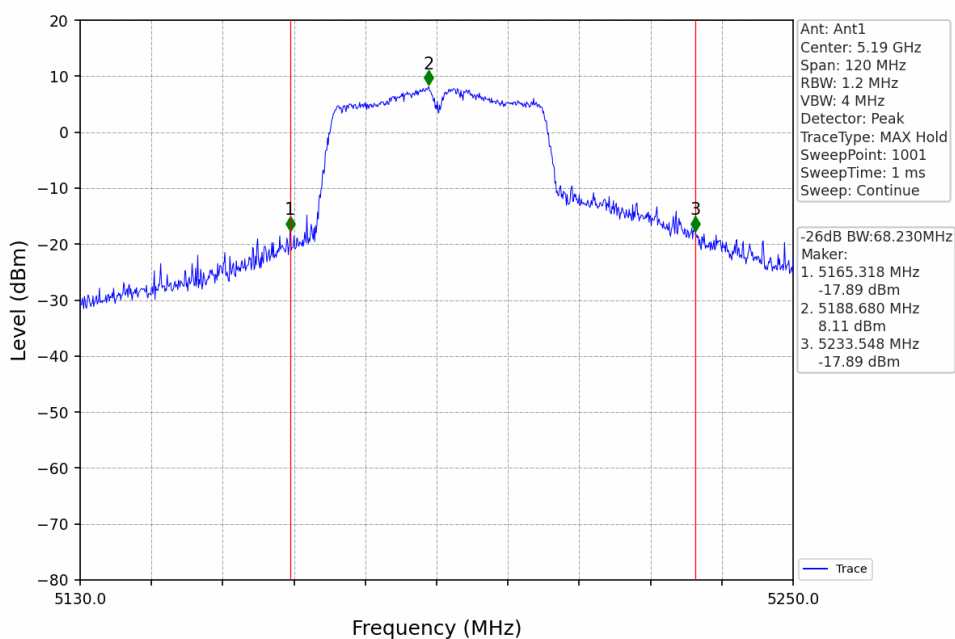
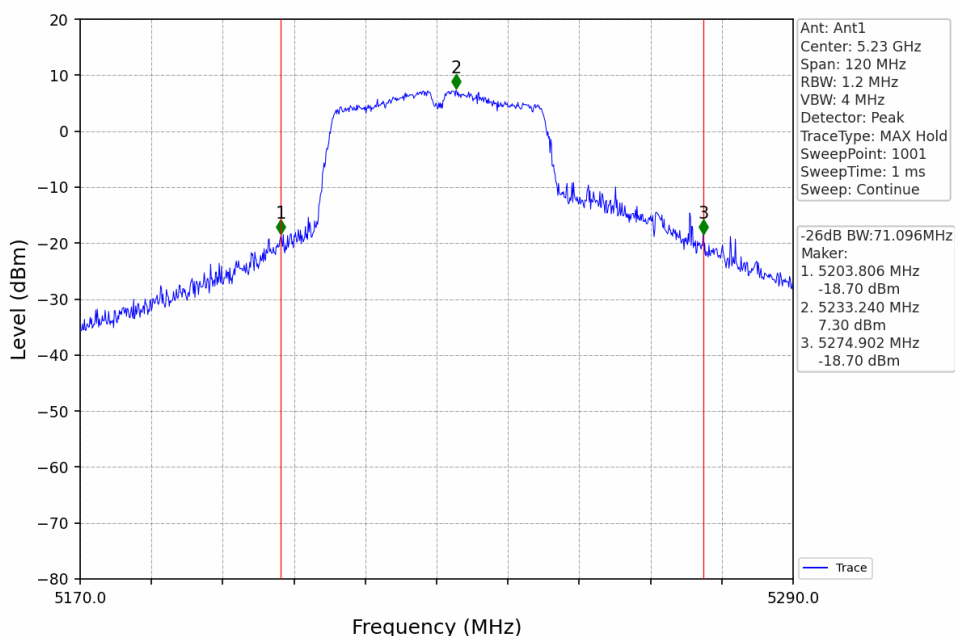


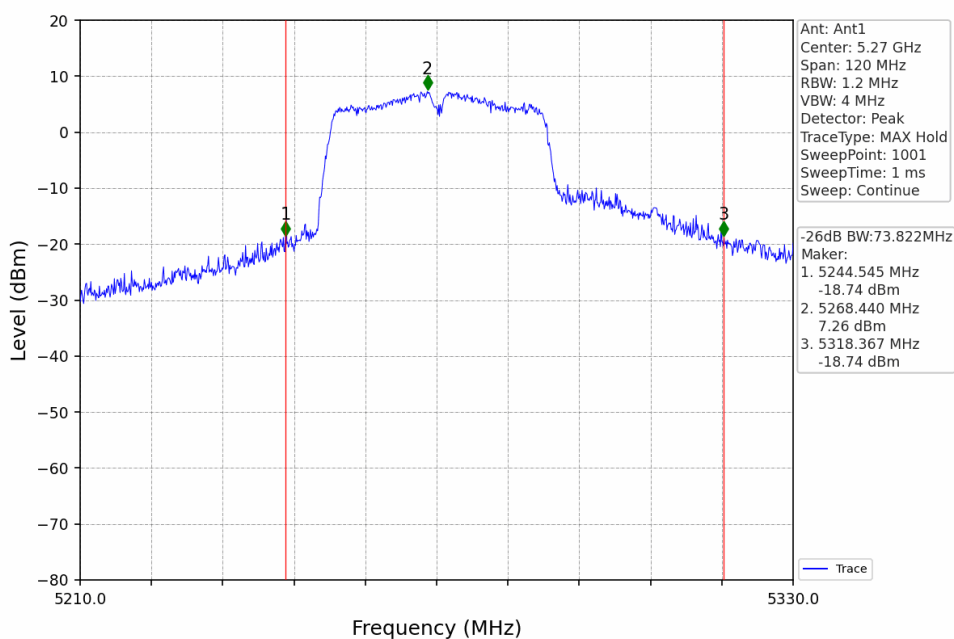
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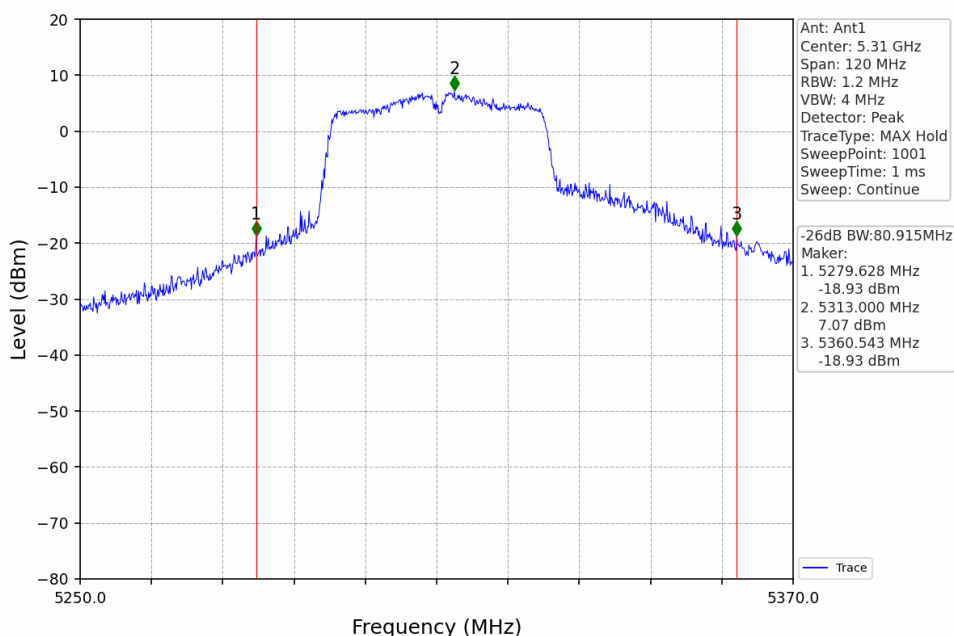
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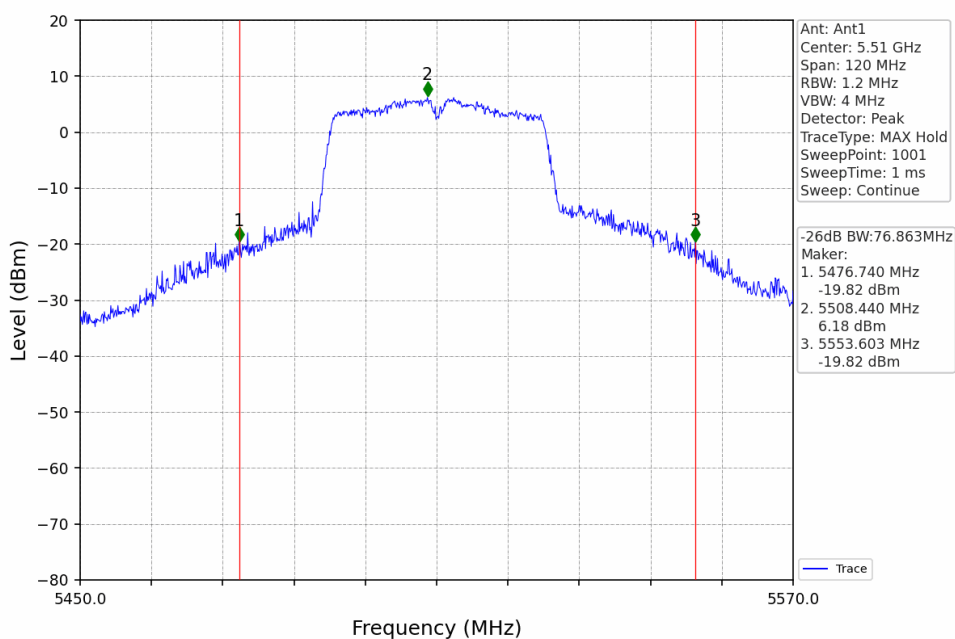
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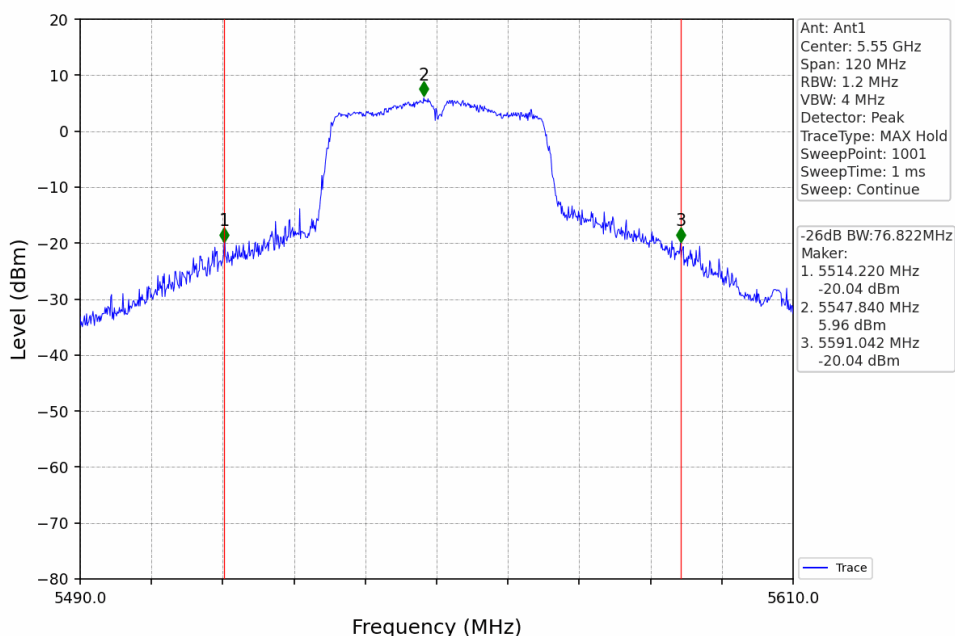
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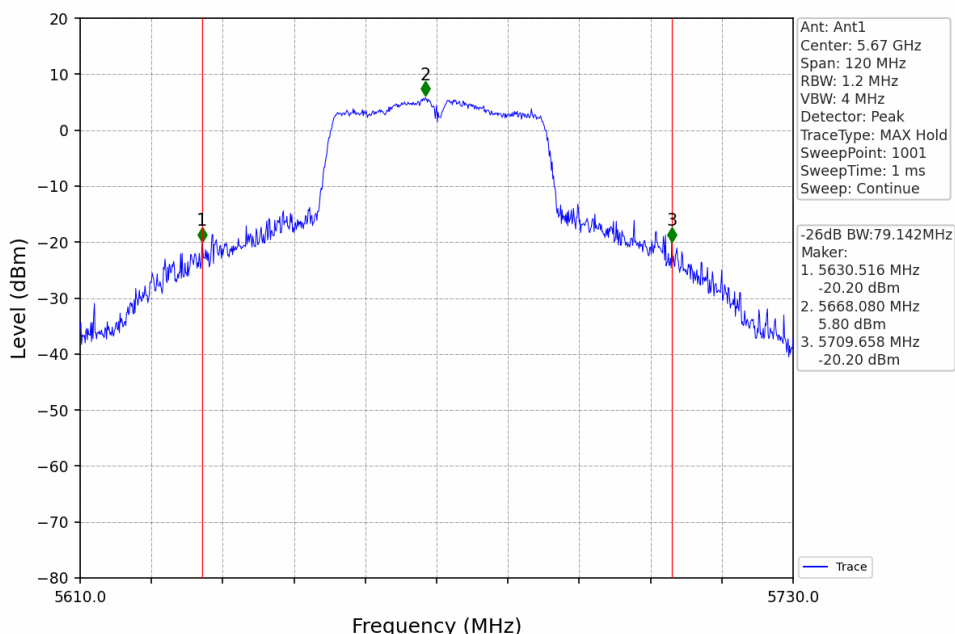
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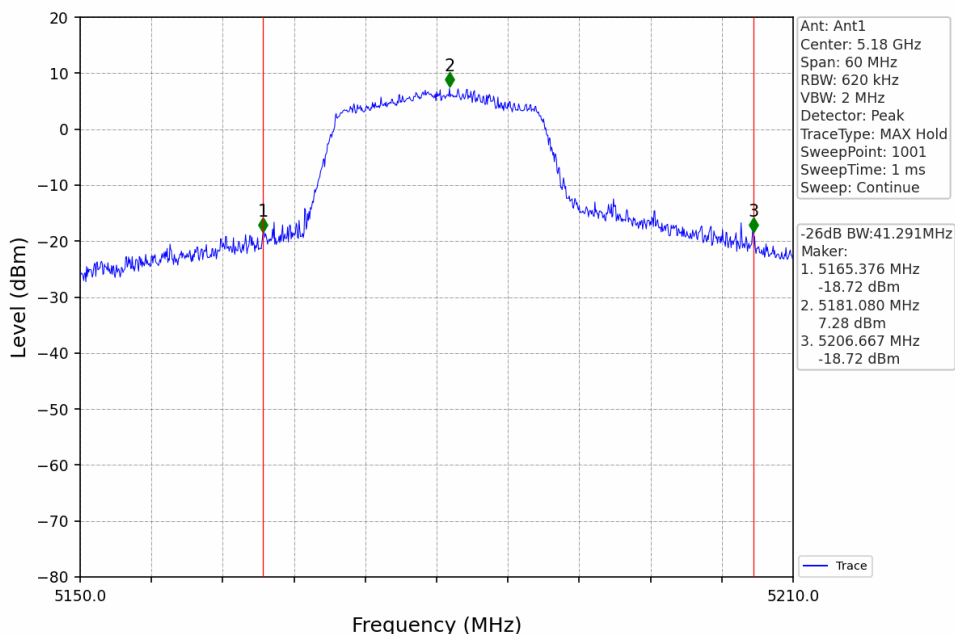
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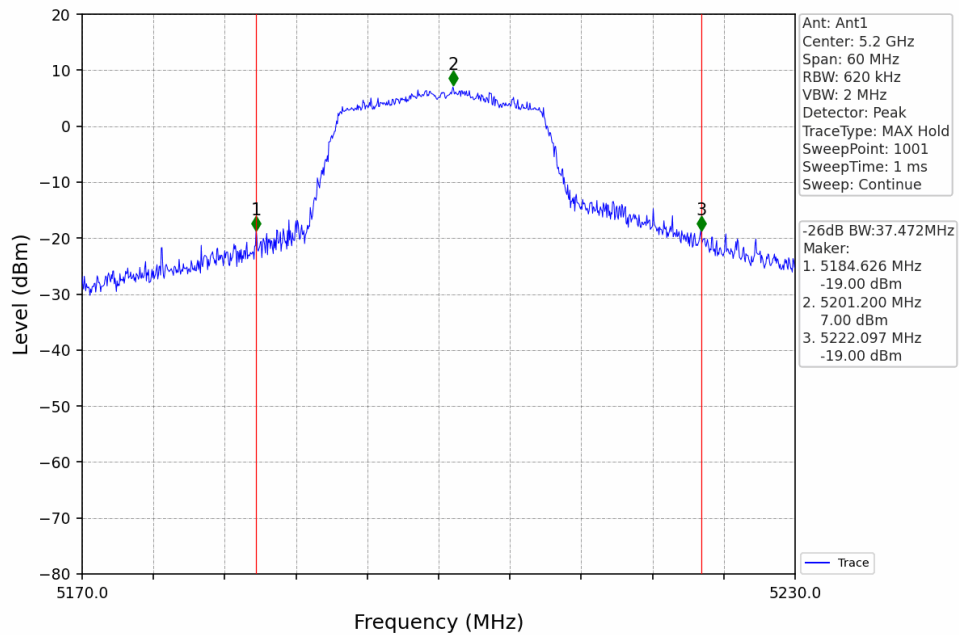
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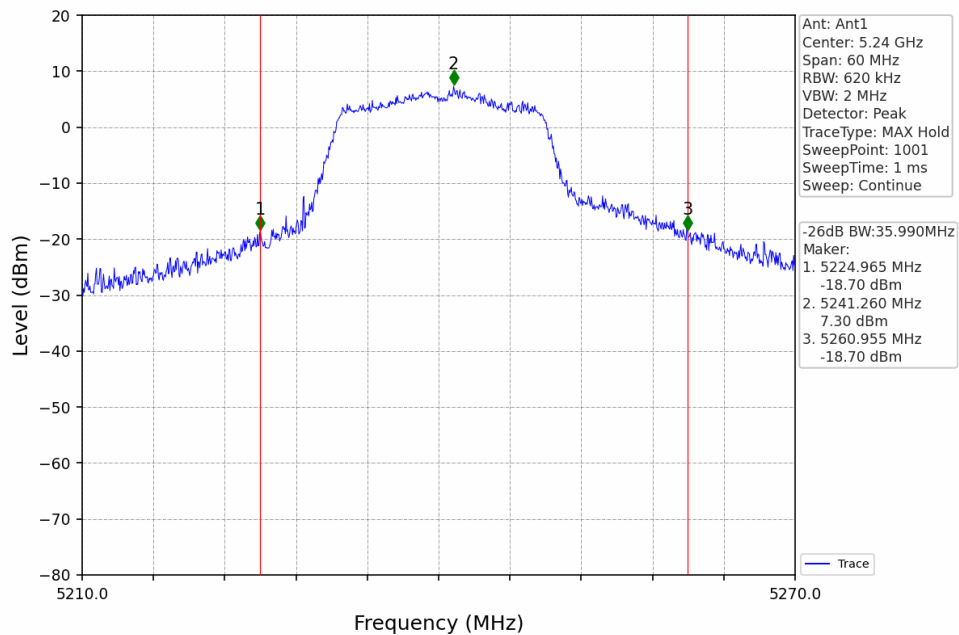
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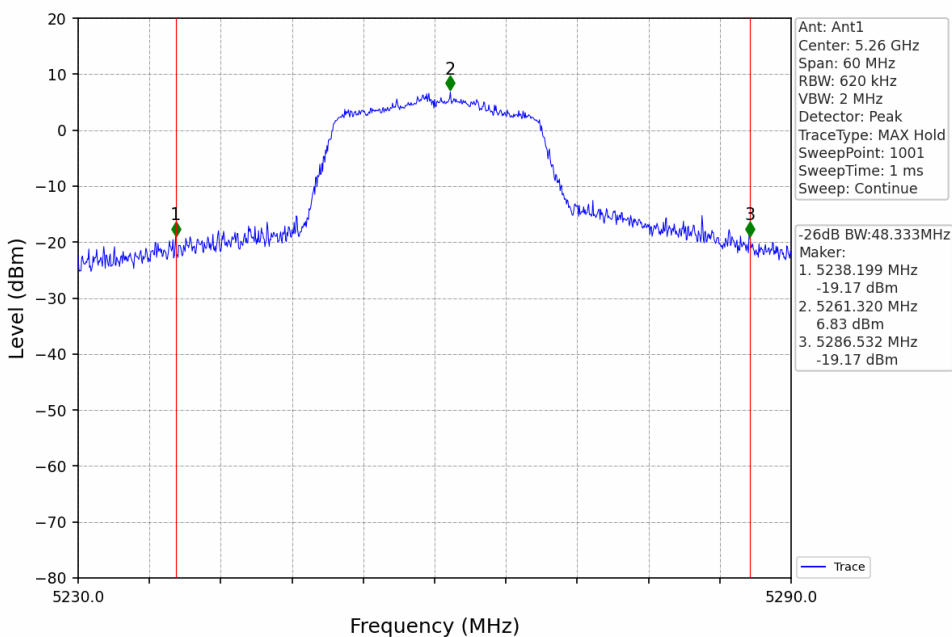
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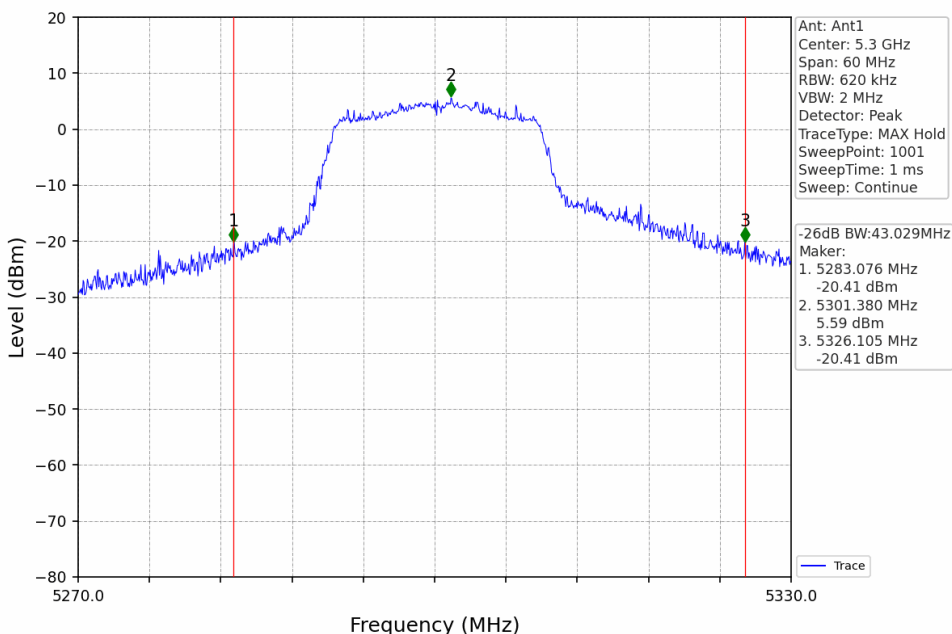
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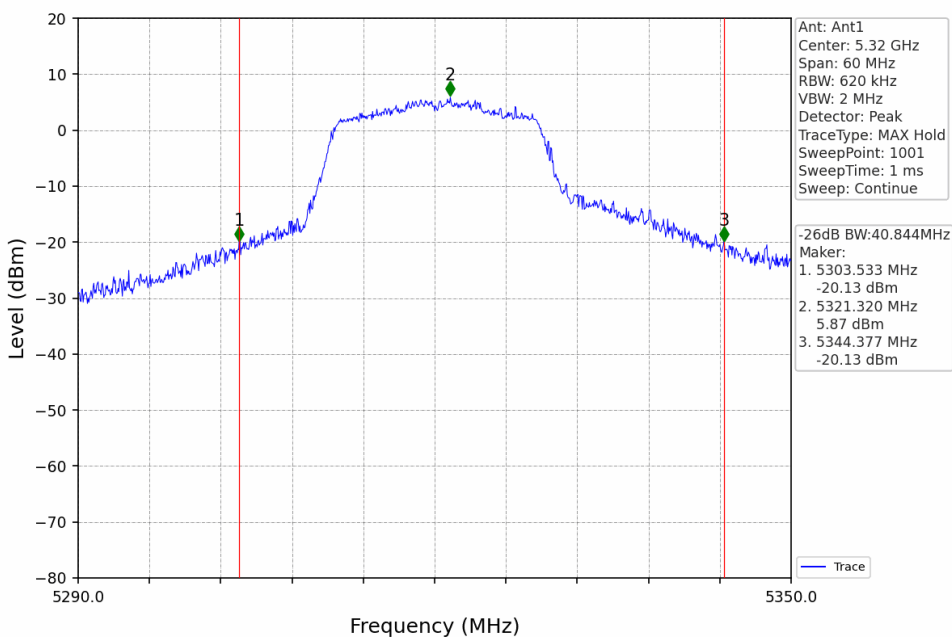
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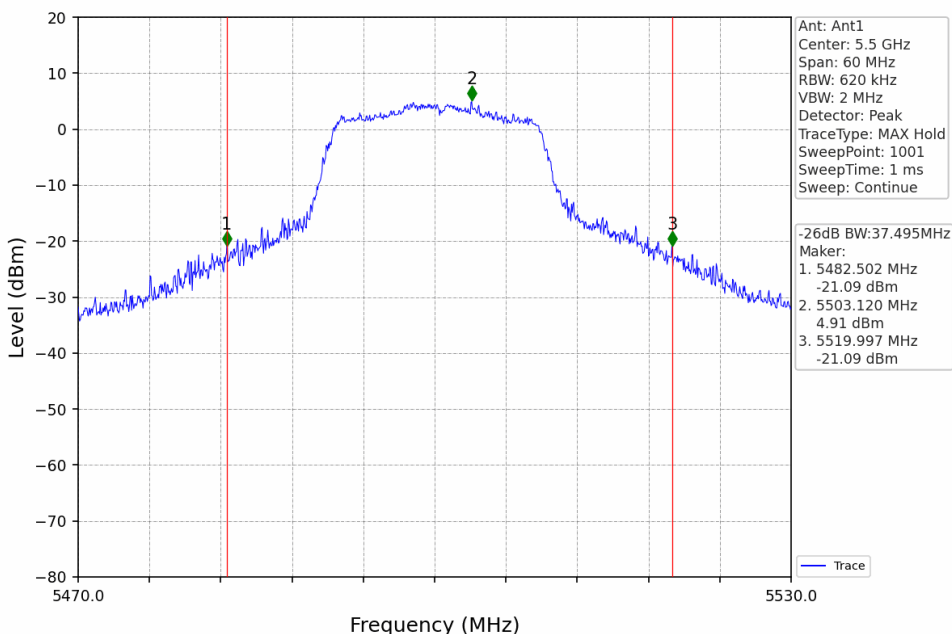
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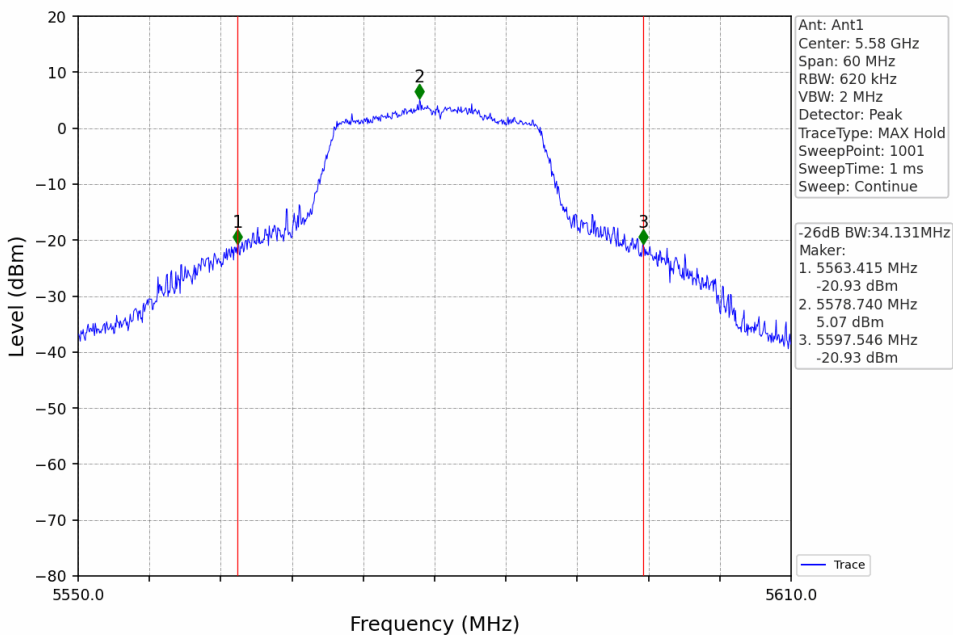
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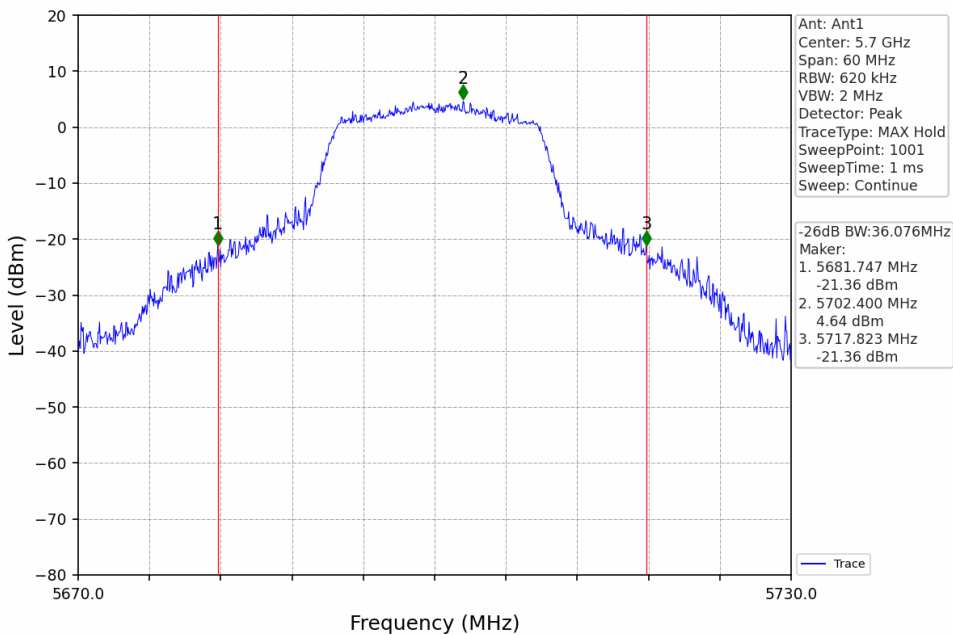
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802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV

