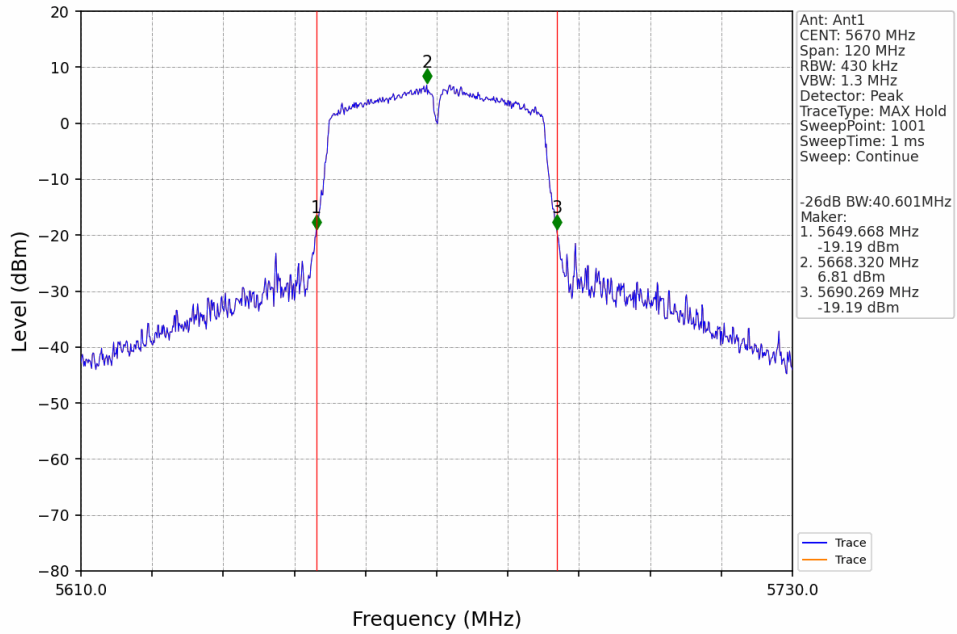
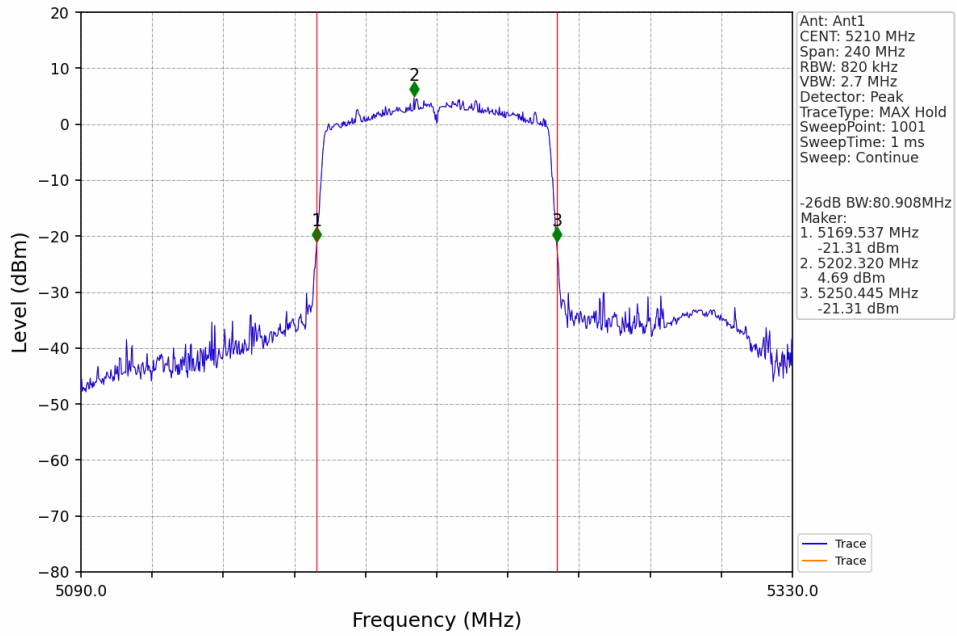
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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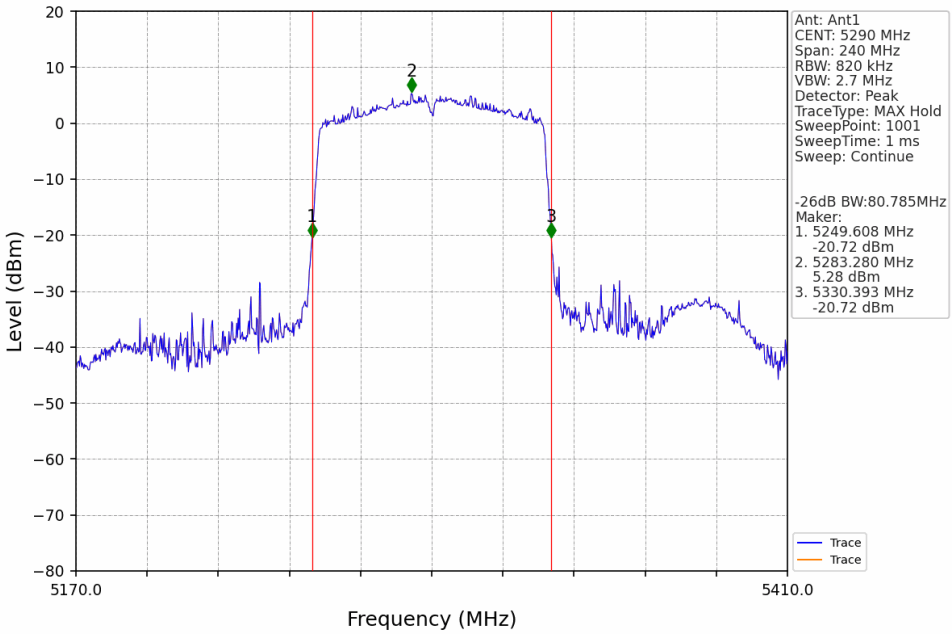
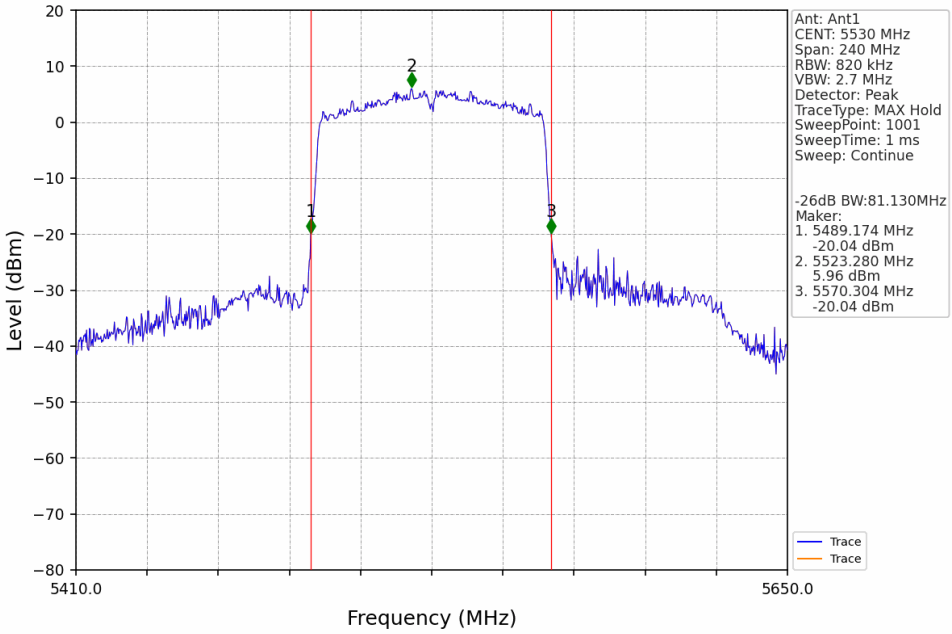
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



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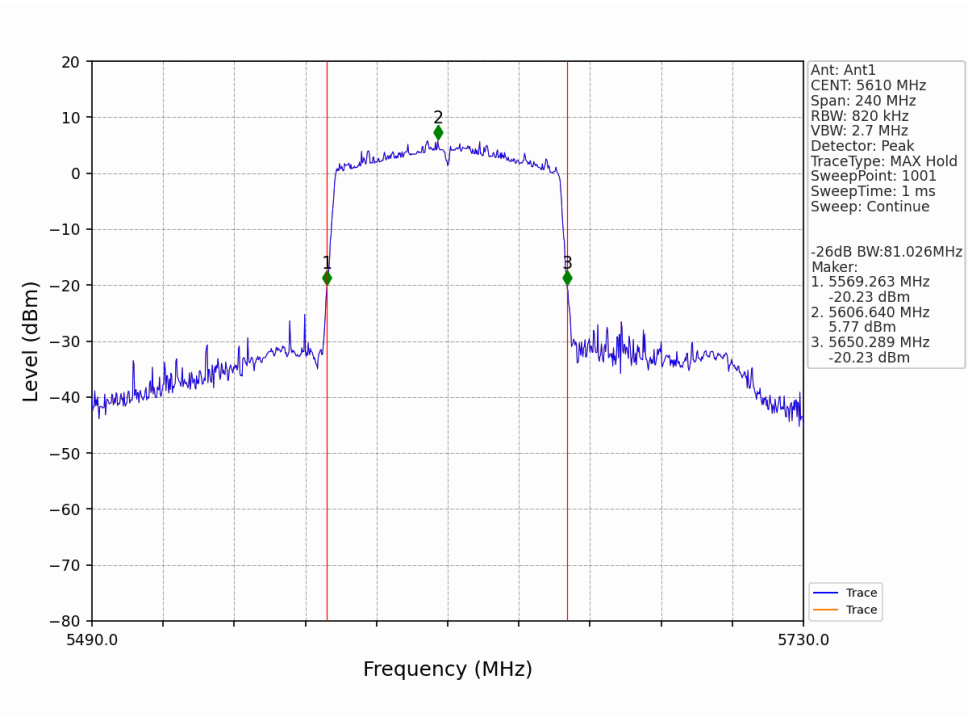
802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



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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	
802.11a	SISO	5180	16.83	<=30	Pass
		5200	16.51	<=30	Pass
		5240	16.69	<=30	Pass
		5260	16.91	<=23.98	Pass
		5300	17.33	<=23.98	Pass
		5320	17.31	<=23.98	Pass
		5500	17.53	<=23.98	Pass
		5580	17.33	<=23.98	Pass
		5700	17.58	<=23.98	Pass
		5745	17.31	<=30	Pass
		5785	17.56	<=30	Pass
		5825	17.21	<=30	Pass
802.11n (HT20)	SISO	5180	16.48	<=30	Pass
		5200	16.33	<=30	Pass
		5240	16.48	<=30	Pass
		5260	16.80	<=23.98	Pass
		5300	17.12	<=23.98	Pass
		5320	17.18	<=23.98	Pass
		5500	16.39	<=23.98	Pass
		5580	16.79	<=23.98	Pass
		5700	17.33	<=23.98	Pass
		5745	17.24	<=30	Pass
		5785	17.25	<=30	Pass
		5825	17.08	<=30	Pass
802.11n (HT40)	SISO	5190	14.50	<=30	Pass
		5230	14.54	<=30	Pass
		5270	15.07	<=23.98	Pass
		5310	15.31	<=23.98	Pass
		5510	15.90	<=23.98	Pass
		5550	15.56	<=23.98	Pass

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		5670	15.70	<=23.98	Pass
		5755	15.98	<=30	Pass
		5795	15.76	<=30	Pass
802.11ac (VHT20)	SISO	5180	16.40	<=30	Pass
		5200	16.20	<=30	Pass
		5240	16.44	<=30	Pass
		5260	16.81	<=23.98	Pass
		5300	17.03	<=23.98	Pass
		5320	17.10	<=23.98	Pass
		5500	17.94	<=23.98	Pass
		5580	17.89	<=23.98	Pass
		5700	17.99	<=23.98	Pass
		5745	17.34	<=30	Pass
		5785	17.66	<=30	Pass
		5825	17.50	<=30	Pass
802.11ac (VHT40)	SISO	5190	14.86	<=30	Pass
		5230	14.29	<=30	Pass
		5270	14.97	<=23.98	Pass
		5310	15.24	<=23.98	Pass
		5510	15.66	<=23.98	Pass
		5550	15.28	<=23.98	Pass
		5670	15.72	<=23.98	Pass
		5755	15.80	<=30	Pass
		5795	15.76	<=30	Pass
802.11ac (VHT80)	SISO	5210	13.59	<=30	Pass
		5290	14.08	<=23.98	Pass
		5530	14.77	<=23.98	Pass
		5610	14.20	<=23.98	Pass
		5775	14.84	<=30	Pass

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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	
802.11a	SISO	5180	7.15	<=17	Pass
		5200	7.49	<=17	Pass
		5240	7.68	<=17	Pass
		5260	7.73	<=11	Pass
		5300	8.03	<=11	Pass
		5320	8.03	<=11	Pass
		5500	8.47	<=11	Pass
		5580	7.35	<=11	Pass
		5700	7.72	<=11	Pass
802.11n (HT20)	SISO	5180	7.55	<=17	Pass
		5200	6.70	<=17	Pass
		5240	7.47	<=17	Pass
		5260	7.48	<=11	Pass
		5300	7.82	<=11	Pass
		5320	7.38	<=11	Pass
		5500	7.58	<=11	Pass
		5580	7.37	<=11	Pass
		5700	7.97	<=11	Pass
802.11n (HT40)	SISO	5190	2.38	<=17	Pass
		5230	2.01	<=17	Pass
		5270	2.98	<=11	Pass
		5310	2.55	<=11	Pass
		5510	2.97	<=11	Pass
		5550	3.01	<=11	Pass
		5670	3.39	<=11	Pass
802.11ac (VHT20)	SISO	5180	7.42	<=17	Pass
		5200	6.63	<=17	Pass
		5240	6.99	<=17	Pass
		5260	7.63	<=11	Pass
		5300	7.92	<=11	Pass
		5320	7.97	<=11	Pass

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		5500	8.27	<=11	Pass
		5580	8.06	<=11	Pass
		5700	8.52	<=11	Pass
802.11ac (VHT40)	SISO	5190	2.39	<=17	Pass
		5230	2.70	<=17	Pass
		5270	2.84	<=11	Pass
		5310	3.07	<=11	Pass
		5510	3.19	<=11	Pass
		5550	2.98	<=11	Pass
		5670	3.30	<=11	Pass
802.11ac (VHT80)	SISO	5210	-2.00	<=17	Pass
		5290	-1.28	<=11	Pass
		5530	-0.67	<=11	Pass
		5610	-1.45	<=11	Pass

4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	4.78	<=30	Pass
		5785	4.83	<=30	Pass
		5825	4.59	<=30	Pass
802.11n (HT20)	SISO	5745	4.99	<=30	Pass
		5785	5.02	<=30	Pass
		5825	4.63	<=30	Pass
802.11n (HT40)	SISO	5755	0.50	<=30	Pass
		5795	0.58	<=30	Pass
802.11ac (VHT20)	SISO	5745	5.79	<=30	Pass
		5785	5.50	<=30	Pass
		5825	5.39	<=30	Pass
802.11ac (VHT40)	SISO	5755	0.59	<=30	Pass
		5795	0.29	<=30	Pass
802.11ac (VHT80)	SISO	5775	-3.49	<=30	Pass

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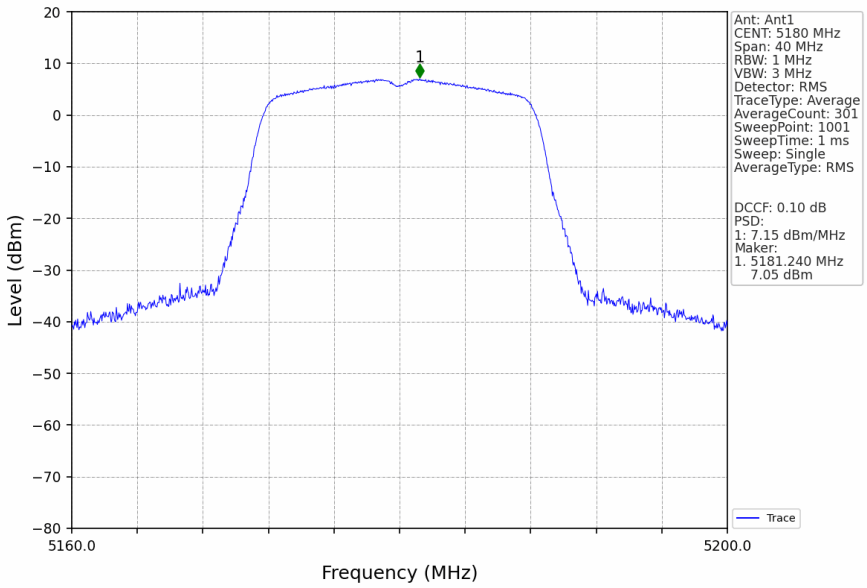
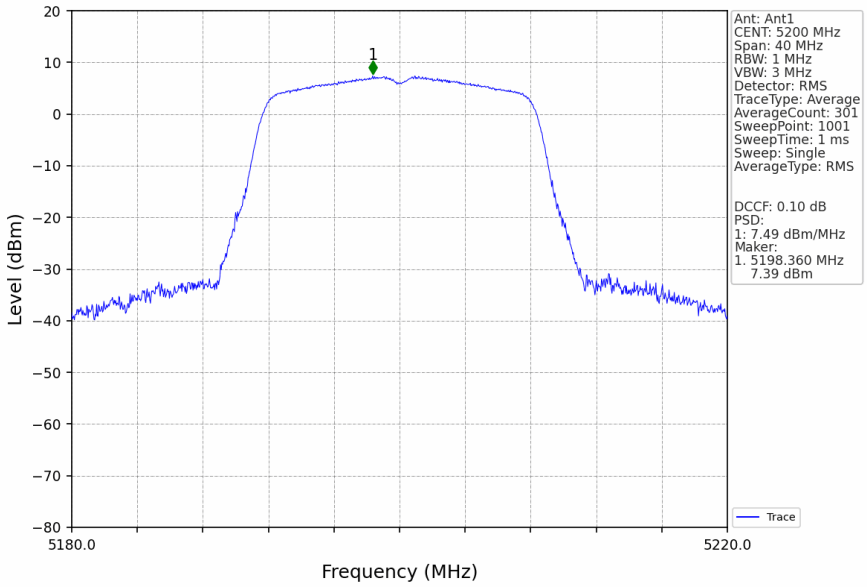
4.2 Test Graph

