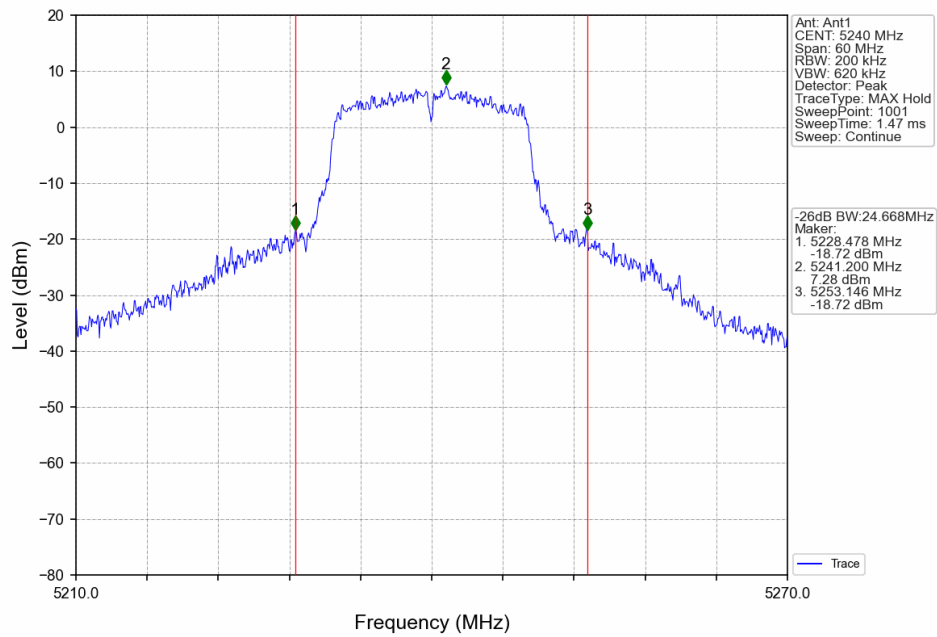
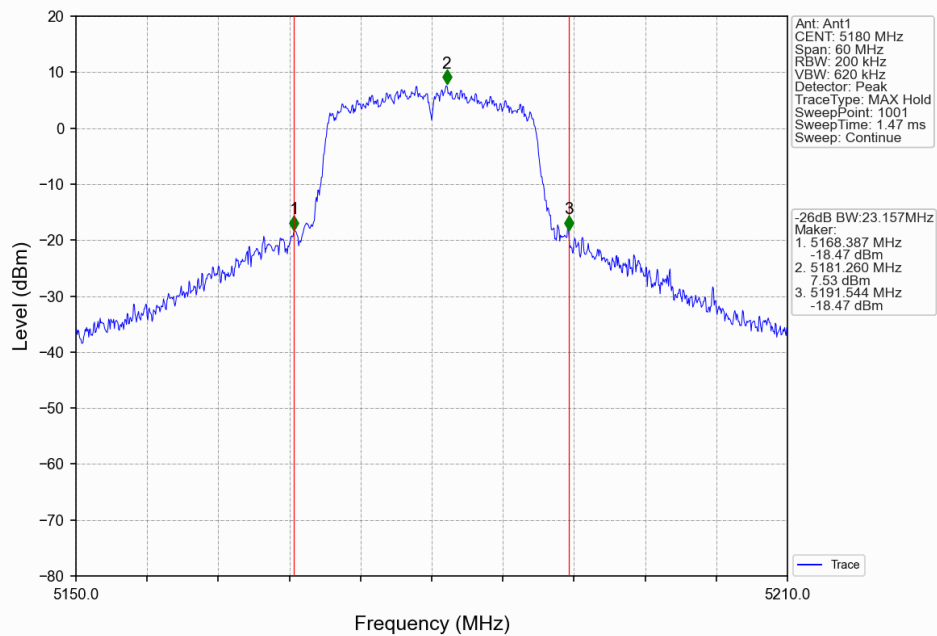




