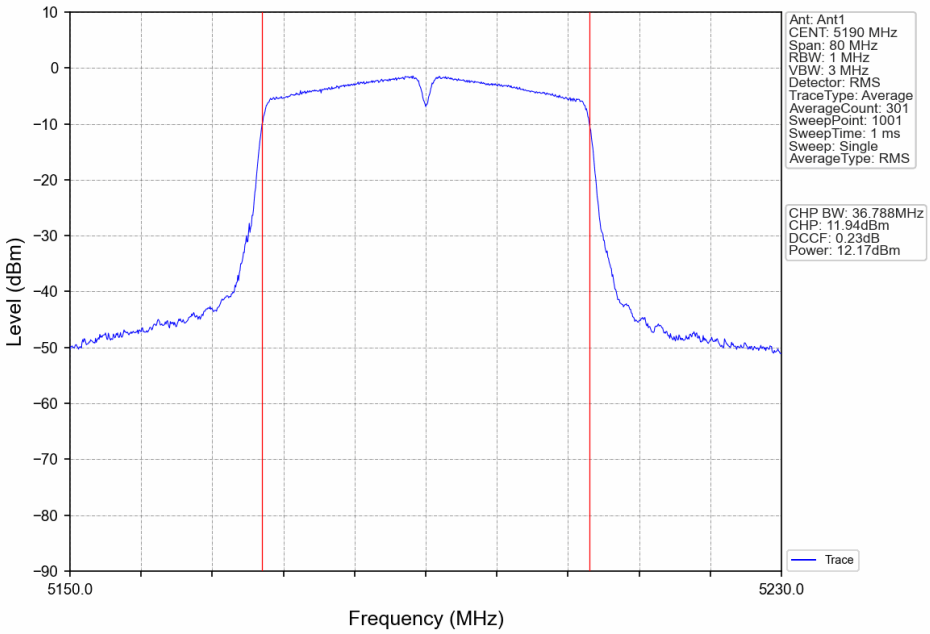
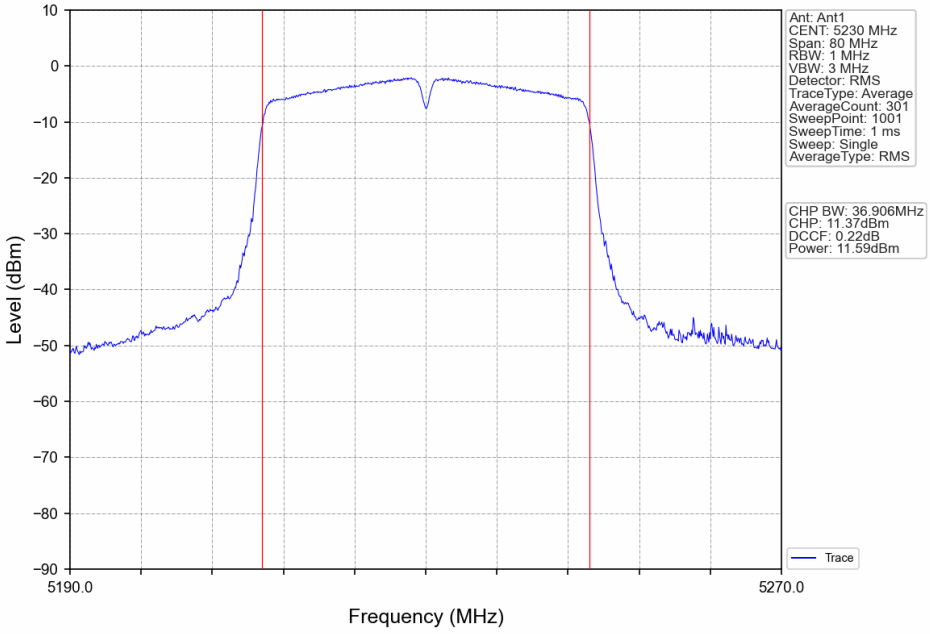
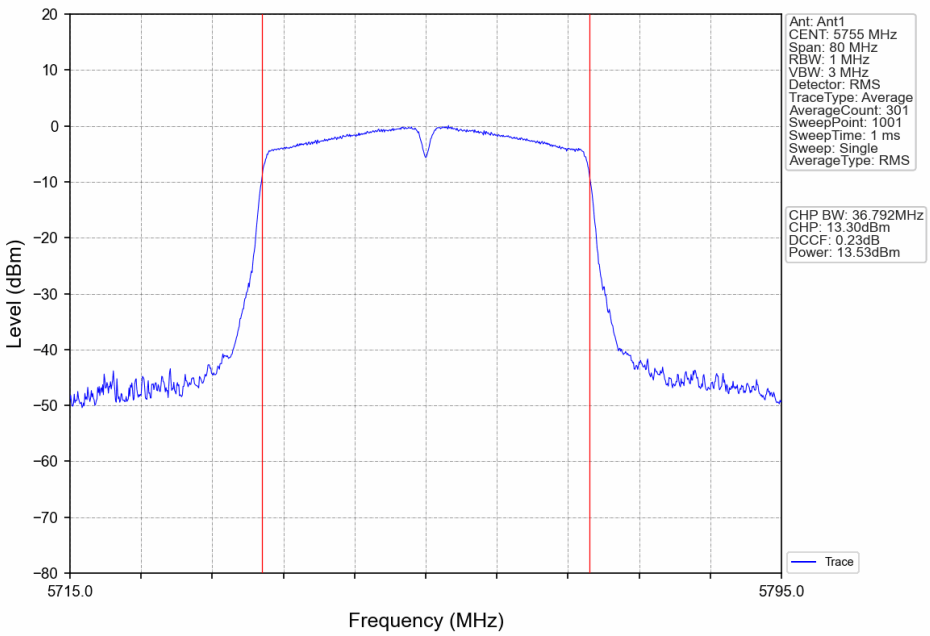
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



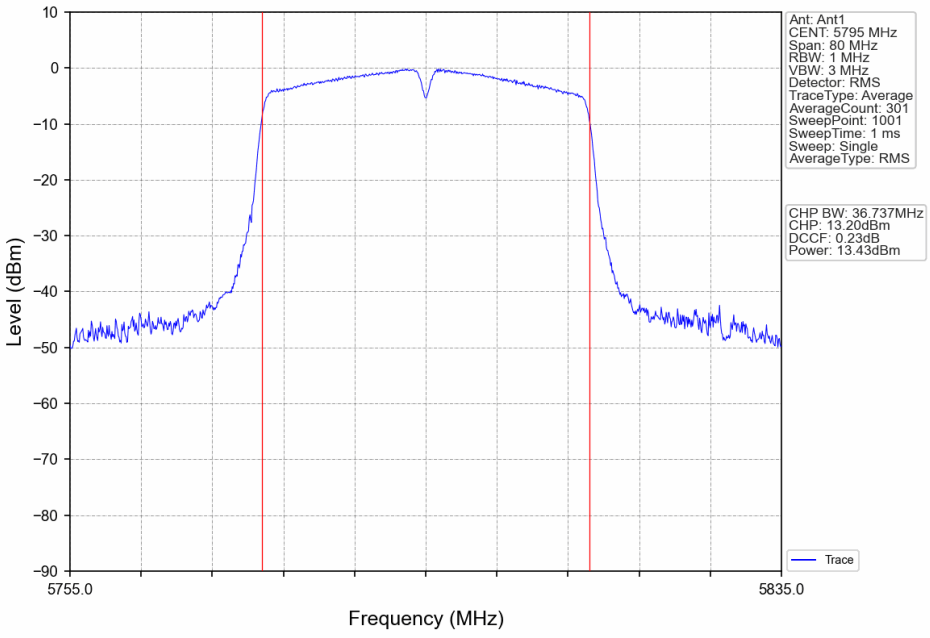
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



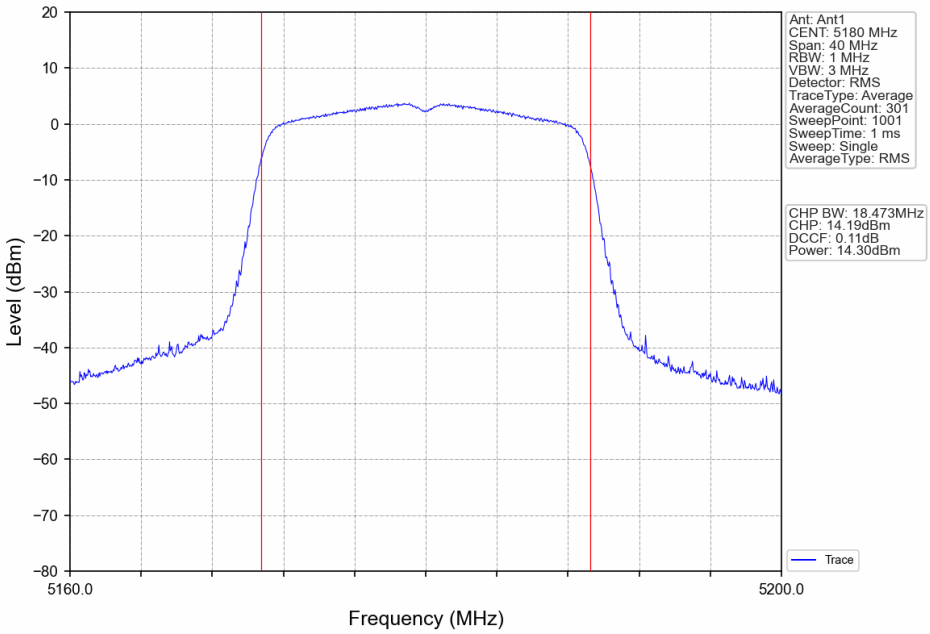
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



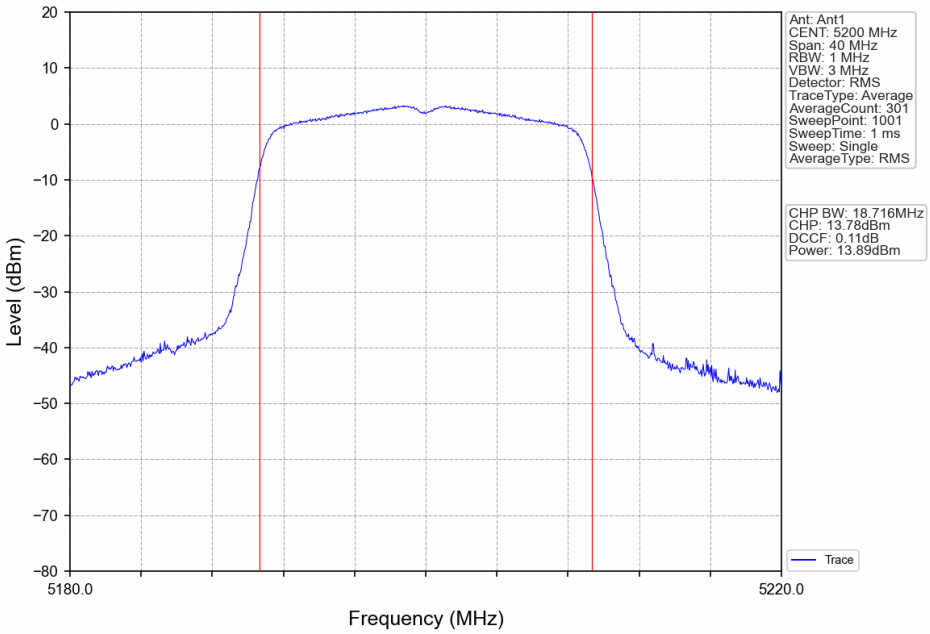
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



