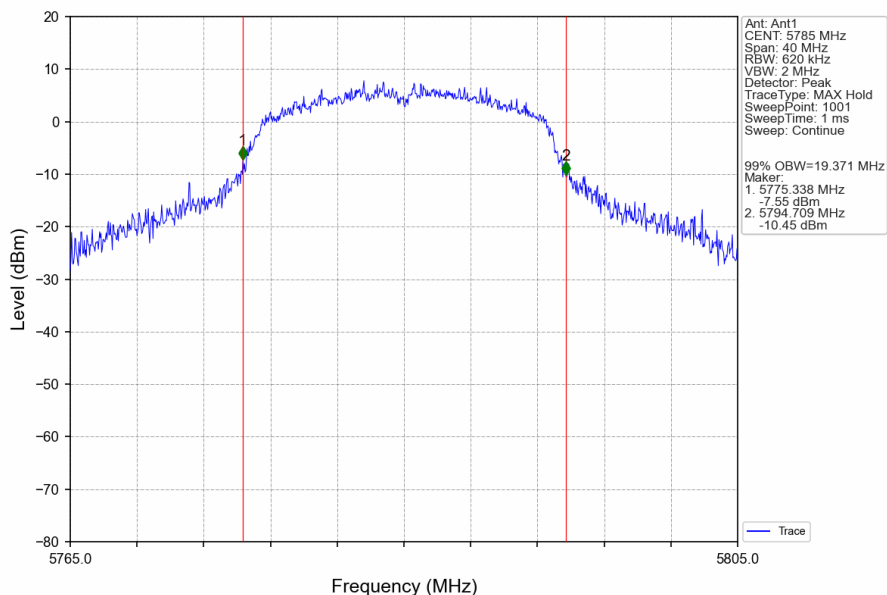
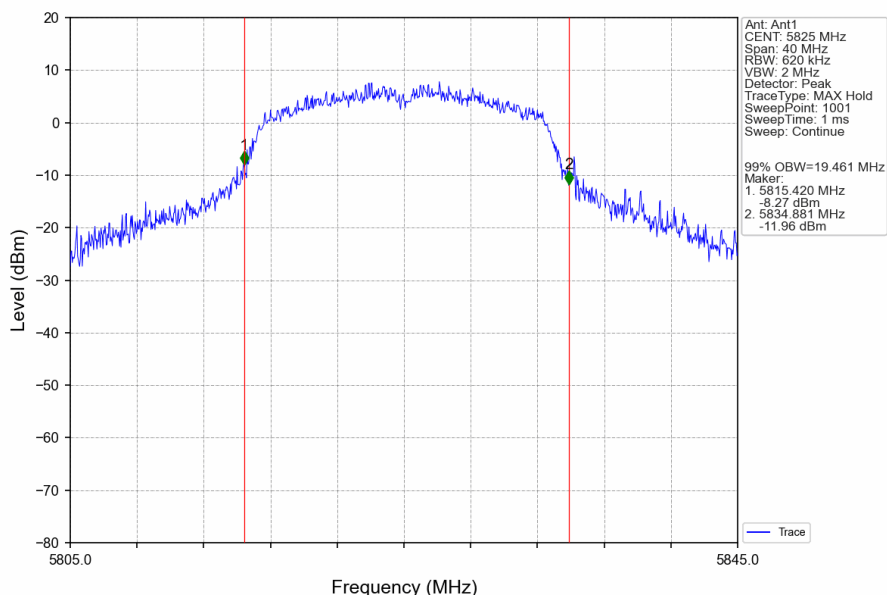


802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

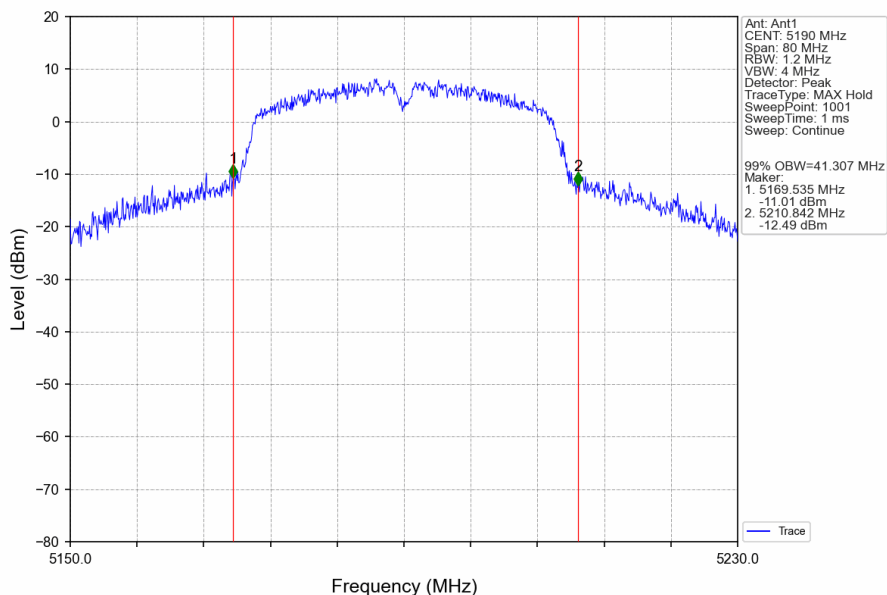


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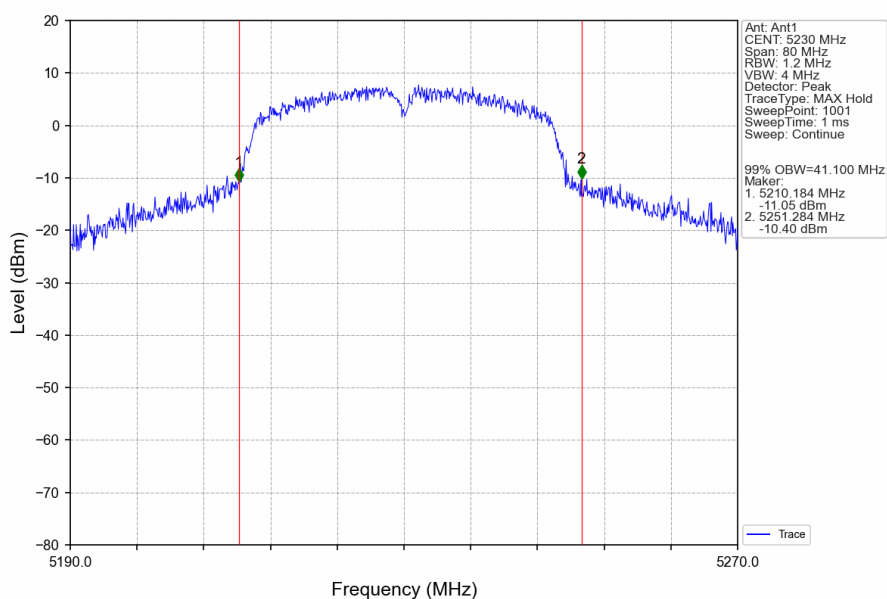
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



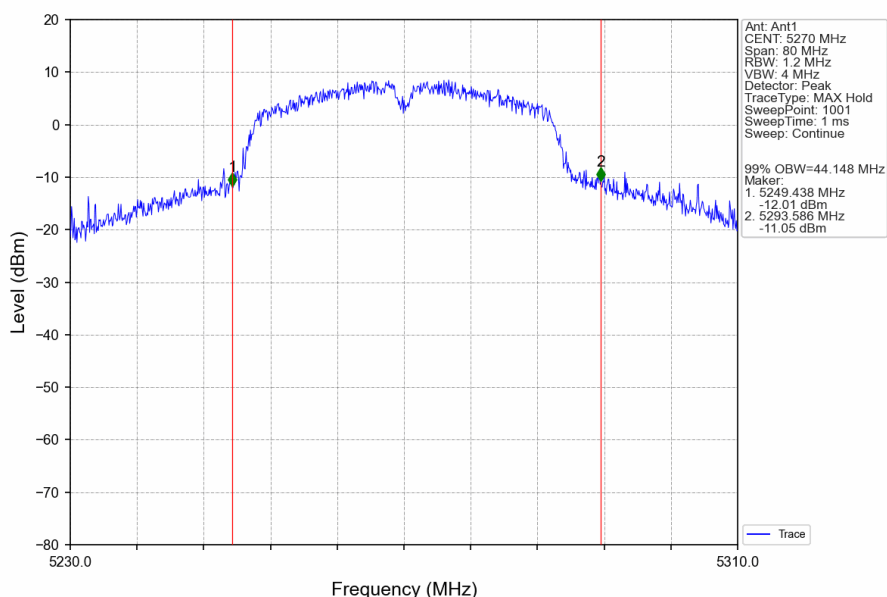
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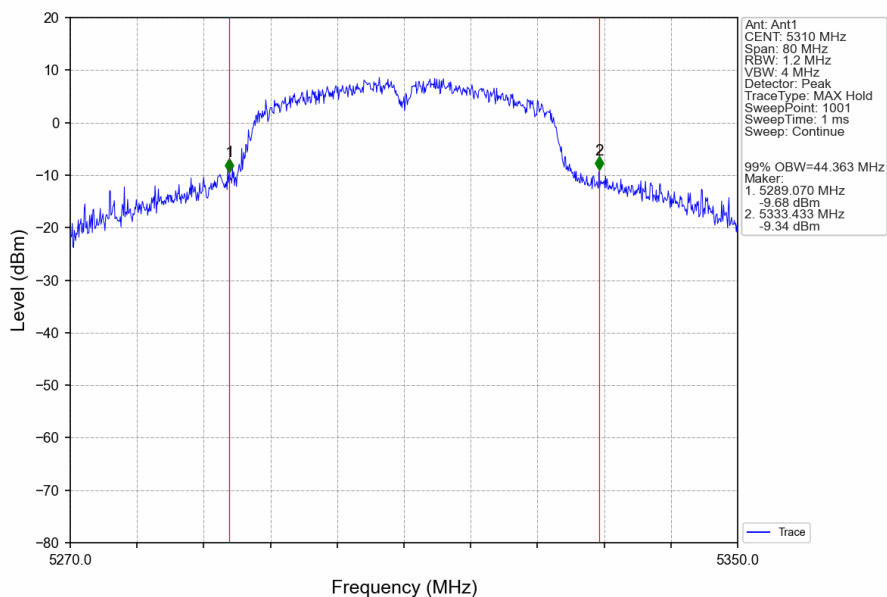
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802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



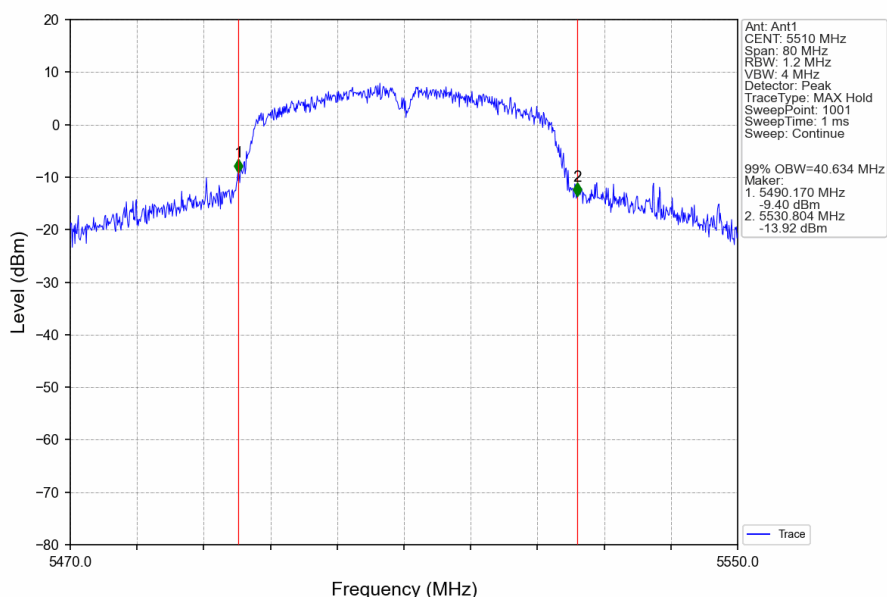
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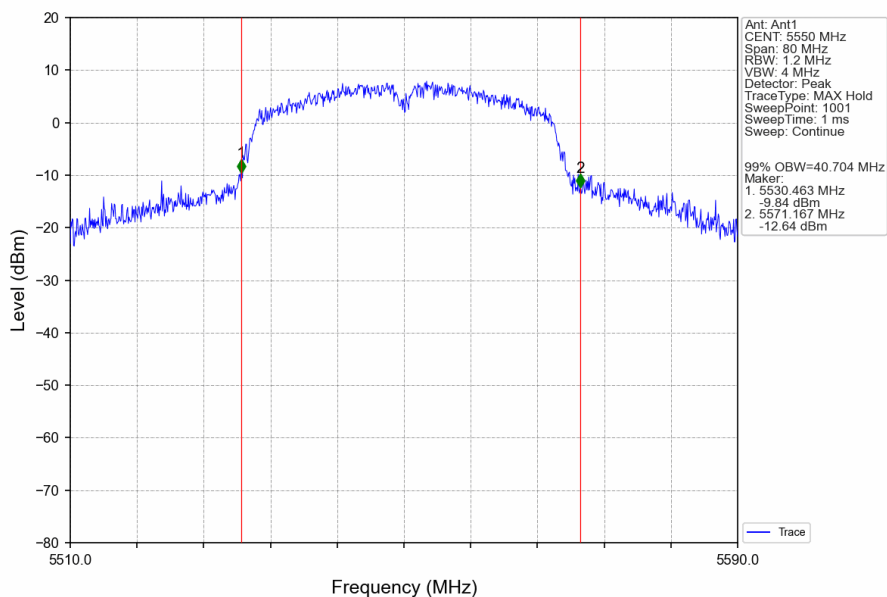
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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant1_NTNV