802.11a_HCH_5240MHz_Ant1_NTNV

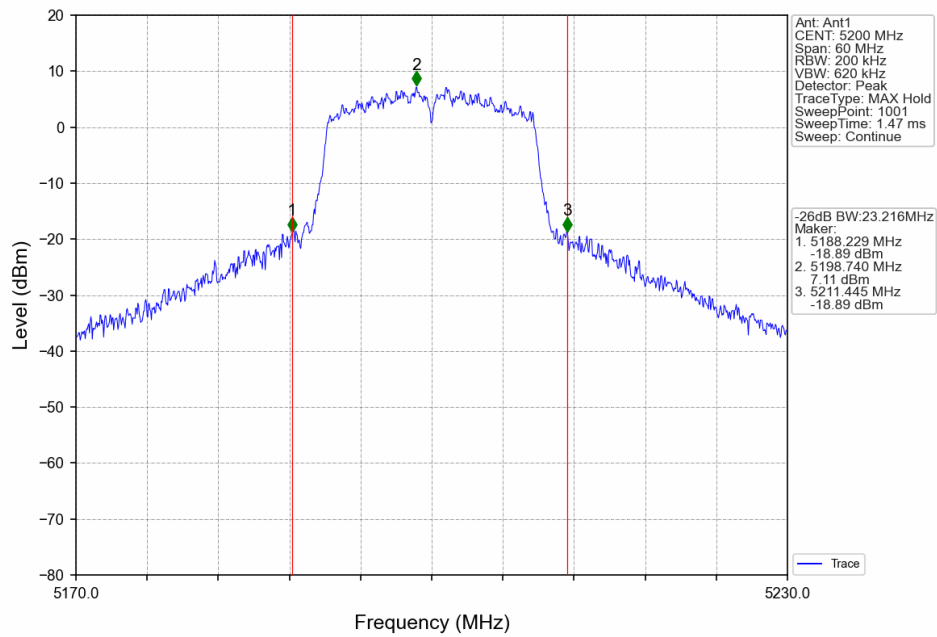


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

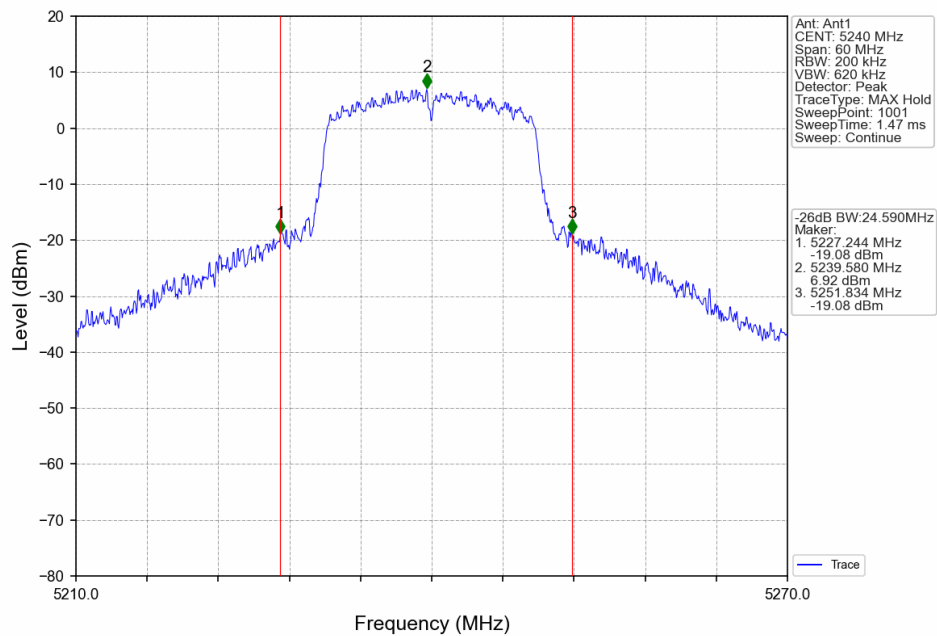




802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

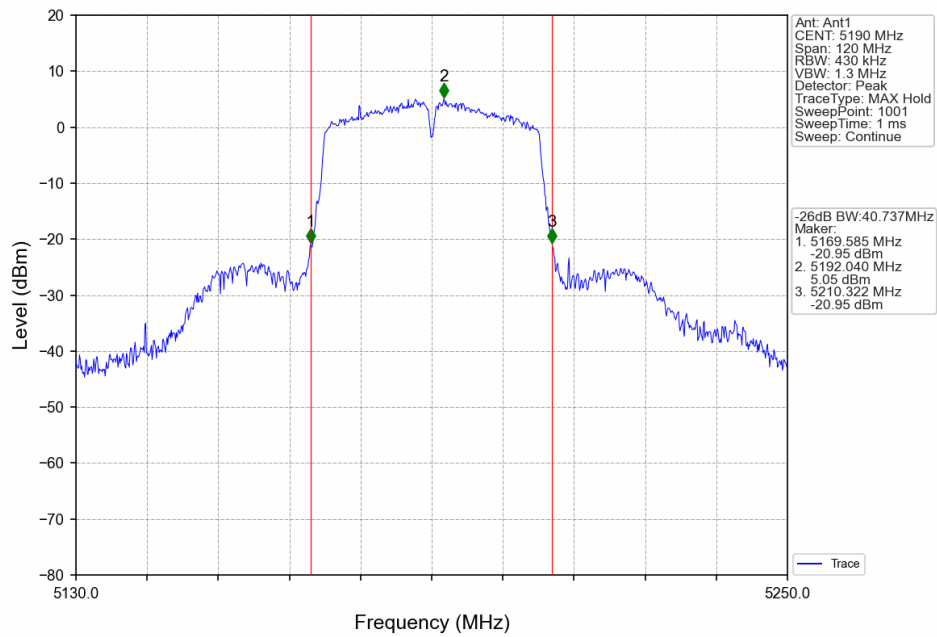


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

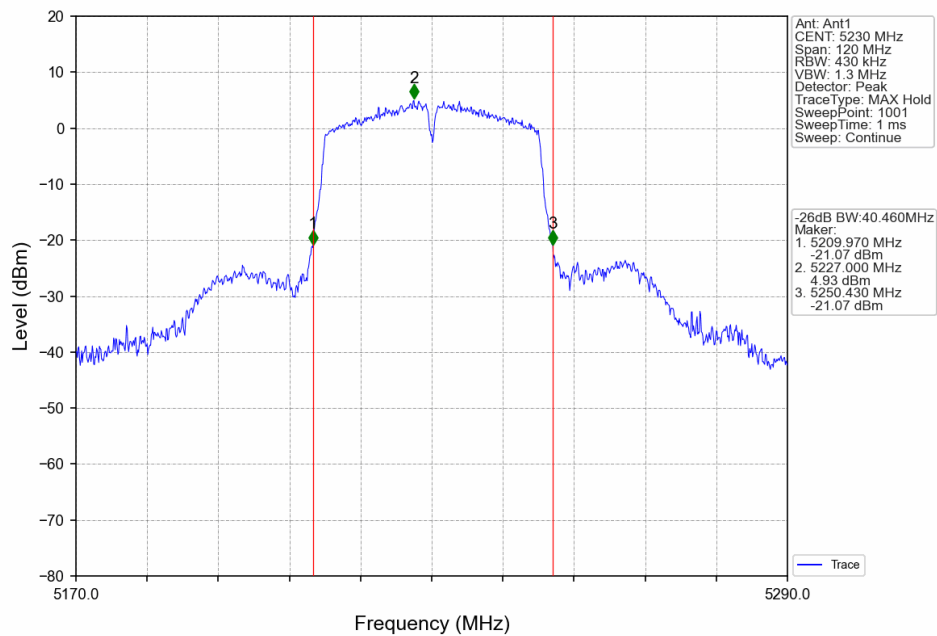




802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

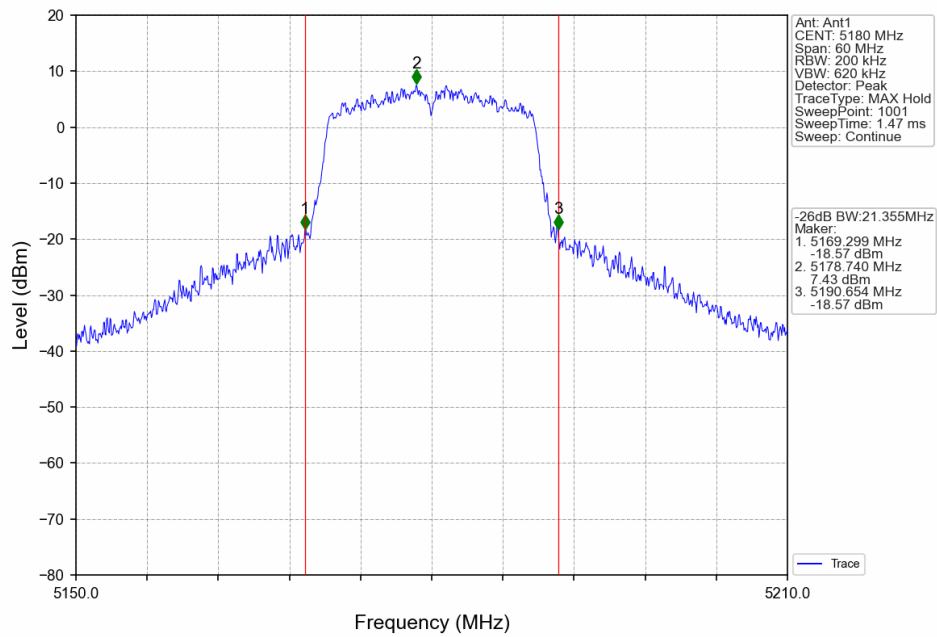


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

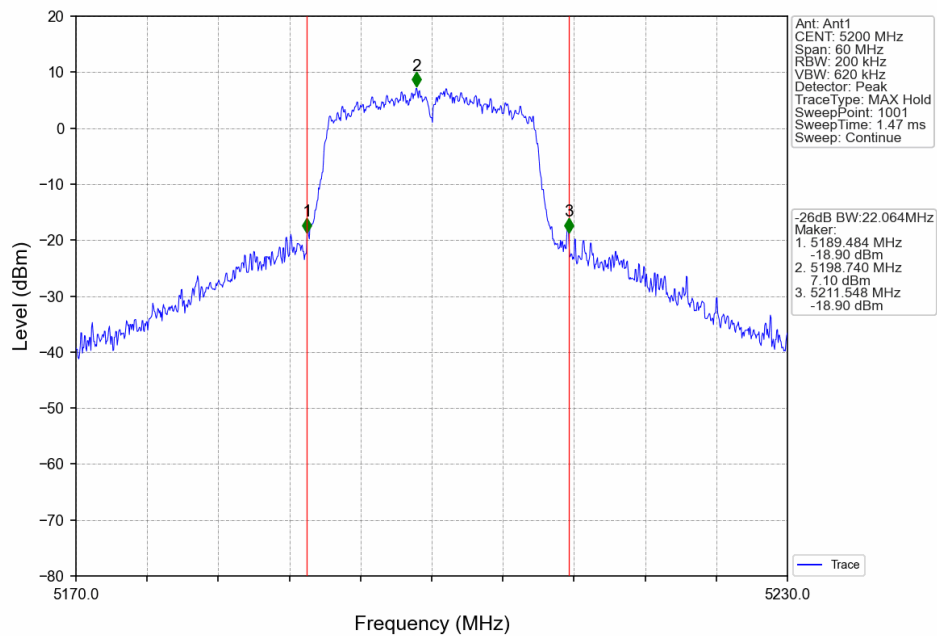




802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

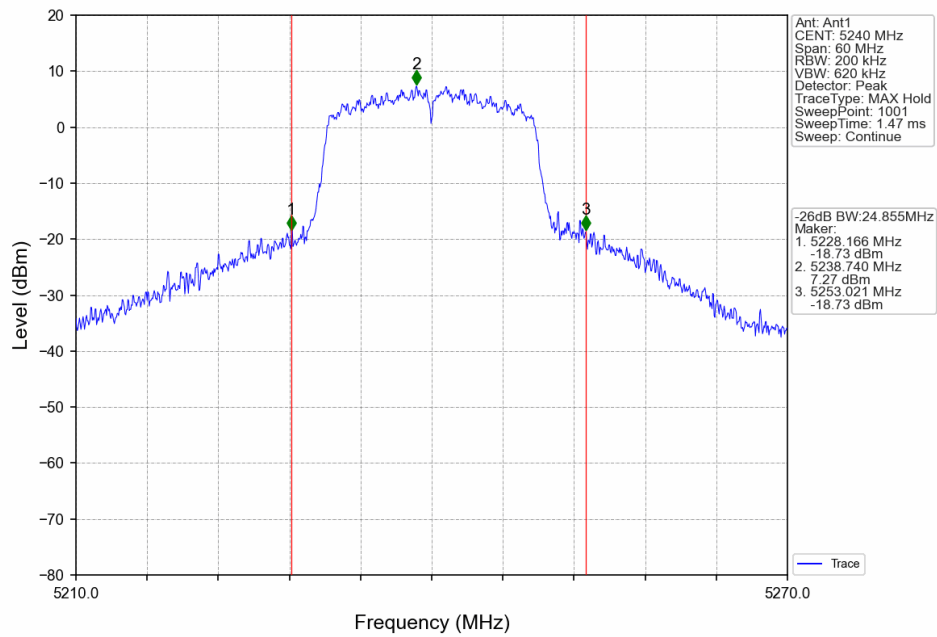


802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

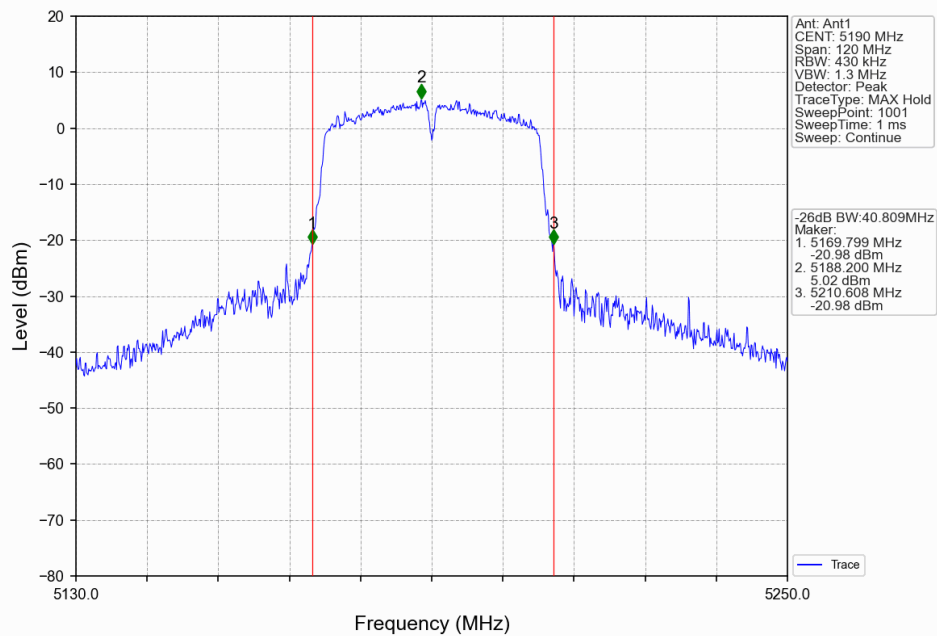




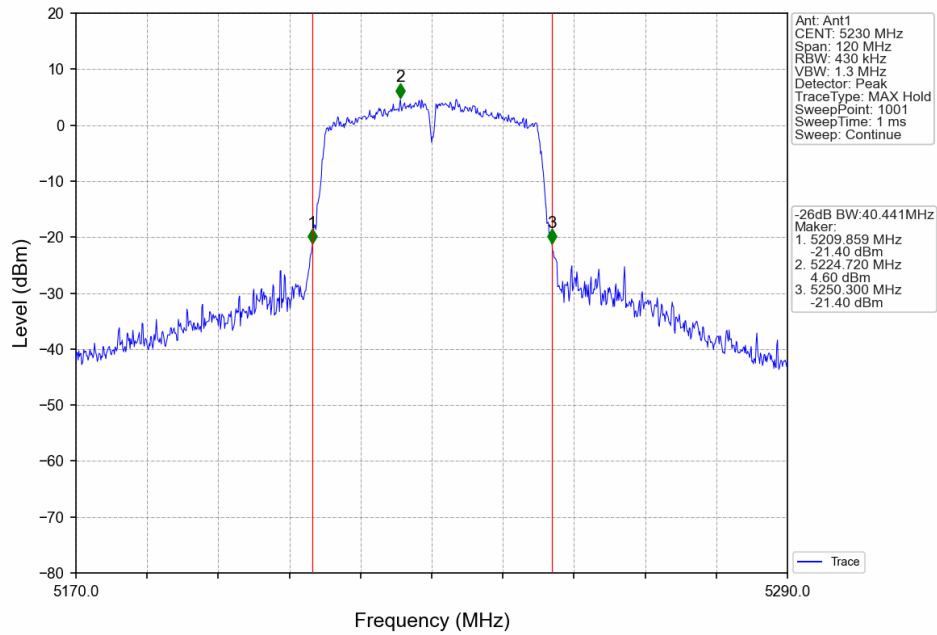
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



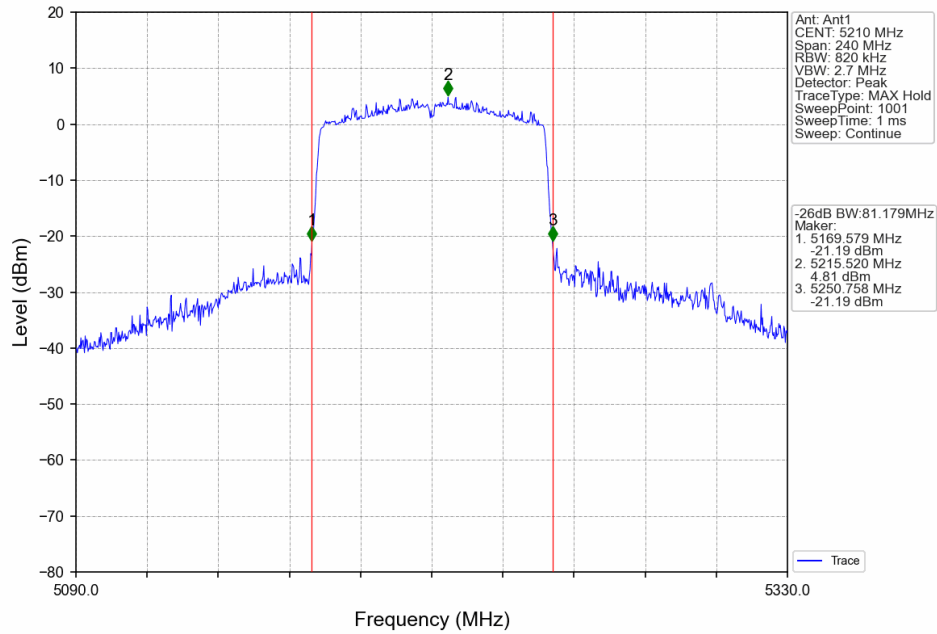
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV





3. Maximum Conducted Output Power

3.1 Power

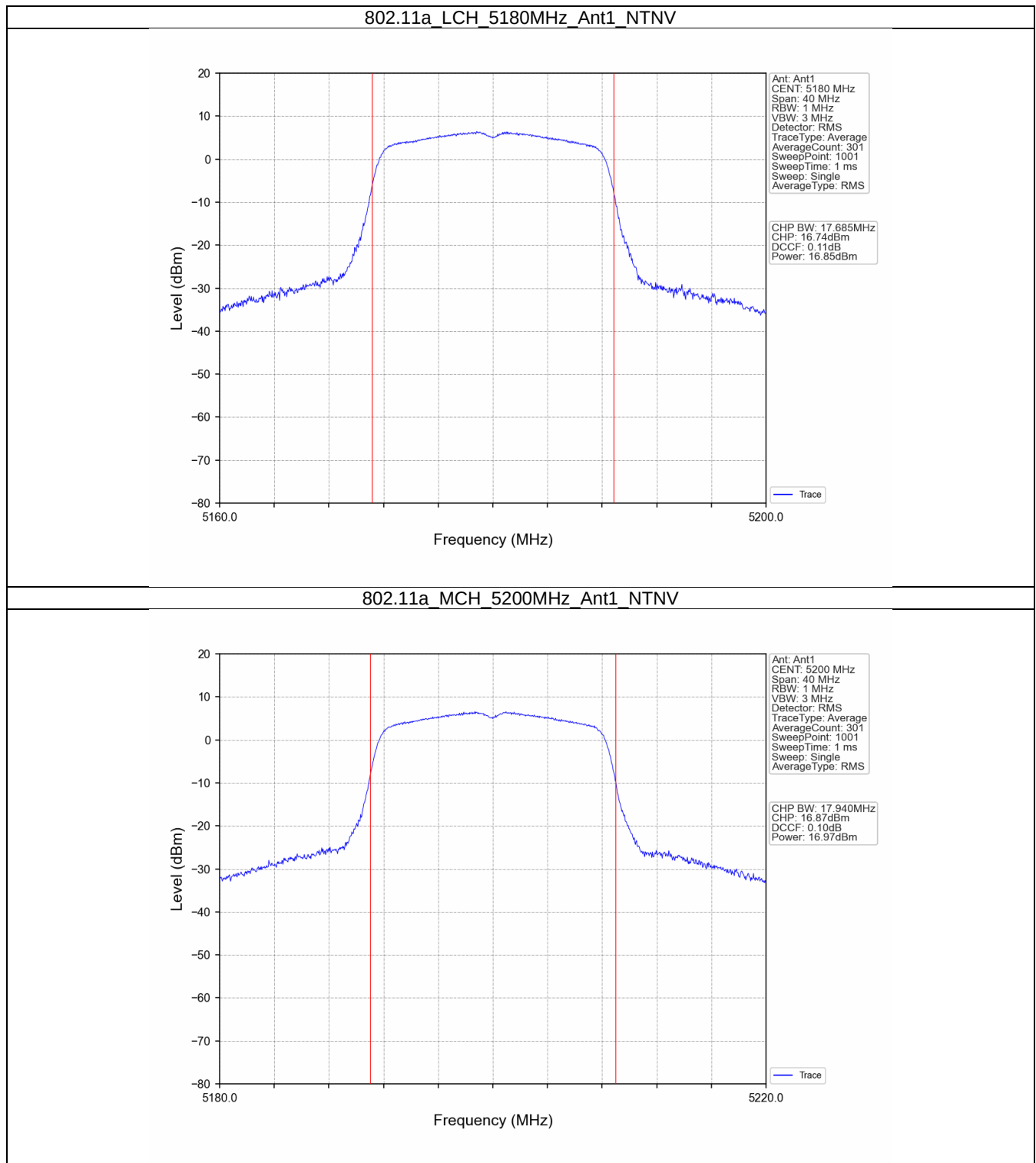
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	16.85	≤ 23.98	Pass
		5200	16.97	≤ 23.98	Pass
		5240	16.62	≤ 23.98	Pass
		5745	18.10	≤ 30	Pass
		5785	18.21	≤ 30	Pass
		5825	16.98	≤ 30	Pass
802.11n (HT20)	SISO	5180	16.74	≤ 23.98	Pass
		5200	16.83	≤ 23.98	Pass
		5240	16.50	≤ 23.98	Pass
		5745	17.57	≤ 30	Pass
		5785	17.62	≤ 30	Pass
		5825	16.48	≤ 30	Pass
802.11n (HT40)	SISO	5190	14.13	≤ 23.98	Pass
		5230	14.25	≤ 23.98	Pass
		5755	15.43	≤ 30	Pass
		5795	15.35	≤ 30	Pass
802.11ac (VHT20)	SISO	5180	16.72	≤ 23.98	Pass
		5200	16.28	≤ 23.98	Pass
		5240	16.08	≤ 23.98	Pass
		5745	17.55	≤ 30	Pass
		5785	17.65	≤ 30	Pass
		5825	16.45	≤ 30	Pass
802.11ac (VHT40)	SISO	5190	14.17	≤ 23.98	Pass
		5230	13.75	≤ 23.98	Pass
		5755	15.40	≤ 30	Pass
		5795	15.34	≤ 30	Pass
802.11ac (VHT80)	SISO	5210	13.78	≤ 23.98	Pass
		5775	13.29	≤ 30	Pass

Note1: Antenna Gain: Ant1: 1.54dBi;

