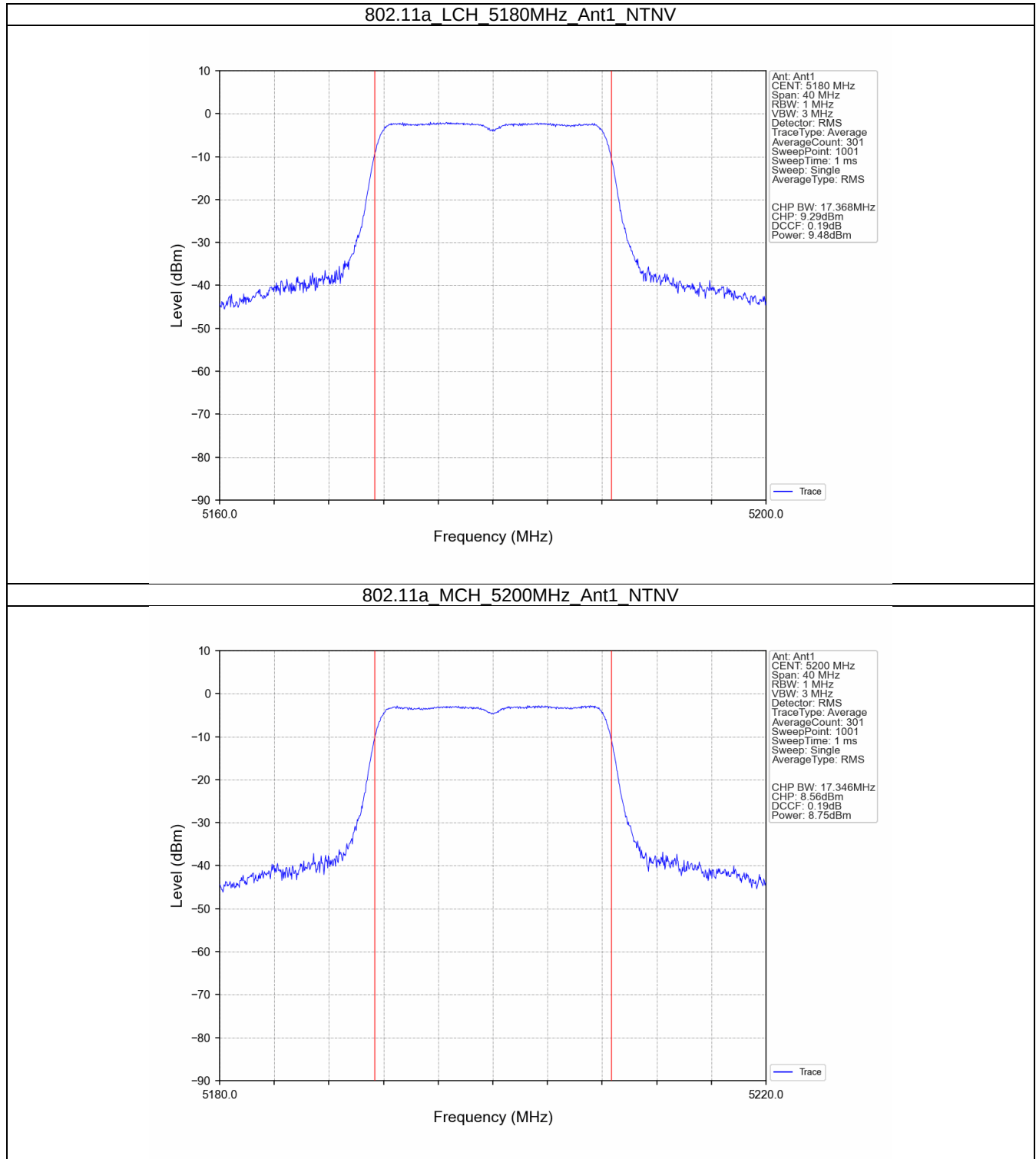
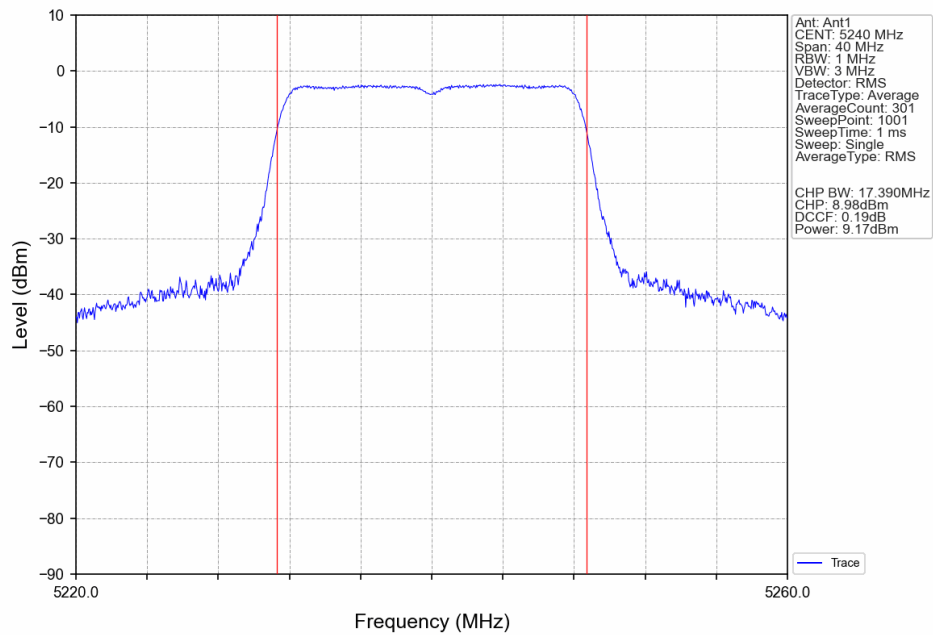