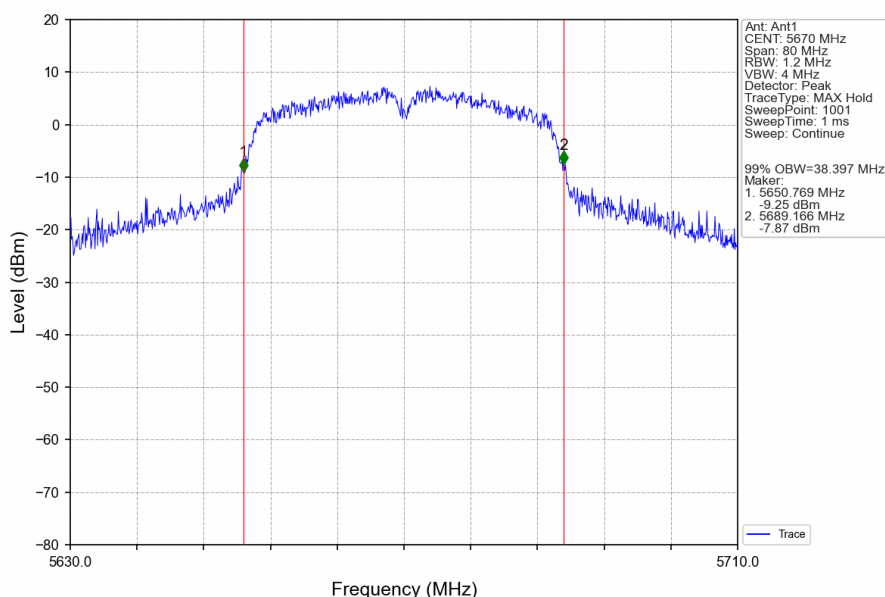


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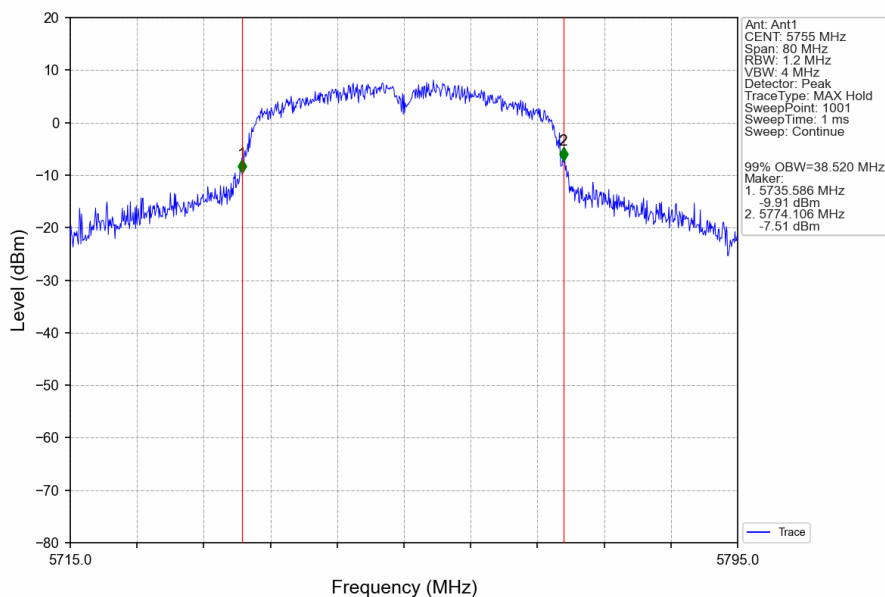
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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



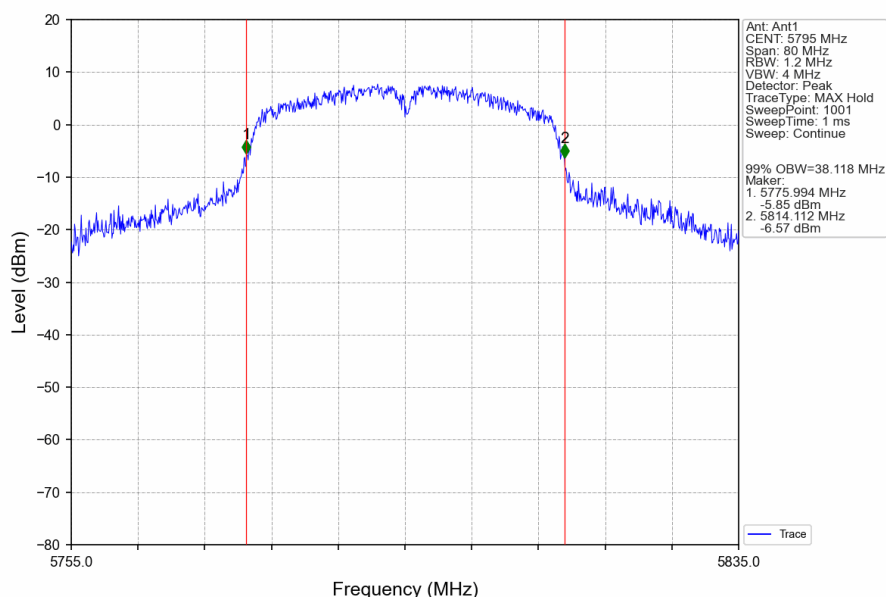
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



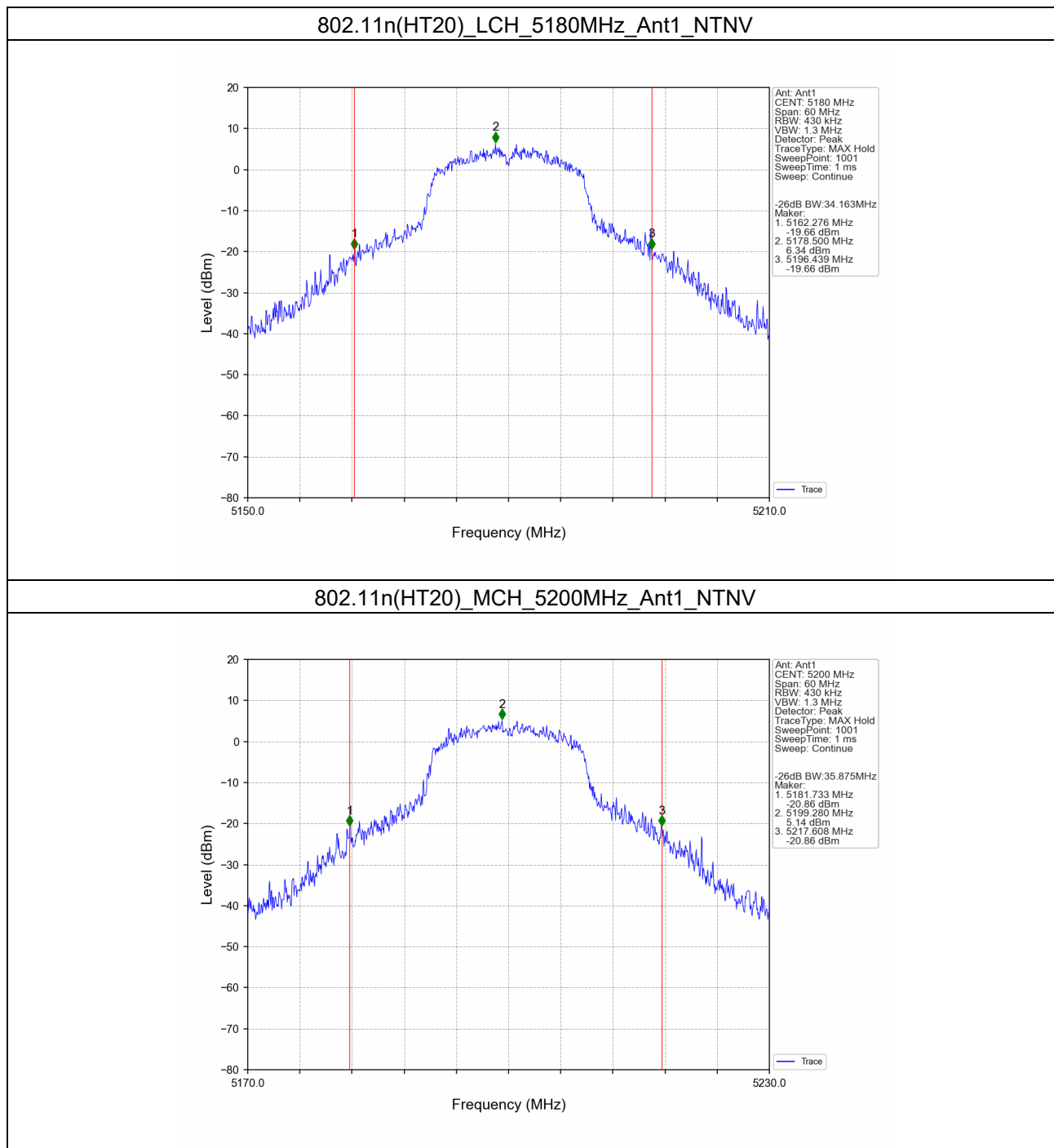
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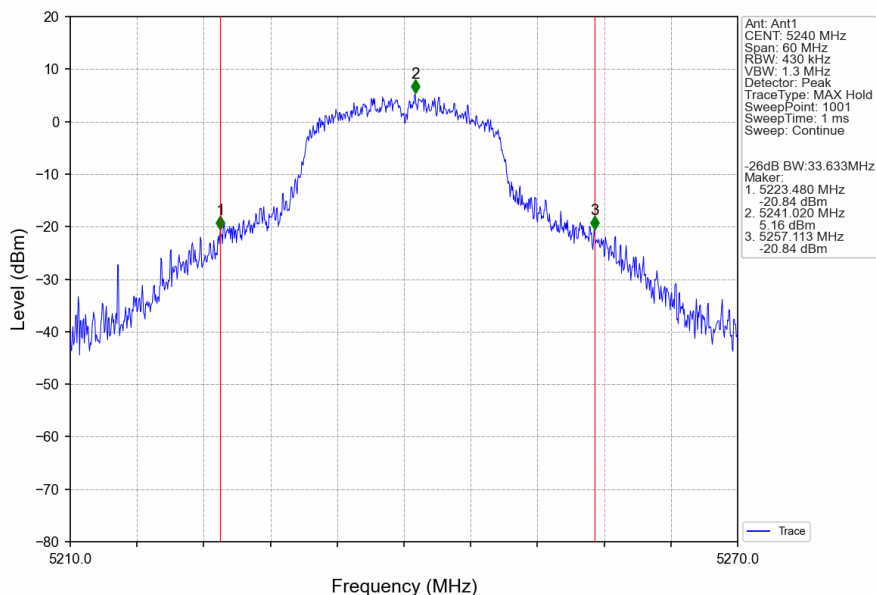
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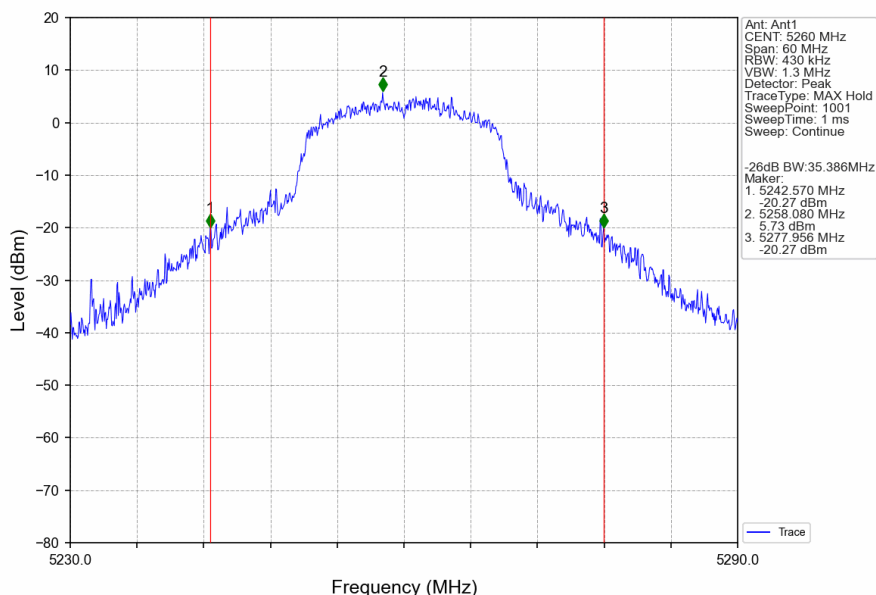
2.2.2 26dB BW



