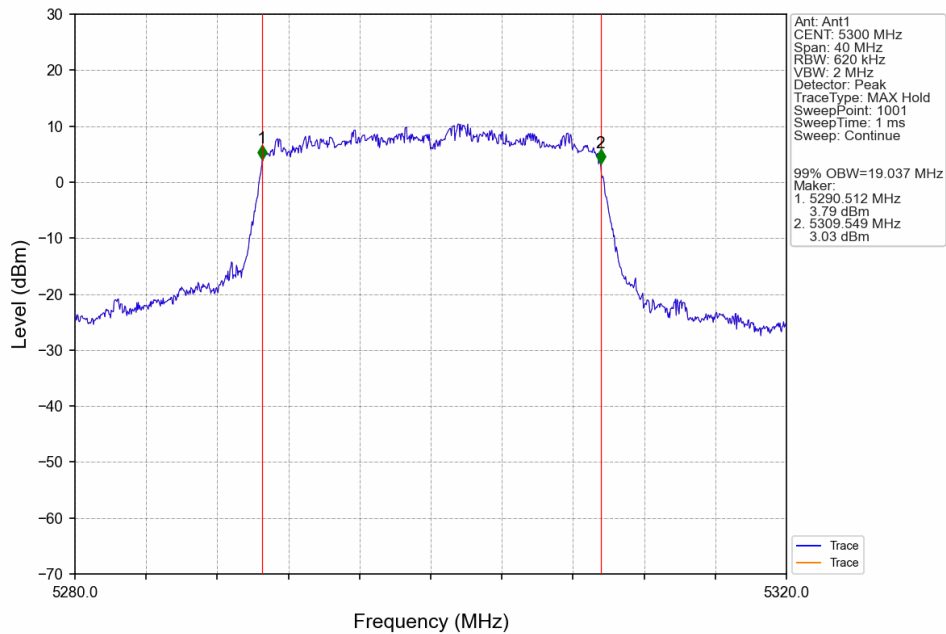
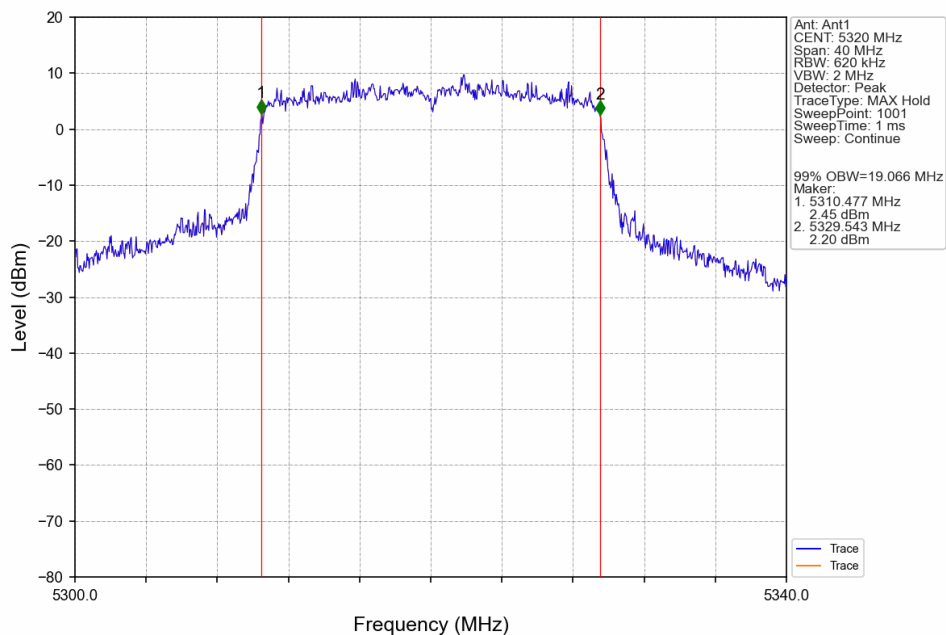


