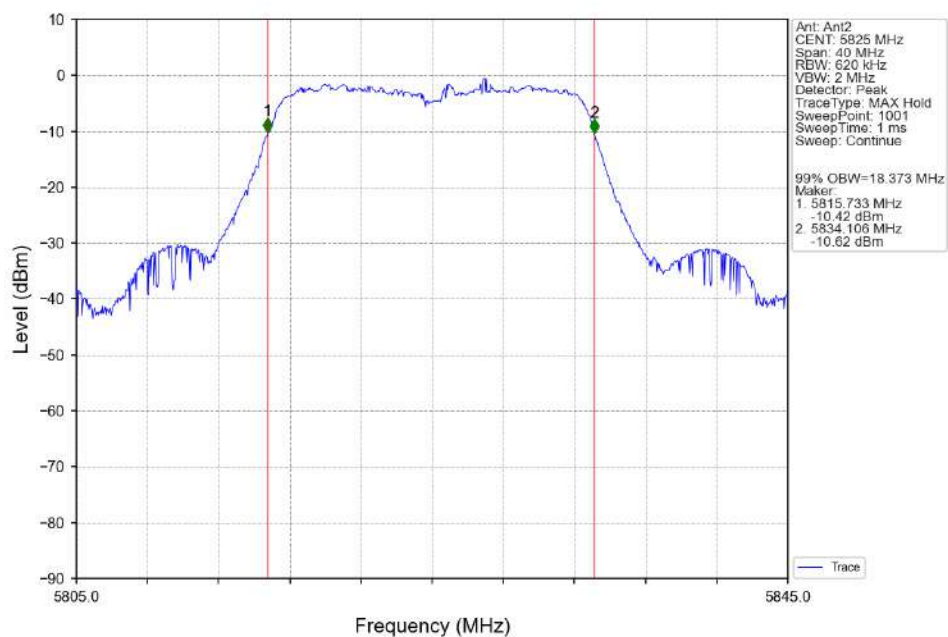
802.11ac(VHT20) MCH 5785MHz Ant2 NTV



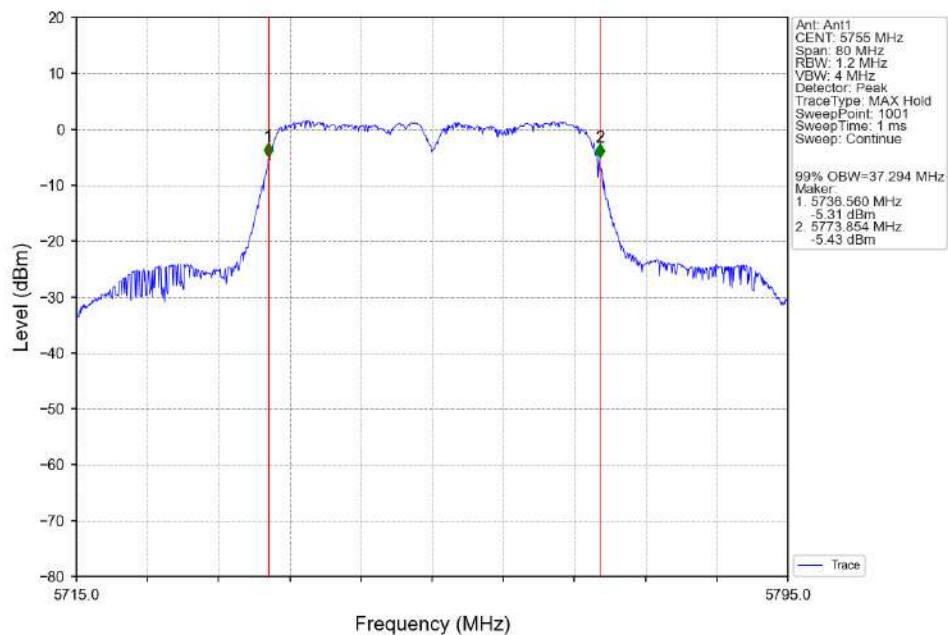
802.11ac(VHT20) HCH 5825MHz Ant1 NTNV



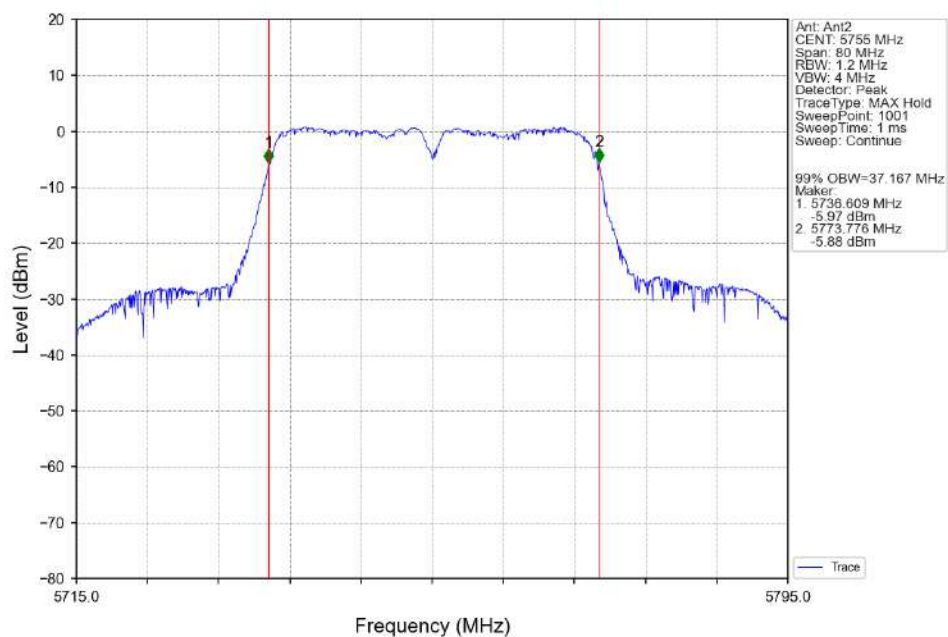
802.11ac(VHT20) HCH 5825MHz Ant2 NTNV



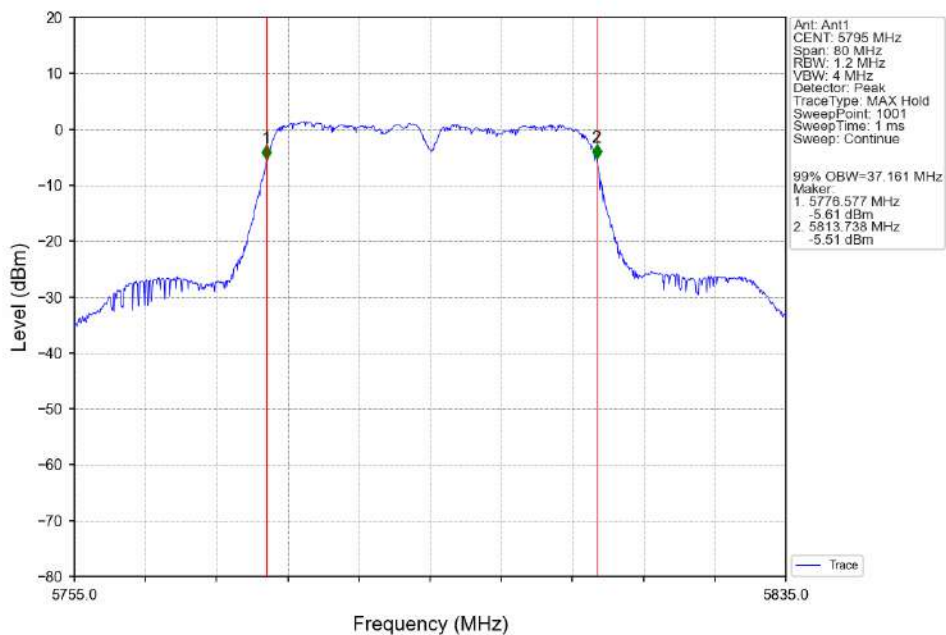
802.11ac(VHT40) LCH 5755MHz Ant1 NTNV



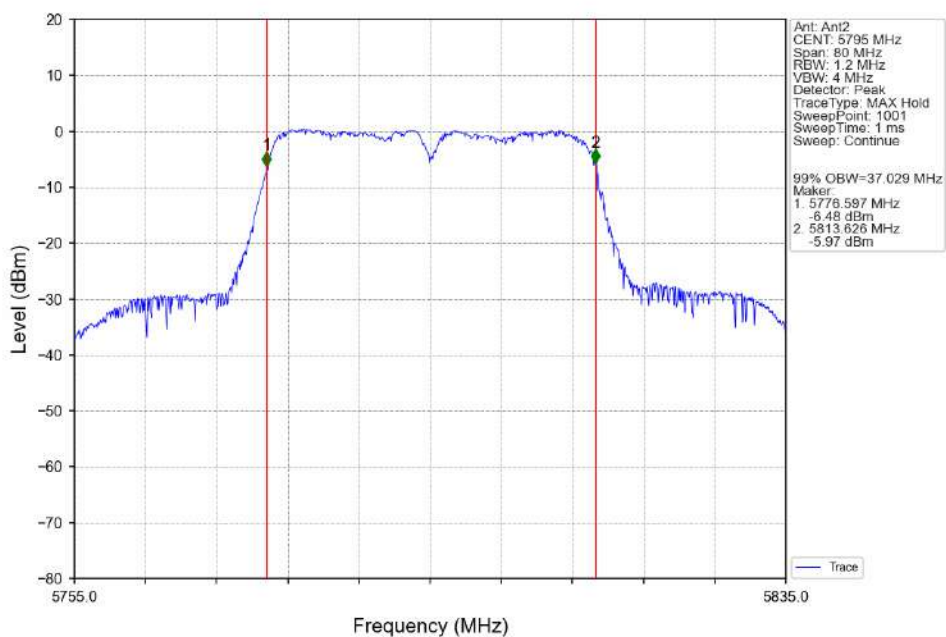
802.11ac(VHT40) LCH 5755MHz Ant2 NTNV



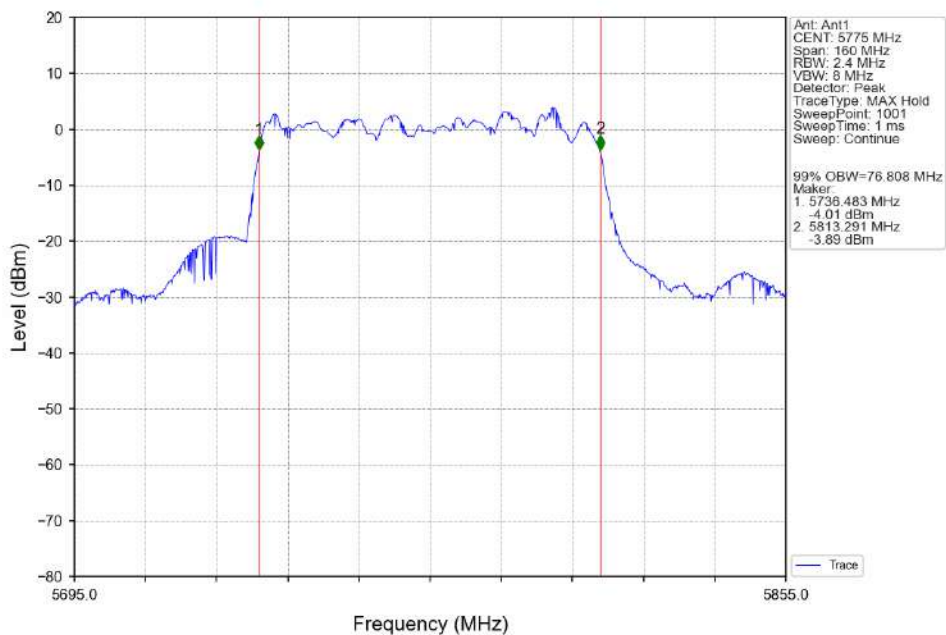
802.11ac(VHT40) HCH 5795MHz Ant1 NTV



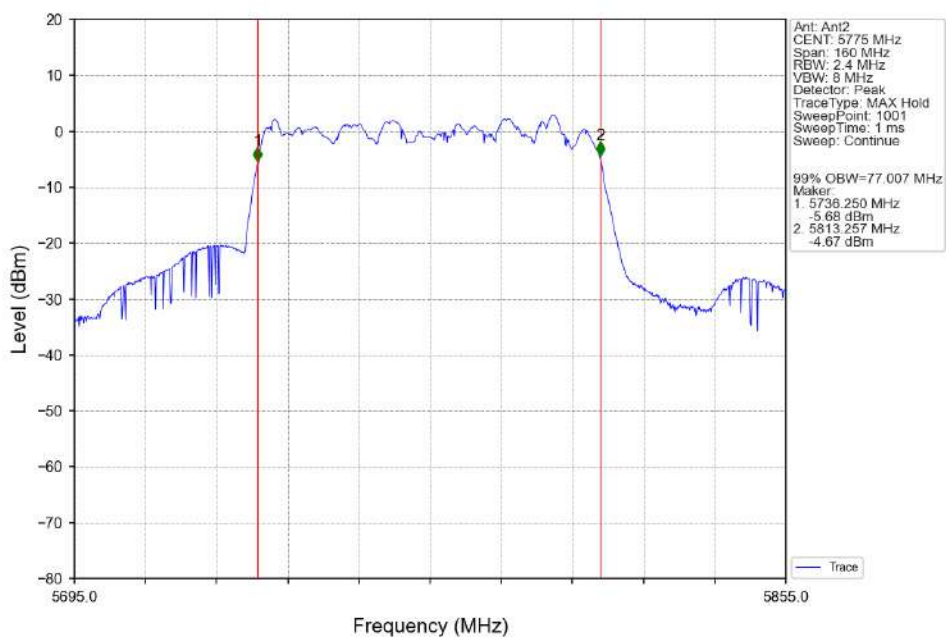
802.11ac(VHT40) HCH 5795MHz Ant2 NTV



802.11ac(VHT80) MCH 5775MHz Ant1 NTN

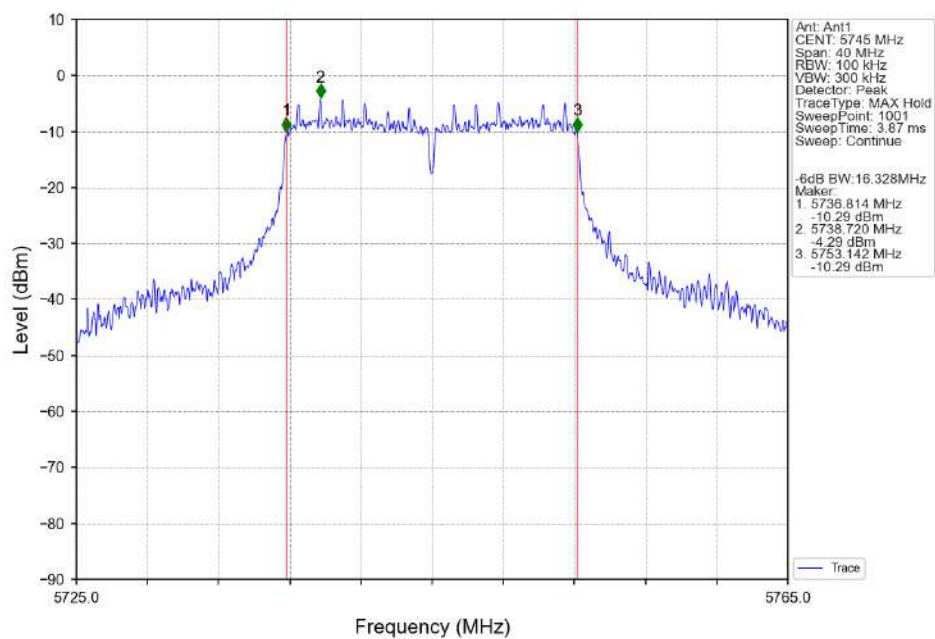


802.11ac(VHT80) MCH 5775MHz Ant2 NTN

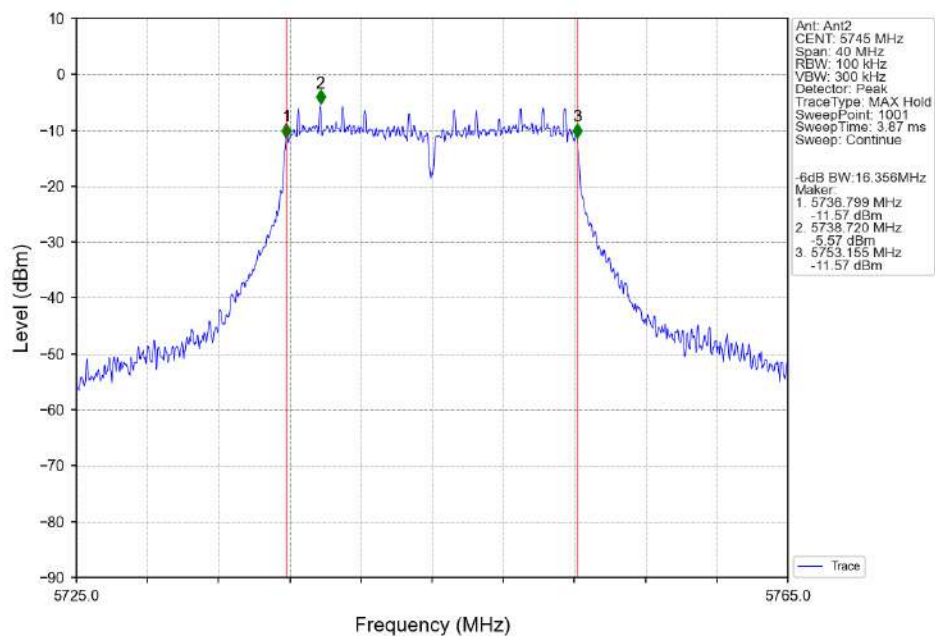


1.2.2 6dB BW

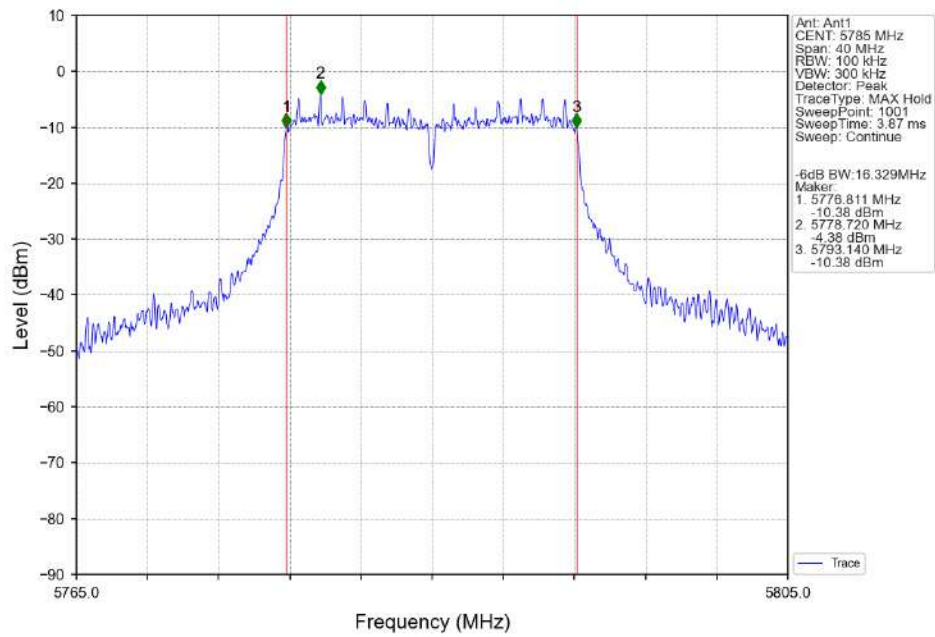
802.11a_LCH_5745MHz_Ant1_NTNV