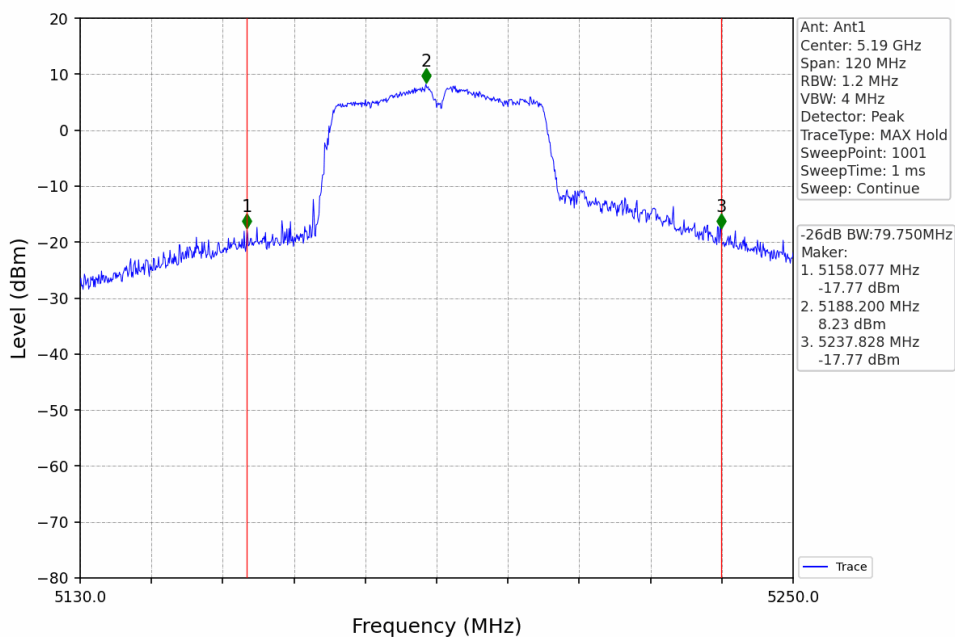


802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV

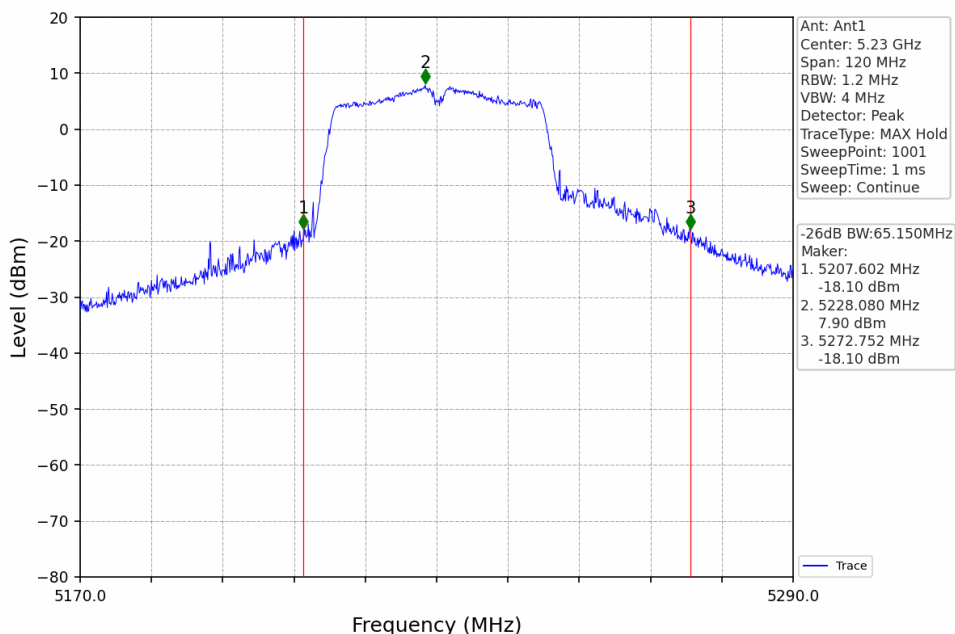


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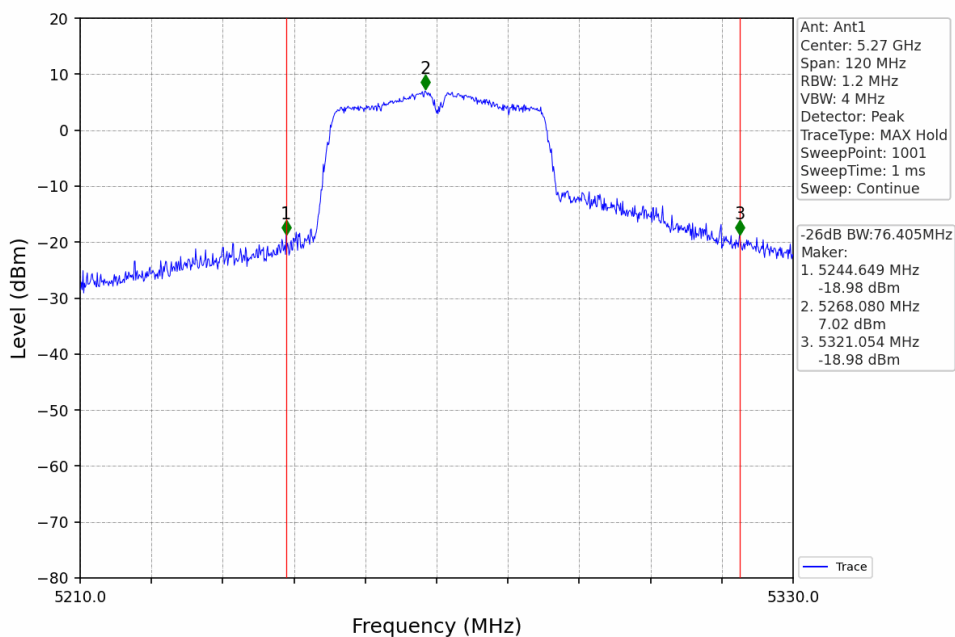
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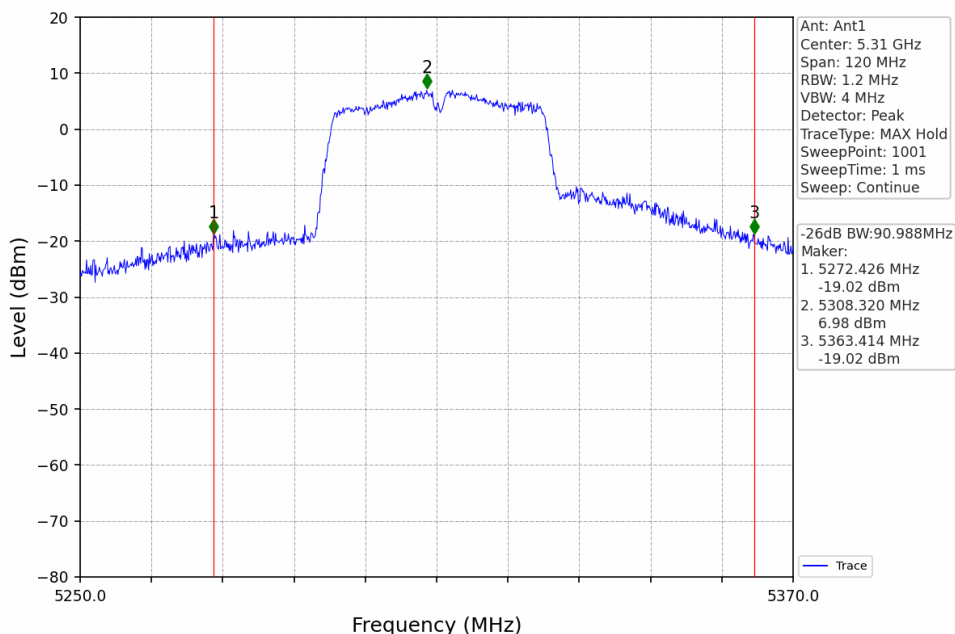
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV

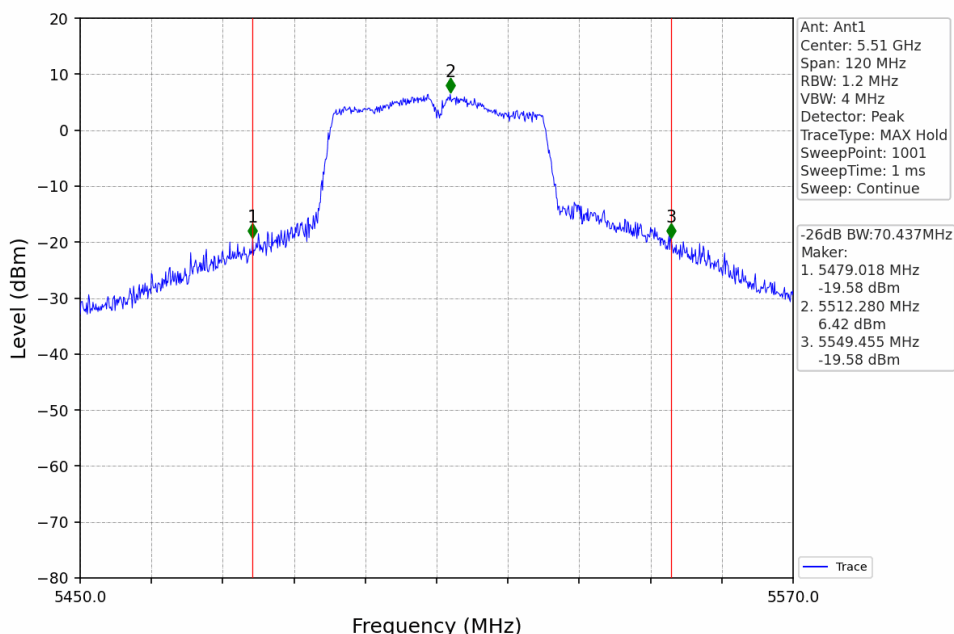


802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV

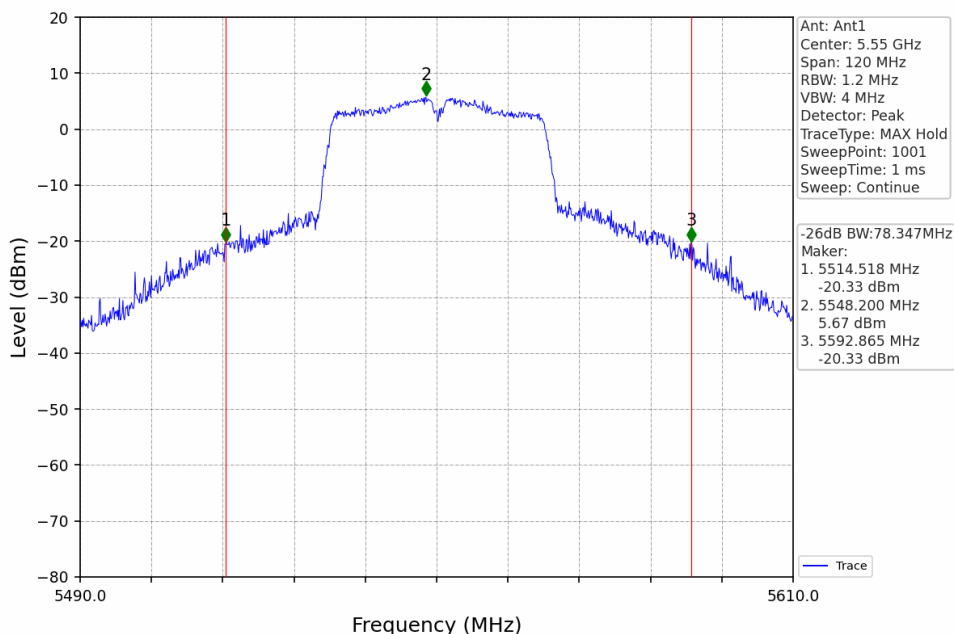


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802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV

