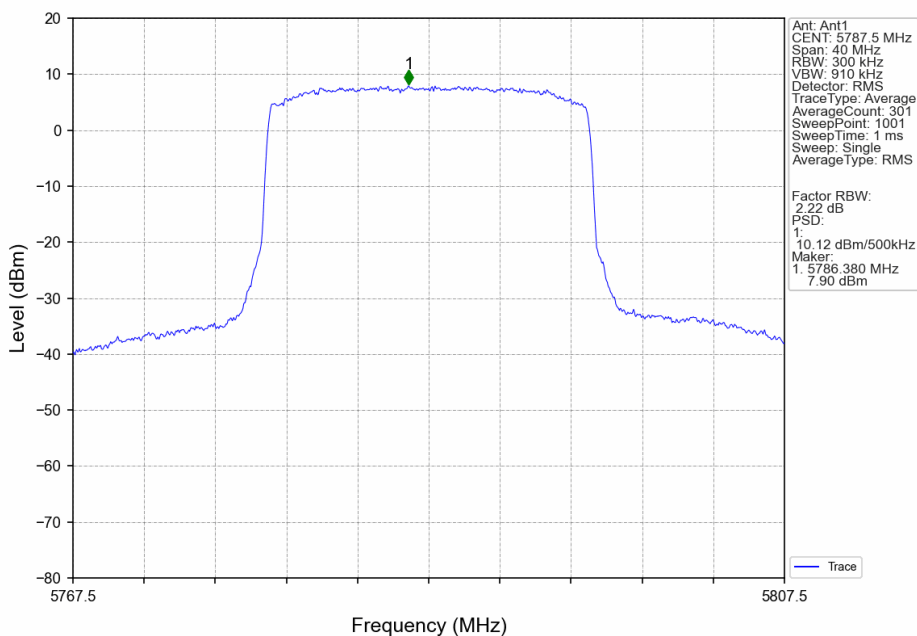
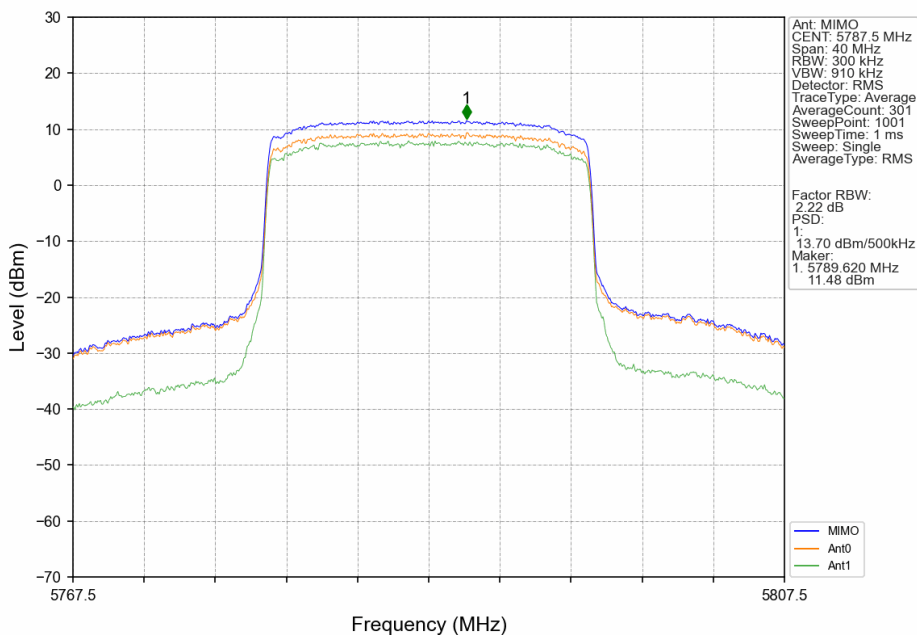


20M_MCH_5787.5MHz_Ant1_NTNV



20M_MCH_5787.5MHz_MIMO_NTNV



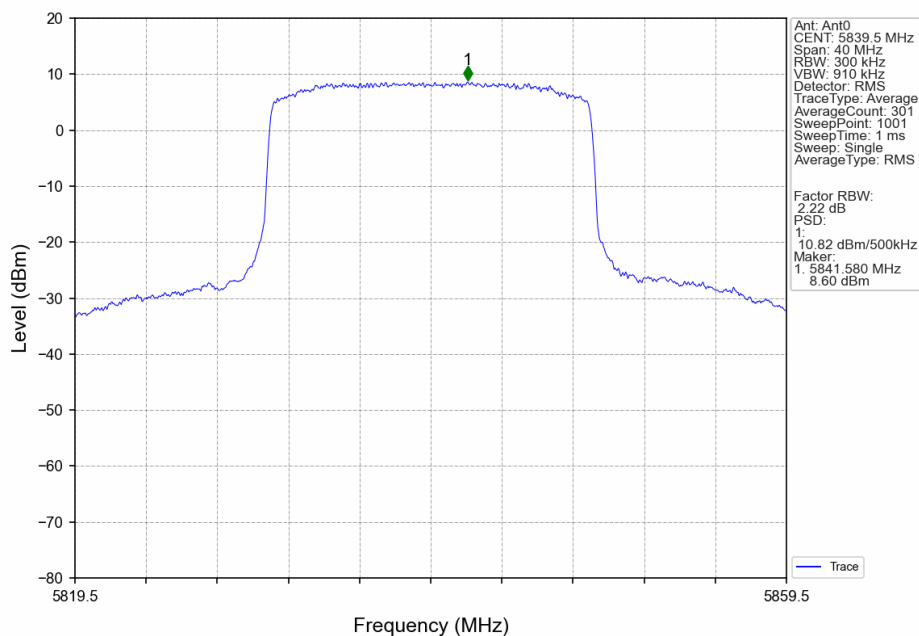
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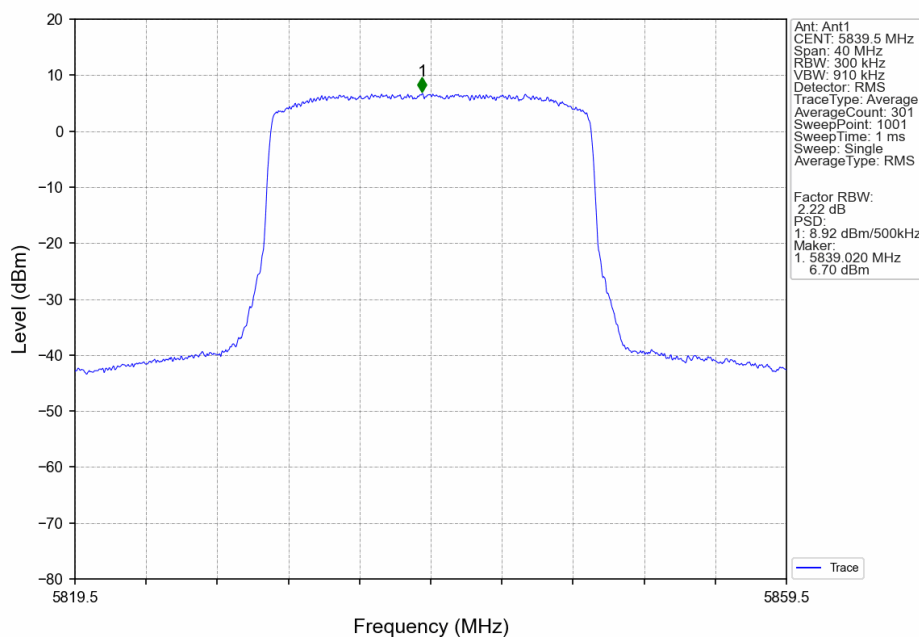
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20M_HCH_5839.5MHz_Ant0_NTNV