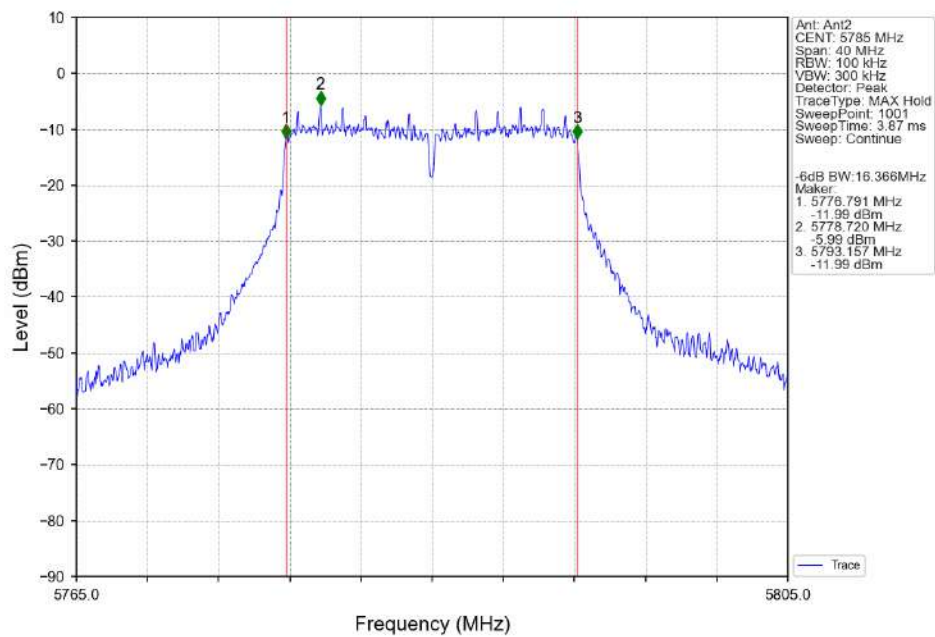
802.11a_LCH_5745MHz_Ant2_NTNV



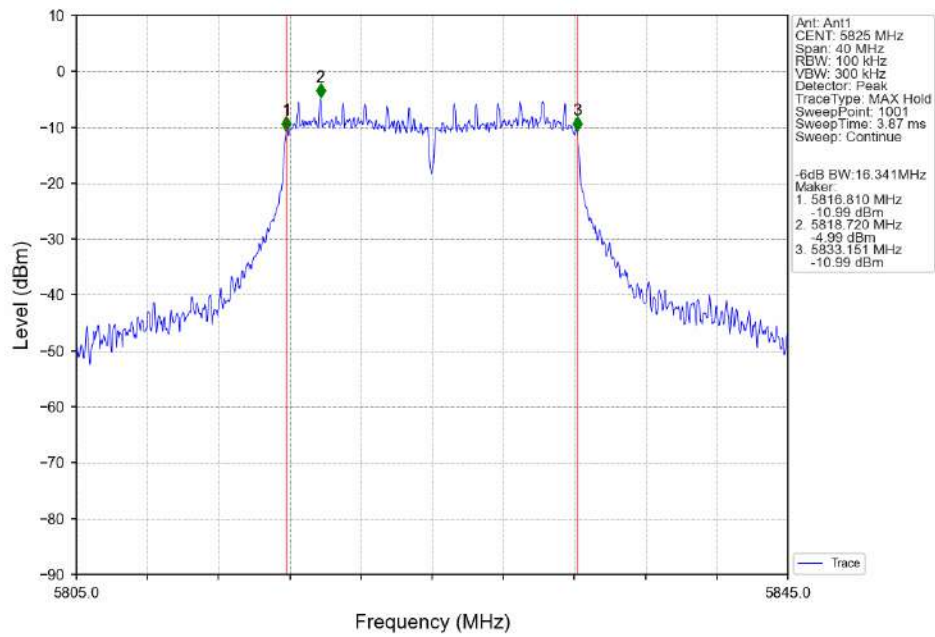
802.11a MCH 5785MHz Ant1 NTN



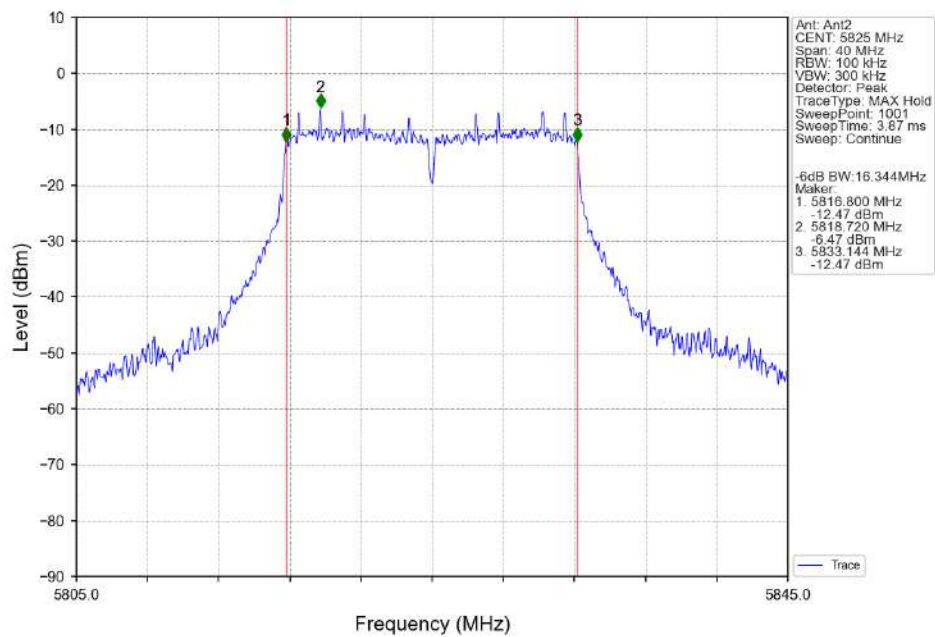
802.11a MCH 5785MHz Ant2 NTN



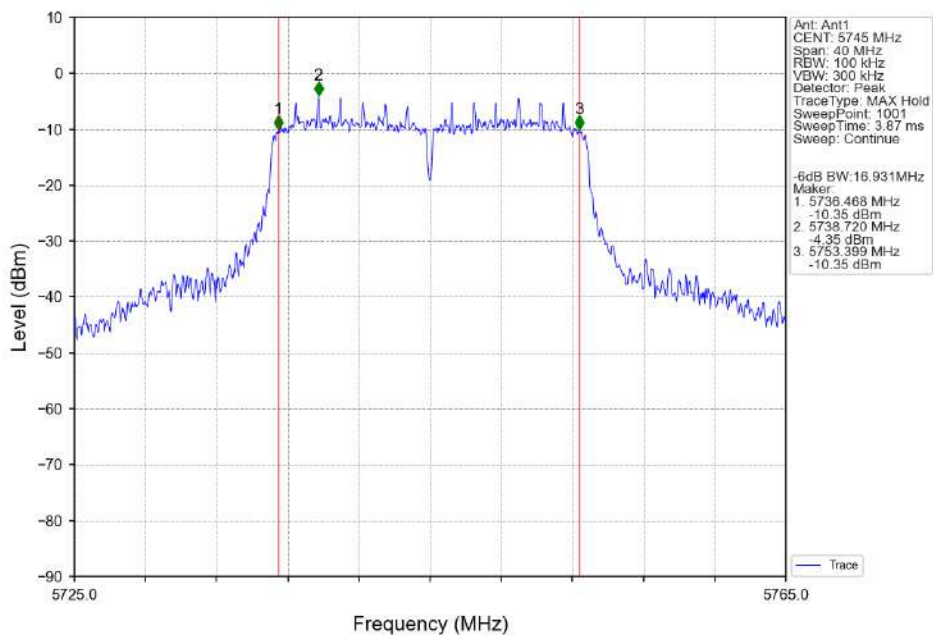
802.11a HCH 5825MHz Ant1 NTNV



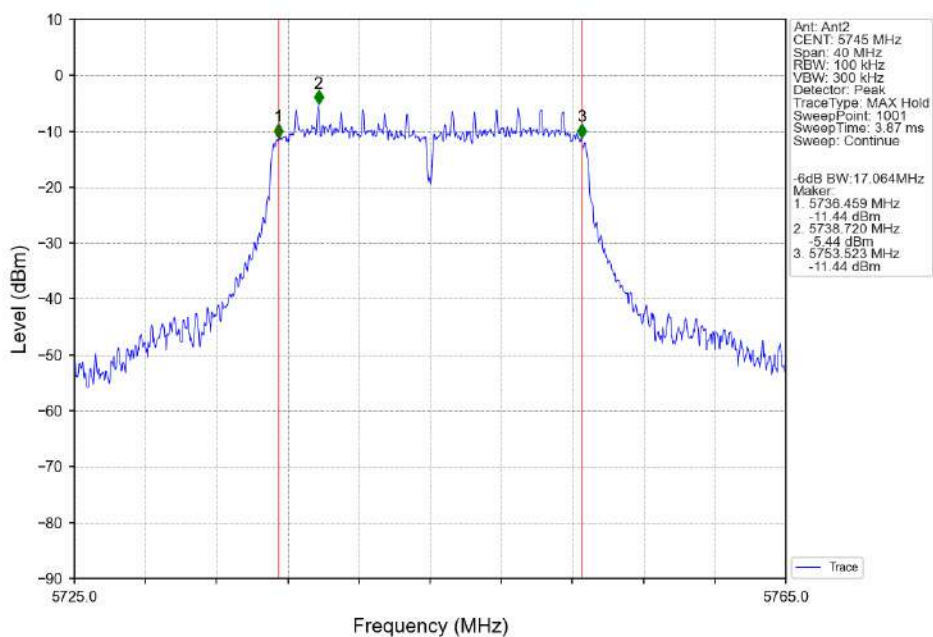
802.11a HCH 5825MHz Ant2 NTNV



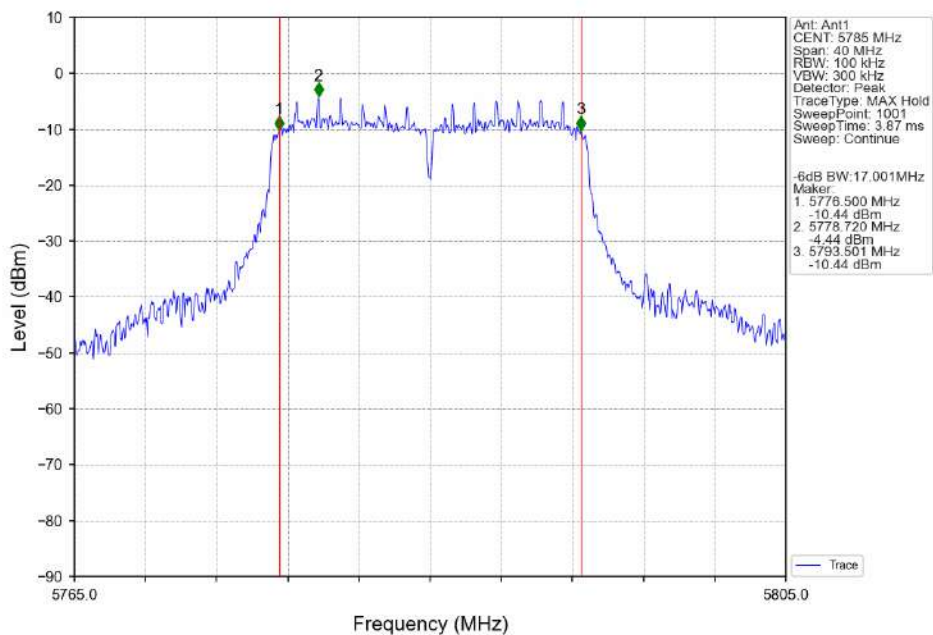
802.11n(HT20) LCH 5745MHz Ant1 NTN



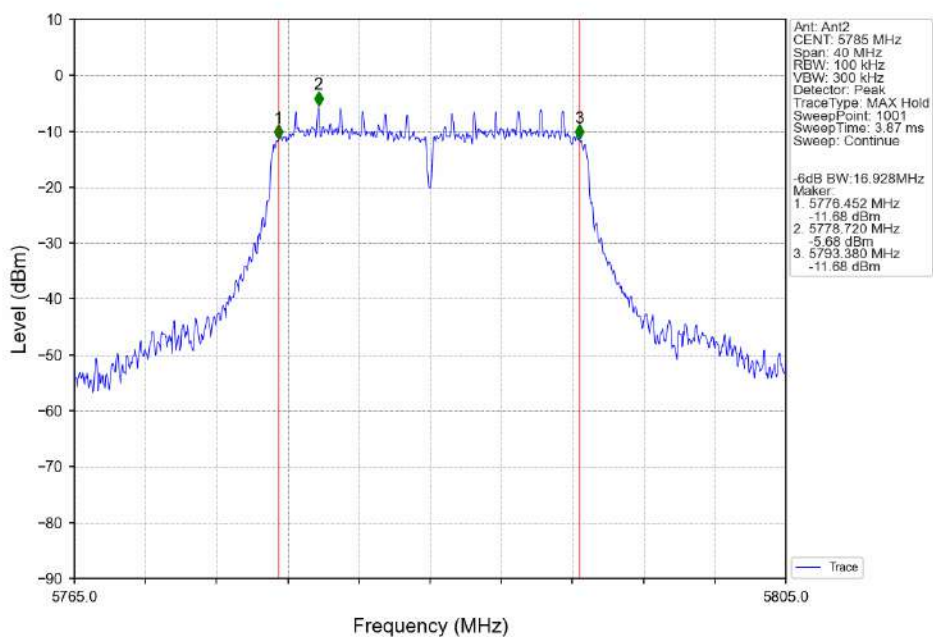
802.11n(HT20) LCH 5745MHz Ant2 NTN



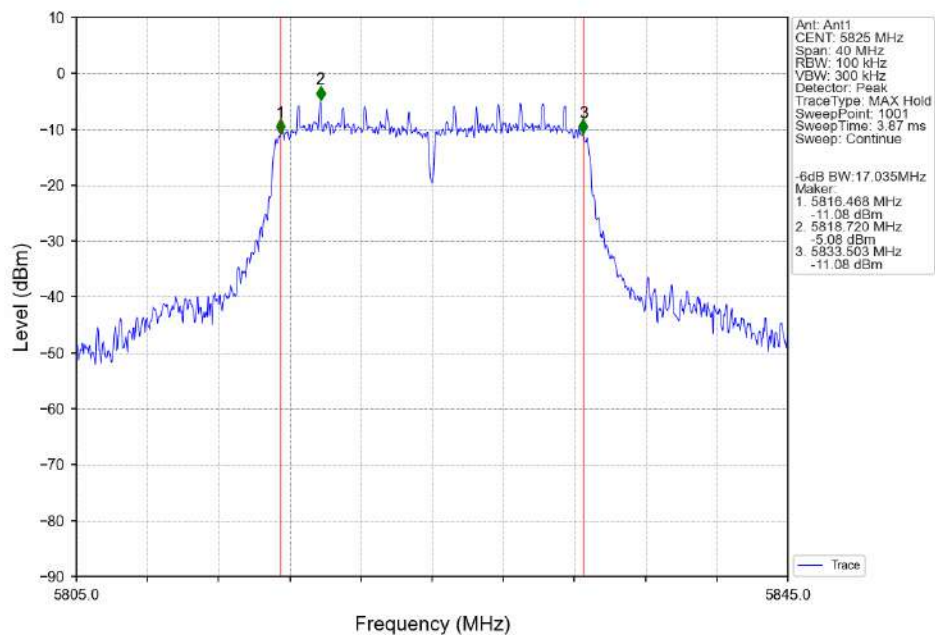
802.11n(HT20) MCH 5785MHz Ant1 NTN



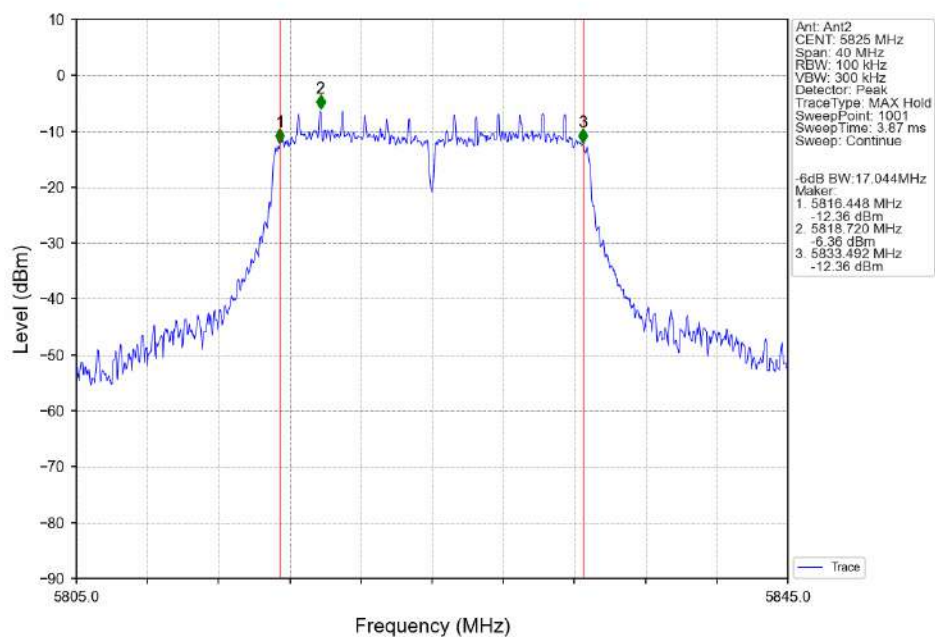
802.11n(HT20) MCH 5785MHz Ant2 NTN



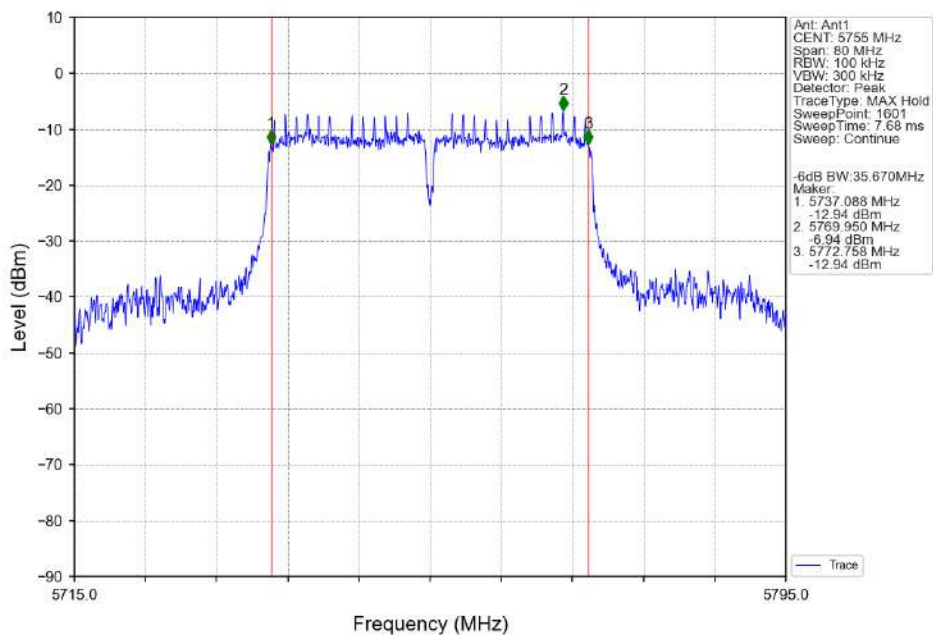
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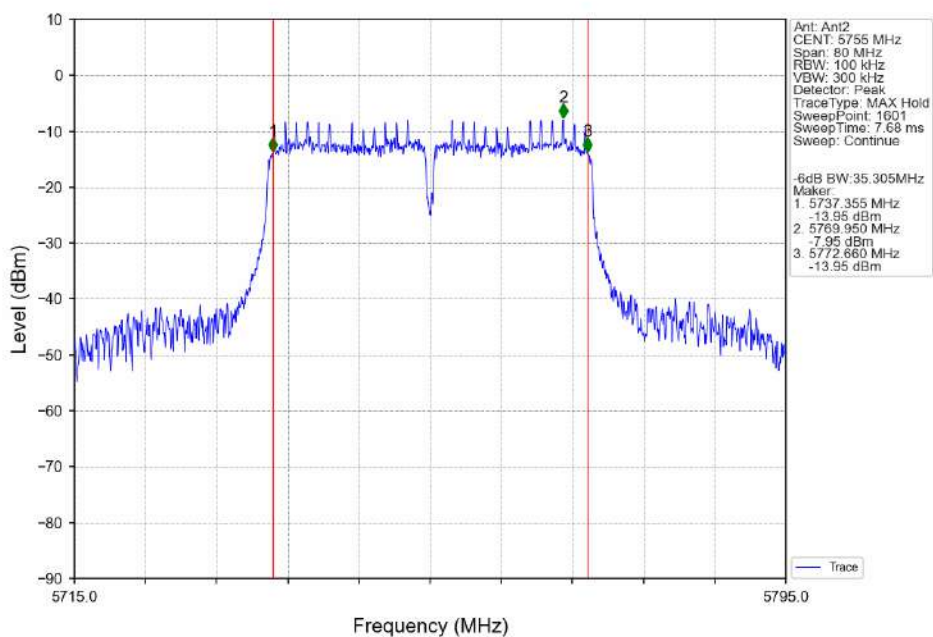
802.11n(HT20) HCH 5825MHz Ant2 NTN