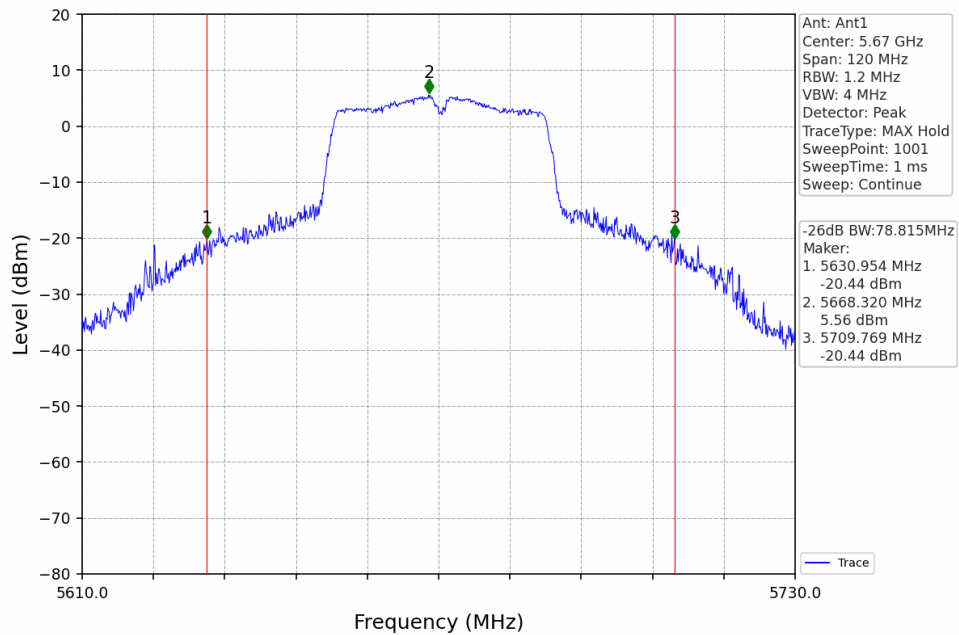


802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV

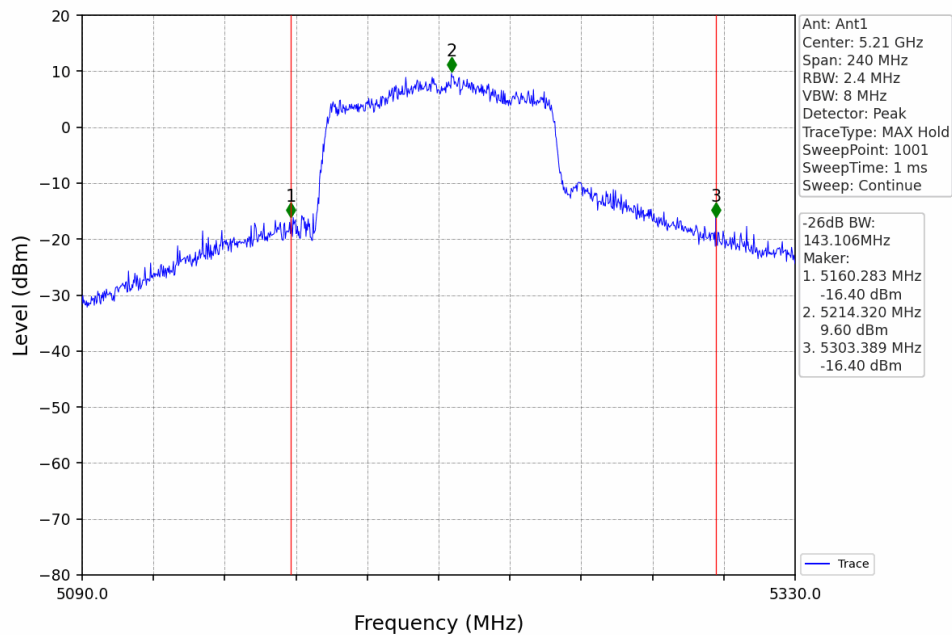


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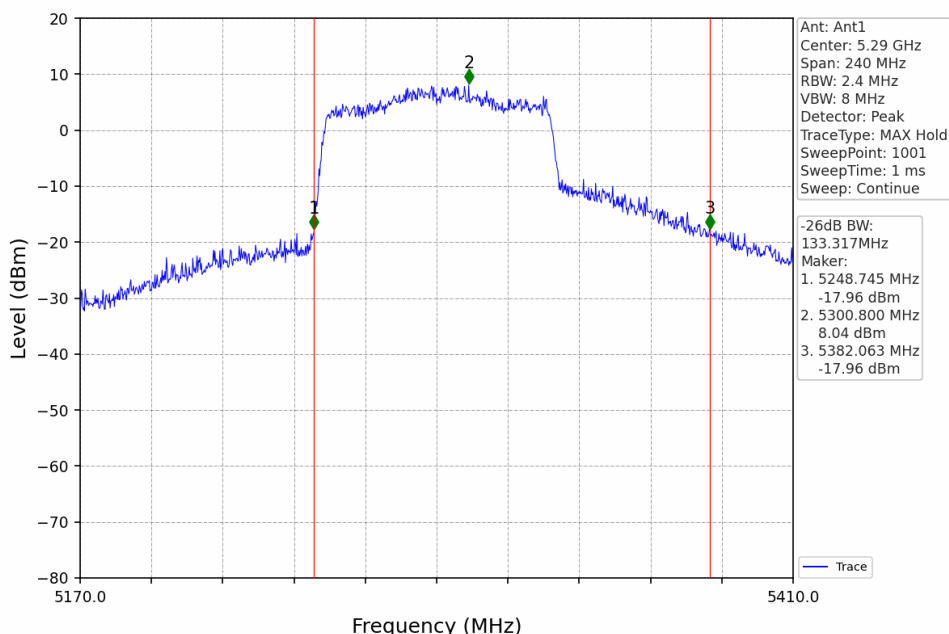
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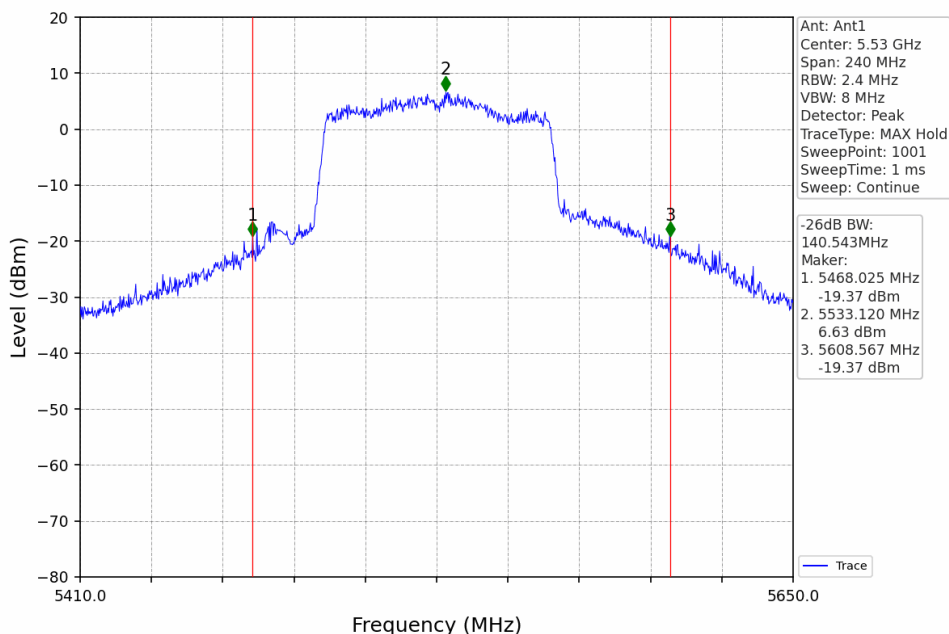
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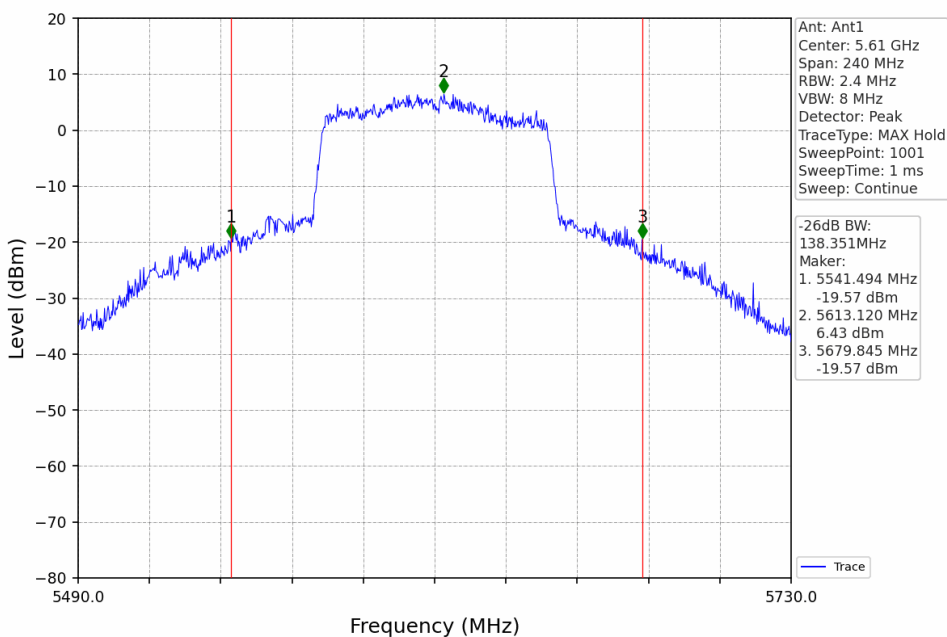
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_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	12.08	≤ 23.98	Pass
		5200	11.92	≤ 23.98	Pass
		5240	11.86	≤ 23.98	Pass
		5260	11.62	≤ 23.98	Pass
		5300	10.88	≤ 23.98	Pass
		5320	11.13	≤ 23.98	Pass
		5500	10.13	≤ 23.98	Pass
		5580	9.32	≤ 23.98	Pass
		5700	9.53	≤ 23.98	Pass
		5745	10.03	≤ 30	Pass
		5785	10.09	≤ 30	Pass
		5825	10.91	≤ 30	Pass
802.11n (HT20)	SISO	5180	12.15	≤ 23.98	Pass
		5200	11.93	≤ 23.98	Pass
		5240	11.62	≤ 23.98	Pass
		5260	11.30	≤ 23.98	Pass
		5300	10.60	≤ 23.98	Pass
		5320	10.76	≤ 23.98	Pass
		5500	9.80	≤ 23.98	Pass
		5580	9.16	≤ 23.98	Pass
		5700	9.35	≤ 23.98	Pass
		5745	9.88	≤ 30	Pass
		5785	10.00	≤ 30	Pass
		5825	10.81	≤ 30	Pass
802.11n (HT40)	SISO	5190	11.97	≤ 23.98	Pass
		5230	11.60	≤ 23.98	Pass
		5270	11.11	≤ 23.98	Pass
		5310	10.97	≤ 23.98	Pass
		5510	10.16	≤ 23.98	Pass
		5550	9.69	≤ 23.98	Pass
		5670	9.61	≤ 23.98	Pass
		5755	10.31	≤ 30	Pass
		5795	10.88	≤ 30	Pass

802.11ac (VHT20)	SISO	5180	12.02	<=23.98	Pass
		5200	11.88	<=23.98	Pass
		5240	11.60	<=23.98	Pass
		5260	11.35	<=23.98	Pass
		5300	10.58	<=23.98	Pass
		5320	10.76	<=23.98	Pass
		5500	9.83	<=23.98	Pass
		5580	9.18	<=23.98	Pass
		5700	9.34	<=23.98	Pass
		5745	10.01	<=30	Pass
		5785	10.24	<=30	Pass
		5825	10.89	<=30	Pass
802.11ac (VHT40)	SISO	5190	11.86	<=23.98	Pass
		5230	11.69	<=23.98	Pass
		5270	10.90	<=23.98	Pass
		5310	10.93	<=23.98	Pass
		5510	10.13	<=23.98	Pass
		5550	9.64	<=23.98	Pass
		5670	9.43	<=23.98	Pass
		5755	10.39	<=30	Pass
		5795	10.74	<=30	Pass
802.11ac (VHT80)	SISO	5210	10.97	<=23.98	Pass
		5290	10.29	<=23.98	Pass
		5530	9.49	<=23.98	Pass
		5610	9.06	<=23.98	Pass
		5775	9.87	<=30	Pass

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	1.82	<=11	Pass
		5200	1.77	<=11	Pass
		5240	1.67	<=11	Pass
		5260	1.44	<=11	Pass
		5300	0.63	<=11	Pass
		5320	0.93	<=11	Pass
		5500	-0.15	<=11	Pass
		5580	-0.88	<=11	Pass



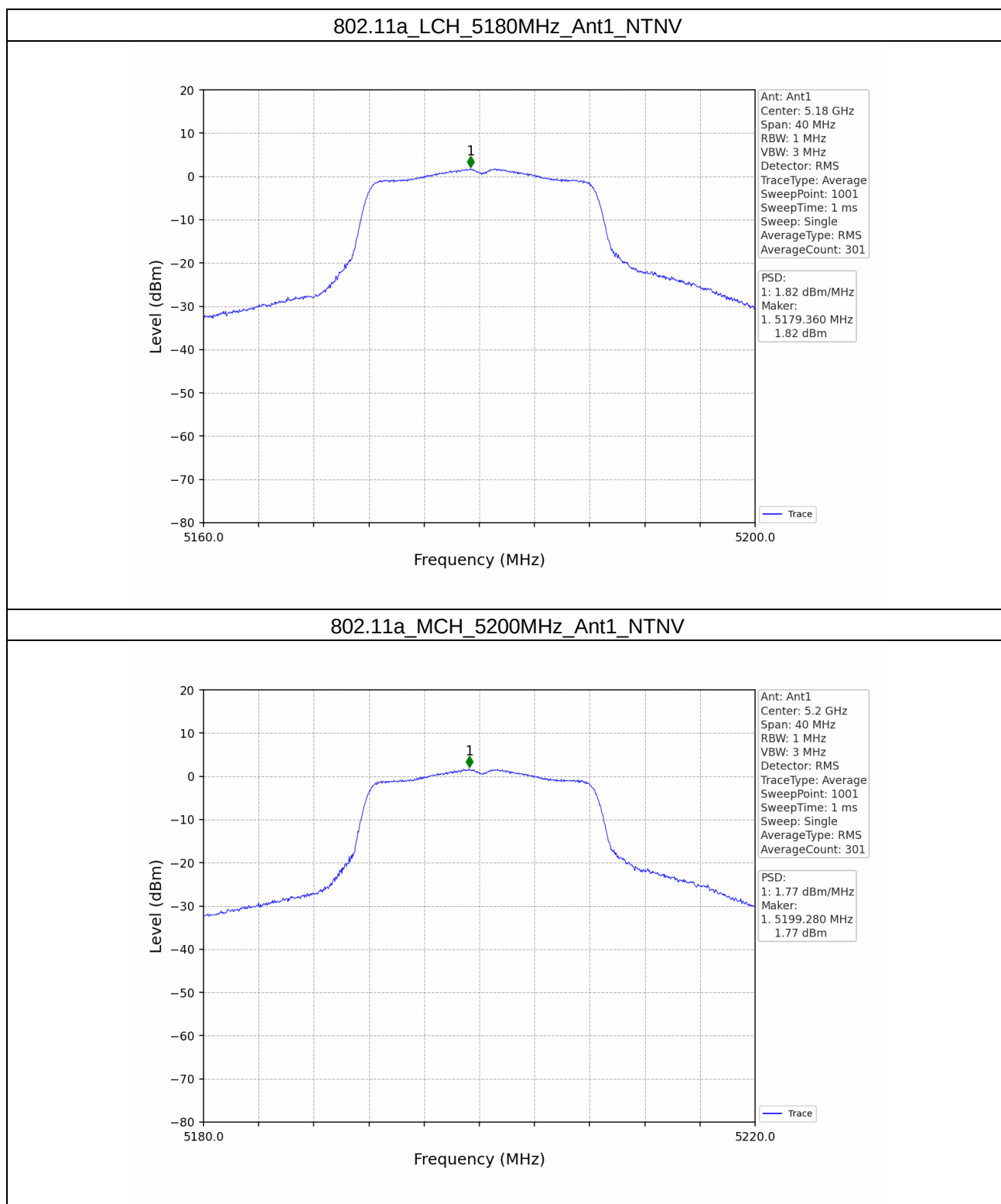
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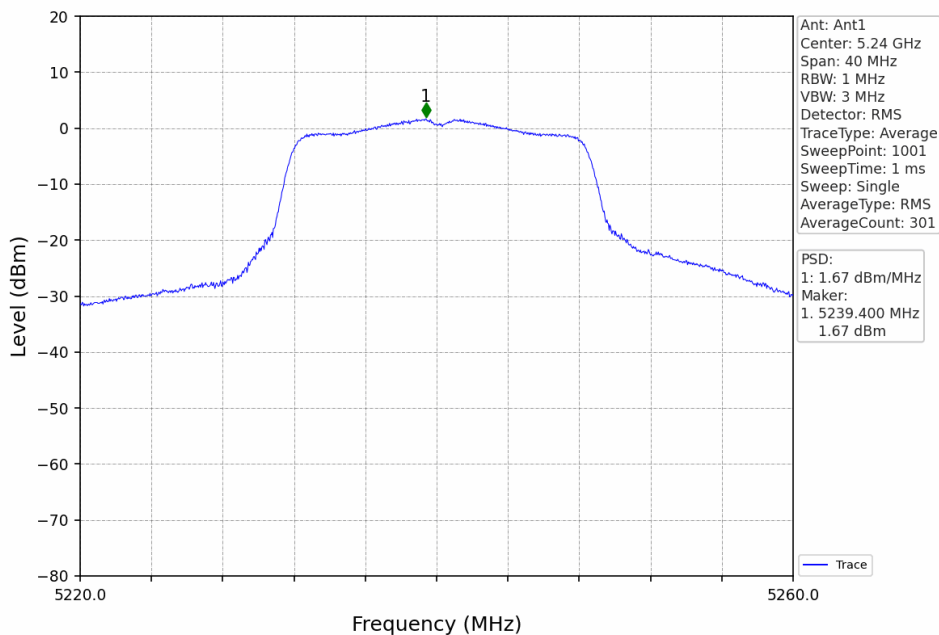
SGS-CSTC Standards Technical Services Co., Ltd. No. 198 Kezhu Road, Sciotech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgs.com.cn
Guangzhou branch Testing Center EEC Laboratory 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

		5700	-0.66	<=11	Pass
802.11n (HT20)	SISO	5180	1.64	<=11	Pass
		5200	1.58	<=11	Pass
		5240	1.08	<=11	Pass
		5260	0.84	<=11	Pass
		5300	0.32	<=11	Pass
		5320	0.22	<=11	Pass
		5500	-0.73	<=11	Pass
		5580	-1.41	<=11	Pass
		5700	-1.09	<=11	Pass
802.11n (HT40)	SISO	5190	-1.55	<=11	Pass
		5230	-1.80	<=11	Pass
		5270	-2.29	<=11	Pass
		5310	-2.45	<=11	Pass
		5510	-3.39	<=11	Pass
		5550	-3.74	<=11	Pass
		5670	-3.75	<=11	Pass
802.11ac (VHT20)	SISO	5180	1.74	<=11	Pass
		5200	1.40	<=11	Pass
		5240	1.16	<=11	Pass
		5260	0.94	<=11	Pass
		5300	0.13	<=11	Pass
		5320	0.26	<=11	Pass
		5500	-0.66	<=11	Pass
		5580	-1.29	<=11	Pass
802.11ac (VHT40)	SISO	5700	-1.13	<=11	Pass
		5190	-1.67	<=11	Pass
		5230	-1.65	<=11	Pass
		5270	-2.51	<=11	Pass
		5310	-2.57	<=11	Pass
		5510	-3.35	<=11	Pass
		5550	-3.62	<=11	Pass
802.11ac (VHT80)	SISO	5670	-4.20	<=11	Pass
		5210	-5.35	<=11	Pass
		5290	-6.16	<=11	Pass
		5530	-7.02	<=11	Pass
		5610	-7.36	<=11	Pass

