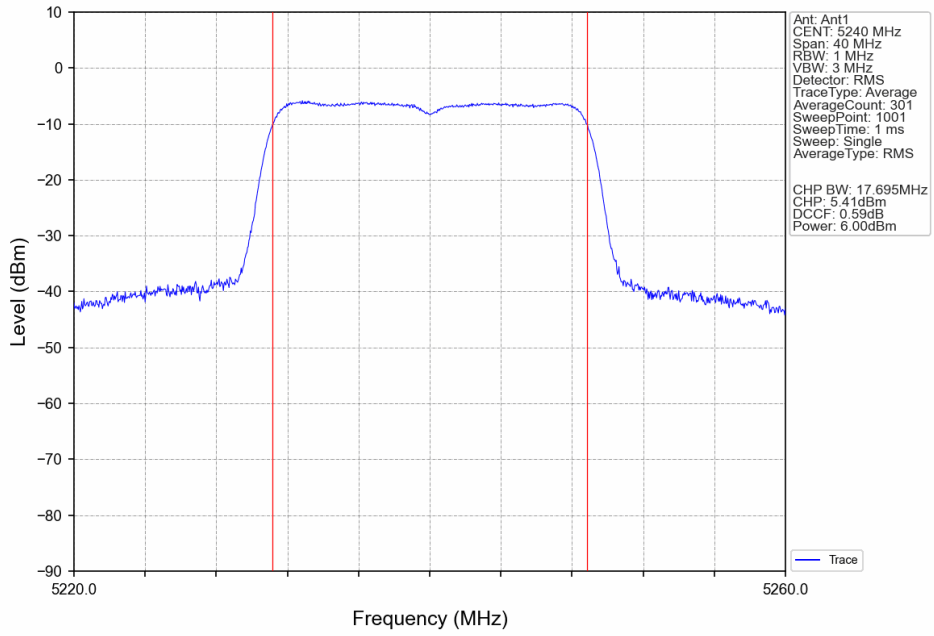
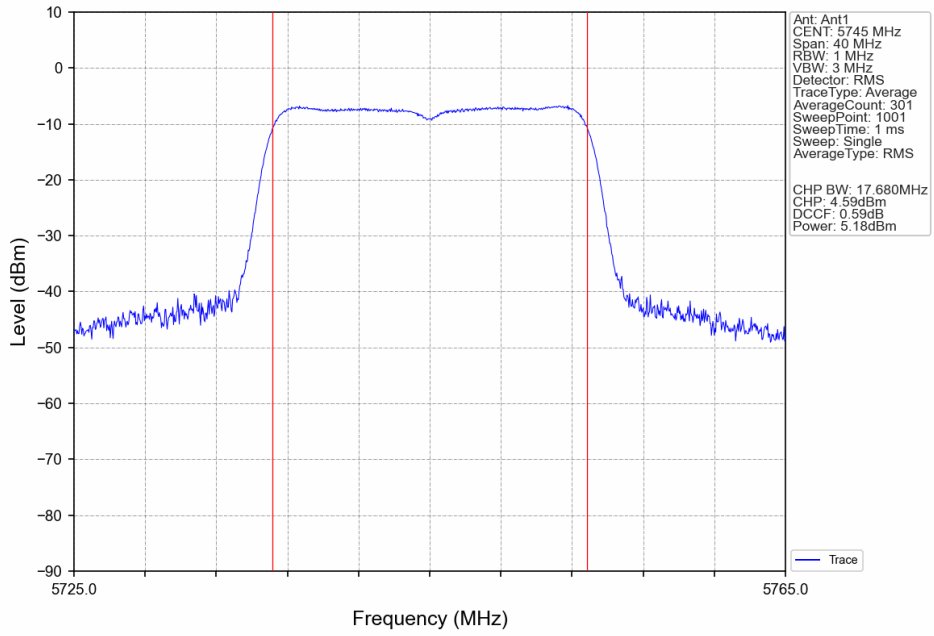
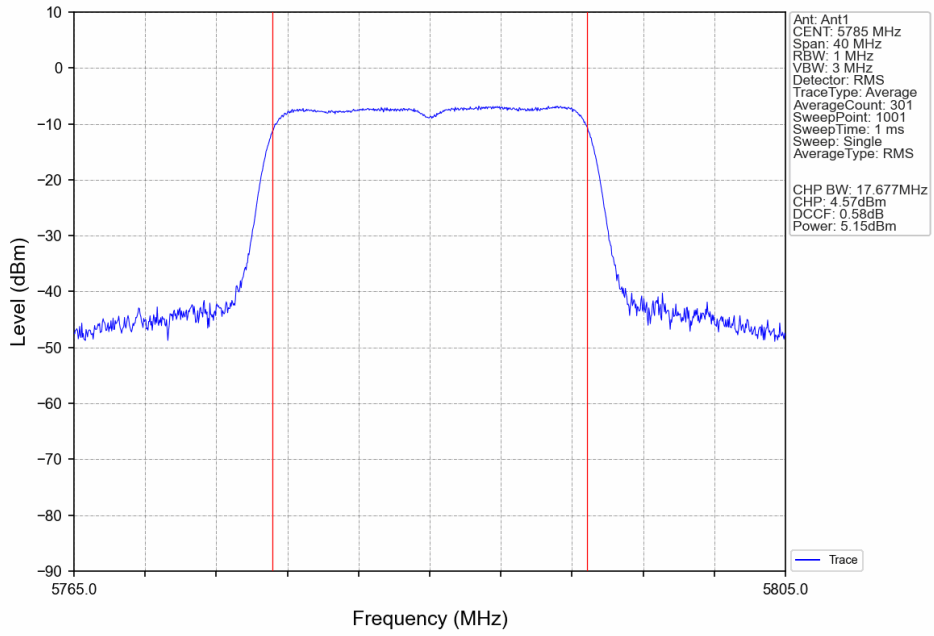
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



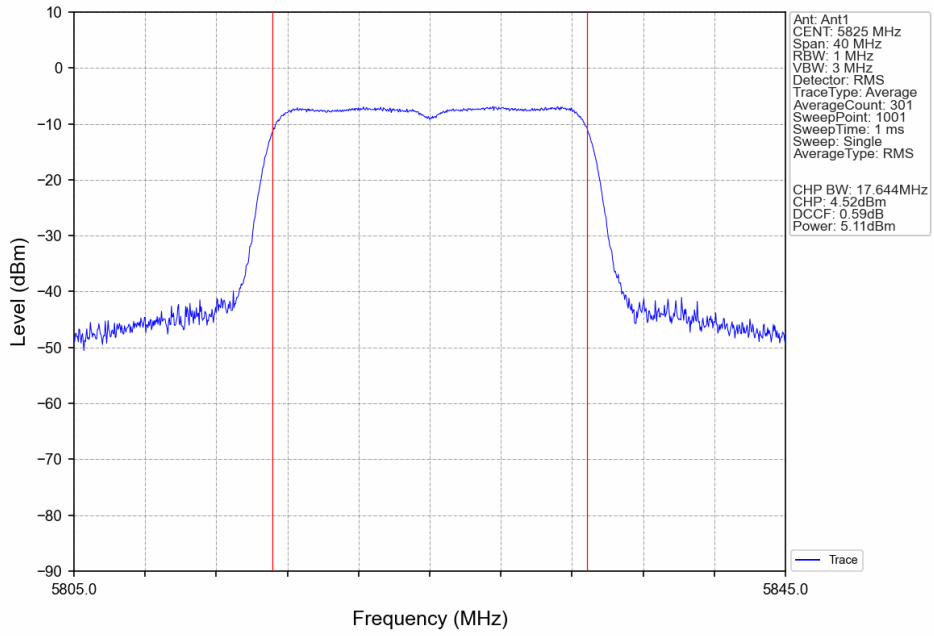
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



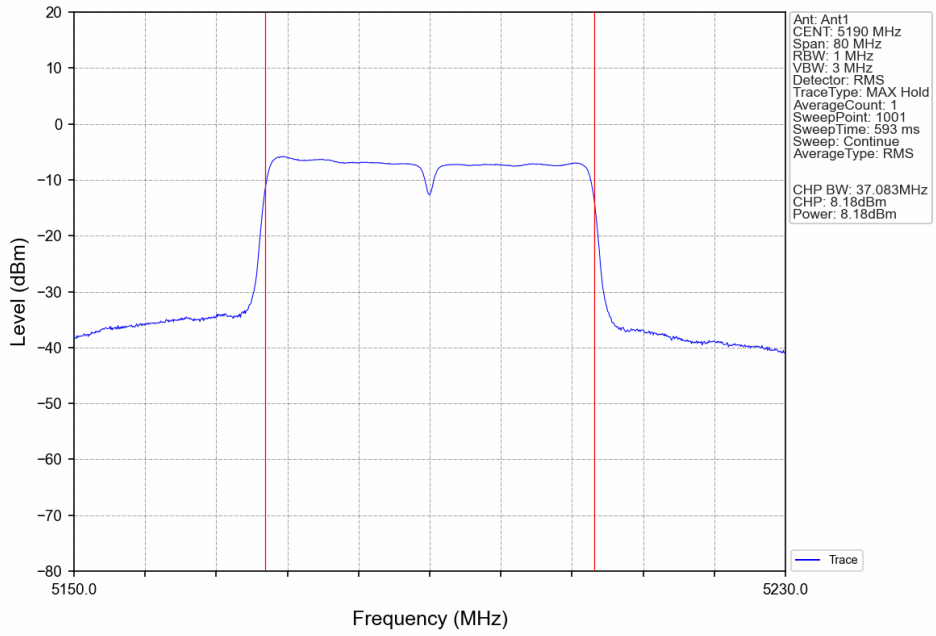
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



