

1. Duty Cycle

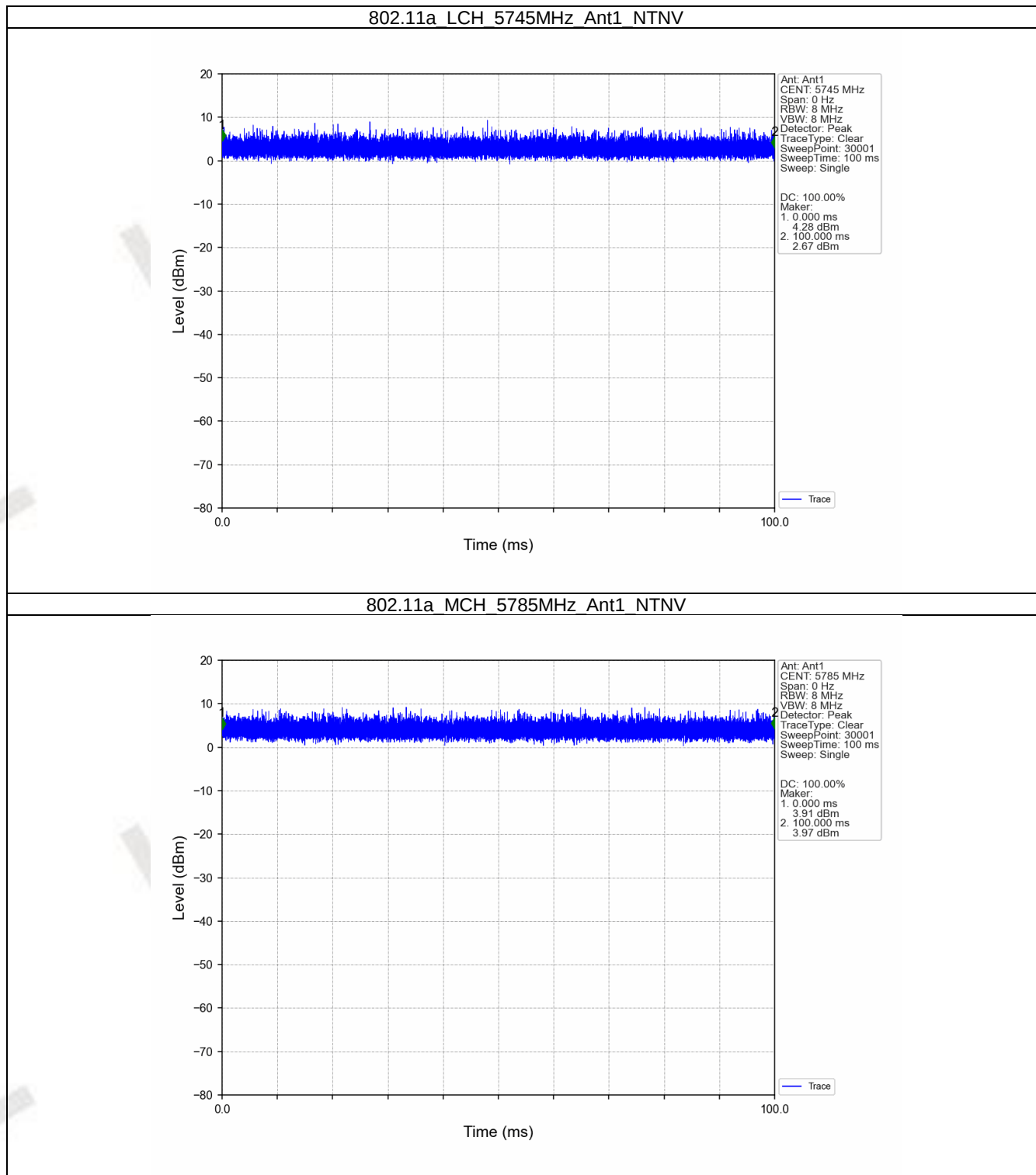
1.1 Test Result

1.1.1 Ant1

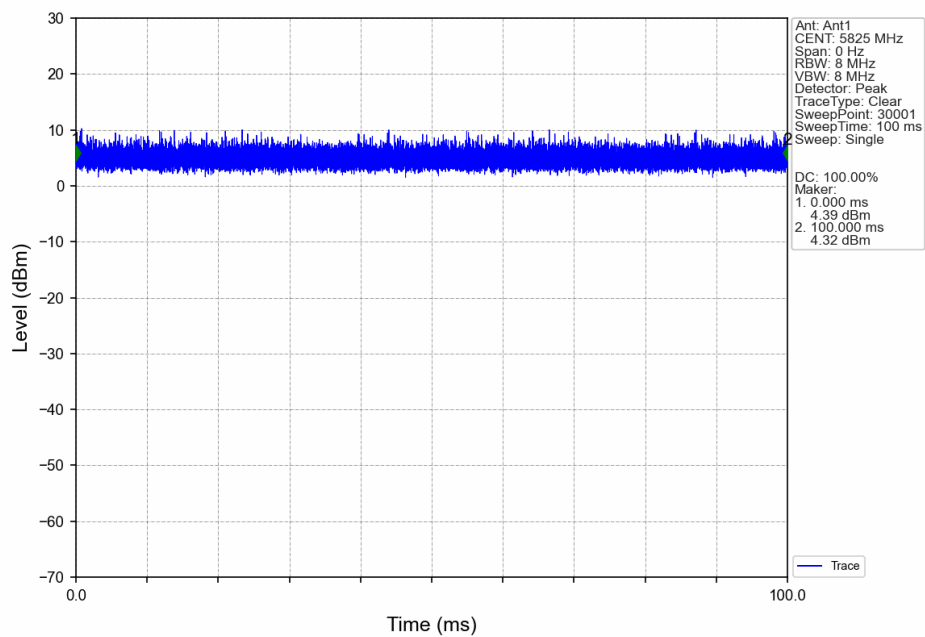
Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
		5825	100.000	100.000	100.00	0.00	0.00
802.11n (HT20)	SISO	5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
		5825	100.000	100.000	100.00	0.00	0.00
802.11n (HT40)	SISO	5755	100.000	100.000	100.00	0.00	0.00
		5795	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT20)	SISO	5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
		5825	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT40)	SISO	5755	100.000	100.000	100.00	0.00	0.00
		5795	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT80)	SISO	5775	100.000	100.000	100.00	0.00	0.00

1.2 Test Graph

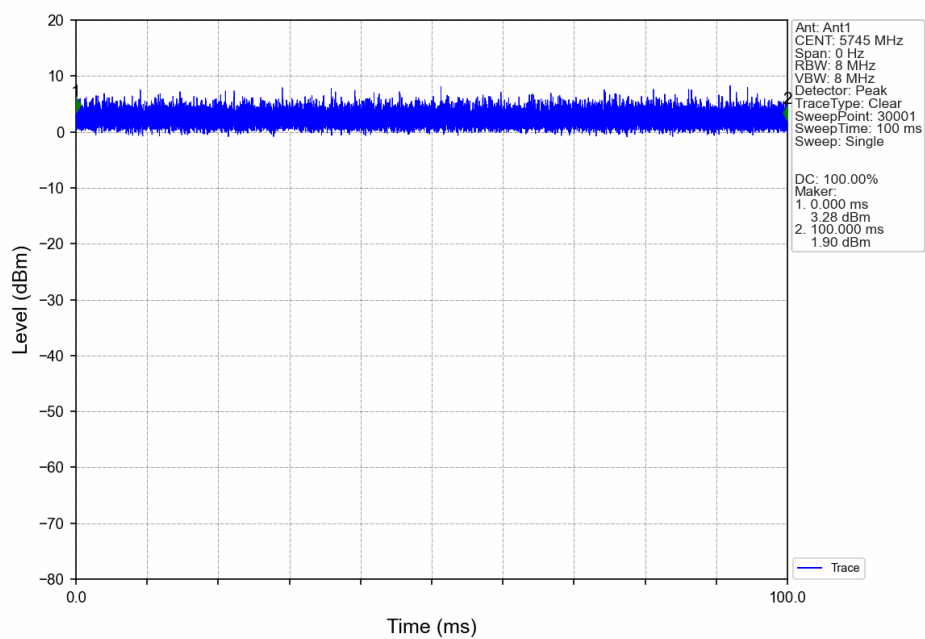
1.2.1 Ant1



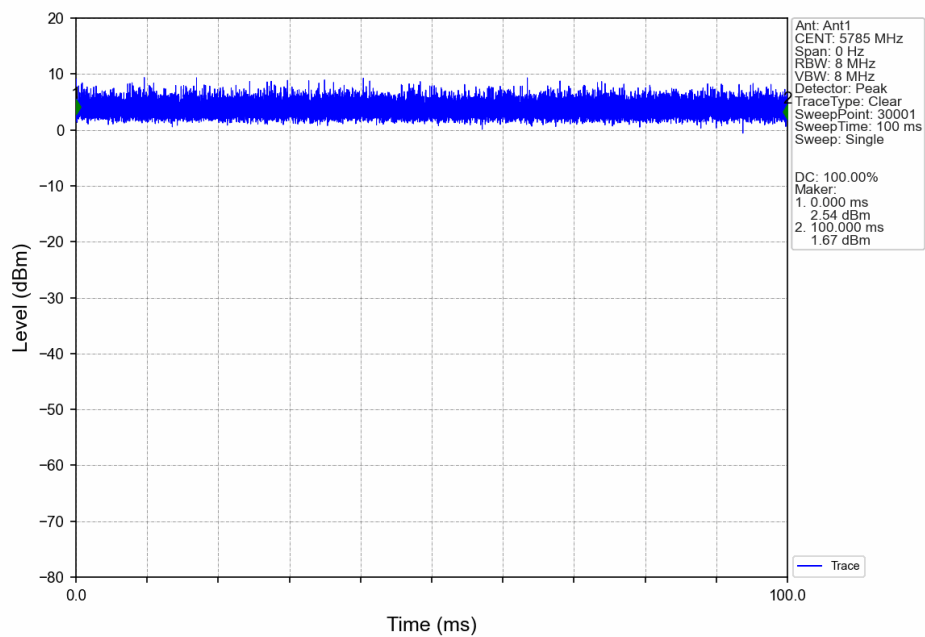
802.11a_HCH_5825MHz_Ant1_NTNV



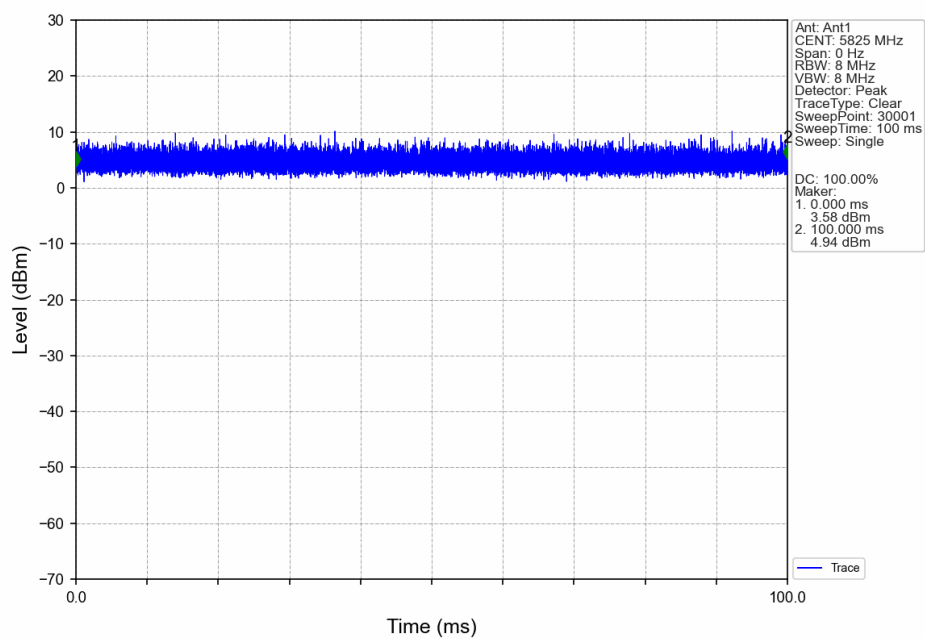
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



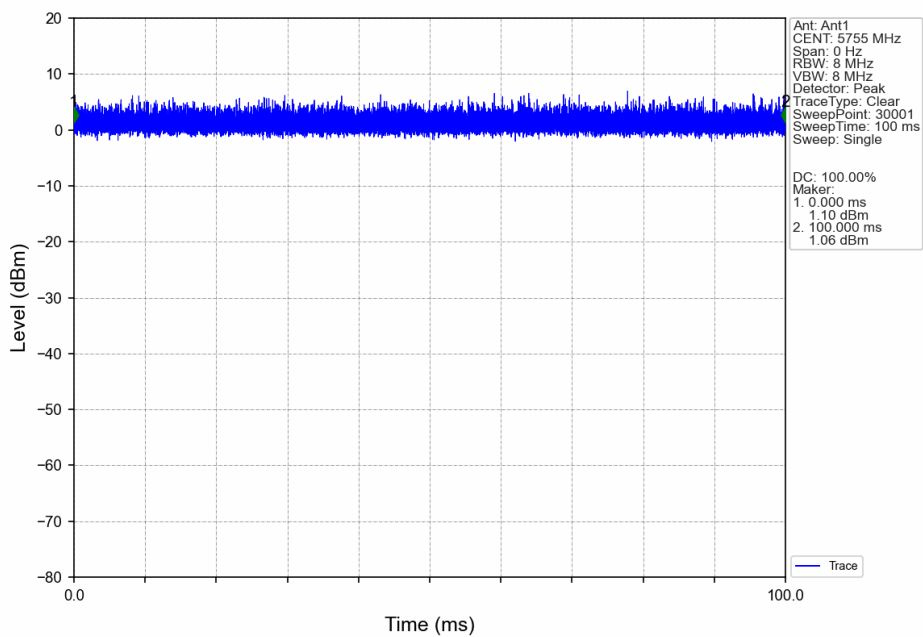
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



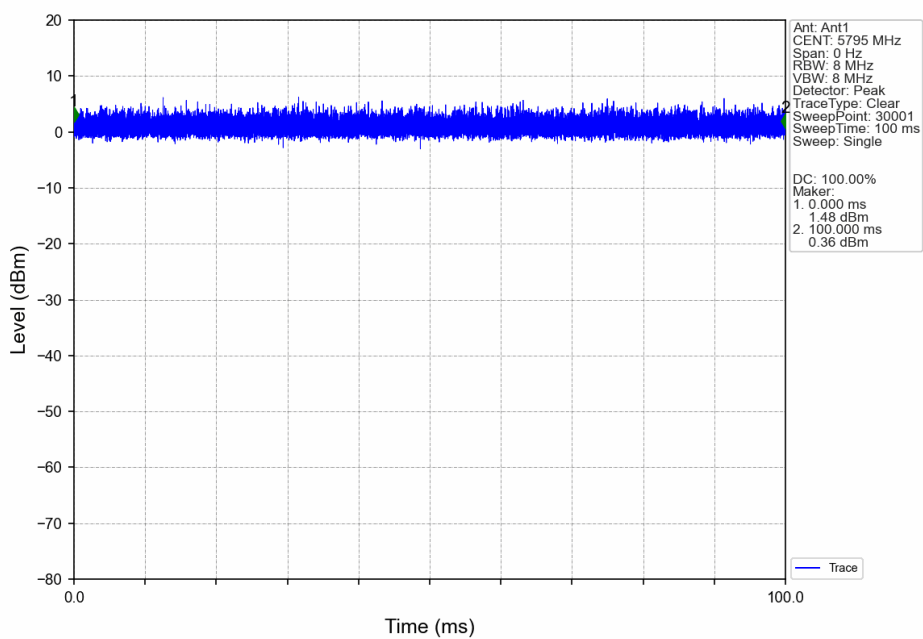
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



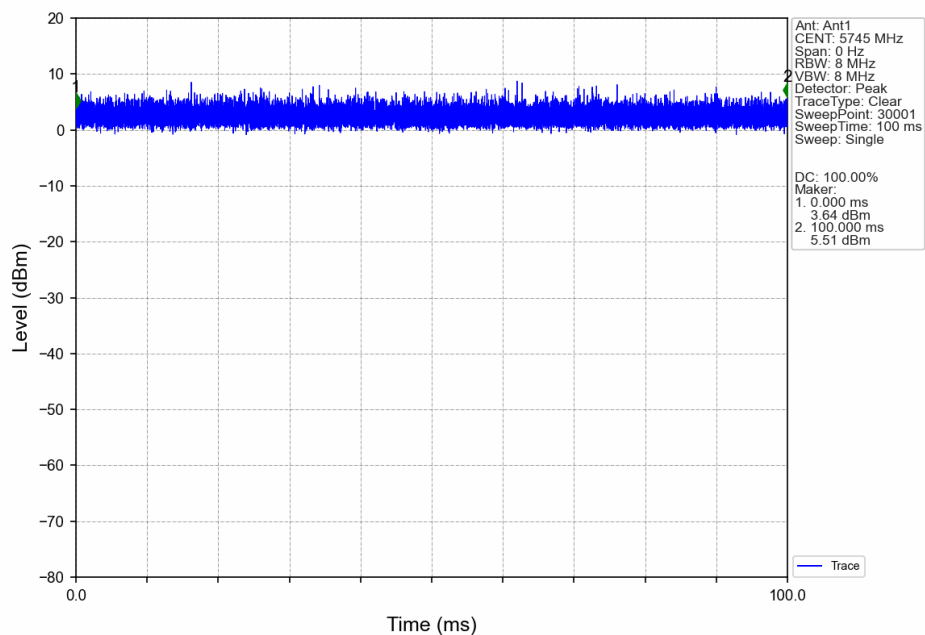
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



