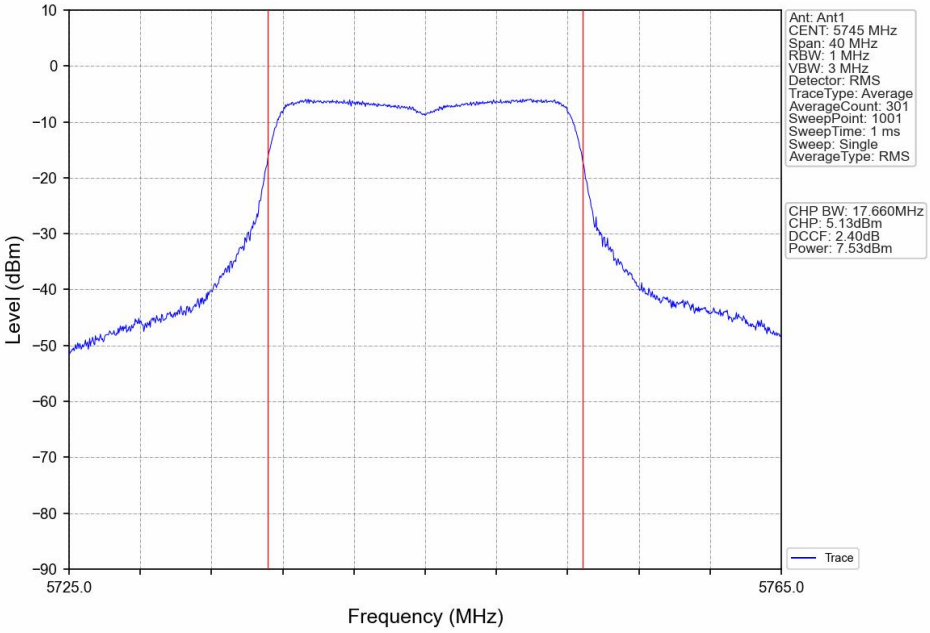
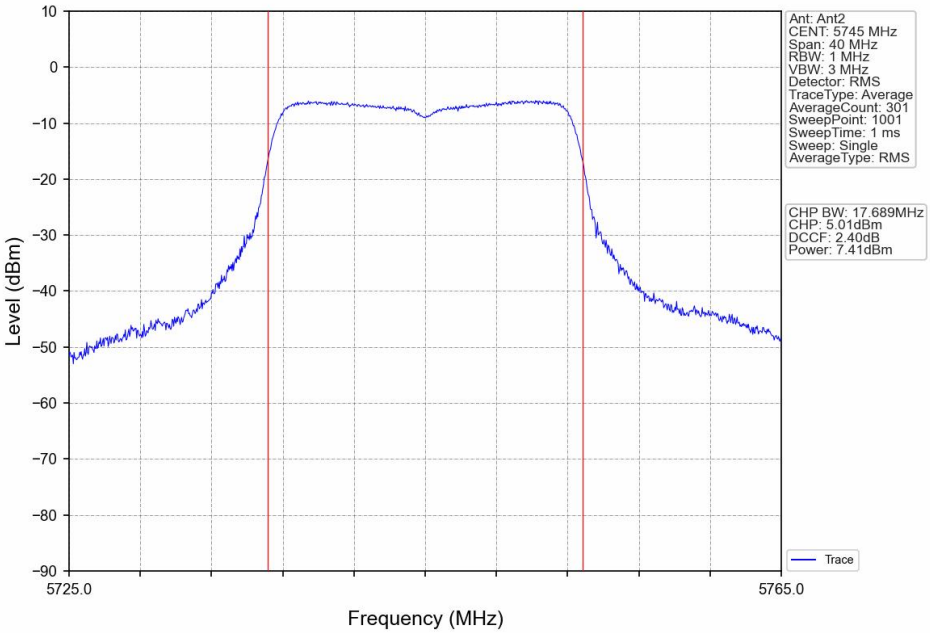
2.1.2 Test Graph

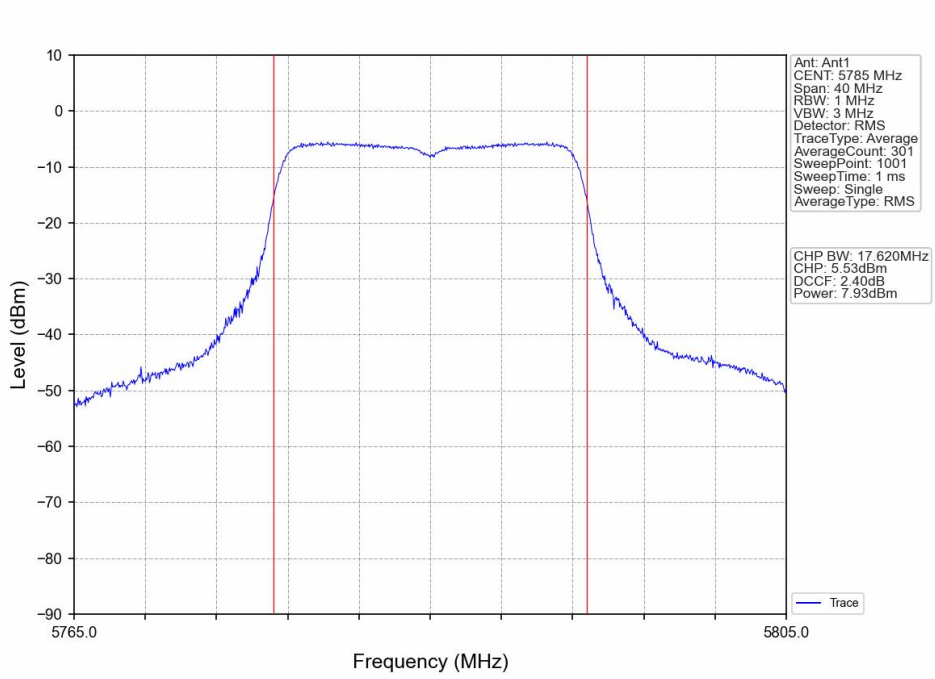
802.11a_LCH_5745MHz_Ant1_NTNV



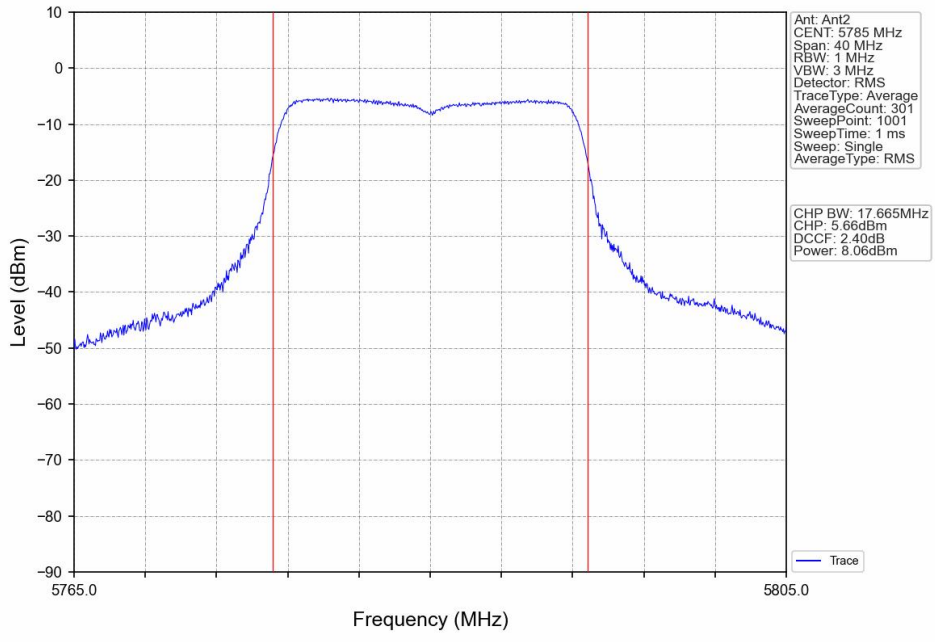
802.11a_LCH_5745MHz_Ant2_NTNV



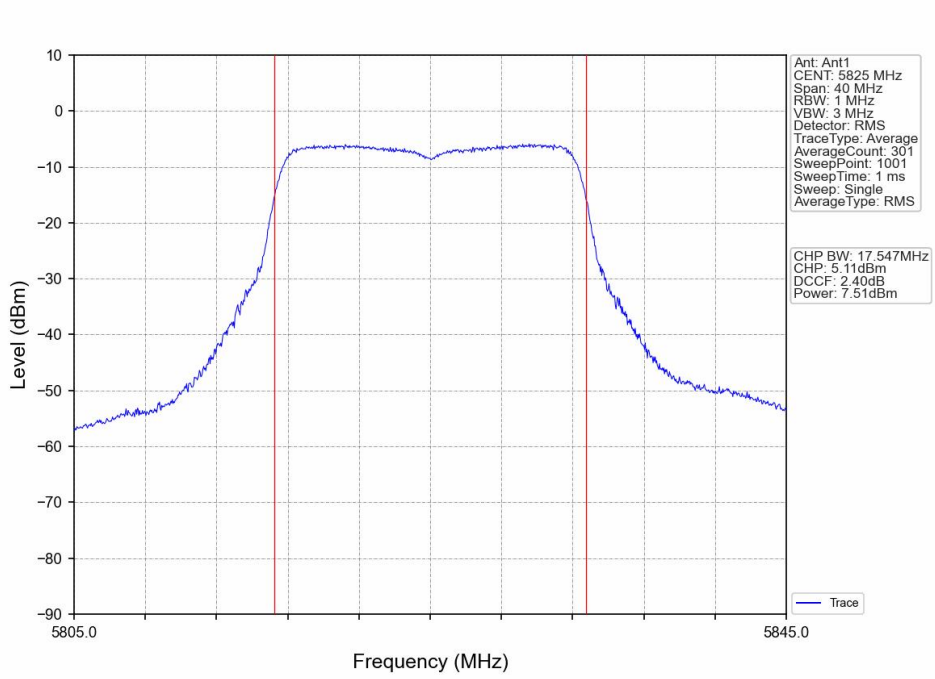
802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant2_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



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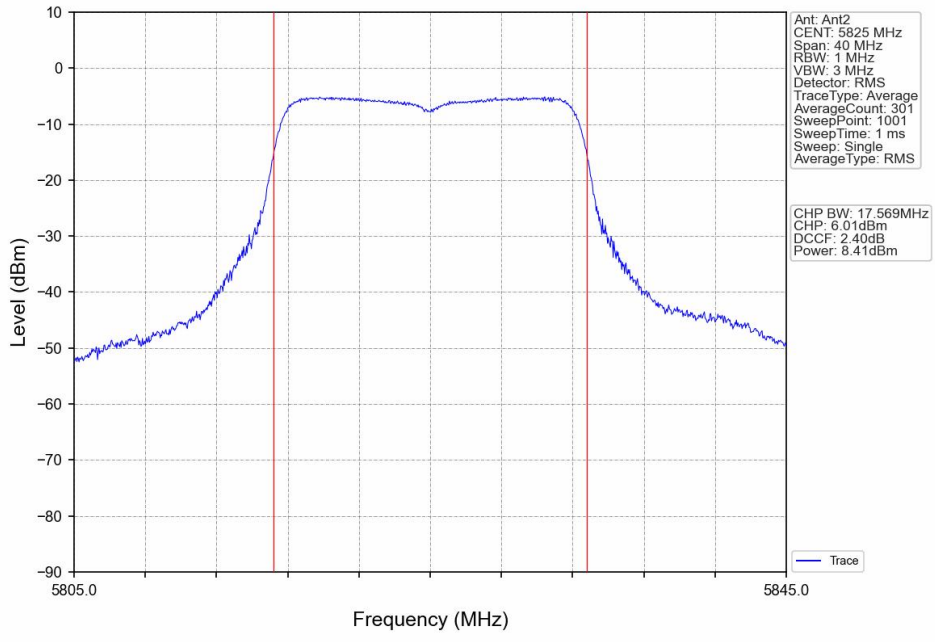
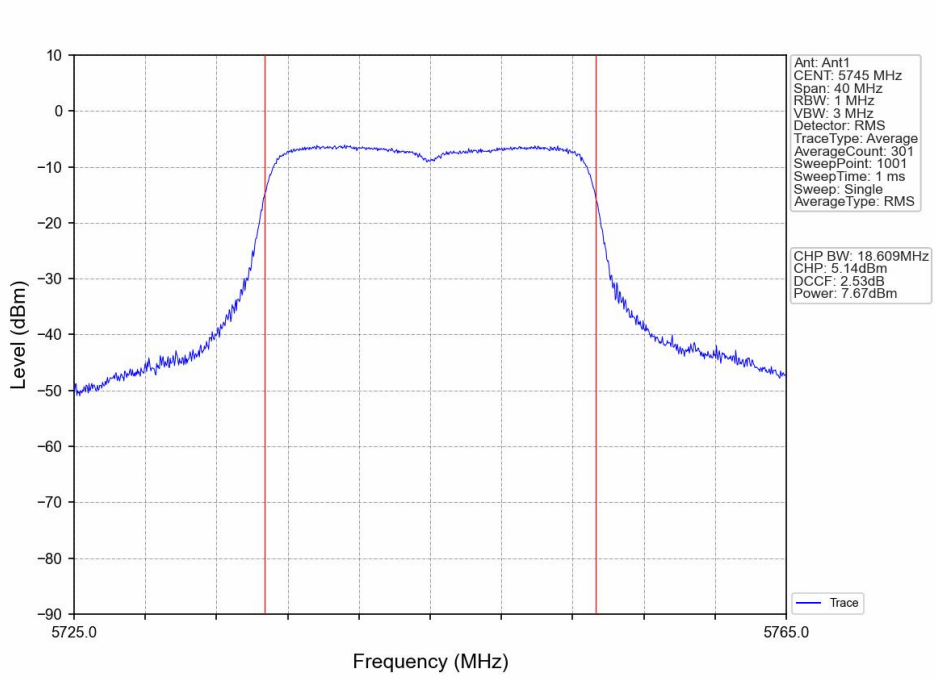


802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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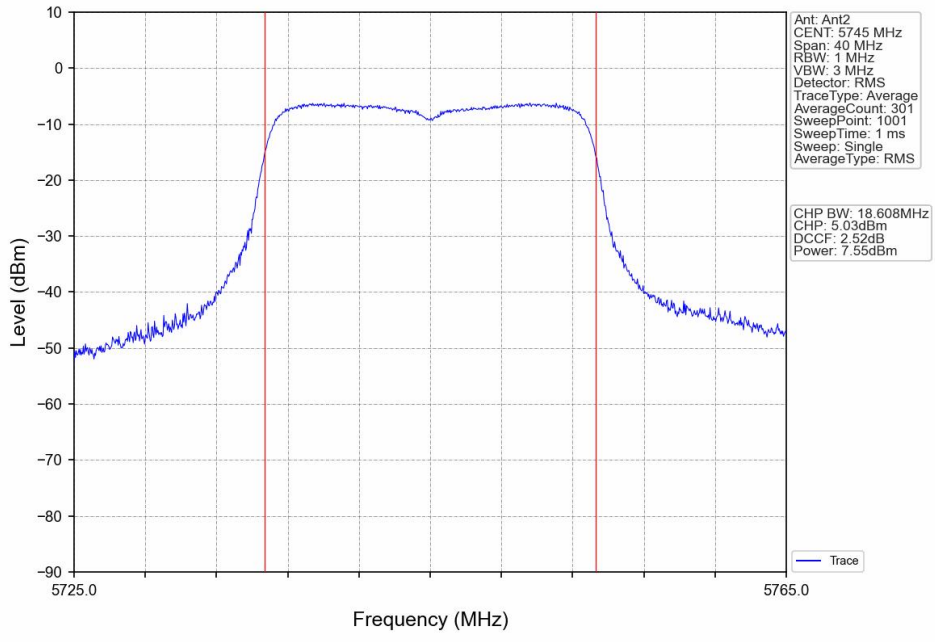