4.2.1 PSD

802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV



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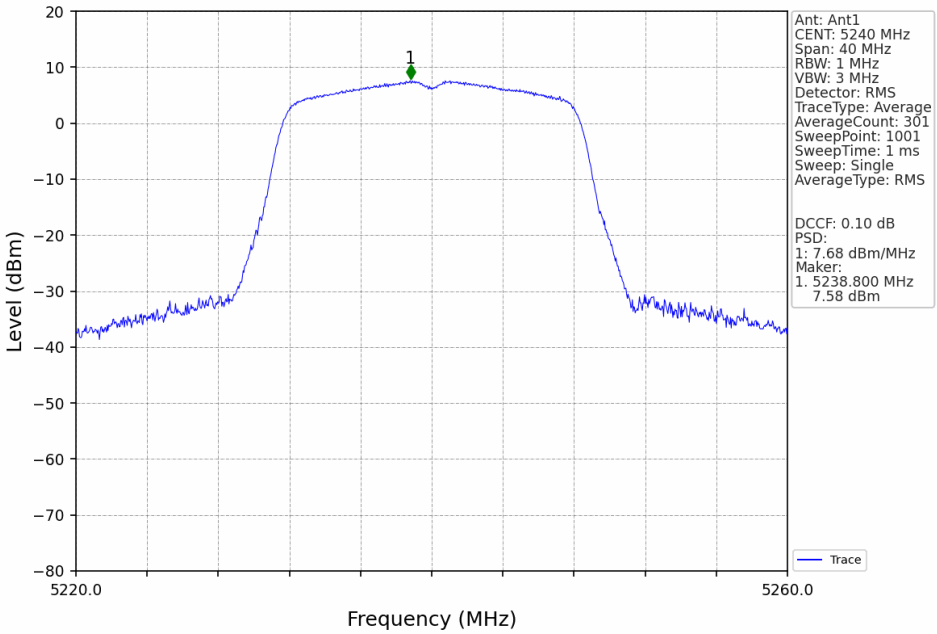
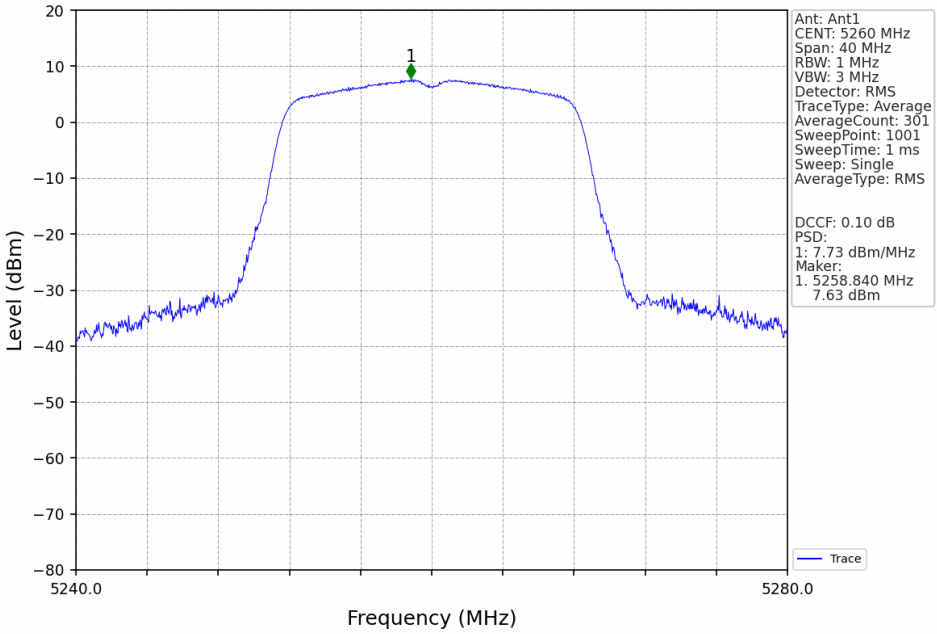
802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5260MHz_Ant1_NTNV



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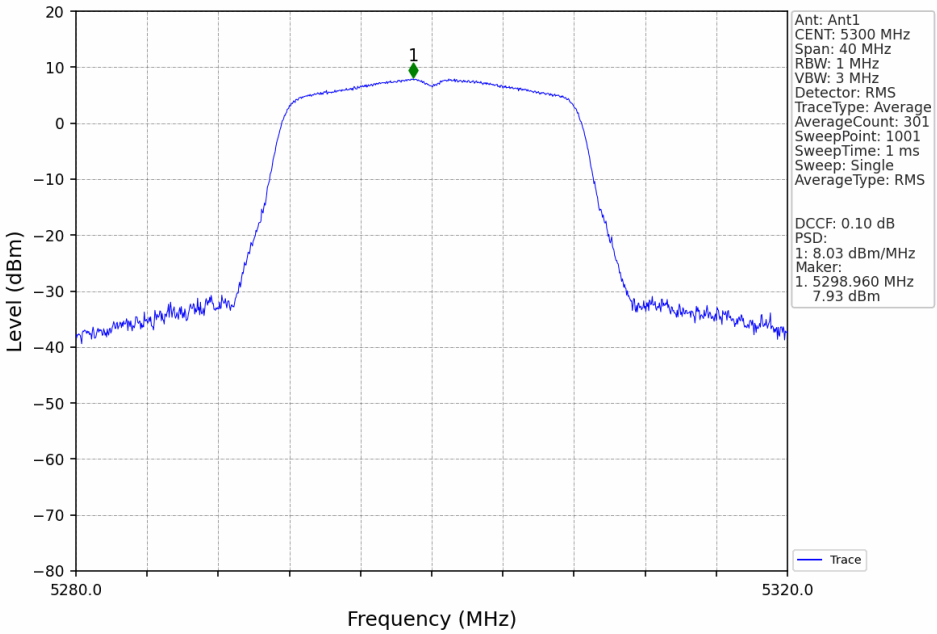
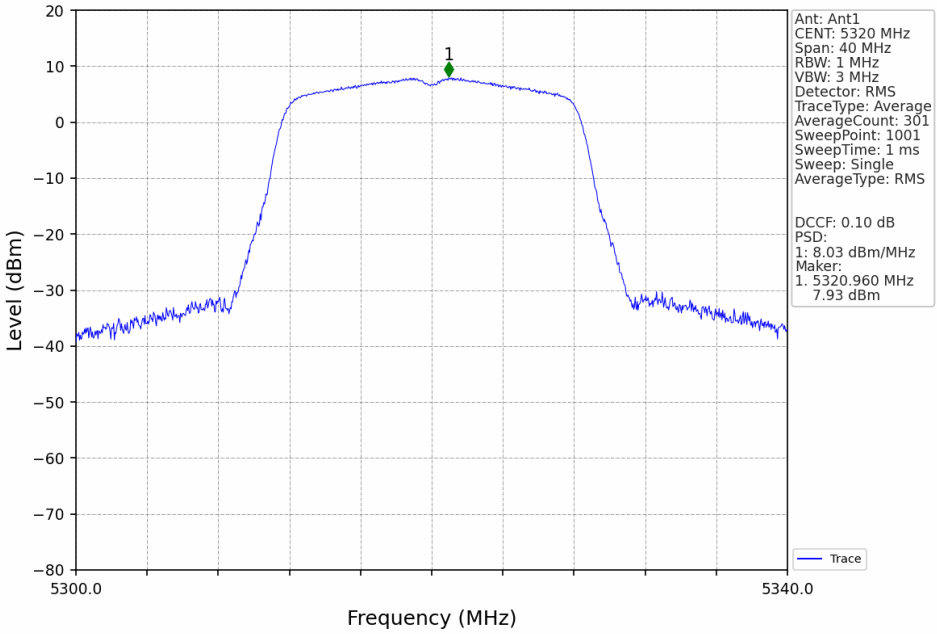


802.11a_HCH_5320MHz_Ant1_NTNV



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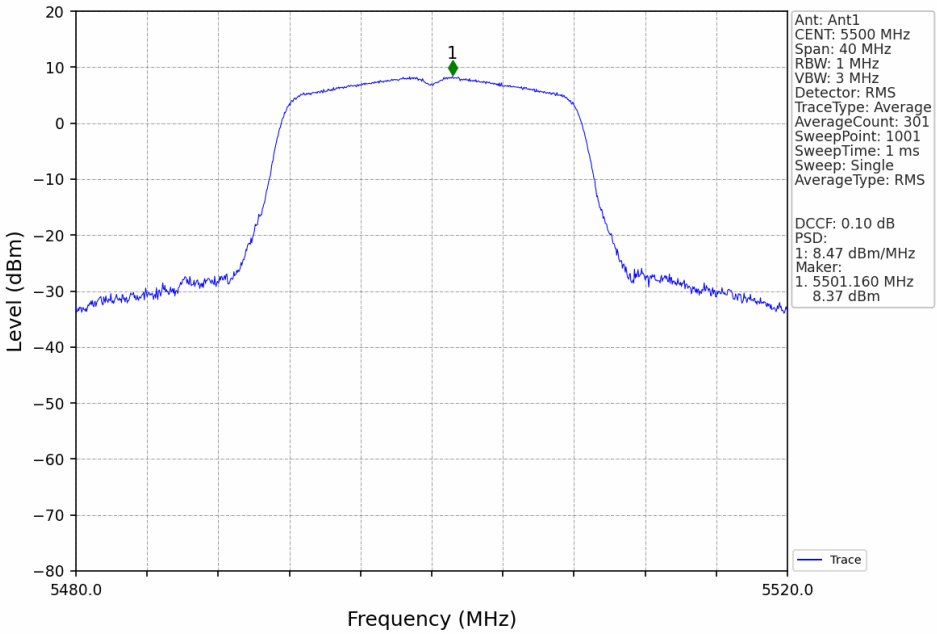
802.11a_LCH_5500MHz_Ant1_NTNV



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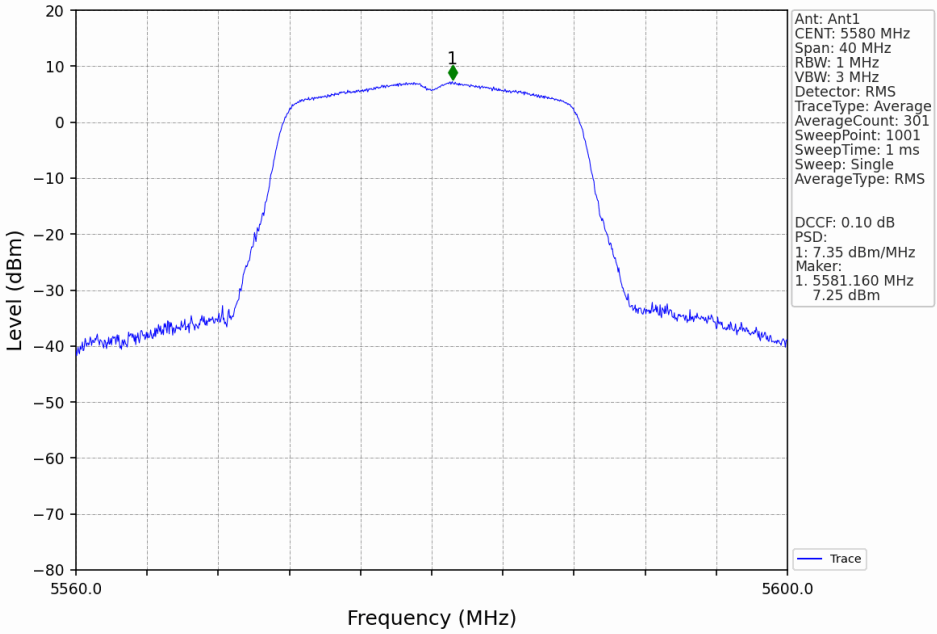

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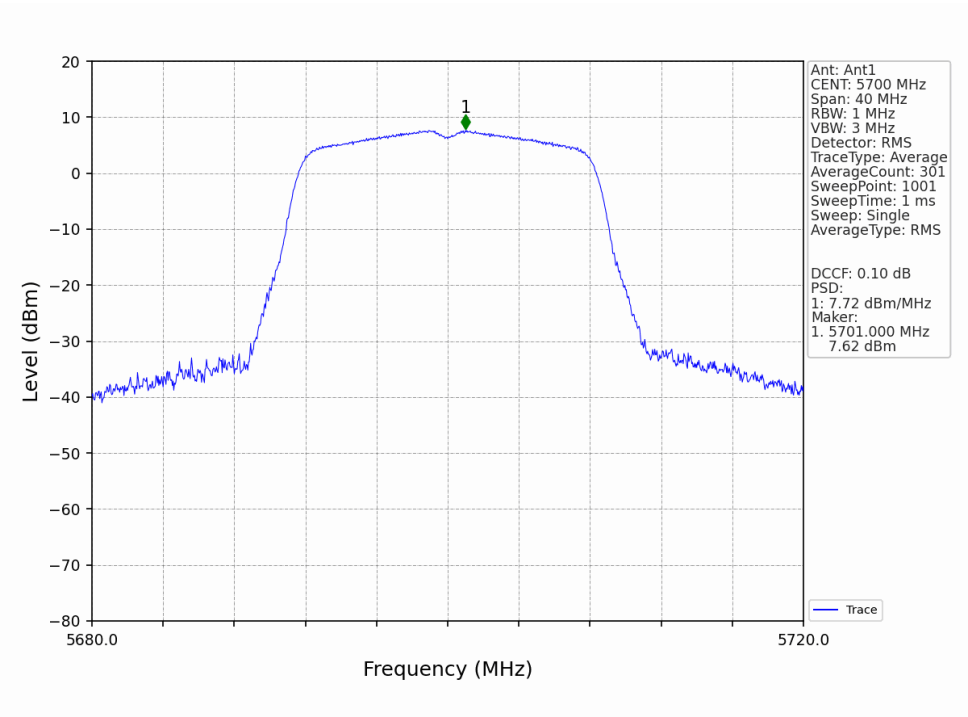
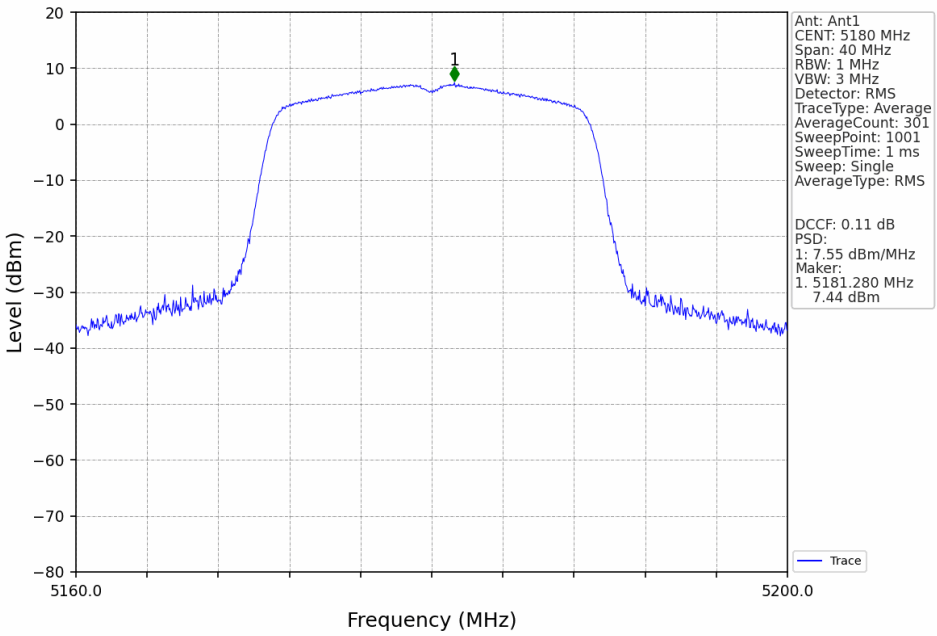
802.11a_HCH_5700MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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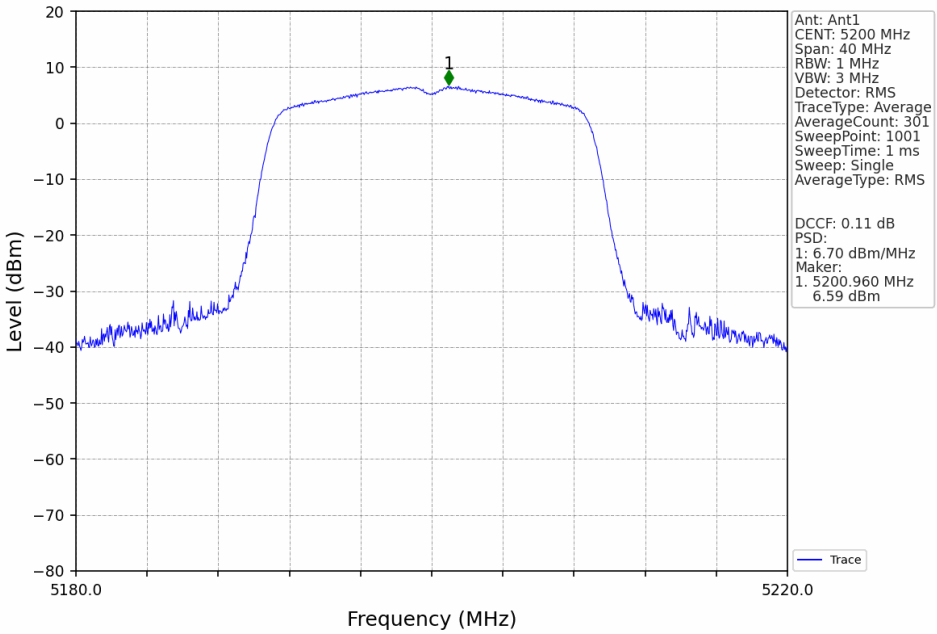
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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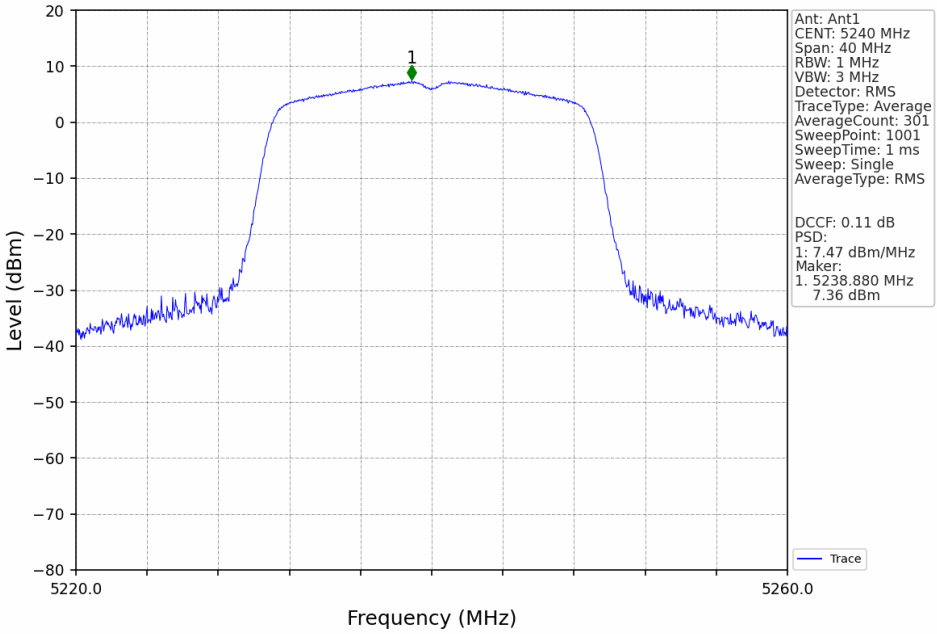