3.2 Test Graph

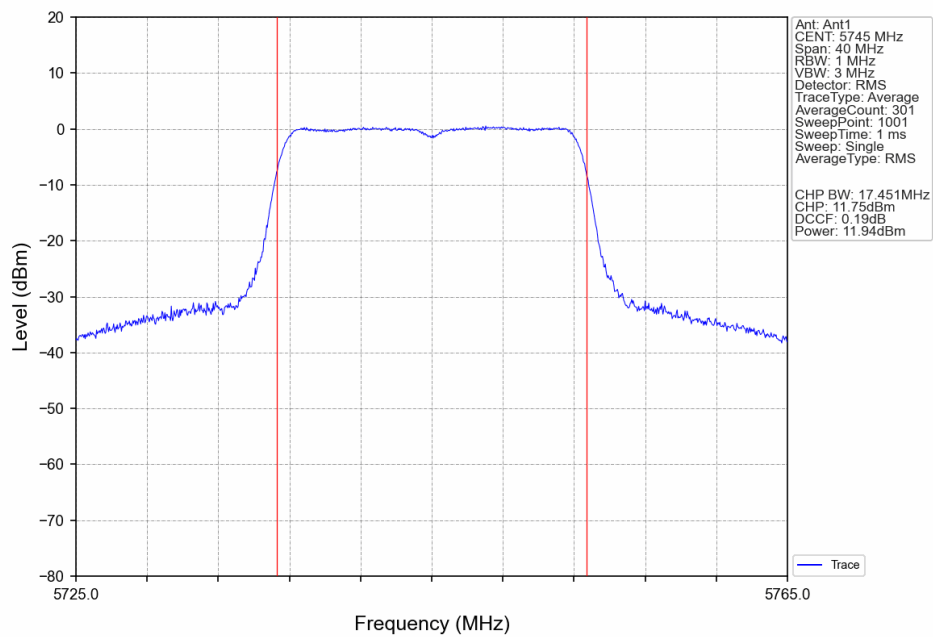
3.2.1 Power



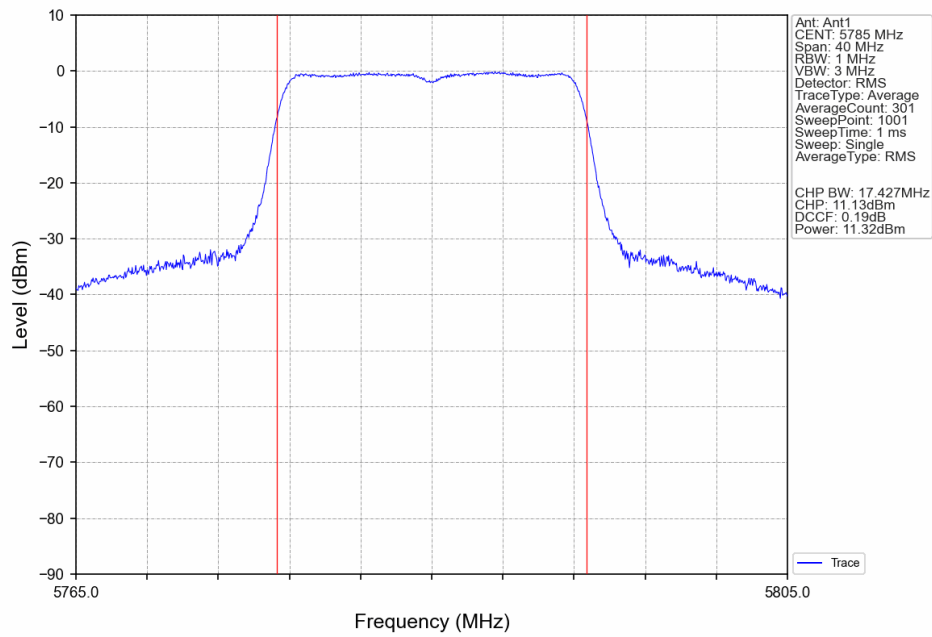
802.11a_HCH_5240MHz_Ant1_NTNV



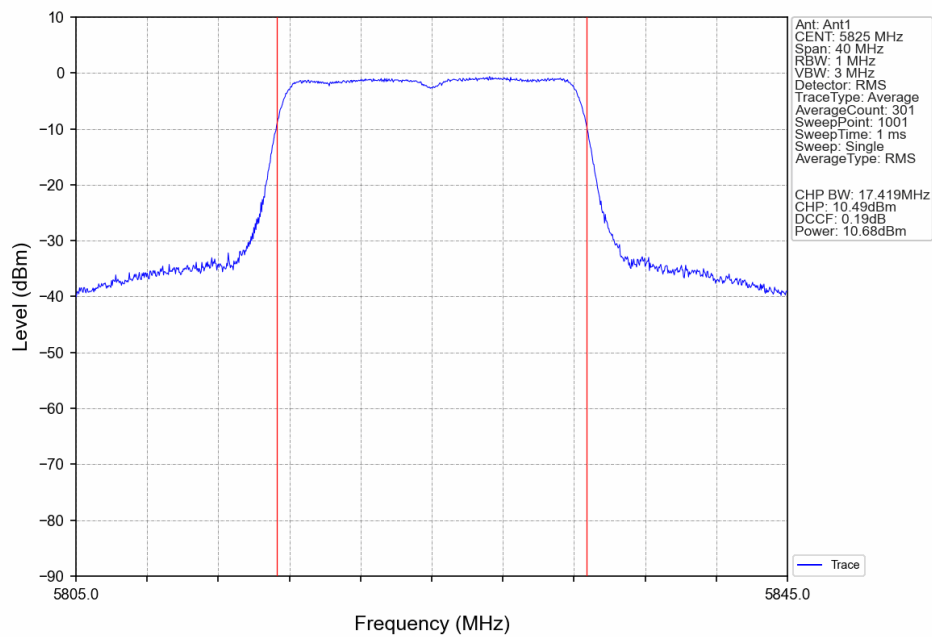
802.11a_LCH_5745MHz_Ant1_NTNV



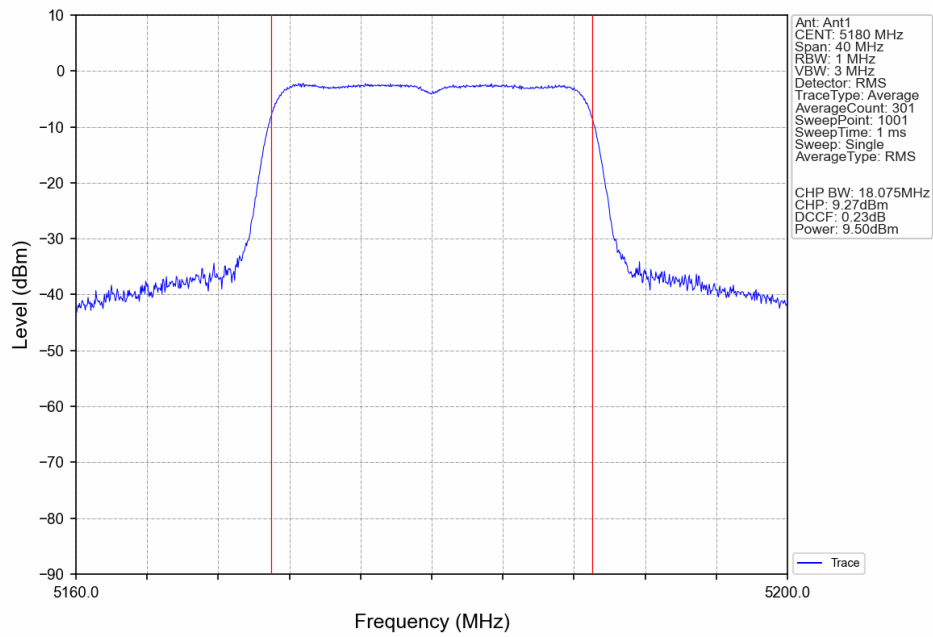
802.11a_MCH_5785MHz_Ant1_NTNV



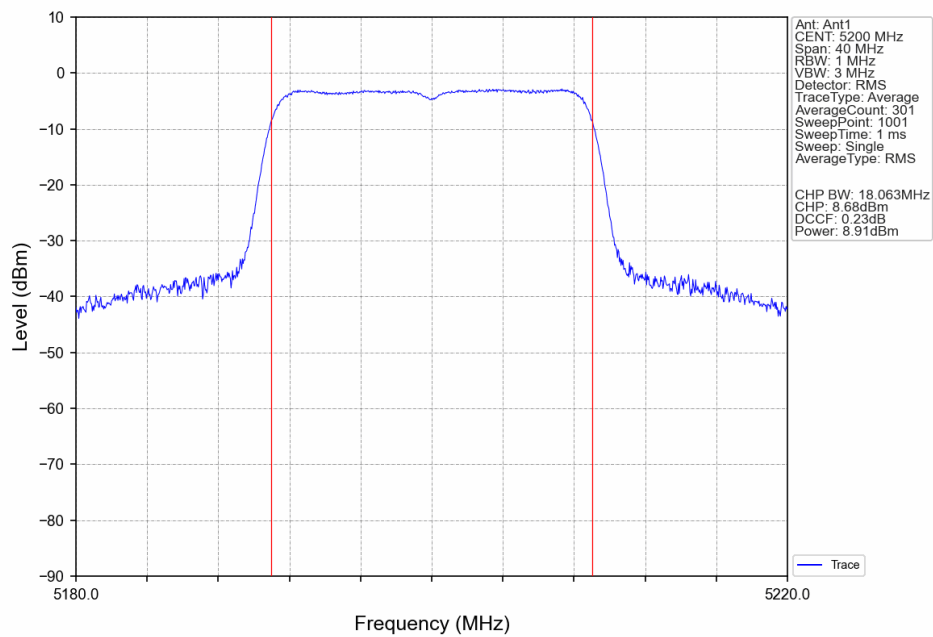
802.11a_HCH_5825MHz_Ant1_NTNV



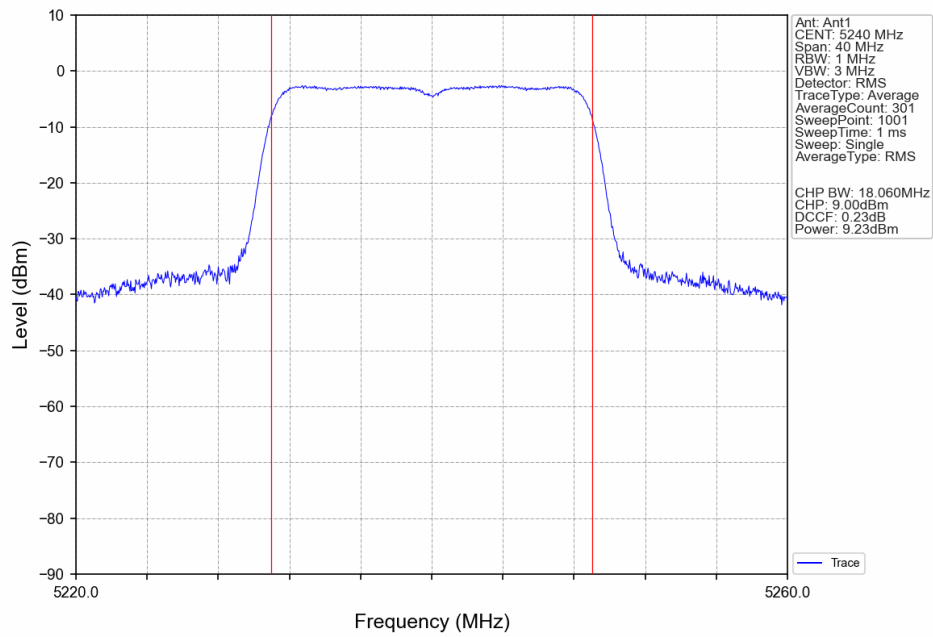
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



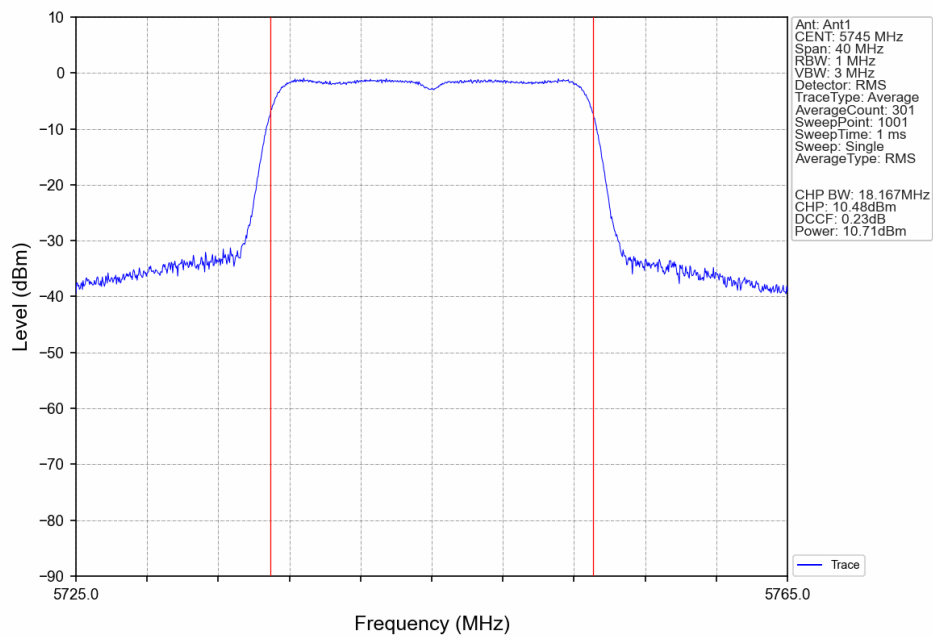
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



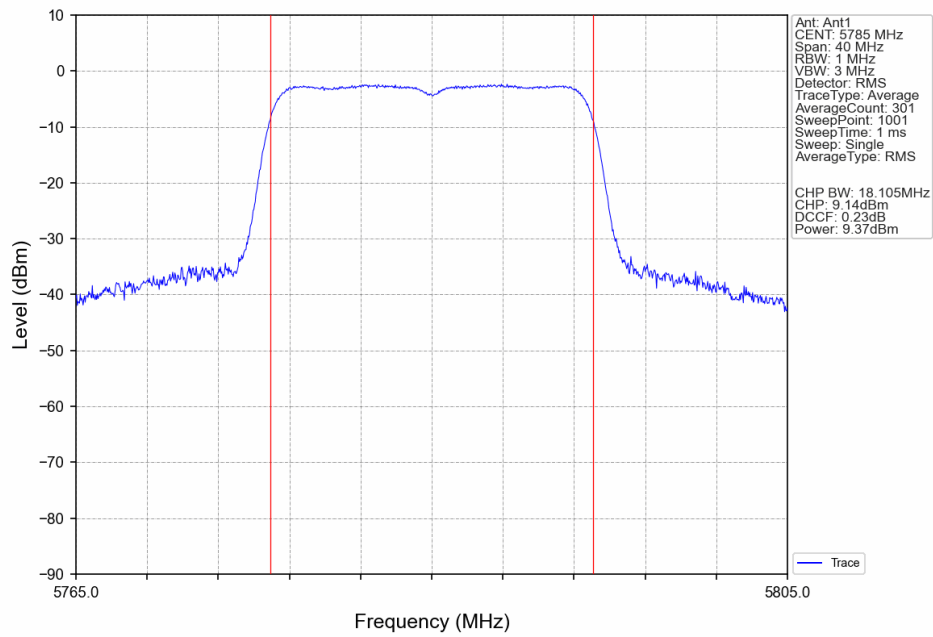
802.11n(HT20) HCH 5240MHz Ant1_NTNV



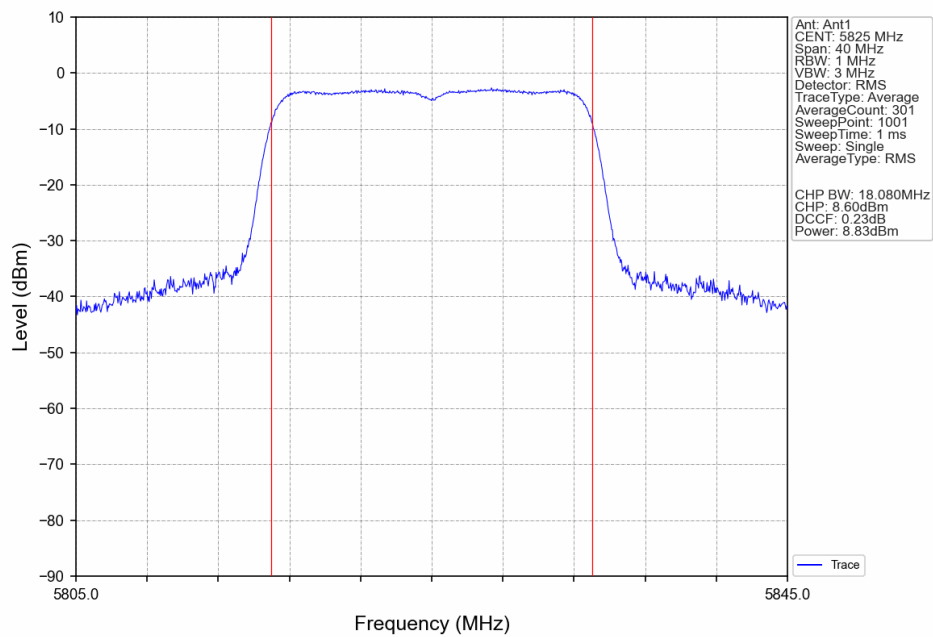
802.11n(HT20) LCH 5745MHz Ant1_NTNV



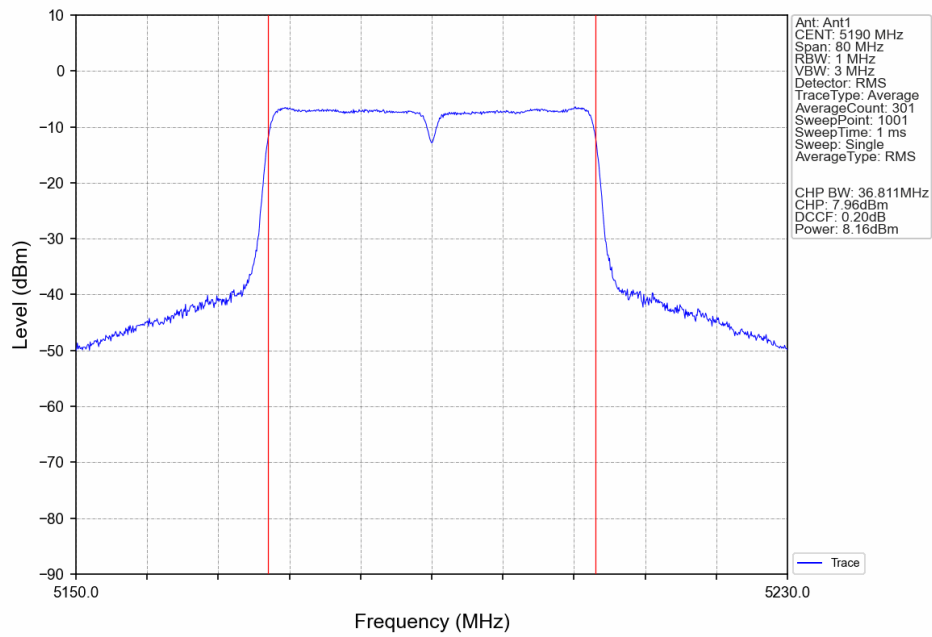
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



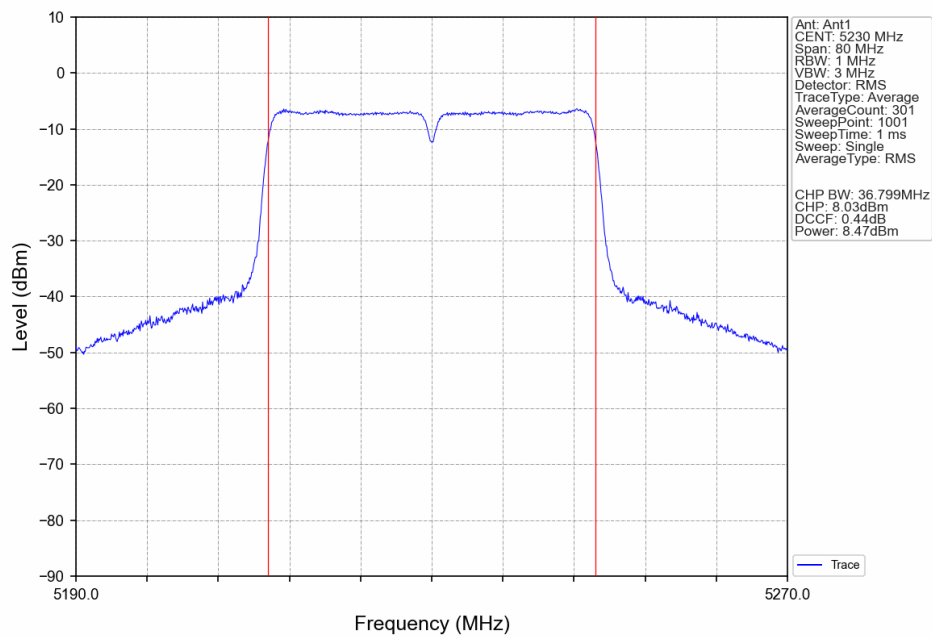
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



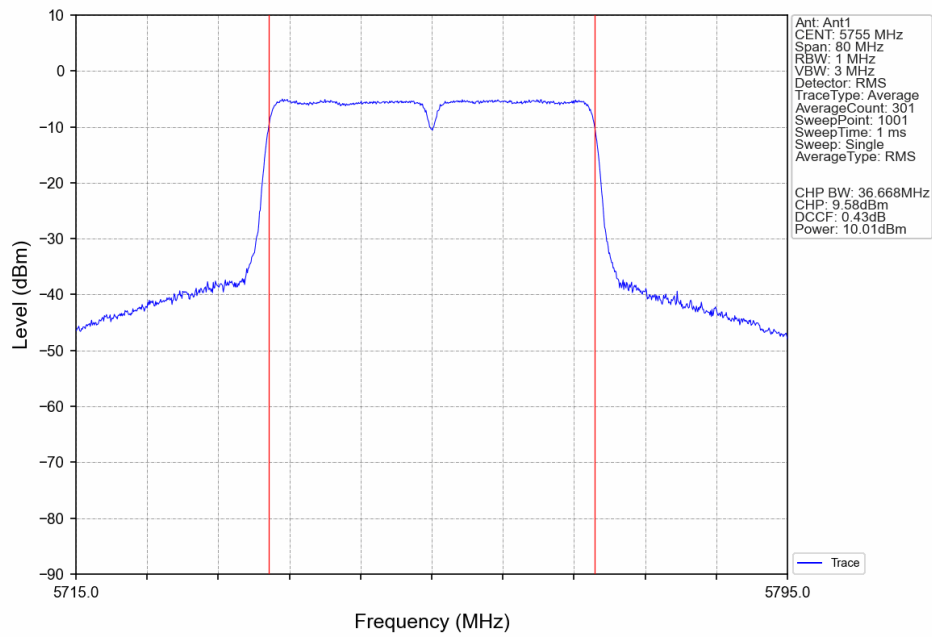
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