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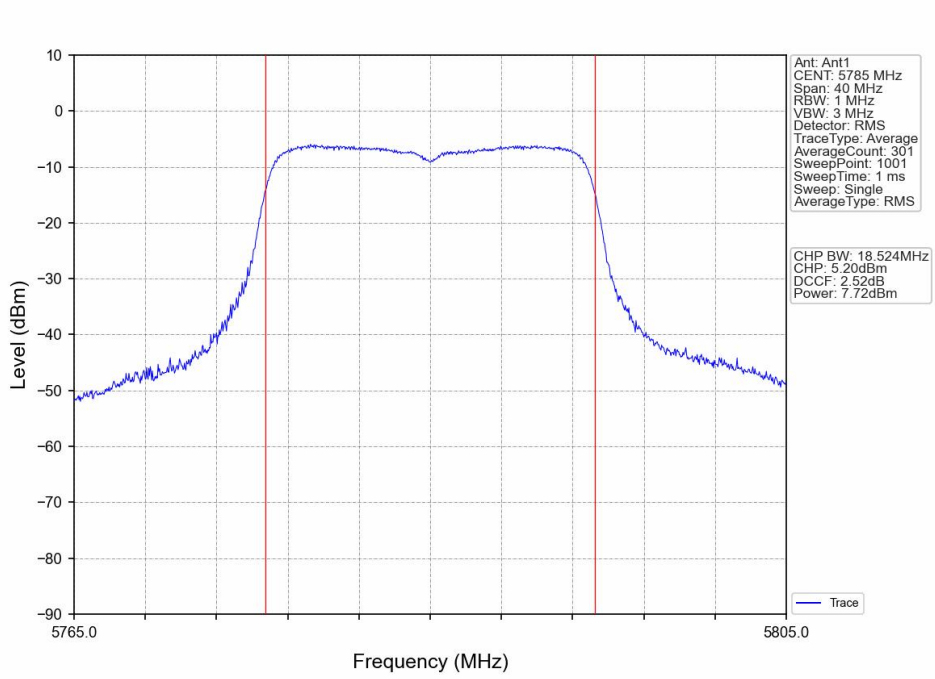

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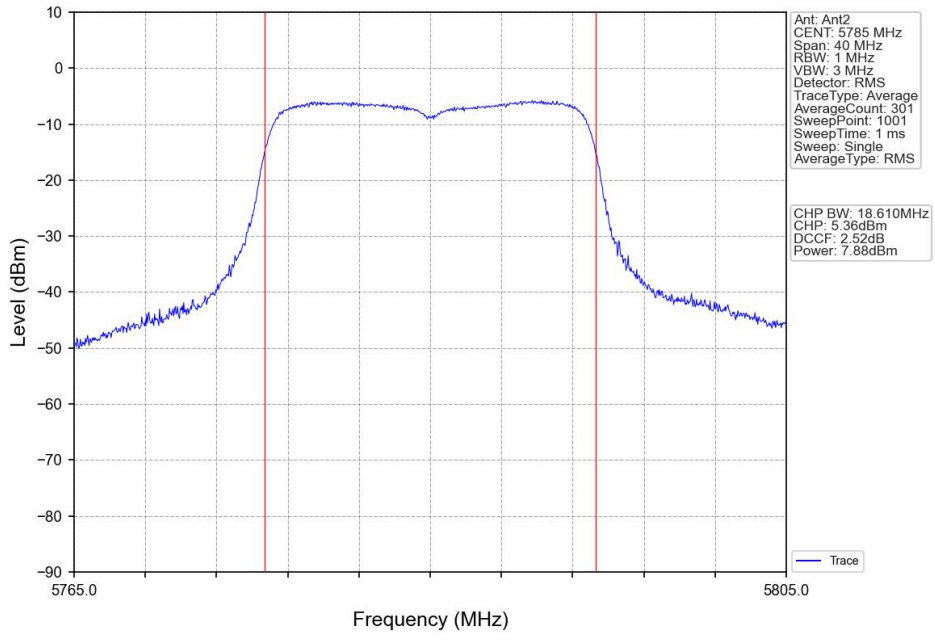

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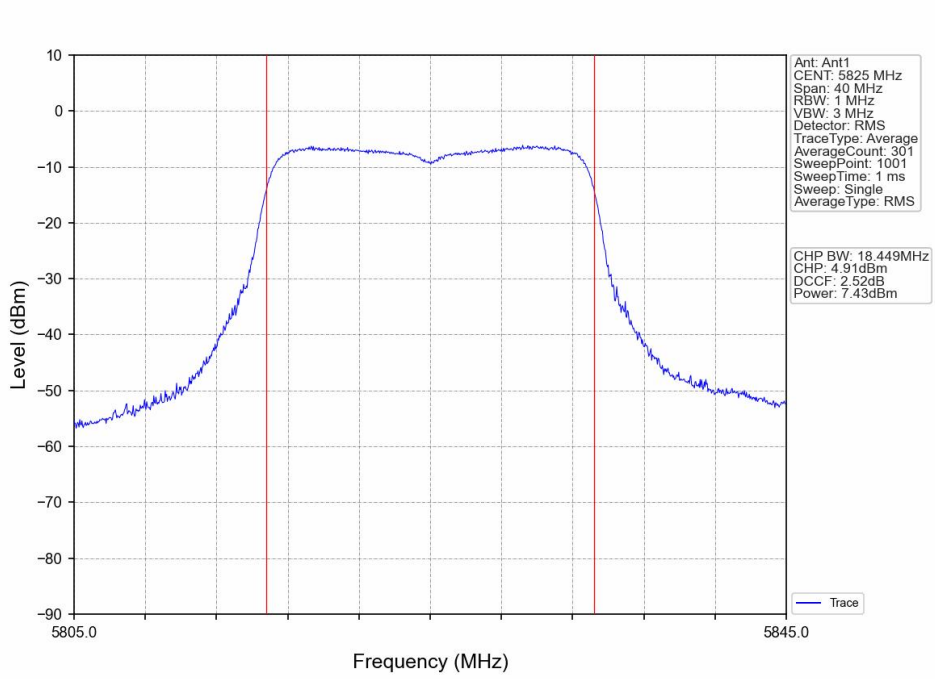

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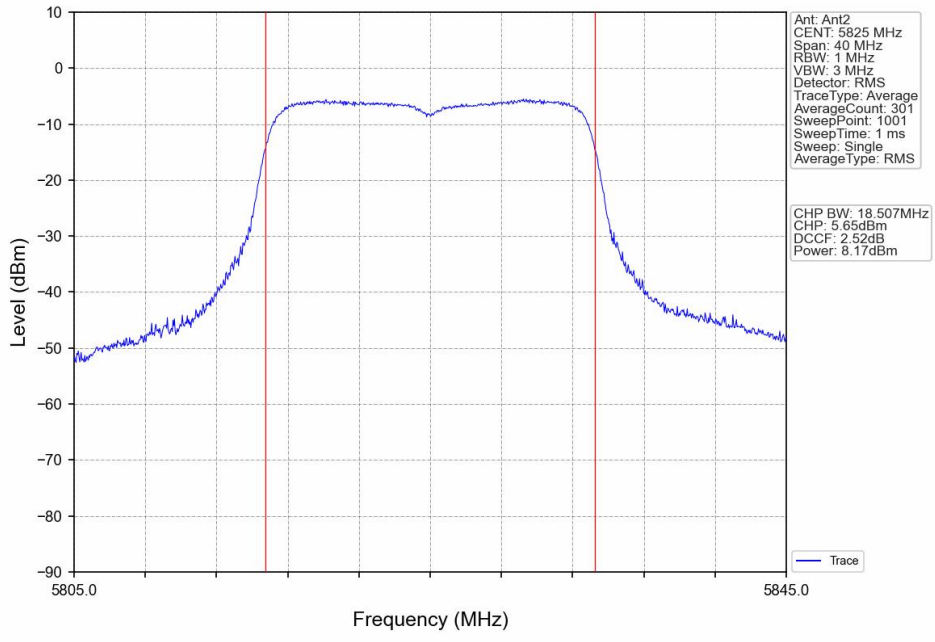
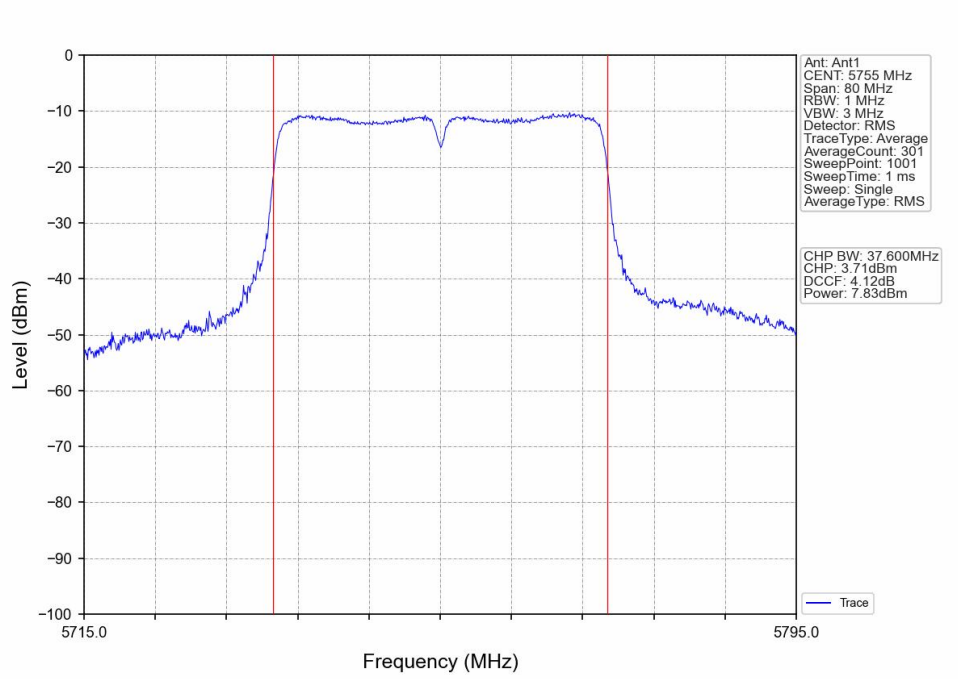


802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



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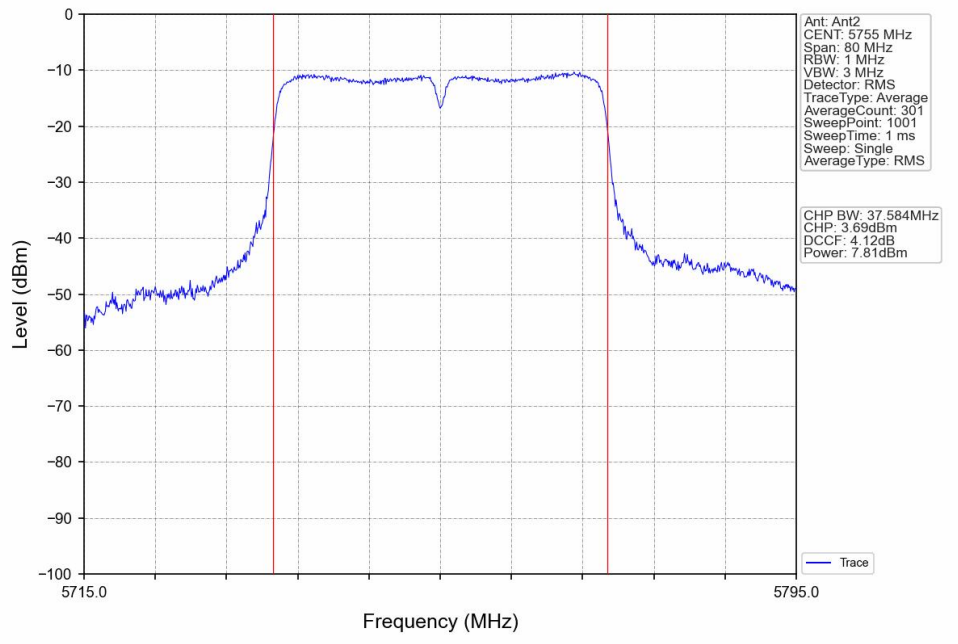