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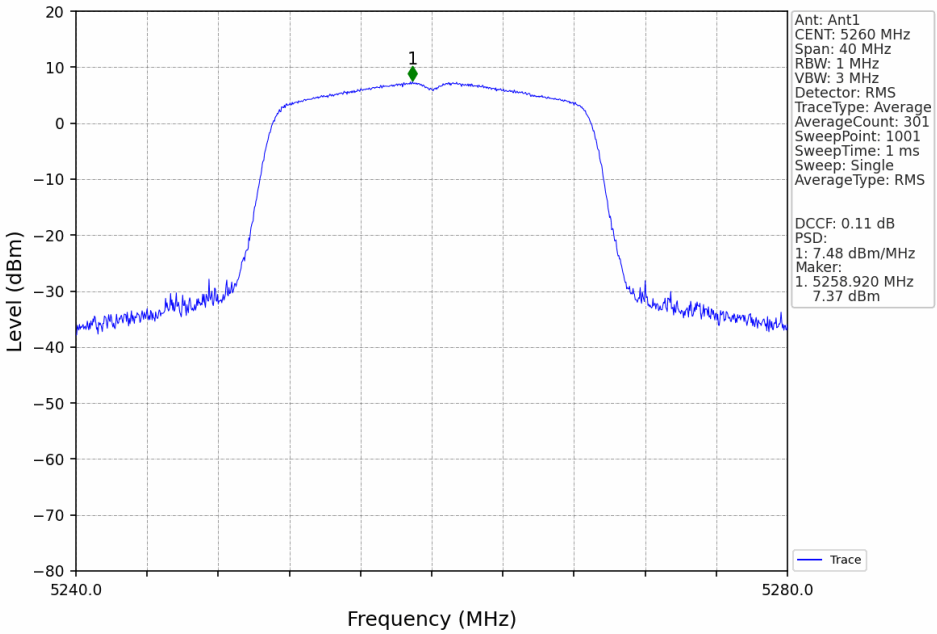
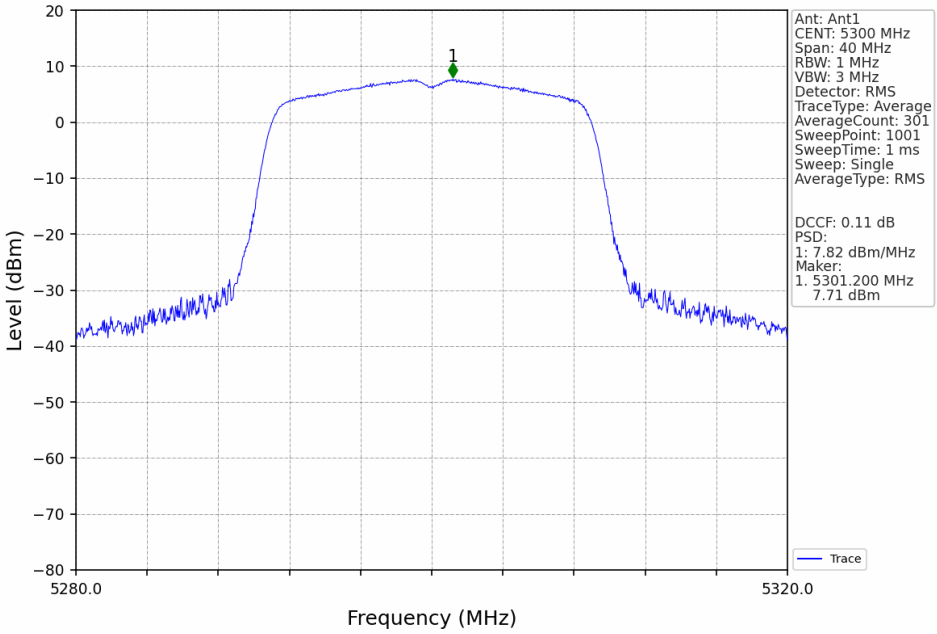
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



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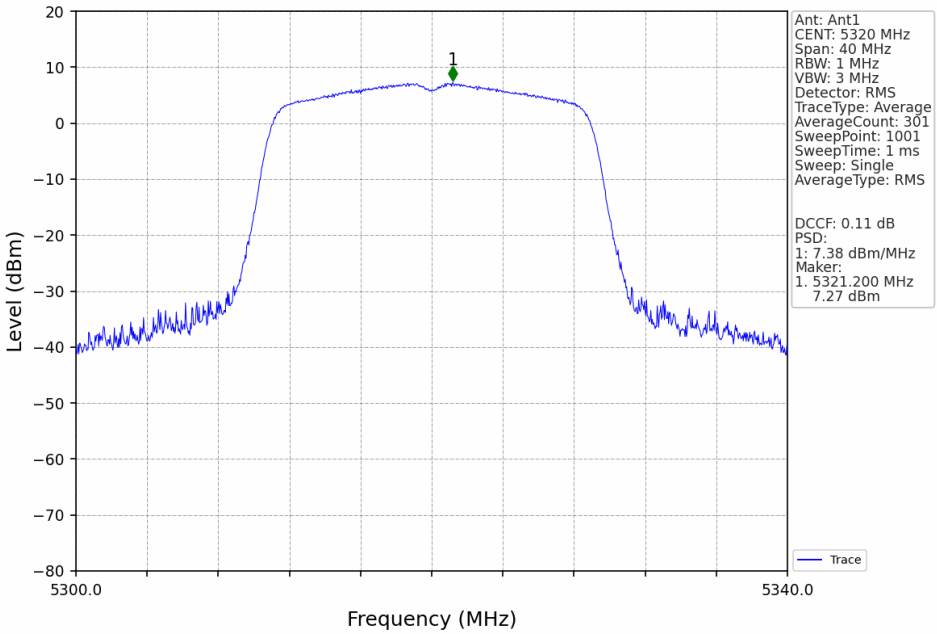
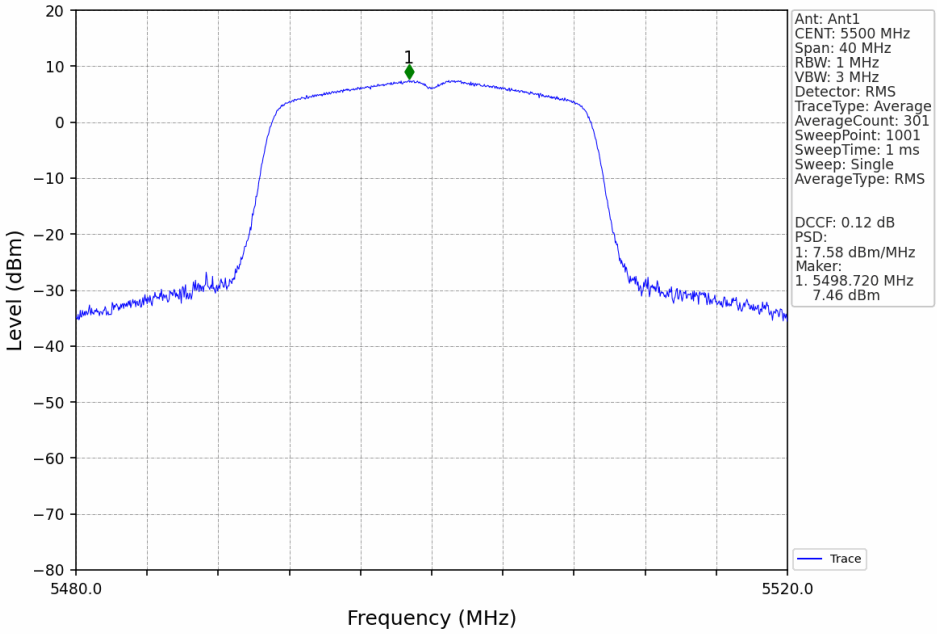
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



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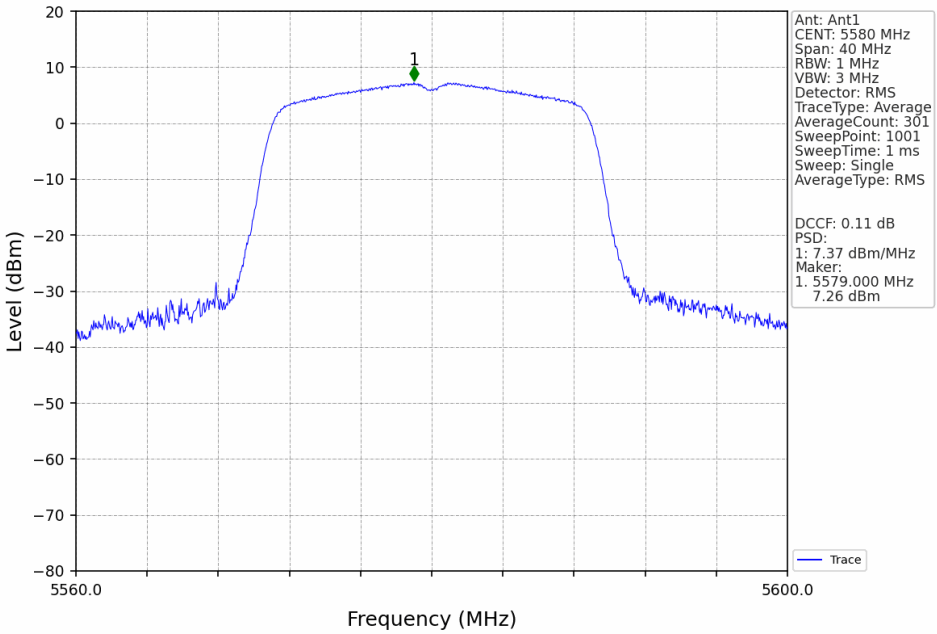
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



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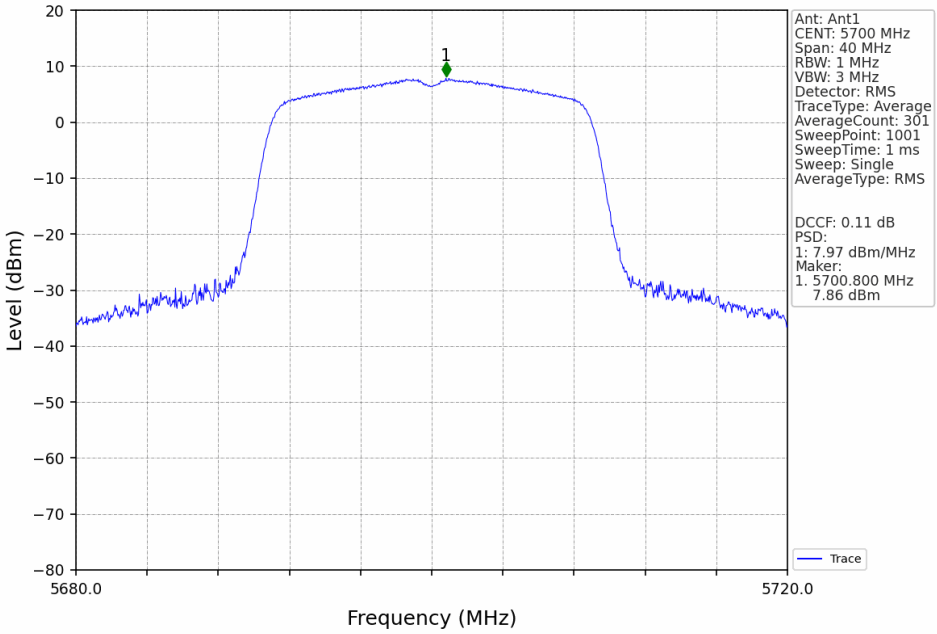

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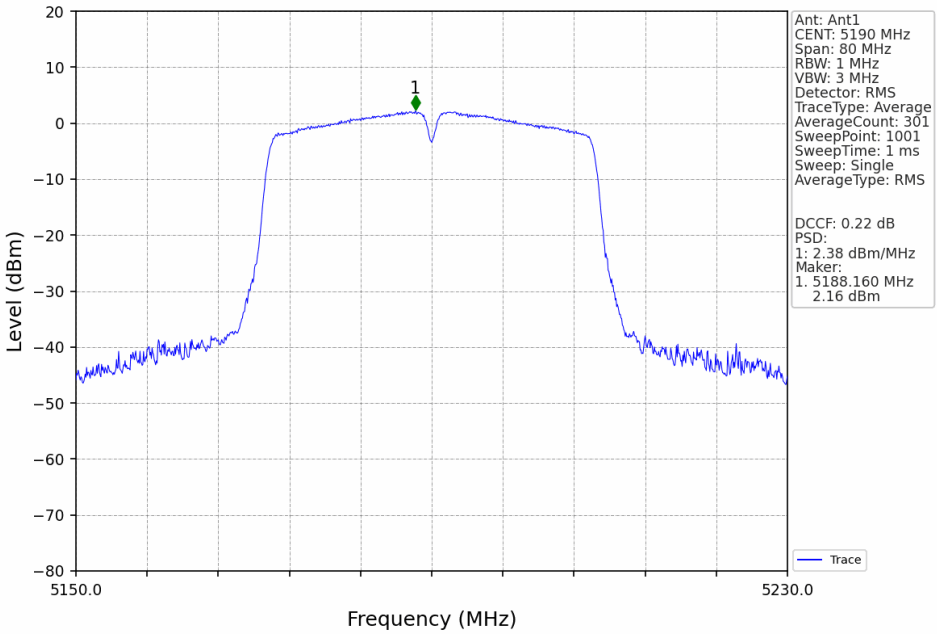
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



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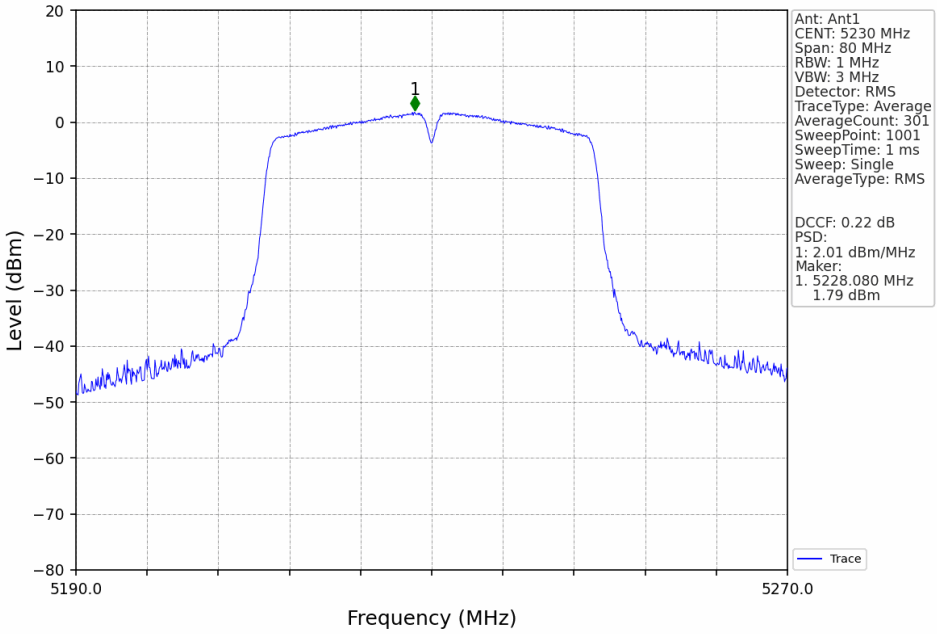