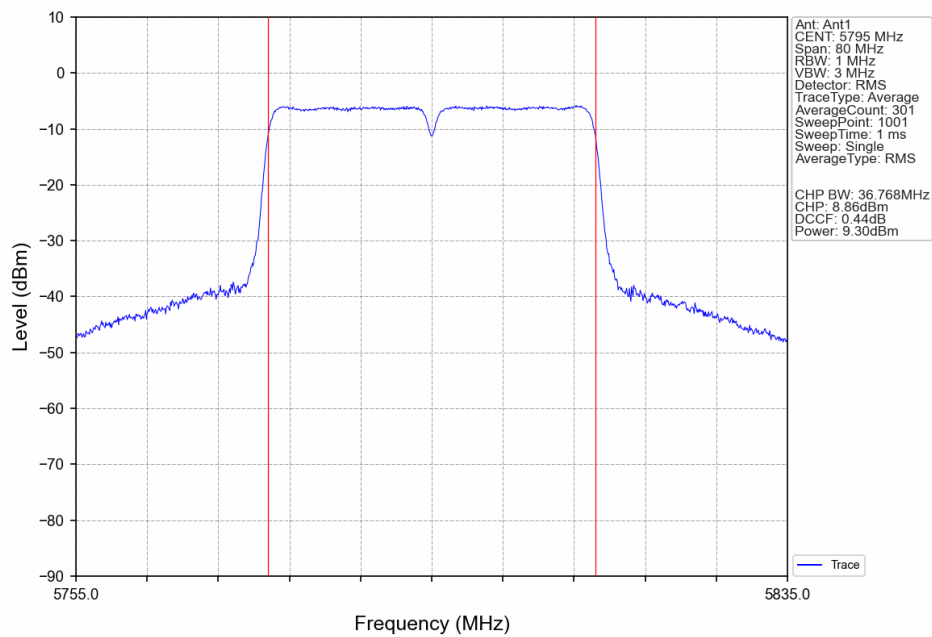
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



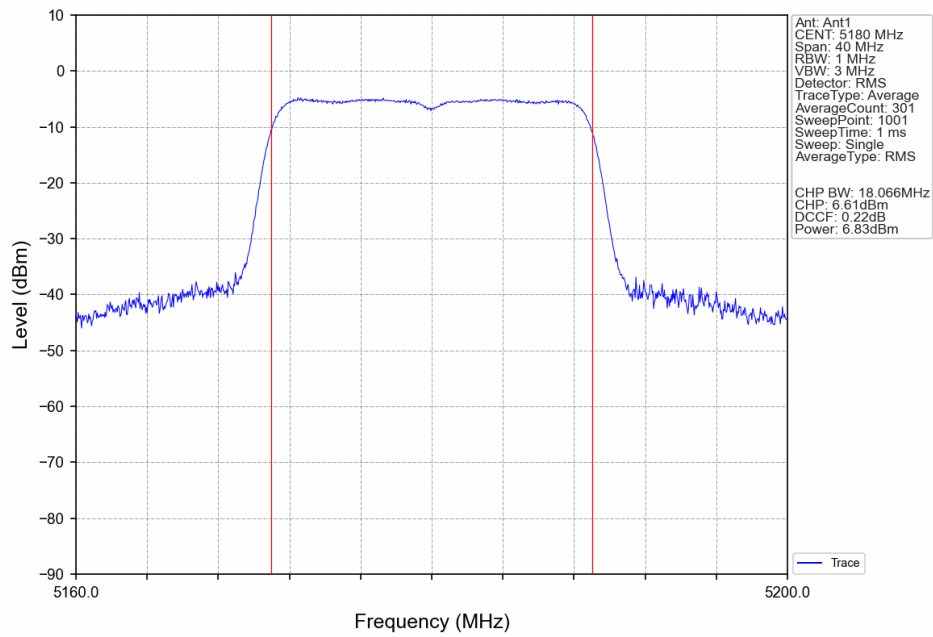
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



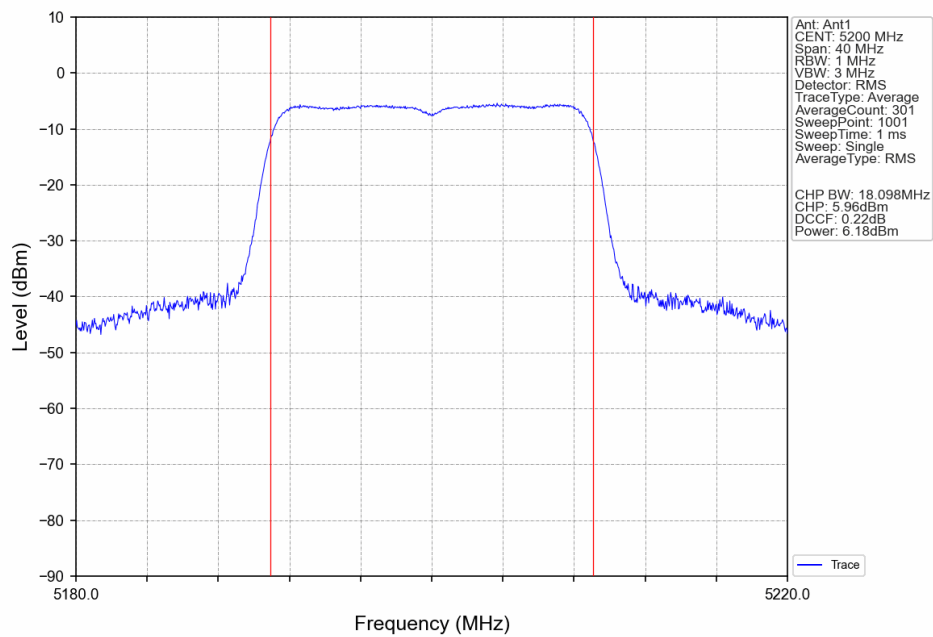
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



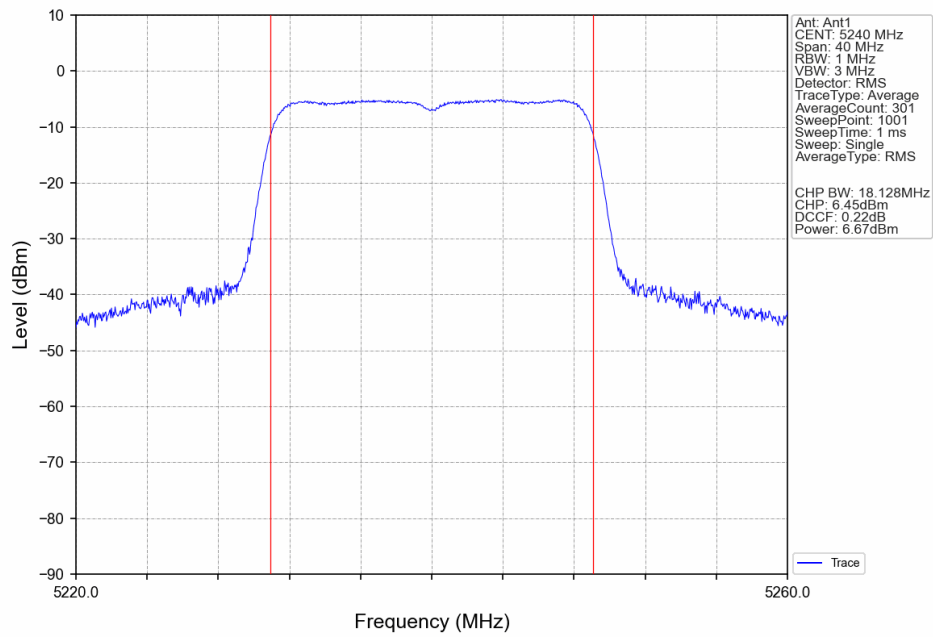
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



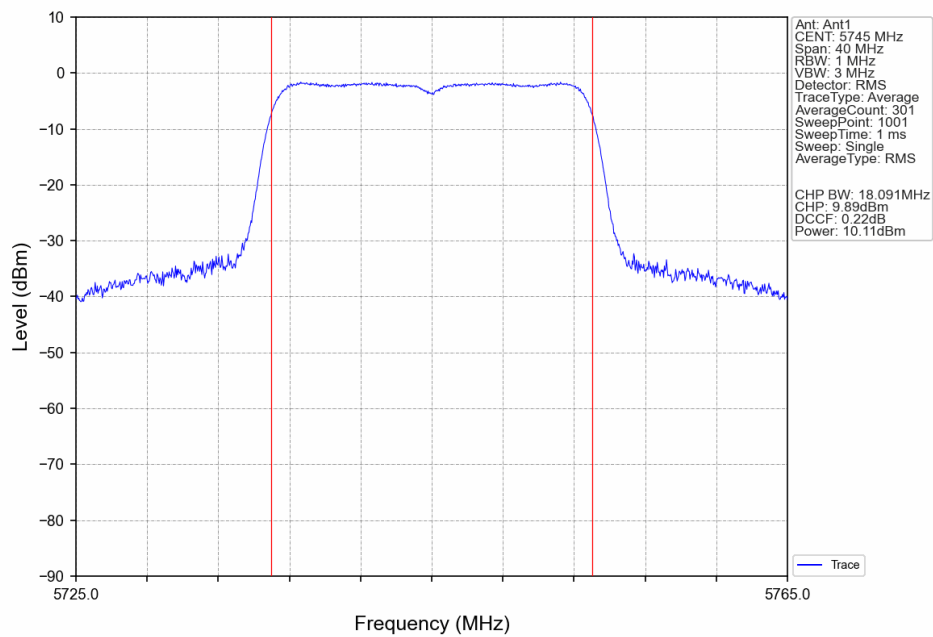
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



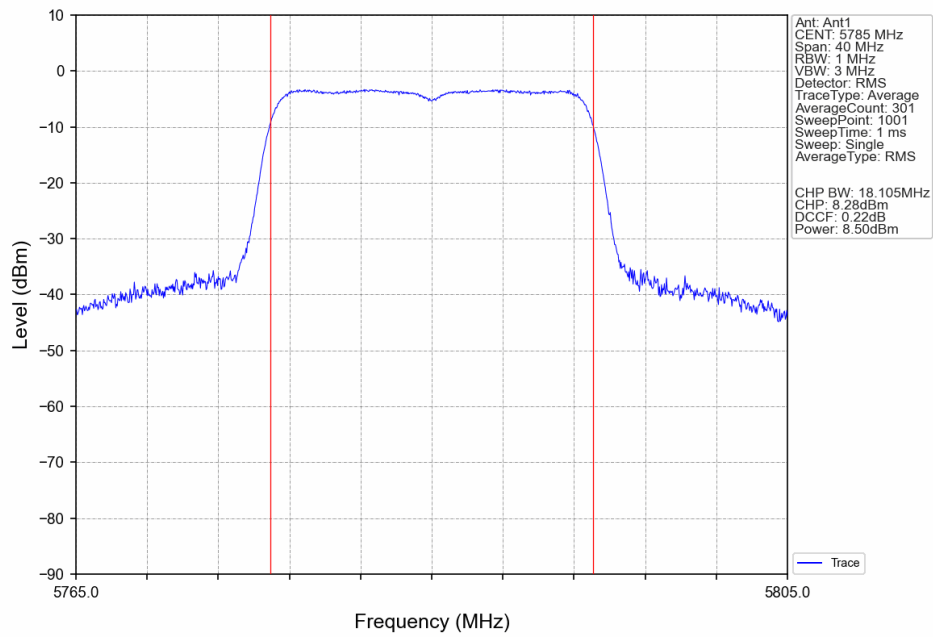
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



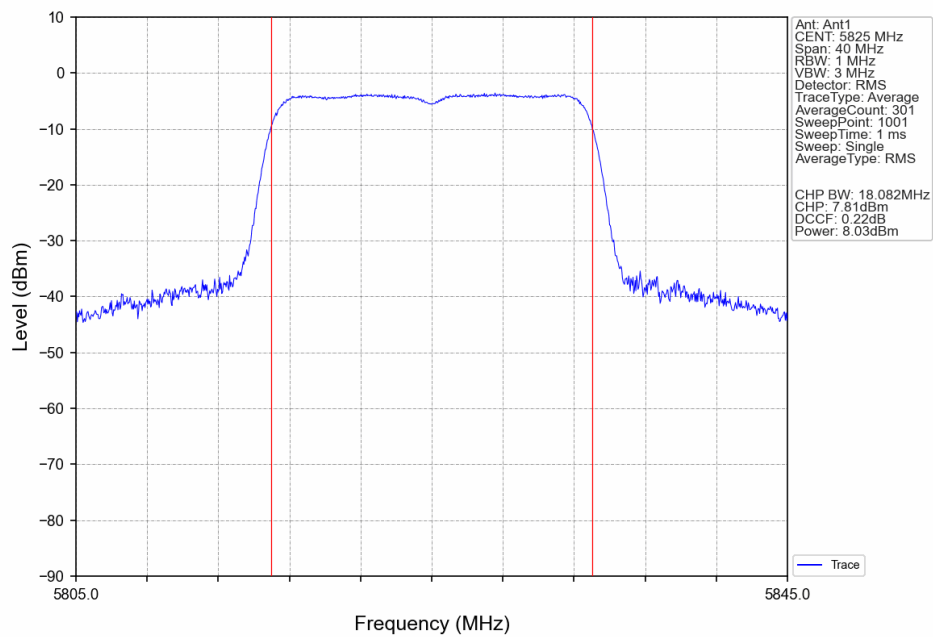
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



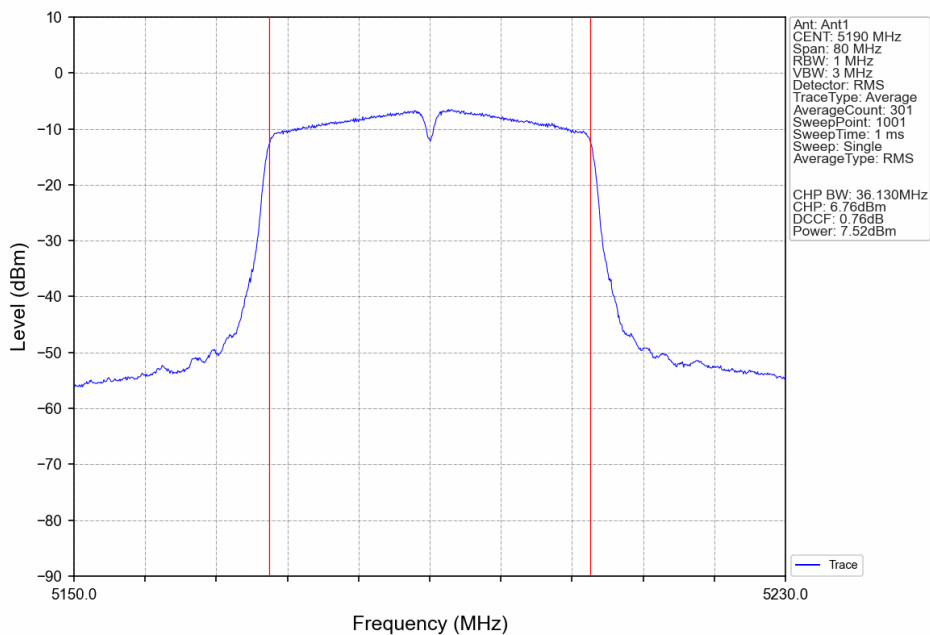
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