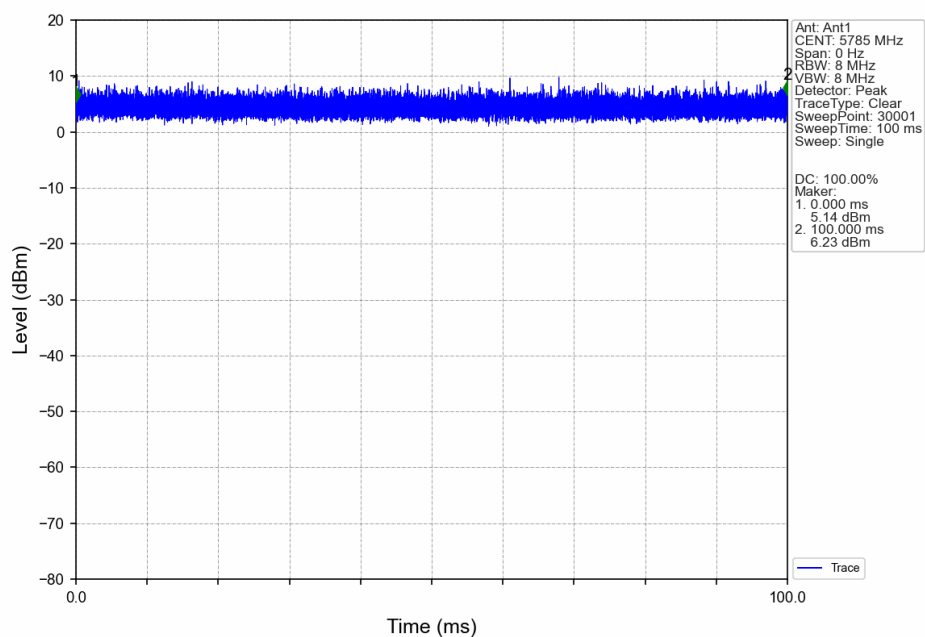
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



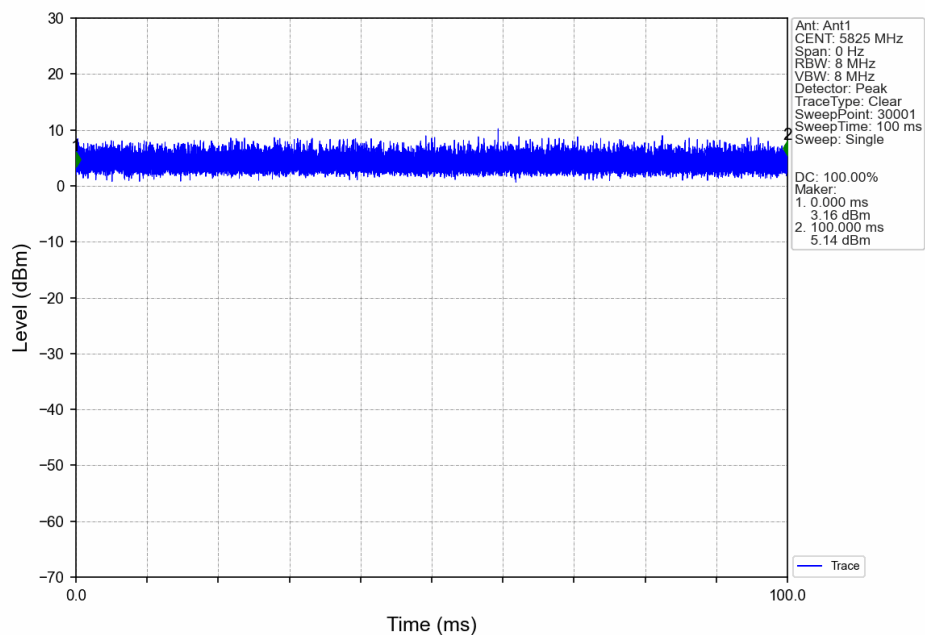
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



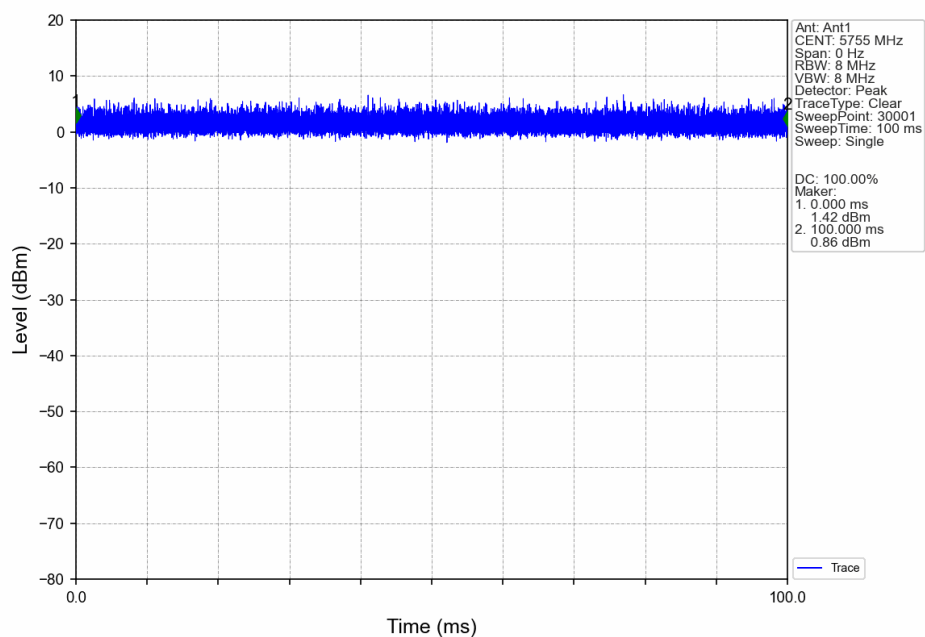
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



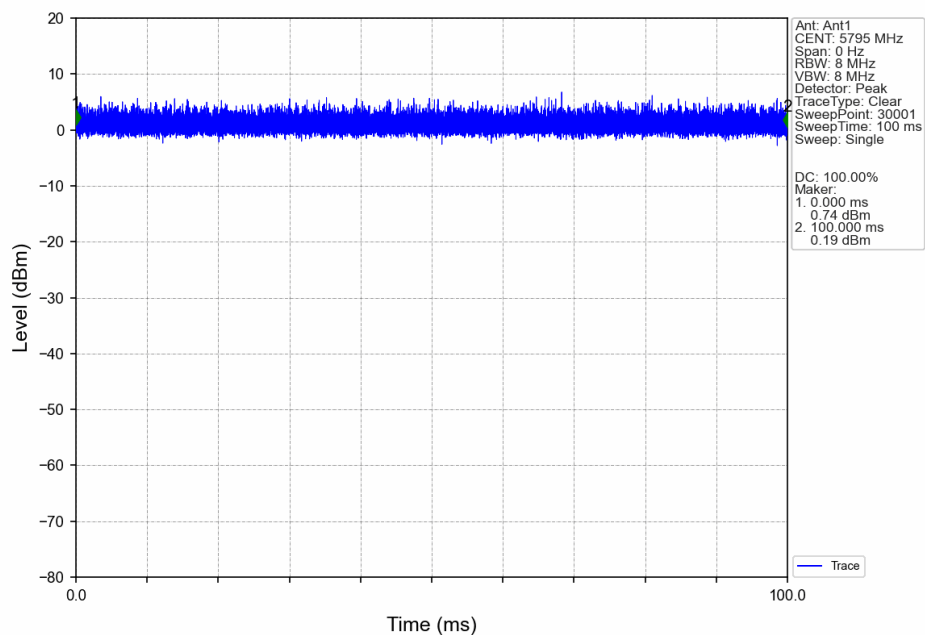
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



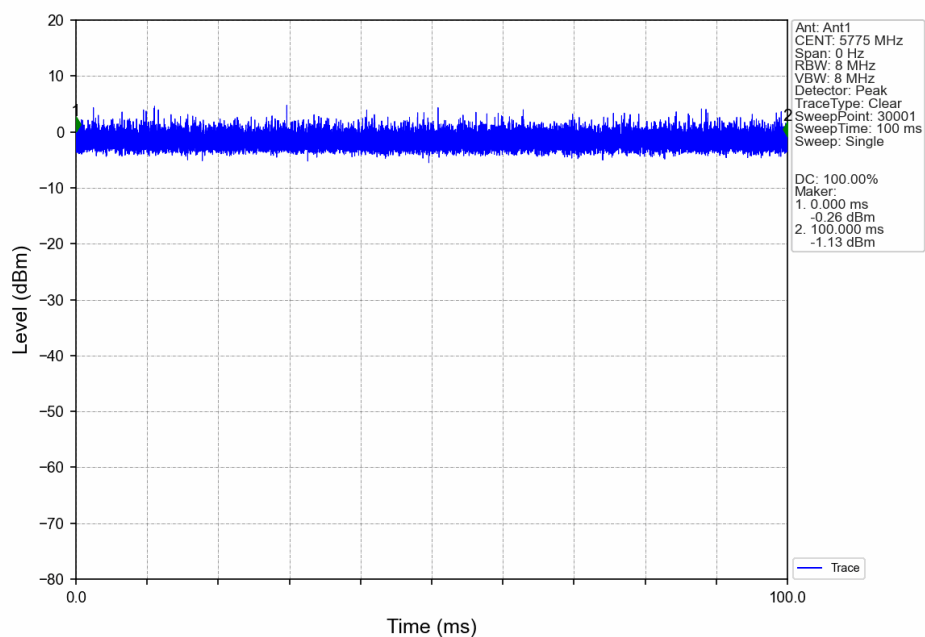
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

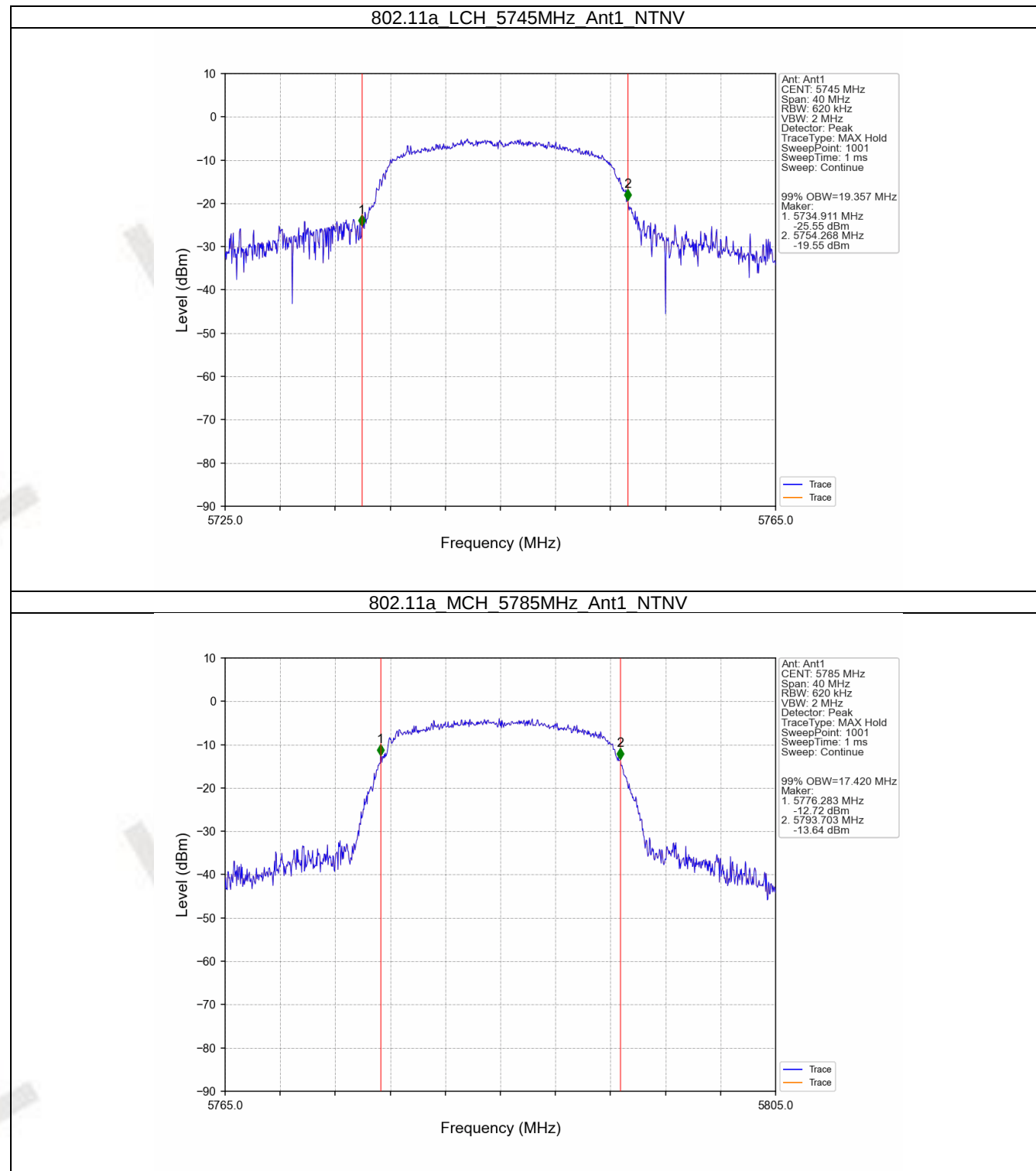
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	19.357	/	Pass
		5785	1	17.420	/	Pass
		5825	1	17.484	/	Pass
802.11n (HT20)	SISO	5745	1	19.573	/	Pass
		5785	1	18.273	/	Pass
		5825	1	18.268	/	Pass
802.11n (HT40)	SISO	5755	1	39.799	/	Pass
		5795	1	36.567	/	Pass
802.11ac (VHT20)	SISO	5745	1	19.343	/	Pass
		5785	1	18.289	/	Pass
		5825	1	18.211	/	Pass
802.11ac (VHT40)	SISO	5755	1	39.943	/	Pass
		5795	1	36.674	/	Pass
802.11ac (VHT80)	SISO	5775	1	75.607	/	Pass

2.1.2 6dB BW

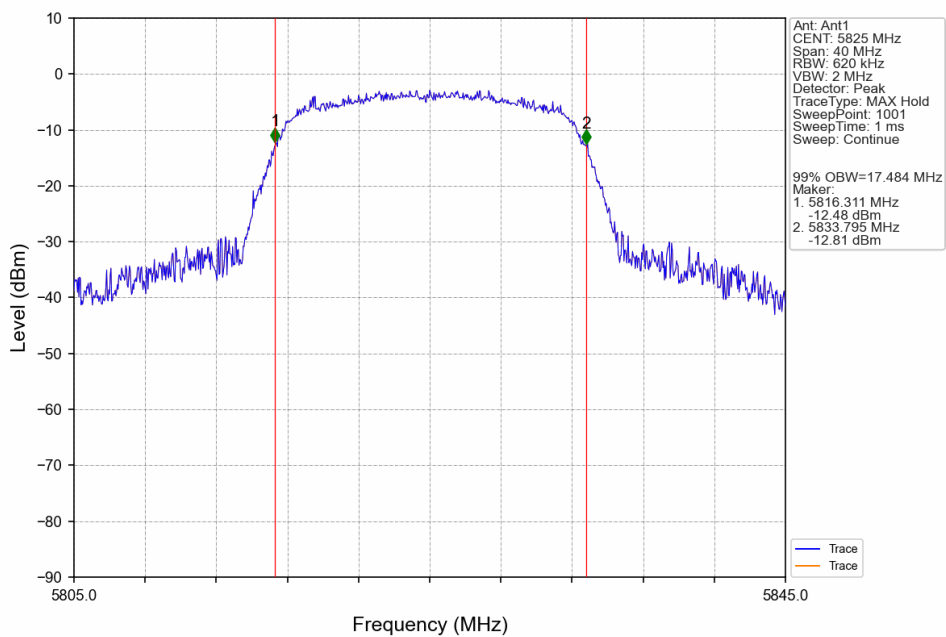
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.407	≥ 0.5	Pass
		5785	1	16.344	≥ 0.5	Pass
		5825	1	16.336	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	17.596	≥ 0.5	Pass
		5785	1	17.597	≥ 0.5	Pass
		5825	1	17.610	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	36.351	≥ 0.5	Pass
		5795	1	36.326	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.607	≥ 0.5	Pass
		5785	1	17.619	≥ 0.5	Pass
		5825	1	17.607	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	1	36.325	≥ 0.5	Pass
		5795	1	36.128	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	1	76.074	≥ 0.5	Pass