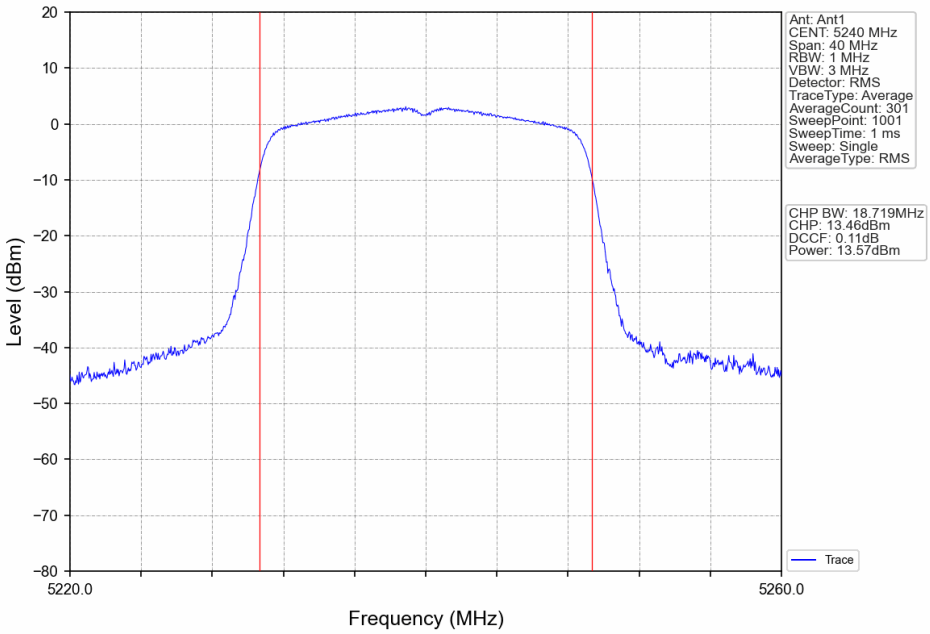
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



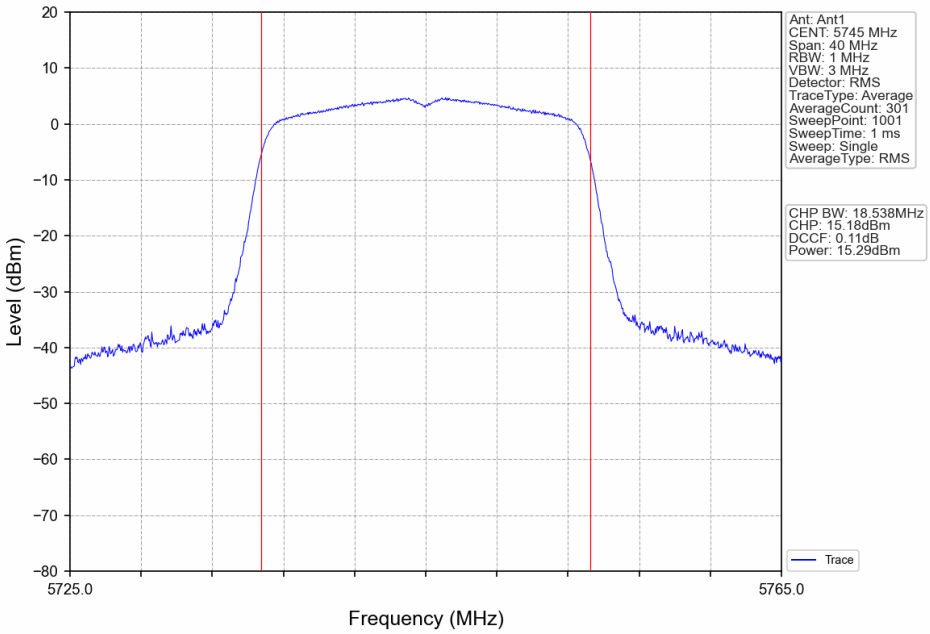
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



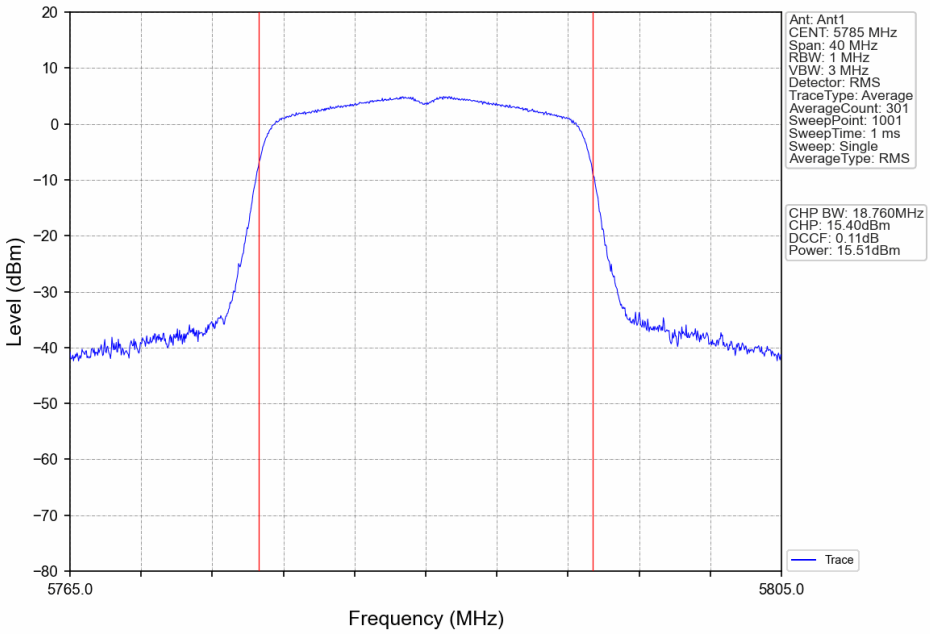
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



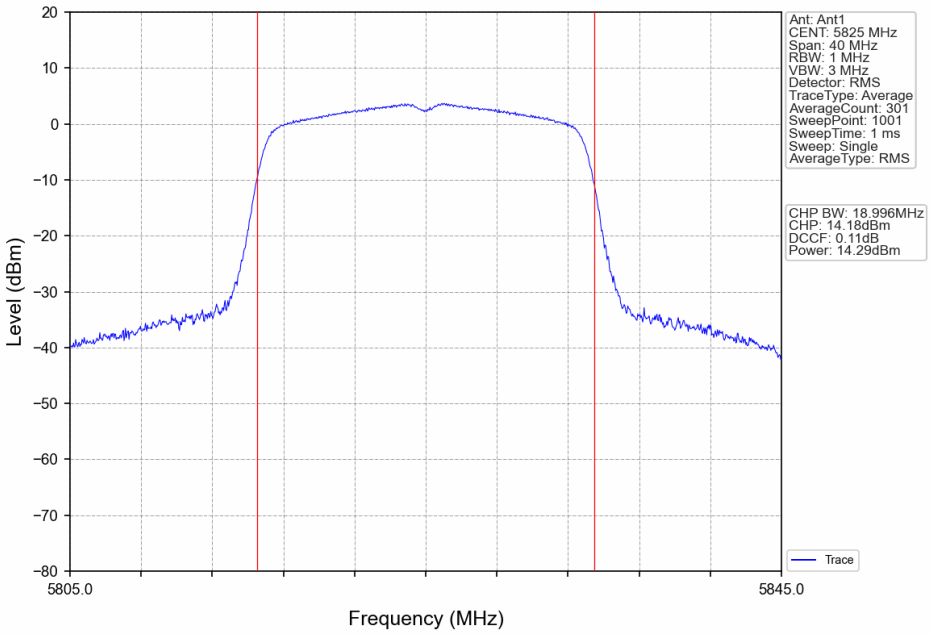
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



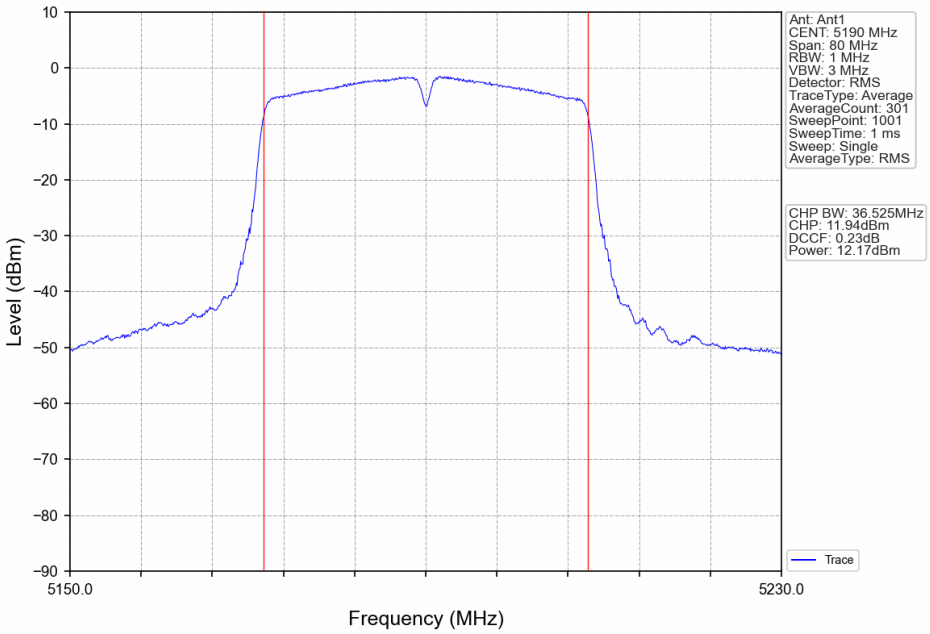
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



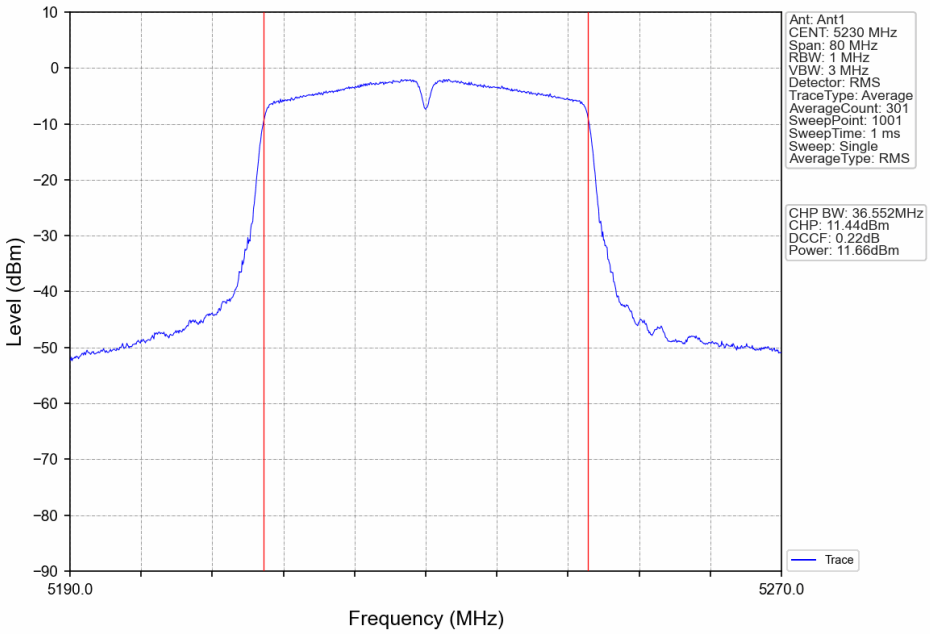
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