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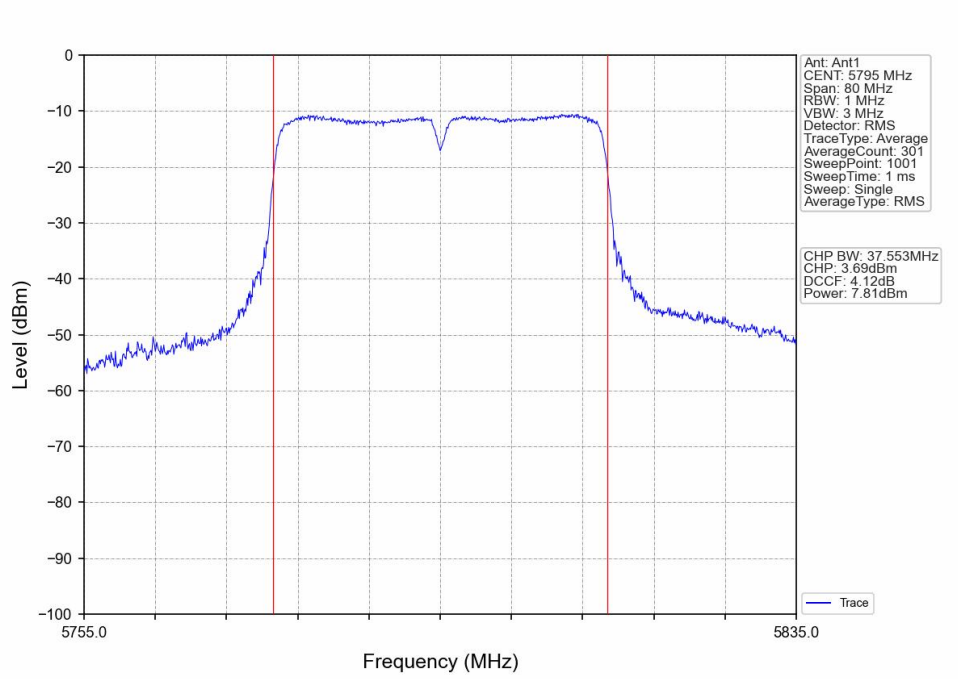
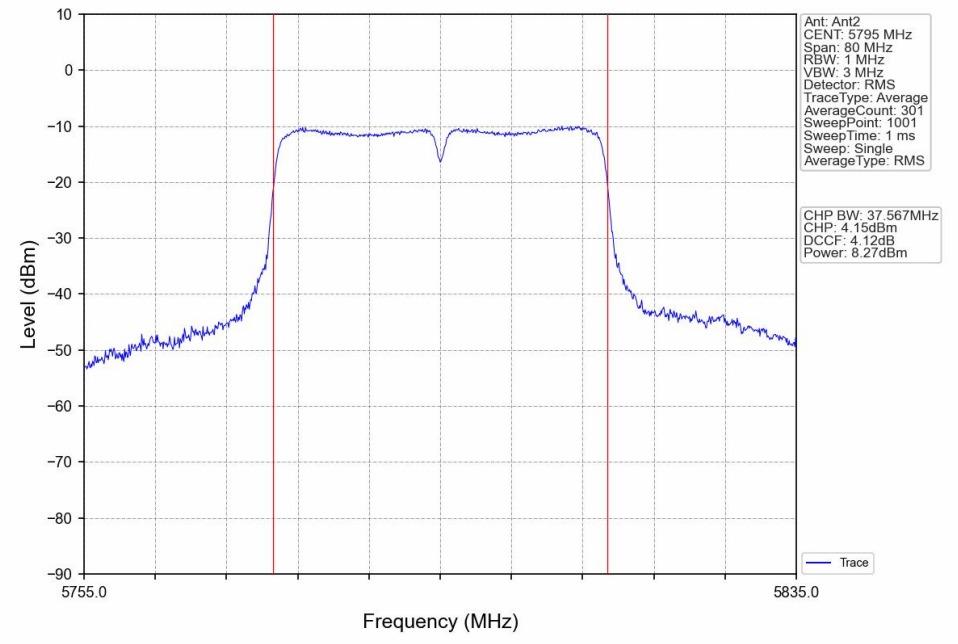
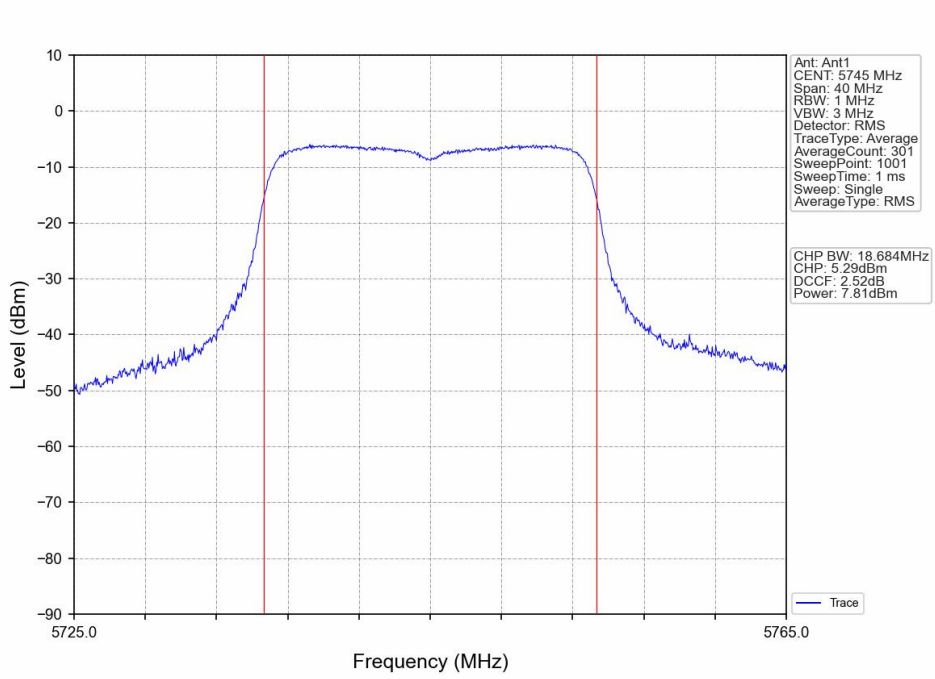


802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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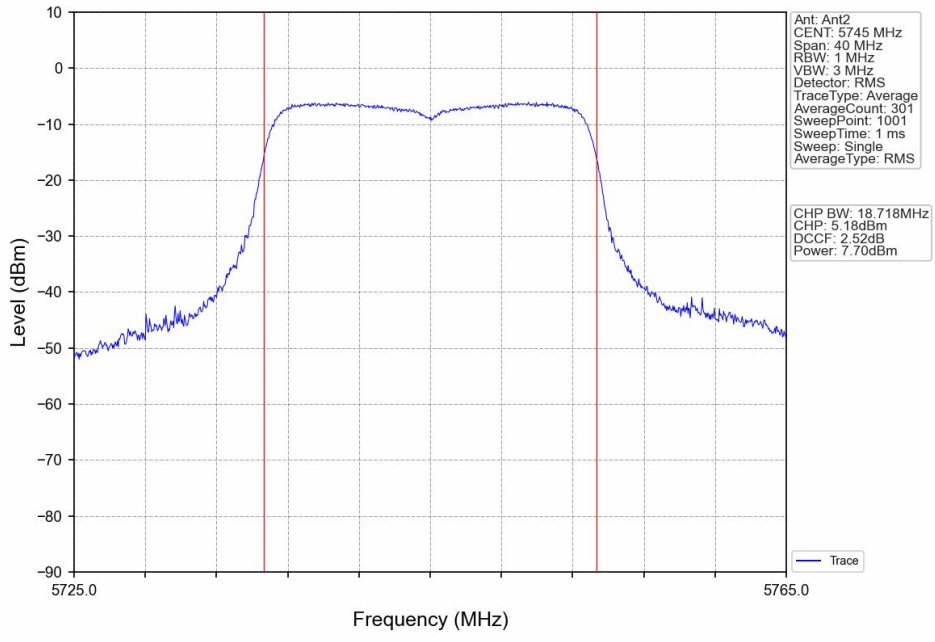
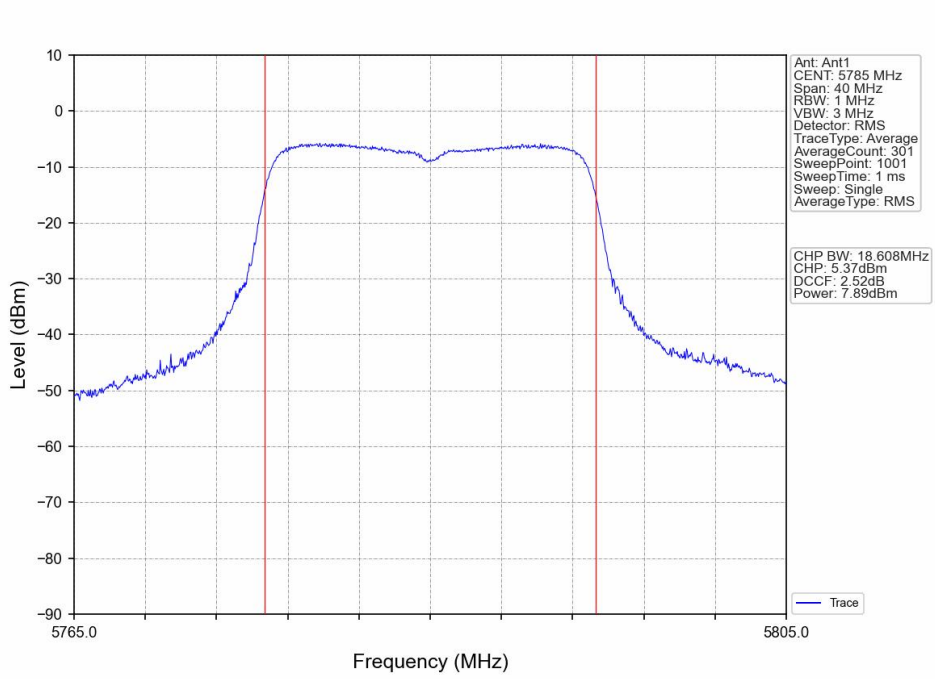
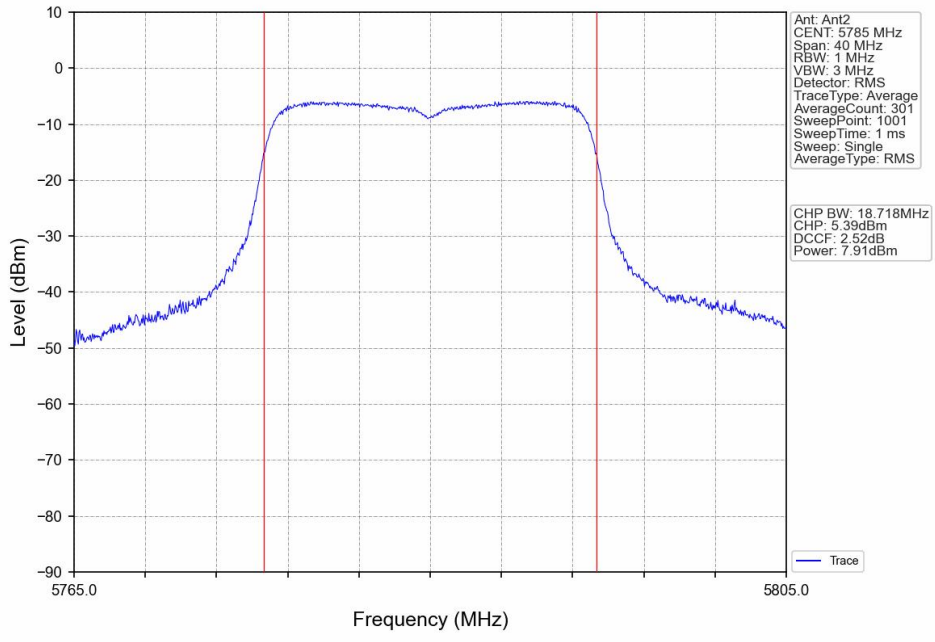


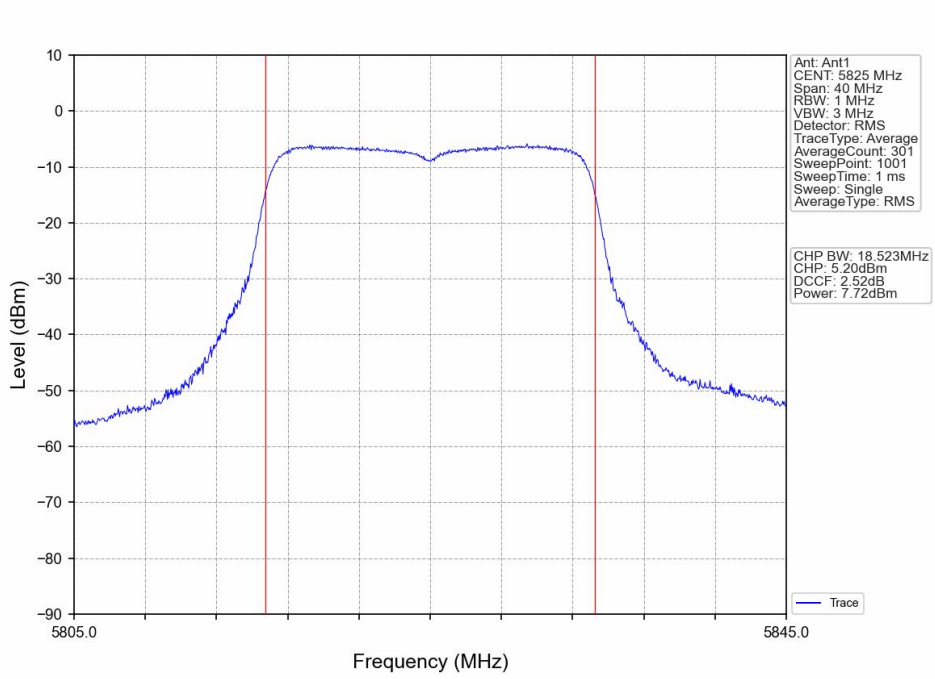
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



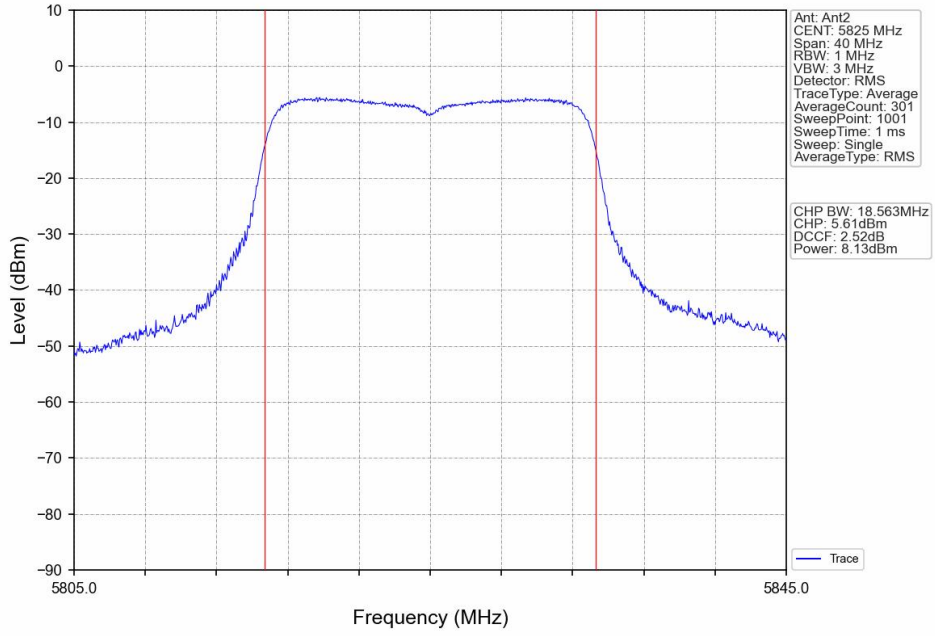
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



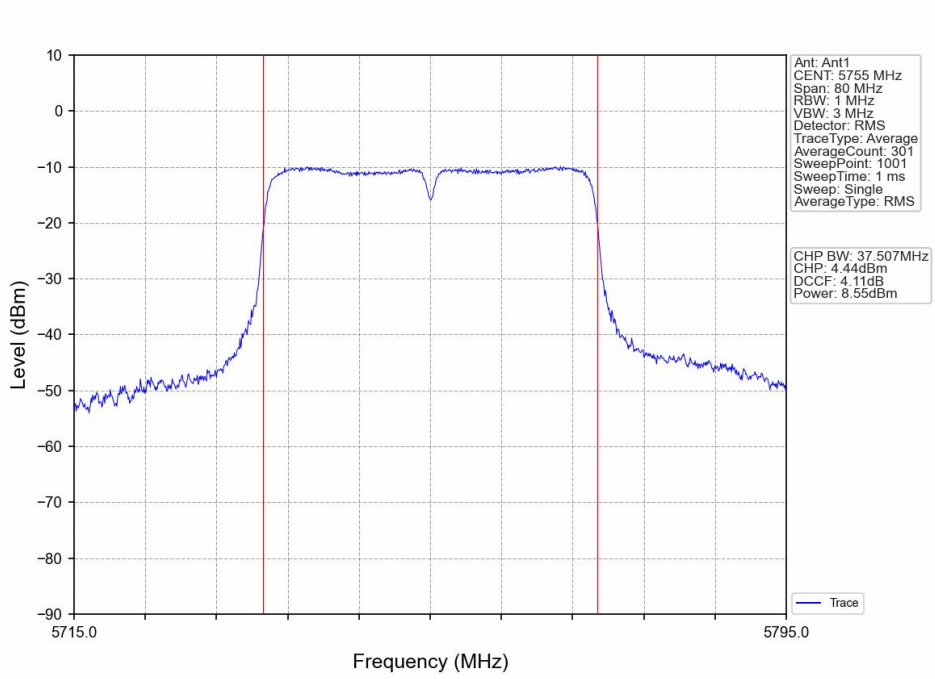
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



