

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
			ANT0	ANT1	Limit	
10M	SISO	5157	16.89	17.08	≤ 23.98	Pass
		5200	17.04	16.61	≤ 23.98	Pass
		5245	15.48	16.66	≤ 23.98	Pass
20M	SISO	5161	18.05	18.12	≤ 23.98	Pass
		5200	18.30	17.88	≤ 23.98	Pass
		5240	17.75	18.30	≤ 23.98	Pass
40M	SISO	5170	17.96	18.00	≤ 23.98	Pass
		5200	18.31	17.81	≤ 23.98	Pass
		5230	18.53	18.07	≤ 23.98	Pass

Note1: Antenna Gain: Ant0: 1.50dBi; Ant1: 1.50dBi;



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

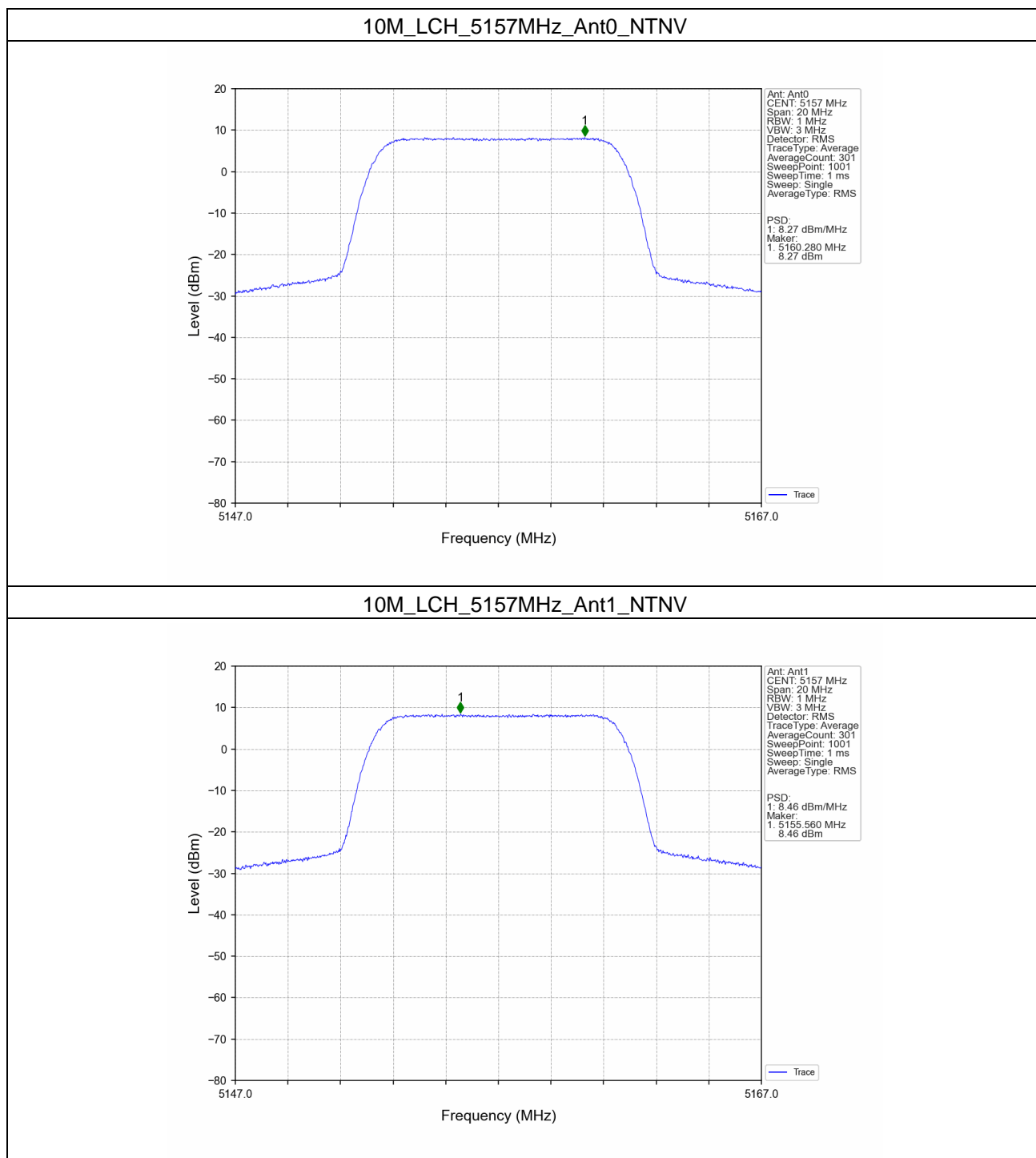
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)			Verdict
			ANT0	ANT1	Limit	
10M	SISO	5157	8.27	8.46	<=11	Pass
		5200	8.28	7.80	<=11	Pass
		5245	6.94	8.17	<=11	Pass
20M	SISO	5161	6.41	6.54	<=11	Pass
		5200	6.61	6.27	<=11	Pass
		5240	6.20	6.66	<=11	Pass
40M	SISO	5170	3.40	3.51	<=11	Pass
		5200	3.83	3.36	<=11	Pass
		5230	5.78	5.30	<=11	Pass