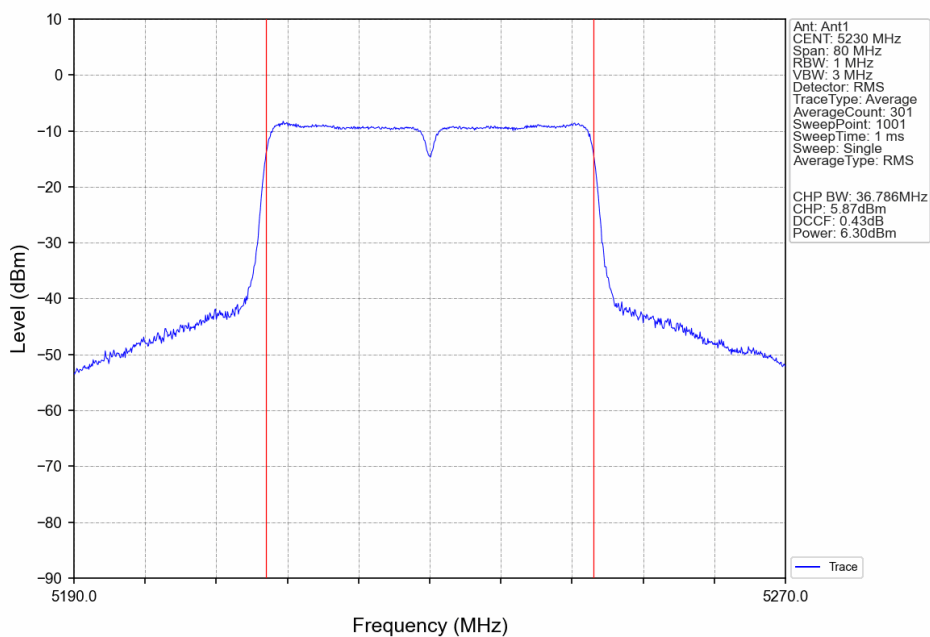
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



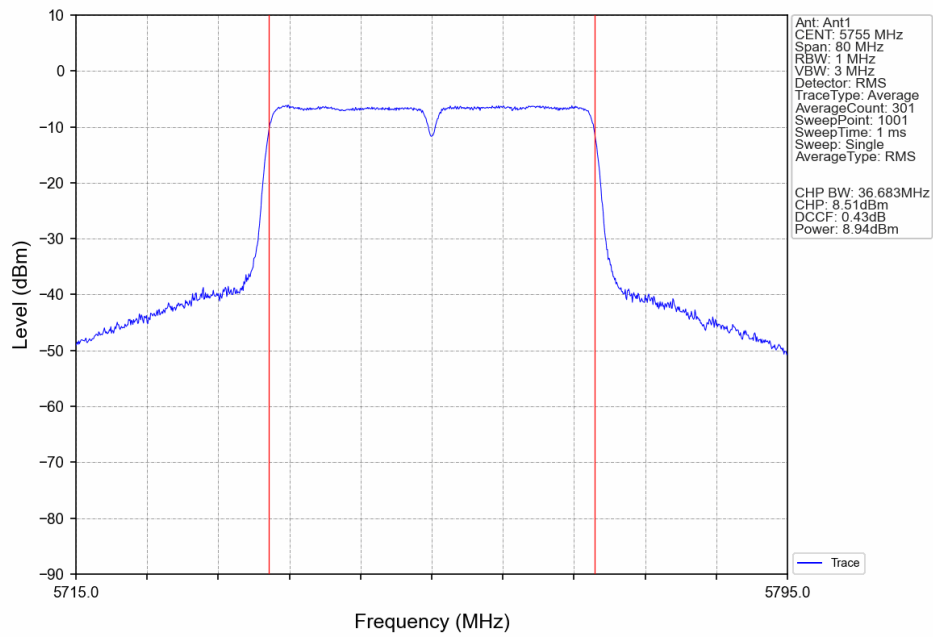
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



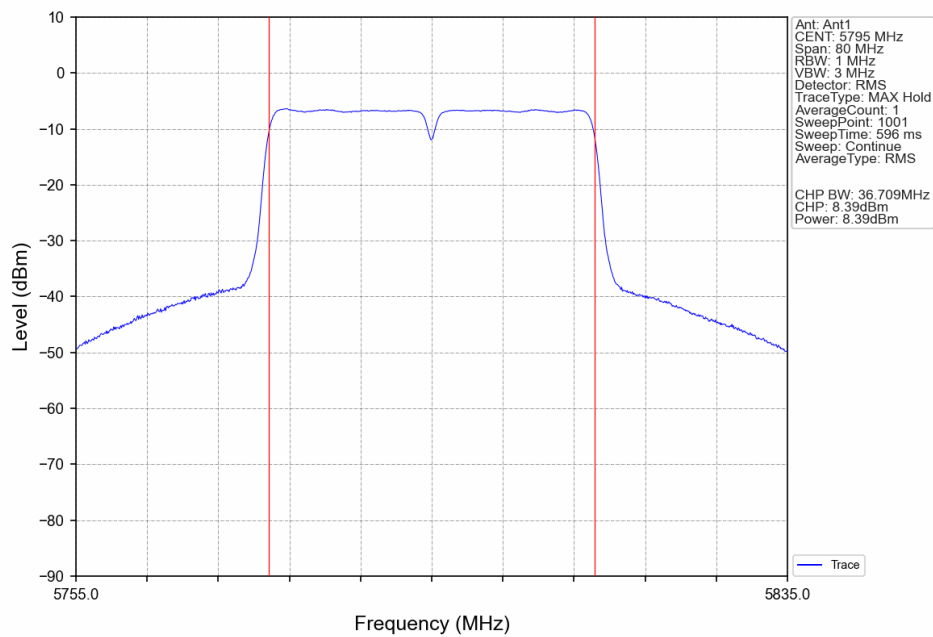
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



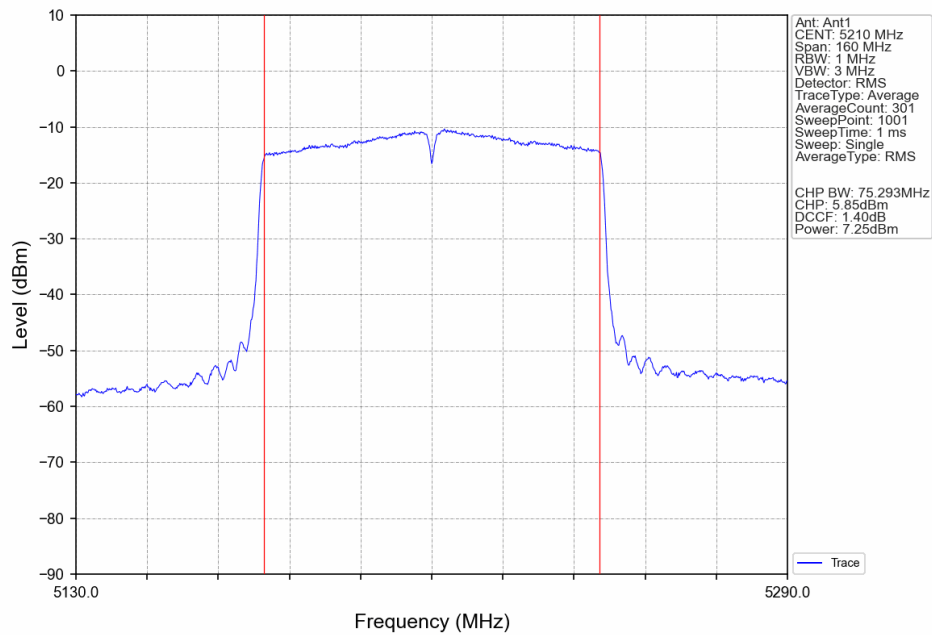
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



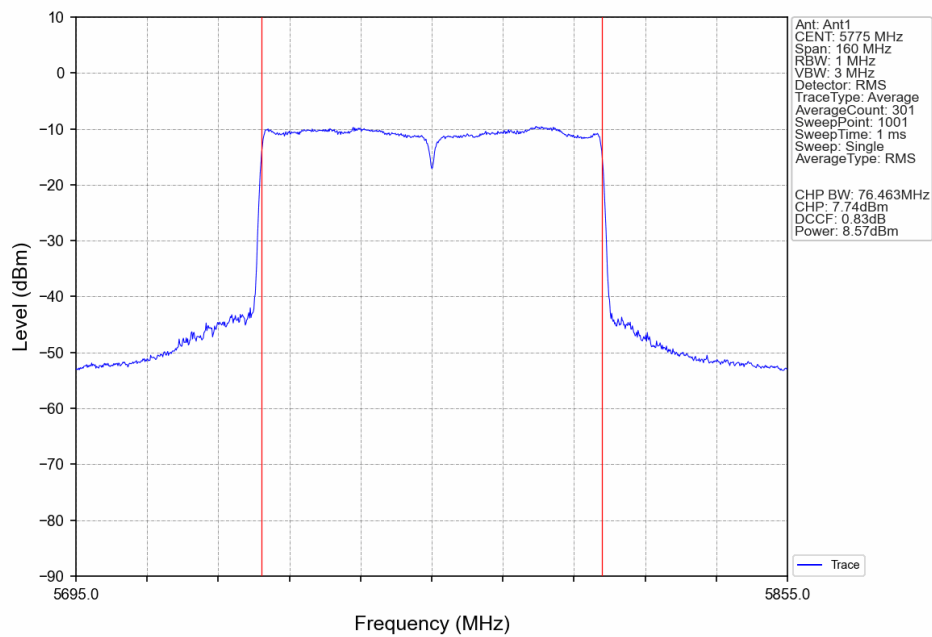
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-1.87	<=11	Pass
		5200	-2.55	<=11	Pass
		5240	-2.00	<=11	Pass
802.11n (HT20)	SISO	5180	-1.89	<=11	Pass
		5200	-2.53	<=11	Pass
		5240	-2.28	<=11	Pass
802.11n (HT40)	SISO	5190	-6.23	<=11	Pass
		5230	-6.03	<=11	Pass
802.11ac (VHT20)	SISO	5180	-4.68	<=11	Pass
		5200	-5.35	<=11	Pass
		5240	-4.87	<=11	Pass
802.11ac (VHT40)	SISO	5190	-5.85	<=11	Pass
		5230	-7.41	<=11	Pass
802.11ac (VHT80)	SISO	5210	-9.17	<=11	Pass

Note1: Antenna Gain:
- Band: 1 Ant1: 0.82dBi;
- Band: 3 Ant1: 0.82dBi;

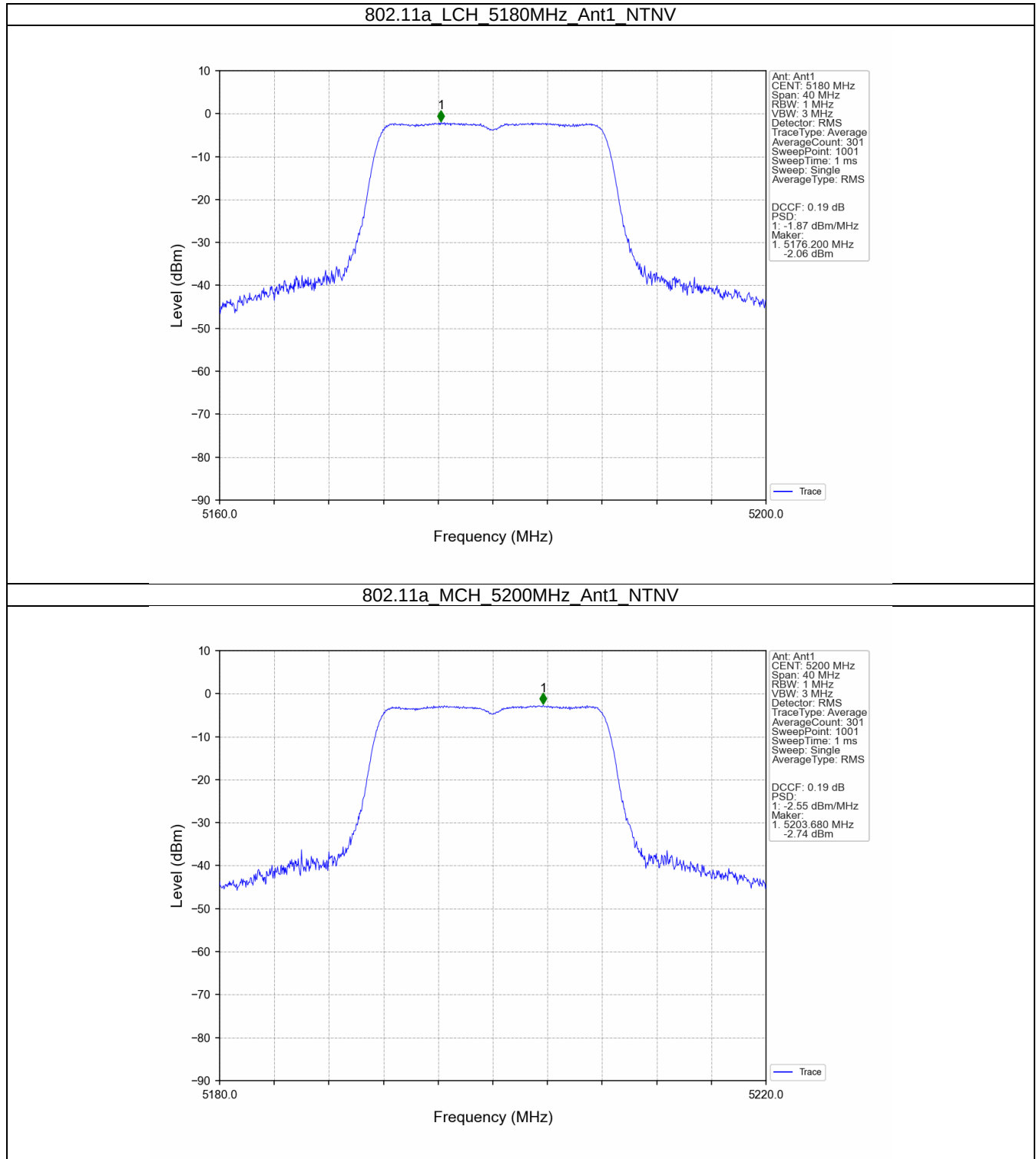
4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-2.23	<=30	Pass
		5785	-3.05	<=30	Pass
		5825	-3.56	<=30	Pass
802.11n (HT20)	SISO	5745	-3.57	<=30	Pass
		5785	-4.87	<=30	Pass
		5825	-5.62	<=30	Pass
802.11n (HT40)	SISO	5755	-7.46	<=30	Pass
		5795	-8.28	<=30	Pass
802.11ac (VHT20)	SISO	5745	-4.37	<=30	Pass
		5785	-5.99	<=30	Pass
		5825	-6.21	<=30	Pass
802.11ac (VHT40)	SISO	5755	-8.28	<=30	Pass
		5795	-9.03	<=30	Pass
802.11ac (VHT80)	SISO	5775	-11.56	<=30	Pass

