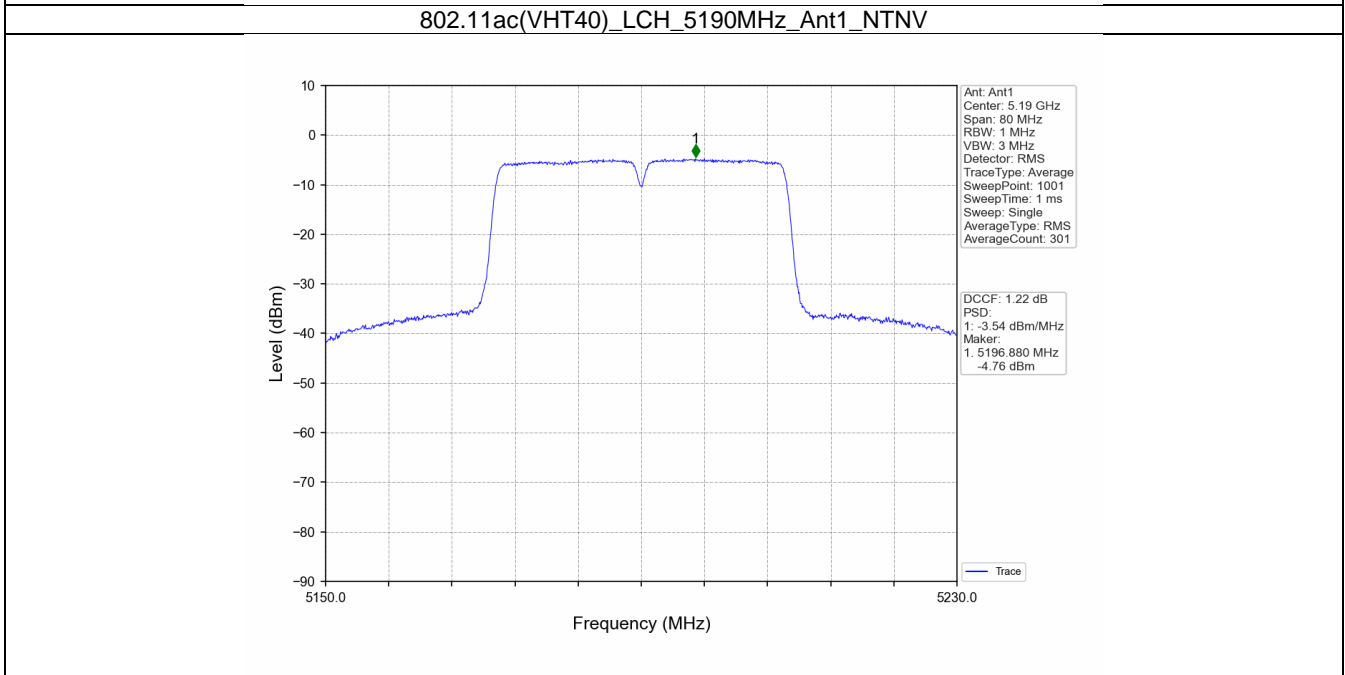
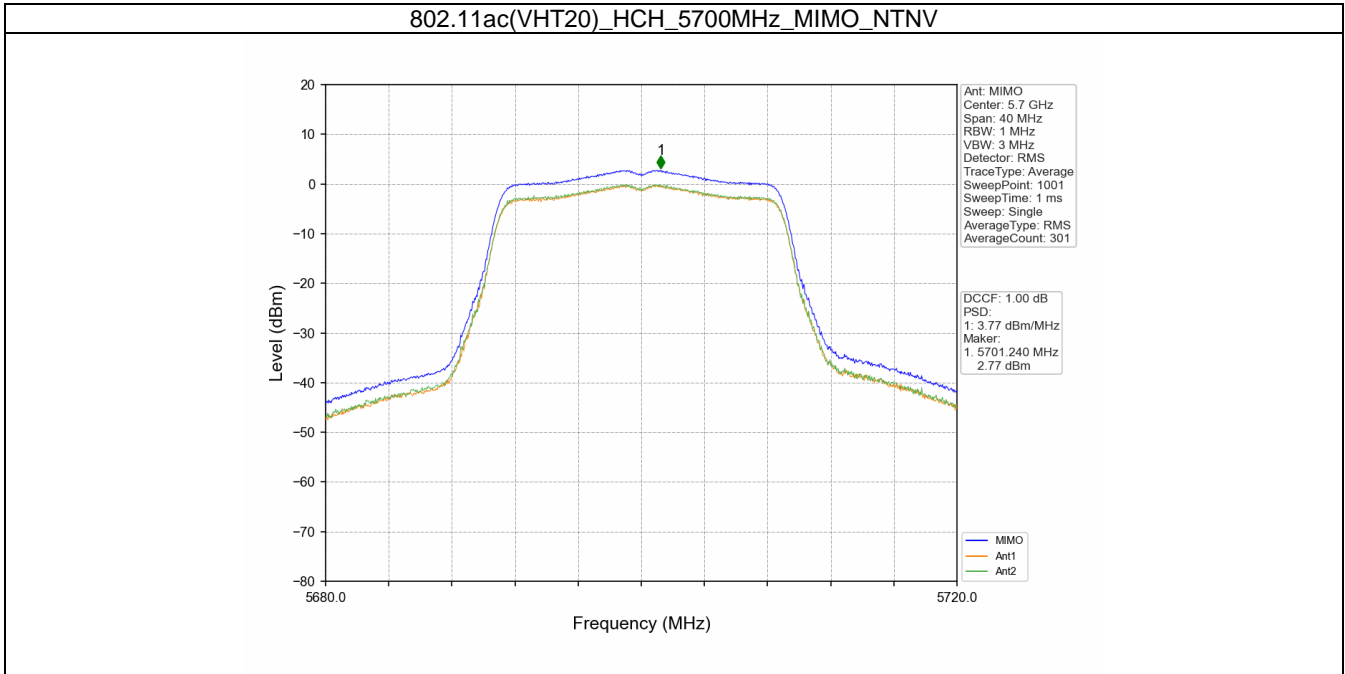


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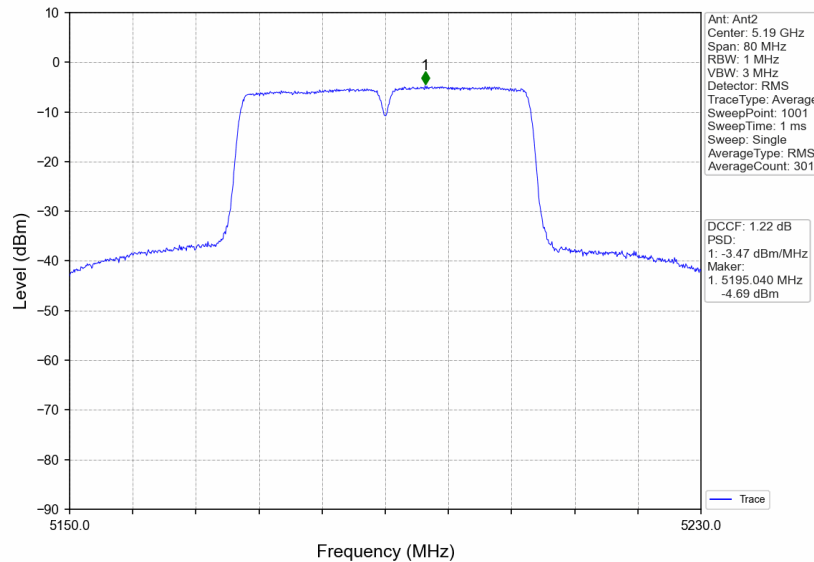
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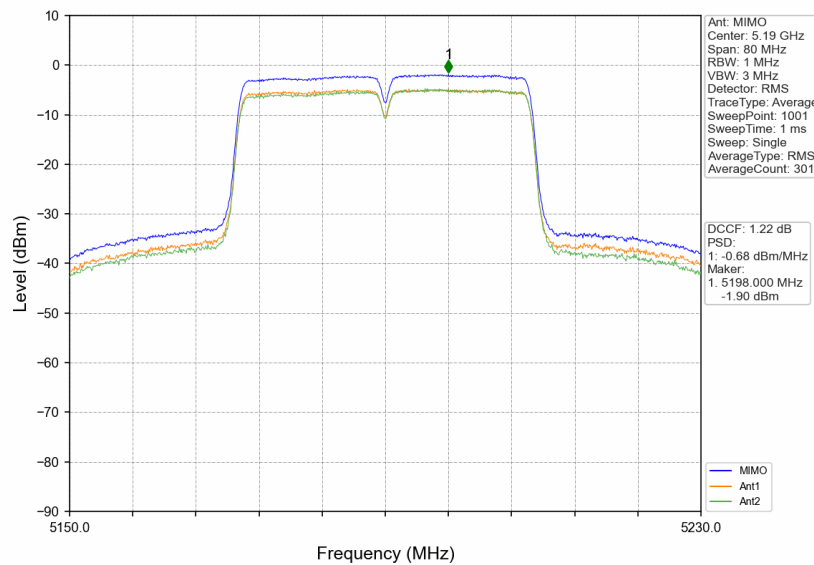
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV



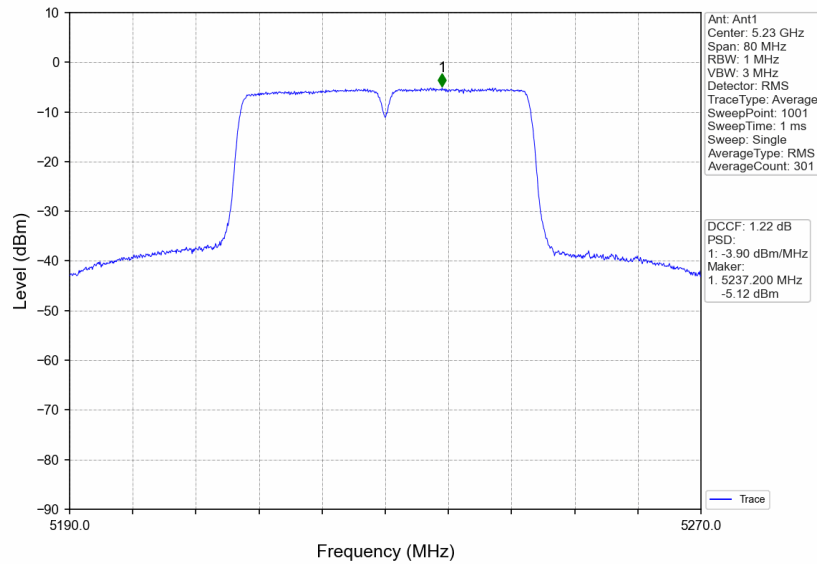
802.11ac(VHT40)\_LCH\_5190MHz\_MIMO\_NTNV



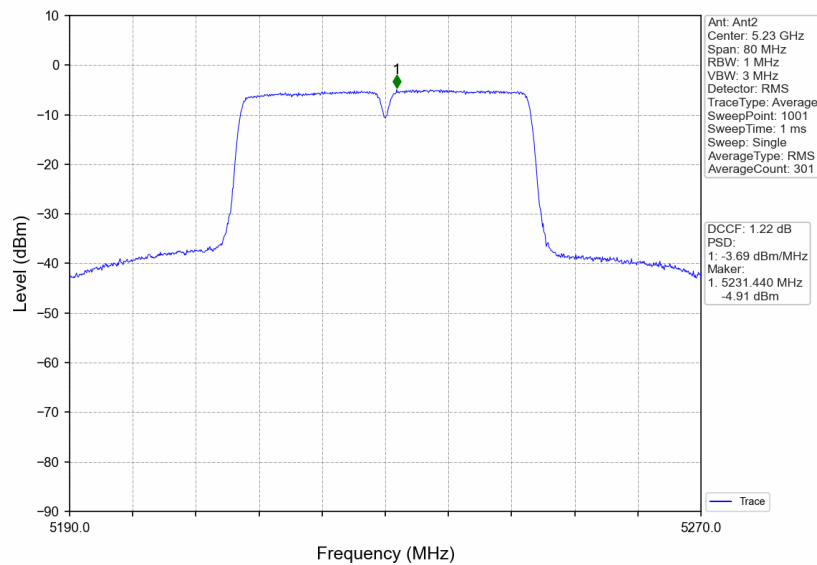
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV

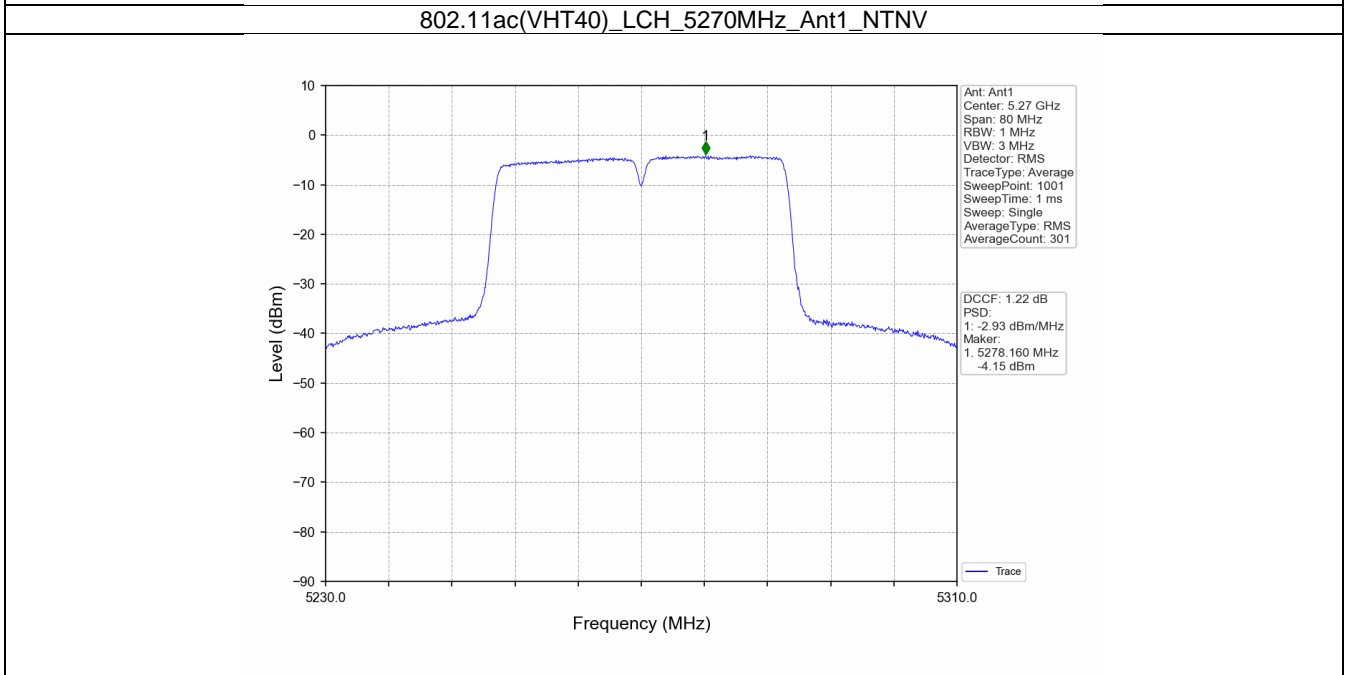
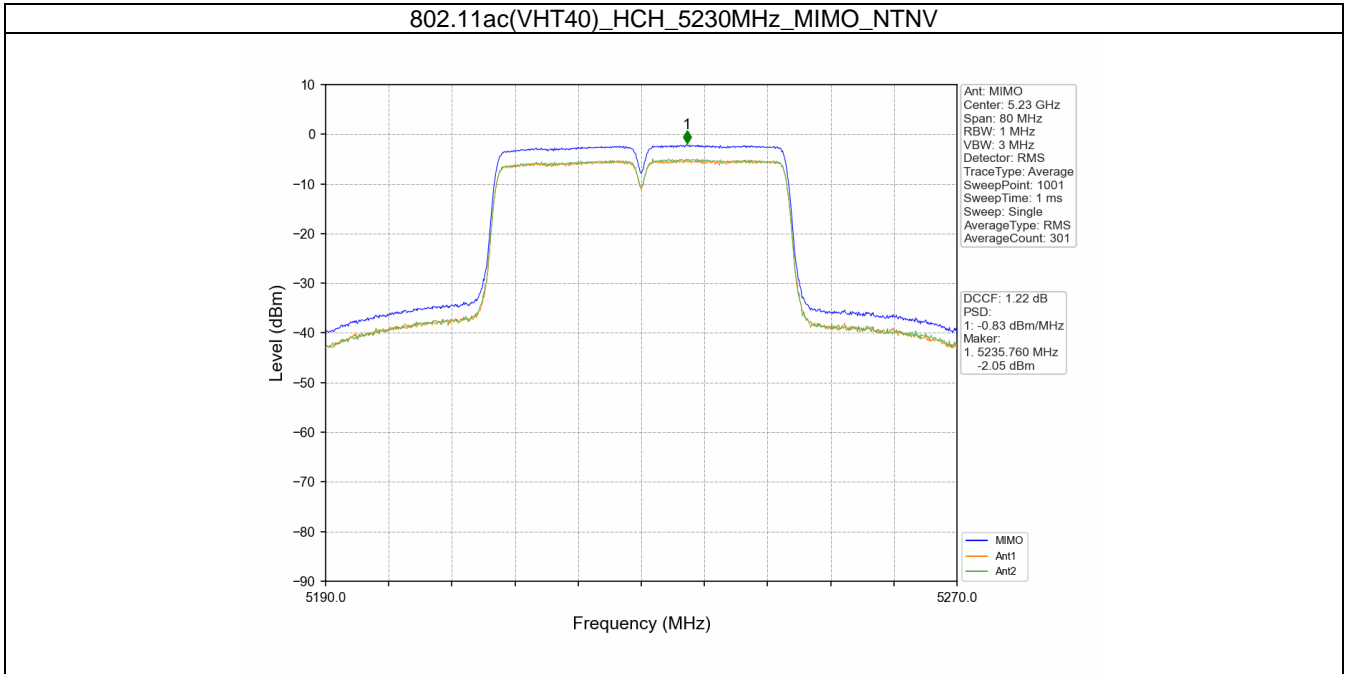


802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV



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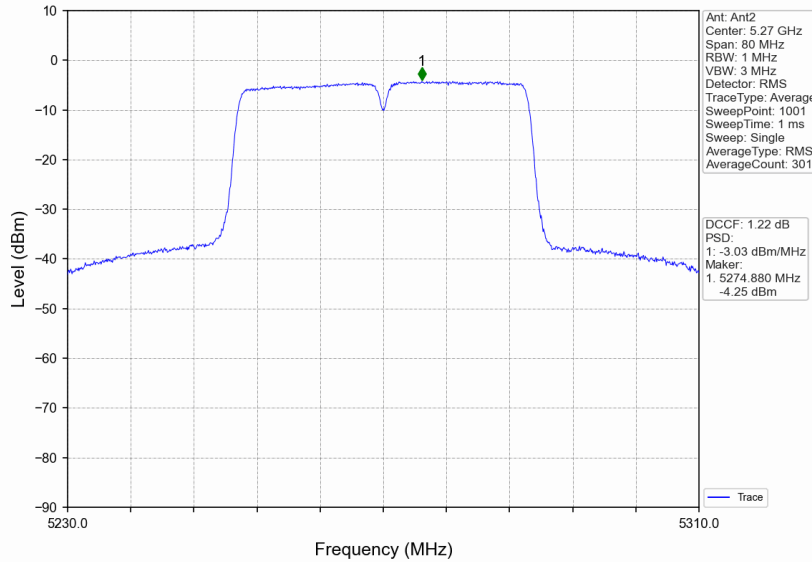
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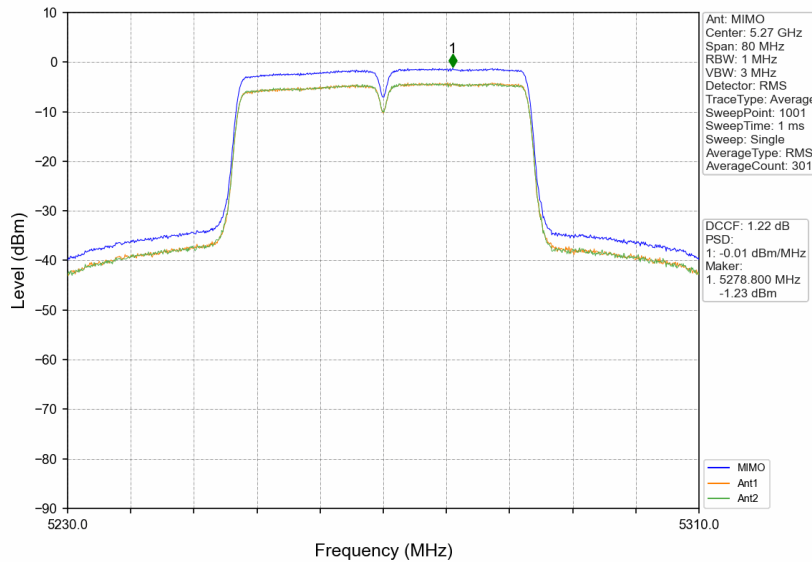
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802.11ac(VHT40)\_LCH\_5270MHz\_Ant2\_NTNV