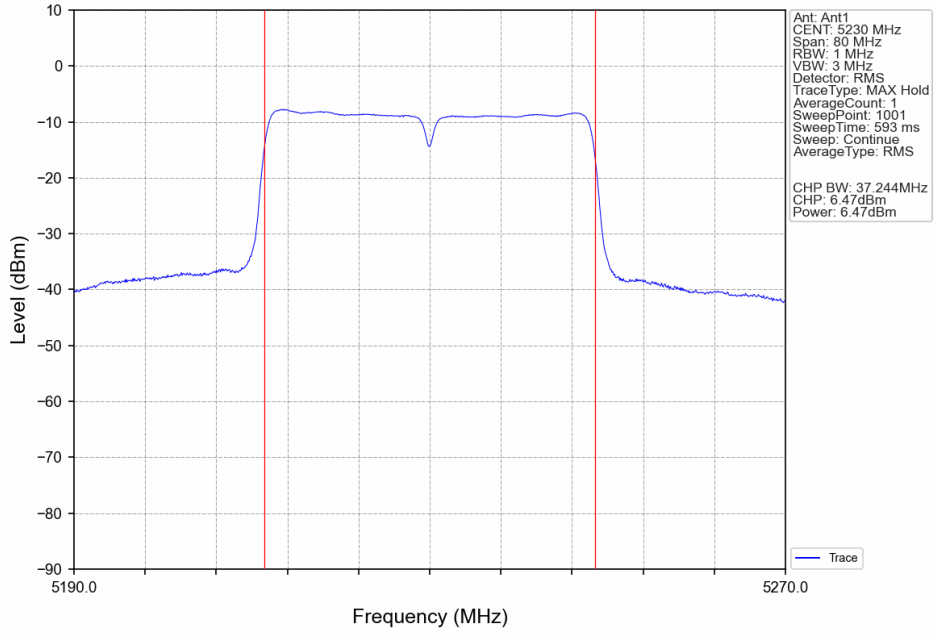
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



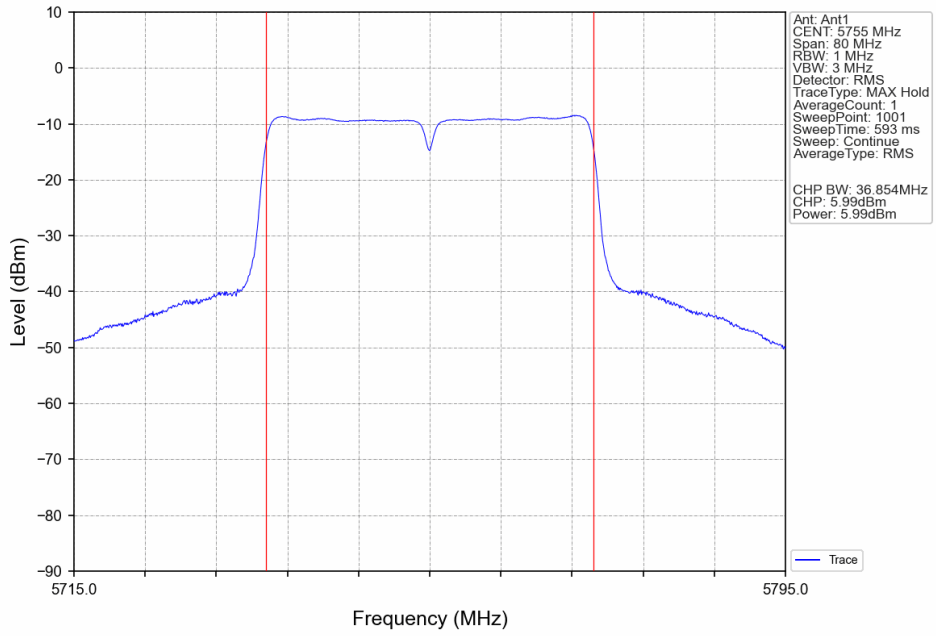
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



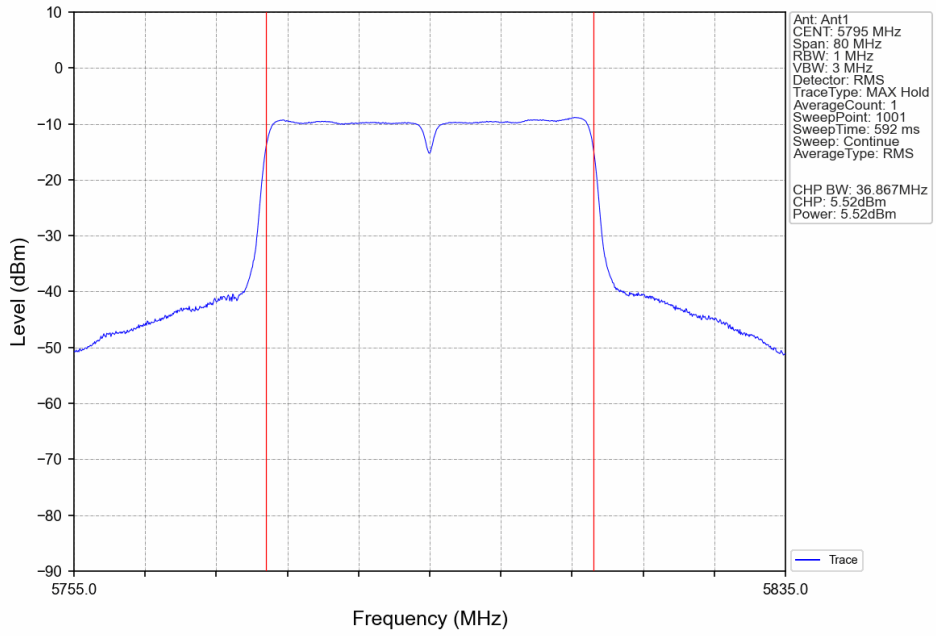
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



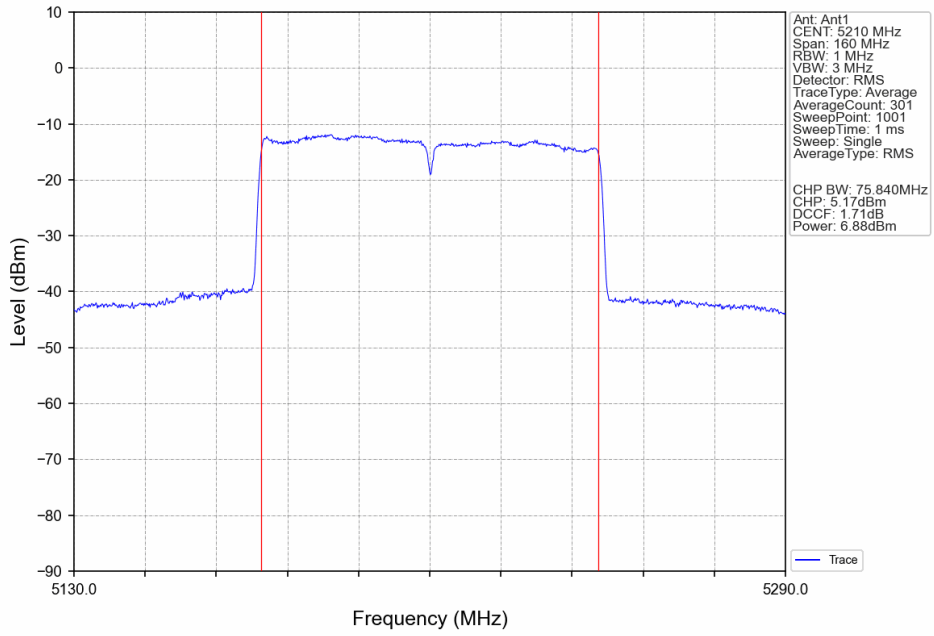
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



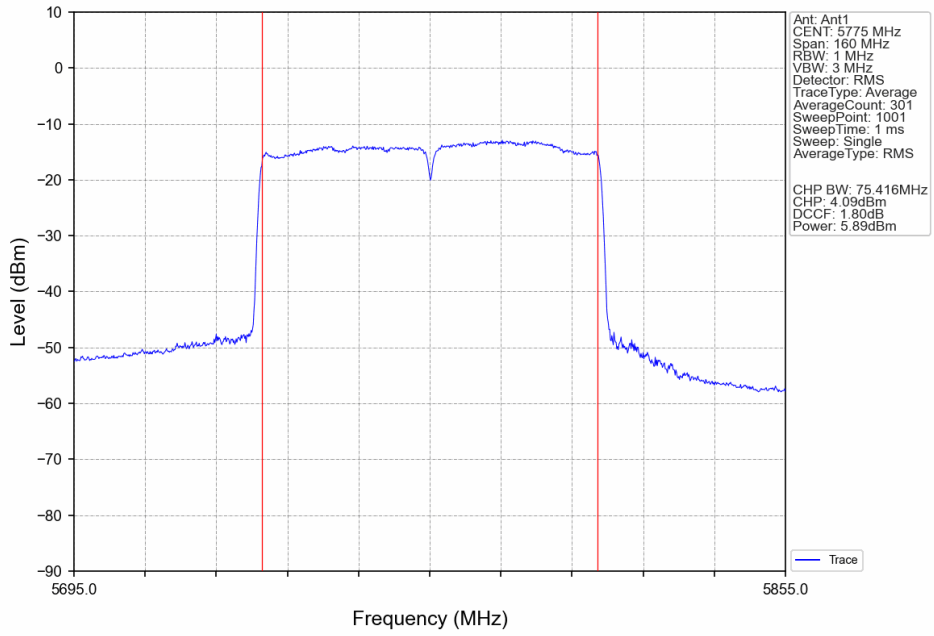
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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	-1.93	<=11	Pass
		5200	-3.85	<=11	Pass
		5240	-5.60	<=11	Pass
802.11n (HT20)	SISO	5180	-3.49	<=11	Pass
		5200	-4.03	<=11	Pass
		5240	-5.28	<=11	Pass
802.11n (HT40)	SISO	5190	-5.86	<=11	Pass
		5230	-7.92	<=11	Pass
802.11ac (VHT20)	SISO	5180	-3.15	<=11	Pass
		5200	-3.91	<=11	Pass
		5240	-5.45	<=11	Pass
802.11ac (VHT40)	SISO	5190	-5.82	<=11	Pass
		5230	-7.77	<=11	Pass
802.11ac (VHT80)	SISO	5210	-9.90	<=11	Pass