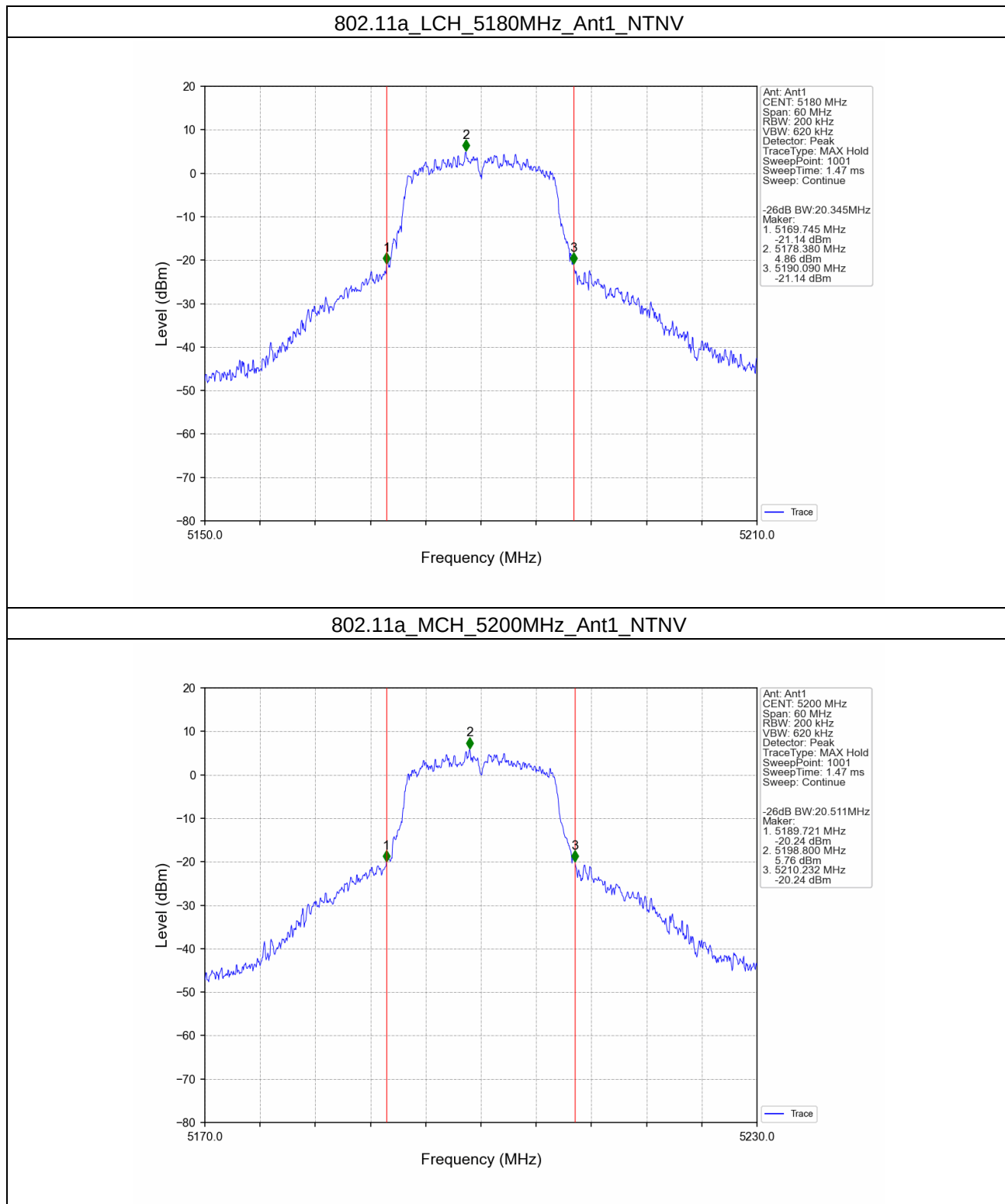
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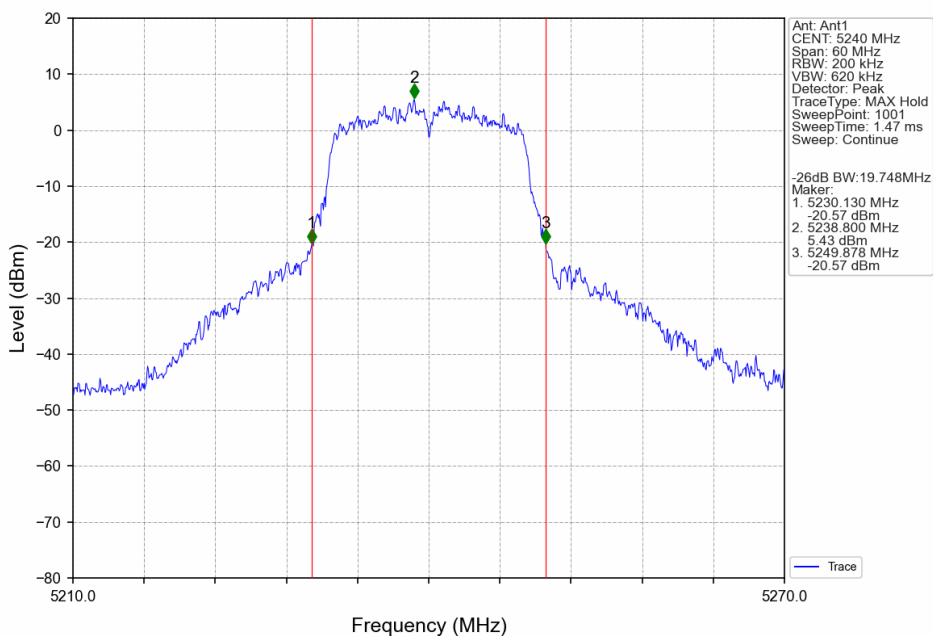
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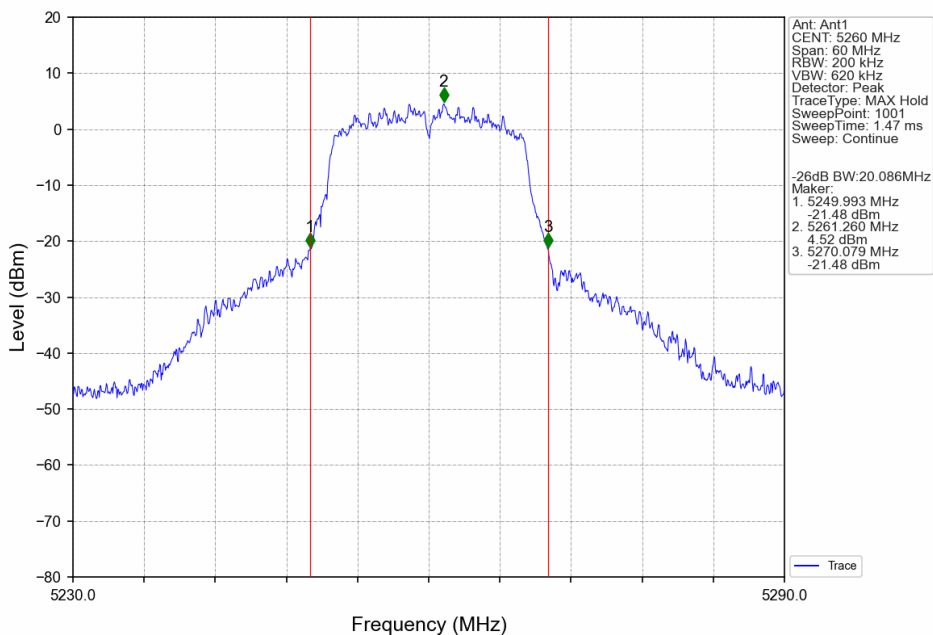
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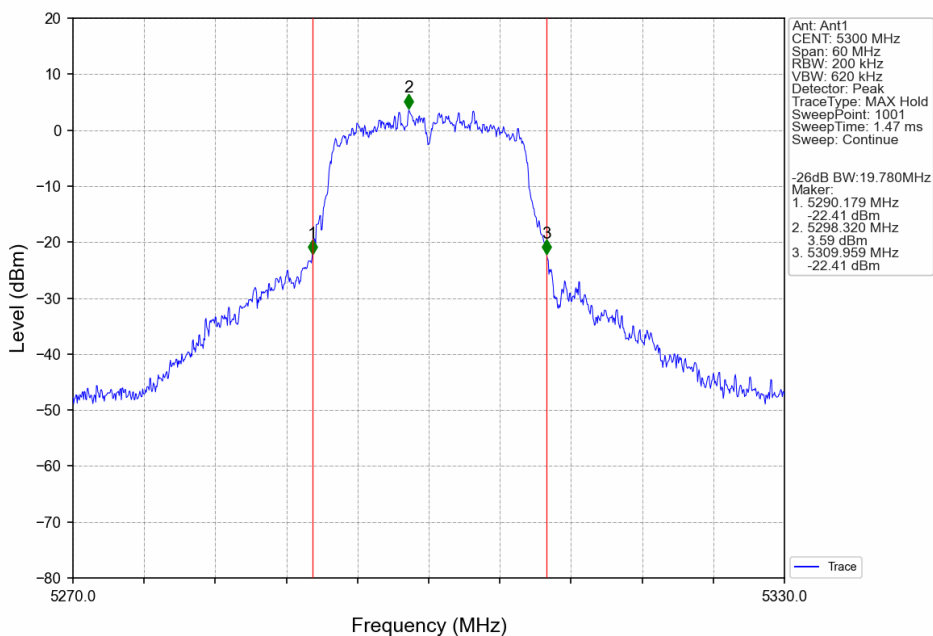
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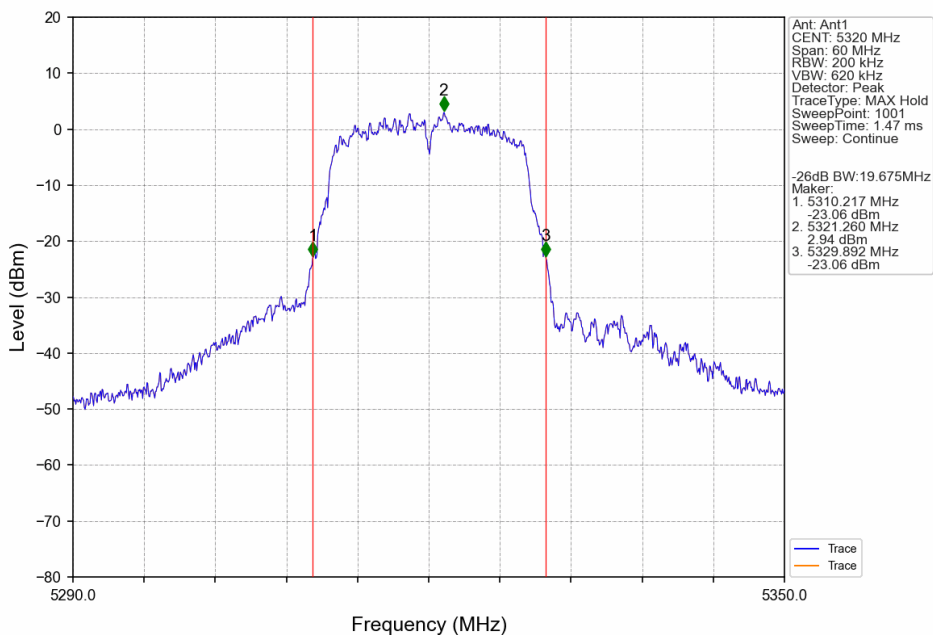
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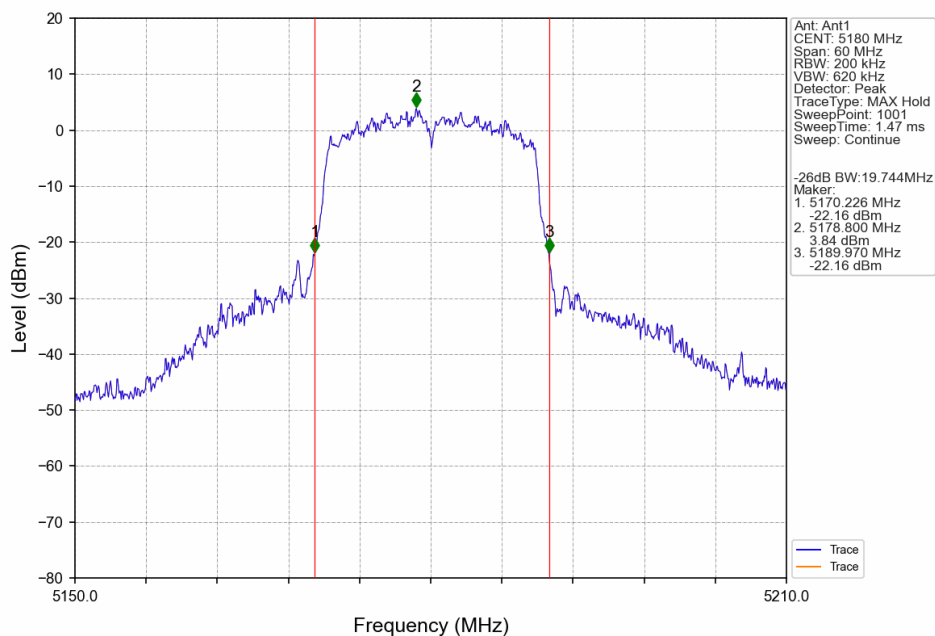
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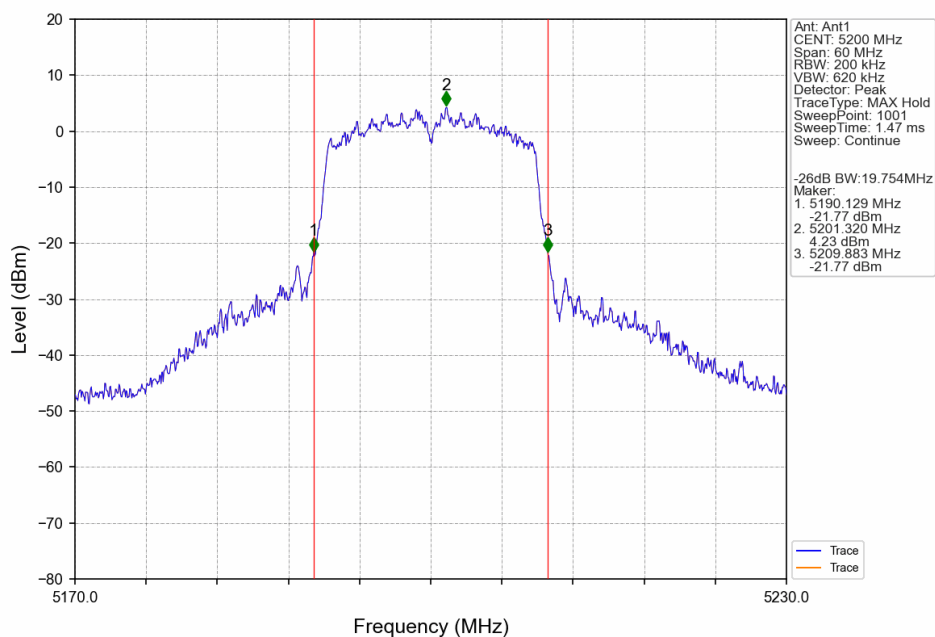
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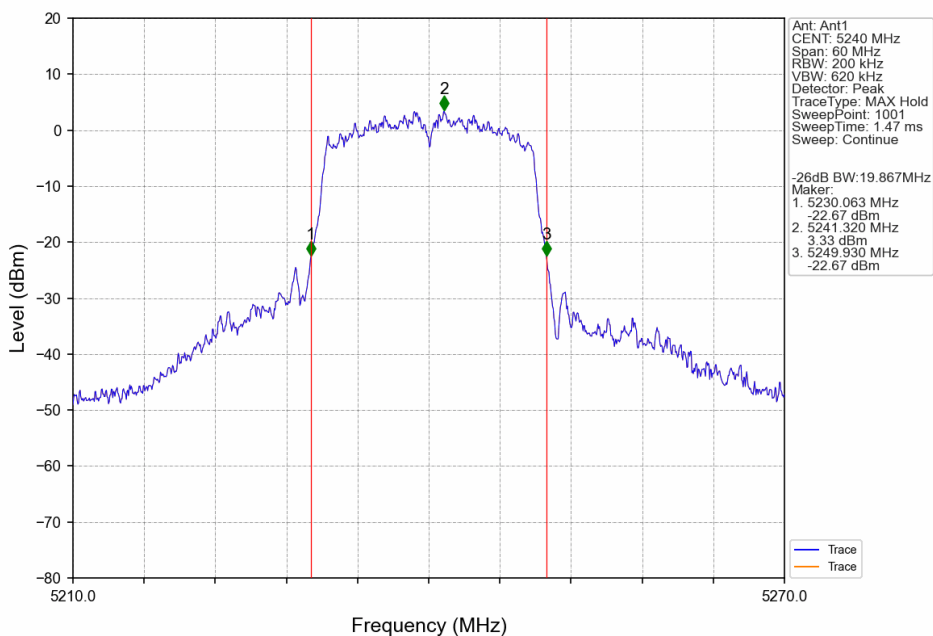
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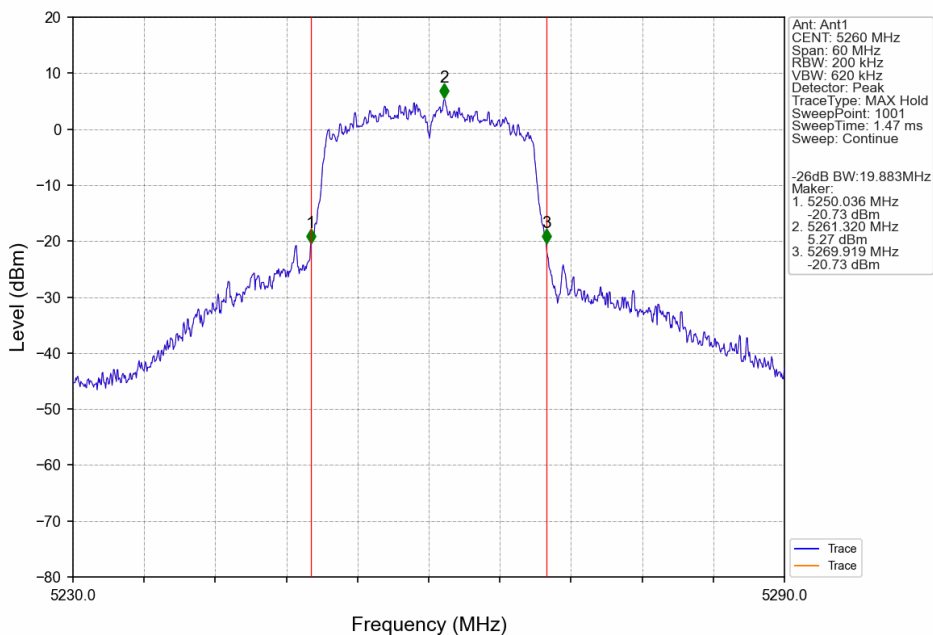
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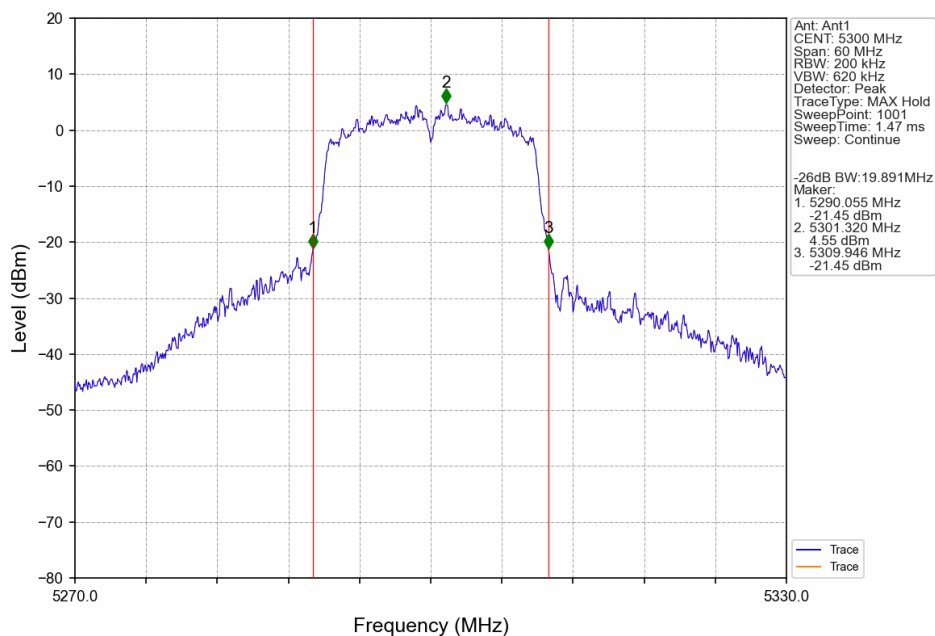