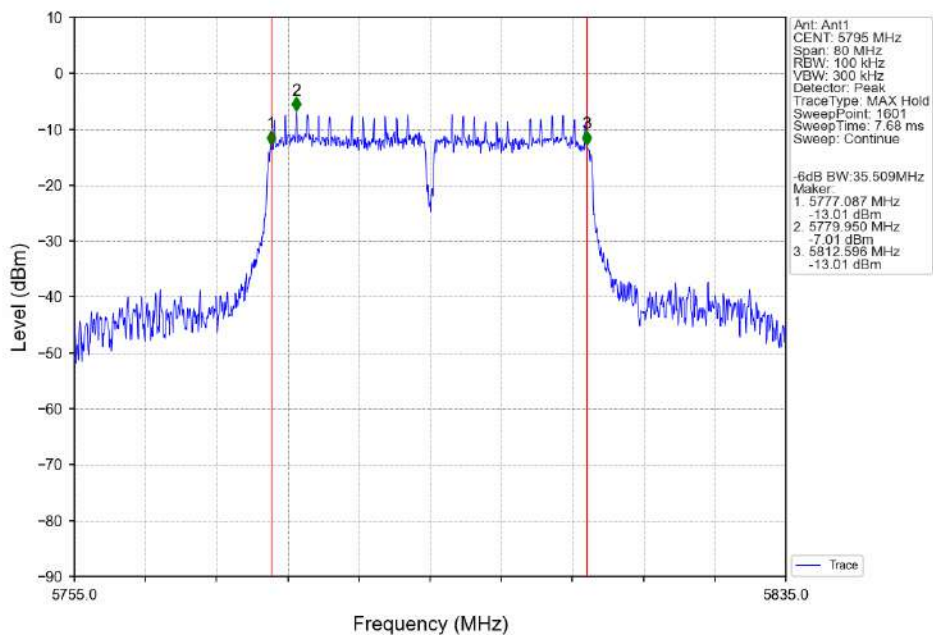
802.11n(HT40) LCH 5755MHz Ant1 NTN



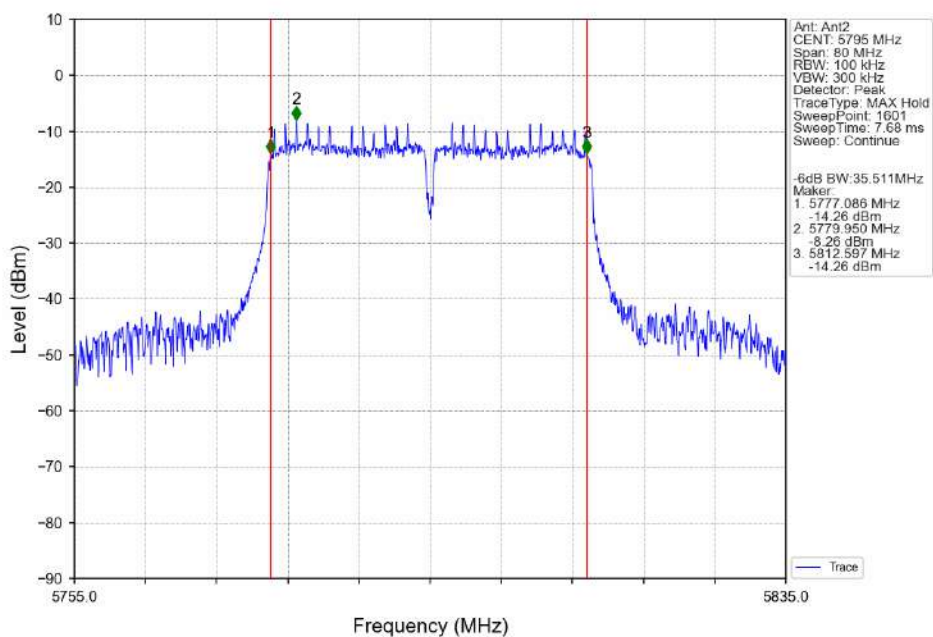
802.11n(HT40) LCH 5755MHz Ant2 NTN



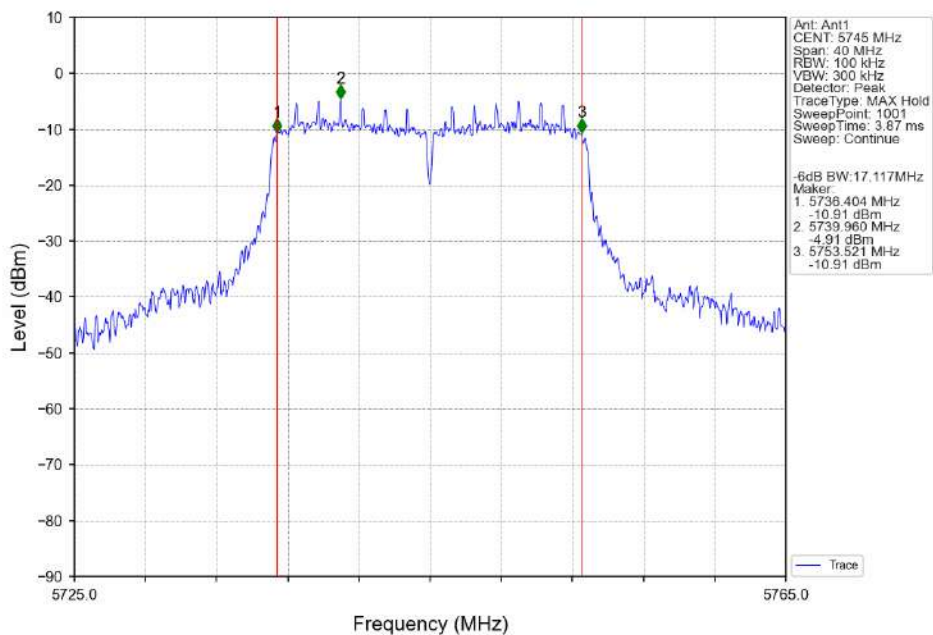
802.11n(HT40) HCH 5795MHz Ant1 NTN



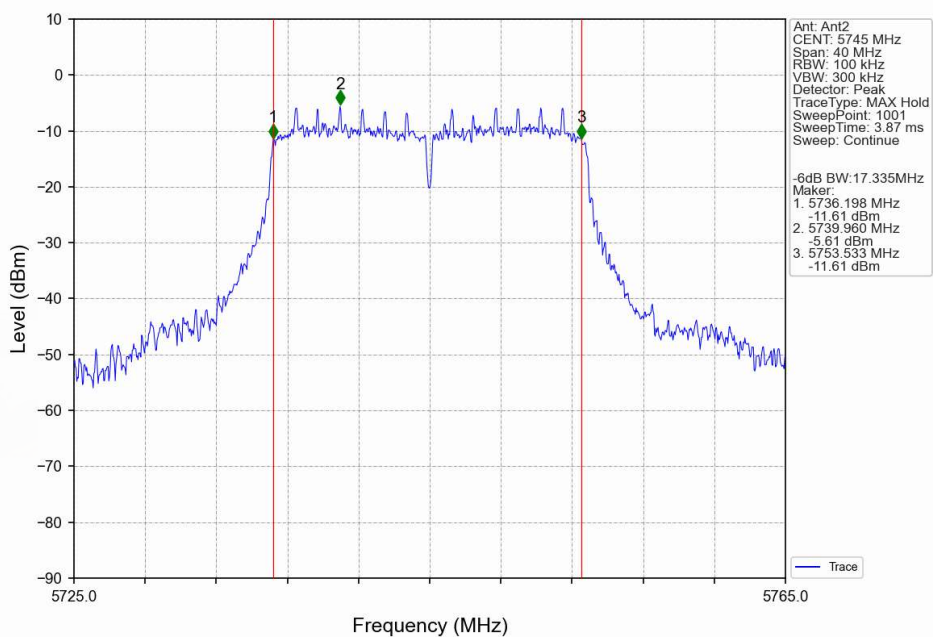
802.11n(HT40) HCH 5795MHz Ant2 NTN



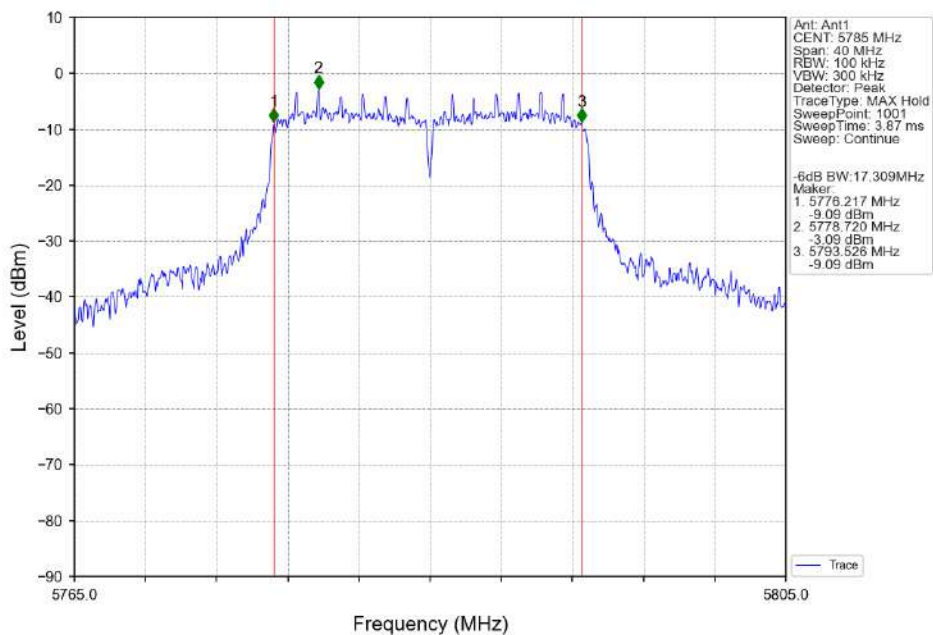
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



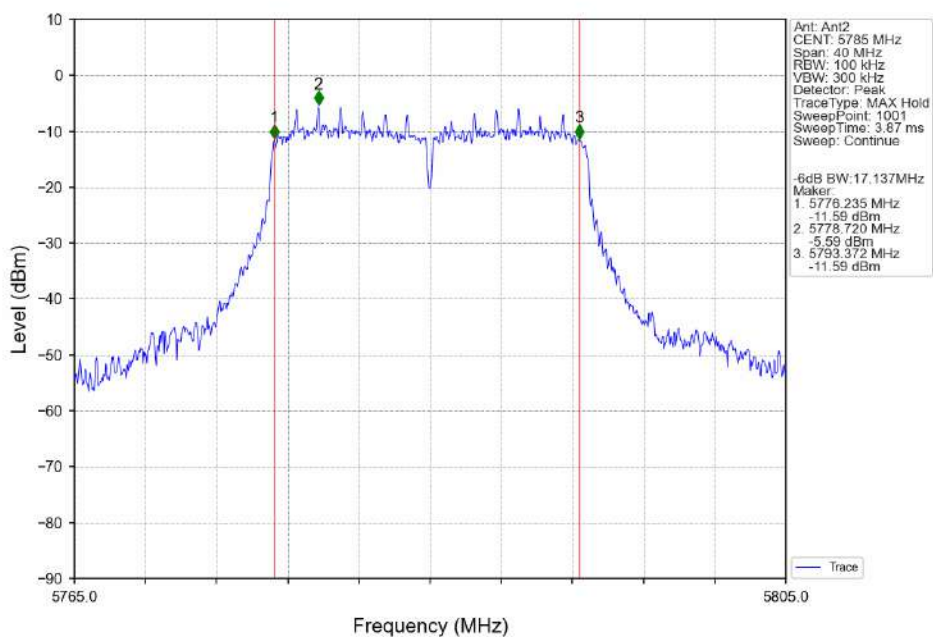
802.11ac(VHT20) LCH 5745MHz Ant2 NTN



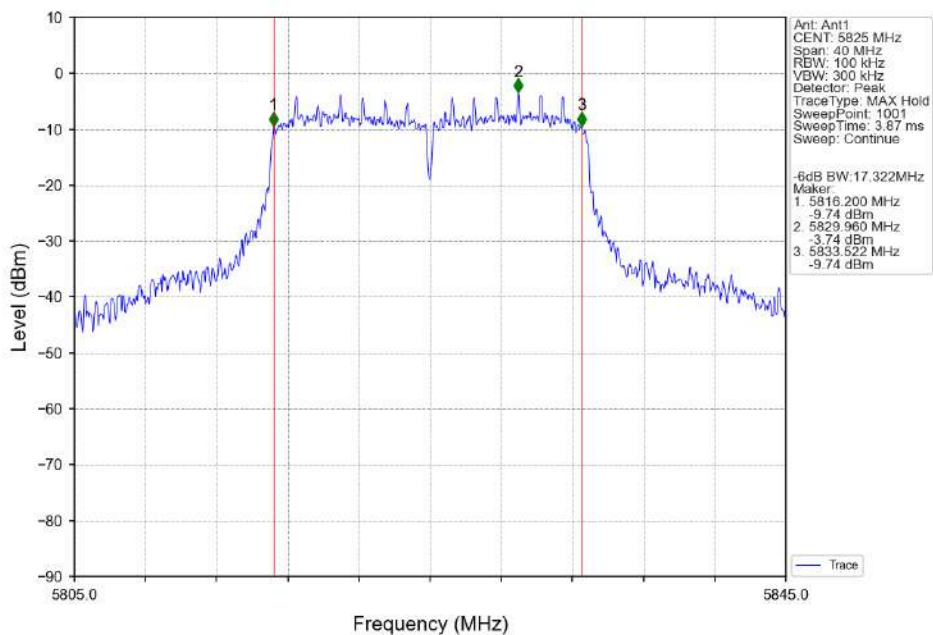
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



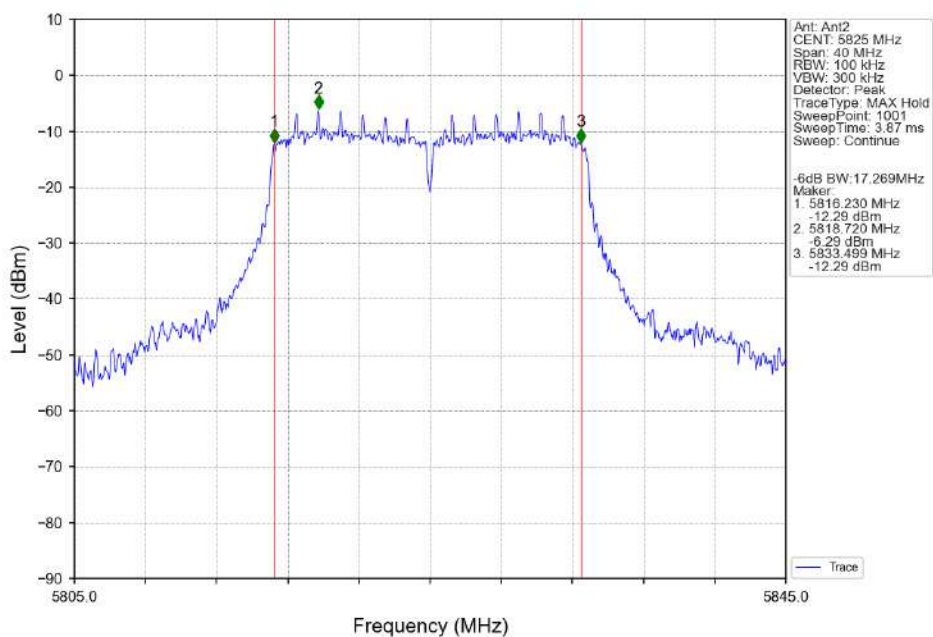
802.11ac(VHT20) MCH 5785MHz Ant2 NTN



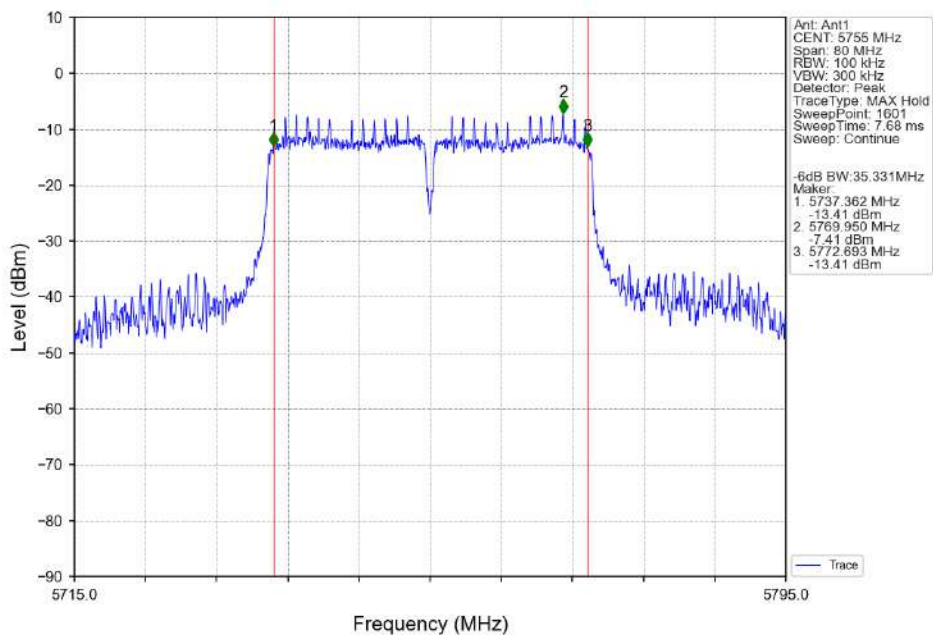
802.11ac(VHT20) HCH 5825MHz Ant1 NTNV



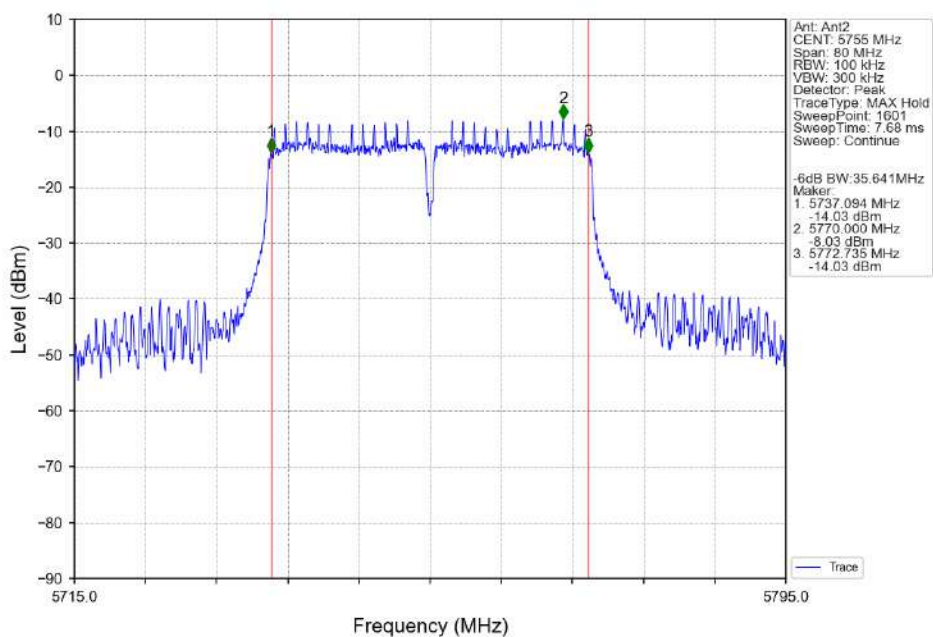
802.11ac(VHT20) HCH 5825MHz Ant2 NTNV



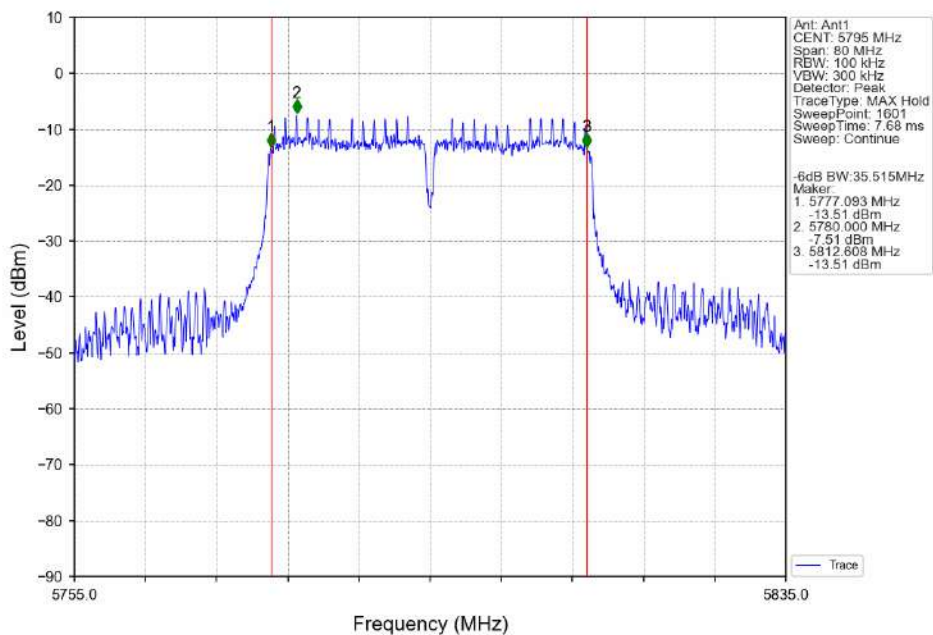
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



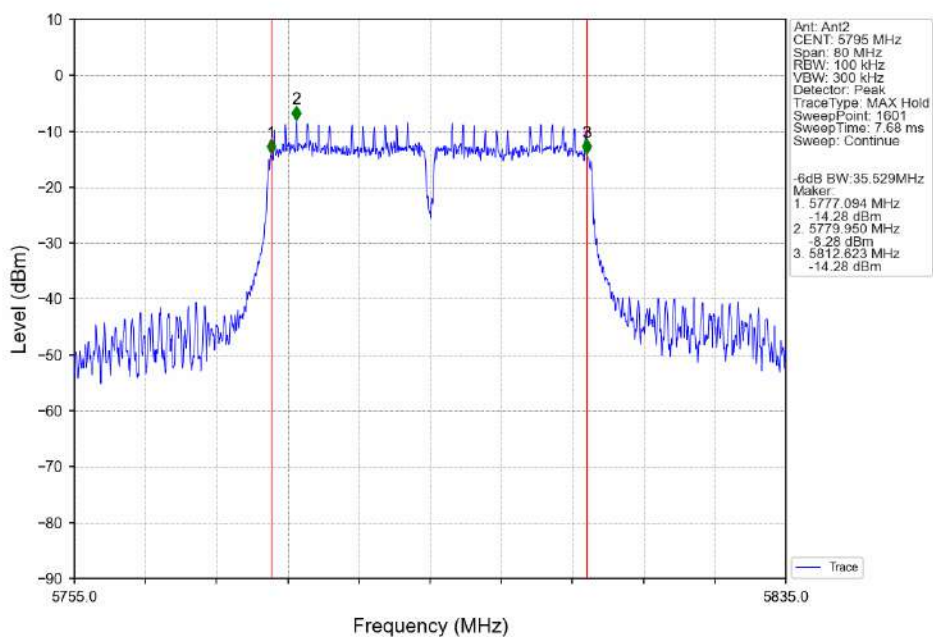
802.11ac(VHT40) LCH 5755MHz Ant2 NTN



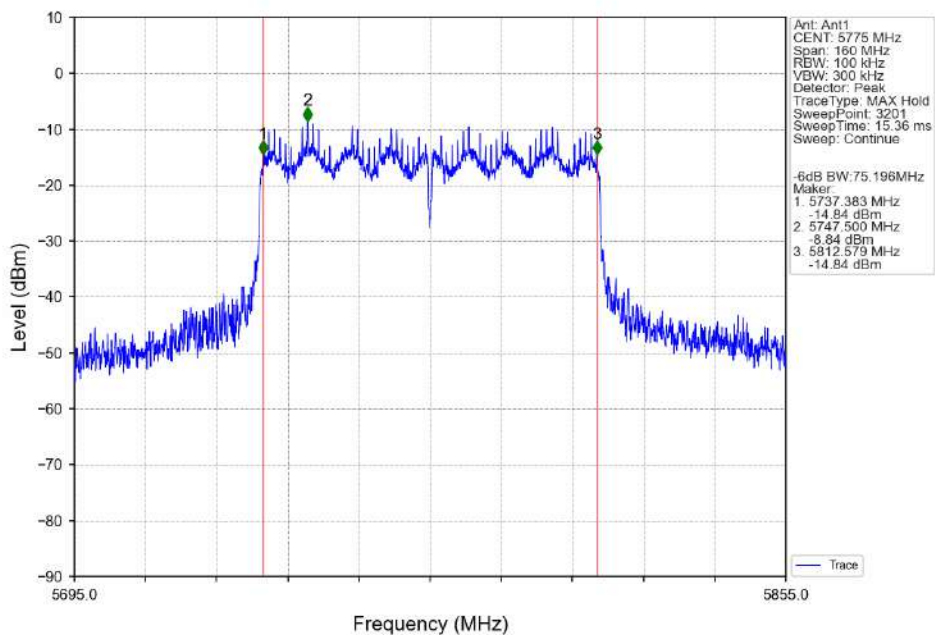
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



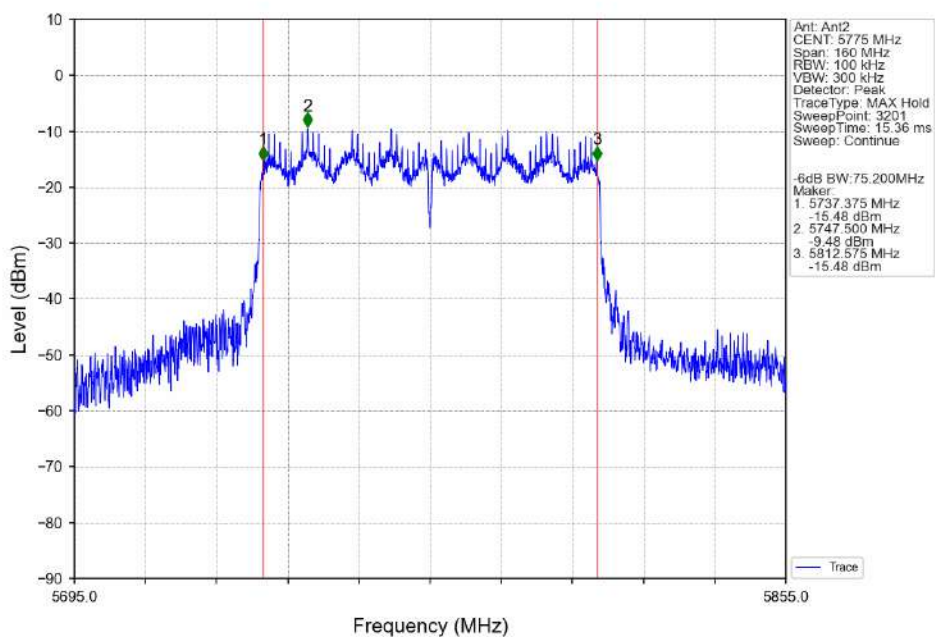
802.11ac(VHT40) HCH 5795MHz Ant2 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTVN



