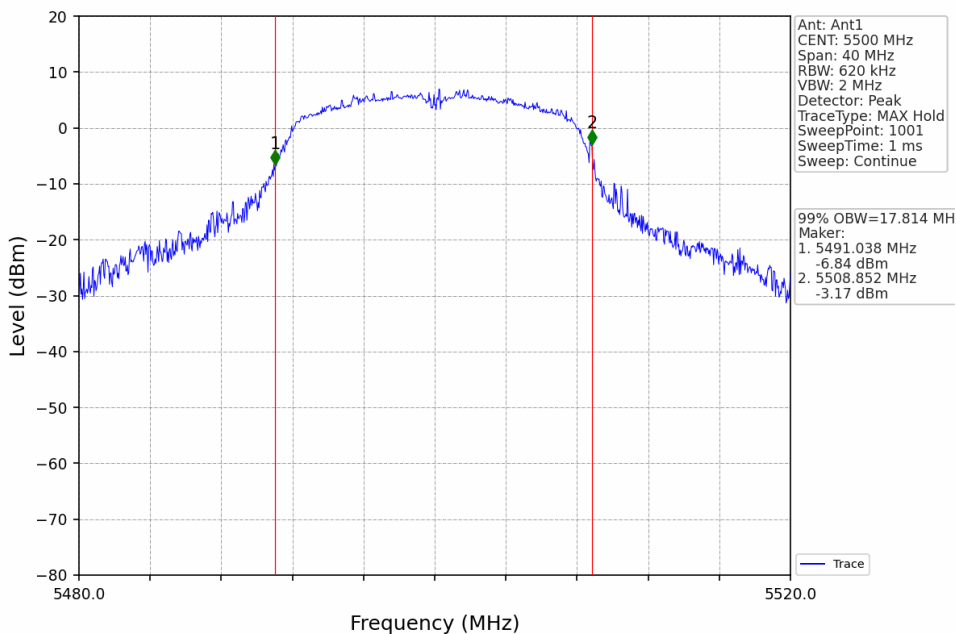
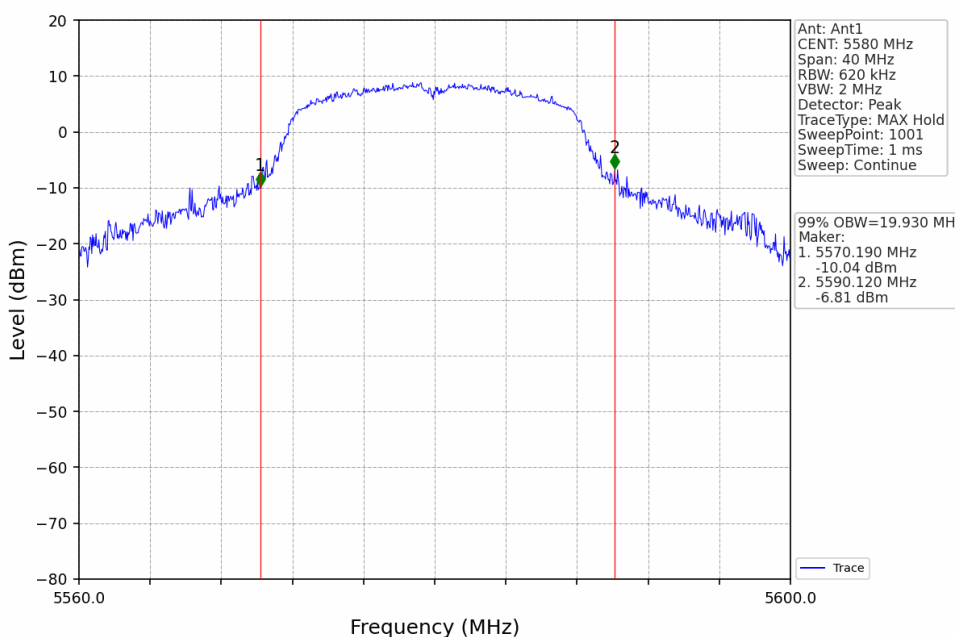


802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



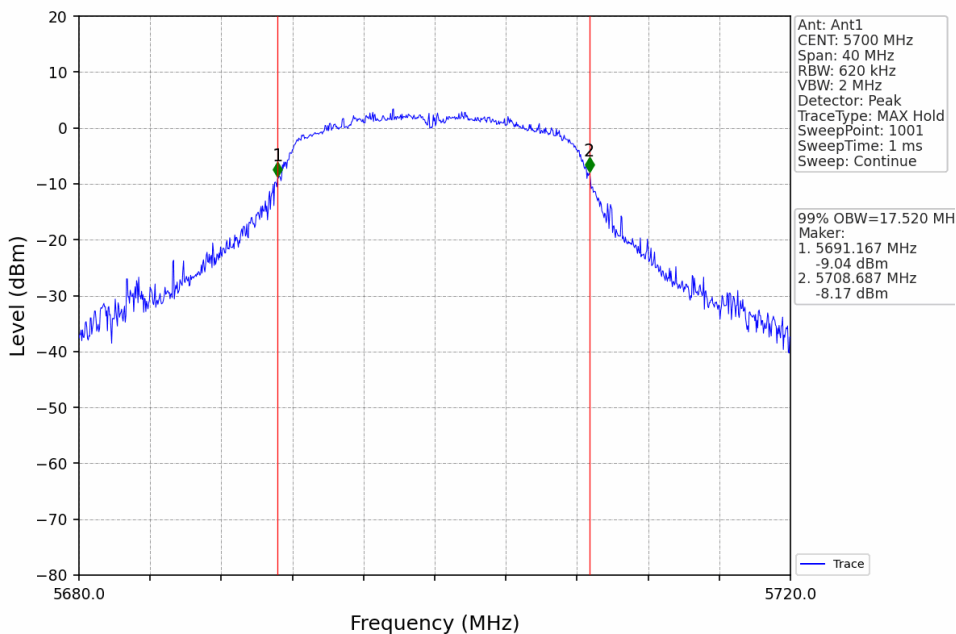
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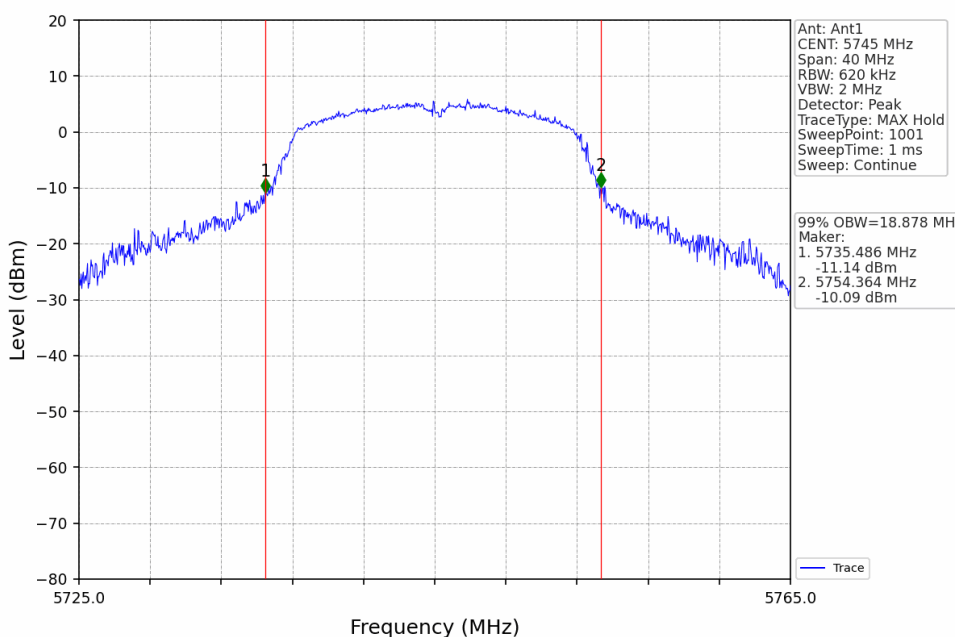
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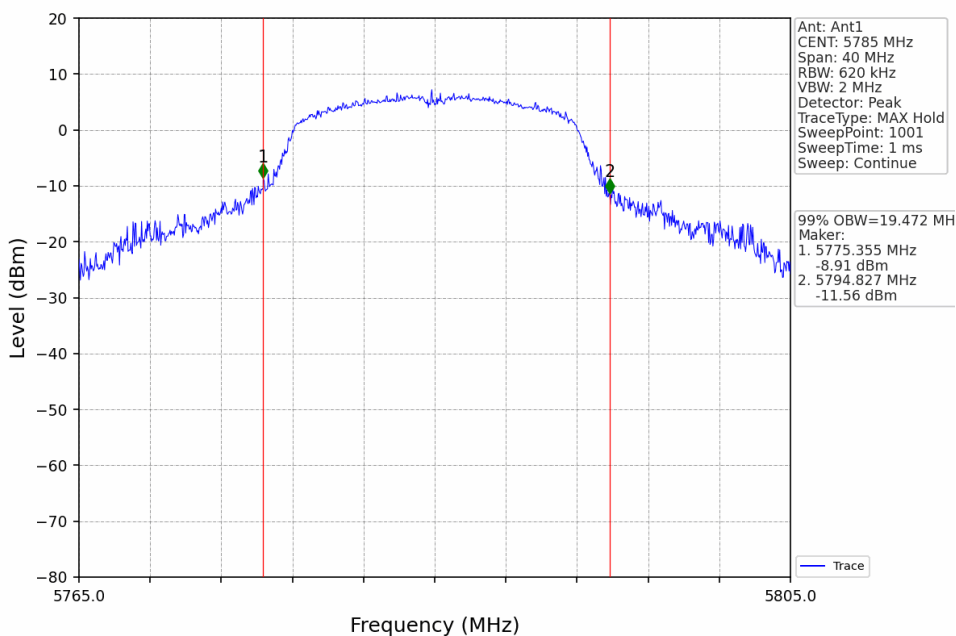
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



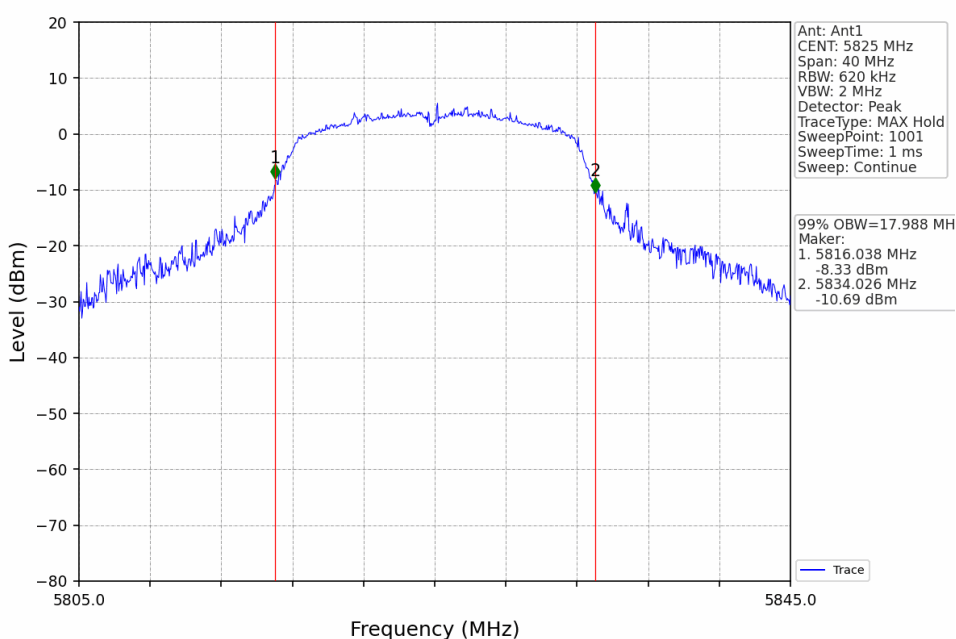
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.132	≥ 0.5	Pass
		5785	1	15.127	≥ 0.5	Pass
		5825	1	15.123	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	15.114	≥ 0.5	Pass
		5785	1	15.127	≥ 0.5	Pass
		5825	1	15.112	≥ 0.5	Pass