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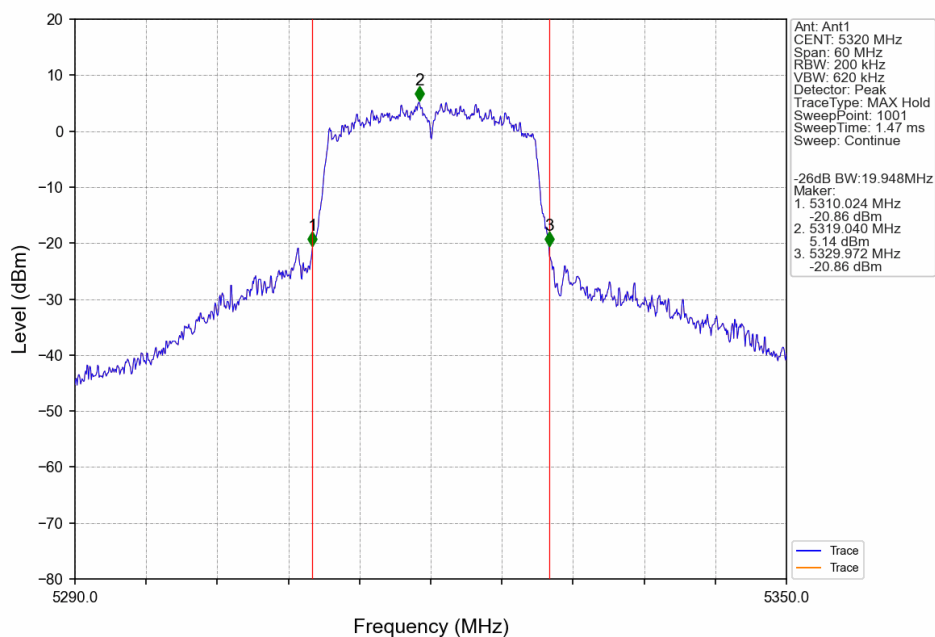
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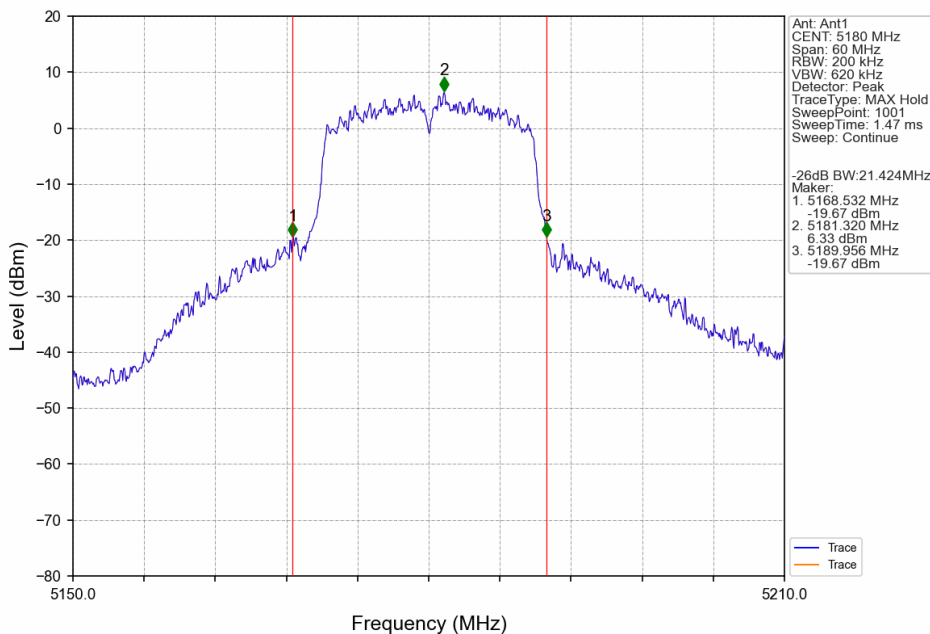
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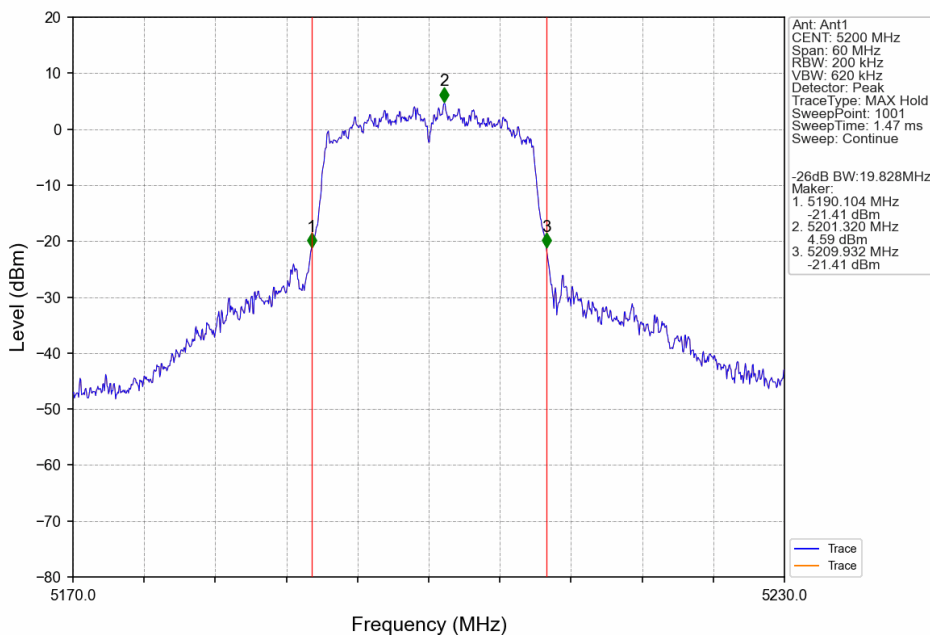
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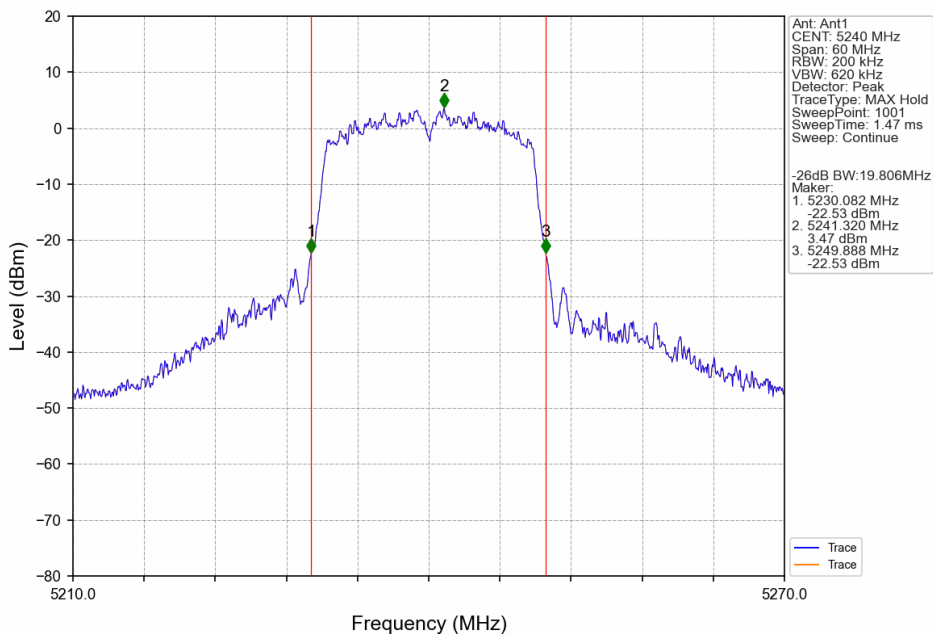
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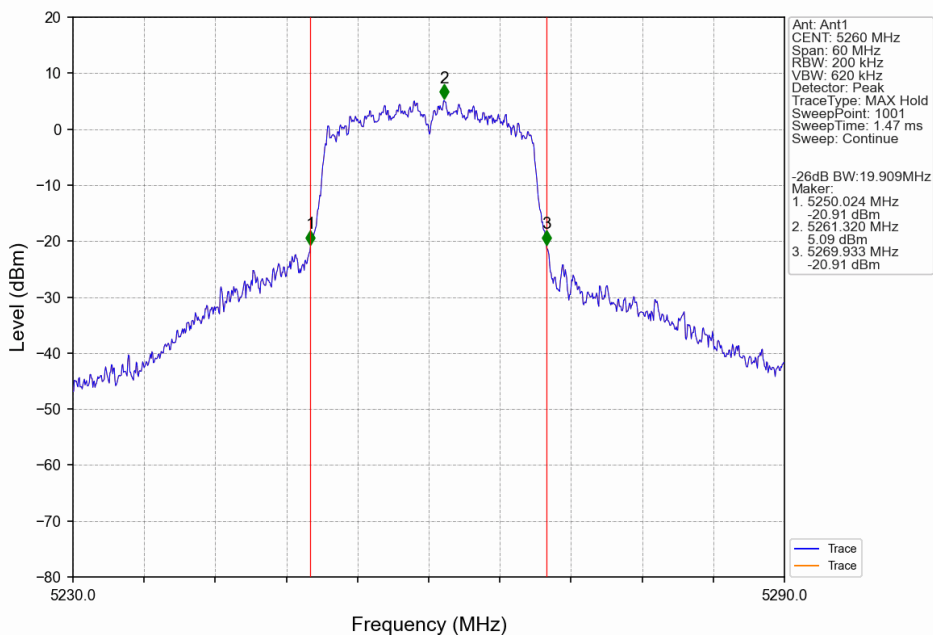
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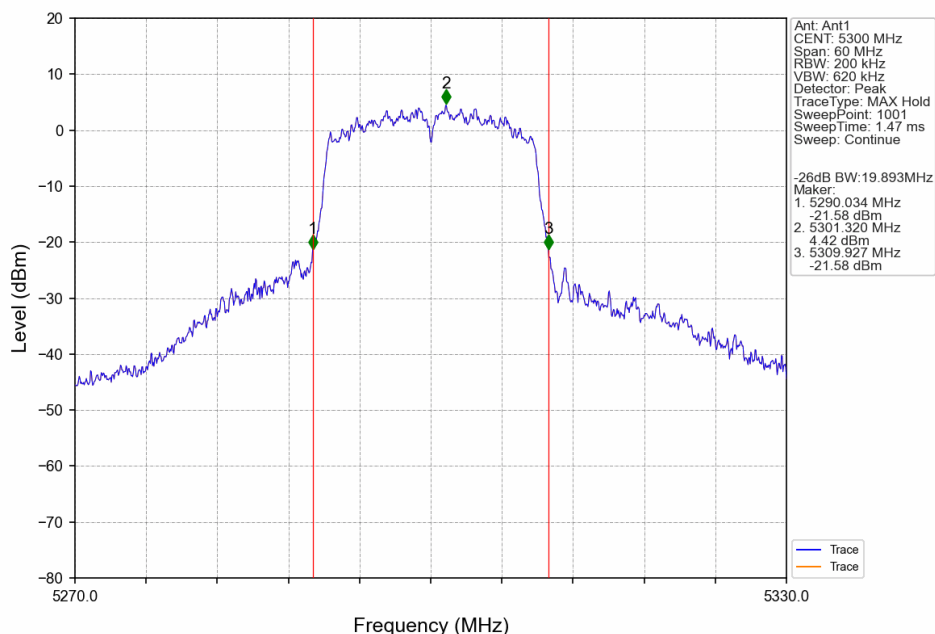
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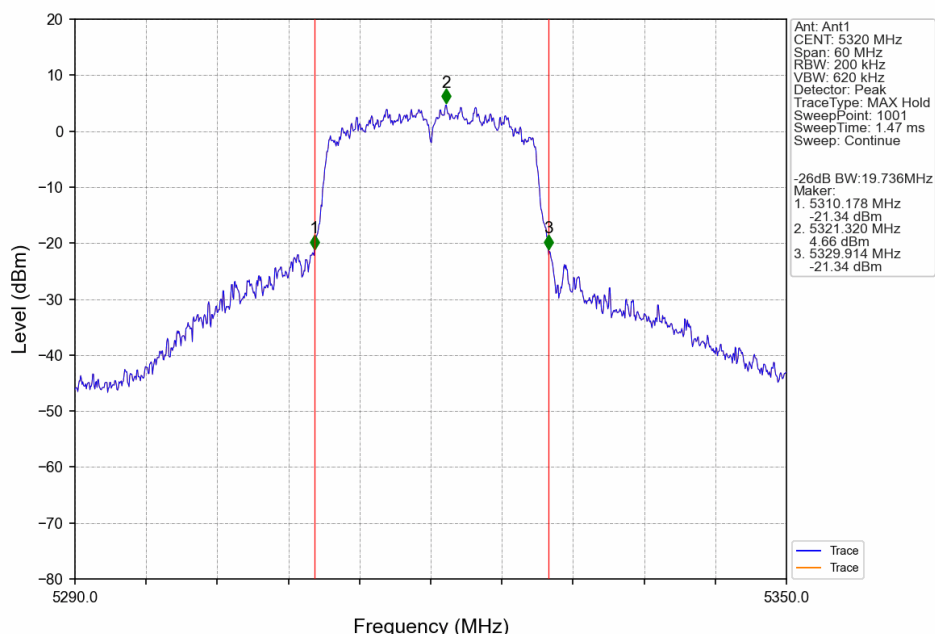
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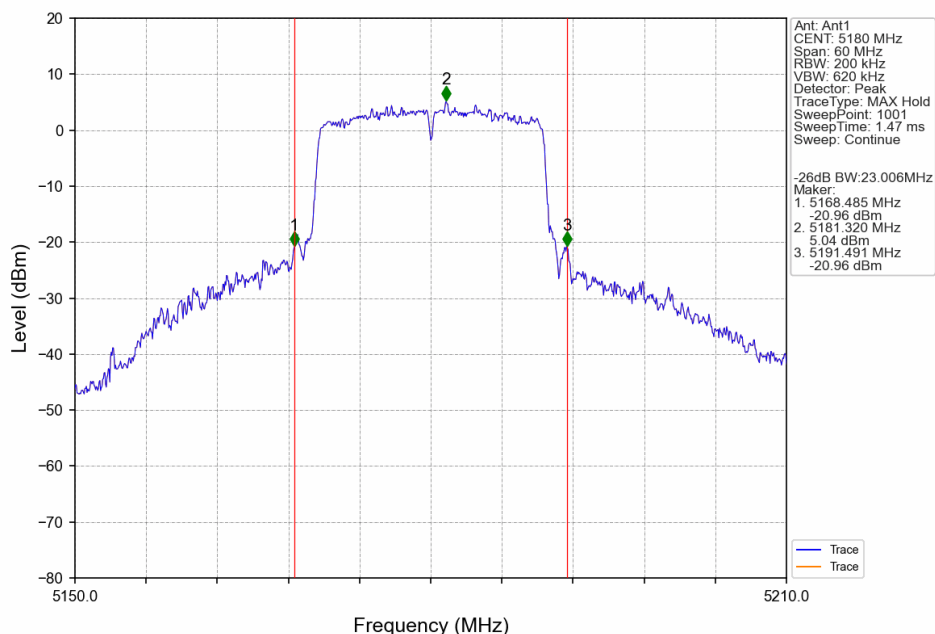
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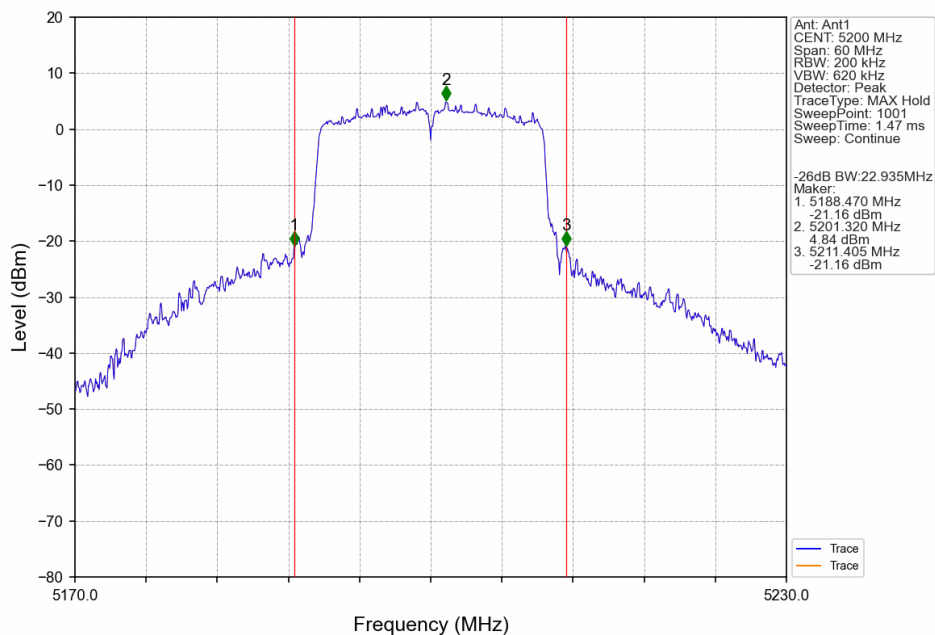
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802.11ax(HEW20)_LCH_5180MHz_SU_Ant1_NTNV