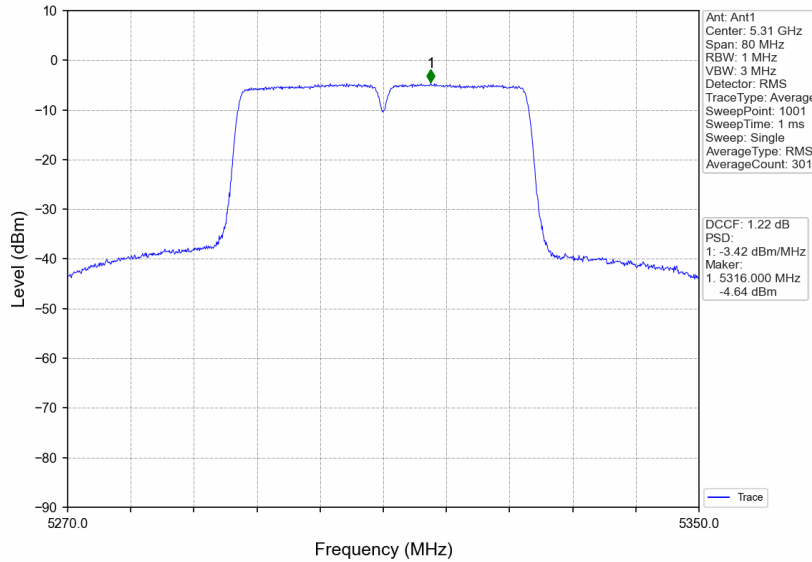
802.11ac(VHT40)\_LCH\_5270MHz\_MIMO\_NTNV



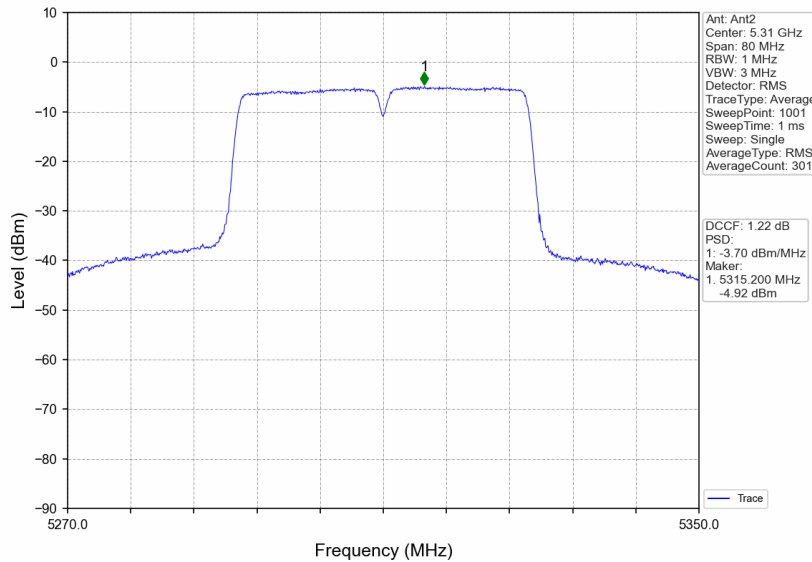
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802.11ac(VHT40)\_HCH\_5310MHz\_Ant1\_NTNV



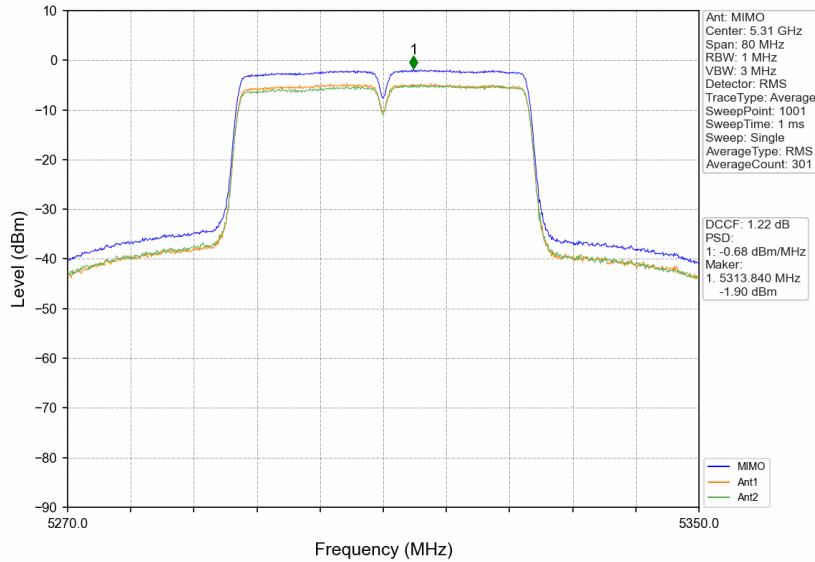
802.11ac(VHT40)\_HCH\_5310MHz\_Ant2\_NTNV



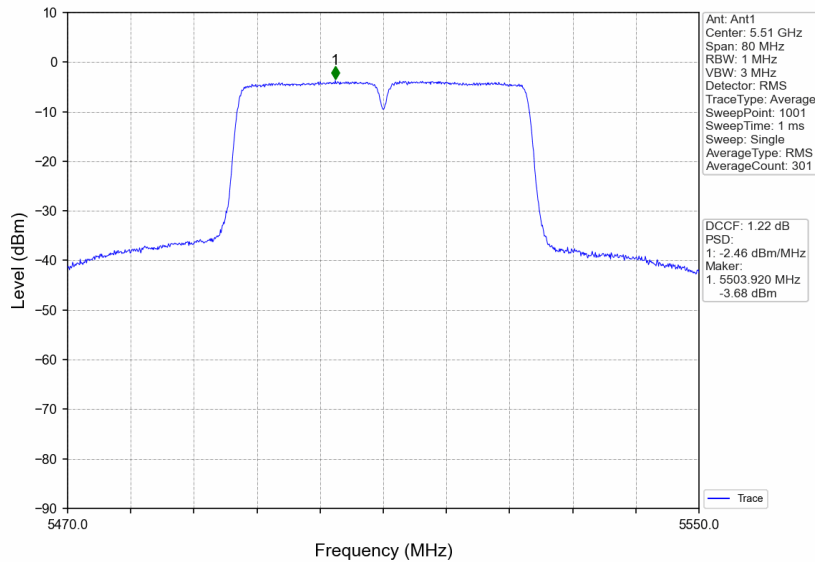
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802.11ac(VHT40)\_HCH\_5310MHz\_MIMO\_NTNV



802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV

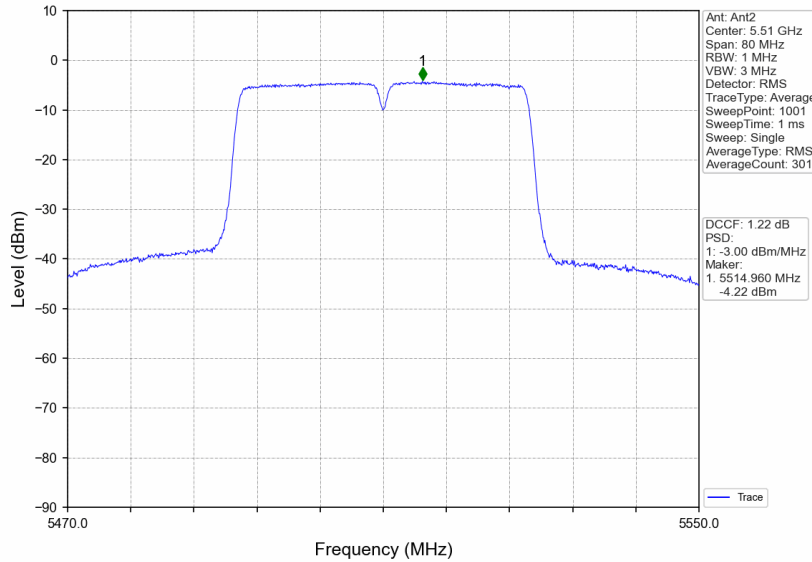


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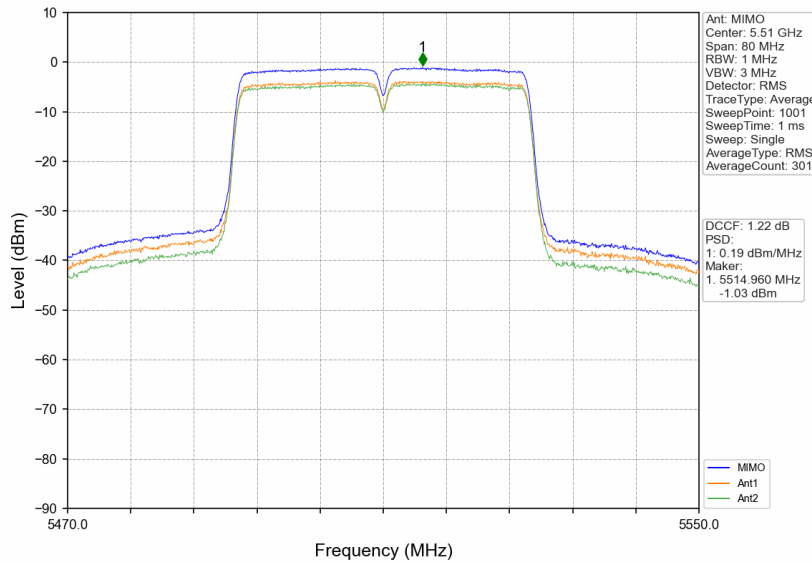
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802.11ac(VHT40)\_LCH\_5510MHz\_Ant2\_NTNV



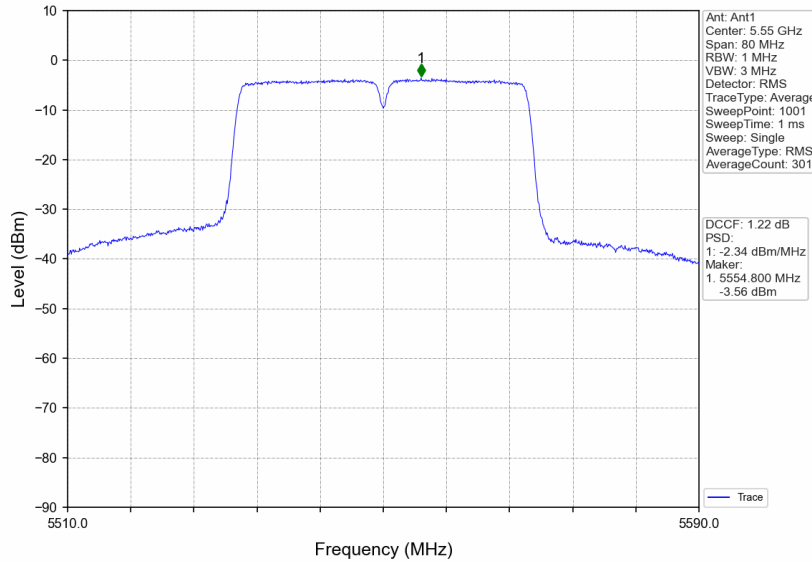
802.11ac(VHT40)\_LCH\_5510MHz\_MIMO\_NTNV



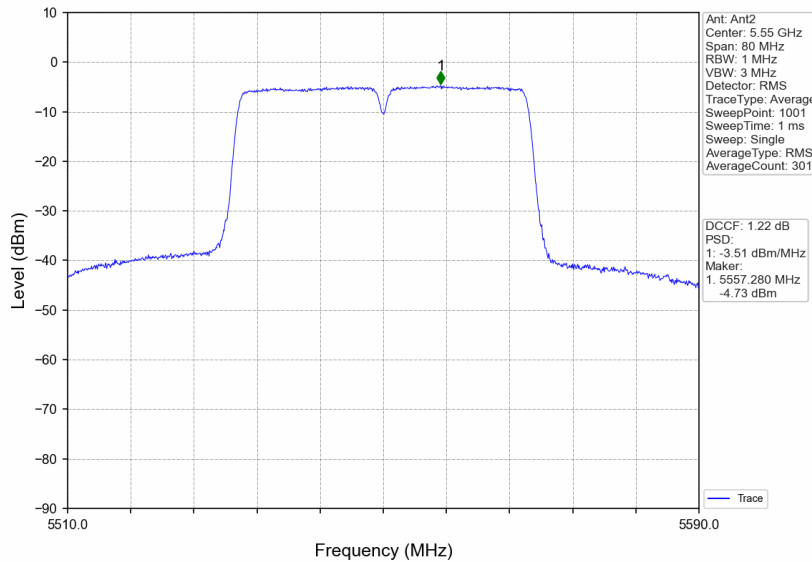
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802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



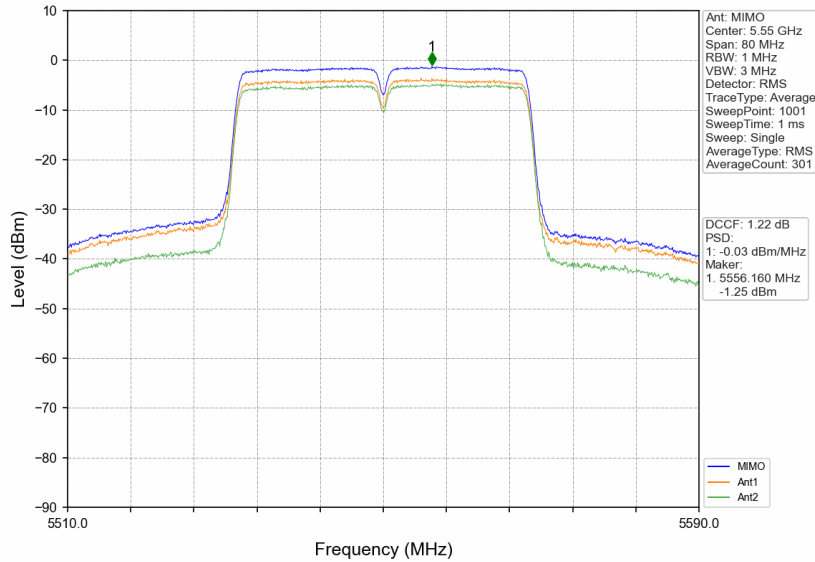
802.11ac(VHT40)\_MCH\_5550MHz\_Ant2\_NTNV



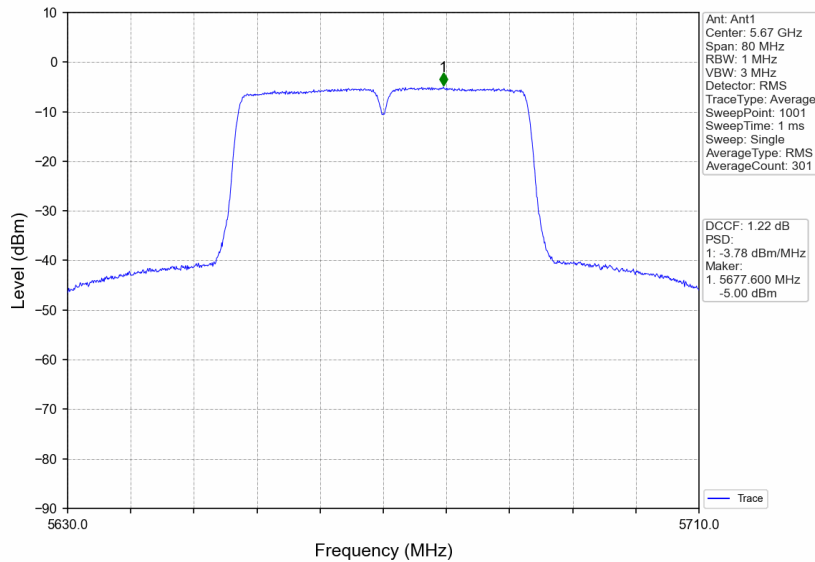
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802.11ac(VHT40)\_MCH\_5550MHz\_MIMO\_NTNV

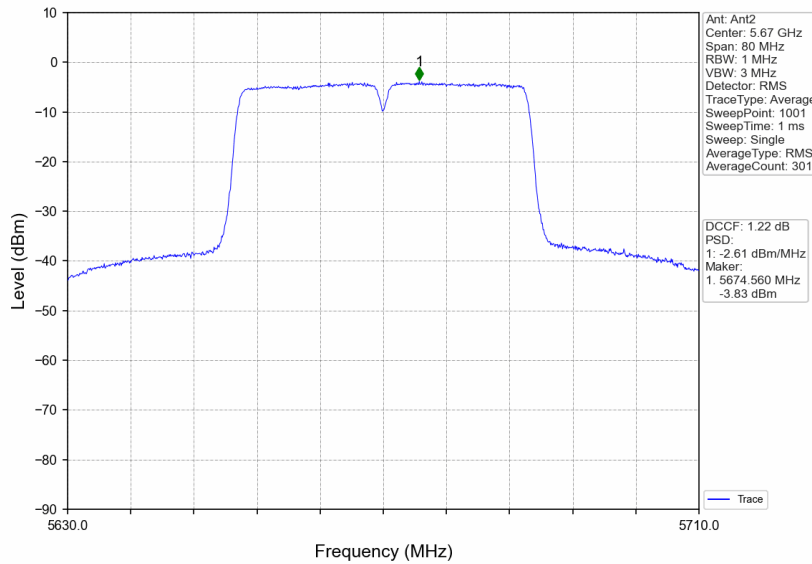


802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV

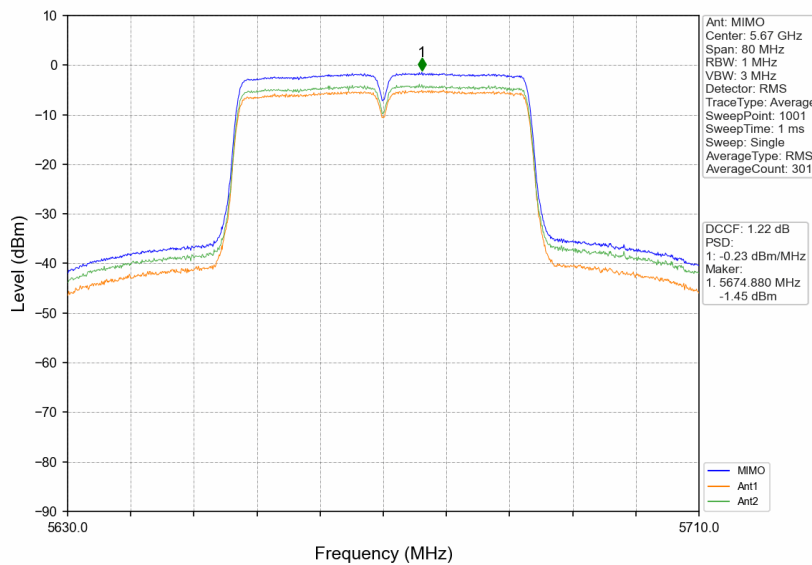


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802.11ac(VHT40)\_HCH\_5670MHz\_Ant2\_NTNV