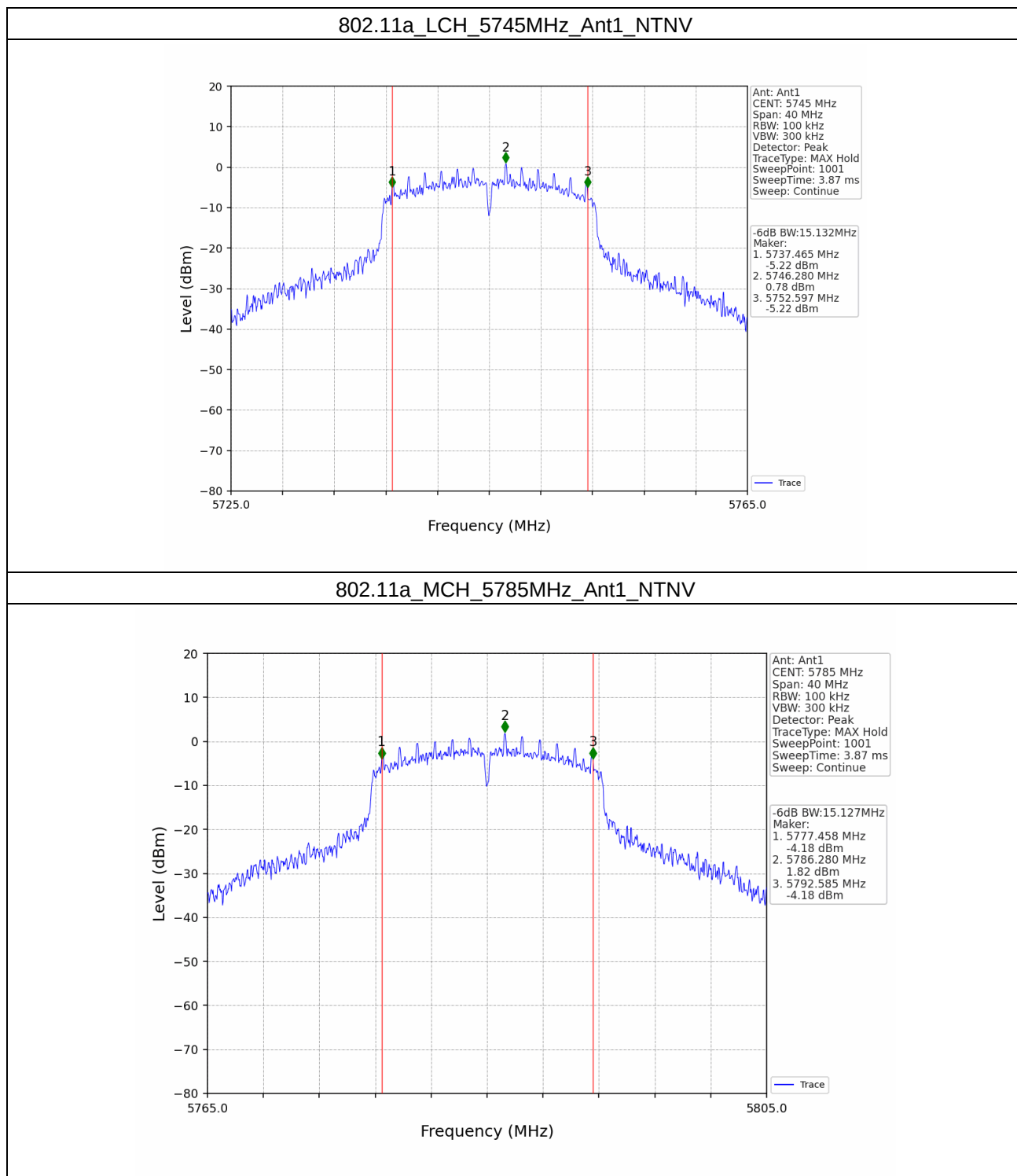


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2.2.2 Test Graph



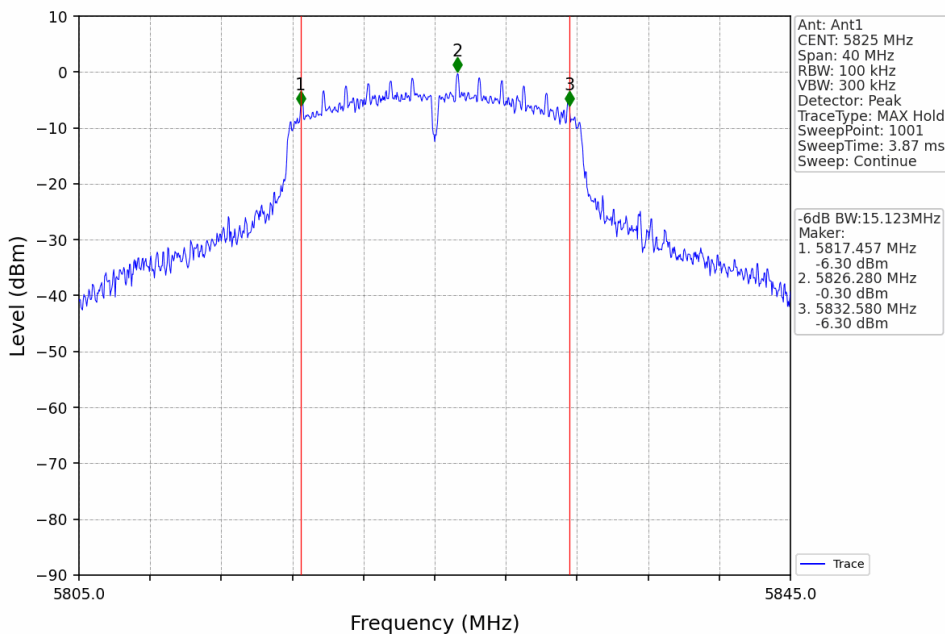
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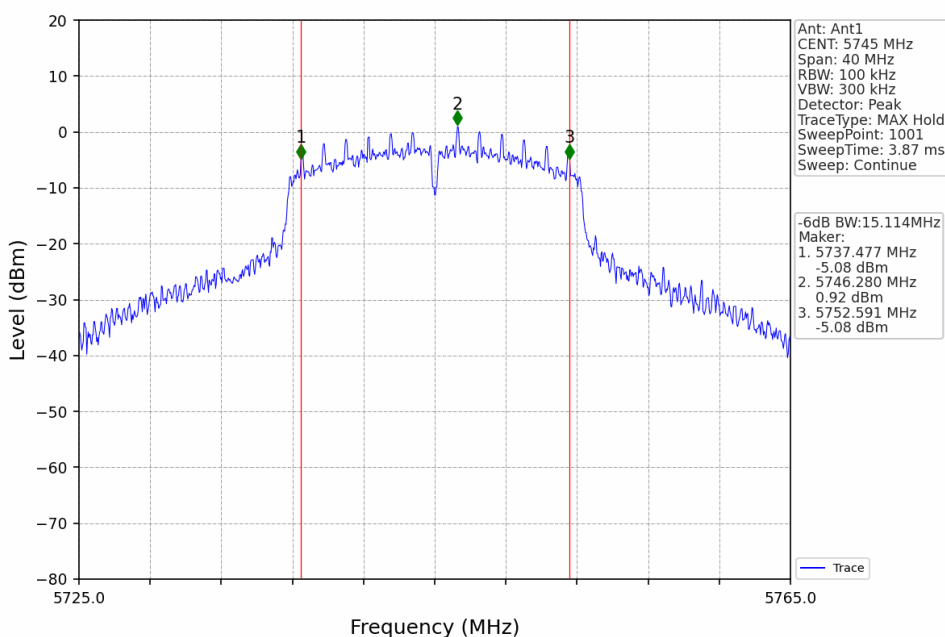
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



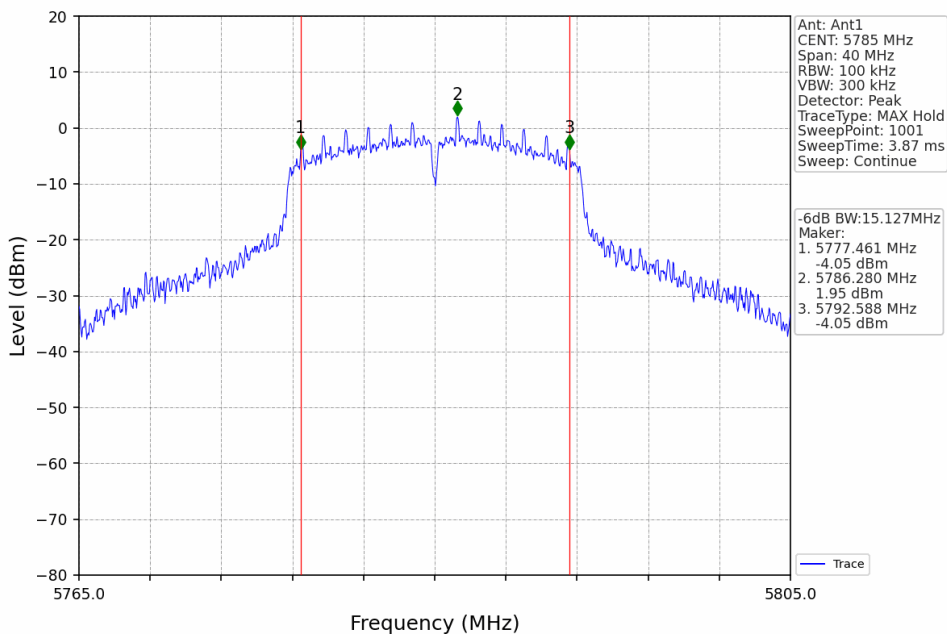
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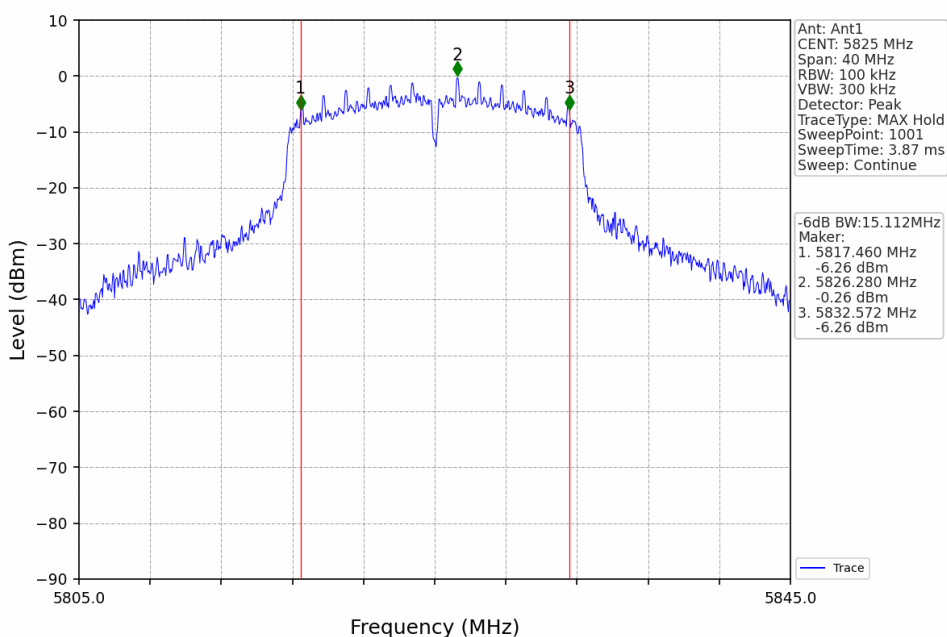
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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2.3 26dB BW

2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	24.764	Pass
		5200	1	29.474	Pass
		5240	1	29.613	Pass
		5260	1	31.787	Pass
		5300	1	26.332	Pass
		5320	1	23.654	Pass
		5500	1	22.597	Pass
		5580	1	30.913	Pass
		5700	1	22.020	Pass
802.11n (HT20)	SISO	5180	1	24.474	Pass
		5200	1	28.942	Pass
		5240	1	29.310	Pass
		5260	1	29.916	Pass
		5300	1	25.169	Pass
		5320	1	24.627	Pass
		5500	1	24.163	Pass
		5580	1	30.379	Pass
		5700	1	21.088	Pass



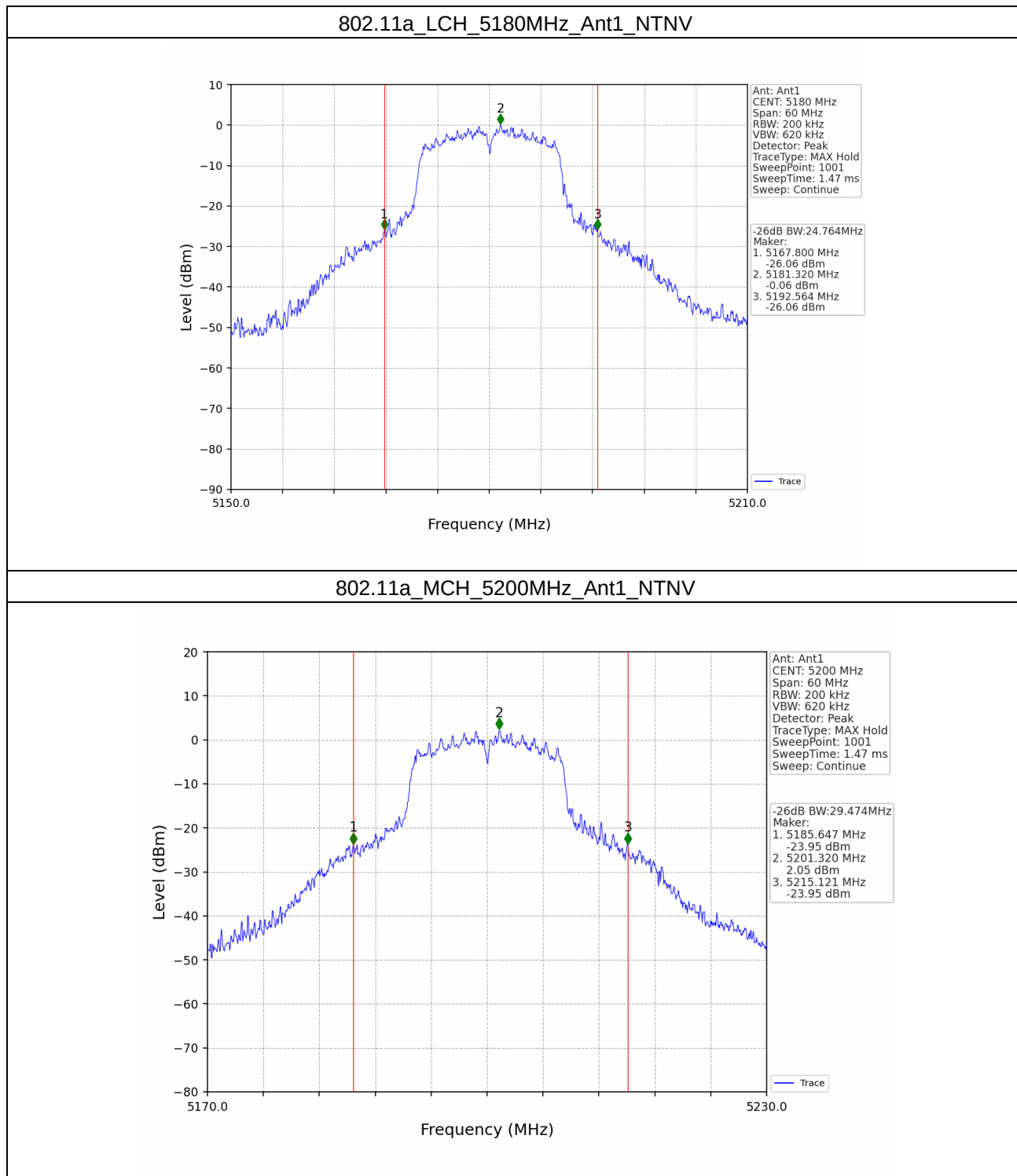
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2.3.2 Test Graph