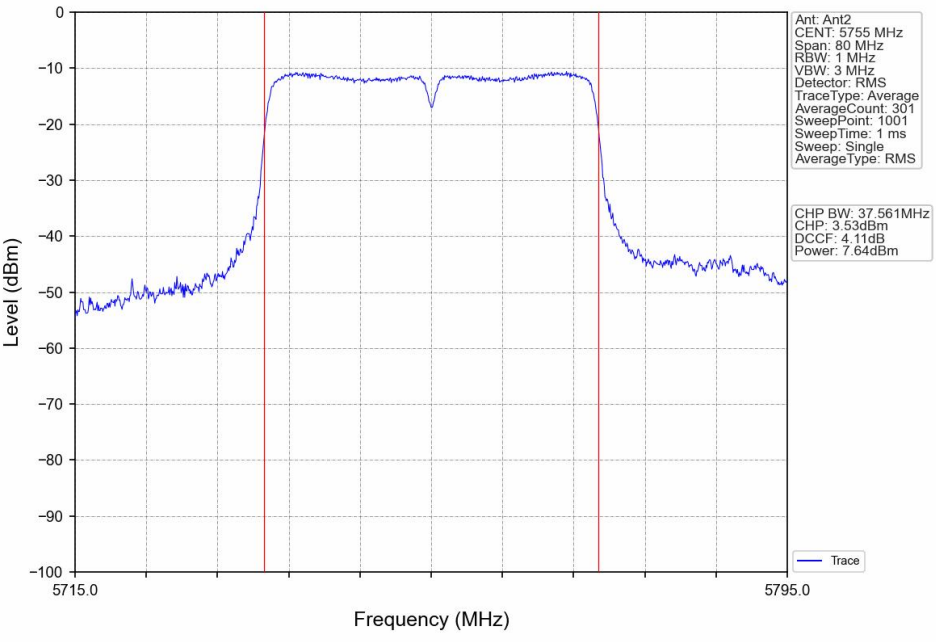
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



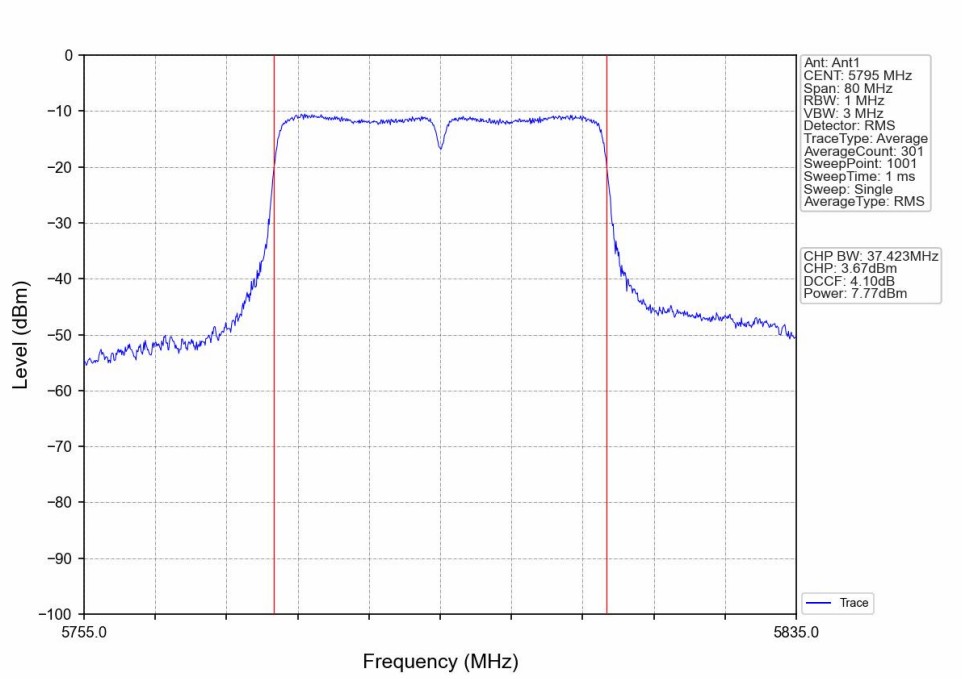
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



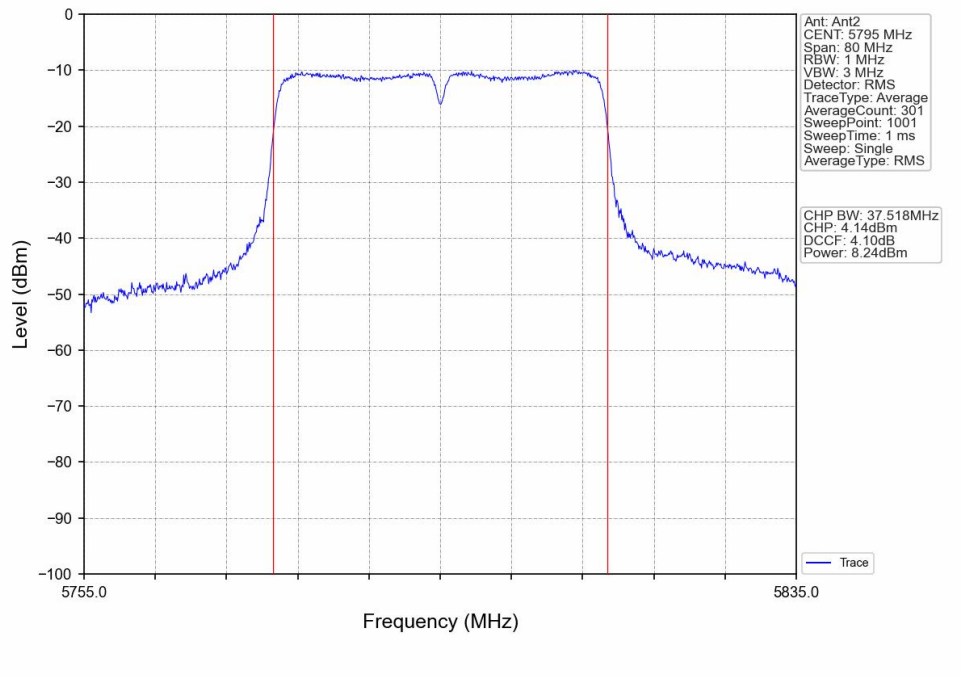
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



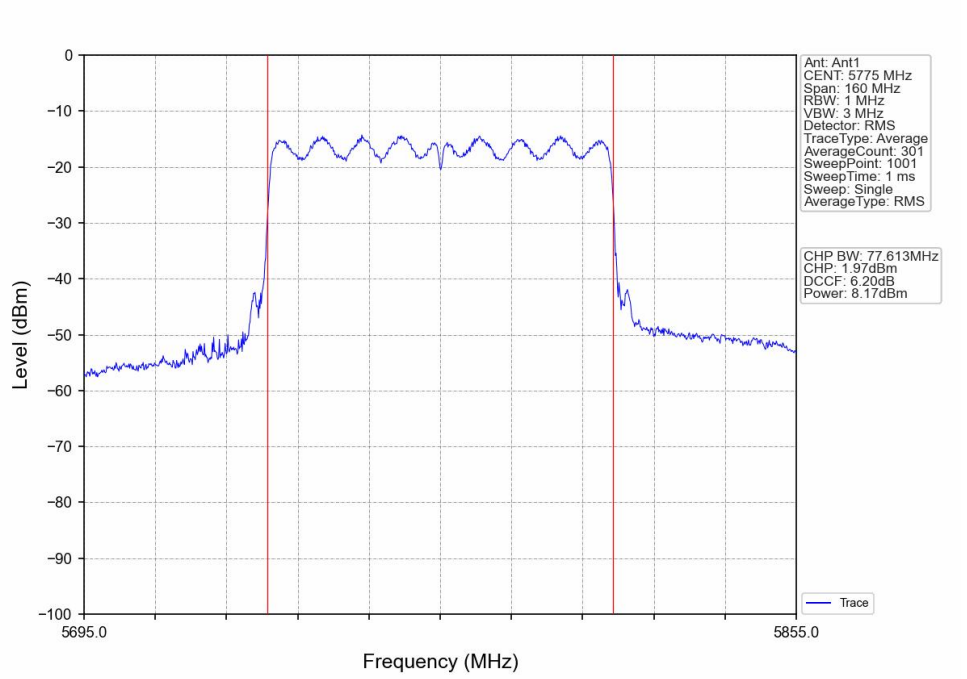
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



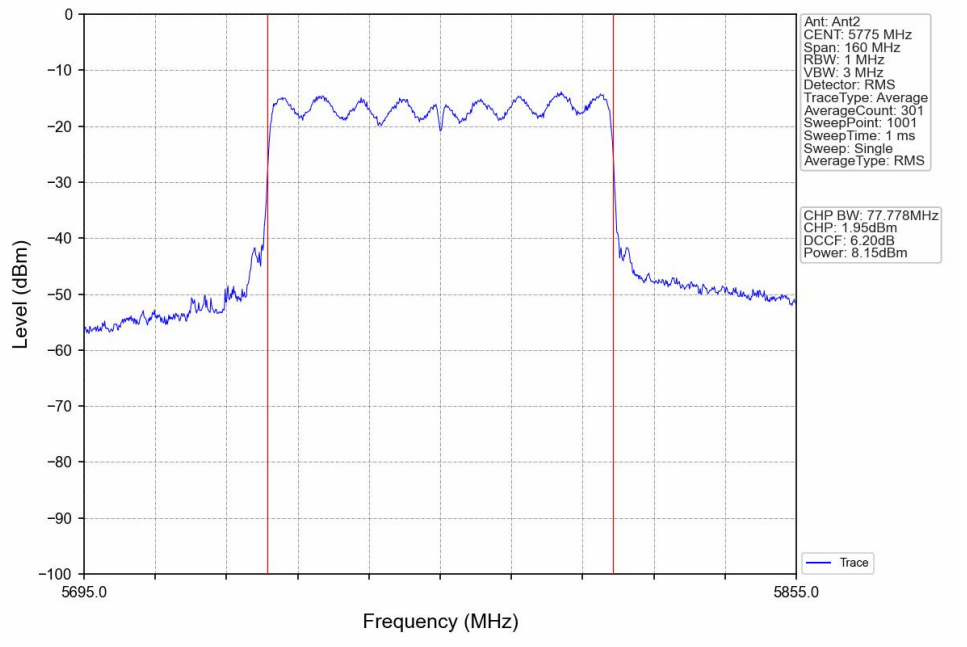
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



3. Maximum Power Spectral Density

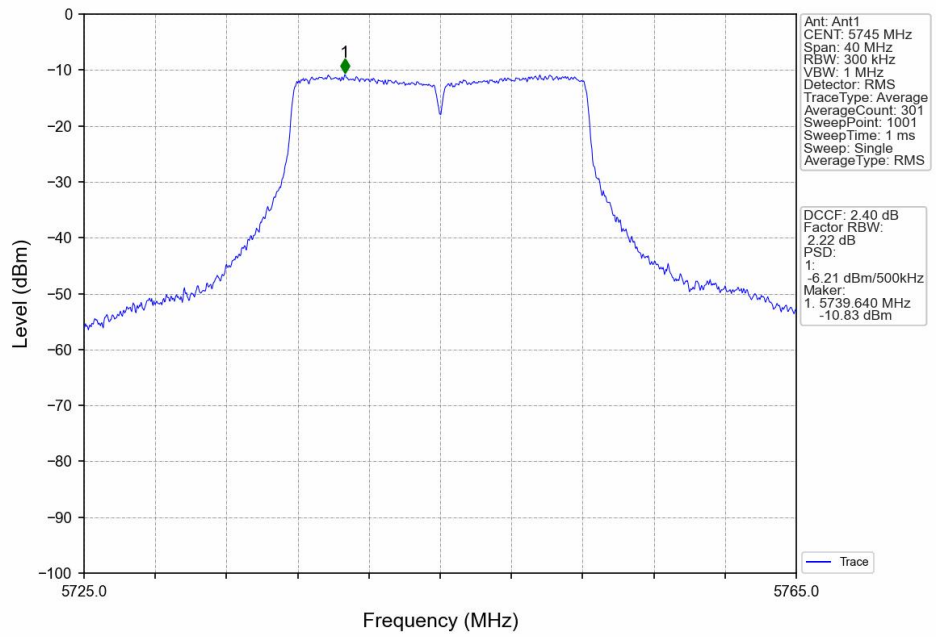
3.1 PSD-Band3

3.1.1 Test Result

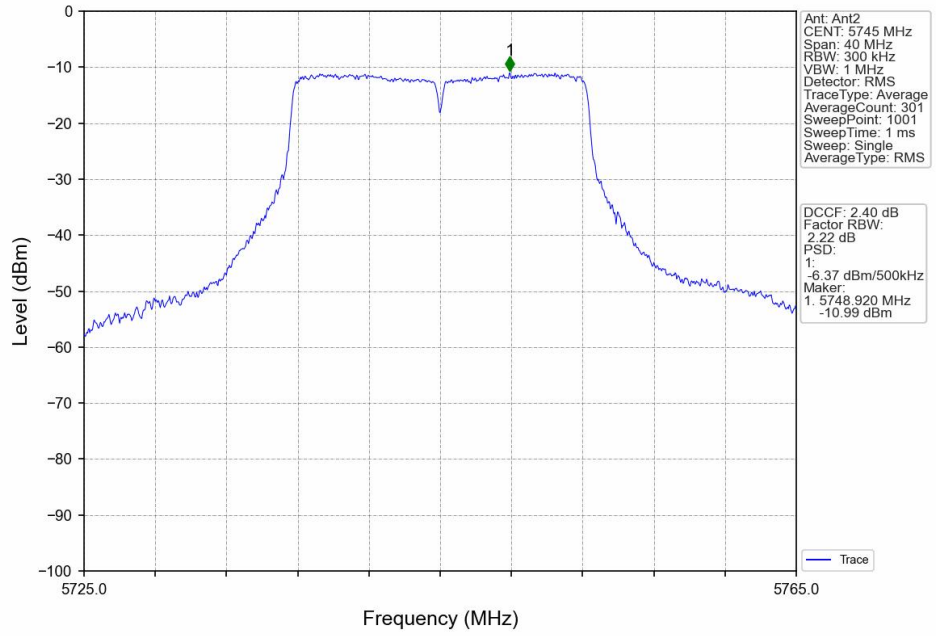
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Verdict
			ANT1	ANT2	Limit	
802.11a	SISO	5745	-6.21	-6.37	<=30	Pass
		5785	-6.14	-6.28	<=30	Pass
		5825	-6.70	-5.57	<=30	Pass
802.11n (HT20)	SISO	5745	-6.19	-6.60	<=30	Pass
		5785	-6.21	-6.21	<=30	Pass
		5825	-6.57	-6.08	<=30	Pass
802.11n (HT40)	SISO	5755	-9.24	-8.36	<=30	Pass
		5795	-9.29	-9.18	<=30	Pass
802.11ac (VHT20)	SISO	5745	-6.39	-6.59	<=30	Pass
		5785	-6.27	-5.96	<=30	Pass
		5825	-6.40	-5.55	<=30	Pass
802.11ac (VHT40)	SISO	5755	-8.48	-8.62	<=30	Pass
		5795	-9.16	-8.84	<=30	Pass
802.11ac (VHT80)	SISO	5775	-10.55	-10.28	<=30	Pass
Note1: Antenna Gain: Ant1: 1.26dBi; Ant2: 1.20dBi;						