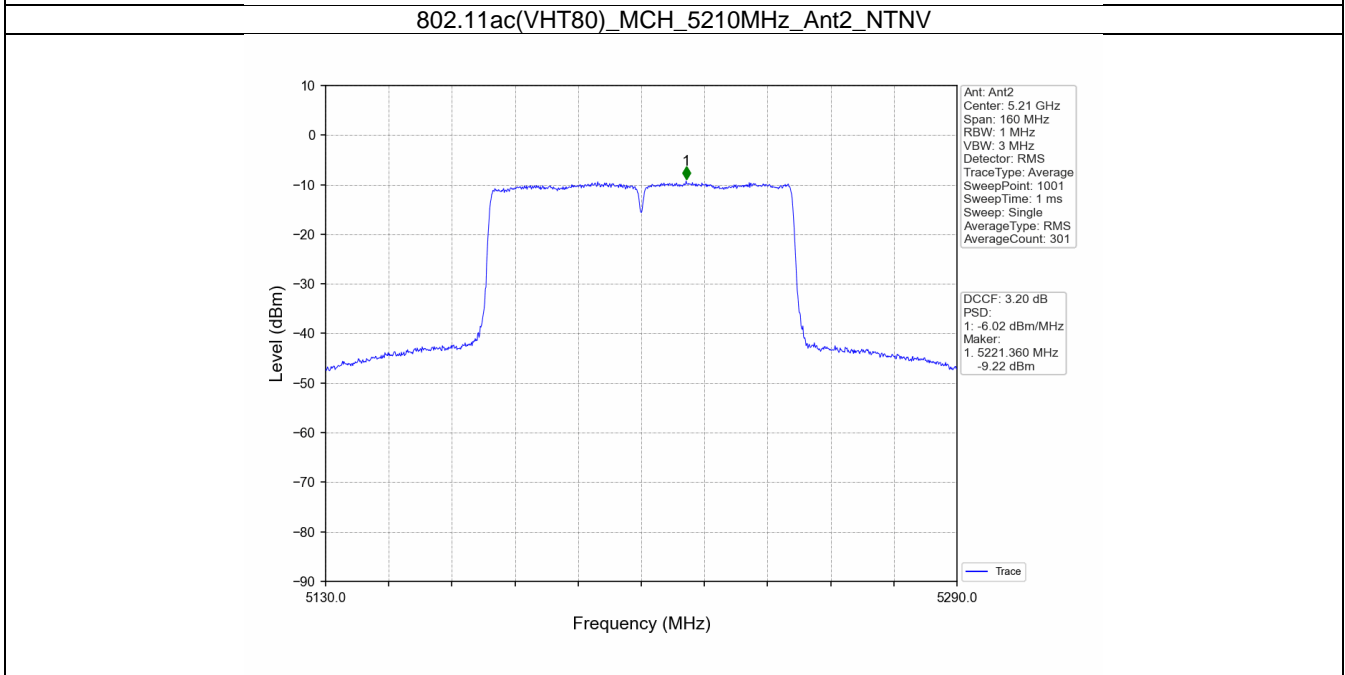
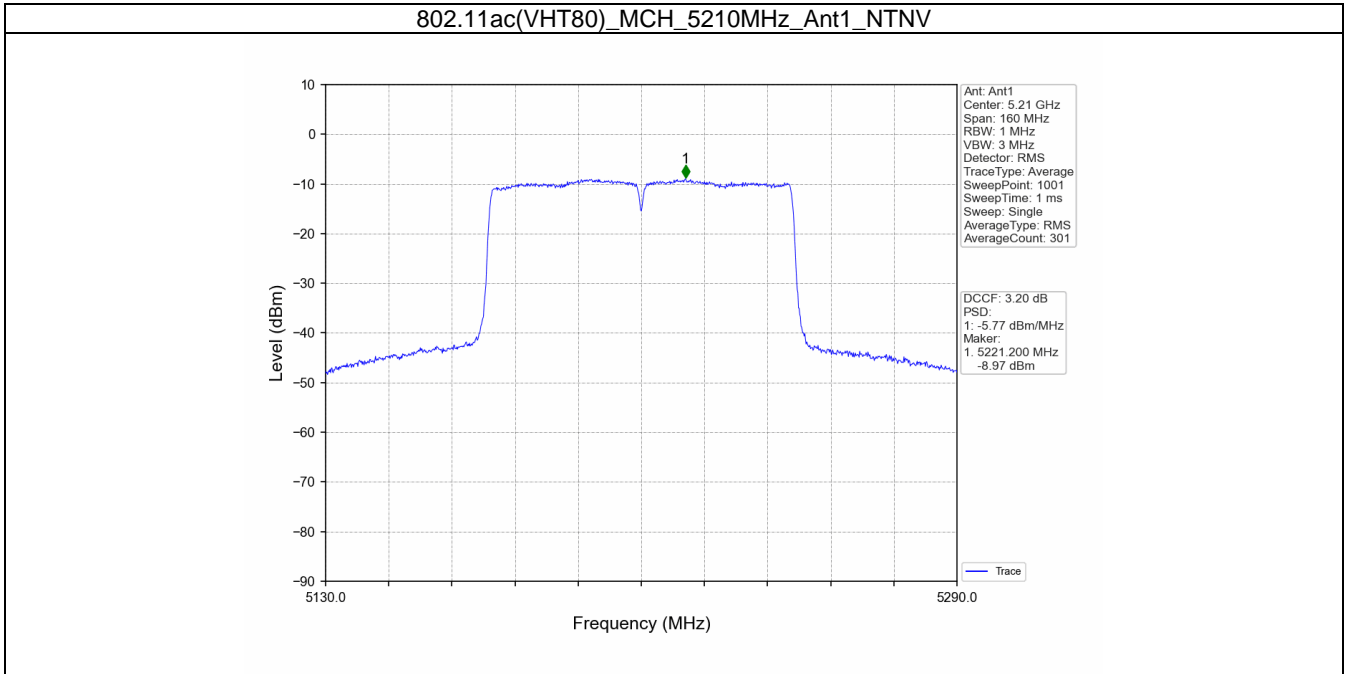


802.11ac(VHT40)\_HCH\_5670MHz\_MIMO\_NTNV



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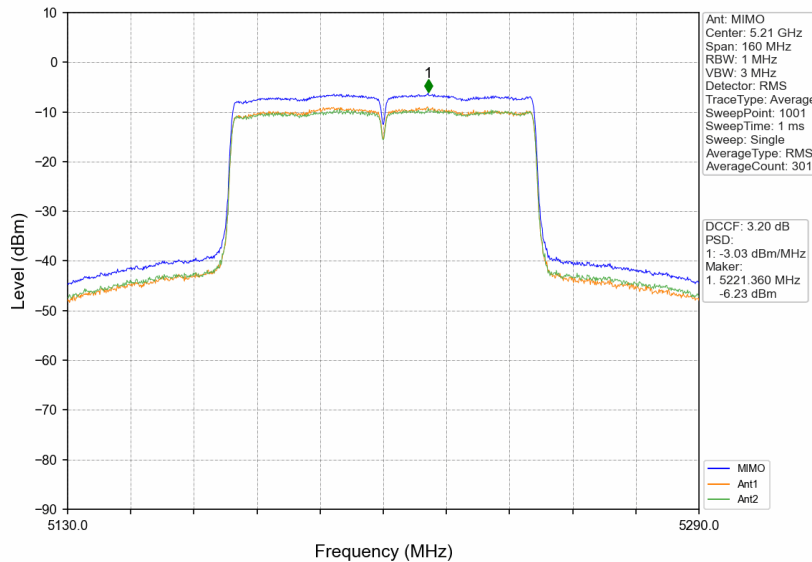
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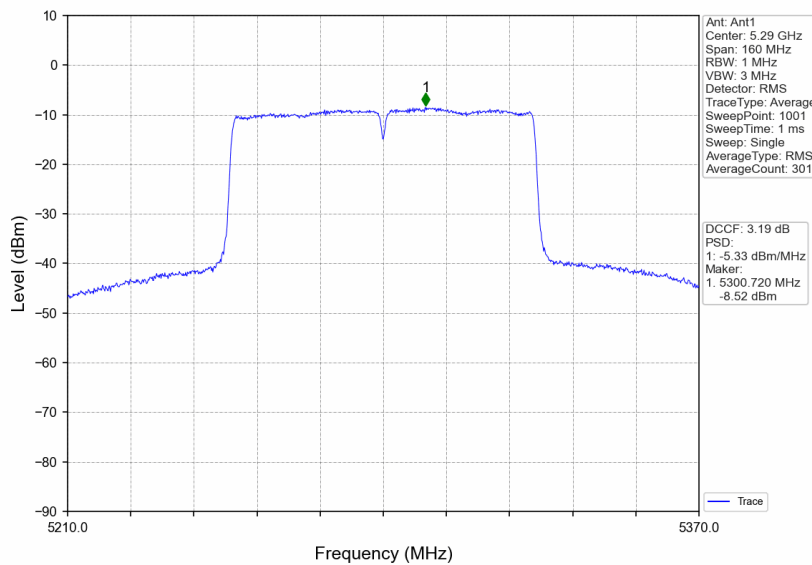
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802.11ac(VHT80)\_MCH\_5210MHz\_MIMO\_NTNV

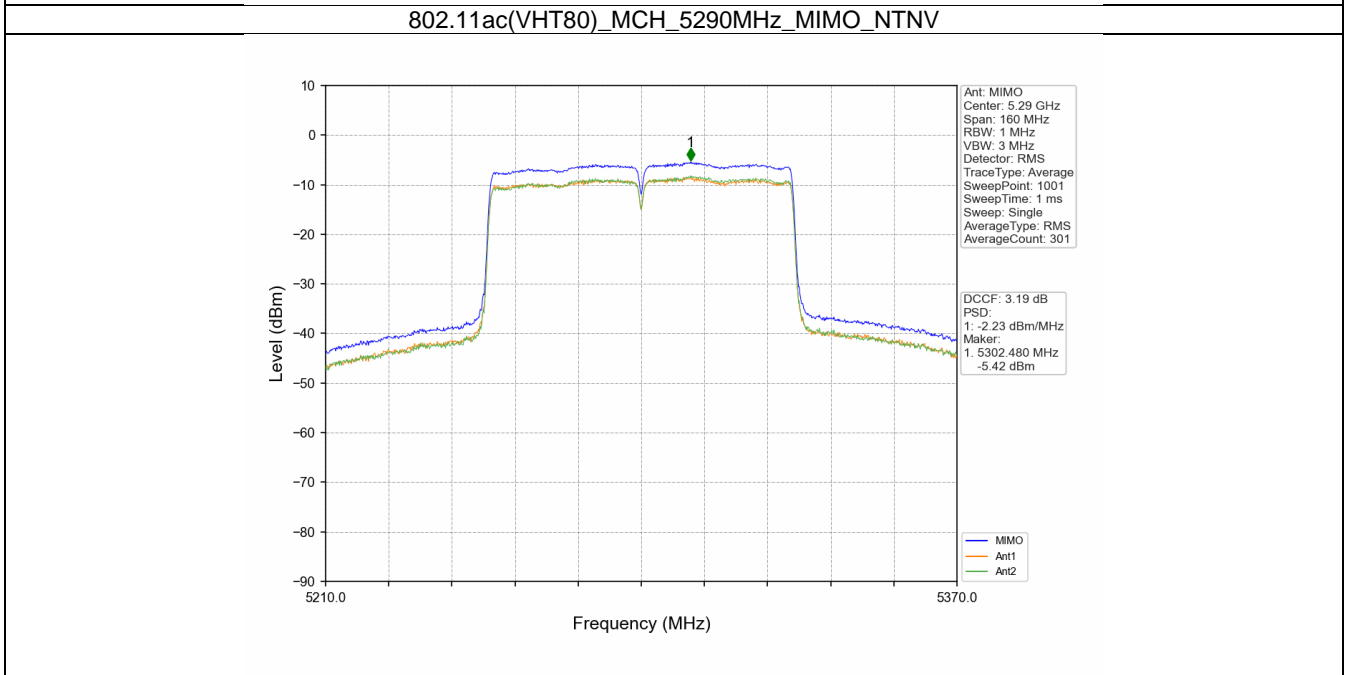
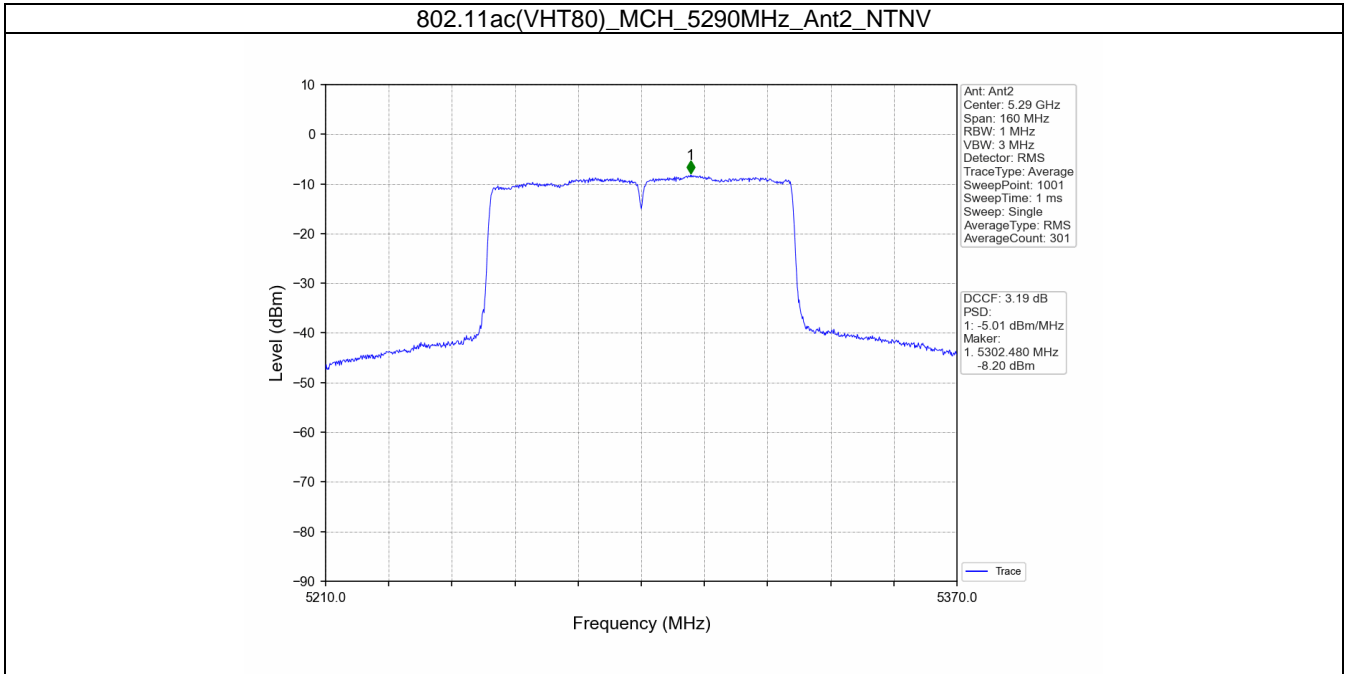


802.11ac(VHT80)\_MCH\_5290MHz\_Ant1\_NTNV



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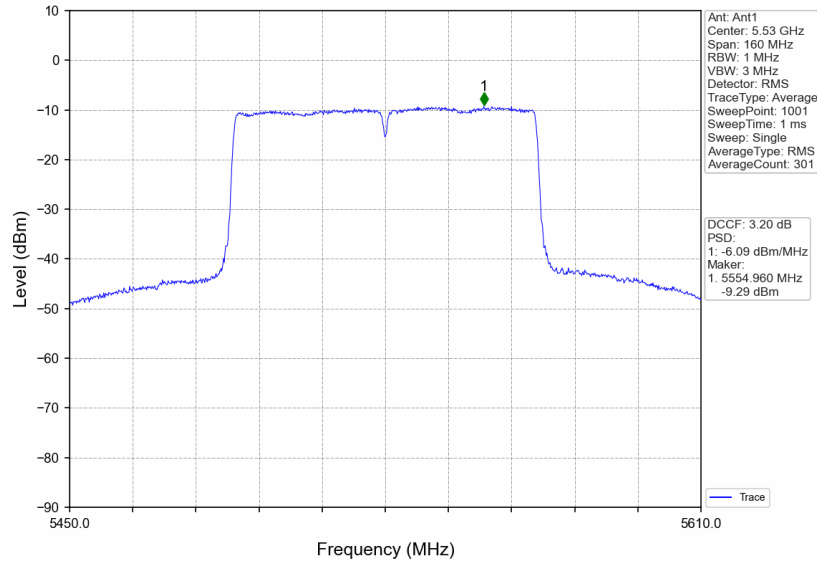
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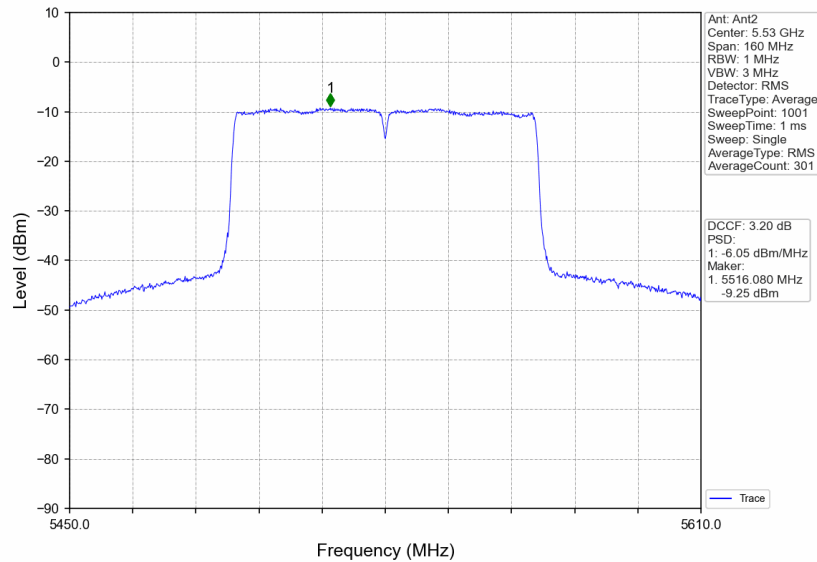
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802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



802.11ac(VHT80)\_LCH\_5530MHz\_Ant2\_NTNV

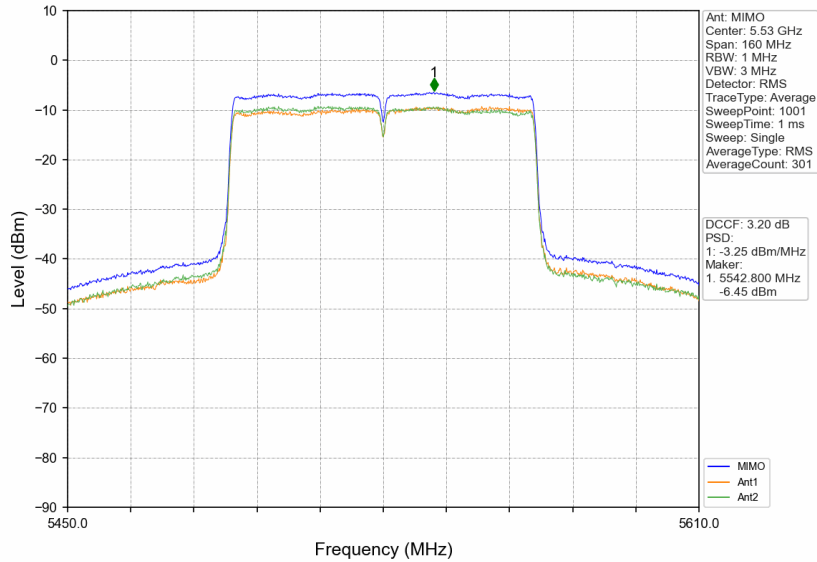


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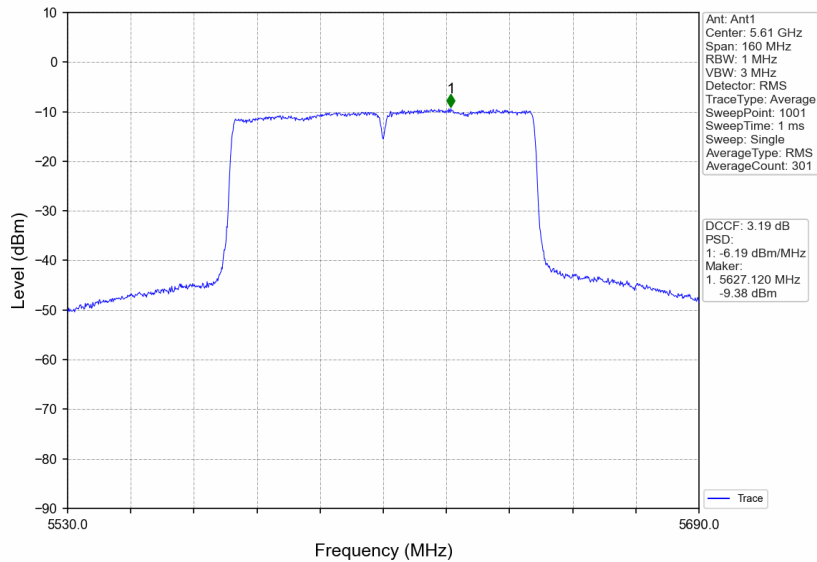
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802.11ac(VHT80)\_LCH\_5530MHz\_MIMO\_NTNV



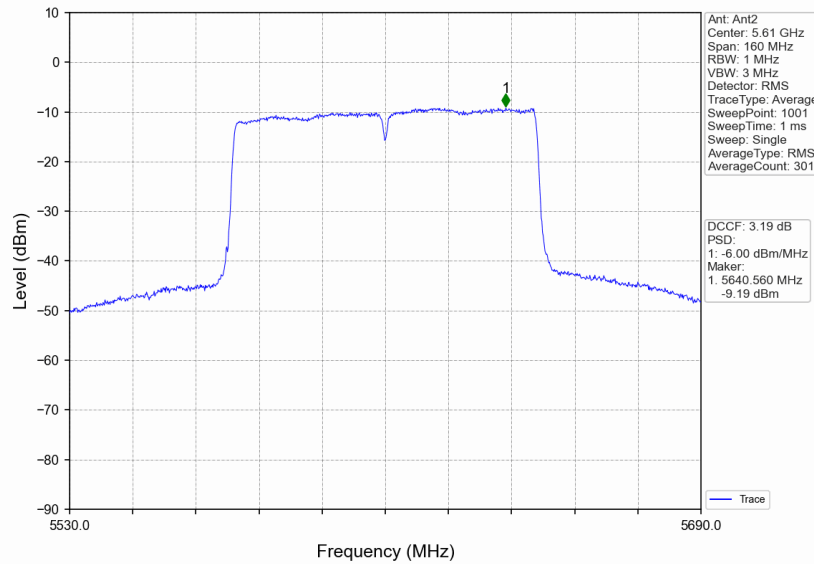
802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNV