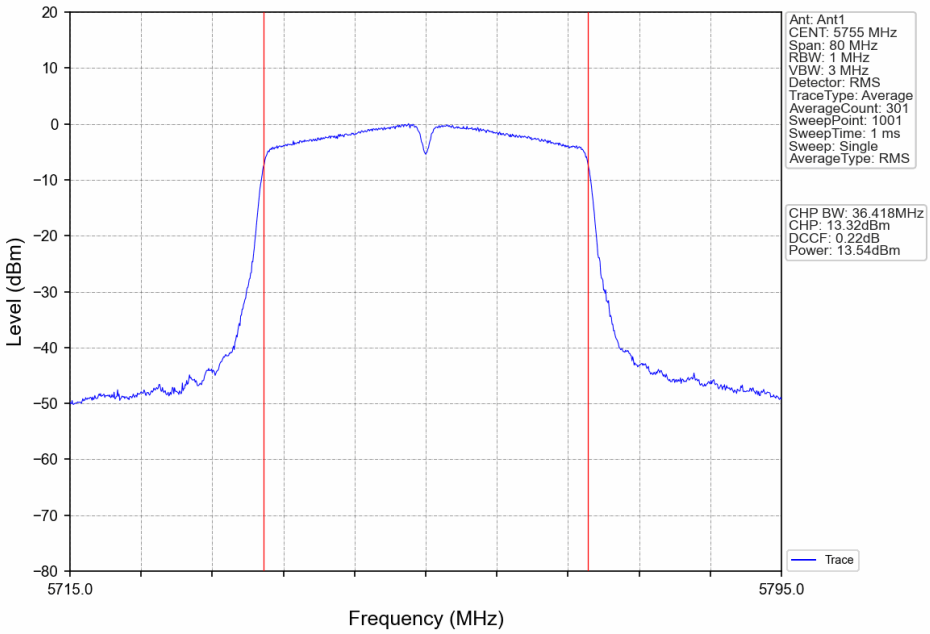
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



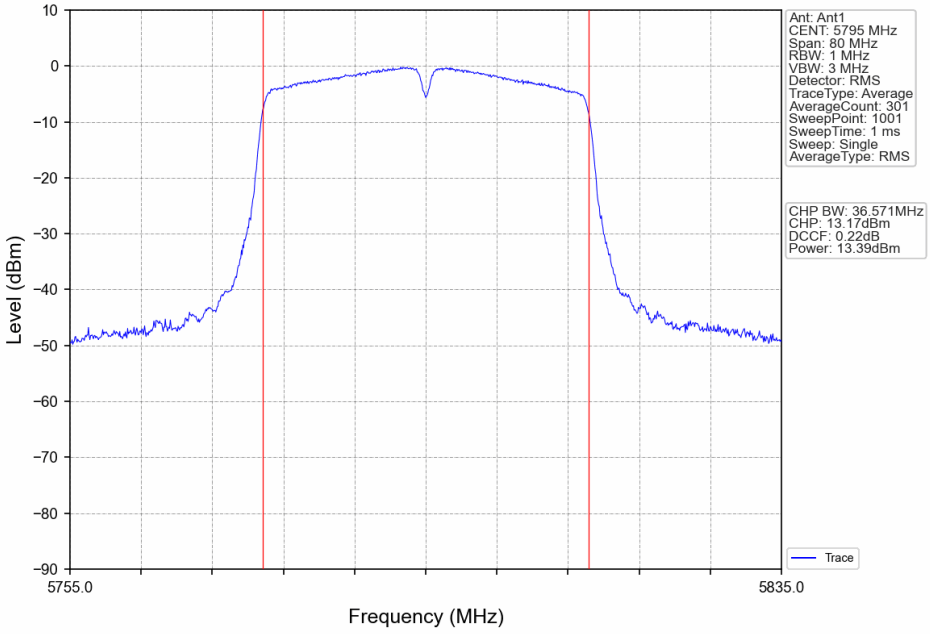
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



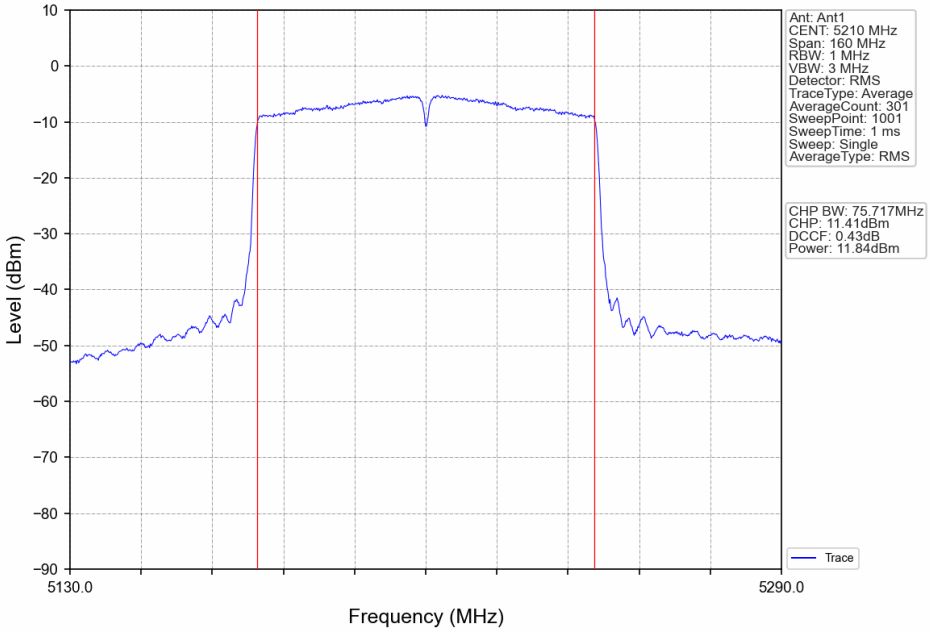
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



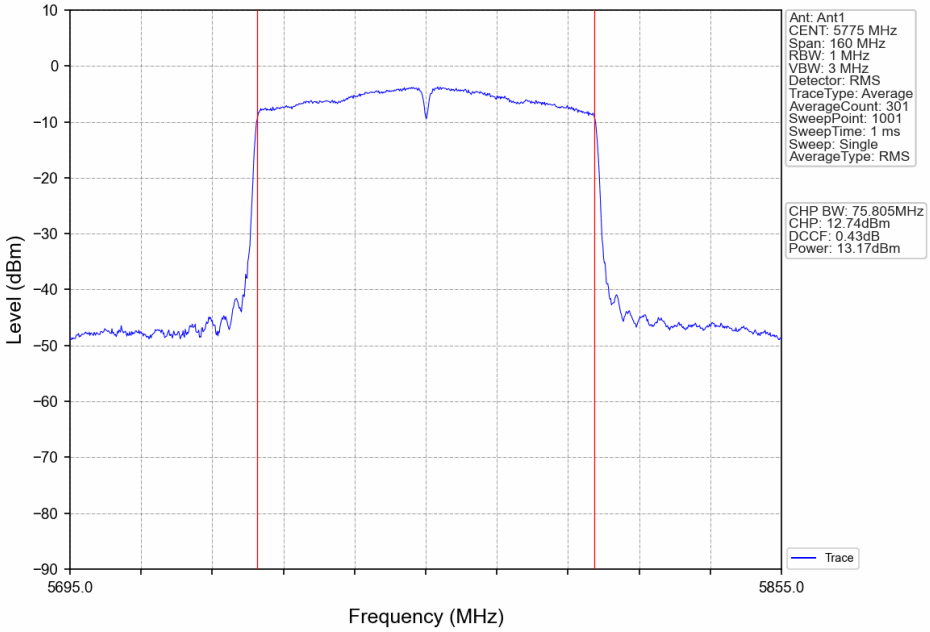
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



4. Maximum Power Spectral Density

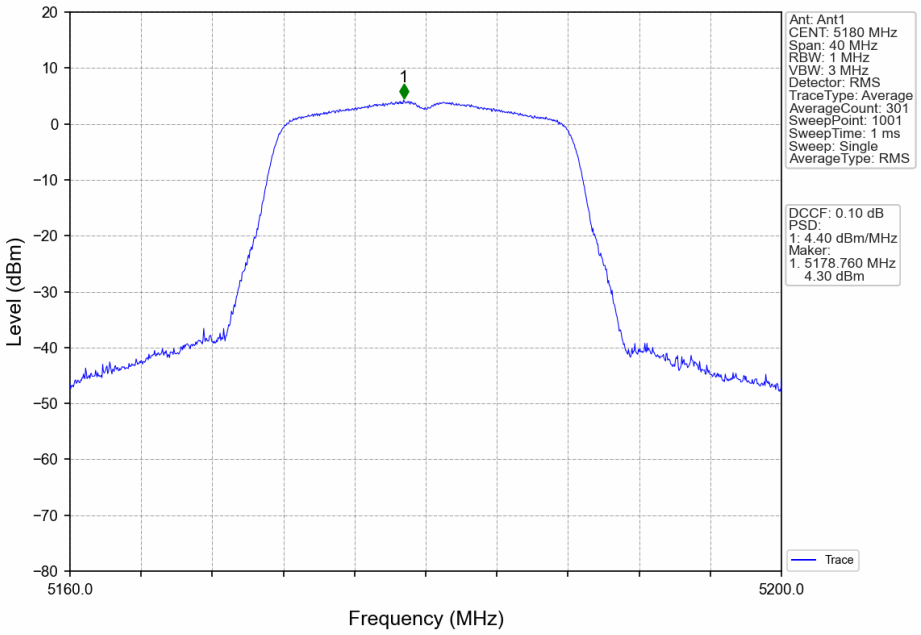
4.1 PSD

4.1.1 Test Result

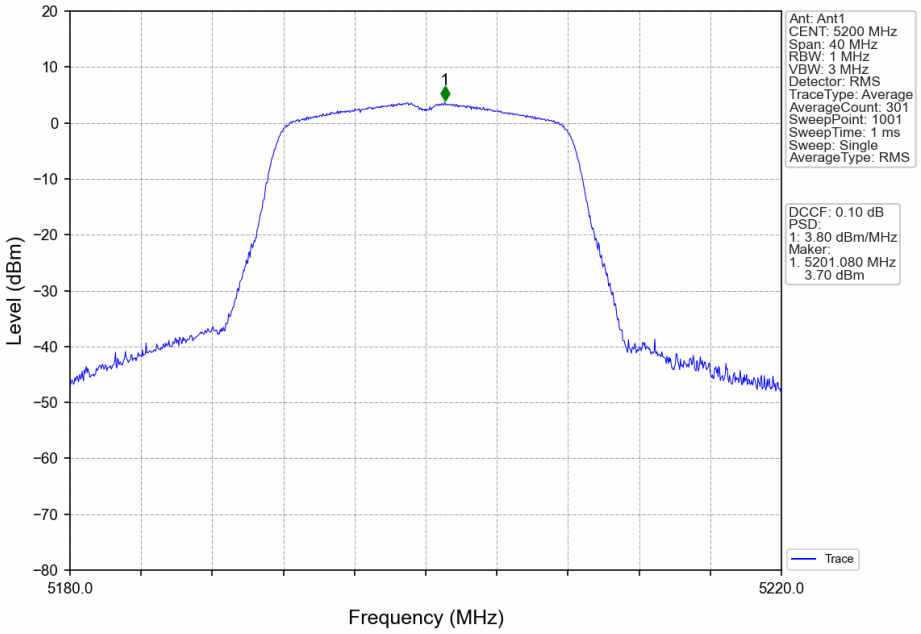
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	4.40	<=11	Pass
		5200	3.80	<=11	Pass
		5240	3.59	<=11	Pass
802.11n (HT20)	SISO	5180	3.77	<=11	Pass
		5200	3.52	<=11	Pass
		5240	3.61	<=11	Pass
802.11n (HT40)	SISO	5190	-1.07	<=11	Pass
		5230	-1.71	<=11	Pass
802.11ac (VHT20)	SISO	5180	3.98	<=11	Pass
		5200	3.42	<=11	Pass
		5240	3.03	<=11	Pass
802.11ac (VHT40)	SISO	5190	-1.06	<=11	Pass
		5230	-1.69	<=11	Pass
802.11ac (VHT80)	SISO	5210	-4.68	<=11	Pass
Note1: Antenna Gain: Ant1: 4.36dBi;					