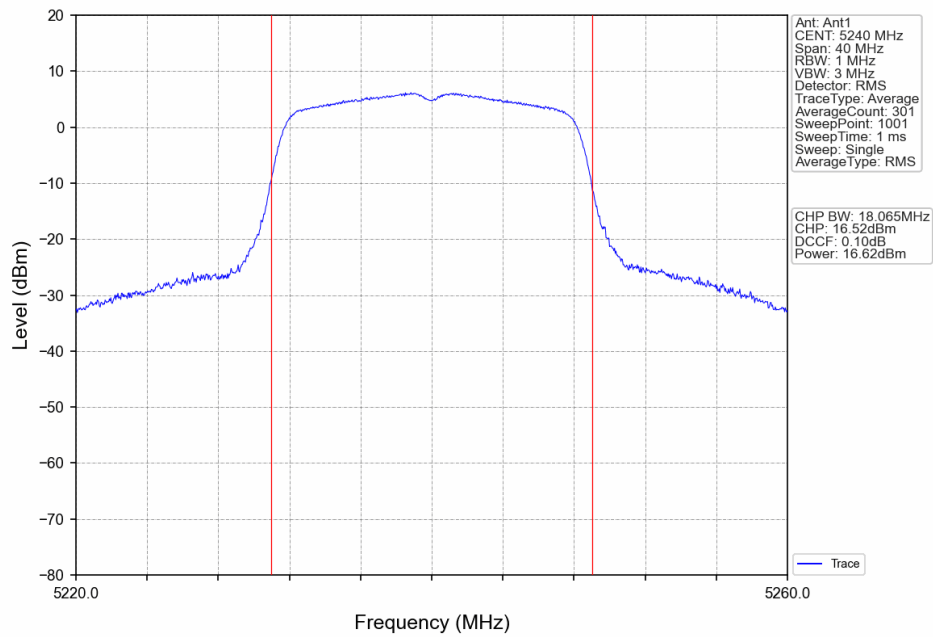


3.1.2 Test Graph

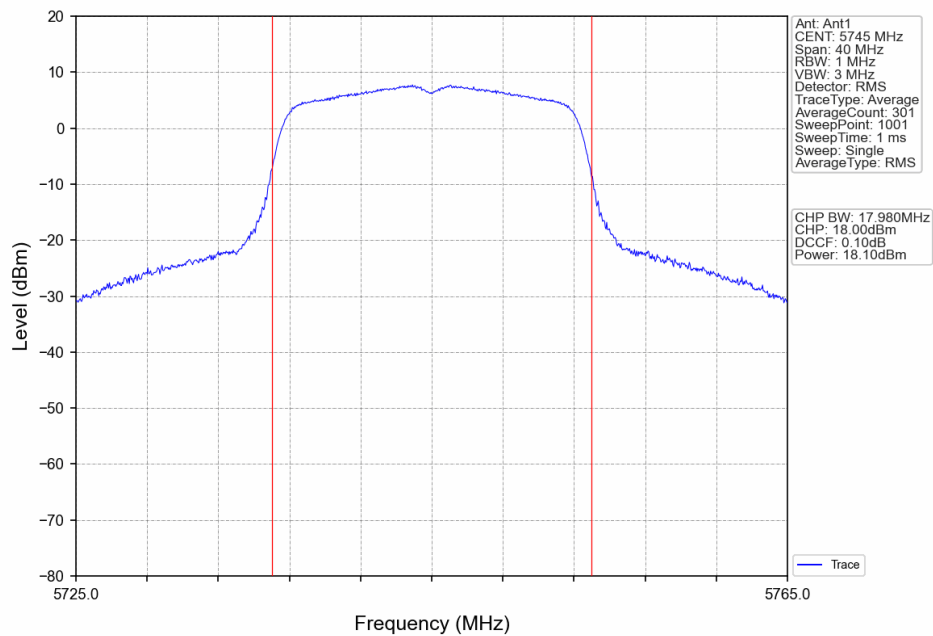




802.11a_HCH_5240MHz_Ant1_NTNV

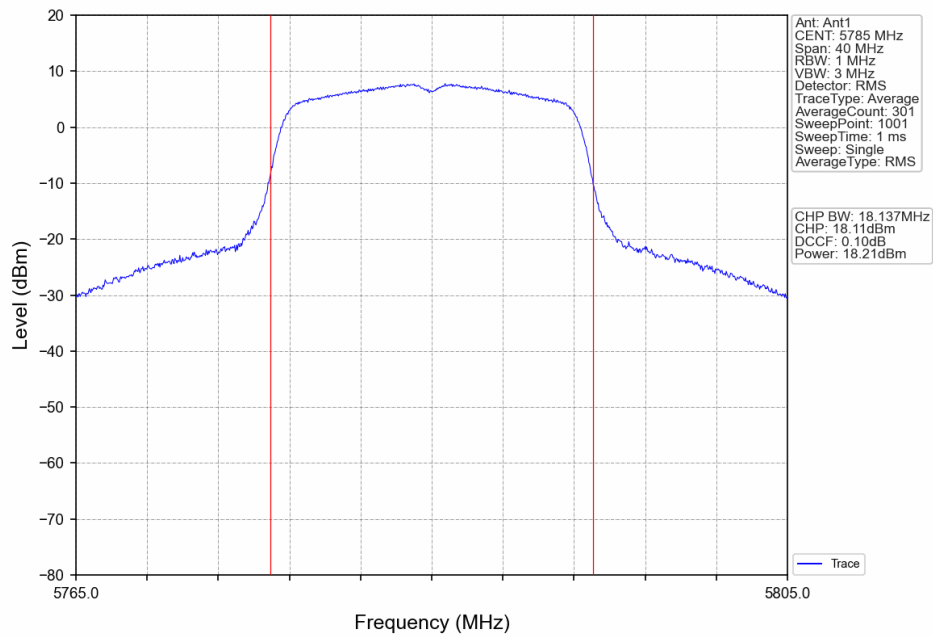


802.11a_LCH_5745MHz_Ant1_NTNV

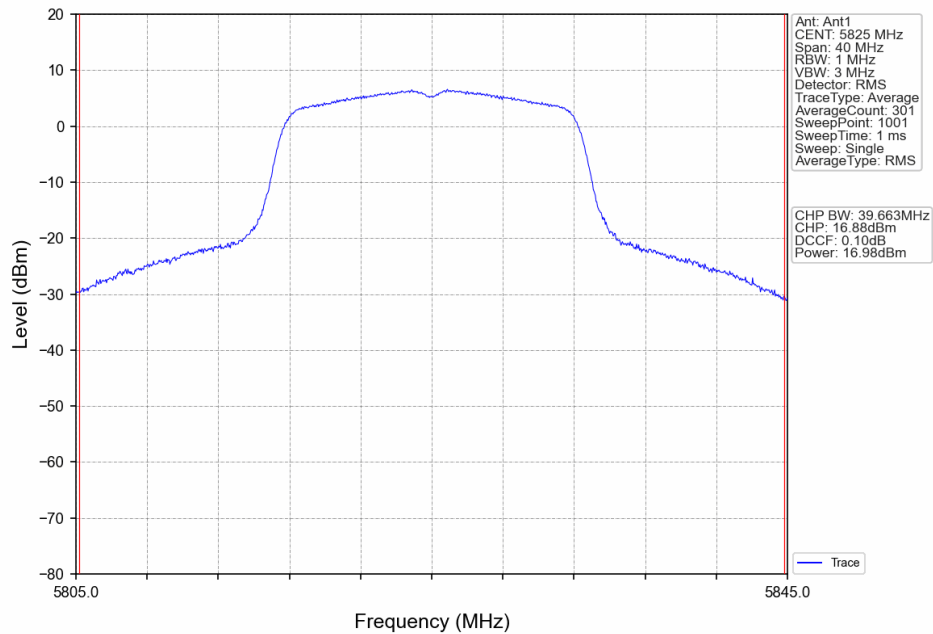




802.11a_MCH_5785MHz_Ant1_NTNV

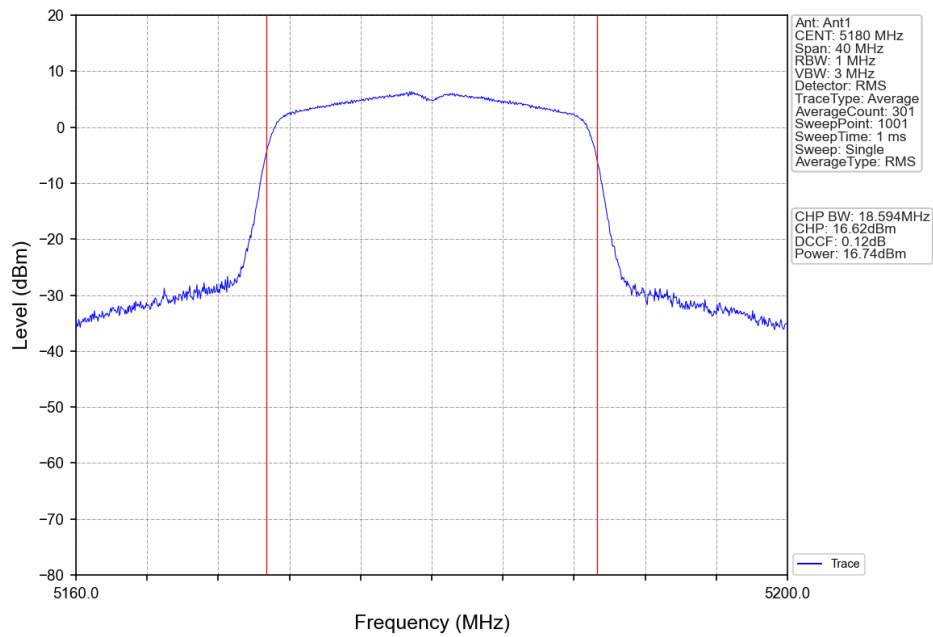


802.11a_HCH_5825MHz_Ant1_NTNV

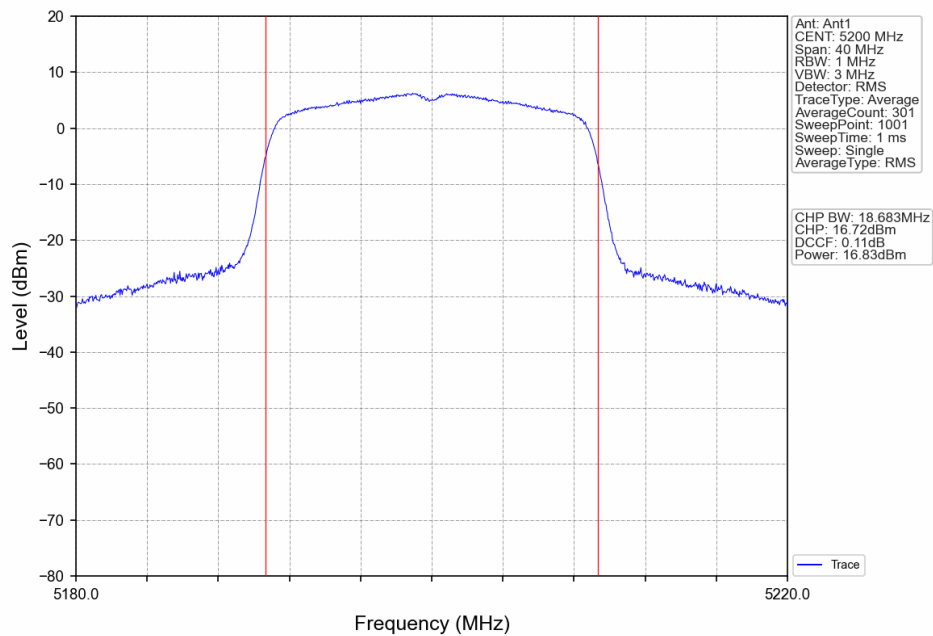




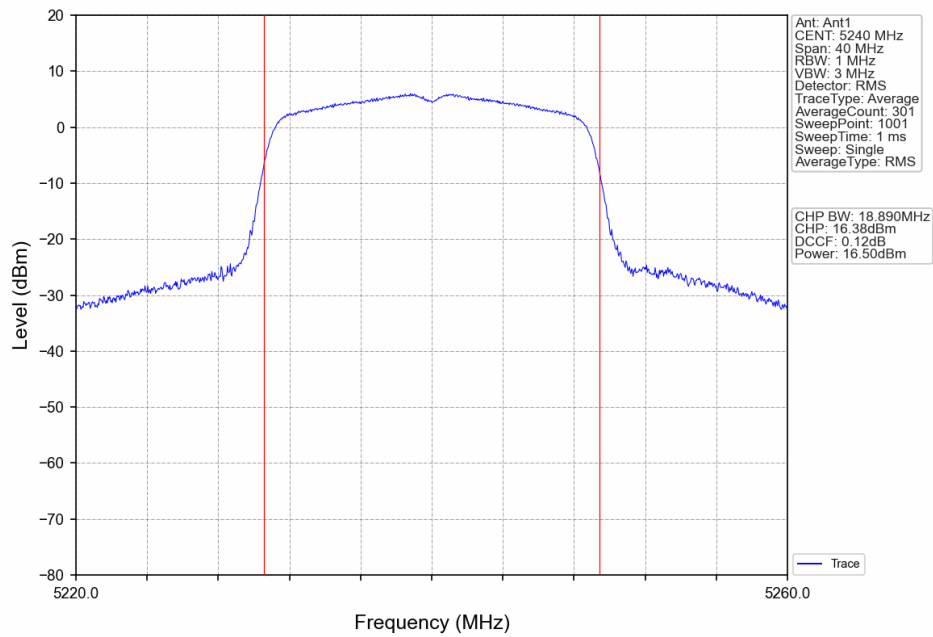
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



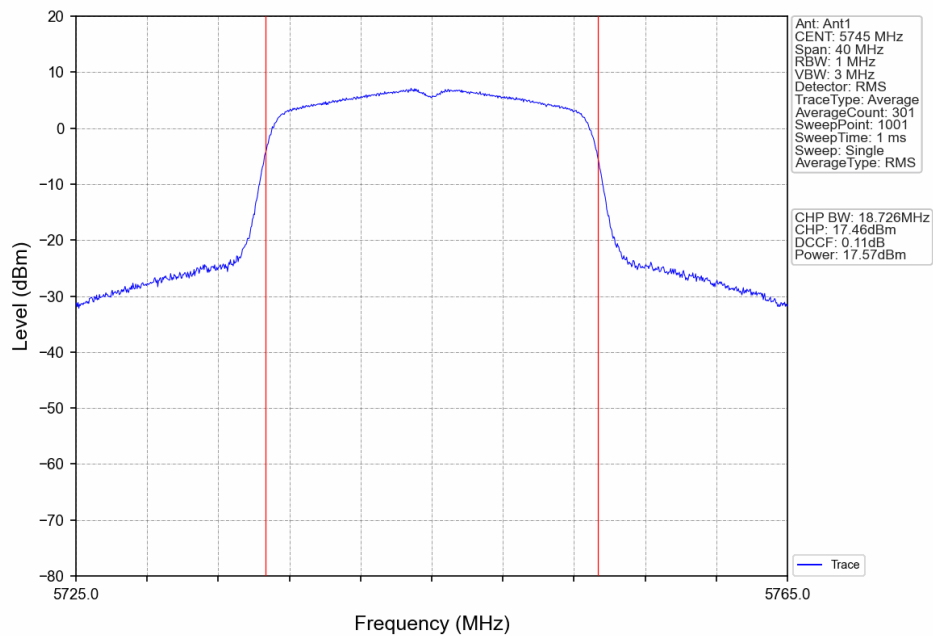
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