802.11ax(HEW20)_MCH_5200MHz_SU_Ant1_NTNV



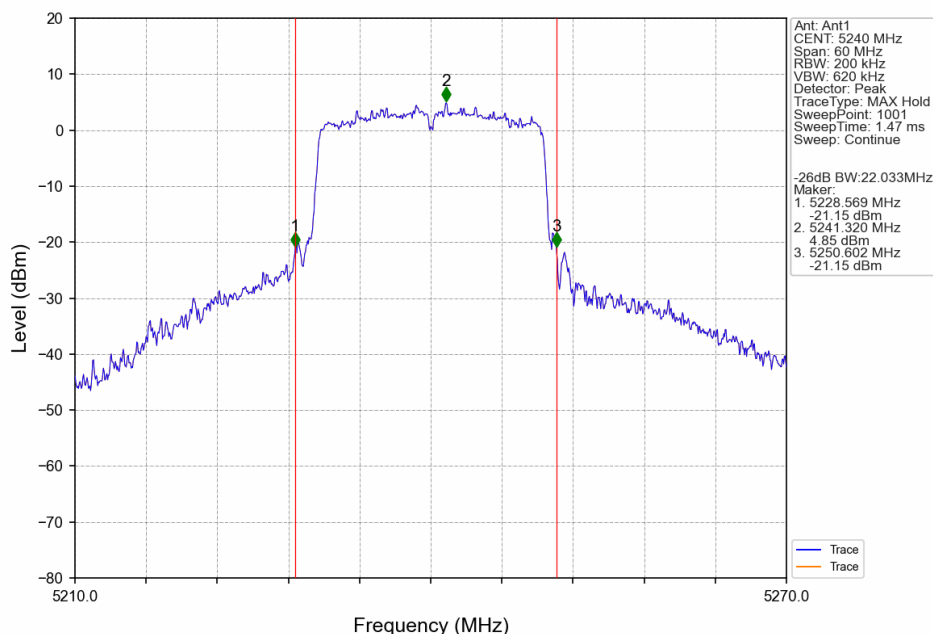
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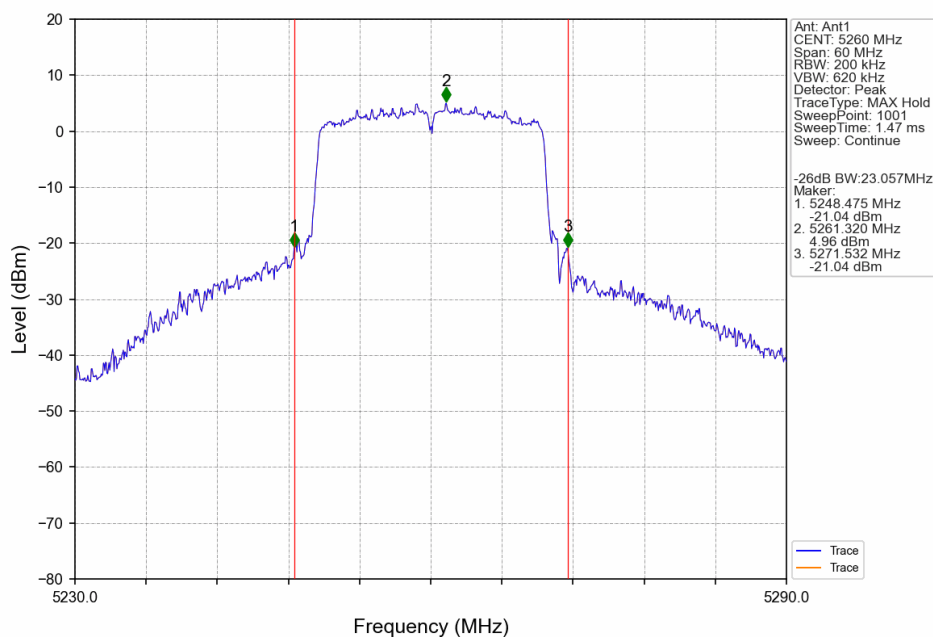
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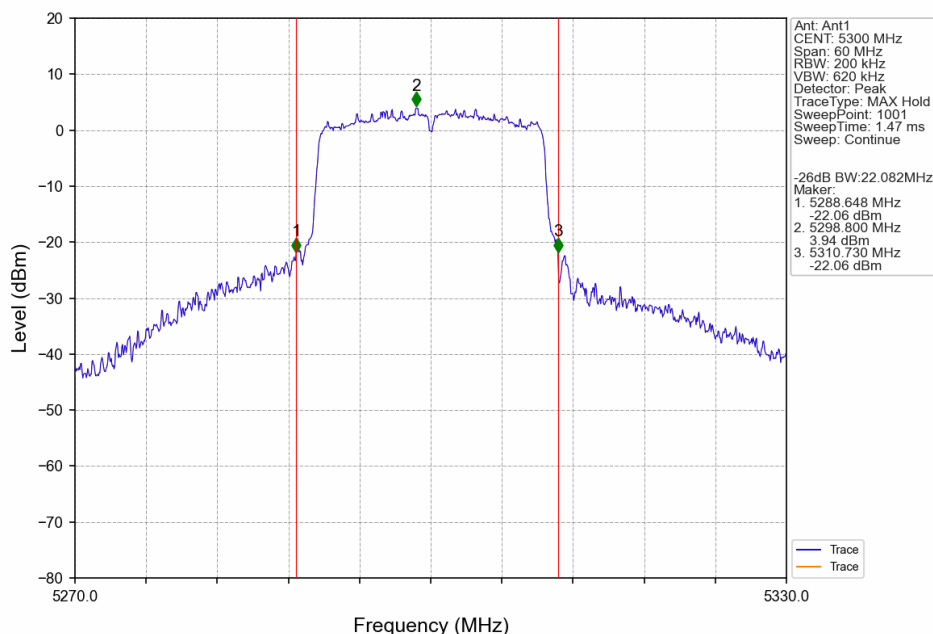
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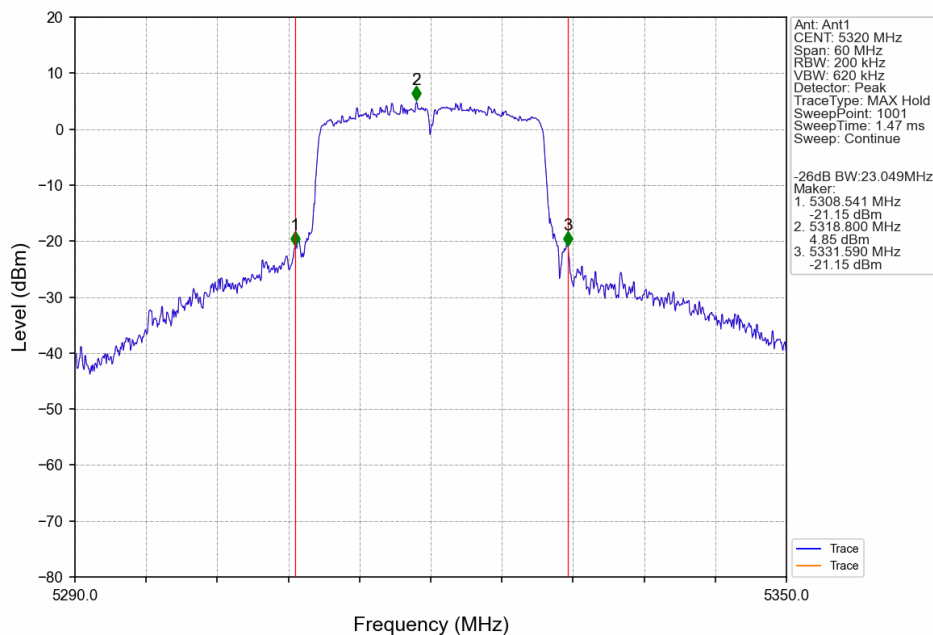
802.11ax(HEW20)_LCH_5260MHz_SU_Ant1_NTNV



802.11ax(HEW20)_MCH_5300MHz_SU_Ant1_NTNV



802.11ax(HEW20)_HCH_5320MHz_SU_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	Maximum Average Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
802.11a	SISO	5180	/	13.41	≤23.98	Pass
		5200	/	13.78	≤23.98	Pass
		5240	/	13.44	≤23.98	Pass
		5260	/	13.18	≤23.98	Pass
		5300	/	13.79	≤23.96	Pass
		5320	/	13.54	≤23.94	Pass
802.11n (HT20)	SISO	5180	/	13.75	≤23.98	Pass
		5200	/	13.93	≤23.98	Pass
		5240	/	12.57	≤23.98	Pass
		5260	/	13.12	≤23.98	Pass
		5300	/	12.56	≤23.98	Pass
		5320	/	13.46	≤23.98	Pass
802.11ac (VHT20)	SISO	5180	/	12.84	≤23.98	Pass
		5200	/	12.41	≤23.98	Pass
		5240	/	13.09	≤23.98	Pass
		5260	/	13.38	≤23.98	Pass
		5300	/	12.73	≤23.98	Pass
		5320	/	12.93	≤23.95	Pass
802.11ax (HEW20)	SISO	5180	SU	13.60	≤23.98	Pass
		5200	SU	13.54	≤23.98	Pass
		5240	SU	12.95	≤23.98	Pass
		5260	SU	13.75	≤23.98	Pass
		5300	SU	12.94	≤23.98	Pass
		5320	SU	13.64	≤23.98	Pass



4. Maximum Power Spectral Density

4.1 Test Result

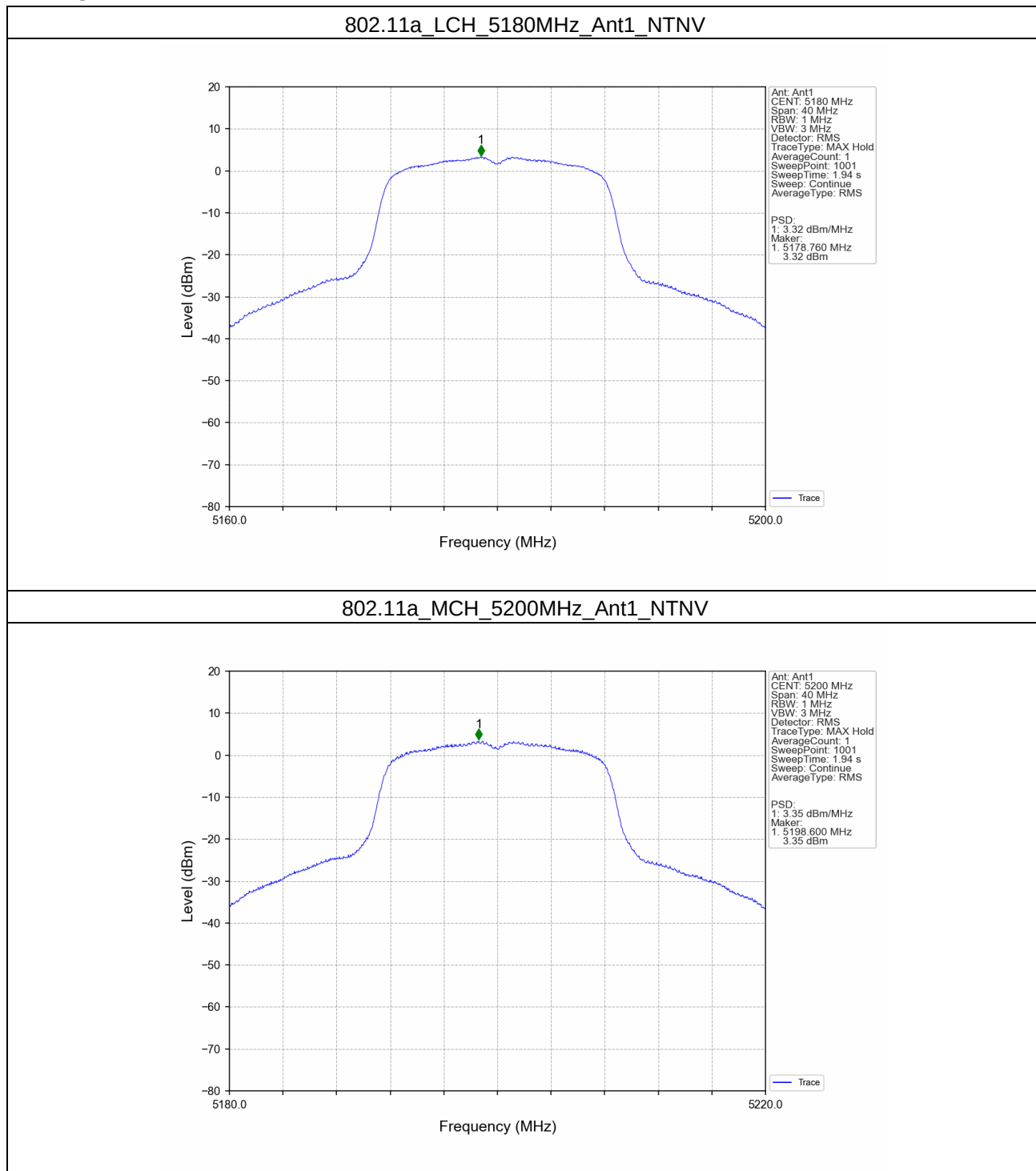
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	Maximum PSD (dBm/MHz)		Verdict
				ANT1	Limit	
802.11a	SISO	5180	/	3.32	<=11	Pass
		5200	/	3.35	<=11	Pass
		5240	/	1.73	<=11	Pass
		5260	/	-1.86	<=11	Pass
		5300	/	3.22	<=11	Pass
		5320	/	2.91	<=11	Pass
802.11n (HT20)	SISO	5180	/	3.32	<=11	Pass
		5200	/	3.48	<=11	Pass
		5240	/	2.69	<=11	Pass
		5260	/	2.72	<=11	Pass
		5300	/	2.37	<=11	Pass
		5320	/	3.03	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	2.22	<=11	Pass
		5200	/	2.25	<=11	Pass
		5240	/	2.75	<=11	Pass
		5260	/	2.69	<=11	Pass
		5300	/	2.17	<=11	Pass
		5320	/	2.36	<=11	Pass
802.11ax (HEW20)	SISO	5180	SU	2.52	<=11	Pass
		5200	SU	2.34	<=11	Pass
		5240	SU	1.95	<=11	Pass
		5260	SU	2.70	<=11	Pass
		5300	SU	2.02	<=11	Pass
		5320	SU	2.52	<=11	Pass