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5260MHz_Ant1_NTNV

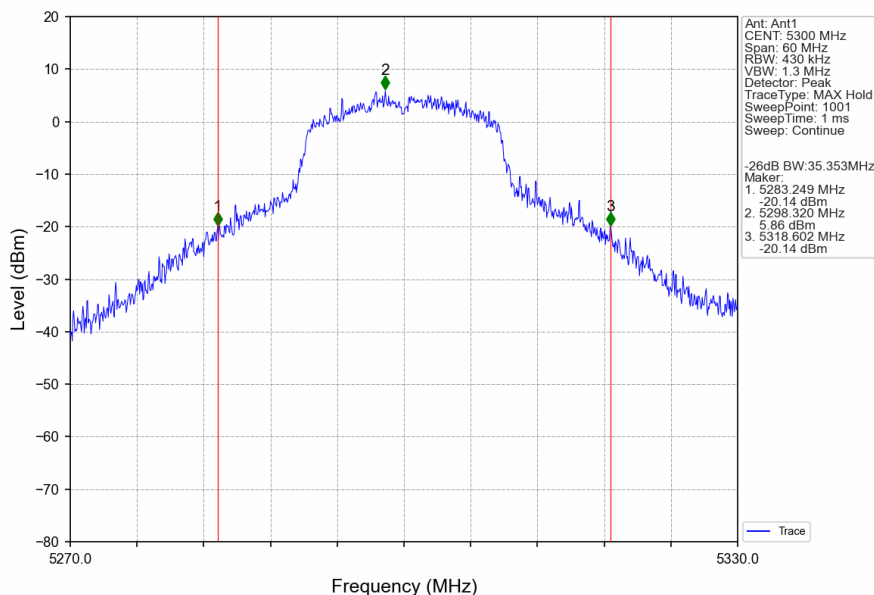


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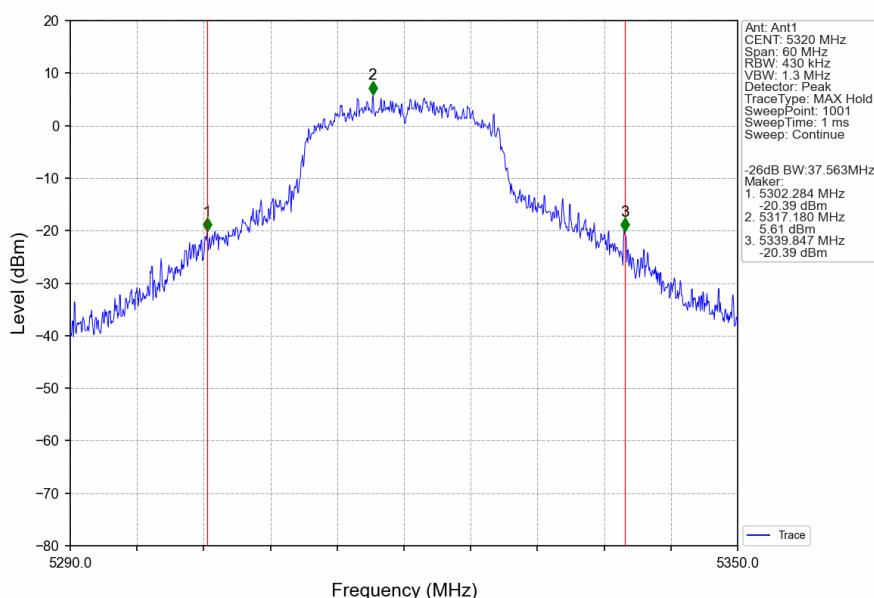
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802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



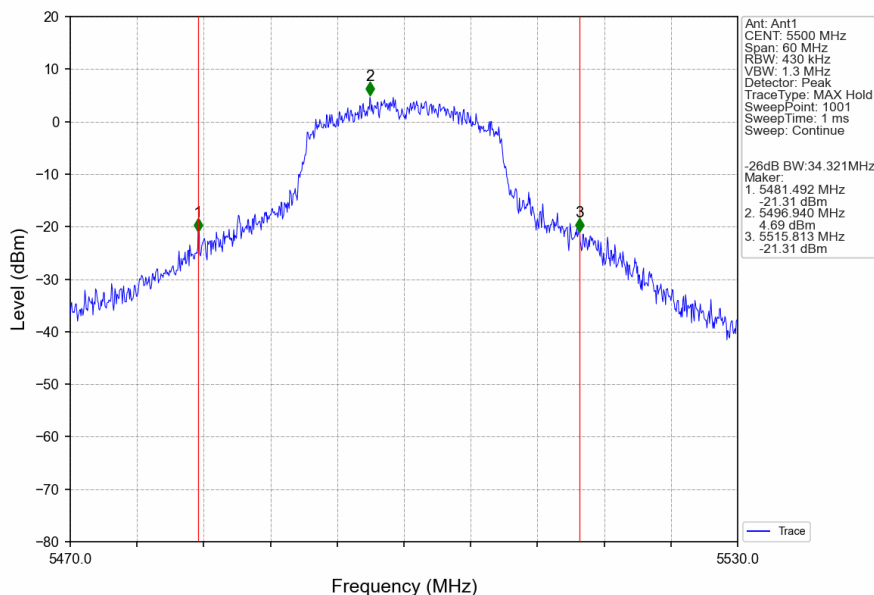
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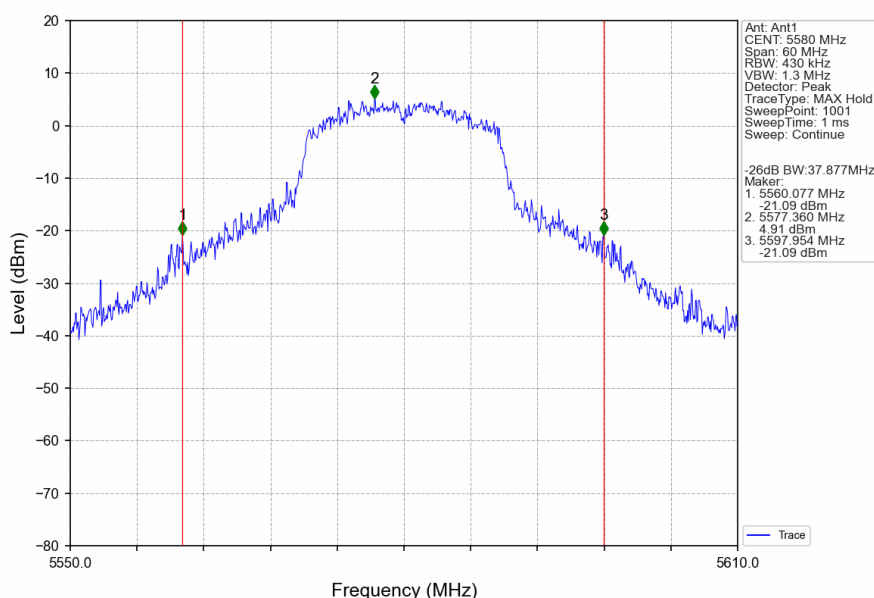
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802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



802.11n(HT20)_MCH_5580MHz_Ant1_NTNV

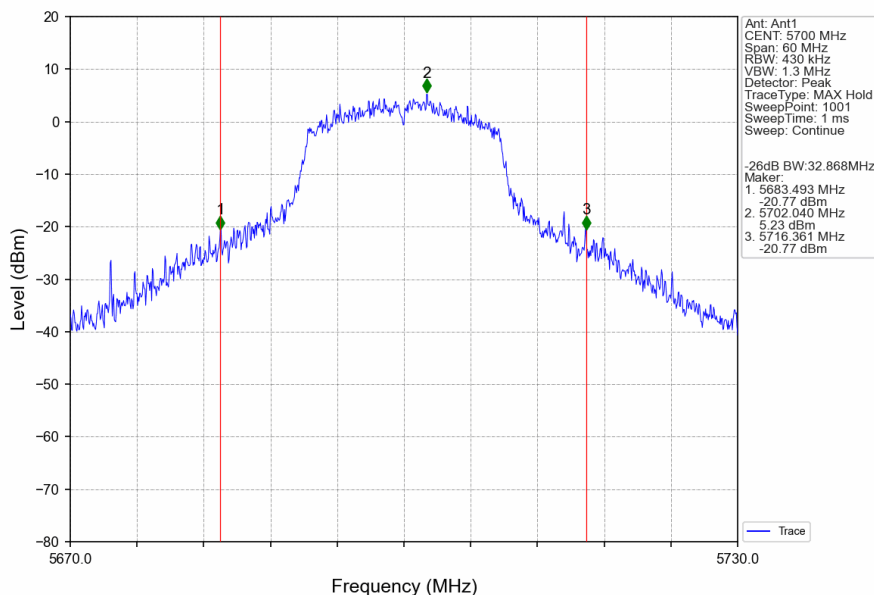


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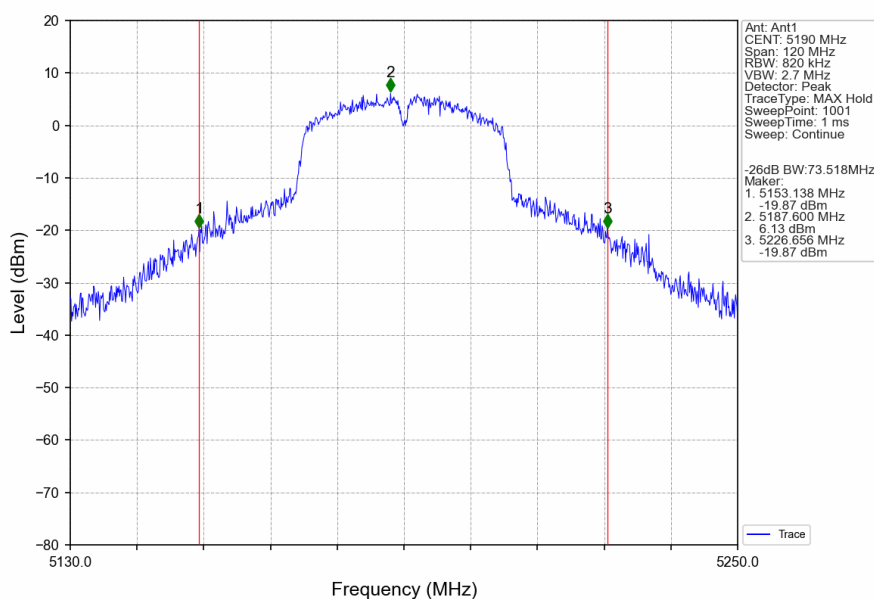
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802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



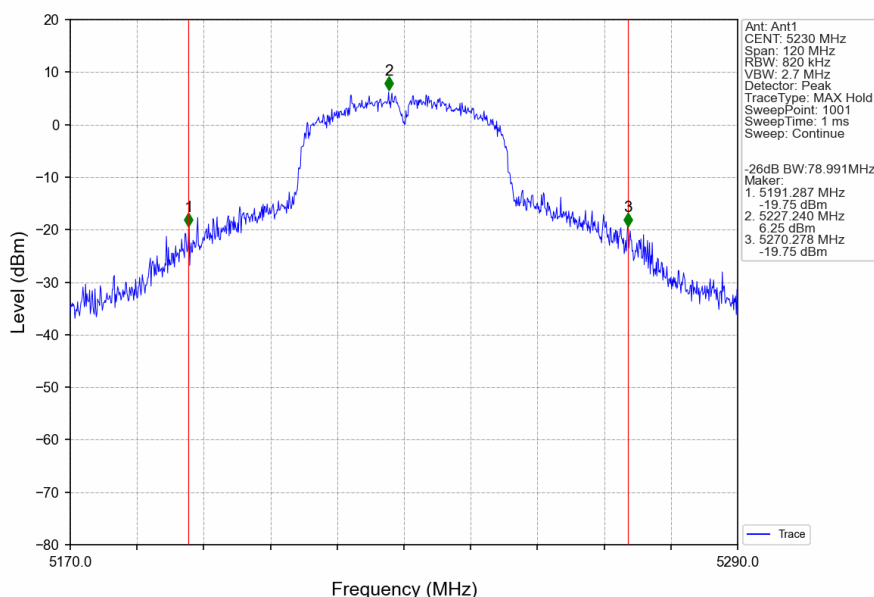
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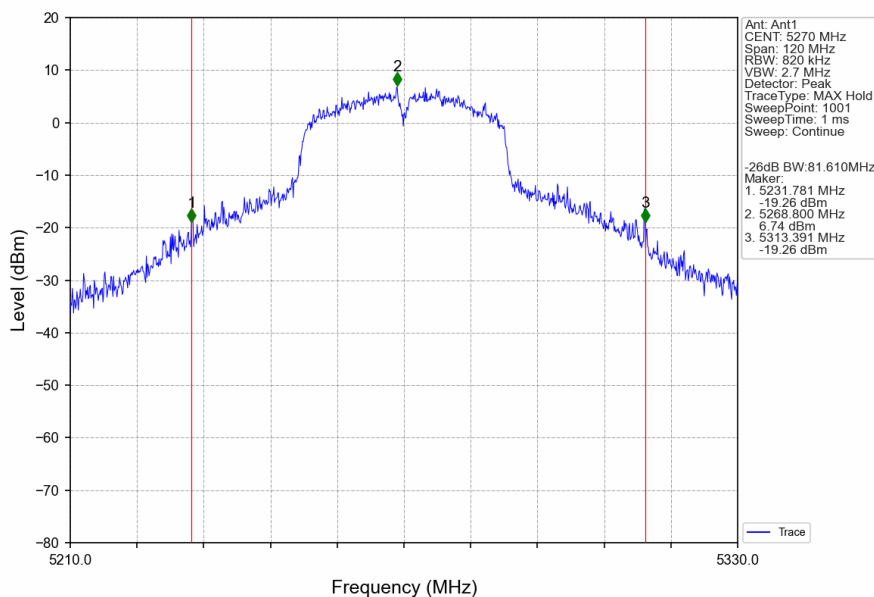
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_LCH_5270MHz_Ant1_NTNV