Note1: Antenna Gain: Ant0: 1.50dBi; Ant1: 1.50dBi;

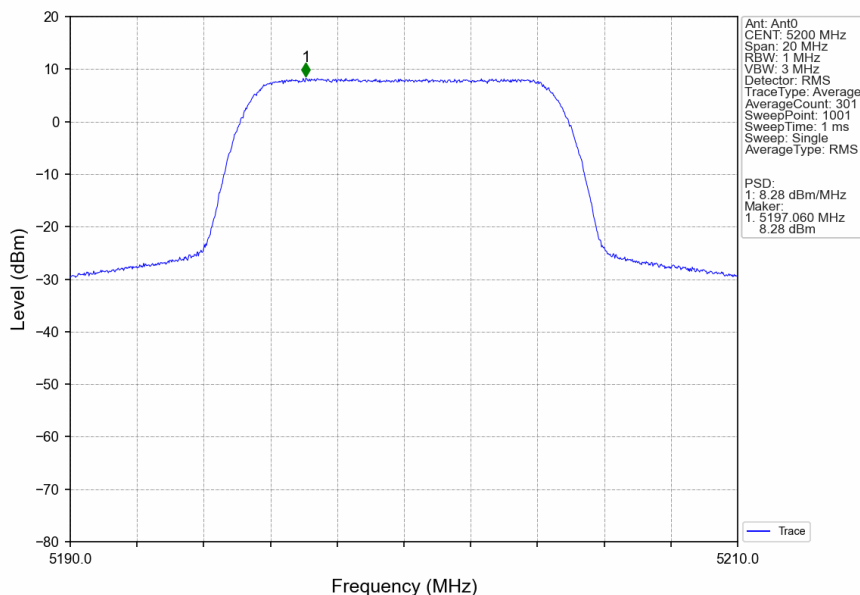


4.2 Test Graph

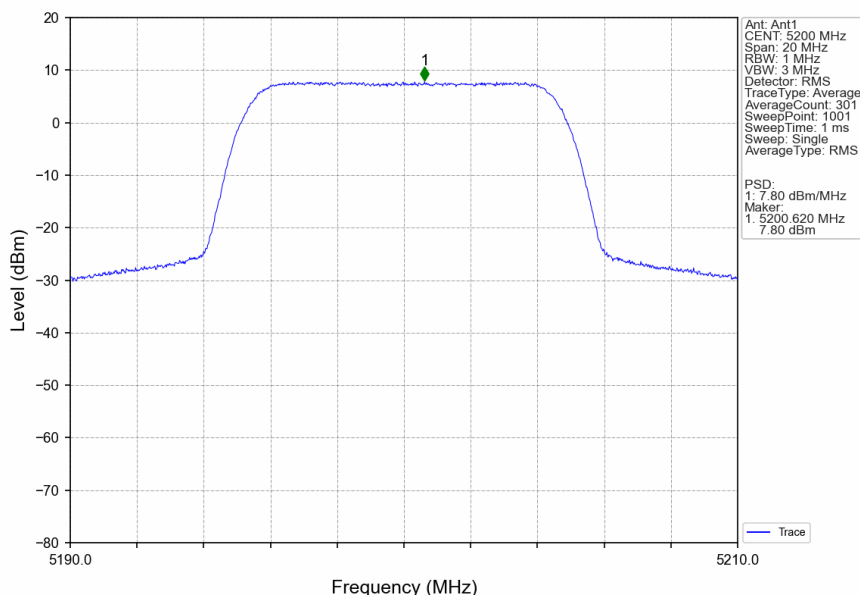
4.2.1 PSD



10M_MCH_5200MHz_Ant0_NTNV



10M_MCH_5200MHz_Ant1_NTNV



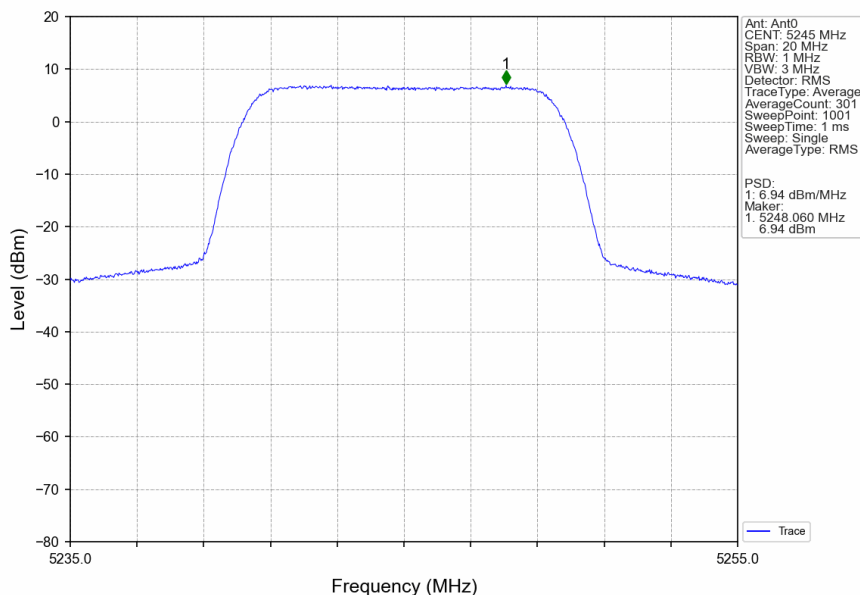