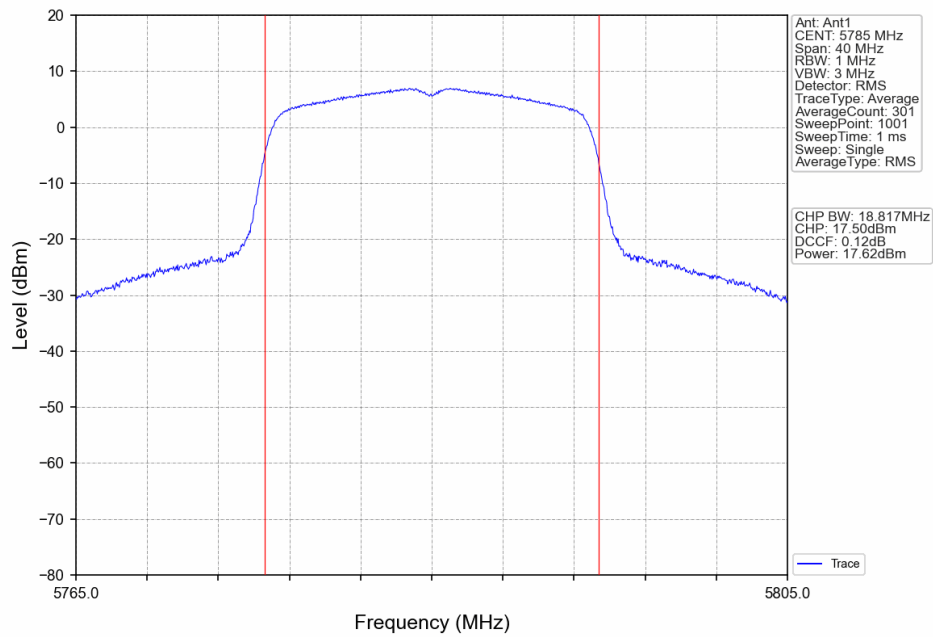


802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

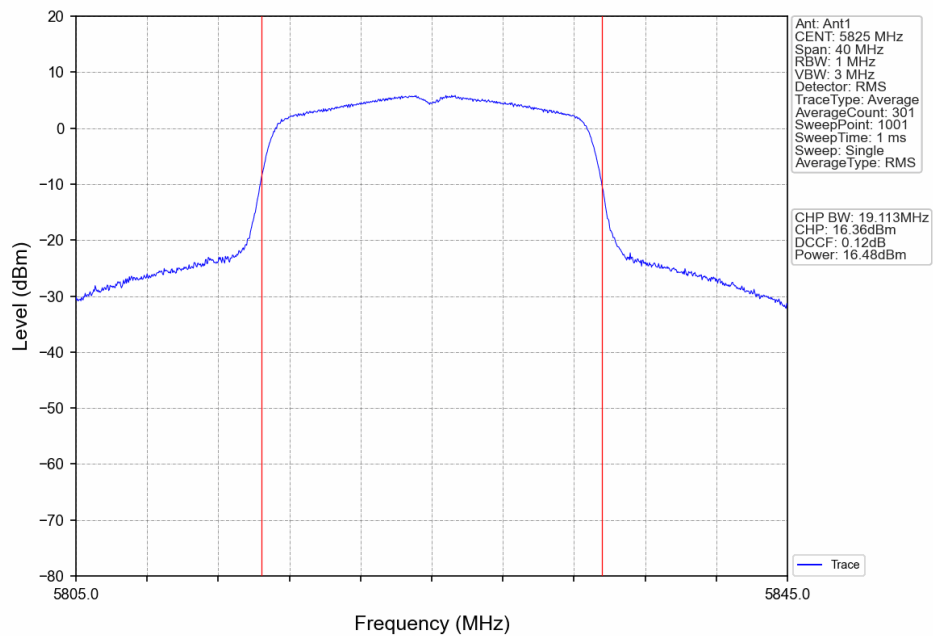




802.11n(HT20)_MCH_5785MHz_Ant1_NTNV

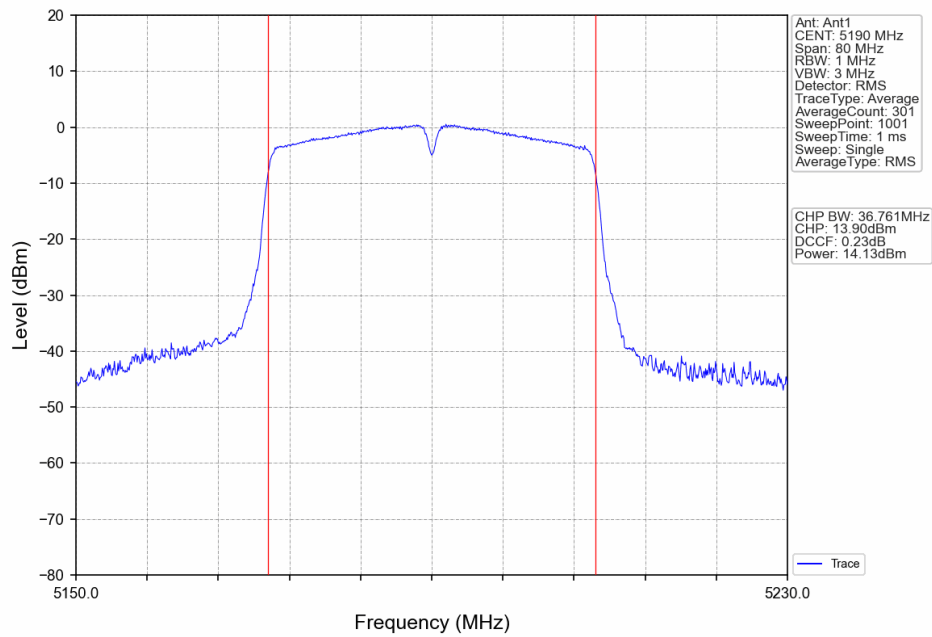


802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

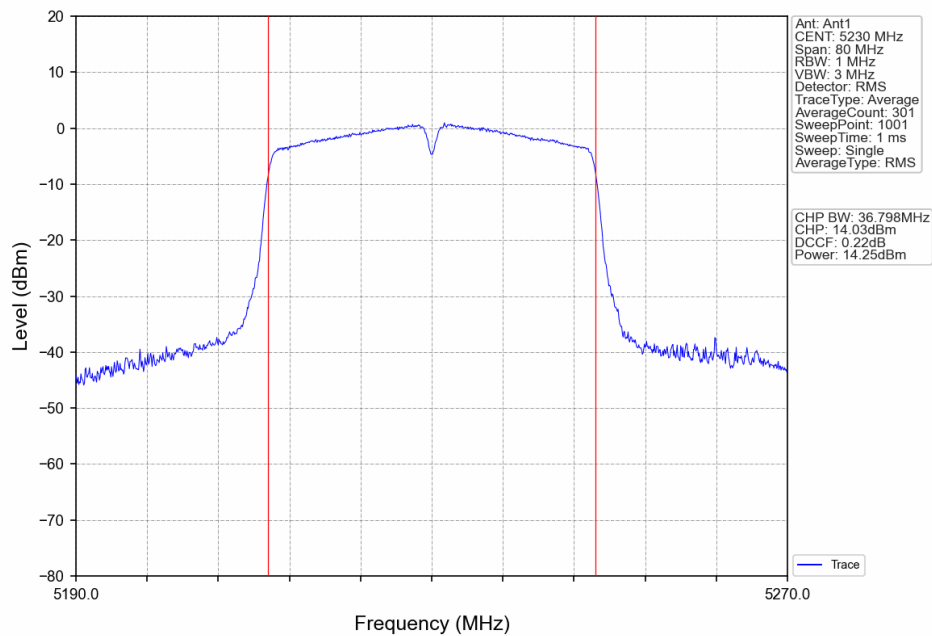




802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

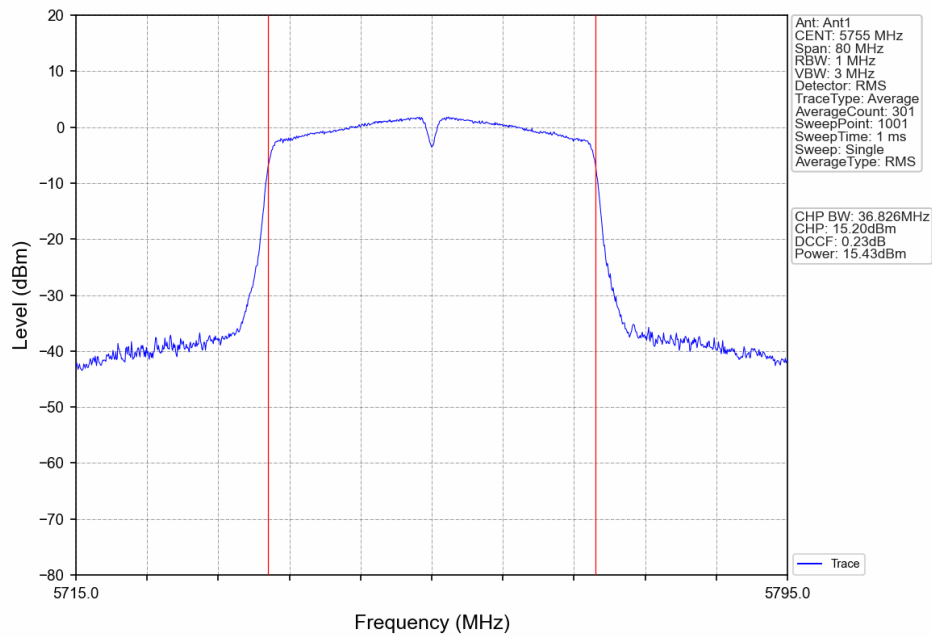


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

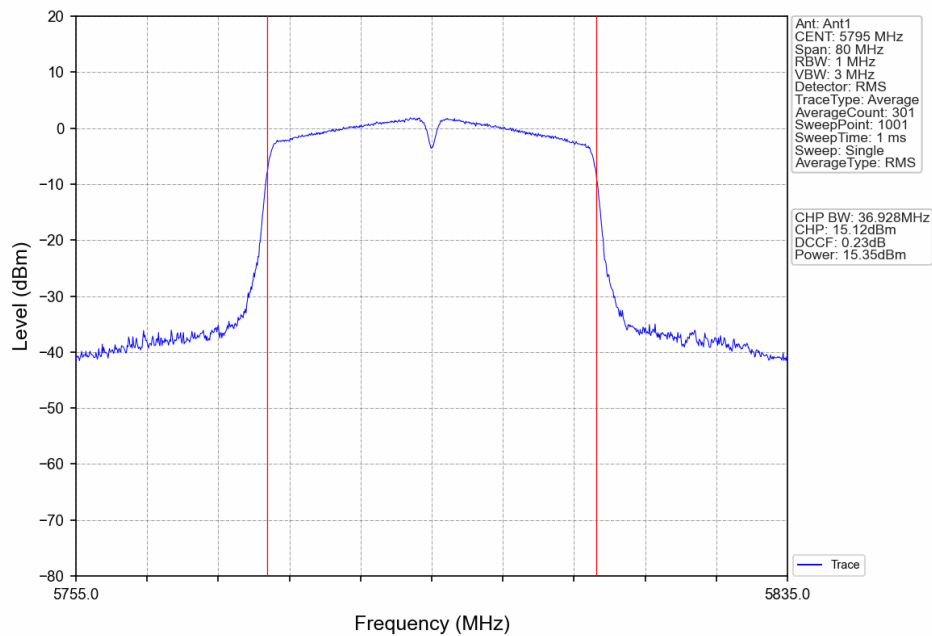




802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

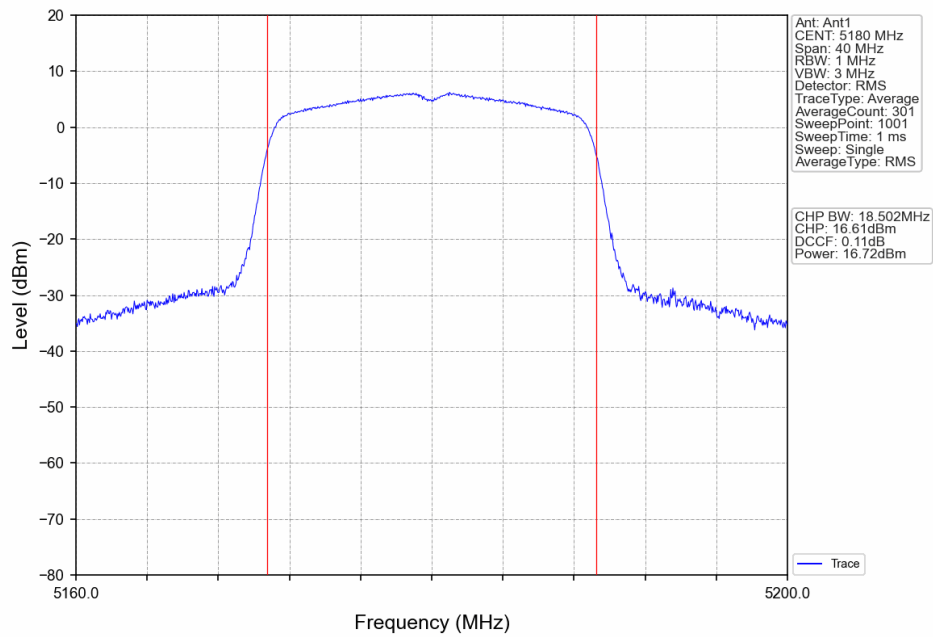


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

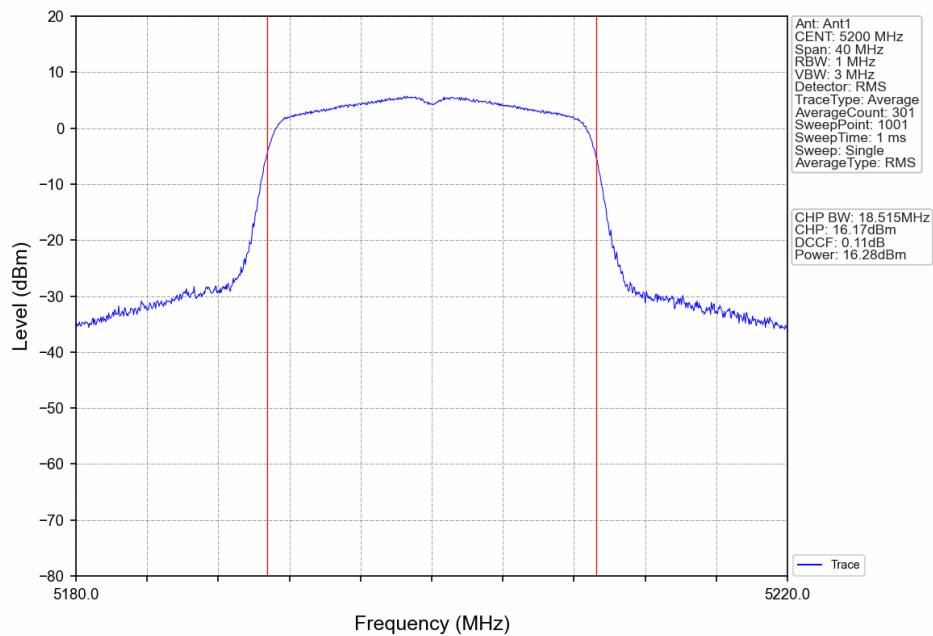




802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

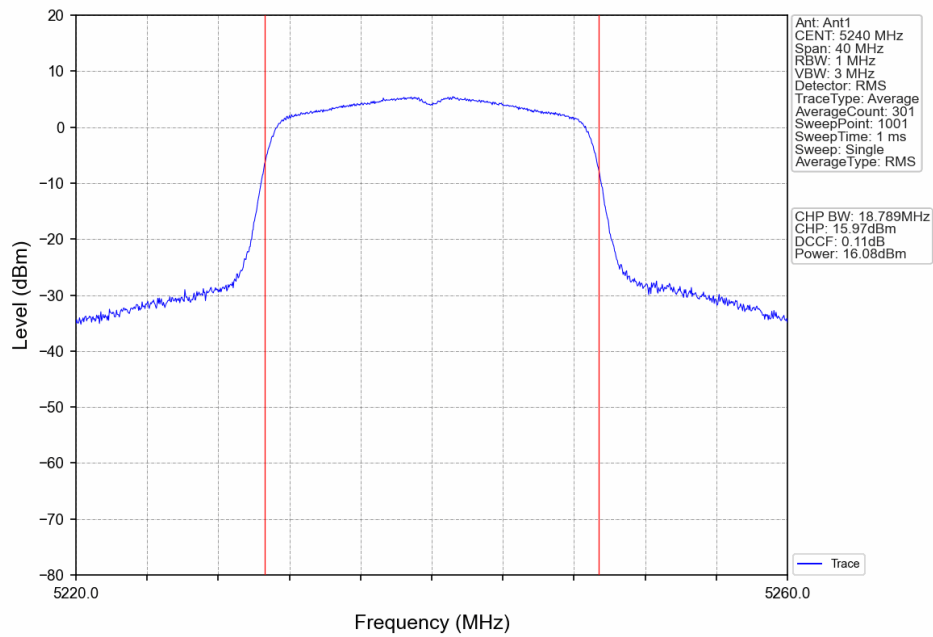


802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

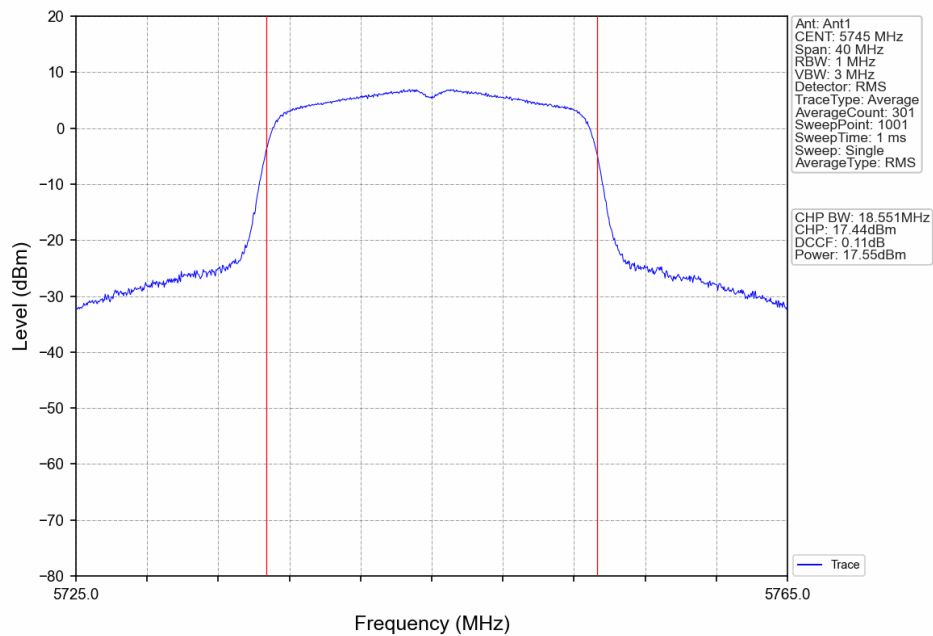




802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

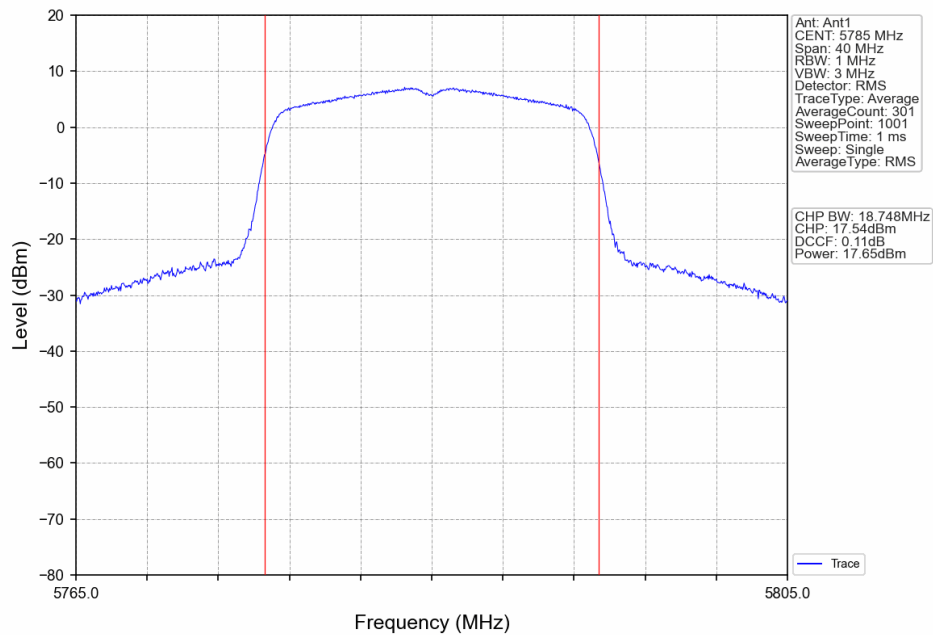


802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

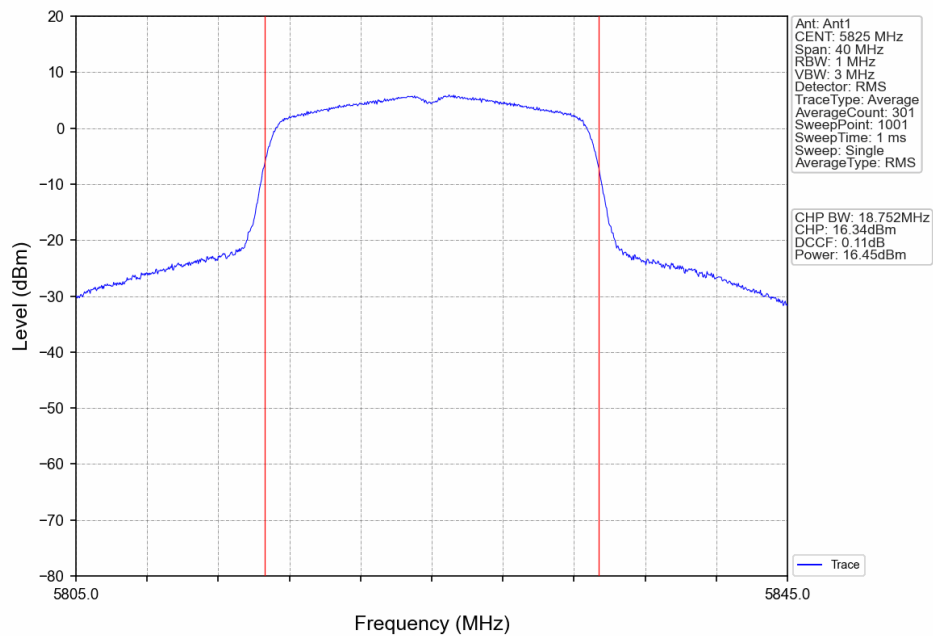




802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

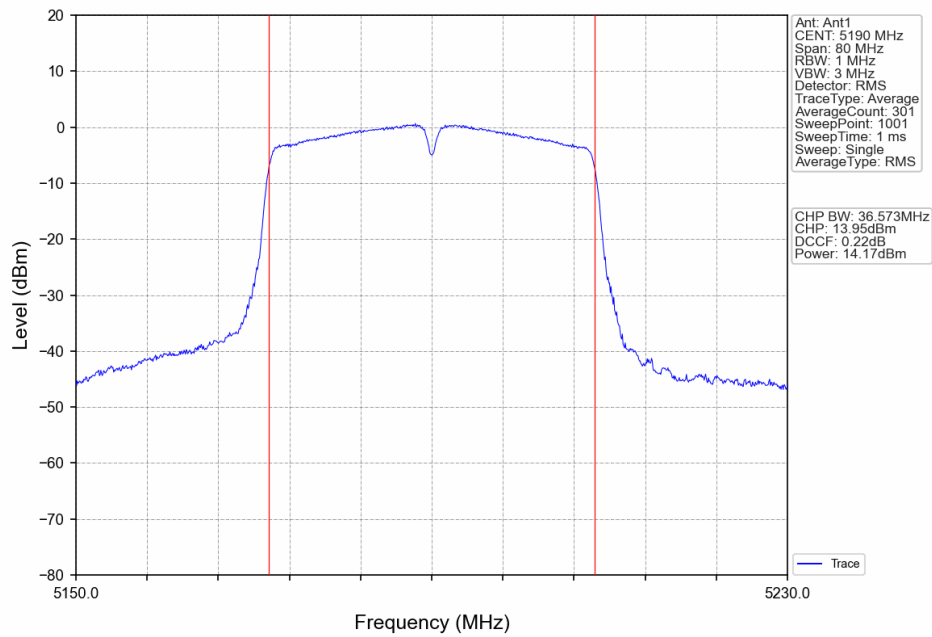