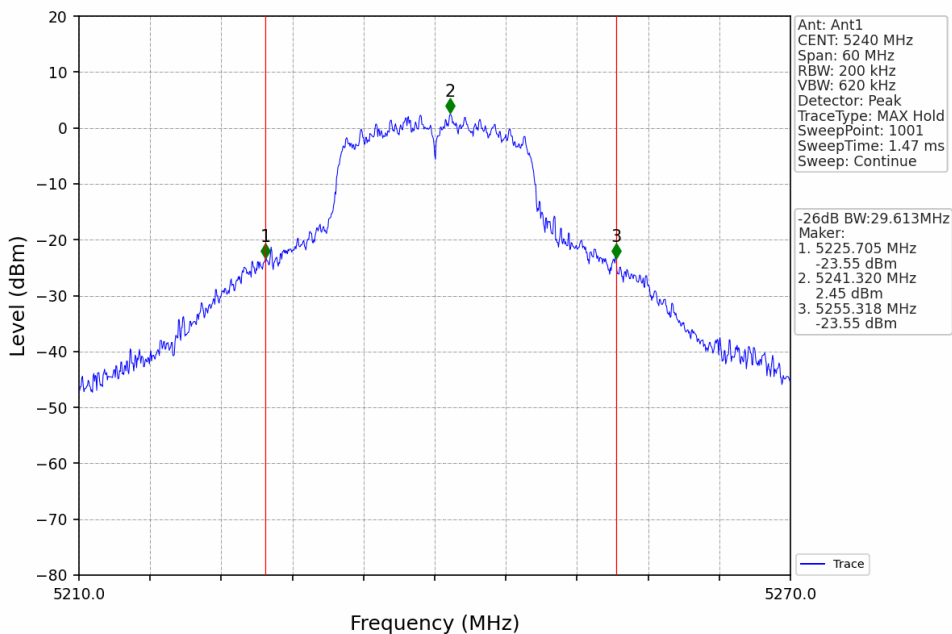
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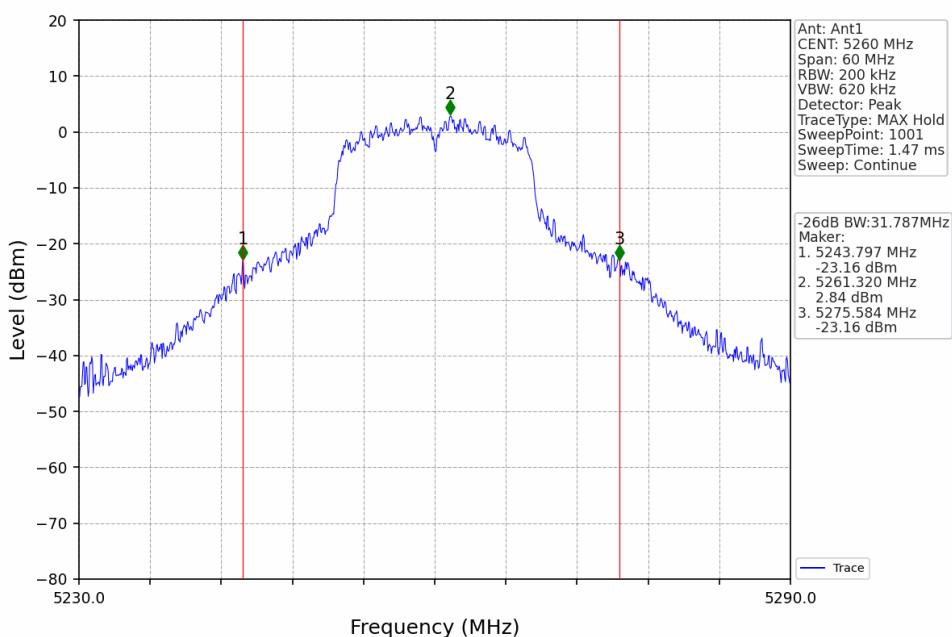
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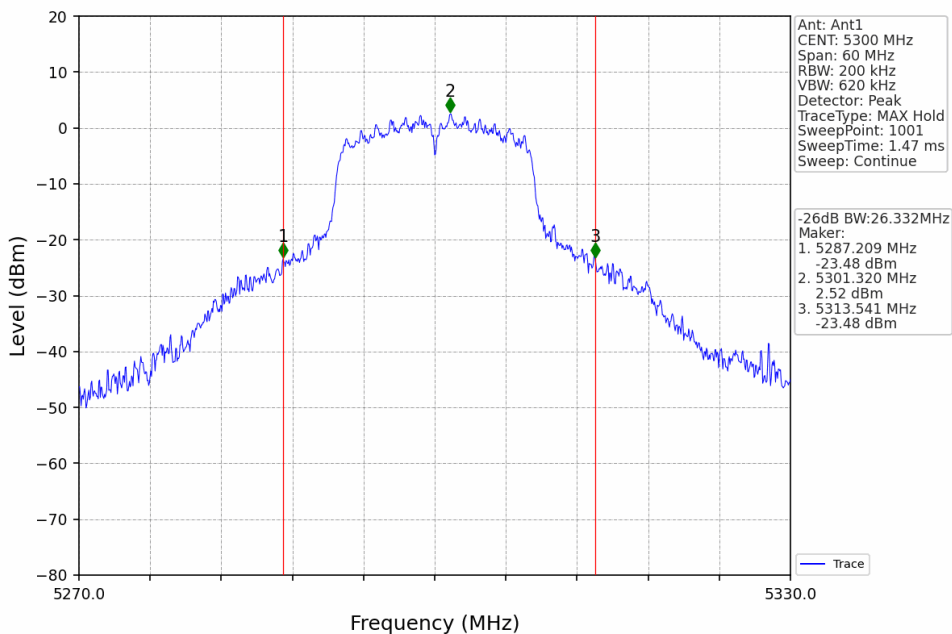
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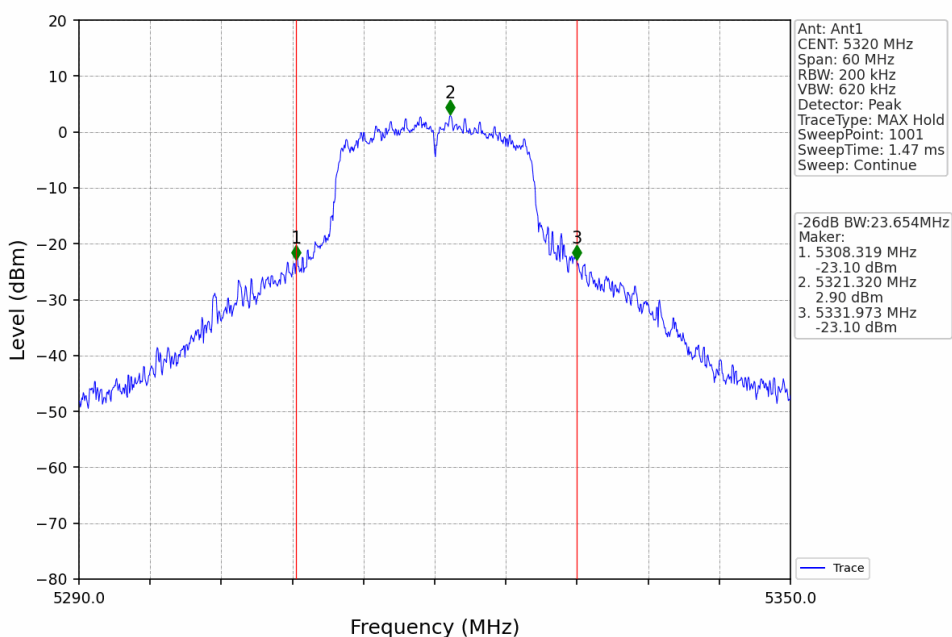
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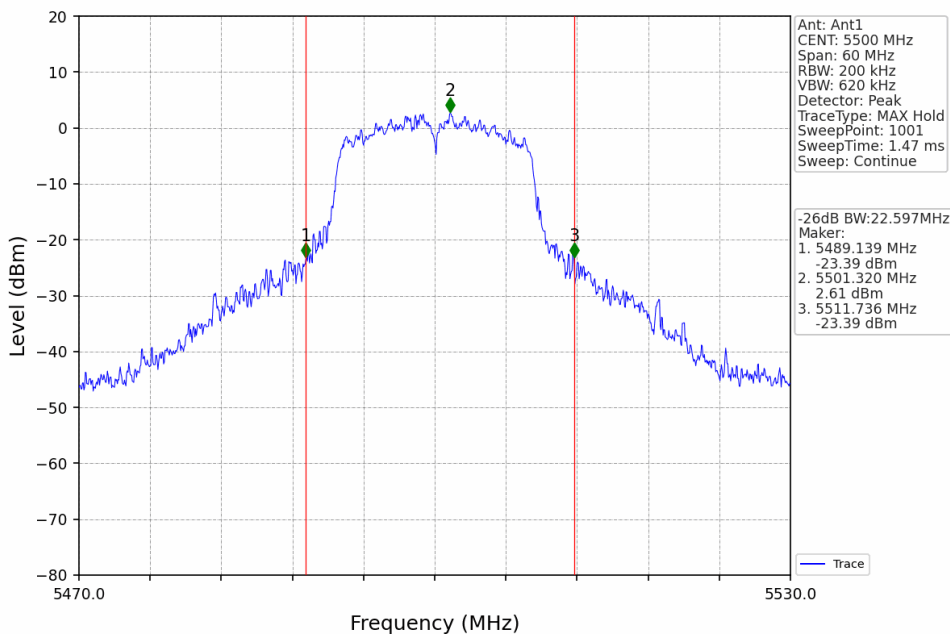
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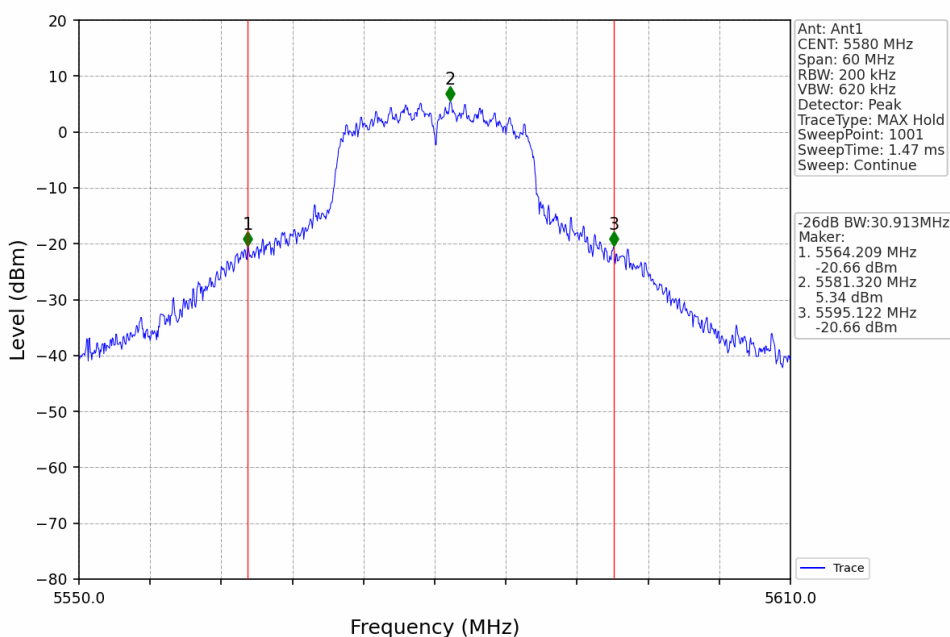
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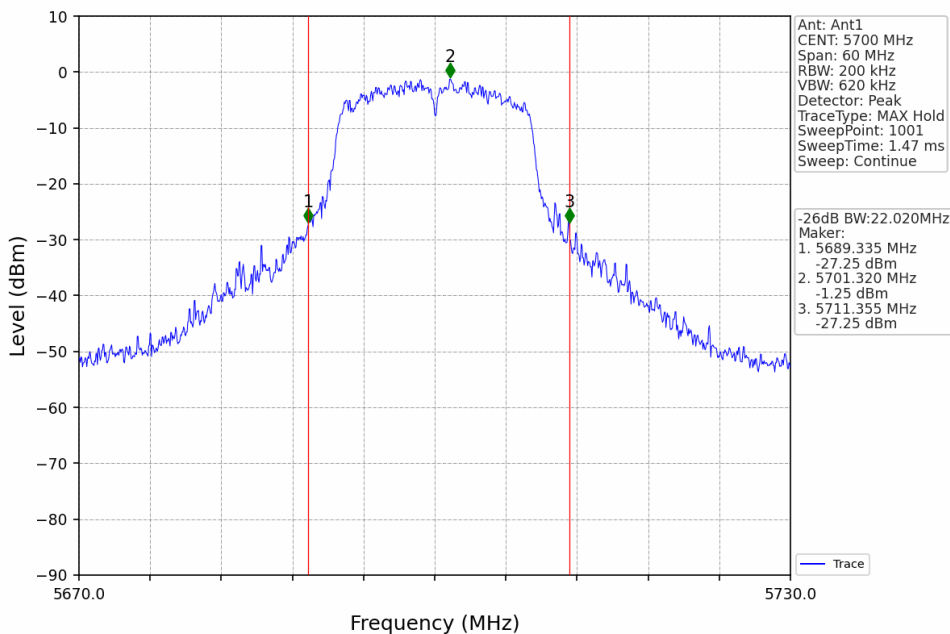
802.11a_LCH_5500MHz_Ant1_NTNV