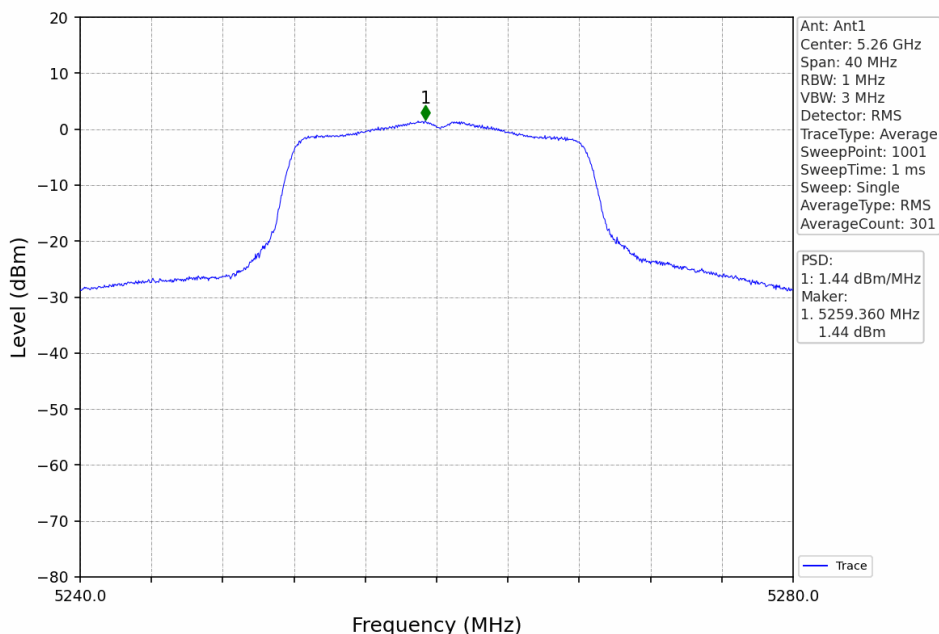
4.1.2 Test Graph



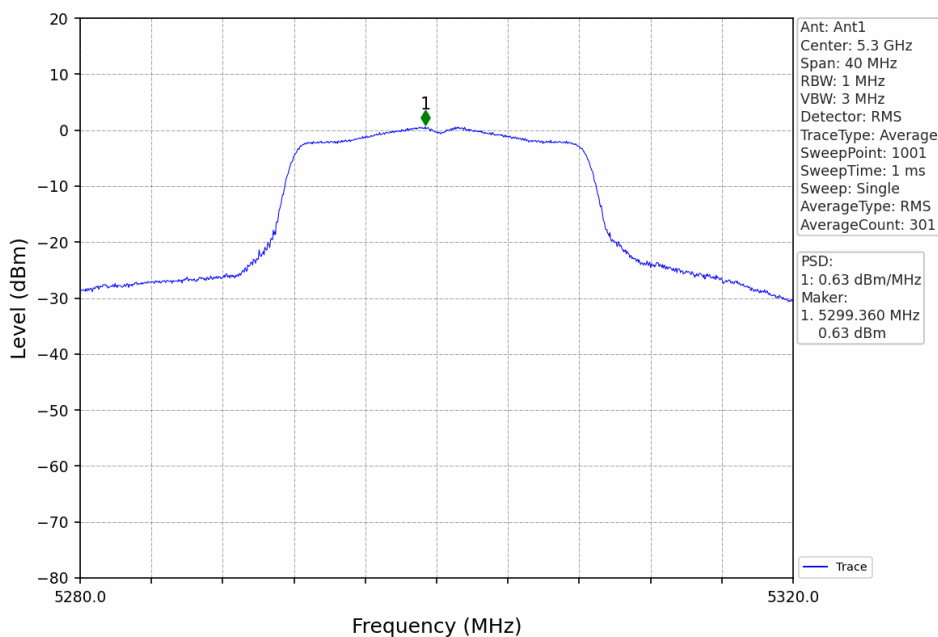
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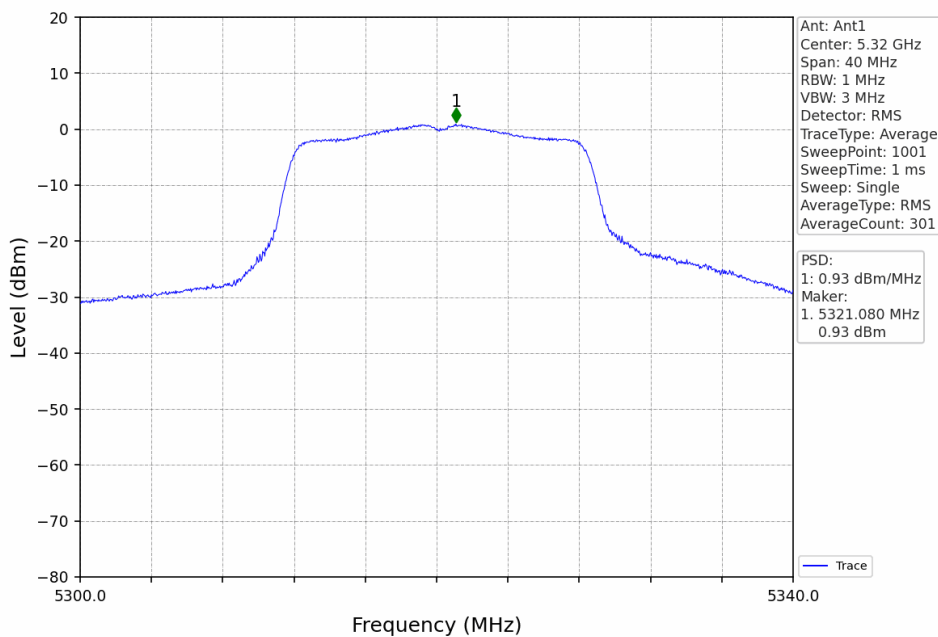
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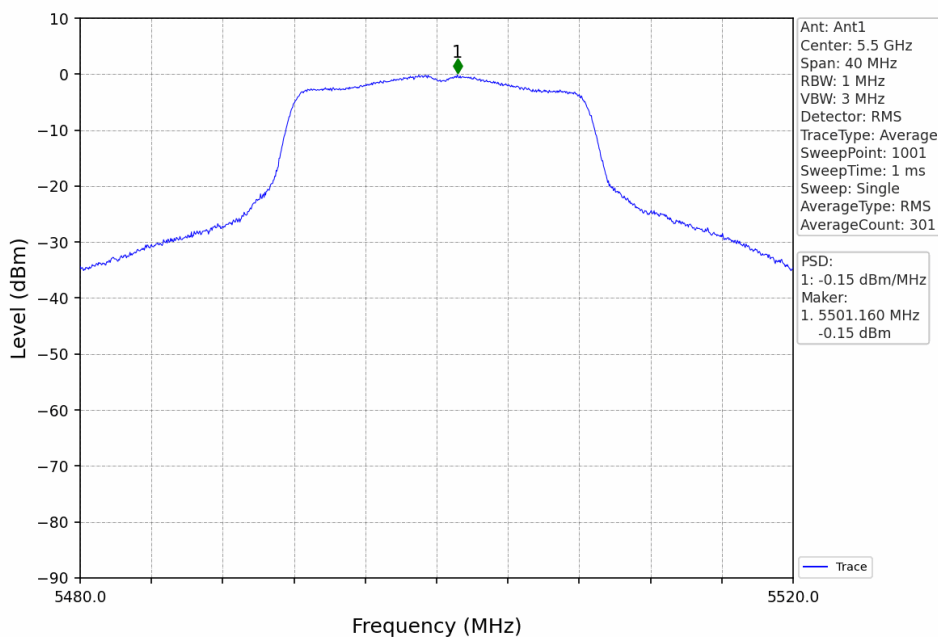
802.11a_MCH_5300MHz_Ant1_NTNV



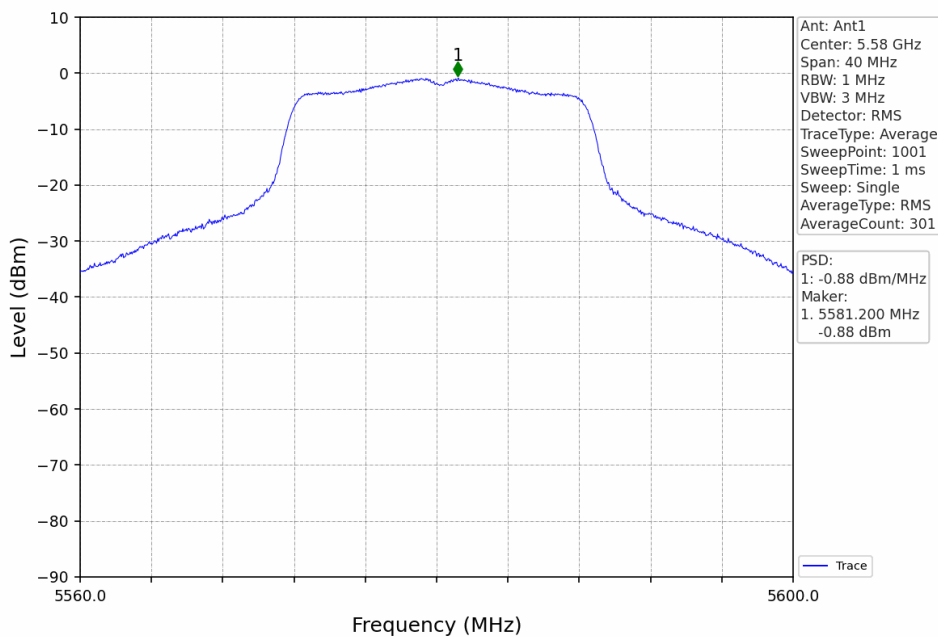
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802.11a_LCH_5500MHz_Ant1_NTNV

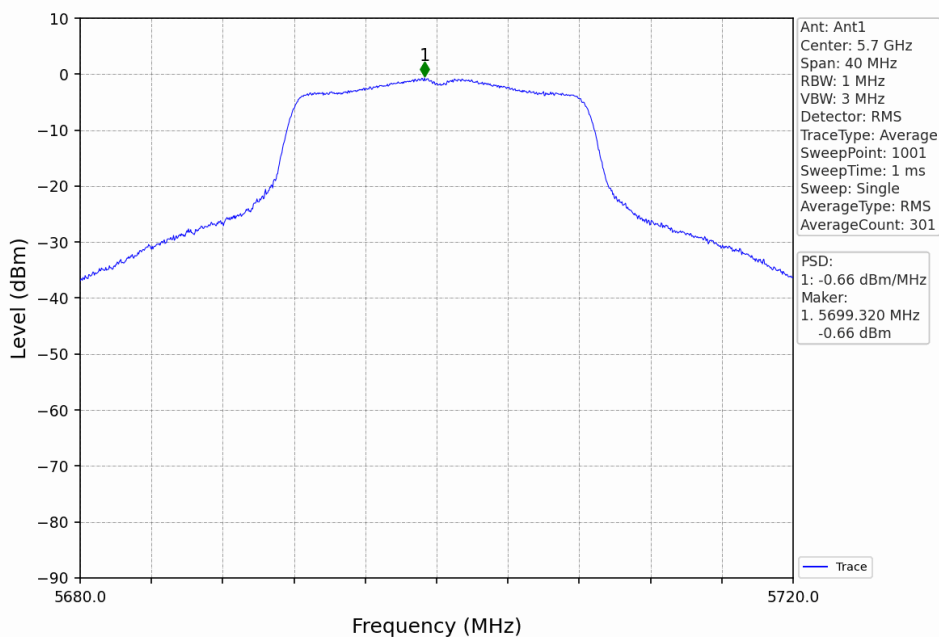


802.11a_MCH_5580MHz_Ant1_NTNV

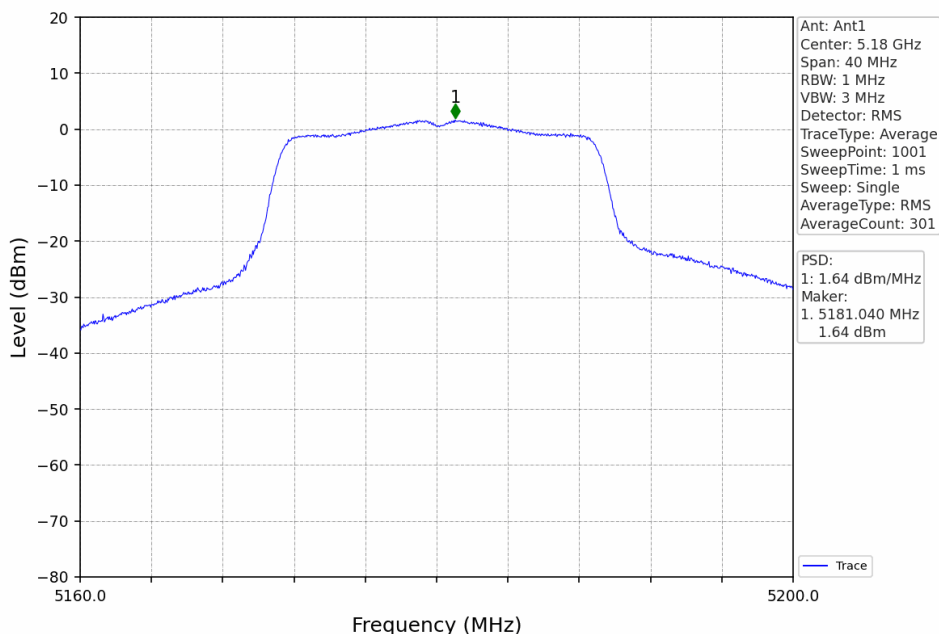


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802.11a_HCH_5700MHz_Ant1_NTNV

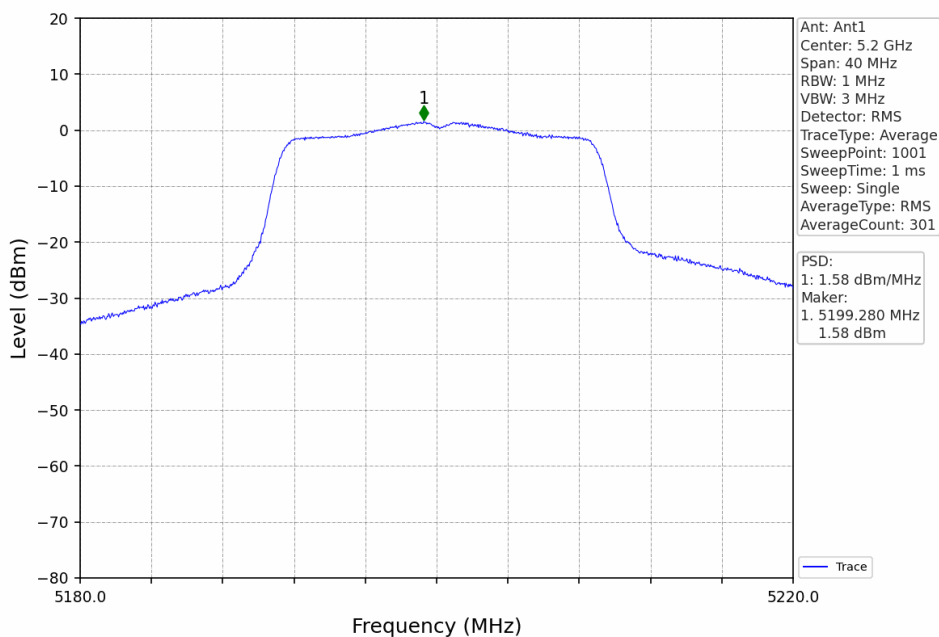


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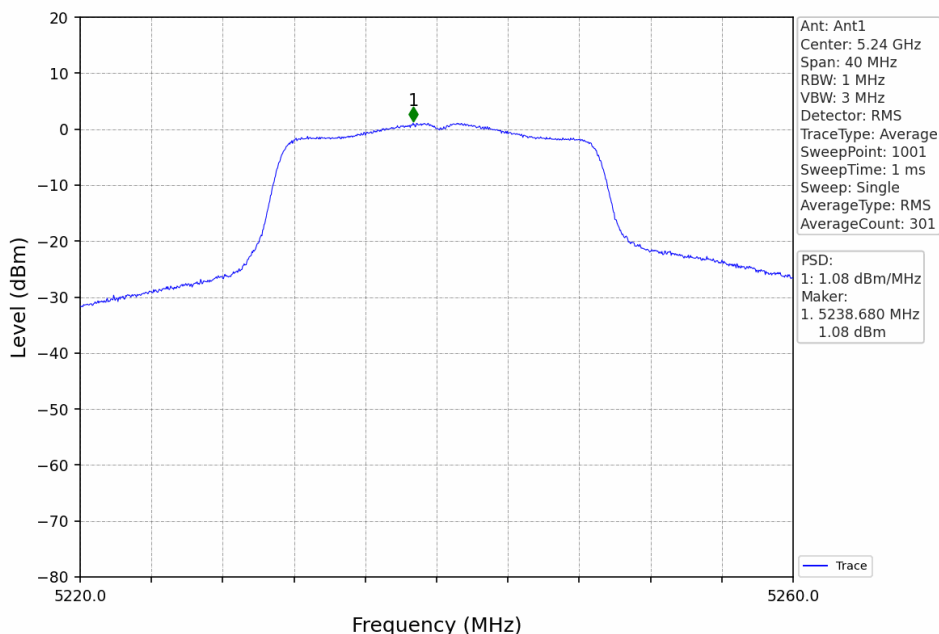


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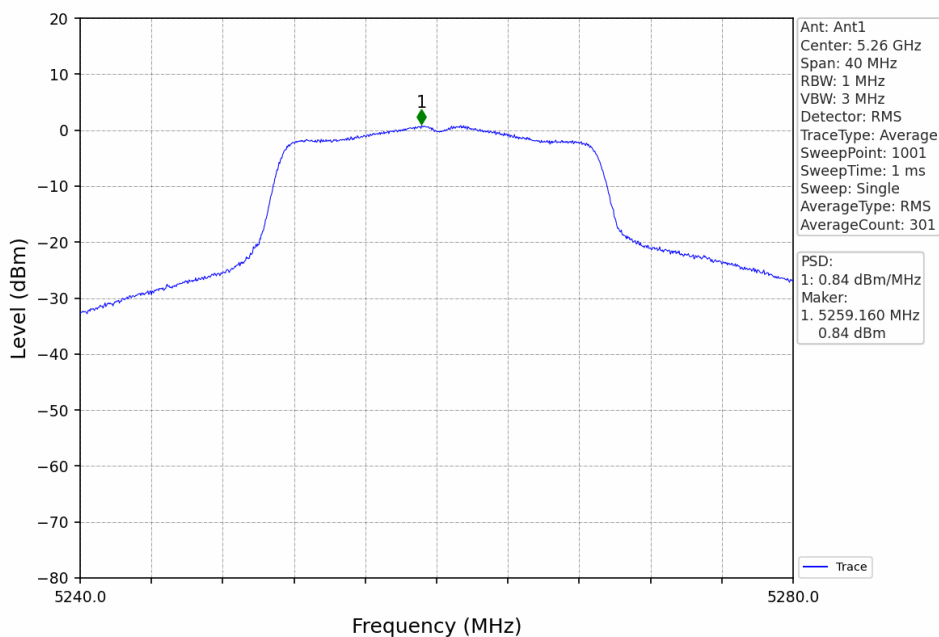
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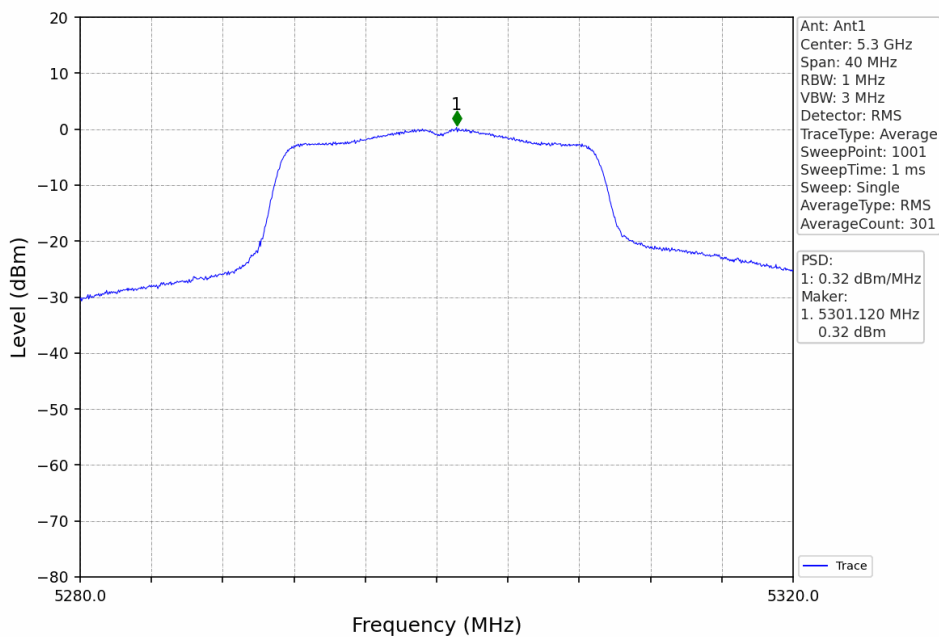
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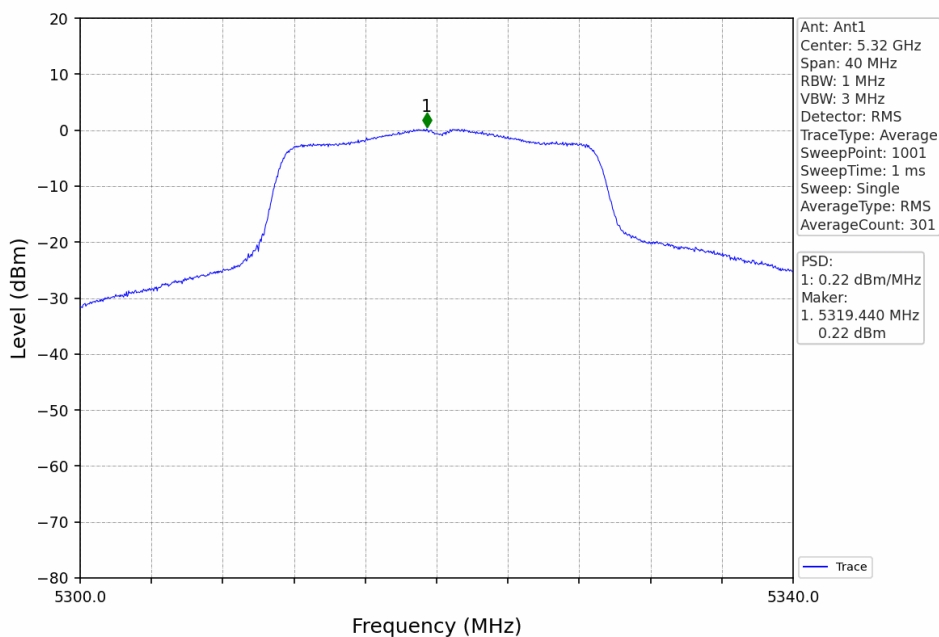
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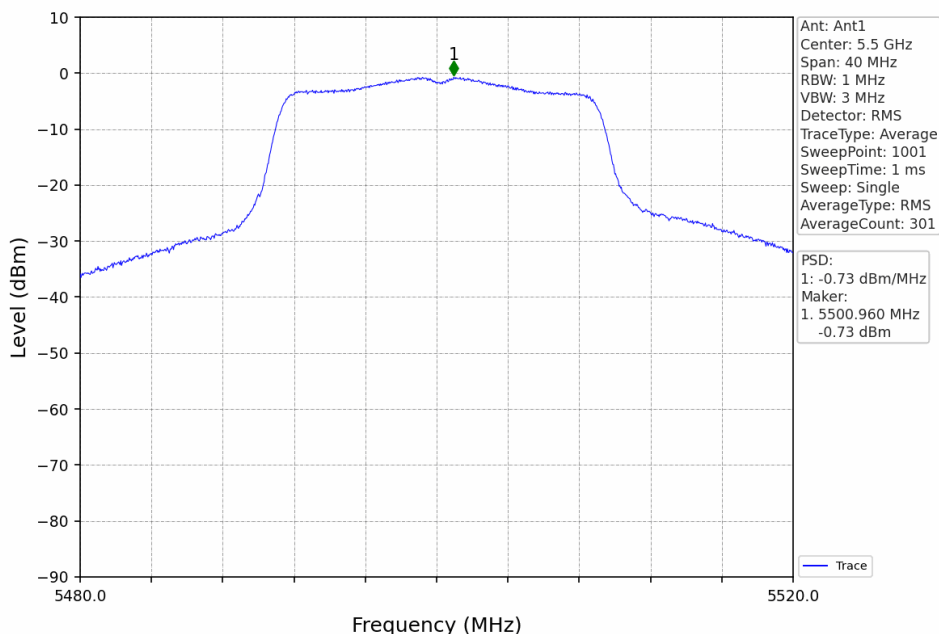
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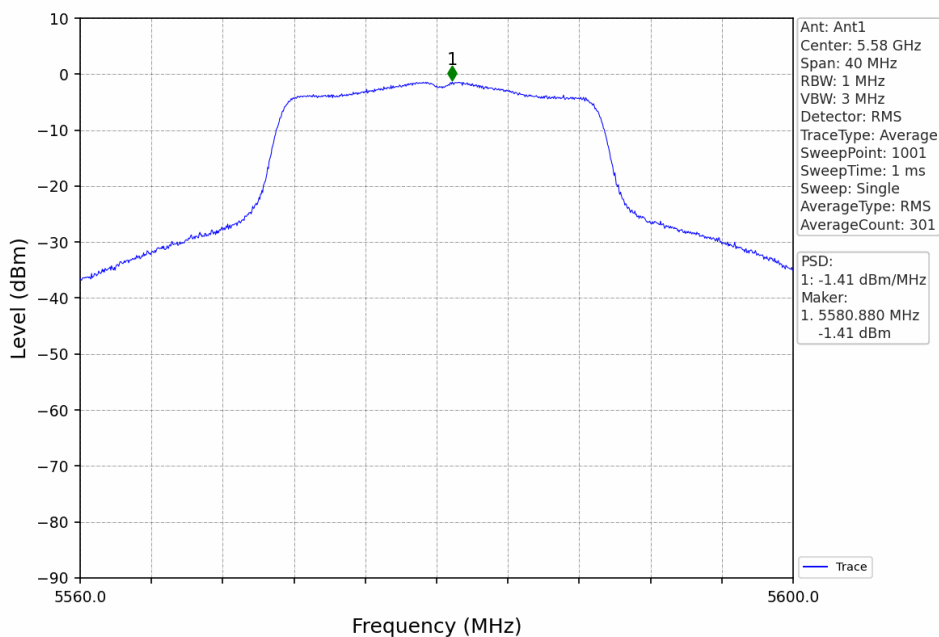
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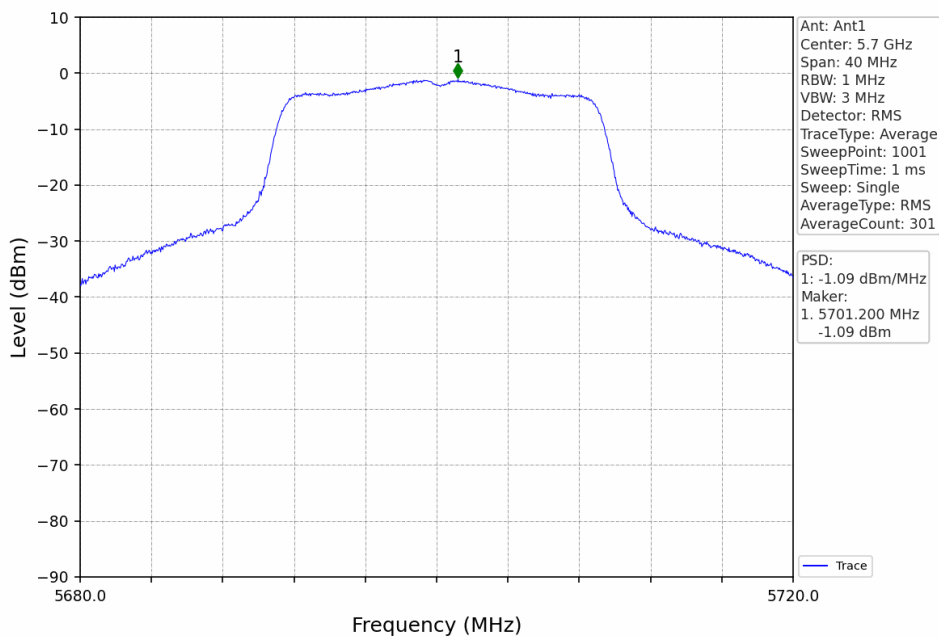
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