20M_HCH_5839.5MHz_Ant1_NTNV



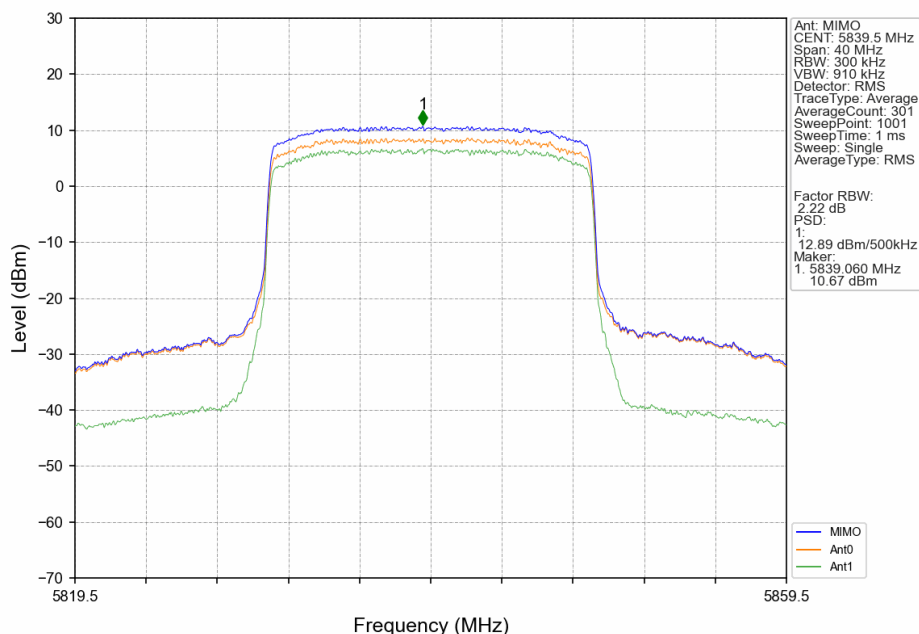
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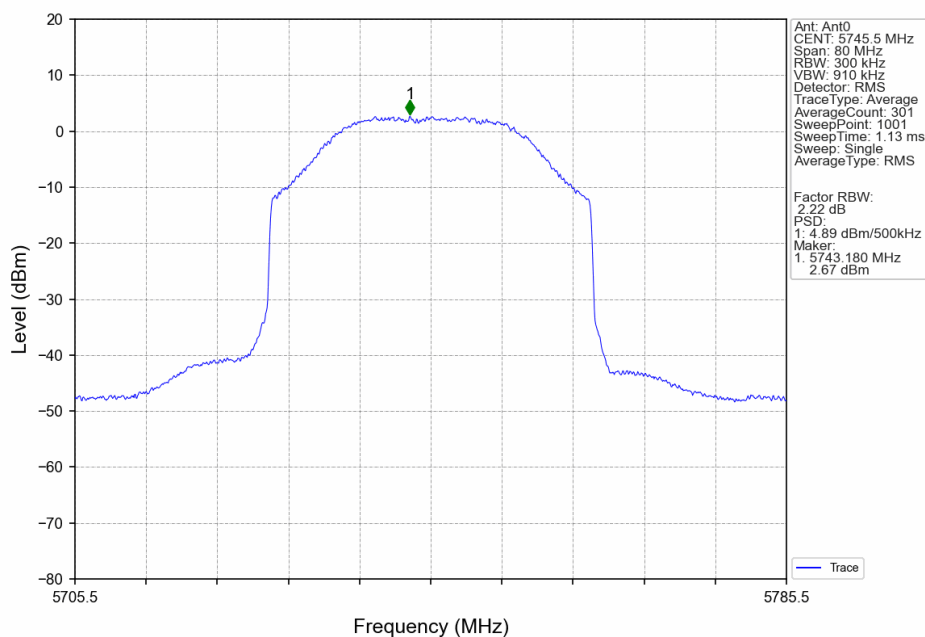
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20M_HCH_5839.5MHz_MIMO_NTNV



40M_LCH_5745.5MHz_Ant0_NTNV



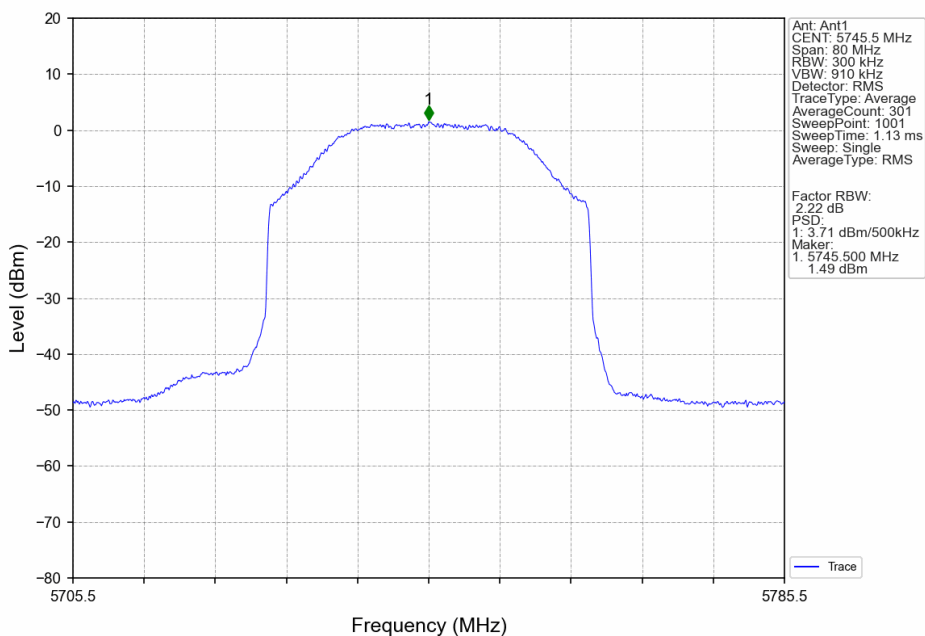
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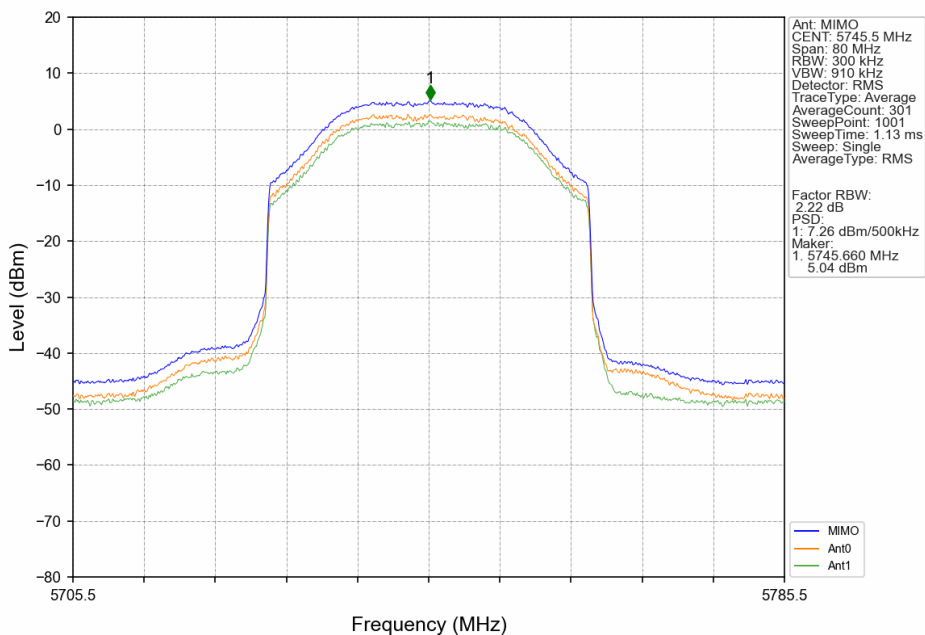
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40M_LCH_5745.5MHz_Ant1_NTNV