3.1.2 Test Graph

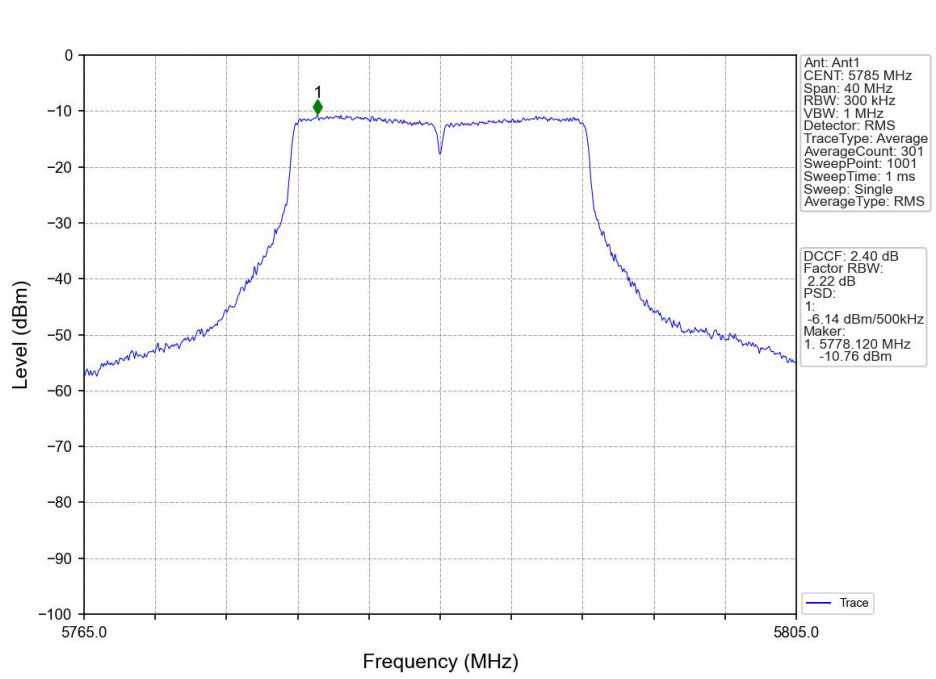
802.11a_LCH_5745MHz_Ant1_NTNV



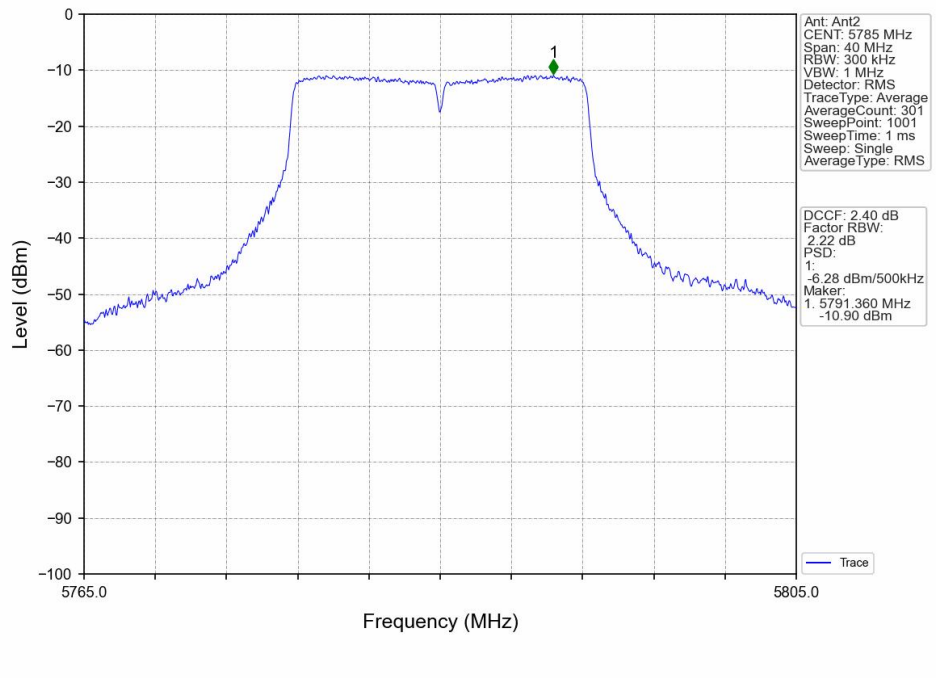
802.11a_LCH_5745MHz_Ant2_NTNV



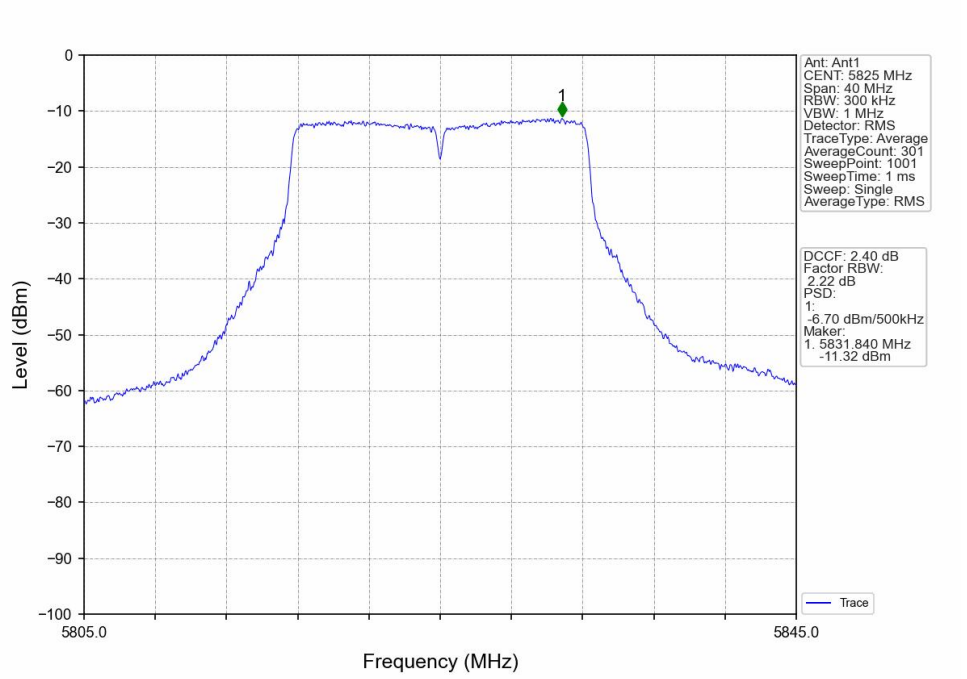
802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant2_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



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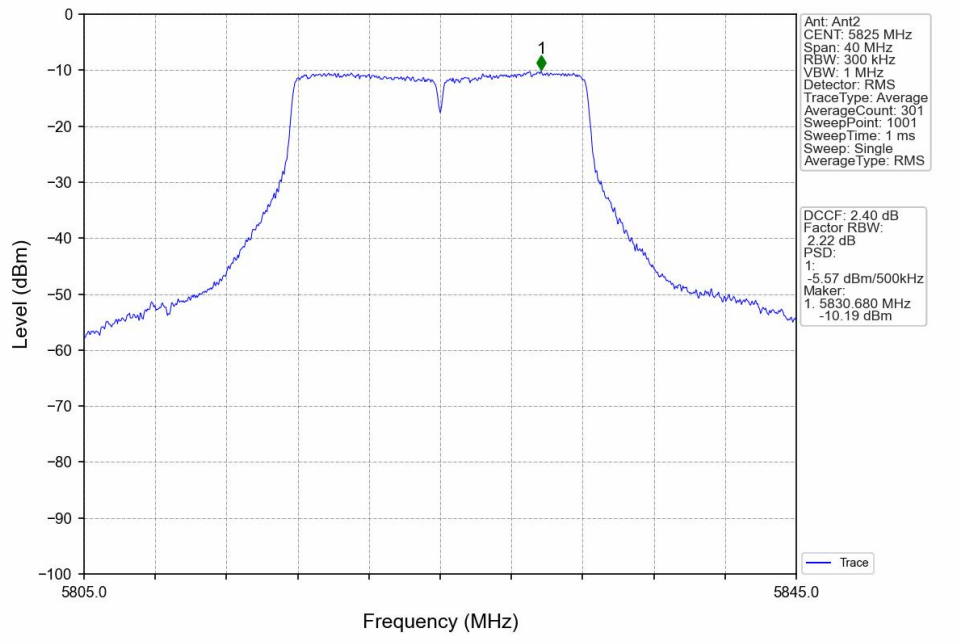
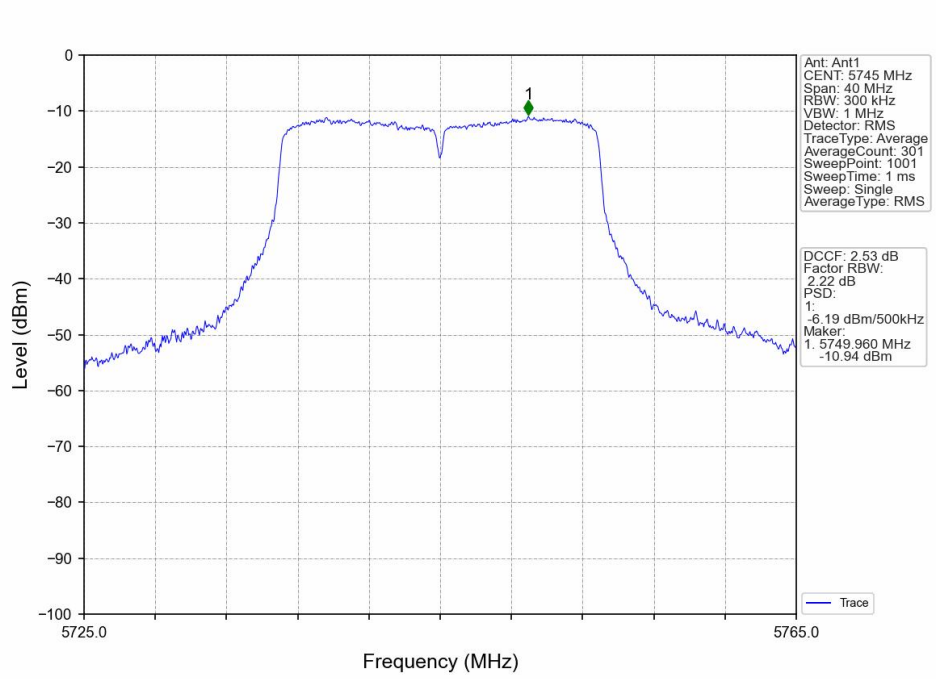
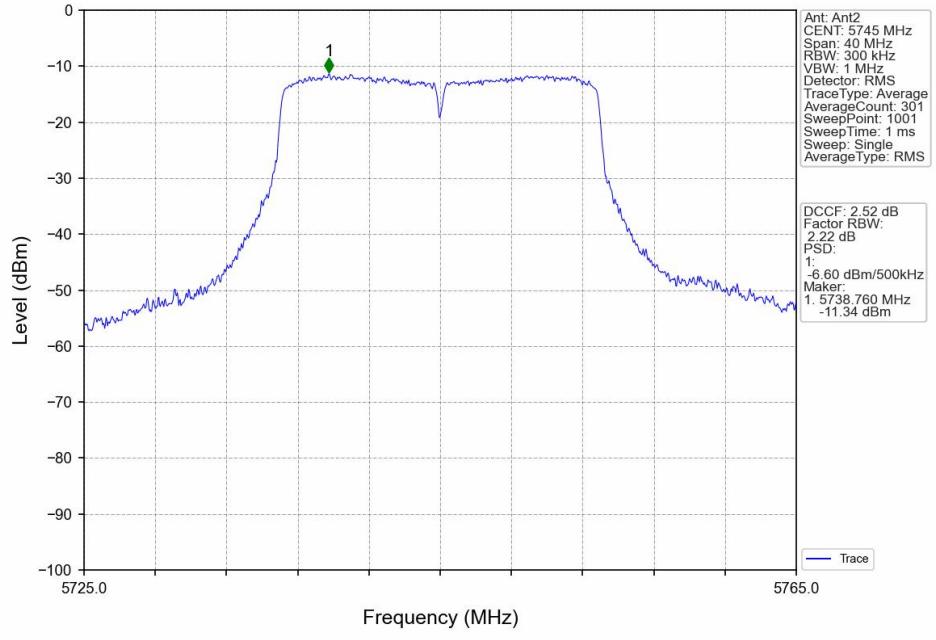


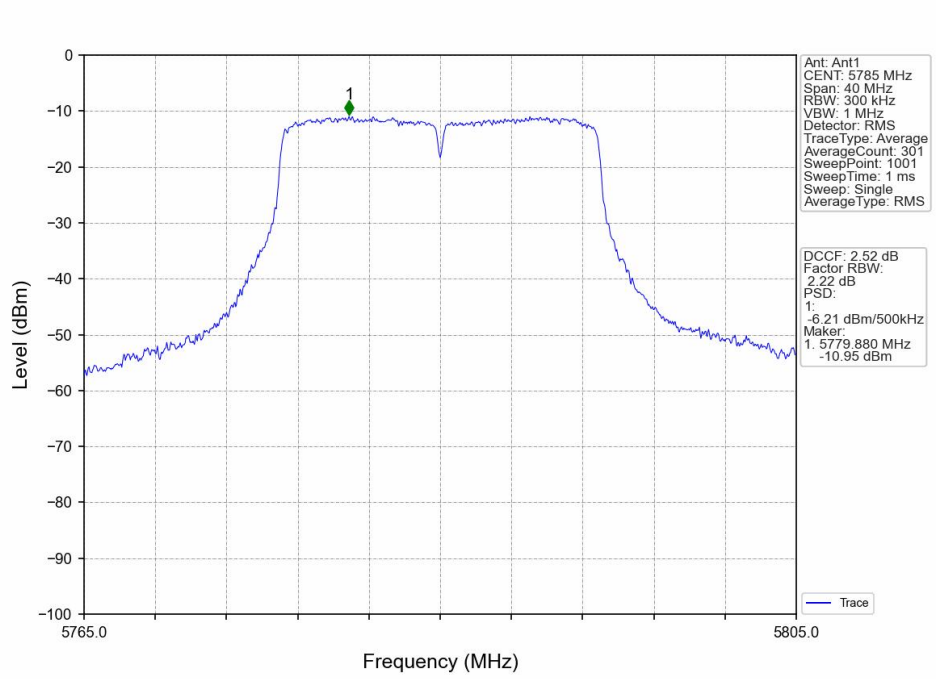
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