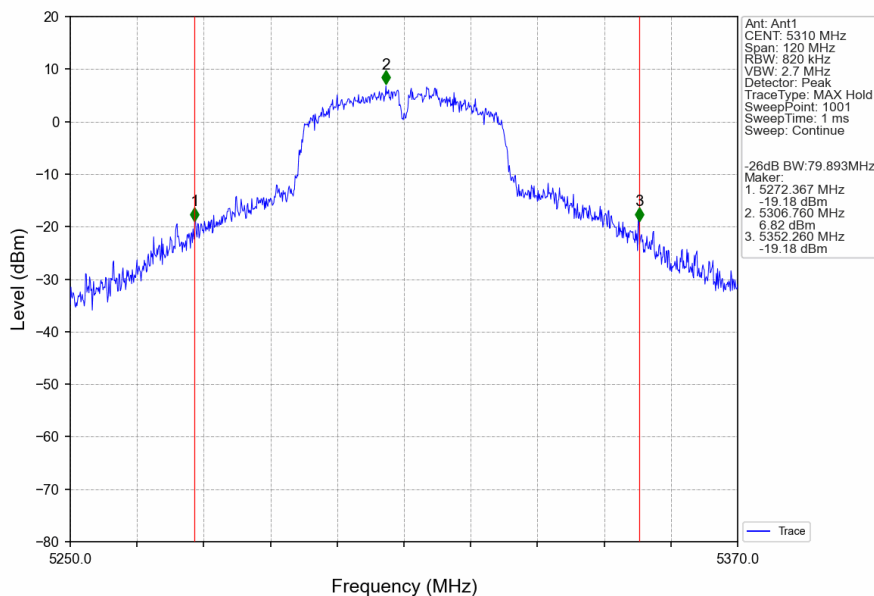


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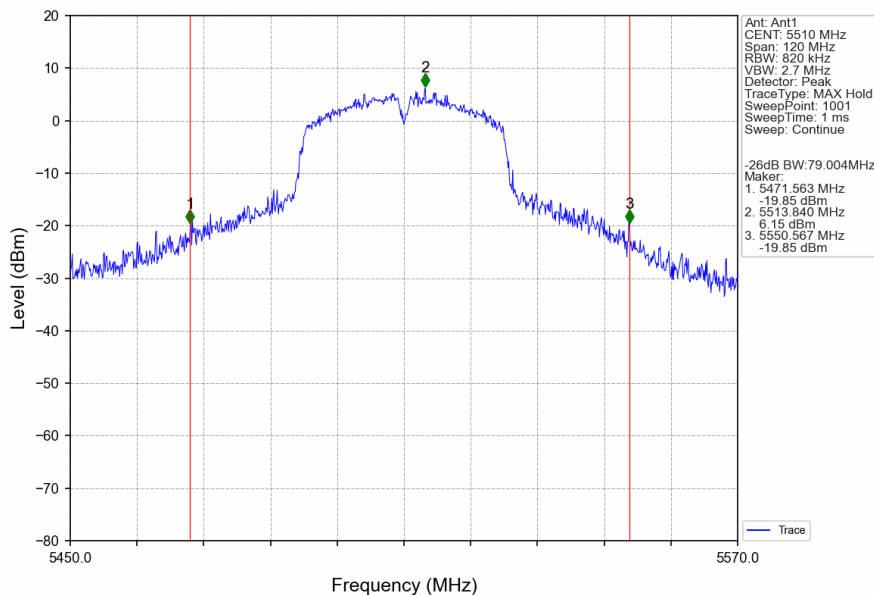
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802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

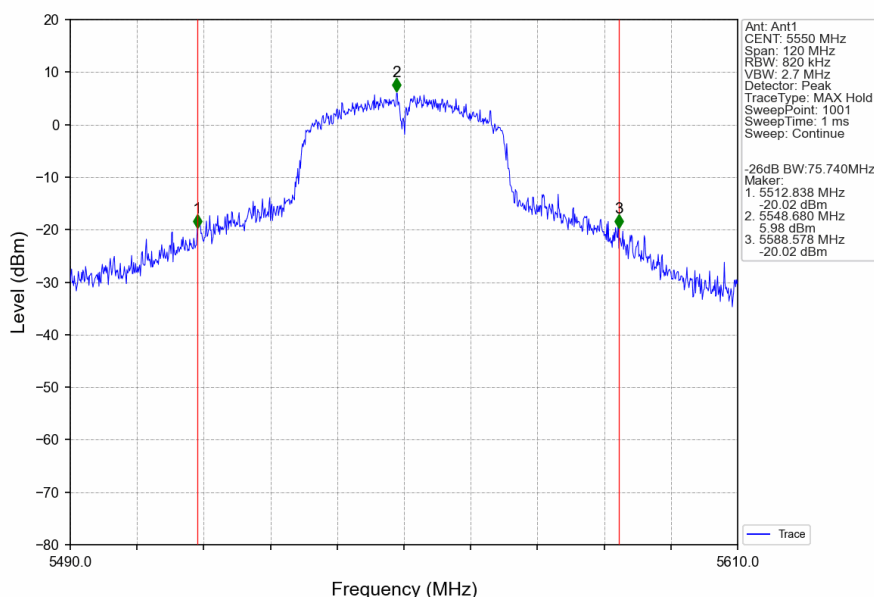


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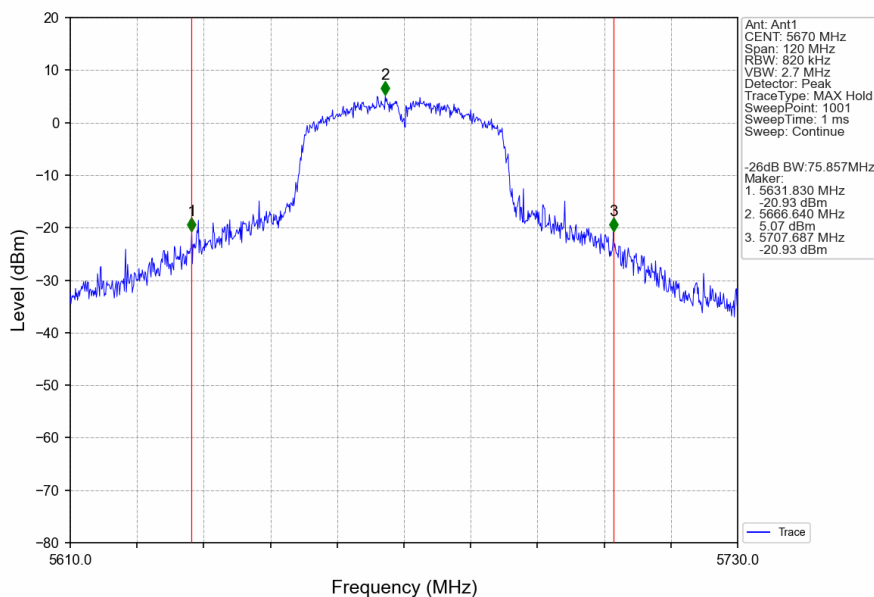
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802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



802.11n(HT40)_HCH_5670MHz_Ant1_NTNV

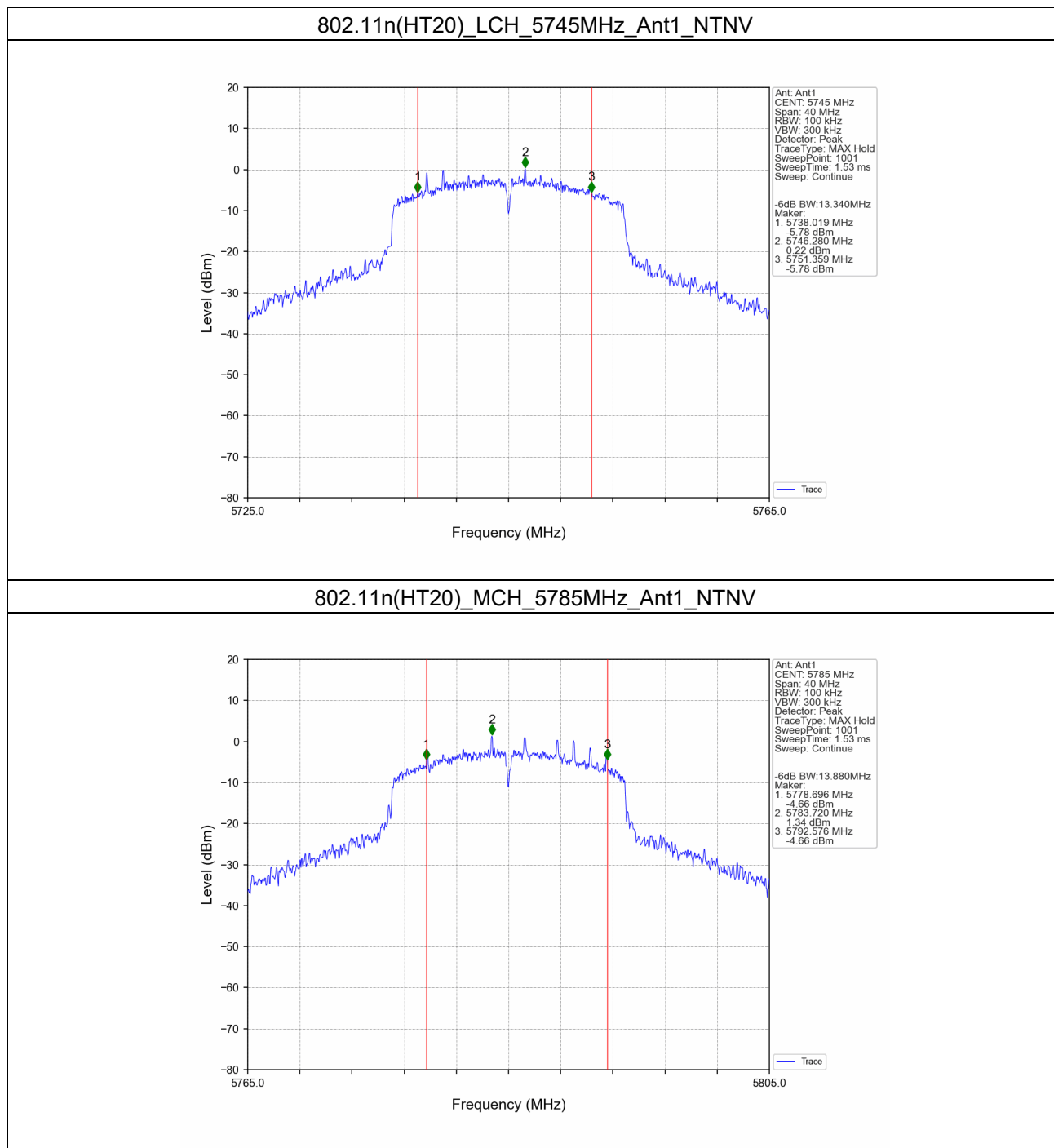


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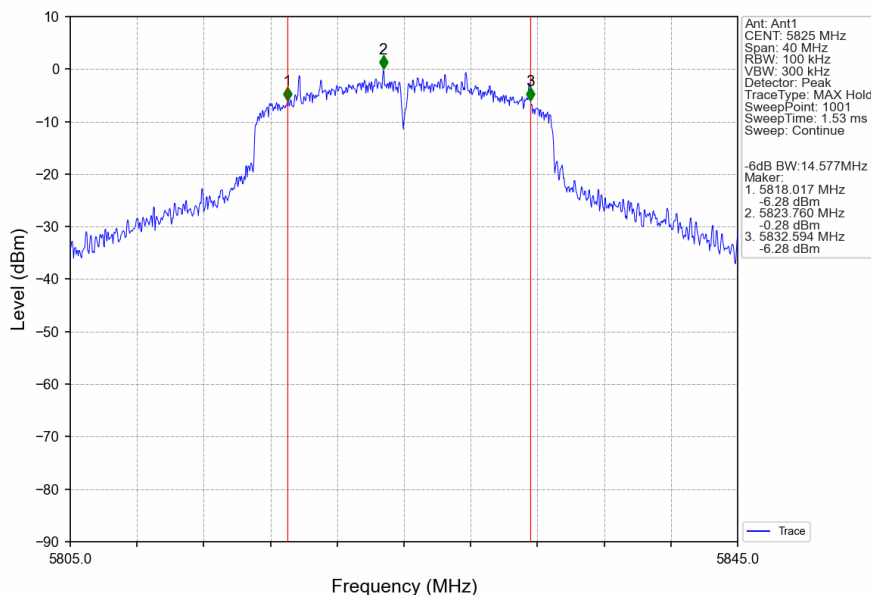
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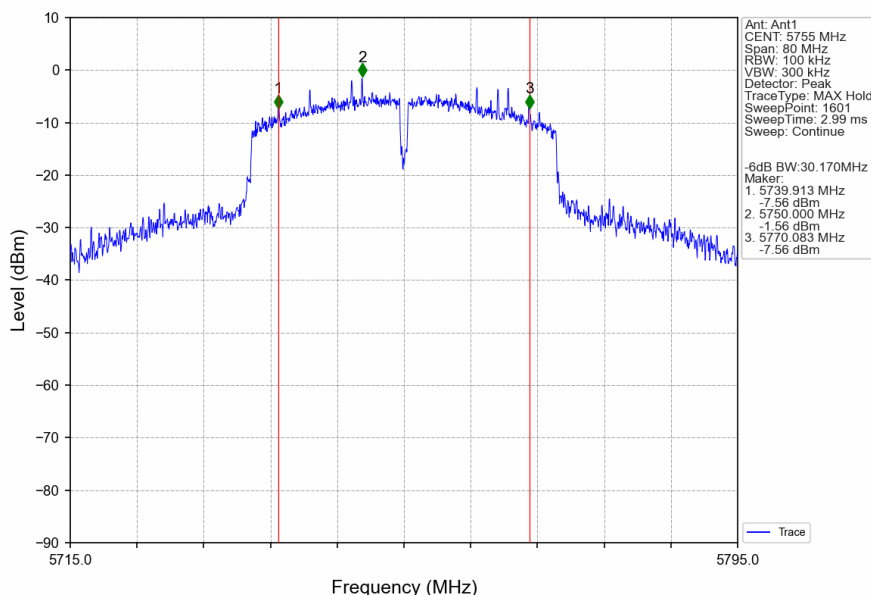
2.2.3 6dB BW