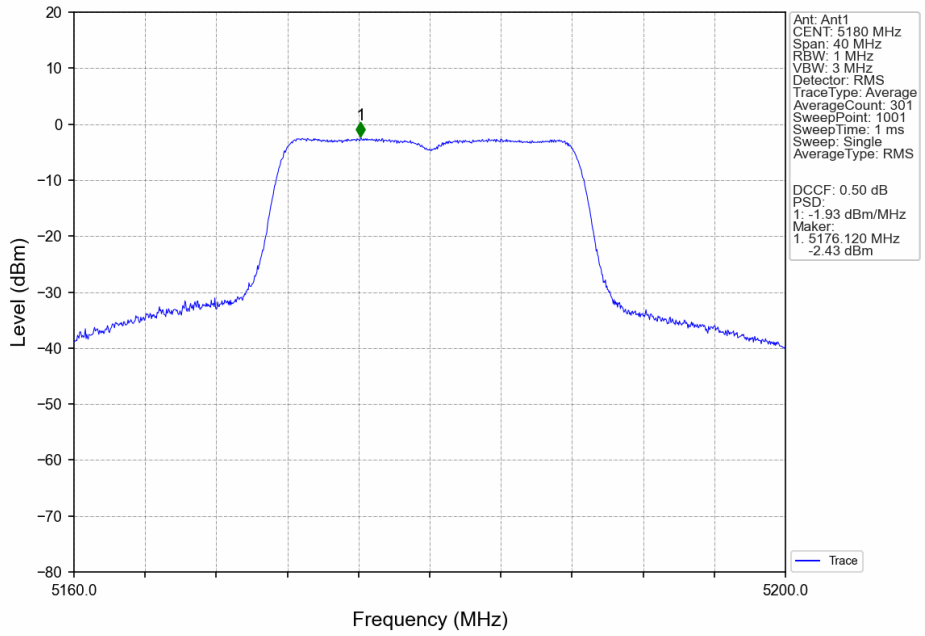
4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-8.76	<=30	Pass
		5785	-8.91	<=30	Pass
		5825	-9.00	<=30	Pass
802.11n (HT20)	SISO	5745	-8.53	<=30	Pass
		5785	-9.11	<=30	Pass
		5825	-9.21	<=30	Pass
802.11n (HT40)	SISO	5755	-11.08	<=30	Pass
		5795	-11.51	<=30	Pass
802.11ac (VHT20)	SISO	5745	-8.85	<=30	Pass
		5785	-8.98	<=30	Pass
		5825	-9.33	<=30	Pass
802.11ac (VHT40)	SISO	5755	-11.20	<=30	Pass
		5795	-11.48	<=30	Pass
802.11ac (VHT80)	SISO	5775	-14.22	<=30	Pass

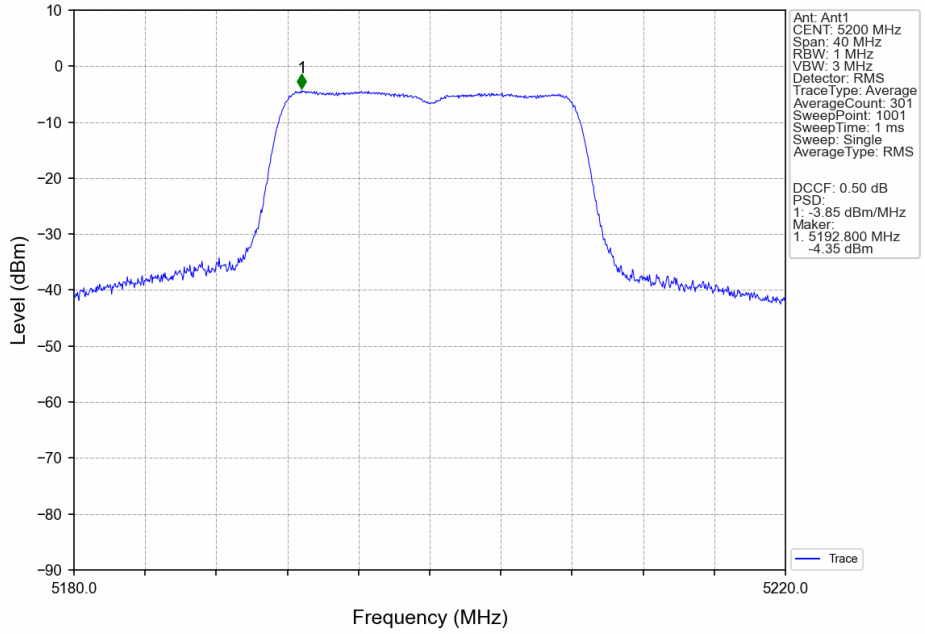
4.2 Test Graph

4.2.1 PSD

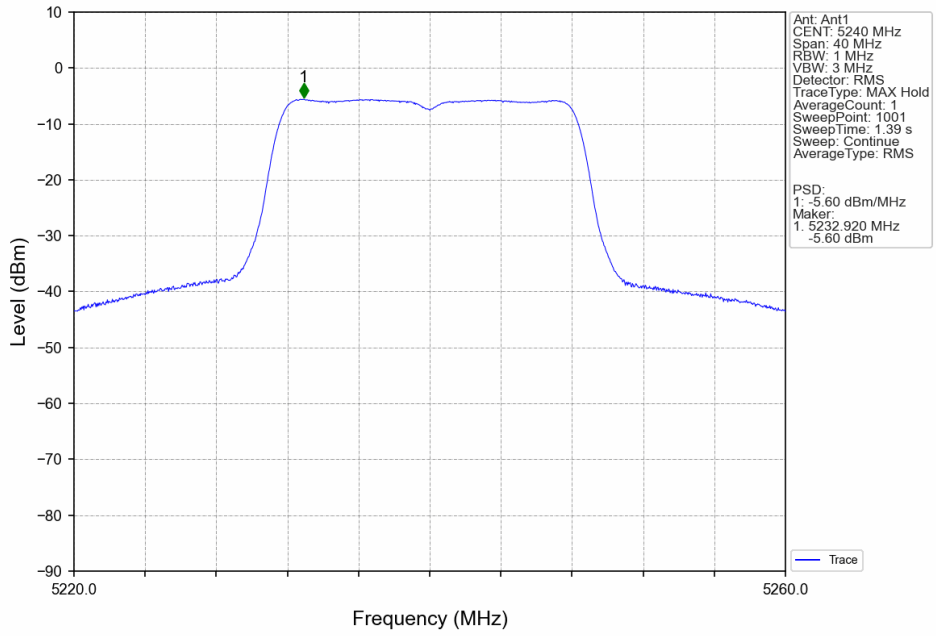
802.11a_LCH_5180MHz_Ant1_NTNV



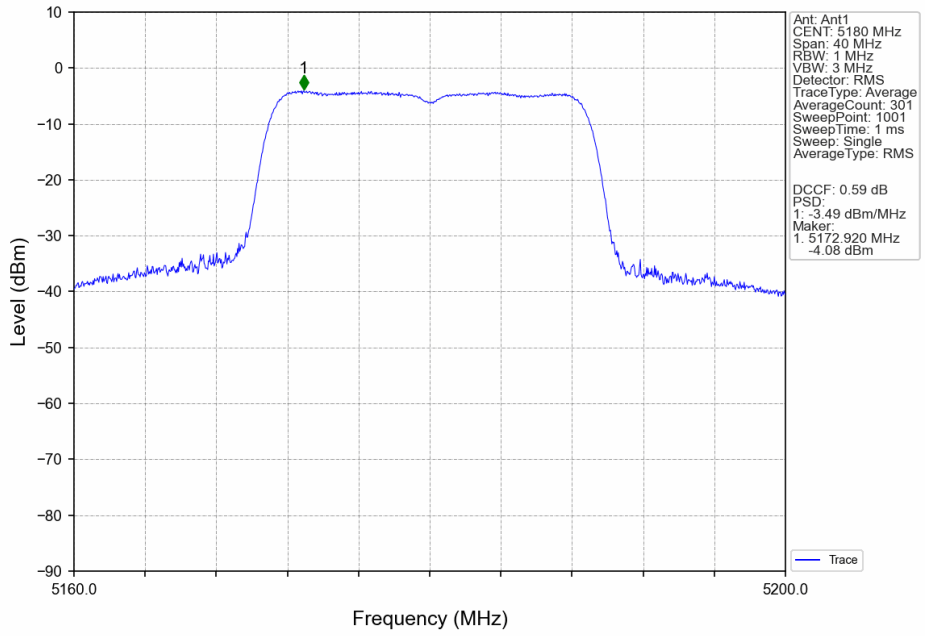
802.11a_MCH_5200MHz_Ant1_NTNV



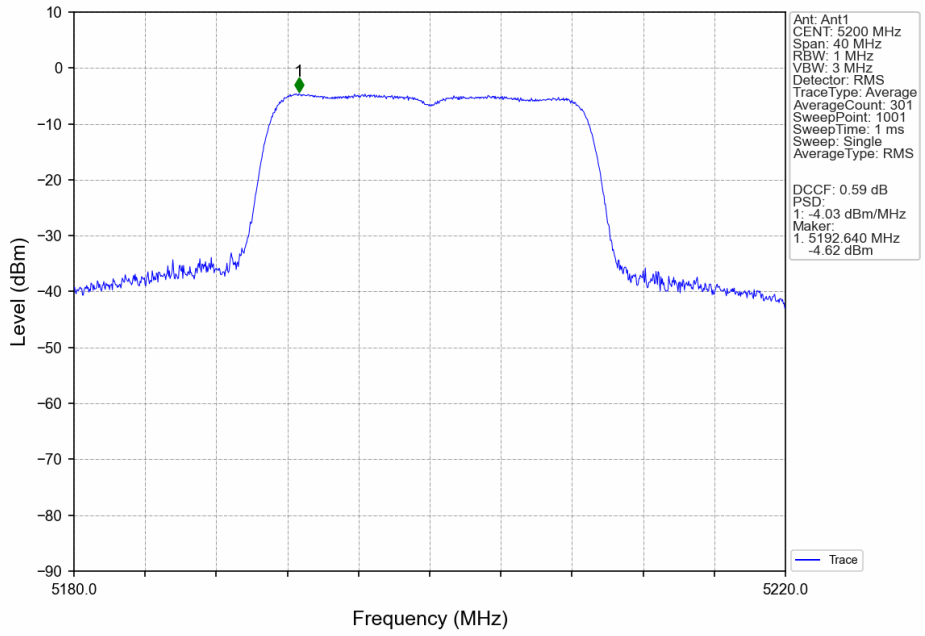
802.11a_HCH_5240MHz_Ant1_NTNV



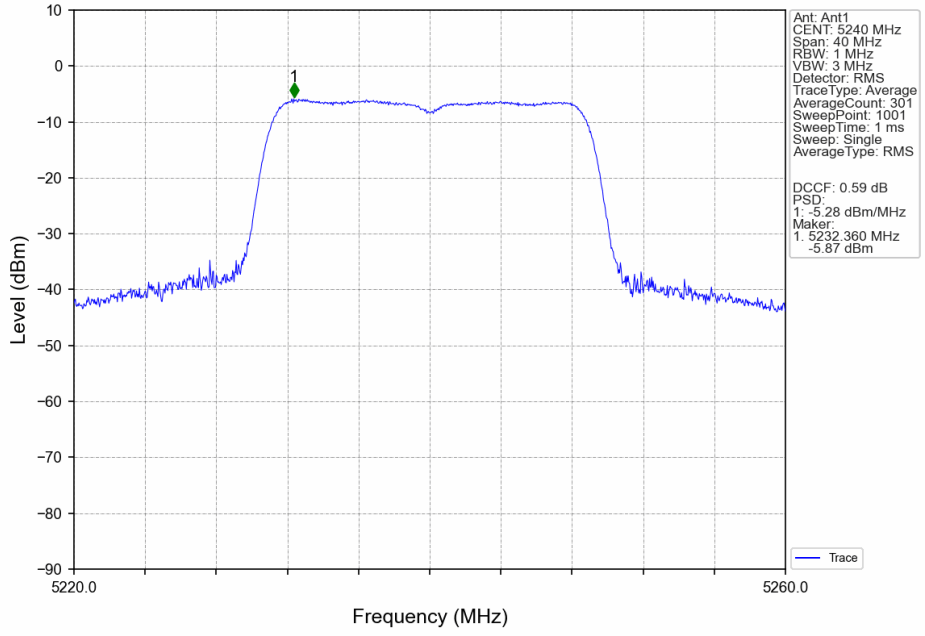
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