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

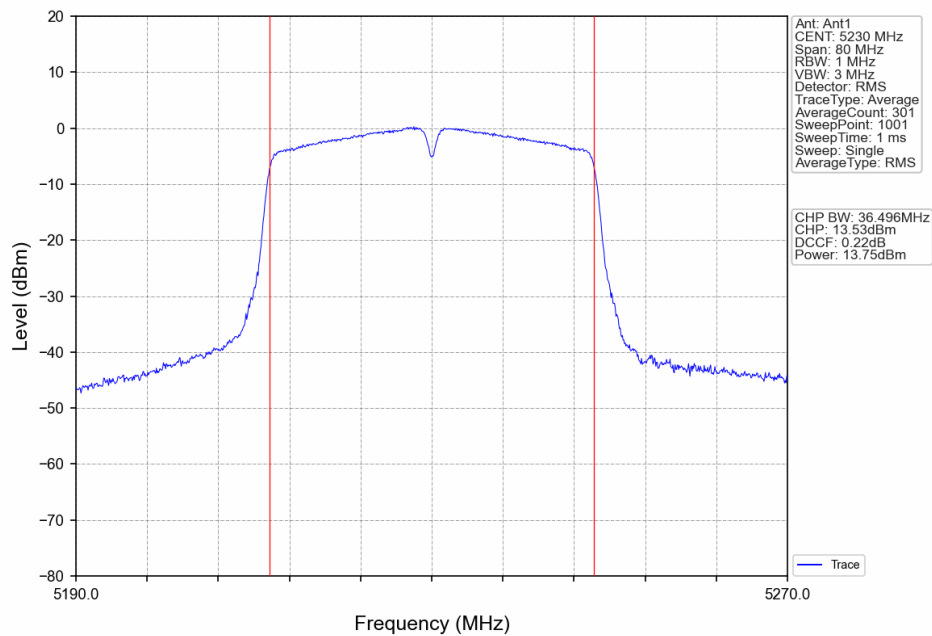




802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

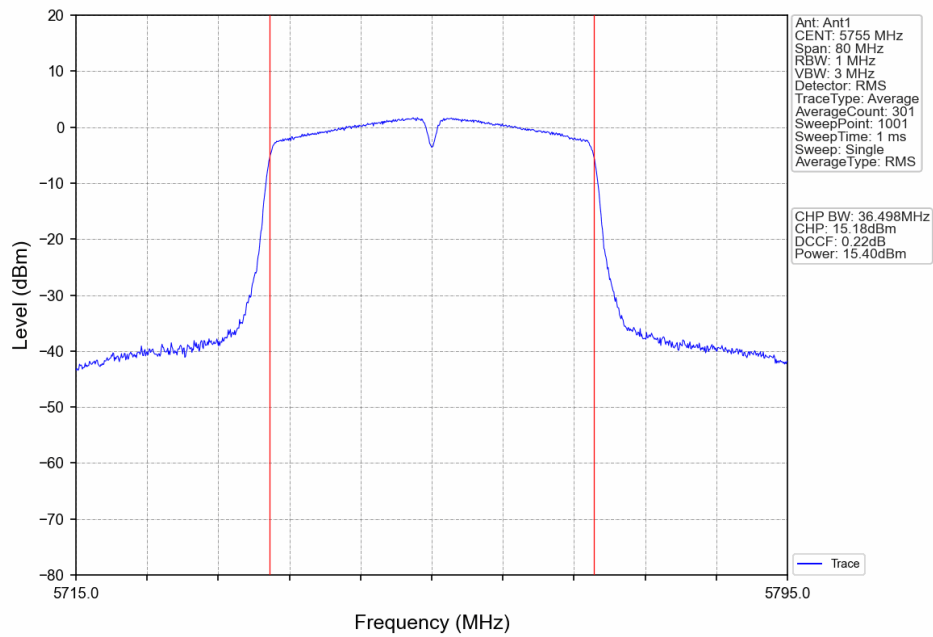


802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

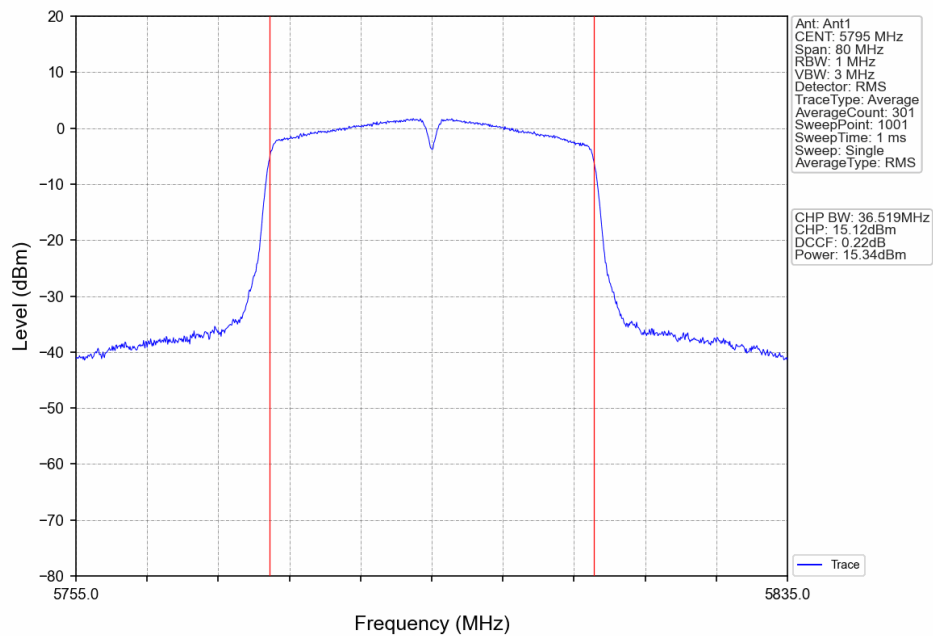




802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

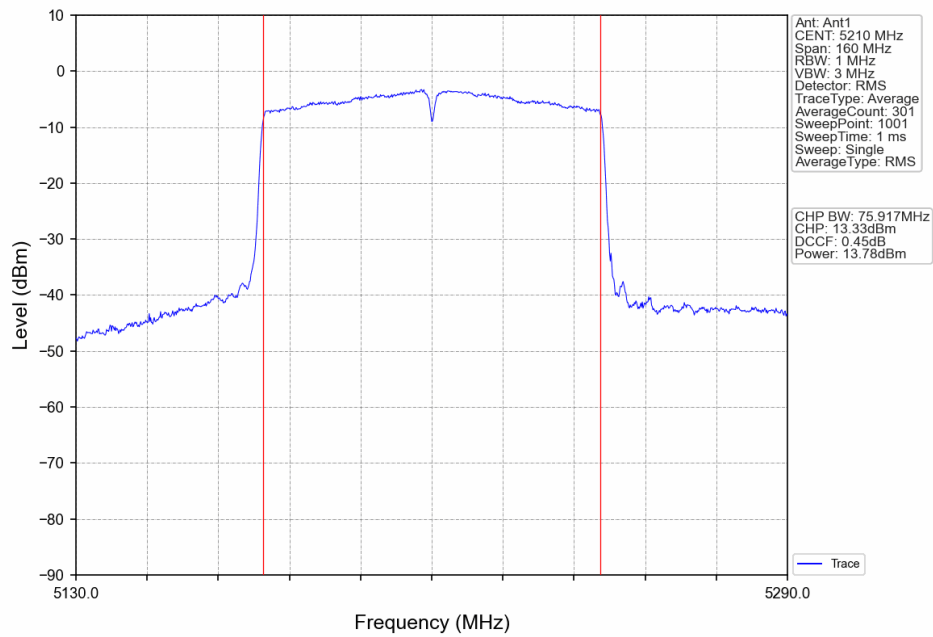


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

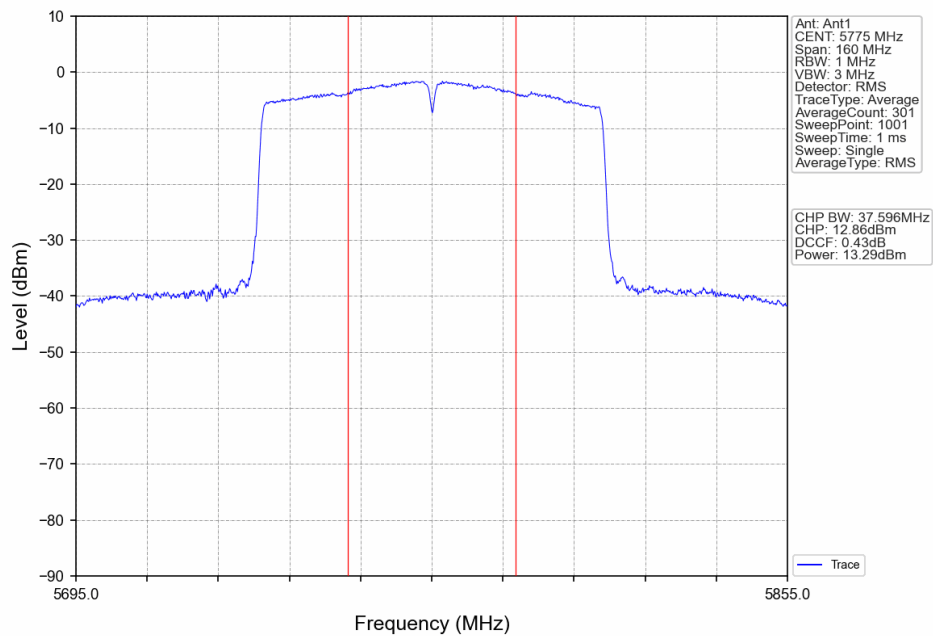




802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV





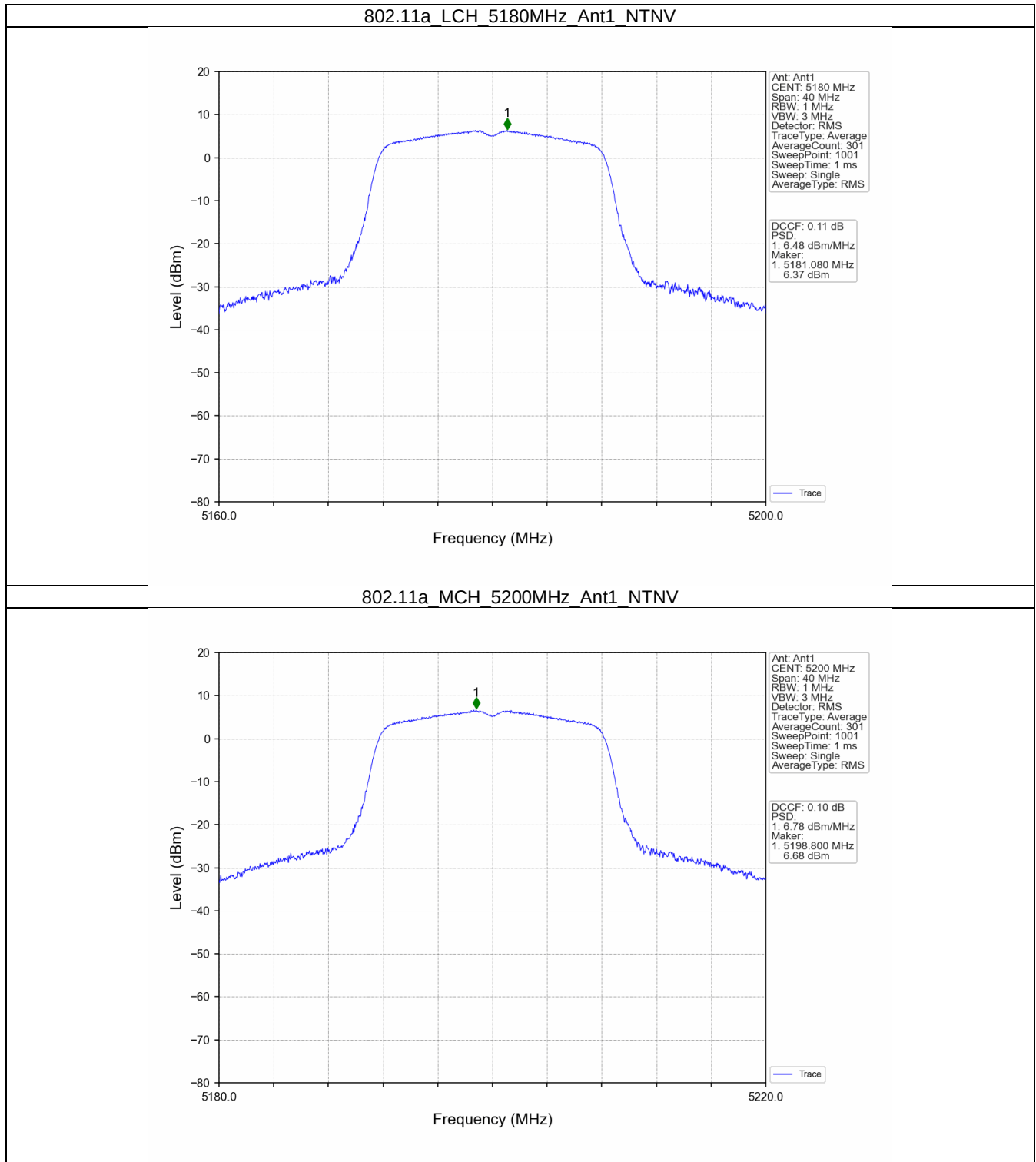
4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

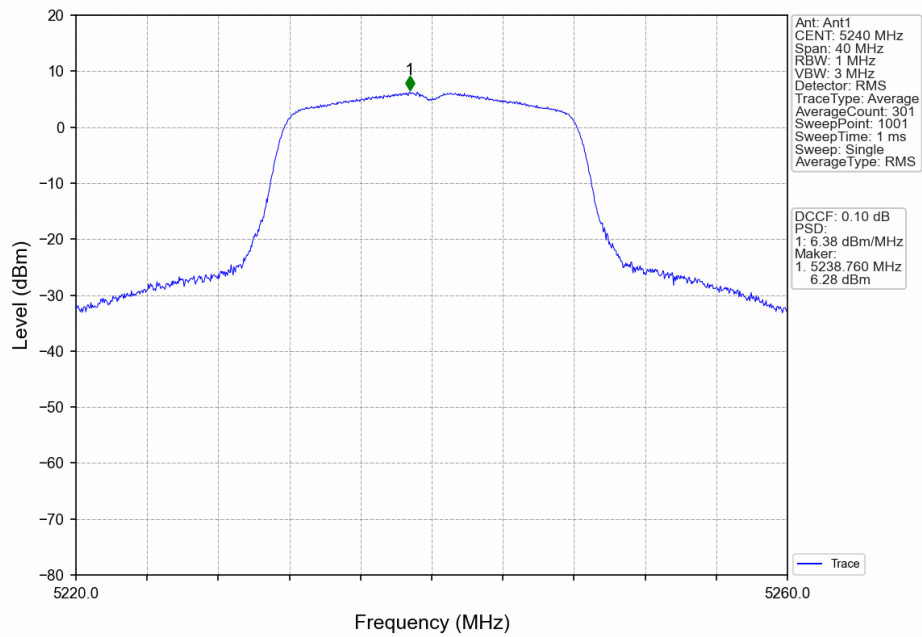
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	6.48	<=11	Pass
		5200	6.78	<=11	Pass
		5240	6.38	<=11	Pass
802.11n (HT20)	SISO	5180	6.40	<=11	Pass
		5200	6.44	<=11	Pass
		5240	6.06	<=11	Pass
802.11n (HT40)	SISO	5190	0.86	<=11	Pass
		5230	0.99	<=11	Pass
802.11ac (VHT20)	SISO	5180	6.24	<=11	Pass
		5200	5.87	<=11	Pass
		5240	5.65	<=11	Pass
802.11ac (VHT40)	SISO	5190	0.76	<=11	Pass
		5230	0.44	<=11	Pass
802.11ac (VHT80)	SISO	5210	-3.01	<=11	Pass
Note1: Antenna Gain: Ant1: 1.54dBi;					