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

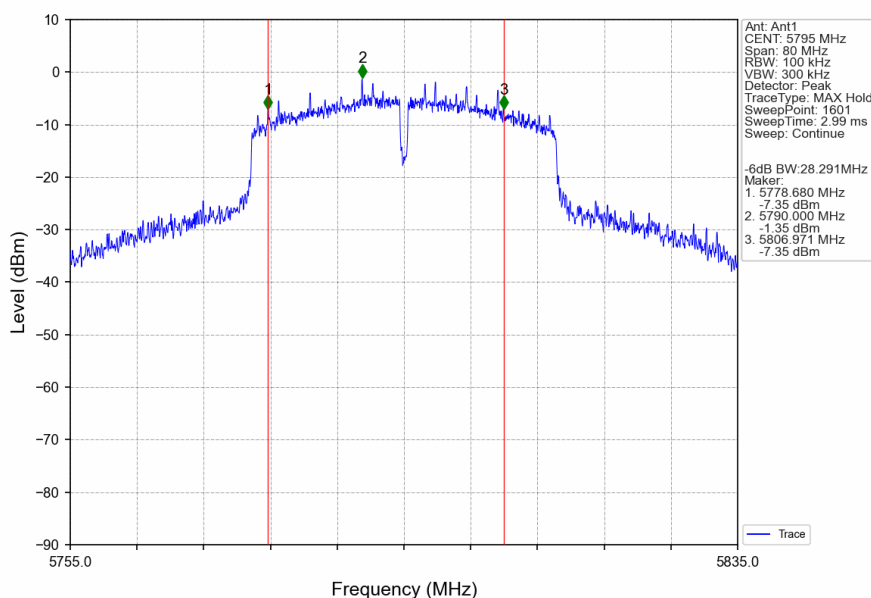


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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11n (HT20)	SISO	5180	12.01	<=23.98	Pass
		5200	11.17	<=23.98	Pass
		5240	10.94	<=23.98	Pass
		5260	11.44	<=23.98	Pass
		5300	11.66	<=23.98	Pass
		5320	11.61	<=23.98	Pass
		5500	10.70	<=23.98	Pass
		5580	11.42	<=23.98	Pass
		5700	10.50	<=23.98	Pass
		5745	11.29	<=30	Pass
		5785	11.37	<=30	Pass
		5825	11.34	<=30	Pass
802.11n (HT40)	SISO	5190	11.68	<=23.98	Pass
		5230	11.52	<=23.98	Pass
		5270	12.14	<=23.98	Pass
		5310	10.85	<=23.98	Pass
		5510	11.32	<=23.98	Pass
		5550	11.57	<=23.98	Pass
		5670	10.93	<=23.98	Pass
		5755	11.50	<=30	Pass
		5795	11.59	<=30	Pass

Note1: Antenna Gain:

- Band: 1 Ant1: 5.46dBi;
- Band: 3 Ant1: 5.46dBi;
- Band: 2A Ant1: 5.46dBi;
- Band: 2C Ant1: 5.46dBi;
- Band: 1+2A Ant1: 5.46dBi;
- Band: 2C+3 Ant1: 5.46dBi;



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	
802.11n (HT20)	SISO	5180	1.76	<=11	Pass
		5200	0.87	<=11	Pass
		5240	0.53	<=11	Pass
		5260	1.01	<=11	Pass
		5300	1.23	<=11	Pass
		5320	1.21	<=11	Pass
		5500	0.37	<=11	Pass
		5580	1.05	<=11	Pass
		5700	0.37	<=11	Pass
802.11n (HT40)	SISO	5190	-1.21	<=11	Pass
		5230	-1.76	<=11	Pass
		5270	-1.11	<=11	Pass
		5310	-2.37	<=11	Pass
		5510	-2.08	<=11	Pass
		5550	-1.01	<=11	Pass
		5670	-2.21	<=11	Pass

Note1: Antenna Gain:

- Band: 1+2A Ant1: 5.46dBi;
- Band: 2C+3 Ant1: 5.46dBi;
- Band: 1 Ant1: 5.46dBi;
- Band: 3 Ant1: 5.46dBi;
- Band: 2A Ant1: 5.46dBi;
- Band: 2C Ant1: 5.46dBi;



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4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11n (HT20)	SISO	5745	-2.21	<=30	Pass
		5785	-1.95	<=30	Pass
		5825	-1.88	<=30	Pass
802.11n (HT40)	SISO	5755	-4.50	<=30	Pass
		5795	-4.27	<=30	Pass

Note1: Antenna Gain:

- Band: 2C+3 Ant1: 5.46dBi;
- Band: 1 Ant1: 5.46dBi;
- Band: 3 Ant1: 5.46dBi;
- Band: 2A Ant1: 5.46dBi;
- Band: 2C Ant1: 5.46dBi;
- Band: 1+2A Ant1: 5.46dBi;



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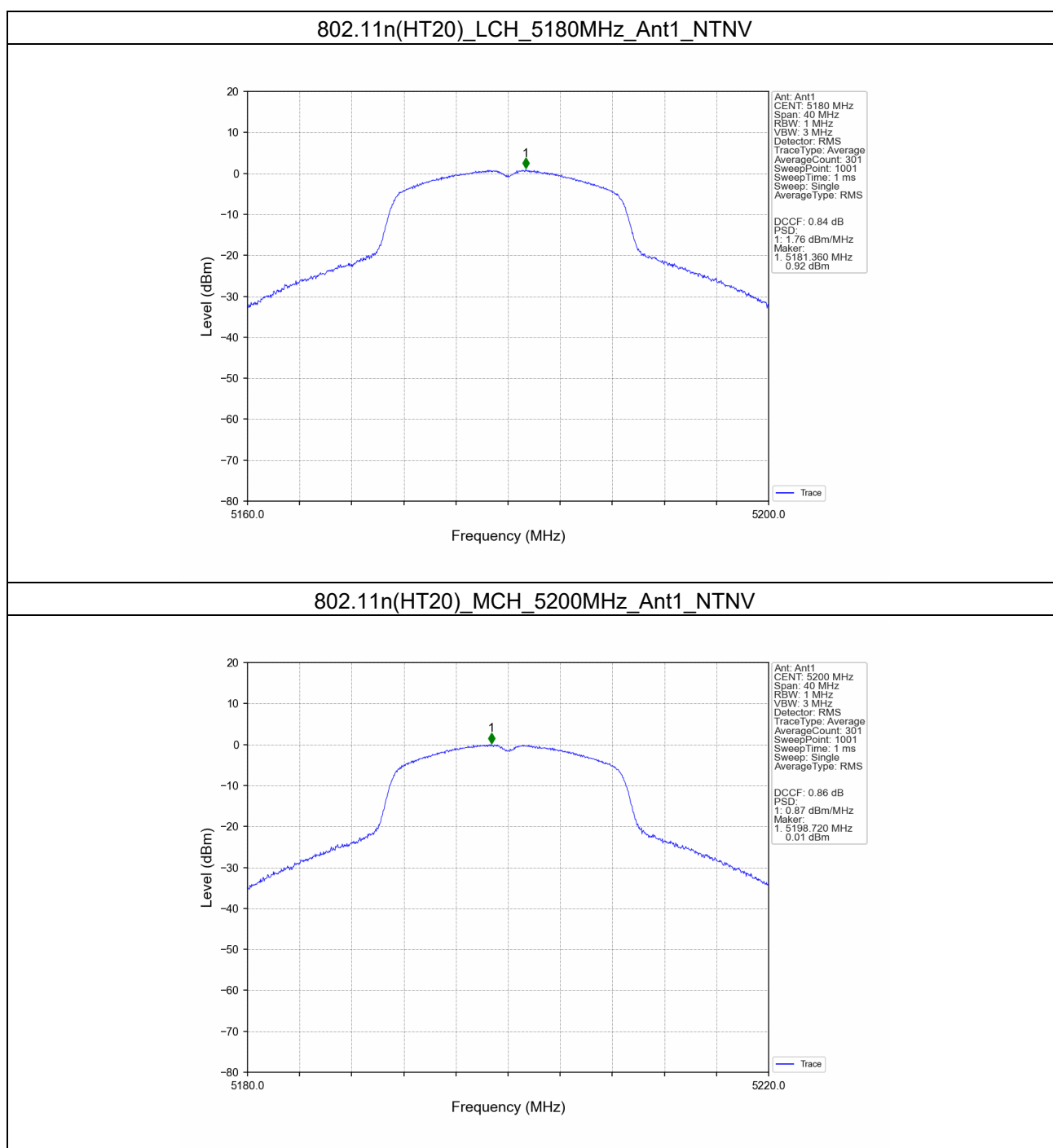
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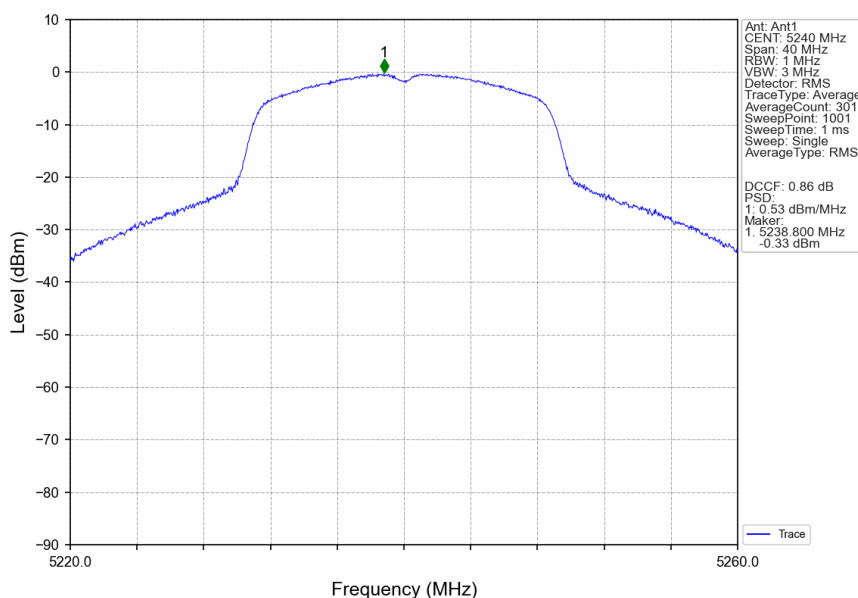
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4.2 Test Graph

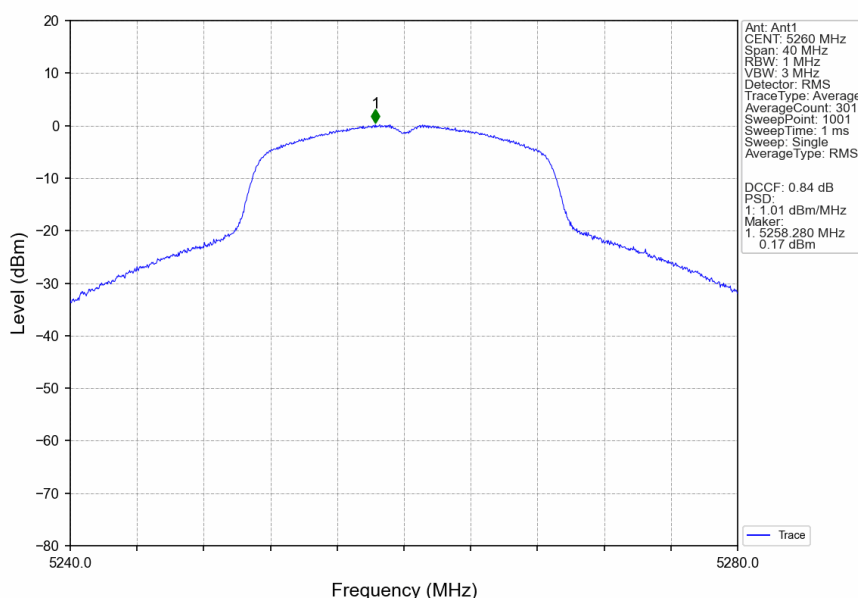
4.2.1 PSD



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



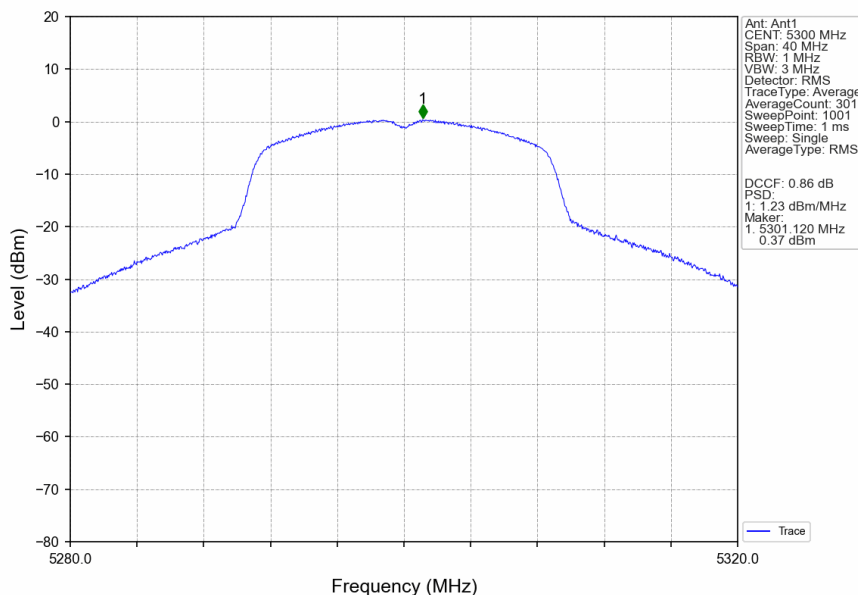
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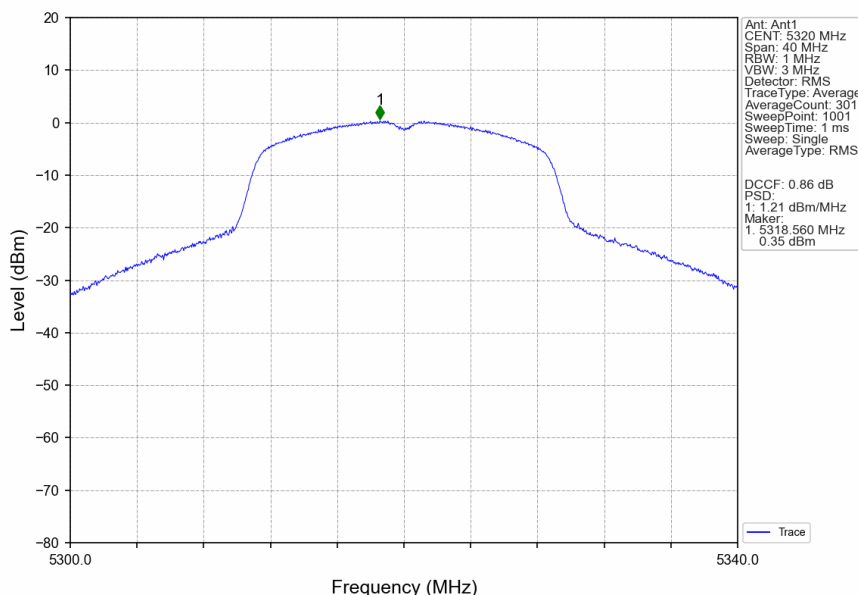
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802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