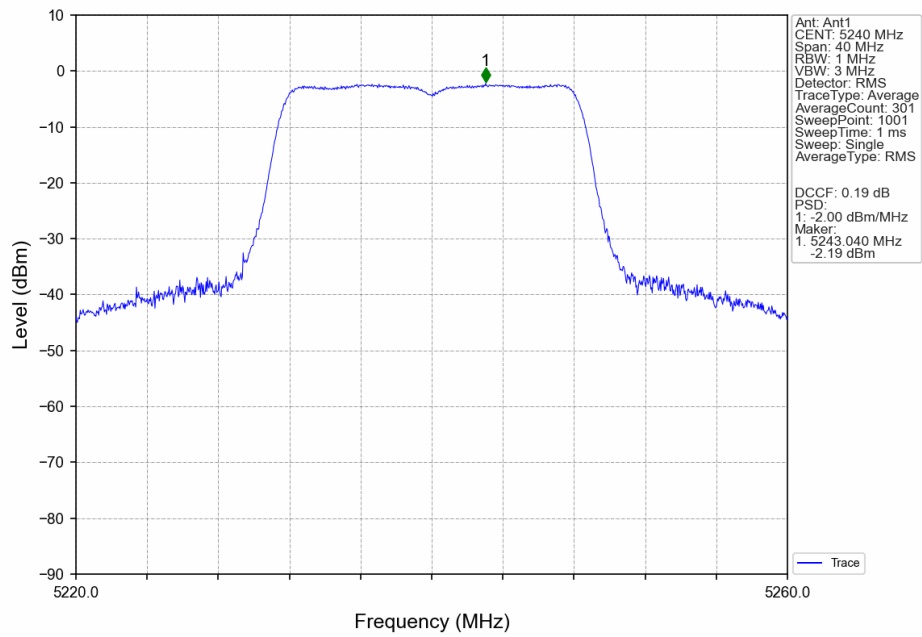
Note1: Antenna Gain:
- Band: 1 Ant1: 0.82dBi;
- Band: 3 Ant1: 0.82dBi;

4.2 Test Graph

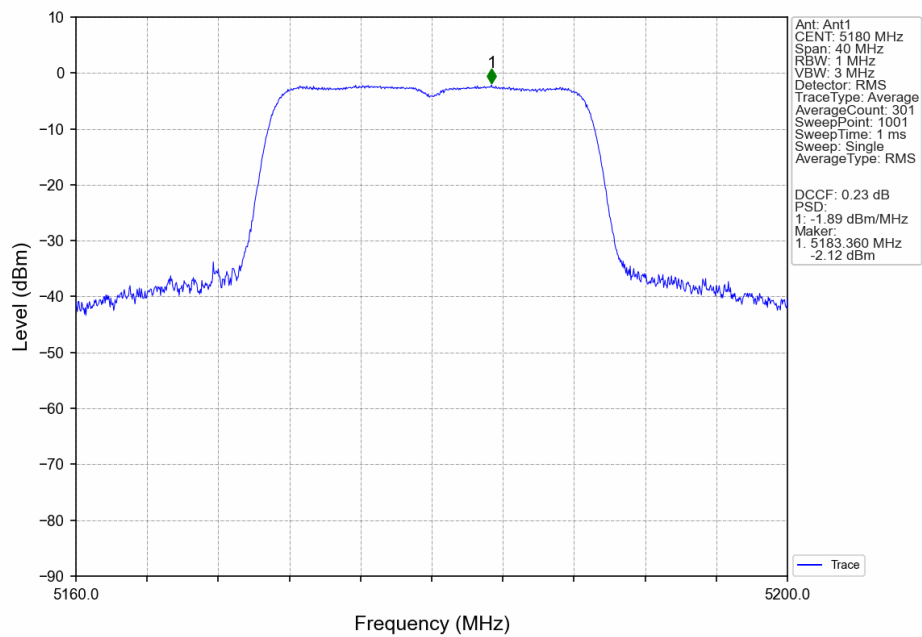
4.2.1 PSD



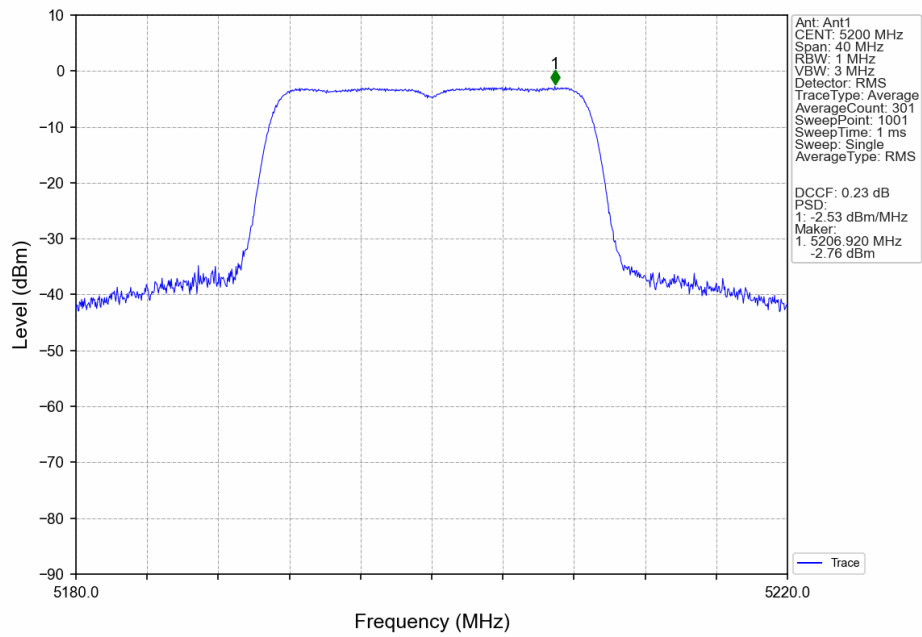
802.11a_HCH_5240MHz_Ant1_NTNV



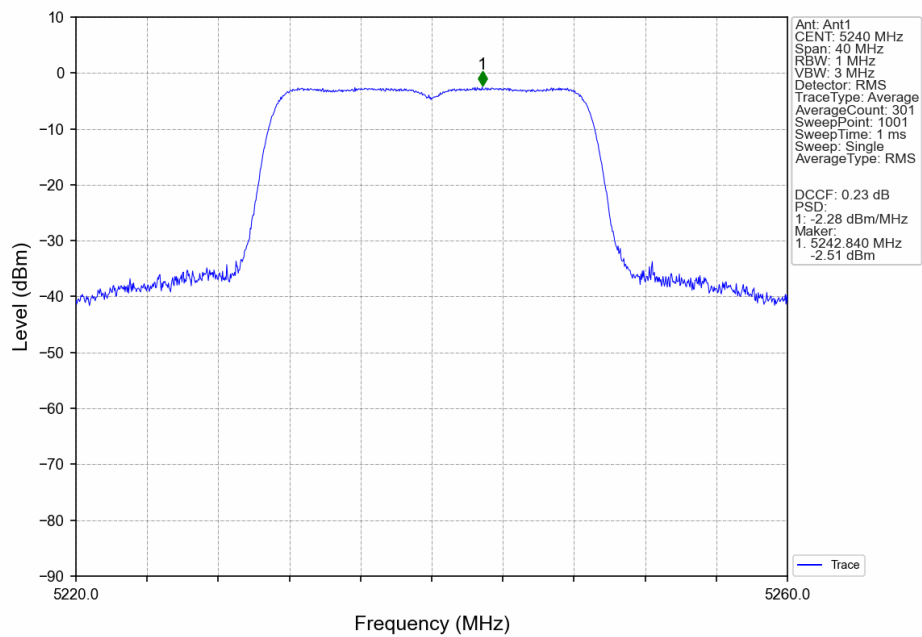
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



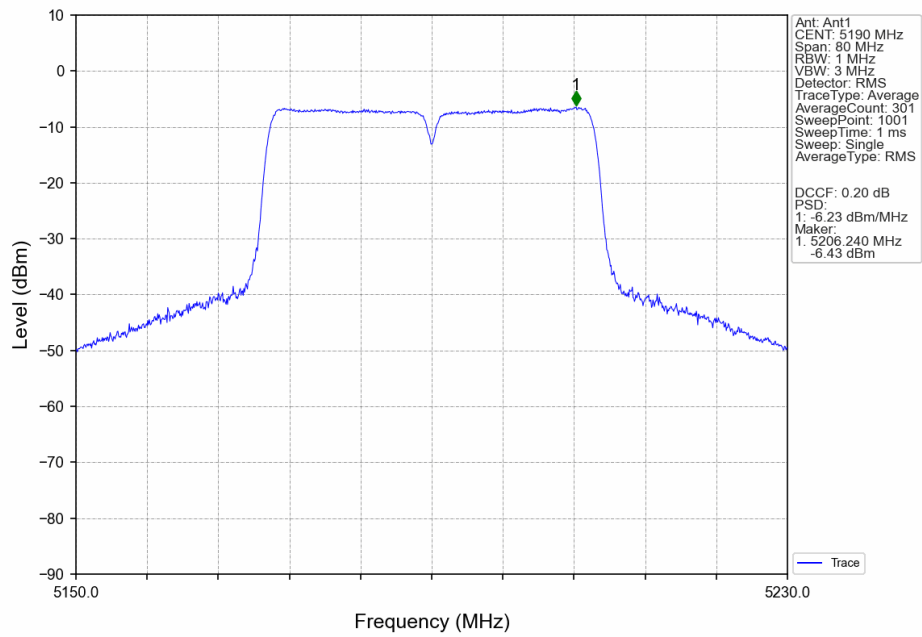
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



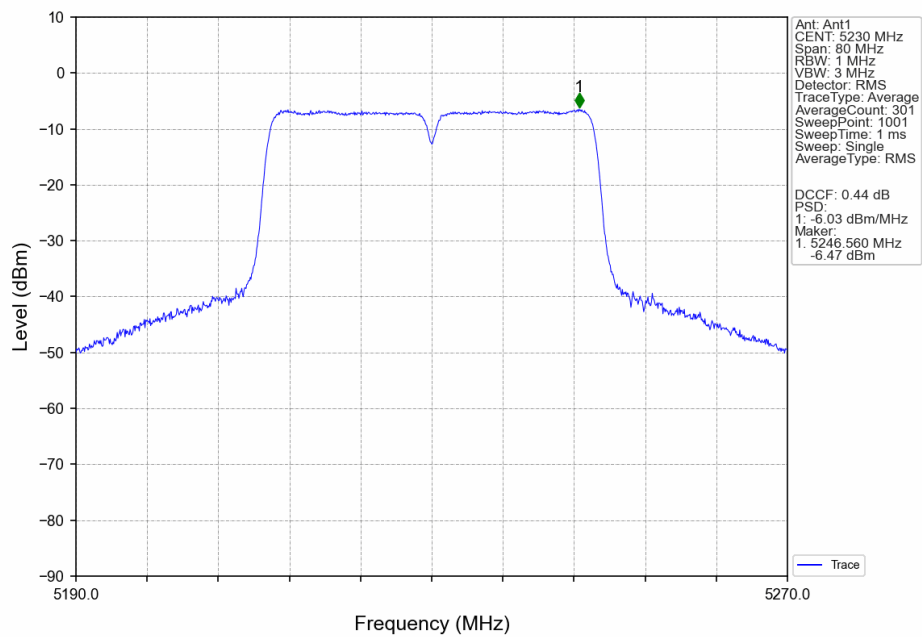
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



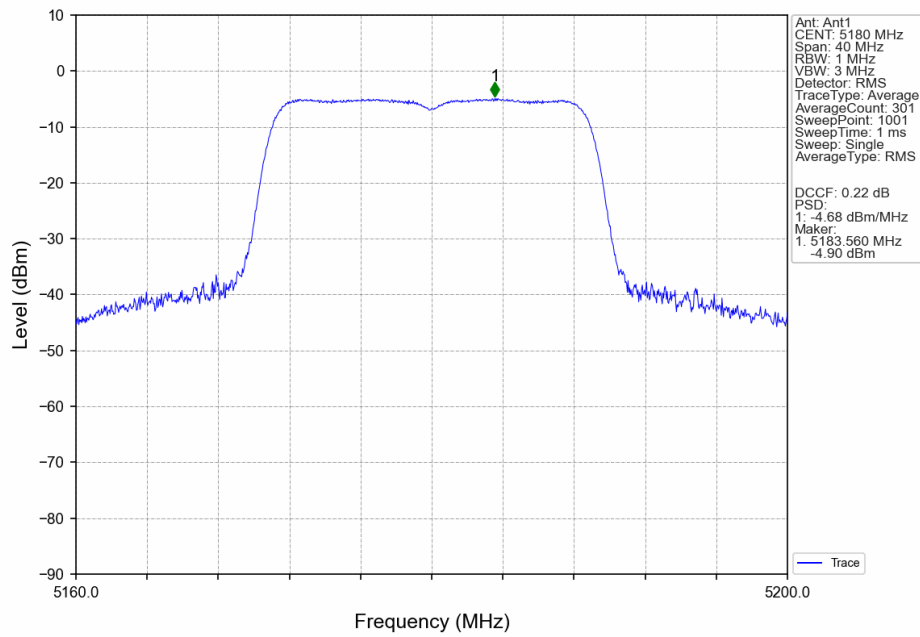
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