4.1.2 Test Graph

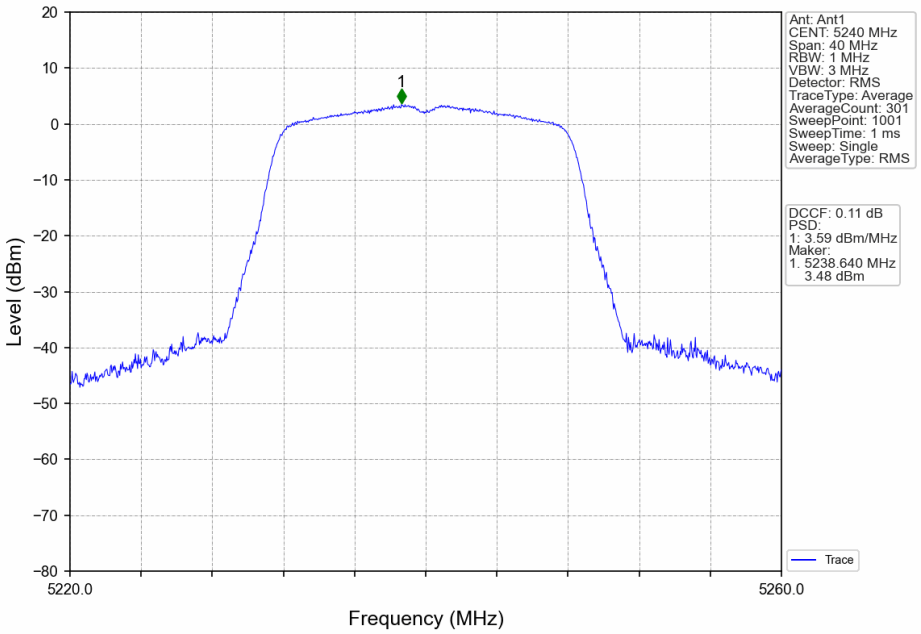
802.11a_LCH_5180MHz_Ant1_NTNV



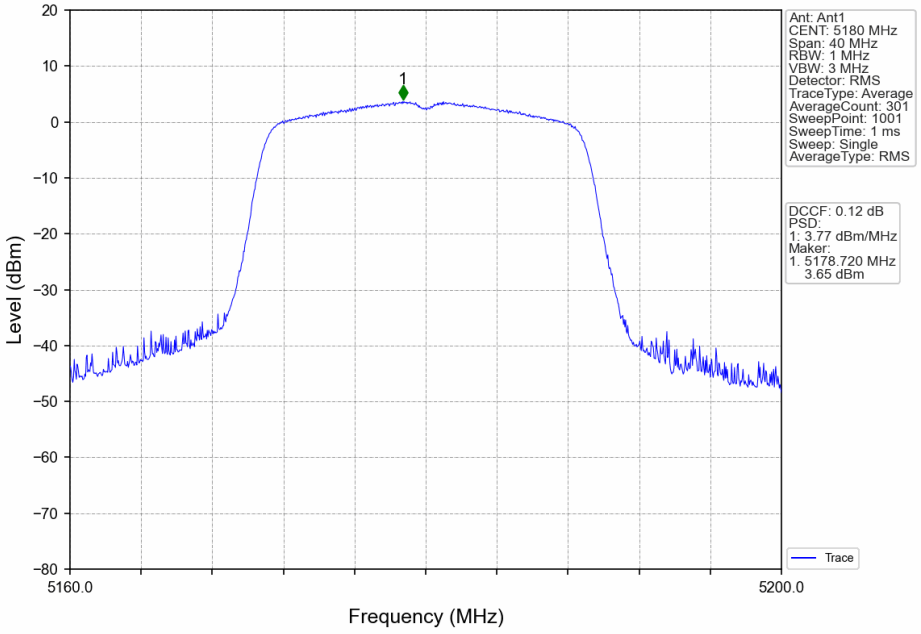
802.11a_MCH_5200MHz_Ant1_NTNV



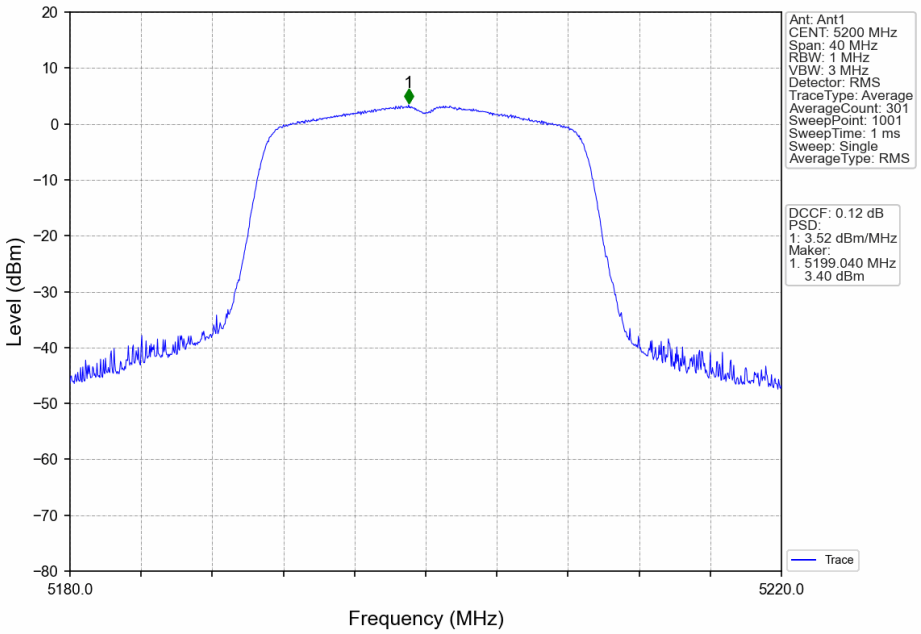
802.11a_HCH_5240MHz_Ant1_NTNV



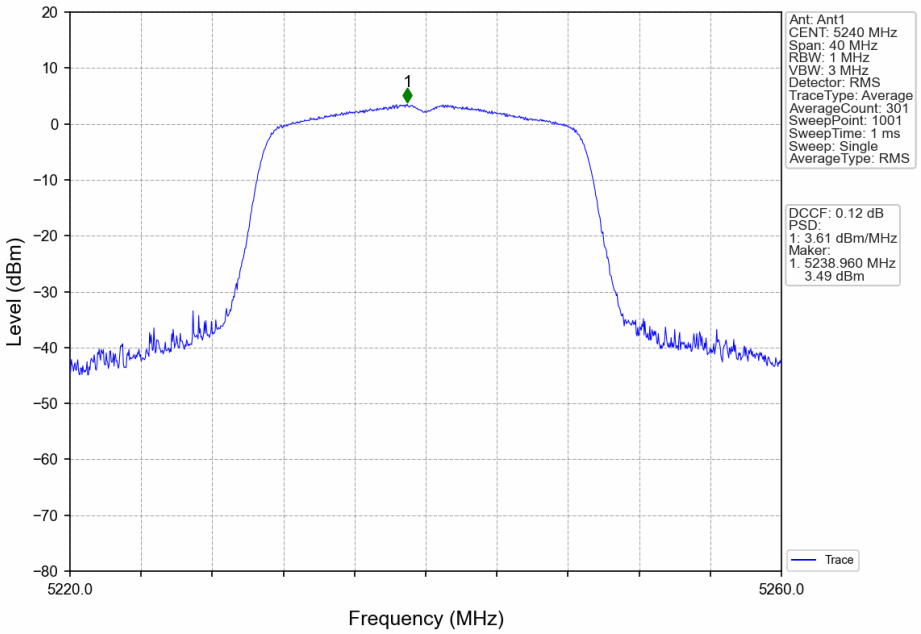
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



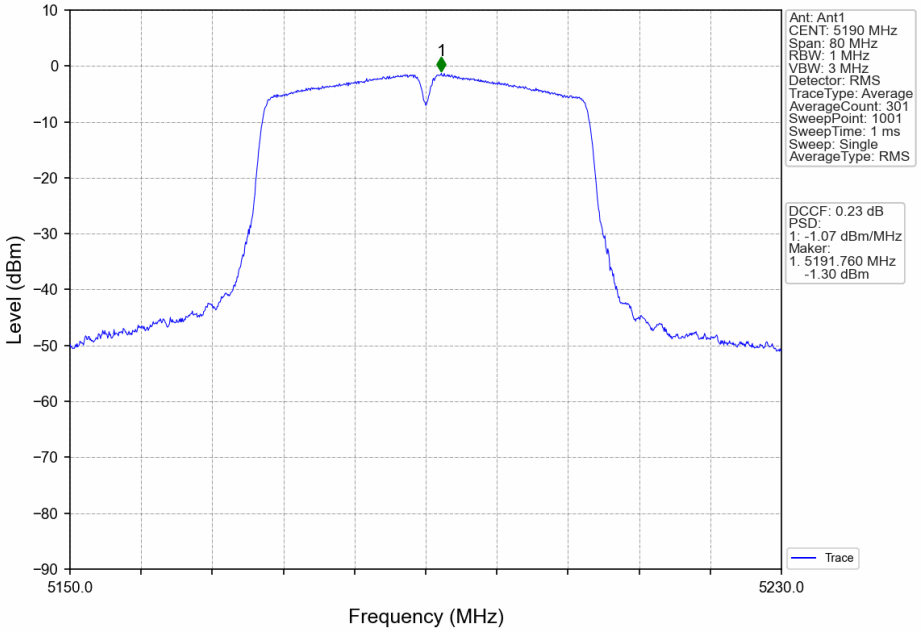
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