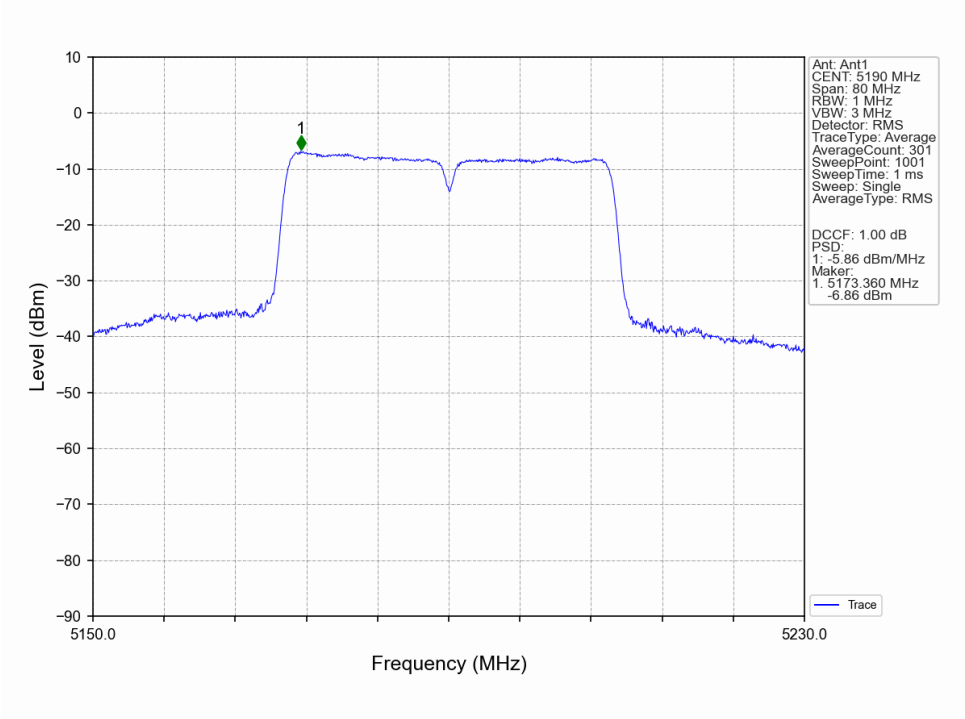
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



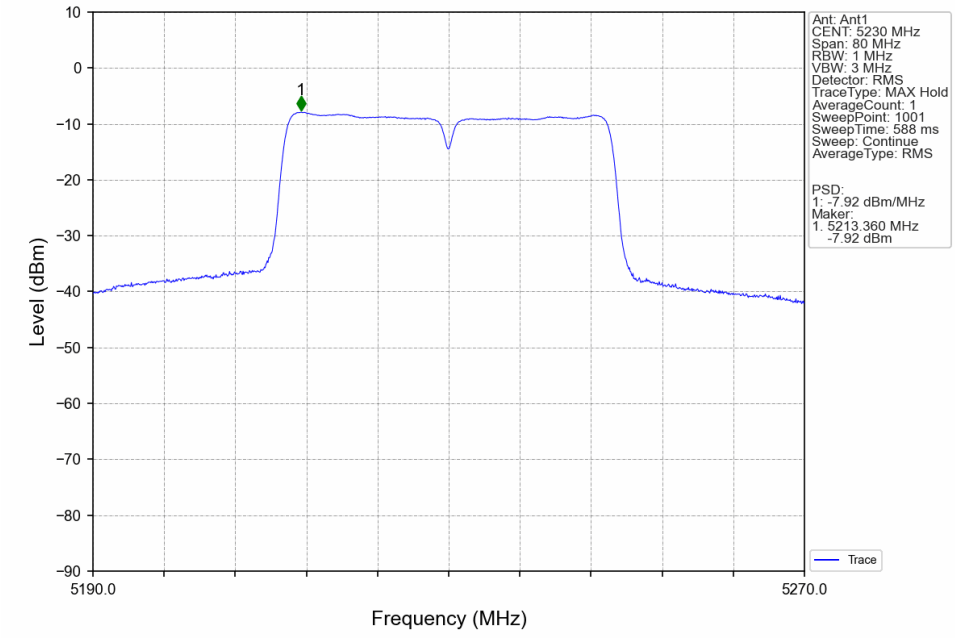
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



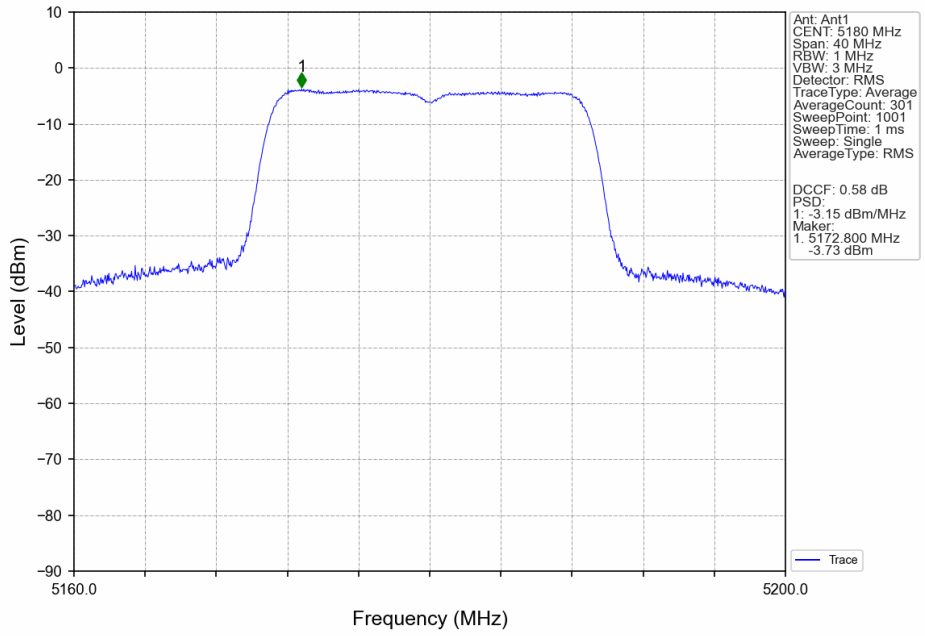
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



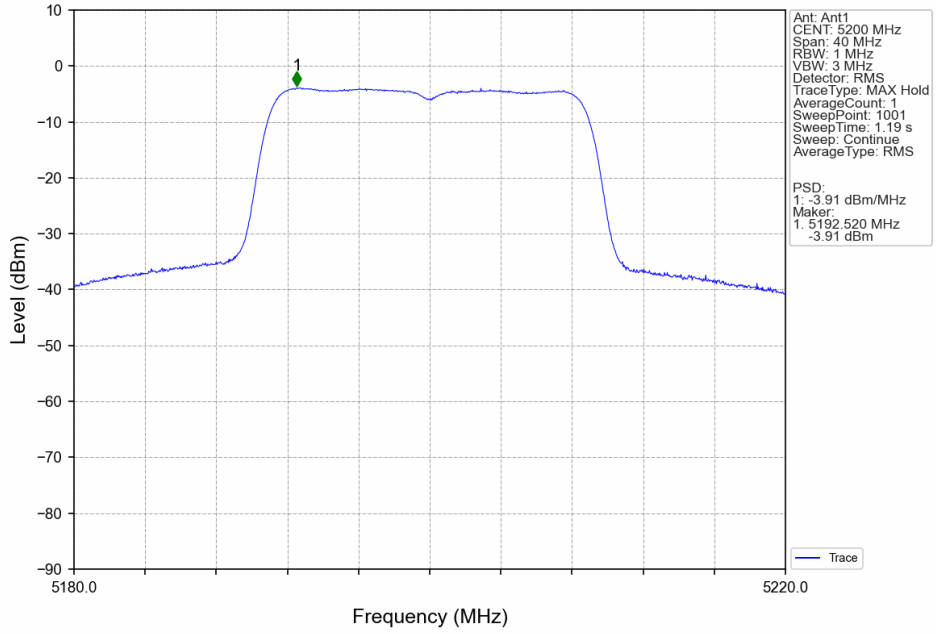
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



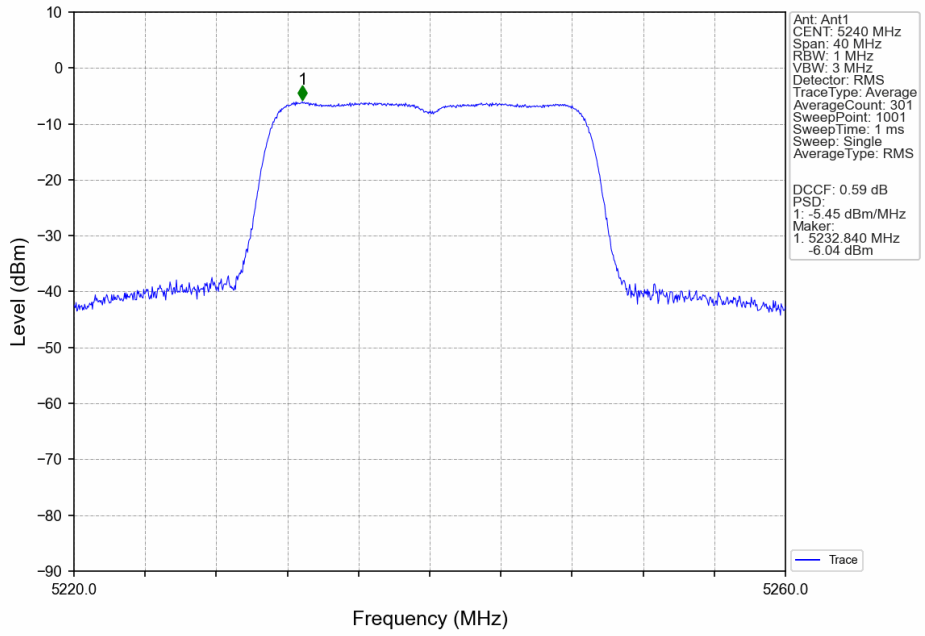
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