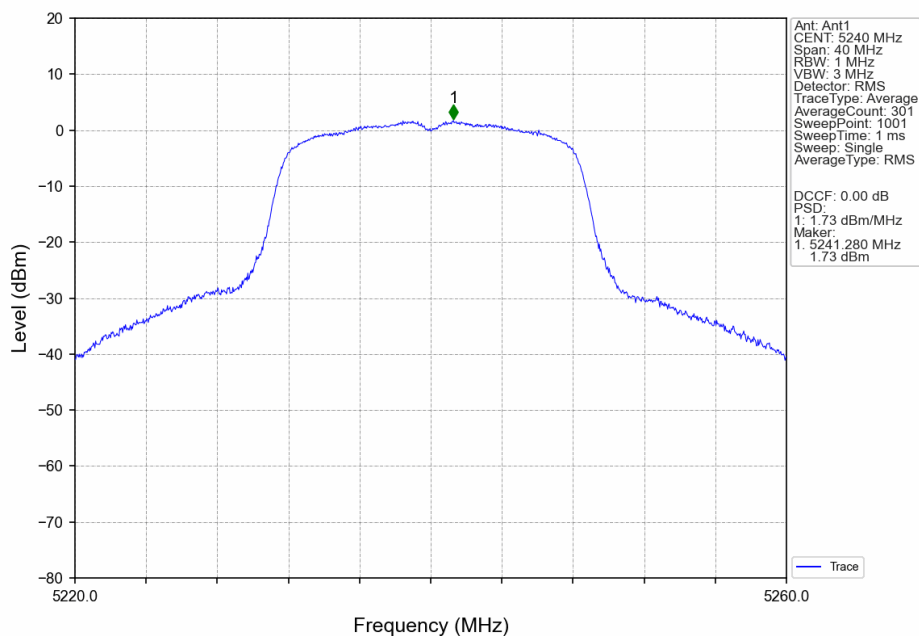


4.2 Test Graph

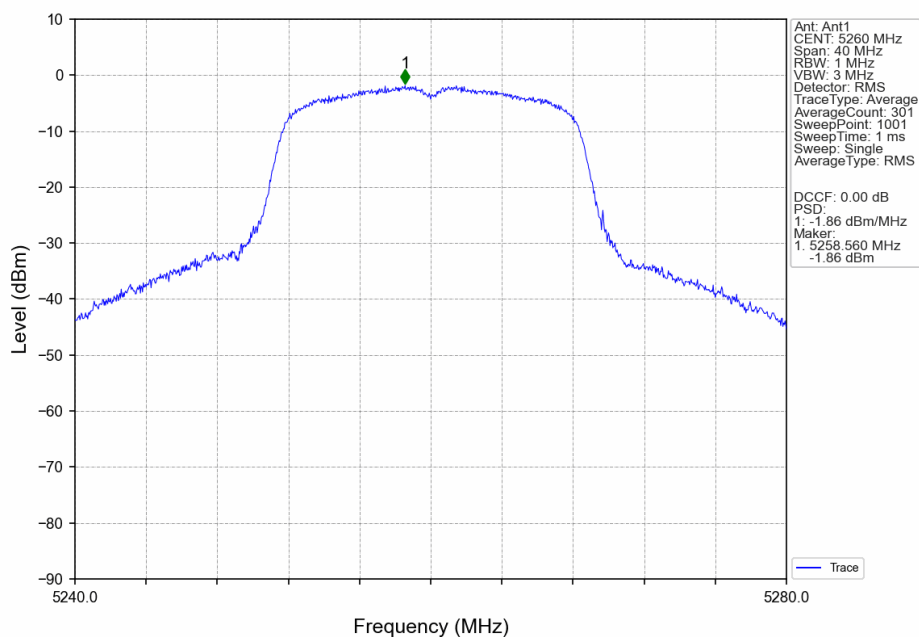
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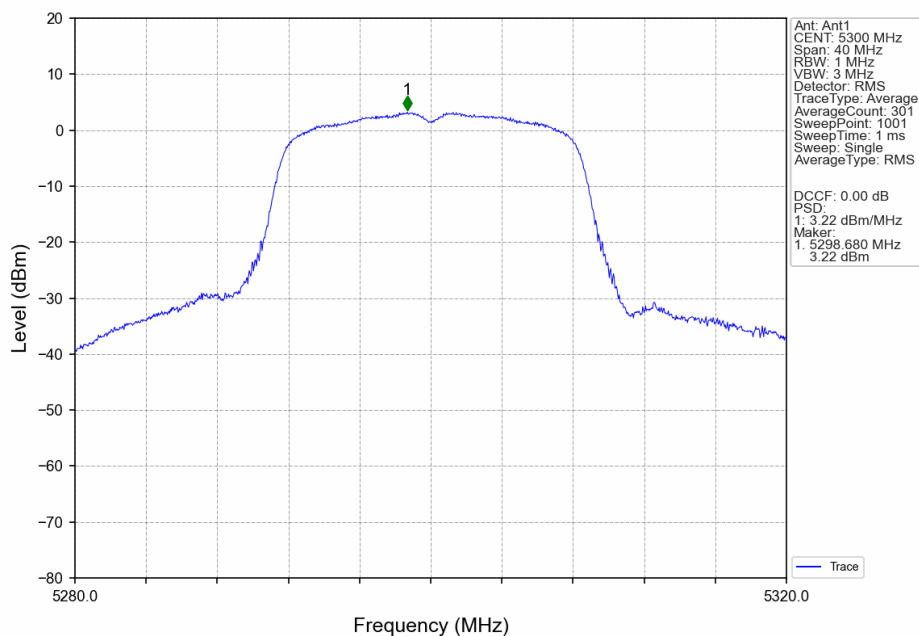
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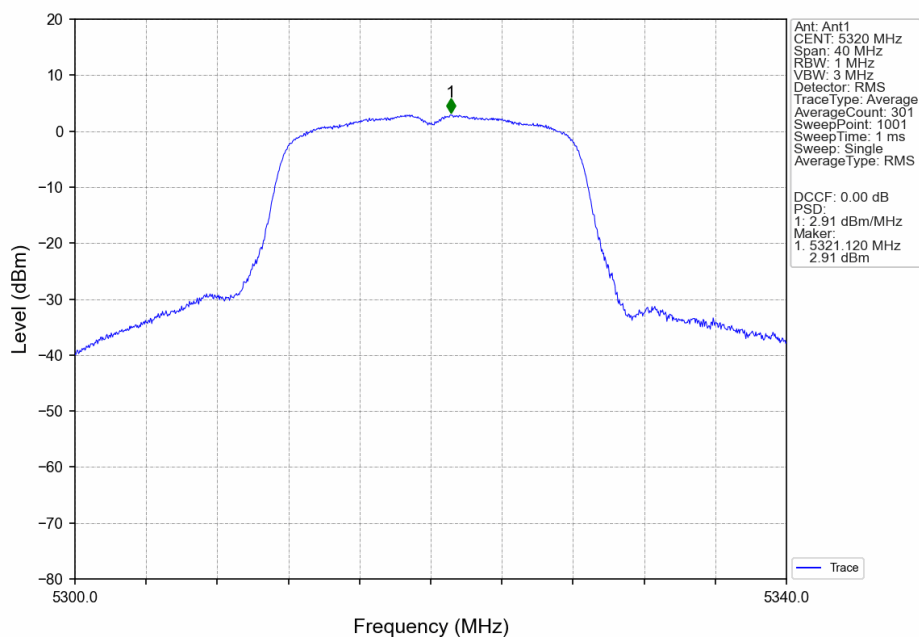
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802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV



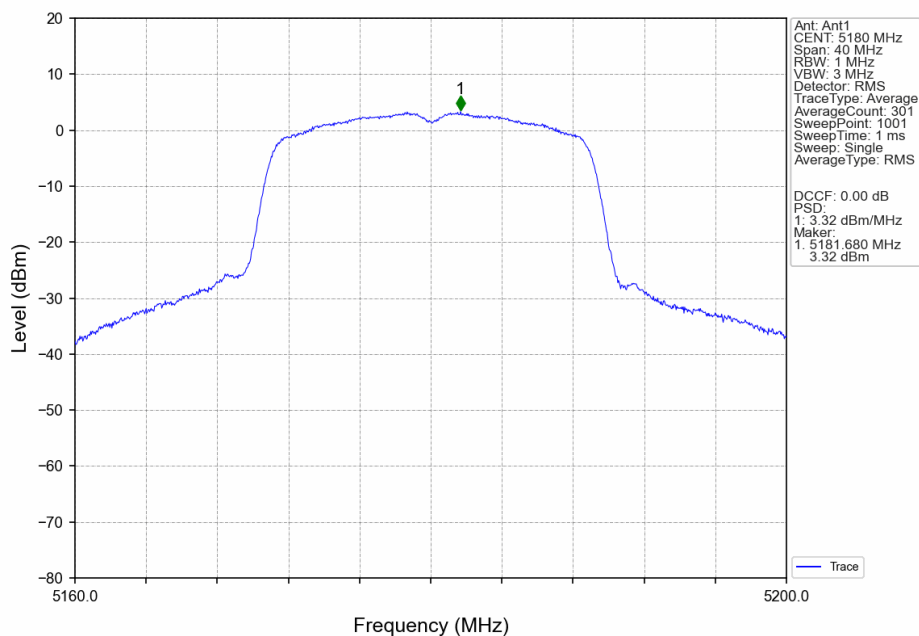
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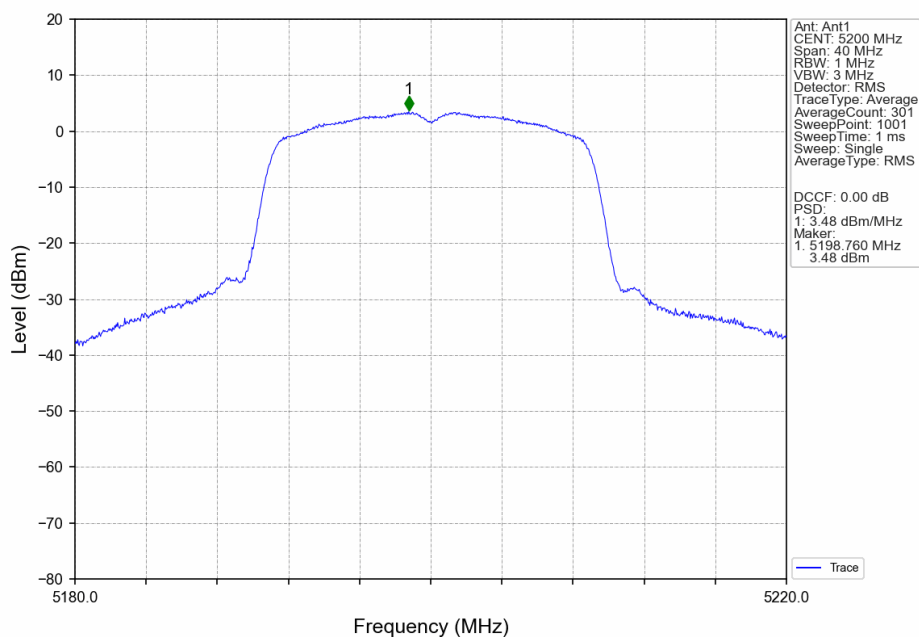
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



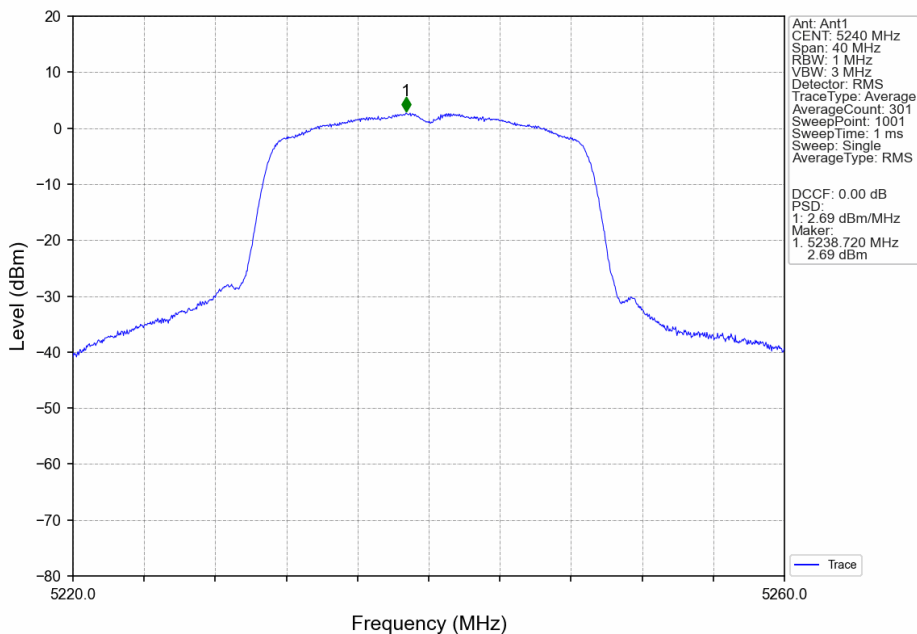
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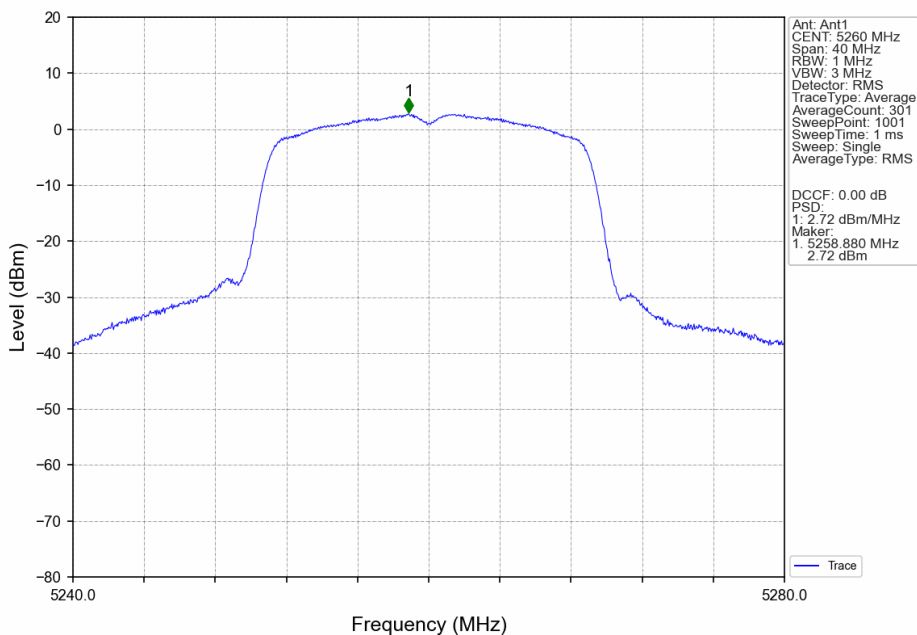
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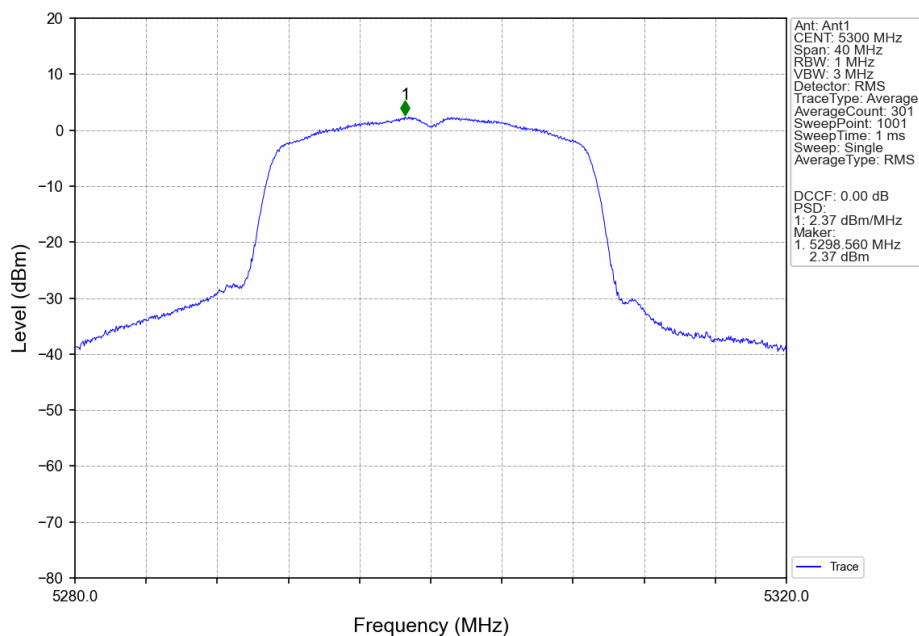
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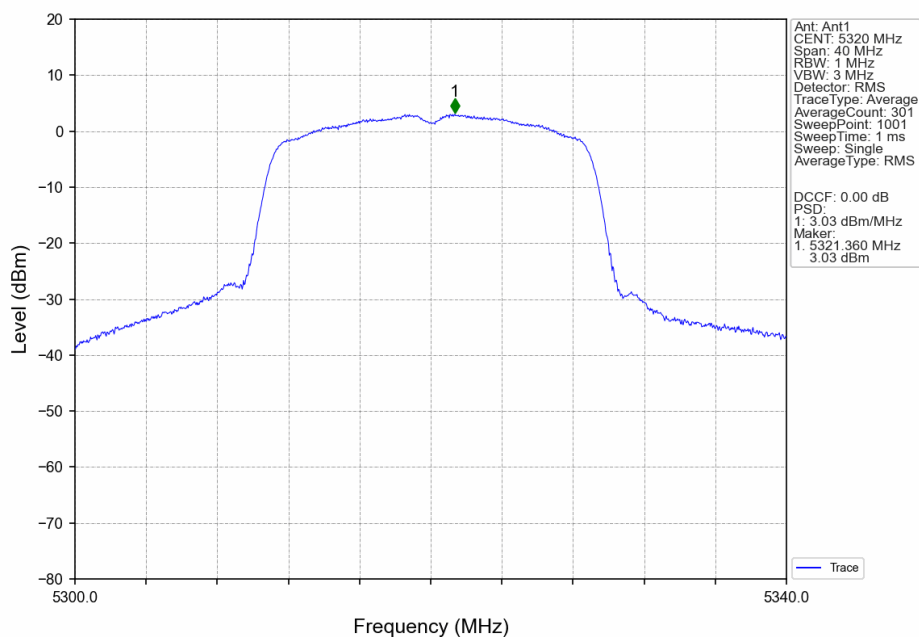
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