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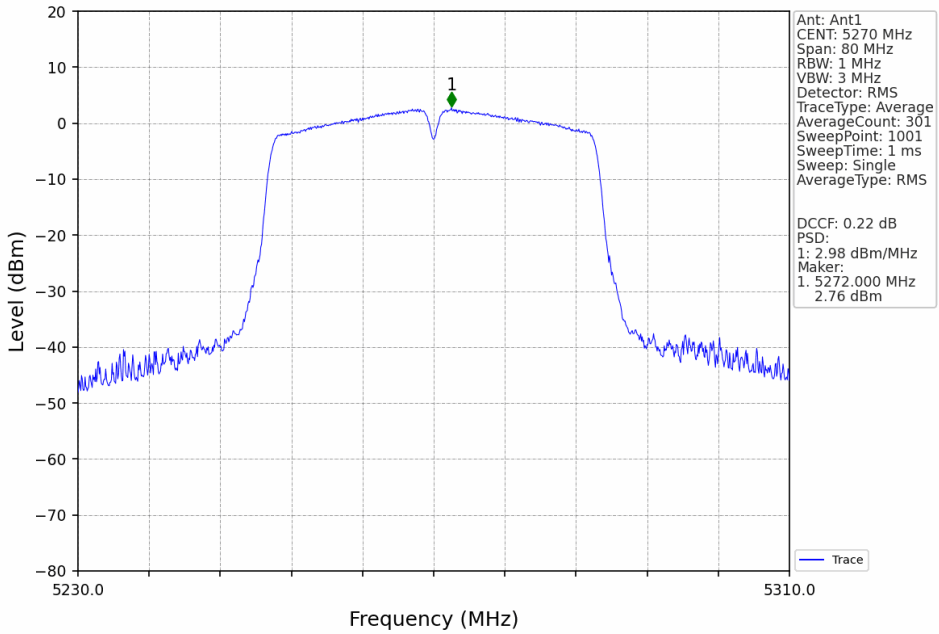
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



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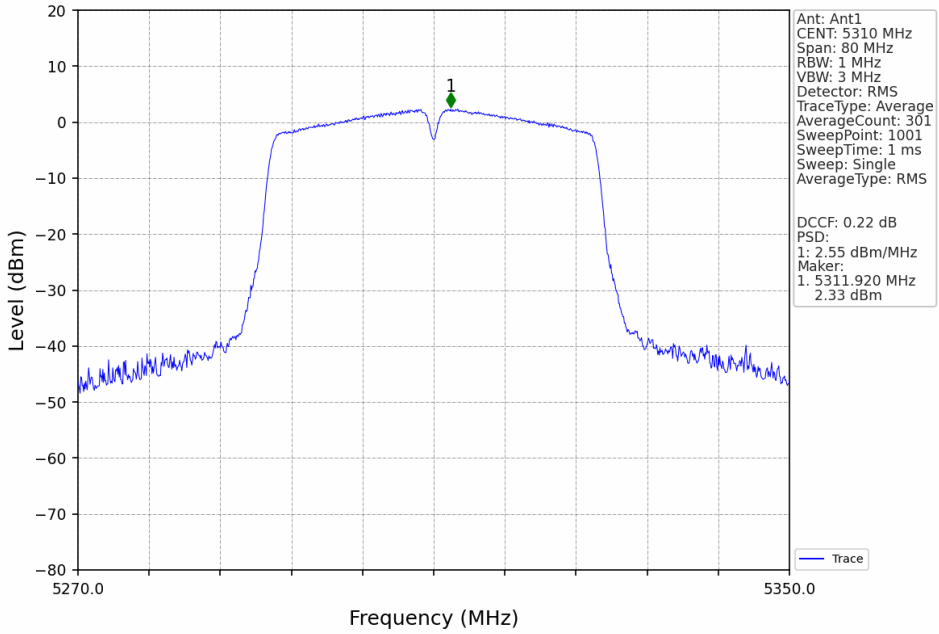

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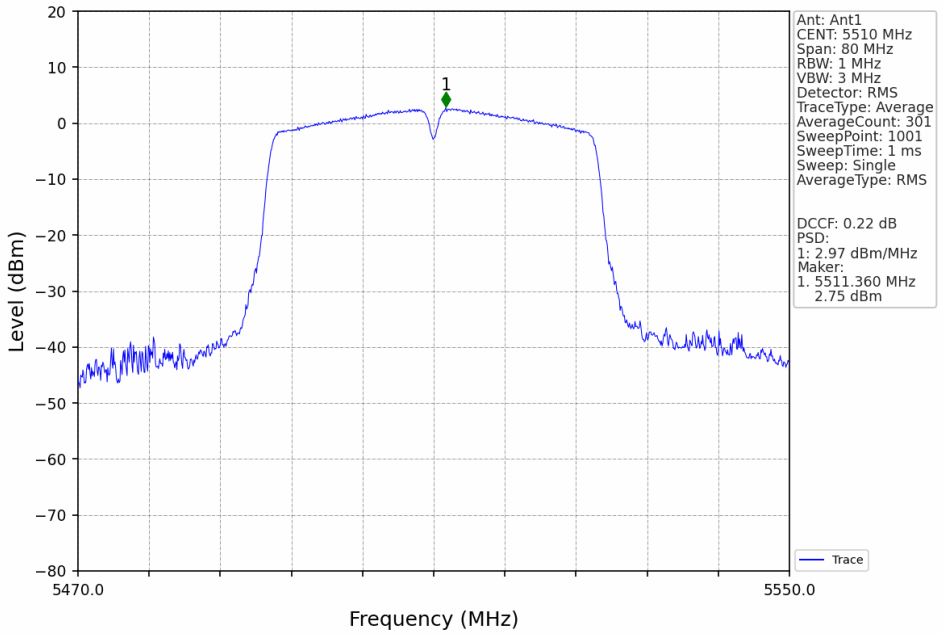
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



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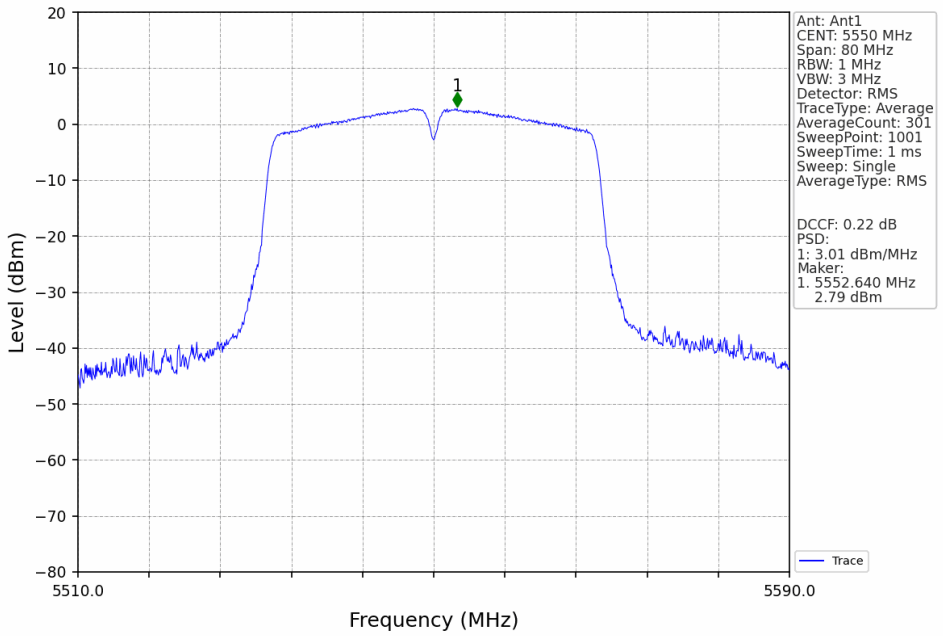

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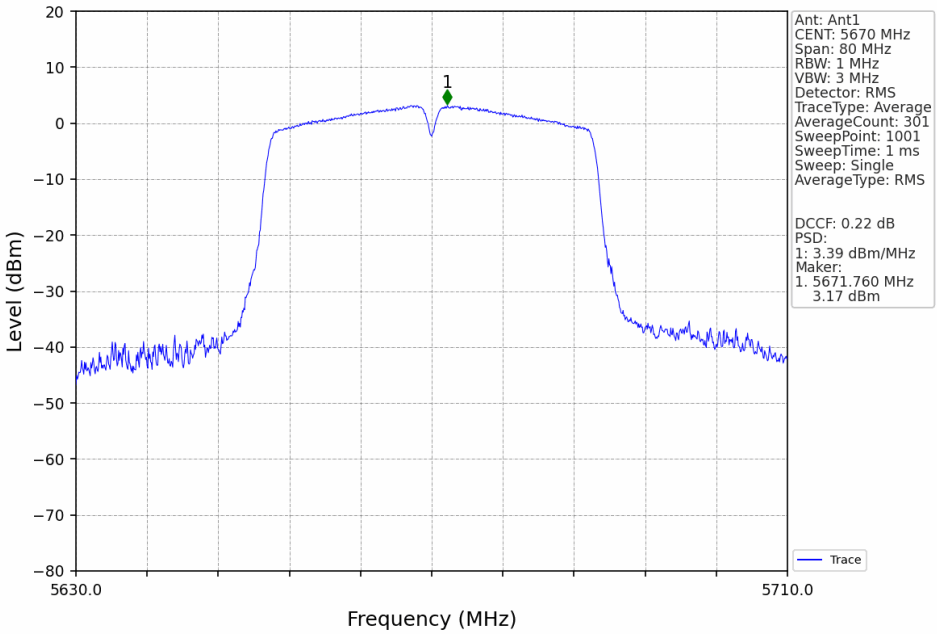
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



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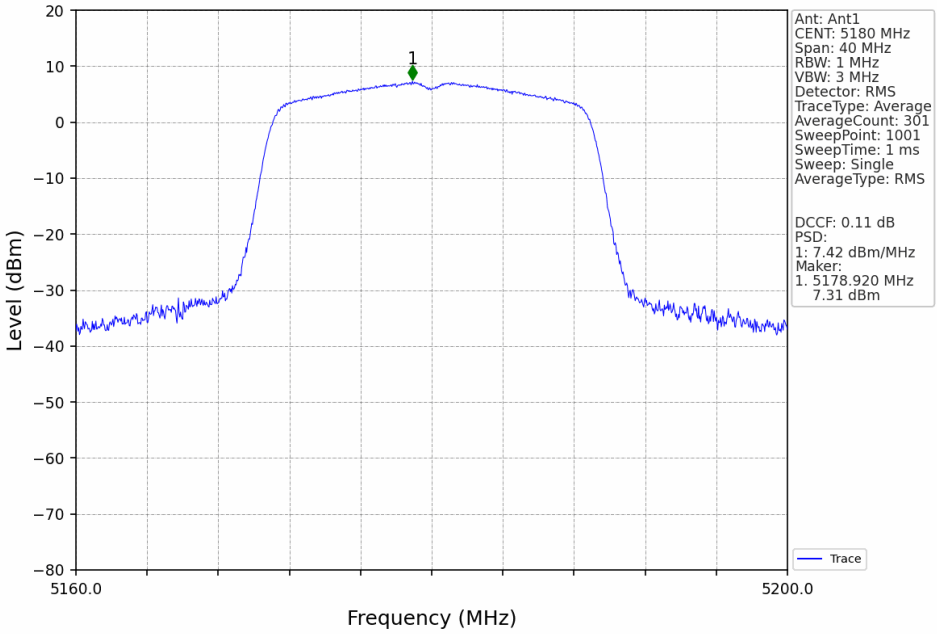

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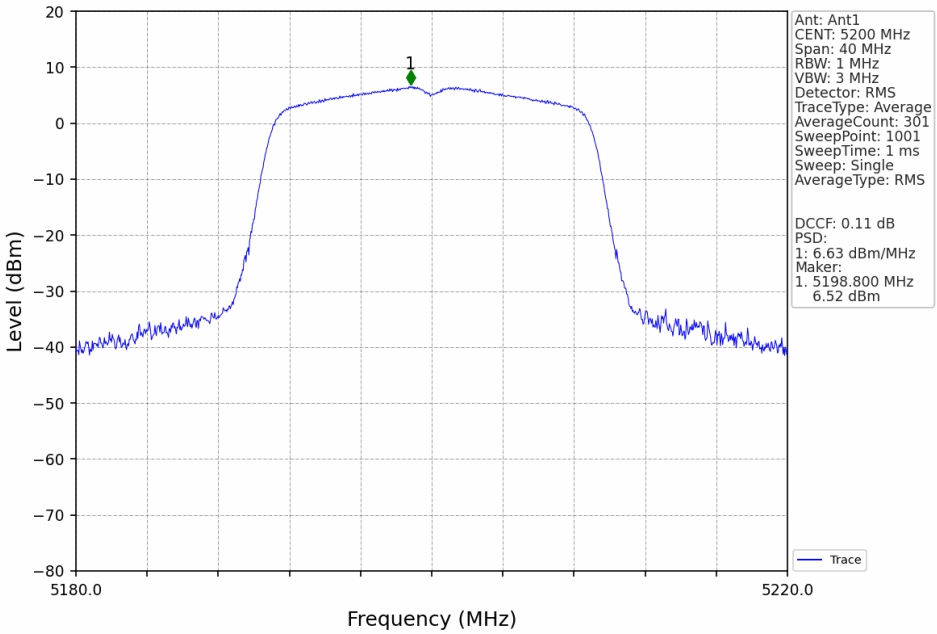
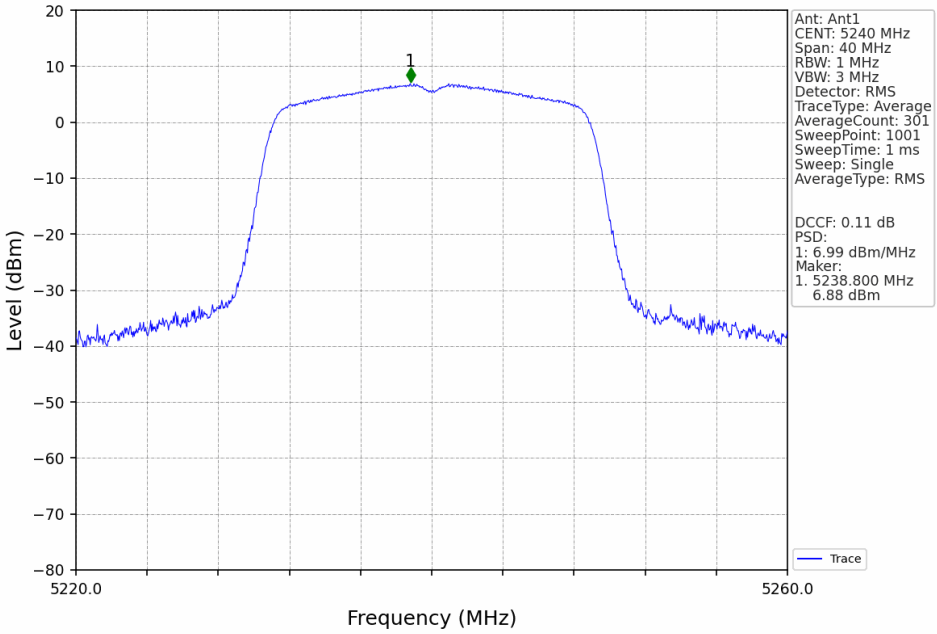
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



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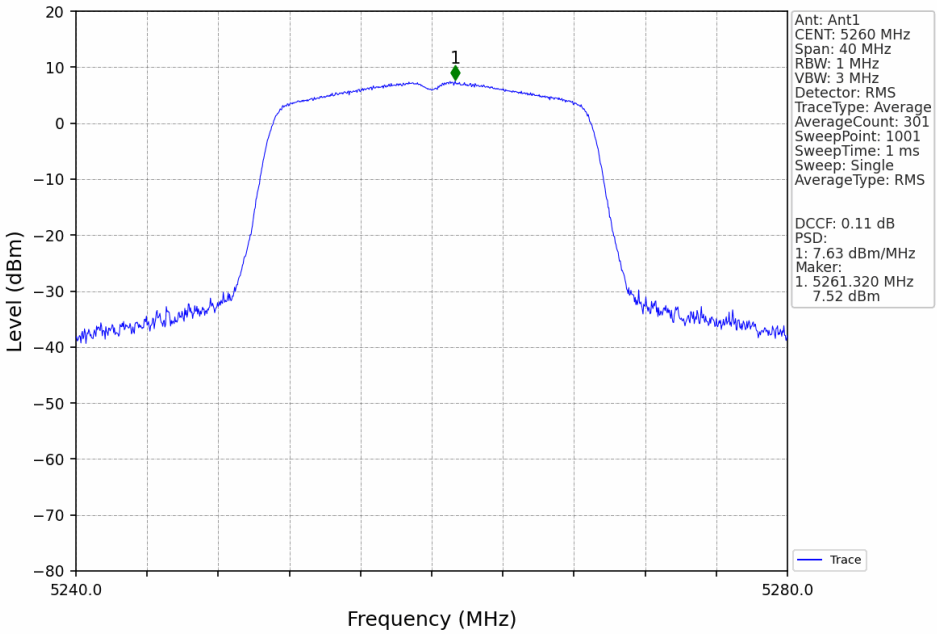
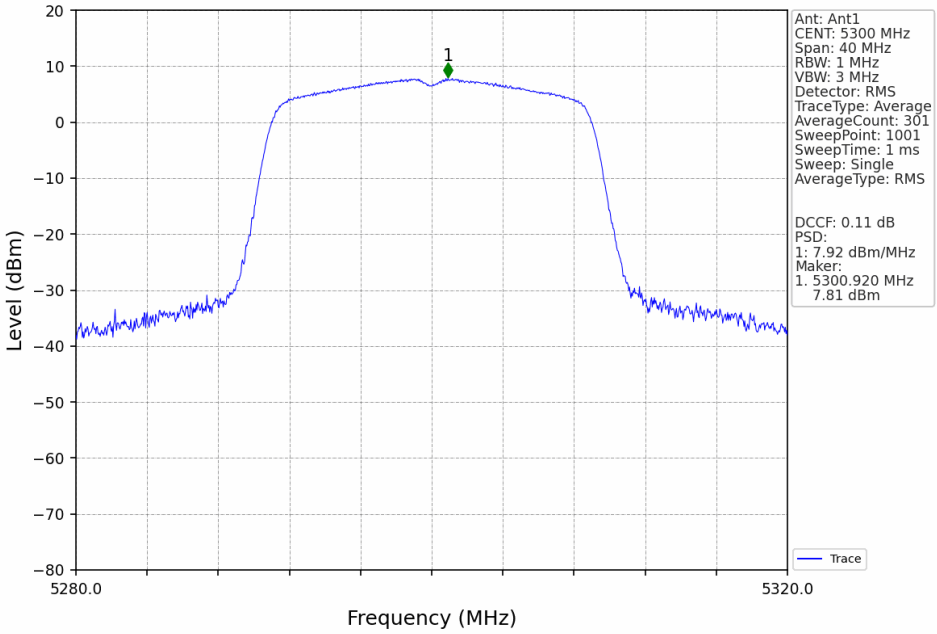
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