2.2 Test Graph

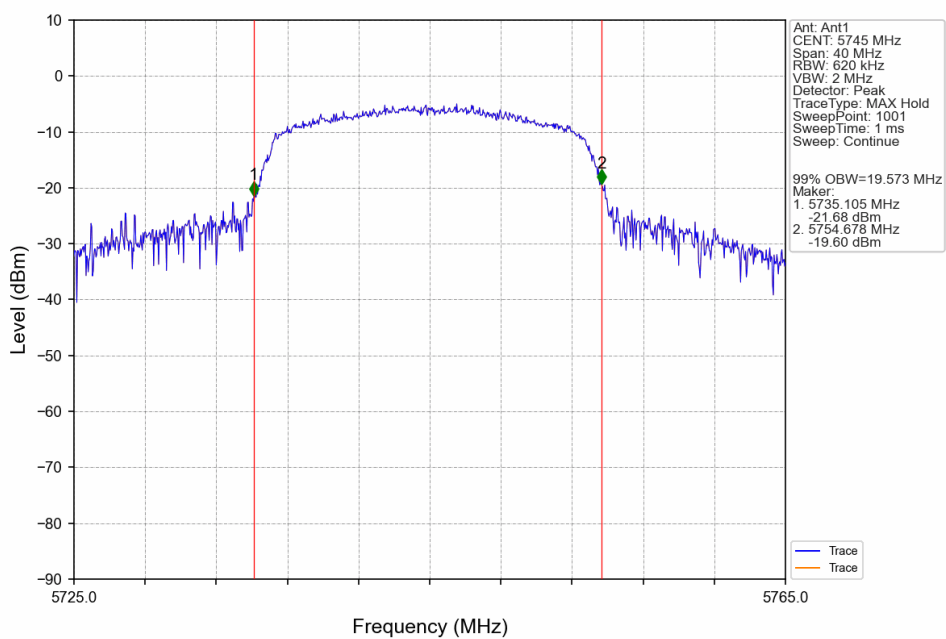
2.2.1 OBW



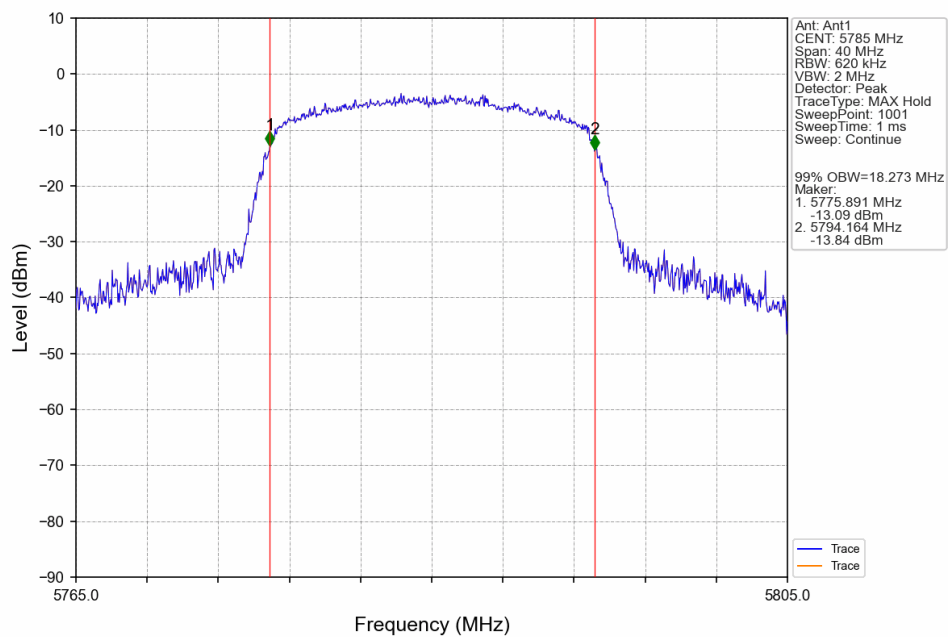
802.11a_HCH_5825MHz_Ant1_NTNV



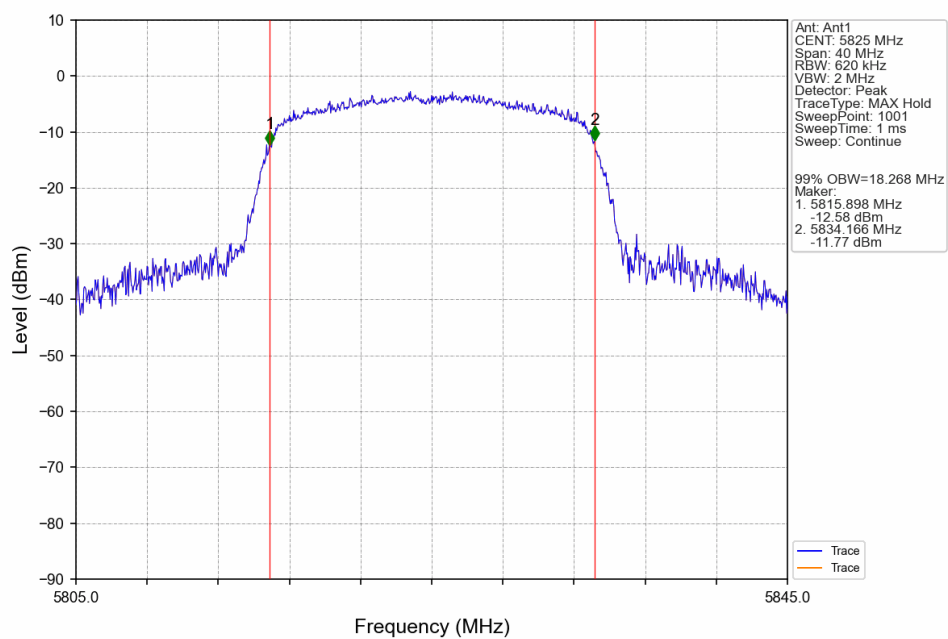
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



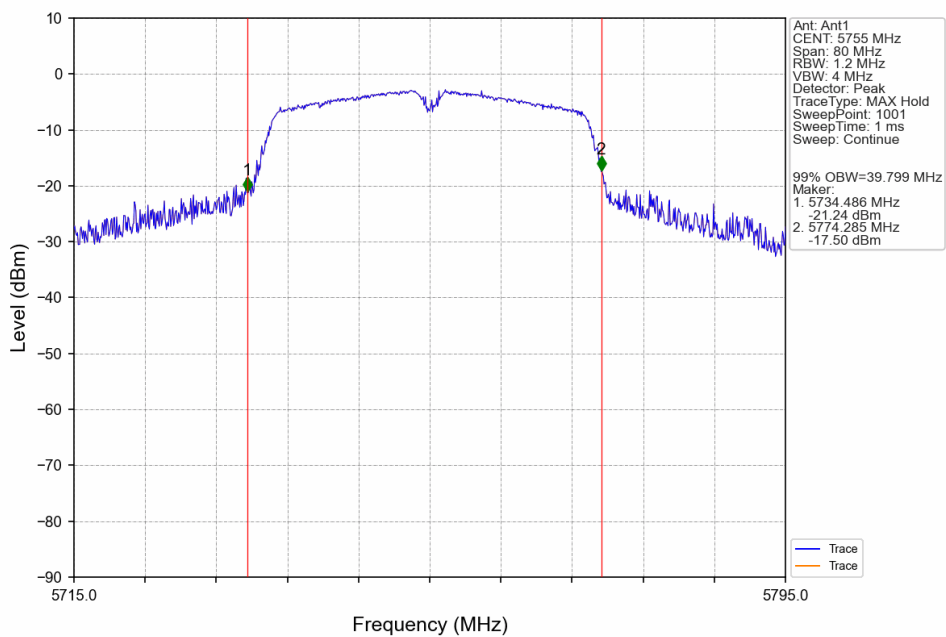
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



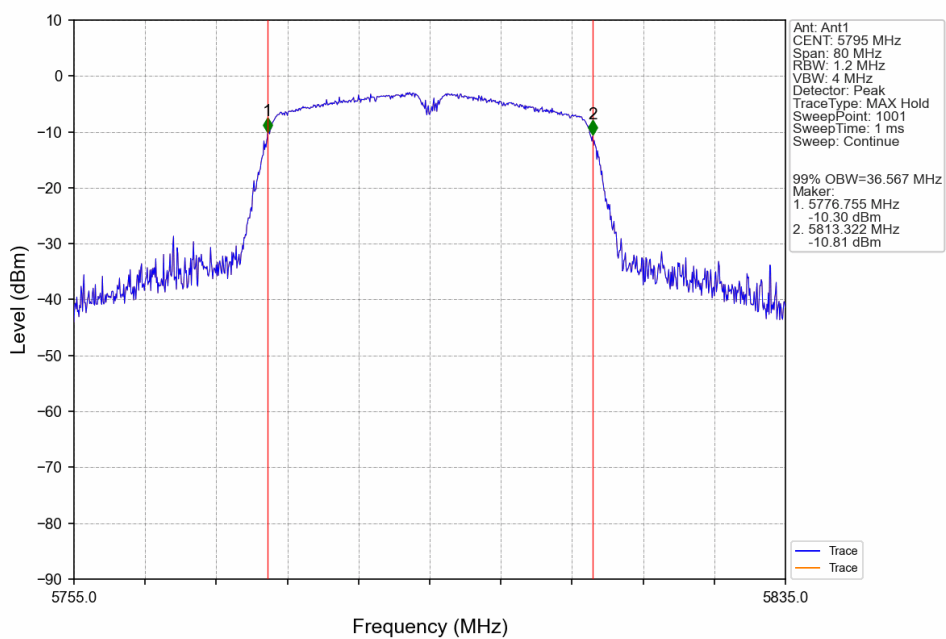
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



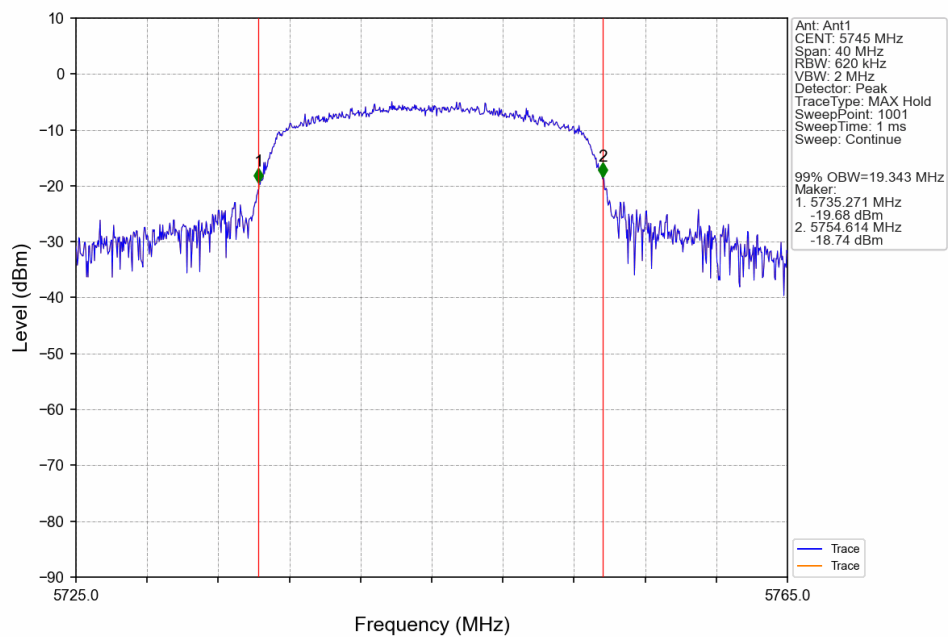
802.11n(HT40) LCH 5755MHz Ant1 NTN



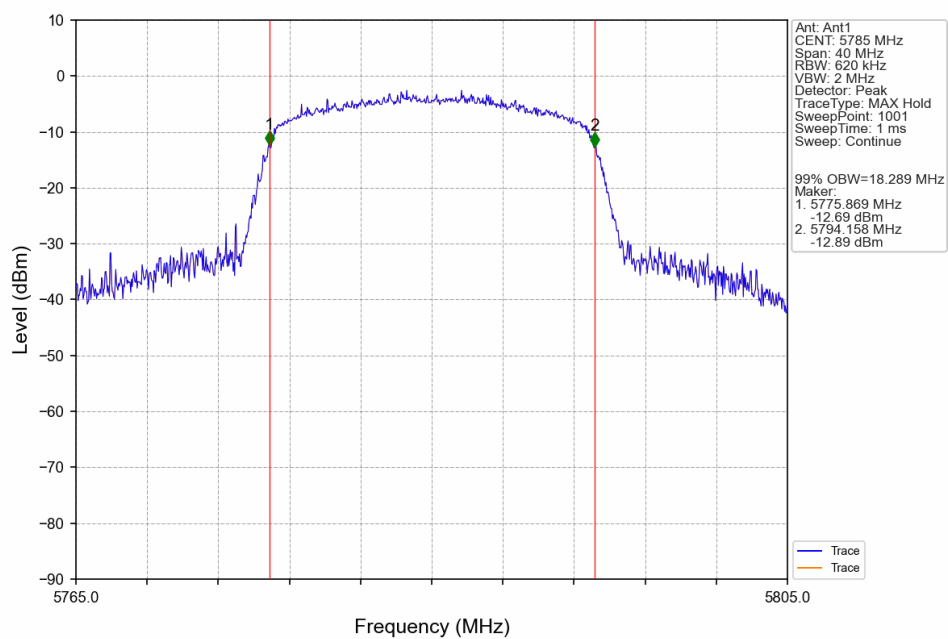
802.11n(HT40) HCH 5795MHz Ant1 NTN



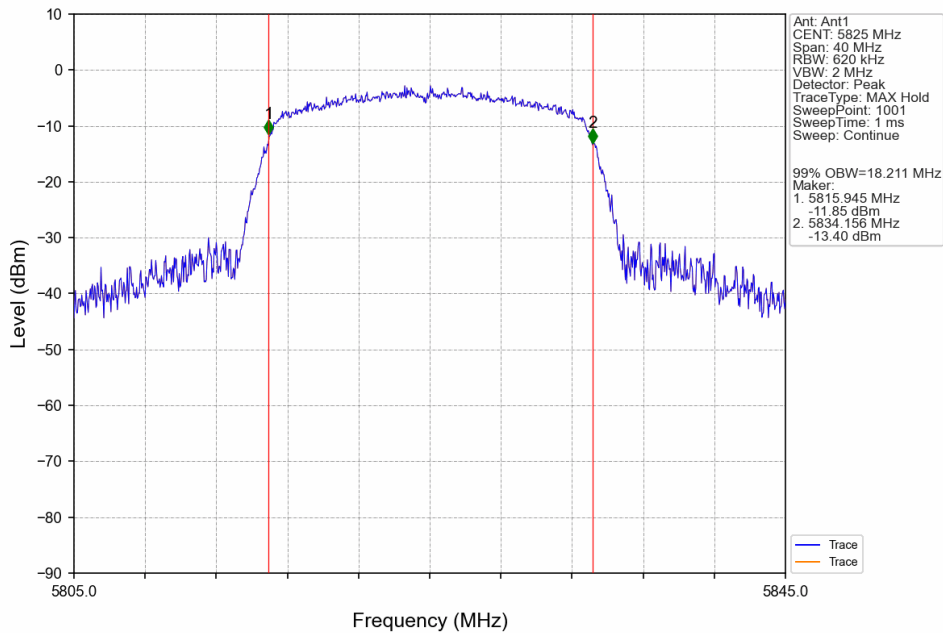
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



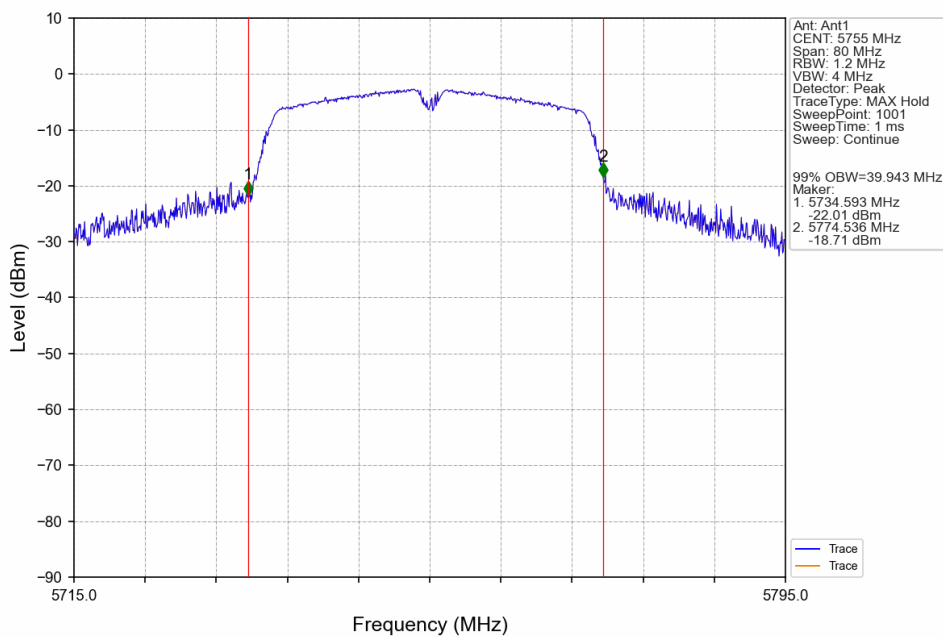
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



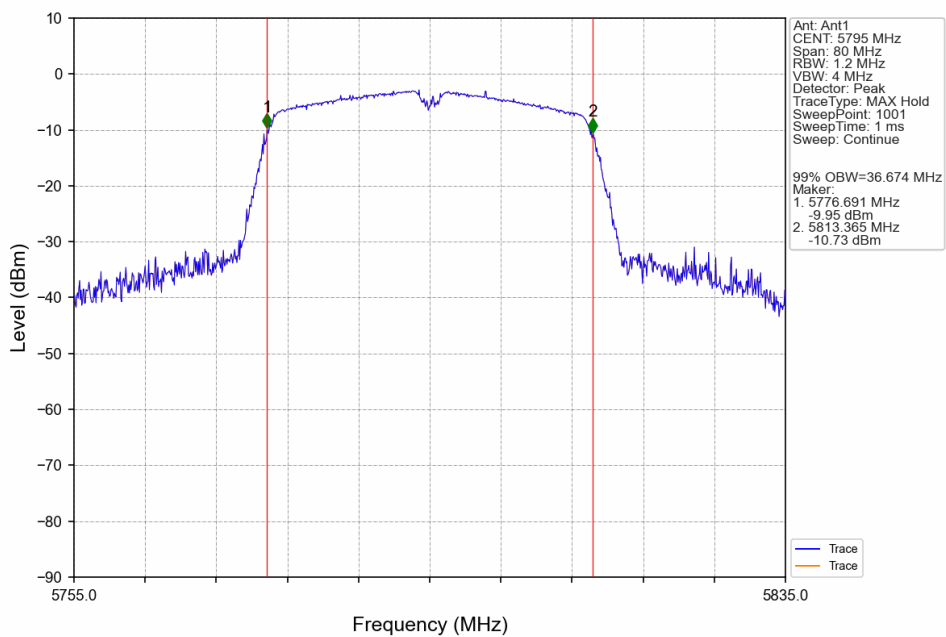
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