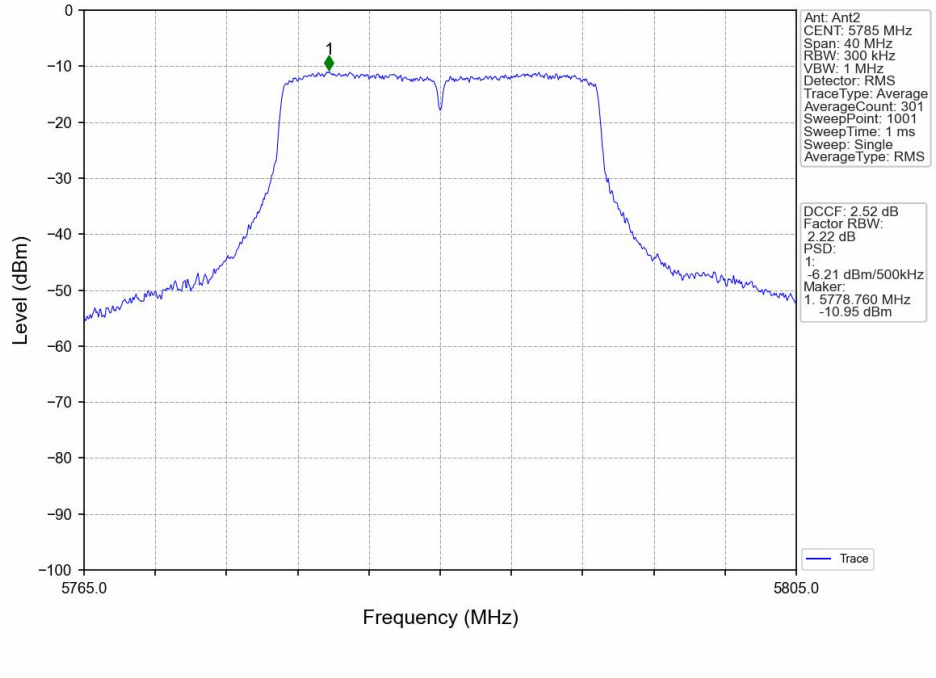
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



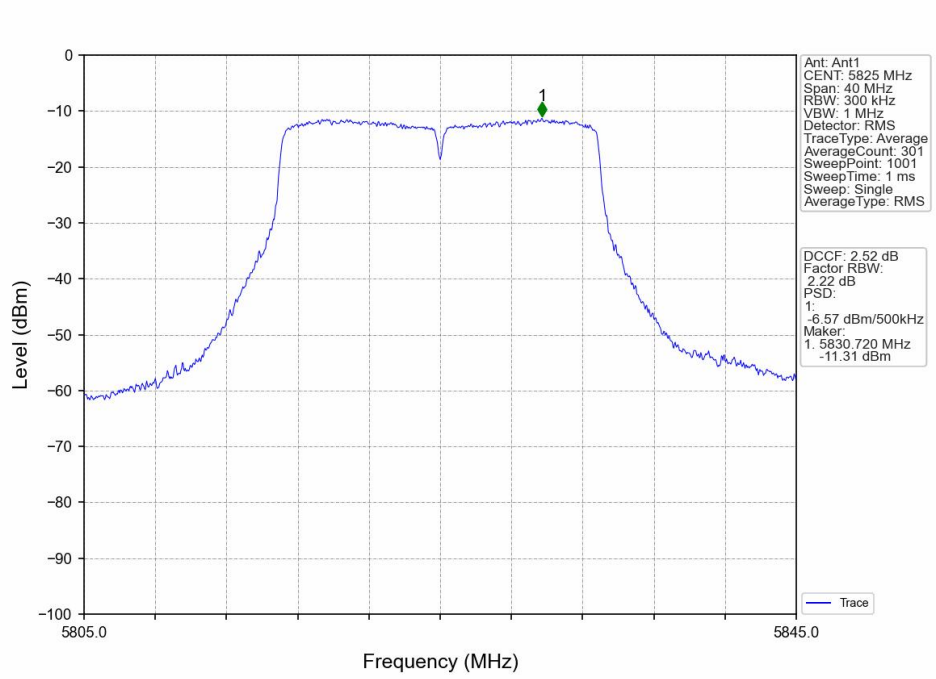
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



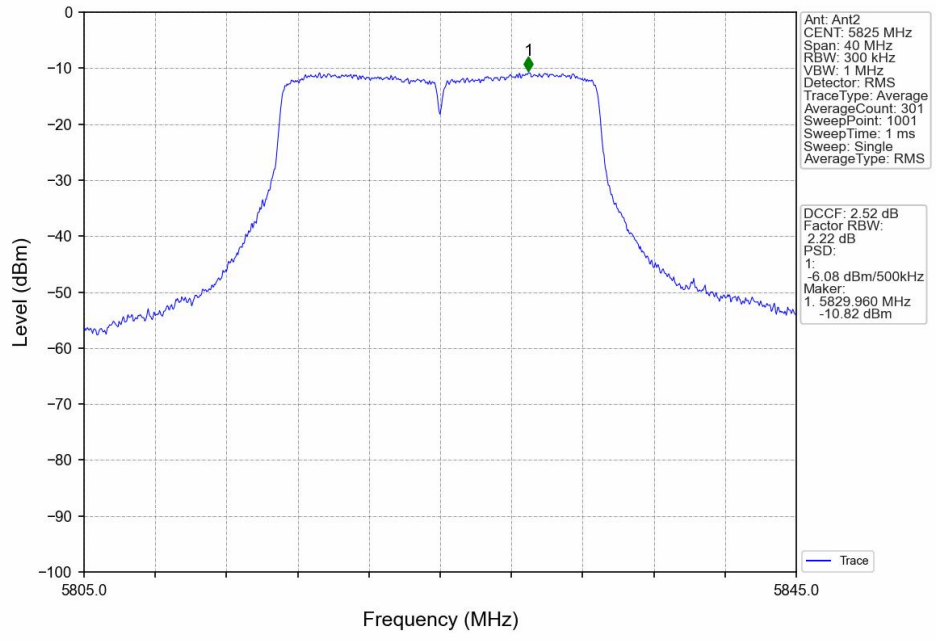
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



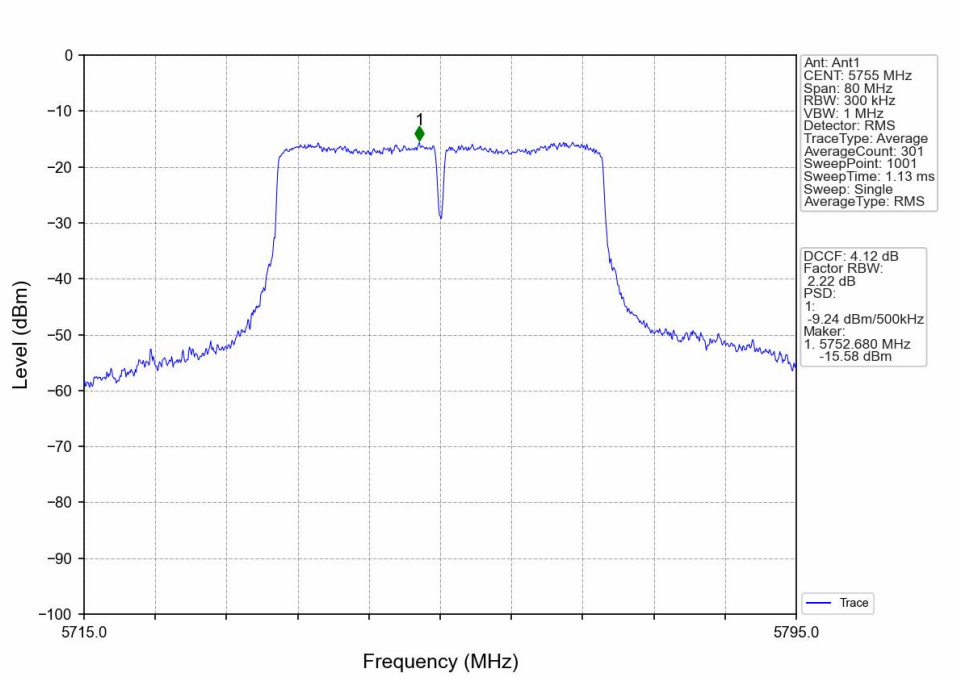
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



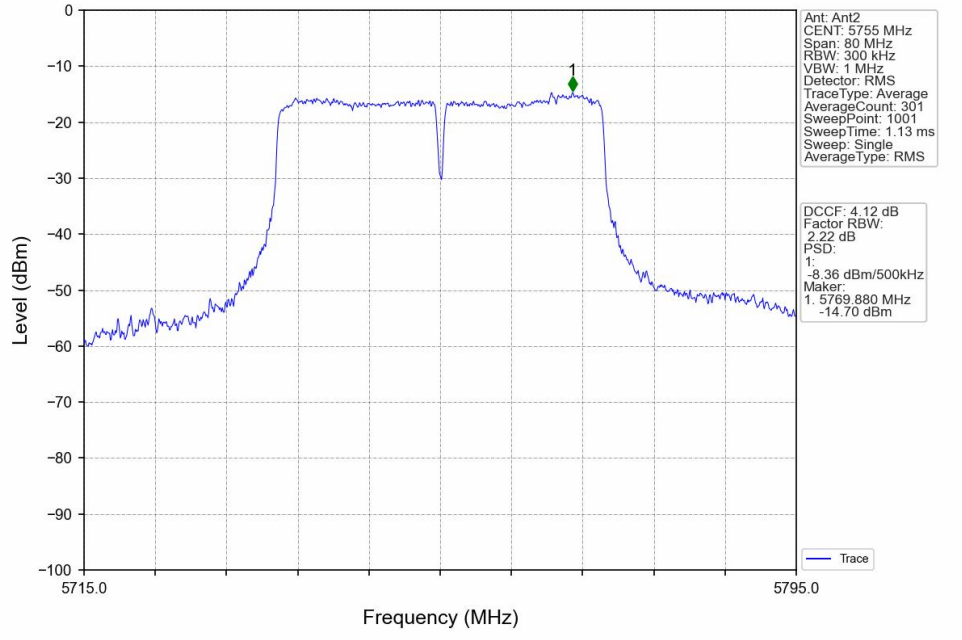
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



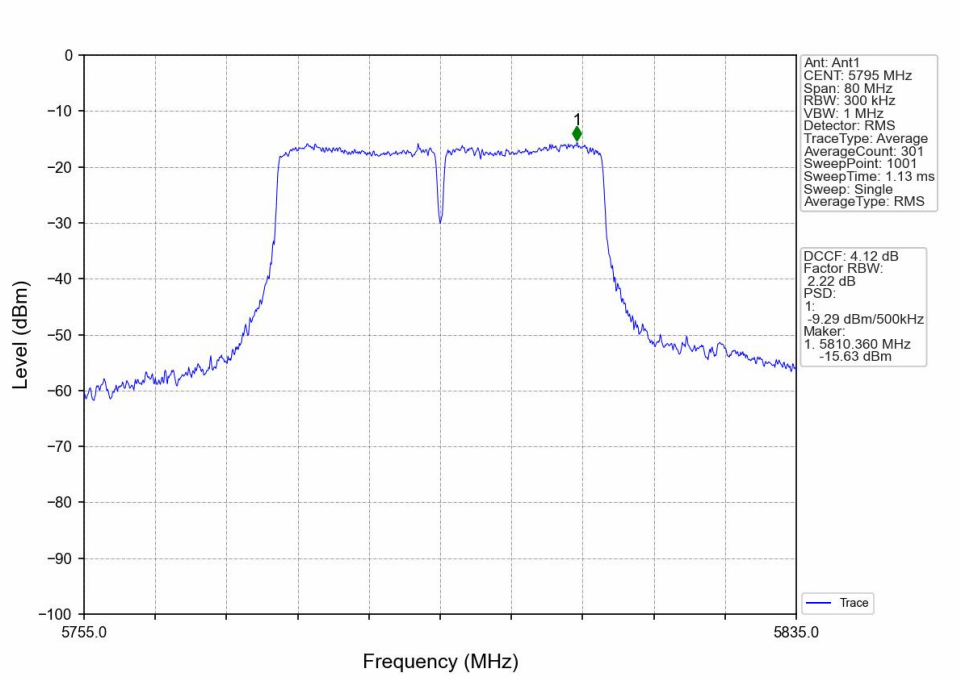
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



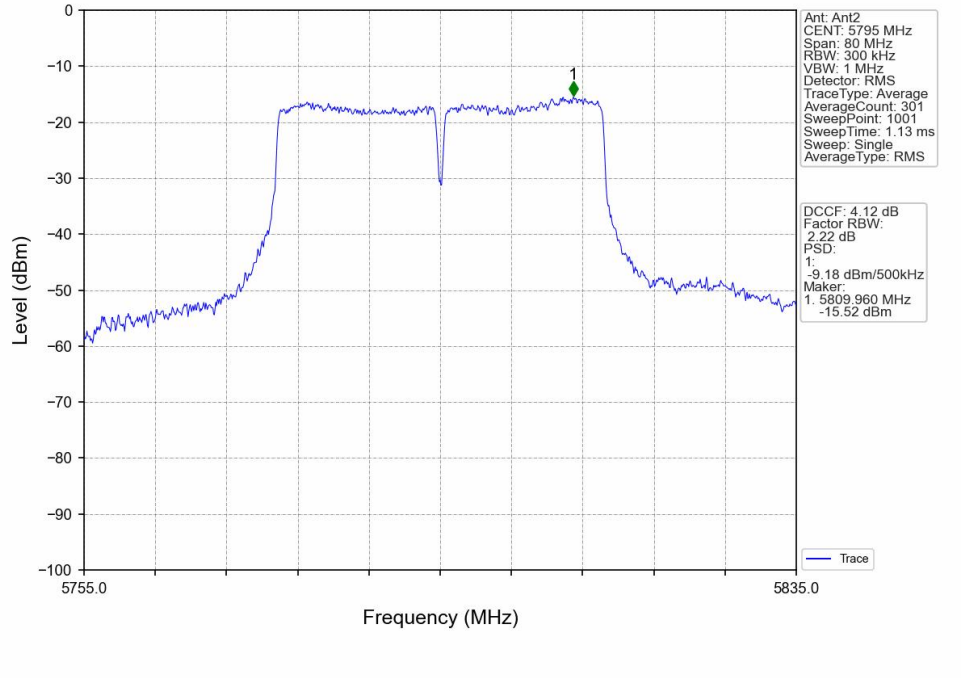
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



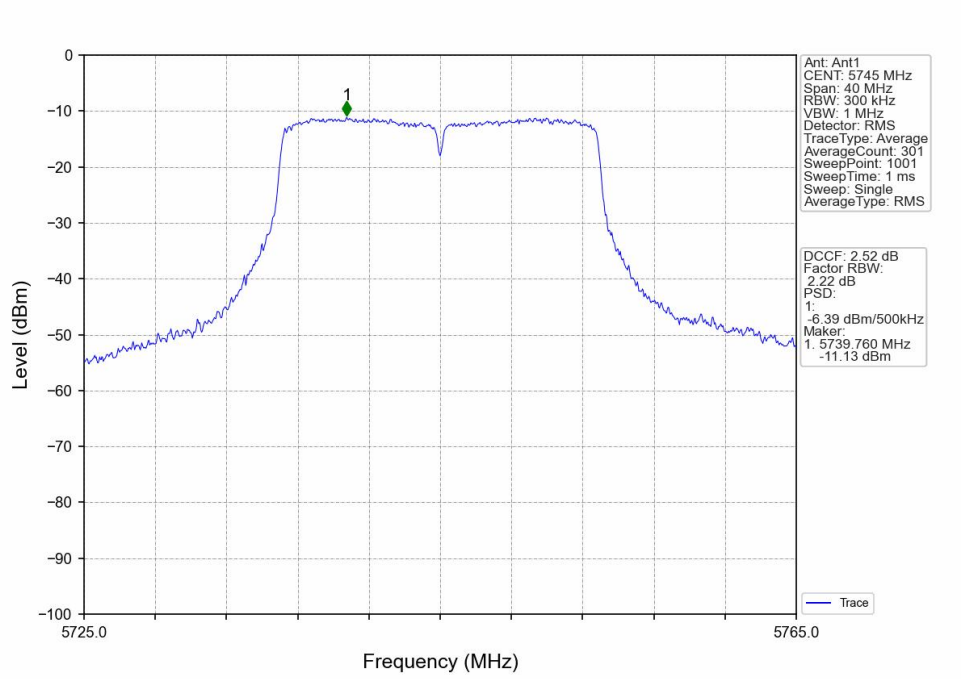
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