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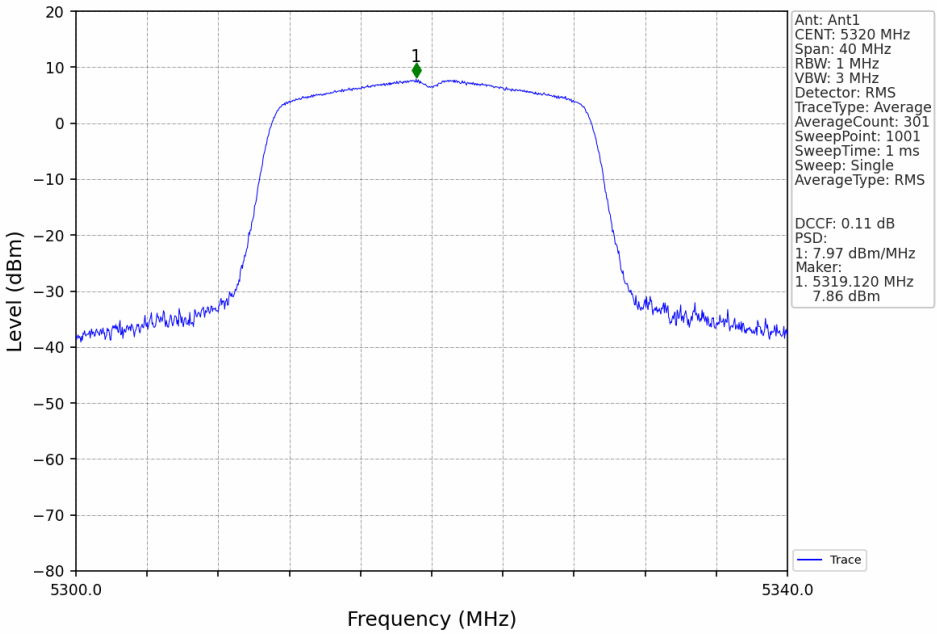
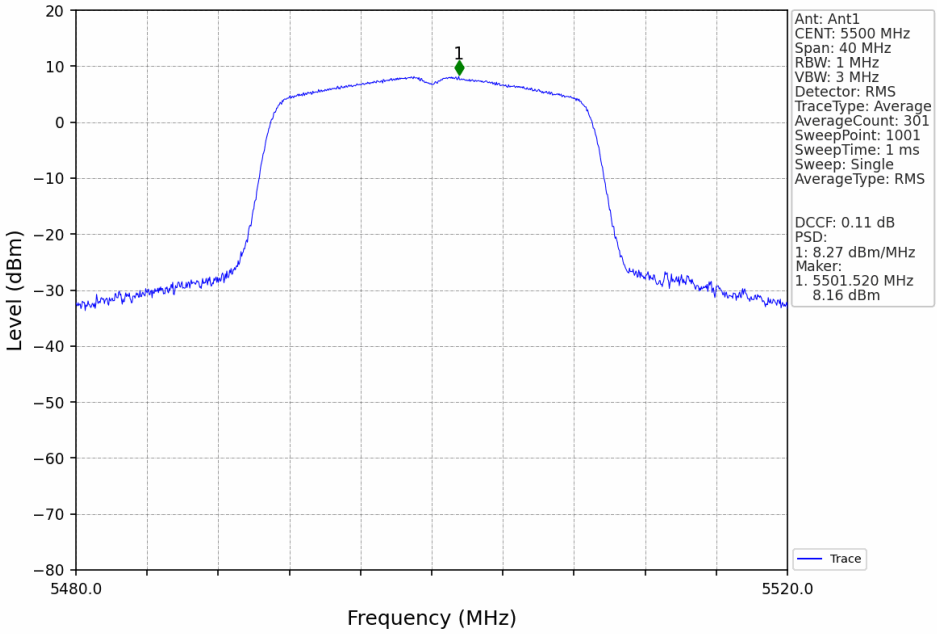
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



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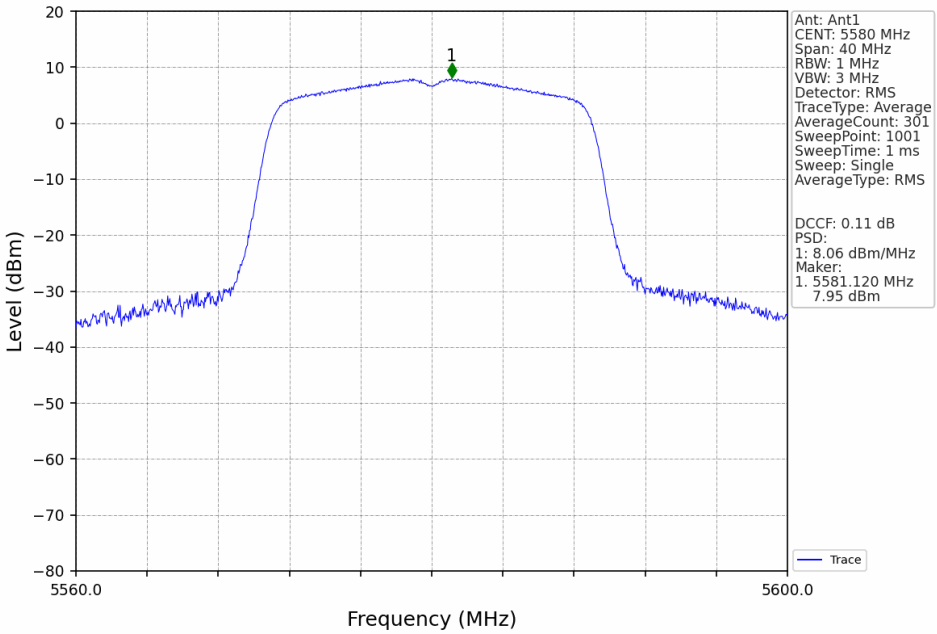
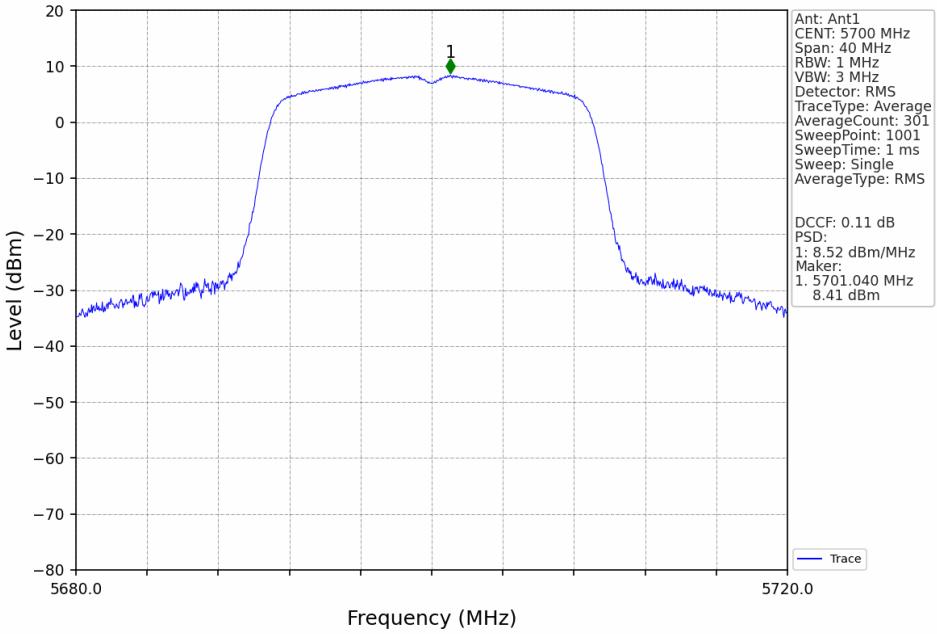
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



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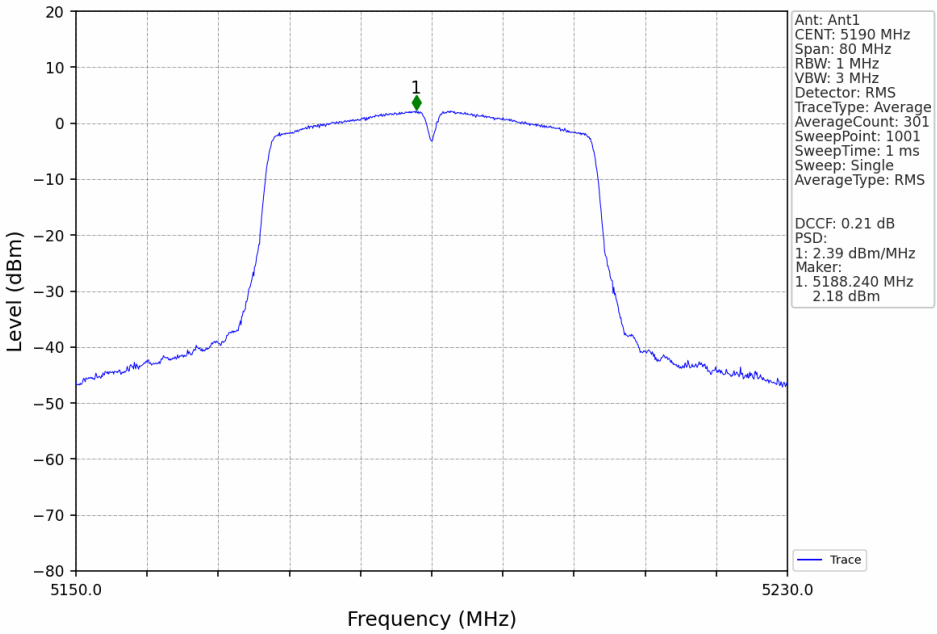
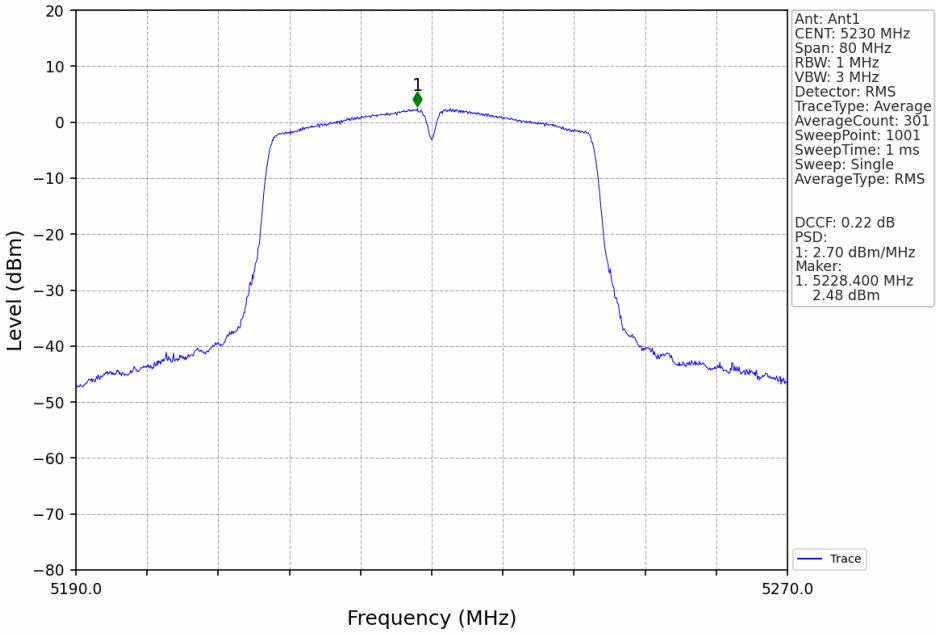
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



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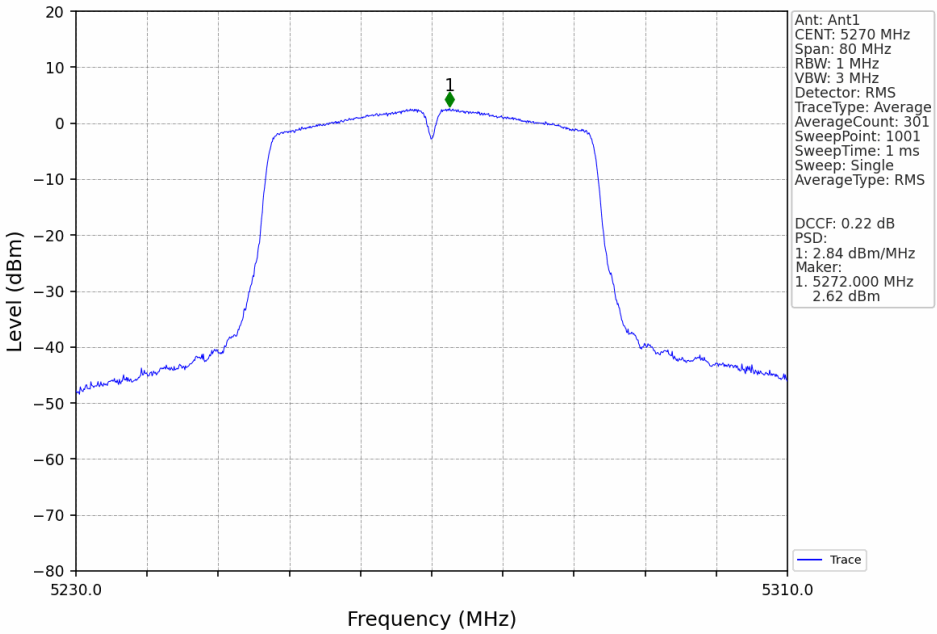
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



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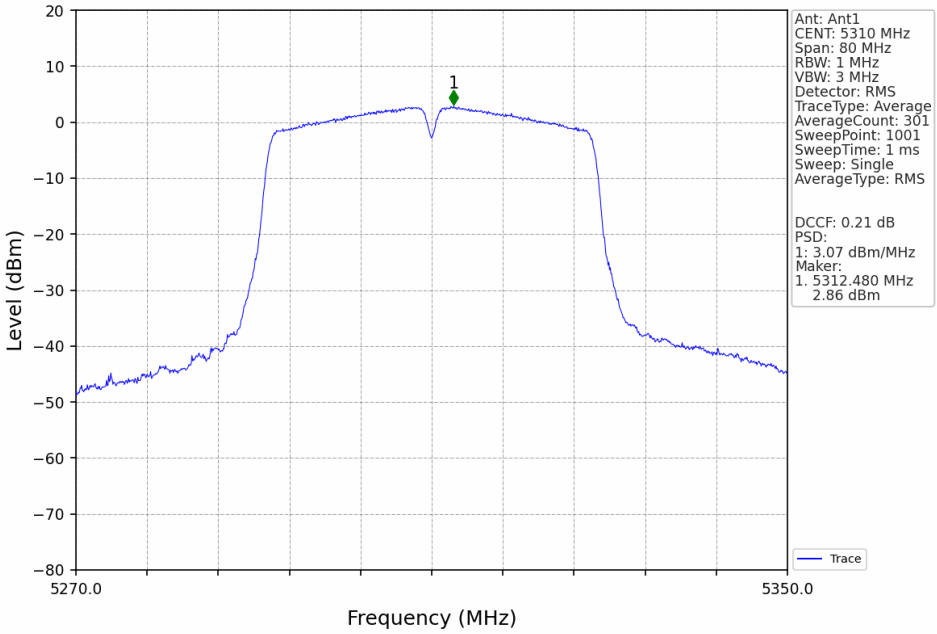