802.11ac(VHT80) MCH 5775MHz Ant2 NTVN



2. Maximum Conducted Output Power

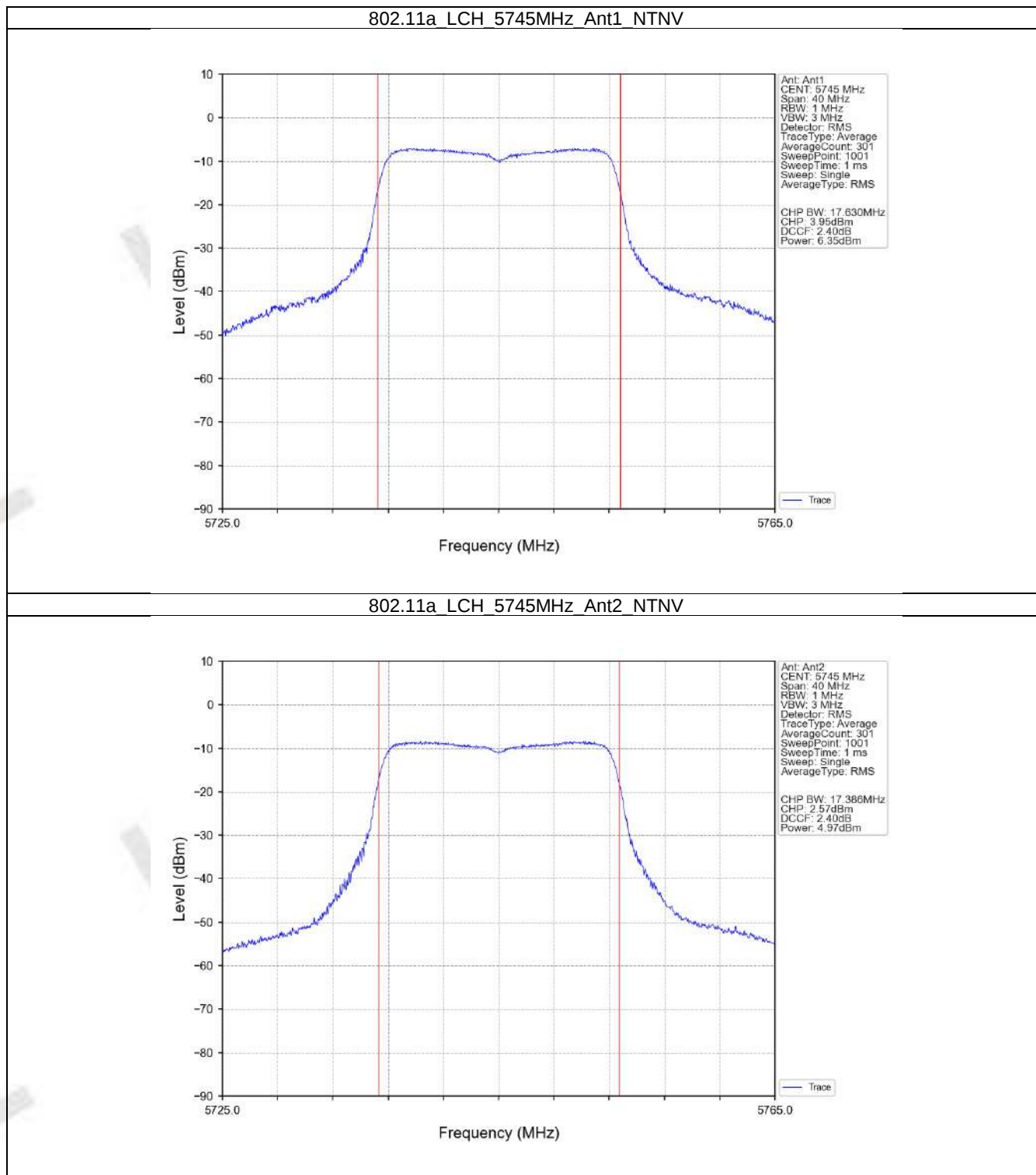
2.1 Test Result

2.1.1 Power

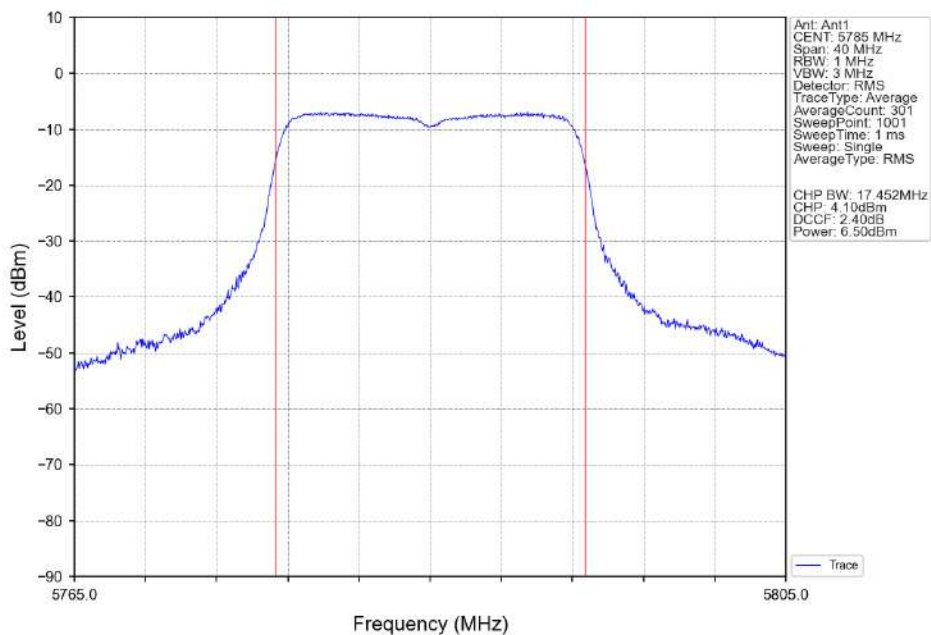
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)			Verdict
			ANT1	ANT2	Limit	
802.11a	SISO	5745	6.35	4.97	≤ 30	Pass
		5785	6.50	5.21	≤ 30	Pass
		5825	6.14	4.22	≤ 30	Pass
802.11n (HT20)	SISO	5745	6.52	5.27	≤ 30	Pass
		5785	6.42	5.04	≤ 30	Pass
		5825	5.69	4.35	≤ 30	Pass
802.11n (HT40)	SISO	5755	7.33	6.24	≤ 30	Pass
		5795	6.41	5.09	≤ 30	Pass
802.11ac (VHT20)	SISO	5745	5.88	5.39	≤ 30	Pass
		5785	7.92	4.99	≤ 30	Pass
		5825	7.32	4.37	≤ 30	Pass
802.11ac (VHT40)	SISO	5755	6.67	6.10	≤ 30	Pass
		5795	5.92	5.82	≤ 30	Pass
802.11ac (VHT80)	SISO	5775	6.63	5.83	≤ 30	Pass
Note1: Antenna Gain: Ant1: 1.26dBi; Ant2: 1.20dBi;						