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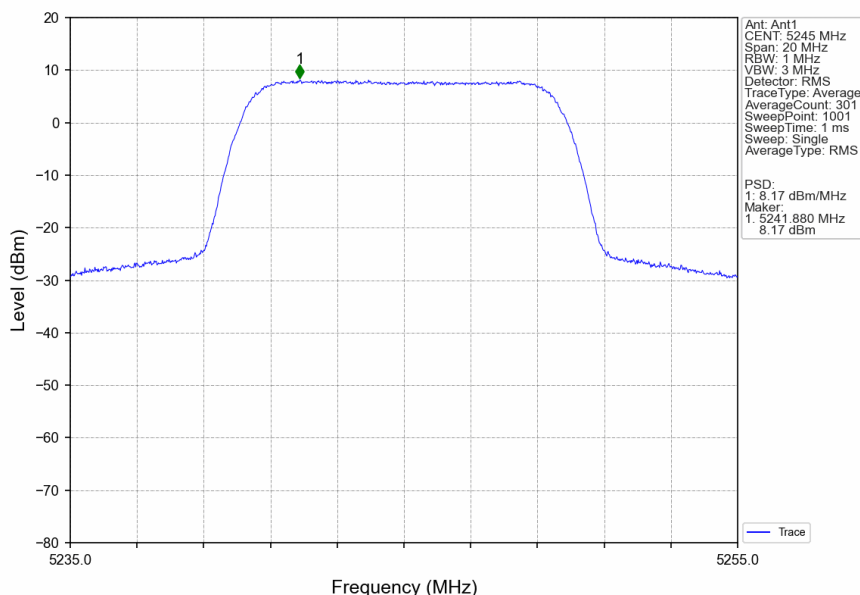
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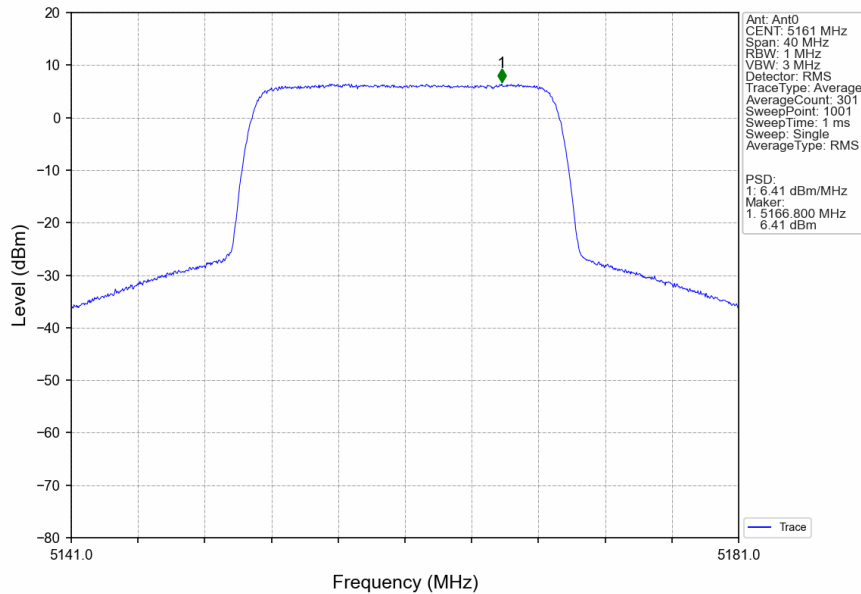
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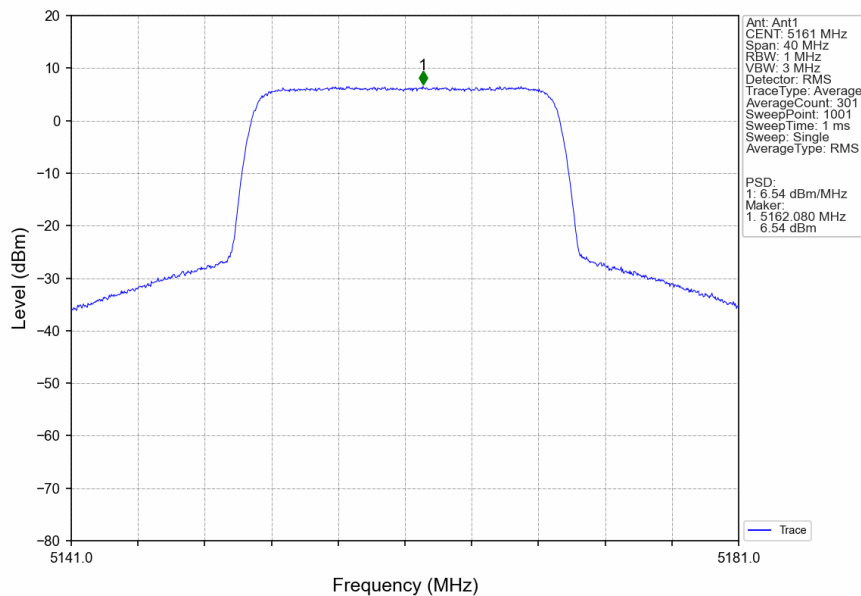