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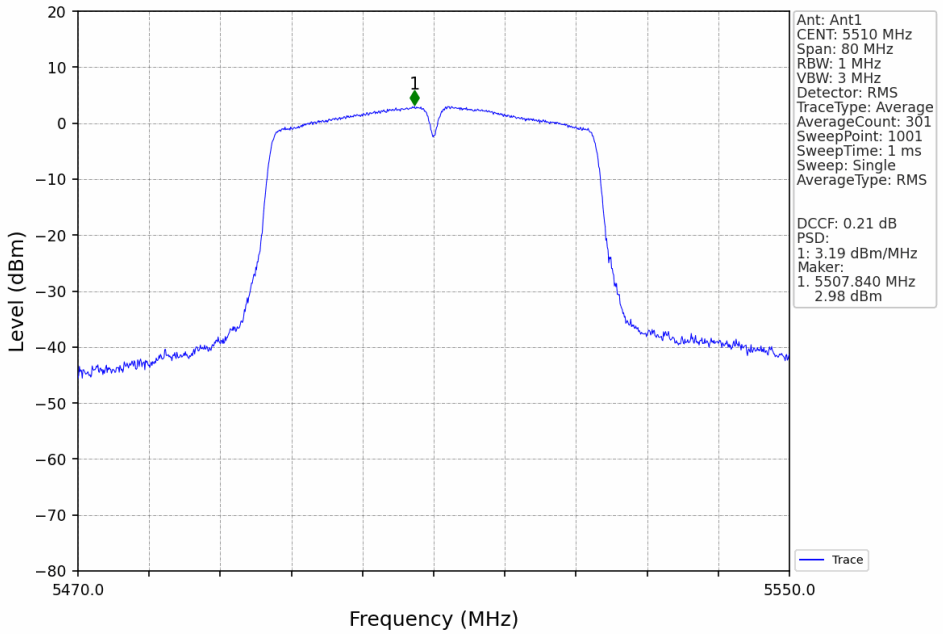
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



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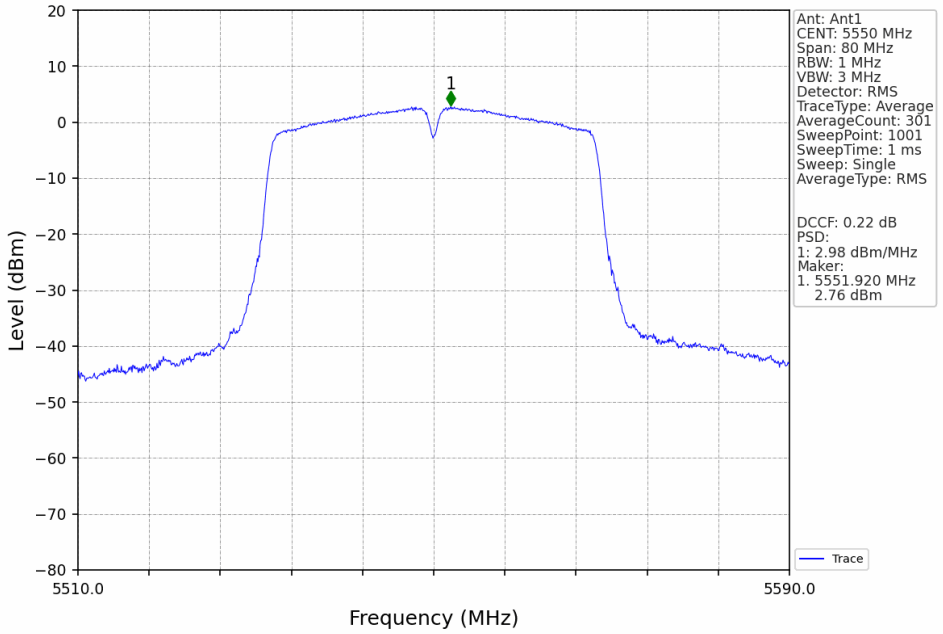

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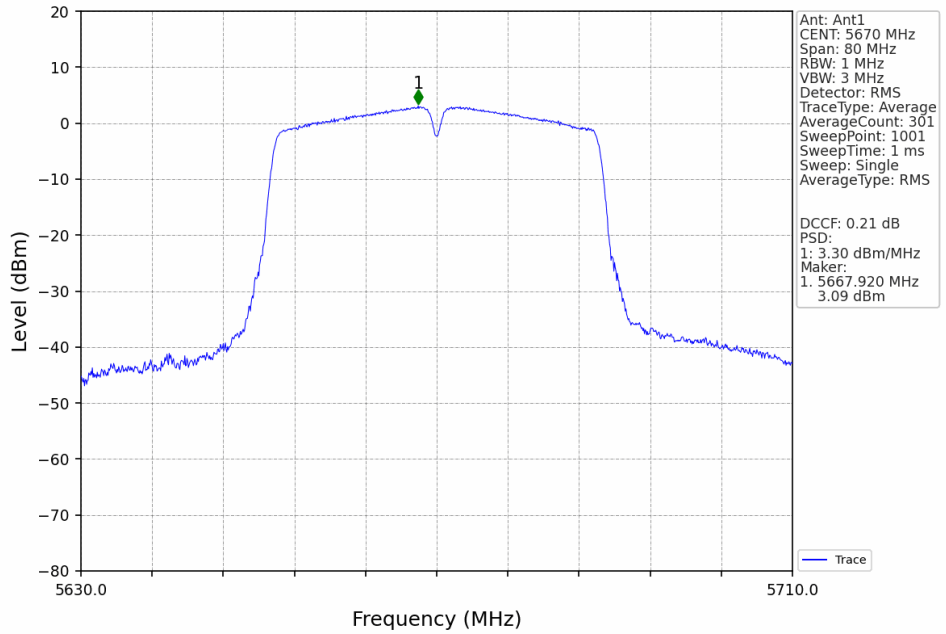
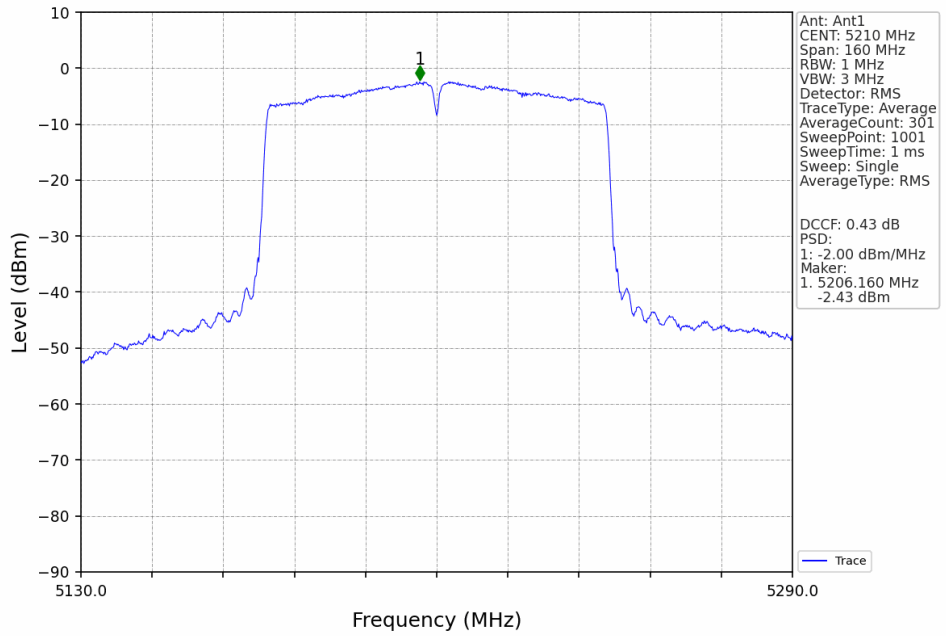
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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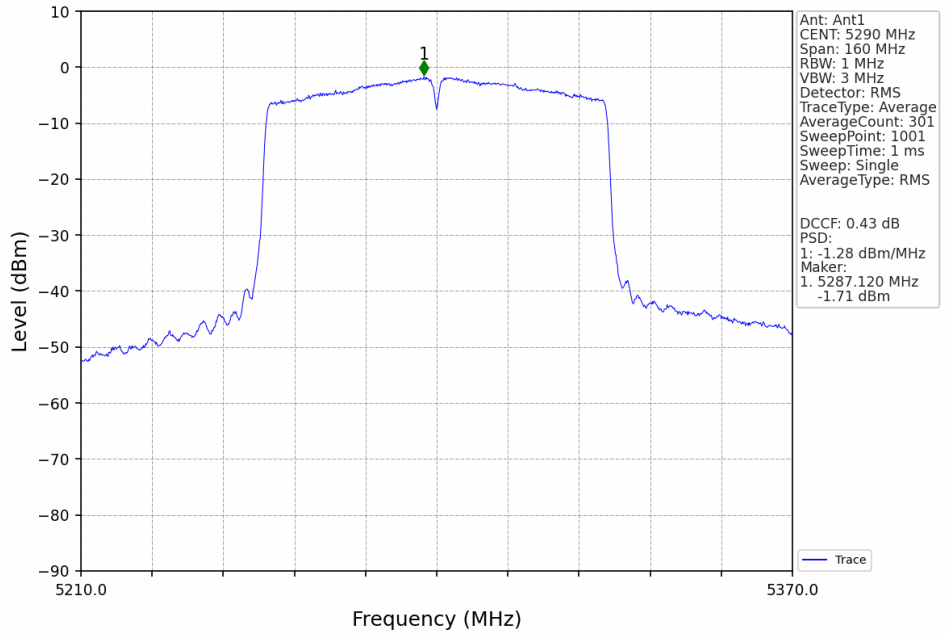
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



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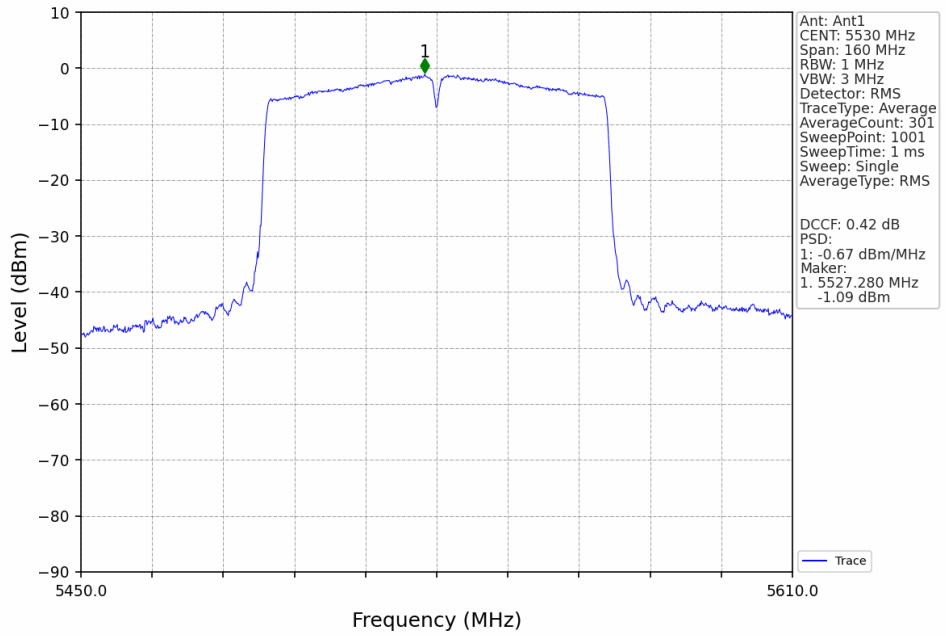

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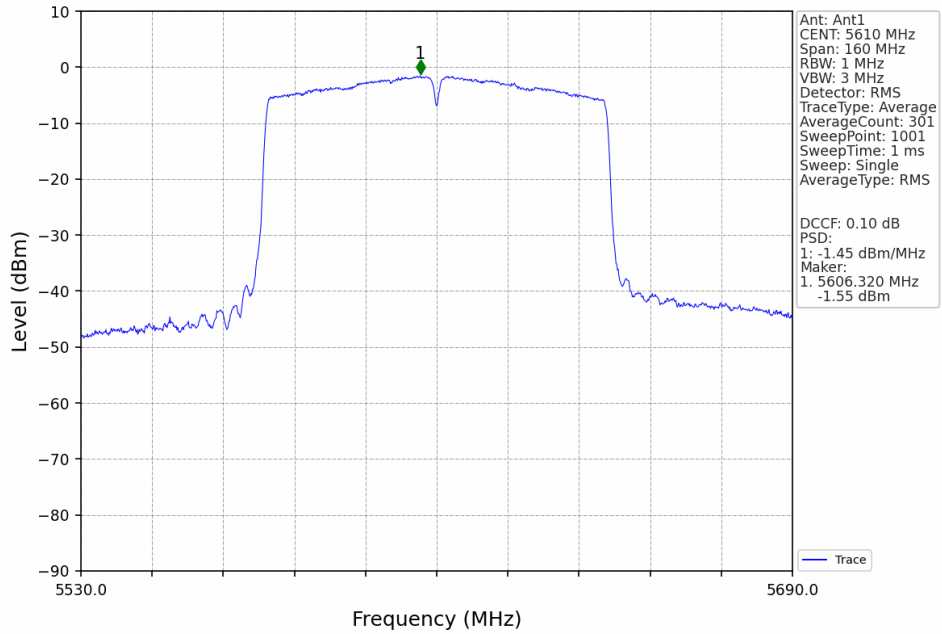
802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



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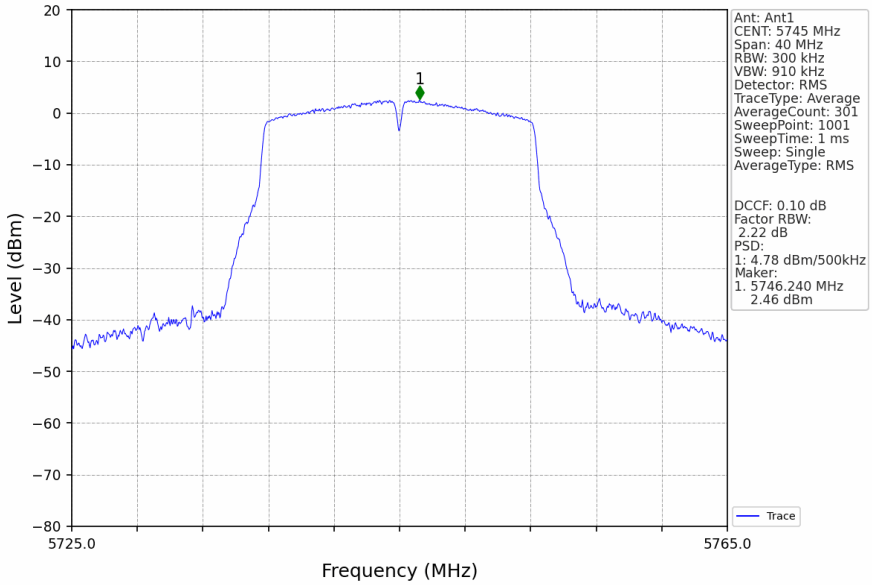
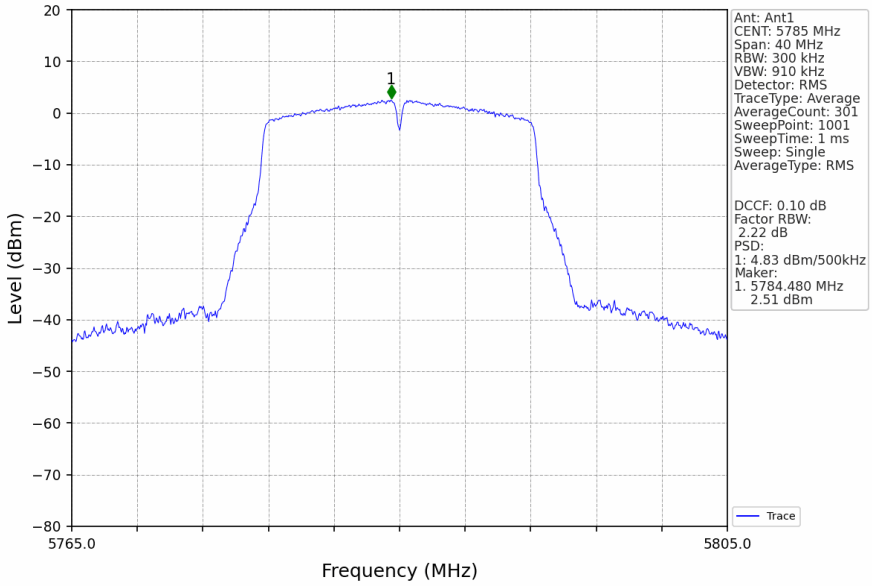
4.2.2 PSD-Band3