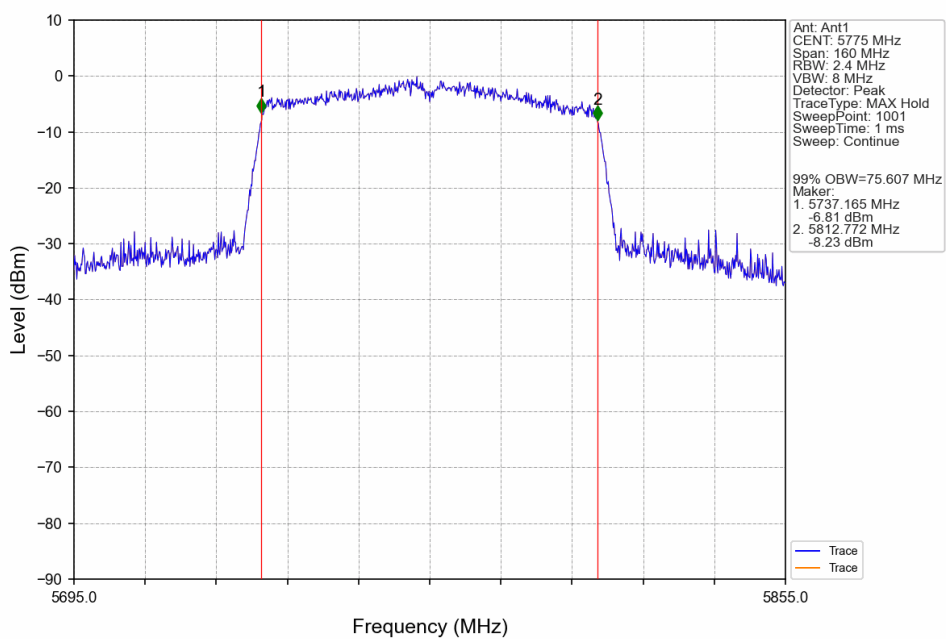
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



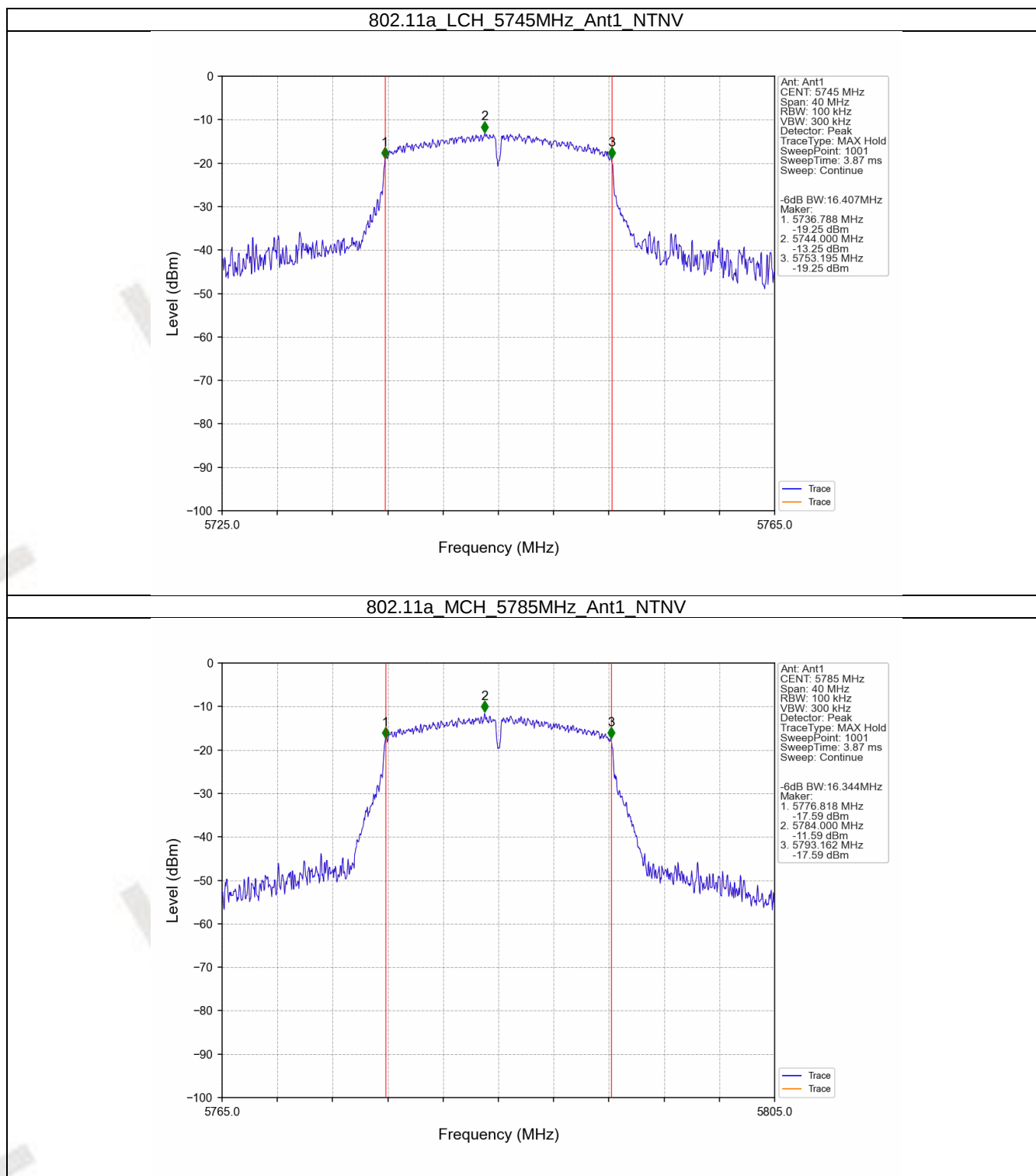
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



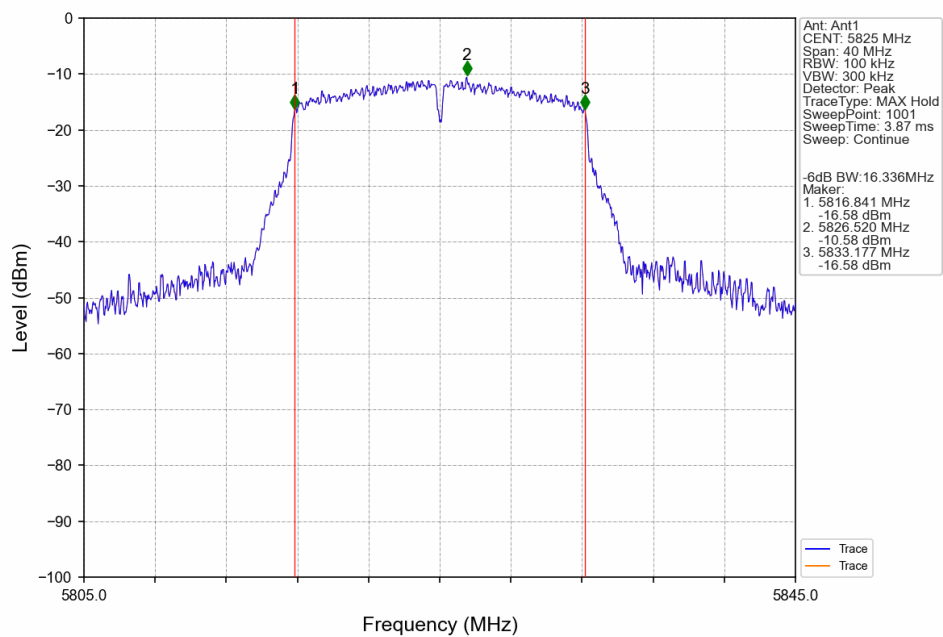
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



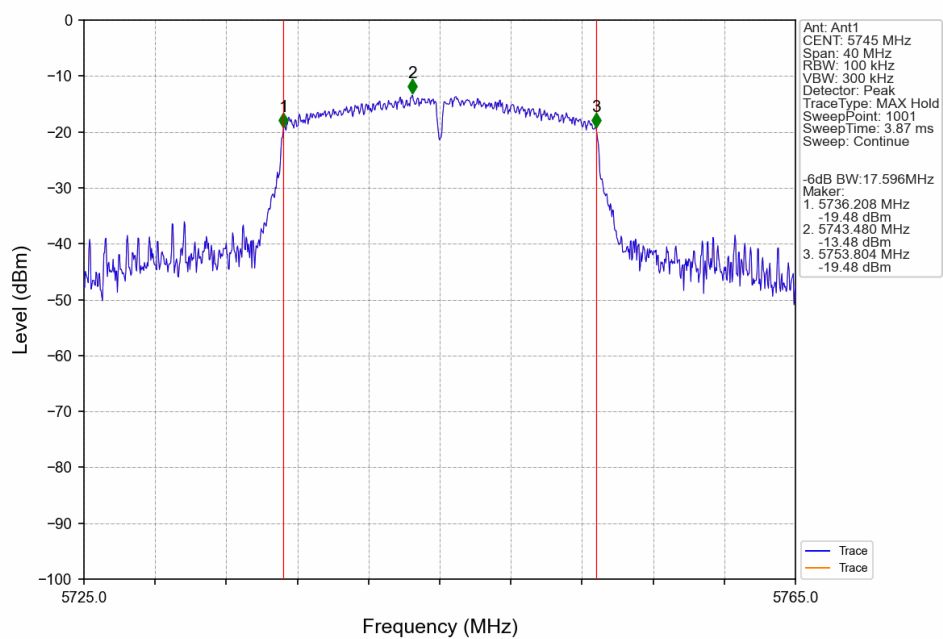
2.2.2 6dB BW



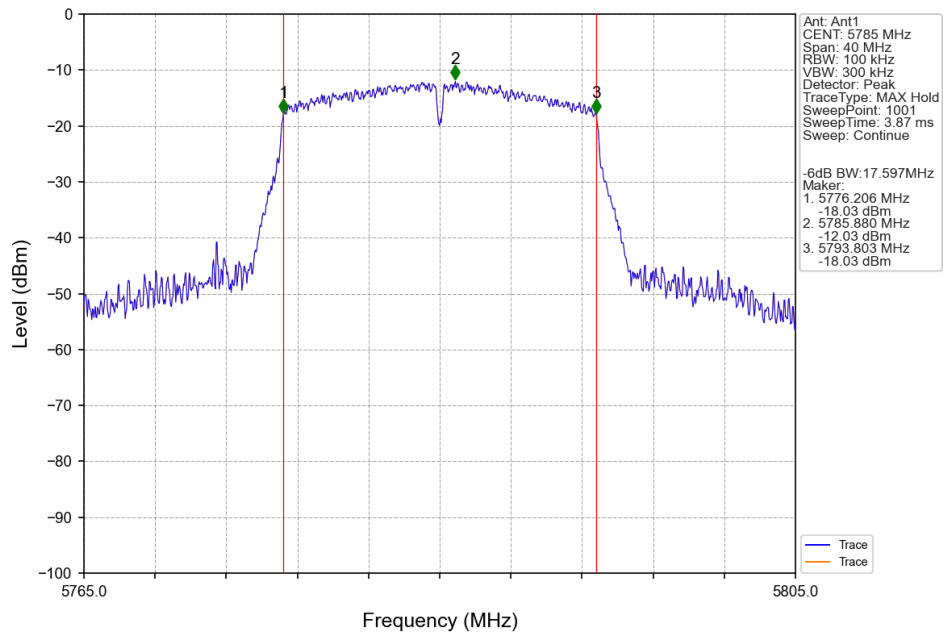
802.11a_HCH_5825MHz_Ant1_NTNV



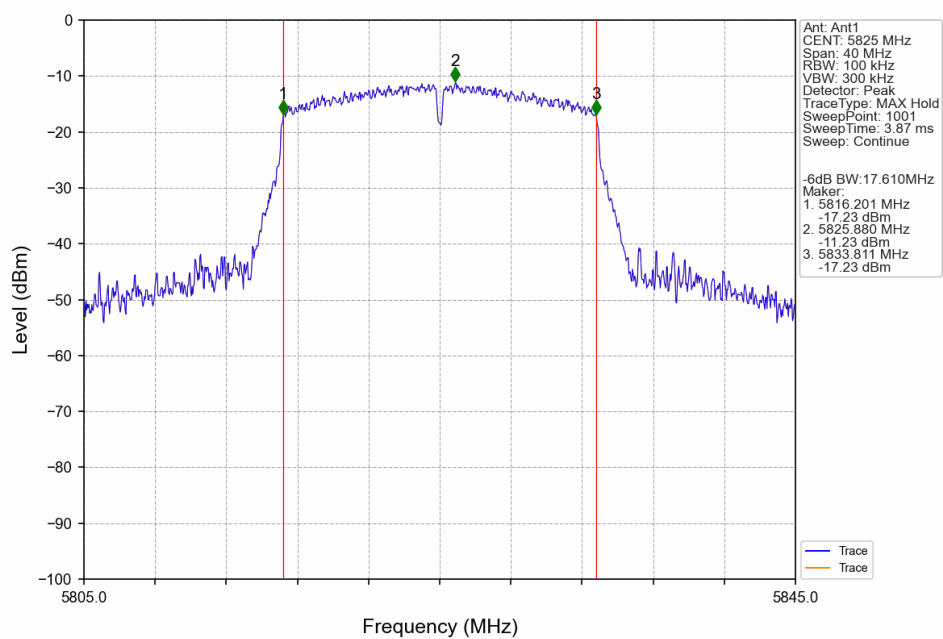
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



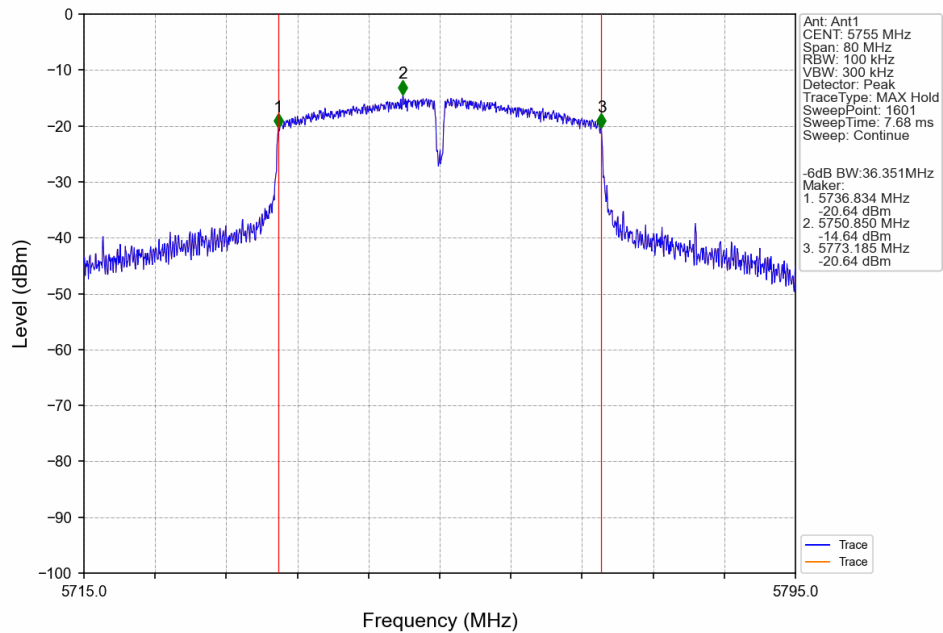
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



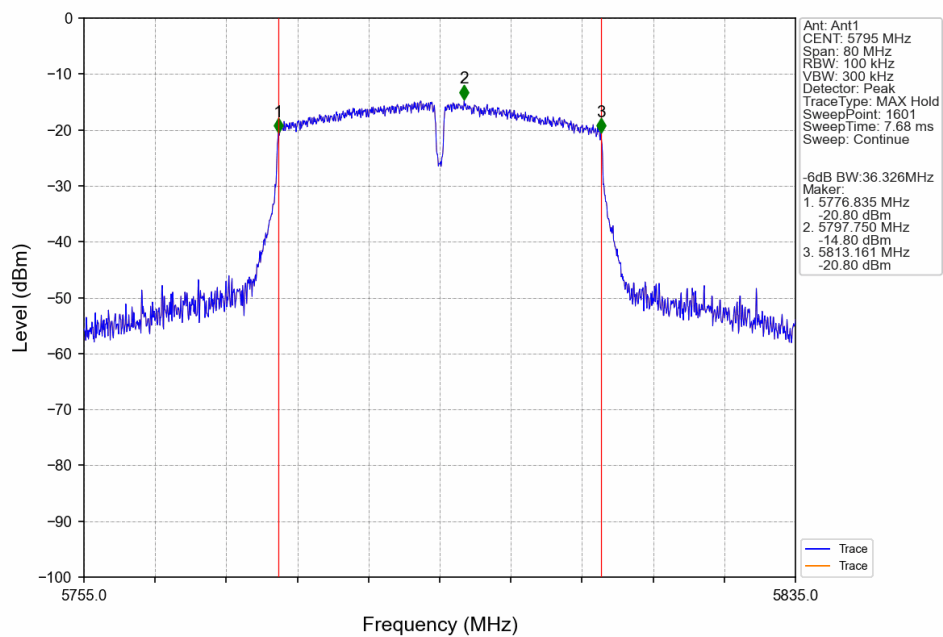
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