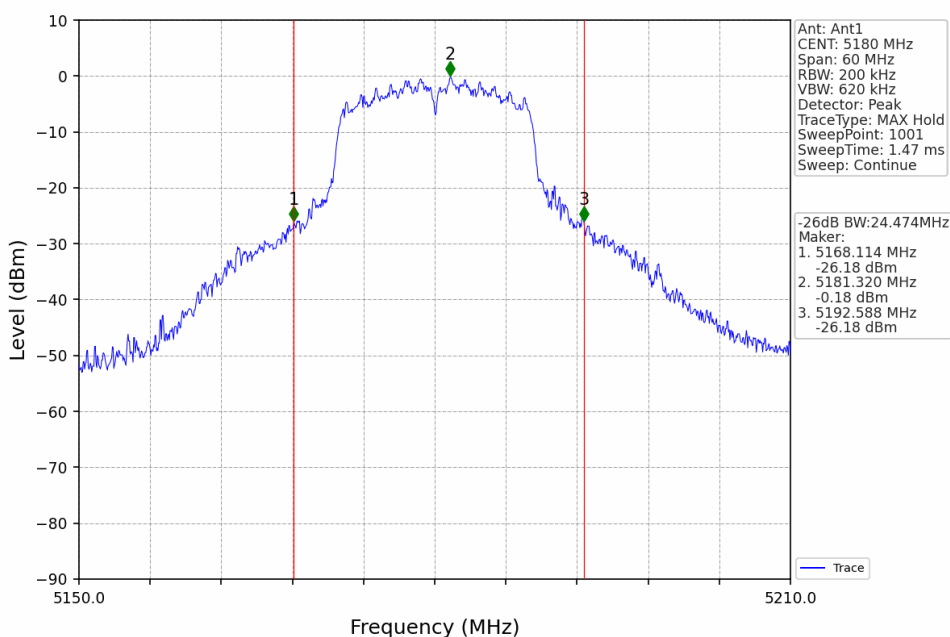
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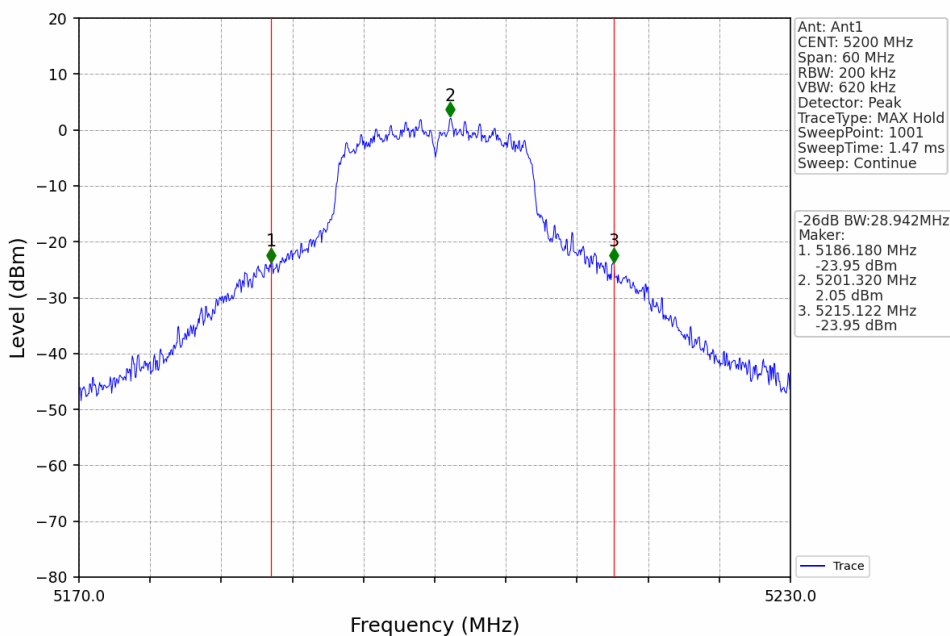
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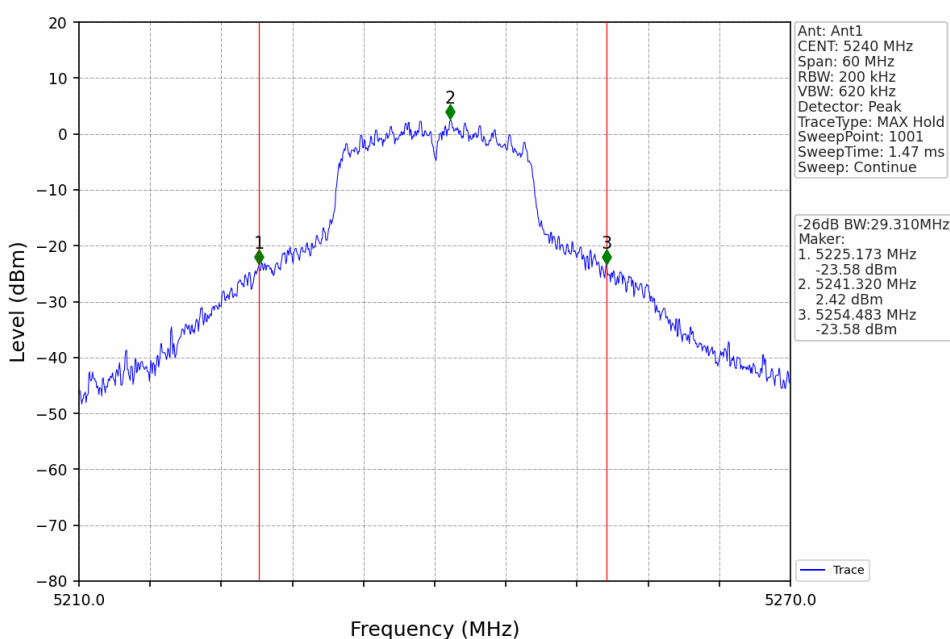
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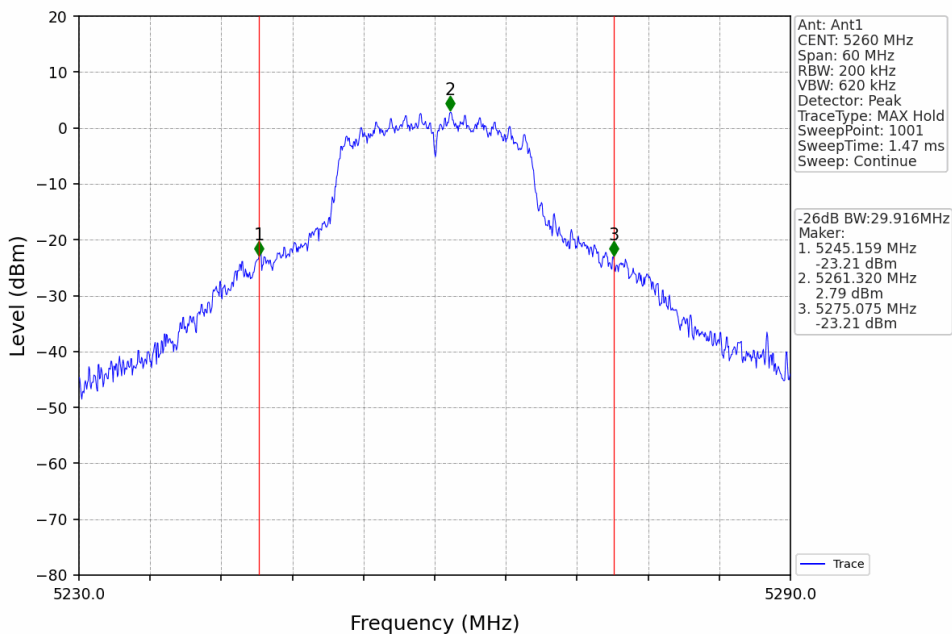
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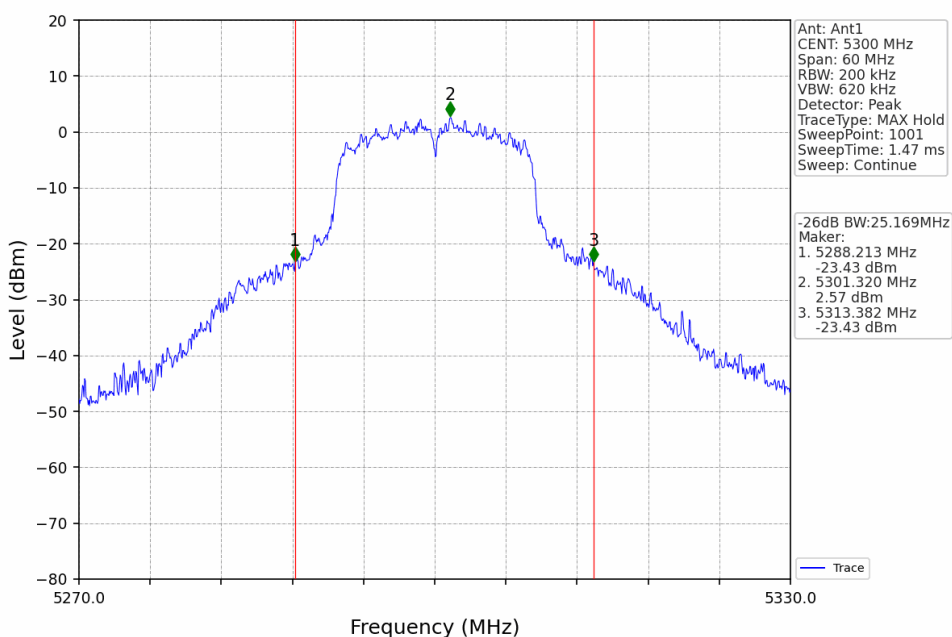
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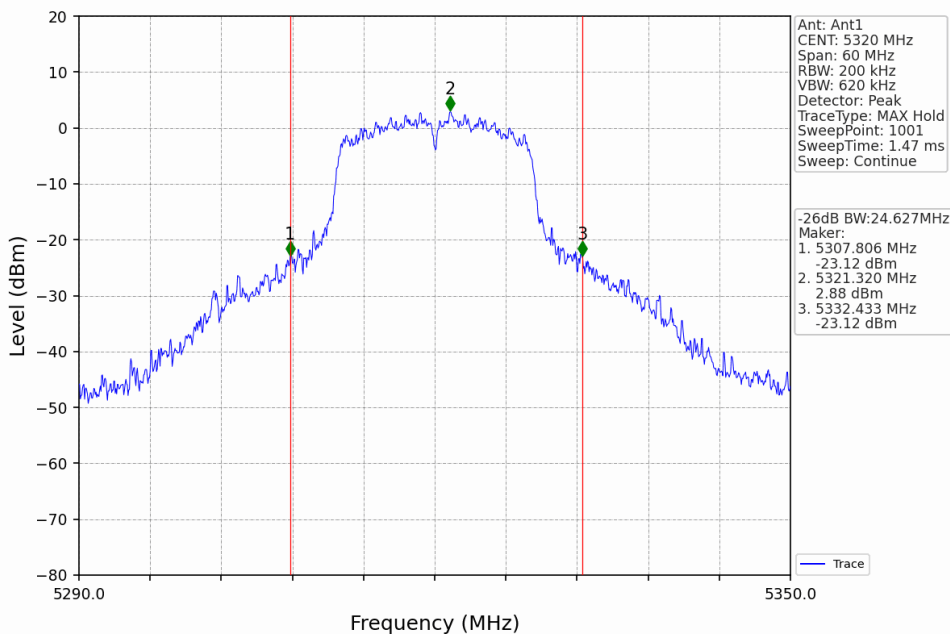
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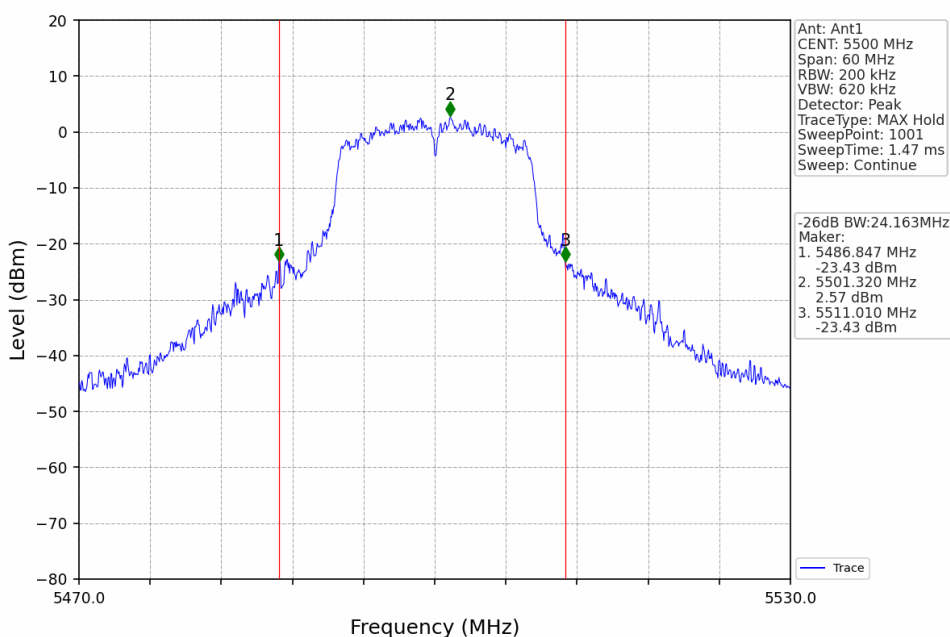
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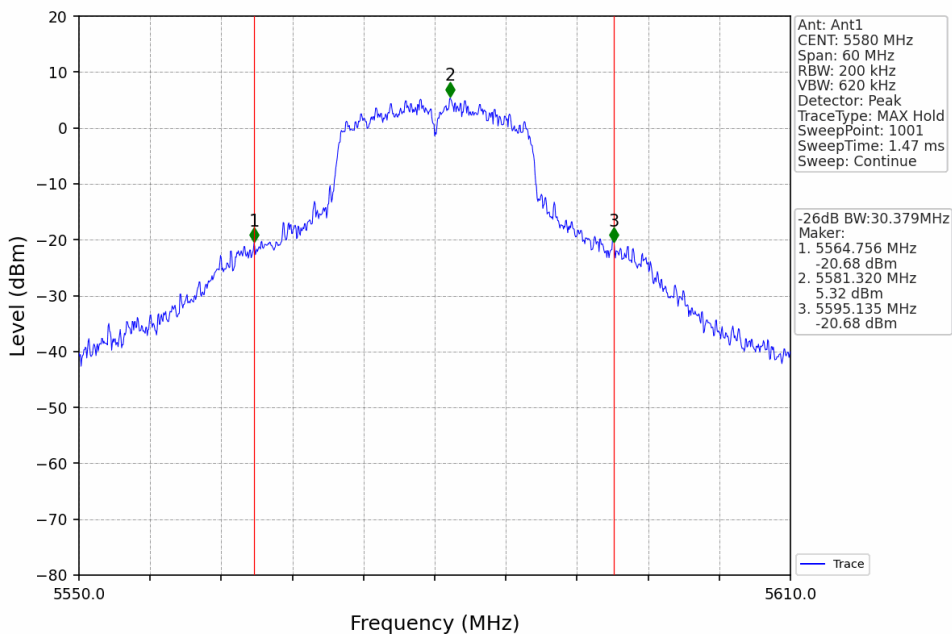
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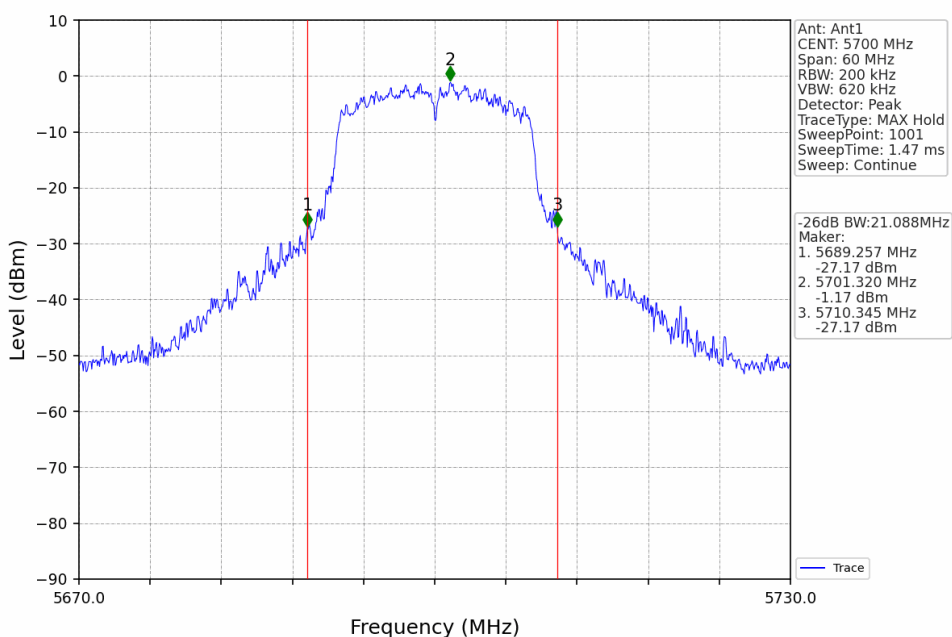
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_HCH_5700MHz_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	8.98	<=23.98	Pass
		5200	10.84	<=23.98	Pass
		5240	11.26	<=23.98	Pass
		5260	11.78	<=23.98	Pass
		5300	11.45	<=23.98	Pass
		5320	11.96	<=23.98	Pass
		5500	11.93	<=23.98	Pass
		5580	14.28	<=23.98	Pass
		5700	8.04	<=23.98	Pass
		5745	10.38	<=30	Pass
		5785	11.57	<=30	Pass
		5825	9.86	<=30	Pass
802.11n (HT20)	SISO	5180	8.87	<=23.98	Pass
		5200	10.84	<=23.98	Pass
		5240	11.27	<=23.98	Pass
		5260	11.72	<=23.98	Pass
		5300	11.50	<=23.98	Pass
		5320	11.93	<=23.98	Pass
		5500	11.99	<=23.98	Pass
		5580	14.24	<=23.98	Pass
		5700	8.07	<=23.98	Pass
		5745	10.43	<=30	Pass
		5785	11.54	<=30	Pass
		5825	9.86	<=30	Pass

4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result



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Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-1.32	<=11	Pass
		5200	0.48	<=11	Pass
		5240	0.99	<=11	Pass
		5260	1.61	<=11	Pass
		5300	1.22	<=11	Pass
		5320	1.68	<=11	Pass
		5500	9.86	<=11	Pass
		5580	3.93	<=11	Pass
		5700	-2.31	<=11	Pass
802.11n (HT20)	SISO	5180	-1.39	<=11	Pass
		5200	0.58	<=11	Pass
		5240	0.99	<=11	Pass
		5260	1.47	<=11	Pass
		5300	1.21	<=11	Pass
		5320	1.66	<=11	Pass
		5500	1.65	<=11	Pass
		5580	4.04	<=11	Pass
		5700	-2.21	<=11	Pass