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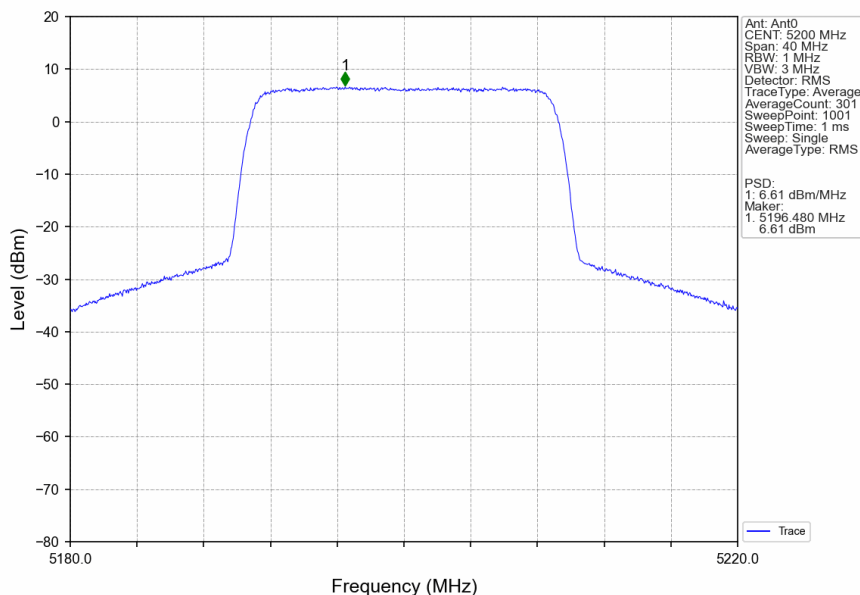
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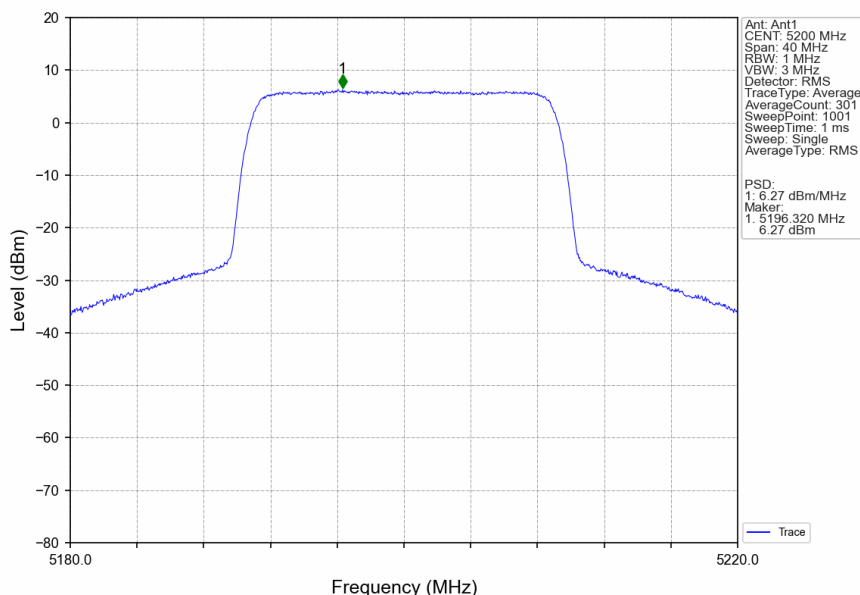
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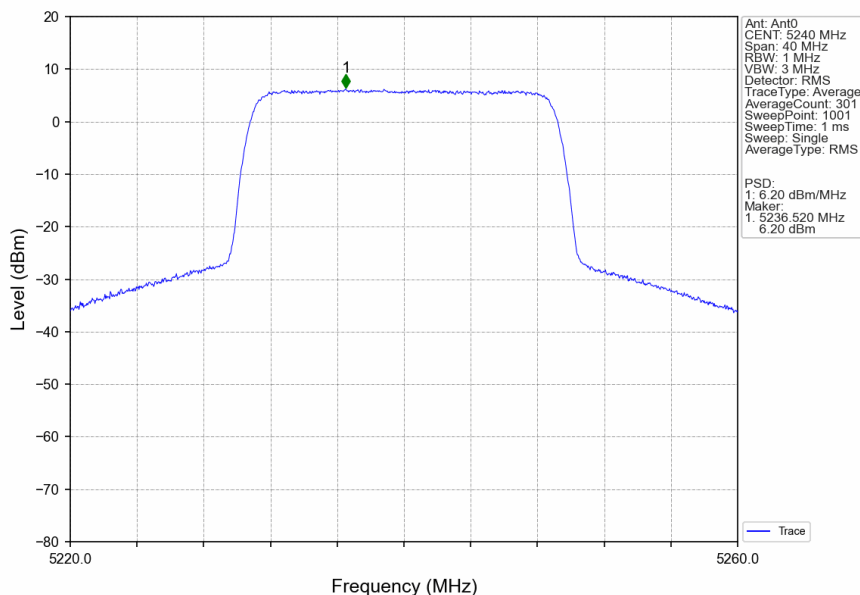