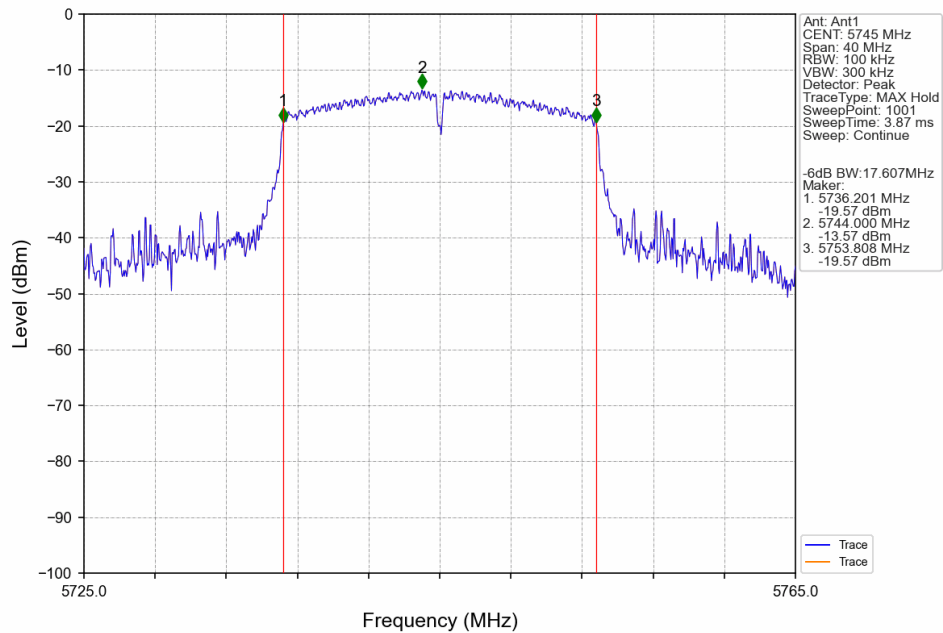
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



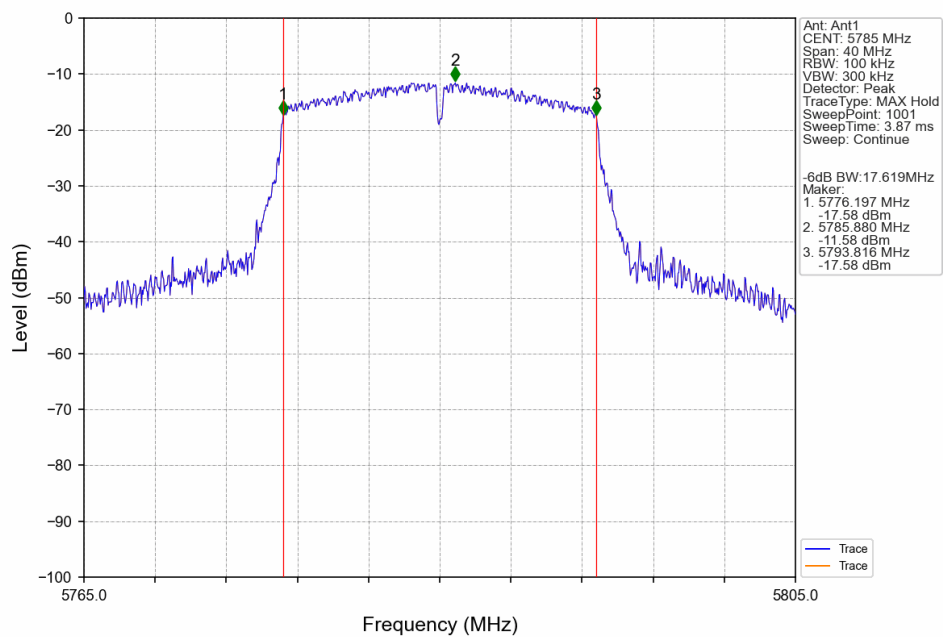
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



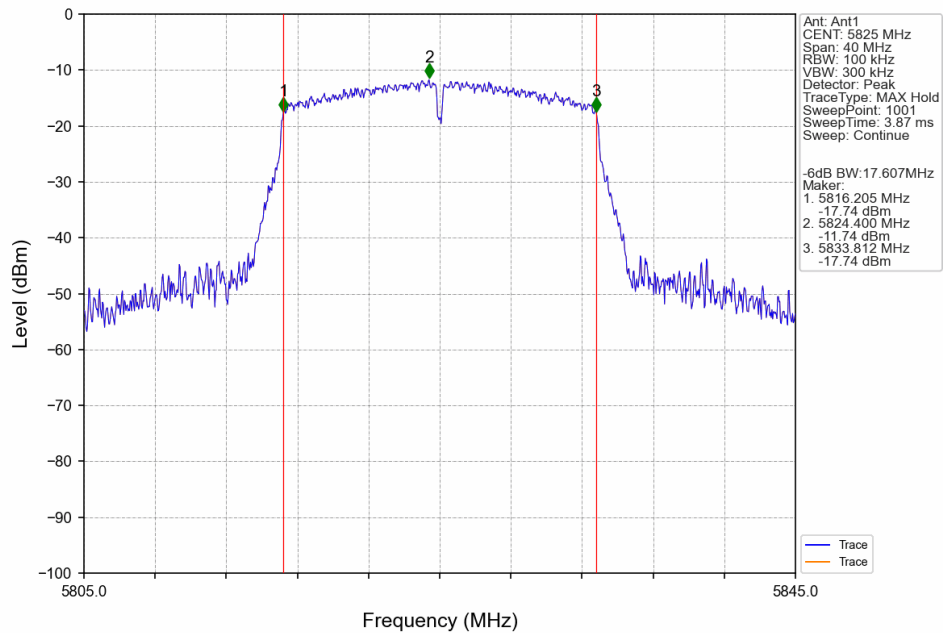
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



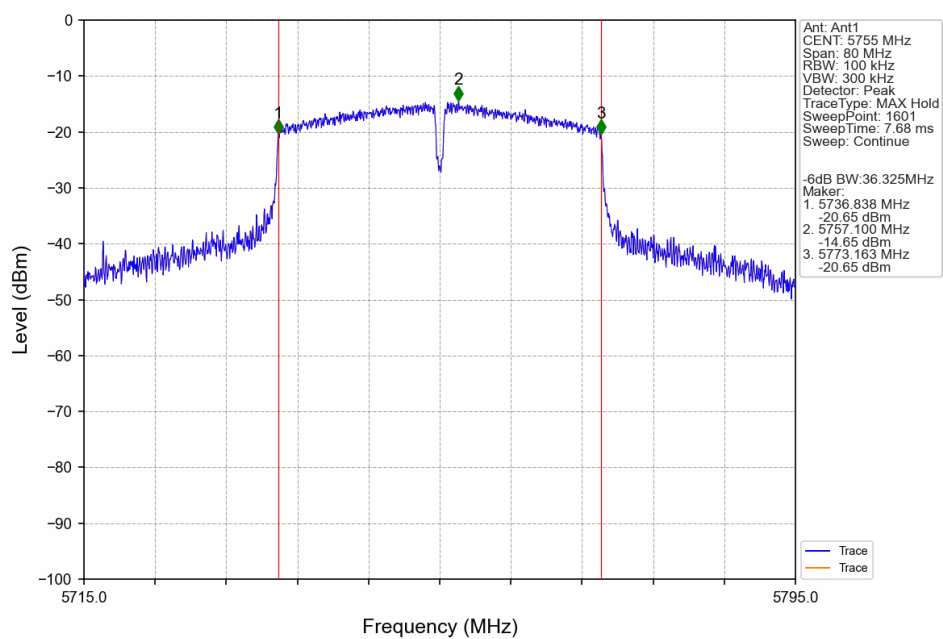
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



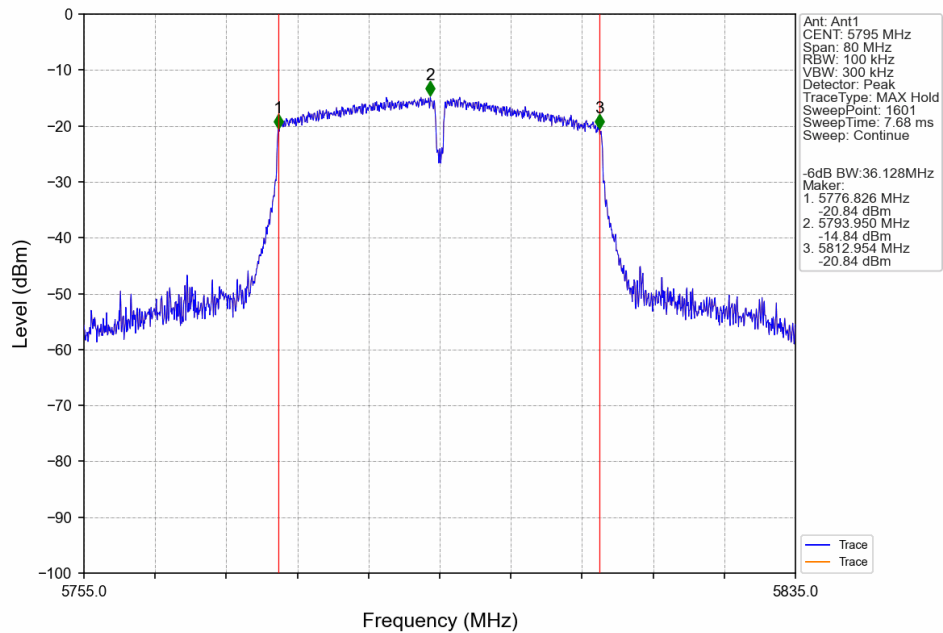
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



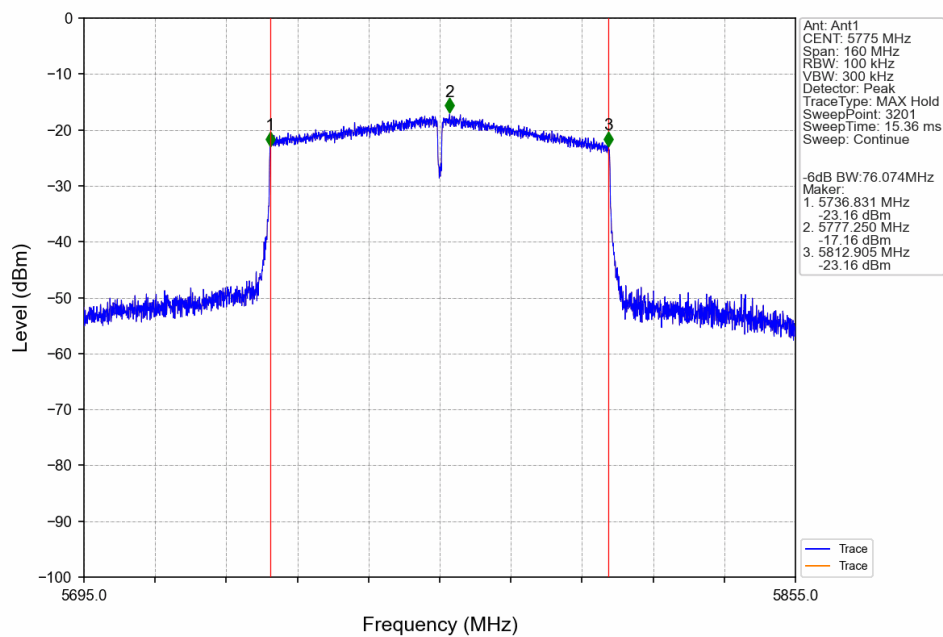
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



3. Maximum Conducted Output Power

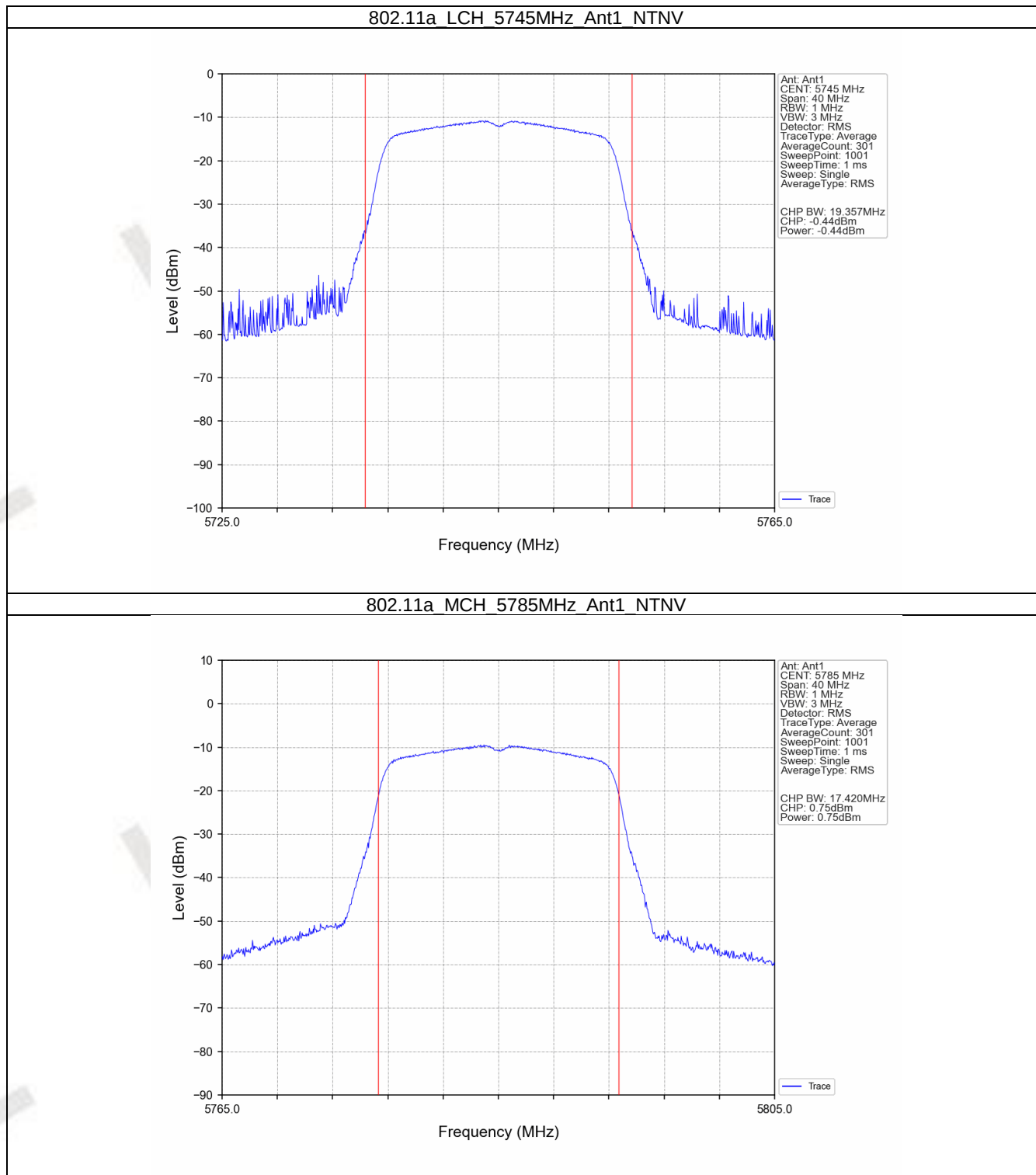
3.1 Test Result

3.1.1 Power

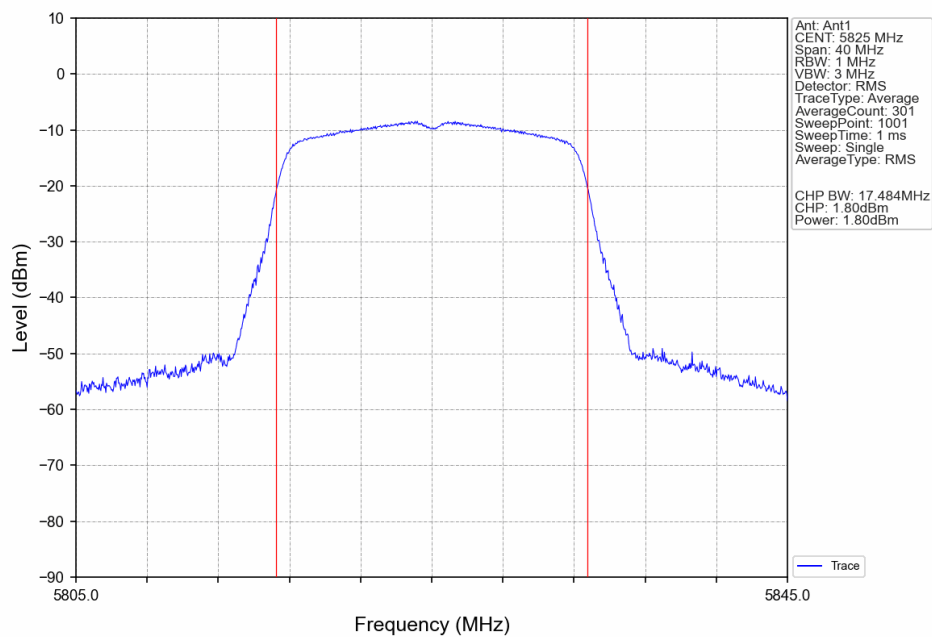
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-0.44	<=30	Pass
		5785	0.75	<=30	Pass
		5825	1.80	<=30	Pass
802.11n (HT20)	SISO	5745	-0.63	<=30	Pass
		5785	0.80	<=30	Pass
		5825	1.68	<=30	Pass
802.11n (HT40)	SISO	5755	1.15	<=30	Pass
		5795	0.96	<=30	Pass
802.11ac (VHT20)	SISO	5745	-0.63	<=30	Pass
		5785	1.52	<=30	Pass
		5825	1.26	<=30	Pass
802.11ac (VHT40)	SISO	5755	1.38	<=30	Pass
		5795	0.98	<=30	Pass
802.11ac (VHT80)	SISO	5775	1.14	<=30	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