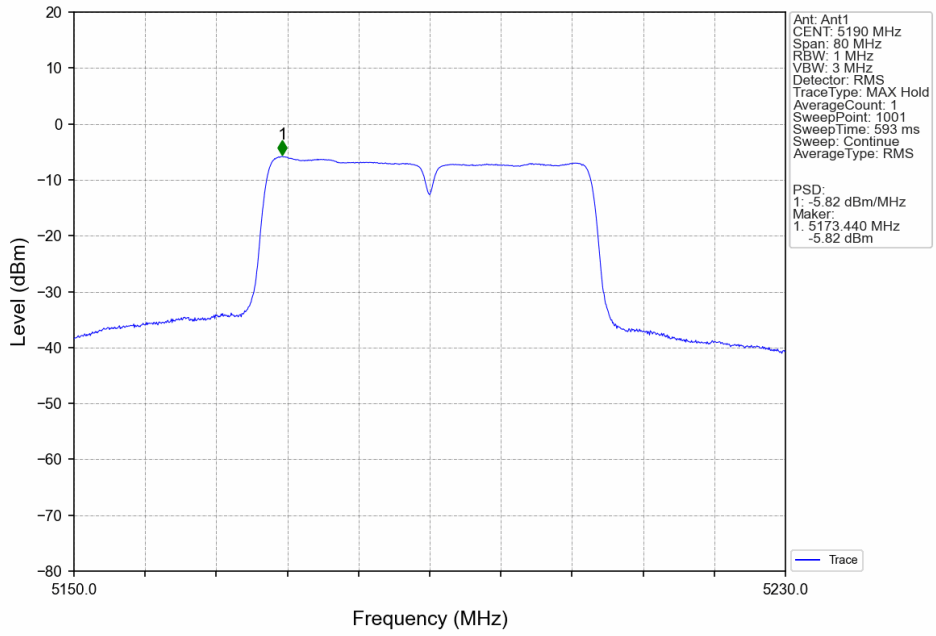
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



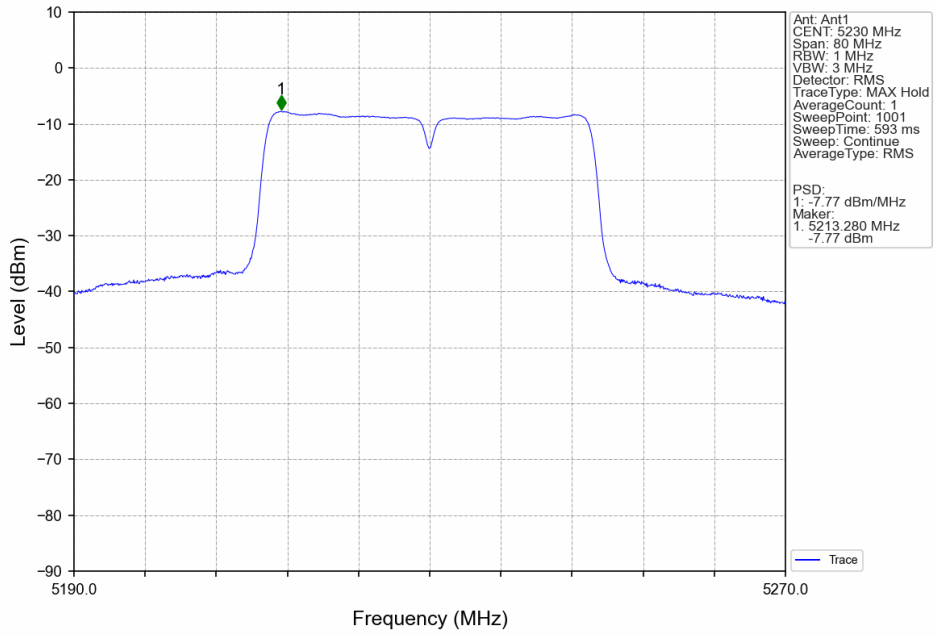
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



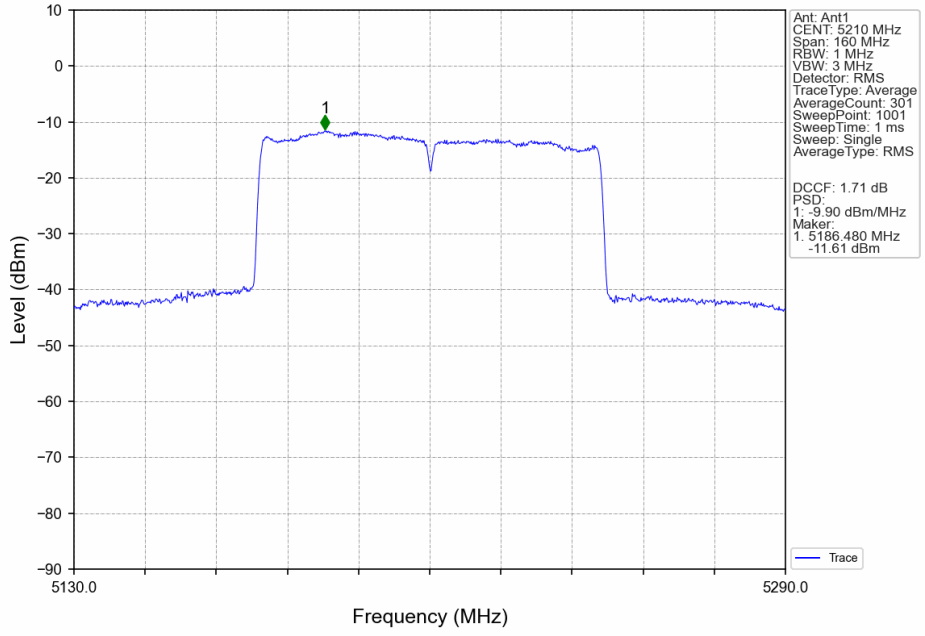
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