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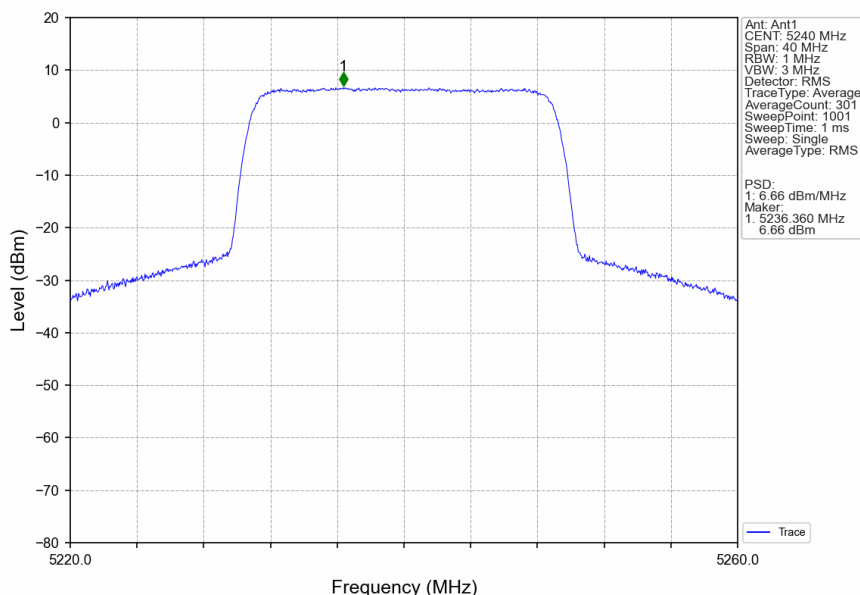
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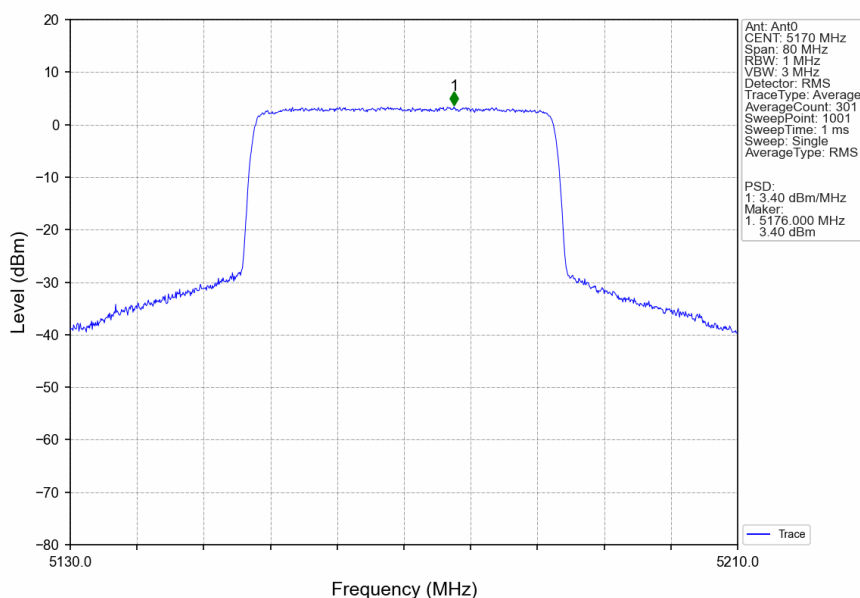
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