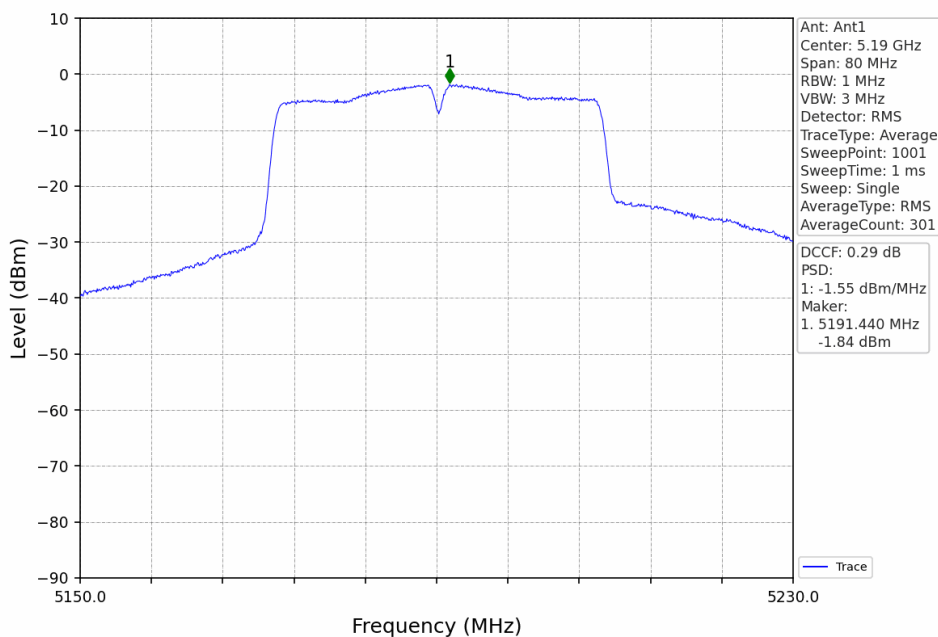
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



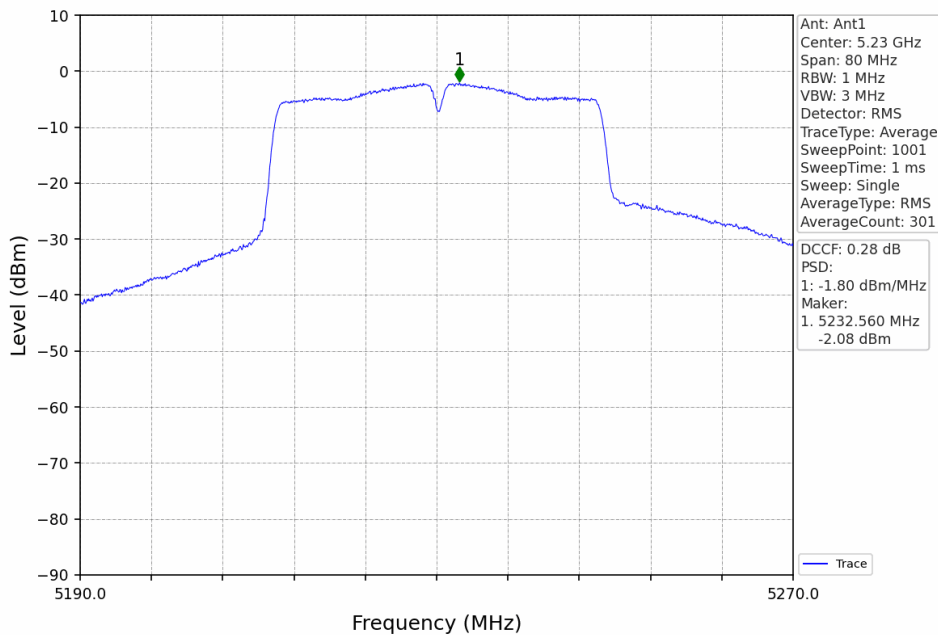
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



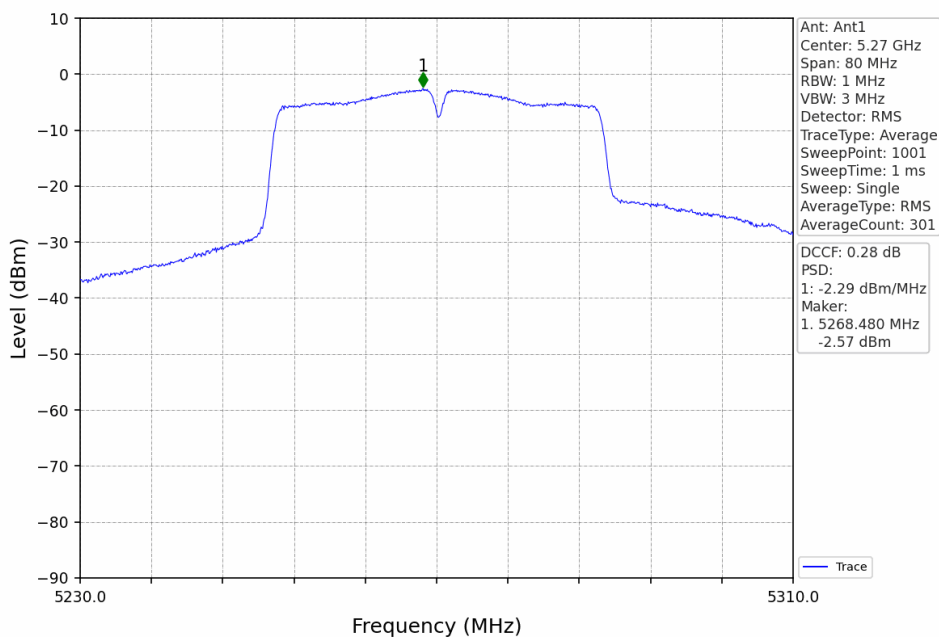
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



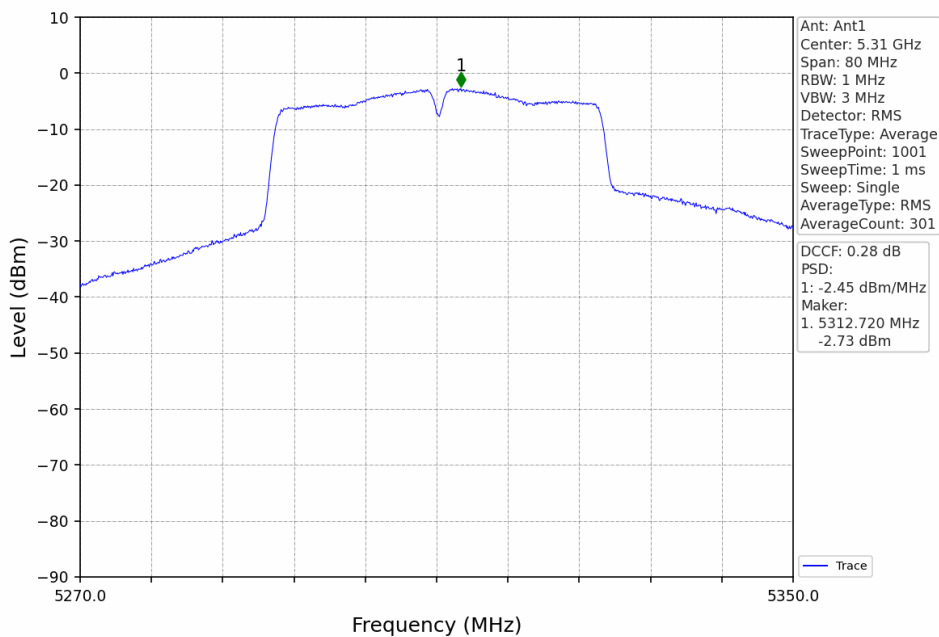
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_LCH_5270MHz_Ant1_NTNV

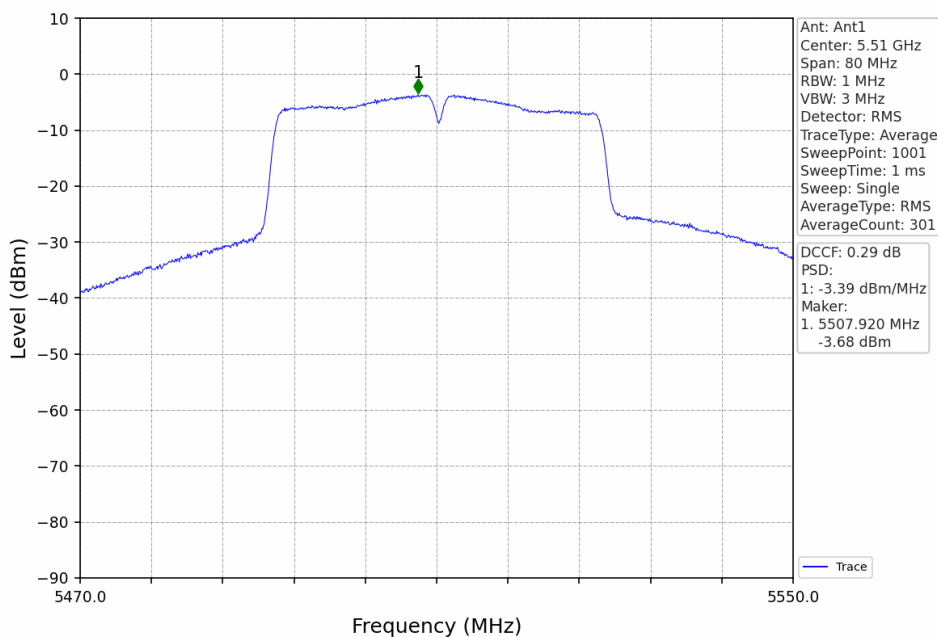


802.11n(HT40)_HCH_5310MHz_Ant1_NTNV

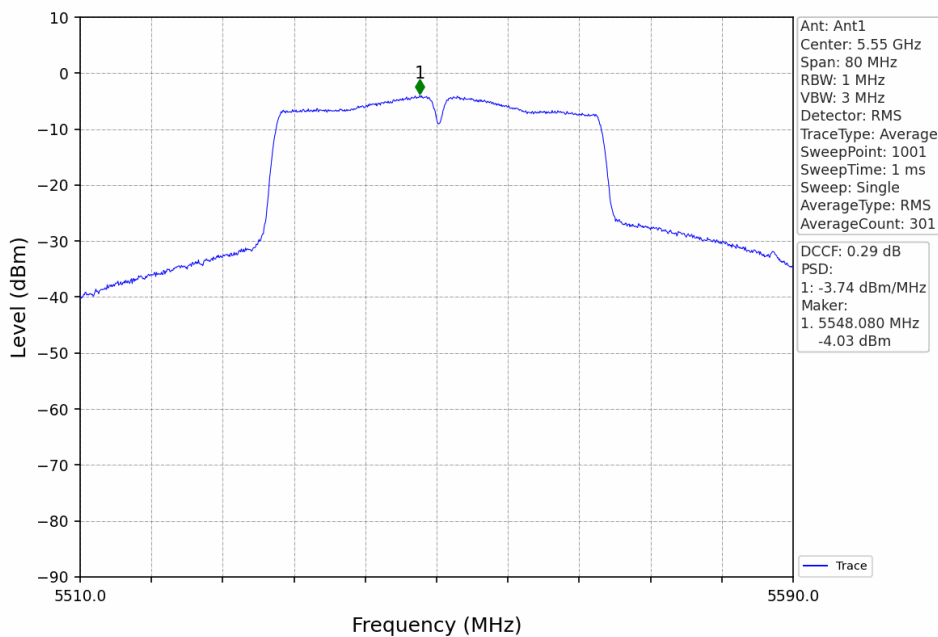


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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

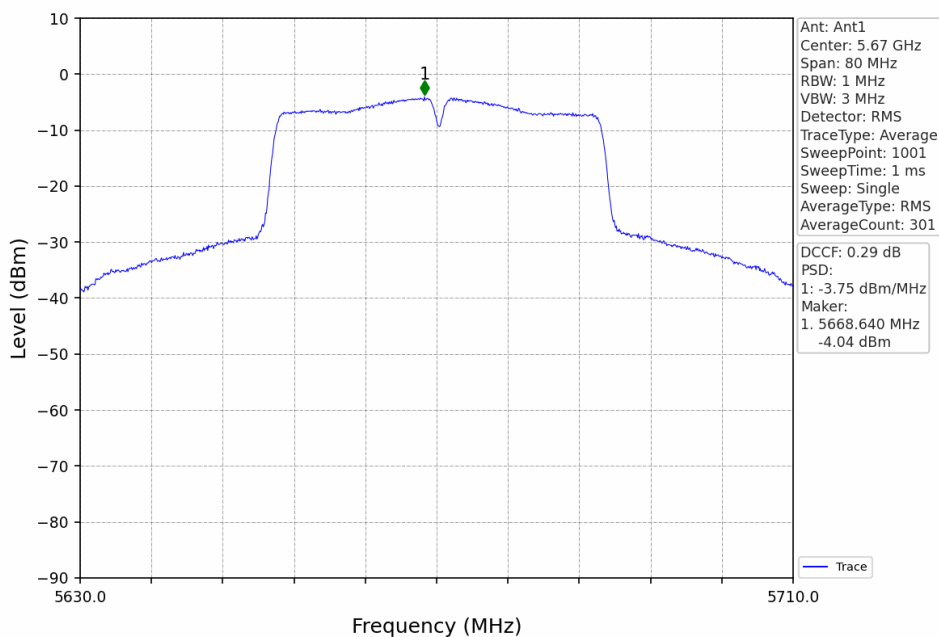


802.11n(HT40)_MCH_5550MHz_Ant1_NTNV

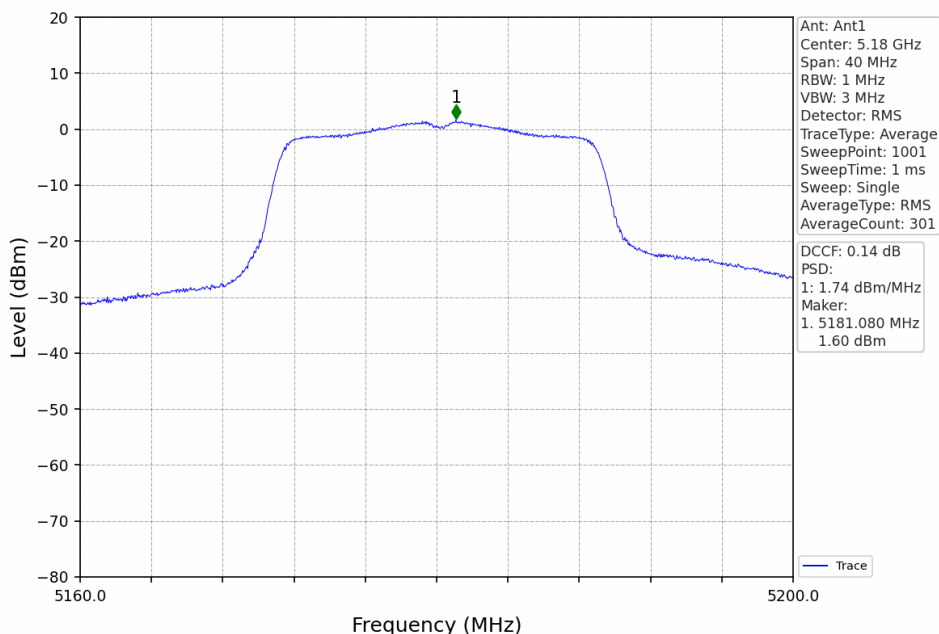


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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV