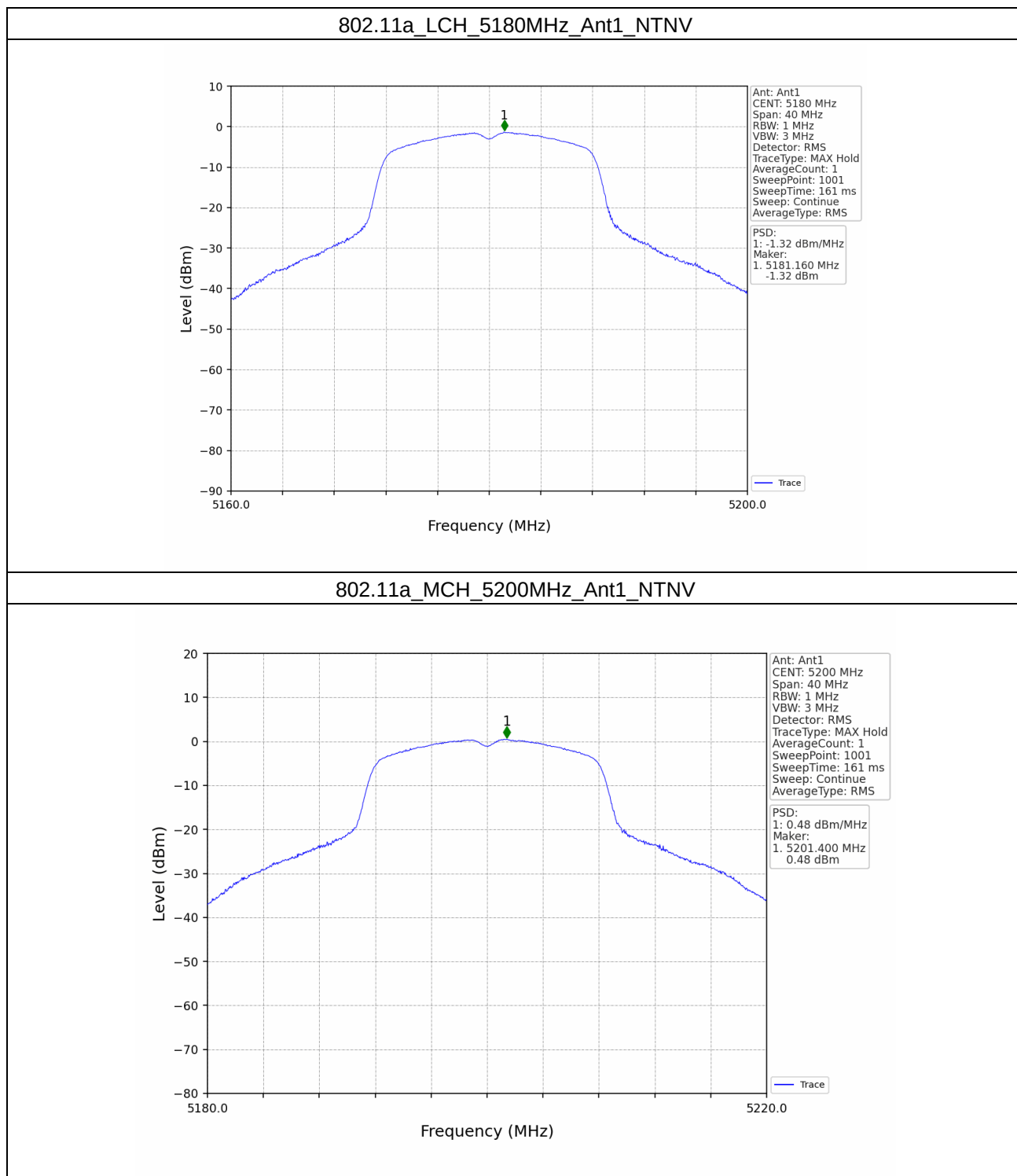


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4.1.2 Test Graph



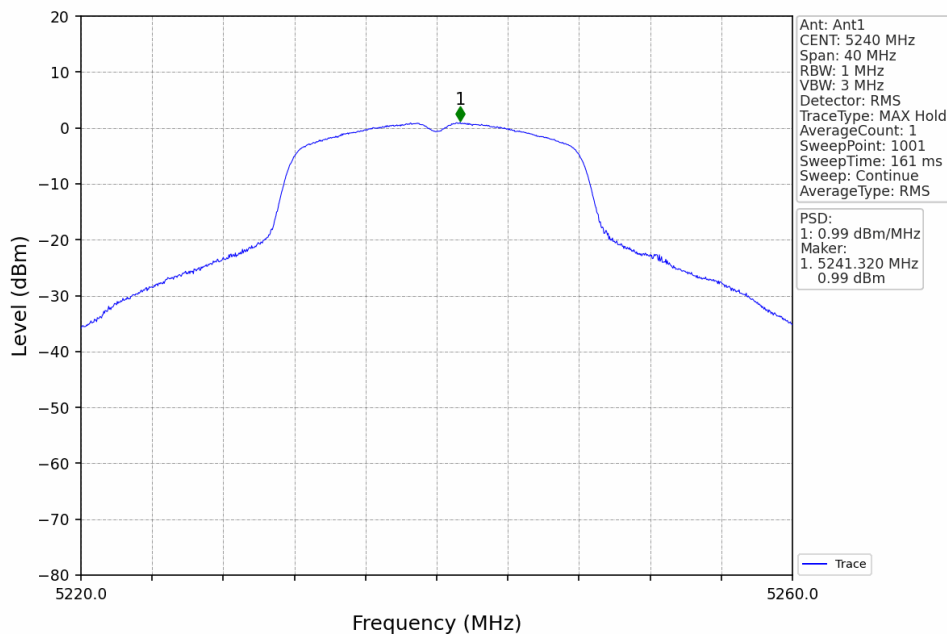
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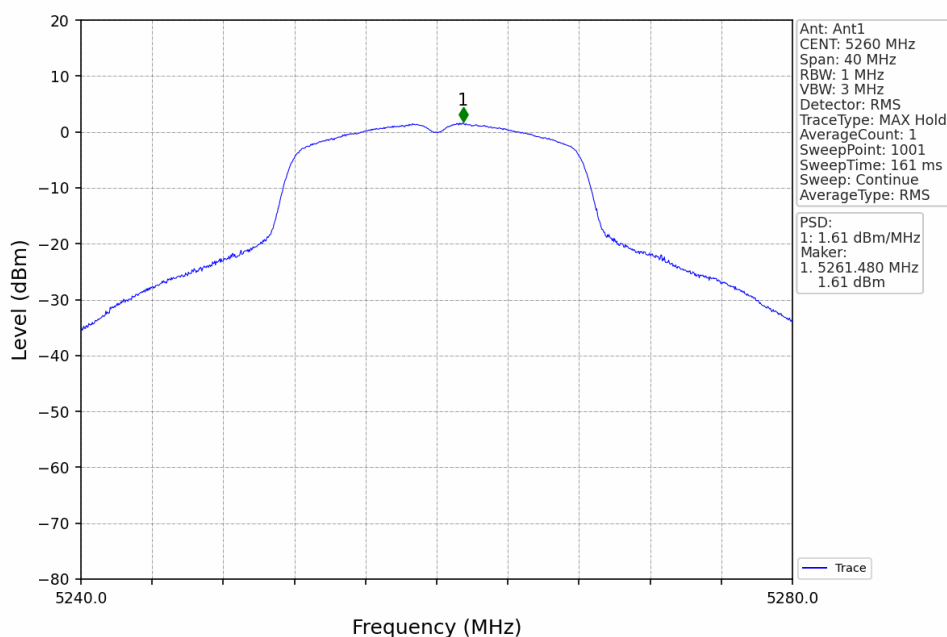
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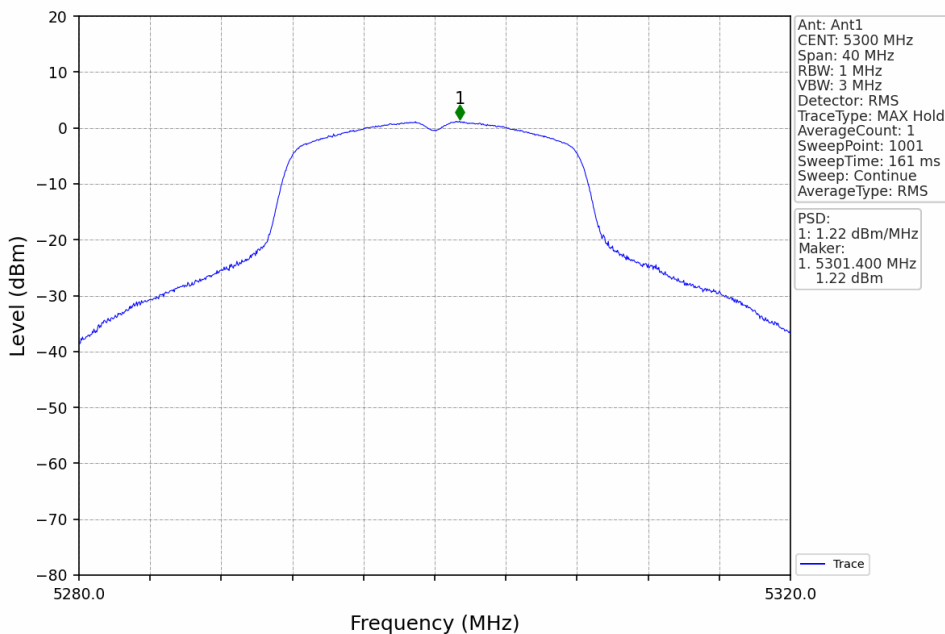
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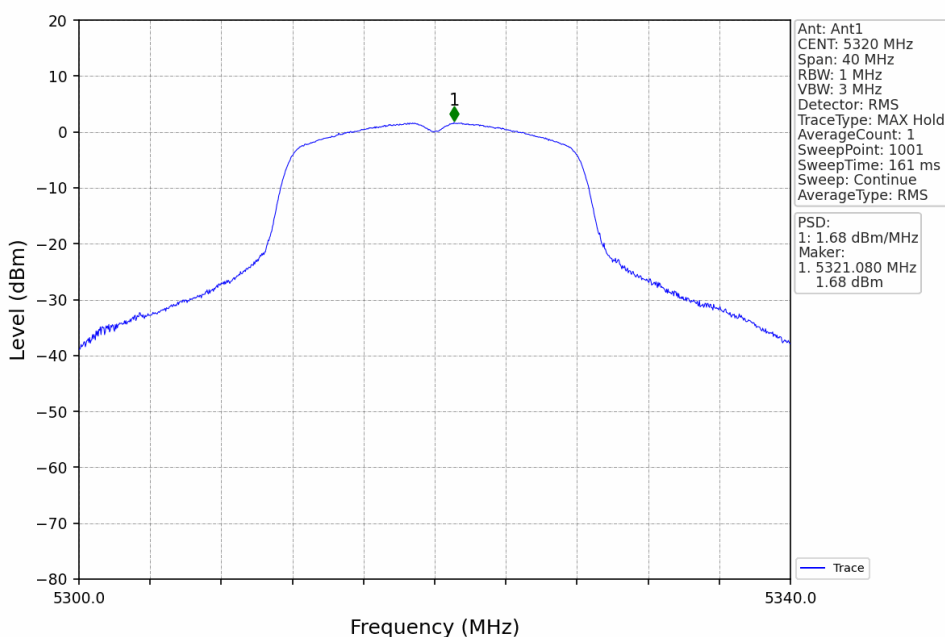
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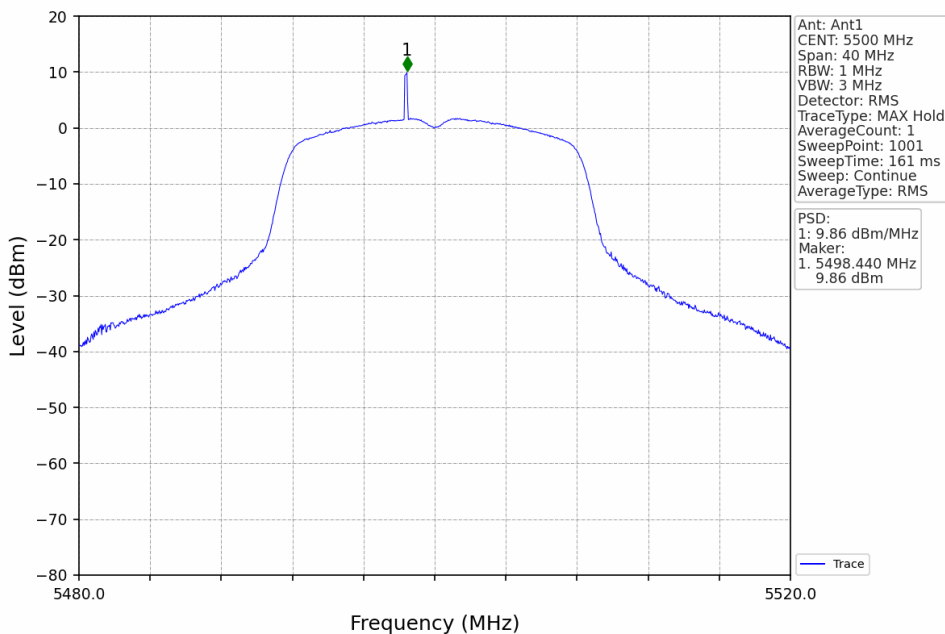
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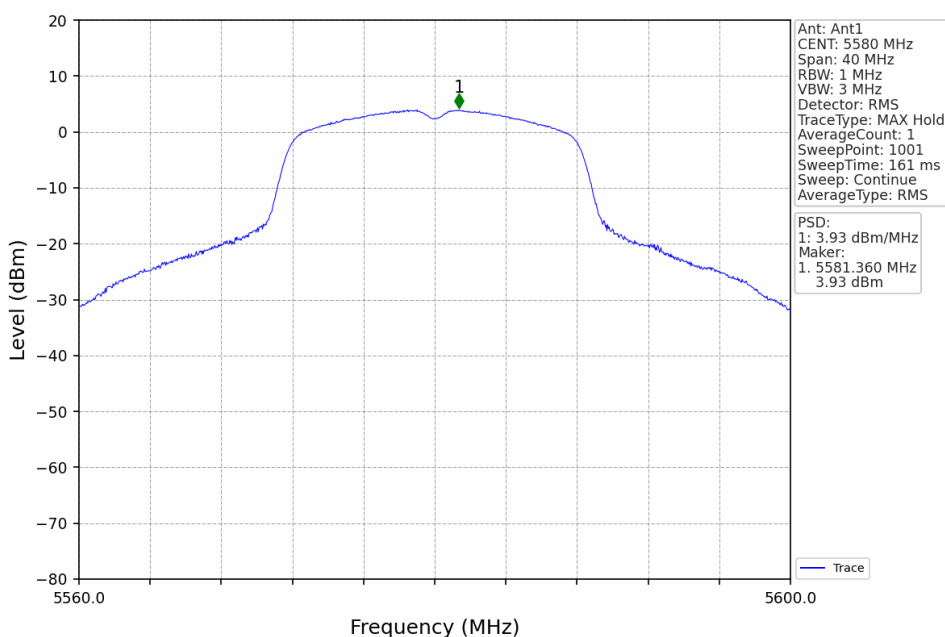
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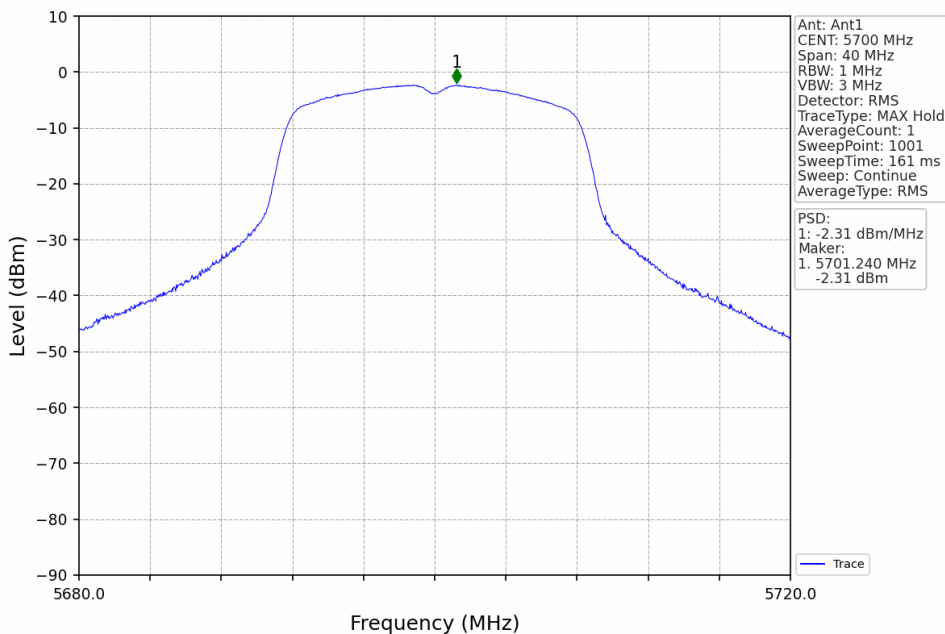
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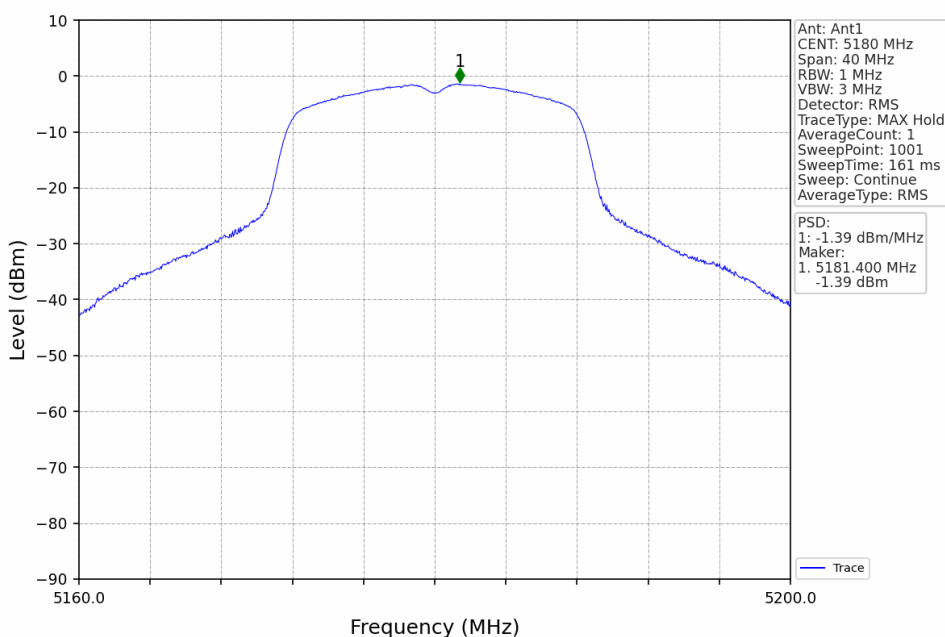
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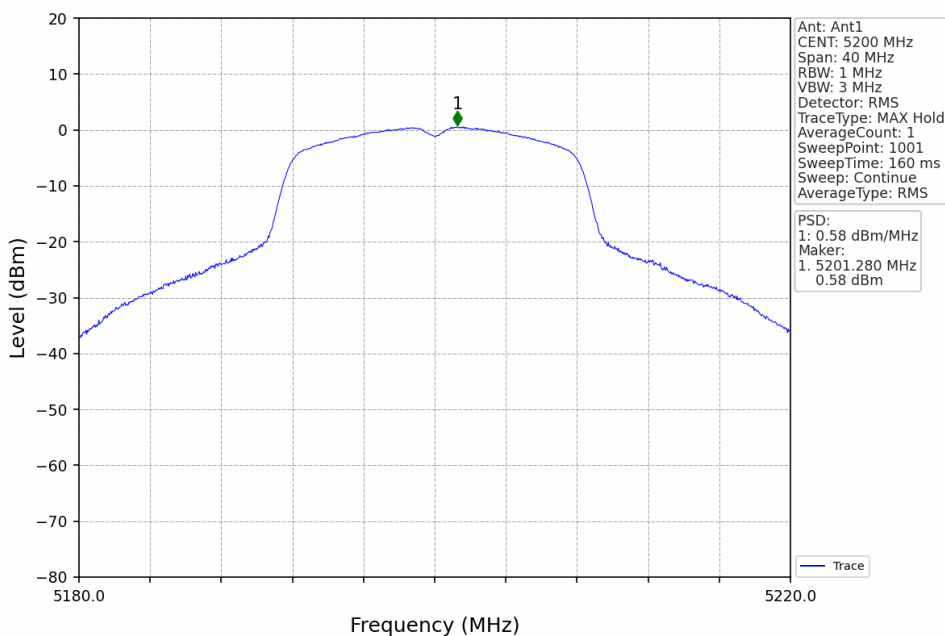
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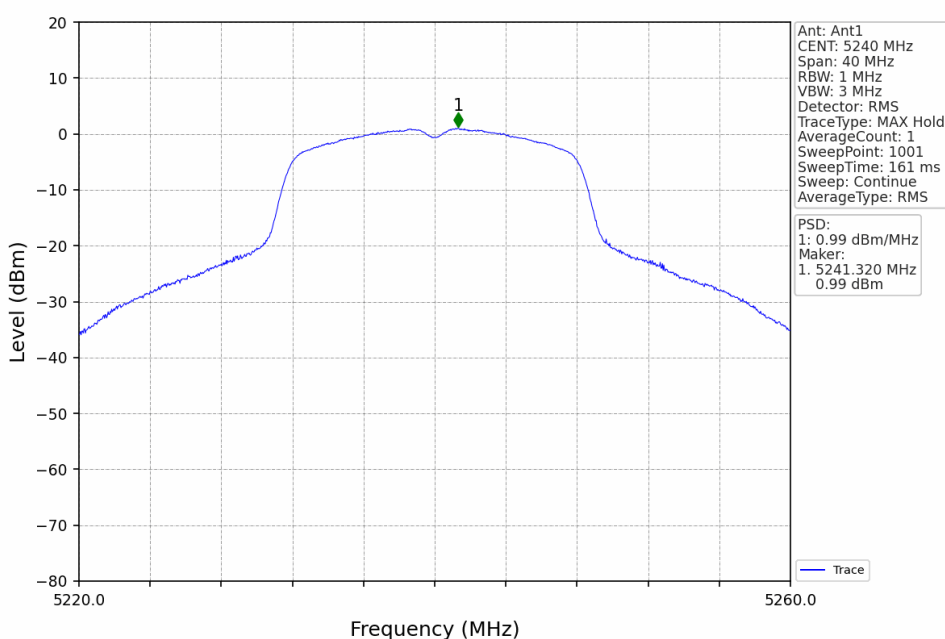
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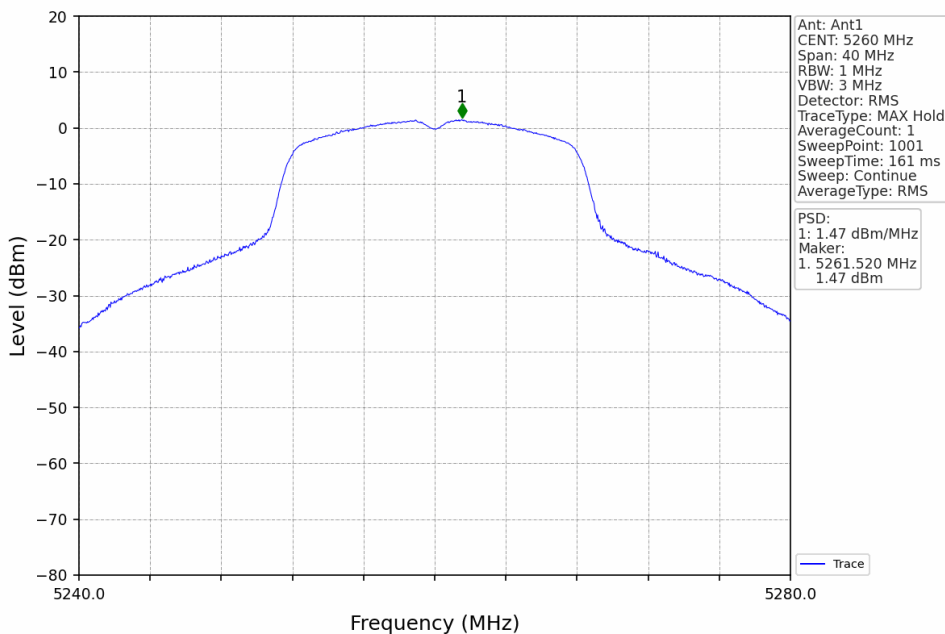
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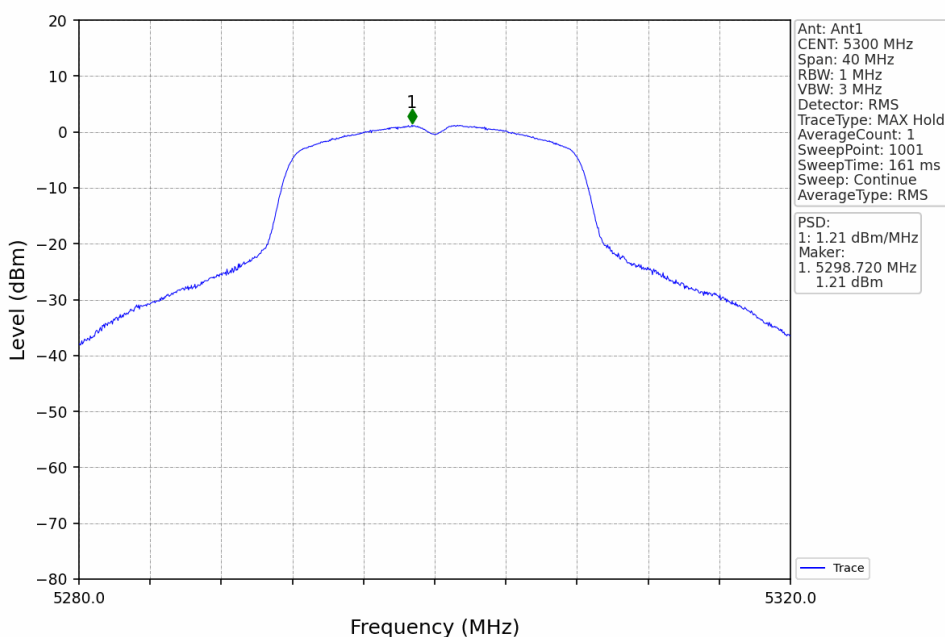
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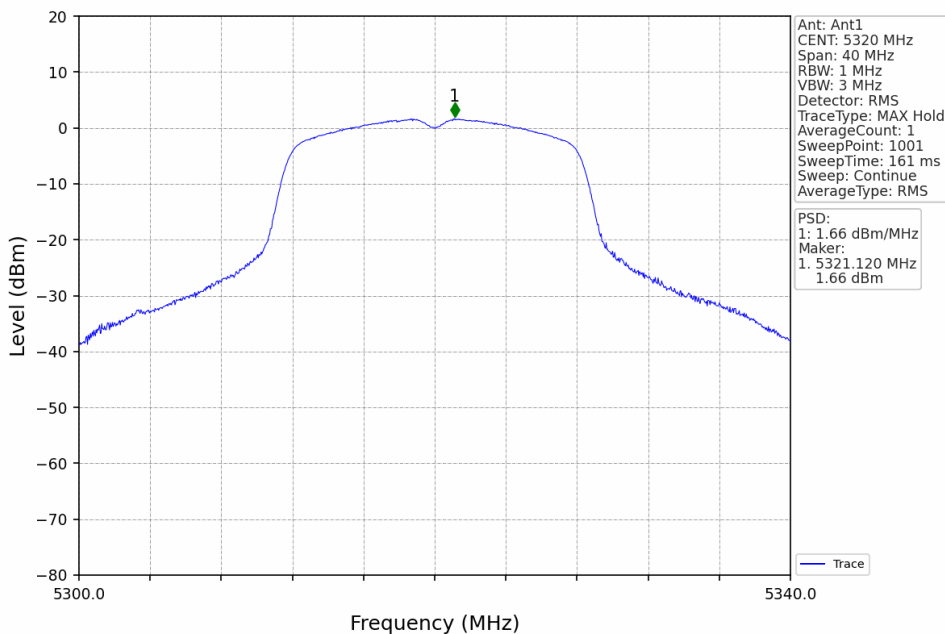
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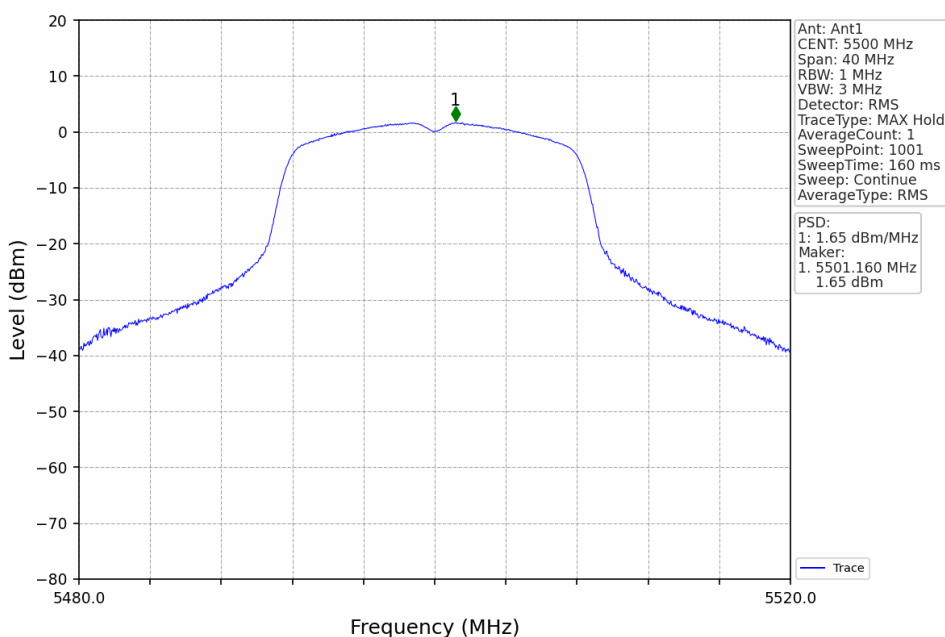
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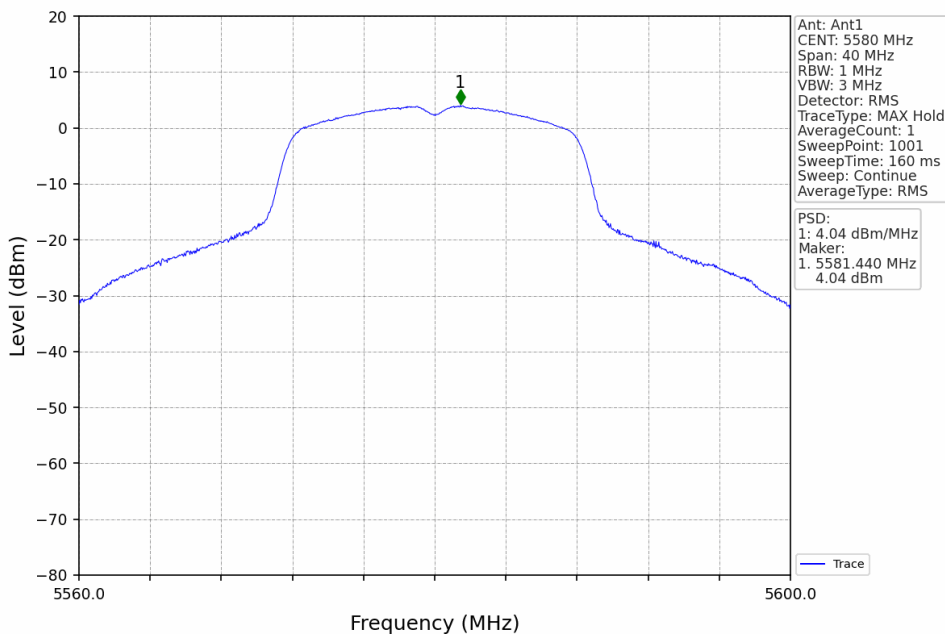
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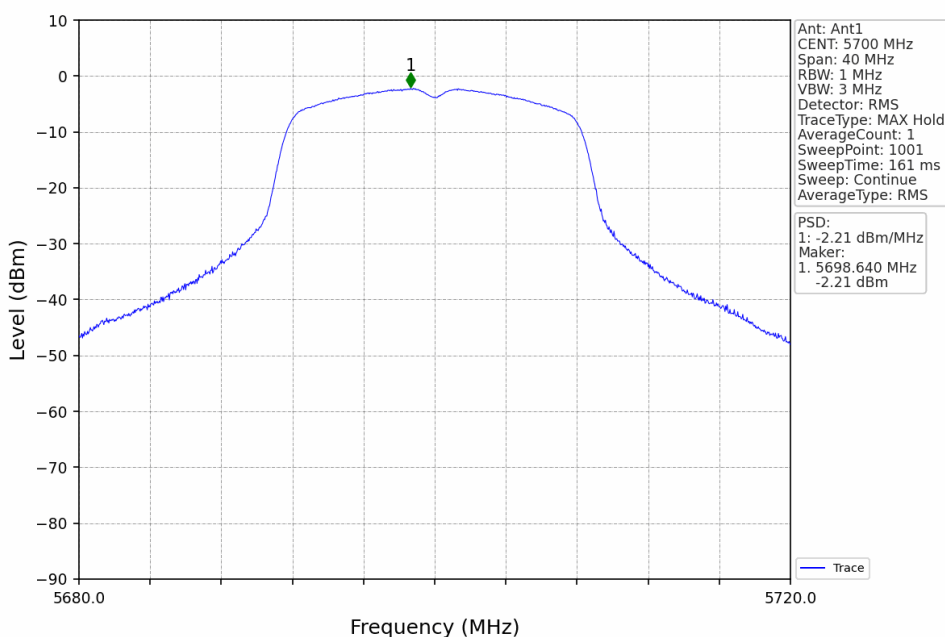
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