40M_LCH_5745.5MHz_MIMO_NTNV



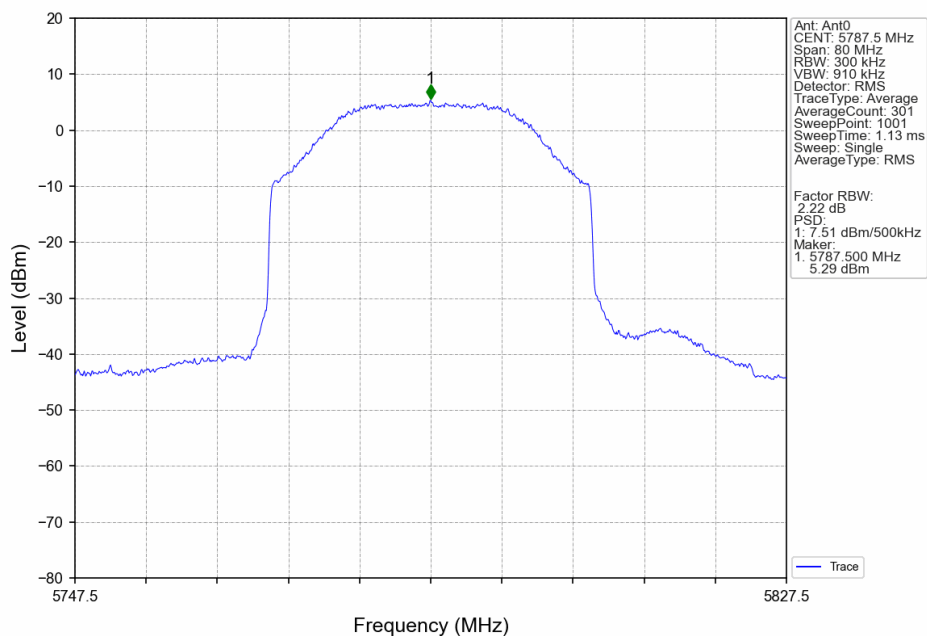
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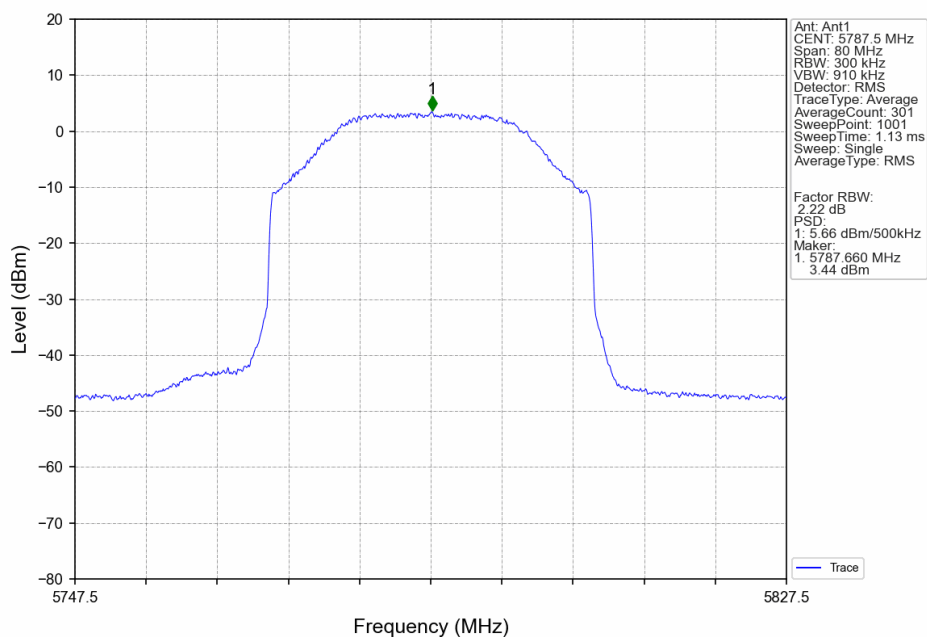
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40M_MCH_5787.5MHz_Ant0_NTNV



40M_MCH_5787.5MHz_Ant1_NTNV



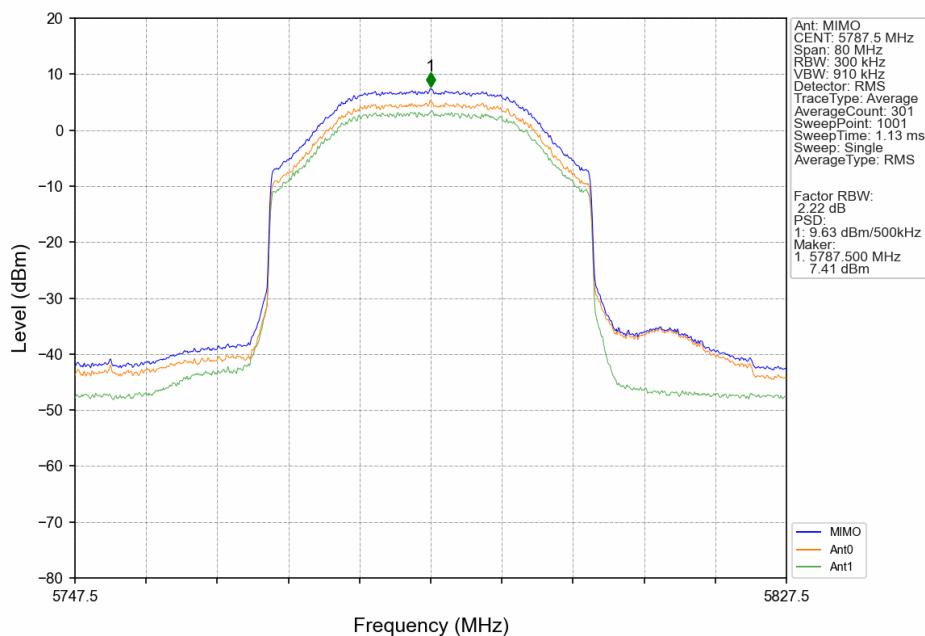
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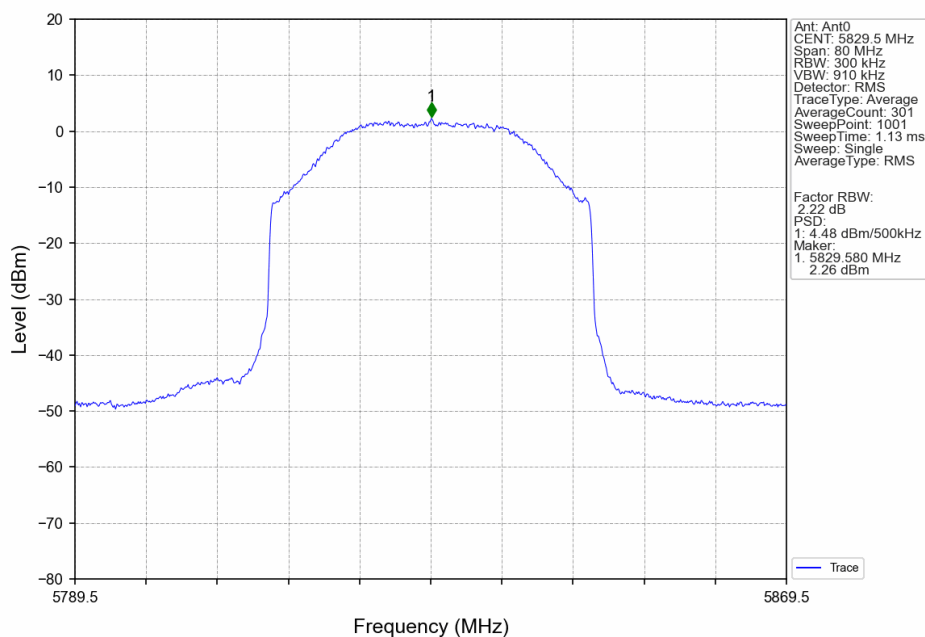
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40M_MCH_5787.5MHz_MIMO_NTNV