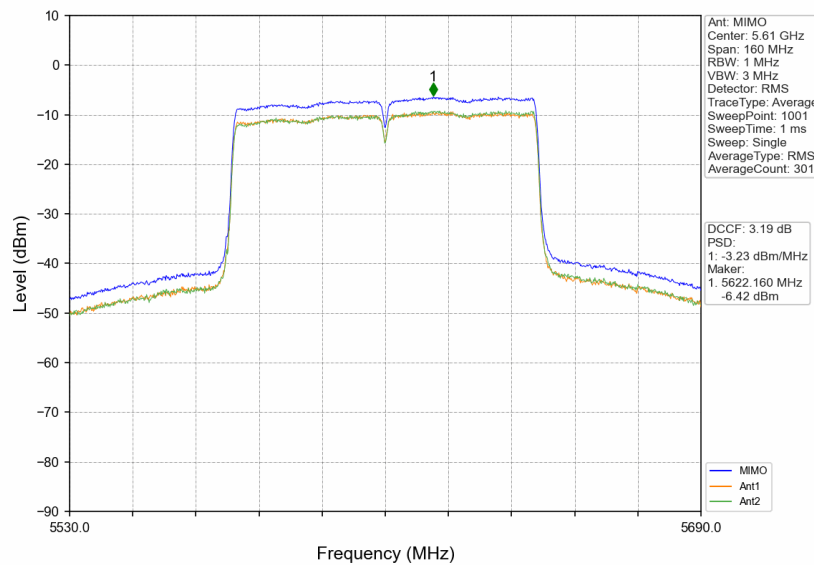
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802.11ac(VHT80)\_HCH\_5610MHz\_Ant2\_NTNV



802.11ac(VHT80)\_HCH\_5610MHz\_MIMO\_NTNV



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4.2 PSD-Band3

4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)					Verdict
			Ant1	Ant2	MIMO	Limit		
						Ant 1	Ant 2	
802.11a	SISO	5745	1.14	1.26	/	<=30	<=29.19	Pass
		5785	1.03	0.99	/	<=30	<=29.19	Pass
		5825	1.14	1.07	/	<=30	<=29.19	Pass
802.11n (HT20)	MIMO	5745	-1.91	-1.67	1.07	<=27.08		Pass
		5785	-1.29	-1.46	1.54	<=27.08		Pass
		5825	-1.26	-1.04	1.81	<=27.08		Pass
802.11n (HT40)	MIMO	5755	-4.15	-4.92	-1.51	<=27.08		Pass
		5795	-5.10	-5.10	-2.09	<=27.08		Pass
802.11ac (VHT20)	MIMO	5745	-1.80	-1.96	1.02	<=27.08		Pass
		5785	-2.52	-1.32	1.05	<=27.08		Pass
		5825	-1.74	-1.48	1.29	<=27.08		Pass
802.11ac (VHT40)	MIMO	5755	-6.06	-6.00	-3.17	<=27.08		Pass
		5795	-6.12	-6.09	-3.16	<=27.08		Pass
802.11ac (VHT80)	MIMO	5775	-8.64	-8.28	-5.81	<=27.08		Pass

Note1: Antenna Gain: Ant1: 4.91dBi; Ant2: 6.81dBi;  
 Note2: Directional Gain: 8.92dBi

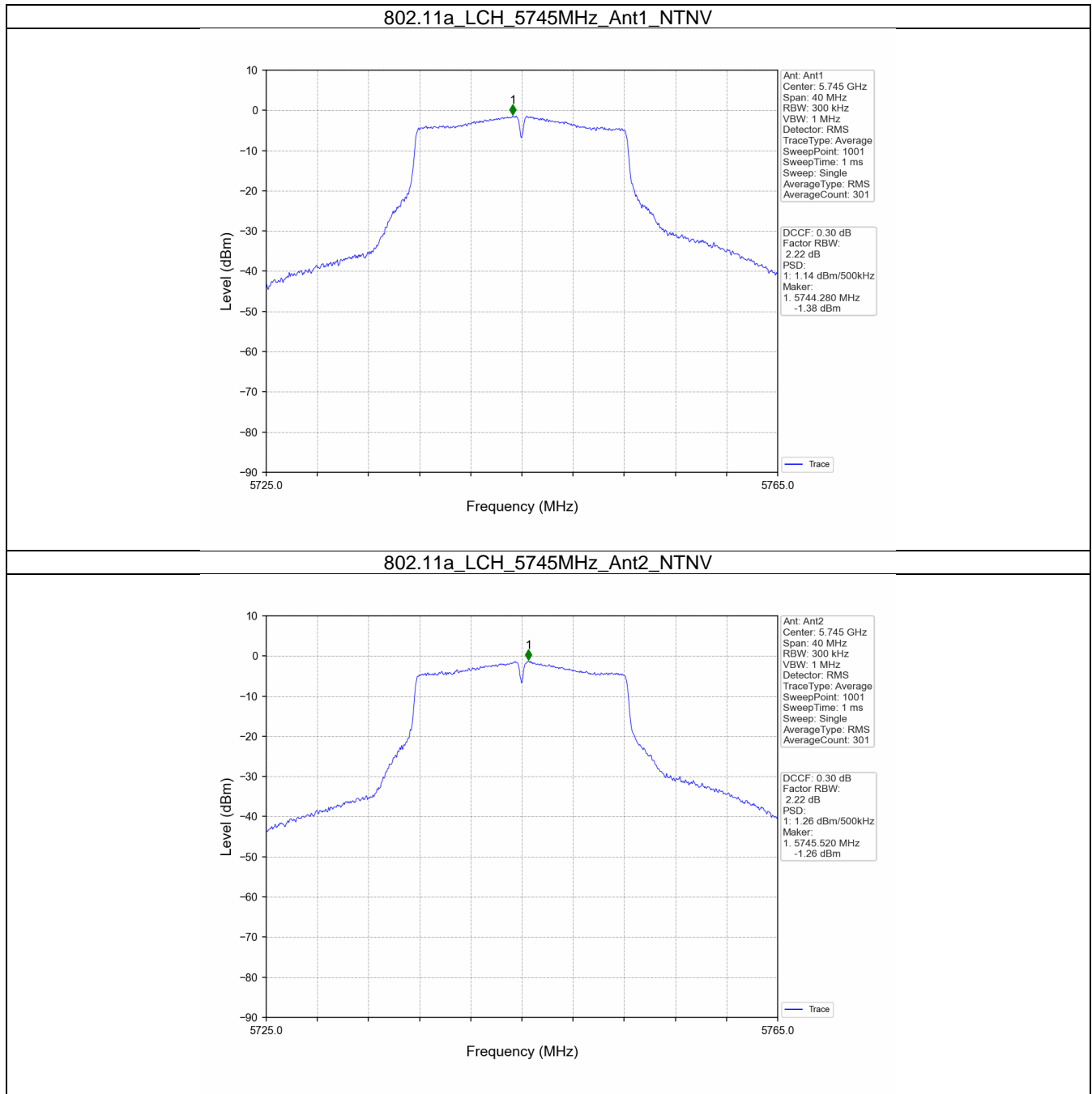


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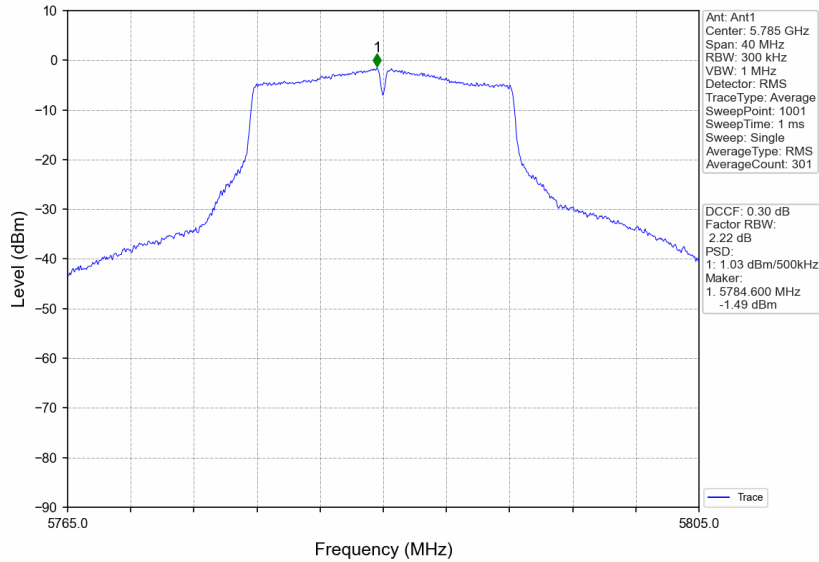
4.2.2 Test Graph



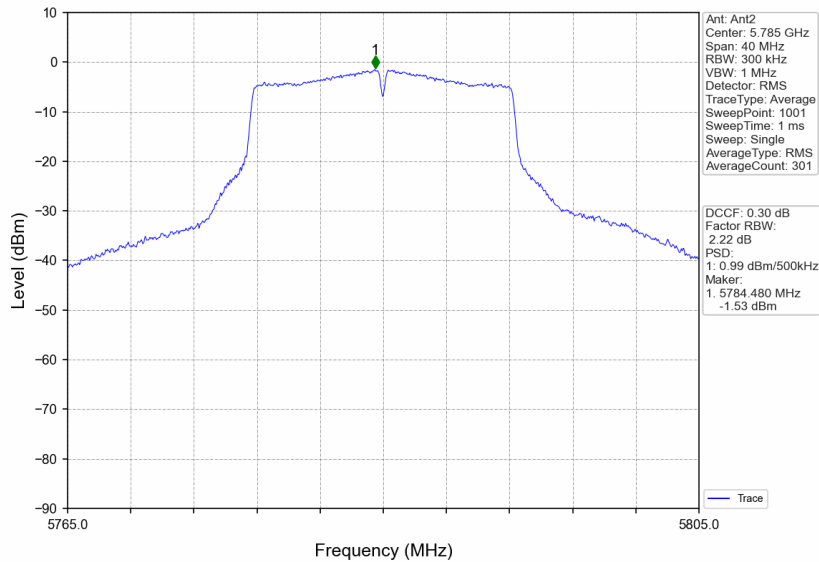
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



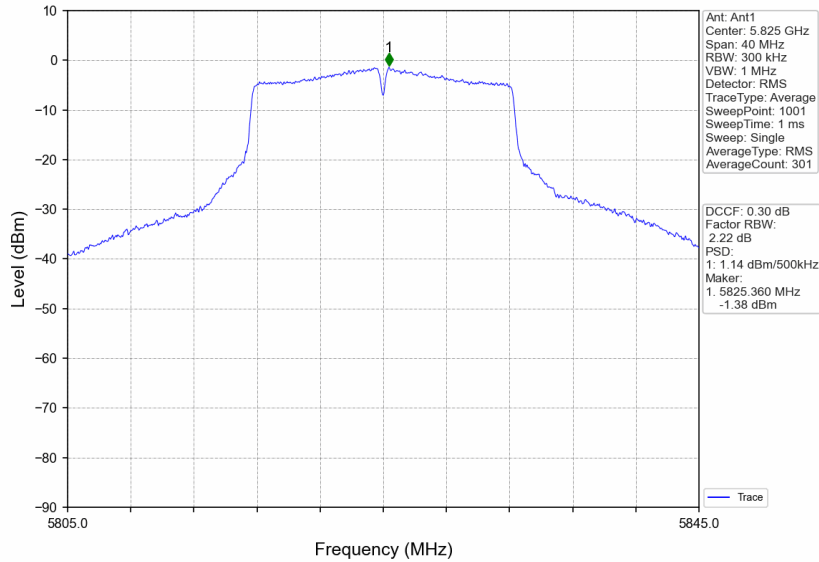
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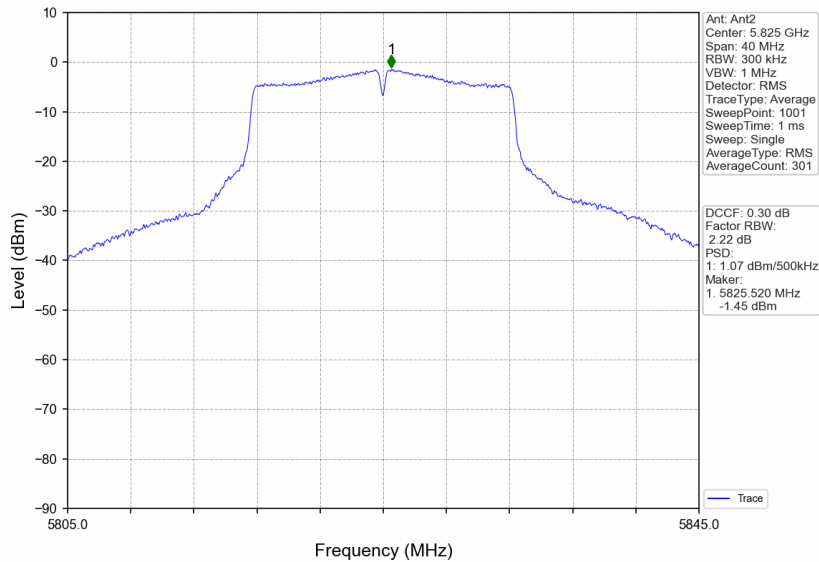
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802.11a\_HCH\_5825MHz\_Ant1\_NTNV



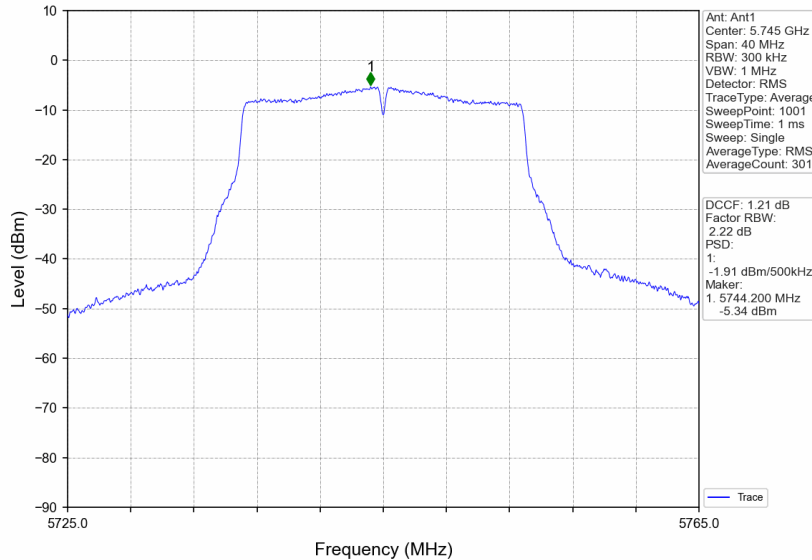
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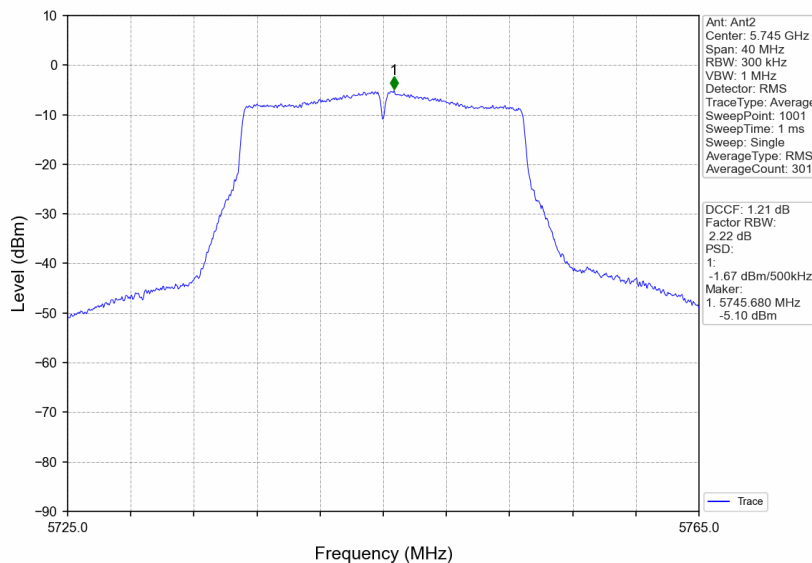
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802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



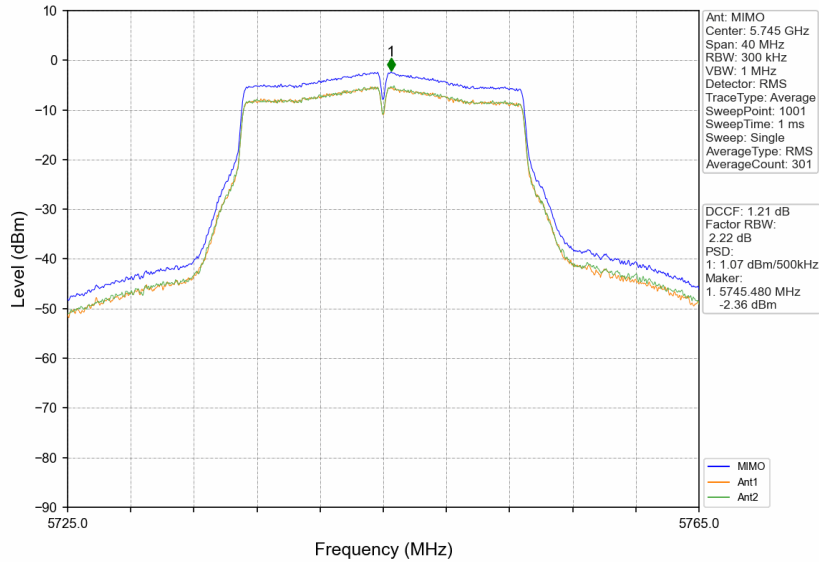
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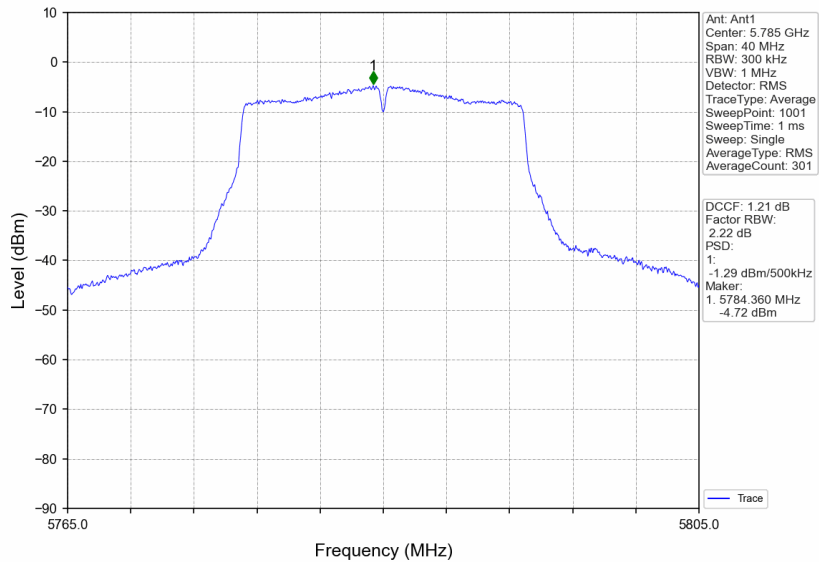
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802.11n(HT20)\_LCH\_5745MHz\_MIMO\_NTNV



802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV

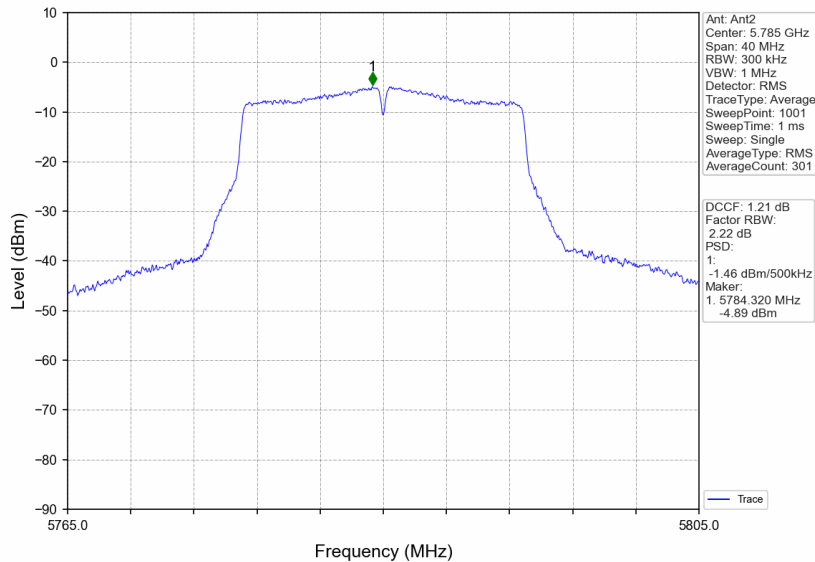


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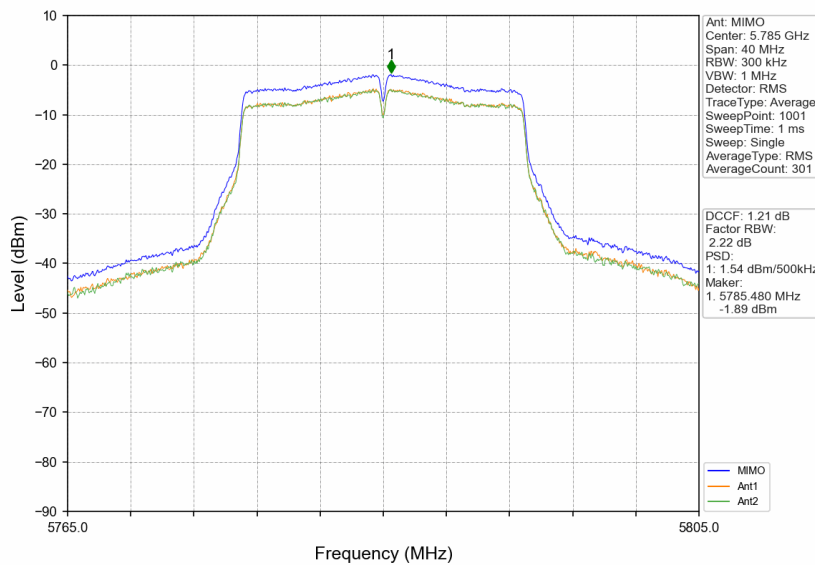
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802.11n(HT20)\_MCH\_5785MHz\_Ant2\_NTNV