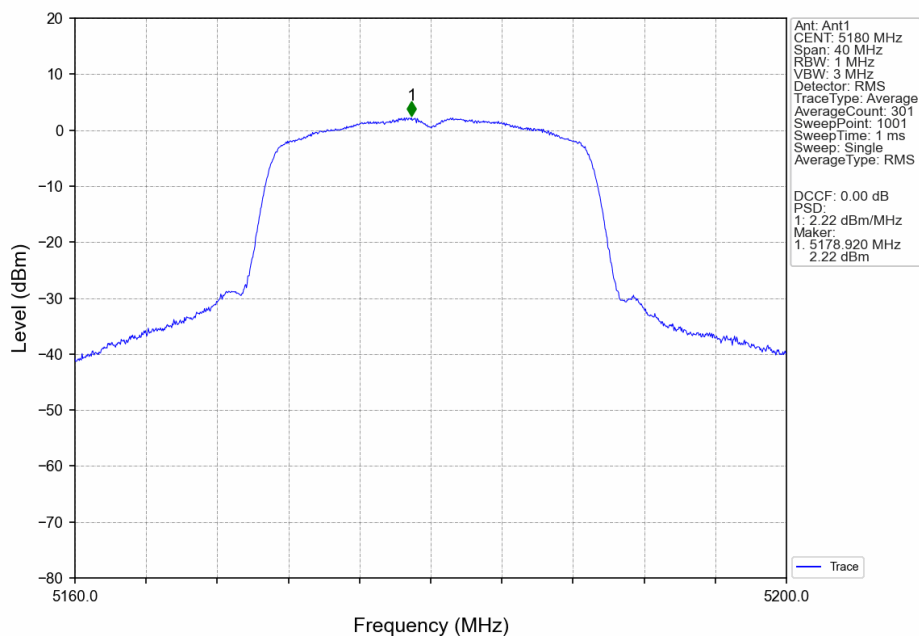
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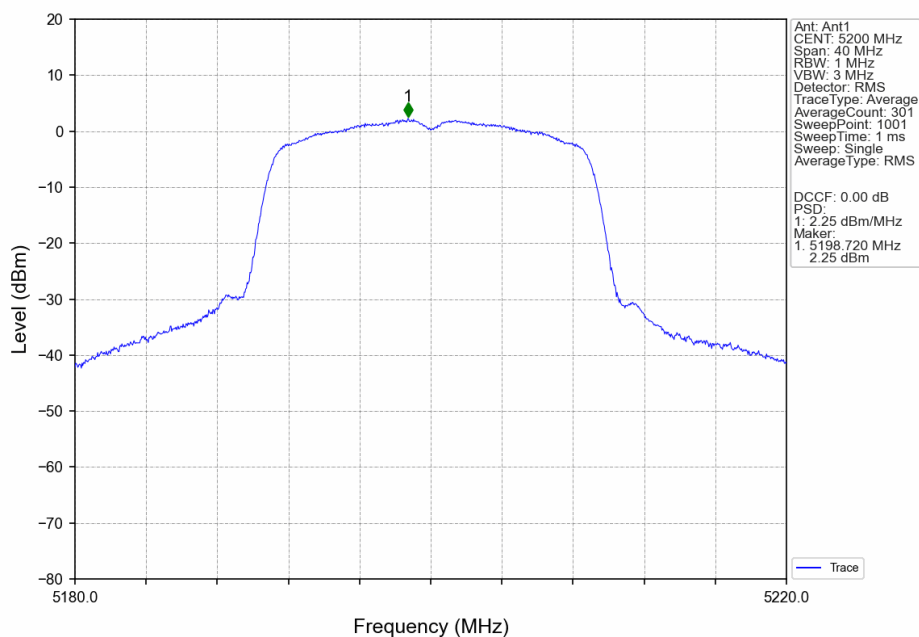
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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



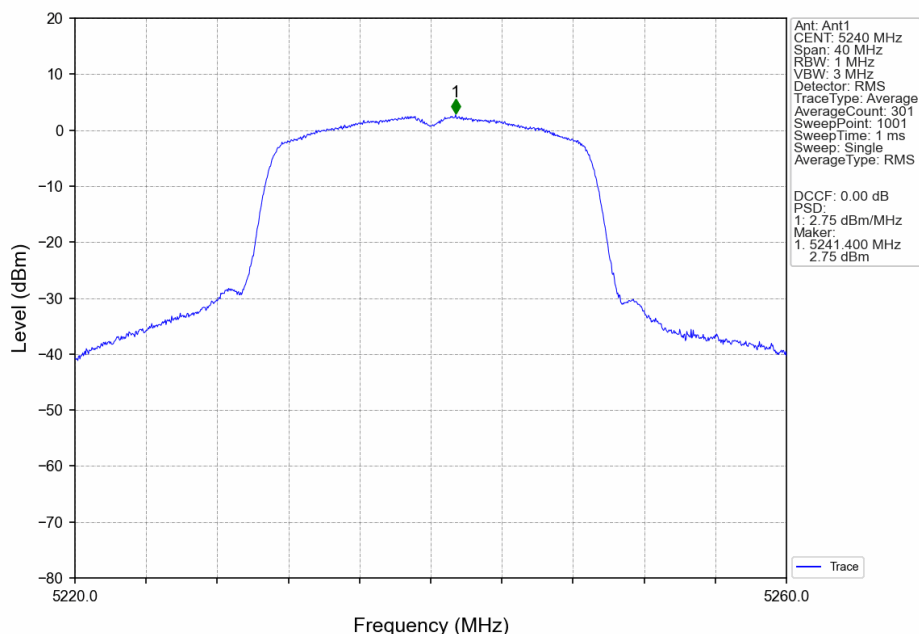
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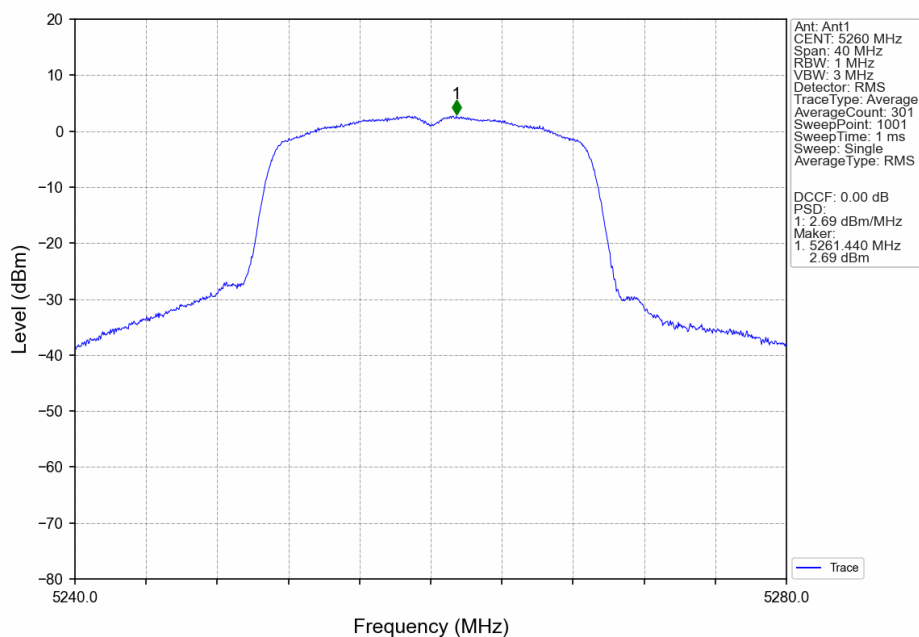
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802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



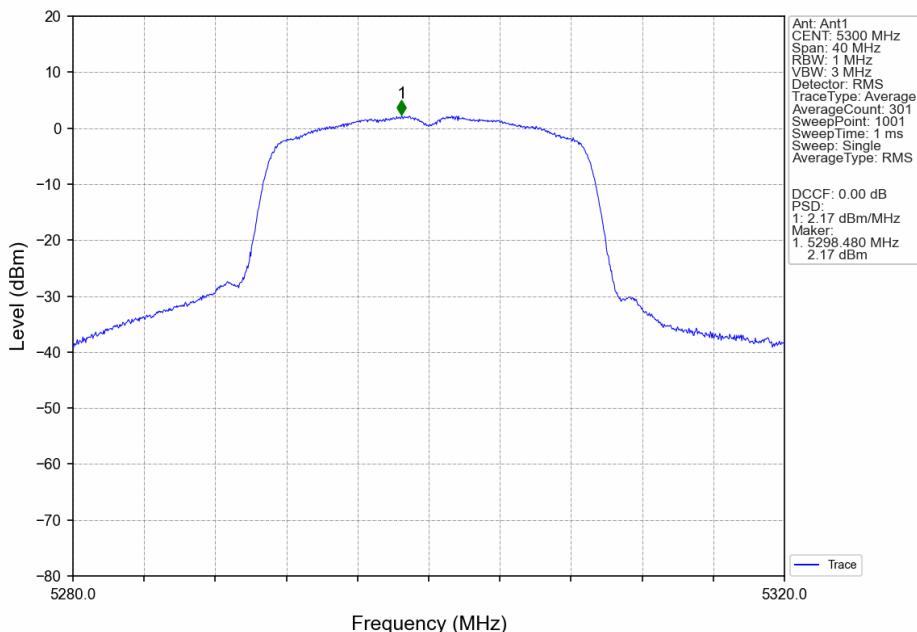
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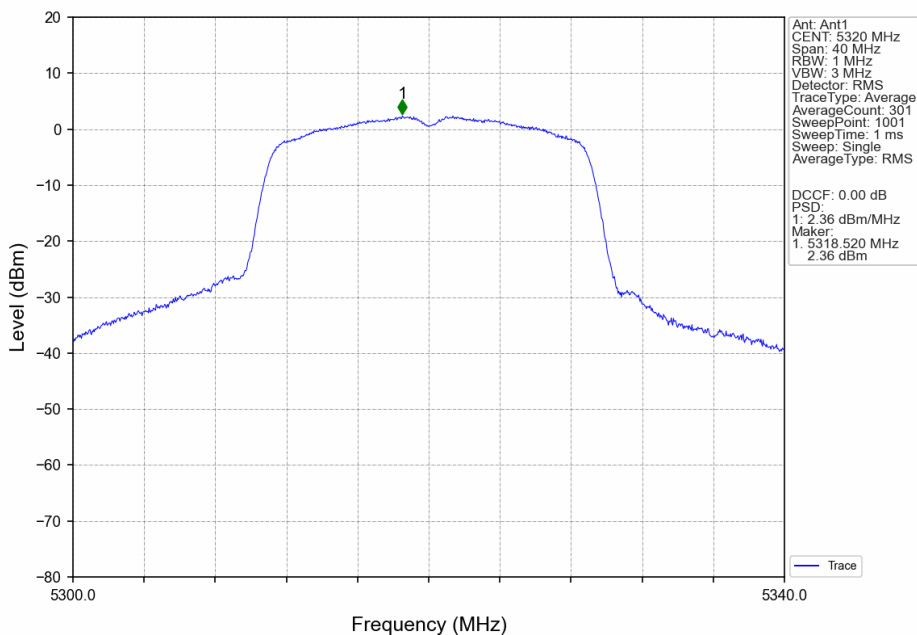
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802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



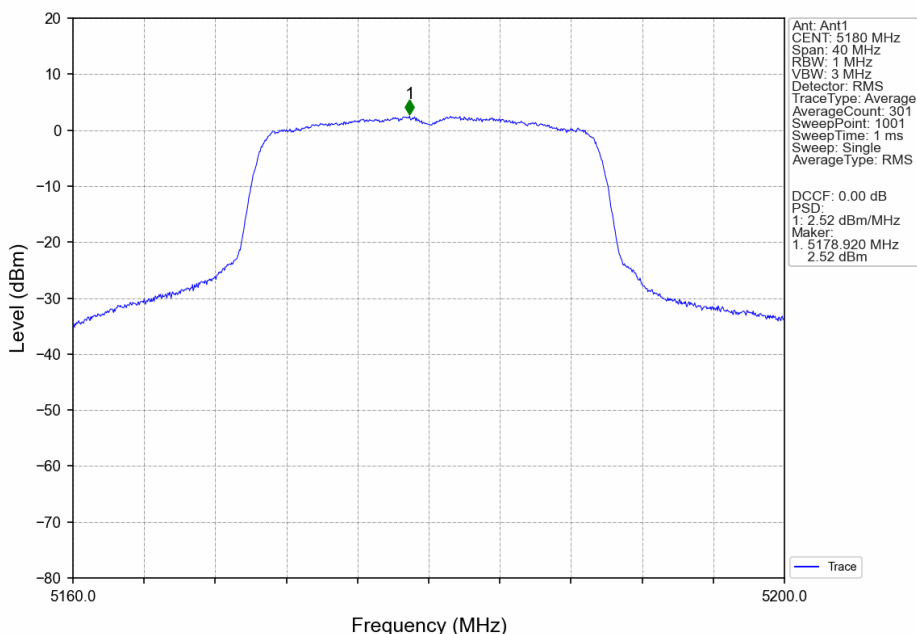
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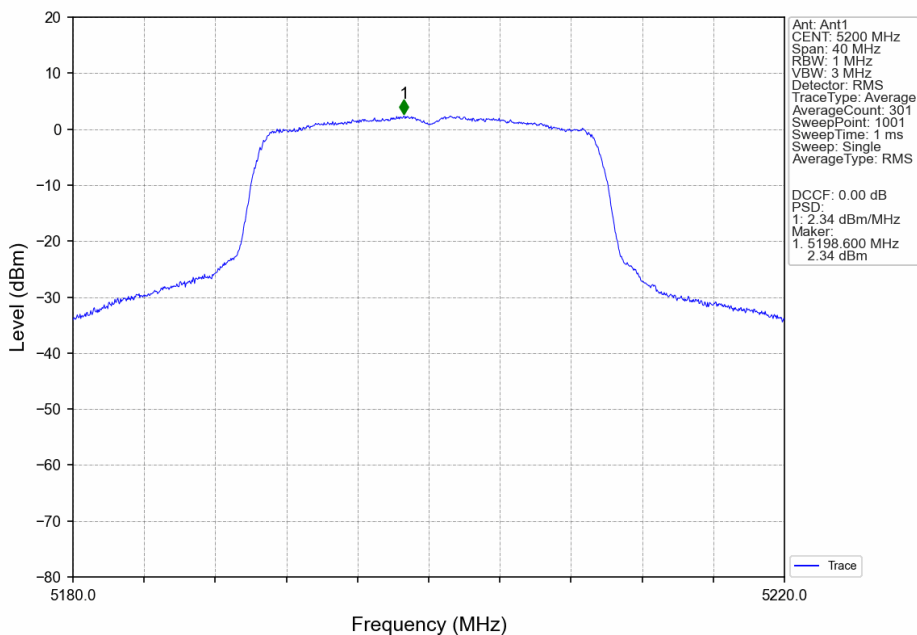
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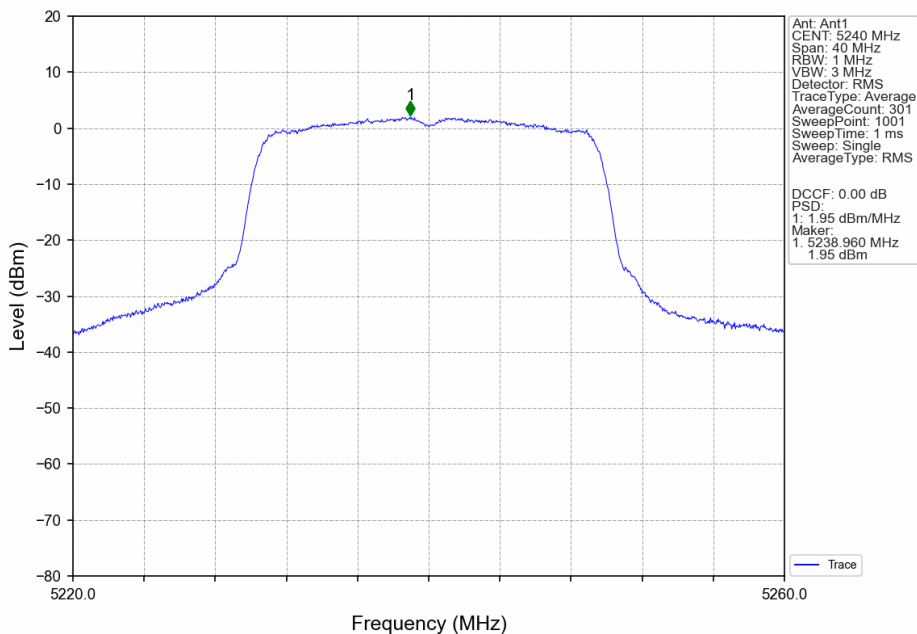
802.11ax(HEW20)_LCH_5180MHz_SU_Ant1_NTNV