40M_HCH_5829.5MHz_Ant0_NTNV



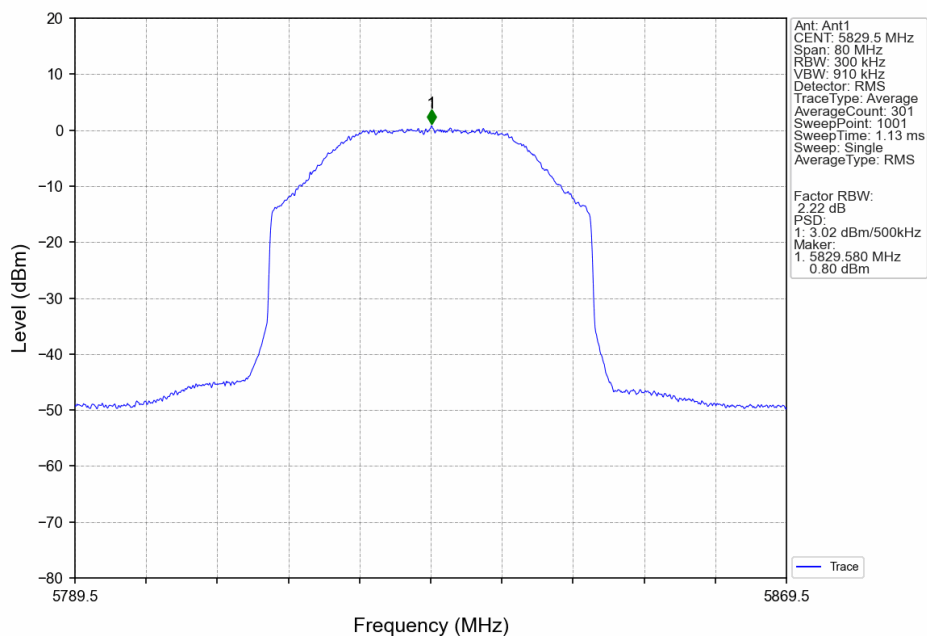
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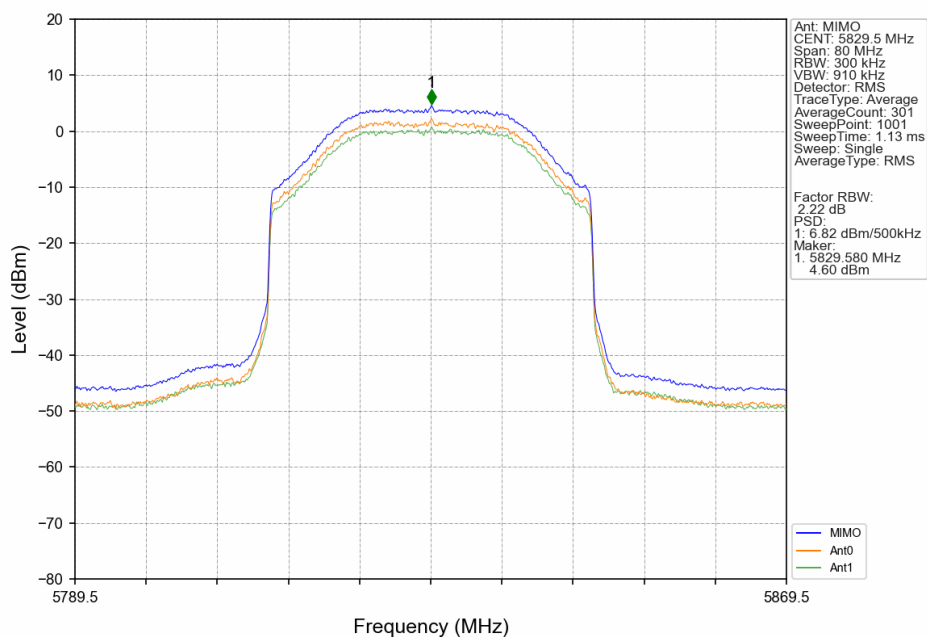
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40M_HCH_5829.5MHz_Ant1_NTNV



40M_HCH_5829.5MHz_MIMO_NTNV



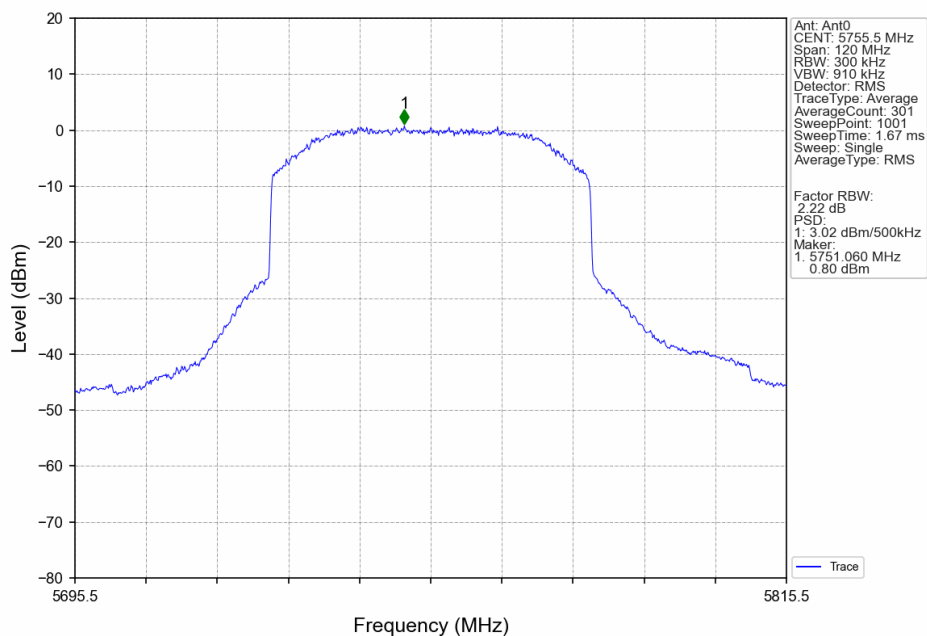
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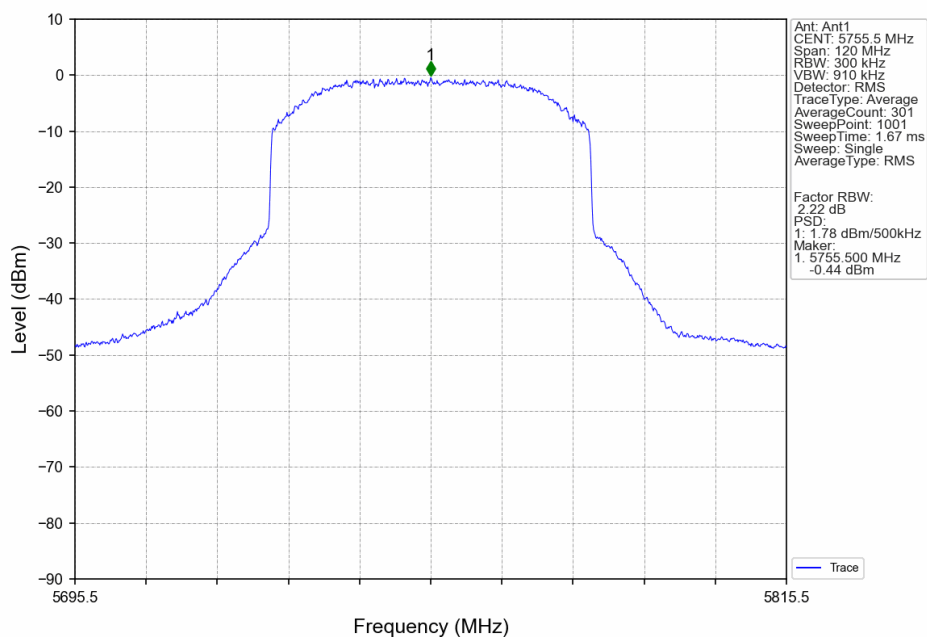
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60M_LCH_5755.5MHz_Ant0_NTNV