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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	-2.20	<=30	Pass
		5785	-1.13	<=30	Pass
		5825	-2.72	<=30	Pass
802.11n (HT20)	SISO	5745	-2.24	<=30	Pass
		5785	-1.25	<=30	Pass
		5825	-2.85	<=30	Pass



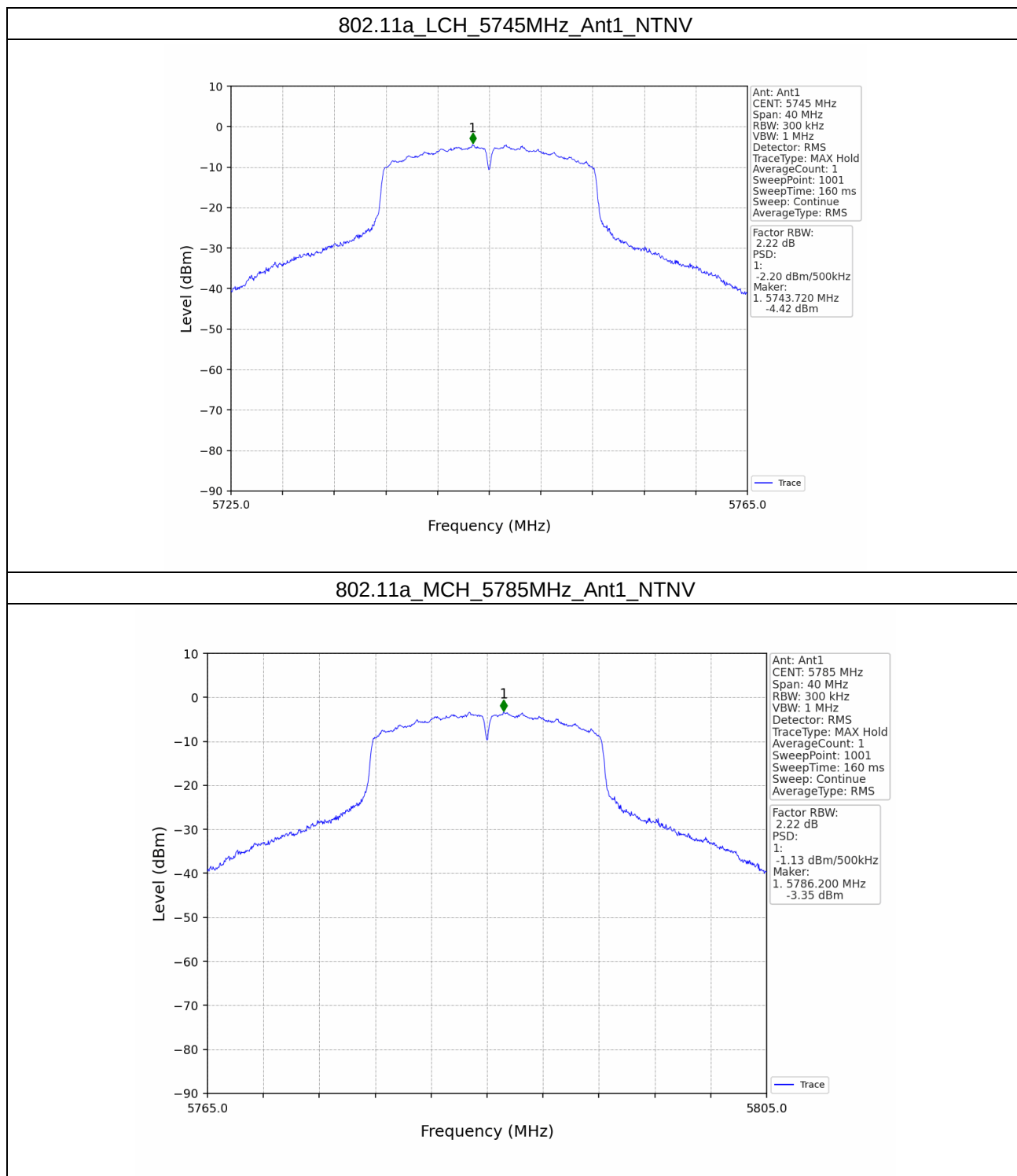
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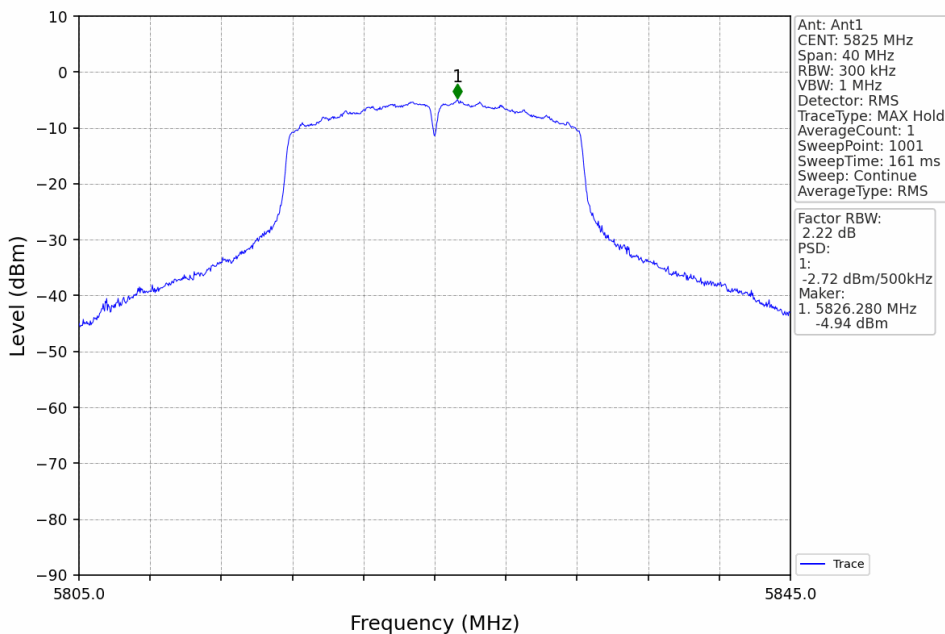
4.2.2 Test Graph