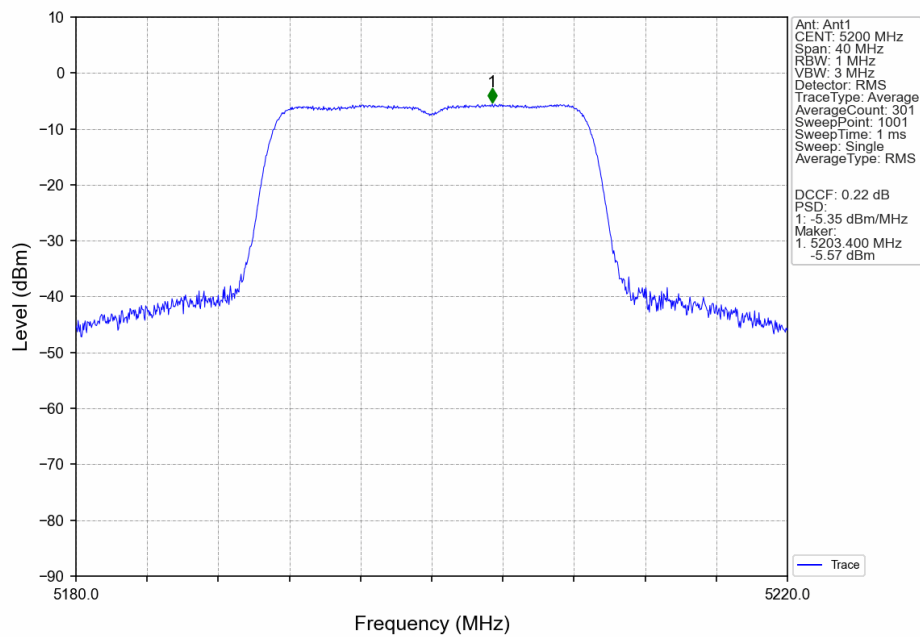
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



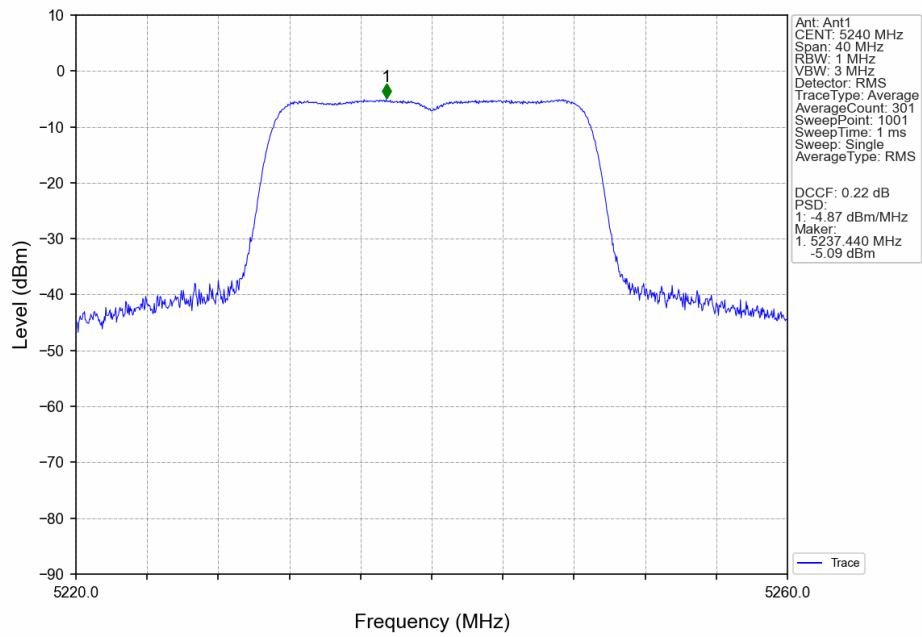
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



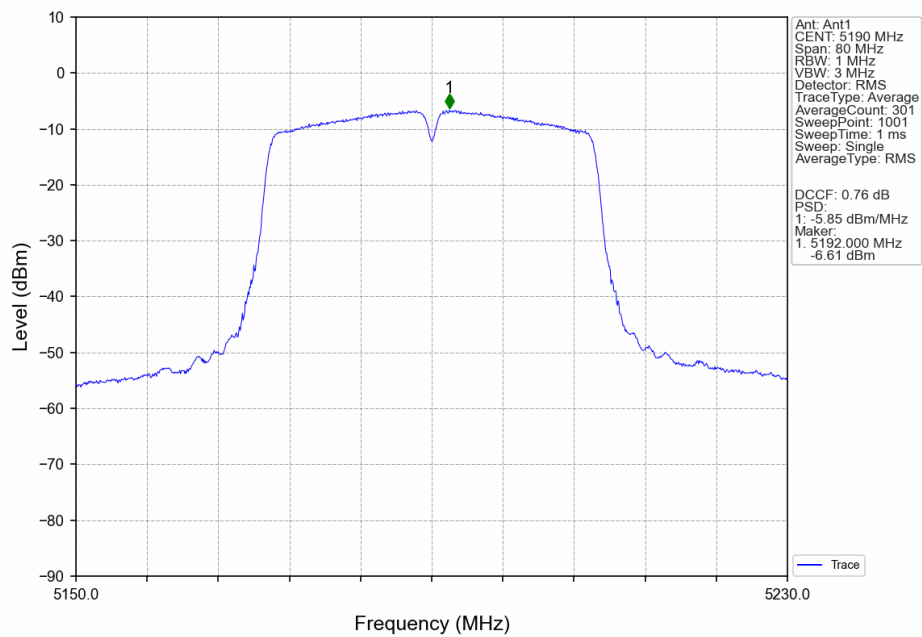
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



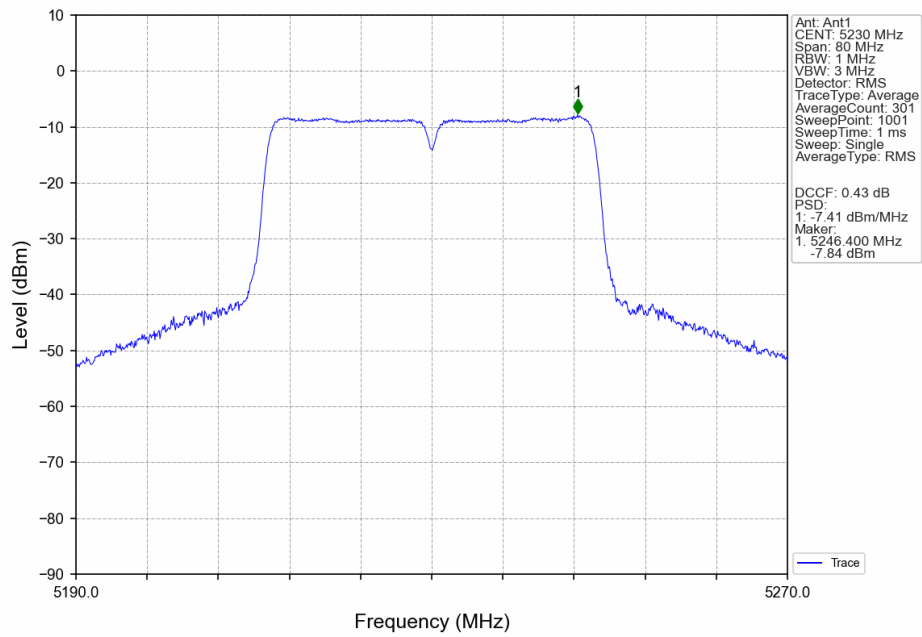
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



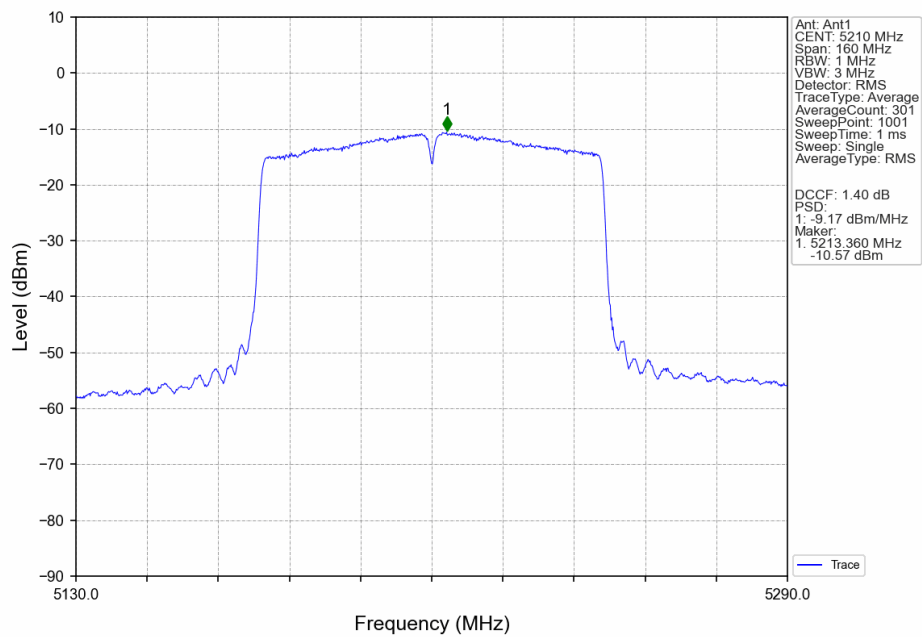
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



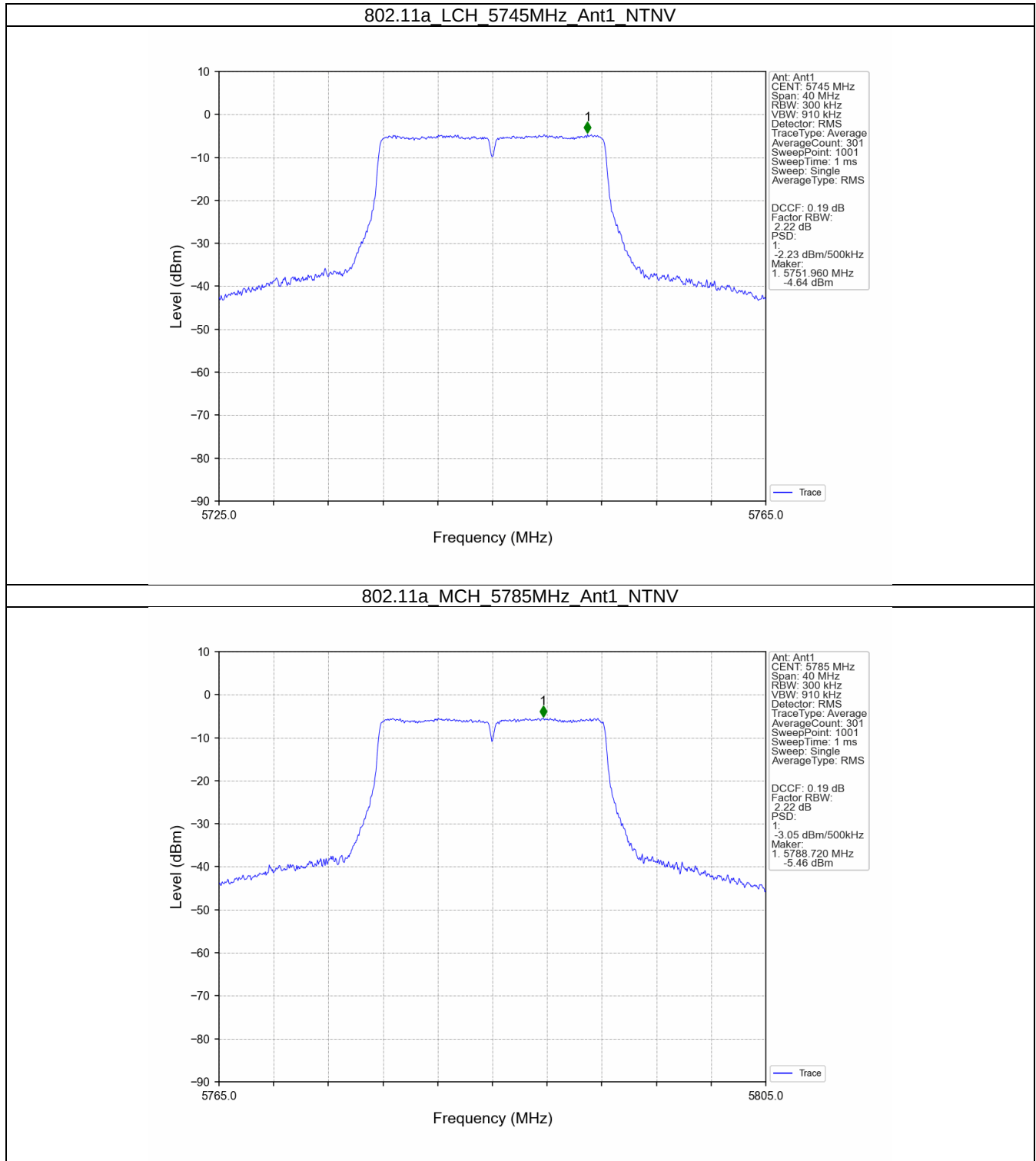
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



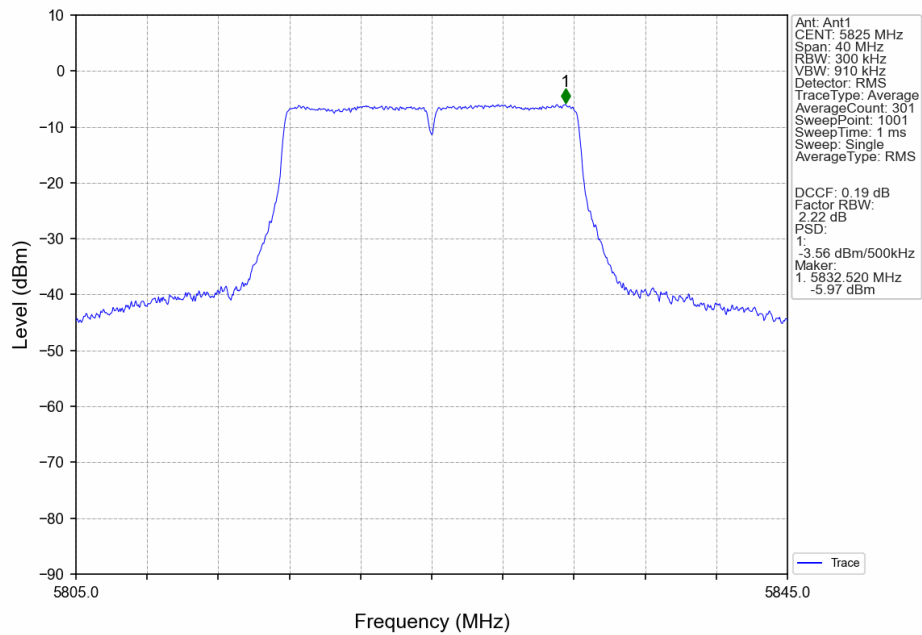
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