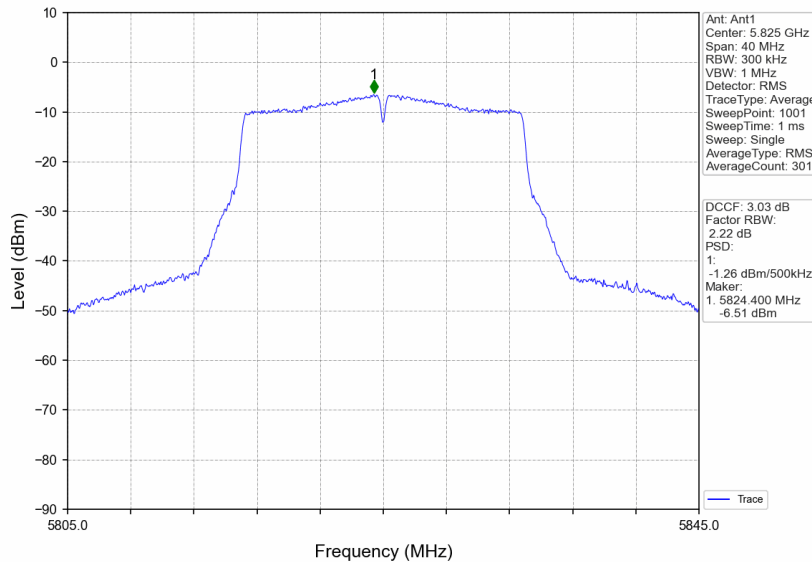
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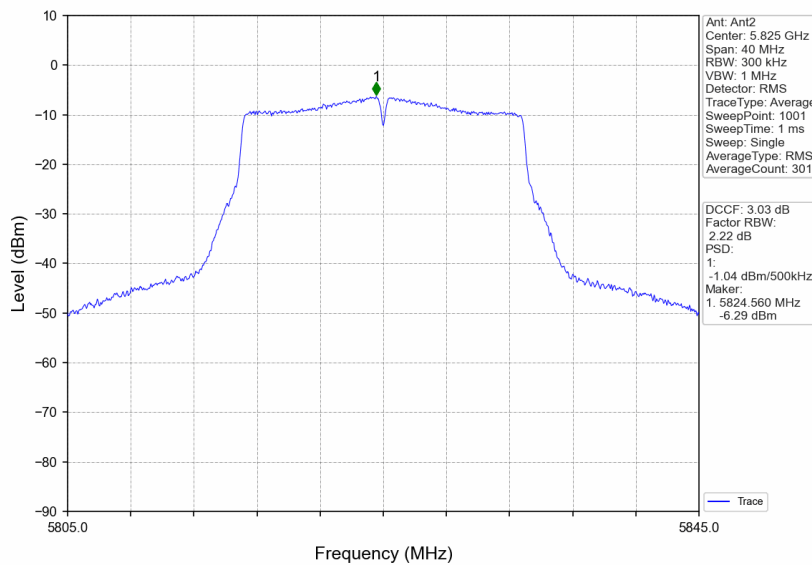
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802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



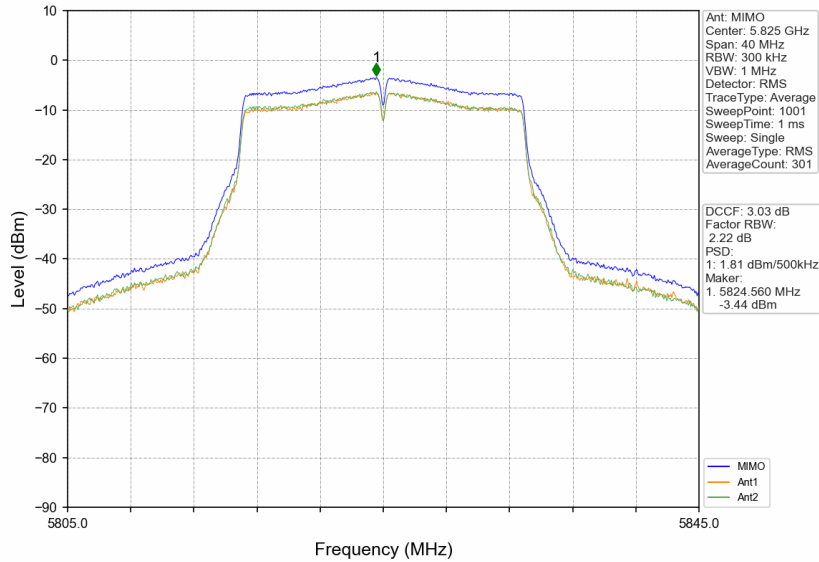
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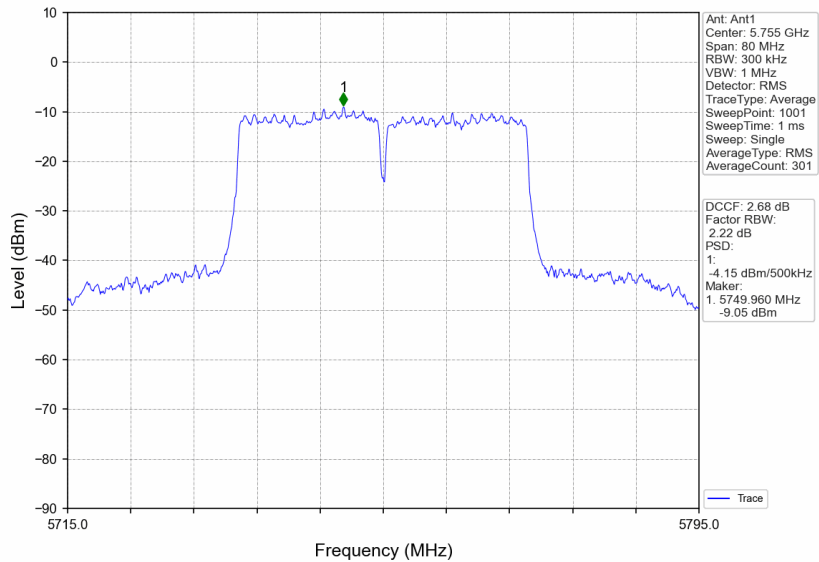
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802.11n(HT20)\_HCH\_5825MHz\_MIMO\_NTNV



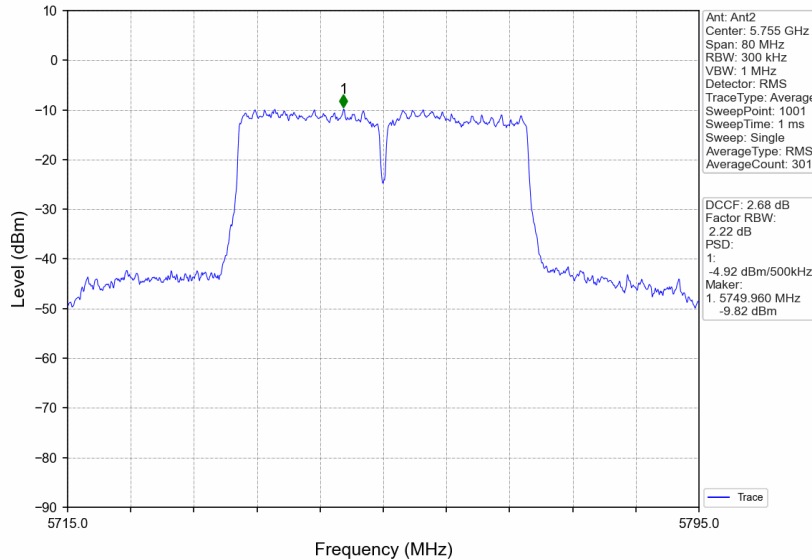
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



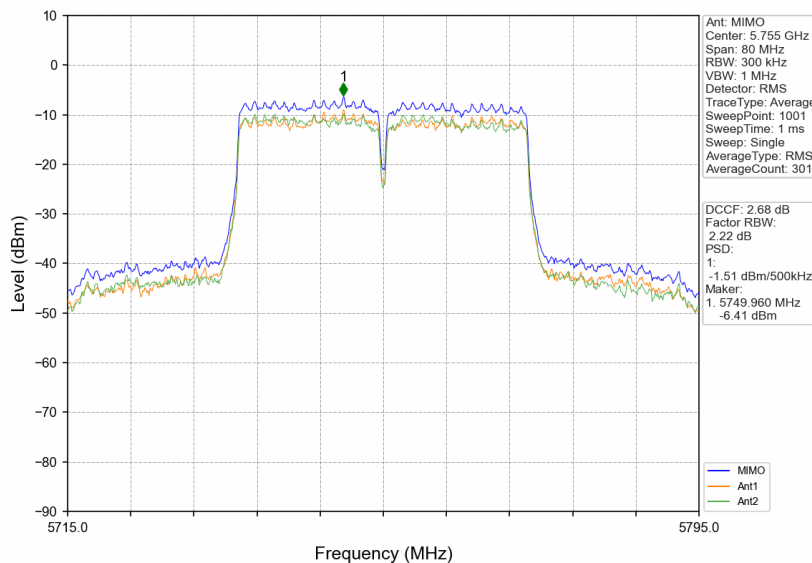
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802.11n(HT40)\_LCH\_5755MHz\_Ant2\_NTNV



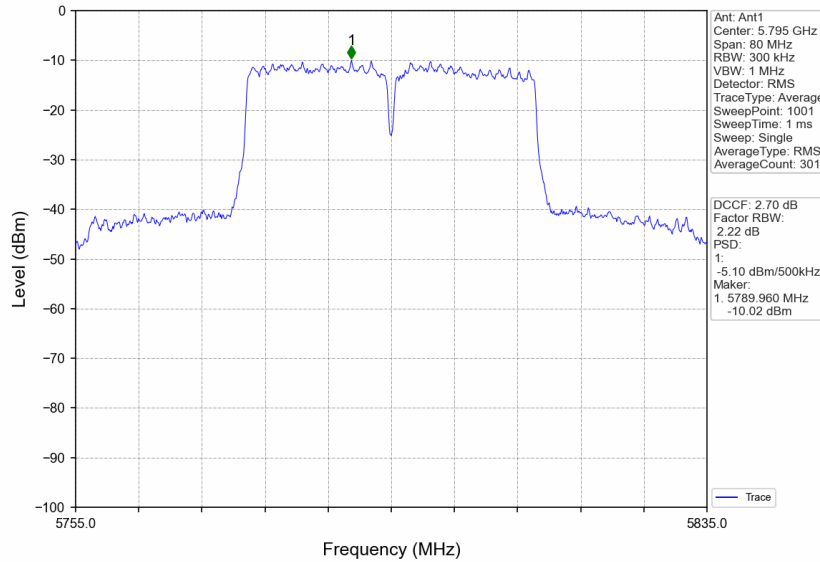
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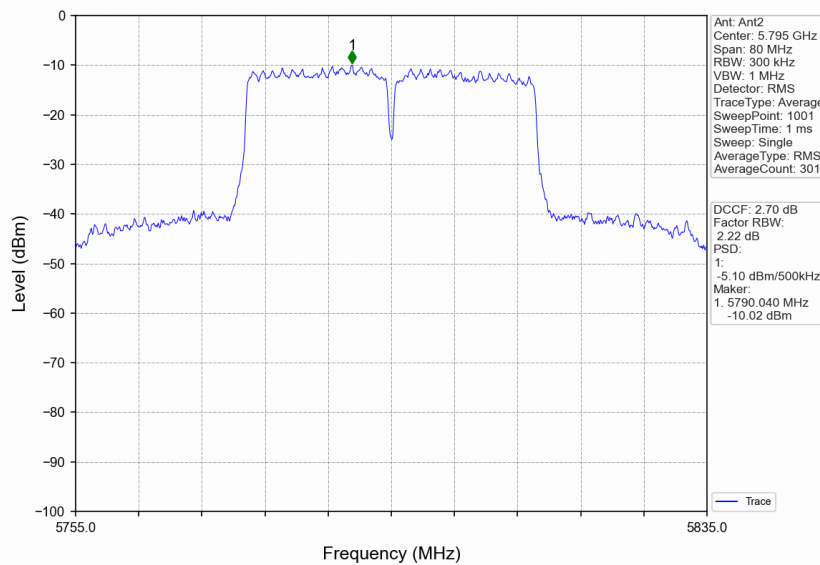
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802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



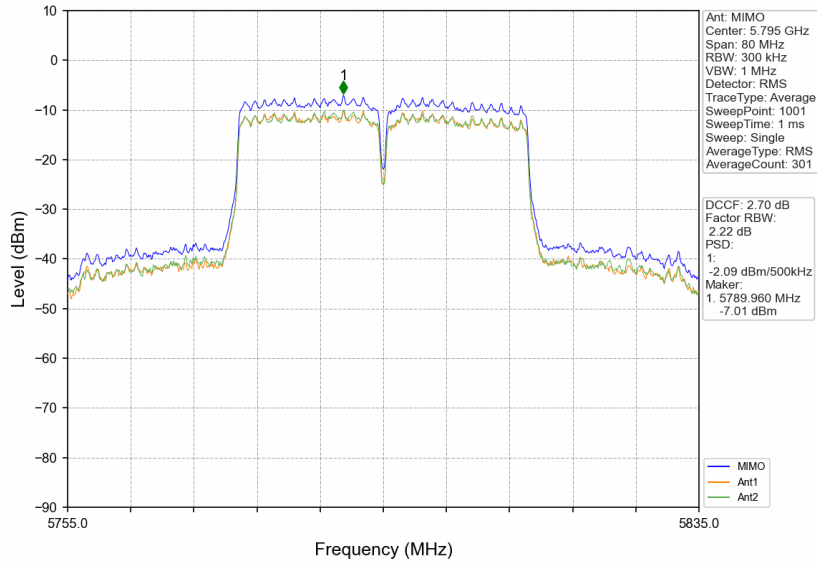
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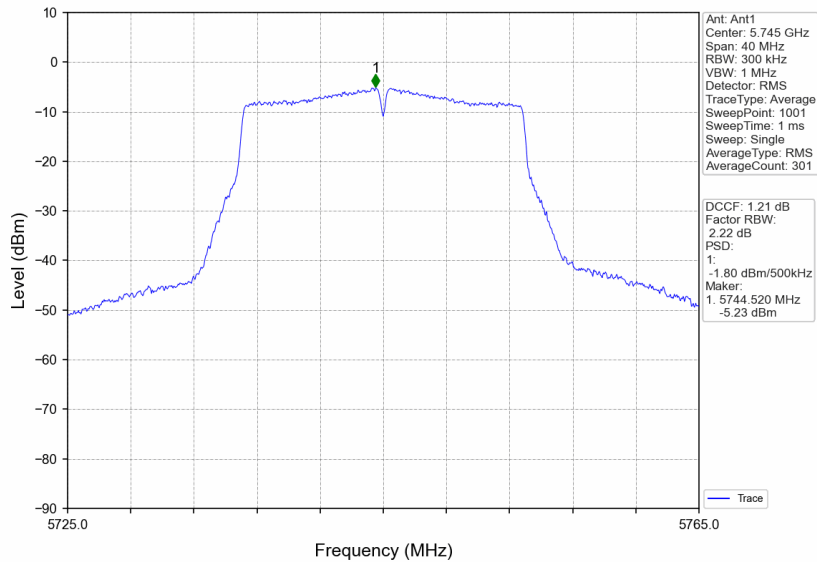
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802.11n(HT40)\_HCH\_5795MHz\_MIMO\_NTNV



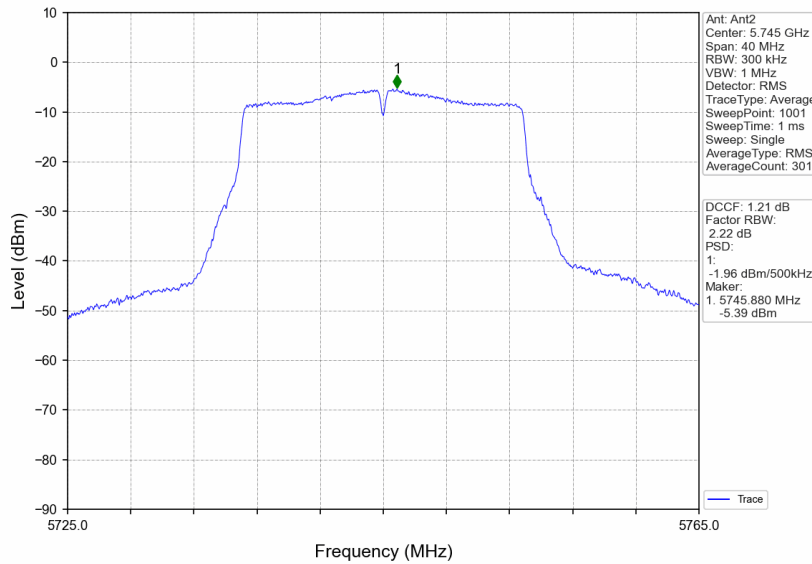
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



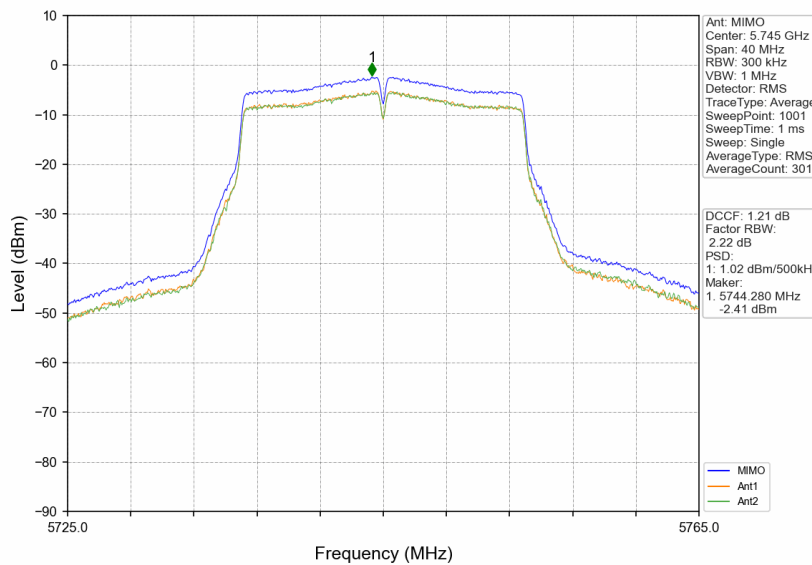
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802.11ac(VHT20)\_LCH\_5745MHz\_Ant2\_NTNV



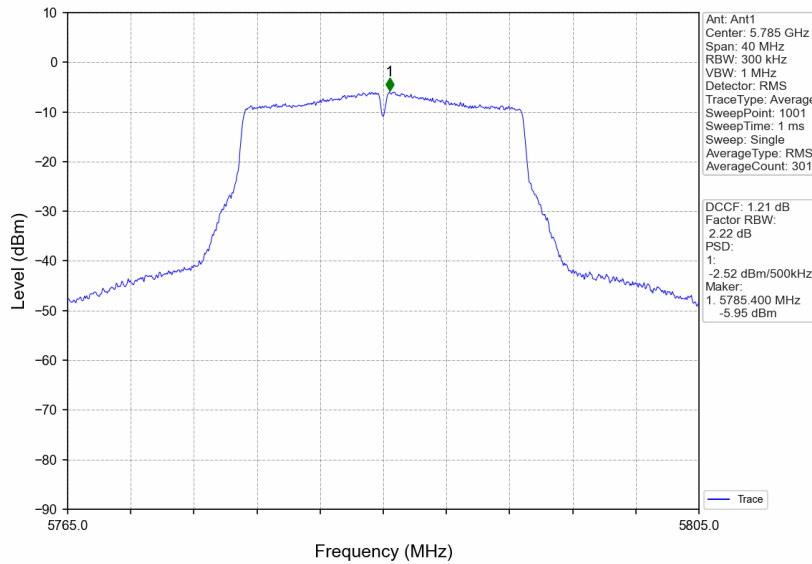
802.11ac(VHT20)\_LCH\_5745MHz\_MIMO\_NTNV