802.11a_LCH_5745MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant1_NTNV



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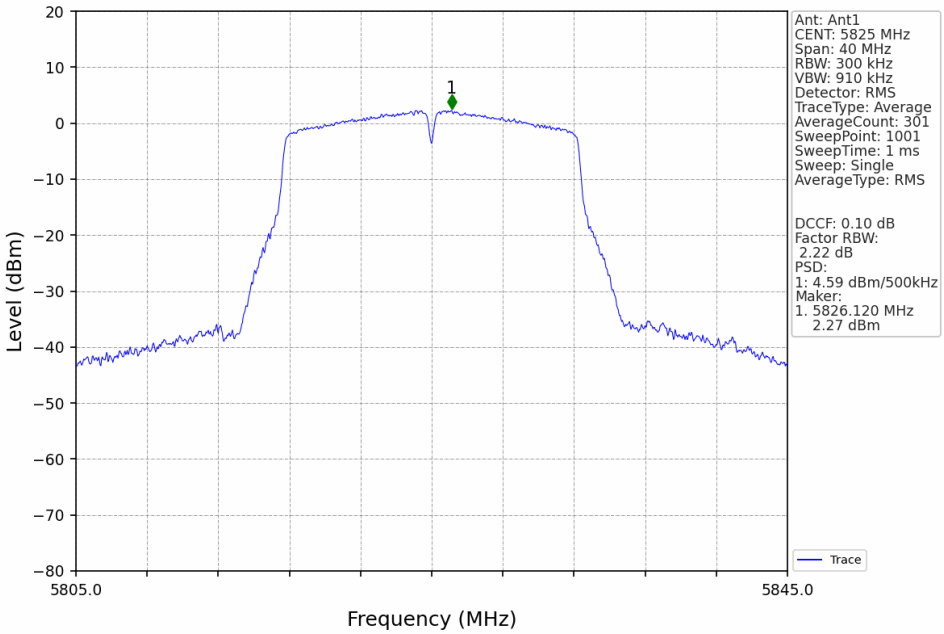
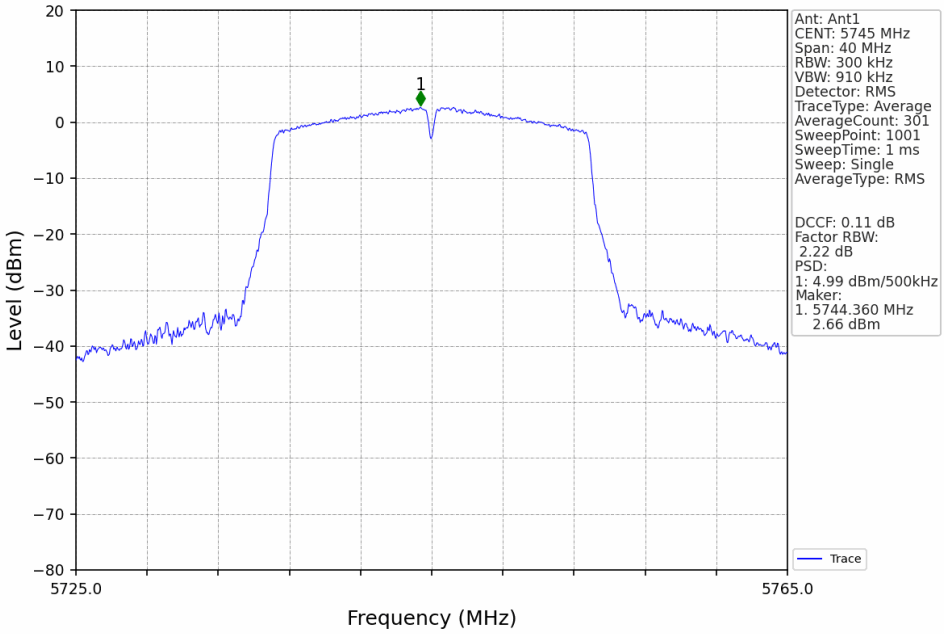
802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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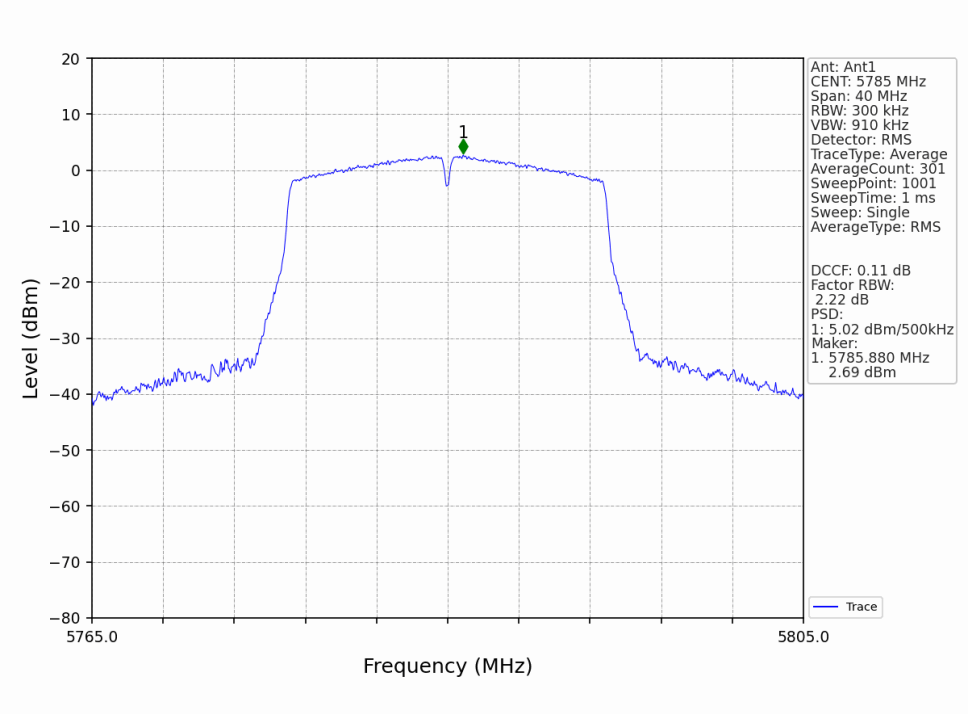
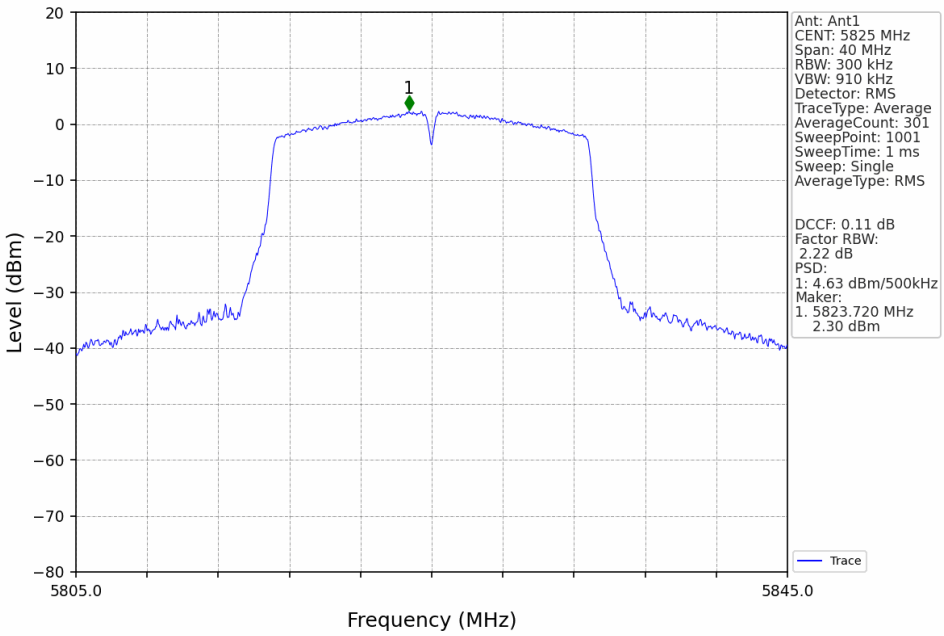
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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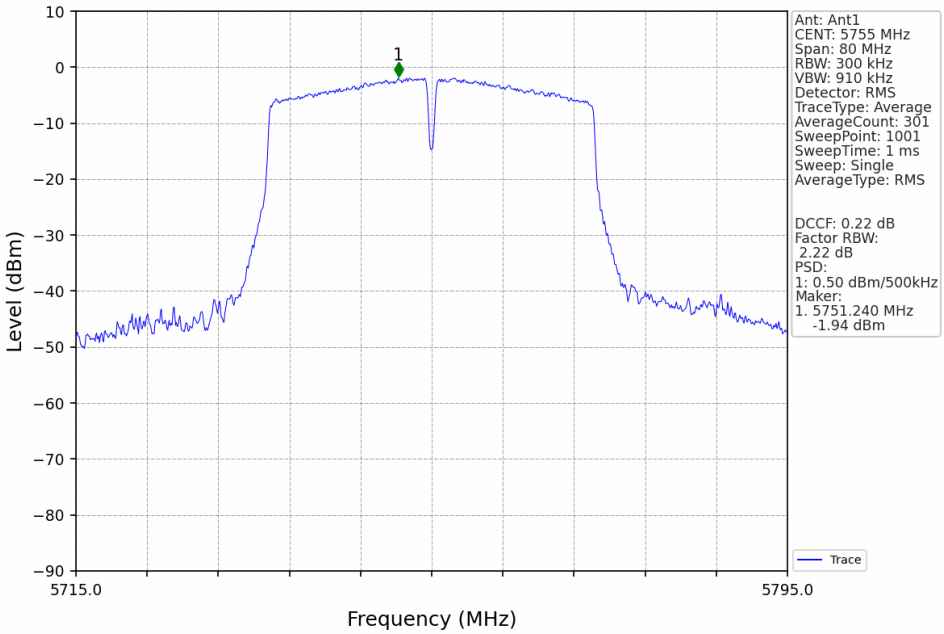
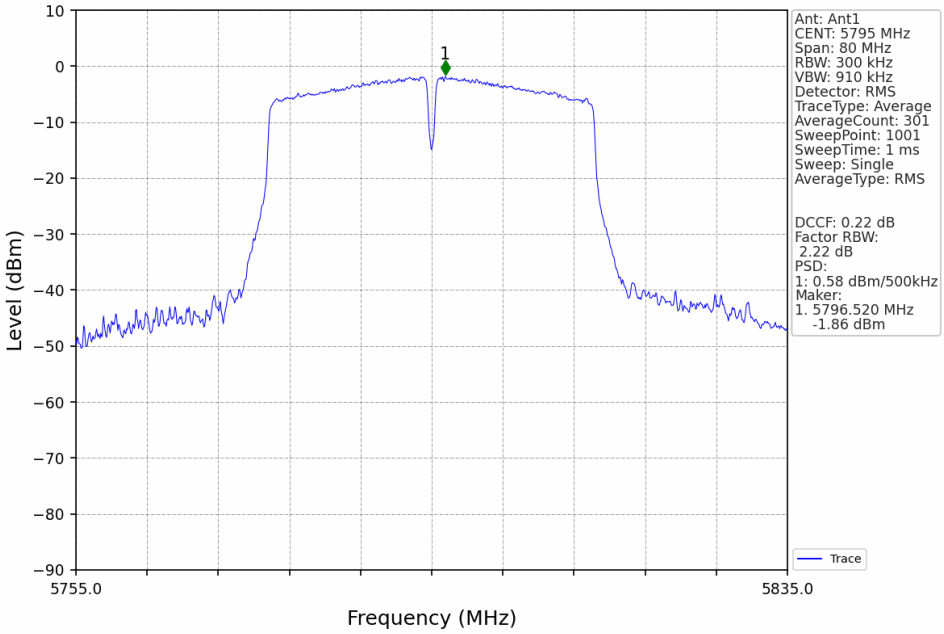
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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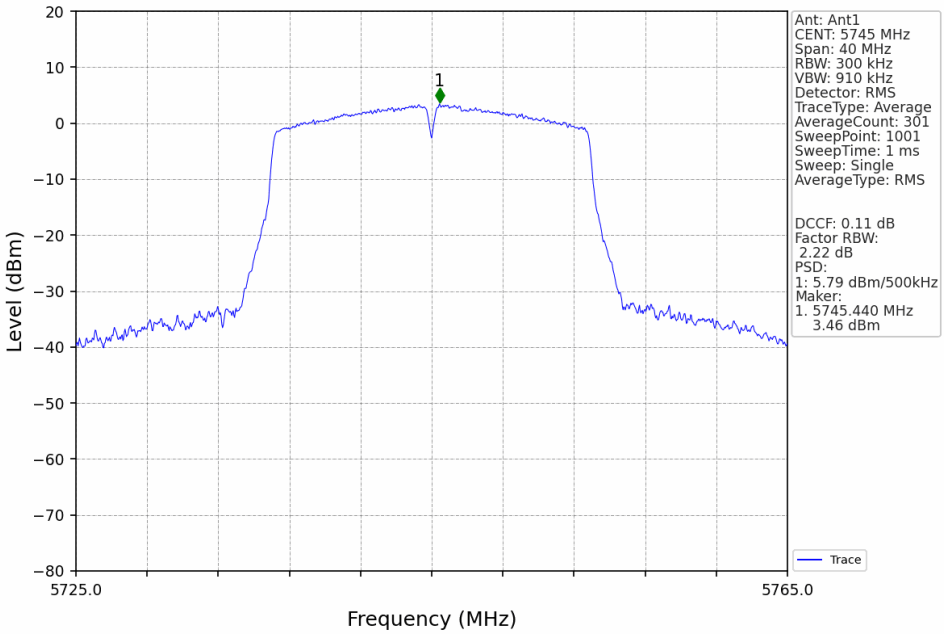
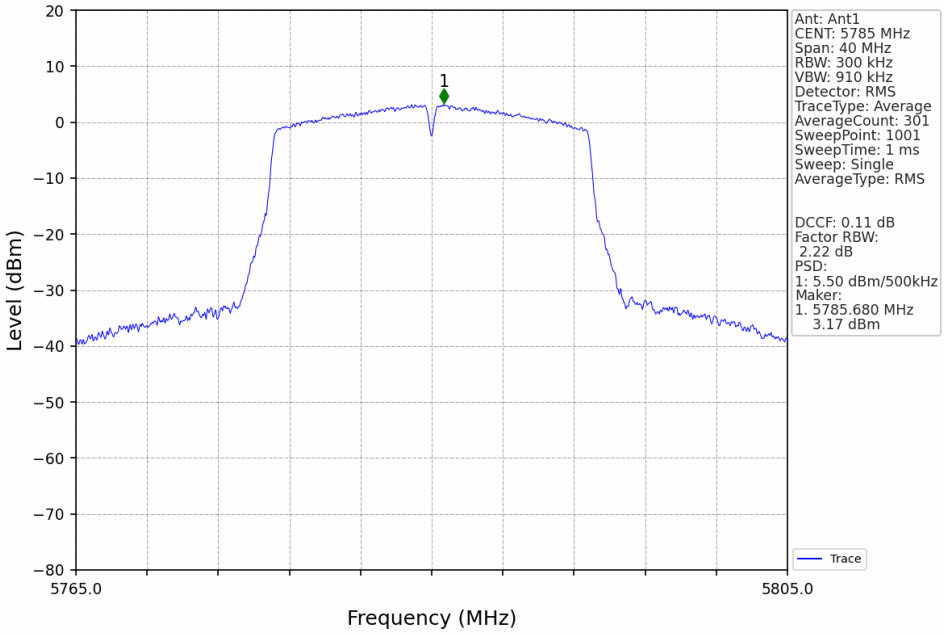
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