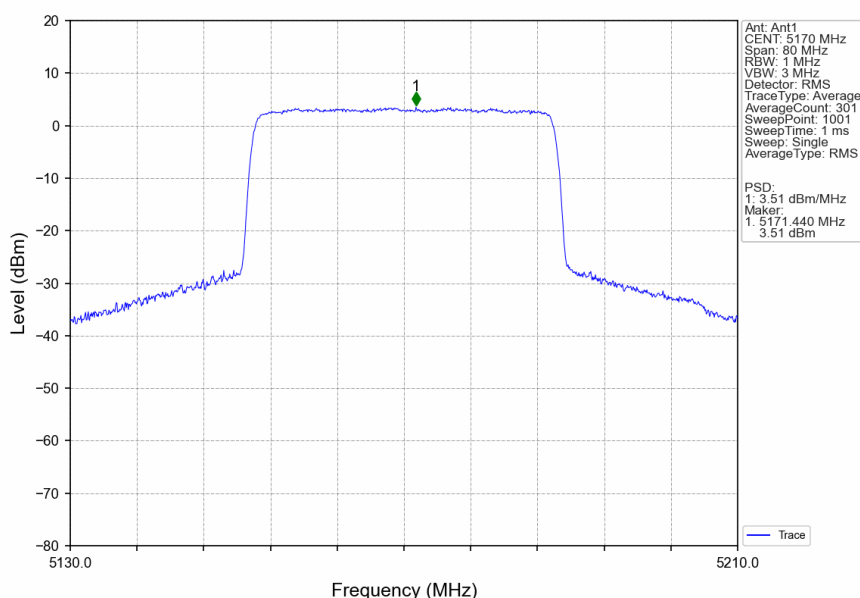
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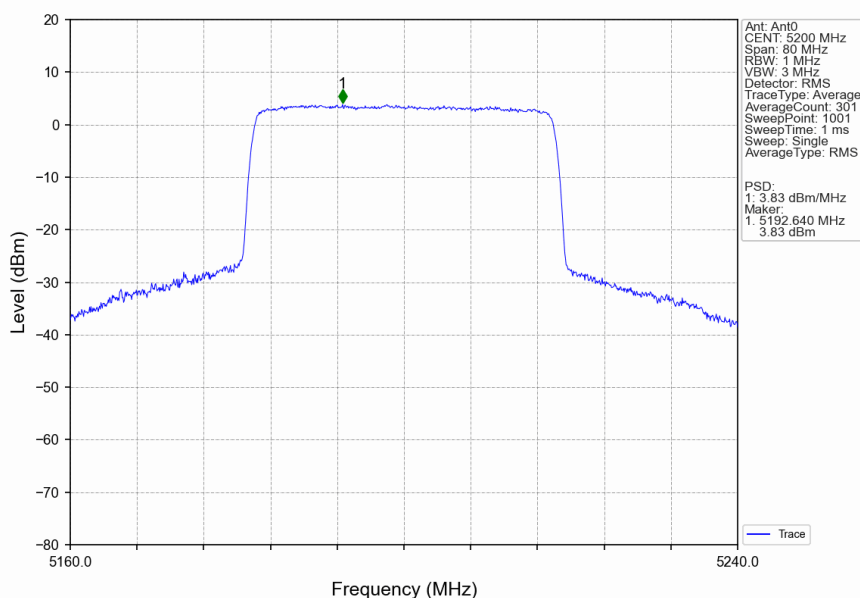
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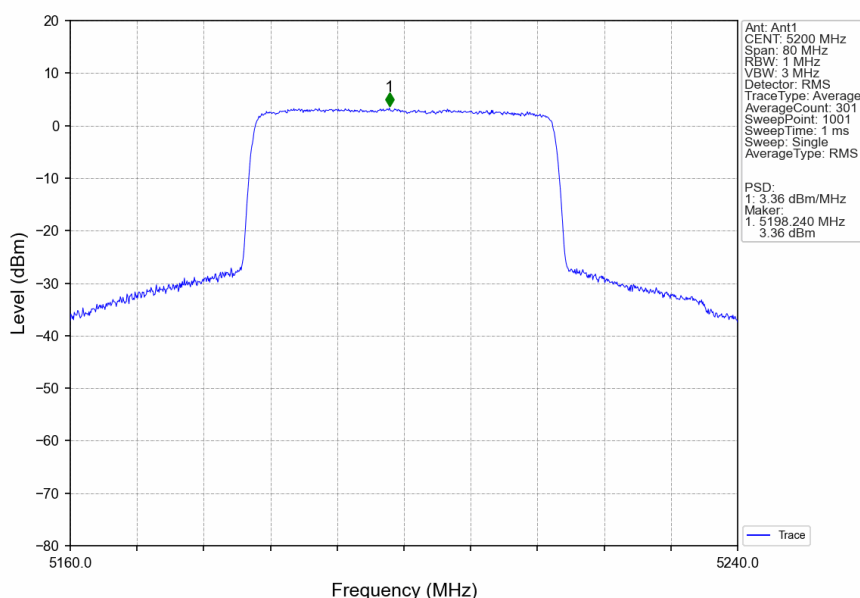
40M_LCH_5170MHz_Ant1_NTNV