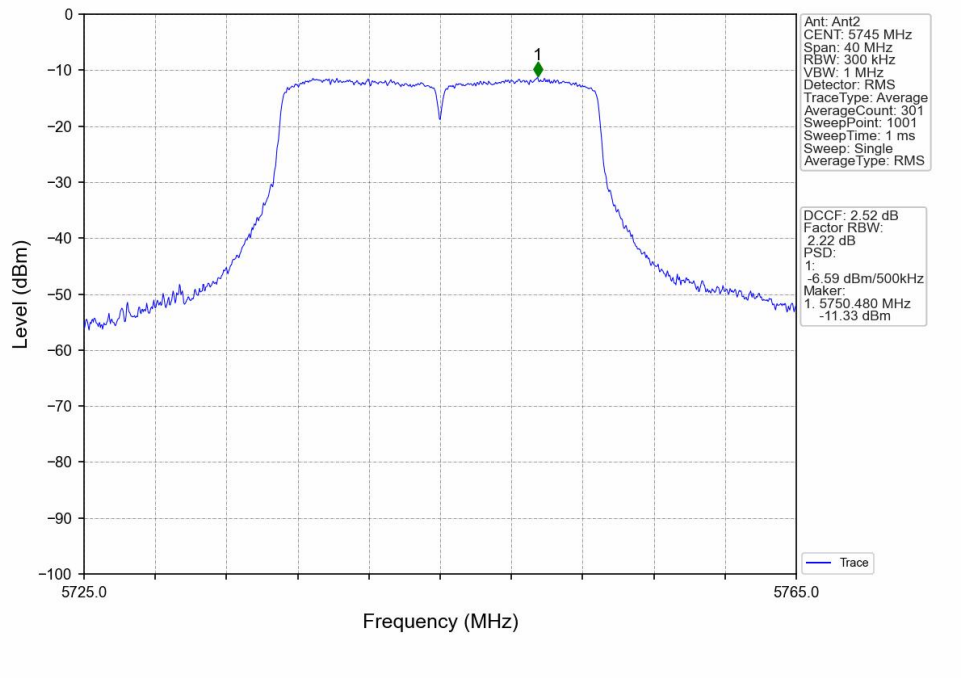
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



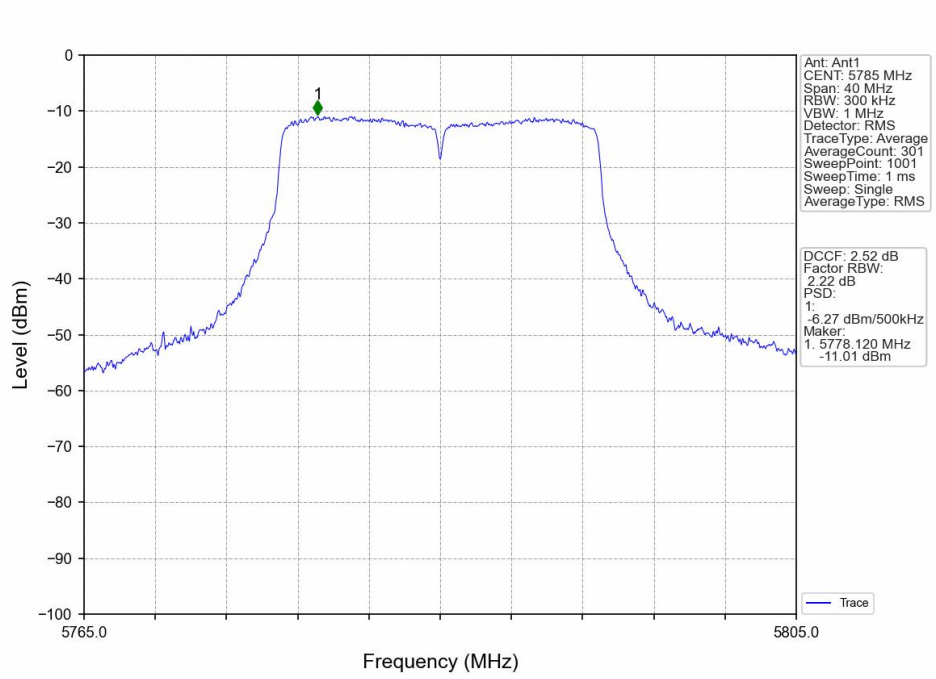
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



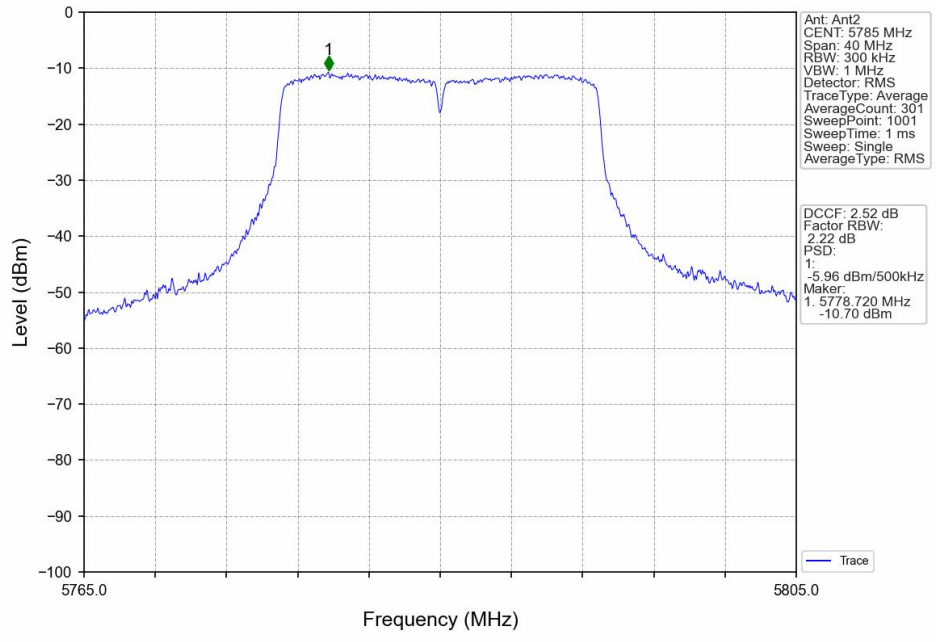
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



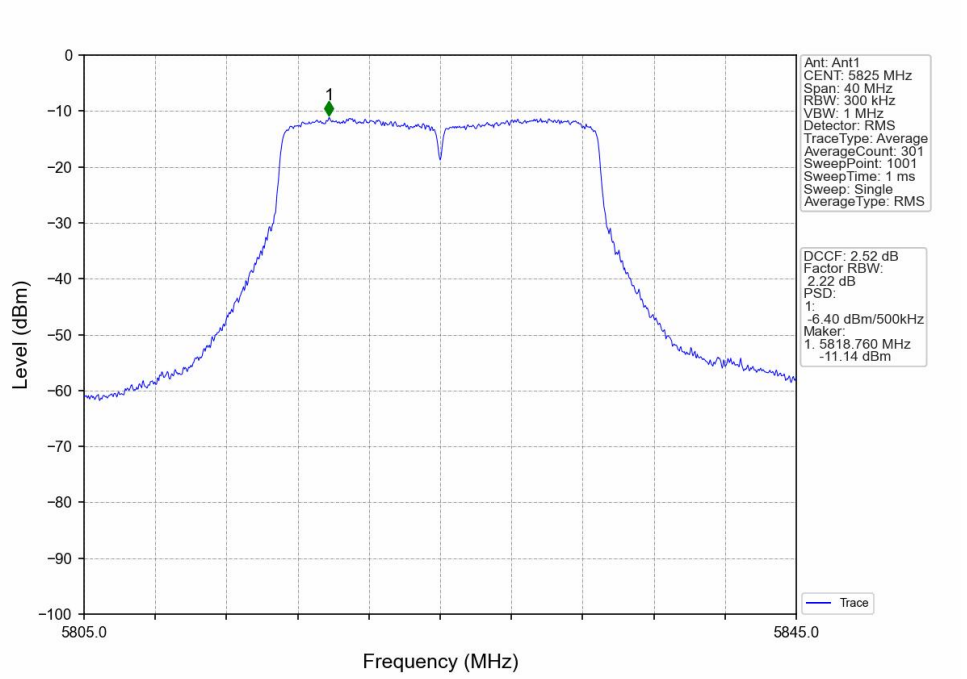
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



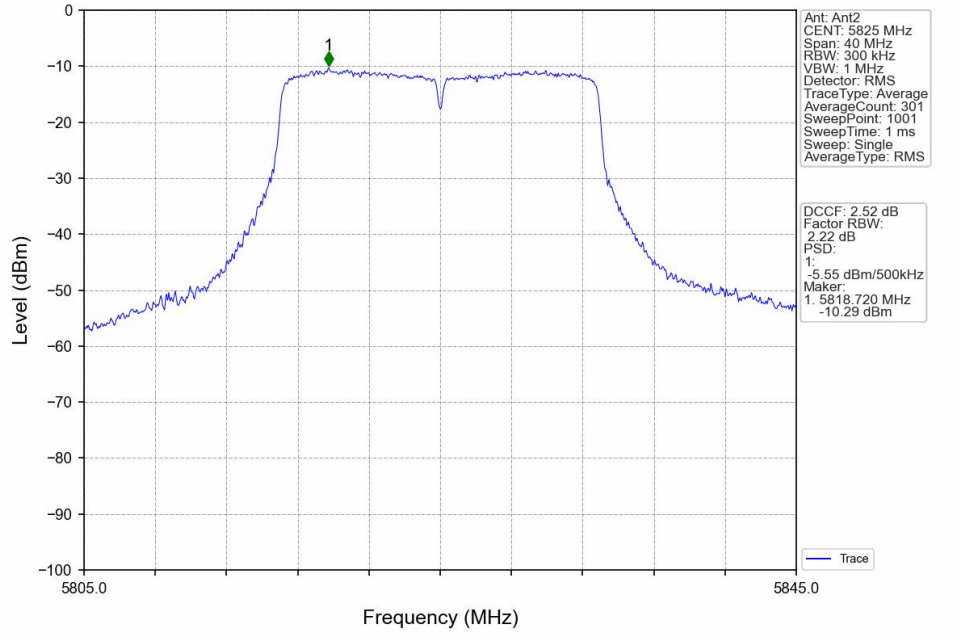
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



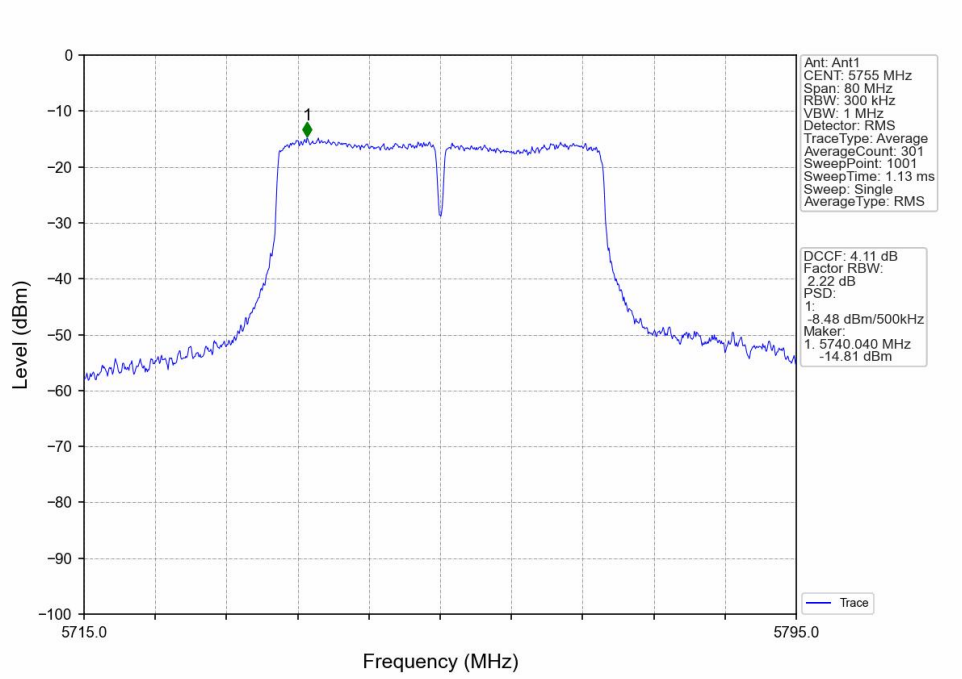
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



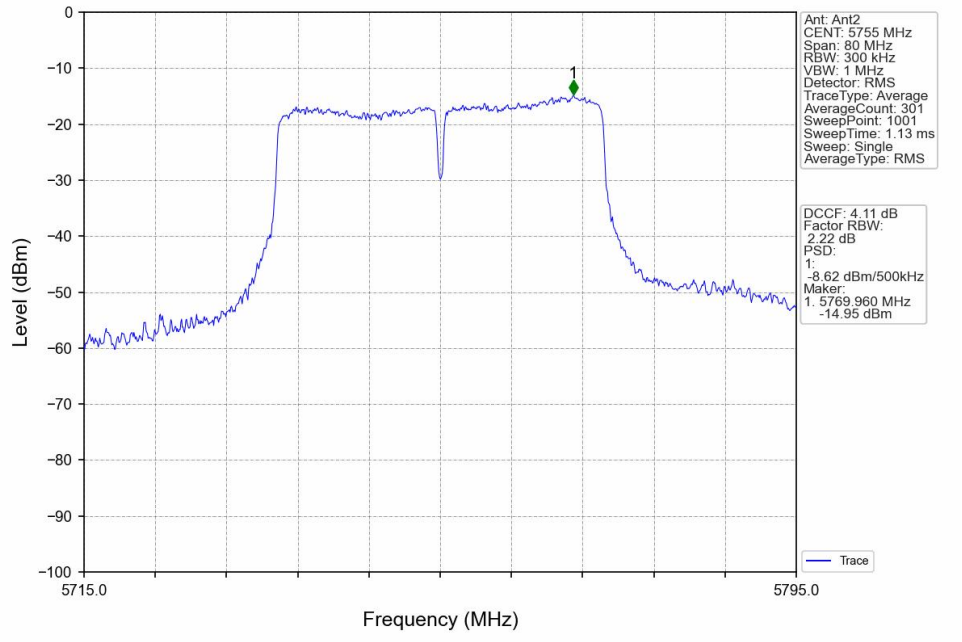
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