60M_LCH_5755.5MHz_Ant1_NTNV



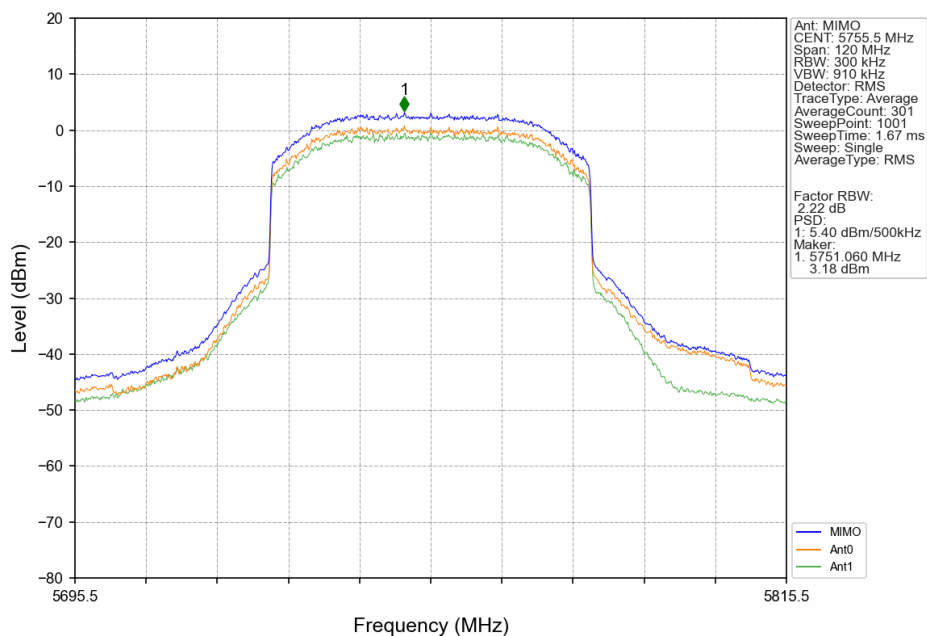
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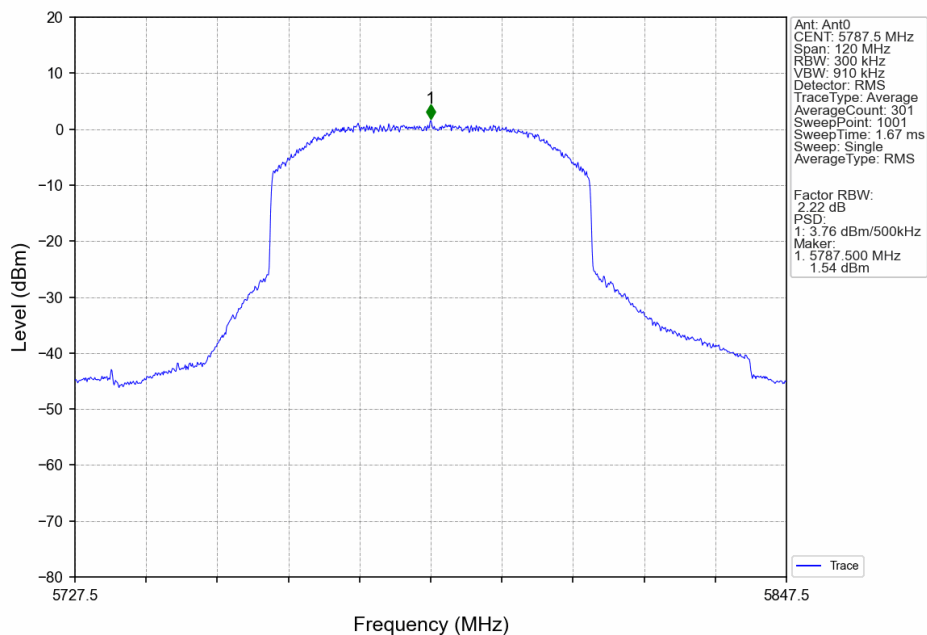
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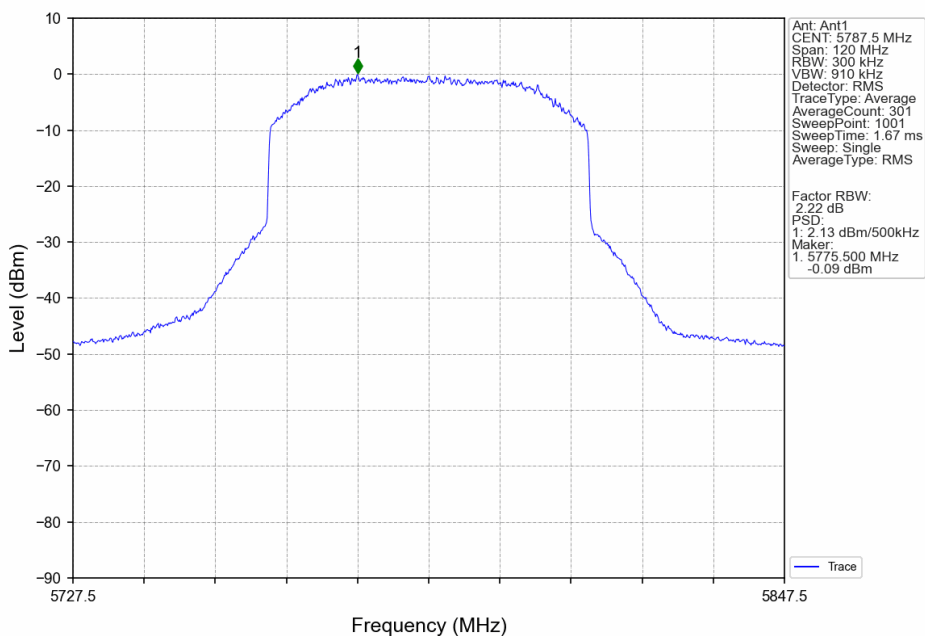
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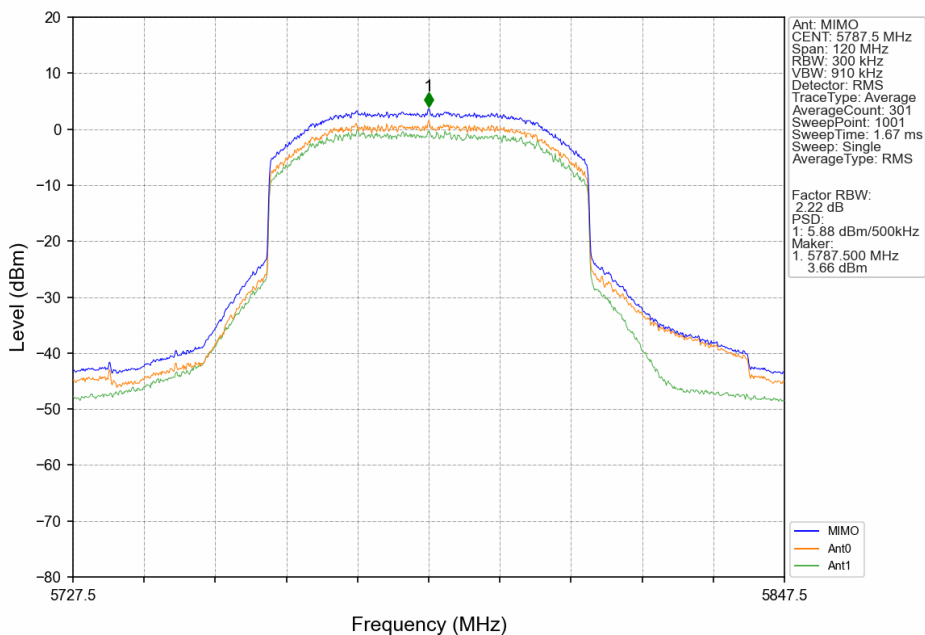
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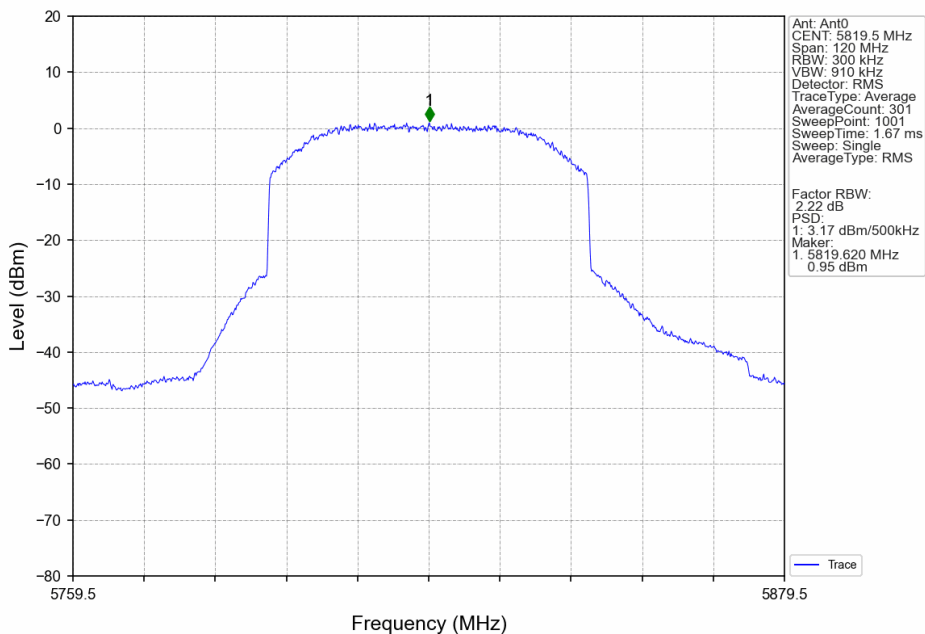
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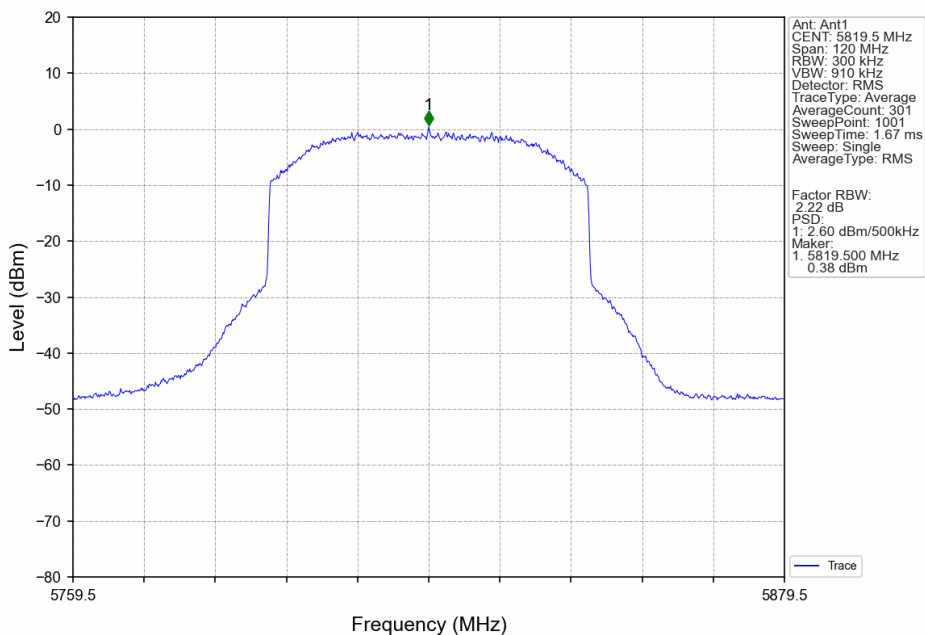
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60M_HCH_5819.5MHz_Ant0_NTNV