2.2 Test Graph

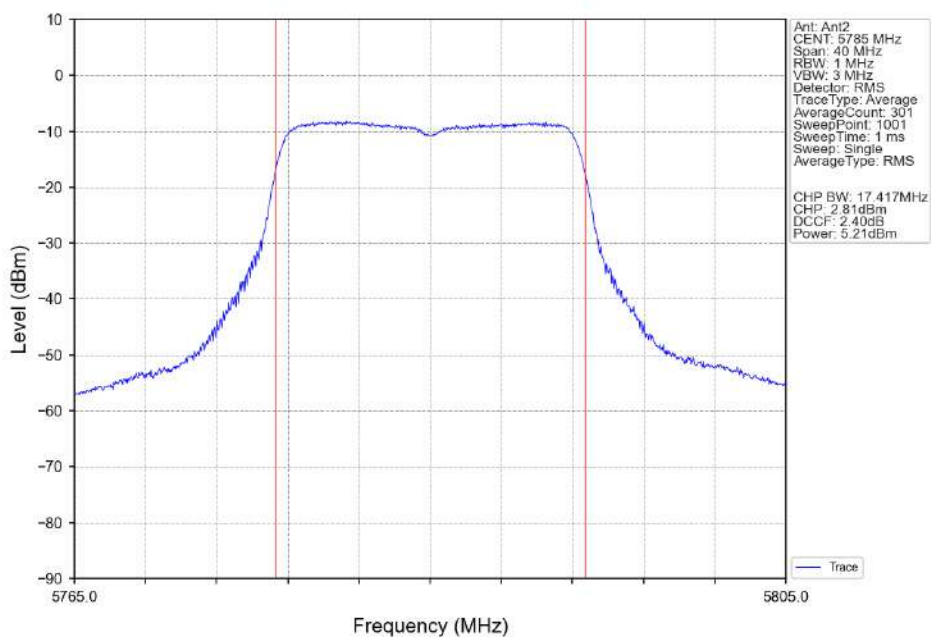
2.2.1 Power



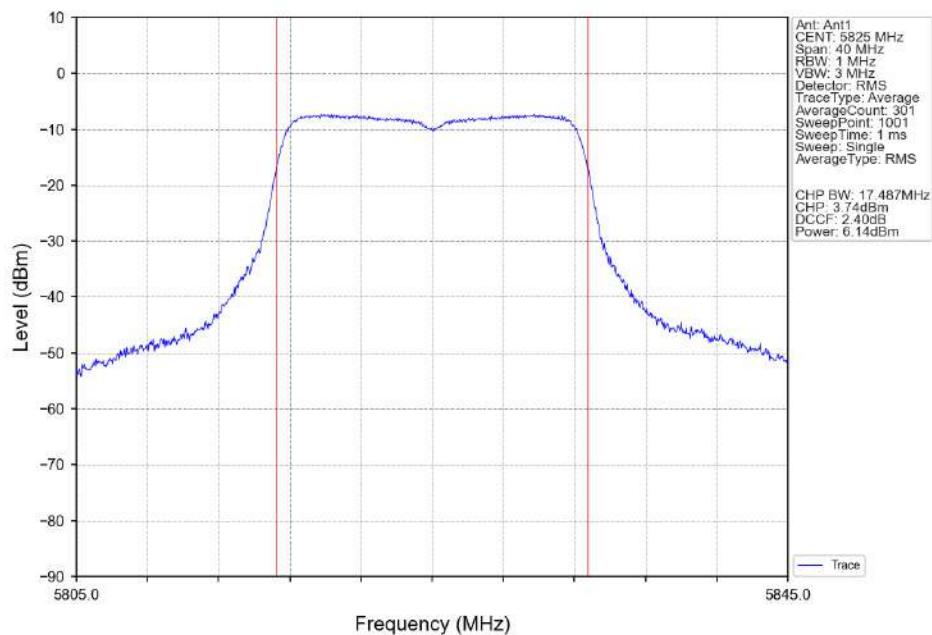
802.11a MCH 5785MHz Ant1 NTV



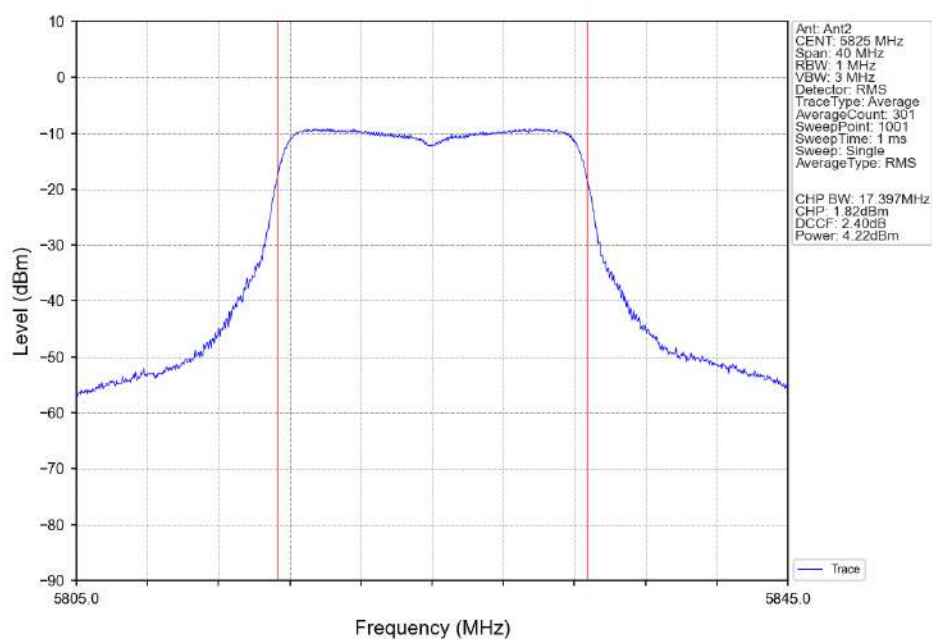
802.11a MCH 5785MHz Ant2 NTV



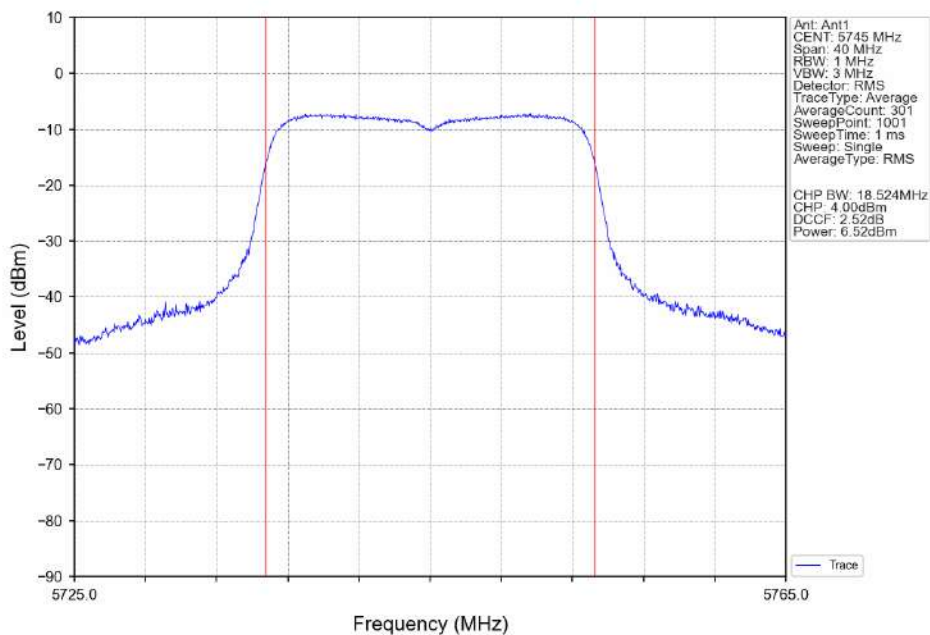
802.11a HCH 5825MHz Ant1 NTV



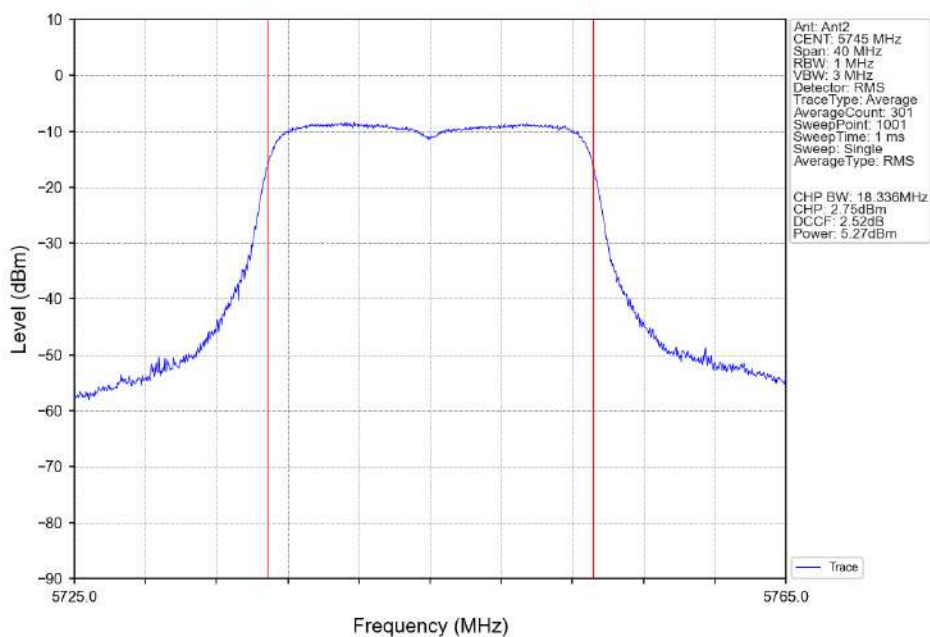
802.11a HCH 5825MHz Ant2 NTV



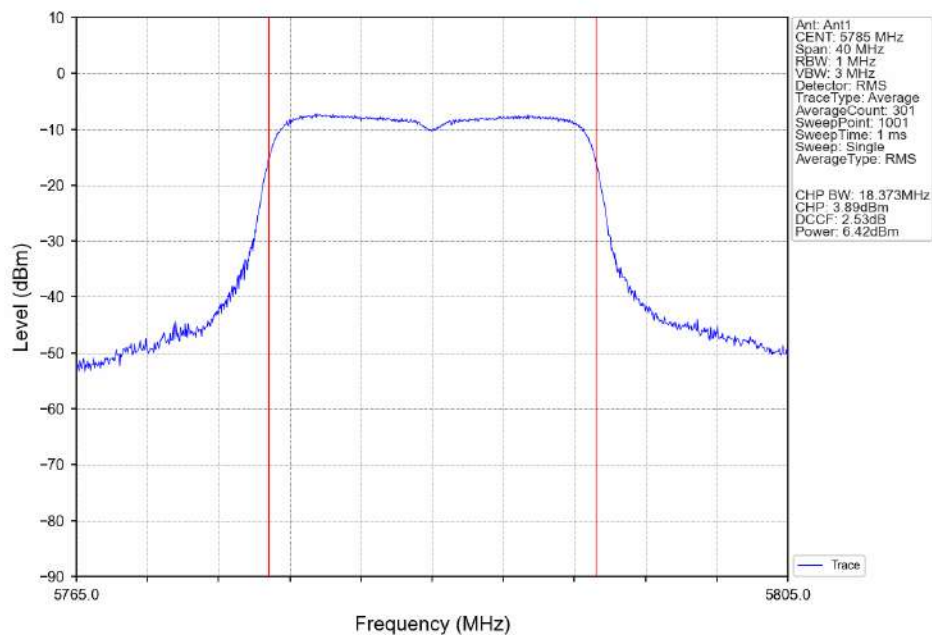
802.11n(HT20) LCH 5745MHz Ant1 NTN



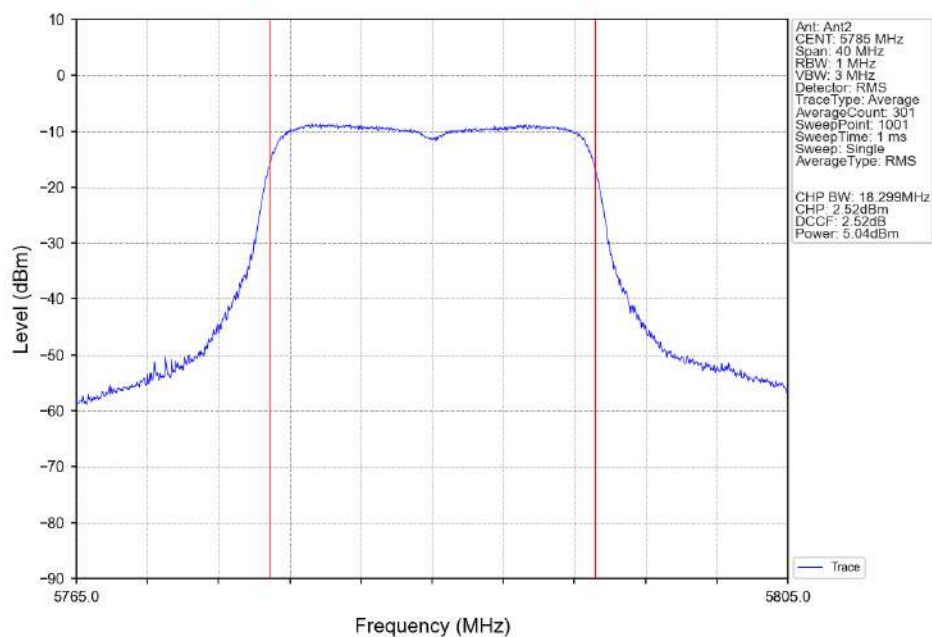
802.11n(HT20) LCH 5745MHz Ant2 NTN



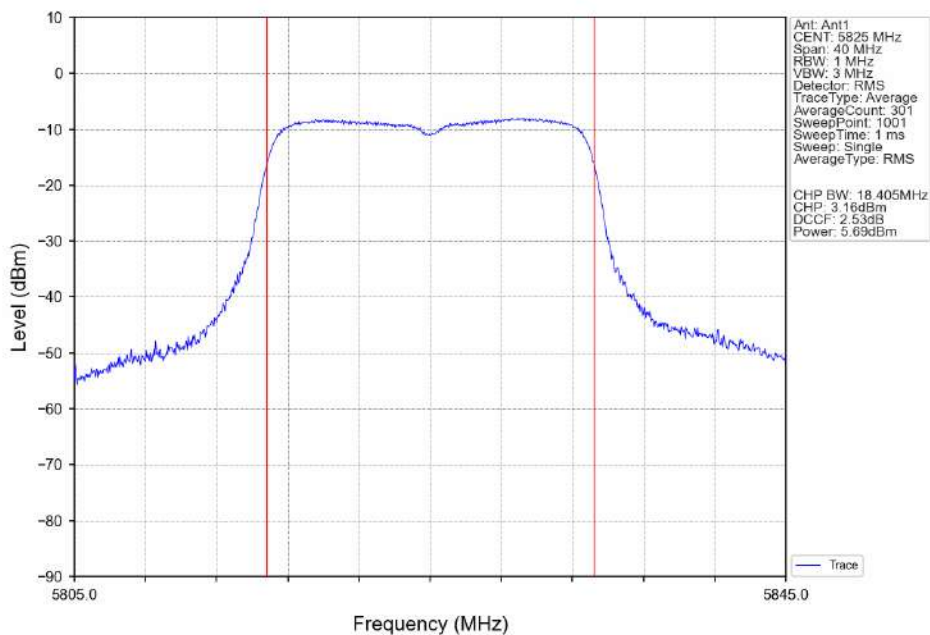
802.11n(HT20) MCH 5785MHz Ant1 NTN



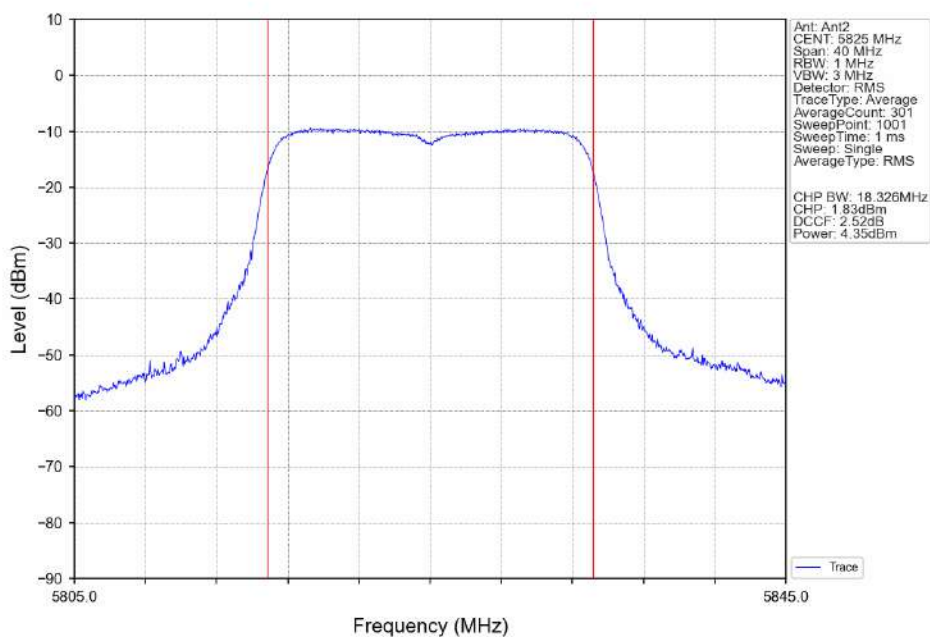
802.11n(HT20) MCH 5785MHz Ant2 NTN



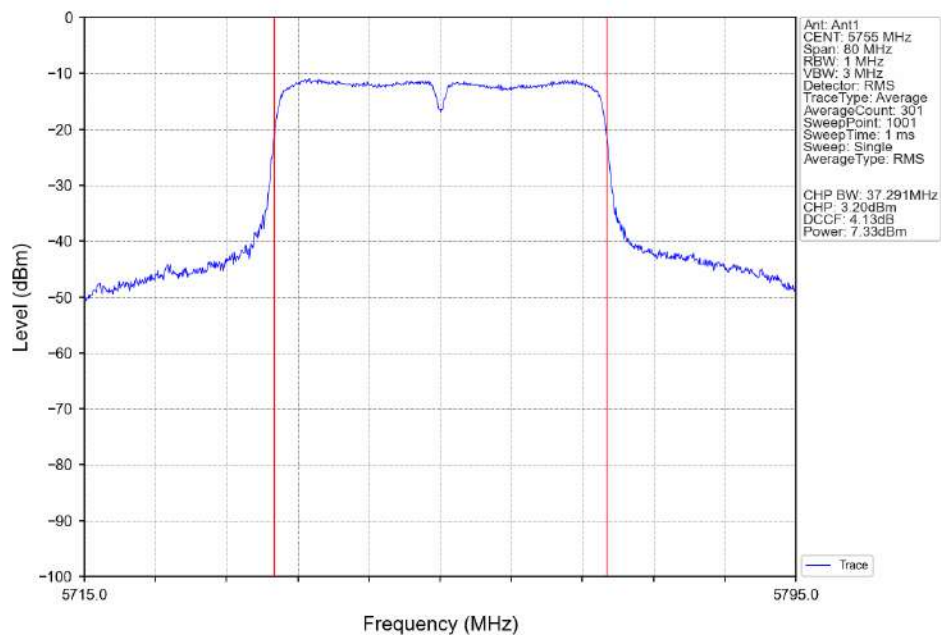
802.11n(HT20) HCH 5825MHz Ant1 NTN



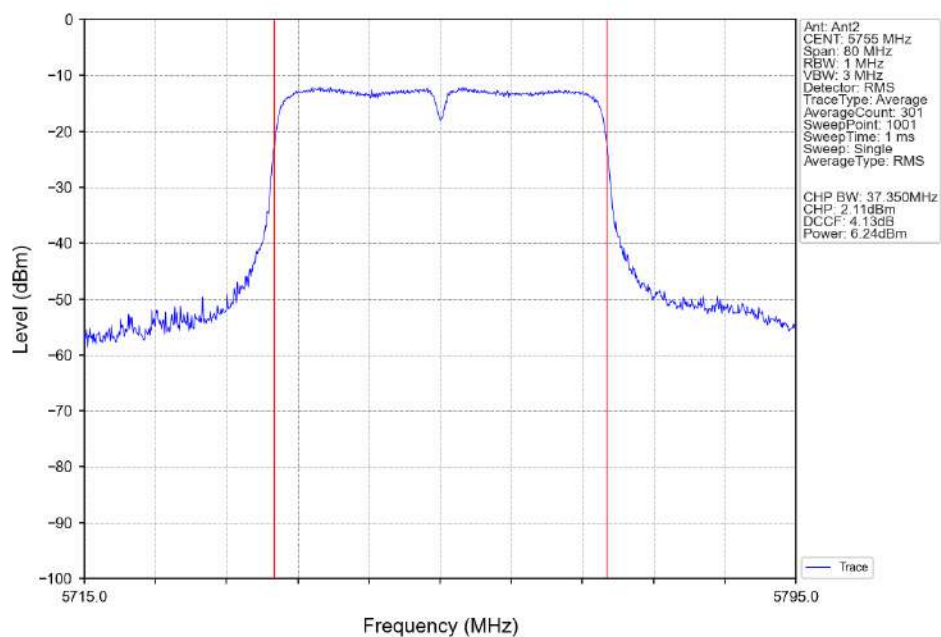
802.11n(HT20) HCH 5825MHz Ant2 NTN



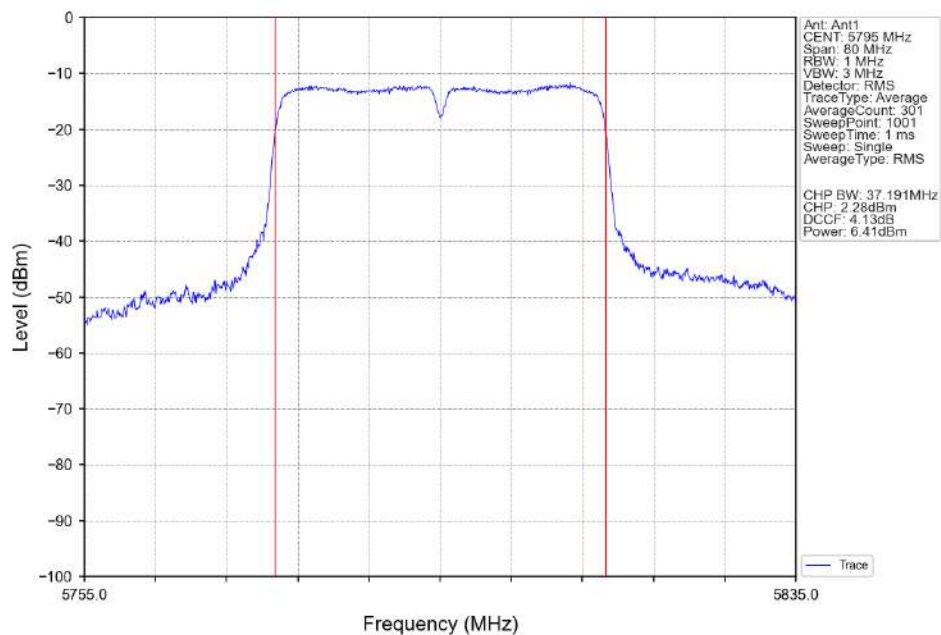
802.11n(HT40) LCH 5755MHz Ant1 NTN



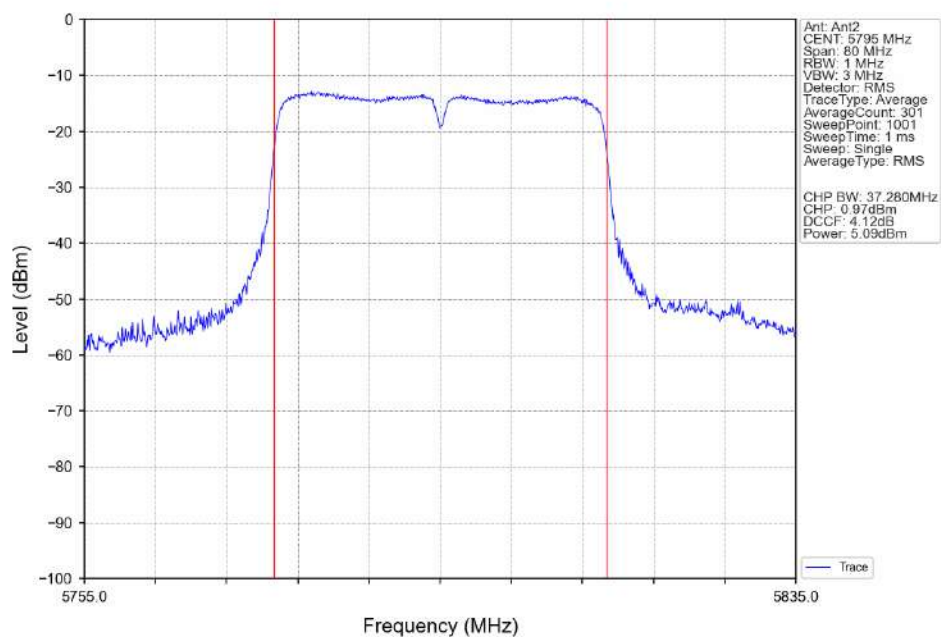
802.11n(HT40) LCH 5755MHz Ant2 NTN



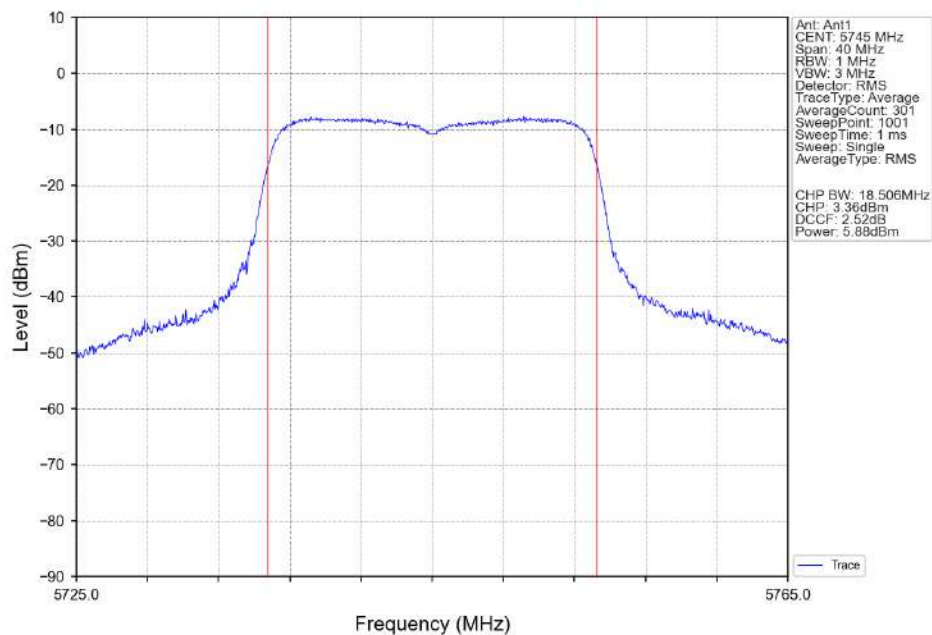
802.11n(HT40) HCH 5795MHz Ant1 NTN



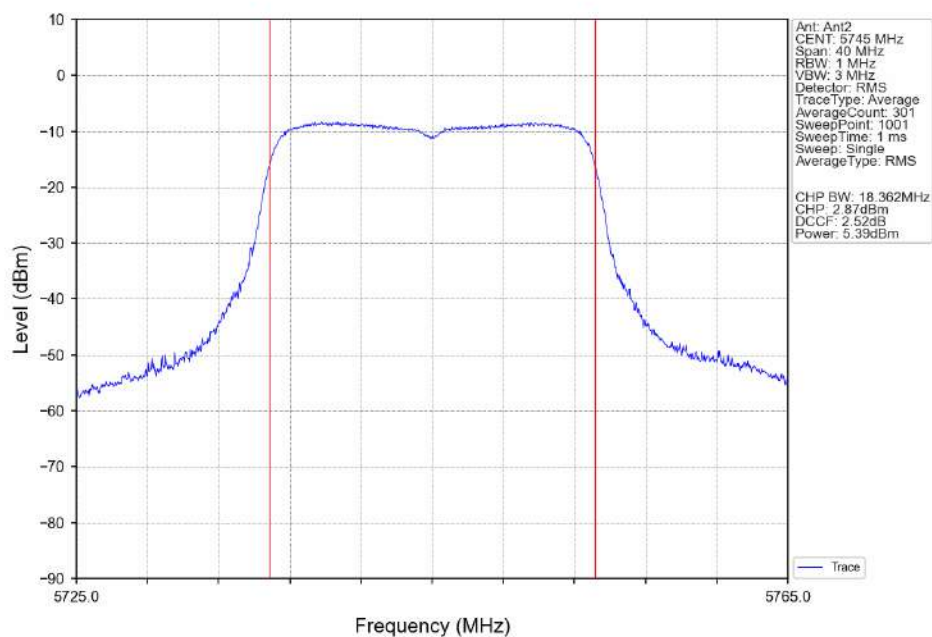
802.11n(HT40) HCH 5795MHz Ant2 NTN



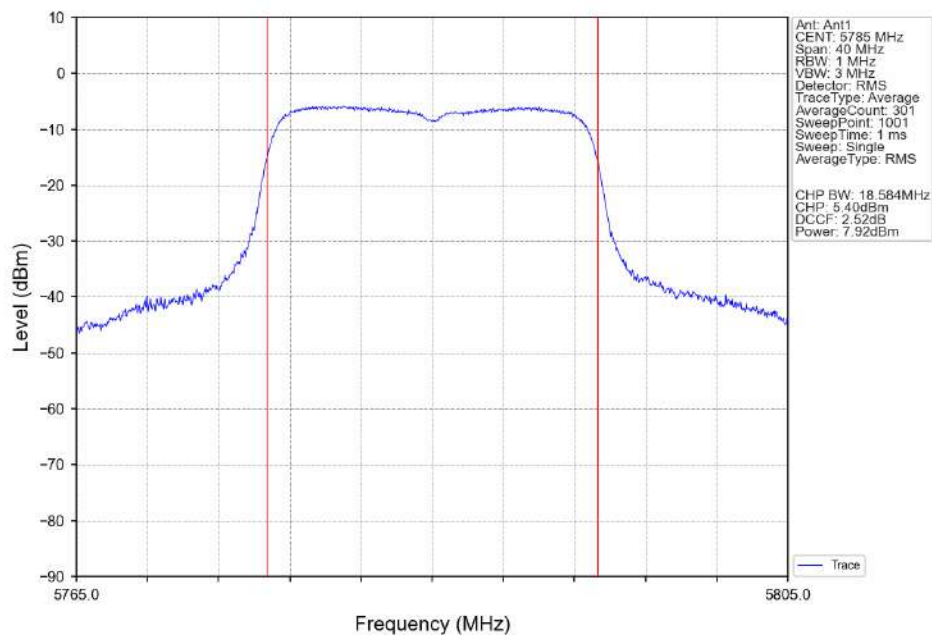
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