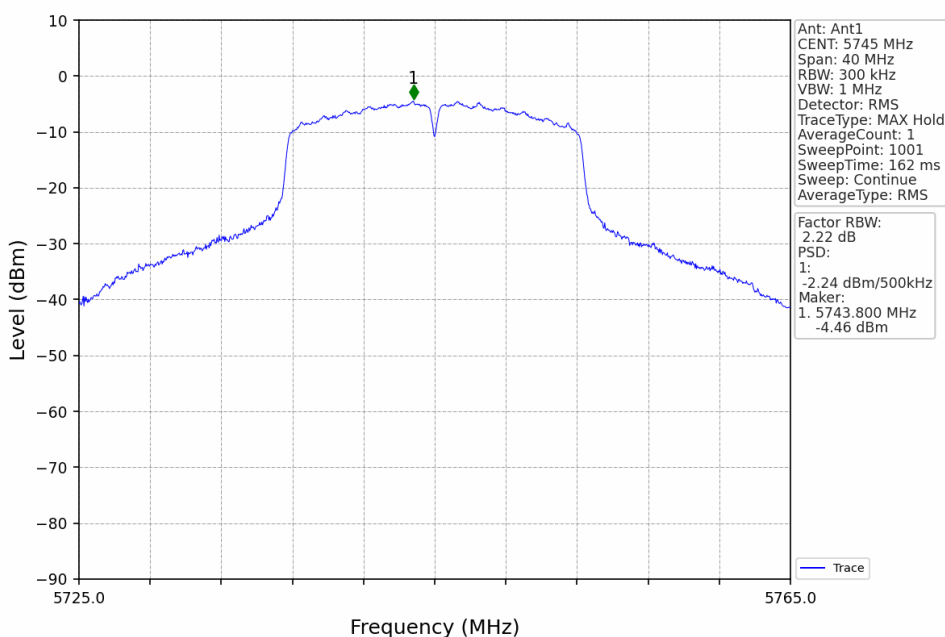
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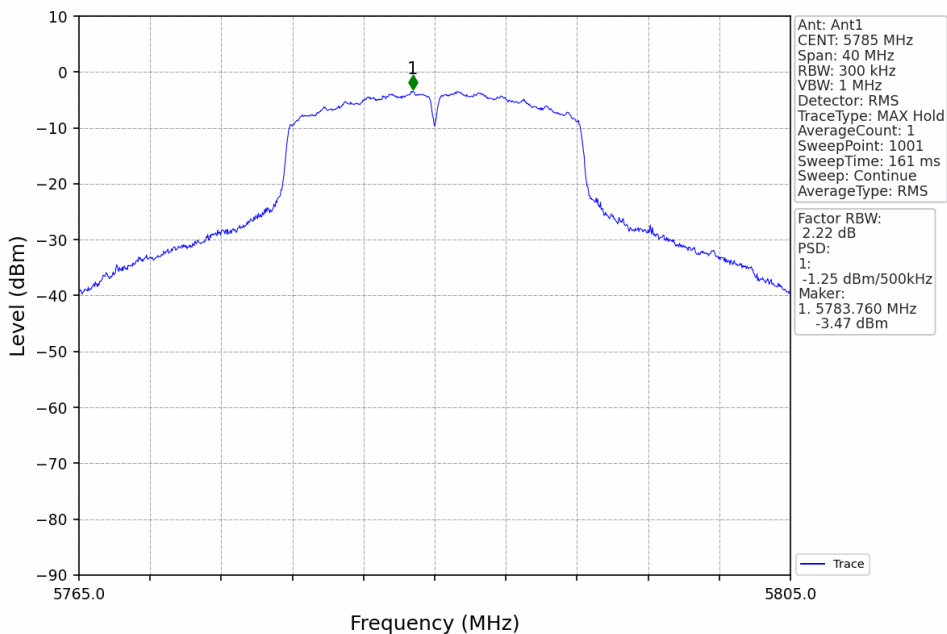
802.11a_HCH_5825MHz_Ant1_NTNV



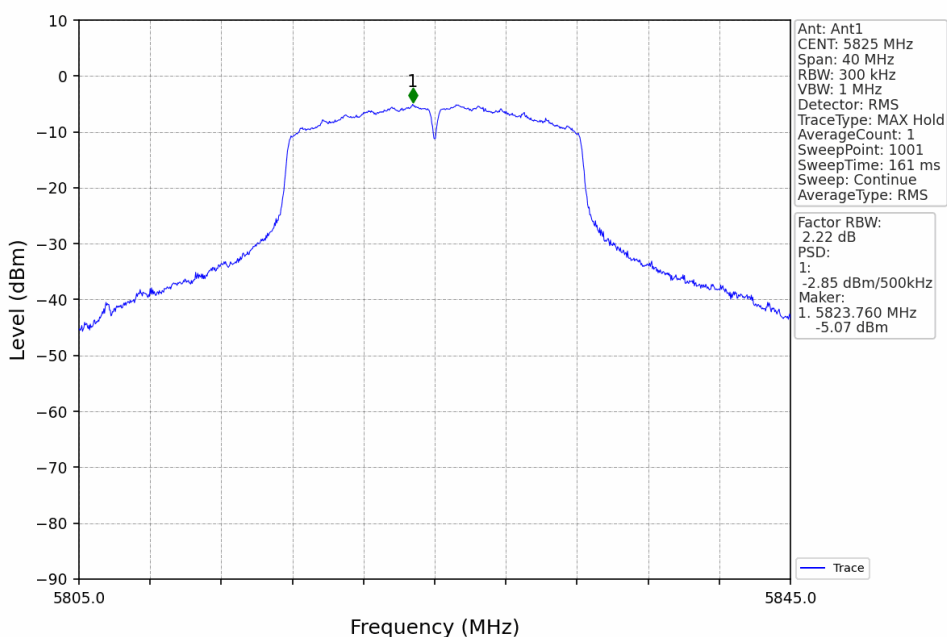
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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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	3.06	5180.080	5150 to 5250	Pass
				3.6	5180.140	5150 to 5250	Pass
				4.14	5179.980	5150 to 5250	Pass
			-30	3.6	5180.040	5150 to 5250	Pass
			-20	3.6	5180.040	5150 to 5250	Pass
			-10	3.6	5180.080	5150 to 5250	Pass
			0	3.6	5180.080	5150 to 5250	Pass
			10	3.6	5180.100	5150 to 5250	Pass
			30	3.6	5180.060	5150 to 5250	Pass
			40	3.6	5180.040	5150 to 5250	Pass
			50	3.6	5180.080	5150 to 5250	Pass
		5200	20	3.06	5200.060	5150 to 5250	Pass
				3.6	5200.040	5150 to 5250	Pass
				4.14	5200.040	5150 to 5250	Pass
			-30	3.6	5200.080	5150 to 5250	Pass
			-20	3.6	5200.120	5150 to 5250	Pass
			-10	3.6	5200.040	5150 to 5250	Pass
			0	3.6	5200.080	5150 to 5250	Pass
			10	3.6	5200.040	5150 to 5250	Pass
			30	3.6	5200.060	5150 to 5250	Pass
			40	3.6	5200.060	5150 to 5250	Pass
			50	3.6	5200.120	5150 to 5250	Pass
		5240	20	3.06	5240.080	5150 to 5250	Pass
				3.6	5240.000	5150 to 5250	Pass
				4.14	5240.020	5150 to 5250	Pass
			-30	3.6	5240.040	5150 to 5250	Pass
			-20	3.6	5240.040	5150 to 5250	Pass
			-10	3.6	5240.060	5150 to 5250	Pass
			0	3.6	5240.160	5150 to 5250	Pass
			10	3.6	5240.020	5150 to 5250	Pass



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			30	3.6	5239.980	5150 to 5250	Pass
			40	3.6	5240.060	5150 to 5250	Pass
			50	3.6	5240.060	5150 to 5250	Pass
		5260	20	3.06	5260.000	5250 to 5350	Pass
				3.6	5260.060	5250 to 5350	Pass
				4.14	5260.080	5250 to 5350	Pass
			-30	3.6	5260.040	5250 to 5350	Pass
			-20	3.6	5260.060	5250 to 5350	Pass
			-10	3.6	5260.080	5250 to 5350	Pass
			0	3.6	5260.000	5250 to 5350	Pass
			10	3.6	5260.060	5250 to 5350	Pass
			30	3.6	5260.120	5250 to 5350	Pass
			40	3.6	5260.060	5250 to 5350	Pass
			50	3.6	5260.080	5250 to 5350	Pass
		5300	20	3.06	5300.040	5250 to 5350	Pass
				3.6	5300.060	5250 to 5350	Pass
				4.14	5300.060	5250 to 5350	Pass
			-30	3.6	5300.080	5250 to 5350	Pass
			-20	3.6	5300.040	5250 to 5350	Pass
			-10	3.6	5300.020	5250 to 5350	Pass
			0	3.6	5299.980	5250 to 5350	Pass
			10	3.6	5300.060	5250 to 5350	Pass
			30	3.6	5300.020	5250 to 5350	Pass
			40	3.6	5300.060	5250 to 5350	Pass
			50	3.6	5300.040	5250 to 5350	Pass
		5320	20	3.06	5320.060	5250 to 5350	Pass
				3.6	5320.040	5250 to 5350	Pass
				4.14	5320.060	5250 to 5350	Pass
			-30	3.6	5320.020	5250 to 5350	Pass
			-20	3.6	5320.060	5250 to 5350	Pass
			-10	3.6	5320.040	5250 to 5350	Pass
			0	3.6	5320.000	5250 to 5350	Pass
			10	3.6	5320.040	5250 to 5350	Pass
			30	3.6	5320.060	5250 to 5350	Pass
			40	3.6	5320.060	5250 to 5350	Pass
			50	3.6	5320.060	5250 to 5350	Pass
		5500	20	3.06	5500.040	5470 to 5725	Pass
				3.6	5500.060	5470 to 5725	Pass
				4.14	5499.980	5470 to 5725	Pass
			-30	3.6	5500.020	5470 to 5725	Pass



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			-20	3.6	5500.020	5470 to 5725	Pass
			-10	3.6	5500.000	5470 to 5725	Pass
			0	3.6	5500.060	5470 to 5725	Pass
			10	3.6	5499.980	5470 to 5725	Pass
			30	3.6	5500.020	5470 to 5725	Pass
			40	3.6	5500.060	5470 to 5725	Pass
			50	3.6	5500.000	5470 to 5725	Pass
		5580	20	3.06	5580.040	5470 to 5725	Pass
				3.6	5580.020	5470 to 5725	Pass
				4.14	5580.020	5470 to 5725	Pass
			-30	3.6	5580.020	5470 to 5725	Pass
			-20	3.6	5580.060	5470 to 5725	Pass
			-10	3.6	5580.040	5470 to 5725	Pass
			0	3.6	5580.040	5470 to 5725	Pass
			10	3.6	5580.020	5470 to 5725	Pass
			30	3.6	5580.040	5470 to 5725	Pass
			40	3.6	5580.040	5470 to 5725	Pass
			50	3.6	5580.000	5470 to 5725	Pass
		5700	20	3.06	5699.980	5470 to 5725	Pass
				3.6	5700.020	5470 to 5725	Pass
				4.14	5700.040	5470 to 5725	Pass
			-30	3.6	5699.980	5470 to 5725	Pass
			-20	3.6	5700.000	5470 to 5725	Pass
			-10	3.6	5699.980	5470 to 5725	Pass
			0	3.6	5700.040	5470 to 5725	Pass
			10	3.6	5700.060	5470 to 5725	Pass
			30	3.6	5699.960	5470 to 5725	Pass
			40	3.6	5700.020	5470 to 5725	Pass
			50	3.6	5700.000	5470 to 5725	Pass
		5745	20	3.06	5745.080	5725 to 5850	Pass
				3.6	5745.040	5725 to 5850	Pass
				4.14	5745.040	5725 to 5850	Pass
			-30	3.6	5745.040	5725 to 5850	Pass
			-20	3.6	5745.020	5725 to 5850	Pass
			-10	3.6	5745.020	5725 to 5850	Pass
			0	3.6	5745.060	5725 to 5850	Pass
			10	3.6	5744.960	5725 to 5850	Pass
			30	3.6	5745.040	5725 to 5850	Pass
			40	3.6	5745.020	5725 to 5850	Pass
			50	3.6	5744.980	5725 to 5850	Pass



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		5785	20	3.06	5785.000	5725 to 5850	Pass
				3.6	5785.020	5725 to 5850	Pass
				4.14	5785.080	5725 to 5850	Pass
			-30	3.6	5785.020	5725 to 5850	Pass
			-20	3.6	5785.040	5725 to 5850	Pass
			-10	3.6	5784.960	5725 to 5850	Pass
			0	3.6	5785.060	5725 to 5850	Pass
			10	3.6	5785.060	5725 to 5850	Pass
			30	3.6	5785.040	5725 to 5850	Pass
			40	3.6	5785.020	5725 to 5850	Pass
			50	3.6	5785.040	5725 to 5850	Pass
		5825	20	3.06	5824.940	5725 to 5850	Pass
				3.6	5825.060	5725 to 5850	Pass
				4.14	5825.040	5725 to 5850	Pass
			-30	3.6	5825.080	5725 to 5850	Pass
			-20	3.6	5825.060	5725 to 5850	Pass
			-10	3.6	5825.020	5725 to 5850	Pass
			0	3.6	5825.100	5725 to 5850	Pass
			10	3.6	5825.080	5725 to 5850	Pass
			30	3.6	5825.040	5725 to 5850	Pass
			40	3.6	5825.040	5725 to 5850	Pass
			50	3.6	5825.060	5725 to 5850	Pass
802.11n (HT20)	SISO	5180	20	3.06	5180.040	5150 to 5250	Pass
				3.6	5180.060	5150 to 5250	Pass
				4.14	5180.040	5150 to 5250	Pass
			-30	3.6	5180.060	5150 to 5250	Pass
			-20	3.6	5180.120	5150 to 5250	Pass
			-10	3.6	5180.080	5150 to 5250	Pass
			0	3.6	5180.060	5150 to 5250	Pass
			10	3.6	5180.100	5150 to 5250	Pass
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		5200	20	3.06	5199.980	5150 to 5250	Pass
				3.6	5200.100	5150 to 5250	Pass
				4.14	5200.160	5150 to 5250	Pass
			-30	3.6	5200.060	5150 to 5250	Pass
			-20	3.6	5200.100	5150 to 5250	Pass
			-10	3.6	5200.060	5150 to 5250	Pass
			0	3.6	5200.080	5150 to 5250	Pass



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			10	3.6	5200.040	5150 to 5250	Pass
			30	3.6	5200.040	5150 to 5250	Pass
			40	3.6	5200.040	5150 to 5250	Pass
			50	3.6	5200.060	5150 to 5250	Pass
	5240	20		3.06	5240.160	5150 to 5250	Pass
				3.6	5240.080	5150 to 5250	Pass
				4.14	5240.000	5150 to 5250	Pass
		-30		3.6	5240.020	5150 to 5250	Pass
				3.6	5240.080	5150 to 5250	Pass
				3.6	5240.080	5150 to 5250	Pass
		0		3.6	5240.040	5150 to 5250	Pass
				3.6	5240.040	5150 to 5250	Pass
				3.6	5240.020	5150 to 5250	Pass
		30		3.6	5240.060	5150 to 5250	Pass
				3.6	5240.080	5150 to 5250	Pass
				3.6	5240.080	5150 to 5250	Pass
	5260	20		3.06	5260.060	5250 to 5350	Pass
				3.6	5260.040	5250 to 5350	Pass
				4.14	5260.120	5250 to 5350	Pass
		-30		3.6	5260.020	5250 to 5350	Pass
				3.6	5260.060	5250 to 5350	Pass
				3.6	5260.040	5250 to 5350	Pass
		0		3.6	5260.080	5250 to 5350	Pass
				3.6	5260.120	5250 to 5350	Pass
				3.6	5260.040	5250 to 5350	Pass
		30		3.6	5260.060	5250 to 5350	Pass
				3.6	5260.060	5250 to 5350	Pass
				3.6	5259.980	5250 to 5350	Pass
	5300	20		3.06	5300.040	5250 to 5350	Pass
				3.6	5300.040	5250 to 5350	Pass
				4.14	5299.980	5250 to 5350	Pass
		-30		3.6	5300.020	5250 to 5350	Pass
				3.6	5300.060	5250 to 5350	Pass
				3.6	5300.100	5250 to 5350	Pass
		0		3.6	5300.020	5250 to 5350	Pass
				3.6	5300.040	5250 to 5350	Pass
				3.6	5300.040	5250 to 5350	Pass
		30		3.6	5300.080	5250 to 5350	Pass
				3.6	5300.080	5250 to 5350	Pass
				3.6	5300.060	5250 to 5350	Pass
	5320	20		3.06	5320.020	5250 to 5350	Pass
				3.6	5320.060	5250 to 5350	Pass
				4.14	5319.980	5250 to 5350	Pass