40M_MCH_5200MHz_Ant0_NTNV



40M_MCH_5200MHz_Ant1_NTNV



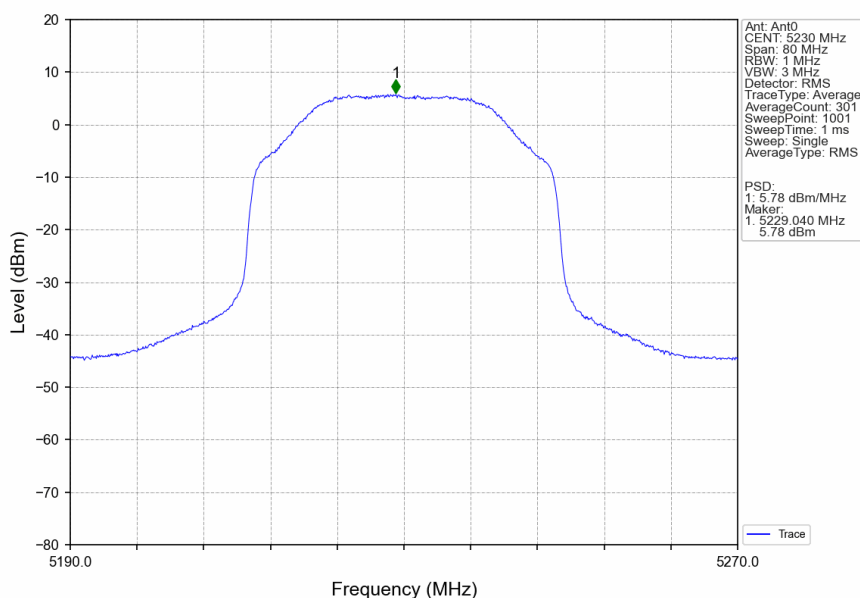
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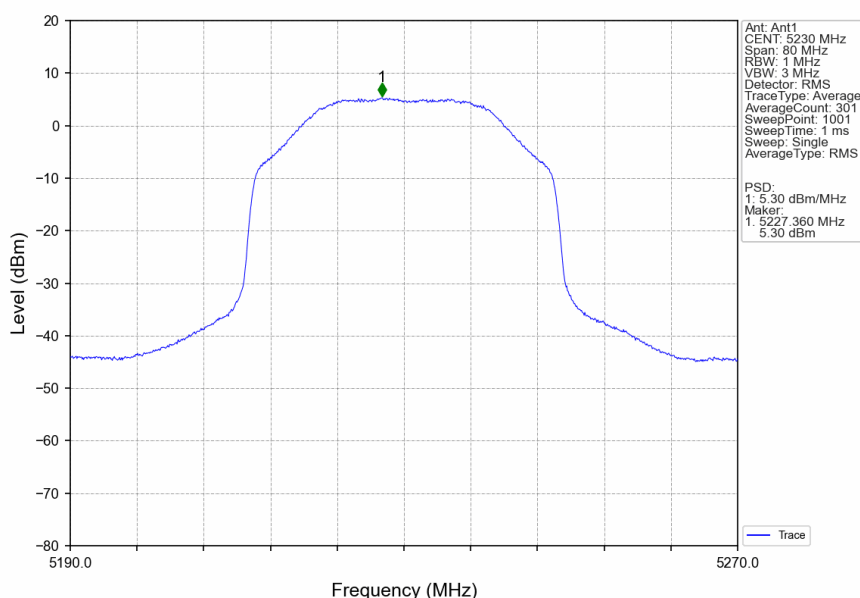
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40M_HCH_5230MHz_Ant0_NTNV