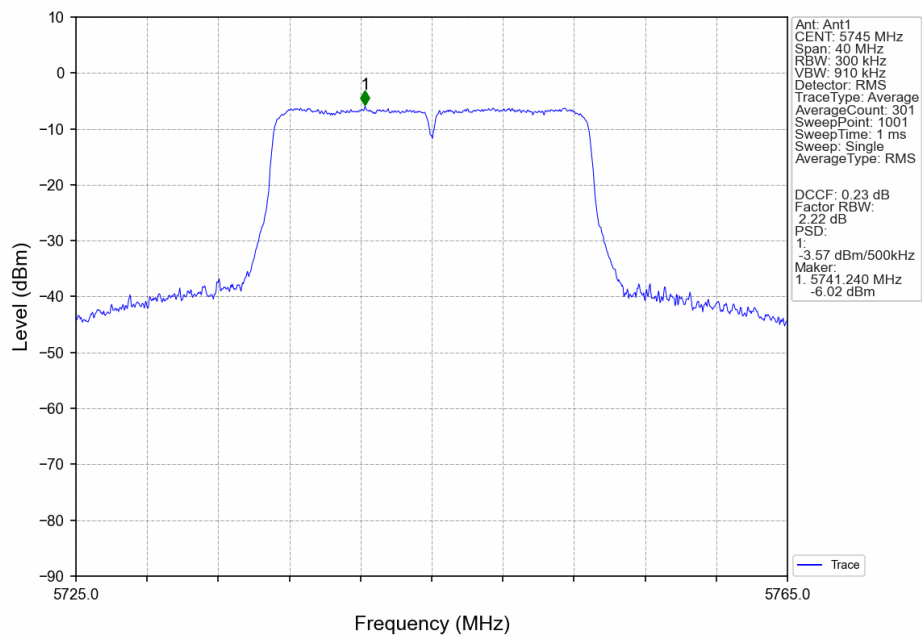
4.2.2 PSD-Band3



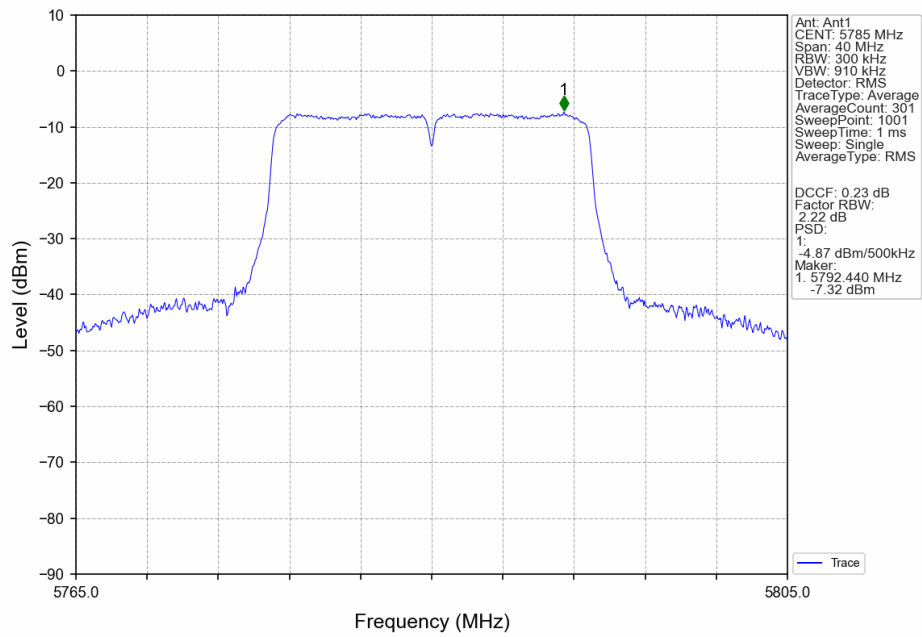
802.11a_HCH_5825MHz_Ant1_NTNV



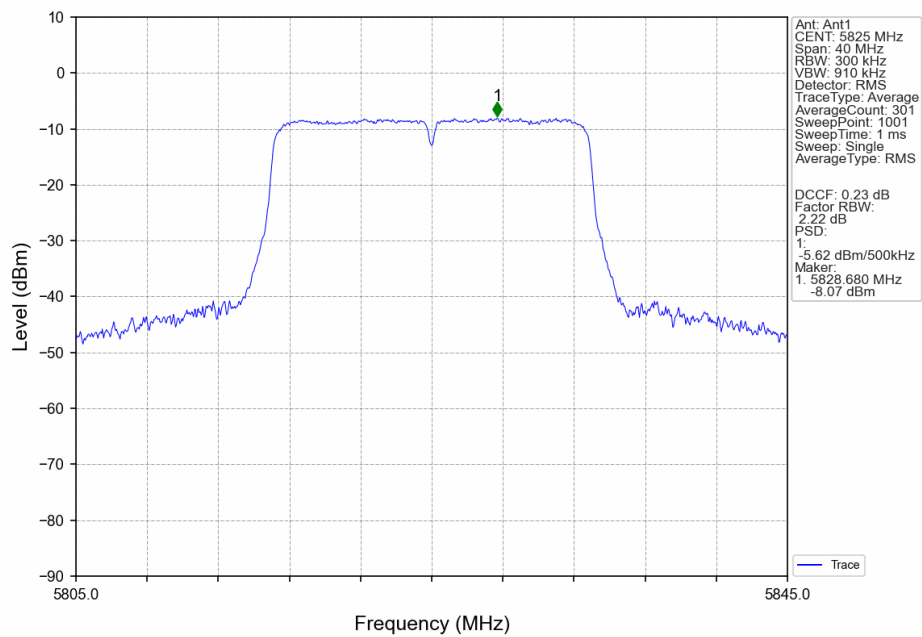
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



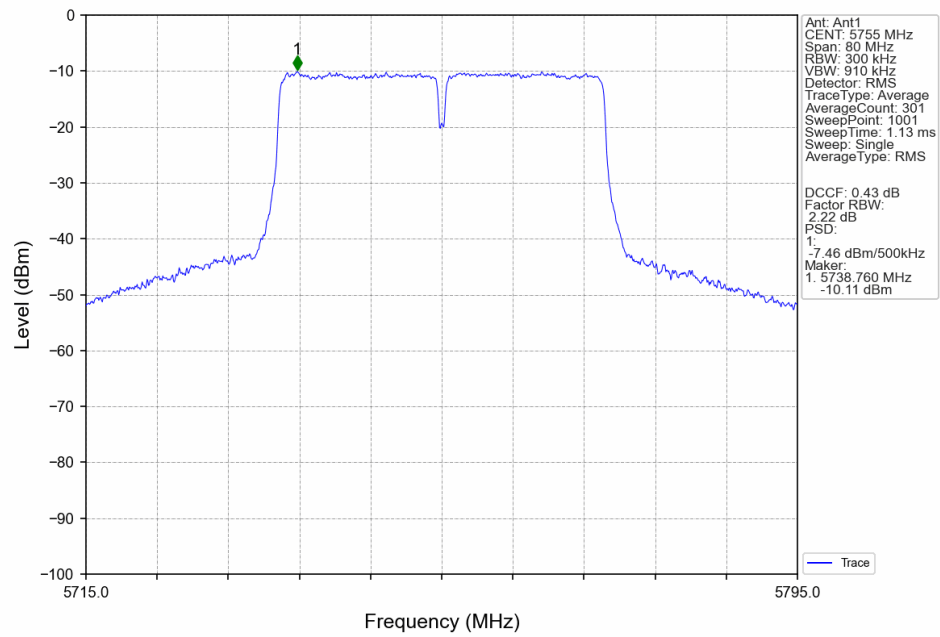
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



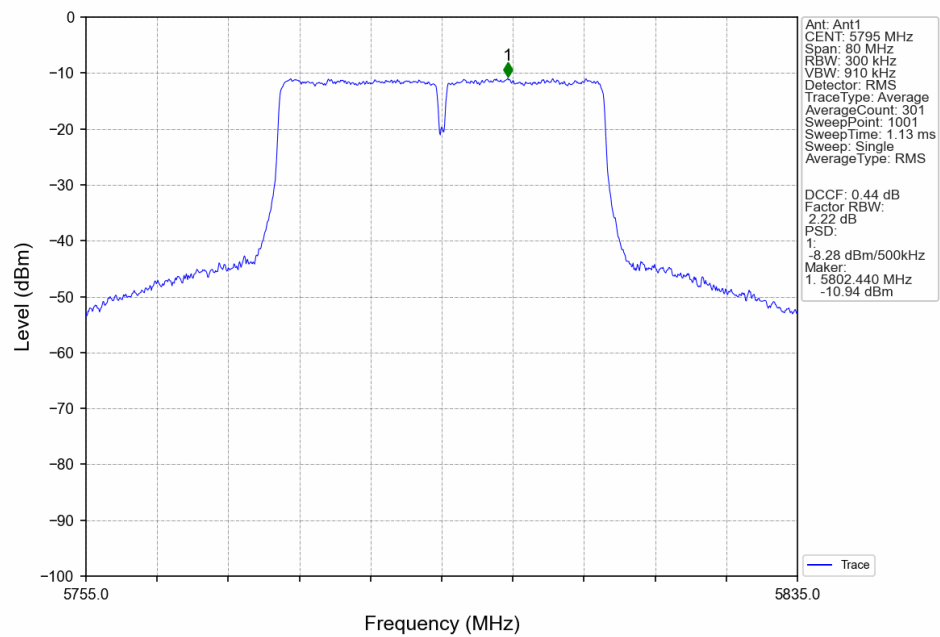
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



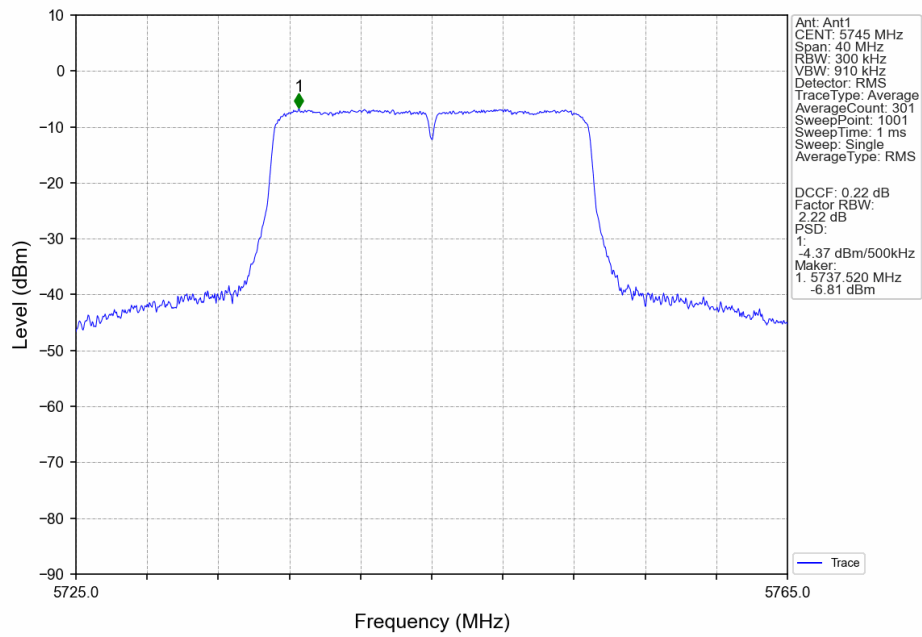
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



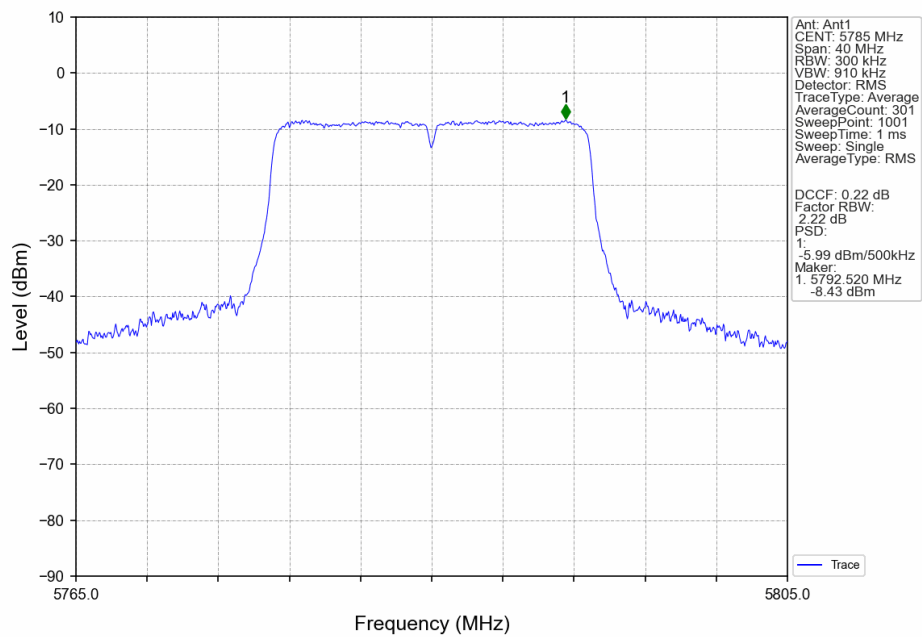
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