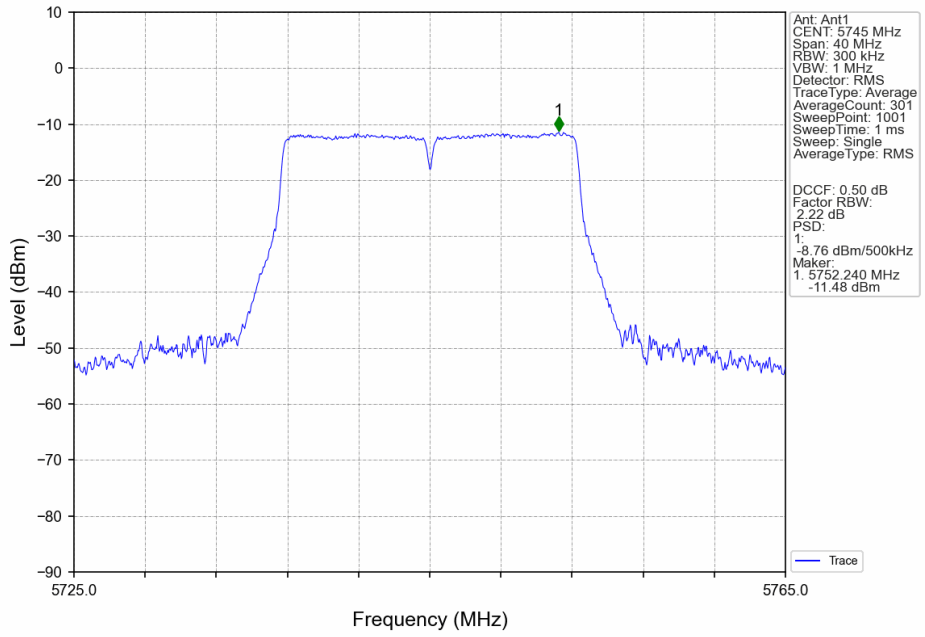


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

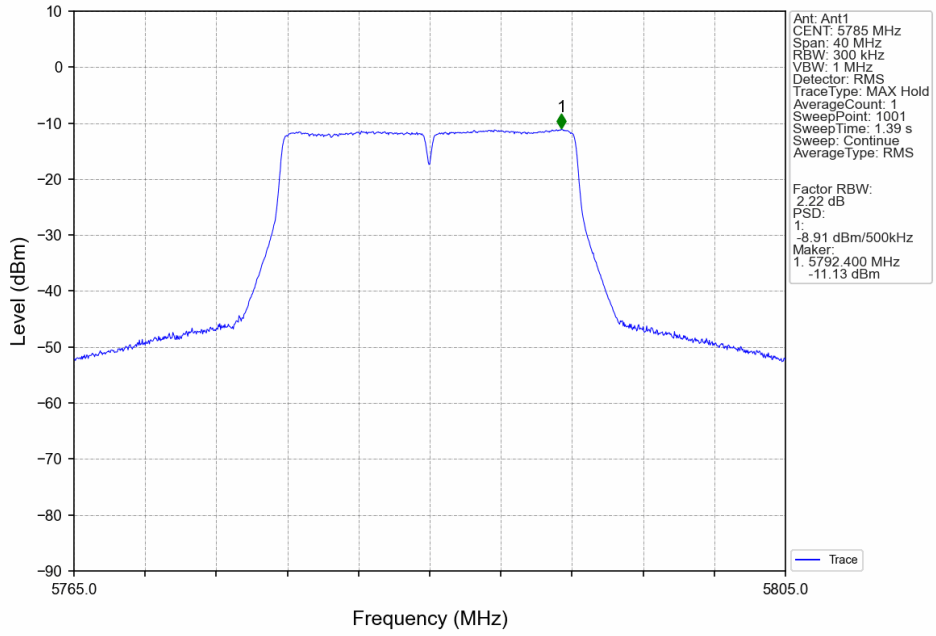


4.2.2 PSD-Band3

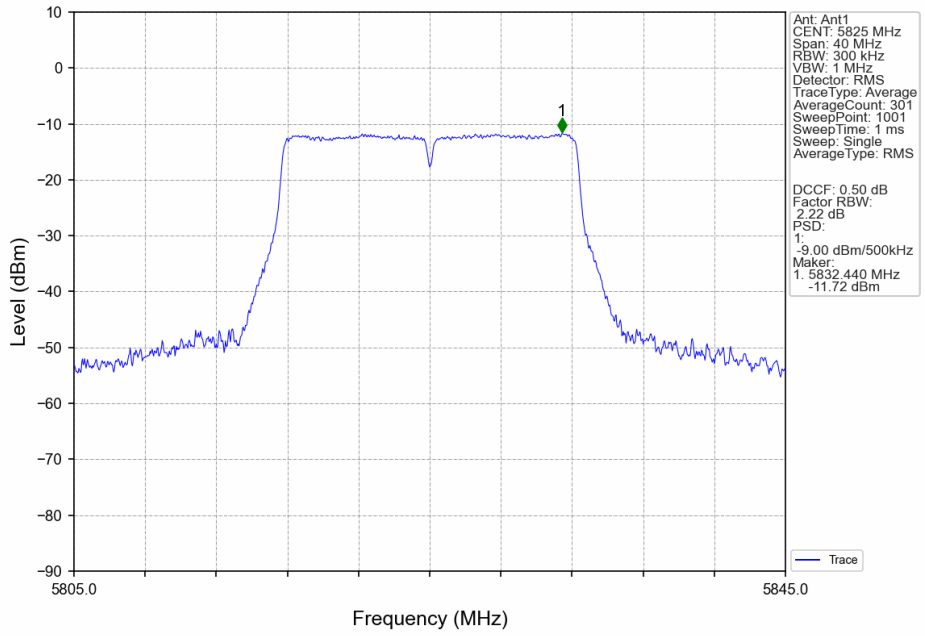
802.11a_LCH_5745MHz_Ant1_NTNV



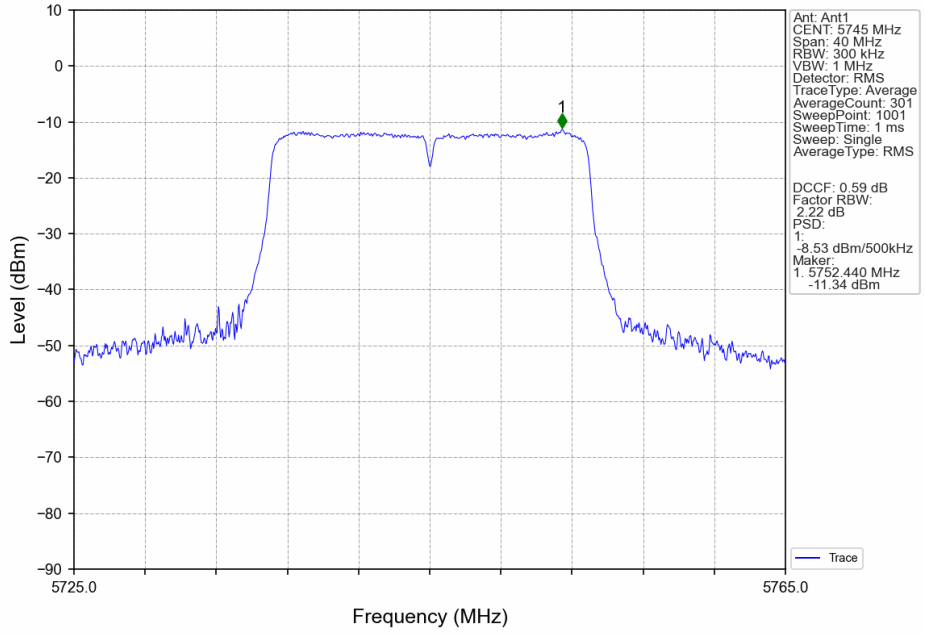
802.11a_MCH_5785MHz_Ant1_NTNV



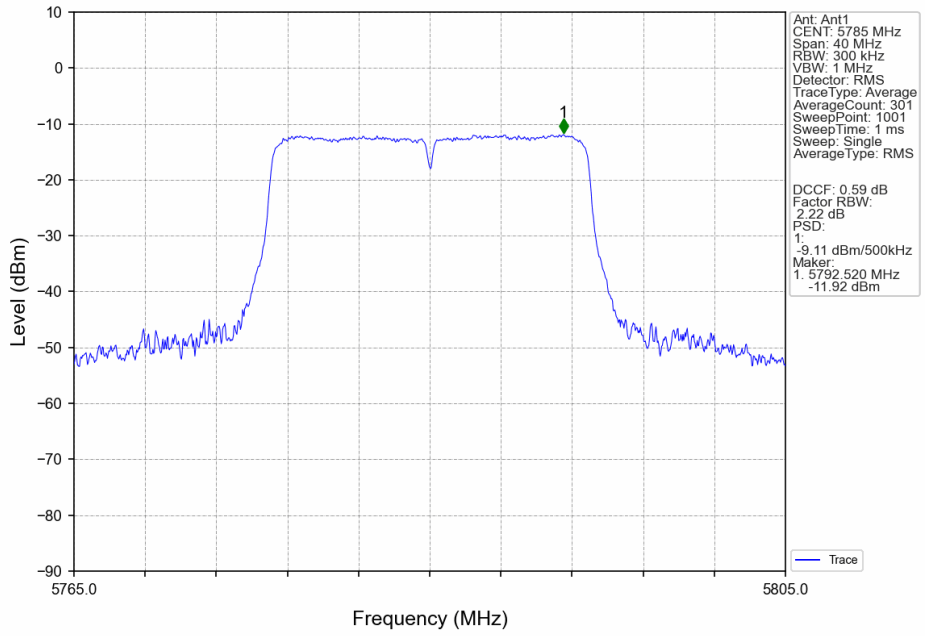
802.11a_HCH_5825MHz_Ant1_NTNV



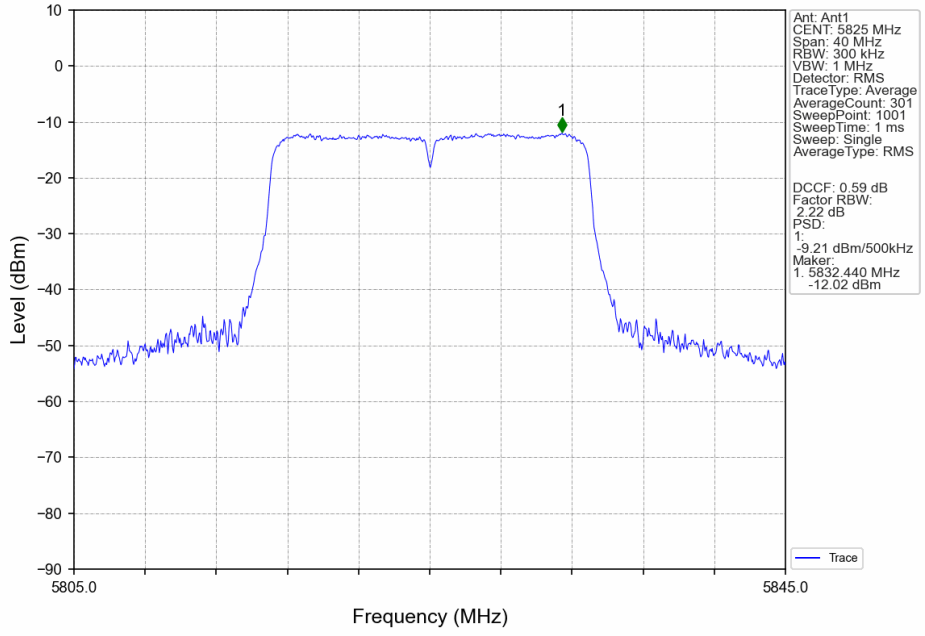
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



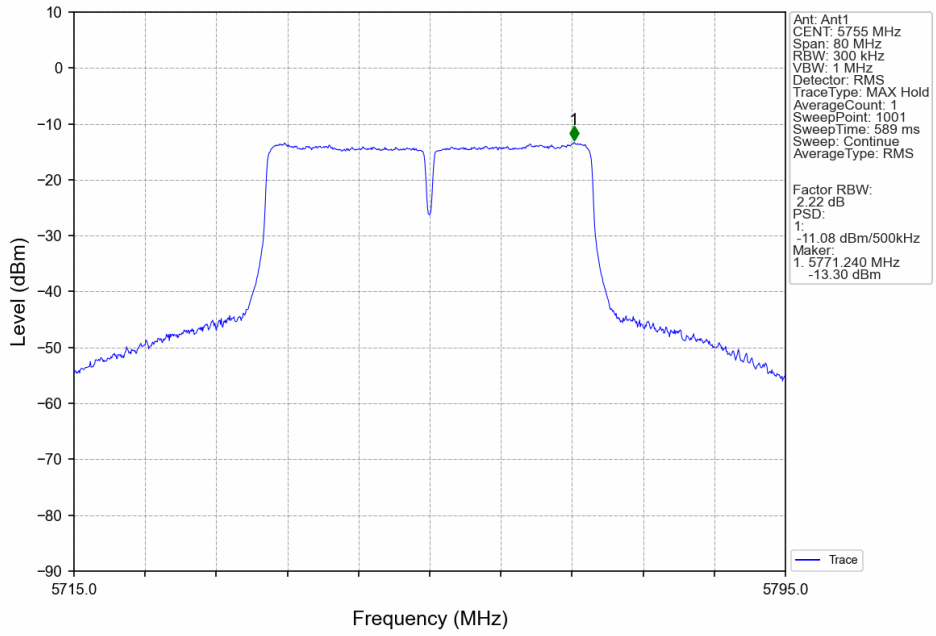
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