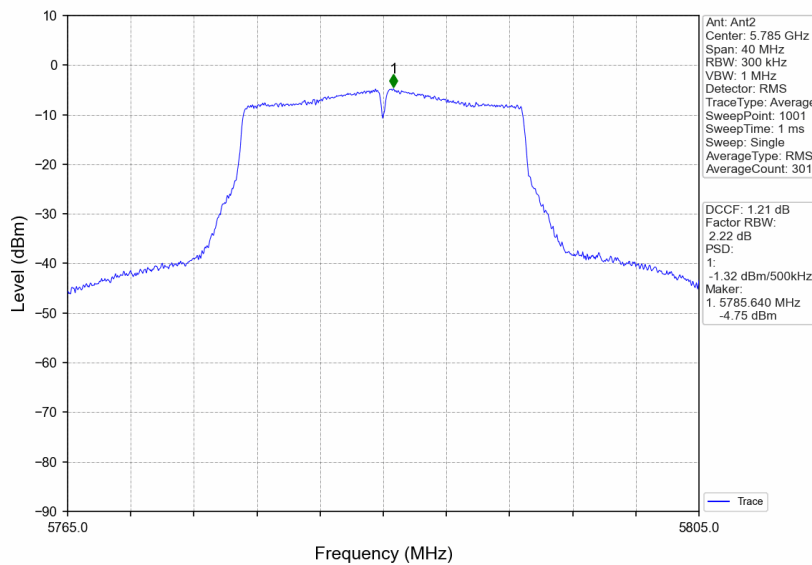
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802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV

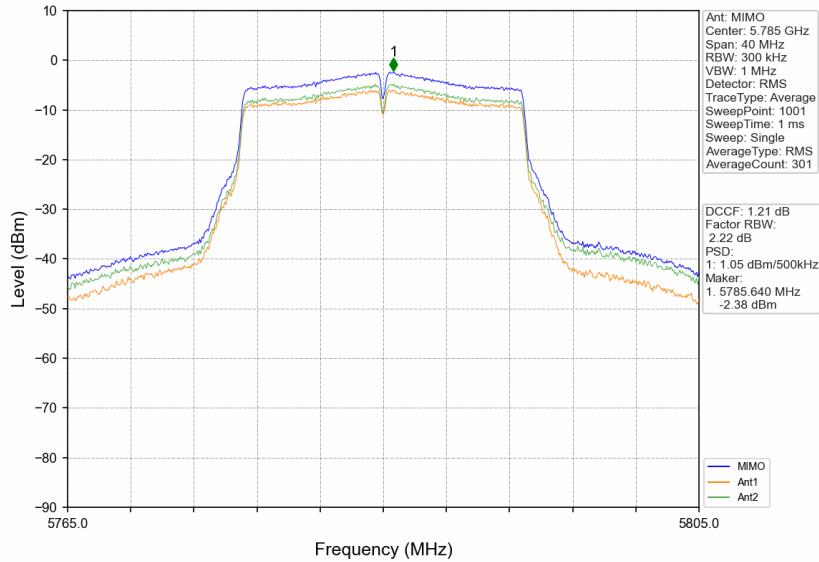


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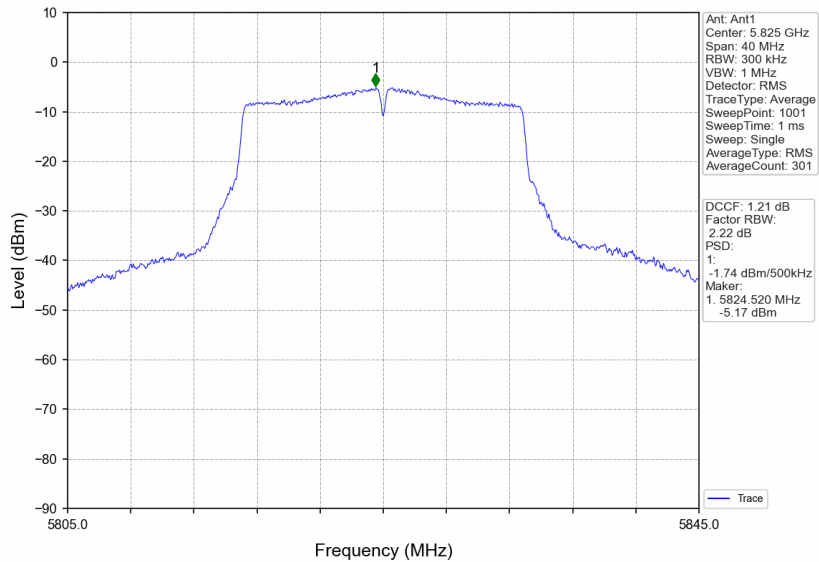
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802.11ac(VHT20)\_MCH\_5785MHz\_MIMO\_NTNV



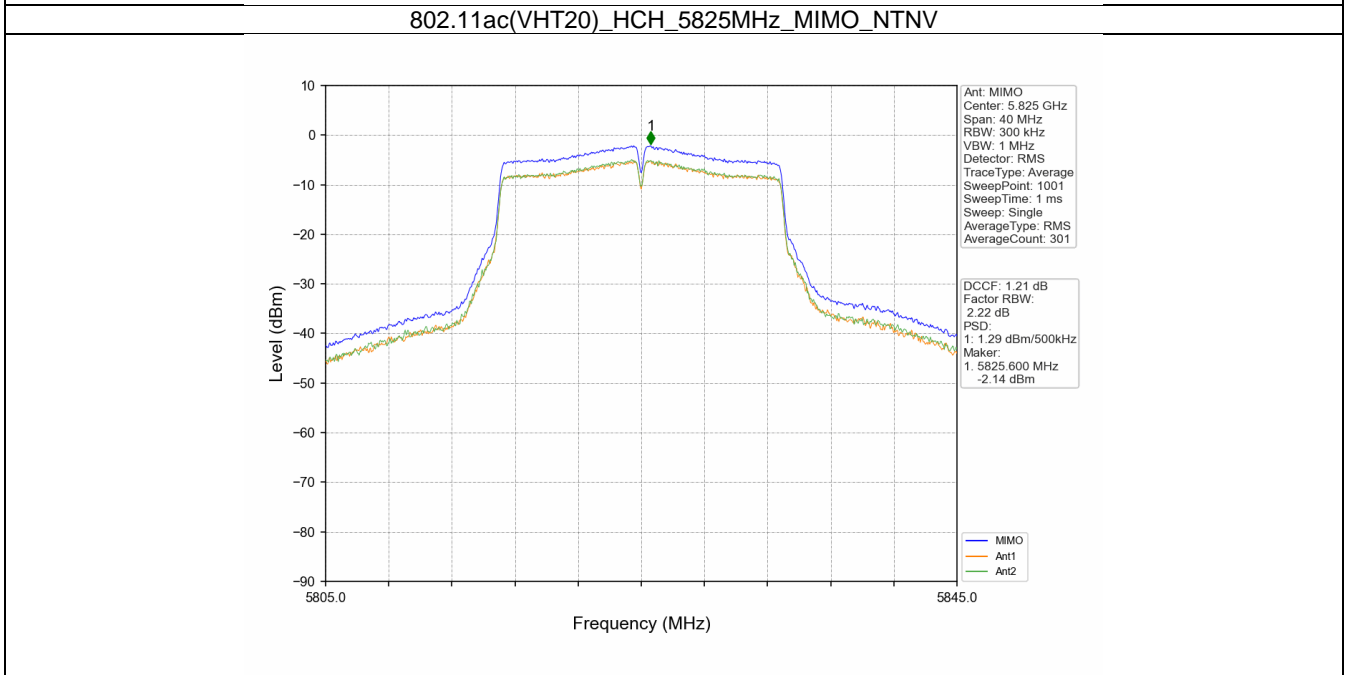
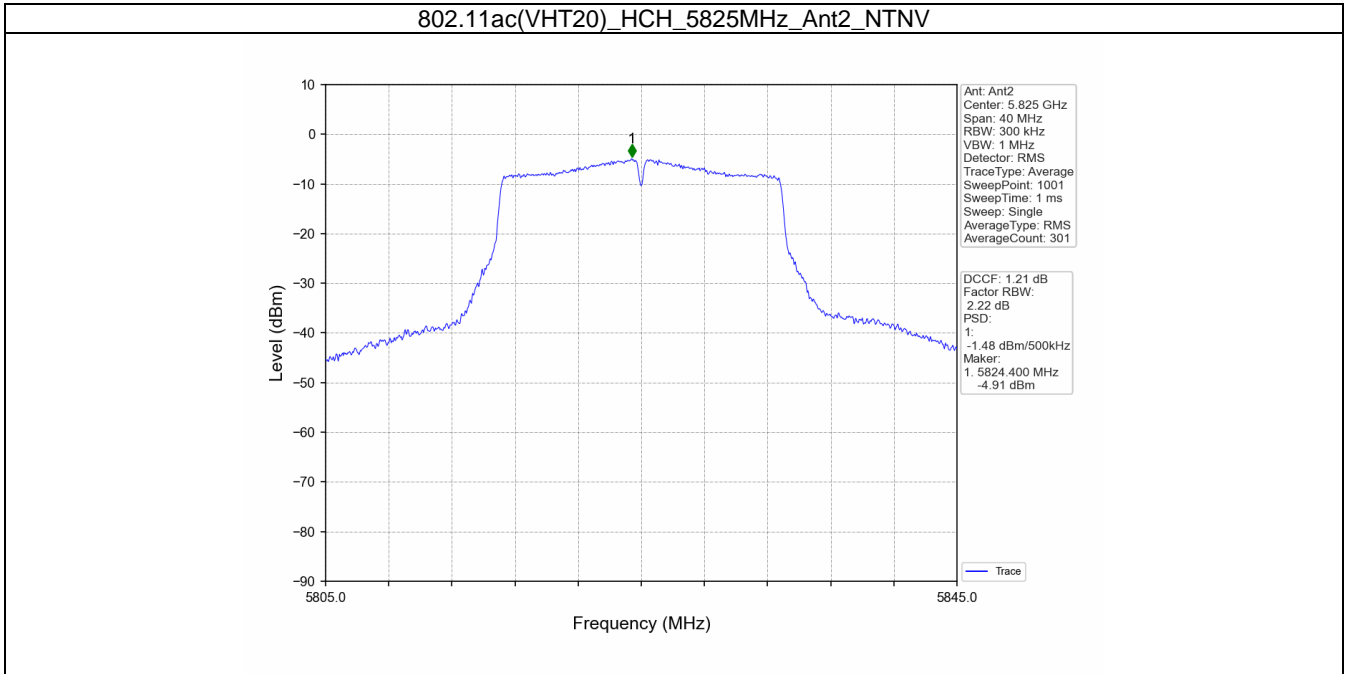
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



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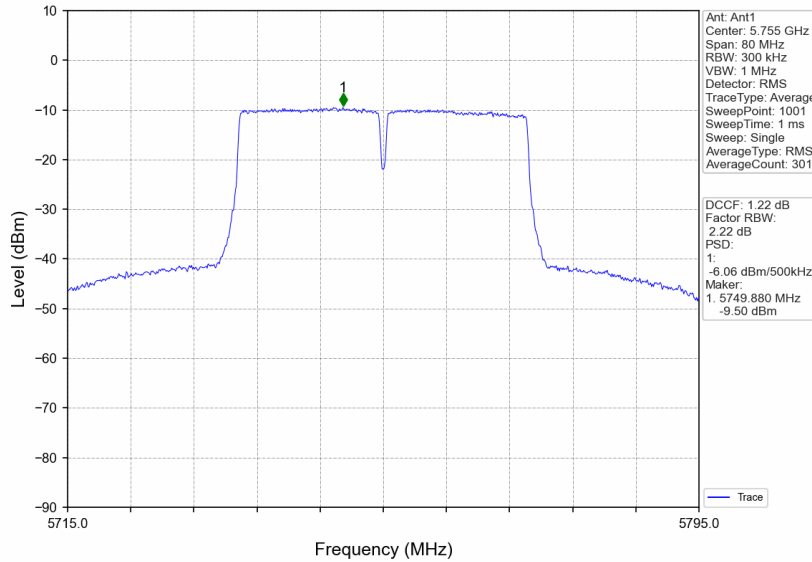
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 t(86-21) 61915666 f(86-21) 61915678 e sgs.china@sgs.com



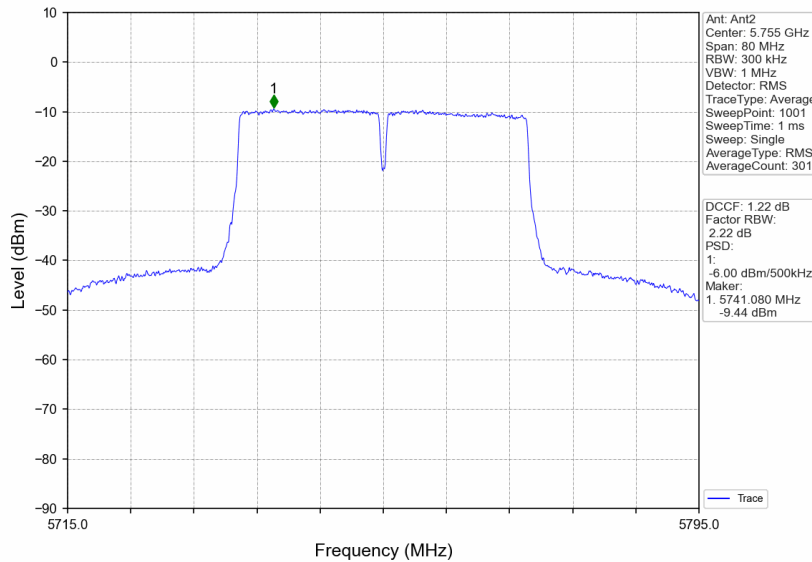
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802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



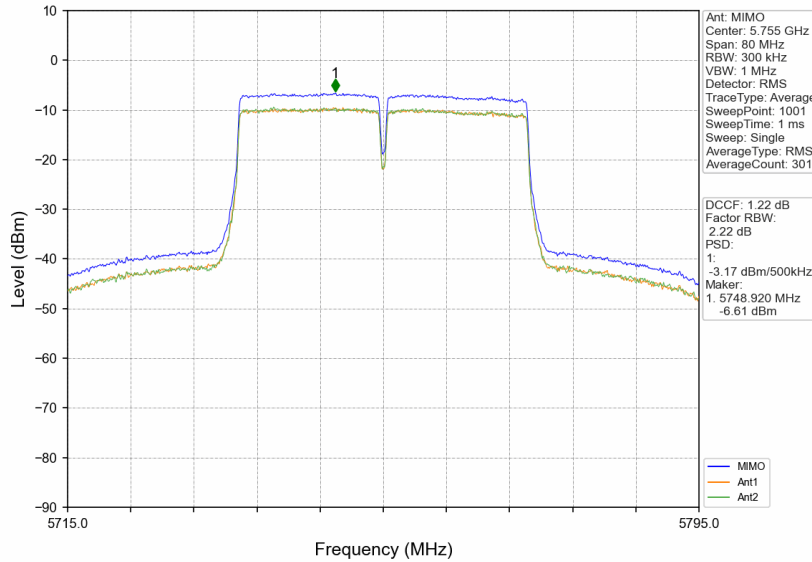
802.11ac(VHT40)\_LCH\_5755MHz\_Ant2\_NTNV



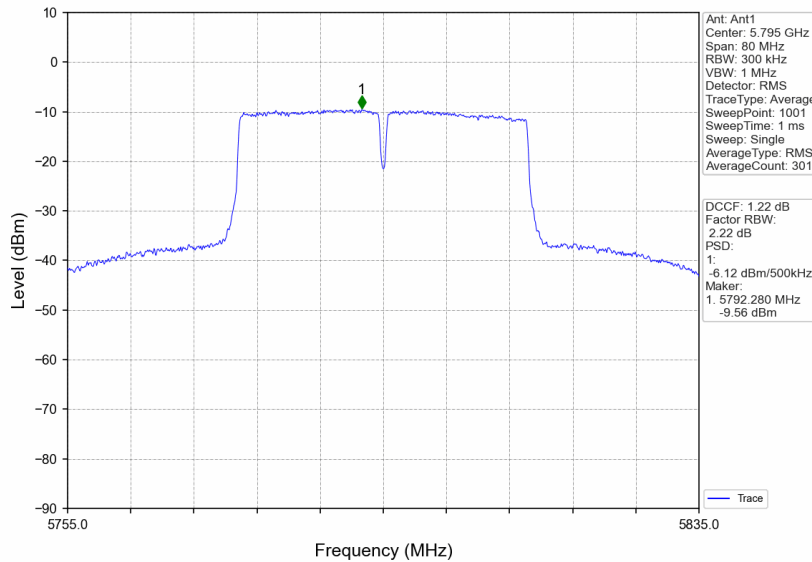
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802.11ac(VHT40)\_LCH\_5755MHz\_MIMO\_NTNV



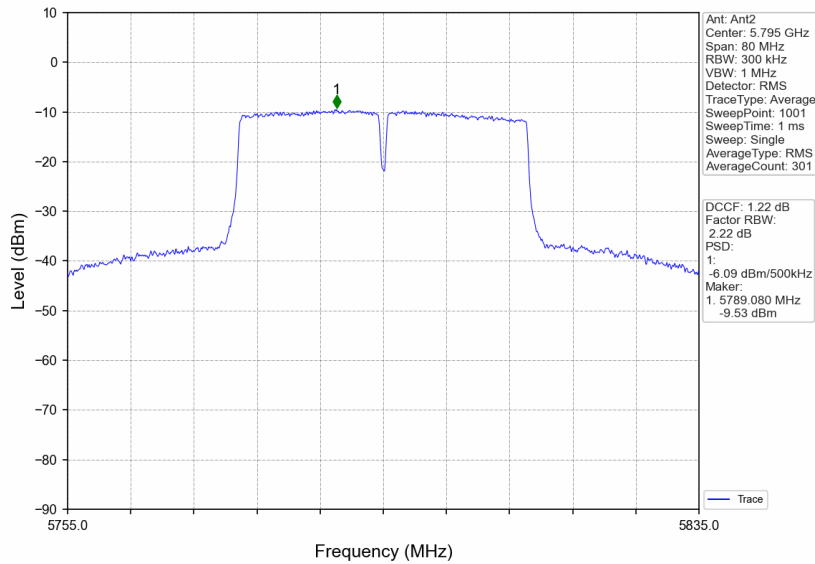
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



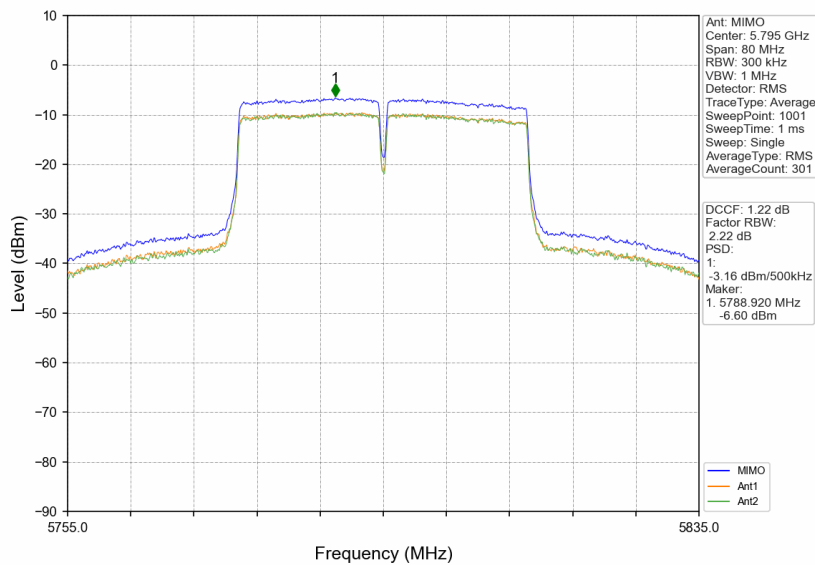
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802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV

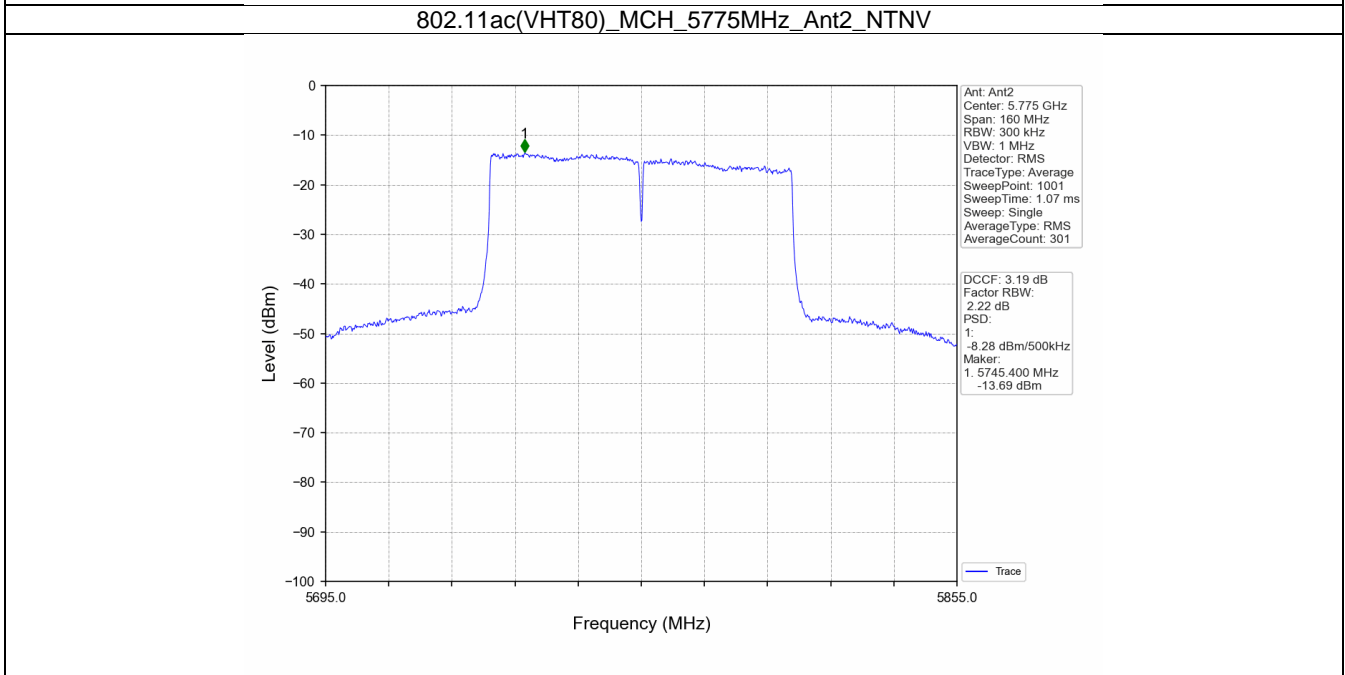
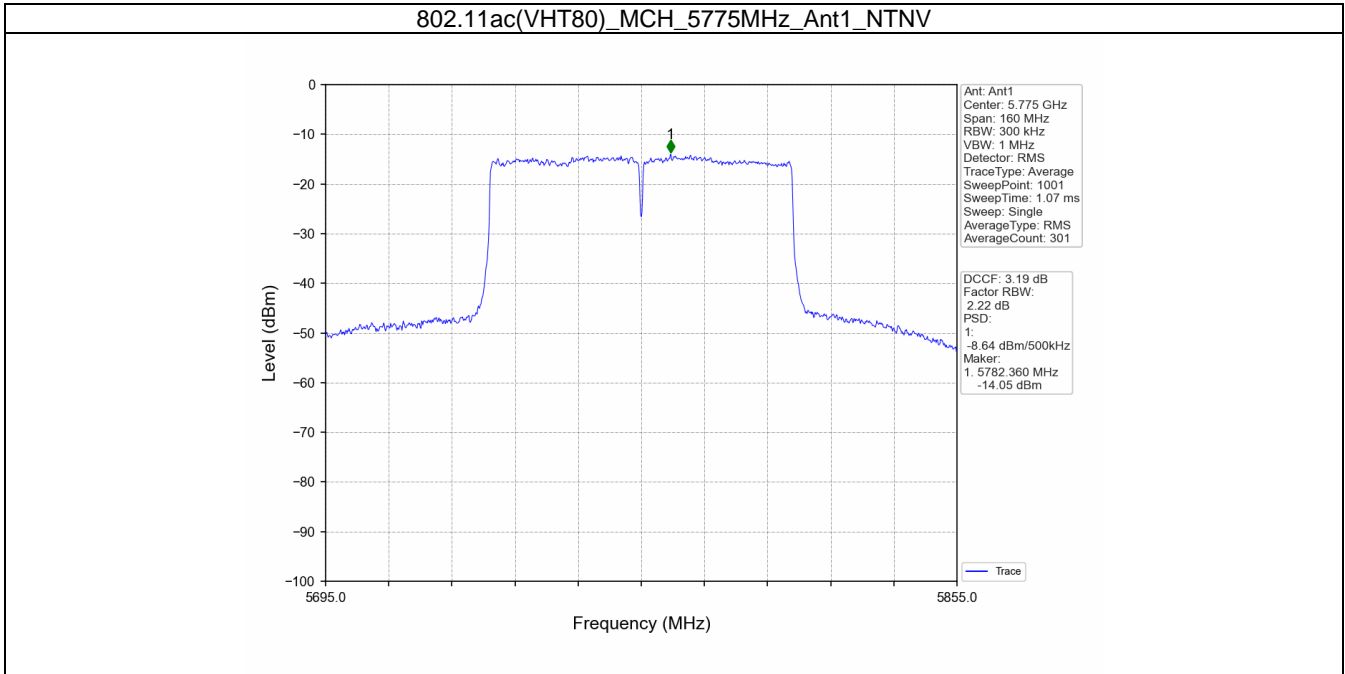


802.11ac(VHT40)\_HCH\_5795MHz\_MIMO\_NTNV



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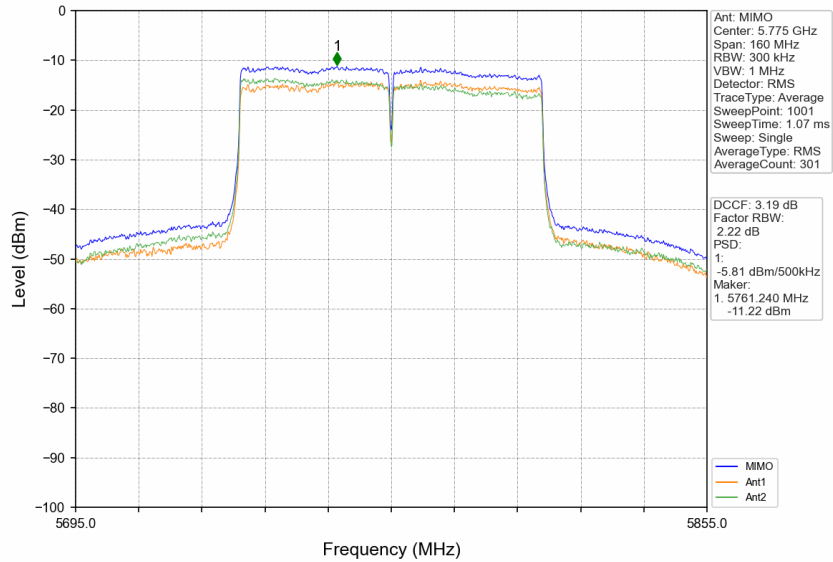
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802.11ac(VHT80)\_MCH\_5775MHz\_MIMO\_NTNV



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## 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	
802.11a	SISO	5180	20	102	5179.900	5150 to 5250	Pass	
				120	5179.980	5150 to 5250	Pass	
				138	5179.980	5150 to 5250	Pass	
			-30	120	5180.040	5150 to 5250	Pass	
				-20	120	5180.020	5150 to 5250	Pass
					120	5180.060	5150 to 5250	Pass
			0	120	5179.980	5150 to 5250	Pass	
				10	120	5180.040	5150 to 5250	Pass
					120	5180.020	5150 to 5250	Pass
		30	120	5179.920	5150 to 5250	Pass		
			40	120	5180.020	5150 to 5250	Pass	
				120	5180.020	5150 to 5250	Pass	
		5200	20	5200	102	5199.980	5150 to 5250	Pass
					120	5200.000	5150 to 5250	Pass
					138	5200.000	5150 to 5250	Pass
			-30	120	5199.960	5150 to 5250	Pass	
				-20	120	5199.960	5150 to 5250	Pass
					120	5200.000	5150 to 5250	Pass
			0	120	5200.060	5150 to 5250	Pass	
				10	120	5200.000	5150 to 5250	Pass
					120	5200.000	5150 to 5250	Pass
		30	120	5200.000	5150 to 5250	Pass		
			40	120	5199.940	5150 to 5250	Pass	
				120	5199.980	5150 to 5250	Pass	
		5240	20	5240	102	5239.980	5150 to 5250	Pass
					120	5239.960	5150 to 5250	Pass
					138	5239.940	5150 to 5250	Pass
			-30	120	5239.960	5150 to 5250	Pass	
				-20	120	5239.960	5150 to 5250	Pass
					120	5239.980	5150 to 5250	Pass
			0	120	5240.000	5150 to 5250	Pass	
				10	120	5239.980	5150 to 5250	Pass
					120	5239.920	5150 to 5250	Pass
		30	120	5239.920	5150 to 5250	Pass		
			40	120	5239.940	5150 to 5250	Pass	
				120	5240.040	5150 to 5250	Pass	
		5260	20	5260	102	5260.060	5250 to 5350	Pass
					120	5260.020	5250 to 5350	Pass
					138	5259.960	5250 to 5350	Pass
			-30	120	5260.000	5250 to 5350	Pass	
				-20	120	5260.000	5250 to 5350	Pass
					120	5260.080	5250 to 5350	Pass
			0	120	5260.000	5250 to 5350	Pass	
				10	120	5259.940	5250 to 5350	Pass
					120	5260.000	5250 to 5350	Pass
30	120	5260.000	5250 to 5350	Pass				
	40	120	5259.980	5250 to 5350	Pass			
		120	5260.000	5250 to 5350	Pass			
50	120	5260.000	5250 to 5350	Pass				
	50	120	5260.000	5250 to 5350	Pass			
		120	5260.000	5250 to 5350	Pass			
5300	20	102	5299.880	5250 to 5350	Pass			



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			120	5299.900	5250 to 5350	Pass	
			138	5299.960	5250 to 5350	Pass	
		-30	120	5299.960	5250 to 5350	Pass	
		-20	120	5299.960	5250 to 5350	Pass	
		-10	120	5300.000	5250 to 5350	Pass	
		0	120	5299.980	5250 to 5350	Pass	
		10	120	5299.980	5250 to 5350	Pass	
		30	120	5300.040	5250 to 5350	Pass	
		40	120	5300.040	5250 to 5350	Pass	
		50	120	5299.980	5250 to 5350	Pass	
	5320	20	102	5319.940	5250 to 5350	Pass	
			120	5320.000	5250 to 5350	Pass	
			138	5319.980	5250 to 5350	Pass	
			-30	120	5320.000	5250 to 5350	Pass
			-20	120	5319.920	5250 to 5350	Pass
			-10	120	5319.920	5250 to 5350	Pass
			0	120	5320.000	5250 to 5350	Pass
			10	120	5319.940	5250 to 5350	Pass
			30	120	5319.920	5250 to 5350	Pass
			40	120	5320.020	5250 to 5350	Pass
			50	120	5320.040	5250 to 5350	Pass
	5500	20	102	5499.980	5470 to 5725	Pass	
			120	5499.960	5470 to 5725	Pass	
			138	5499.960	5470 to 5725	Pass	
			-30	120	5499.960	5470 to 5725	Pass
			-20	120	5500.000	5470 to 5725	Pass
			-10	120	5499.940	5470 to 5725	Pass
			0	120	5499.920	5470 to 5725	Pass
			10	120	5500.020	5470 to 5725	Pass
			30	120	5500.000	5470 to 5725	Pass
			40	120	5499.980	5470 to 5725	Pass
			50	120	5499.880	5470 to 5725	Pass
	5580	20	102	5580.020	5470 to 5725	Pass	
			120	5580.000	5470 to 5725	Pass	
			138	5579.980	5470 to 5725	Pass	
			-30	120	5580.080	5470 to 5725	Pass
			-20	120	5580.040	5470 to 5725	Pass
			-10	120	5580.020	5470 to 5725	Pass
			0	120	5579.980	5470 to 5725	Pass
			10	120	5580.060	5470 to 5725	Pass
			30	120	5580.080	5470 to 5725	Pass
			40	120	5579.960	5470 to 5725	Pass
			50	120	5580.000	5470 to 5725	Pass
	5700	20	102	5700.000	5470 to 5725	Pass	
			120	5699.980	5470 to 5725	Pass	
			138	5699.960	5470 to 5725	Pass	
			-30	120	5699.940	5470 to 5725	Pass
			-20	120	5700.020	5470 to 5725	Pass
			-10	120	5700.020	5470 to 5725	Pass
			0	120	5700.020	5470 to 5725	Pass
			10	120	5700.000	5470 to 5725	Pass
			30	120	5699.940	5470 to 5725	Pass
			40	120	5699.980	5470 to 5725	Pass
			50	120	5700.000	5470 to 5725	Pass
	5745	20	102	5745.020	5725 to 5850	Pass	



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			120	5744.940	5725 to 5850	Pass			
			138	5744.940	5725 to 5850	Pass			
			-30	120	5744.940	5725 to 5850	Pass		
			-20	120	5744.980	5725 to 5850	Pass		
			-10	120	5744.880	5725 to 5850	Pass		
			0	120	5745.000	5725 to 5850	Pass		
			10	120	5744.980	5725 to 5850	Pass		
			30	120	5744.920	5725 to 5850	Pass		
			40	120	5744.900	5725 to 5850	Pass		
			50	120	5745.020	5725 to 5850	Pass		
			5785	20	102	5784.980	5725 to 5850	Pass	
					120	5784.980	5725 to 5850	Pass	
					138	5784.960	5725 to 5850	Pass	
				-30	120	5784.940	5725 to 5850	Pass	
				-20	120	5784.920	5725 to 5850	Pass	
				-10	120	5784.920	5725 to 5850	Pass	
				0	120	5784.980	5725 to 5850	Pass	
				10	120	5784.880	5725 to 5850	Pass	
		30		120	5784.900	5725 to 5850	Pass		
		40		120	5785.040	5725 to 5850	Pass		
		50		120	5784.920	5725 to 5850	Pass		
		5825		20	102	5824.920	5725 to 5850	Pass	
			120		5825.000	5725 to 5850	Pass		
			138		5824.920	5725 to 5850	Pass		
			-30	120	5824.940	5725 to 5850	Pass		
			-20	120	5824.900	5725 to 5850	Pass		
			-10	120	5825.100	5725 to 5850	Pass		
			0	120	5824.980	5725 to 5850	Pass		
			10	120	5824.980	5725 to 5850	Pass		
			30	120	5825.000	5725 to 5850	Pass		
			40	120	5825.020	5725 to 5850	Pass		
			50	120	5825.020	5725 to 5850	Pass		
			802.11n (HT20)	MIMO	5180	20	102	5179.920	5150 to 5250
		120					5179.900	5150 to 5250	Pass
		138					5179.940	5150 to 5250	Pass
		-30				120	5180.020	5150 to 5250	Pass
-20	120	5180.040				5150 to 5250	Pass		
-10	120	5179.960				5150 to 5250	Pass		
0	120	5179.960				5150 to 5250	Pass		
10	120	5179.980				5150 to 5250	Pass		
30	120	5179.980				5150 to 5250	Pass		
5200	20	102			5199.920	5150 to 5250	Pass		
		120			5200.000	5150 to 5250	Pass		
		138			5200.040	5150 to 5250	Pass		
	-30	120			5200.080	5150 to 5250	Pass		
	-20	120			5199.920	5150 to 5250	Pass		
	-10	120			5200.000	5150 to 5250	Pass		
	0	120			5199.900	5150 to 5250	Pass		
	10	120			5200.020	5150 to 5250	Pass		
	30	120			5199.960	5150 to 5250	Pass		
5240	20	102	5239.960	5150 to 5250	Pass				



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			120	5239.940	5150 to 5250	Pass	
			138	5240.000	5150 to 5250	Pass	
		-30	120	5239.960	5150 to 5250	Pass	
		-20	120	5240.020	5150 to 5250	Pass	
		-10	120	5240.020	5150 to 5250	Pass	
		0	120	5240.060	5150 to 5250	Pass	
		10	120	5239.980	5150 to 5250	Pass	
		30	120	5239.960	5150 to 5250	Pass	
		40	120	5240.040	5150 to 5250	Pass	
		50	120	5240.060	5150 to 5250	Pass	
	5260	20	102	5260.060	5250 to 5350	Pass	
			120	5260.080	5250 to 5350	Pass	
			138	5259.940	5250 to 5350	Pass	
			-30	120	5259.980	5250 to 5350	Pass
			-20	120	5260.000	5250 to 5350	Pass
			-10	120	5260.060	5250 to 5350	Pass
			0	120	5260.080	5250 to 5350	Pass
			10	120	5259.980	5250 to 5350	Pass
			30	120	5260.000	5250 to 5350	Pass
			40	120	5260.080	5250 to 5350	Pass
		50	120	5260.120	5250 to 5350	Pass	
	5300	20	102	5300.000	5250 to 5350	Pass	
			120	5300.020	5250 to 5350	Pass	
			138	5300.120	5250 to 5350	Pass	
			-30	120	5300.060	5250 to 5350	Pass
			-20	120	5299.980	5250 to 5350	Pass
			-10	120	5300.020	5250 to 5350	Pass
			0	120	5300.020	5250 to 5350	Pass
			10	120	5300.060	5250 to 5350	Pass
			30	120	5299.940	5250 to 5350	Pass
			40	120	5300.000	5250 to 5350	Pass
		50	120	5300.040	5250 to 5350	Pass	
	5320	20	102	5320.020	5250 to 5350	Pass	
			120	5319.920	5250 to 5350	Pass	
			138	5319.980	5250 to 5350	Pass	
			-30	120	5319.980	5250 to 5350	Pass
			-20	120	5320.000	5250 to 5350	Pass
			-10	120	5320.000	5250 to 5350	Pass
			0	120	5320.040	5250 to 5350	Pass
			10	120	5320.000	5250 to 5350	Pass
			30	120	5320.000	5250 to 5350	Pass
			40	120	5319.960	5250 to 5350	Pass
		50	120	5320.020	5250 to 5350	Pass	
	5500	20	102	5500.080	5470 to 5725	Pass	
			120	5500.000	5470 to 5725	Pass	
			138	5499.980	5470 to 5725	Pass	
			-30	120	5500.020	5470 to 5725	Pass
			-20	120	5499.960	5470 to 5725	Pass
			-10	120	5499.960	5470 to 5725	Pass
			0	120	5500.020	5470 to 5725	Pass
			10	120	5499.980	5470 to 5725	Pass
			30	120	5500.000	5470 to 5725	Pass
			40	120	5500.000	5470 to 5725	Pass
		50	120	5499.980	5470 to 5725	Pass	
	5580	20	102	5580.040	5470 to 5725	Pass	



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		5700	120	5579.940	5470 to 5725	Pass		
			138	5580.020	5470 to 5725	Pass		
			-30	120	5580.000	5470 to 5725	Pass	
			-20	120	5580.000	5470 to 5725	Pass	
			-10	120	5580.040	5470 to 5725	Pass	
			0	120	5579.980	5470 to 5725	Pass	
			10	120	5579.920	5470 to 5725	Pass	
			30	120	5580.080	5470 to 5725	Pass	
			40	120	5580.000	5470 to 5725	Pass	
			50	120	5580.000	5470 to 5725	Pass	
			5745	20	102	5699.980	5470 to 5725	Pass
					120	5700.000	5470 to 5725	Pass
					138	5700.000	5470 to 5725	Pass
				-30	120	5700.000	5470 to 5725	Pass
				-20	120	5700.000	5470 to 5725	Pass
		-10		120	5700.040	5470 to 5725	Pass	
		0		120	5699.980	5470 to 5725	Pass	
		10		120	5700.000	5470 to 5725	Pass	
		30		120	5699.980	5470 to 5725	Pass	
		40		120	5700.020	5470 to 5725	Pass	
		50		120	5700.000	5470 to 5725	Pass	
		5785		20	102	5744.960	5725 to 5850	Pass
					120	5744.980	5725 to 5850	Pass
					138	5744.980	5725 to 5850	Pass
				-30	120	5745.000	5725 to 5850	Pass
			-20	120	5745.020	5725 to 5850	Pass	
			-10	120	5745.000	5725 to 5850	Pass	
			0	120	5744.920	5725 to 5850	Pass	
			10	120	5745.000	5725 to 5850	Pass	
			30	120	5745.000	5725 to 5850	Pass	
			40	120	5744.960	5725 to 5850	Pass	
			50	120	5744.960	5725 to 5850	Pass	
			5825	20	102	5784.940	5725 to 5850	Pass
					120	5784.960	5725 to 5850	Pass
					138	5784.980	5725 to 5850	Pass
				-30	120	5784.940	5725 to 5850	Pass
		-20		120	5784.960	5725 to 5850	Pass	
		-10		120	5784.920	5725 to 5850	Pass	
		0		120	5784.860	5725 to 5850	Pass	
		10		120	5785.000	5725 to 5850	Pass	
		30		120	5785.000	5725 to 5850	Pass	
		40		120	5784.920	5725 to 5850	Pass	
		50		120	5784.960	5725 to 5850	Pass	
		5190		20	102	5825.020	5725 to 5850	Pass
					120	5825.000	5725 to 5850	Pass
138	5825.080				5725 to 5850	Pass		
-30	120			5825.000	5725 to 5850	Pass		
-20	120		5825.060	5725 to 5850	Pass			
-10	120		5824.960	5725 to 5850	Pass			
0	120		5825.060	5725 to 5850	Pass			
10	120		5825.000	5725 to 5850	Pass			
30	120		5825.000	5725 to 5850	Pass			
40	120		5824.960	5725 to 5850	Pass			
50	120	5825.020	5725 to 5850	Pass				
802.11n	MIMO	5190	20	102	5189.920	5150 to 5250	Pass	