40M_HCH_5230MHz_Ant1_NTNV



5. Frequency Stability

5.1 Test Result

5.1.1 Ant0

Ant0							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
10M	SISO	5157	20	4.25	5157.030	5150 to 5250	Pass
				5	5157.030	5150 to 5250	Pass
				5.75	5157.010	5150 to 5250	Pass
			-30	5	5157.020	5150 to 5250	Pass
			-20	5	5157.020	5150 to 5250	Pass
			-10	5	5157.030	5150 to 5250	Pass
			0	5	5157.010	5150 to 5250	Pass
			10	5	5157.010	5150 to 5250	Pass
			30	5	5157.000	5150 to 5250	Pass
			40	5	5156.990	5150 to 5250	Pass
			50	5	5157.040	5150 to 5250	Pass
		5200	20	4.25	5200.010	5150 to 5250	Pass
				5	5200.020	5150 to 5250	Pass
				5.75	5200.020	5150 to 5250	Pass
			-30	5	5200.010	5150 to 5250	Pass
			-20	5	5200.040	5150 to 5250	Pass
			-10	5	5200.030	5150 to 5250	Pass
			0	5	5200.010	5150 to 5250	Pass
			10	5	5200.040	5150 to 5250	Pass
			30	5	5200.020	5150 to 5250	Pass
			40	5	5200.000	5150 to 5250	Pass
			50	5	5200.000	5150 to 5250	Pass
		5245	20	4.25	5245.000	5150 to 5250	Pass
				5	5244.980	5150 to 5250	Pass
				5.75	5245.000	5150 to 5250	Pass
			-30	5	5245.000	5150 to 5250	Pass
			-20	5	5245.000	5150 to 5250	Pass
			-10	5	5244.990	5150 to 5250	Pass
			0	5	5245.000	5150 to 5250	Pass
			10	5	5245.010	5150 to 5250	Pass
			30	5	5245.010	5150 to 5250	Pass



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			40	5	5244.990	5150 to 5250	Pass
			50	5	5245.020	5150 to 5250	Pass
20M	SISO	5161	20	4.25	5161.020	5150 to 5250	Pass
				5	5161.000	5150 to 5250	Pass
				5.75	5161.040	5150 to 5250	Pass
			-30	5	5161.040	5150 to 5250	Pass
			-20	5	5161.020	5150 to 5250	Pass
			-10	5	5161.060	5150 to 5250	Pass
			0	5	5161.000	5150 to 5250	Pass
			10	5	5161.020	5150 to 5250	Pass
			30	5	5161.040	5150 to 5250	Pass
			40	5	5161.020	5150 to 5250	Pass
			50	5	5161.020	5150 to 5250	Pass
		5200	20	4.25	5200.060	5150 to 5250	Pass
				5	5200.000	5150 to 5250	Pass
				5.75	5200.000	5150 to 5250	Pass
			-30	5	5200.020	5150 to 5250	Pass
			-20	5	5200.040	5150 to 5250	Pass
			-10	5	5200.040	5150 to 5250	Pass
			0	5	5200.040	5150 to 5250	Pass
			10	5	5200.020	5150 to 5250	Pass
			30	5	5200.000	5150 to 5250	Pass
			40	5	5200.040	5150 to 5250	Pass
			50	5	5200.000	5150 to 5250	Pass
		5240	20	4.25	5240.020	5150 to 5250	Pass
				5	5240.040	5150 to 5250	Pass
				5.75	5240.020	5150 to 5250	Pass
			-30	5	5240.020	5150 to 5250	Pass
			-20	5	5240.040	5150 to 5250	Pass
			-10	5	5240.000	5150 to 5250	Pass
			0	5	5240.040	5150 to 5250	Pass
			10	5	5240.040	5150 to 5250	Pass
			30	5	5240.000	5150 to 5250	Pass
			40	5	5240.000	5150 to 5250	Pass
			50	5	5240.020	5150 to 5250	Pass
40M	SISO	5170	20	4.25	5170.080	5150 to 5250	Pass
				5	5170.040	5150 to 5250	Pass
				5.75	5170.040	5150 to 5250	Pass
			-30	5	5170.080	5150 to 5250	Pass
			-20	5	5170.040	5150 to 5250	Pass



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			0	5	5170.000	5150 to 5250	Pass
			10	5	5170.000	5150 to 5250	Pass
			30	5	5170.040	5150 to 5250	Pass
			40	5	5170.040	5150 to 5250	Pass
			50	5	5170.040	5150 to 5250	Pass
		5200	20	4.25	5200.000	5150 to 5250	Pass
				5	5200.040	5150 to 5250	Pass
				5.75	5200.040	5150 to 5250	Pass
			-30	5	5200.040	5150 to 5250	Pass
			-20	5	5200.000	5150 to 5250	Pass
			-10	5	5200.040	5150 to 5250	Pass
			0	5	5200.000	5150 to 5250	Pass
			10	5	5200.040	5150 to 5250	Pass
			30	5	5200.040	5150 to 5250	Pass
			40	5	5200.040	5150 to 5250	Pass
			50	5	5200.040	5150 to 5250	Pass
		5230	20	4.25	5230.000	5150 to 5250	Pass
				5	5230.040	5150 to 5250	Pass
				5.75	5230.040	5150 to 5250	Pass
			-30	5	5230.040	5150 to 5250	Pass
			-20	5	5230.040	5150 to 5250	Pass
			-10	5	5230.000	5150 to 5250	Pass
			0	5	5230.040	5150 to 5250	Pass
			10	5	5230.040	5150 to 5250	Pass
			30	5	5230.040	5150 to 5250	Pass
			40	5	5230.000	5150 to 5250	Pass
			50	5	5230.000	5150 to 5250	Pass

- End of the Report -



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