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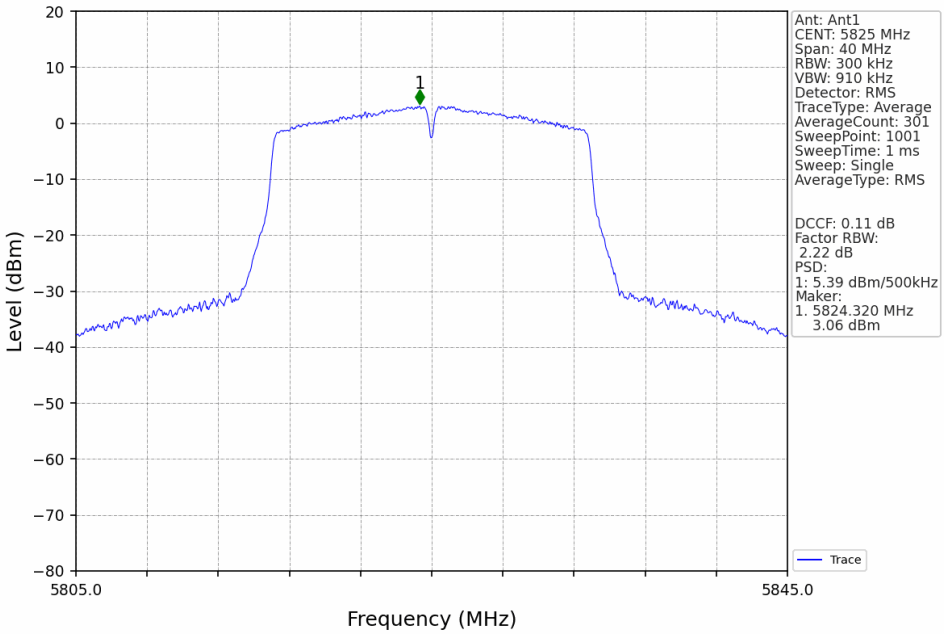
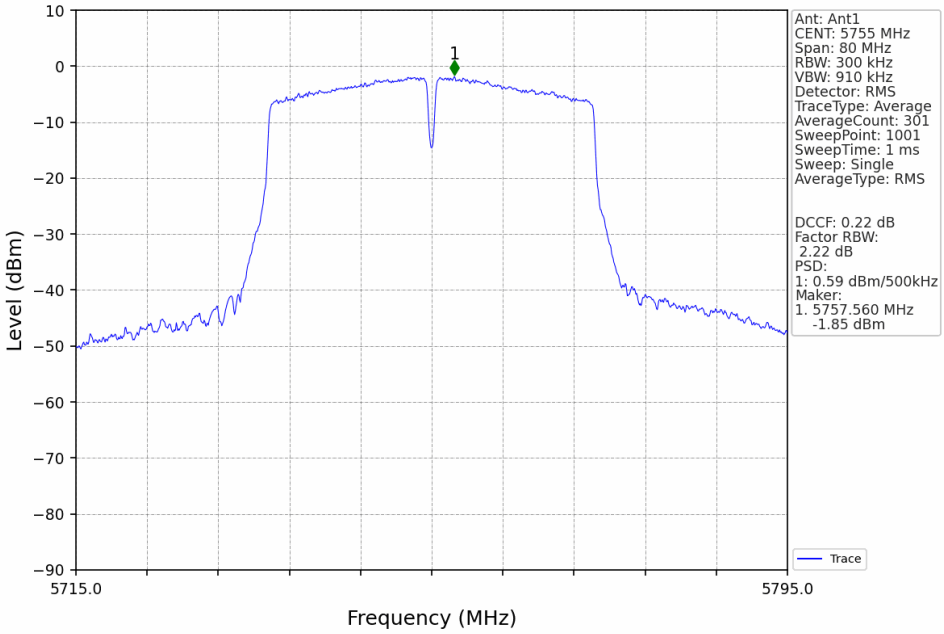
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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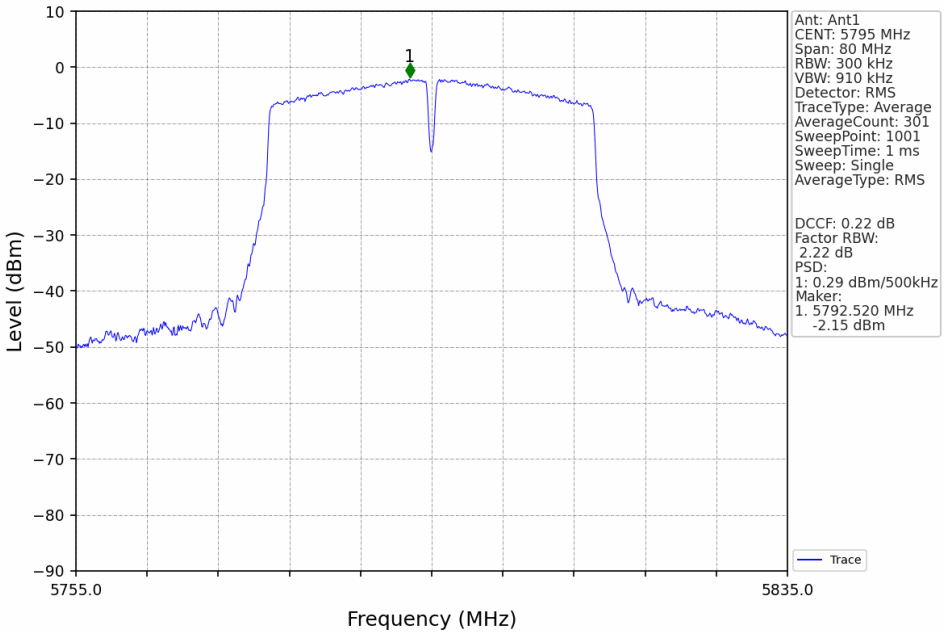
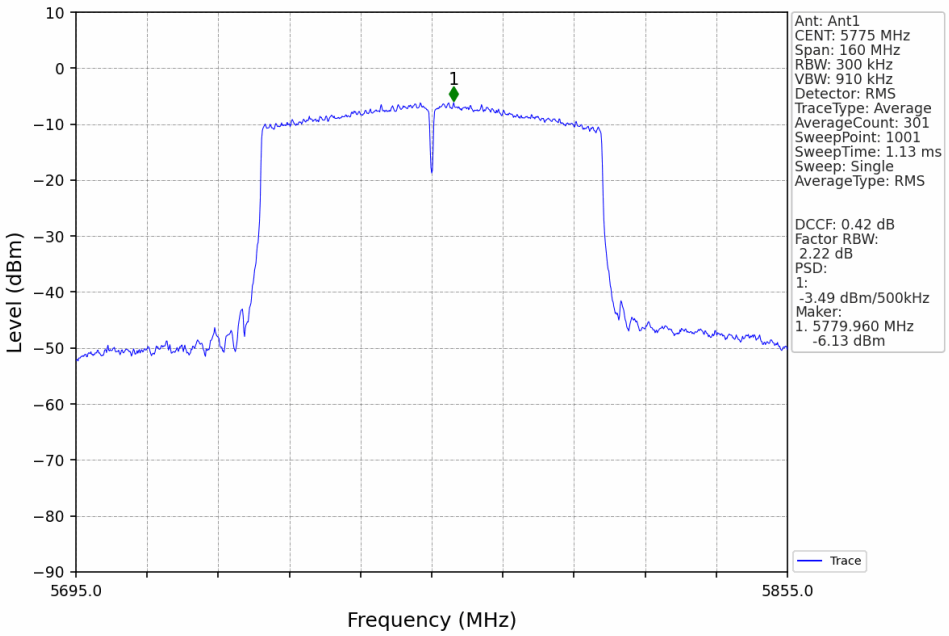
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (Vdc)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	3.60	5179.940	5150 to 5250	Pass
				3.91	5179.960	5150 to 5250	Pass
				4.50	5180.000	5150 to 5250	Pass
			-30	3.91	5179.900	5150 to 5250	Pass
			-20	3.91	5179.940	5150 to 5250	Pass
			-10	3.91	5179.960	5150 to 5250	Pass
			0	3.91	5179.980	5150 to 5250	Pass
			10	3.91	5179.900	5150 to 5250	Pass
			30	3.91	5180.000	5150 to 5250	Pass
			40	3.91	5179.960	5150 to 5250	Pass
			50	3.91	5179.880	5150 to 5250	Pass
		5200	20	3.60	5199.920	5150 to 5250	Pass
				3.91	5200.040	5150 to 5250	Pass
				4.50	5200.000	5150 to 5250	Pass
			-30	3.91	5199.980	5150 to 5250	Pass
			-20	3.91	5200.000	5150 to 5250	Pass
			-10	3.91	5199.960	5150 to 5250	Pass
			0	3.91	5200.020	5150 to 5250	Pass
			10	3.91	5199.980	5150 to 5250	Pass
			30	3.91	5199.960	5150 to 5250	Pass
			40	3.91	5199.920	5150 to 5250	Pass
			50	3.91	5199.980	5150 to 5250	Pass
		5240	20	3.60	5239.980	5150 to 5250	Pass
				3.91	5239.980	5150 to 5250	Pass
				4.50	5239.960	5150 to 5250	Pass
			-30	3.91	5239.900	5150 to 5250	Pass
			-20	3.91	5239.980	5150 to 5250	Pass
			-10	3.91	5239.920	5150 to 5250	Pass
			0	3.91	5240.000	5150 to 5250	Pass
			10	3.91	5239.940	5150 to 5250	Pass

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			30	3.91	5239.920	5150 to 5250	Pass
			40	3.91	5239.940	5150 to 5250	Pass
			50	3.91	5239.940	5150 to 5250	Pass
		5260	20	3.60	5259.980	5250 to 5350	Pass
				3.91	5259.980	5250 to 5350	Pass
				4.50	5259.980	5250 to 5350	Pass
			-30	3.91	5259.980	5250 to 5350	Pass
			-20	3.91	5259.980	5250 to 5350	Pass
			-10	3.91	5260.000	5250 to 5350	Pass
			0	3.91	5259.940	5250 to 5350	Pass
			10	3.91	5260.000	5250 to 5350	Pass
			30	3.91	5260.020	5250 to 5350	Pass
			40	3.91	5260.000	5250 to 5350	Pass
			50	3.91	5259.960	5250 to 5350	Pass
		5300	20	3.60	5299.960	5250 to 5350	Pass
				3.91	5300.000	5250 to 5350	Pass
				4.50	5300.060	5250 to 5350	Pass
			-30	3.91	5299.960	5250 to 5350	Pass
			-20	3.91	5300.040	5250 to 5350	Pass
			-10	3.91	5300.080	5250 to 5350	Pass
			0	3.91	5299.920	5250 to 5350	Pass
			10	3.91	5300.040	5250 to 5350	Pass
			30	3.91	5300.000	5250 to 5350	Pass
			40	3.91	5299.920	5250 to 5350	Pass
			50	3.91	5300.000	5250 to 5350	Pass
		5320	20	3.60	5319.980	5250 to 5350	Pass
				3.91	5319.940	5250 to 5350	Pass
				4.50	5320.000	5250 to 5350	Pass
			-30	3.91	5320.000	5250 to 5350	Pass
			-20	3.91	5319.980	5250 to 5350	Pass
			-10	3.91	5319.960	5250 to 5350	Pass
			0	3.91	5319.960	5250 to 5350	Pass
			10	3.91	5319.940	5250 to 5350	Pass
			30	3.91	5319.920	5250 to 5350	Pass
			40	3.91	5320.020	5250 to 5350	Pass
			50	3.91	5319.980	5250 to 5350	Pass
		5500	20	3.60	5500.020	5470 to 5725	Pass
				3.91	5500.000	5470 to 5725	Pass
				4.50	5499.940	5470 to 5725	Pass
			-30	3.91	5499.980	5470 to 5725	Pass

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			-20	3.91	5500.000	5470 to 5725	Pass
			-10	3.91	5499.880	5470 to 5725	Pass
			0	3.91	5499.980	5470 to 5725	Pass
			10	3.91	5499.960	5470 to 5725	Pass
			30	3.91	5499.920	5470 to 5725	Pass
			40	3.91	5499.920	5470 to 5725	Pass
			50	3.91	5499.980	5470 to 5725	Pass
		5580	20	3.60	5579.960	5470 to 5725	Pass
				3.91	5579.980	5470 to 5725	Pass
				4.50	5579.960	5470 to 5725	Pass
			-30	3.91	5579.980	5470 to 5725	Pass
			-20	3.91	5580.000	5470 to 5725	Pass
			-10	3.91	5580.000	5470 to 5725	Pass
			0	3.91	5579.960	5470 to 5725	Pass
			10	3.91	5579.980	5470 to 5725	Pass
			30	3.91	5580.020	5470 to 5725	Pass
			40	3.91	5579.960	5470 to 5725	Pass
			50	3.91	5580.040	5470 to 5725	Pass
		5700	20	3.60	5700.060	5470 to 5725	Pass
				3.91	5699.980	5470 to 5725	Pass
				4.50	5700.020	5470 to 5725	Pass
			-30	3.91	5700.000	5470 to 5725	Pass
			-20	3.91	5699.960	5470 to 5725	Pass
			-10	3.91	5699.960	5470 to 5725	Pass
			0	3.91	5699.980	5470 to 5725	Pass
			10	3.91	5699.940	5470 to 5725	Pass
			30	3.91	5700.040	5470 to 5725	Pass
			40	3.91	5700.000	5470 to 5725	Pass
			50	3.91	5699.980	5470 to 5725	Pass
		5745	20	3.60	5744.940	5725 to 5850	Pass
				3.91	5744.940	5725 to 5850	Pass
				4.50	5744.940	5725 to 5850	Pass
			-30	3.91	5744.920	5725 to 5850	Pass
			-20	3.91	5744.980	5725 to 5850	Pass
			-10	3.91	5744.940	5725 to 5850	Pass
			0	3.91	5744.980	5725 to 5850	Pass
			10	3.91	5744.940	5725 to 5850	Pass
			30	3.91	5744.980	5725 to 5850	Pass
			40	3.91	5744.960	5725 to 5850	Pass
			50	3.91	5744.980	5725 to 5850	Pass

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		5785	20	3.60	5784.960	5725 to 5850	Pass
				3.91	5785.000	5725 to 5850	Pass
				4.50	5785.000	5725 to 5850	Pass
			-30	3.91	5784.980	5725 to 5850	Pass
			-20	3.91	5785.040	5725 to 5850	Pass
			-10	3.91	5784.940	5725 to 5850	Pass
			0	3.91	5784.940	5725 to 5850	Pass
			10	3.91	5784.960	5725 to 5850	Pass
			30	3.91	5784.880	5725 to 5850	Pass
			40	3.91	5785.040	5725 to 5850	Pass
			50	3.91	5784.940	5725 to 5850	Pass
		5825	20	3.60	5824.940	5725 to 5850	Pass
				3.91	5824.960	5725 to 5850	Pass
				4.50	5824.960	5725 to 5850	Pass
			-30	3.91	5825.040	5725 to 5850	Pass
			-20	3.91	5825.060	5725 to 5850	Pass
			-10	3.91	5824.900	5725 to 5850	Pass
			0	3.91	5824.920	5725 to 5850	Pass
			10	3.91	5825.000	5725 to 5850	Pass
			30	3.91	5824.920	5725 to 5850	Pass
			40	3.91	5824.980	5725 to 5850	Pass
			50	3.91	5825.060	5725 to 5850	Pass
802.11n (HT20)	SISO	5180	20	3.60	5179.980	5150 to 5250	Pass
				3.91	5179.960	5150 to 5250	Pass
				4.50	5179.980	5150 to 5250	Pass
			-30	3.91	5180.000	5150 to 5250	Pass
			-20	3.91	5179.920	5150 to 5250	Pass
			-10	3.91	5180.000	5150 to 5250	Pass
			0	3.91	5179.960	5150 to 5250	Pass
			10	3.91	5179.900	5150 to 5250	Pass
			30	3.91	5179.980	5150 to 5250	Pass
			40	3.91	5180.000	5150 to 5250	Pass
			50	3.91	5179.960	5150 to 5250	Pass
		5200	20	3.60	5199.960	5150 to 5250	Pass
				3.91	5200.080	5150 to 5250	Pass
				4.50	5199.960	5150 to 5250	Pass
			-30	3.91	5200.020	5150 to 5250	Pass
			-20	3.91	5200.000	5150 to 5250	Pass
			-10	3.91	5199.920	5150 to 5250	Pass
			0	3.91	5199.980	5150 to 5250	Pass

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			10	3.91	5200.040	5150 to 5250	Pass
			30	3.91	5199.920	5150 to 5250	Pass
			40	3.91	5199.980	5150 to 5250	Pass
			50	3.91	5199.960	5150 to 5250	Pass
		5240	20	3.60	5239.960	5150 to 5250	Pass
				3.91	5239.980	5150 to 5250	Pass
				4.50	5240.060	5150 to 5250	Pass
			-30	3.91	5240.000	5150 to 5250	Pass
			-20	3.91	5239.960	5150 to 5250	Pass
			-10	3.91	5239.940	5150 to 5250	Pass
			0	3.91	5239.960	5150 to 5250	Pass
			10	3.91	5239.980	5150 to 5250	Pass
			30	3.91	5240.040	5150 to 5250	Pass
			40	3.91	5239.980	5150 to 5250	Pass
			50	3.91	5239.940	5150 to 5250	Pass
		5260	20	3.60	5260.040	5250 to 5350	Pass
				3.91	5260.000	5250 to 5350	Pass
				4.50	5260.060	5250 to 5350	Pass
			-30	3.91	5260.000	5250 to 5350	Pass
			-20	3.91	5260.040	5250 to 5350	Pass
			-10	3.91	5259.980	5250 to 5350	Pass
			0	3.91	5260.000	5250 to 5350	Pass
			10	3.91	5260.020	5250 to 5350	Pass
			30	3.91	5259.940	5250 to 5350	Pass
			40	3.91	5259.960	5250 to 5350	Pass
			50	3.91	5260.000	5250 to 5350	Pass
		5300	20	3.60	5300.000	5250 to 5350	Pass
				3.91	5300.040	5250 to 5350	Pass
				4.50	5300.000	5250 to 5350	Pass
			-30	3.91	5300.060	5250 to 5350	Pass
			-20	3.91	5299.960	5250 to 5350	Pass
			-10	3.91	5299.900	5250 to 5350	Pass
			0	3.91	5299.960	5250 to 5350	Pass
			10	3.91	5300.000	5250 to 5350	Pass
			30	3.91	5299.940	5250 to 5350	Pass
			40	3.91	5299.960	5250 to 5350	Pass
			50	3.91	5299.980	5250 to 5350	Pass
		5320	20	3.60	5320.000	5250 to 5350	Pass
				3.91	5319.920	5250 to 5350	Pass
				4.50	5320.000	5250 to 5350	Pass

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			-30	3.91	5319.980	5250 to 5350	Pass
			-20	3.91	5319.960	5250 to 5350	Pass
			-10	3.91	5319.980	5250 to 5350	Pass
			0	3.91	5319.980	5250 to 5350	Pass
			10	3.91	5319.960	5250 to 5350	Pass
			30	3.91	5320.000	5250 to 5350	Pass
			40	3.91	5320.020	5250 to 5350	Pass
			50	3.91	5320.000	5250 to 5350	Pass
		5500	20	3.60	5500.040	5470 to 5725	Pass
				3.91	5499.960	5470 to 5725	Pass
				4.50	5500.060	5470 to 5725	Pass
			-30	3.91	5499.940	5470 to 5725	Pass
			-20	3.91	5499.940	5470 to 5725	Pass
			-10	3.91	5499.980	5470 to 5725	Pass
			0	3.91	5499.980	5470 to 5725	Pass
			10	3.91	5500.040	5470 to 5725	Pass
			30	3.91	5500.020	5470 to 5725	Pass
			40	3.91	5499.960	5470 to 5725	Pass
			50	3.91	5499.920	5470 to 5725	Pass
		5580	20	3.60	5580.020	5470 to 5725	Pass
				3.91	5579.940	5470 to 5725	Pass
				4.50	5580.000	5470 to 5725	Pass
			-30	3.91	5579.960	5470 to 5725	Pass
			-20	3.91	5579.940	5470 to 5725	Pass
			-10	3.91	5580.020	5470 to 5725	Pass
			0	3.91	5580.060	5470 to 5725	Pass
			10	3.91	5579.940	5470 to 5725	Pass
			30	3.91	5579.960	5470 to 5725	Pass
			40	3.91	5579.960	5470 to 5725	Pass
			50	3.91	5579.920	5470 to 5725	Pass
		5700	20	3.60	5700.040	5470 to 5725	Pass
				3.91	5699.980	5470 to 5725	Pass
				4.50	5700.020	5470 to 5725	Pass
			-30	3.91	5700.060	5470 to 5725	Pass
			-20	3.91	5700.000	5470 to 5725	Pass
			-10	3.91	5699.980	5470 to 5725	Pass
			0	3.91	5700.020	5470 to 5725	Pass
			10	3.91	5699.920	5470 to 5725	Pass
			30	3.91	5699.960	5470 to 5725	Pass
			40	3.91	5699.960	5470 to 5725	Pass

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