4.1.2 Test Graph

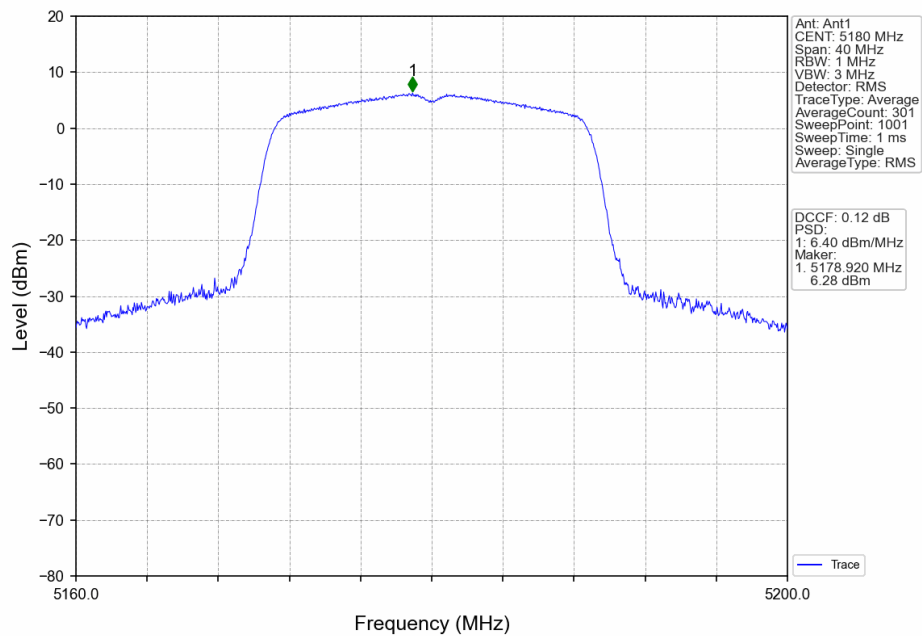




802.11a_HCH_5240MHz_Ant1_NTNV

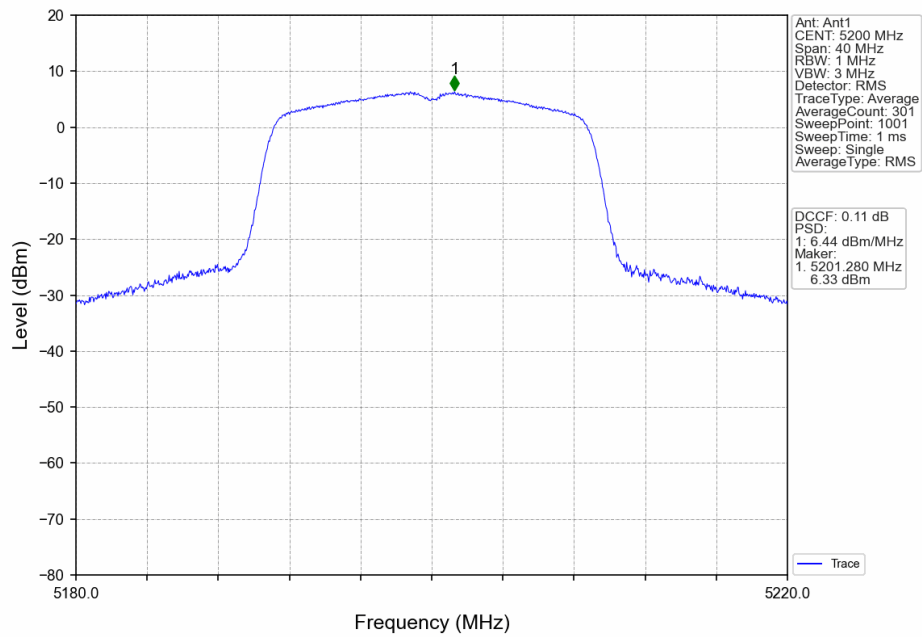


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

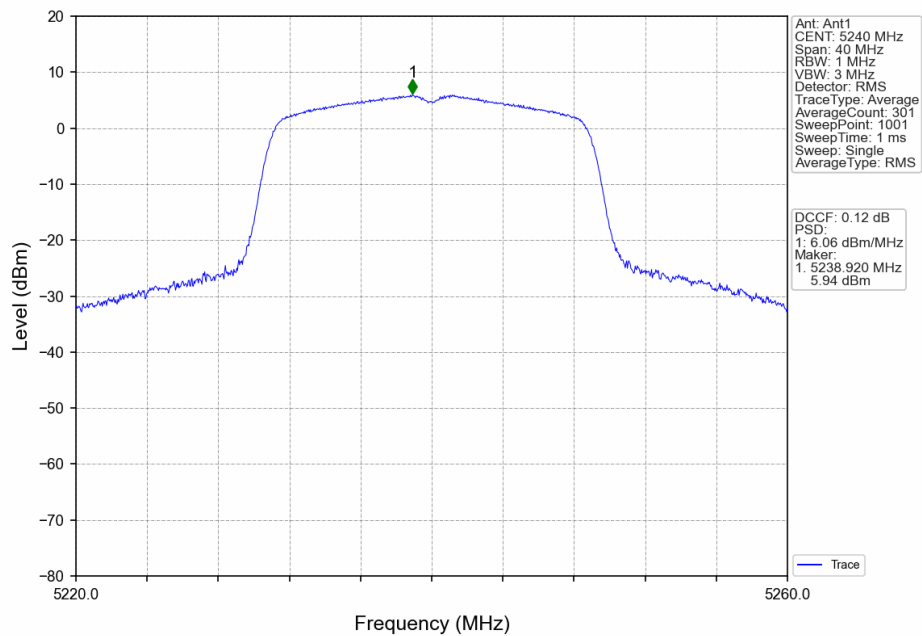




802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

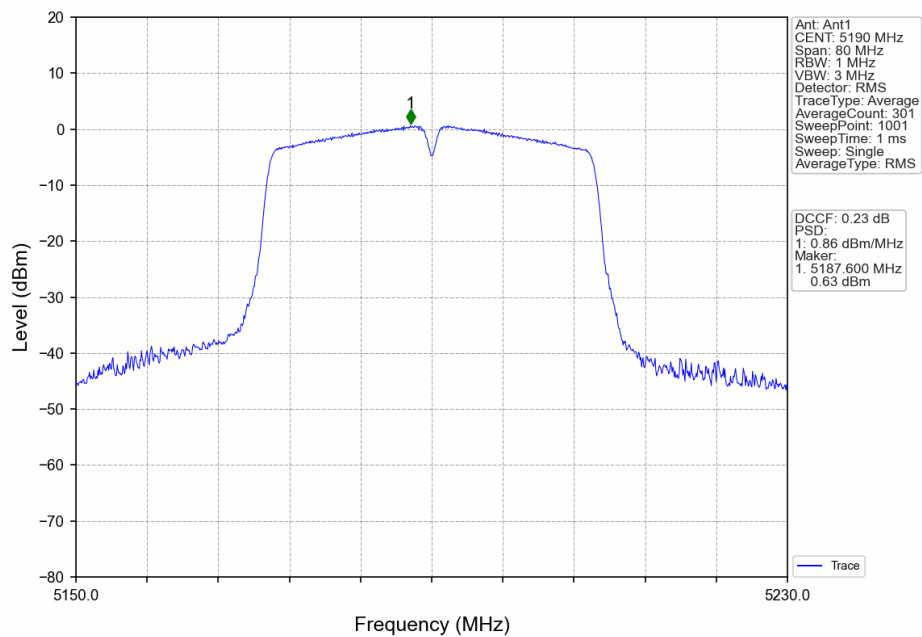


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

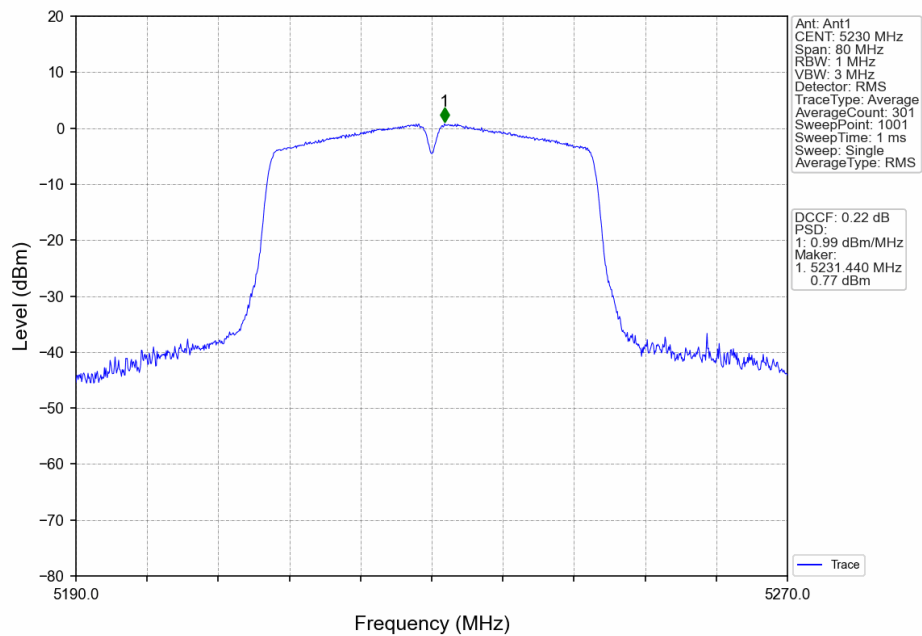




802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

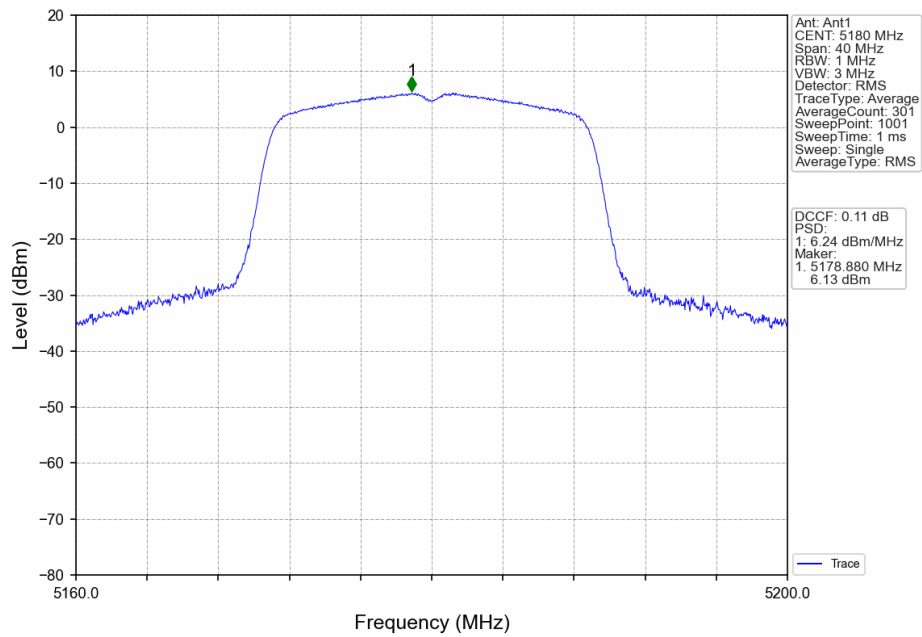


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

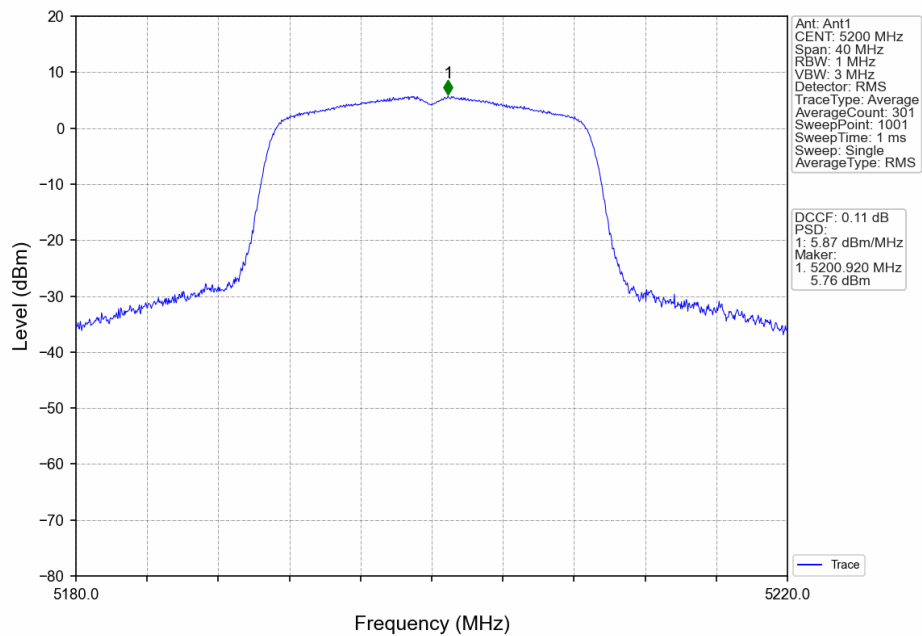




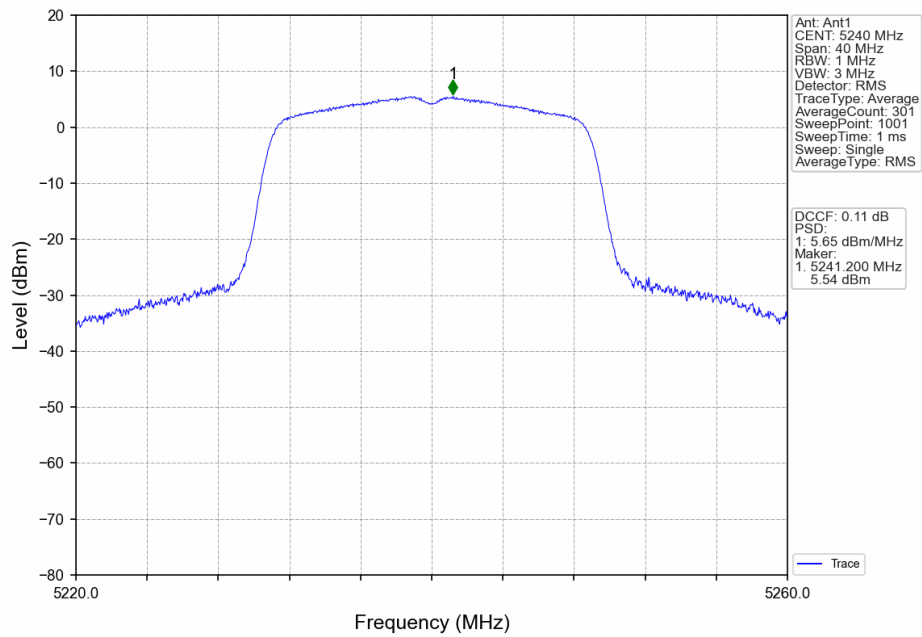
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