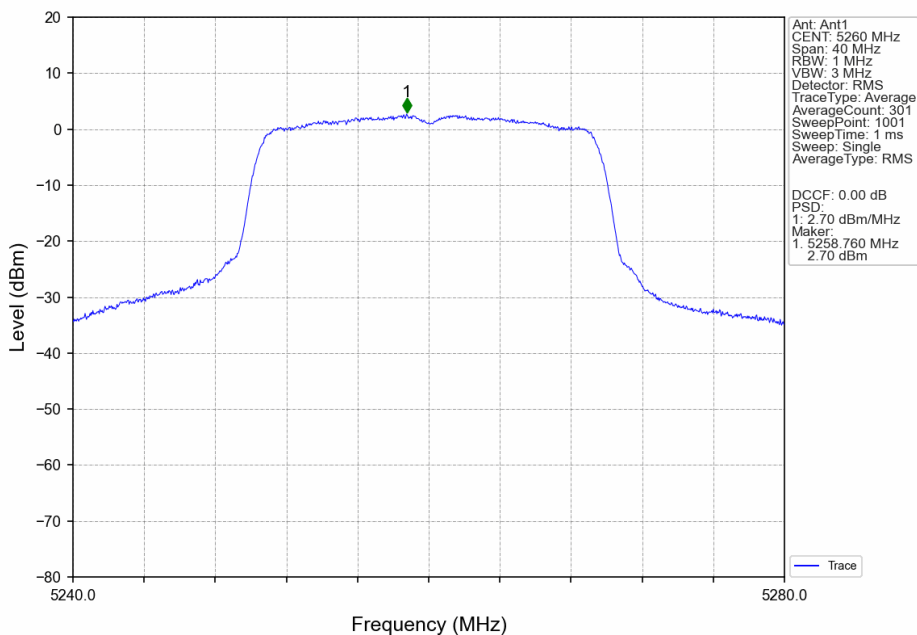
802.11ax(HEW20)_MCH_5200MHz_SU_Ant1_NTNV



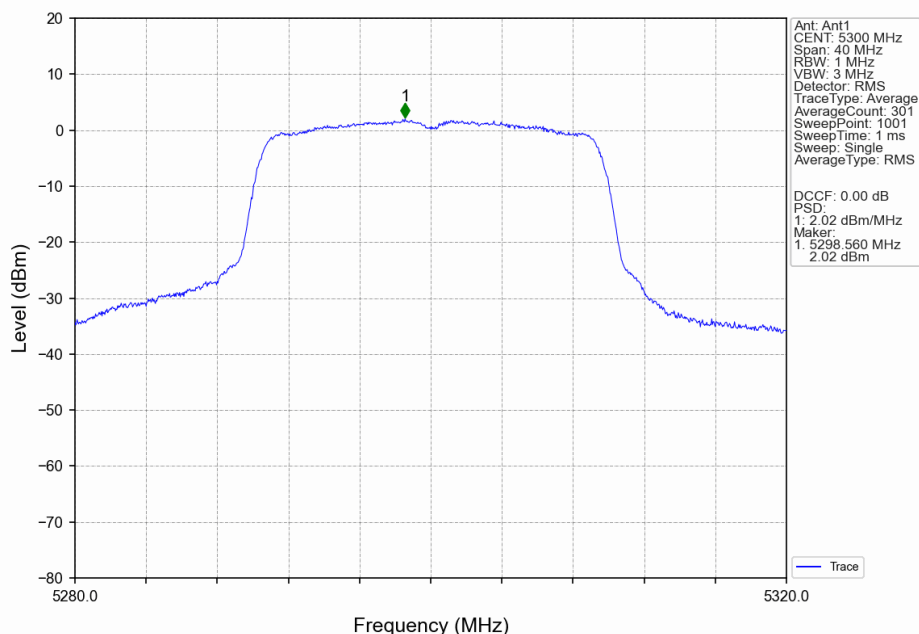
802.11ax(HEW20)_HCH_5240MHz_SU_Ant1_NTNV



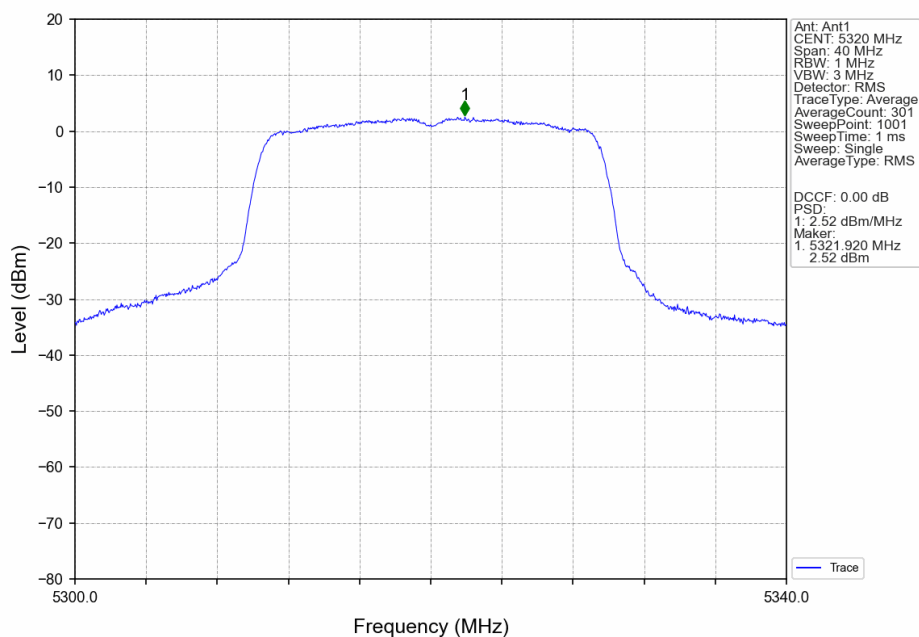
802.11ax(HEW20)_LCH_5260MHz_SU_Ant1_NTNV



802.11ax(HEW20)_MCH_5300MHz_SU_Ant1_NTNV



802.11ax(HEW20)_HCH_5320MHz_SU_Ant1_NTNV



5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1								
Mode	TX Type	Frequency (MHz)	RU	Temperature (°C)	Voltage (DC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	/	20	3.23	5180.000	5150 to 5250	Pass
					3.8	5180.040	5150 to 5250	Pass
					4.37	5180.000	5150 to 5250	Pass
				-30	3.8	5180.000	5150 to 5250	Pass
				-20	3.8	5180.000	5150 to 5250	Pass
				-10	3.8	5180.000	5150 to 5250	Pass
				0	3.8	5180.000	5150 to 5250	Pass
				10	3.8	5180.000	5150 to 5250	Pass
				30	3.8	5180.000	5150 to 5250	Pass
				40	3.8	5180.000	5150 to 5250	Pass
				50	3.8	5180.000	5150 to 5250	Pass
		5200	/	20	3.23	5200.000	5150 to 5250	Pass
					3.8	5199.940	5150 to 5250	Pass
					4.37	5200.060	5150 to 5250	Pass
				-30	3.8	5200.040	5150 to 5250	Pass
				-20	3.8	5199.980	5150 to 5250	Pass
				-10	3.8	5200.080	5150 to 5250	Pass
				0	3.8	5200.040	5150 to 5250	Pass
				10	3.8	5199.980	5150 to 5250	Pass
				30	3.8	5200.000	5150 to 5250	Pass
				40	3.8	5200.000	5150 to 5250	Pass
				50	3.8	5200.060	5150 to 5250	Pass
		5240	/	20	3.23	5240.060	5150 to 5250	Pass
					3.8	5240.020	5150 to 5250	Pass
					4.37	5239.960	5150 to 5250	Pass
				-30	3.8	5240.040	5150 to 5250	Pass
				-20	3.8	5239.960	5150 to 5250	Pass
				-10	3.8	5240.060	5150 to 5250	Pass
				0	3.8	5240.020	5150 to 5250	Pass
				10	3.8	5240.080	5150 to 5250	Pass



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				30	3.8	5239.960	5150 to 5250	Pass
				40	3.8	5240.020	5150 to 5250	Pass
				50	3.8	5240.000	5150 to 5250	Pass
		5260	/	20	3.23	5260.000	5250 to 5350	Pass
					3.8	5260.040	5250 to 5350	Pass
					4.37	5259.940	5250 to 5350	Pass
				-30	3.8	5260.020	5250 to 5350	Pass
				-20	3.8	5261.080	5250 to 5350	Pass
				-10	3.8	5259.900	5250 to 5350	Pass
				0	3.8	5259.980	5250 to 5350	Pass
				10	3.8	5260.040	5250 to 5350	Pass
				30	3.8	5260.040	5250 to 5350	Pass
				40	3.8	5259.960	5250 to 5350	Pass
				50	3.8	5260.020	5250 to 5350	Pass
		5300	/	20	3.23	5300.060	5250 to 5350	Pass
					3.8	5300.080	5250 to 5350	Pass
					4.37	5300.020	5250 to 5350	Pass
				-30	3.8	5300.000	5250 to 5350	Pass
				-20	3.8	5299.980	5250 to 5350	Pass
				-10	3.8	5300.000	5250 to 5350	Pass
				0	3.8	5300.100	5250 to 5350	Pass
				10	3.8	5300.000	5250 to 5350	Pass
				30	3.8	5300.020	5250 to 5350	Pass
				40	3.8	5300.060	5250 to 5350	Pass
				50	3.8	5300.060	5250 to 5350	Pass
		5320	/	20	3.23	5320.020	5250 to 5350	Pass
					3.8	5319.980	5250 to 5350	Pass
					4.37	5320.060	5250 to 5350	Pass
				-30	3.8	5319.980	5250 to 5350	Pass
				-20	3.8	5320.080	5250 to 5350	Pass
				-10	3.8	5320.000	5250 to 5350	Pass
				0	3.8	5320.000	5250 to 5350	Pass
				10	3.8	5320.060	5250 to 5350	Pass
				30	3.8	5319.980	5250 to 5350	Pass
				40	3.8	5320.000	5250 to 5350	Pass
				50	3.8	5320.040	5250 to 5350	Pass

802.11n (HT20)	SISO	5180	/	20	3.23	5180.060	5150 to 5250	Pass
					3.8	5180.060	5150 to 5250	Pass
					4.37	5180.080	5150 to 5250	Pass



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				-30	3.8	5180.060	5150 to 5250	Pass
				-20	3.8	5180.060	5150 to 5250	Pass
				-10	3.8	5180.040	5150 to 5250	Pass
				0	3.8	5180.040	5150 to 5250	Pass
				10	3.8	5180.040	5150 to 5250	Pass
				30	3.8	5180.040	5150 to 5250	Pass
				40	3.8	5180.060	5150 to 5250	Pass
				50	3.8	5180.060	5150 to 5250	Pass
		5200	/	20	3.23	5200.040	5150 to 5250	Pass
					3.8	5200.060	5150 to 5250	Pass
					4.37	5200.040	5150 to 5250	Pass
				-30	3.8	5200.020	5150 to 5250	Pass
				-20	3.8	5200.060	5150 to 5250	Pass
				-10	3.8	5200.040	5150 to 5250	Pass
				0	3.8	5200.060	5150 to 5250	Pass
				10	3.8	5200.020	5150 to 5250	Pass
				30	3.8	5200.060	5150 to 5250	Pass
				40	3.8	5200.060	5150 to 5250	Pass
				50	3.8	5200.020	5150 to 5250	Pass
		5240	/	20	3.23	5240.060	5150 to 5250	Pass
					3.8	5240.040	5150 to 5250	Pass
					4.37	5240.040	5150 to 5250	Pass
				-30	3.8	5240.060	5150 to 5250	Pass
				-20	3.8	5240.040	5150 to 5250	Pass
				-10	3.8	5240.060	5150 to 5250	Pass
				0	3.8	5240.040	5150 to 5250	Pass
				10	3.8	5240.040	5150 to 5250	Pass
				30	3.8	5240.040	5150 to 5250	Pass
				40	3.8	5240.040	5150 to 5250	Pass
		5260	/	20	3.23	5260.060	5250 to 5350	Pass
					3.8	5260.080	5250 to 5350	Pass
					4.37	5260.060	5250 to 5350	Pass
				-30	3.8	5260.060	5250 to 5350	Pass
				-20	3.8	5260.060	5250 to 5350	Pass
				-10	3.8	5260.040	5250 to 5350	Pass
				0	3.8	5260.060	5250 to 5350	Pass
				10	3.8	5260.060	5250 to 5350	Pass
				30	3.8	5260.040	5250 to 5350	Pass
				40	3.8	5260.040	5250 to 5350	Pass



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		5300	/	50	3.8	5260.020	5250 to 5350	Pass
				20	3.23	5300.020	5250 to 5350	Pass
					3.8	5300.060	5250 to 5350	Pass
					4.37	5300.040	5250 to 5350	Pass
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				-20	3.8	5300.080	5250 to 5350	Pass
				-10	3.8	5300.060	5250 to 5350	Pass
				0	3.8	5300.040	5250 to 5350	Pass
				10	3.8	5300.100	5250 to 5350	Pass
				30	3.8	5300.060	5250 to 5350	Pass
				40	3.8	5300.060	5250 to 5350	Pass
				50	3.8	5300.040	5250 to 5350	Pass
		5320	/	20	3.23	5320.020	5250 to 5350	Pass
					3.8	5320.020	5250 to 5350	Pass
					4.37	5320.040	5250 to 5350	Pass
				-30	3.8	5320.060	5250 to 5350	Pass
				-20	3.8	5320.040	5250 to 5350	Pass
				-10	3.8	5320.040	5250 to 5350	Pass
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				50	3.8	5320.040	5250 to 5350	Pass

802.11ac (VHT20)	SISO	5180	/	20	3.23	5180.040	5150 to 5250	Pass
					3.8	5180.040	5150 to 5250	Pass
					4.37	5180.040	5150 to 5250	Pass
				-30	3.8	5180.060	5150 to 5250	Pass
				-20	3.8	5180.060	5150 to 5250	Pass
				-10	3.8	5180.020	5150 to 5250	Pass
				0	3.8	5180.040	5150 to 5250	Pass
				10	3.8	5180.040	5150 to 5250	Pass
				30	3.8	5180.040	5150 to 5250	Pass
				40	3.8	5180.020	5150 to 5250	Pass
				50	3.8	5180.040	5150 to 5250	Pass
		5200	/	20	3.23	5200.060	5150 to 5250	Pass
					3.8	5200.020	5150 to 5250	Pass
					4.37	5200.060	5150 to 5250	Pass
				-30	3.8	5200.000	5150 to 5250	Pass
				-20	3.8	5200.040	5150 to 5250	Pass