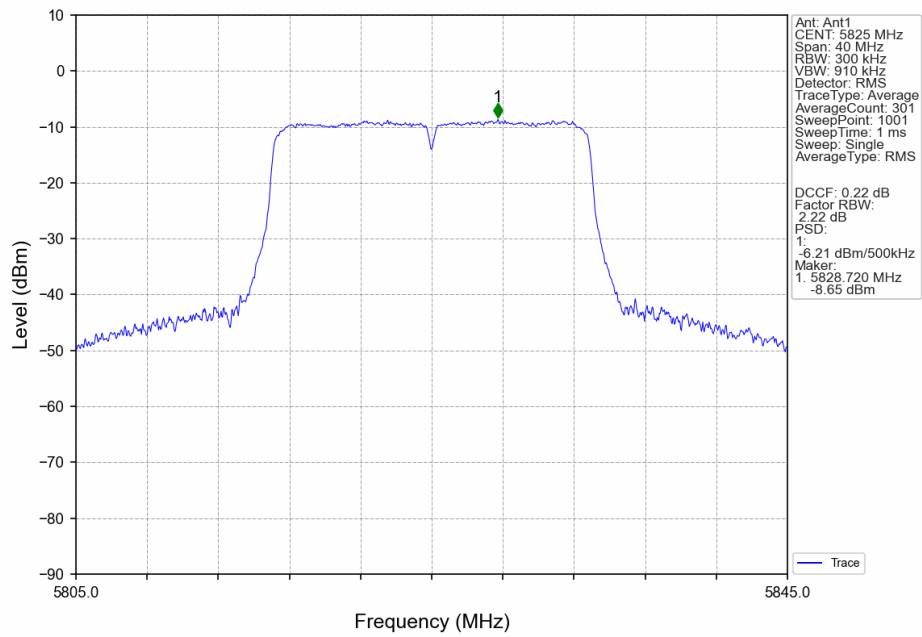
802.11ac(VHT20) LCH_5745MHz_Ant1_NTNV



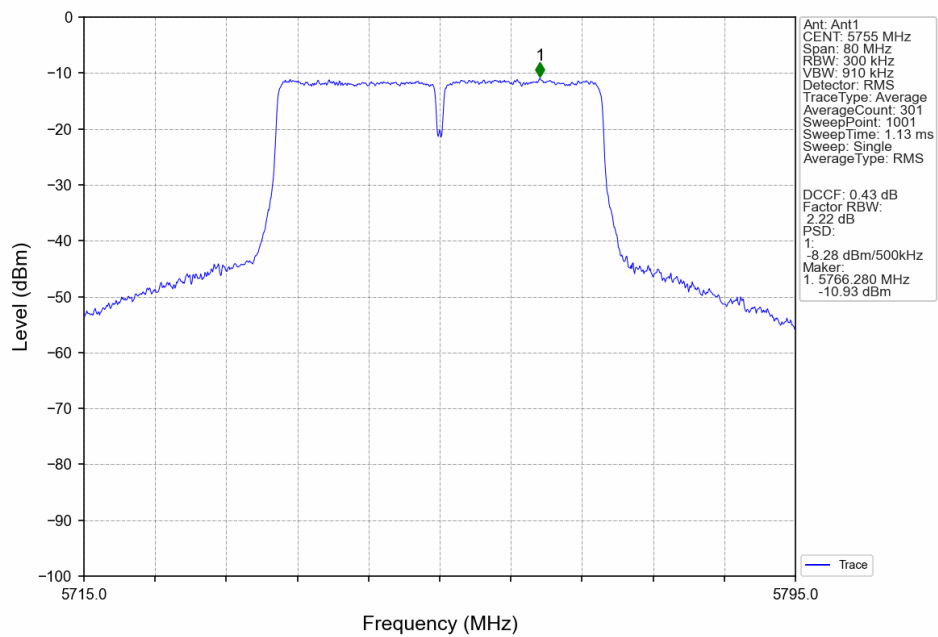
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



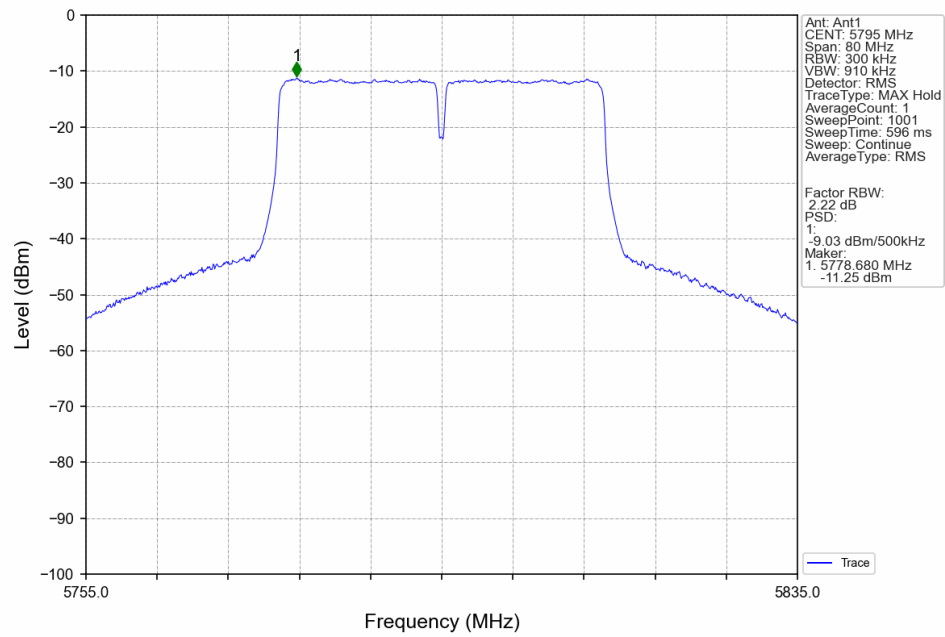
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



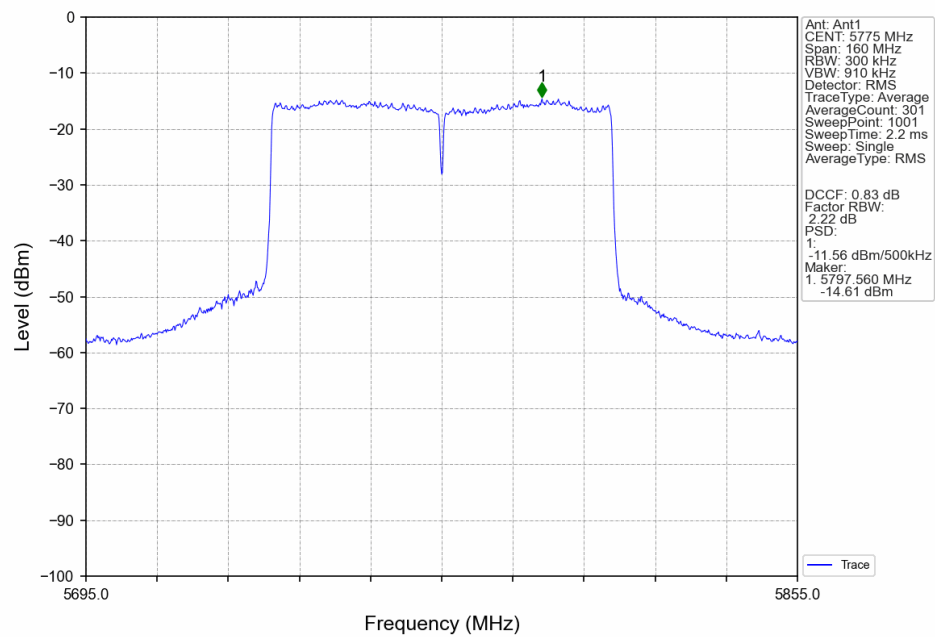
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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

Ant1							
Mode	Tx Type	Frequency (MHz)	Temperature (°C)	Voltage (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	3.27	5179.978	5150 to 5250	Pass
				3.85	5179.978	5150 to 5250	Pass
				4.43	5179.978	5150 to 5250	Pass
			-30	3.85	5179.978	5150 to 5250	Pass
			-20	3.85	5179.978	5150 to 5250	Pass
			-10	3.85	5179.978	5150 to 5250	Pass
			0	3.85	5179.977	5150 to 5250	Pass
			10	3.85	5179.977	5150 to 5250	Pass
			30	3.85	5179.977	5150 to 5250	Pass
			40	3.85	5179.977	5150 to 5250	Pass
			50	3.85	5179.977	5150 to 5250	Pass
		5200	20	3.27	5199.977	5150 to 5250	Pass
				3.85	5199.977	5150 to 5250	Pass
				4.43	5199.977	5150 to 5250	Pass
			-30	3.85	5199.977	5150 to 5250	Pass
			-20	3.85	5199.977	5150 to 5250	Pass
			-10	3.85	5199.977	5150 to 5250	Pass
			0	3.85	5199.977	5150 to 5250	Pass
			10	3.85	5199.977	5150 to 5250	Pass
			30	3.85	5199.977	5150 to 5250	Pass
			40	3.85	5199.976	5150 to 5250	Pass
			50	3.85	5199.977	5150 to 5250	Pass
		5240	20	3.27	5239.976	5150 to 5250	Pass
				3.85	5239.976	5150 to 5250	Pass
				4.43	5239.976	5150 to 5250	Pass
			-30	3.85	5239.976	5150 to 5250	Pass
			-20	3.85	5239.976	5150 to 5250	Pass
			-10	3.85	5239.976	5150 to 5250	Pass
			0	3.85	5239.976	5150 to 5250	Pass
			10	3.85	5239.976	5150 to 5250	Pass
			30	3.85	5239.976	5150 to 5250	Pass
			40	3.85	5239.976	5150 to 5250	Pass
			50	3.85	5239.976	5150 to 5250	Pass
		5745	20	3.27	5744.974	5725 to 5850	Pass
				3.85	5744.974	5725 to 5850	Pass
				4.43	5744.974	5725 to 5850	Pass
			-30	3.85	5744.974	5725 to 5850	Pass
			-20	3.85	5744.974	5725 to 5850	Pass
			-10	3.85	5744.974	5725 to 5850	Pass
			0	3.85	5744.974	5725 to 5850	Pass
			10	3.85	5744.974	5725 to 5850	Pass
			30	3.85	5744.974	5725 to 5850	Pass
			40	3.85	5744.973	5725 to 5850	Pass
			50	3.85	5744.973	5725 to 5850	Pass
		5785	20	3.27	5784.980	5725 to 5850	Pass
				3.85	5784.979	5725 to 5850	Pass
				4.43	5784.979	5725 to 5850	Pass
			-30	3.85	5784.979	5725 to 5850	Pass
			-20	3.85	5784.979	5725 to 5850	Pass
			-10	3.85	5784.979	5725 to 5850	Pass

			0	3.85	5784.979	5725 to 5850	Pass
			10	3.85	5784.979	5725 to 5850	Pass
			30	3.85	5784.978	5725 to 5850	Pass
			40	3.85	5784.978	5725 to 5850	Pass
			50	3.85	5784.978	5725 to 5850	Pass
		5825	20	3.27	5824.978	5725 to 5850	Pass
				3.85	5824.978	5725 to 5850	Pass
				4.43	5824.978	5725 to 5850	Pass
			-30	3.85	5824.978	5725 to 5850	Pass
			-20	3.85	5824.978	5725 to 5850	Pass
			-10	3.85	5824.977	5725 to 5850	Pass
			0	3.85	5824.977	5725 to 5850	Pass
			10	3.85	5824.977	5725 to 5850	Pass
			30	3.85	5824.977	5725 to 5850	Pass
			40	3.85	5824.977	5725 to 5850	Pass
			50	3.85	5824.978	5725 to 5850	Pass
		5190	20	3.27	5189.981	5150 to 5250	Pass
				3.85	5189.980	5150 to 5250	Pass
				4.43	5189.980	5150 to 5250	Pass
			-30	3.85	5189.980	5150 to 5250	Pass
			-20	3.85	5189.980	5150 to 5250	Pass
			-10	3.85	5189.980	5150 to 5250	Pass
			0	3.85	5189.980	5150 to 5250	Pass
			10	3.85	5189.980	5150 to 5250	Pass
			30	3.85	5189.980	5150 to 5250	Pass
			40	3.85	5189.980	5150 to 5250	Pass
			50	3.85	5189.980	5150 to 5250	Pass
		5230	20	3.27	5229.979	5150 to 5250	Pass
				3.85	5229.979	5150 to 5250	Pass
				4.43	5229.979	5150 to 5250	Pass
			-30	3.85	5229.979	5150 to 5250	Pass
			-20	3.85	5229.979	5150 to 5250	Pass
			-10	3.85	5229.979	5150 to 5250	Pass
			0	3.85	5229.979	5150 to 5250	Pass
			10	3.85	5229.979	5150 to 5250	Pass
			30	3.85	5229.979	5150 to 5250	Pass
			40	3.85	5229.979	5150 to 5250	Pass
			50	3.85	5229.979	5150 to 5250	Pass
		5755	20	3.27	5754.977	5725 to 5850	Pass
				3.85	5754.977	5725 to 5850	Pass
				4.43	5754.977	5725 to 5850	Pass
			-30	3.85	5754.977	5725 to 5850	Pass
			-20	3.85	5754.977	5725 to 5850	Pass
			-10	3.85	5754.976	5725 to 5850	Pass
			0	3.85	5754.976	5725 to 5850	Pass
			10	3.85	5754.976	5725 to 5850	Pass
			30	3.85	5754.976	5725 to 5850	Pass
			40	3.85	5754.976	5725 to 5850	Pass
			50	3.85	5754.976	5725 to 5850	Pass
		5795	20	3.27	5794.976	5725 to 5850	Pass
				3.85	5794.976	5725 to 5850	Pass
				4.43	5794.976	5725 to 5850	Pass
			-30	3.85	5794.976	5725 to 5850	Pass
			-20	3.85	5794.976	5725 to 5850	Pass
			-10	3.85	5794.976	5725 to 5850	Pass
			0	3.85	5794.976	5725 to 5850	Pass
			10	3.85	5794.975	5725 to 5850	Pass
			30	3.85	5794.975	5725 to 5850	Pass
			40	3.85	5794.975	5725 to 5850	Pass

			50	3.85	5794.975	5725 to 5850	Pass
			20	3.27	5209.978	5150 to 5250	Pass
				3.85	5209.978	5150 to 5250	Pass
				4.43	5209.978	5150 to 5250	Pass
				3.85	5209.978	5150 to 5250	Pass
		5210	-30	3.85	5209.978	5150 to 5250	Pass
			-20	3.85	5209.978	5150 to 5250	Pass
			-10	3.85	5209.978	5150 to 5250	Pass
			0	3.85	5209.978	5150 to 5250	Pass
			10	3.85	5209.978	5150 to 5250	Pass
			30	3.85	5209.978	5150 to 5250	Pass
			40	3.85	5209.978	5150 to 5250	Pass
			50	3.85	5209.977	5150 to 5250	Pass
		5775	20	3.27	5774.976	5725 to 5850	Pass
				3.85	5774.975	5725 to 5850	Pass
				4.43	5774.975	5725 to 5850	Pass
			-30	3.85	5774.975	5725 to 5850	Pass
			-20	3.85	5774.975	5725 to 5850	Pass
			-10	3.85	5774.975	5725 to 5850	Pass
			0	3.85	5774.975	5725 to 5850	Pass
			10	3.85	5774.975	5725 to 5850	Pass
			30	3.85	5774.975	5725 to 5850	Pass
			40	3.85	5774.975	5725 to 5850	Pass
			50	3.85	5774.975	5725 to 5850	Pass

***** End of Report *****