802.11n(HT20)_HCH_5320MHz_Ant1_NTNV

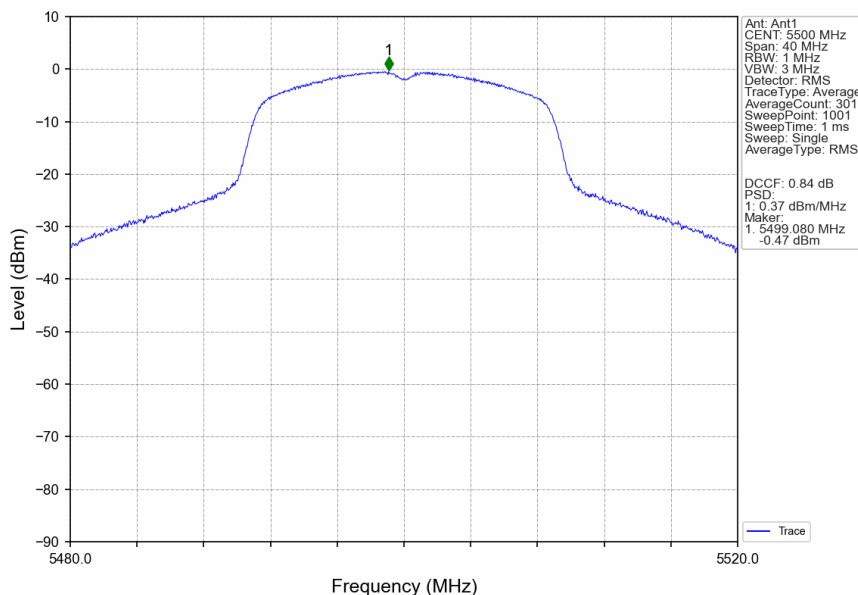


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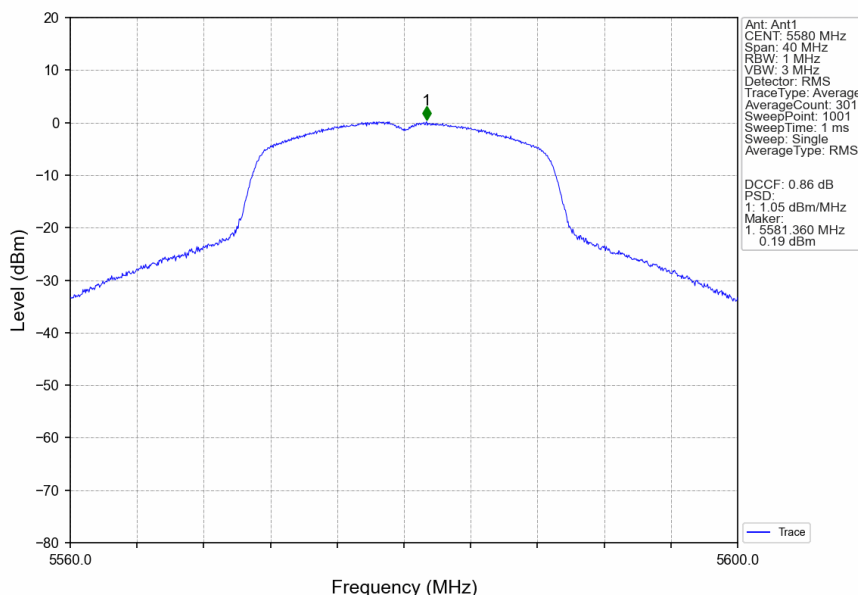
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802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



802.11n(HT20)_MCH_5580MHz_Ant1_NTNV

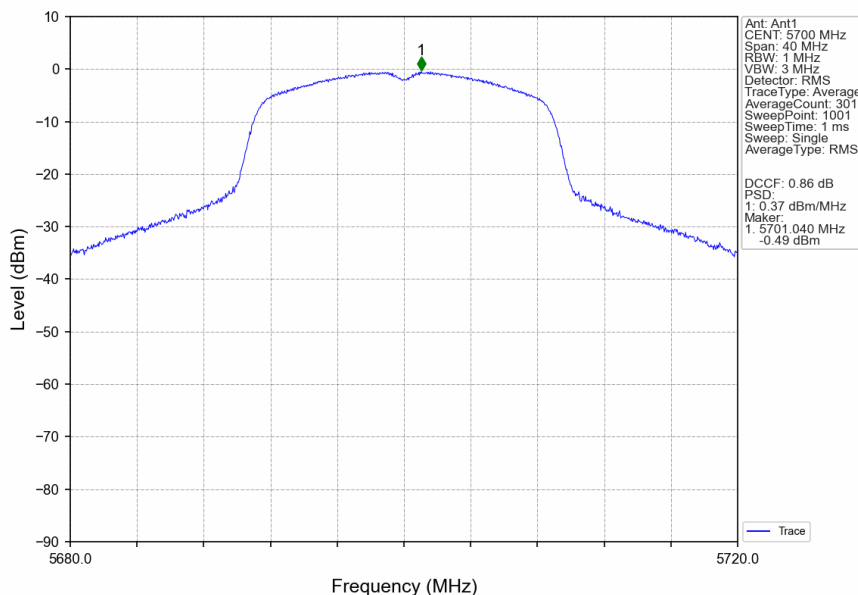


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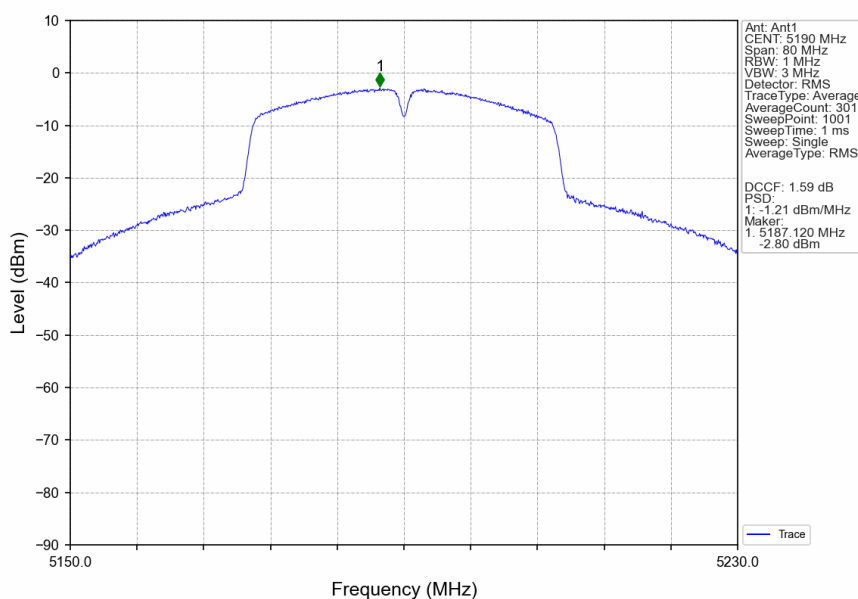
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802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

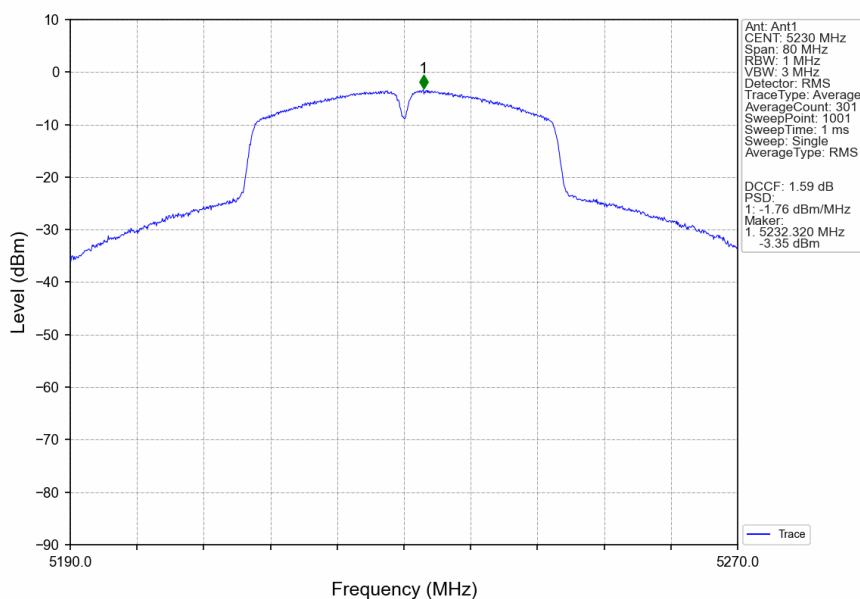


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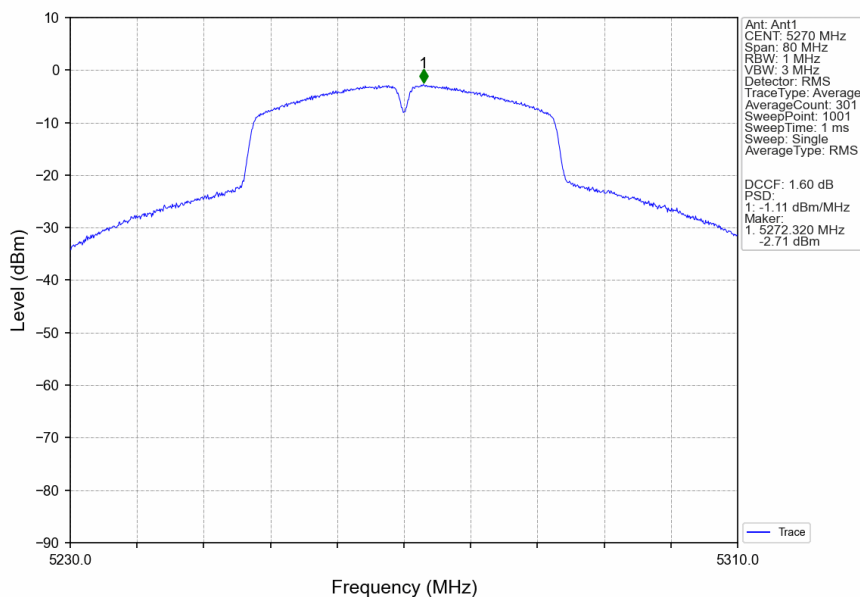
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802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