3.2 Test Graph

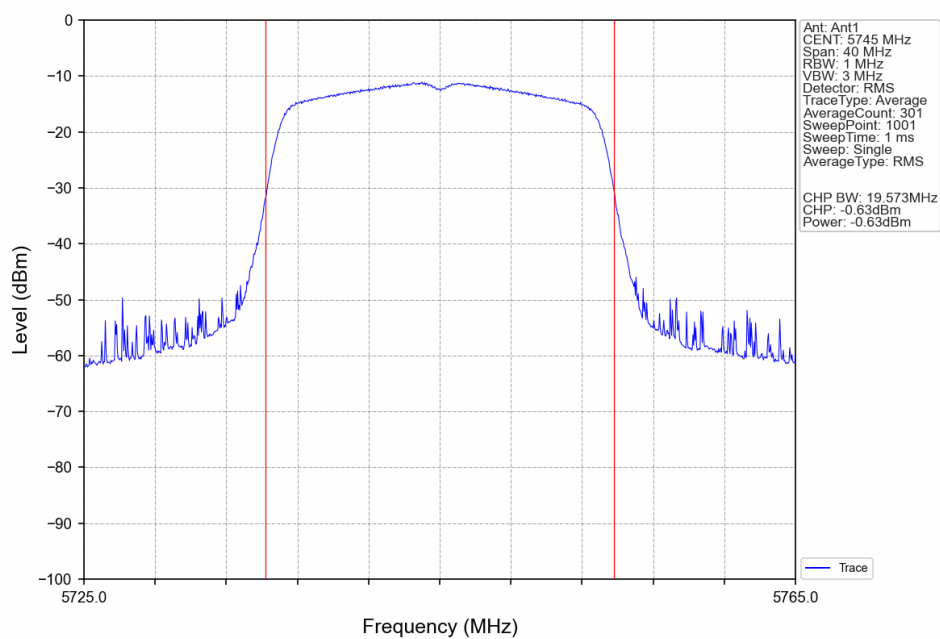
3.2.1 Power



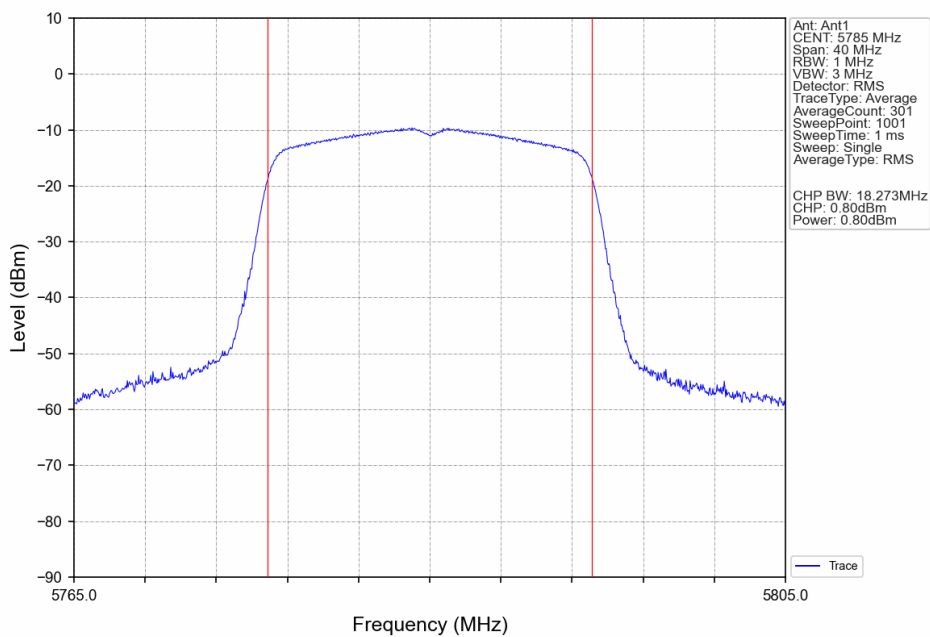
802.11a_HCH_5825MHz_Ant1_NTNV



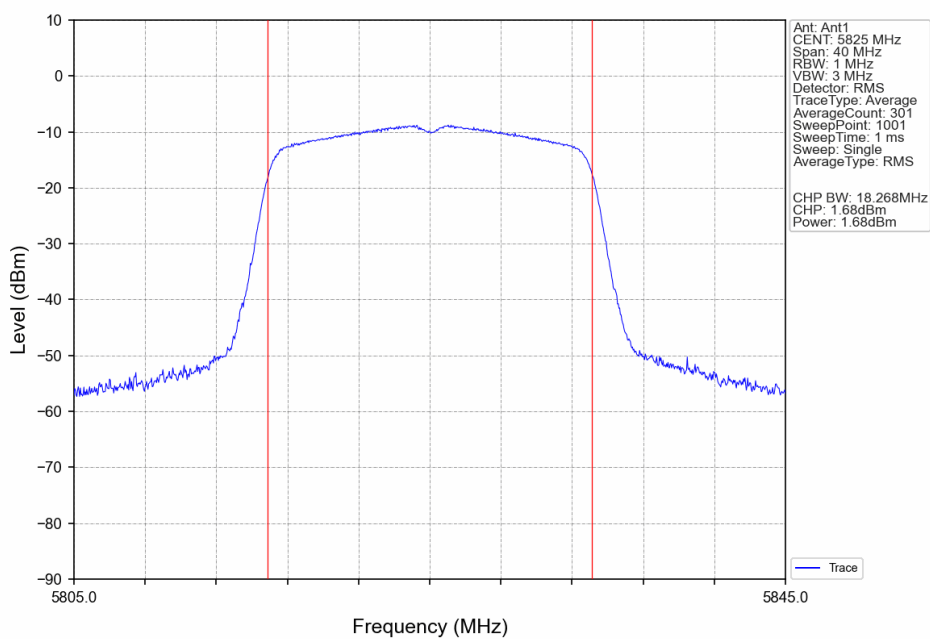
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



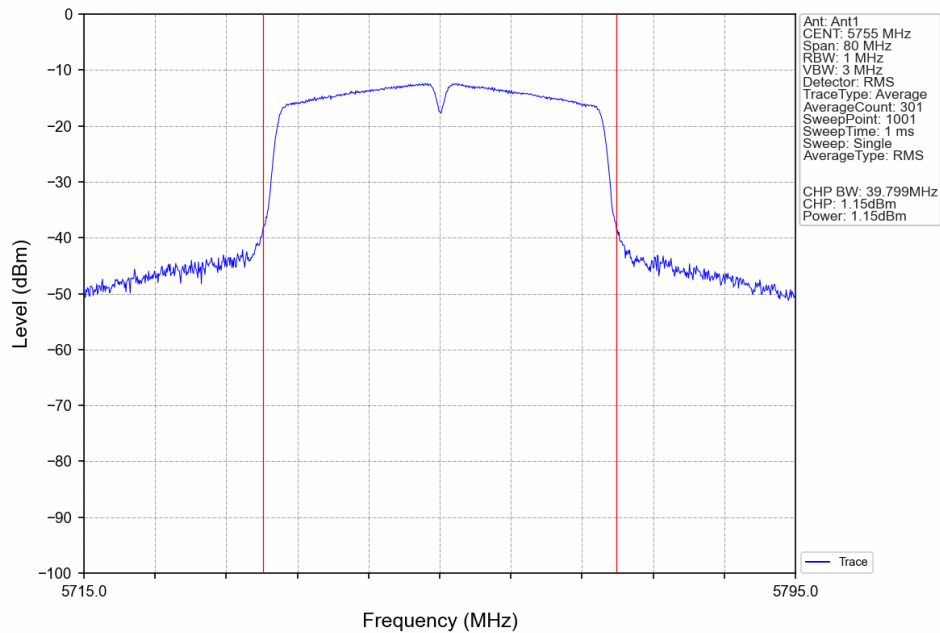
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



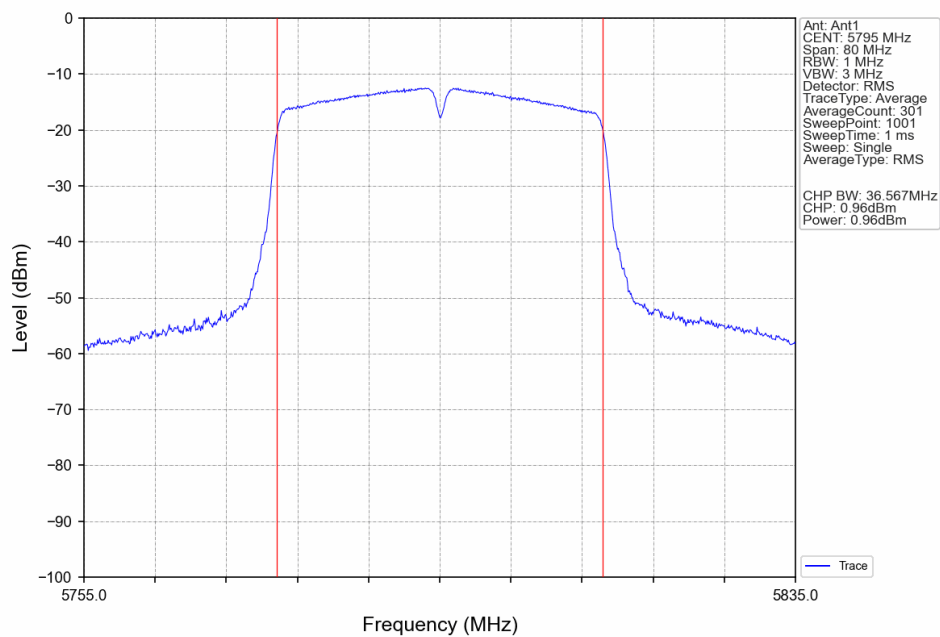
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



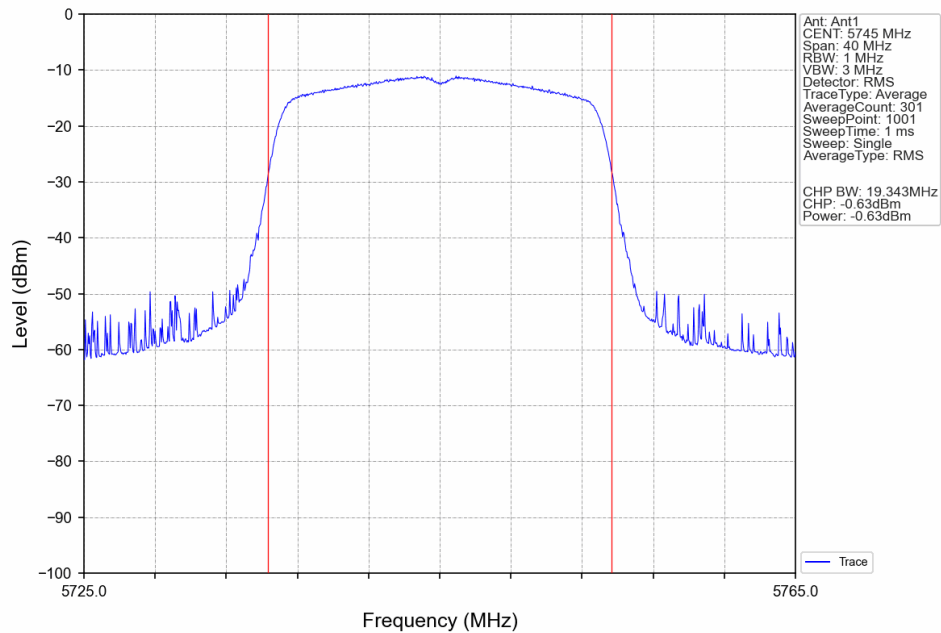
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



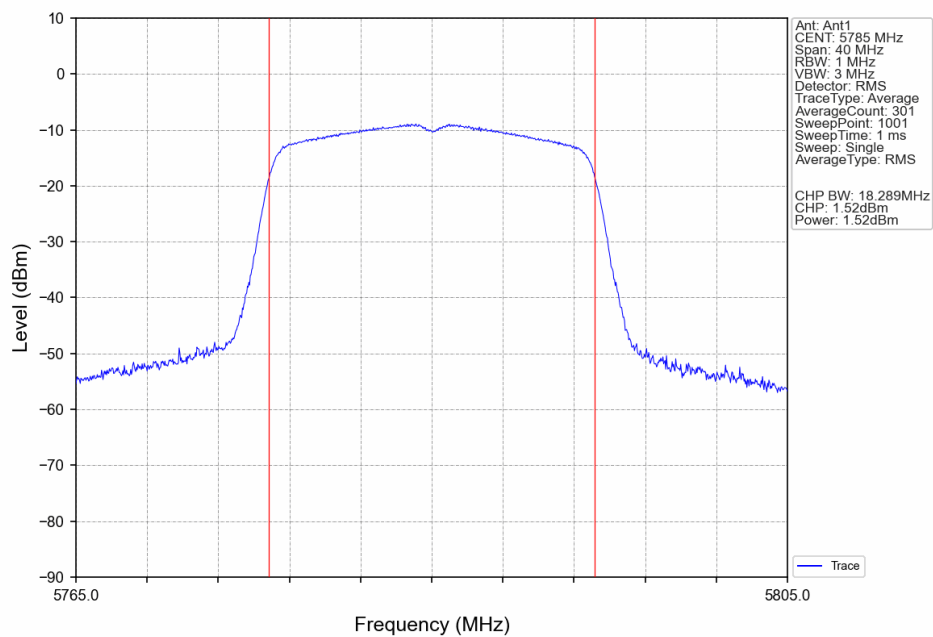
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



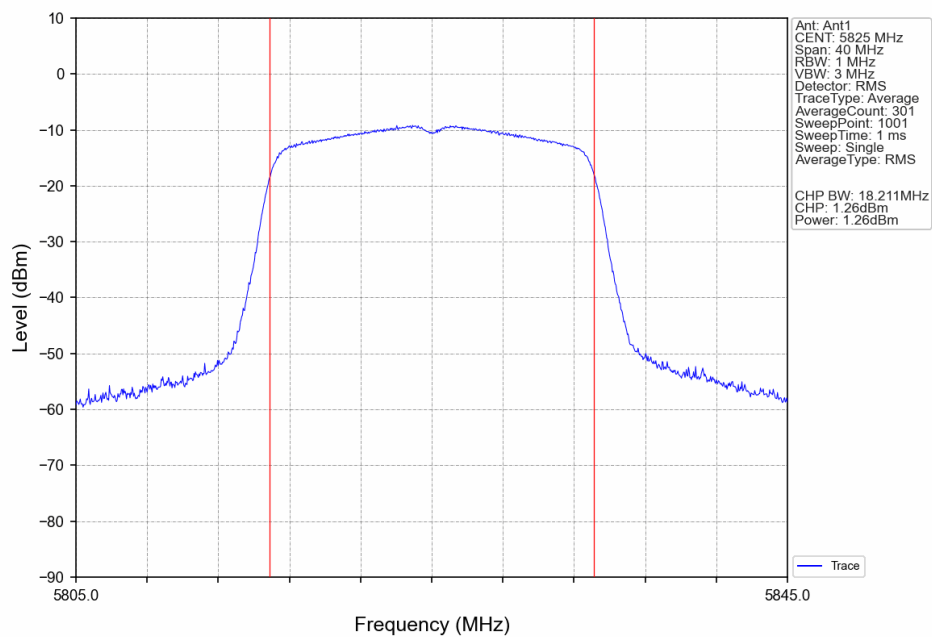
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



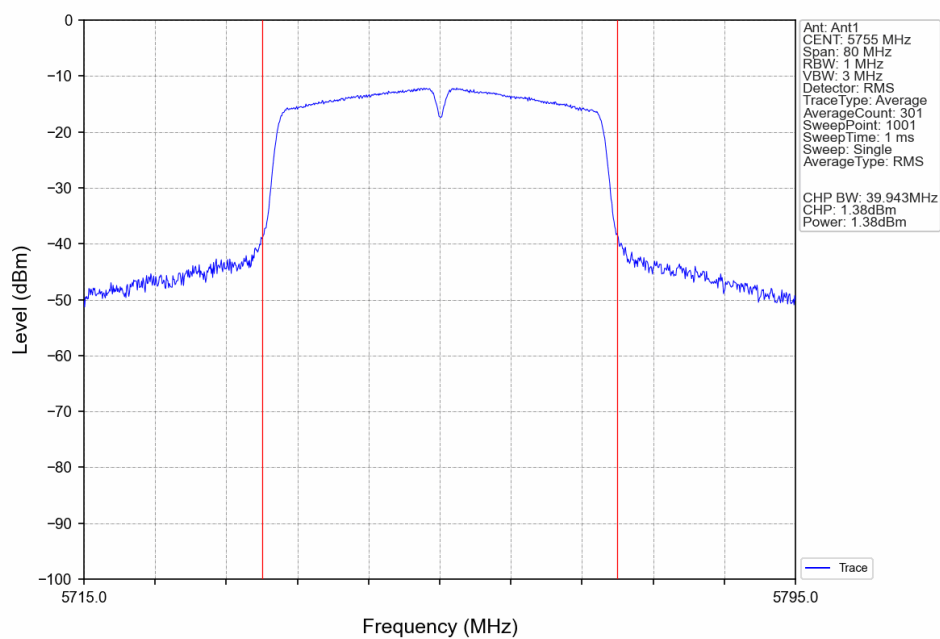
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