60M_HCH_5819.5MHz_Ant1_NTNV



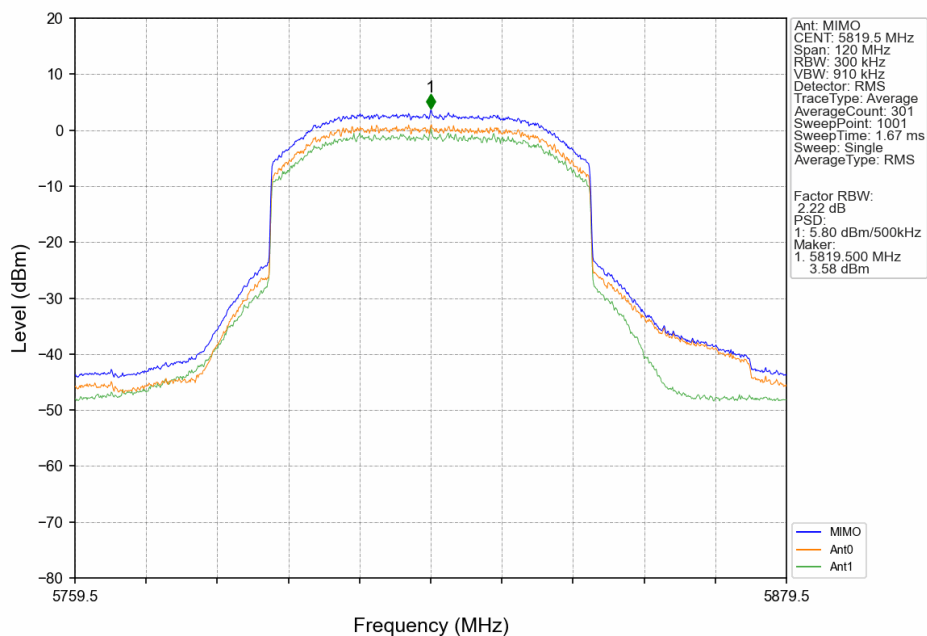
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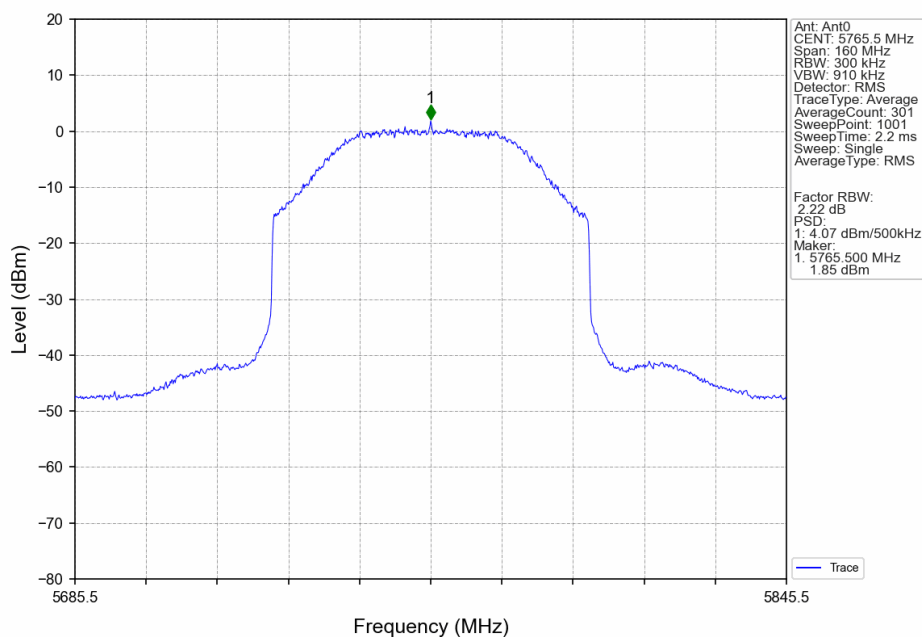
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60M_HCH_5819.5MHz_MIMO_NTNV