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(HT40)	5230	120	5190.040	5150 to 5250	Pass		
			138	5189.960	5150 to 5250	Pass	
		-30	120	5189.960	5150 to 5250	Pass	
		-20	120	5190.000	5150 to 5250	Pass	
		-10	120	5190.040	5150 to 5250	Pass	
		0	120	5189.920	5150 to 5250	Pass	
		10	120	5190.000	5150 to 5250	Pass	
		30	120	5190.000	5150 to 5250	Pass	
		40	120	5190.080	5150 to 5250	Pass	
		50	120	5190.000	5150 to 5250	Pass	
		5270	20	102	5230.040	5150 to 5250	Pass
				120	5230.000	5150 to 5250	Pass
				138	5230.080	5150 to 5250	Pass
			-30	120	5229.960	5150 to 5250	Pass
	-20		120	5229.880	5150 to 5250	Pass	
	-10		120	5230.000	5150 to 5250	Pass	
	0		120	5230.040	5150 to 5250	Pass	
	10		120	5230.000	5150 to 5250	Pass	
	30		120	5230.040	5150 to 5250	Pass	
	40		120	5229.960	5150 to 5250	Pass	
	50		120	5230.000	5150 to 5250	Pass	
	5310		20	102	5270.040	5250 to 5350	Pass
				120	5270.000	5250 to 5350	Pass
				138	5270.000	5250 to 5350	Pass
		-30	120	5269.960	5250 to 5350	Pass	
		-20	120	5270.000	5250 to 5350	Pass	
		-10	120	5270.040	5250 to 5350	Pass	
		0	120	5270.040	5250 to 5350	Pass	
		10	120	5269.960	5250 to 5350	Pass	
		30	120	5269.960	5250 to 5350	Pass	
		40	120	5270.000	5250 to 5350	Pass	
		50	120	5269.960	5250 to 5350	Pass	
		5510	20	102	5310.000	5250 to 5350	Pass
				120	5310.040	5250 to 5350	Pass
				138	5310.000	5250 to 5350	Pass
	-30		120	5309.960	5250 to 5350	Pass	
	-20		120	5309.960	5250 to 5350	Pass	
	-10		120	5309.960	5250 to 5350	Pass	
	0		120	5309.920	5250 to 5350	Pass	
	10		120	5310.000	5250 to 5350	Pass	
	30		120	5310.000	5250 to 5350	Pass	
	40		120	5309.960	5250 to 5350	Pass	
	50		120	5309.920	5250 to 5350	Pass	
	5550		20	102	5510.000	5470 to 5725	Pass
				120	5509.960	5470 to 5725	Pass
				138	5509.920	5470 to 5725	Pass
		-30	120	5510.040	5470 to 5725	Pass	
		-20	120	5510.000	5470 to 5725	Pass	
		-10	120	5509.920	5470 to 5725	Pass	
		0	120	5509.960	5470 to 5725	Pass	
10		120	5509.960	5470 to 5725	Pass		
30		120	5509.960	5470 to 5725	Pass		
40		120	5510.040	5470 to 5725	Pass		
50		120	5509.960	5470 to 5725	Pass		

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		5670		120	5550.040	5470 to 5725	Pass		
				138	5549.960	5470 to 5725	Pass		
			-30	120	5549.960	5470 to 5725	Pass		
			-20	120	5550.040	5470 to 5725	Pass		
			-10	120	5550.000	5470 to 5725	Pass		
			0	120	5549.960	5470 to 5725	Pass		
			10	120	5549.960	5470 to 5725	Pass		
			30	120	5550.000	5470 to 5725	Pass		
			40	120	5549.960	5470 to 5725	Pass		
			50	120	5550.000	5470 to 5725	Pass		
				102	5669.960	5470 to 5725	Pass		
				120	5669.920	5470 to 5725	Pass		
				138	5670.000	5470 to 5725	Pass		
				120	5670.000	5470 to 5725	Pass		
				120	5669.960	5470 to 5725	Pass		
			120	5670.000	5470 to 5725	Pass			
			120	5669.960	5470 to 5725	Pass			
			120	5670.000	5470 to 5725	Pass			
			120	5670.040	5470 to 5725	Pass			
			102	5754.920	5725 to 5850	Pass			
			120	5754.920	5725 to 5850	Pass			
			138	5754.920	5725 to 5850	Pass			
			120	5755.000	5725 to 5850	Pass			
			120	5754.960	5725 to 5850	Pass			
			120	5754.920	5725 to 5850	Pass			
			120	5754.960	5725 to 5850	Pass			
			120	5754.920	5725 to 5850	Pass			
			120	5754.920	5725 to 5850	Pass			
			120	5754.920	5725 to 5850	Pass			
			102	5794.920	5725 to 5850	Pass			
			120	5794.880	5725 to 5850	Pass			
			138	5794.960	5725 to 5850	Pass			
			120	5794.880	5725 to 5850	Pass			
			120	5794.960	5725 to 5850	Pass			
			120	5794.960	5725 to 5850	Pass			
			120	5794.920	5725 to 5850	Pass			
			120	5794.960	5725 to 5850	Pass			
			120	5795.000	5725 to 5850	Pass			
			120	5794.920	5725 to 5850	Pass			
		802.11ac (VHT20)	MIMO	5180		102	5180.060	5150 to 5250	Pass
						120	5179.980	5150 to 5250	Pass
						138	5180.040	5150 to 5250	Pass
					-30	120	5179.880	5150 to 5250	Pass
					-20	120	5179.900	5150 to 5250	Pass
					-10	120	5179.920	5150 to 5250	Pass
0	120				5180.000	5150 to 5250	Pass		
10	120				5180.060	5150 to 5250	Pass		
30	120				5180.020	5150 to 5250	Pass		
40	120				5180.000	5150 to 5250	Pass		
50	120				5180.000	5150 to 5250	Pass		
5200	20				102	5200.000	5150 to 5250	Pass	

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	5240	-30	120	5199.980	5150 to 5250	Pass	
			138	5200.020	5150 to 5250	Pass	
			120	5200.040	5150 to 5250	Pass	
		-20	120	5200.020	5150 to 5250	Pass	
			-10	120	5199.960	5150 to 5250	Pass
				120	5200.020	5150 to 5250	Pass
		0	120	5200.020	5150 to 5250	Pass	
			10	120	5199.920	5150 to 5250	Pass
		30	120	5200.020	5150 to 5250	Pass	
			40	120	5199.980	5150 to 5250	Pass
		50	120	5199.980	5150 to 5250	Pass	
			20	102	5239.900	5150 to 5250	Pass
		120		5240.000	5150 to 5250	Pass	
		138		5239.980	5150 to 5250	Pass	
		5260	-30	120	5240.040	5150 to 5250	Pass
	-20			120	5239.980	5150 to 5250	Pass
				120	5240.040	5150 to 5250	Pass
	-10		120	5239.940	5150 to 5250	Pass	
			120	5239.980	5150 to 5250	Pass	
	0		120	5240.000	5150 to 5250	Pass	
			10	120	5239.940	5150 to 5250	Pass
	30		120	5239.920	5150 to 5250	Pass	
			40	102	5260.060	5250 to 5350	Pass
	120			5260.020	5250 to 5350	Pass	
	138	5260.060		5250 to 5350	Pass		
	5300	-30	120	5260.060	5250 to 5350	Pass	
			-20	120	5259.960	5250 to 5350	Pass
				120	5260.040	5250 to 5350	Pass
		-10	120	5259.960	5250 to 5350	Pass	
			120	5260.060	5250 to 5350	Pass	
		0	120	5260.020	5250 to 5350	Pass	
			10	120	5260.040	5250 to 5350	Pass
		30	120	5259.960	5250 to 5350	Pass	
			40	102	5300.040	5250 to 5350	Pass
		120		5300.000	5250 to 5350	Pass	
	138	5299.980		5250 to 5350	Pass		
	5320	-30	120	5300.020	5250 to 5350	Pass	
			-20	120	5300.040	5250 to 5350	Pass
				120	5300.020	5250 to 5350	Pass
		-10	120	5300.020	5250 to 5350	Pass	
			120	5299.980	5250 to 5350	Pass	
		0	120	5299.980	5250 to 5350	Pass	
			10	120	5299.980	5250 to 5350	Pass
		30	120	5299.980	5250 to 5350	Pass	
			40	102	5319.920	5250 to 5350	Pass
120		5319.900		5250 to 5350	Pass		
138	5320.000	5250 to 5350		Pass			
5500	-30	120	5320.000	5250 to 5350	Pass		
		-20	120	5320.100	5250 to 5350	Pass	
			120	5319.960	5250 to 5350	Pass	
	-10	120	5319.940	5250 to 5350	Pass		
		120	5320.040	5250 to 5350	Pass		
	0	120	5320.020	5250 to 5350	Pass		
		10	120	5320.020	5250 to 5350	Pass	
	30	120	5320.020	5250 to 5350	Pass		
		40	120	5320.040	5250 to 5350	Pass	
	120		5320.040	5250 to 5350	Pass		
102	5499.940		5470 to 5725	Pass			

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			120	5499.960	5470 to 5725	Pass	
			138	5500.020	5470 to 5725	Pass	
		-30	120	5499.980	5470 to 5725	Pass	
		-20	120	5499.960	5470 to 5725	Pass	
		-10	120	5499.940	5470 to 5725	Pass	
		0	120	5500.000	5470 to 5725	Pass	
		10	120	5499.980	5470 to 5725	Pass	
		30	120	5500.020	5470 to 5725	Pass	
		40	120	5499.960	5470 to 5725	Pass	
		50	120	5499.960	5470 to 5725	Pass	
	5580	20	102	5580.000	5470 to 5725	Pass	
			120	5580.040	5470 to 5725	Pass	
			138	5579.960	5470 to 5725	Pass	
			-30	120	5580.020	5470 to 5725	Pass
			-20	120	5580.060	5470 to 5725	Pass
			-10	120	5580.020	5470 to 5725	Pass
			0	120	5580.040	5470 to 5725	Pass
			10	120	5580.040	5470 to 5725	Pass
			30	120	5579.940	5470 to 5725	Pass
			40	120	5579.980	5470 to 5725	Pass
			50	120	5579.940	5470 to 5725	Pass
		5700	20	102	5699.960	5470 to 5725	Pass
				120	5700.000	5470 to 5725	Pass
	138			5699.980	5470 to 5725	Pass	
			-30	120	5699.960	5470 to 5725	Pass
			-20	120	5699.980	5470 to 5725	Pass
			-10	120	5699.980	5470 to 5725	Pass
			0	120	5700.020	5470 to 5725	Pass
			10	120	5700.080	5470 to 5725	Pass
			30	120	5700.020	5470 to 5725	Pass
			40	120	5700.020	5470 to 5725	Pass
			50	120	5699.900	5470 to 5725	Pass
	5745		20	102	5744.960	5725 to 5850	Pass
				120	5745.060	5725 to 5850	Pass
		138		5744.920	5725 to 5850	Pass	
			-30	120	5745.000	5725 to 5850	Pass
			-20	120	5744.980	5725 to 5850	Pass
			-10	120	5745.000	5725 to 5850	Pass
			0	120	5744.940	5725 to 5850	Pass
			10	120	5744.940	5725 to 5850	Pass
			30	120	5745.020	5725 to 5850	Pass
			40	120	5744.960	5725 to 5850	Pass
			50	120	5744.880	5725 to 5850	Pass
		5785	20	102	5785.000	5725 to 5850	Pass
				120	5785.000	5725 to 5850	Pass
	138			5785.000	5725 to 5850	Pass	
			-30	120	5785.060	5725 to 5850	Pass
			-20	120	5784.880	5725 to 5850	Pass
			-10	120	5784.960	5725 to 5850	Pass
			0	120	5784.940	5725 to 5850	Pass
			10	120	5784.920	5725 to 5850	Pass
			30	120	5784.960	5725 to 5850	Pass
			40	120	5784.980	5725 to 5850	Pass
			50	120	5784.940	5725 to 5850	Pass
	5825		20	102	5825.060	5725 to 5850	Pass



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				120	5824.980	5725 to 5850	Pass	
				138	5825.000	5725 to 5850	Pass	
			-30	120	5824.960	5725 to 5850	Pass	
			-20	120	5825.020	5725 to 5850	Pass	
			-10	120	5825.000	5725 to 5850	Pass	
			0	120	5825.000	5725 to 5850	Pass	
			10	120	5825.000	5725 to 5850	Pass	
			30	120	5824.940	5725 to 5850	Pass	
			40	120	5824.960	5725 to 5850	Pass	
			50	120	5824.920	5725 to 5850	Pass	
802.11ac (VHT40)	MIMO	5190		102	5190.040	5150 to 5250	Pass	
				120	5190.000	5150 to 5250	Pass	
				138	5189.920	5150 to 5250	Pass	
			-30	120	5190.000	5150 to 5250	Pass	
			-20	120	5189.880	5150 to 5250	Pass	
			-10	120	5190.080	5150 to 5250	Pass	
			0	120	5190.000	5150 to 5250	Pass	
			10	120	5190.000	5150 to 5250	Pass	
			30	120	5189.960	5150 to 5250	Pass	
			40	120	5190.000	5150 to 5250	Pass	
			50	120	5189.960	5150 to 5250	Pass	
			5230		102	5230.000	5150 to 5250	Pass
					120	5230.040	5150 to 5250	Pass
					138	5230.000	5150 to 5250	Pass
				-30	120	5230.040	5150 to 5250	Pass
				-20	120	5230.040	5150 to 5250	Pass
				-10	120	5230.000	5150 to 5250	Pass
				0	120	5230.000	5150 to 5250	Pass
		10		120	5230.040	5150 to 5250	Pass	
		30		120	5229.960	5150 to 5250	Pass	
		40		120	5230.080	5150 to 5250	Pass	
		50		120	5229.960	5150 to 5250	Pass	
		5270			102	5269.960	5250 to 5350	Pass
				120	5270.080	5250 to 5350	Pass	
				138	5269.960	5250 to 5350	Pass	
			-30	120	5270.040	5250 to 5350	Pass	
			-20	120	5270.080	5250 to 5350	Pass	
			-10	120	5270.040	5250 to 5350	Pass	
			0	120	5270.000	5250 to 5350	Pass	
			10	120	5269.960	5250 to 5350	Pass	
			30	120	5270.000	5250 to 5350	Pass	
			40	120	5270.000	5250 to 5350	Pass	
			50	120	5270.040	5250 to 5350	Pass	
			5310		102	5310.040	5250 to 5350	Pass
				120	5310.000	5250 to 5350	Pass	
				138	5310.040	5250 to 5350	Pass	
		-30		120	5309.960	5250 to 5350	Pass	
		-20		120	5310.040	5250 to 5350	Pass	
		-10		120	5310.000	5250 to 5350	Pass	
		0		120	5309.960	5250 to 5350	Pass	
		10		120	5310.080	5250 to 5350	Pass	
		30		120	5310.000	5250 to 5350	Pass	
40	120	5310.040		5250 to 5350	Pass			
50	120	5309.920		5250 to 5350	Pass			
5510	20	102		5509.960	5470 to 5725	Pass		



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		5550		120	5509.920	5470 to 5725	Pass	
				138	5509.960	5470 to 5725	Pass	
			-30	120	5510.040	5470 to 5725	Pass	
			-20	120	5509.920	5470 to 5725	Pass	
			-10	120	5509.960	5470 to 5725	Pass	
			0	120	5510.000	5470 to 5725	Pass	
			10	120	5509.920	5470 to 5725	Pass	
			30	120	5509.920	5470 to 5725	Pass	
			40	120	5510.000	5470 to 5725	Pass	
			50	120	5510.040	5470 to 5725	Pass	
				102	5550.000	5470 to 5725	Pass	
				120	5550.040	5470 to 5725	Pass	
				138	5550.000	5470 to 5725	Pass	
				120	5550.040	5470 to 5725	Pass	
				120	5550.000	5470 to 5725	Pass	
			120	5549.960	5470 to 5725	Pass		
			120	5550.000	5470 to 5725	Pass		
			120	5549.880	5470 to 5725	Pass		
			120	5550.040	5470 to 5725	Pass		
			120	5549.960	5470 to 5725	Pass		
			120	5550.040	5470 to 5725	Pass		
		5670		102	5670.080	5470 to 5725	Pass	
				120	5670.040	5470 to 5725	Pass	
				138	5670.040	5470 to 5725	Pass	
			-30	120	5670.040	5470 to 5725	Pass	
			-20	120	5670.040	5470 to 5725	Pass	
			-10	120	5670.040	5470 to 5725	Pass	
			0	120	5669.920	5470 to 5725	Pass	
			10	120	5669.880	5470 to 5725	Pass	
			30	120	5670.000	5470 to 5725	Pass	
			40	120	5670.040	5470 to 5725	Pass	
			50	120	5670.040	5470 to 5725	Pass	
				102	5754.960	5725 to 5850	Pass	
				120	5754.960	5725 to 5850	Pass	
				138	5754.920	5725 to 5850	Pass	
			5755		120	5754.920	5725 to 5850	Pass
				120	5754.960	5725 to 5850	Pass	
		-30		120	5754.920	5725 to 5850	Pass	
		-20		120	5754.960	5725 to 5850	Pass	
		-10		120	5754.920	5725 to 5850	Pass	
		0		120	5755.000	5725 to 5850	Pass	
		10		120	5755.000	5725 to 5850	Pass	
		30		120	5754.960	5725 to 5850	Pass	
		40		120	5754.920	5725 to 5850	Pass	
		50		120	5754.960	5725 to 5850	Pass	
	102	5794.920		5725 to 5850	Pass			
	120	5794.960		5725 to 5850	Pass			
	138	5795.000		5725 to 5850	Pass			
5795		120		5794.960	5725 to 5850	Pass		
		120		5794.960	5725 to 5850	Pass		
	-30	120	5794.960	5725 to 5850	Pass			
	-20	120	5794.960	5725 to 5850	Pass			
	-10	120	5794.880	5725 to 5850	Pass			
	0	120	5794.960	5725 to 5850	Pass			
	10	120	5794.880	5725 to 5850	Pass			
	30	120	5794.960	5725 to 5850	Pass			
	40	120	5794.920	5725 to 5850	Pass			
	50	120	5794.960	5725 to 5850	Pass			
	802.11ac	MIMO	5210	20	102	5210.075	5150 to 5250	Pass



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(VHT80)	5290	120	5210.075	5150 to 5250	Pass			
			138	5210.000	5150 to 5250	Pass		
			-30	5210.000	5150 to 5250	Pass		
		120	-20	5210.000	5150 to 5250	Pass		
			-10	5210.000	5150 to 5250	Pass		
			0	5209.925	5150 to 5250	Pass		
		120	10	5209.925	5150 to 5250	Pass		
			30	5210.000	5150 to 5250	Pass		
			40	5210.000	5150 to 5250	Pass		
		5530	120	5210.075	5150 to 5250	Pass		
				50	5210.075	5150 to 5250	Pass	
				20	102	5290.000	5250 to 5350	Pass
			120	138	5289.925	5250 to 5350	Pass	
				138	5290.075	5250 to 5350	Pass	
				-30	5290.000	5250 to 5350	Pass	
	120		-20	5290.000	5250 to 5350	Pass		
			-10	5290.075	5250 to 5350	Pass		
			0	5290.000	5250 to 5350	Pass		
	5610		120	10	5289.925	5250 to 5350	Pass	
				30	5290.000	5250 to 5350	Pass	
				40	5289.925	5250 to 5350	Pass	
		120	50	5290.000	5250 to 5350	Pass		
			20	102	5529.925	5470 to 5725	Pass	
			120	5530.000	5470 to 5725	Pass		
		120	138	5529.925	5470 to 5725	Pass		
			-30	5530.000	5470 to 5725	Pass		
			-20	5530.000	5470 to 5725	Pass		
		5775	120	-10	5529.925	5470 to 5725	Pass	
				0	5529.925	5470 to 5725	Pass	
				10	5530.075	5470 to 5725	Pass	
	120		30	5529.925	5470 to 5725	Pass		
			40	5529.925	5470 to 5725	Pass		
			50	5530.000	5470 to 5725	Pass		
	5775		120	20	102	5610.000	5470 to 5725	Pass
				120	5610.000	5470 to 5725	Pass	
				138	5610.075	5470 to 5725	Pass	
			120	-30	5610.000	5470 to 5725	Pass	
				-20	5610.000	5470 to 5725	Pass	
				-10	5609.925	5470 to 5725	Pass	
		120	0	5610.000	5470 to 5725	Pass		
			10	5610.000	5470 to 5725	Pass		
			30	5610.000	5470 to 5725	Pass		
		5775	120	40	5610.000	5470 to 5725	Pass	
				50	5610.075	5470 to 5725	Pass	
				20	102	5774.925	5725 to 5850	Pass
120	120		5775.000	5725 to 5850	Pass			
	138		5774.925	5725 to 5850	Pass			
	-30		5775.000	5725 to 5850	Pass			
120	-20		5774.850	5725 to 5850	Pass			
	-10		5774.925	5725 to 5850	Pass			
	0		5775.000	5725 to 5850	Pass			
120	10	5774.925	5725 to 5850	Pass				
	30	5774.925	5725 to 5850	Pass				
	40	5775.000	5725 to 5850	Pass				
120	50	5774.925	5725 to 5850	Pass				



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