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				-10	3.8	5200.040	5150 to 5250	Pass
				0	3.8	5200.060	5150 to 5250	Pass
				10	3.8	5200.040	5150 to 5250	Pass
				30	3.8	5200.060	5150 to 5250	Pass
				40	3.8	5200.040	5150 to 5250	Pass
				50	3.8	5200.060	5150 to 5250	Pass
		5240	/	20	3.23	5240.040	5150 to 5250	Pass
					3.8	5240.060	5150 to 5250	Pass
					4.37	5240.060	5150 to 5250	Pass
				-30	3.8	5240.080	5150 to 5250	Pass
				-20	3.8	5240.040	5150 to 5250	Pass
				-10	3.8	5240.020	5150 to 5250	Pass
				0	3.8	5240.040	5150 to 5250	Pass
				10	3.8	5240.060	5150 to 5250	Pass
				30	3.8	5240.040	5150 to 5250	Pass
				40	3.8	5240.060	5150 to 5250	Pass
				50	3.8	5240.040	5150 to 5250	Pass
		5260	/	20	3.23	5260.020	5250 to 5350	Pass
					3.8	5260.060	5250 to 5350	Pass
					4.37	5260.040	5250 to 5350	Pass
				-30	3.8	5260.020	5250 to 5350	Pass
				-20	3.8	5260.020	5250 to 5350	Pass
				-10	3.8	5260.040	5250 to 5350	Pass
				0	3.8	5260.040	5250 to 5350	Pass
				10	3.8	5260.020	5250 to 5350	Pass
				30	3.8	5260.040	5250 to 5350	Pass
				40	3.8	5260.080	5250 to 5350	Pass
				50	3.8	5260.040	5250 to 5350	Pass
		5300	/	20	3.23	5300.060	5250 to 5350	Pass
					3.8	5300.060	5250 to 5350	Pass
					4.37	5300.100	5250 to 5350	Pass
				-30	3.8	5300.080	5250 to 5350	Pass
				-20	3.8	5300.040	5250 to 5350	Pass
				-10	3.8	5300.040	5250 to 5350	Pass
				0	3.8	5300.080	5250 to 5350	Pass
				10	3.8	5300.040	5250 to 5350	Pass
				30	3.8	5300.060	5250 to 5350	Pass
				40	3.8	5300.040	5250 to 5350	Pass
				50	3.8	5300.020	5250 to 5350	Pass
		5320	/	20	3.23	5320.040	5250 to 5350	Pass



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				3.8	5320.020	5250 to 5350	Pass
				4.37	5320.060	5250 to 5350	Pass
			-30	3.8	5320.060	5250 to 5350	Pass
			-20	3.8	5320.040	5250 to 5350	Pass
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			0	3.8	5320.060	5250 to 5350	Pass
			10	3.8	5320.020	5250 to 5350	Pass
			30	3.8	5320.060	5250 to 5350	Pass
			40	3.8	5320.040	5250 to 5350	Pass
			50	3.8	5320.040	5250 to 5350	Pass

802.11ax (HEW20)	SISO	5180	SU	20	3.23	5180.080	5150 to 5250	Pass
					3.8	5180.040	5150 to 5250	Pass
					4.37	5180.040	5150 to 5250	Pass
				-30	3.8	5180.020	5150 to 5250	Pass
				-20	3.8	5180.040	5150 to 5250	Pass
				-10	3.8	5180.020	5150 to 5250	Pass
				0	3.8	5180.060	5150 to 5250	Pass
				10	3.8	5180.040	5150 to 5250	Pass
				30	3.8	5180.080	5150 to 5250	Pass
				40	3.8	5180.020	5150 to 5250	Pass
				50	3.8	5180.060	5150 to 5250	Pass
		5200	SU	20	3.23	5200.060	5150 to 5250	Pass
					3.8	5200.040	5150 to 5250	Pass
					4.37	5200.040	5150 to 5250	Pass
				-30	3.8	5200.060	5150 to 5250	Pass
				-20	3.8	5200.040	5150 to 5250	Pass
				-10	3.8	5200.020	5150 to 5250	Pass
				0	3.8	5200.060	5150 to 5250	Pass
				10	3.8	5200.040	5150 to 5250	Pass
				30	3.8	5200.060	5150 to 5250	Pass
				40	3.8	5200.080	5150 to 5250	Pass
				50	3.8	5200.020	5150 to 5250	Pass
		5240	SU	20	3.23	5240.040	5150 to 5250	Pass
					3.8	5240.080	5150 to 5250	Pass
					4.37	5240.020	5150 to 5250	Pass
				-30	3.8	5240.020	5150 to 5250	Pass
				-20	3.8	5240.040	5150 to 5250	Pass
				-10	3.8	5240.040	5150 to 5250	Pass
				0	3.8	5240.060	5150 to 5250	Pass



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				10	3.8	5240.060	5150 to 5250	Pass
				30	3.8	5240.040	5150 to 5250	Pass
				40	3.8	5240.020	5150 to 5250	Pass
				50	3.8	5240.040	5150 to 5250	Pass
		5260	SU	20	3.23	5260.060	5250 to 5350	Pass
					3.8	5260.020	5250 to 5350	Pass
					4.37	5260.060	5250 to 5350	Pass
				-30	3.8	5260.040	5250 to 5350	Pass
				-20	3.8	5260.060	5250 to 5350	Pass
				-10	3.8	5260.040	5250 to 5350	Pass
				0	3.8	5260.040	5250 to 5350	Pass
				10	3.8	5260.040	5250 to 5350	Pass
				30	3.8	5260.040	5250 to 5350	Pass
				40	3.8	5260.040	5250 to 5350	Pass
				50	3.8	5260.020	5250 to 5350	Pass
		5300	SU	20	3.23	5300.040	5250 to 5350	Pass
					3.8	5300.040	5250 to 5350	Pass
					4.37	5300.020	5250 to 5350	Pass
				-30	3.8	5300.040	5250 to 5350	Pass
				-20	3.8	5300.040	5250 to 5350	Pass
				-10	3.8	5300.040	5250 to 5350	Pass
				0	3.8	5300.040	5250 to 5350	Pass
				10	3.8	5300.020	5250 to 5350	Pass
				30	3.8	5300.040	5250 to 5350	Pass
				40	3.8	5300.040	5250 to 5350	Pass
				50	3.8	5300.060	5250 to 5350	Pass
		5320	SU	20	3.23	5320.040	5250 to 5350	Pass
					3.8	5320.040	5250 to 5350	Pass
					4.37	5320.040	5250 to 5350	Pass
				-30	3.8	5320.040	5250 to 5350	Pass
				-20	3.8	5320.040	5250 to 5350	Pass
				-10	3.8	5320.040	5250 to 5350	Pass
				0	3.8	5320.040	5250 to 5350	Pass
				10	3.8	5320.040	5250 to 5350	Pass
				30	3.8	5320.040	5250 to 5350	Pass
				40	3.8	5320.020	5250 to 5350	Pass
				50	3.8	5320.060	5250 to 5350	Pass



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6. DFS

(DFS: Non-occupancy period; Channel Move Time; Channel Closing Transmission Time)

Note: All antennas type has been tested and we found the antenna 1 has the worst result.

Only record the worst test result.

Test plots as follows:

Radar Waveform Calibration Result

Radar Type 0

Test Data:

BW/Channel	Test Item	Test data	Limit	Results
20MHz/ 5320MHz	Non-occupancy period	Refer to test plots	>30 min	pass
	Channel Move Time	0.0s	<10 s	Pass
	Channel Closing Transmission Time	0.0s	<60ms	Pass



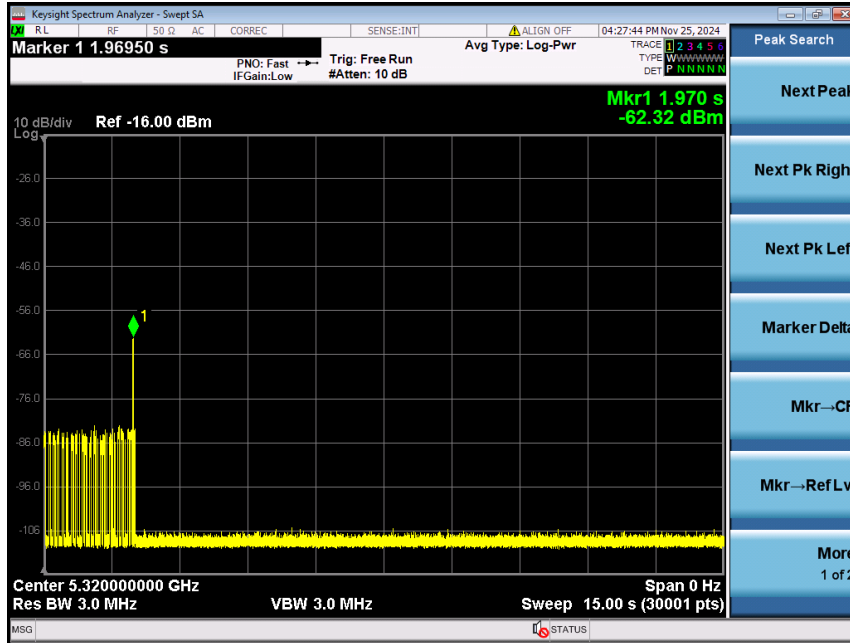
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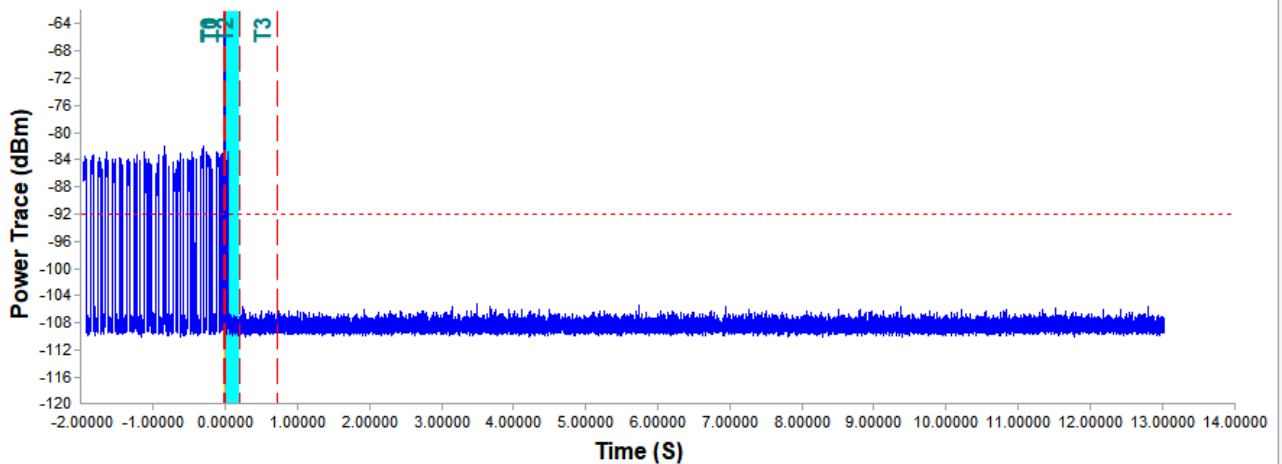
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Test plots as follows(5320MHz):



In Service Monitor



Time Index Info

T0 : -0.0240 S (Radar Injection Start)

T1 : 0.0000 S (Radar Injection Stop)

T2 : 0.2000 S (200msec Interval)

T3 : 0.0000 S (Channel Move Time)

Time Per Bin: 0.4999833

Channel Move Time: 0.0 S

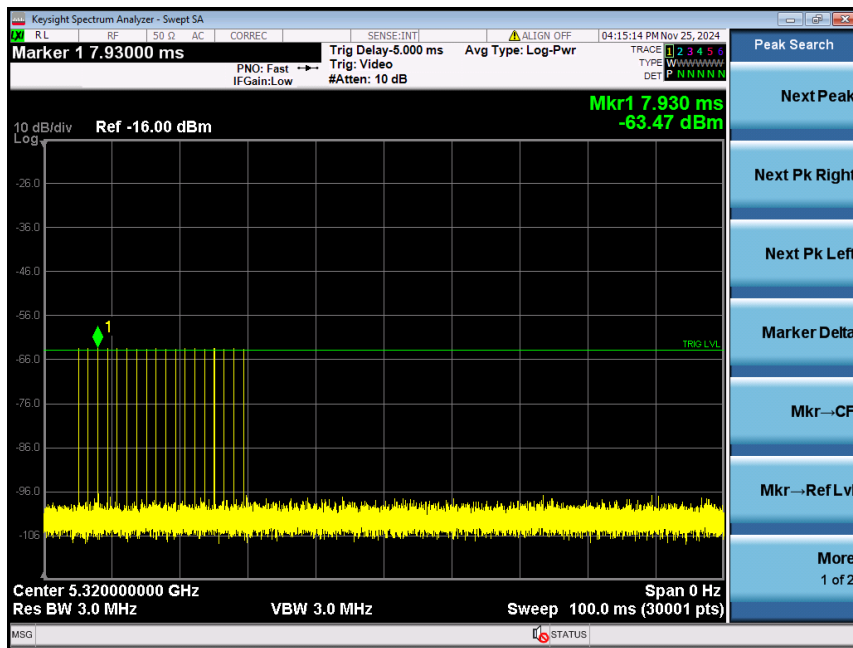
T2~T3 Bins Over Threshold:

= 0 Bins

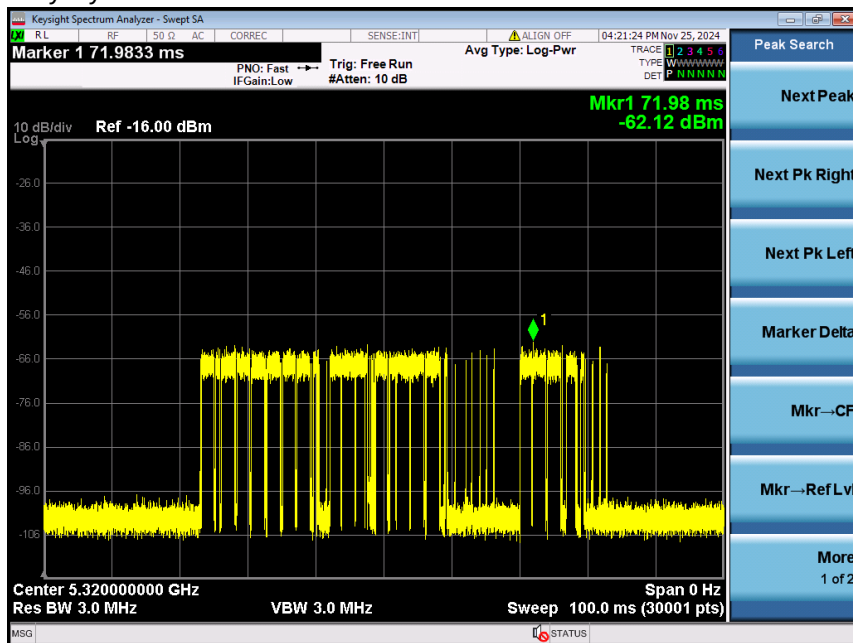
Channel Close Time: 0.0 S



Test plots as follows(5570MHz):



Duty Cycle:



- End of the Report -