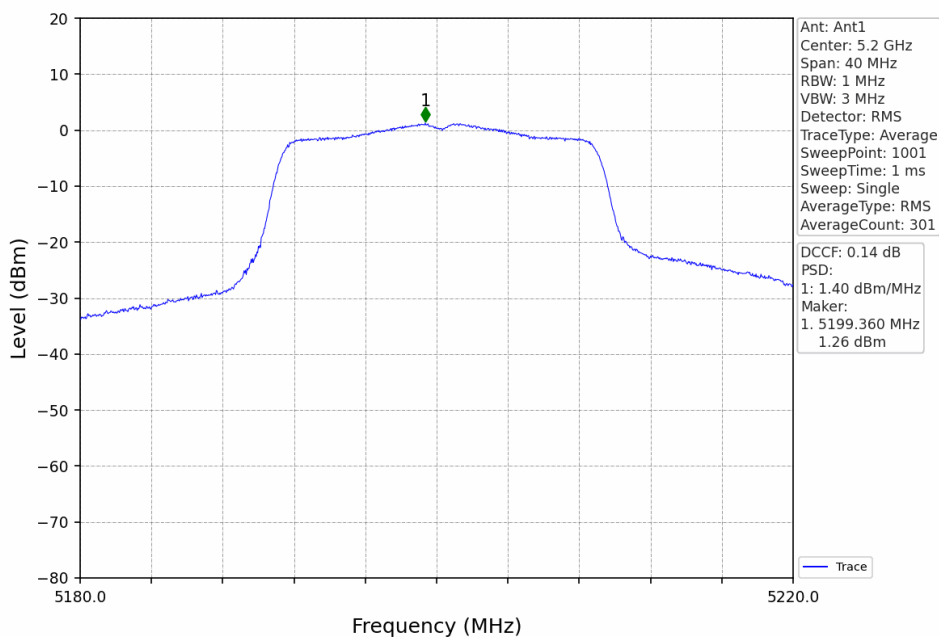


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

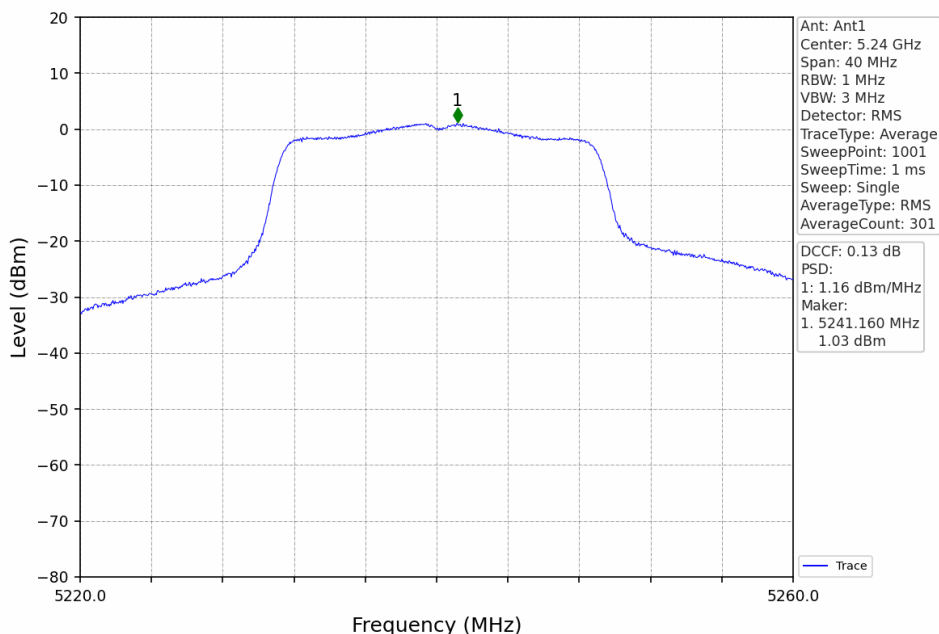


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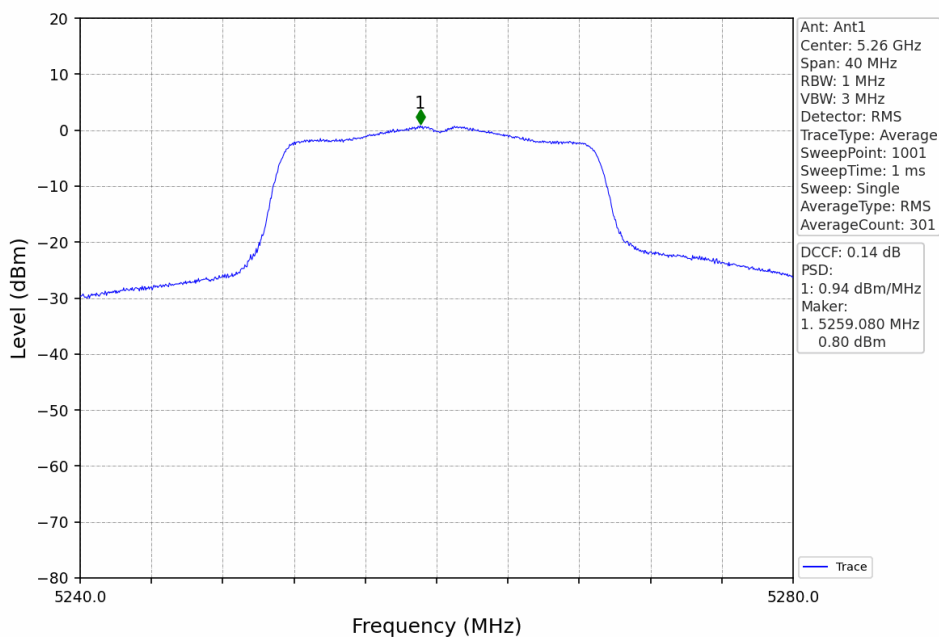
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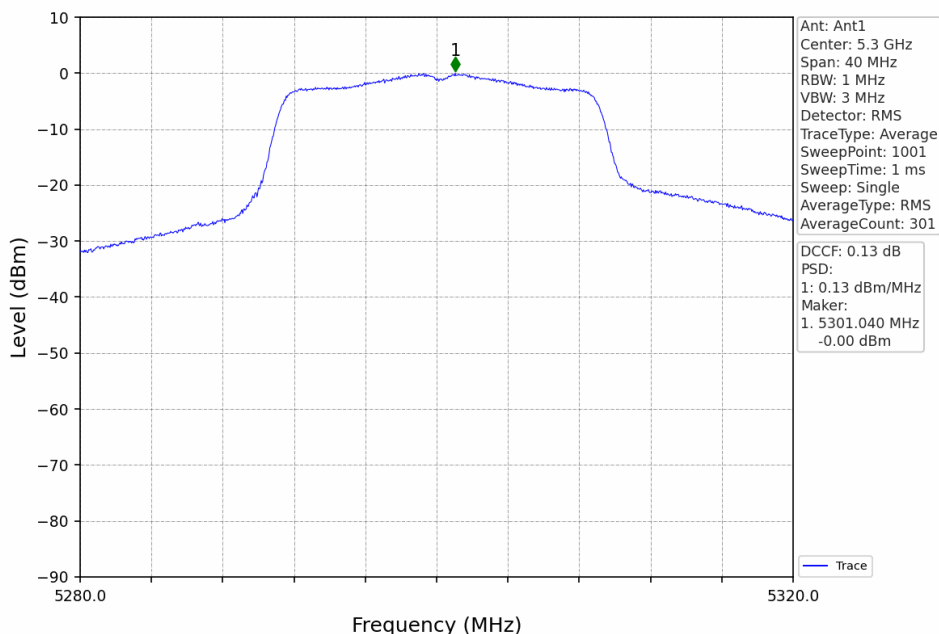
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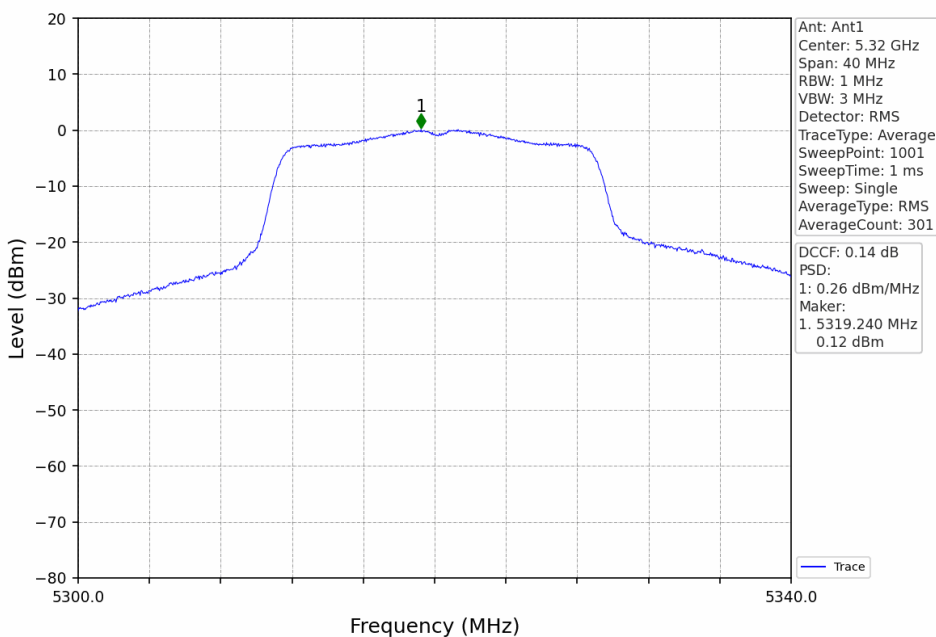
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



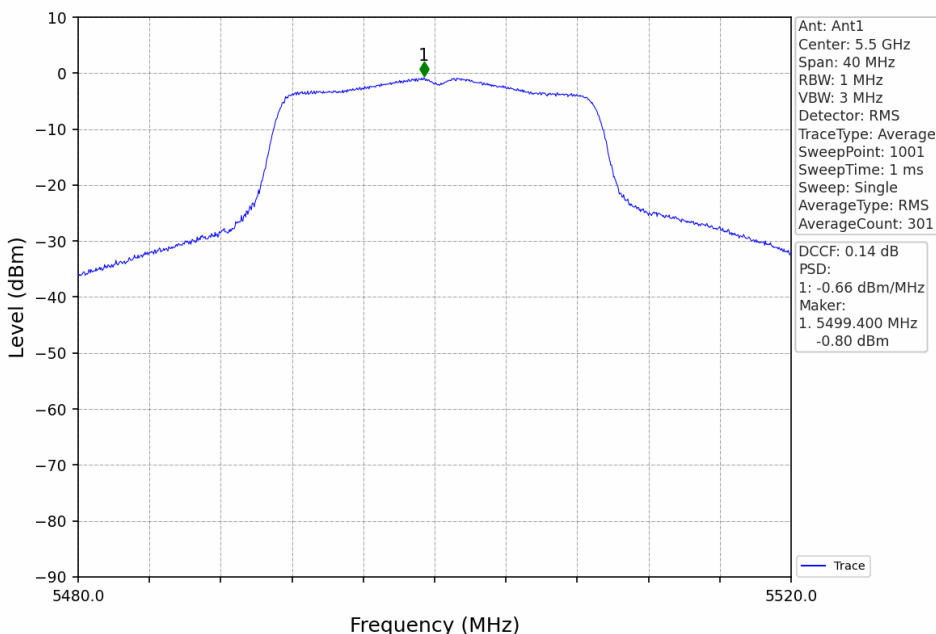
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



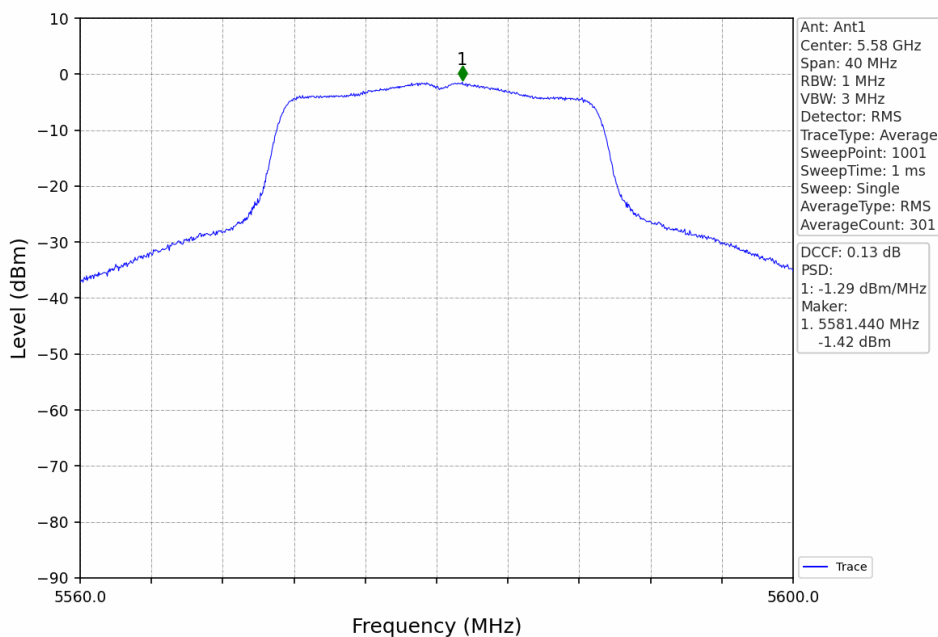
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



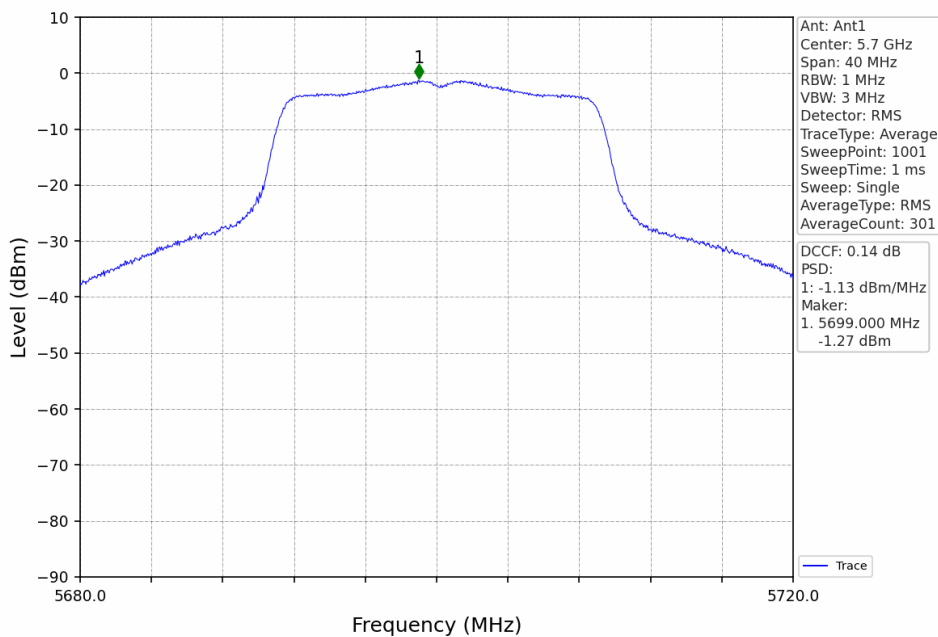
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV

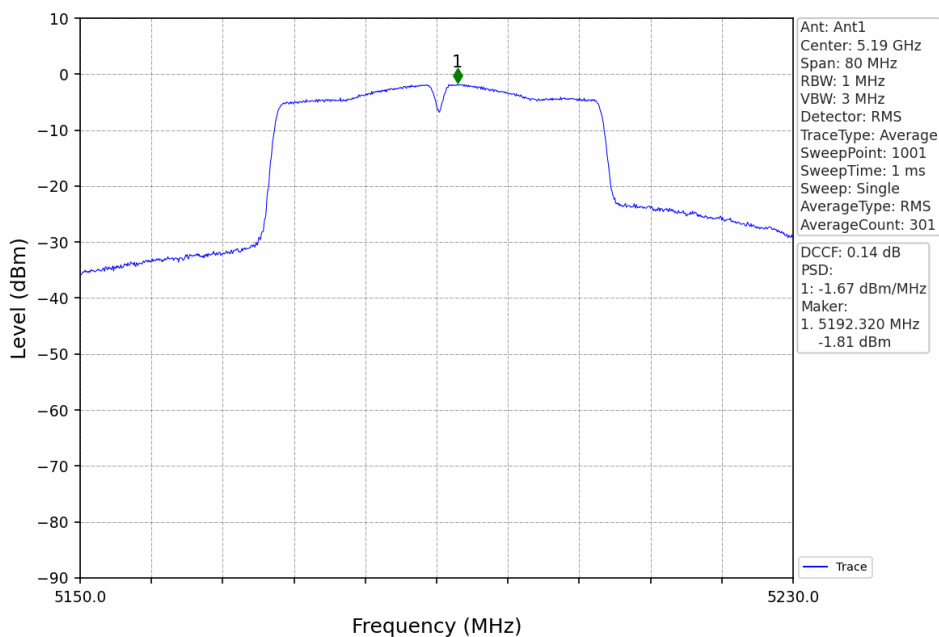


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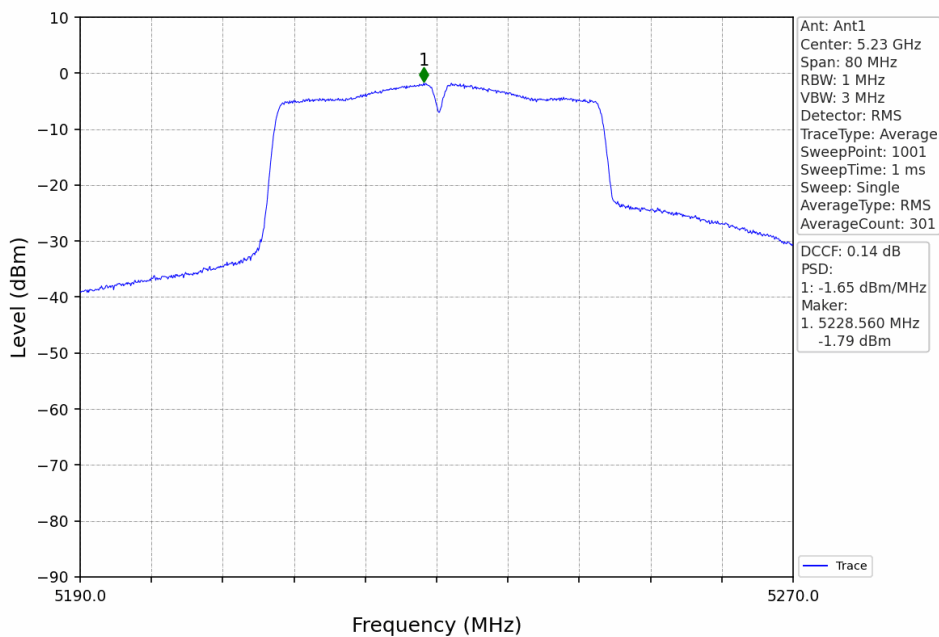
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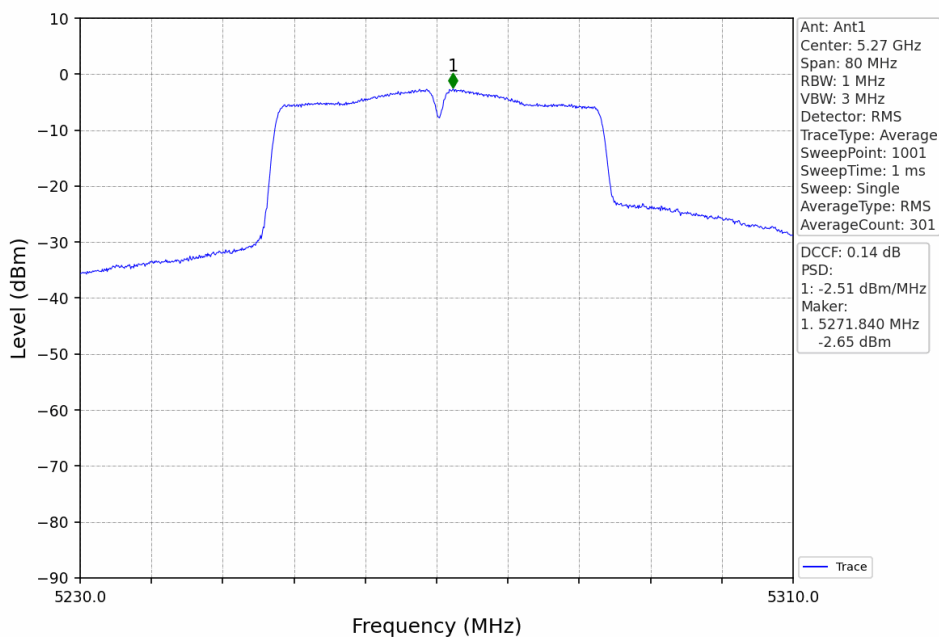
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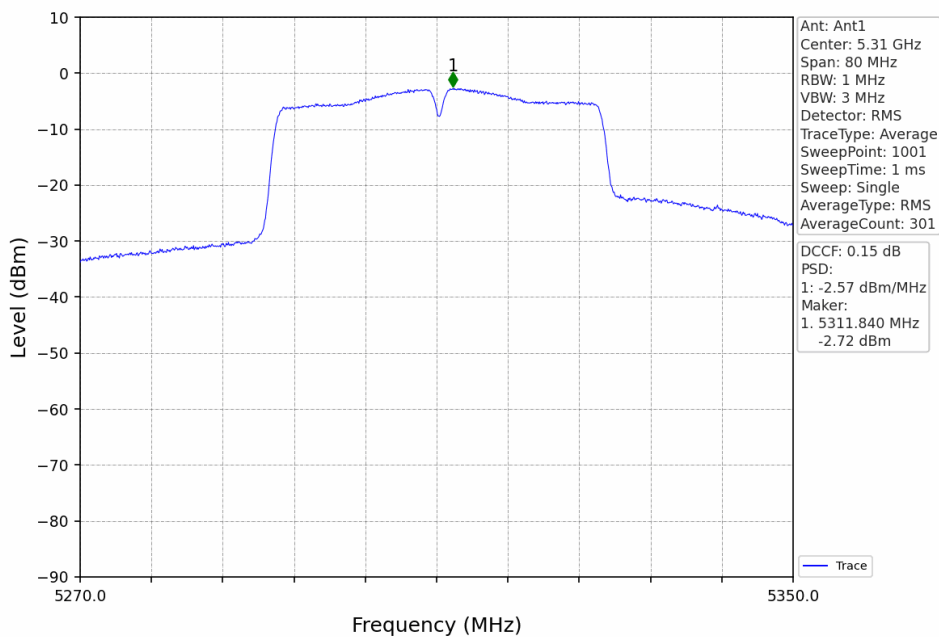
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



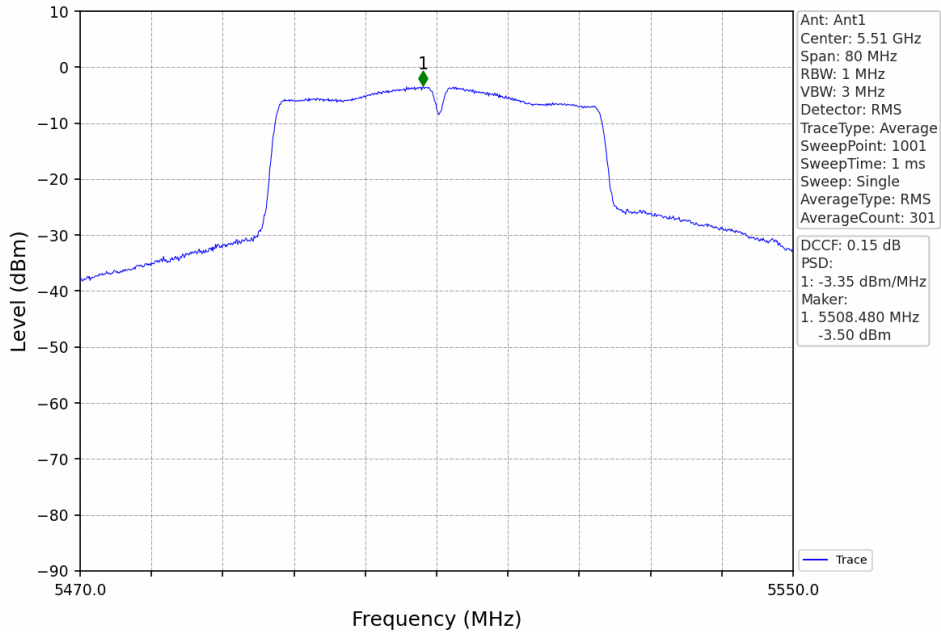
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



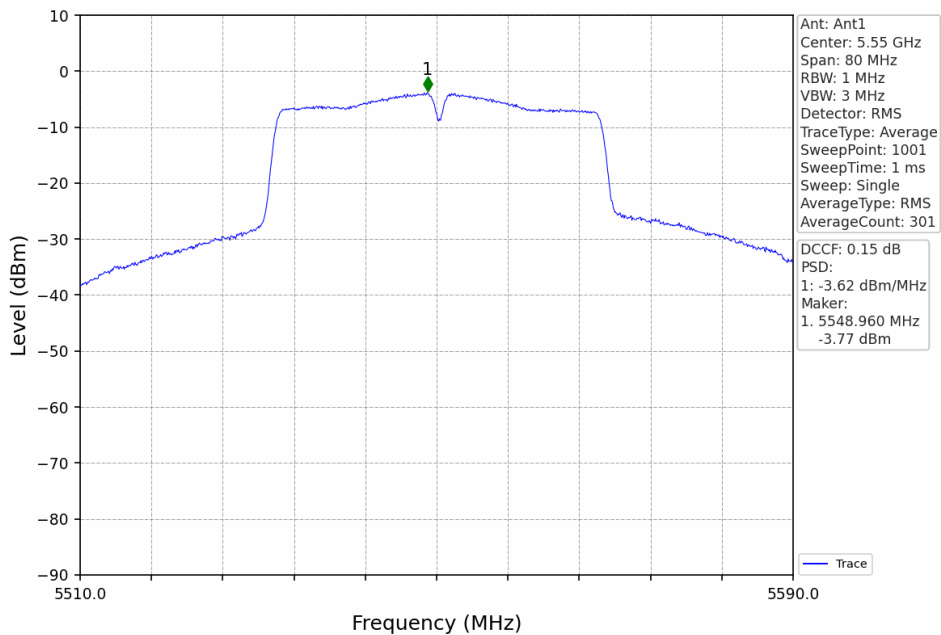
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802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV