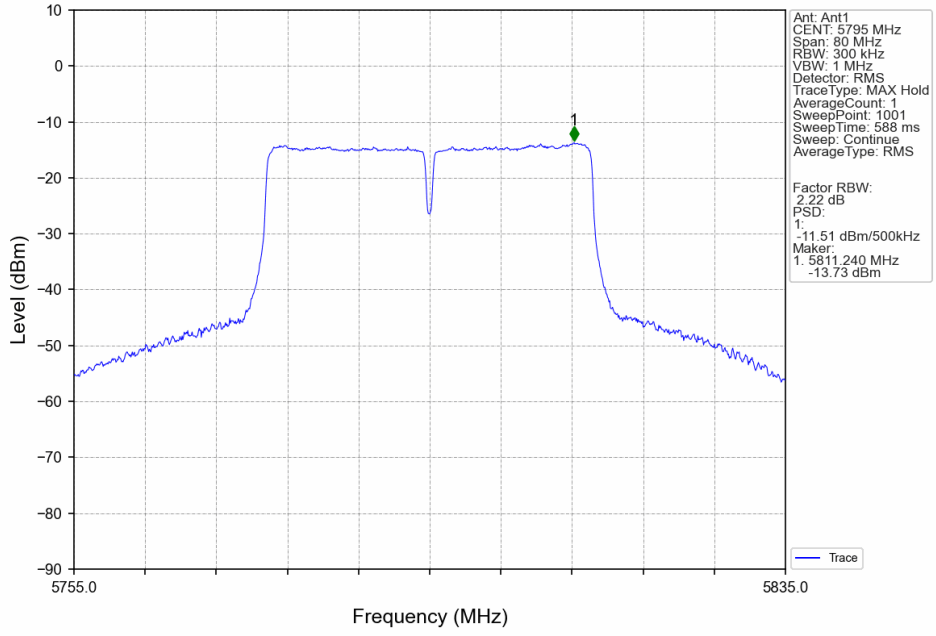
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



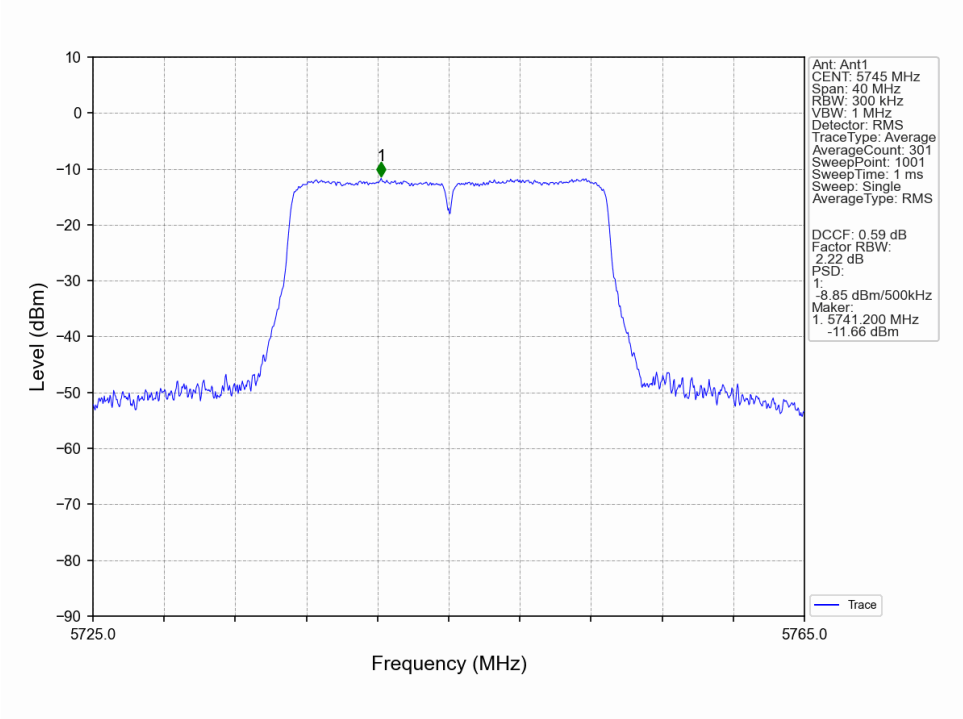
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



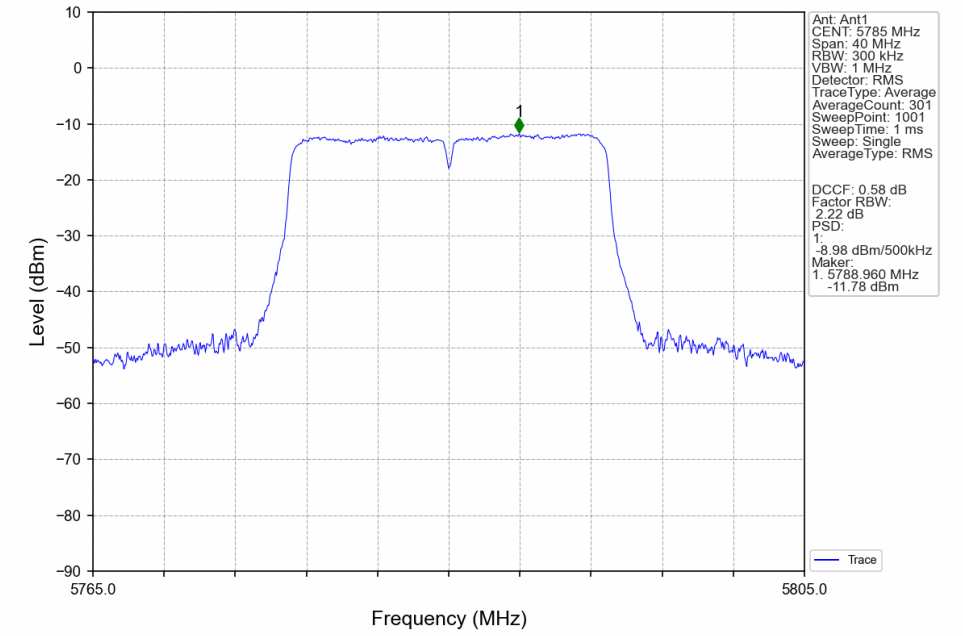
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



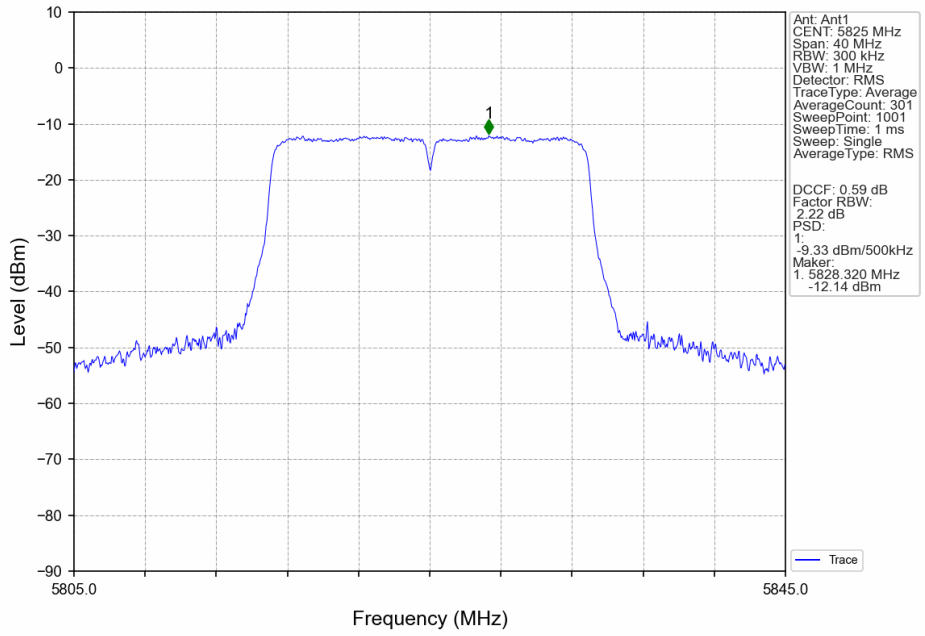
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



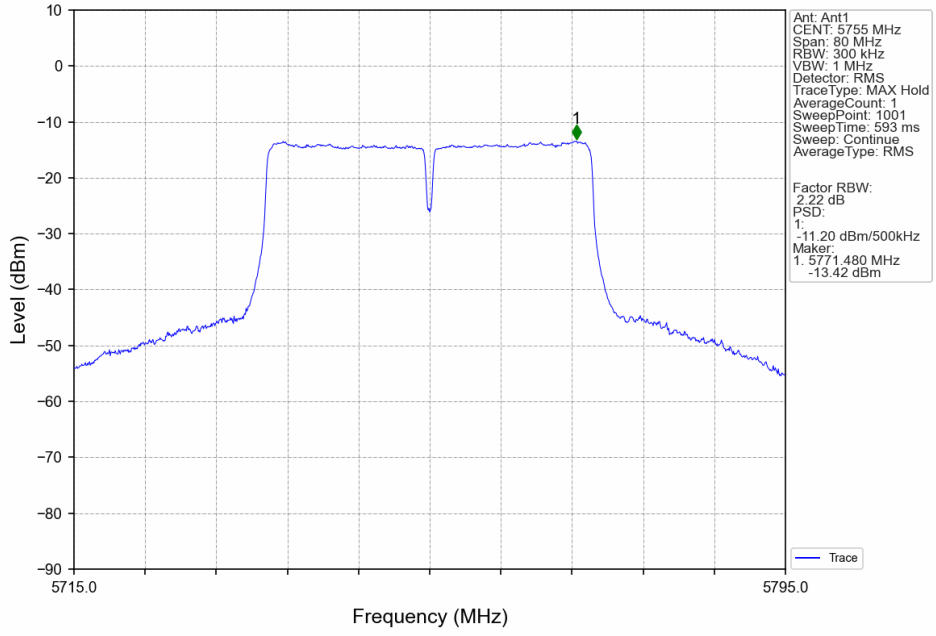
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