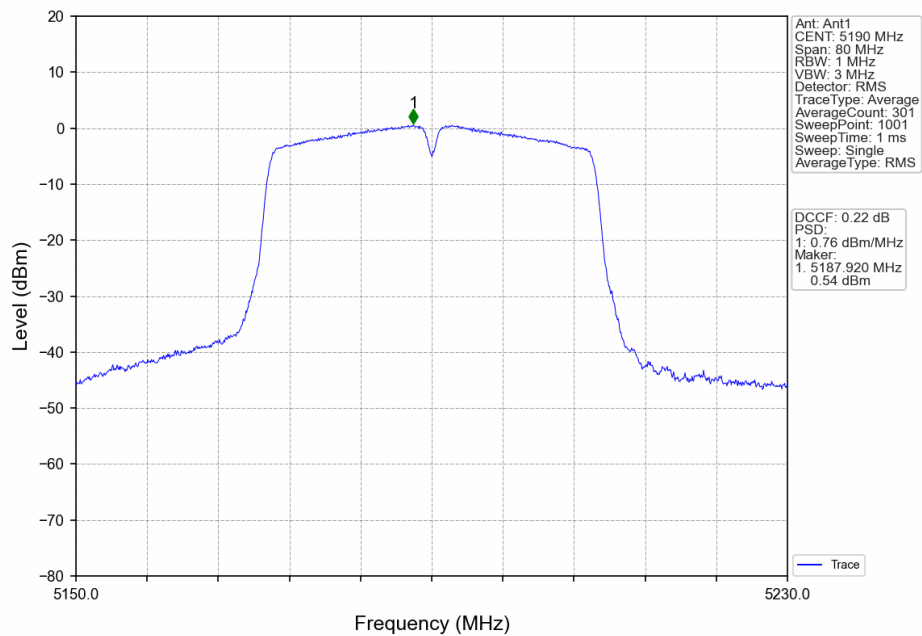
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

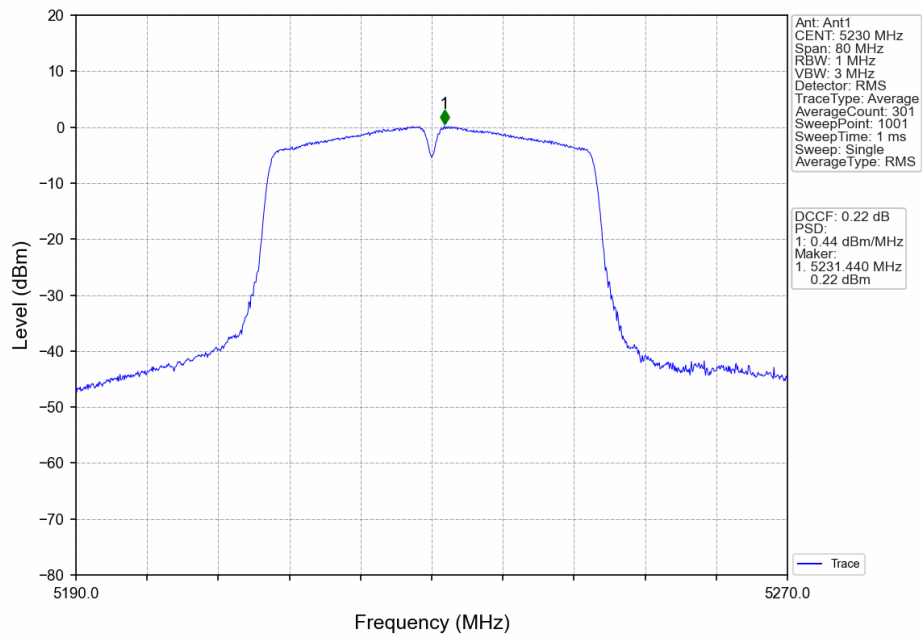


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

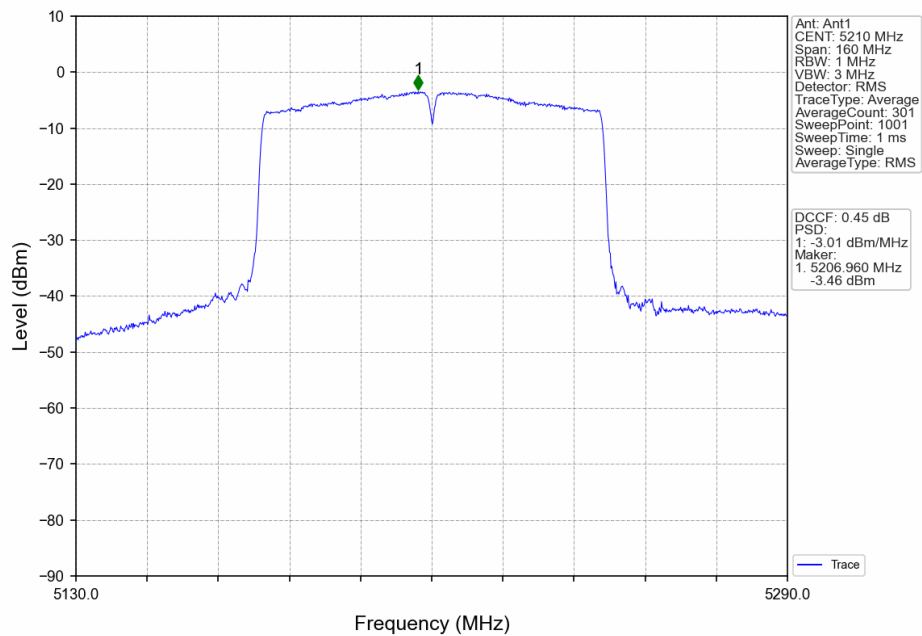




802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



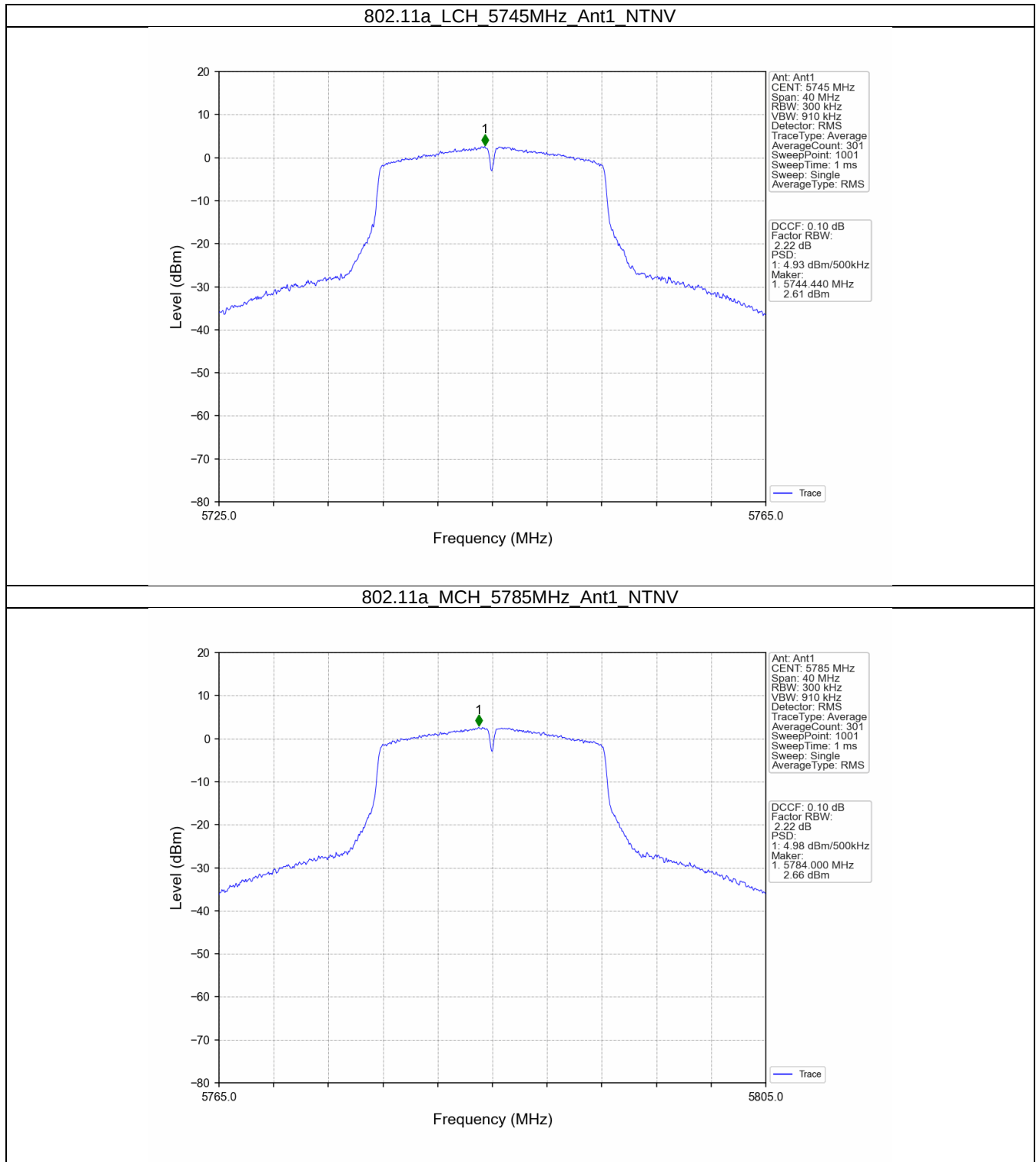


4.2 PSD-Band3

4.2.1 Test Result

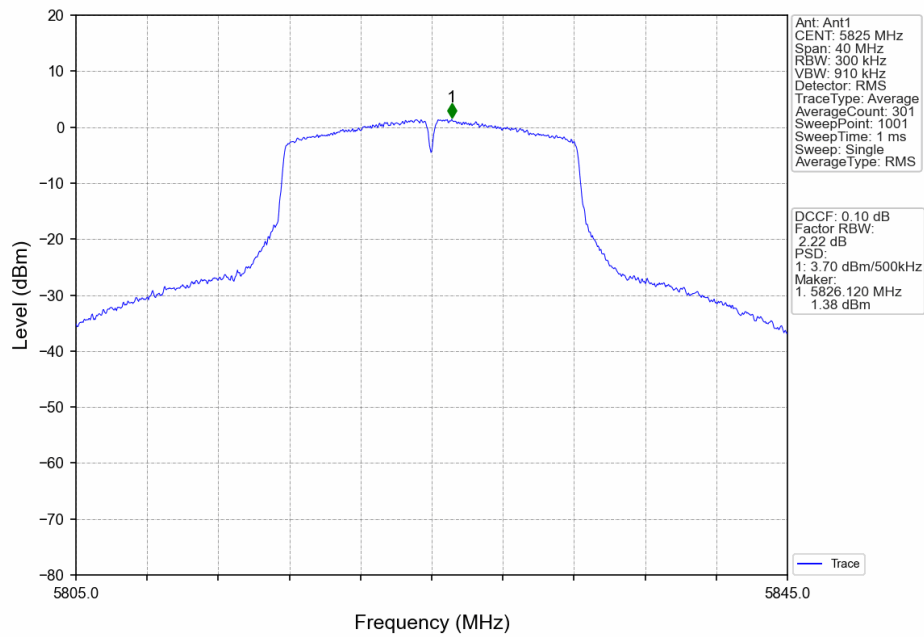
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	4.93	<=30	Pass
		5785	4.98	<=30	Pass
		5825	3.70	<=30	Pass
802.11n (HT20)	SISO	5745	4.28	<=30	Pass
		5785	4.38	<=30	Pass
		5825	3.14	<=30	Pass
802.11n (HT40)	SISO	5755	-0.79	<=30	Pass
		5795	-1.09	<=30	Pass
802.11ac (VHT20)	SISO	5745	4.21	<=30	Pass
		5785	4.51	<=30	Pass
		5825	3.25	<=30	Pass
802.11ac (VHT40)	SISO	5755	-0.93	<=30	Pass
		5795	-1.03	<=30	Pass
802.11ac (VHT80)	SISO	5775	-3.66	<=30	Pass
Note1: Antenna Gain: Ant1: 1.54dBi;					