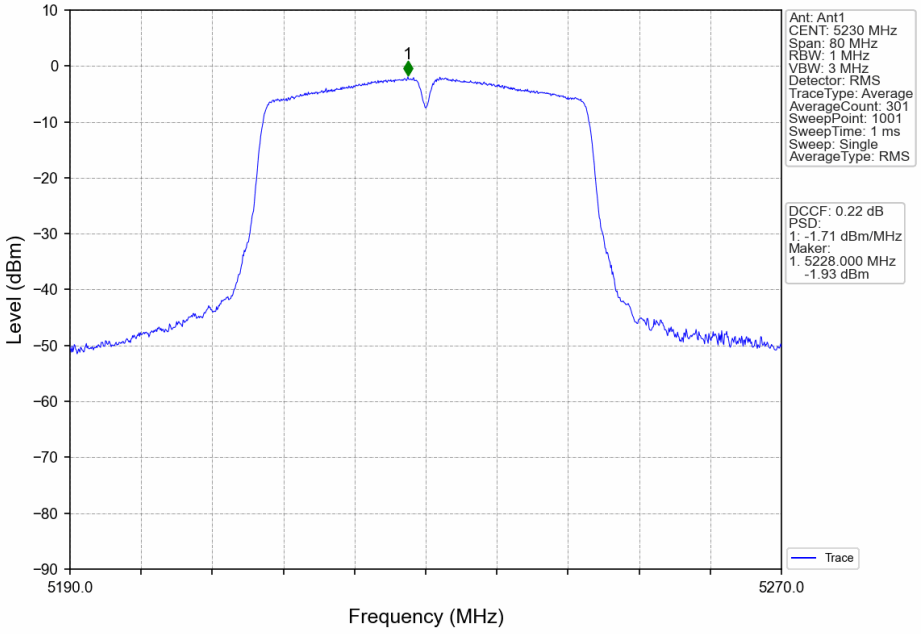
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



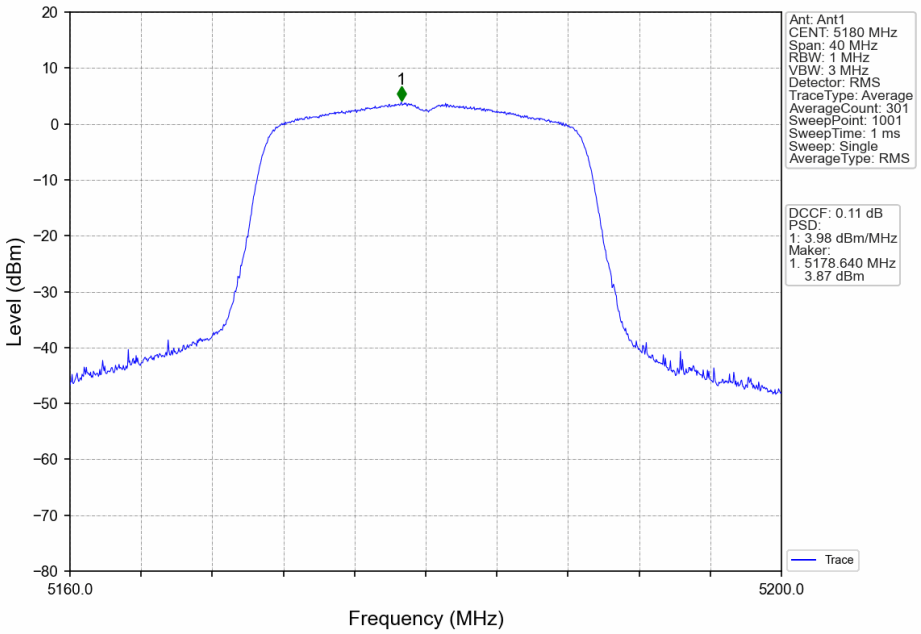
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



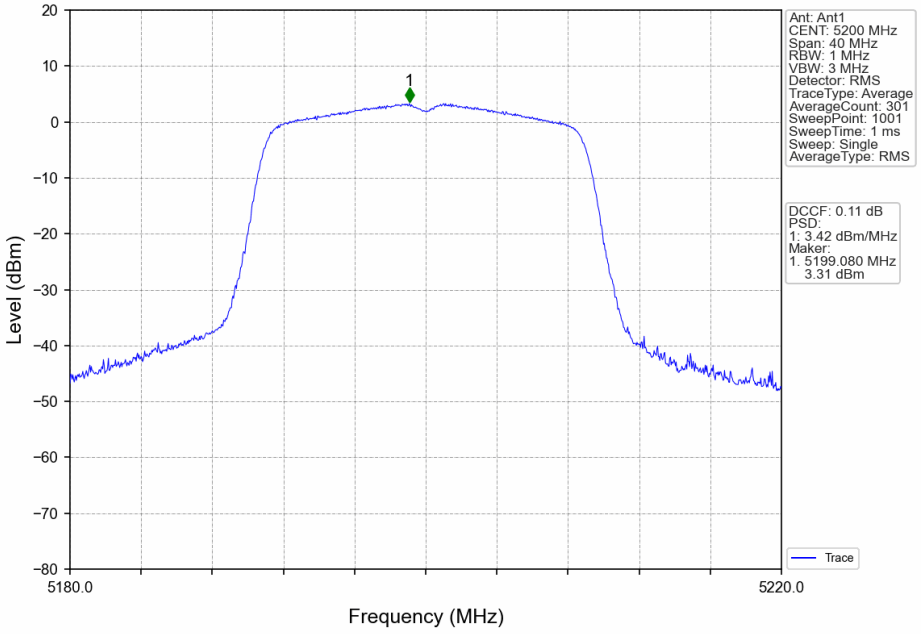
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



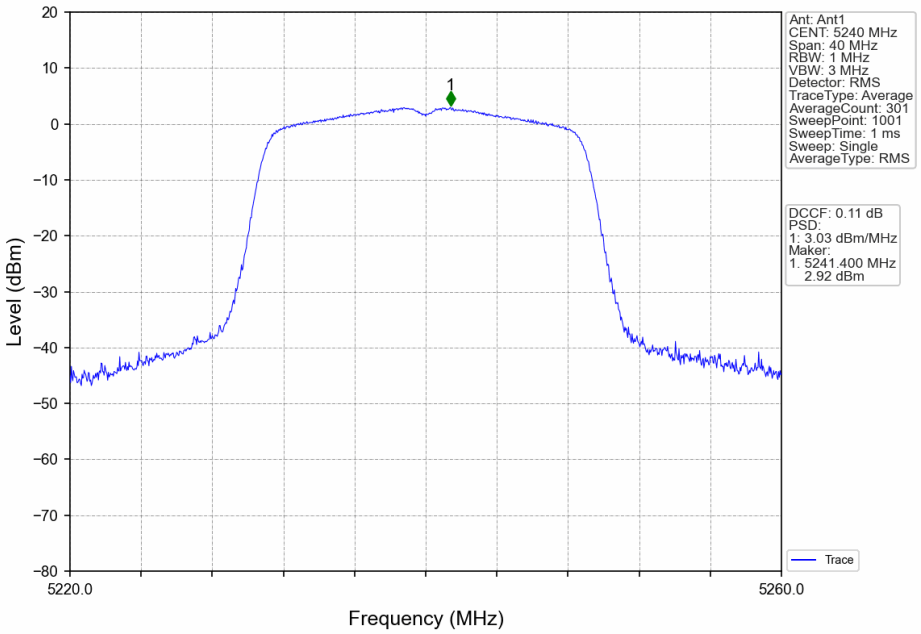
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



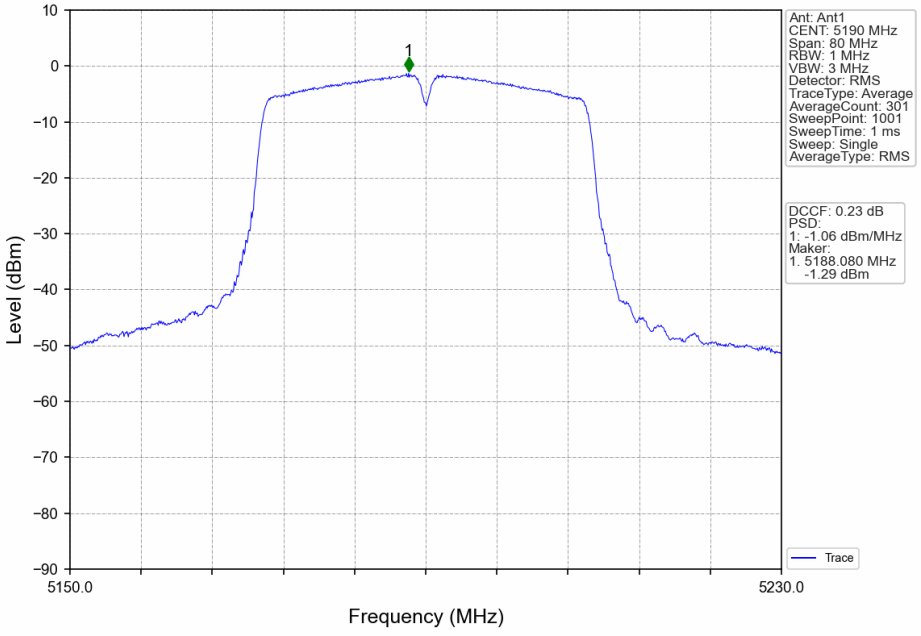
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



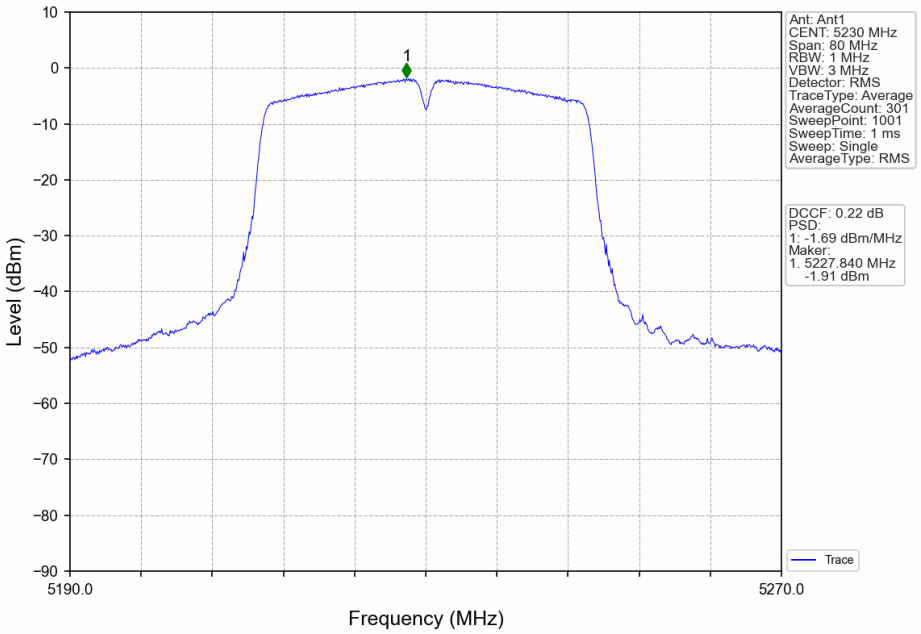
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



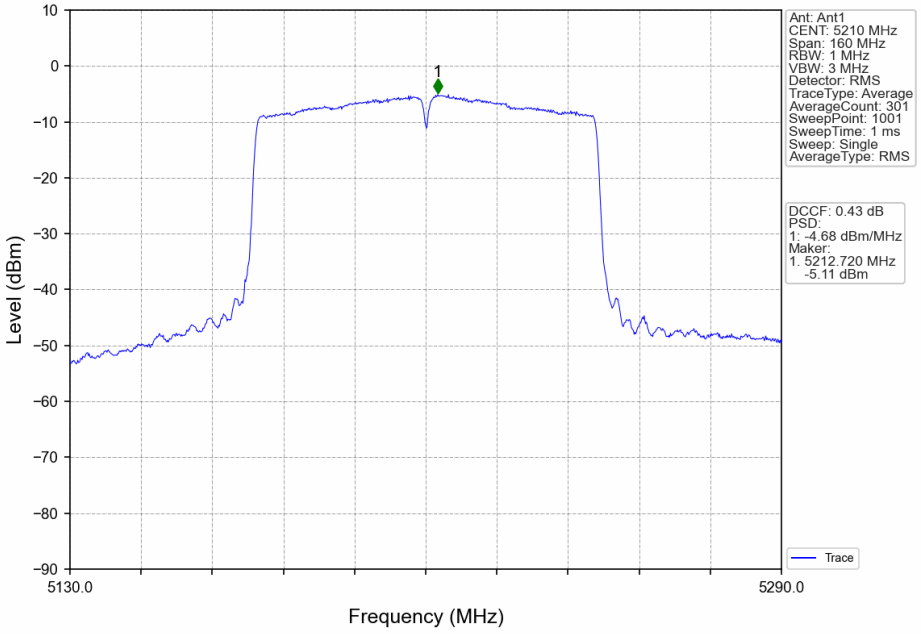
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