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			-30	3.6	5320.040	5250 to 5350	Pass
			-20	3.6	5320.020	5250 to 5350	Pass
			-10	3.6	5320.020	5250 to 5350	Pass
			0	3.6	5320.040	5250 to 5350	Pass
			10	3.6	5320.020	5250 to 5350	Pass
			30	3.6	5319.940	5250 to 5350	Pass
			40	3.6	5320.000	5250 to 5350	Pass
			50	3.6	5320.060	5250 to 5350	Pass
		5500	20	3.06	5500.040	5470 to 5725	Pass
				3.6	5500.040	5470 to 5725	Pass
				4.14	5500.040	5470 to 5725	Pass
			-30	3.6	5500.020	5470 to 5725	Pass
			-20	3.6	5500.060	5470 to 5725	Pass
			-10	3.6	5500.060	5470 to 5725	Pass
			0	3.6	5500.040	5470 to 5725	Pass
			10	3.6	5499.960	5470 to 5725	Pass
			30	3.6	5500.040	5470 to 5725	Pass
			40	3.6	5500.020	5470 to 5725	Pass
			50	3.6	5500.020	5470 to 5725	Pass
		5580	20	3.06	5580.120	5470 to 5725	Pass
				3.6	5580.040	5470 to 5725	Pass
				4.14	5580.020	5470 to 5725	Pass
			-30	3.6	5580.040	5470 to 5725	Pass
			-20	3.6	5580.060	5470 to 5725	Pass
			-10	3.6	5580.020	5470 to 5725	Pass
			0	3.6	5580.060	5470 to 5725	Pass
			10	3.6	5579.980	5470 to 5725	Pass
			30	3.6	5580.040	5470 to 5725	Pass
			40	3.6	5580.040	5470 to 5725	Pass
			50	3.6	5580.040	5470 to 5725	Pass
		5700	20	3.06	5700.060	5470 to 5725	Pass
				3.6	5700.040	5470 to 5725	Pass
				4.14	5700.120	5470 to 5725	Pass
			-30	3.6	5700.020	5470 to 5725	Pass
			-20	3.6	5700.040	5470 to 5725	Pass
			-10	3.6	5699.960	5470 to 5725	Pass
			0	3.6	5700.040	5470 to 5725	Pass
			10	3.6	5699.940	5470 to 5725	Pass
			30	3.6	5700.020	5470 to 5725	Pass
			40	3.6	5700.020	5470 to 5725	Pass



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		5745	50	3.6	5700.060	5470 to 5725	Pass
			20	3.06	5745.060	5725 to 5850	Pass
				3.6	5745.020	5725 to 5850	Pass
				4.14	5745.080	5725 to 5850	Pass
				4.14	5745.080	5725 to 5850	Pass
			-30	3.6	5745.060	5725 to 5850	Pass
			-20	3.6	5745.060	5725 to 5850	Pass
			-10	3.6	5745.080	5725 to 5850	Pass
			0	3.6	5745.020	5725 to 5850	Pass
			10	3.6	5745.040	5725 to 5850	Pass
			30	3.6	5745.040	5725 to 5850	Pass
			40	3.6	5745.040	5725 to 5850	Pass
			50	3.6	5745.040	5725 to 5850	Pass
		5785	20	3.06	5785.100	5725 to 5850	Pass
				3.6	5785.040	5725 to 5850	Pass
				4.14	5785.100	5725 to 5850	Pass
			-30	3.6	5785.040	5725 to 5850	Pass
			-20	3.6	5785.060	5725 to 5850	Pass
			-10	3.6	5785.000	5725 to 5850	Pass
			0	3.6	5785.080	5725 to 5850	Pass
			10	3.6	5785.060	5725 to 5850	Pass
			30	3.6	5785.080	5725 to 5850	Pass
			40	3.6	5785.040	5725 to 5850	Pass
			50	3.6	5785.080	5725 to 5850	Pass
		5825	20	3.06	5825.040	5725 to 5850	Pass
				3.6	5825.000	5725 to 5850	Pass
				4.14	5825.140	5725 to 5850	Pass
			-30	3.6	5824.980	5725 to 5850	Pass
			-20	3.6	5825.060	5725 to 5850	Pass
			-10	3.6	5825.060	5725 to 5850	Pass
			0	3.6	5825.040	5725 to 5850	Pass
			10	3.6	5825.040	5725 to 5850	Pass
			30	3.6	5825.060	5725 to 5850	Pass
			40	3.6	5824.960	5725 to 5850	Pass
			50	3.6	5825.060	5725 to 5850	Pass



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7. DFS(Dynamic Frequency Selection)

Test Result:

Item	Tested Bandwidth and Channel		Limit	Result
	Bandwidth (MHz) / mode	Frequency (MHz) / Channel No.		
Channel Move Time	80/ 802.11n 80/ 802.11n	5320 / 64 5500 / 100	≤ 10sec	Pass
Channel Closing Transmission Time	80/ 802.11n 80/ 802.11n	5320 / 64 5500 / 100	≤ 200ms + aggregate of 60ms over remaining 10sec period	Pass



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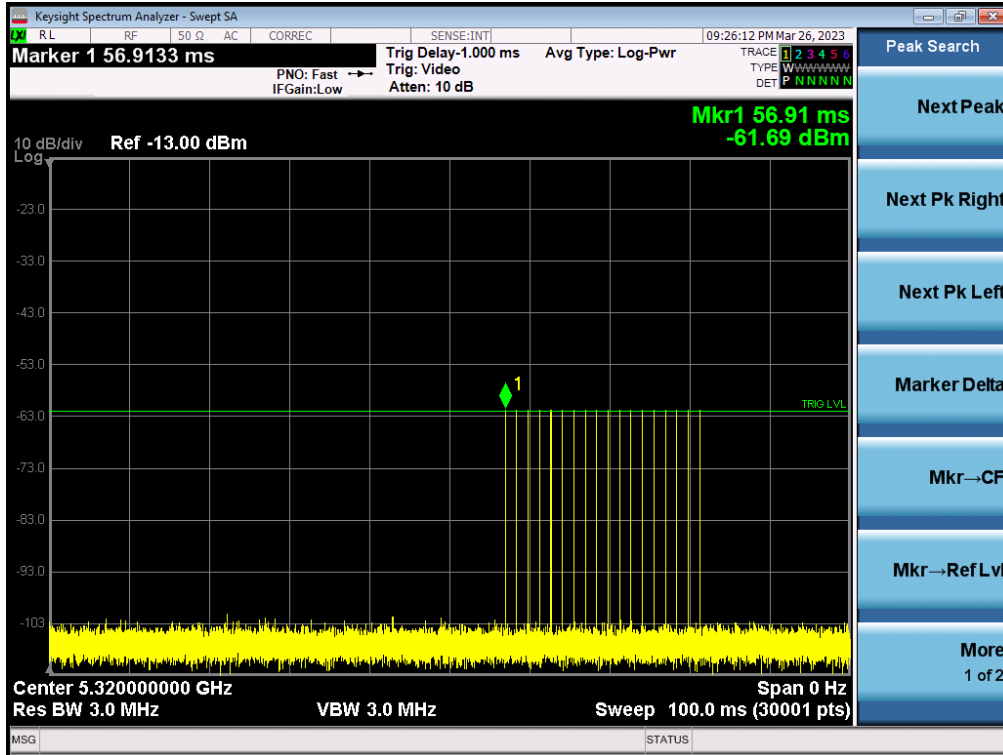
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Radar:



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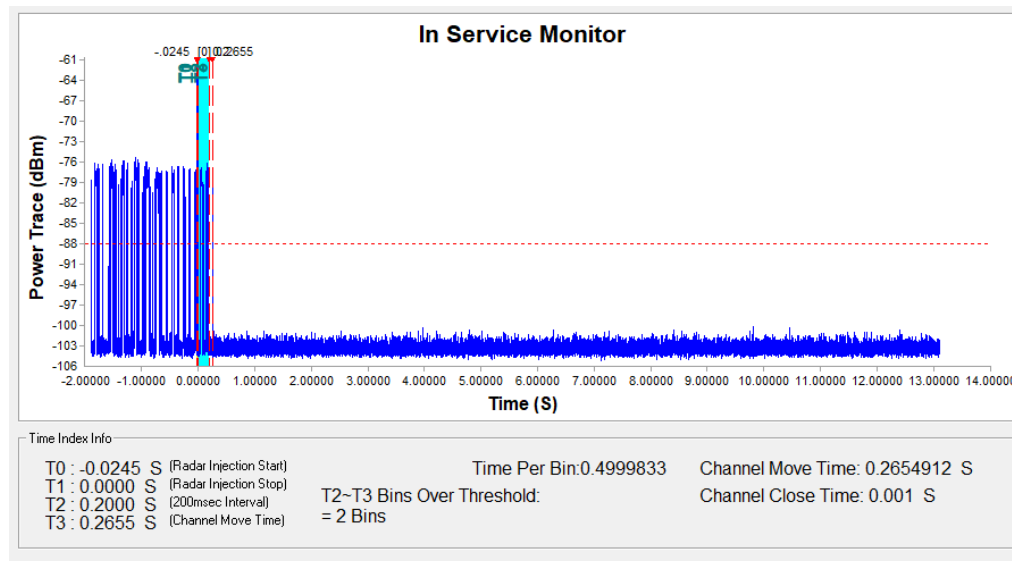
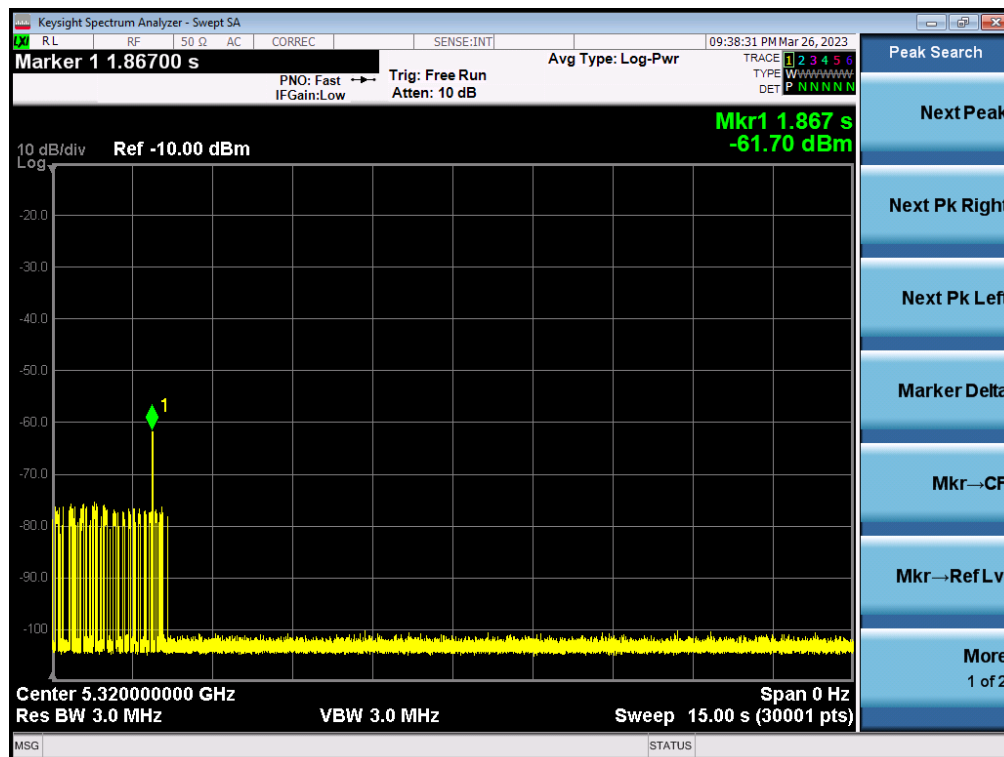
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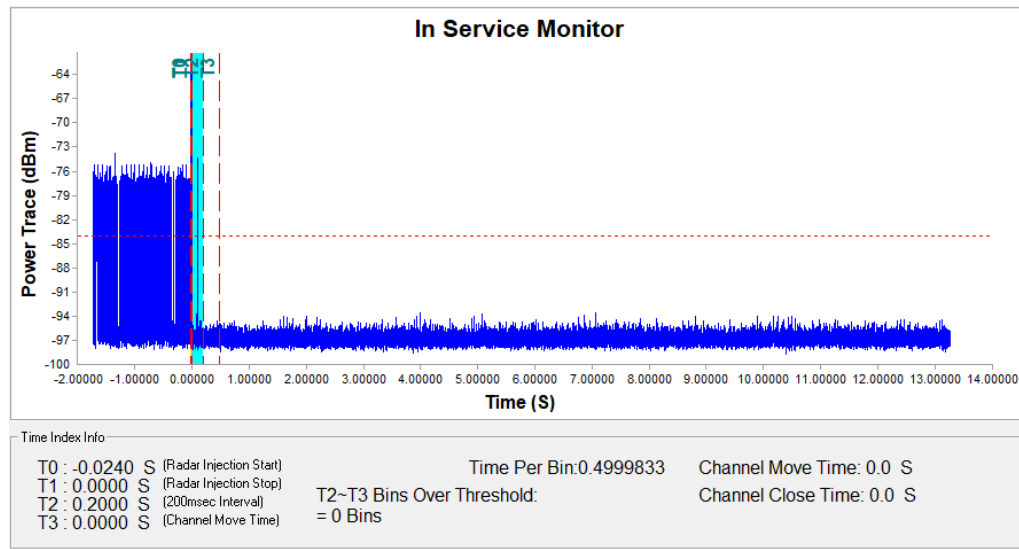
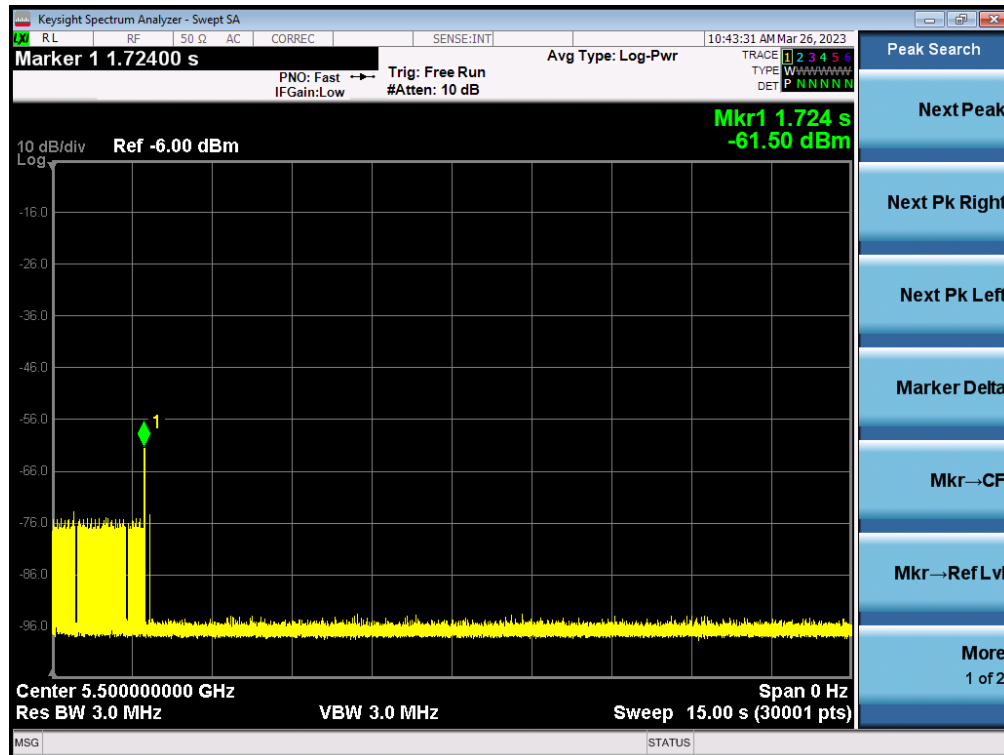
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Channel Move Time, Channel Closing Transmission Time

5320MHz:



5500MHz:



- End of the Report -