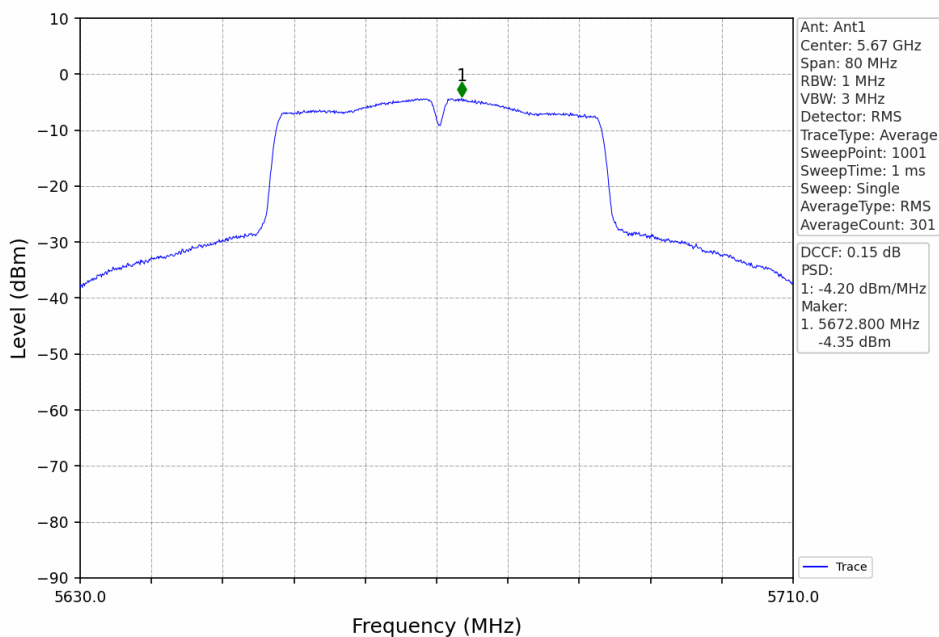


802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV

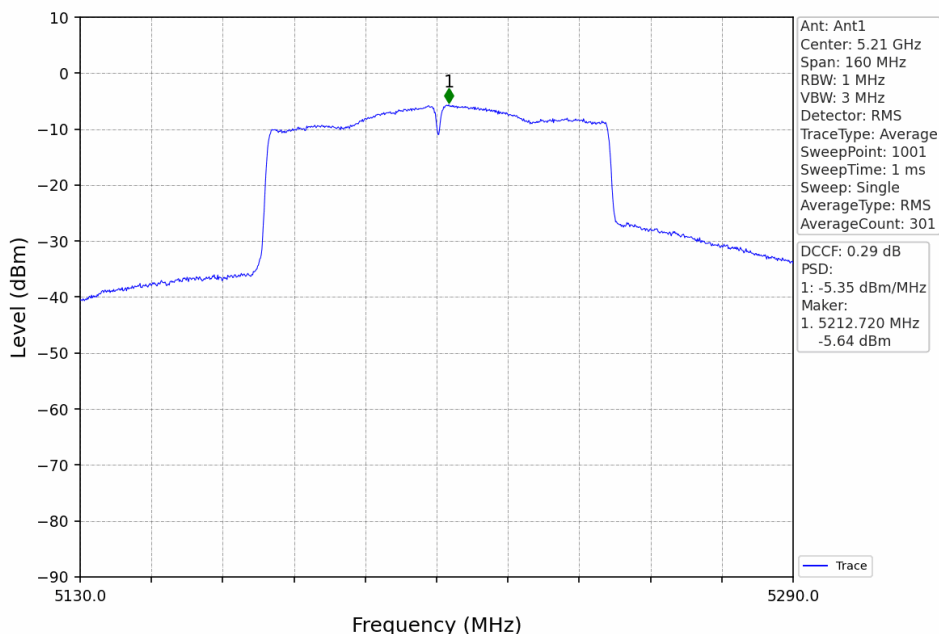


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802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV

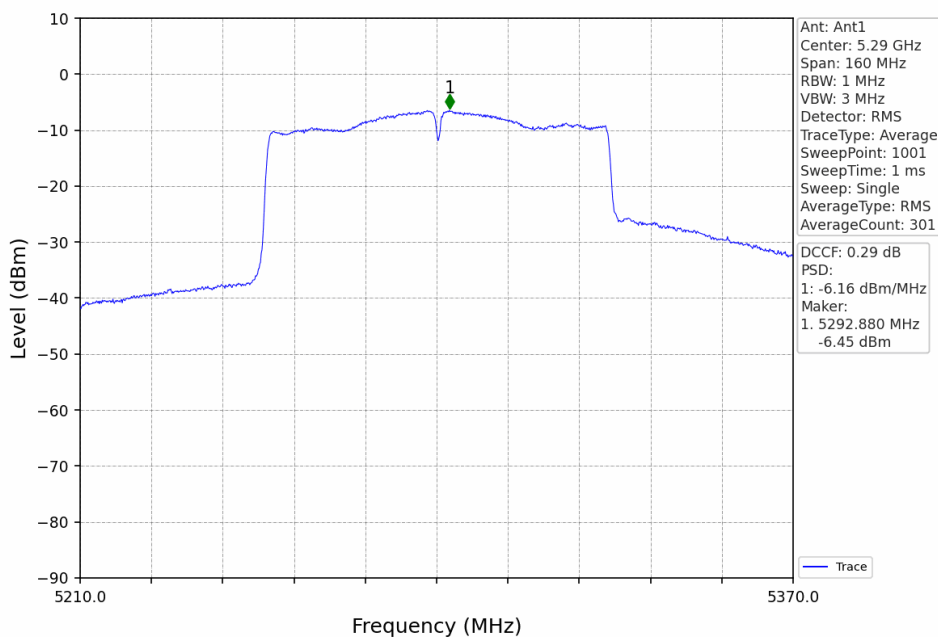


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

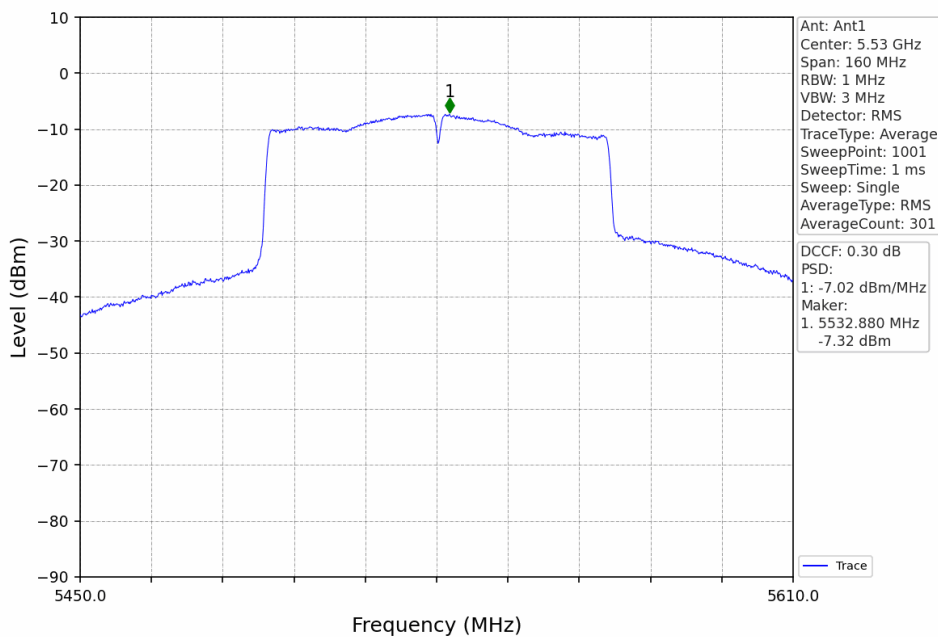


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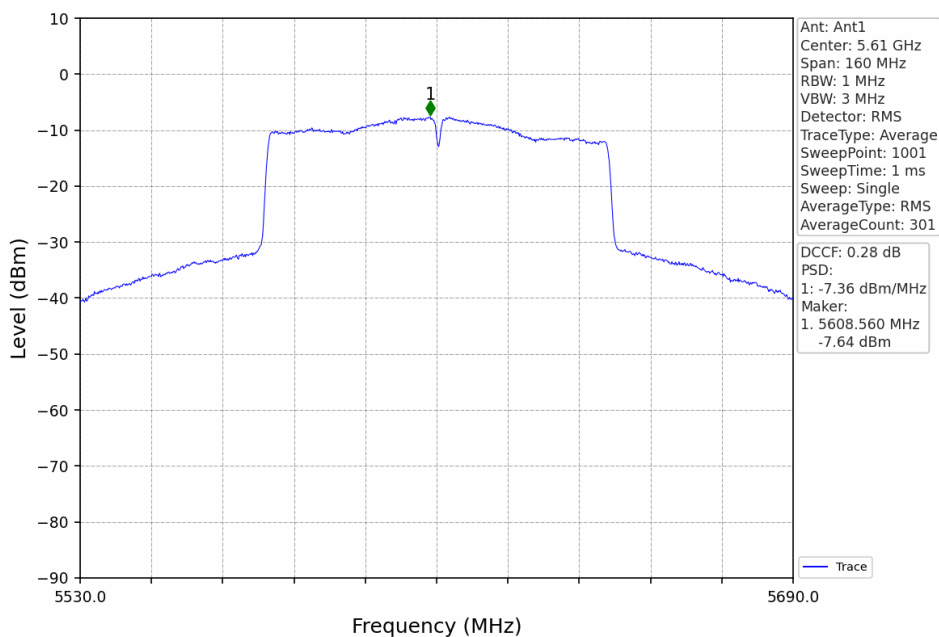
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV

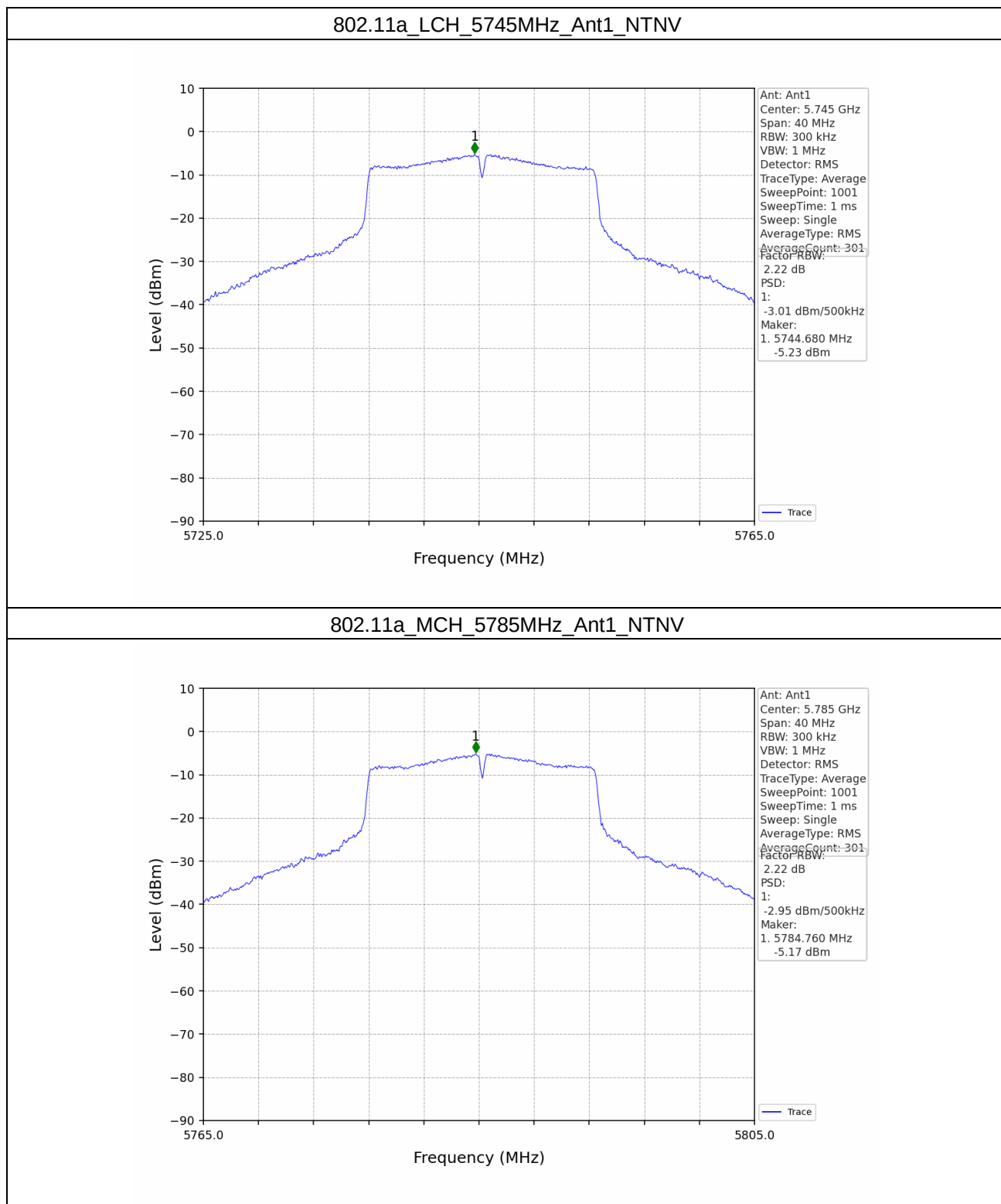


4.2 PSD-Band3

4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			Ant1	Limit	
802.11a	SISO	5745	-3.01	<=30	Pass
		5785	-2.95	<=30	Pass
		5825	-2.10	<=30	Pass
802.11n (HT20)	SISO	5745	-3.33	<=30	Pass
		5785	-3.12	<=30	Pass
		5825	-2.46	<=30	Pass
802.11n (HT40)	SISO	5755	-6.19	<=30	Pass
		5795	-5.50	<=30	Pass
802.11ac (VHT20)	SISO	5745	-3.29	<=30	Pass
		5785	-2.97	<=30	Pass
		5825	-2.40	<=30	Pass
802.11ac (VHT40)	SISO	5755	-5.97	<=30	Pass
		5795	-5.75	<=30	Pass
802.11ac (VHT80)	SISO	5775	-9.69	<=30	Pass

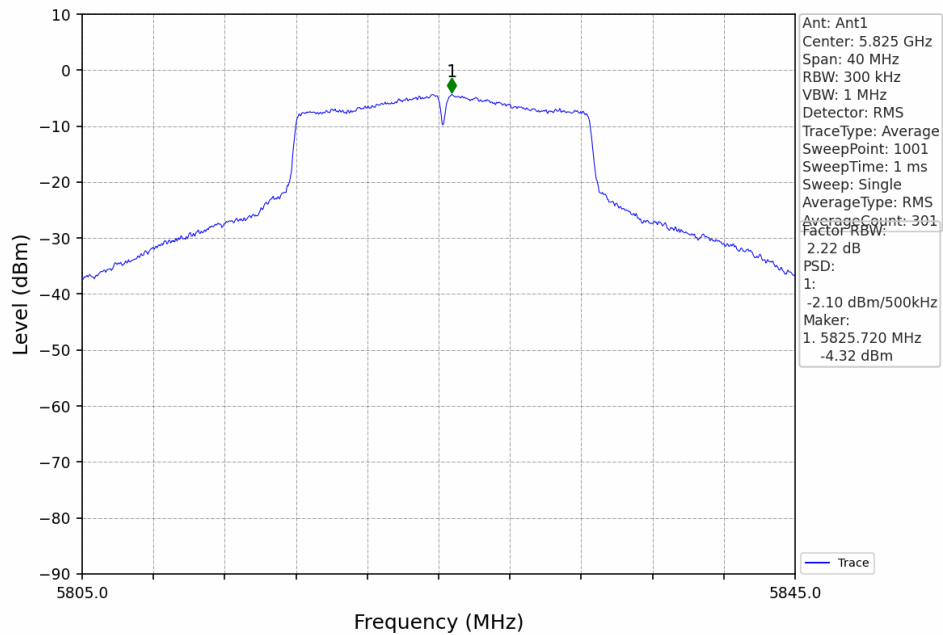
4.2.2 Test Graph



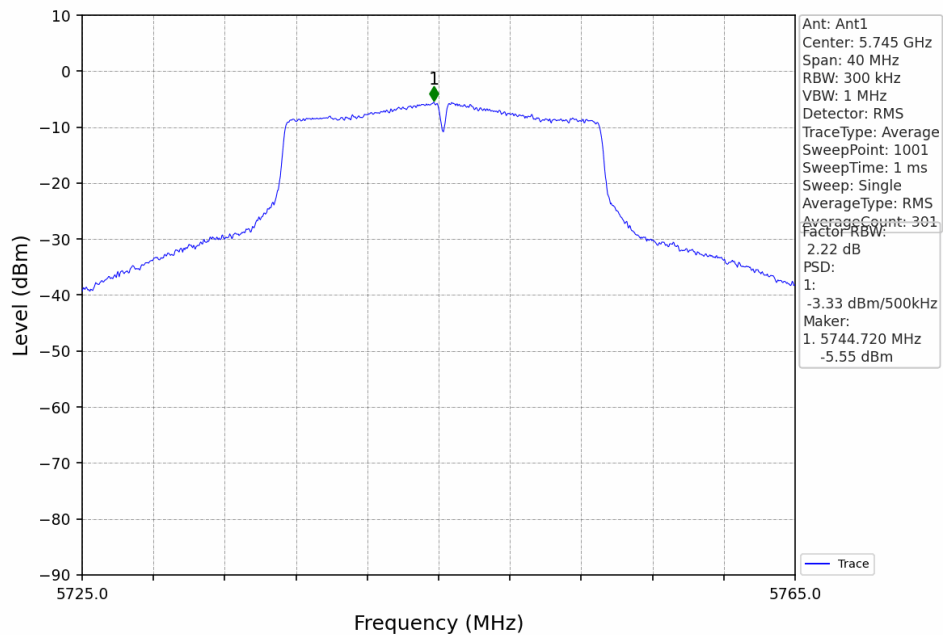
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802.11a_HCH_5825MHz_Ant1_NTNV



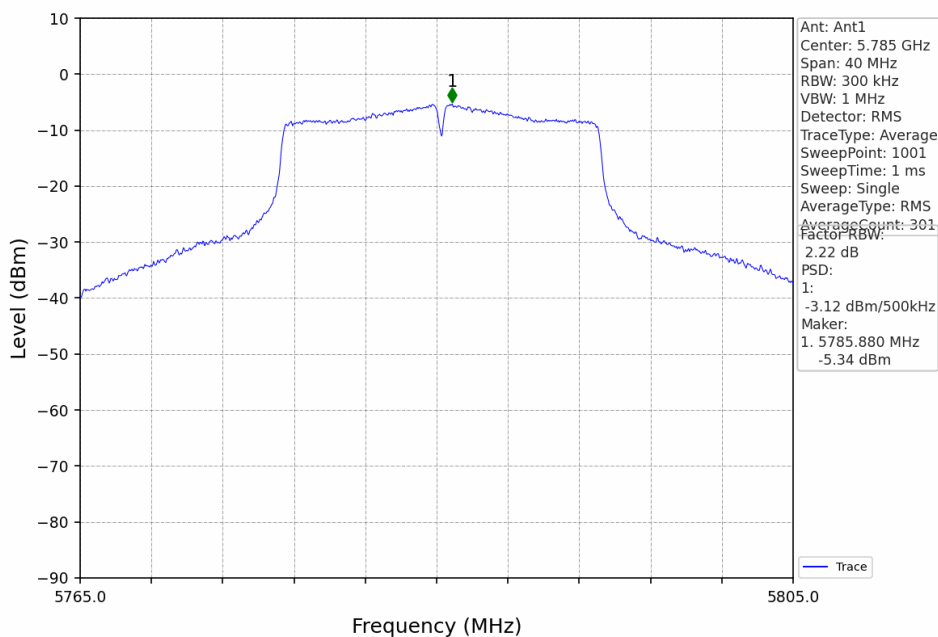
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



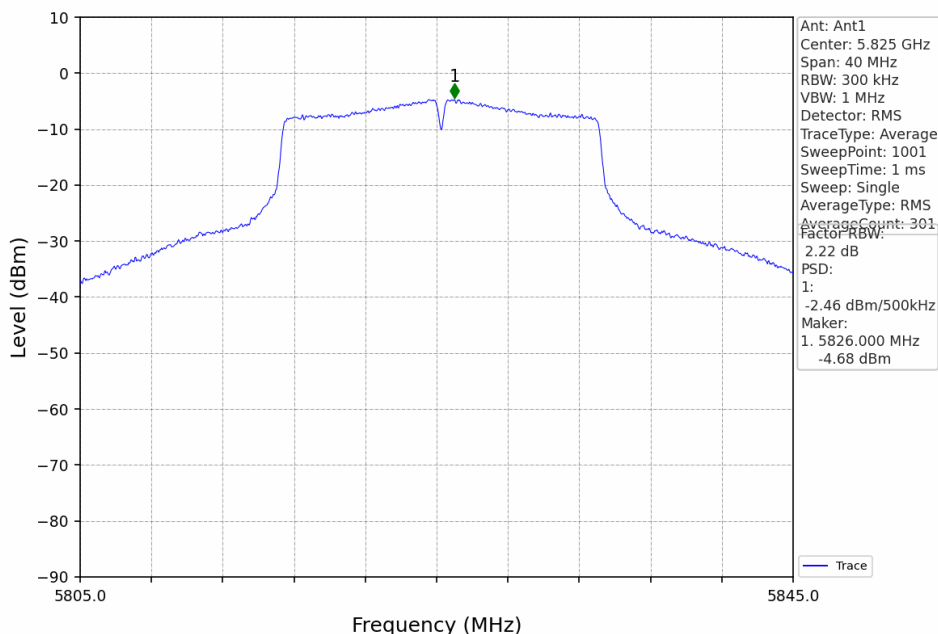
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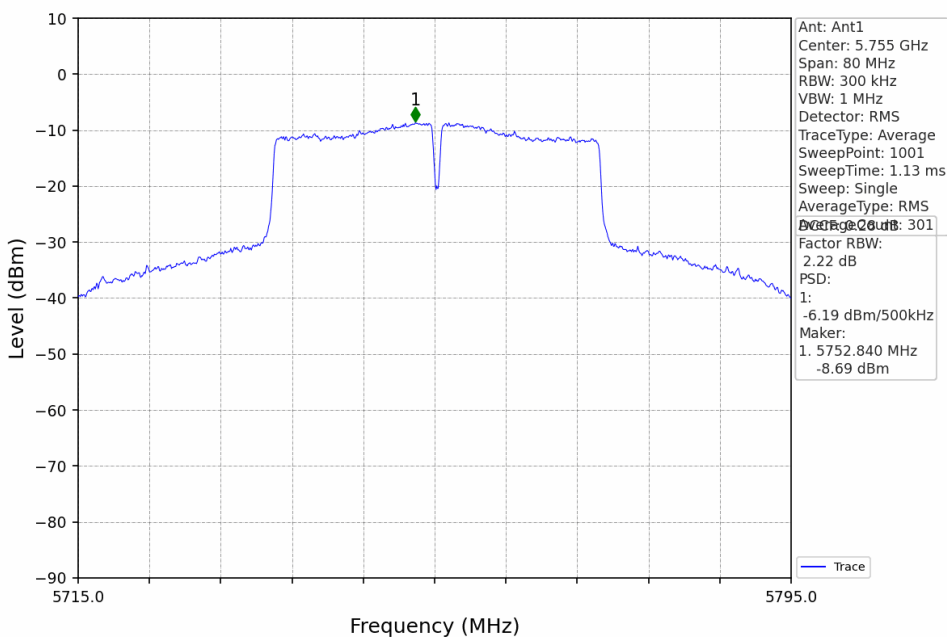
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