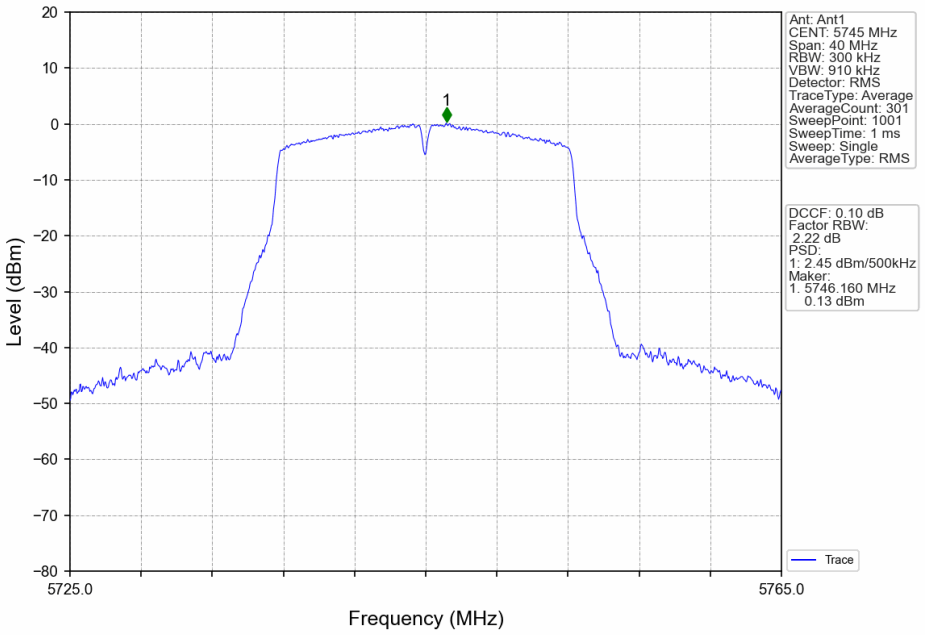
4.2 PSD-Band3

4.2.1 Test Result

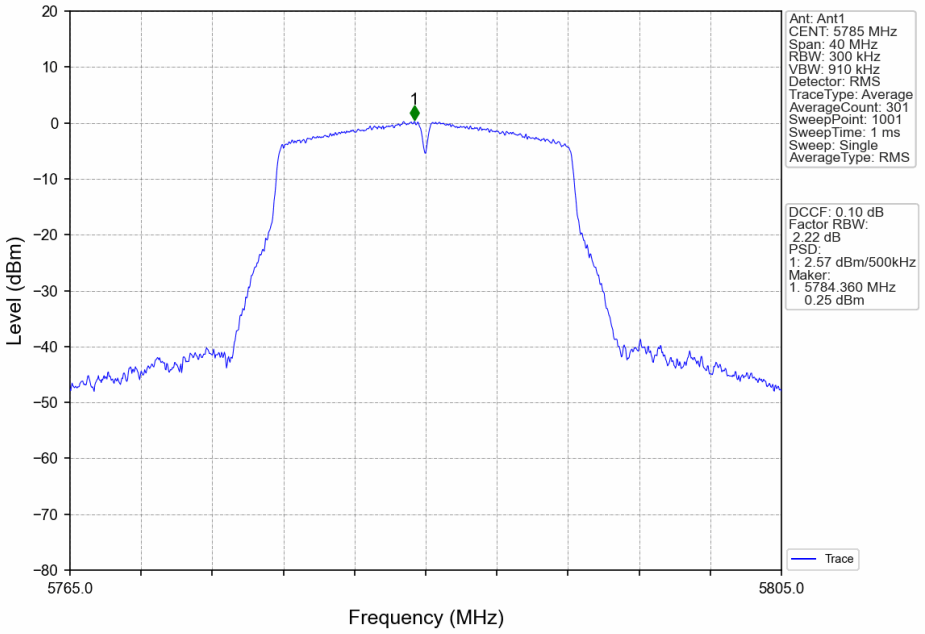
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	2.45	<=30	Pass
		5785	2.57	<=30	Pass
		5825	3.50	<=30	Pass
802.11n (HT20)	SISO	5745	2.07	<=30	Pass
		5785	2.60	<=30	Pass
		5825	1.04	<=30	Pass
802.11n (HT40)	SISO	5755	-2.67	<=30	Pass
		5795	-2.78	<=30	Pass
802.11ac (VHT20)	SISO	5745	2.11	<=30	Pass
		5785	2.17	<=30	Pass
		5825	1.06	<=30	Pass
802.11ac (VHT40)	SISO	5755	-2.64	<=30	Pass
		5795	-2.91	<=30	Pass
802.11ac (VHT80)	SISO	5775	-5.75	<=30	Pass
Note1: Antenna Gain: Ant1: 4.36dBi;					

4.2.2 Test Graph

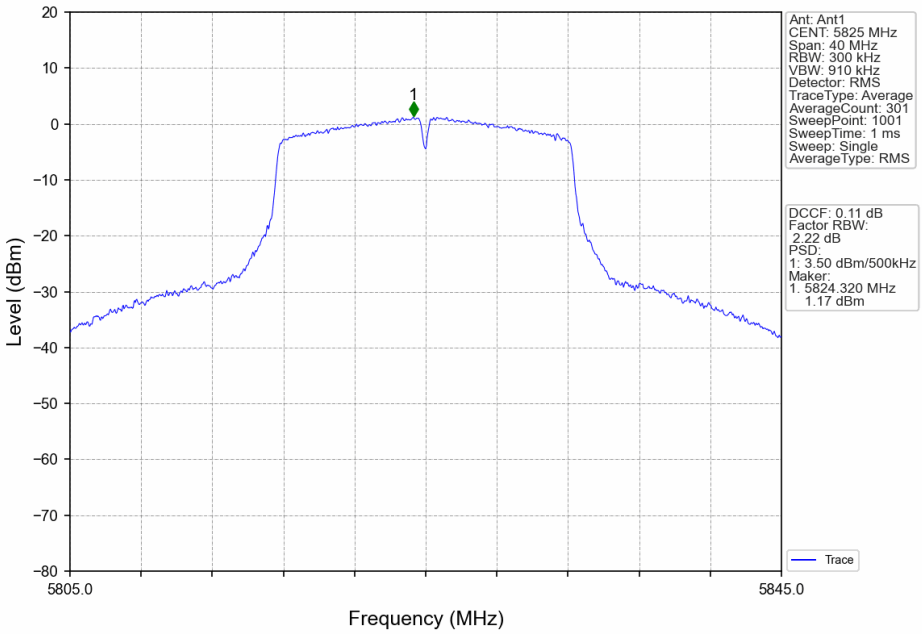
802.11a_LCH_5745MHz_Ant1_NTNV



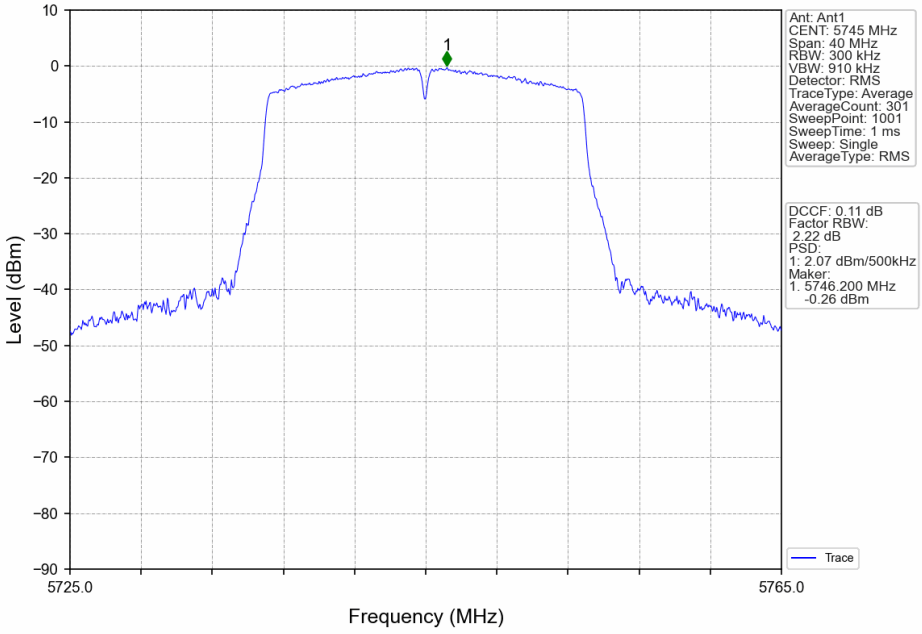
802.11a_MCH_5785MHz_Ant1_NTNV



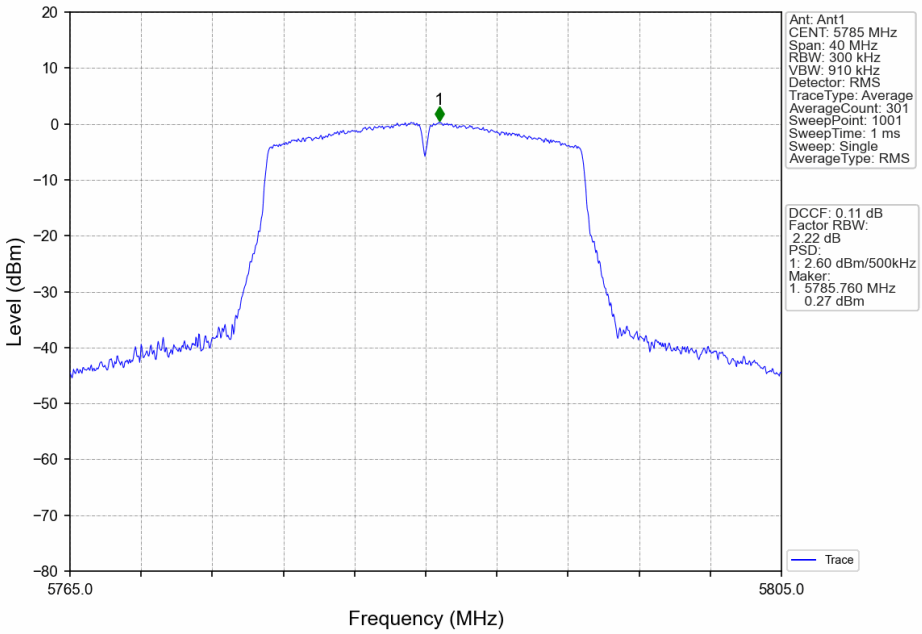
802.11a_HCH_5825MHz_Ant1_NTNV



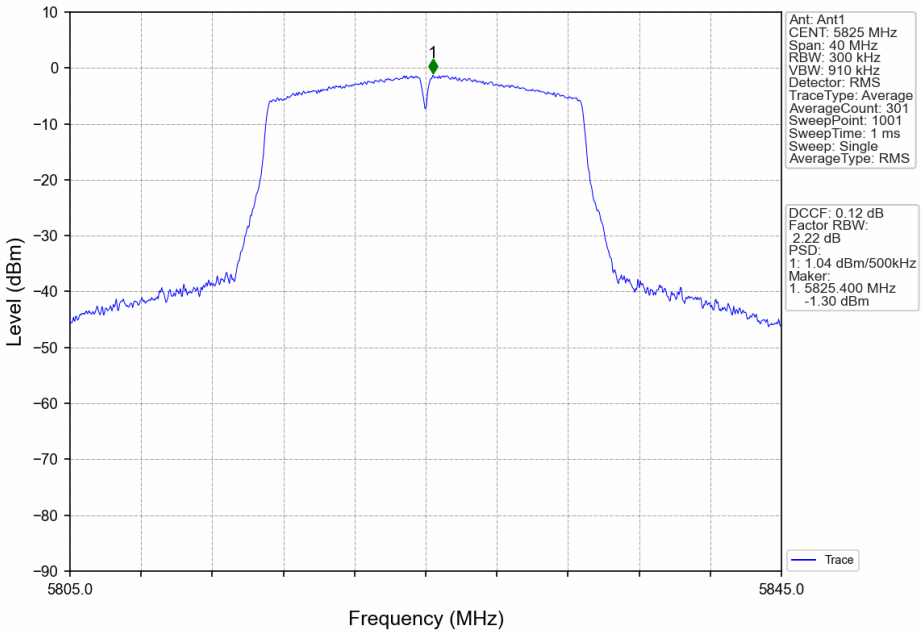
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