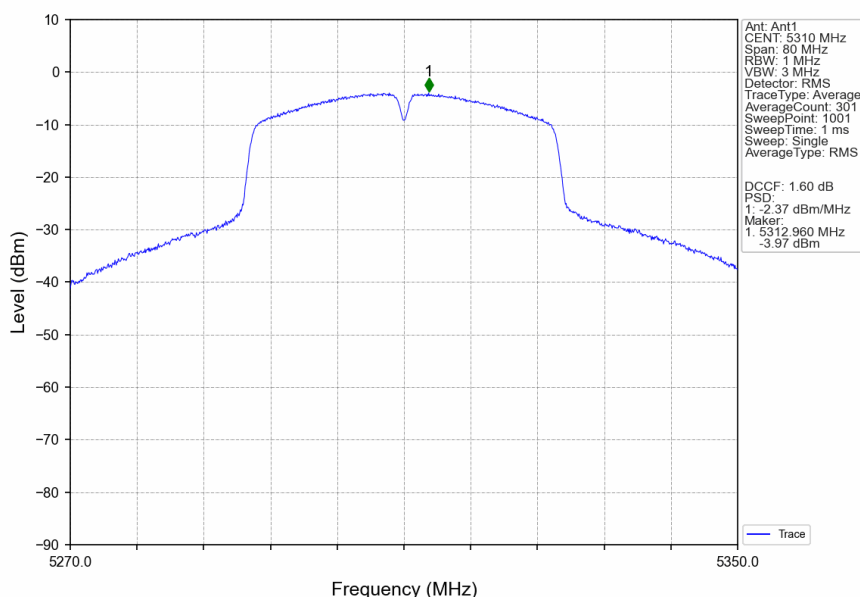
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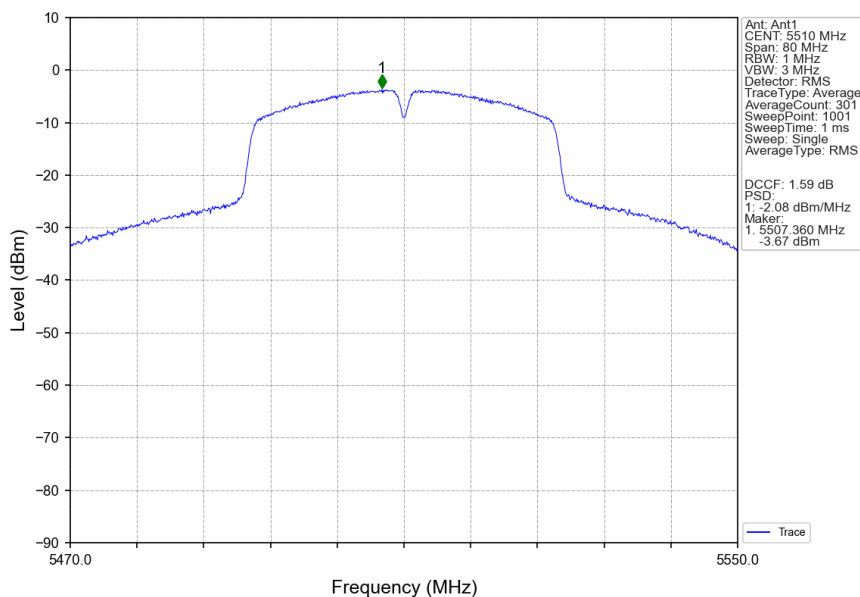
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802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



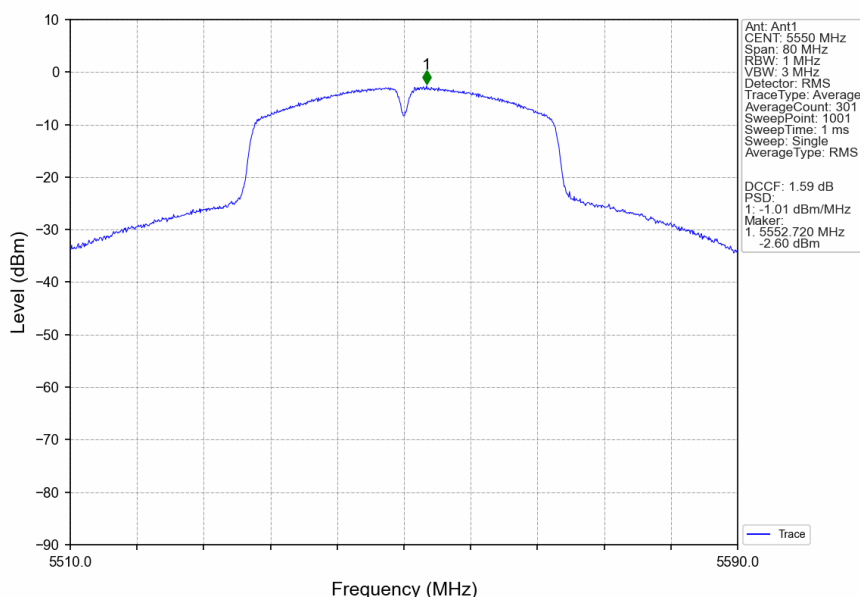
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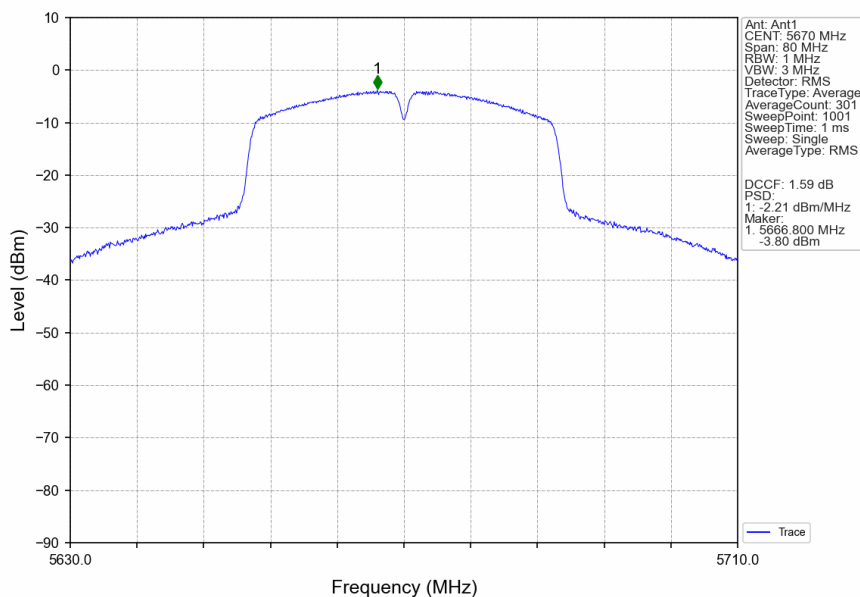
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802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



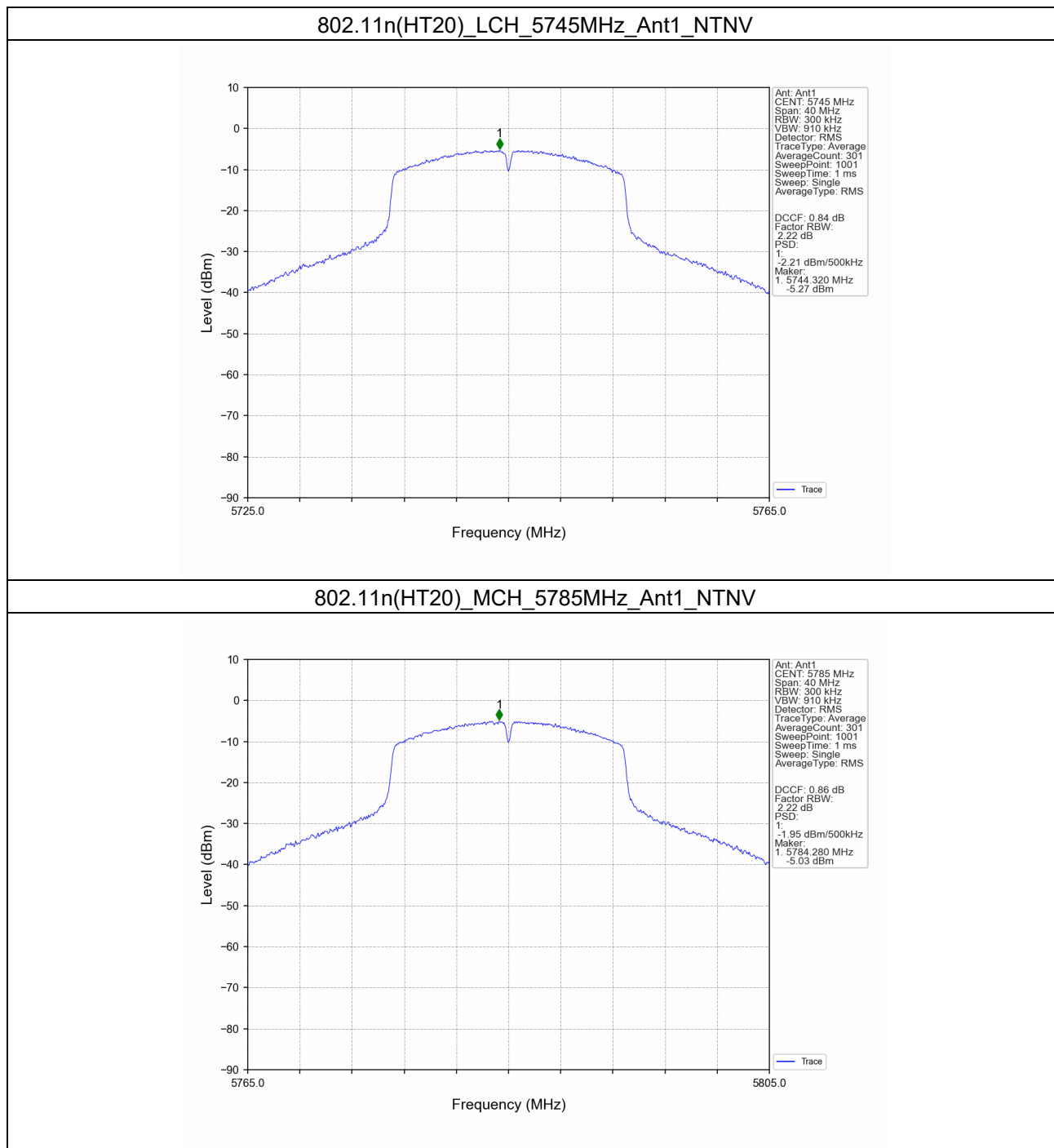
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4.2.2 PSD-Band3



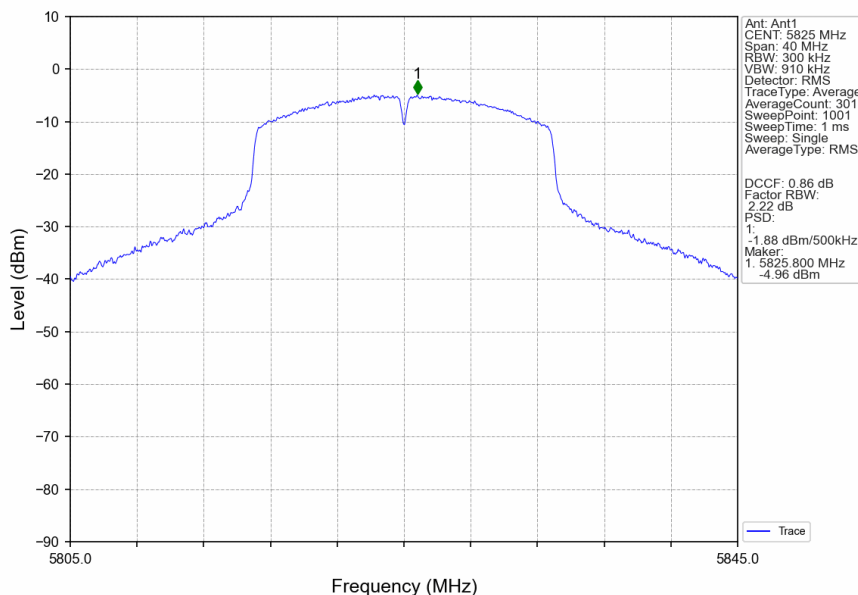
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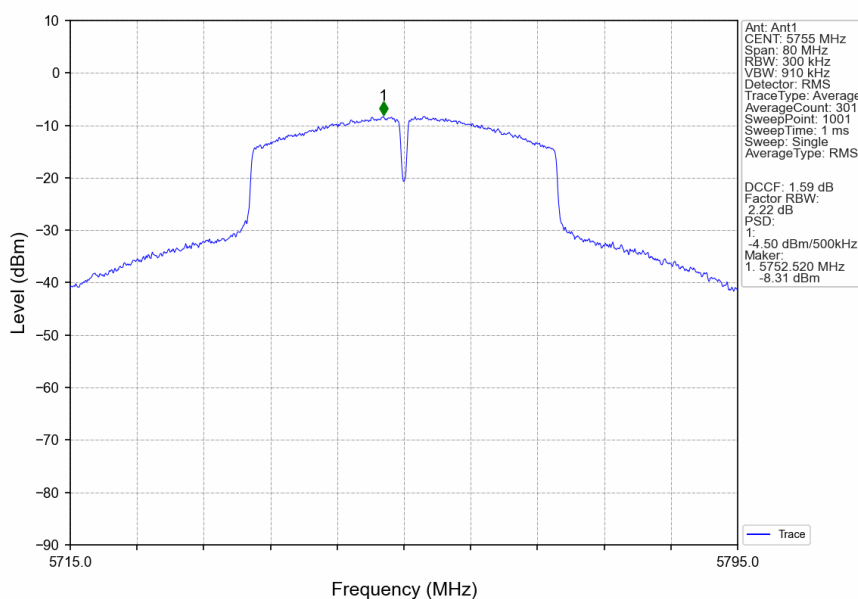
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