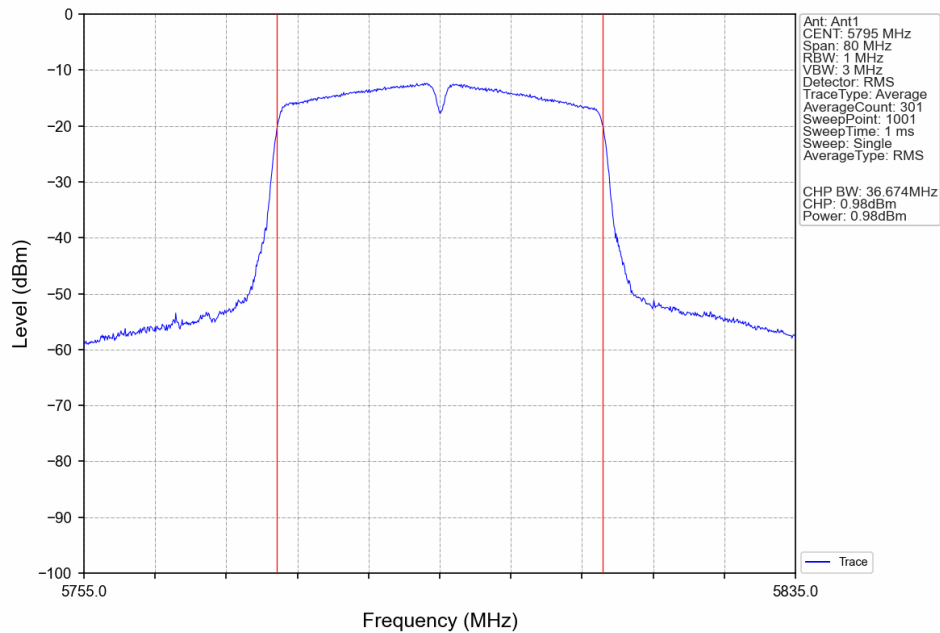
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



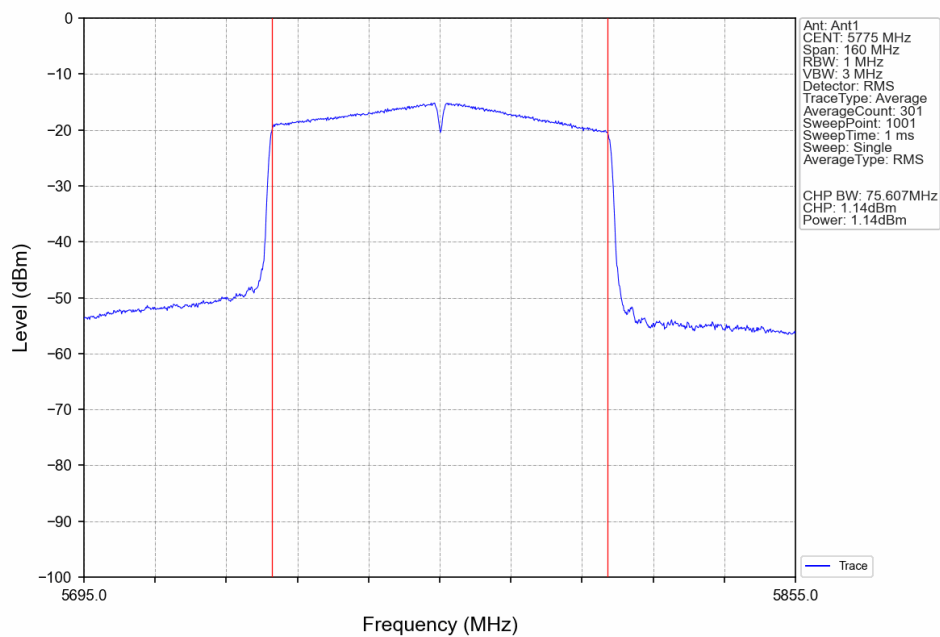
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40) HCH 5795MHz Ant1_NTNV



802.11ac(VHT80) MCH 5775MHz Ant1_NTNV



4. Maximum Power Spectral Density

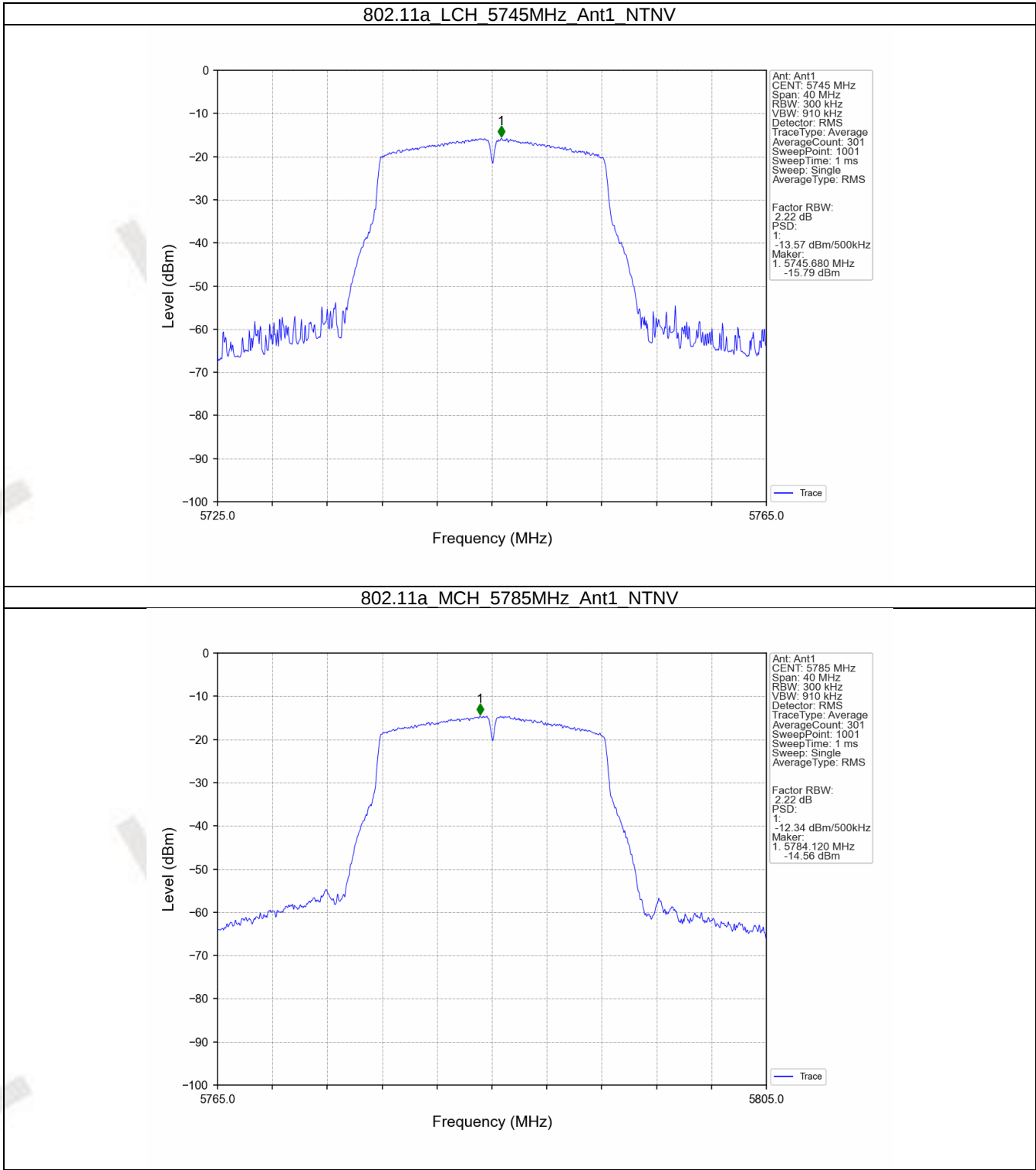
4.1 Test Result

4.1.1 PSD-Band3

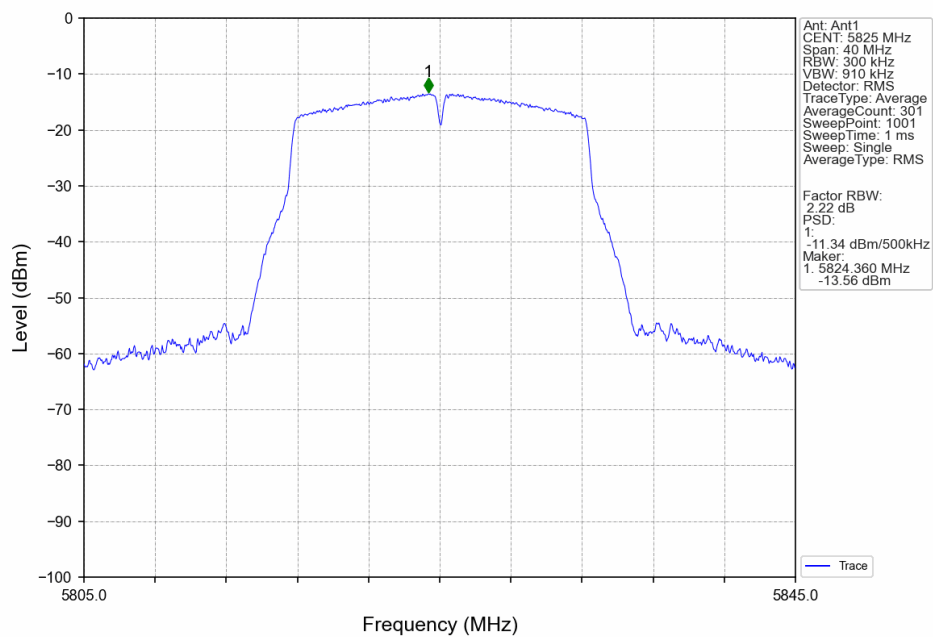
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-13.57	<=30	Pass
		5785	-12.34	<=30	Pass
		5825	-11.34	<=30	Pass
802.11n (HT20)	SISO	5745	-13.88	<=30	Pass
		5785	-12.33	<=30	Pass
		5825	-11.50	<=30	Pass
802.11n (HT40)	SISO	5755	-15.26	<=30	Pass
		5795	-15.27	<=30	Pass
802.11ac (VHT20)	SISO	5745	-13.83	<=30	Pass
		5785	-11.42	<=30	Pass
		5825	-12.09	<=30	Pass
802.11ac (VHT40)	SISO	5755	-15.06	<=30	Pass
		5795	-15.25	<=30	Pass
802.11ac (VHT80)	SISO	5775	-17.94	<=30	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

4.2 Test Graph

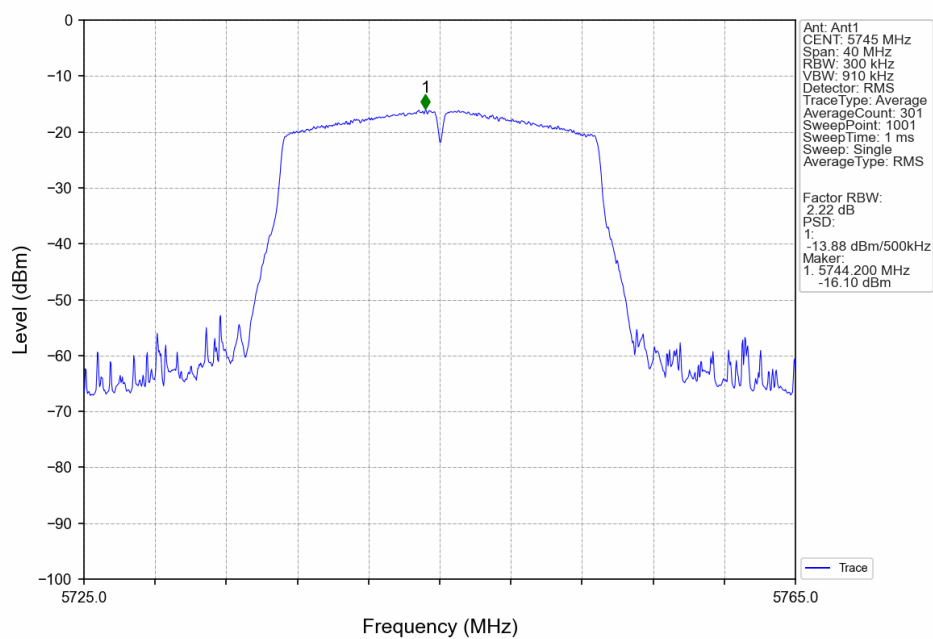
4.2.1 PSD-Band3



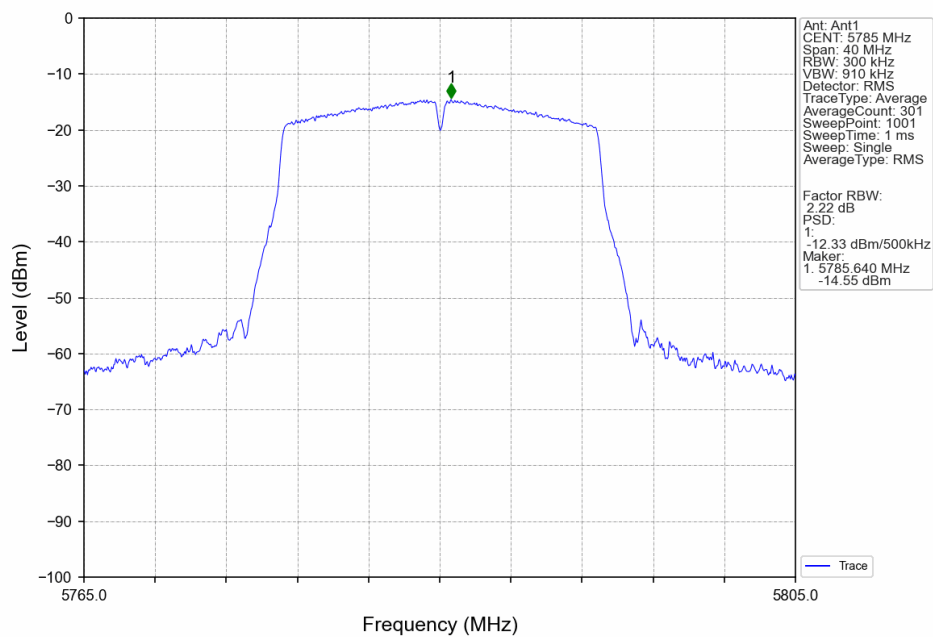
802.11a_HCH_5825MHz_Ant1_NTNV



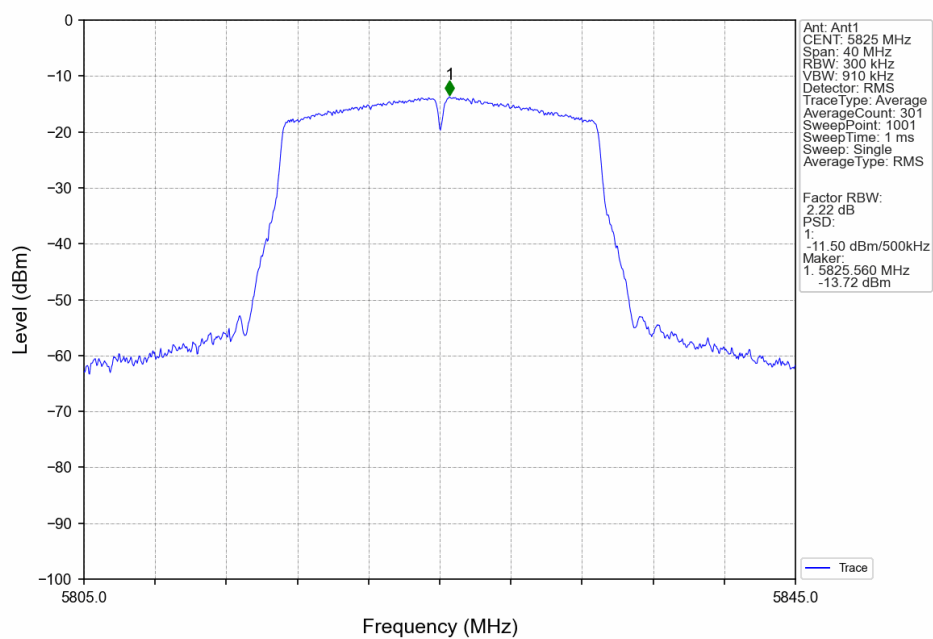
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



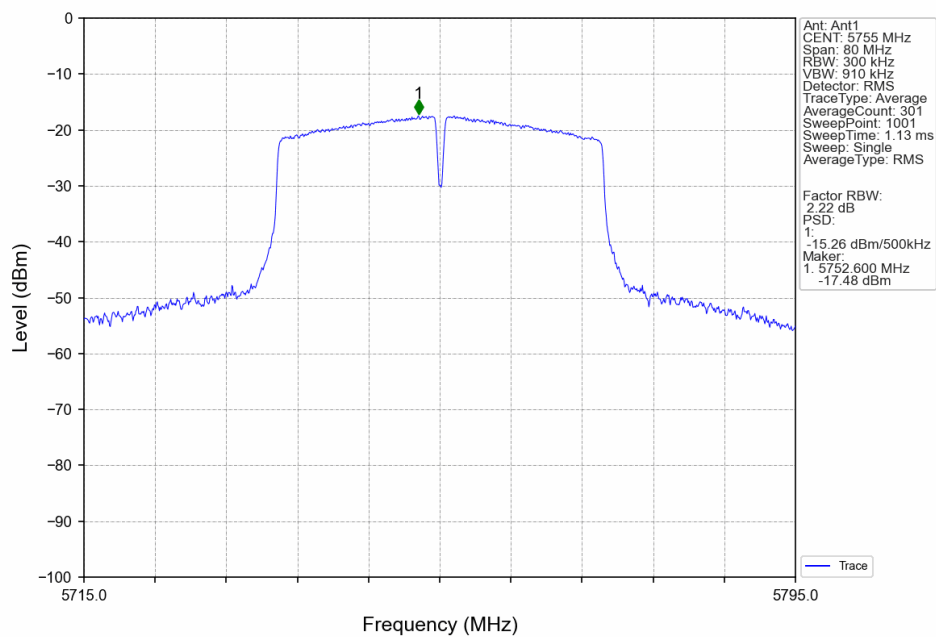
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