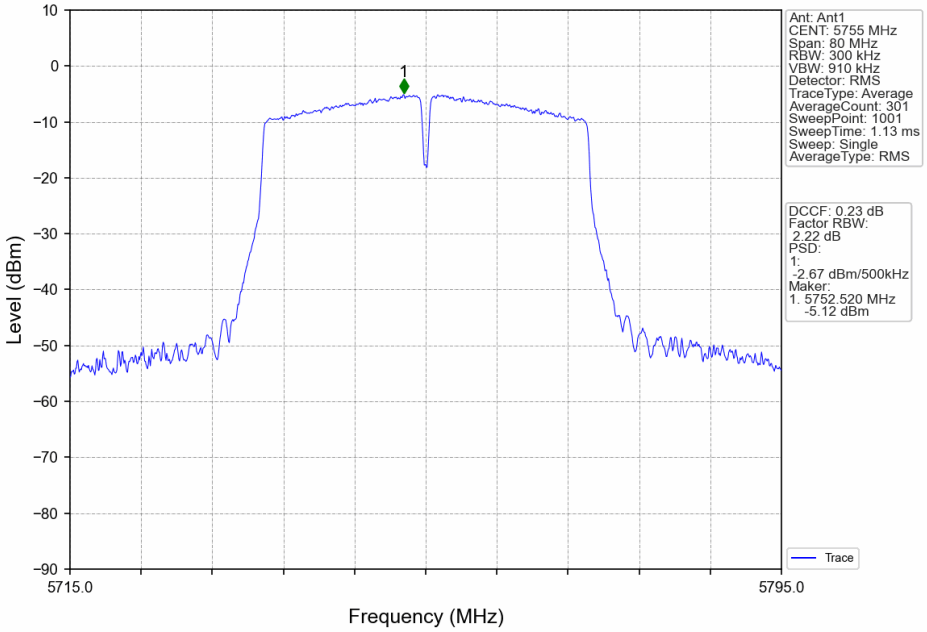
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



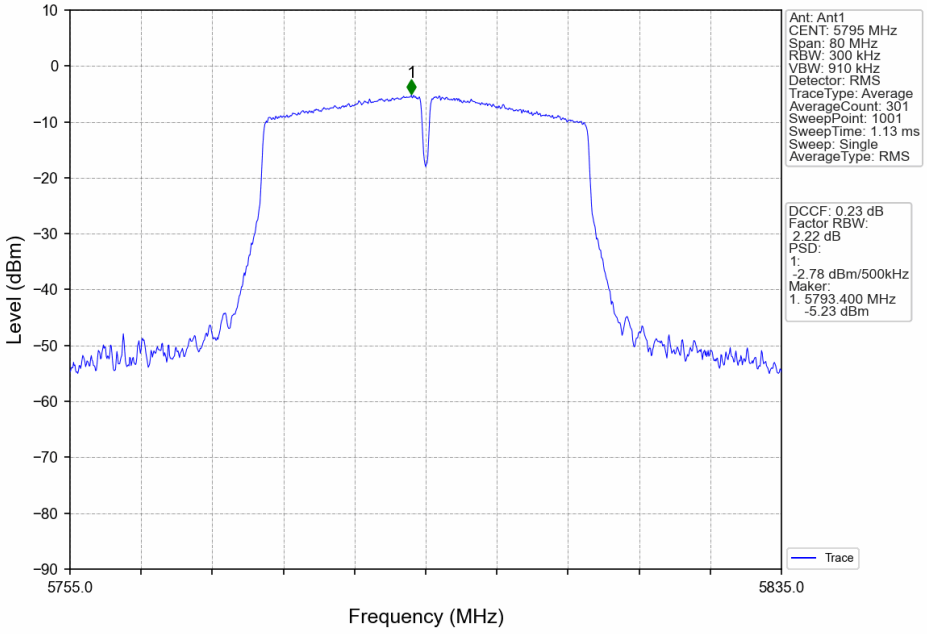
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



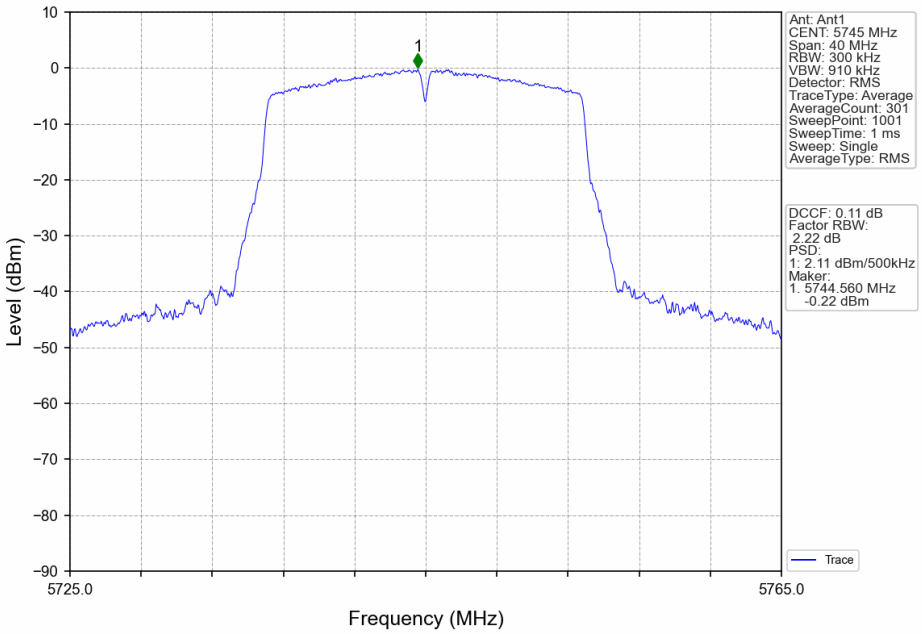
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



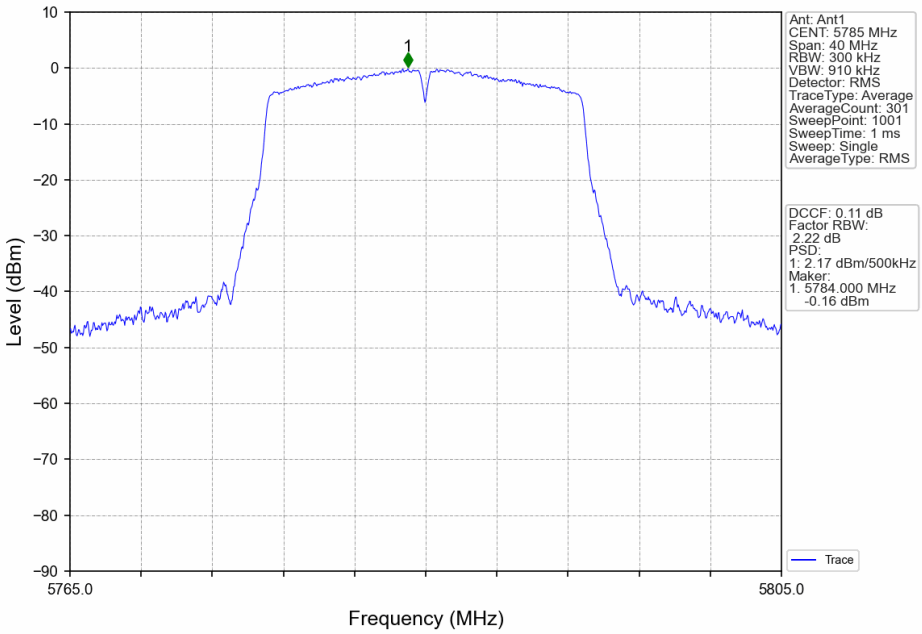
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



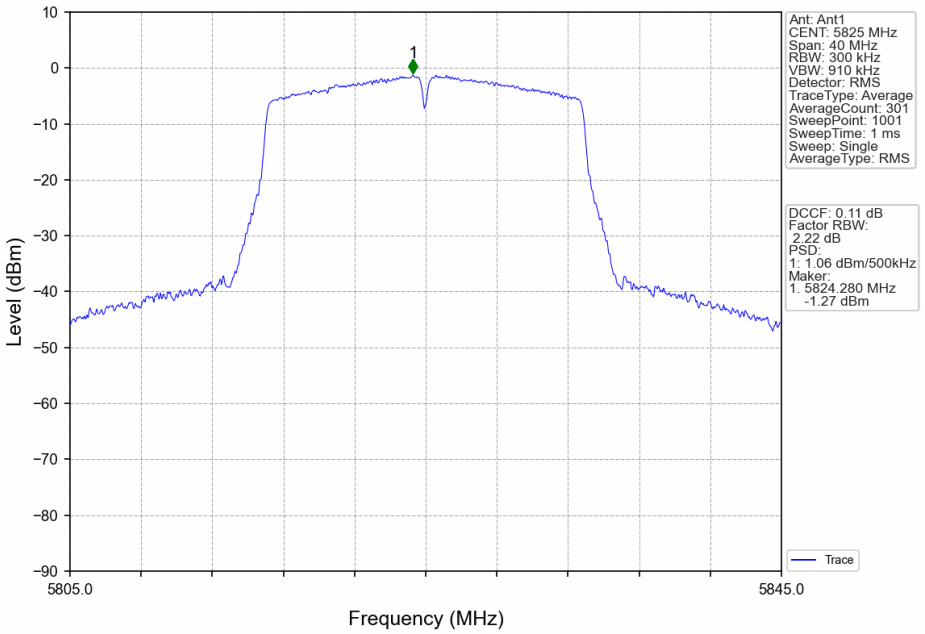
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