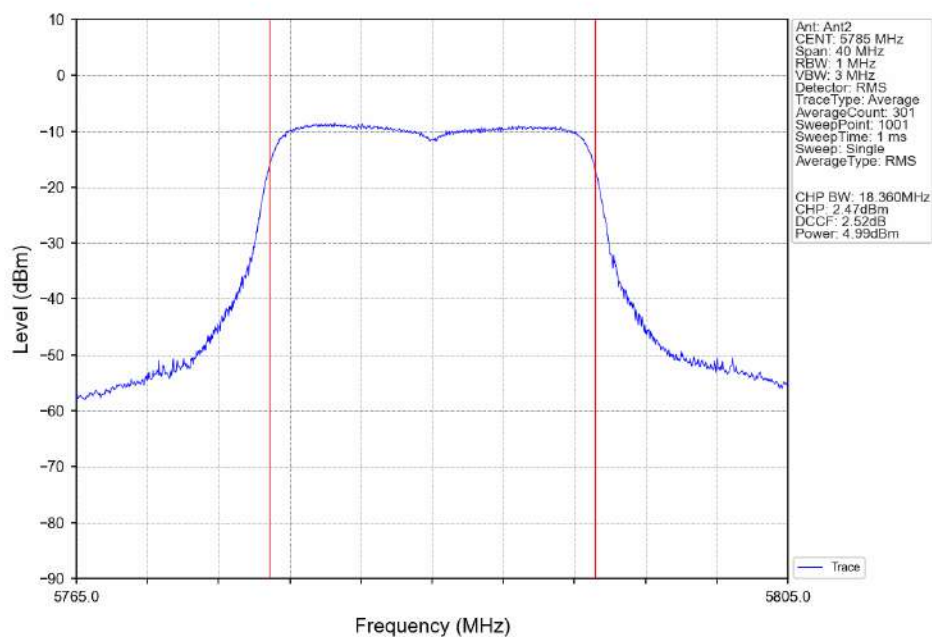
802.11ac(VHT20) LCH 5745MHz Ant2 NTN



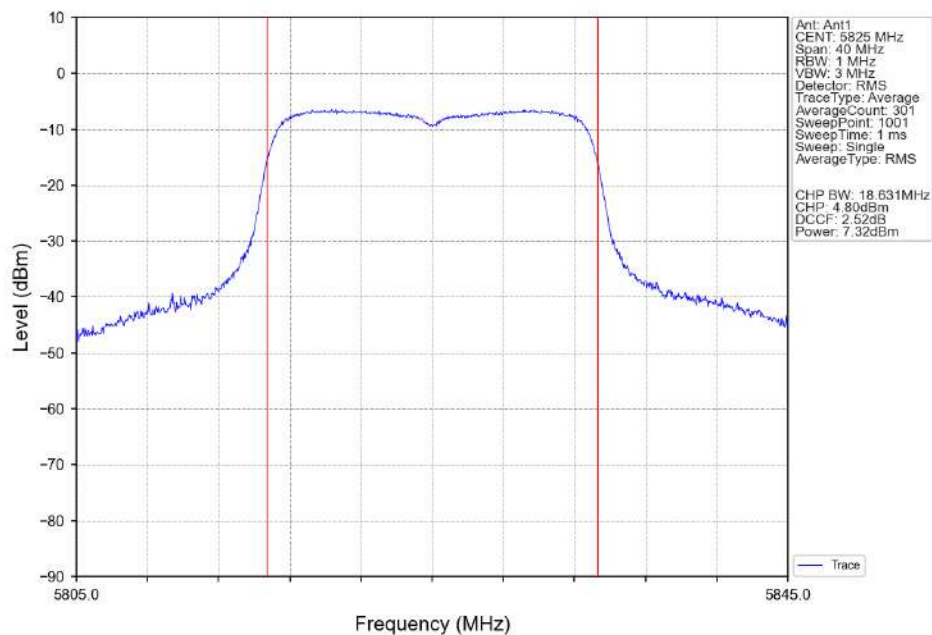
802.11ac(VHT20) MCH 5785MHz Ant1 NTNV



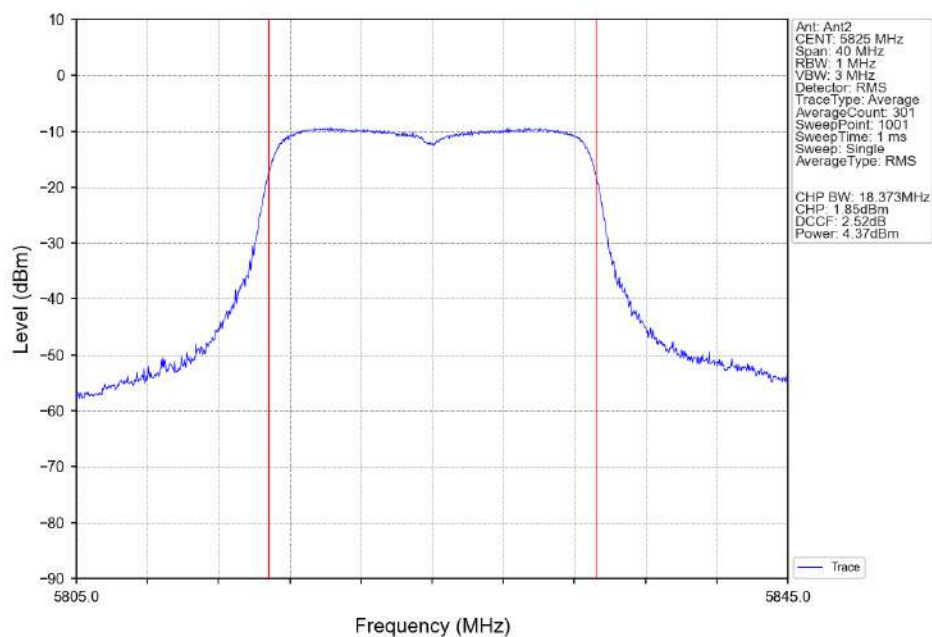
802.11ac(VHT20) MCH 5785MHz Ant2 NTNV



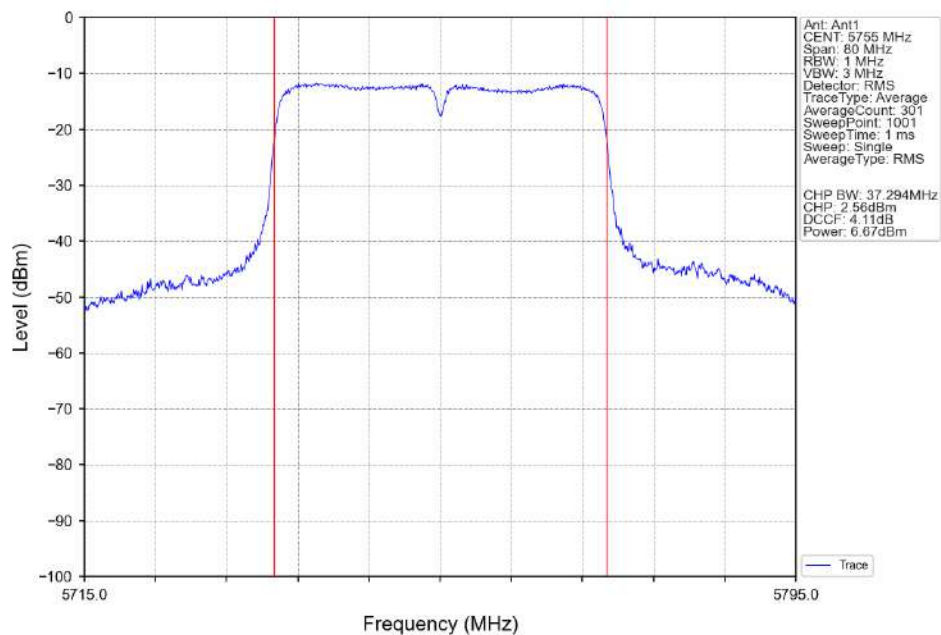
802.11ac(VHT20) HCH 5825MHz Ant1 NTV



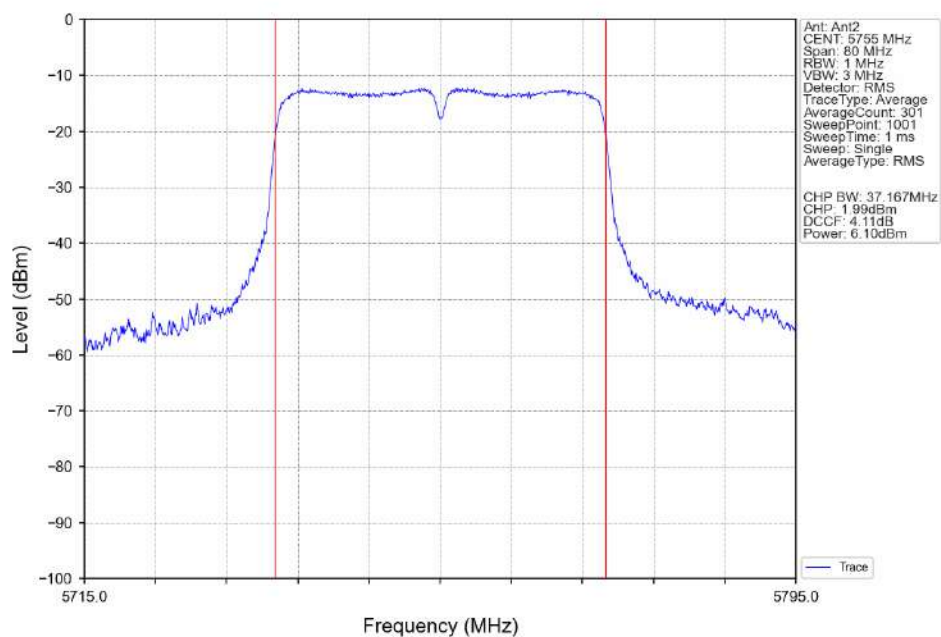
802.11ac(VHT20) HCH 5825MHz Ant2 NTV



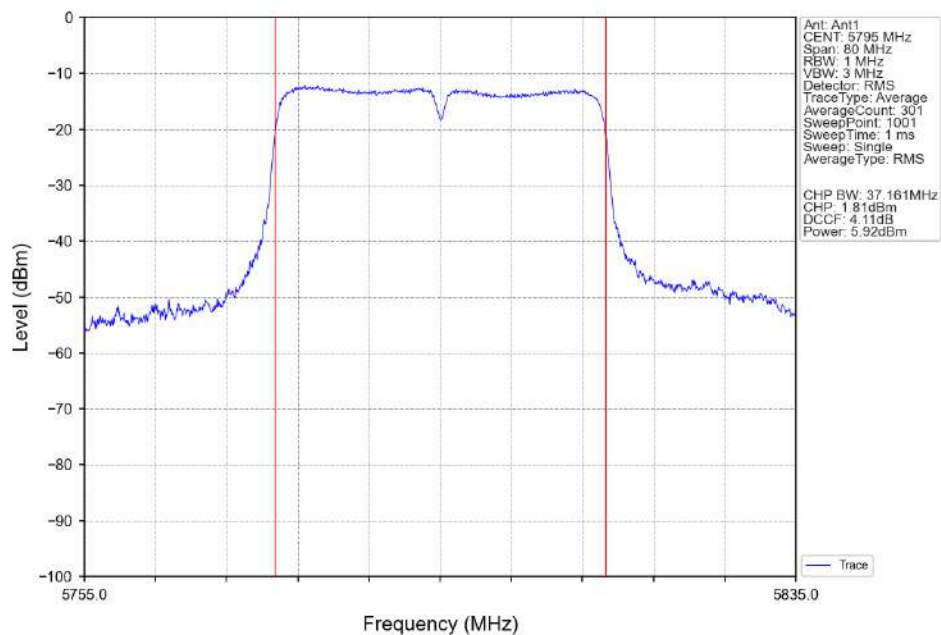
802.11ac(VHT40) LCH 5755MHz Ant1 NTNV



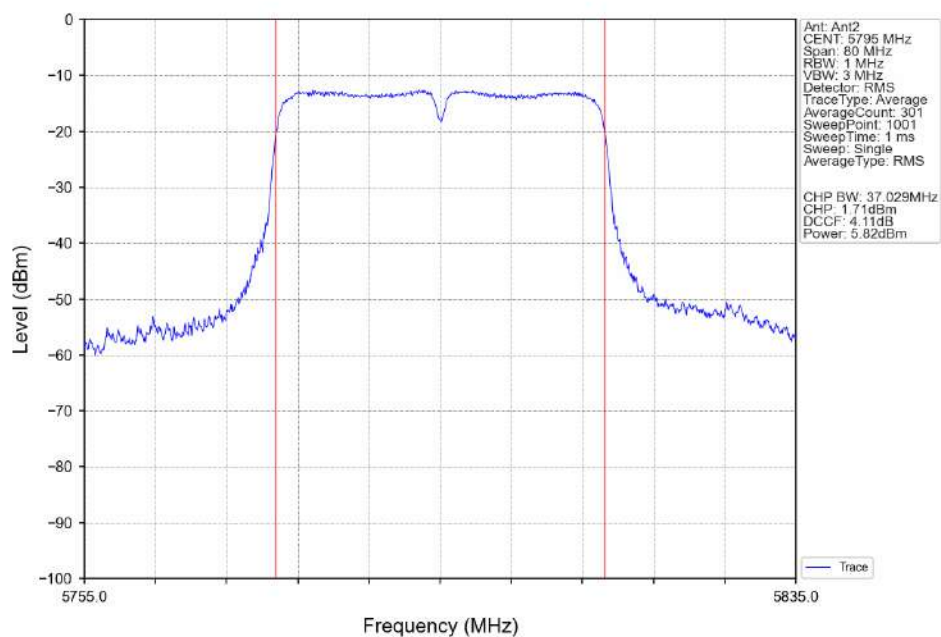
802.11ac(VHT40) LCH 5755MHz Ant2 NTNV



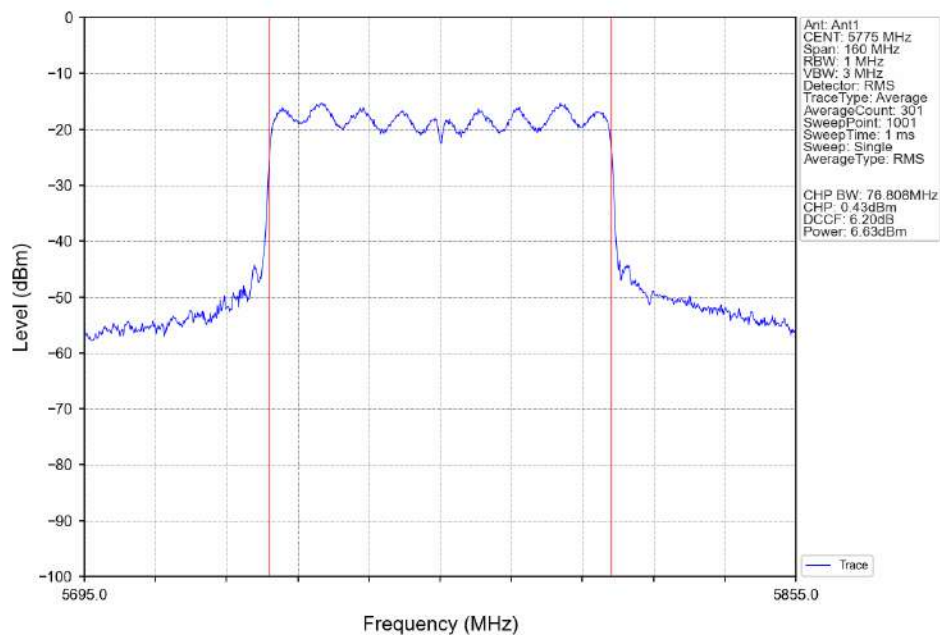
802.11ac(VHT40) HCH 5795MHz Ant1 NTV



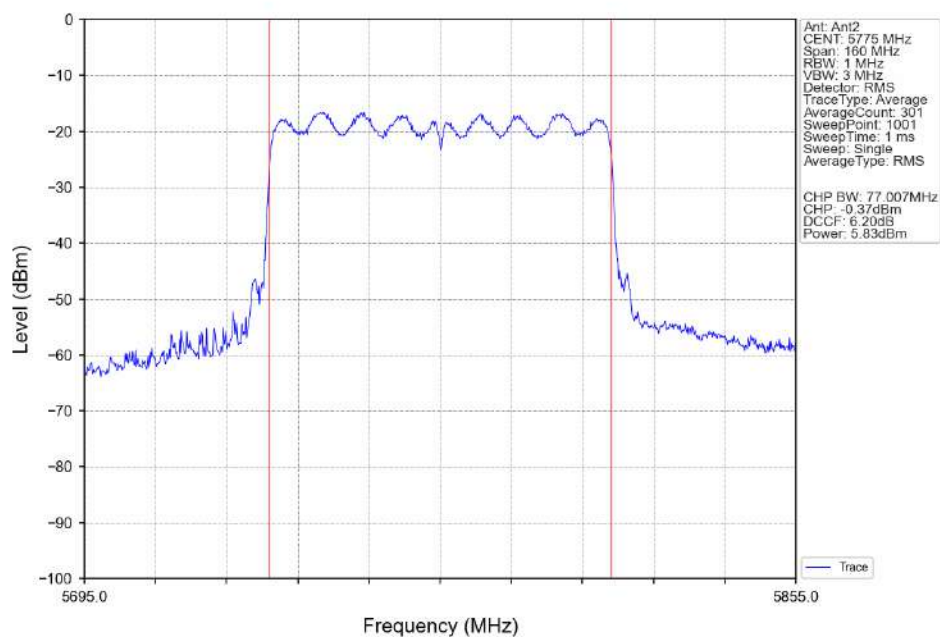
802.11ac(VHT40) HCH 5795MHz Ant2 NTV



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant2 NTN



3. Maximum Power Spectral Density

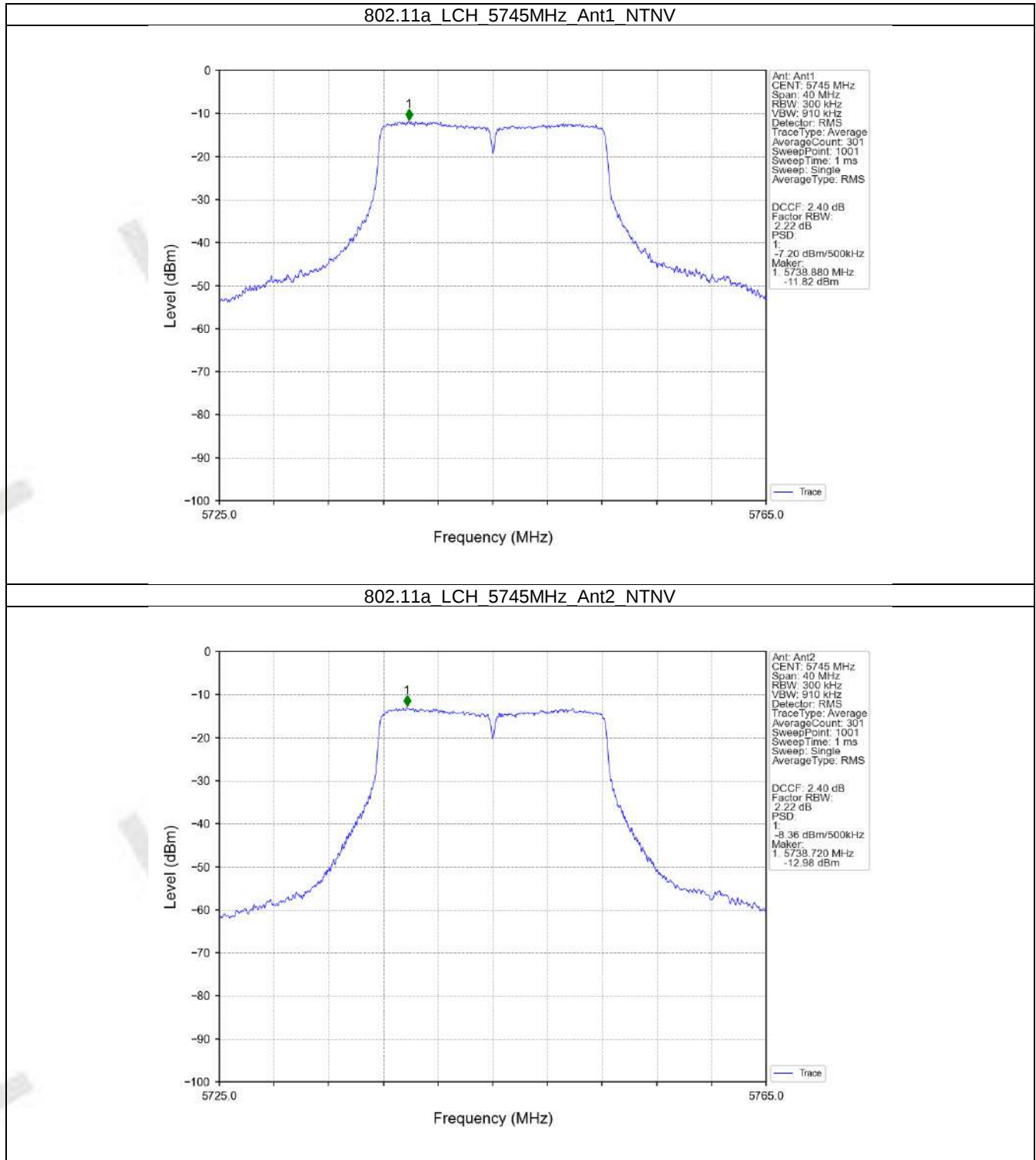
3.1 Test Result

3.1.1 PSD-Band3

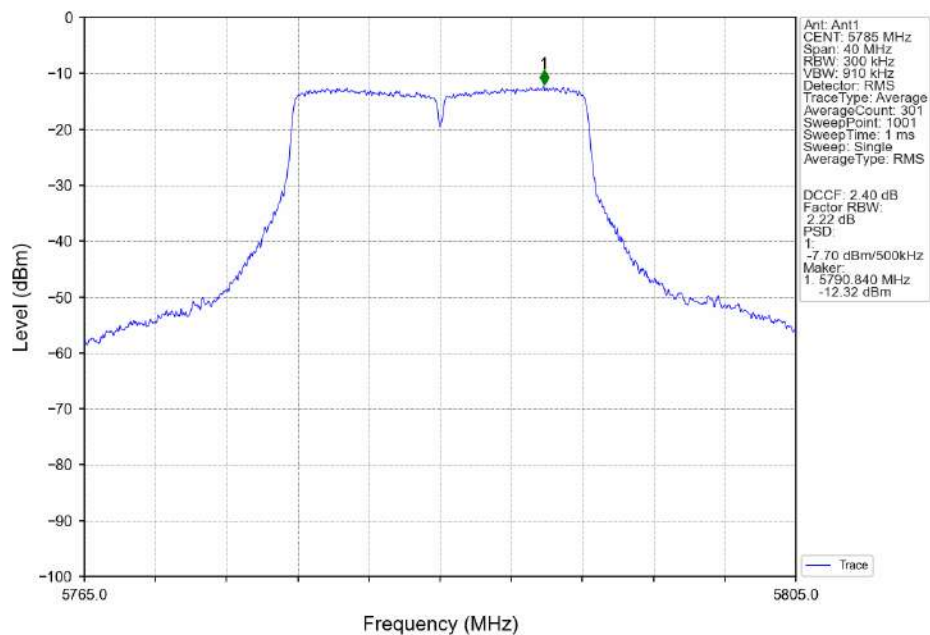
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Verdict
			ANT1	ANT2	Limit	
802.11a	SISO	5745	-7.20	-8.36	<=30	Pass
		5785	-7.70	-8.53	<=30	Pass
		5825	-8.17	-9.73	<=30	Pass
802.11n (HT20)	SISO	5745	-7.83	-8.76	<=30	Pass
		5785	-7.64	-9.20	<=30	Pass
		5825	-8.17	-9.65	<=30	Pass
802.11n (HT40)	SISO	5755	-10.00	-10.83	<=30	Pass
		5795	-9.89	-11.67	<=30	Pass
802.11ac (VHT20)	SISO	5745	-8.07	-8.82	<=30	Pass
		5785	-6.07	-8.98	<=30	Pass
		5825	-6.86	-9.78	<=30	Pass
802.11ac (VHT40)	SISO	5755	-10.83	-10.61	<=30	Pass
		5795	-10.00	-11.20	<=30	Pass
802.11ac (VHT80)	SISO	5775	-11.65	-12.08	<=30	Pass
Note1: Antenna Gain: Ant1: 1.26dBi; Ant2: 1.20dBi;						