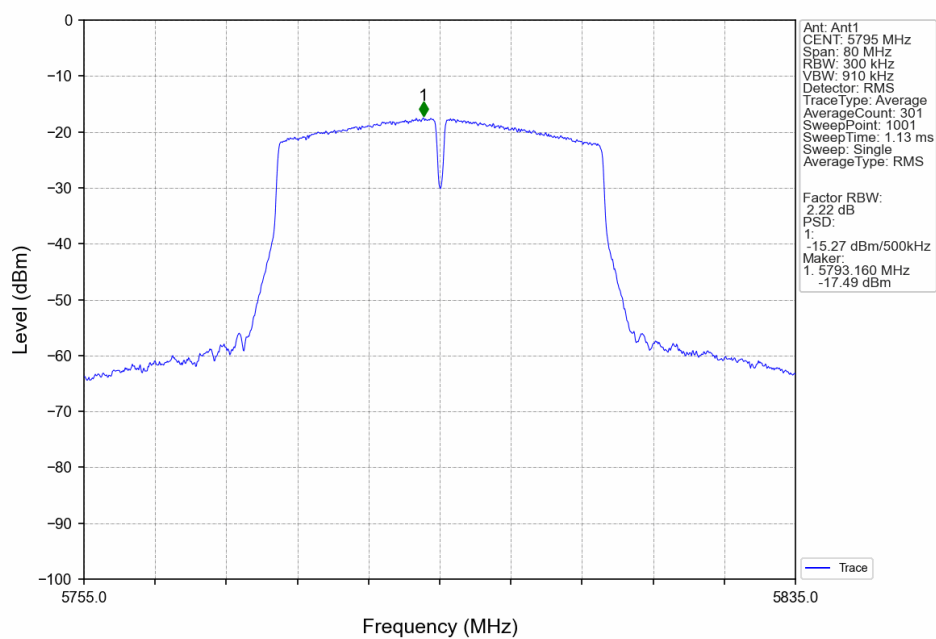
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



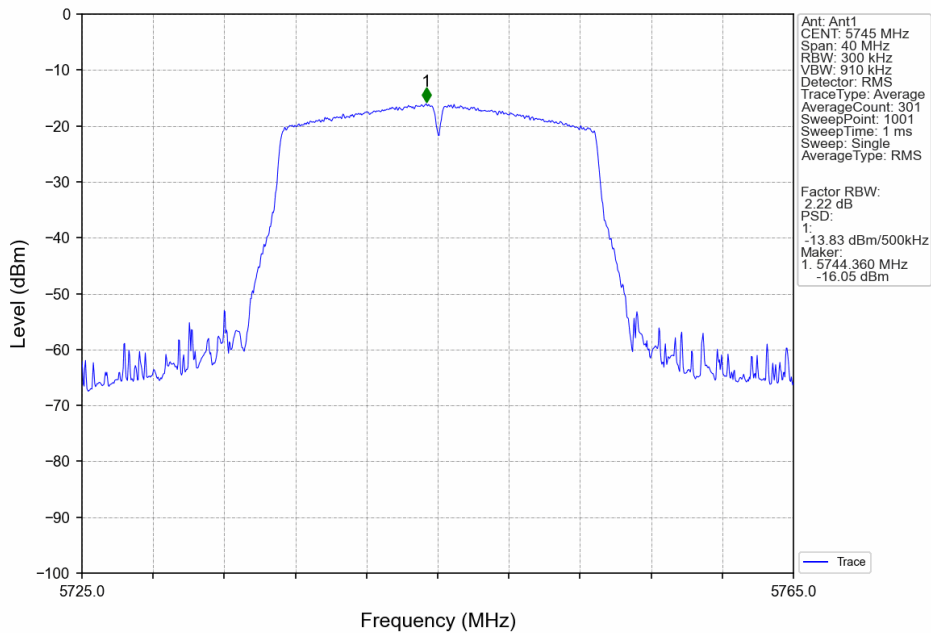
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



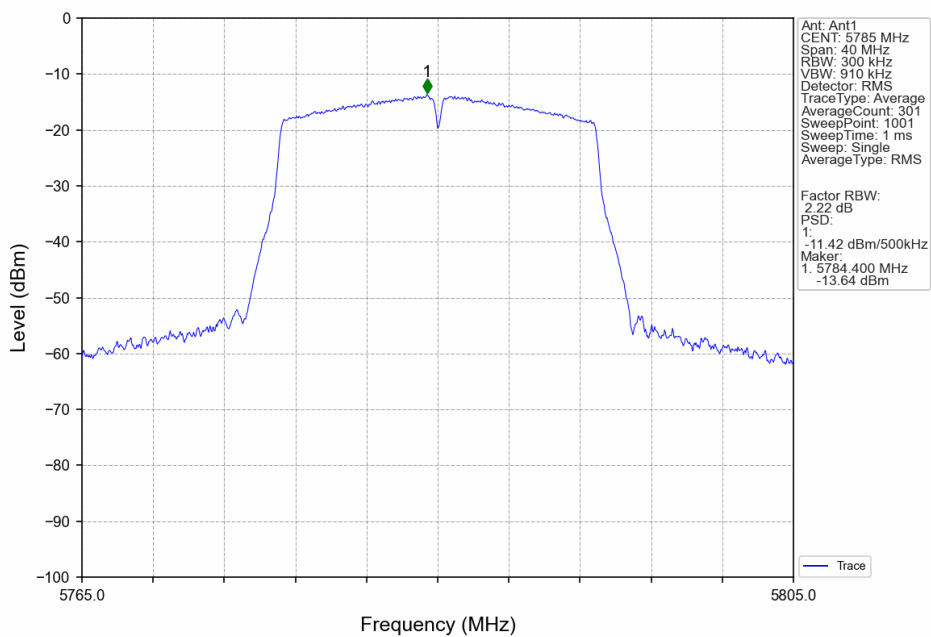
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



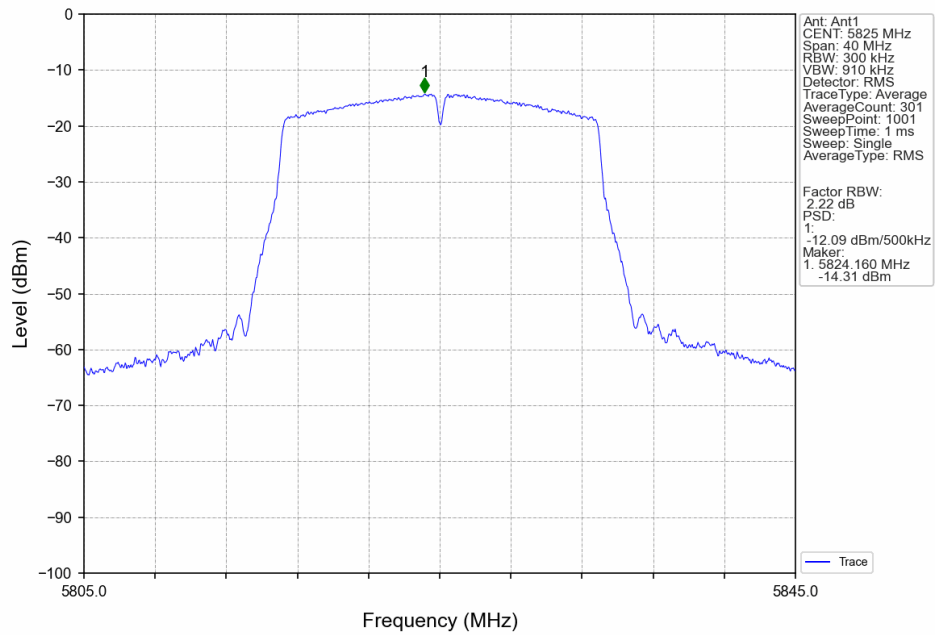
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



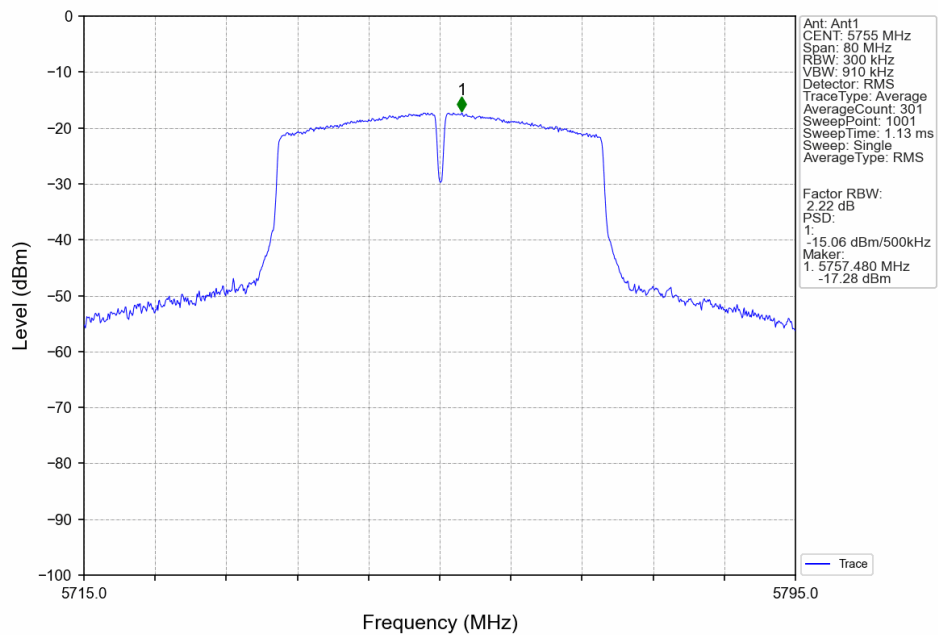
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



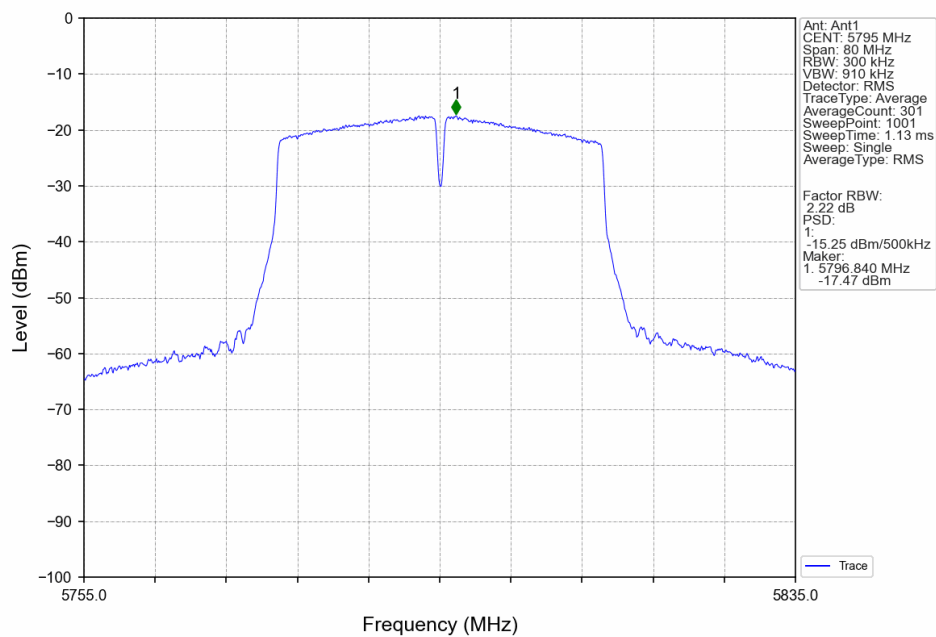
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



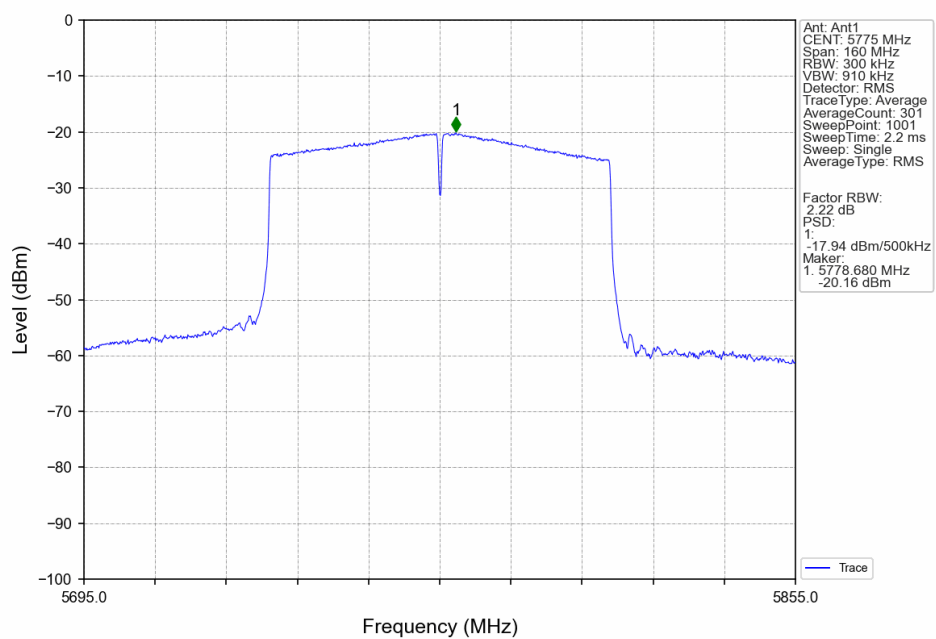
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40) HCH 5795MHz Ant1_NTNV



802.11ac(VHT80) MCH 5775MHz Ant1_NTNV



5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Ant1		Limit (MHz)	Verdict
				Voltage (VDC)	Measured Frequency (MHz)		
Carrier Wave	SISO	5745	20	10.8	5744.997	5725 to 5850	Pass
				12	5744.996	5725 to 5850	Pass
				13.2	5744.995	5725 to 5850	Pass
			-30	12	5744.995	5725 to 5850	Pass
			-20	12	5744.995	5725 to 5850	Pass
			-10	12	5744.995	5725 to 5850	Pass
			0	12	5744.995	5725 to 5850	Pass
			10	12	5744.995	5725 to 5850	Pass
			30	12	5744.994	5725 to 5850	Pass
			40	12	5744.994	5725 to 5850	Pass
			50	12	5744.994	5725 to 5850	Pass
		5785	20	10.8	5784.995	5725 to 5850	Pass
				12	5784.995	5725 to 5850	Pass
				13.2	5784.995	5725 to 5850	Pass
			-30	12	5784.994	5725 to 5850	Pass
			-20	12	5784.994	5725 to 5850	Pass
			-10	12	5784.994	5725 to 5850	Pass
			0	12	5784.994	5725 to 5850	Pass
			10	12	5784.994	5725 to 5850	Pass
			30	12	5784.994	5725 to 5850	Pass
			40	12	5784.994	5725 to 5850	Pass
			50	12	5784.994	5725 to 5850	Pass
		5825	20	10.8	5824.995	5725 to 5850	Pass
				12	5824.995	5725 to 5850	Pass
				13.2	5824.994	5725 to 5850	Pass
			-30	12	5824.994	5725 to 5850	Pass
			-20	12	5824.994	5725 to 5850	Pass
			-10	12	5824.994	5725 to 5850	Pass
			0	12	5824.994	5725 to 5850	Pass
			10	12	5824.994	5725 to 5850	Pass
			30	12	5824.994	5725 to 5850	Pass
			40	12	5824.994	5725 to 5850	Pass
			50	12	5824.994	5725 to 5850	Pass
		5755	20	10.8	5754.995	5725 to 5850	Pass
				12	5754.995	5725 to 5850	Pass
				13.2	5754.994	5725 to 5850	Pass
			-30	12	5754.994	5725 to 5850	Pass
			-20	12	5754.994	5725 to 5850	Pass
			-10	12	5754.994	5725 to 5850	Pass
			0	12	5754.994	5725 to 5850	Pass
			10	12	5754.994	5725 to 5850	Pass
			30	12	5754.994	5725 to 5850	Pass
			40	12	5754.994	5725 to 5850	Pass
			50	12	5754.994	5725 to 5850	Pass
		5795	20	10.8	5794.995	5725 to 5850	Pass
				12	5794.995	5725 to 5850	Pass
				13.2	5794.994	5725 to 5850	Pass
			-30	12	5794.994	5725 to 5850	Pass
			-20	12	5794.994	5725 to 5850	Pass
			-10	12	5794.994	5725 to 5850	Pass

			0	12	5794.994	5725 to 5850	Pass
			10	12	5794.994	5725 to 5850	Pass
			30	12	5794.994	5725 to 5850	Pass
			40	12	5794.994	5725 to 5850	Pass
			50	12	5794.994	5725 to 5850	Pass
		5775	20	10.8	5774.995	5725 to 5850	Pass
				12	5774.994	5725 to 5850	Pass
				13.2	5774.994	5725 to 5850	Pass
			-30	12	5774.994	5725 to 5850	Pass
			-20	12	5774.994	5725 to 5850	Pass
			-10	12	5774.994	5725 to 5850	Pass
			0	12	5774.994	5725 to 5850	Pass
			10	12	5774.994	5725 to 5850	Pass
			30	12	5774.994	5725 to 5850	Pass
			40	12	5774.994	5725 to 5850	Pass
			50	12	5774.994	5725 to 5850	Pass