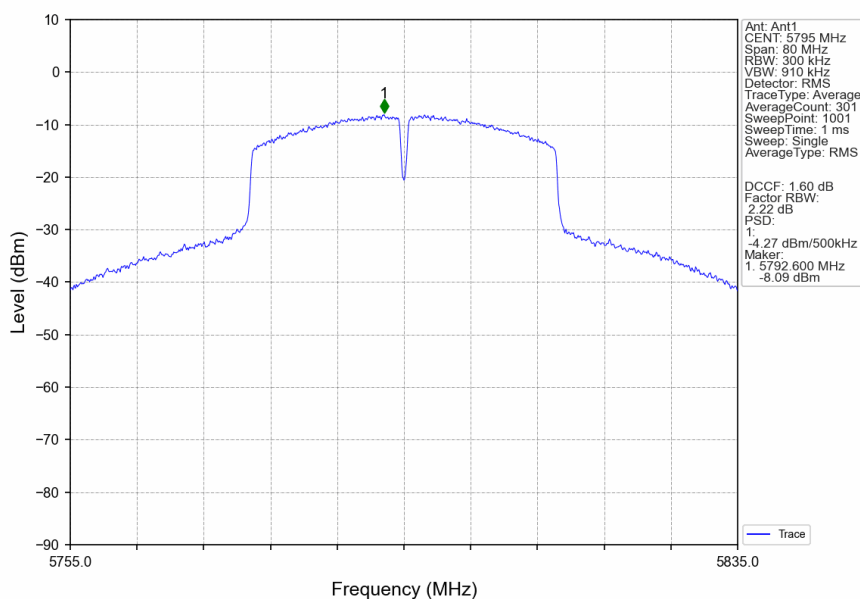
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11n (HT20)	SISO	5180	20	LV	5179.960	5150 to 5250	Pass
				NV	5180.120	5150 to 5250	Pass
				HV	5180.000	5150 to 5250	Pass
			-30	NV	5179.960	5150 to 5250	Pass
			-20	NV	5179.980	5150 to 5250	Pass
			-10	NV	5179.980	5150 to 5250	Pass
			0	NV	5179.900	5150 to 5250	Pass
			10	NV	5180.040	5150 to 5250	Pass
			30	NV	5180.000	5150 to 5250	Pass
			40	NV	5180.040	5150 to 5250	Pass
			50	NV	5180.000	5150 to 5250	Pass
		5200	20	LV	5200.020	5150 to 5250	Pass
				NV	5199.980	5150 to 5250	Pass
				HV	5199.980	5150 to 5250	Pass
			-30	NV	5200.020	5150 to 5250	Pass
			-20	NV	5200.020	5150 to 5250	Pass
			-10	NV	5200.000	5150 to 5250	Pass
			0	NV	5200.020	5150 to 5250	Pass
			10	NV	5200.000	5150 to 5250	Pass
			30	NV	5199.960	5150 to 5250	Pass
			40	NV	5199.980	5150 to 5250	Pass
			50	NV	5199.960	5150 to 5250	Pass
		5240	20	LV	5240.000	5150 to 5250	Pass
				NV	5240.020	5150 to 5250	Pass
				HV	5239.980	5150 to 5250	Pass
			-30	NV	5240.020	5150 to 5250	Pass
			-20	NV	5239.960	5150 to 5250	Pass
			-10	NV	5239.980	5150 to 5250	Pass
			0	NV	5239.960	5150 to 5250	Pass
			10	NV	5239.980	5150 to 5250	Pass



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		30	NV	5240.000	5150 to 5250	Pass
			NV	5240.020	5150 to 5250	Pass
			NV	5240.020	5150 to 5250	Pass
		20	LV	5260.000	5250 to 5350	Pass
			NV	5260.000	5250 to 5350	Pass
			HV	5260.000	5250 to 5350	Pass
		-30	NV	5259.980	5250 to 5350	Pass
		-20	NV	5259.980	5250 to 5350	Pass
		-10	NV	5260.020	5250 to 5350	Pass
		0	NV	5260.000	5250 to 5350	Pass
		10	NV	5259.980	5250 to 5350	Pass
		30	NV	5259.960	5250 to 5350	Pass
		40	NV	5259.980	5250 to 5350	Pass
		50	NV	5259.980	5250 to 5350	Pass
		20	LV	5299.980	5250 to 5350	Pass
			NV	5300.020	5250 to 5350	Pass
			HV	5300.000	5250 to 5350	Pass
		-30	NV	5300.000	5250 to 5350	Pass
		-20	NV	5299.960	5250 to 5350	Pass
		-10	NV	5300.060	5250 to 5350	Pass
		0	NV	5299.980	5250 to 5350	Pass
		10	NV	5300.020	5250 to 5350	Pass
		30	NV	5300.040	5250 to 5350	Pass
		40	NV	5300.020	5250 to 5350	Pass
		50	NV	5299.980	5250 to 5350	Pass
		20	LV	5320.020	5250 to 5350	Pass
			NV	5319.980	5250 to 5350	Pass
			HV	5320.020	5250 to 5350	Pass
		-30	NV	5319.980	5250 to 5350	Pass
		-20	NV	5320.000	5250 to 5350	Pass
		-10	NV	5320.020	5250 to 5350	Pass
		0	NV	5320.000	5250 to 5350	Pass
		10	NV	5320.020	5250 to 5350	Pass
		30	NV	5320.000	5250 to 5350	Pass
		40	NV	5320.040	5250 to 5350	Pass
		50	NV	5320.000	5250 to 5350	Pass
		20	LV	5499.920	5470 to 5725	Pass
			NV	5499.980	5470 to 5725	Pass
			HV	5499.980	5470 to 5725	Pass
		-30	NV	5500.020	5470 to 5725	Pass



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			-20	NV	5499.980	5470 to 5725	Pass
			-10	NV	5500.000	5470 to 5725	Pass
			0	NV	5499.980	5470 to 5725	Pass
			10	NV	5500.040	5470 to 5725	Pass
			30	NV	5500.020	5470 to 5725	Pass
			40	NV	5499.980	5470 to 5725	Pass
			50	NV	5499.980	5470 to 5725	Pass
		5580	20	LV	5579.940	5470 to 5725	Pass
				NV	5580.020	5470 to 5725	Pass
				HV	5579.980	5470 to 5725	Pass
			-30	NV	5579.980	5470 to 5725	Pass
			-20	NV	5580.020	5470 to 5725	Pass
			-10	NV	5580.020	5470 to 5725	Pass
			0	NV	5580.020	5470 to 5725	Pass
			10	NV	5580.000	5470 to 5725	Pass
			30	NV	5580.060	5470 to 5725	Pass
			40	NV	5580.000	5470 to 5725	Pass
			50	NV	5580.000	5470 to 5725	Pass
		5700	20	LV	5700.000	5470 to 5725	Pass
				NV	5699.980	5470 to 5725	Pass
				HV	5700.060	5470 to 5725	Pass
			-30	NV	5699.980	5470 to 5725	Pass
			-20	NV	5699.980	5470 to 5725	Pass
			-10	NV	5700.000	5470 to 5725	Pass
			0	NV	5700.100	5470 to 5725	Pass
			10	NV	5700.040	5470 to 5725	Pass
			30	NV	5700.000	5470 to 5725	Pass
			40	NV	5699.980	5470 to 5725	Pass
			50	NV	5700.000	5470 to 5725	Pass
		5745	20	LV	5744.920	5725 to 5850	Pass
				NV	5745.000	5725 to 5850	Pass
				HV	5745.040	5725 to 5850	Pass
			-30	NV	5744.980	5725 to 5850	Pass
			-20	NV	5744.880	5725 to 5850	Pass
			-10	NV	5745.020	5725 to 5850	Pass
			0	NV	5745.000	5725 to 5850	Pass
			10	NV	5745.020	5725 to 5850	Pass
			30	NV	5744.960	5725 to 5850	Pass
			40	NV	5745.040	5725 to 5850	Pass
			50	NV	5745.040	5725 to 5850	Pass



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		5785	20	LV	5784.980	5725 to 5850	Pass
				NV	5784.900	5725 to 5850	Pass
				HV	5785.020	5725 to 5850	Pass
			-30	NV	5785.020	5725 to 5850	Pass
			-20	NV	5785.000	5725 to 5850	Pass
			-10	NV	5785.040	5725 to 5850	Pass
			0	NV	5785.020	5725 to 5850	Pass
			10	NV	5784.980	5725 to 5850	Pass
			30	NV	5784.980	5725 to 5850	Pass
			40	NV	5785.060	5725 to 5850	Pass
			50	NV	5785.000	5725 to 5850	Pass
		5825	20	LV	5824.980	5725 to 5850	Pass
				NV	5824.980	5725 to 5850	Pass
				HV	5825.000	5725 to 5850	Pass
			-30	NV	5824.960	5725 to 5850	Pass
			-20	NV	5825.000	5725 to 5850	Pass
			-10	NV	5825.020	5725 to 5850	Pass
			0	NV	5825.000	5725 to 5850	Pass
			10	NV	5824.960	5725 to 5850	Pass
			30	NV	5825.000	5725 to 5850	Pass
			40	NV	5825.000	5725 to 5850	Pass
			50	NV	5825.000	5725 to 5850	Pass
802.11n (HT40)	SISO	5190	20	LV	5190.080	5150 to 5250	Pass
				NV	5190.040	5150 to 5250	Pass
				HV	5190.000	5150 to 5250	Pass
			-30	NV	5189.960	5150 to 5250	Pass
			-20	NV	5189.960	5150 to 5250	Pass
			-10	NV	5189.920	5150 to 5250	Pass
			0	NV	5190.040	5150 to 5250	Pass
			10	NV	5190.040	5150 to 5250	Pass
			30	NV	5189.960	5150 to 5250	Pass
			40	NV	5189.960	5150 to 5250	Pass
			50	NV	5190.000	5150 to 5250	Pass
		5230	20	LV	5230.000	5150 to 5250	Pass
				NV	5230.040	5150 to 5250	Pass
				HV	5229.960	5150 to 5250	Pass
			-30	NV	5230.040	5150 to 5250	Pass
			-20	NV	5230.040	5150 to 5250	Pass
			-10	NV	5230.120	5150 to 5250	Pass
			0	NV	5229.960	5150 to 5250	Pass



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			10	NV	5229.960	5150 to 5250	Pass
			30	NV	5230.000	5150 to 5250	Pass
			40	NV	5229.960	5150 to 5250	Pass
			50	NV	5230.120	5150 to 5250	Pass
		5270	20	LV	5270.000	5250 to 5350	Pass
				NV	5270.040	5250 to 5350	Pass
				HV	5269.960	5250 to 5350	Pass
			-30	NV	5270.080	5250 to 5350	Pass
			-20	NV	5270.080	5250 to 5350	Pass
			-10	NV	5269.960	5250 to 5350	Pass
			0	NV	5270.080	5250 to 5350	Pass
			10	NV	5270.040	5250 to 5350	Pass
			30	NV	5270.000	5250 to 5350	Pass
			40	NV	5270.040	5250 to 5350	Pass
			50	NV	5270.040	5250 to 5350	Pass
					5310	20	LV
NV	5310.000	5250 to 5350					Pass
HV	5309.920	5250 to 5350					Pass
-30	NV	5309.960				5250 to 5350	Pass
-20	NV	5310.120				5250 to 5350	Pass
-10	NV	5309.960				5250 to 5350	Pass
0	NV	5310.000				5250 to 5350	Pass
10	NV	5310.040				5250 to 5350	Pass
30	NV	5310.040				5250 to 5350	Pass
40	NV	5309.960				5250 to 5350	Pass
50	NV	5309.920				5250 to 5350	Pass
		5510				20	LV
			NV	5510.000	5470 to 5725		Pass
			HV	5510.000	5470 to 5725		Pass
			-30	NV	5510.000	5470 to 5725	Pass
			-20	NV	5510.040	5470 to 5725	Pass
			-10	NV	5509.920	5470 to 5725	Pass
			0	NV	5509.960	5470 to 5725	Pass
			10	NV	5510.040	5470 to 5725	Pass
			30	NV	5509.920	5470 to 5725	Pass
			40	NV	5509.960	5470 to 5725	Pass
			50	NV	5510.000	5470 to 5725	Pass
					5550	20	LV
NV	5550.040	5470 to 5725					Pass
HV	5550.040	5470 to 5725					Pass



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			-30	NV	5550.080	5470 to 5725	Pass
			-20	NV	5550.040	5470 to 5725	Pass
			-10	NV	5550.080	5470 to 5725	Pass
			0	NV	5549.920	5470 to 5725	Pass
			10	NV	5550.000	5470 to 5725	Pass
			30	NV	5550.080	5470 to 5725	Pass
			40	NV	5549.960	5470 to 5725	Pass
			50	NV	5549.960	5470 to 5725	Pass
		5670	20	LV	5669.960	5470 to 5725	Pass
				NV	5670.040	5470 to 5725	Pass
				HV	5670.040	5470 to 5725	Pass
			-30	NV	5670.000	5470 to 5725	Pass
			-20	NV	5670.040	5470 to 5725	Pass
			-10	NV	5670.000	5470 to 5725	Pass
			0	NV	5669.920	5470 to 5725	Pass
			10	NV	5669.880	5470 to 5725	Pass
			30	NV	5670.000	5470 to 5725	Pass
			40	NV	5669.880	5470 to 5725	Pass
			50	NV	5670.000	5470 to 5725	Pass
		5755	20	LV	5754.960	5725 to 5850	Pass
				NV	5755.040	5725 to 5850	Pass
				HV	5754.960	5725 to 5850	Pass
			-30	NV	5755.120	5725 to 5850	Pass
			-20	NV	5755.040	5725 to 5850	Pass
			-10	NV	5755.080	5725 to 5850	Pass
			0	NV	5755.000	5725 to 5850	Pass
			10	NV	5754.960	5725 to 5850	Pass
			30	NV	5754.960	5725 to 5850	Pass
			40	NV	5755.000	5725 to 5850	Pass
			50	NV	5755.000	5725 to 5850	Pass
		5795	20	LV	5794.920	5725 to 5850	Pass
				NV	5795.040	5725 to 5850	Pass
				HV	5794.960	5725 to 5850	Pass
			-30	NV	5795.000	5725 to 5850	Pass
			-20	NV	5795.040	5725 to 5850	Pass
			-10	NV	5795.000	5725 to 5850	Pass
			0	NV	5795.000	5725 to 5850	Pass
			10	NV	5795.080	5725 to 5850	Pass
			30	NV	5795.000	5725 to 5850	Pass
			40	NV	5795.080	5725 to 5850	Pass



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			50	NV	5795.040	5725 to 5850	Pass
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Remark:

NV means Normal Voltage: 7.2V (2*3.6V batteries)

LV means Low Extreme Test Voltage: 6.12V

HV means Low Extreme Test Voltage: 8.28V

- End of the Report -



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