4.2.2 Test Graph

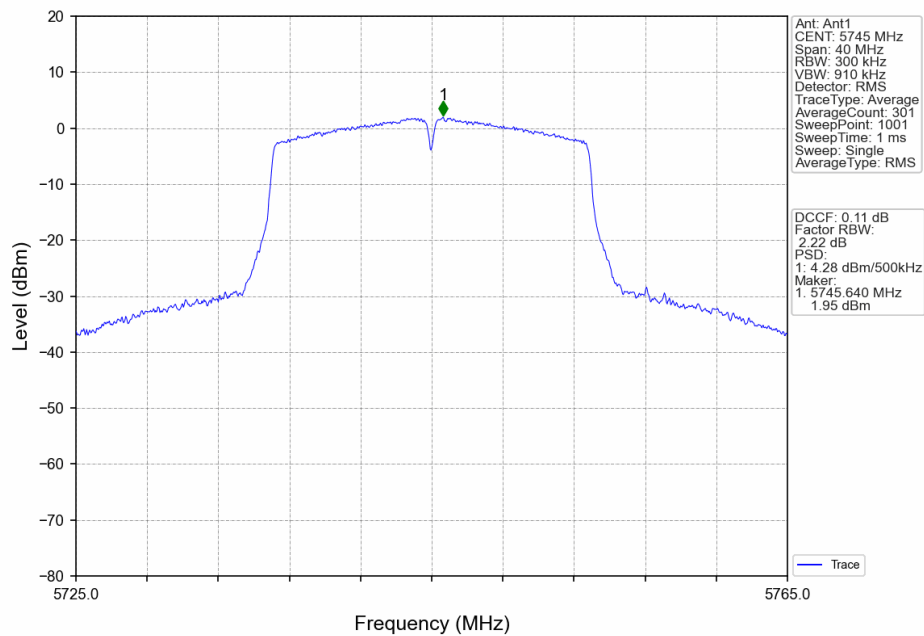




802.11a_HCH_5825MHz_Ant1_NTNV

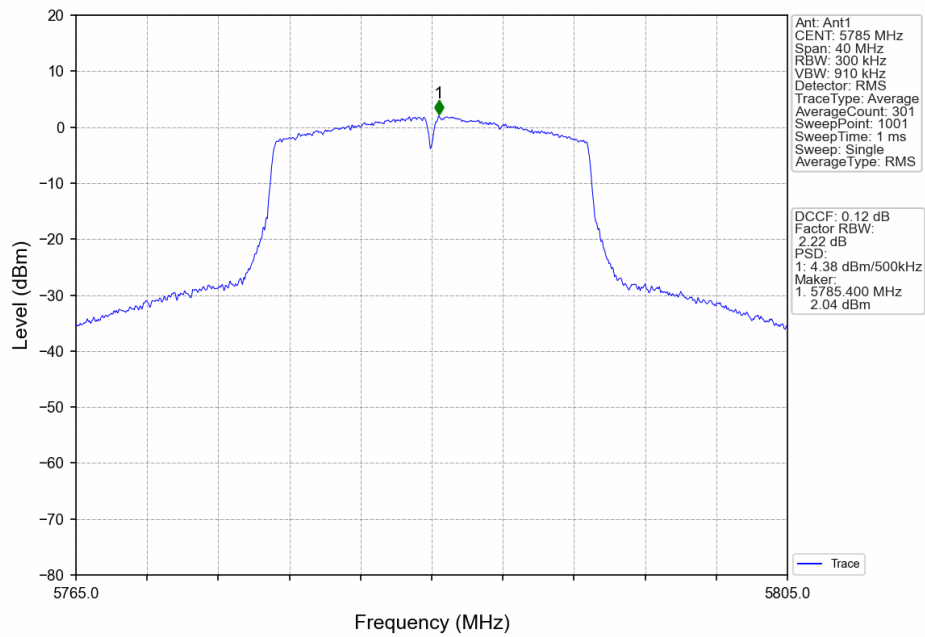


802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

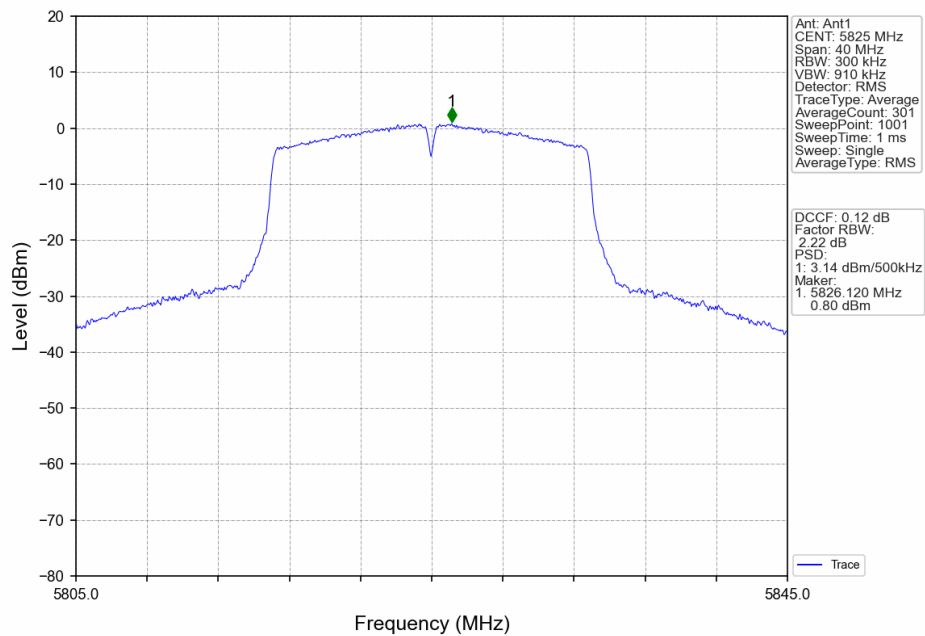




802.11n(HT20)_MCH_5785MHz_Ant1_NTNV

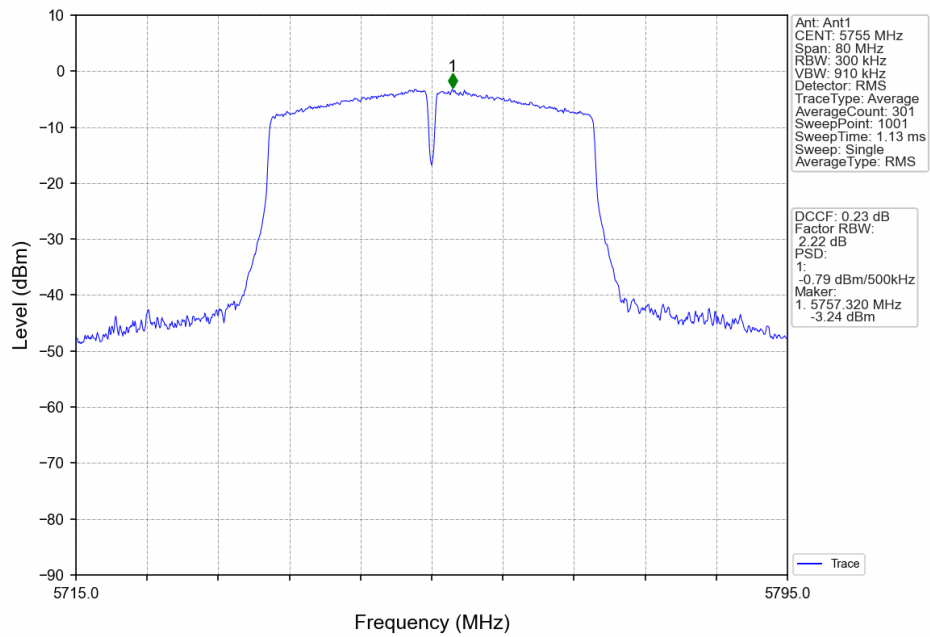


802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

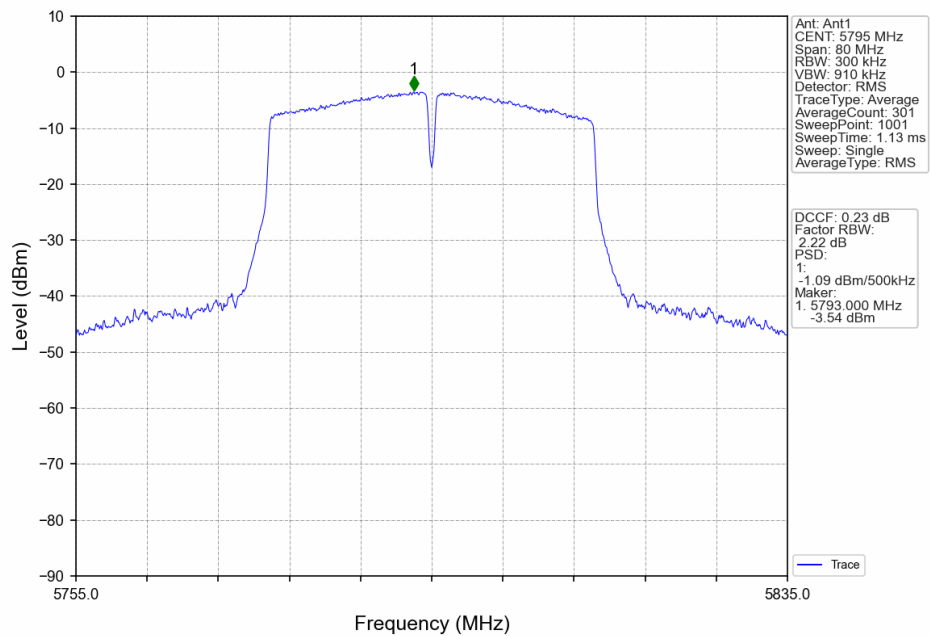




802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

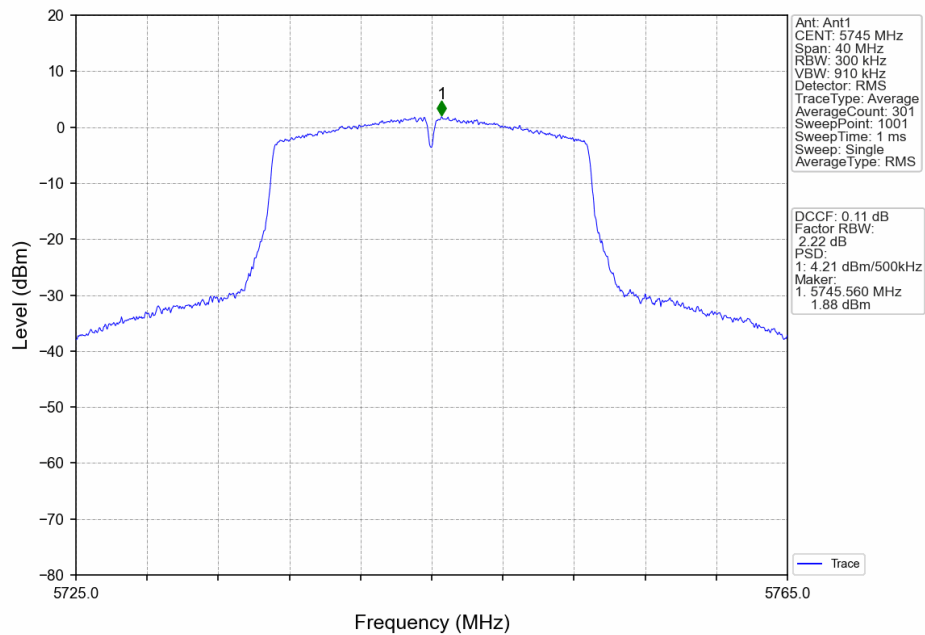


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

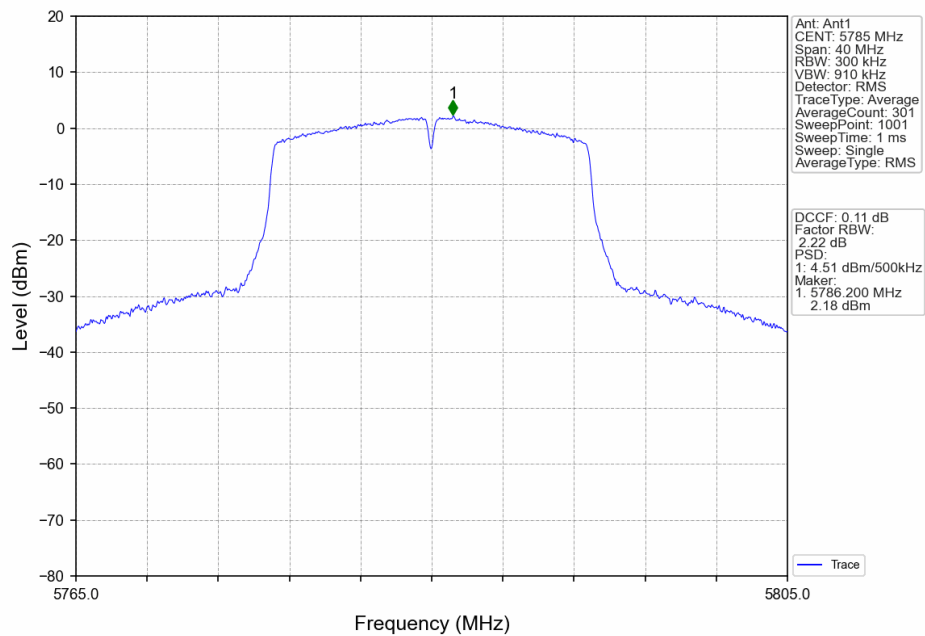




802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

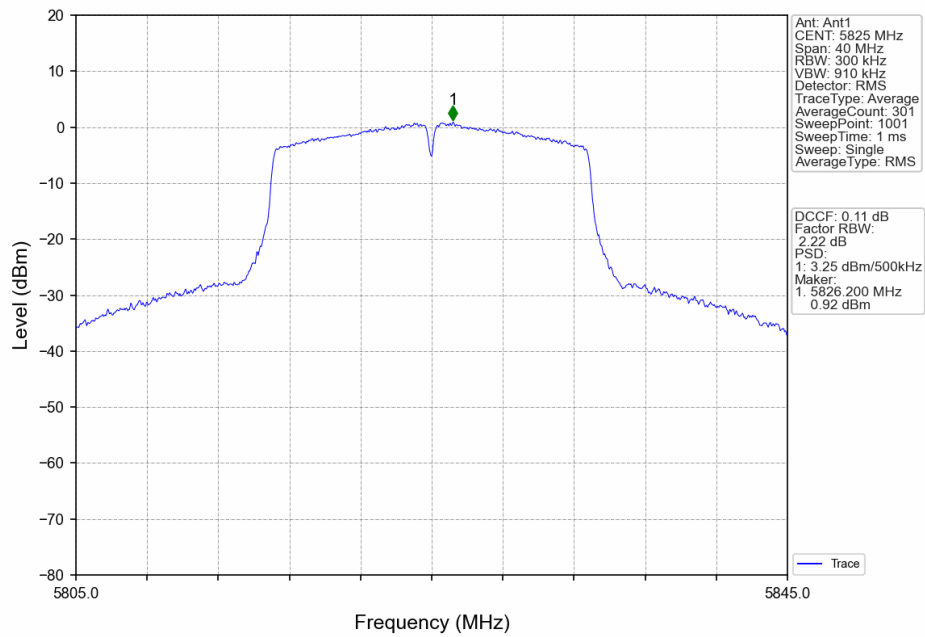


802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

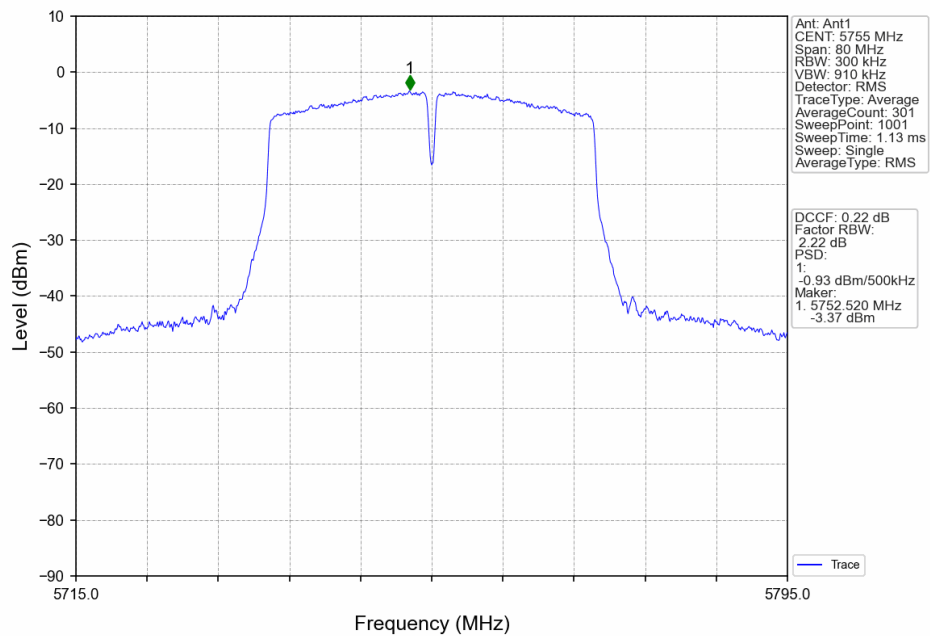




802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

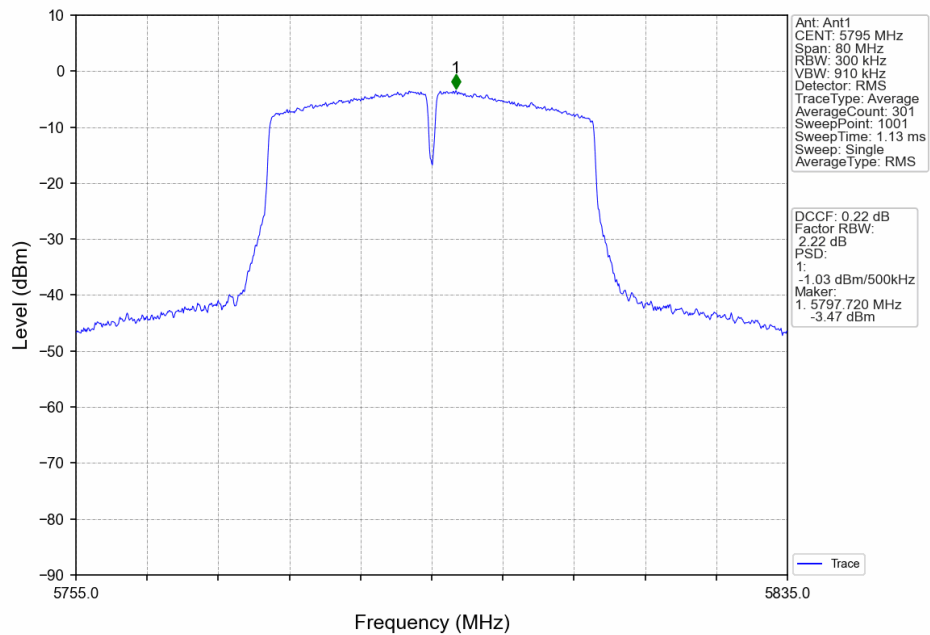


802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

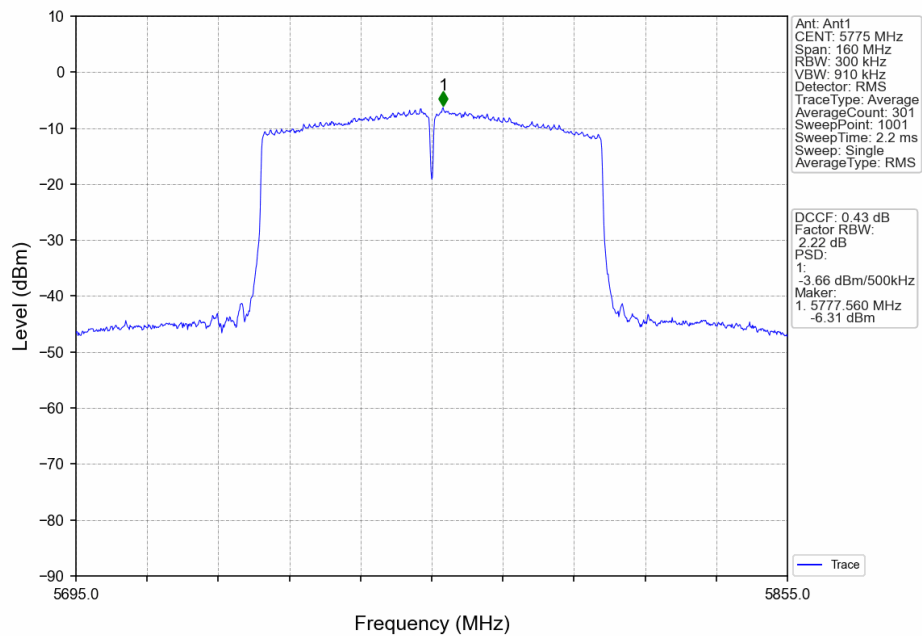




802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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	5179.919	5150 to 5250	Pass
				120	5179.919	5150 to 5250	Pass
				138	5179.919	5150 to 5250	Pass
			-30	120	5179.919	5150 to 5250	Pass
			-20	120	5179.919	5150 to 5250	Pass
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		5200	20	102	5199.917	5150 to 5250	Pass
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				138	5199.917	5150 to 5250	Pass
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			50	120	5199.917	5150 to 5250	Pass
		5240	20	102	5239.916	5150 to 5250	Pass
				120	5239.916	5150 to 5250	Pass
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		5745	20	102	5744.908	5725 to 5850	Pass
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		5785	20	102	5784.907	5725 to 5850	Pass



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		5825	20	102	5824.907	5725 to 5850	Pass
				120	5824.906	5725 to 5850	Pass
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		5190	20	102	5189.917	5150 to 5250	Pass
				120	5189.917	5150 to 5250	Pass
				138	5189.917	5150 to 5250	Pass
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			40	120	5189.917	5150 to 5250	Pass
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		5230	20	102	5229.916	5150 to 5250	Pass
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				120	5794.907	5725 to 5850	Pass
				138	5794.907	5725 to 5850	Pass
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				138	5209.917	5150 to 5250	Pass
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