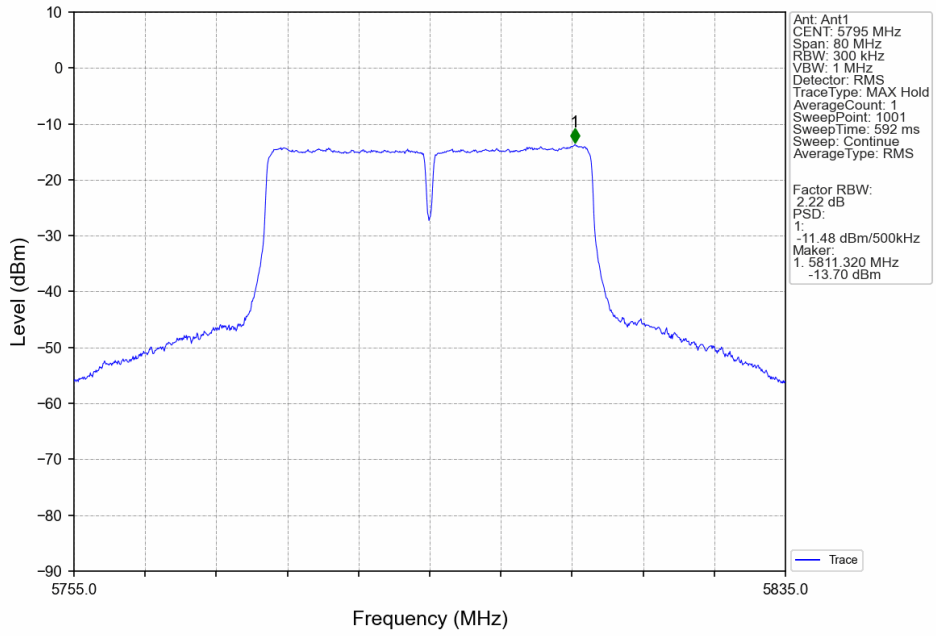
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



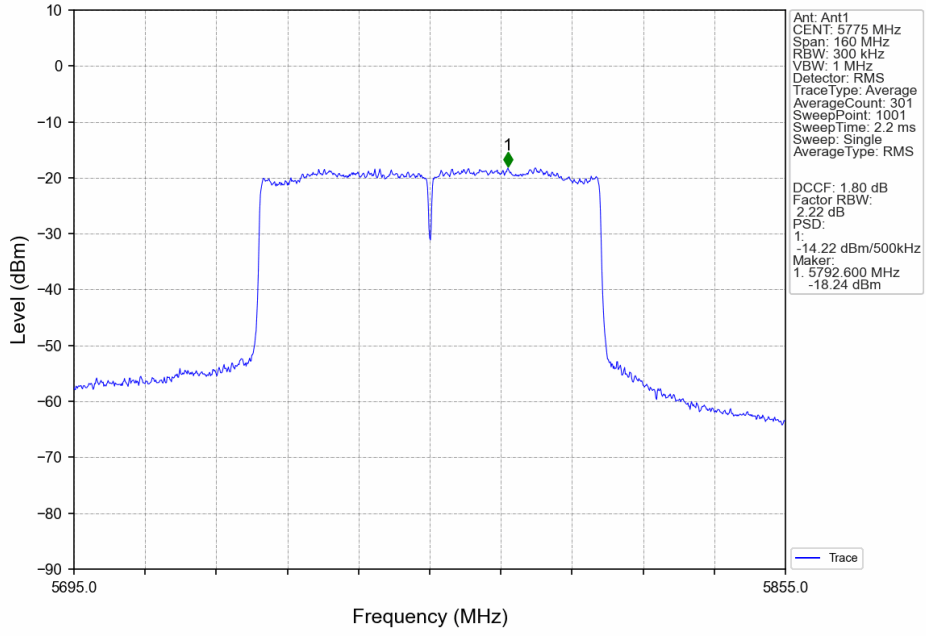
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	LV	5179.973	5150 to 5250	Pass
				NV	5179.973	5150 to 5250	Pass
				HV	5179.972	5150 to 5250	Pass
			-30	NV	5179.972	5150 to 5250	Pass
			-20	NV	5179.972	5150 to 5250	Pass
			-10	NV	5179.972	5150 to 5250	Pass
			0	NV	5179.972	5150 to 5250	Pass
			10	NV	5179.972	5150 to 5250	Pass
			30	NV	5179.972	5150 to 5250	Pass
			40	NV	5179.971	5150 to 5250	Pass
			50	NV	5179.971	5150 to 5250	Pass
		5200	20	LV	5199.971	5150 to 5250	Pass
				NV	5199.971	5150 to 5250	Pass
				HV	5199.971	5150 to 5250	Pass
			-30	NV	5199.971	5150 to 5250	Pass
			-20	NV	5199.971	5150 to 5250	Pass
			-10	NV	5199.971	5150 to 5250	Pass
			0	NV	5199.971	5150 to 5250	Pass
			10	NV	5199.971	5150 to 5250	Pass
			30	NV	5199.971	5150 to 5250	Pass
			40	NV	5199.971	5150 to 5250	Pass
			50	NV	5199.971	5150 to 5250	Pass
		5240	20	LV	5239.970	5150 to 5250	Pass
				NV	5239.970	5150 to 5250	Pass
				HV	5239.970	5150 to 5250	Pass
			-30	NV	5239.970	5150 to 5250	Pass
			-20	NV	5239.970	5150 to 5250	Pass
			-10	NV	5239.970	5150 to 5250	Pass
			0	NV	5239.970	5150 to 5250	Pass
			10	NV	5239.970	5150 to 5250	Pass
			30	NV	5239.970	5150 to 5250	Pass
			40	NV	5239.970	5150 to 5250	Pass
			50	NV	5239.970	5150 to 5250	Pass
		5745	20	LV	5744.968	5725 to 5850	Pass
				NV	5744.968	5725 to 5850	Pass
				HV	5744.968	5725 to 5850	Pass
			-30	NV	5744.968	5725 to 5850	Pass
			-20	NV	5744.968	5725 to 5850	Pass
			-10	NV	5744.968	5725 to 5850	Pass
			0	NV	5744.968	5725 to 5850	Pass
			10	NV	5744.968	5725 to 5850	Pass
			30	NV	5744.968	5725 to 5850	Pass
			40	NV	5744.968	5725 to 5850	Pass
			50	NV	5744.968	5725 to 5850	Pass
		5785	20	LV	5784.968	5725 to 5850	Pass
				NV	5784.968	5725 to 5850	Pass
				HV	5784.968	5725 to 5850	Pass
			-30	NV	5784.968	5725 to 5850	Pass
			-20	NV	5784.967	5725 to 5850	Pass
			-10	NV	5784.967	5725 to 5850	Pass

			0	NV	5784.967	5725 to 5850	Pass
			10	NV	5784.967	5725 to 5850	Pass
			30	NV	5784.967	5725 to 5850	Pass
			40	NV	5784.967	5725 to 5850	Pass
			50	NV	5784.967	5725 to 5850	Pass
		5825	20	LV	5824.969	5725 to 5850	Pass
				NV	5824.969	5725 to 5850	Pass
				HV	5824.968	5725 to 5850	Pass
			-30	NV	5824.968	5725 to 5850	Pass
			-20	NV	5824.968	5725 to 5850	Pass
			-10	NV	5824.968	5725 to 5850	Pass
			0	NV	5824.968	5725 to 5850	Pass
			10	NV	5824.968	5725 to 5850	Pass
			30	NV	5824.968	5725 to 5850	Pass
			40	NV	5824.968	5725 to 5850	Pass
			50	NV	5824.968	5725 to 5850	Pass
		5190	20	LV	5189.971	5150 to 5250	Pass
				NV	5189.970	5150 to 5250	Pass
				HV	5189.970	5150 to 5250	Pass
			-30	NV	5189.970	5150 to 5250	Pass
			-20	NV	5189.970	5150 to 5250	Pass
			-10	NV	5189.970	5150 to 5250	Pass
			0	NV	5189.970	5150 to 5250	Pass
			10	NV	5189.970	5150 to 5250	Pass
			30	NV	5189.970	5150 to 5250	Pass
			40	NV	5189.970	5150 to 5250	Pass
			50	NV	5189.970	5150 to 5250	Pass
		5230	20	LV	5229.970	5150 to 5250	Pass
				NV	5229.969	5150 to 5250	Pass
				HV	5229.969	5150 to 5250	Pass
			-30	NV	5229.969	5150 to 5250	Pass
			-20	NV	5229.969	5150 to 5250	Pass
			-10	NV	5229.969	5150 to 5250	Pass
			0	NV	5229.969	5150 to 5250	Pass
			10	NV	5229.969	5150 to 5250	Pass
			30	NV	5229.969	5150 to 5250	Pass
			40	NV	5229.969	5150 to 5250	Pass
			50	NV	5229.969	5150 to 5250	Pass
		5755	20	LV	5754.967	5725 to 5850	Pass
				NV	5754.967	5725 to 5850	Pass
				HV	5754.967	5725 to 5850	Pass
			-30	NV	5754.967	5725 to 5850	Pass
			-20	NV	5754.967	5725 to 5850	Pass
			-10	NV	5754.967	5725 to 5850	Pass
			0	NV	5754.967	5725 to 5850	Pass
			10	NV	5754.967	5725 to 5850	Pass
			30	NV	5754.967	5725 to 5850	Pass
			40	NV	5754.967	5725 to 5850	Pass
			50	NV	5754.967	5725 to 5850	Pass
		5795	20	LV	5794.967	5725 to 5850	Pass
				NV	5794.967	5725 to 5850	Pass
				HV	5794.967	5725 to 5850	Pass
			-30	NV	5794.967	5725 to 5850	Pass
			-20	NV	5794.967	5725 to 5850	Pass
			-10	NV	5794.967	5725 to 5850	Pass
			0	NV	5794.966	5725 to 5850	Pass
			10	NV	5794.966	5725 to 5850	Pass
			30	NV	5794.967	5725 to 5850	Pass
			40	NV	5794.966	5725 to 5850	Pass

			50	NV	5794.967	5725 to 5850	Pass
		5210	20	LV	5209.970	5150 to 5250	Pass
				NV	5209.970	5150 to 5250	Pass
				HV	5209.970	5150 to 5250	Pass
			-30	NV	5209.970	5150 to 5250	Pass
			-20	NV	5209.970	5150 to 5250	Pass
			-10	NV	5209.970	5150 to 5250	Pass
			0	NV	5209.970	5150 to 5250	Pass
			10	NV	5209.970	5150 to 5250	Pass
			30	NV	5209.970	5150 to 5250	Pass
			40	NV	5209.970	5150 to 5250	Pass
			50	NV	5209.969	5150 to 5250	Pass
		5775	20	LV	5774.966	5725 to 5850	Pass
				NV	5774.966	5725 to 5850	Pass
				HV	5774.966	5725 to 5850	Pass
			-30	NV	5774.967	5725 to 5850	Pass
			-20	NV	5774.967	5725 to 5850	Pass
			-10	NV	5774.967	5725 to 5850	Pass
			0	NV	5774.967	5725 to 5850	Pass
			10	NV	5774.966	5725 to 5850	Pass
			30	NV	5774.966	5725 to 5850	Pass
			40	NV	5774.966	5725 to 5850	Pass
			50	NV	5774.967	5725 to 5850	Pass

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