80M_LCH_5765.5MHz_Ant0_NTNV



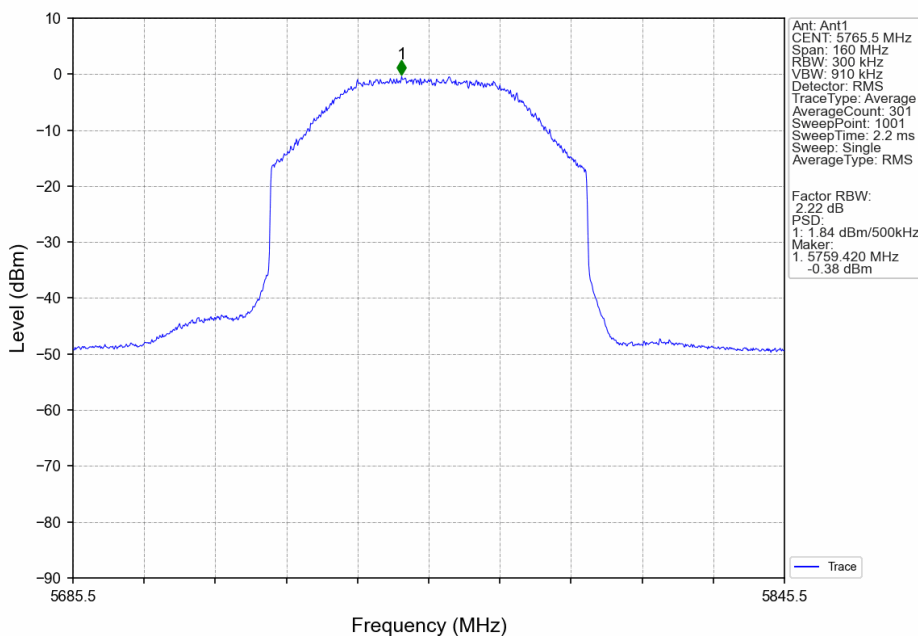
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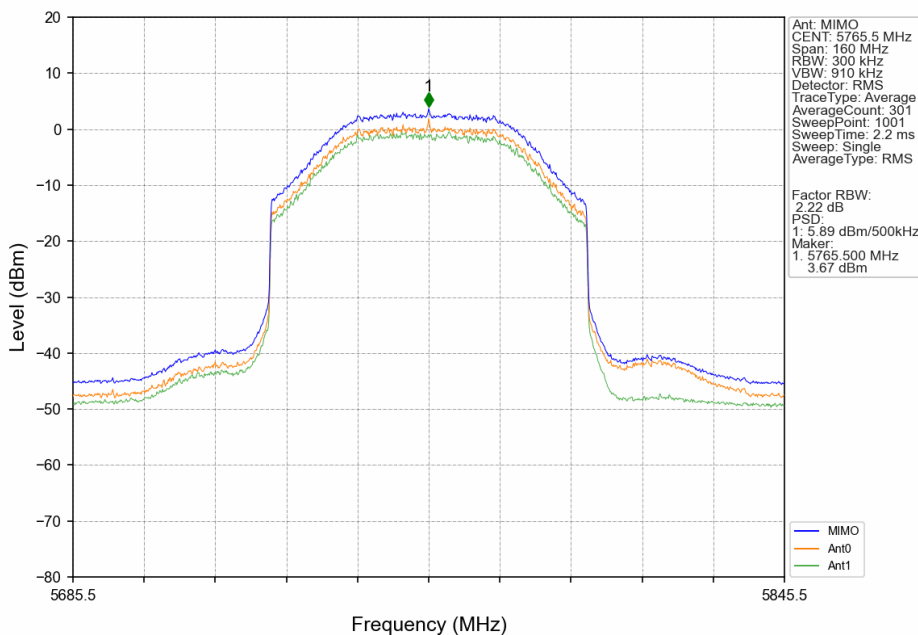
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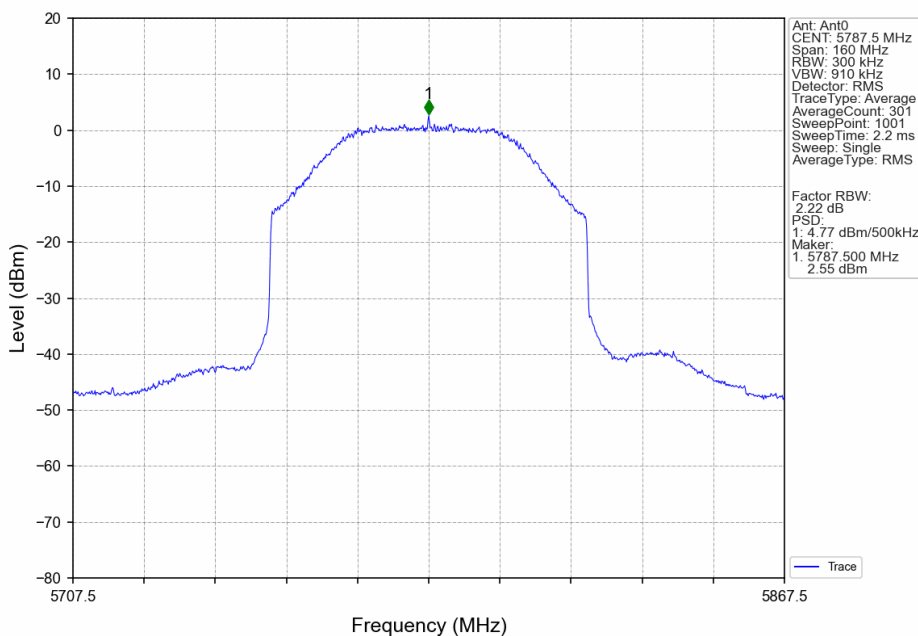
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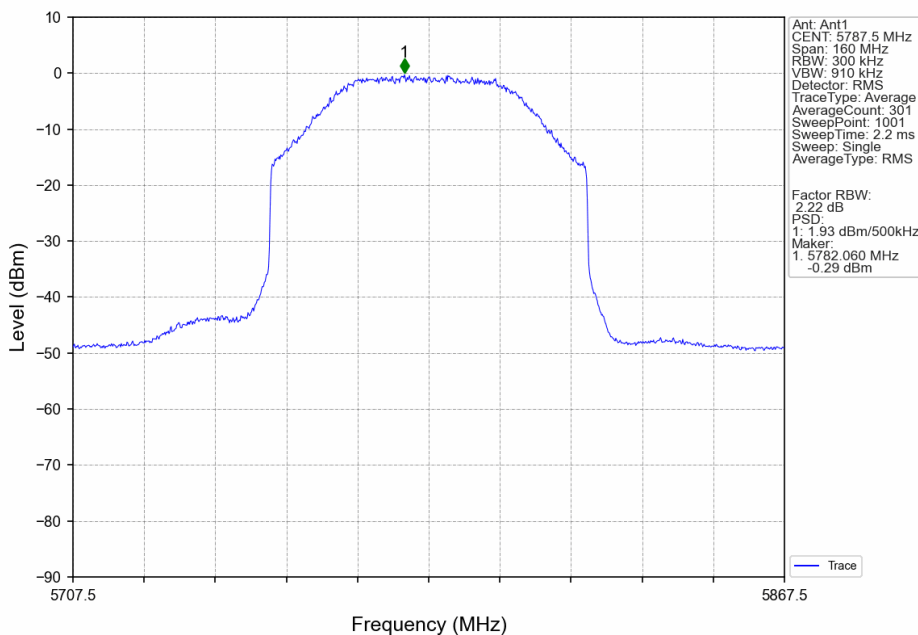
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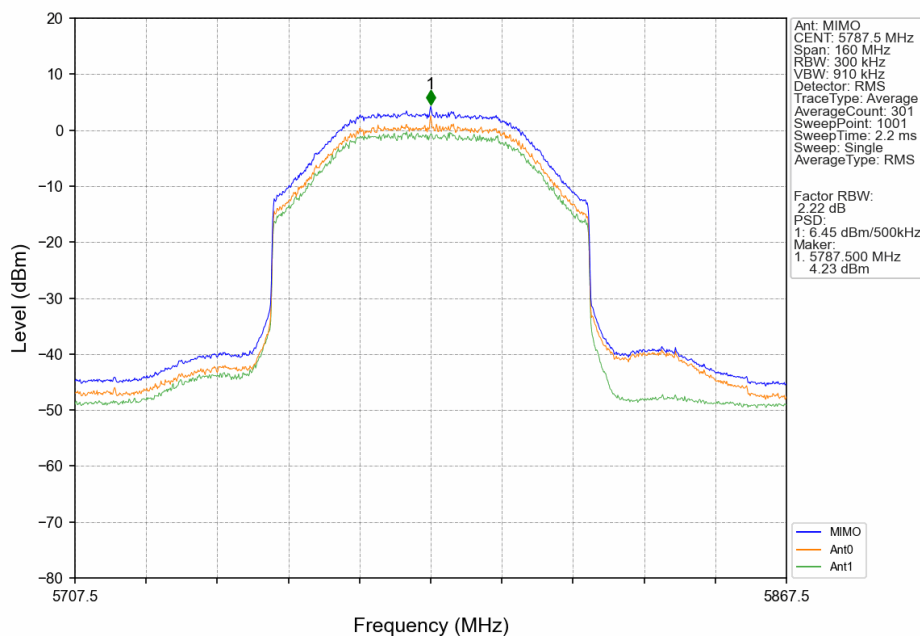
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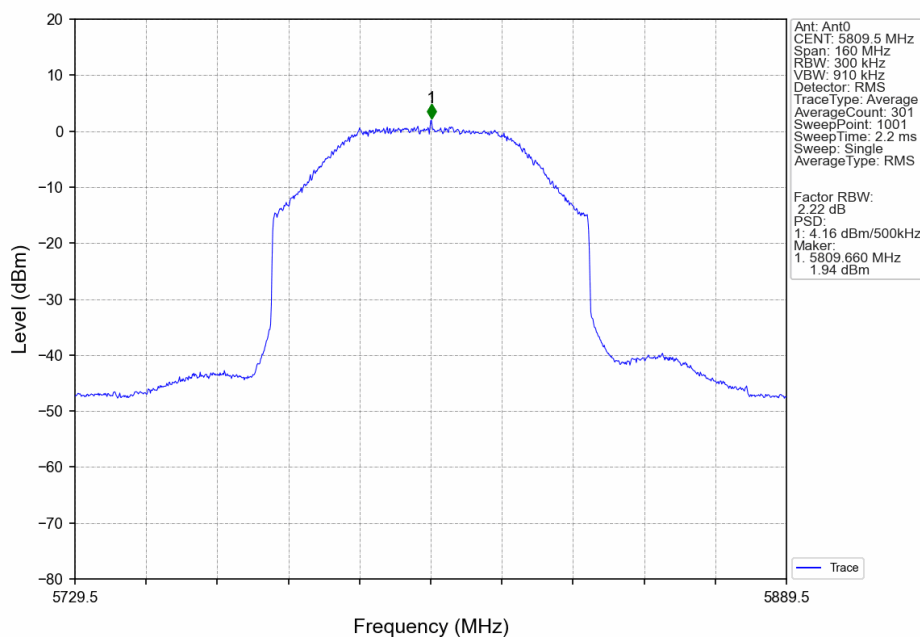
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80M_MCH_5787.5MHz_MIMO_NTNV