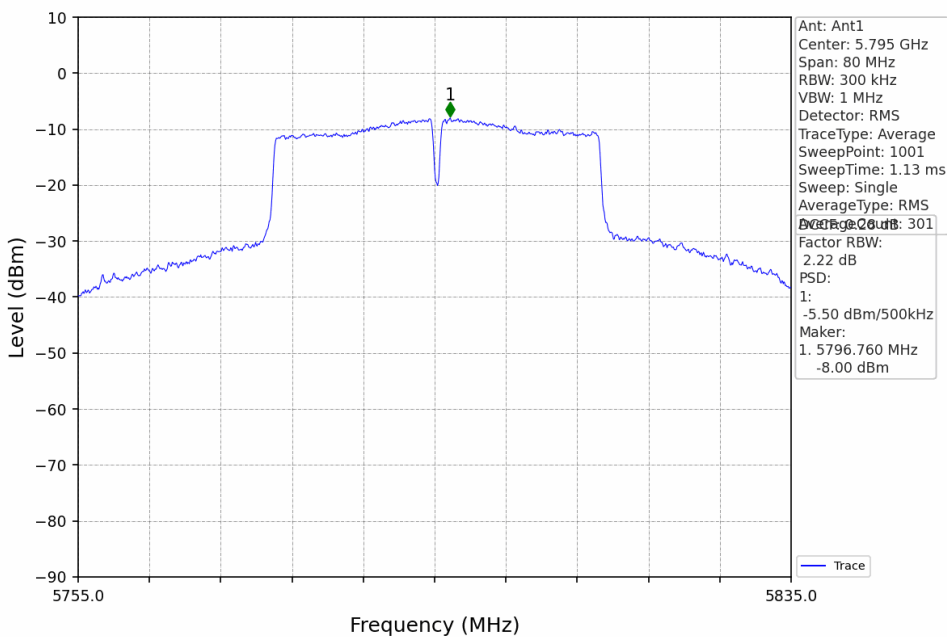
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

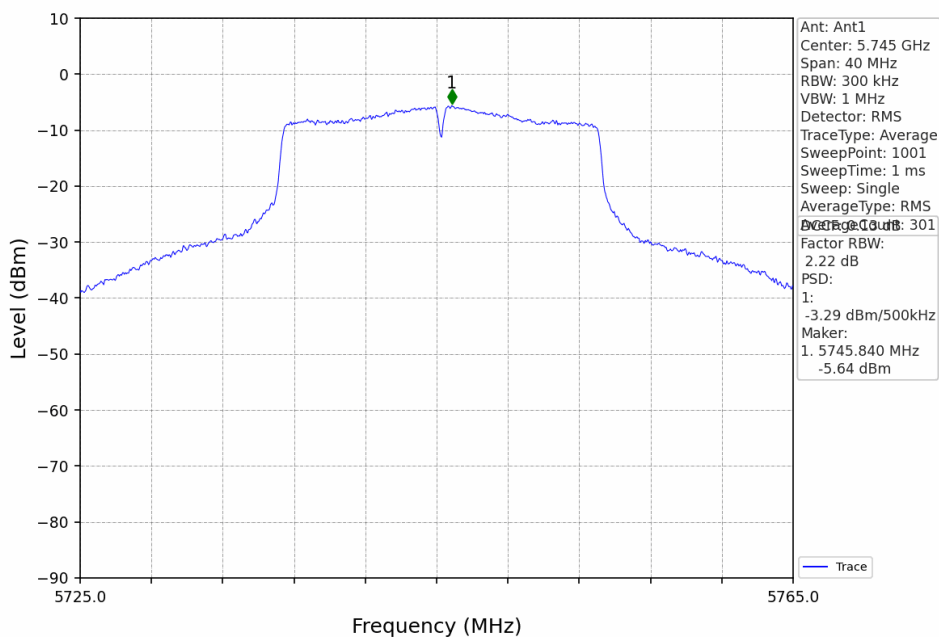


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

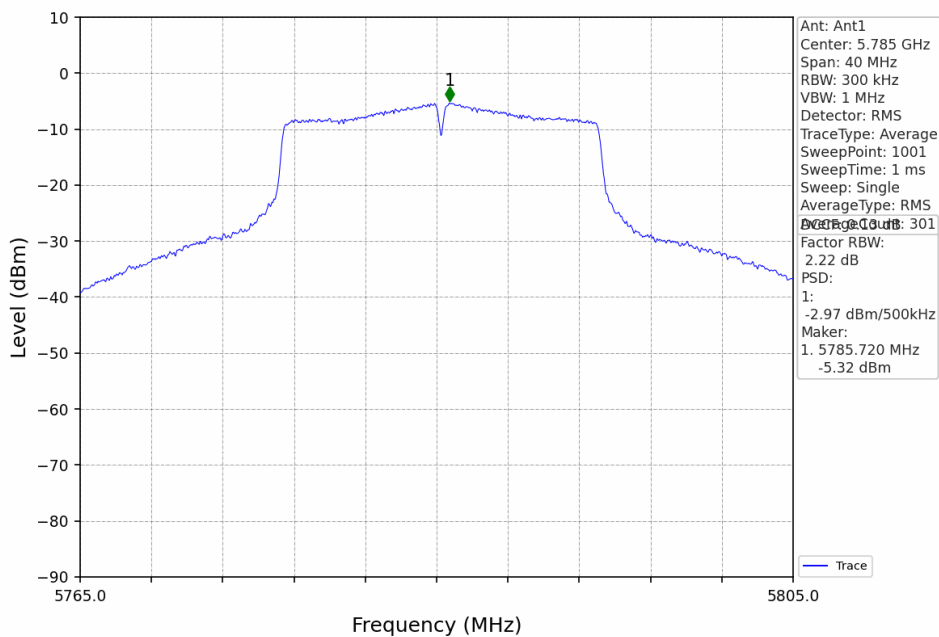


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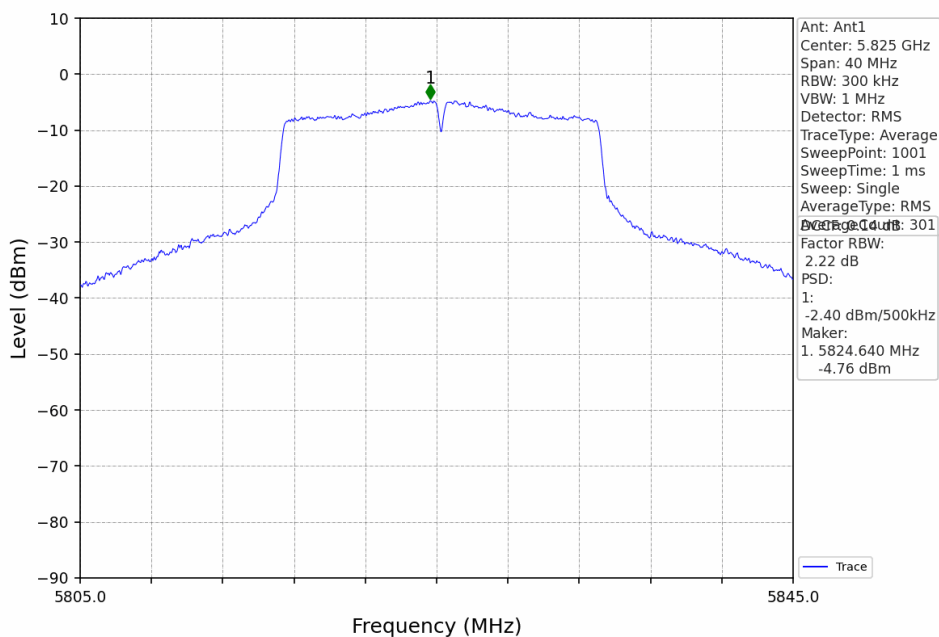
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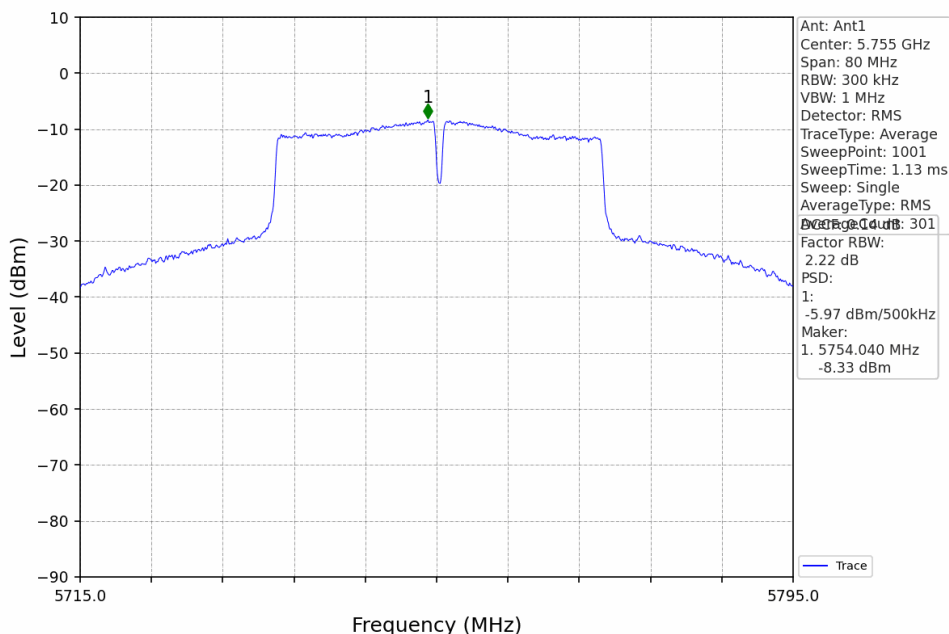
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

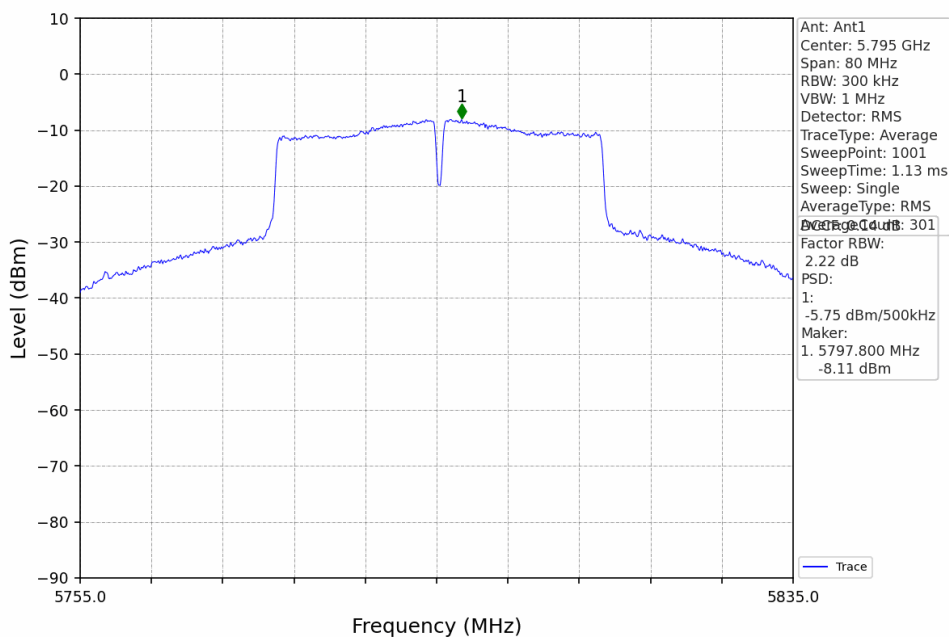


802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

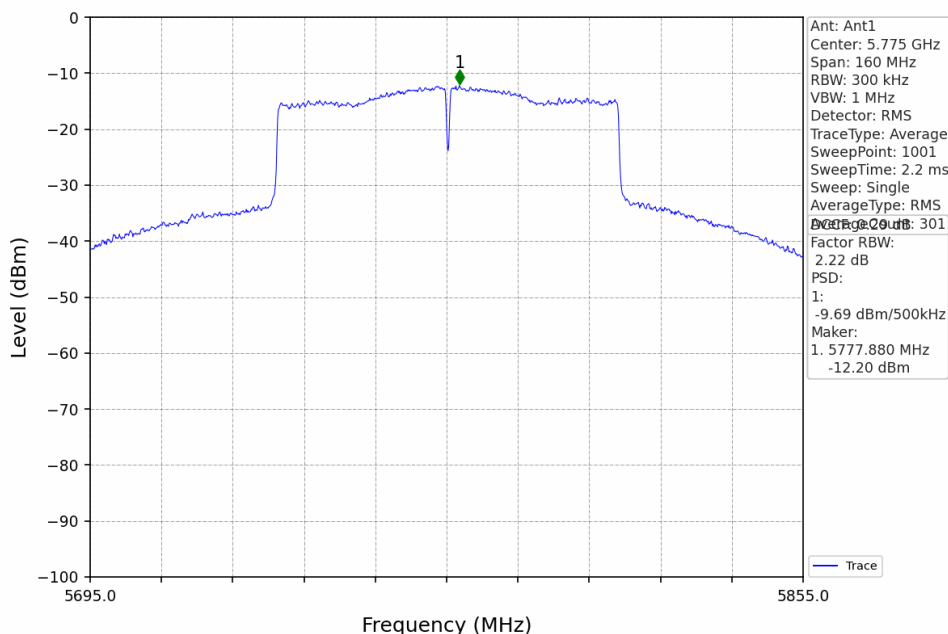


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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_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 (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	4.25	5180.180	5150 to 5250	Pass
				5	5180.220	5150 to 5250	Pass
				5.75	5180.260	5150 to 5250	Pass
			-30	5	5180.220	5150 to 5250	Pass
			-20	5	5180.260	5150 to 5250	Pass
			-10	5	5180.160	5150 to 5250	Pass
			0	5	5180.240	5150 to 5250	Pass
			10	5	5180.220	5150 to 5250	Pass
			30	5	5180.200	5150 to 5250	Pass
			40	5	5180.200	5150 to 5250	Pass
			50	5	5180.200	5150 to 5250	Pass
		5200	20	4.25	5200.200	5150 to 5250	Pass
				5	5200.240	5150 to 5250	Pass
				5.75	5200.280	5150 to 5250	Pass
			-30	5	5200.280	5150 to 5250	Pass
			-20	5	5200.260	5150 to 5250	Pass
			-10	5	5200.220	5150 to 5250	Pass
			0	5	5200.260	5150 to 5250	Pass
			10	5	5200.260	5150 to 5250	Pass
			30	5	5200.200	5150 to 5250	Pass
			40	5	5200.220	5150 to 5250	Pass
			50	5	5200.120	5150 to 5250	Pass
		5240	20	4.25	5240.160	5150 to 5250	Pass
				5	5240.140	5150 to 5250	Pass
				5.75	5240.220	5150 to 5250	Pass
			-30	5	5240.200	5150 to 5250	Pass
			-20	5	5240.160	5150 to 5250	Pass
			-10	5	5240.220	5150 to 5250	Pass
			0	5	5240.200	5150 to 5250	Pass
			10	5	5240.240	5150 to 5250	Pass
			30	5	5240.280	5150 to 5250	Pass
			40	5	5240.160	5150 to 5250	Pass

		5260	50	5	5240.260	5150 to 5250	Pass
			20	4.25	5260.120	5250 to 5350	Pass
				5	5260.180	5250 to 5350	Pass
				5.75	5260.280	5250 to 5350	Pass
			-30	5	5260.220	5250 to 5350	Pass
			-20	5	5260.220	5250 to 5350	Pass
			-10	5	5260.220	5250 to 5350	Pass
			0	5	5260.220	5250 to 5350	Pass
			10	5	5260.220	5250 to 5350	Pass
			30	5	5260.180	5250 to 5350	Pass
			40	5	5260.180	5250 to 5350	Pass
			50	5	5260.260	5250 to 5350	Pass
		5300	20	4.25	5300.280	5250 to 5350	Pass
				5	5300.180	5250 to 5350	Pass
				5.75	5300.200	5250 to 5350	Pass
			-30	5	5300.220	5250 to 5350	Pass
			-20	5	5300.140	5250 to 5350	Pass
			-10	5	5300.200	5250 to 5350	Pass
			0	5	5300.220	5250 to 5350	Pass
			10	5	5300.160	5250 to 5350	Pass
			30	5	5300.140	5250 to 5350	Pass
			40	5	5300.220	5250 to 5350	Pass
			50	5	5300.260	5250 to 5350	Pass
		5320	20	4.25	5320.320	5250 to 5350	Pass
				5	5320.260	5250 to 5350	Pass
				5.75	5320.300	5250 to 5350	Pass
			-30	5	5320.240	5250 to 5350	Pass
			-20	5	5320.220	5250 to 5350	Pass
			-10	5	5320.300	5250 to 5350	Pass
			0	5	5320.220	5250 to 5350	Pass
			10	5	5320.140	5250 to 5350	Pass
			30	5	5320.340	5250 to 5350	Pass
			40	5	5320.240	5250 to 5350	Pass
			50	5	5320.300	5250 to 5350	Pass
		5500	20	4.25	5500.160	5470 to 5725	Pass
				5	5500.260	5470 to 5725	Pass
				5.75	5500.160	5470 to 5725	Pass
			-30	5	5500.160	5470 to 5725	Pass
			-20	5	5500.180	5470 to 5725	Pass
			-10	5	5500.180	5470 to 5725	Pass
			0	5	5500.180	5470 to 5725	Pass
			10	5	5500.220	5470 to 5725	Pass



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			30	5	5500.120	5470 to 5725	Pass
			40	5	5500.180	5470 to 5725	Pass
			50	5	5500.200	5470 to 5725	Pass
		5580	20	4.25	5580.200	5470 to 5725	Pass
				5	5580.200	5470 to 5725	Pass
				5.75	5580.220	5470 to 5725	Pass
			-30	5	5580.240	5470 to 5725	Pass
			-20	5	5580.240	5470 to 5725	Pass
			-10	5	5580.200	5470 to 5725	Pass
			0	5	5580.220	5470 to 5725	Pass
			10	5	5580.180	5470 to 5725	Pass
			30	5	5580.140	5470 to 5725	Pass
			40	5	5580.220	5470 to 5725	Pass
			50	5	5580.240	5470 to 5725	Pass
		5700	20	4.25	5700.200	5470 to 5725	Pass
				5	5700.260	5470 to 5725	Pass
				5.75	5700.320	5470 to 5725	Pass
			-30	5	5700.240	5470 to 5725	Pass
			-20	5	5700.260	5470 to 5725	Pass
			-10	5	5700.220	5470 to 5725	Pass
			0	5	5700.280	5470 to 5725	Pass
			10	5	5700.240	5470 to 5725	Pass
			30	5	5700.220	5470 to 5725	Pass
			40	5	5700.180	5470 to 5725	Pass
			50	5	5700.180	5470 to 5725	Pass
		5745	20	4.25	5745.200	5725 to 5850	Pass
				5	5745.140	5725 to 5850	Pass
				5.75	5745.300	5725 to 5850	Pass
			-30	5	5745.200	5725 to 5850	Pass
			-20	5	5745.200	5725 to 5850	Pass
			-10	5	5745.220	5725 to 5850	Pass
			0	5	5745.240	5725 to 5850	Pass
			10	5	5745.220	5725 to 5850	Pass
			30	5	5745.200	5725 to 5850	Pass
			40	5	5745.200	5725 to 5850	Pass
			50	5	5745.220	5725 to 5850	Pass
		5785	20	4.25	5785.240	5725 to 5850	Pass
				5	5785.300	5725 to 5850	Pass
				5.75	5785.200	5725 to 5850	Pass
			-30	5	5785.260	5725 to 5850	Pass
			-20	5	5785.260	5725 to 5850	Pass
			-10	5	5785.260	5725 to 5850	Pass



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			0	5	5785.180	5725 to 5850	Pass
			10	5	5785.280	5725 to 5850	Pass
			30	5	5785.220	5725 to 5850	Pass
			40	5	5785.220	5725 to 5850	Pass
			50	5	5785.260	5725 to 5850	Pass
		5825	20	4.25	5825.260	5725 to 5850	Pass
				5	5825.260	5725 to 5850	Pass
				5.75	5825.220	5725 to 5850	Pass
			-30	5	5825.300	5725 to 5850	Pass
			-20	5	5825.220	5725 to 5850	Pass
			-10	5	5825.280	5725 to 5850	Pass
			0	5	5825.240	5725 to 5850	Pass
			10	5	5825.220	5725 to 5850	Pass
			30	5	5825.260	5725 to 5850	Pass
			40	5	5825.280	5725 to 5850	Pass
			50	5	5825.280	5725 to 5850	Pass
802.11n (HT20)	SISO	5180	20	4.25	5180.200	5150 to 5250	Pass
				5	5180.160	5150 to 5250	Pass
				5.75	5180.240	5150 to 5250	Pass
			-30	5	5180.160	5150 to 5250	Pass
			-20	5	5180.200	5150 to 5250	Pass
			-10	5	5180.200	5150 to 5250	Pass
			0	5	5180.220	5150 to 5250	Pass
			10	5	5180.140	5150 to 5250	Pass
			30	5	5180.240	5150 to 5250	Pass
			40	5	5180.100	5150 to 5250	Pass
			50	5	5180.240	5150 to 5250	Pass
		5200	20	4.25	5200.260	5150 to 5250	Pass
				5	5200.200	5150 to 5250	Pass
				5.75	5200.140	5150 to 5250	Pass
			-30	5	5200.260	5150 to 5250	Pass
			-20	5	5200.180	5150 to 5250	Pass
			-10	5	5200.180	5150 to 5250	Pass
			0	5	5200.220	5150 to 5250	Pass
			10	5	5200.200	5150 to 5250	Pass
			30	5	5200.240	5150 to 5250	Pass
			40	5	5200.200	5150 to 5250	Pass
			50	5	5200.240	5150 to 5250	Pass
		5240	20	4.25	5240.200	5150 to 5250	Pass
				5	5240.280	5150 to 5250	Pass
				5.75	5240.160	5150 to 5250	Pass
			-30	5	5240.160	5150 to 5250	Pass



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