3.2 Test Graph

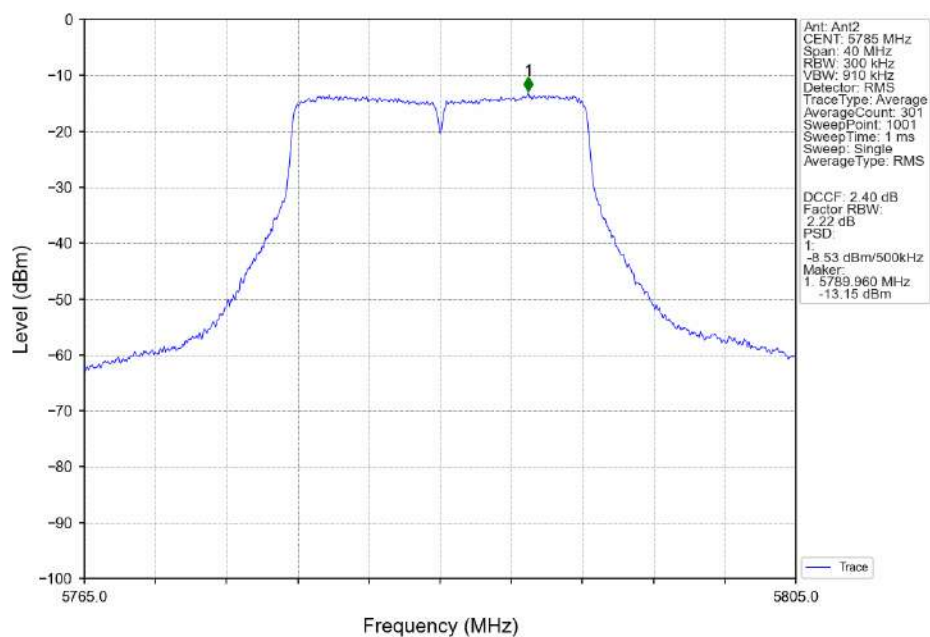
3.2.1 PSD-Band3



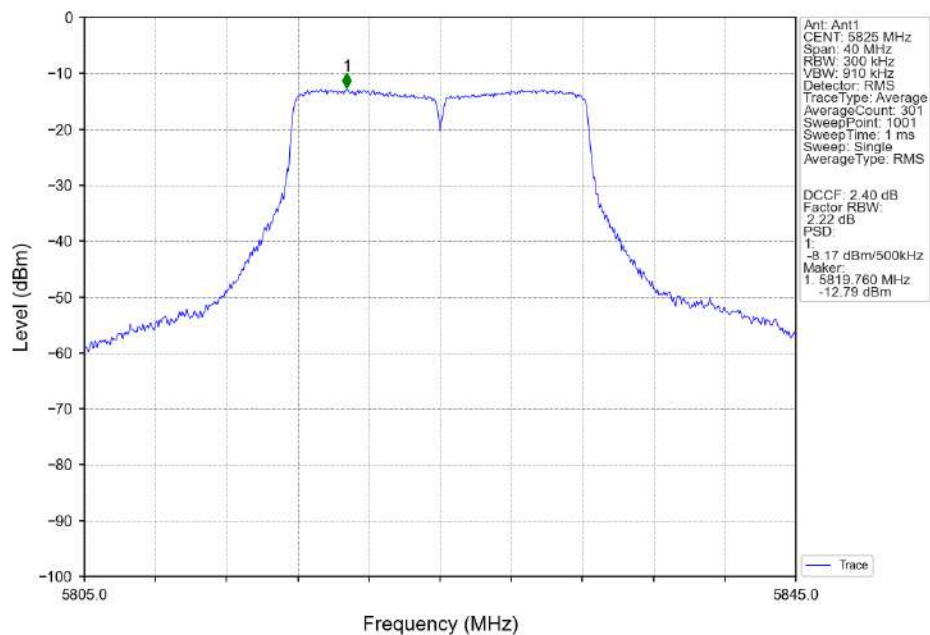
802.11a MCH 5785MHz Ant1 NTV



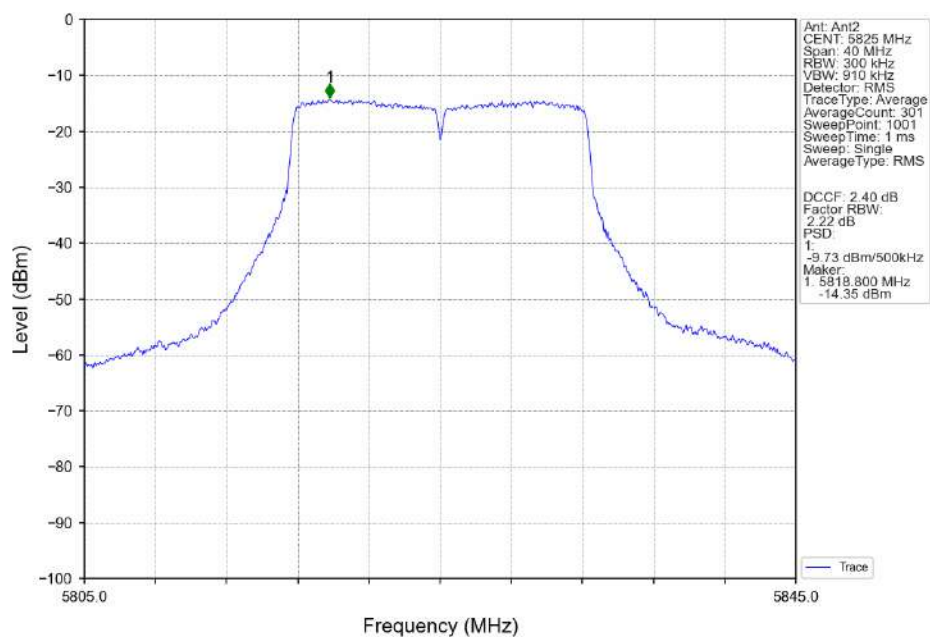
802.11a MCH 5785MHz Ant2 NTV



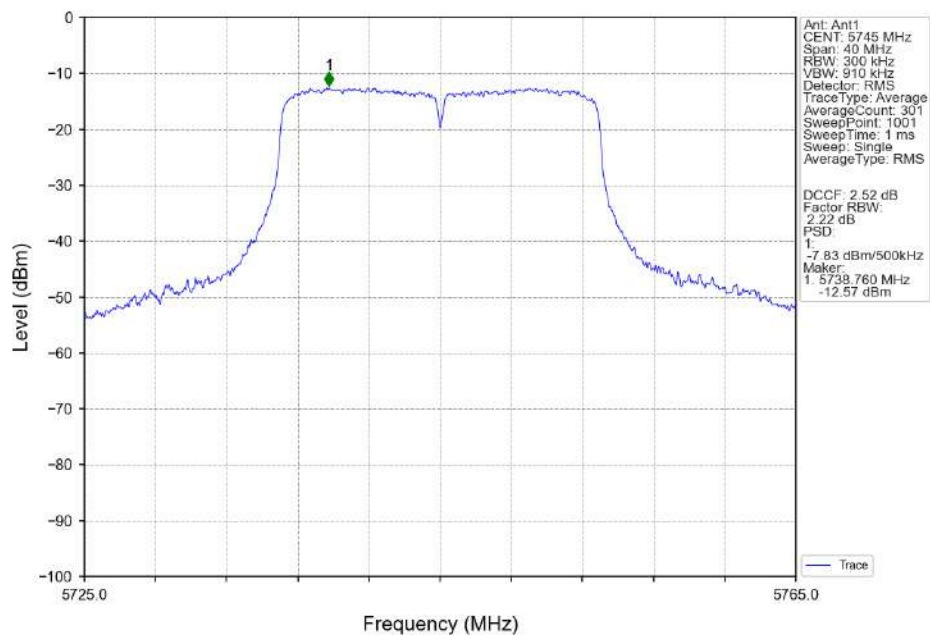
802.11a HCH 5825MHz Ant1 NTN



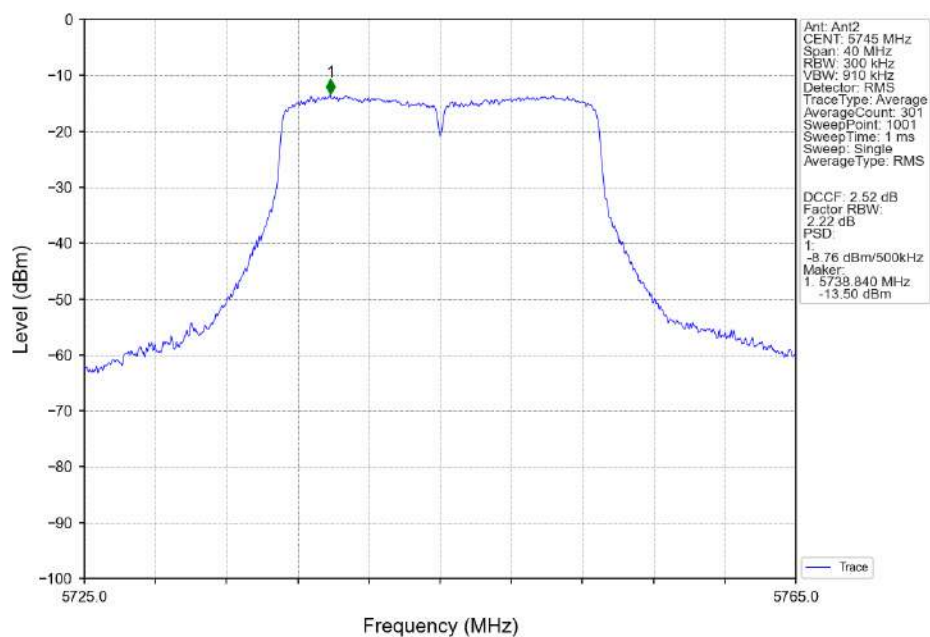
802.11a HCH 5825MHz Ant2 NTN



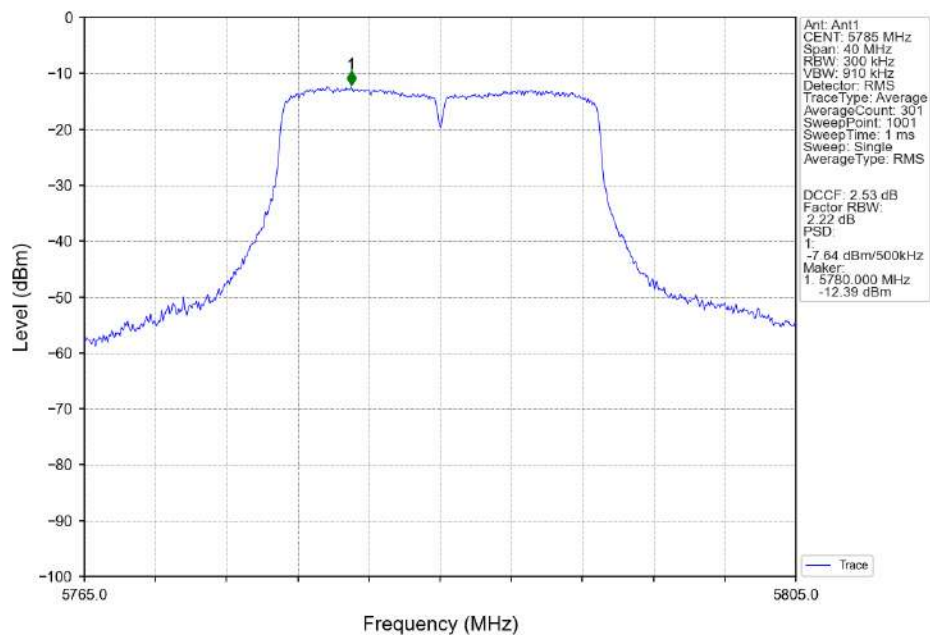
802.11n(HT20) LCH 5745MHz Ant1 NTN



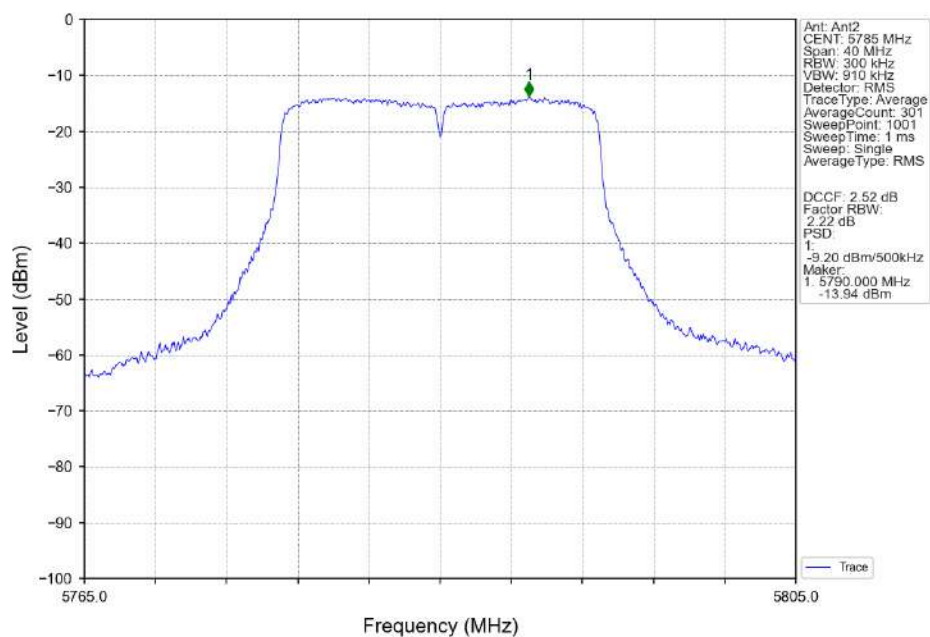
802.11n(HT20) LCH 5745MHz Ant2 NTN



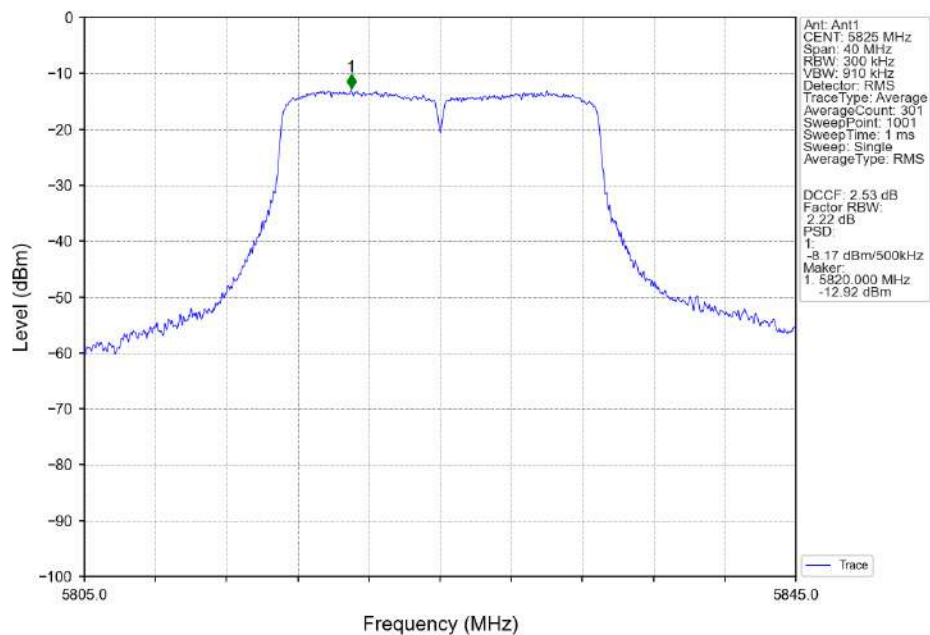
802.11n(HT20) MCH 5785MHz Ant1 NTN



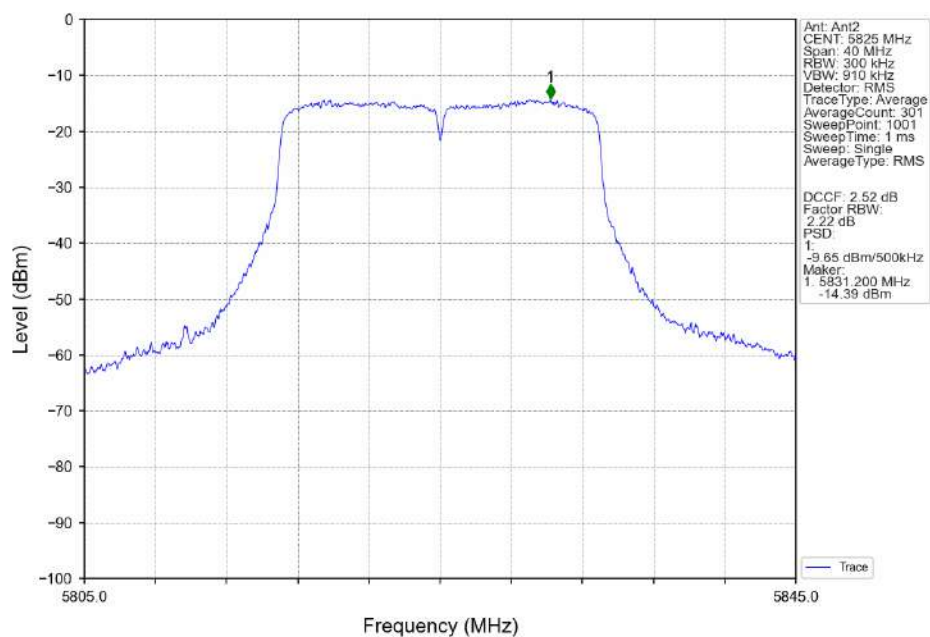
802.11n(HT20) MCH 5785MHz Ant2 NTN



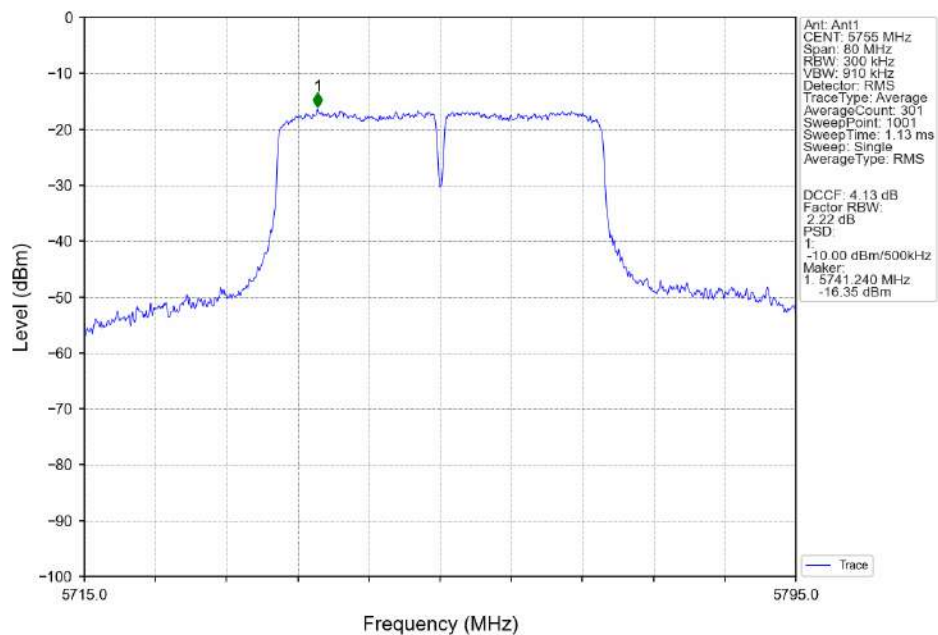
802.11n(HT20) HCH 5825MHz Ant1 NTN



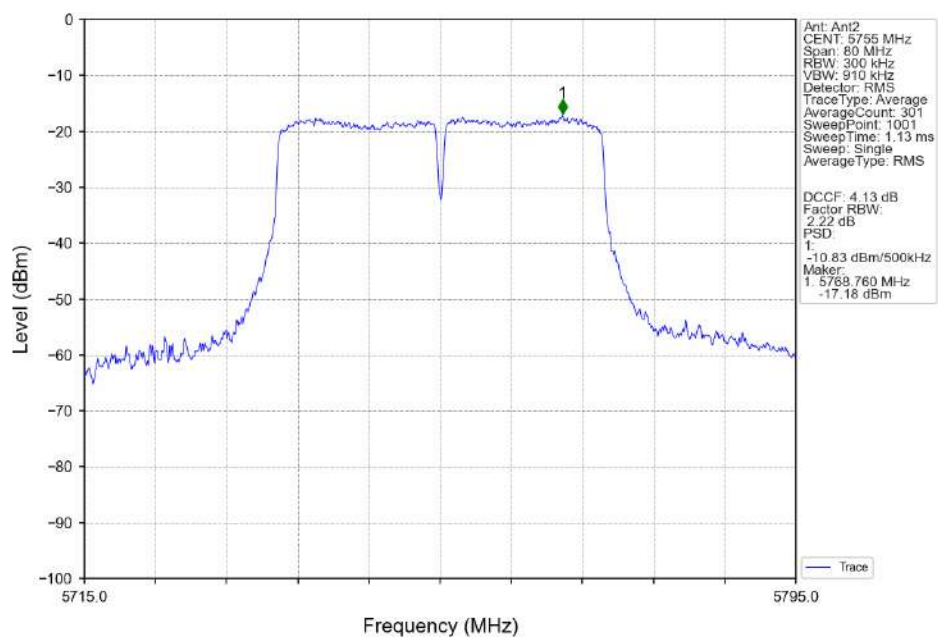
802.11n(HT20) HCH 5825MHz Ant2 NTN



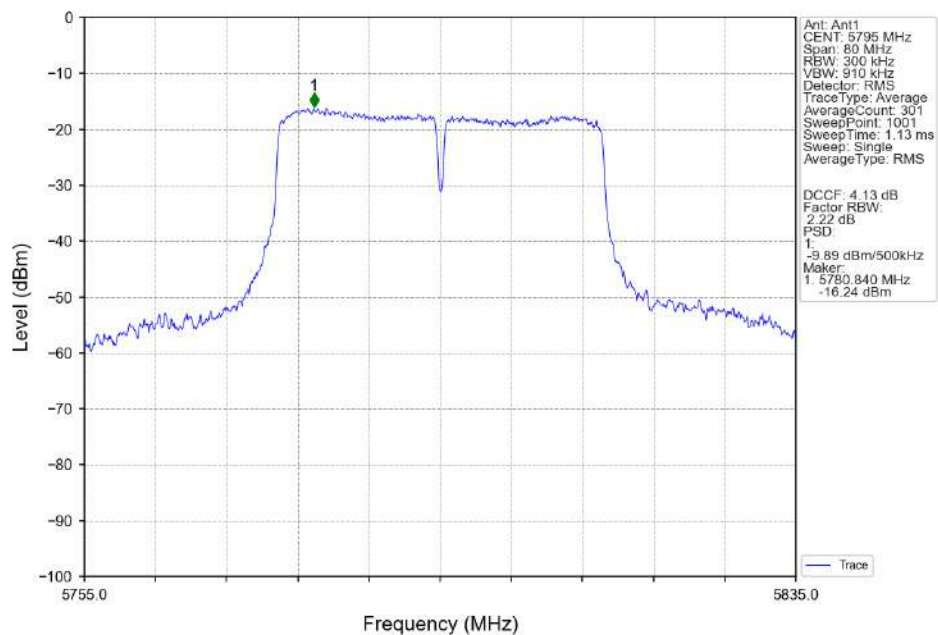
802.11n(HT40) LCH 5755MHz Ant1 NTN



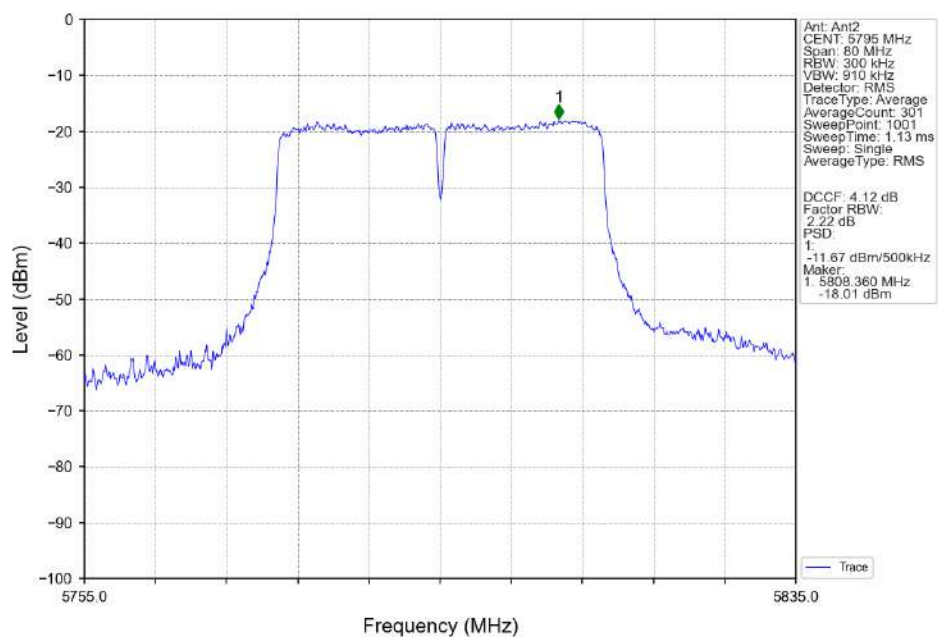
802.11n(HT40) LCH 5755MHz Ant2 NTN



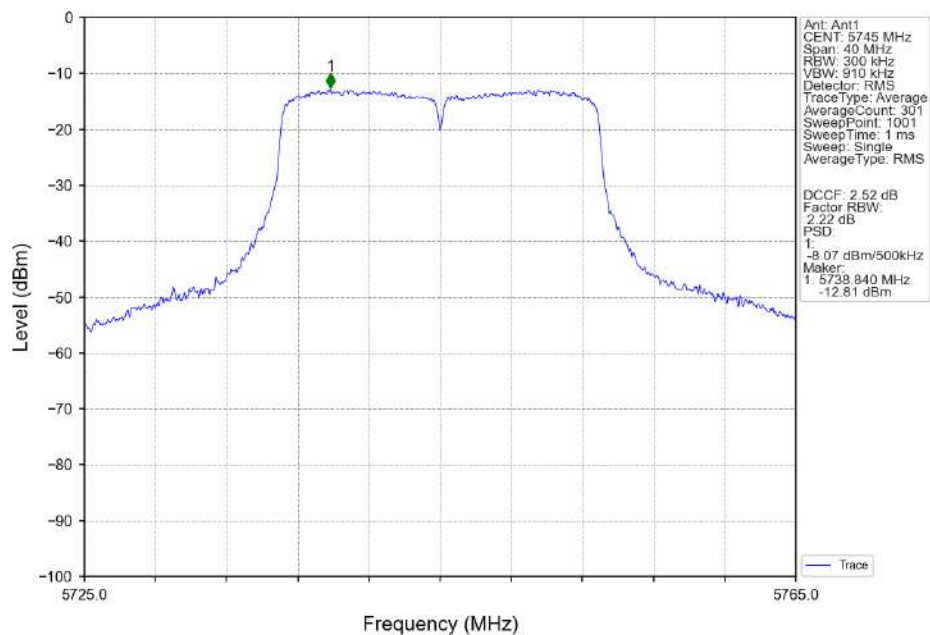
802.11n(HT40) HCH 5795MHz Ant1 NTN



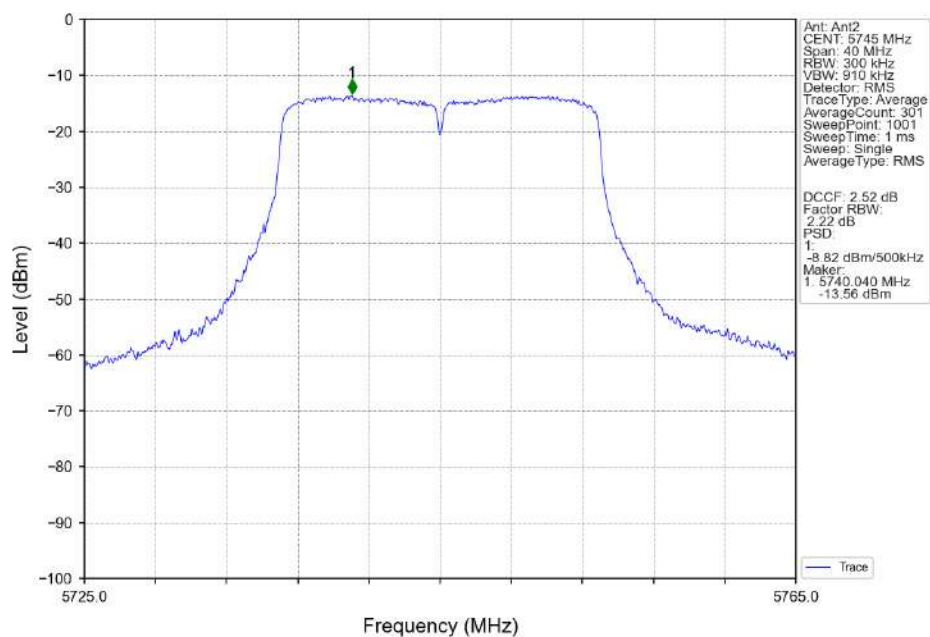
802.11n(HT40) HCH 5795MHz Ant2 NTN



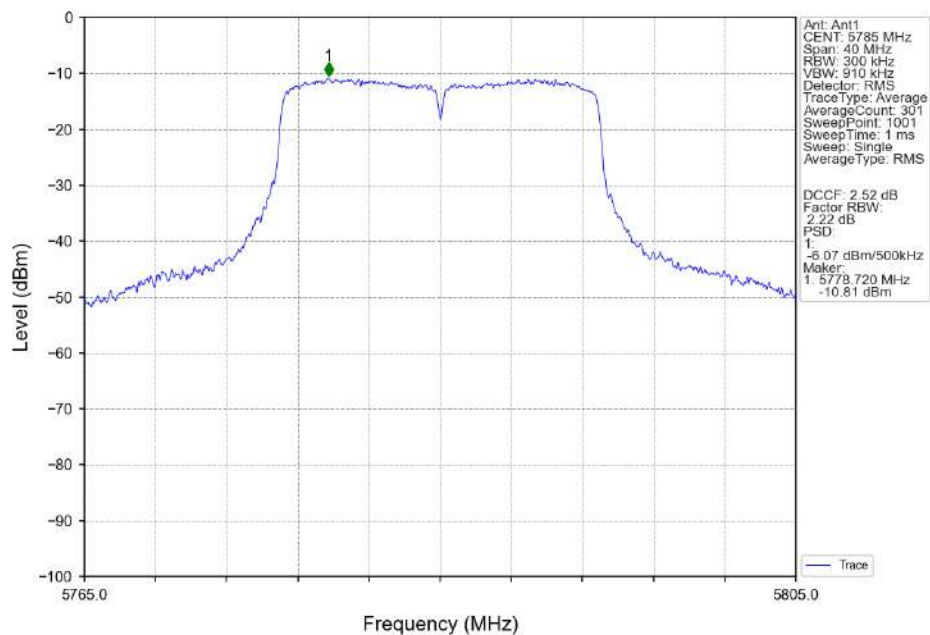
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