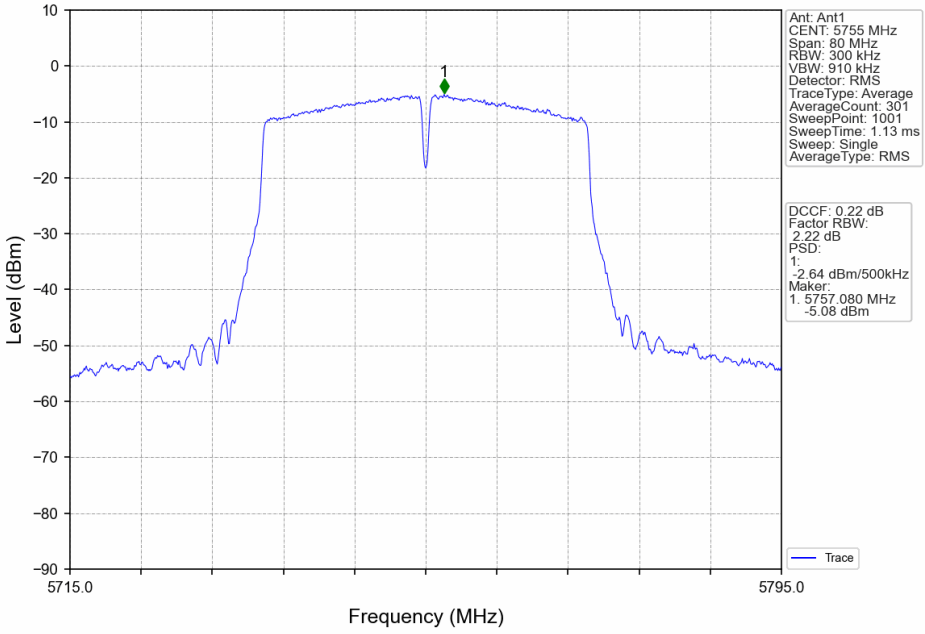
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



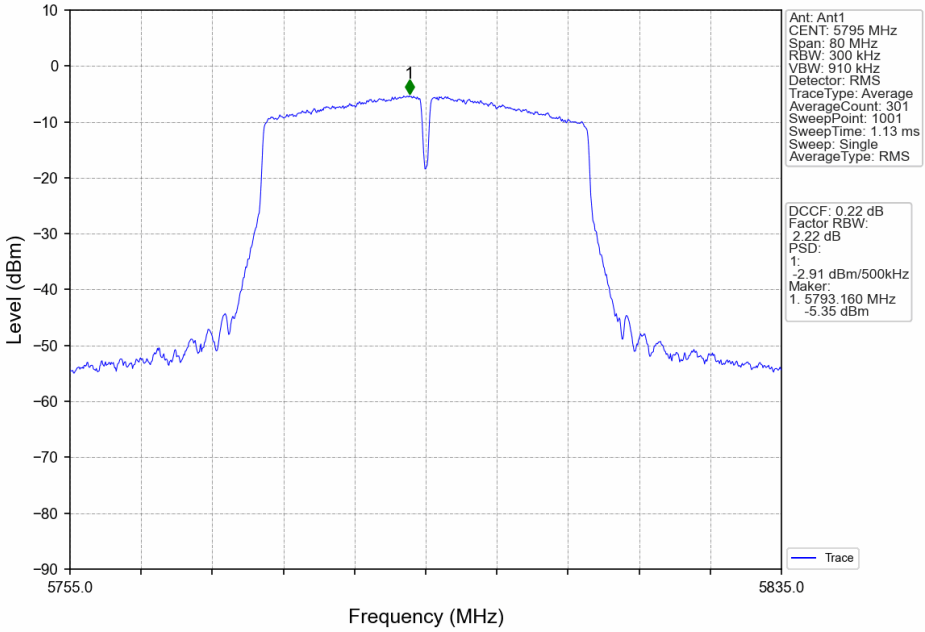
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



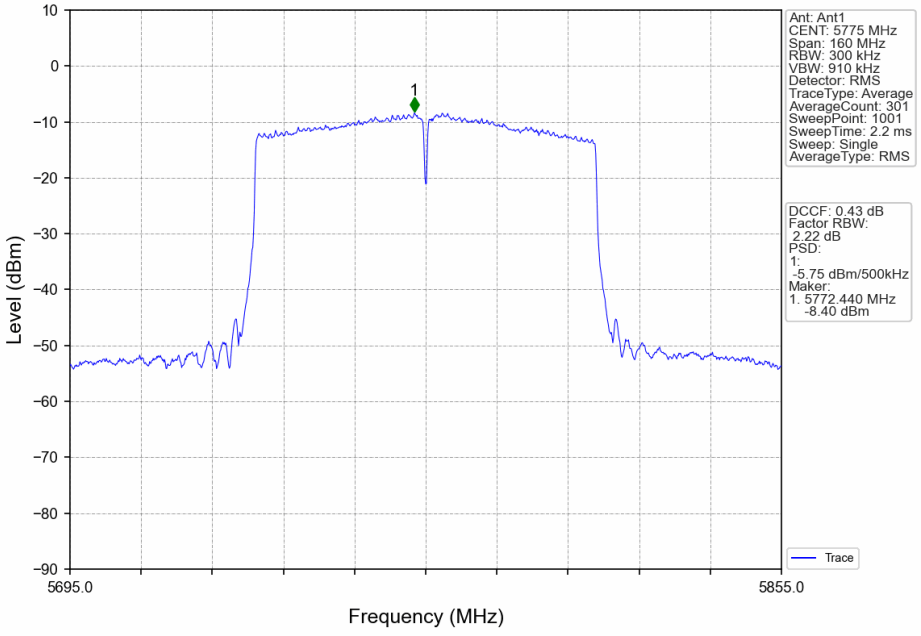
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	102	5179.918	5150 to 5250	Pass
				120	5179.918	5150 to 5250	Pass
				138	5179.918	5150 to 5250	Pass
			-30	120	5179.918	5150 to 5250	Pass
			-20	120	5179.918	5150 to 5250	Pass
			-10	120	5179.918	5150 to 5250	Pass
			0	120	5179.918	5150 to 5250	Pass
			10	120	5179.918	5150 to 5250	Pass
			30	120	5179.917	5150 to 5250	Pass
			40	120	5179.917	5150 to 5250	Pass
			50	120	5179.917	5150 to 5250	Pass
		5200	20	102	5199.916	5150 to 5250	Pass
				120	5199.916	5150 to 5250	Pass
				138	5199.916	5150 to 5250	Pass
			-30	120	5199.916	5150 to 5250	Pass
			-20	120	5199.916	5150 to 5250	Pass
			-10	120	5199.916	5150 to 5250	Pass
			0	120	5199.916	5150 to 5250	Pass
			10	120	5199.916	5150 to 5250	Pass
			30	120	5199.916	5150 to 5250	Pass
			40	120	5199.916	5150 to 5250	Pass
			50	120	5199.916	5150 to 5250	Pass
		5240	20	102	5239.916	5150 to 5250	Pass
				120	5239.916	5150 to 5250	Pass
				138	5239.916	5150 to 5250	Pass
			-30	120	5239.915	5150 to 5250	Pass
			-20	120	5239.915	5150 to 5250	Pass
			-10	120	5239.916	5150 to 5250	Pass
			0	120	5239.915	5150 to 5250	Pass
			10	120	5239.915	5150 to 5250	Pass
			30	120	5239.915	5150 to 5250	Pass
			40	120	5239.915	5150 to 5250	Pass
			50	120	5239.915	5150 to 5250	Pass
		5745	20	102	5744.908	5725 to 5850	Pass
				120	5744.907	5725 to 5850	Pass
				138	5744.907	5725 to 5850	Pass
			-30	120	5744.907	5725 to 5850	Pass
			-20	120	5744.907	5725 to 5850	Pass
			-10	120	5744.907	5725 to 5850	Pass
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			10	120	5744.907	5725 to 5850	Pass
			30	120	5744.907	5725 to 5850	Pass
			40	120	5744.907	5725 to 5850	Pass
			50	120	5744.907	5725 to 5850	Pass
		5785	20	102	5784.907	5725 to 5850	Pass
				120	5784.907	5725 to 5850	Pass

				138	5784.907	5725 to 5850	Pass
			-30	120	5784.907	5725 to 5850	Pass
			-20	120	5784.907	5725 to 5850	Pass
			-10	120	5784.907	5725 to 5850	Pass
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			40	120	5784.907	5725 to 5850	Pass
			50	120	5784.907	5725 to 5850	Pass
		5825	20	102	5824.906	5725 to 5850	Pass
				120	5824.906	5725 to 5850	Pass
				138	5824.906	5725 to 5850	Pass
			-30	120	5824.906	5725 to 5850	Pass
			-20	120	5824.906	5725 to 5850	Pass
			-10	120	5824.906	5725 to 5850	Pass
			0	120	5824.906	5725 to 5850	Pass
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			30	120	5824.906	5725 to 5850	Pass
			40	120	5824.906	5725 to 5850	Pass
			50	120	5824.906	5725 to 5850	Pass
		5190	20	102	5189.920	5150 to 5250	Pass
				120	5189.920	5150 to 5250	Pass
				138	5189.919	5150 to 5250	Pass
			-30	120	5189.919	5150 to 5250	Pass
			-20	120	5189.919	5150 to 5250	Pass
			-10	120	5189.919	5150 to 5250	Pass
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			10	120	5189.918	5150 to 5250	Pass
			30	120	5189.918	5150 to 5250	Pass
			40	120	5189.918	5150 to 5250	Pass
			50	120	5189.918	5150 to 5250	Pass
		5230	20	102	5229.916	5150 to 5250	Pass
				120	5229.916	5150 to 5250	Pass
				138	5229.916	5150 to 5250	Pass
			-30	120	5229.916	5150 to 5250	Pass
			-20	120	5229.916	5150 to 5250	Pass
			-10	120	5229.916	5150 to 5250	Pass
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			40	120	5229.916	5150 to 5250	Pass
			50	120	5229.916	5150 to 5250	Pass
		5755	20	102	5754.909	5725 to 5850	Pass
				120	5754.908	5725 to 5850	Pass
				138	5754.908	5725 to 5850	Pass
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			40	120	5754.908	5725 to 5850	Pass
			50	120	5754.908	5725 to 5850	Pass
		5795	20	102	5794.908	5725 to 5850	Pass
				120	5794.907	5725 to 5850	Pass
				138	5794.907	5725 to 5850	Pass
			-30	120	5794.907	5725 to 5850	Pass
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			40	120	5794.907	5725 to 5850	Pass
			50	120	5794.907	5725 to 5850	Pass
		5210	20	102	5209.916	5150 to 5250	Pass
				120	5209.916	5150 to 5250	Pass
				138	5209.916	5150 to 5250	Pass
			-30	120	5209.916	5150 to 5250	Pass
			-20	120	5209.916	5150 to 5250	Pass
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			10	120	5209.916	5150 to 5250	Pass
			30	120	5209.916	5150 to 5250	Pass
			40	120	5209.916	5150 to 5250	Pass
			50	120	5209.916	5150 to 5250	Pass
		5775	20	102	5774.907	5725 to 5850	Pass
				120	5774.907	5725 to 5850	Pass
				138	5774.907	5725 to 5850	Pass
			-30	120	5774.907	5725 to 5850	Pass
			-20	120	5774.907	5725 to 5850	Pass
			-10	120	5774.907	5725 to 5850	Pass
			0	120	5774.907	5725 to 5850	Pass
			10	120	5774.907	5725 to 5850	Pass
			30	120	5774.907	5725 to 5850	Pass
			40	120	5774.907	5725 to 5850	Pass
			50	120	5774.907	5725 to 5850	Pass