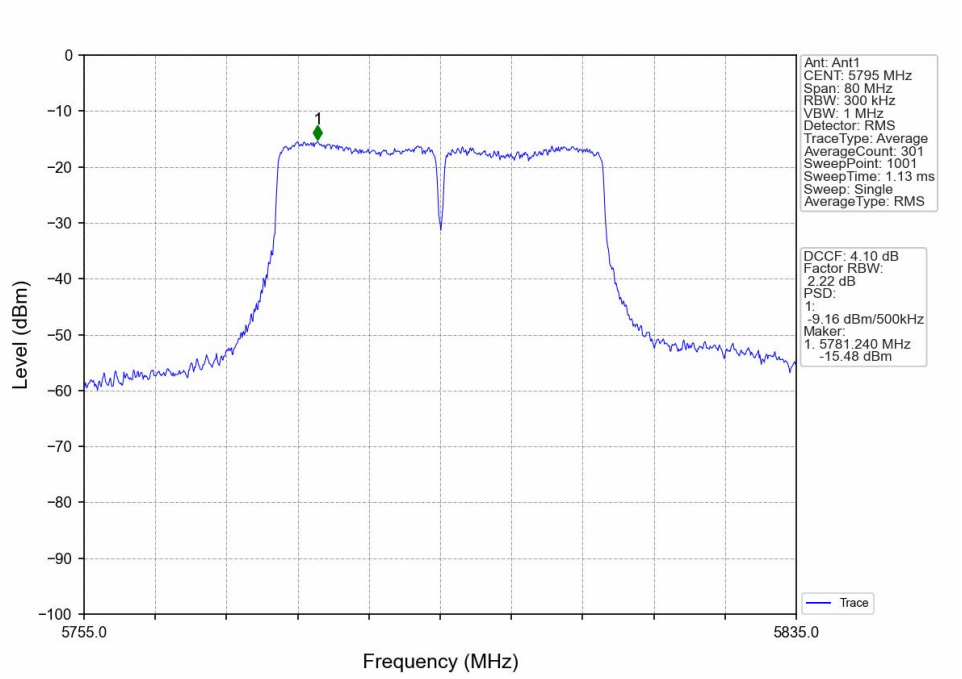
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



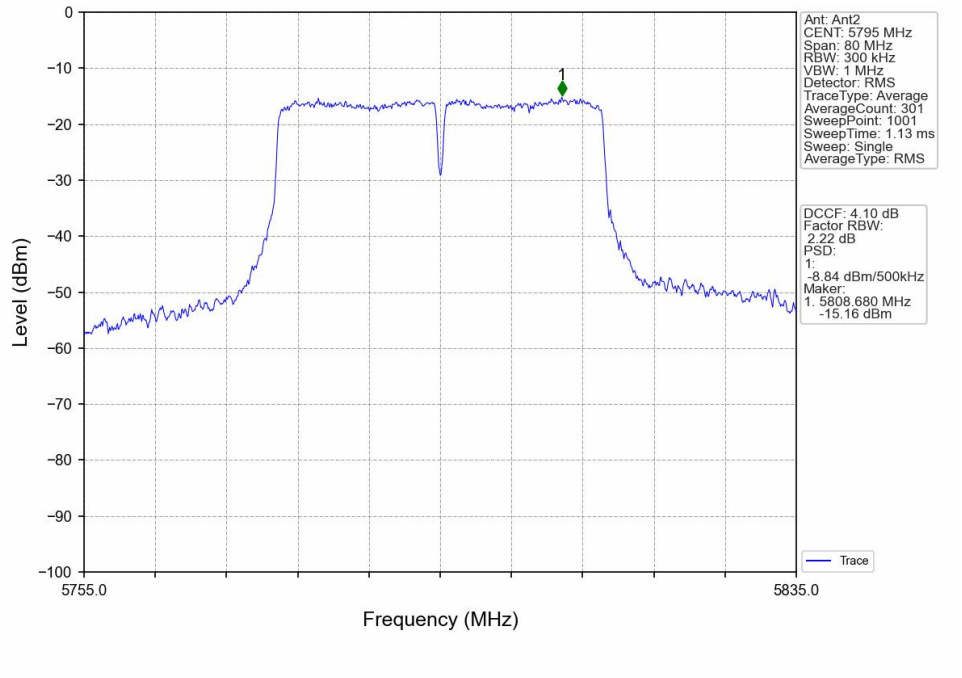
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



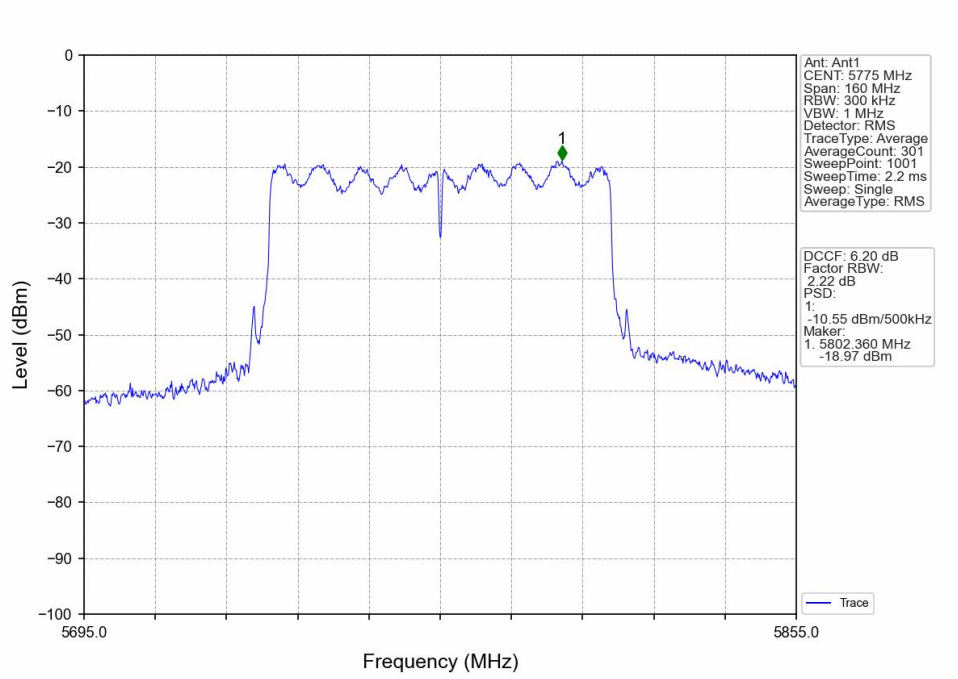
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



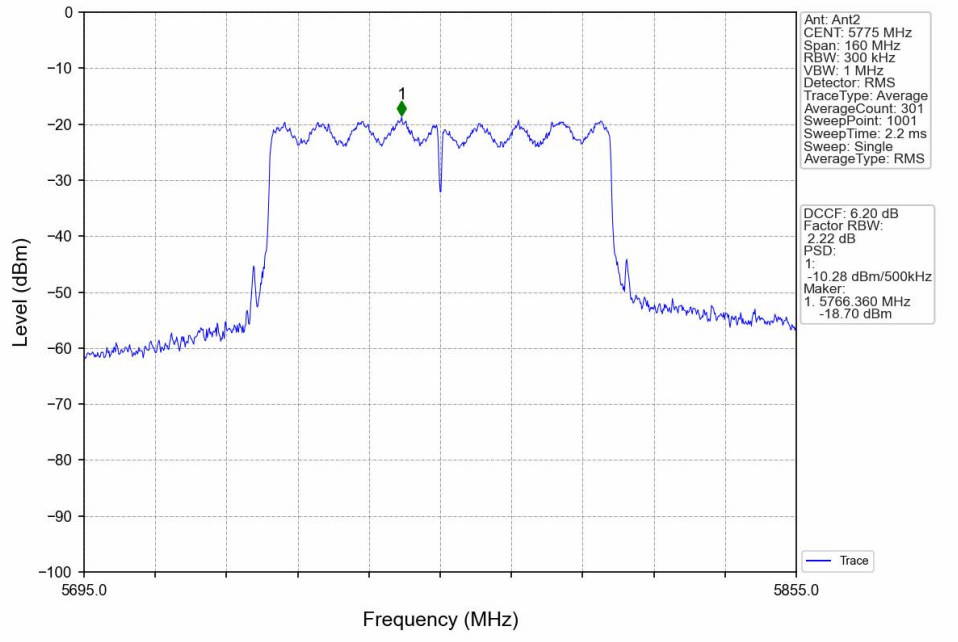
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_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	5744.951	5725 to 5850	Pass
				120	5744.951	5725 to 5850	Pass
				138	5744.951	5725 to 5850	Pass
			-30	120	5744.951	5725 to 5850	Pass
			-20	120	5744.951	5725 to 5850	Pass
			-10	120	5744.951	5725 to 5850	Pass
			0	120	5744.951	5725 to 5850	Pass
			10	120	5744.951	5725 to 5850	Pass
			30	120	5744.951	5725 to 5850	Pass
			40	120	5744.951	5725 to 5850	Pass
			50	120	5744.951	5725 to 5850	Pass
		5785	20	102	5784.951	5725 to 5850	Pass
				120	5784.951	5725 to 5850	Pass
				138	5784.951	5725 to 5850	Pass
			-30	120	5784.950	5725 to 5850	Pass
			-20	120	5784.950	5725 to 5850	Pass
			-10	120	5784.950	5725 to 5850	Pass
			0	120	5784.950	5725 to 5850	Pass
			10	120	5784.950	5725 to 5850	Pass
			30	120	5784.950	5725 to 5850	Pass
			40	120	5784.950	5725 to 5850	Pass
			50	120	5784.950	5725 to 5850	Pass
		5825	20	102	5824.950	5725 to 5850	Pass
				120	5824.950	5725 to 5850	Pass
				138	5824.950	5725 to 5850	Pass
			-30	120	5824.950	5725 to 5850	Pass
			-20	120	5824.950	5725 to 5850	Pass
			-10	120	5824.950	5725 to 5850	Pass
			0	120	5824.950	5725 to 5850	Pass
			10	120	5824.950	5725 to 5850	Pass
			30	120	5824.950	5725 to 5850	Pass
			40	120	5824.950	5725 to 5850	Pass
			50	120	5824.950	5725 to 5850	Pass
		5755	20	102	5754.965	5725 to 5850	Pass
				120	5754.965	5725 to 5850	Pass
				138	5754.965	5725 to 5850	Pass
			-30	120	5754.965	5725 to 5850	Pass
			-20	120	5754.965	5725 to 5850	Pass
			-10	120	5754.965	5725 to 5850	Pass
			0	120	5754.965	5725 to 5850	Pass
			10	120	5754.965	5725 to 5850	Pass
			30	120	5754.965	5725 to 5850	Pass
			40	120	5754.965	5725 to 5850	Pass
			50	120	5754.965	5725 to 5850	Pass
		5795	20	102	5794.966	5725 to 5850	Pass
				120	5794.966	5725 to 5850	Pass

				138	5794.965	5725 to 5850	Pass
			-30	120	5794.965	5725 to 5850	Pass
			-20	120	5794.965	5725 to 5850	Pass
			-10	120	5794.965	5725 to 5850	Pass
			0	120	5794.965	5725 to 5850	Pass
			10	120	5794.965	5725 to 5850	Pass
			30	120	5794.965	5725 to 5850	Pass
			40	120	5794.965	5725 to 5850	Pass
			50	120	5794.965	5725 to 5850	Pass
		5775	20	102	5774.967	5725 to 5850	Pass
				120	5774.966	5725 to 5850	Pass
				138	5774.966	5725 to 5850	Pass
			-30	120	5774.966	5725 to 5850	Pass
			-20	120	5774.966	5725 to 5850	Pass
			-10	120	5774.966	5725 to 5850	Pass
			0	120	5774.966	5725 to 5850	Pass
			10	120	5774.966	5725 to 5850	Pass
			30	120	5774.966	5725 to 5850	Pass
			40	120	5774.966	5725 to 5850	Pass
			50	120	5774.966	5725 to 5850	Pass

4.2 Ant2

4.2.1 Test Result

Ant2							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5745	20	102	5744.953	5725 to 5850	Pass
				120	5744.951	5725 to 5850	Pass
				138	5744.951	5725 to 5850	Pass
			-30	120	5744.951	5725 to 5850	Pass
			-20	120	5744.951	5725 to 5850	Pass
			-10	120	5744.951	5725 to 5850	Pass
			0	120	5744.951	5725 to 5850	Pass
			10	120	5744.951	5725 to 5850	Pass
			30	120	5744.951	5725 to 5850	Pass
			40	120	5744.951	5725 to 5850	Pass
			50	120	5744.951	5725 to 5850	Pass
		5785	20	102	5784.969	5725 to 5850	Pass
				120	5784.968	5725 to 5850	Pass
				138	5784.967	5725 to 5850	Pass
			-30	120	5784.966	5725 to 5850	Pass
			-20	120	5784.966	5725 to 5850	Pass
			-10	120	5784.966	5725 to 5850	Pass
			0	120	5784.965	5725 to 5850	Pass
			10	120	5784.965	5725 to 5850	Pass
			30	120	5784.964	5725 to 5850	Pass
			40	120	5784.964	5725 to 5850	Pass
			50	120	5784.963	5725 to 5850	Pass
		5825	20	102	5824.963	5725 to 5850	Pass
				120	5824.963	5725 to 5850	Pass
				138	5824.963	5725 to 5850	Pass
			-30	120	5824.963	5725 to 5850	Pass
			-20	120	5824.963	5725 to 5850	Pass
			-10	120	5824.963	5725 to 5850	Pass
			0	120	5824.964	5725 to 5850	Pass

			10	120	5824.964	5725 to 5850	Pass
			30	120	5824.964	5725 to 5850	Pass
			40	120	5824.964	5725 to 5850	Pass
			50	120	5824.964	5725 to 5850	Pass
		5755	20	102	5754.967	5725 to 5850	Pass
				120	5754.966	5725 to 5850	Pass
				138	5754.965	5725 to 5850	Pass
			-30	120	5754.965	5725 to 5850	Pass
			-20	120	5754.965	5725 to 5850	Pass
			-10	120	5754.965	5725 to 5850	Pass
			0	120	5754.965	5725 to 5850	Pass
			10	120	5754.965	5725 to 5850	Pass
			30	120	5754.965	5725 to 5850	Pass
			40	120	5754.965	5725 to 5850	Pass
			50	120	5754.965	5725 to 5850	Pass
		5795	20	102	5794.967	5725 to 5850	Pass
				120	5794.966	5725 to 5850	Pass
				138	5794.966	5725 to 5850	Pass
			-30	120	5794.965	5725 to 5850	Pass
			-20	120	5794.965	5725 to 5850	Pass
			-10	120	5794.965	5725 to 5850	Pass
			0	120	5794.965	5725 to 5850	Pass
			10	120	5794.965	5725 to 5850	Pass
			30	120	5794.965	5725 to 5850	Pass
			40	120	5794.965	5725 to 5850	Pass
			50	120	5794.965	5725 to 5850	Pass
		5775	20	102	5774.967	5725 to 5850	Pass
				120	5774.966	5725 to 5850	Pass
				138	5774.966	5725 to 5850	Pass
			-30	120	5774.966	5725 to 5850	Pass
			-20	120	5774.966	5725 to 5850	Pass
			-10	120	5774.966	5725 to 5850	Pass
			0	120	5774.965	5725 to 5850	Pass
			10	120	5774.965	5725 to 5850	Pass
			30	120	5774.965	5725 to 5850	Pass
			40	120	5774.965	5725 to 5850	Pass
			50	120	5774.965	5725 to 5850	Pass