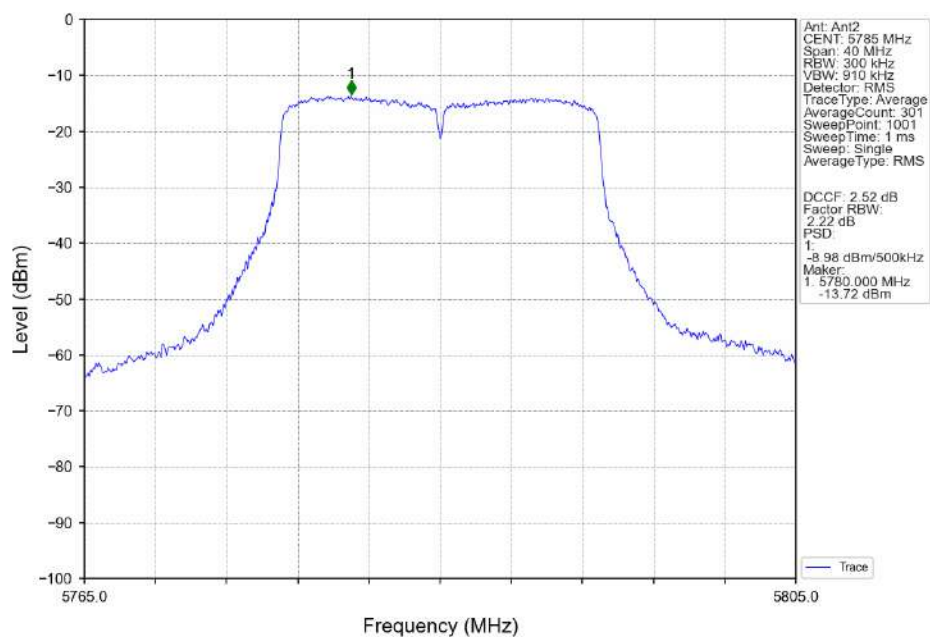
802.11ac(VHT20) LCH 5745MHz Ant2 NTN



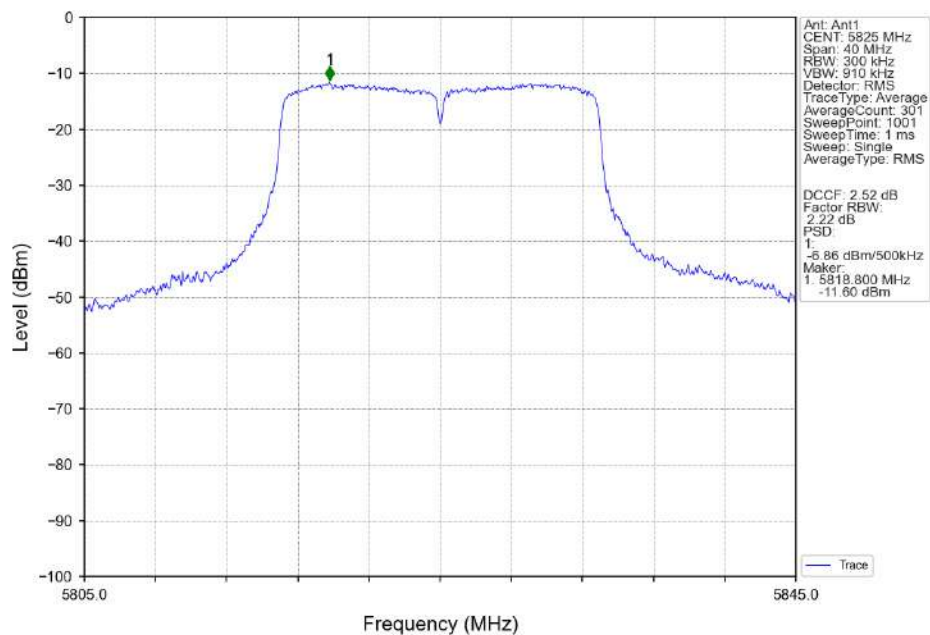
802.11ac(VHT20) MCH 5785MHz Ant1 NTV



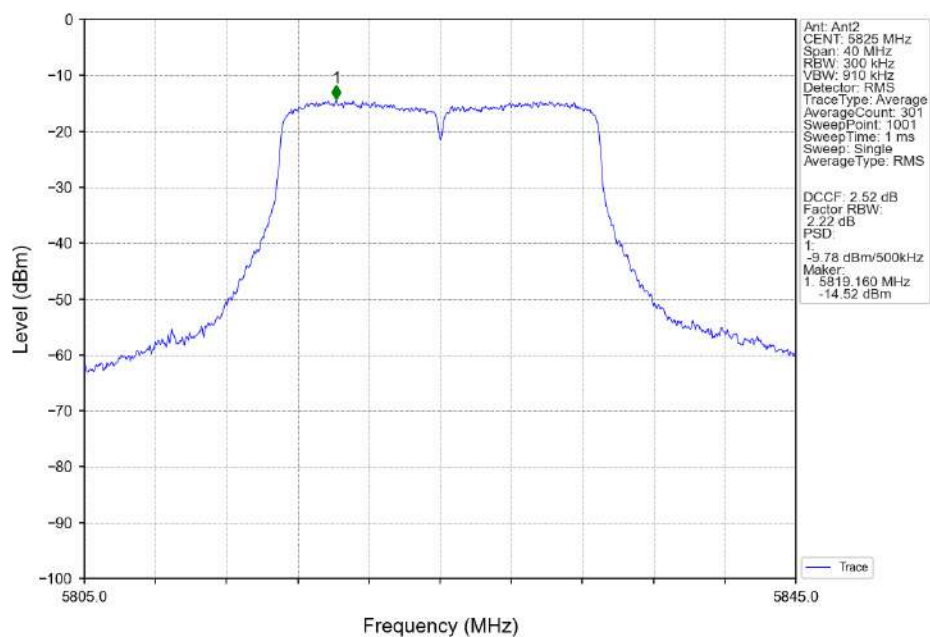
802.11ac(VHT20) MCH 5785MHz Ant2 NTV



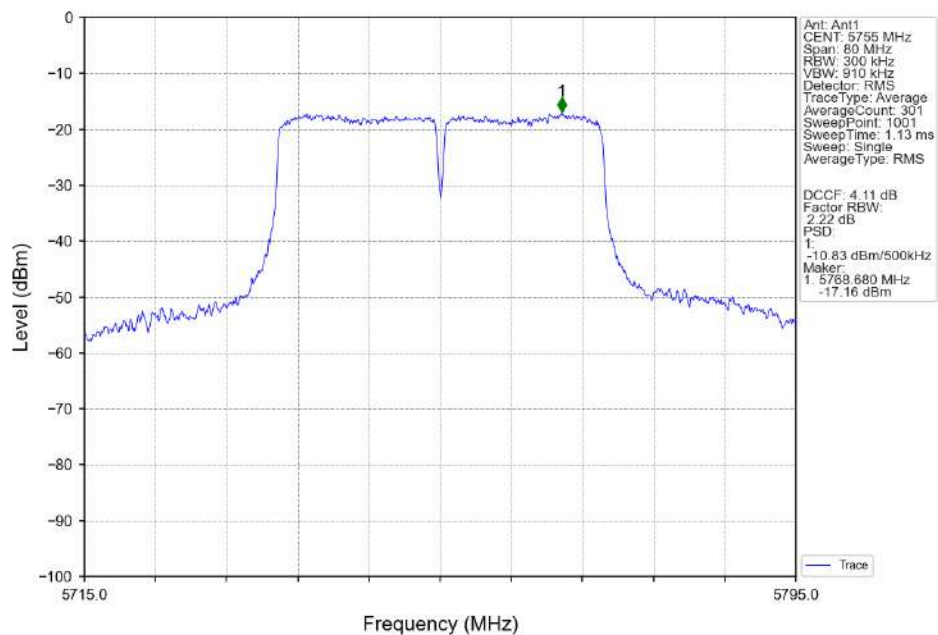
802.11ac(VHT20) HCH 5825MHz Ant1 NTV



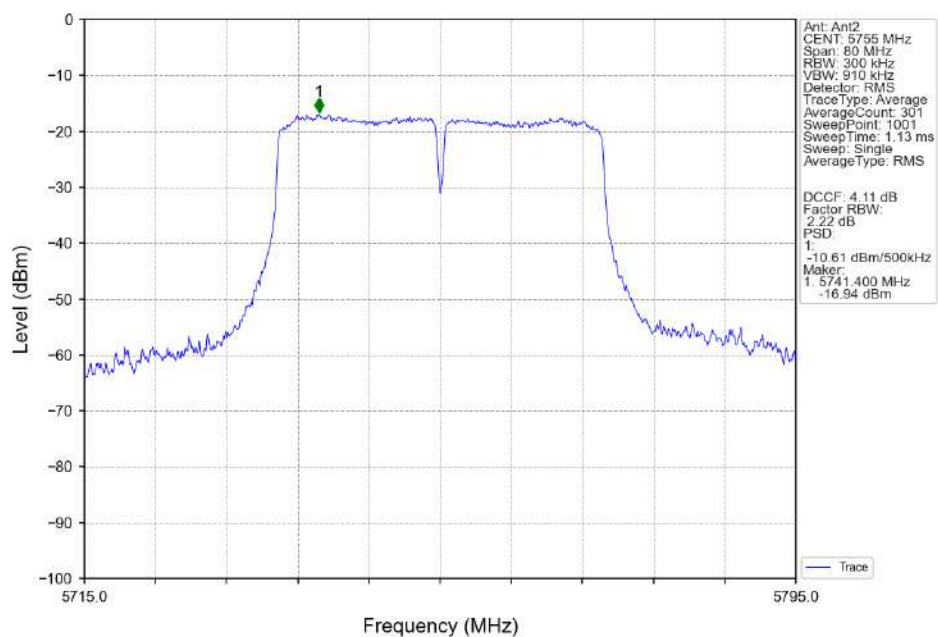
802.11ac(VHT20) HCH 5825MHz Ant2 NTV



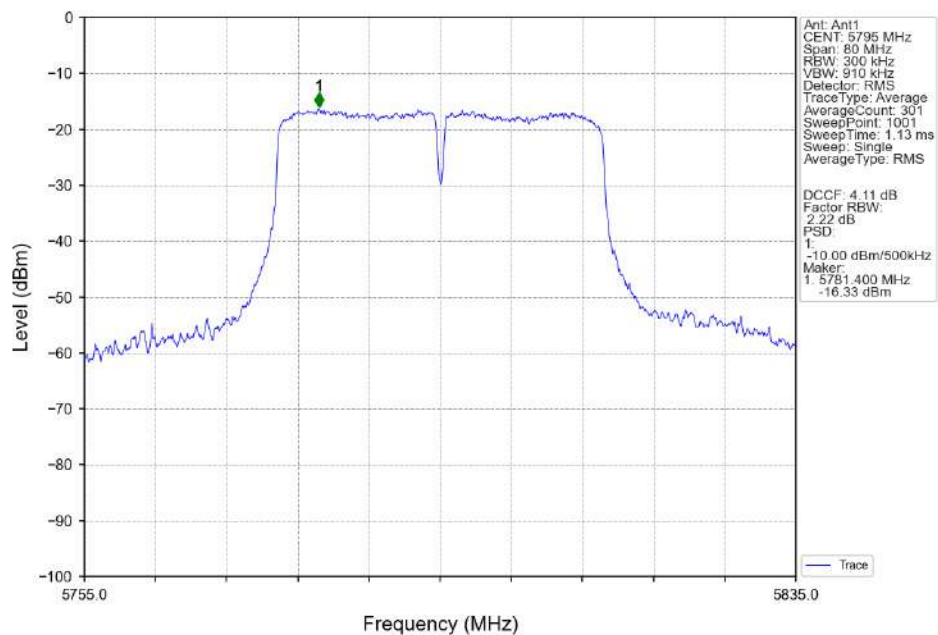
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



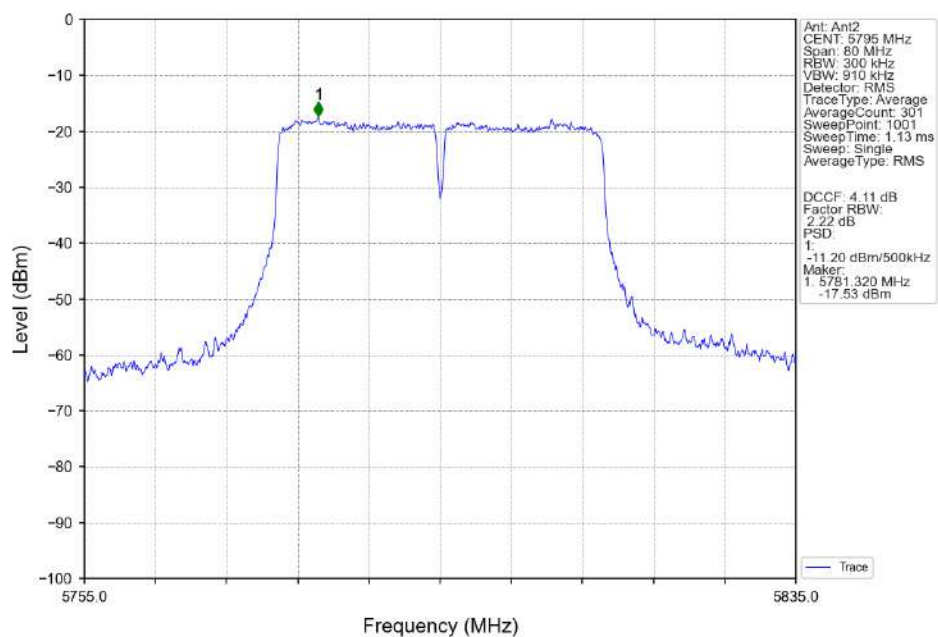
802.11ac(VHT40) LCH 5755MHz Ant2 NTN



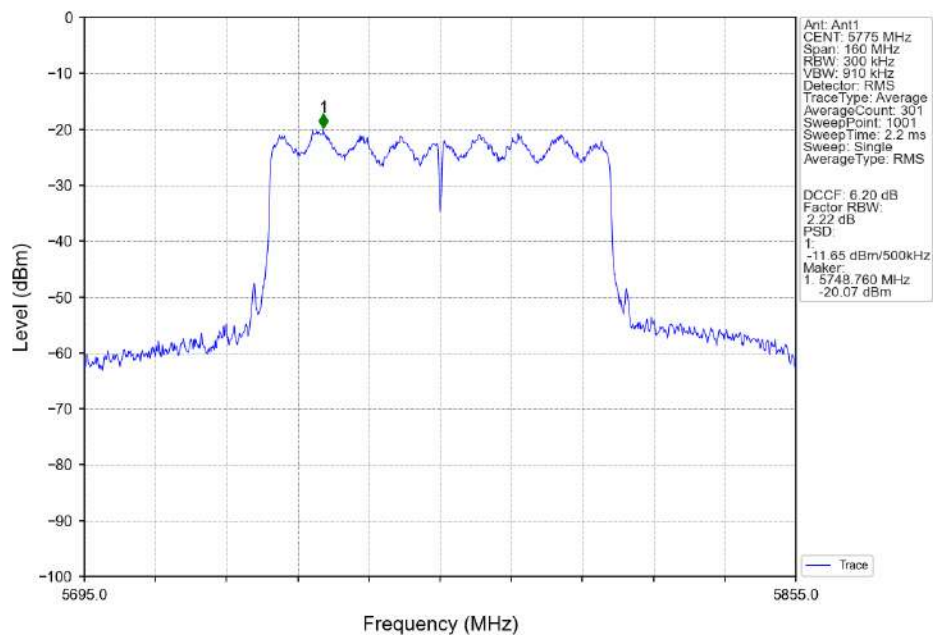
802.11ac(VHT40) HCH 5795MHz Ant1 NTV



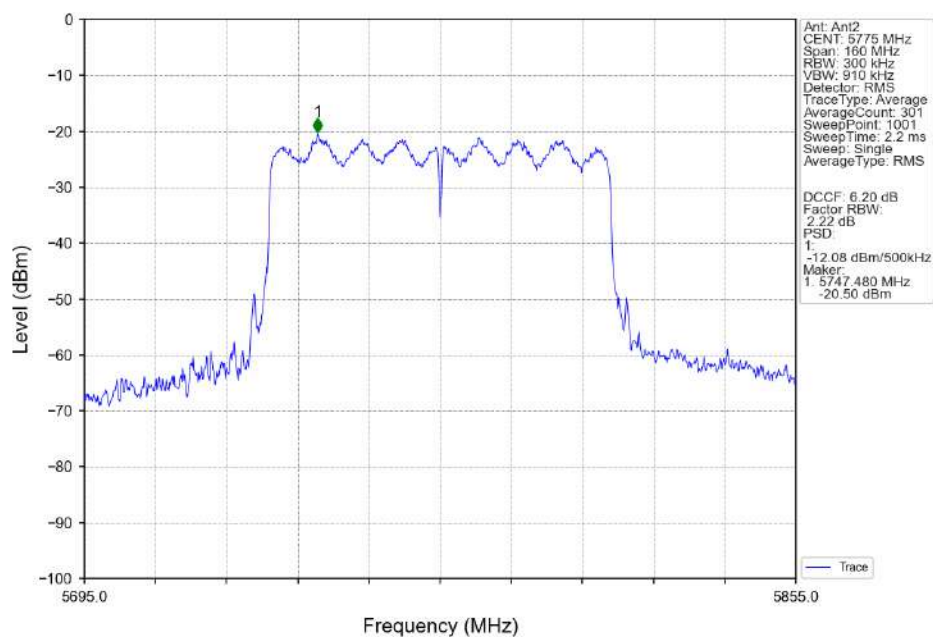
802.11ac(VHT40) HCH 5795MHz Ant2 NTV



802.11ac(VHT80) MCH 5775MHz Ant1 NTV



802.11ac(VHT80) MCH 5775MHz Ant2 NTV



4. Frequency Stability

4.1 Test Result

4.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5745	20	102	5744.988	5725 to 5850	Pass
				120	5744.988	5725 to 5850	Pass
				138	5744.988	5725 to 5850	Pass
			-30	120	5744.988	5725 to 5850	Pass
			-20	120	5744.988	5725 to 5850	Pass
			-10	120	5744.988	5725 to 5850	Pass
			0	120	5744.988	5725 to 5850	Pass
			10	120	5744.988	5725 to 5850	Pass
			30	120	5744.988	5725 to 5850	Pass
			40	120	5744.988	5725 to 5850	Pass
			50	120	5744.988	5725 to 5850	Pass
		5785	20	102	5784.988	5725 to 5850	Pass
				120	5784.988	5725 to 5850	Pass
				138	5784.987	5725 to 5850	Pass
			-30	120	5784.988	5725 to 5850	Pass
			-20	120	5784.987	5725 to 5850	Pass
			-10	120	5784.987	5725 to 5850	Pass
			0	120	5784.987	5725 to 5850	Pass
			10	120	5784.987	5725 to 5850	Pass
			30	120	5784.987	5725 to 5850	Pass
			40	120	5784.987	5725 to 5850	Pass
			50	120	5784.987	5725 to 5850	Pass
		5825	20	102	5824.988	5725 to 5850	Pass
				120	5824.988	5725 to 5850	Pass
				138	5824.988	5725 to 5850	Pass
			-30	120	5824.988	5725 to 5850	Pass
			-20	120	5824.988	5725 to 5850	Pass
			-10	120	5824.987	5725 to 5850	Pass
			0	120	5824.988	5725 to 5850	Pass
			10	120	5824.988	5725 to 5850	Pass
			30	120	5824.988	5725 to 5850	Pass
			40	120	5824.987	5725 to 5850	Pass
			50	120	5824.987	5725 to 5850	Pass
		5755	20	102	5754.987	5725 to 5850	Pass
				120	5754.987	5725 to 5850	Pass
				138	5754.987	5725 to 5850	Pass
			-30	120	5754.987	5725 to 5850	Pass
			-20	120	5754.987	5725 to 5850	Pass
			-10	120	5754.987	5725 to 5850	Pass
			0	120	5754.987	5725 to 5850	Pass
			10	120	5754.987	5725 to 5850	Pass
			30	120	5754.987	5725 to 5850	Pass
			40	120	5754.987	5725 to 5850	Pass
			50	120	5754.987	5725 to 5850	Pass
		5795	20	102	5794.987	5725 to 5850	Pass
				120	5794.987	5725 to 5850	Pass
				138	5794.987	5725 to 5850	Pass
			-30	120	5794.987	5725 to 5850	Pass
			-20	120	5794.988	5725 to 5850	Pass
			-10	120	5794.988	5725 to 5850	Pass

			0	120	5794.988	5725 to 5850	Pass
			10	120	5794.988	5725 to 5850	Pass
			30	120	5794.988	5725 to 5850	Pass
			40	120	5794.988	5725 to 5850	Pass
			50	120	5794.988	5725 to 5850	Pass
		5775	20	102	5774.988	5725 to 5850	Pass
				120	5774.988	5725 to 5850	Pass
				138	5774.988	5725 to 5850	Pass
			-30	120	5774.988	5725 to 5850	Pass
			-20	120	5774.988	5725 to 5850	Pass
			-10	120	5774.988	5725 to 5850	Pass
			0	120	5774.988	5725 to 5850	Pass
			10	120	5774.988	5725 to 5850	Pass
			30	120	5774.988	5725 to 5850	Pass
			40	120	5774.988	5725 to 5850	Pass
			50	120	5774.988	5725 to 5850	Pass

4.1.2 Ant2

Ant2							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5745	20	102	5745.004	5725 to 5850	Pass
				120	5745.004	5725 to 5850	Pass
				138	5745.004	5725 to 5850	Pass
			-30	120	5745.004	5725 to 5850	Pass
			-20	120	5745.004	5725 to 5850	Pass
			-10	120	5745.004	5725 to 5850	Pass
			0	120	5745.004	5725 to 5850	Pass
			10	120	5745.004	5725 to 5850	Pass
			30	120	5745.004	5725 to 5850	Pass
			40	120	5745.004	5725 to 5850	Pass
			50	120	5745.004	5725 to 5850	Pass
		5785	20	102	5785.004	5725 to 5850	Pass
				120	5785.004	5725 to 5850	Pass
				138	5785.004	5725 to 5850	Pass
			-30	120	5785.004	5725 to 5850	Pass
			-20	120	5785.004	5725 to 5850	Pass
			-10	120	5785.004	5725 to 5850	Pass
			0	120	5785.004	5725 to 5850	Pass
			10	120	5785.004	5725 to 5850	Pass
			30	120	5785.004	5725 to 5850	Pass
			40	120	5785.004	5725 to 5850	Pass
			50	120	5785.004	5725 to 5850	Pass
		5825	20	102	5825.004	5725 to 5850	Pass
				120	5825.004	5725 to 5850	Pass
				138	5825.004	5725 to 5850	Pass
			-30	120	5825.004	5725 to 5850	Pass
			-20	120	5825.004	5725 to 5850	Pass
			-10	120	5825.004	5725 to 5850	Pass
			0	120	5825.004	5725 to 5850	Pass
			10	120	5825.004	5725 to 5850	Pass
			30	120	5825.004	5725 to 5850	Pass
			40	120	5825.004	5725 to 5850	Pass
			50	120	5825.004	5725 to 5850	Pass
		5755	20	102	5755.004	5725 to 5850	Pass
				120	5755.004	5725 to 5850	Pass
				138	5755.004	5725 to 5850	Pass

			-30	120	5755.004	5725 to 5850	Pass
			-20	120	5755.004	5725 to 5850	Pass
			-10	120	5755.004	5725 to 5850	Pass
			0	120	5755.004	5725 to 5850	Pass
			10	120	5755.004	5725 to 5850	Pass
			30	120	5755.004	5725 to 5850	Pass
			40	120	5755.004	5725 to 5850	Pass
			50	120	5755.004	5725 to 5850	Pass
		5795	20	102	5795.004	5725 to 5850	Pass
				120	5795.004	5725 to 5850	Pass
				138	5795.004	5725 to 5850	Pass
			-30	120	5795.004	5725 to 5850	Pass
			-20	120	5795.004	5725 to 5850	Pass
			-10	120	5795.004	5725 to 5850	Pass
			0	120	5795.004	5725 to 5850	Pass
			10	120	5795.004	5725 to 5850	Pass
			30	120	5795.004	5725 to 5850	Pass
			40	120	5795.004	5725 to 5850	Pass
			50	120	5795.004	5725 to 5850	Pass
		5775	20	102	5775.004	5725 to 5850	Pass
				120	5775.004	5725 to 5850	Pass
				138	5775.004	5725 to 5850	Pass
			-30	120	5775.004	5725 to 5850	Pass
			-20	120	5775.004	5725 to 5850	Pass
			-10	120	5775.004	5725 to 5850	Pass
			0	120	5775.004	5725 to 5850	Pass
			10	120	5775.004	5725 to 5850	Pass
			30	120	5775.004	5725 to 5850	Pass
			40	120	5775.004	5725 to 5850	Pass
			50	120	5775.004	5725 to 5850	Pass