80M_HCH_5809.5MHz_Ant0_NTNV



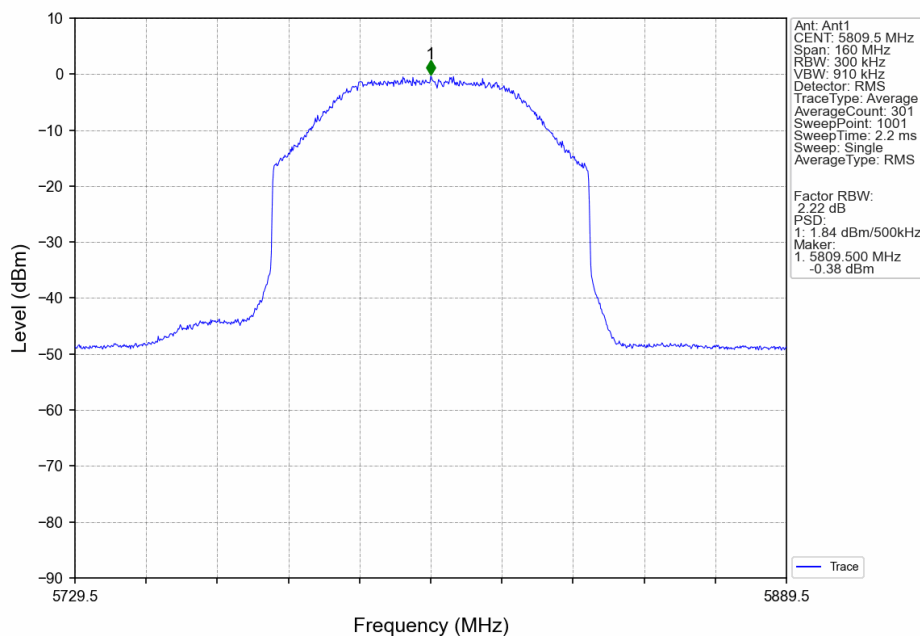
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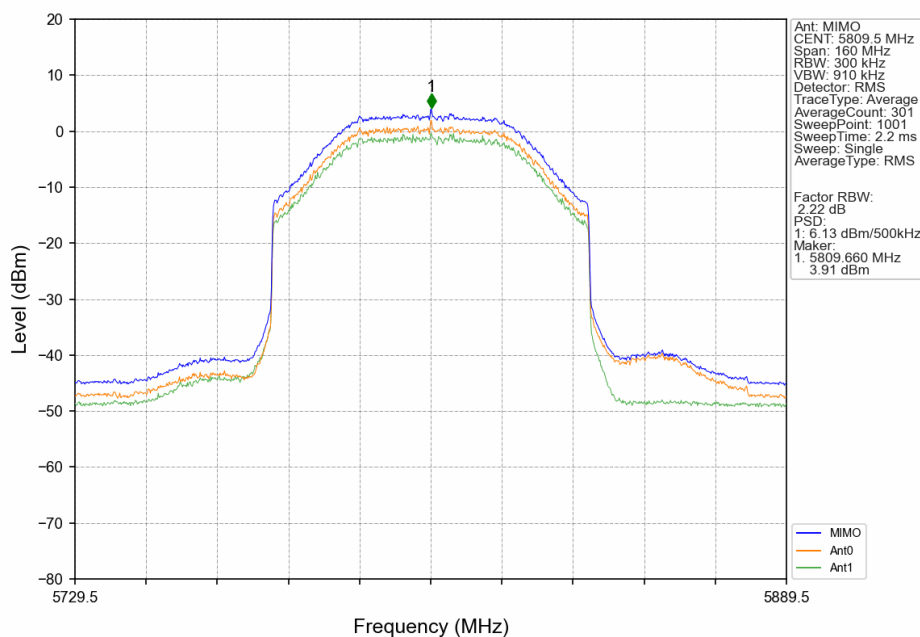
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80M_HCH_5809.5MHz_Ant1_NTNV



80M_HCH_5809.5MHz_MIMO_NTNV



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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	MIMO	5730.5	20	44.86	5730.490	5726.791 to 5734.209	Pass
				52.78	5730.510	5726.791 to 5734.209	Pass
				60.70	5730.480	5726.791 to 5734.209	Pass
			-30	52.78	5730.500	5726.791 to 5734.209	Pass
				52.78	5730.500	5726.791 to 5734.209	Pass
		5787.5	20	44.86	5787.500	5783.841 to 5791.159	Pass
				52.78	5787.490	5783.841 to 5791.159	Pass
				60.70	5787.490	5783.841 to 5791.159	Pass
			-30	52.78	5787.480	5783.841 to 5791.159	Pass
				52.78	5787.500	5783.841 to 5791.159	Pass
		5844.5	20	44.86	5844.470	5840.835 to 5848.165	Pass
				52.78	5844.480	5840.835 to 5848.165	Pass
				60.70	5844.490	5840.835 to 5848.165	Pass
			-30	52.78	5844.500	5840.835 to 5848.165	Pass
				52.78	5844.490	5840.835 to 5848.165	Pass
20M	MIMO	5735.5	20	44.86	5735.500	5728.32 to 5742.68	Pass
				52.78	5735.480	5728.32 to 5742.68	Pass
				60.70	5735.520	5728.32 to 5742.68	Pass
			-30	52.78	5735.460	5728.32 to 5742.68	Pass
				52.78	5735.480	5728.32 to 5742.68	Pass
		5787.5	20	44.86	5787.460	5780.323 to 5794.677	Pass
				52.78	5787.460	5780.323 to 5794.677	Pass
				60.70	5787.480	5780.323 to 5794.677	Pass
			-30	52.78	5787.480	5780.323 to 5794.677	Pass
				52.78	5787.440	5780.323 to 5794.677	Pass
		5839.5	20	44.86	5839.480	5832.35 to 5846.65	Pass
				52.78	5839.480	5832.35 to 5846.65	Pass
				60.70	5839.480	5832.35 to 5846.65	Pass
			-30	52.78	5839.500	5832.35 to 5846.65	Pass



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			50	52.78	5839.500	5832.35 to 5846.65	Pass
40M	MIMO	5745.5	20	44.86	5745.220	5732.766 to 5758.234	Pass
				52.78	5745.140	5732.766 to 5758.234	Pass
				60.70	5745.460	5732.766 to 5758.234	Pass
			-30	52.78	5745.140	5732.766 to 5758.234	Pass
			50	52.78	5745.260	5732.766 to 5758.234	Pass
		5787.5	20	44.86	5787.180	5774.685 to 5800.315	Pass
				52.78	5787.180	5774.685 to 5800.315	Pass
				60.70	5787.020	5774.685 to 5800.315	Pass
			-30	52.78	5786.900	5774.685 to 5800.315	Pass
			50	52.78	5787.660	5774.685 to 5800.315	Pass
		5829.5	20	44.86	5829.500	5816.791 to 5842.209	Pass
				52.78	5829.380	5816.791 to 5842.209	Pass
				60.70	5829.100	5816.791 to 5842.209	Pass
			-30	52.78	5829.220	5816.791 to 5842.209	Pass
			50	52.78	5829.740	5816.791 to 5842.209	Pass
60M	MIMO	5755.5	20	44.86	5755.500	5734.607 to 5776.393	Pass
				52.78	5755.500	5734.607 to 5776.393	Pass
				60.70	5755.500	5734.607 to 5776.393	Pass
			-30	52.78	5755.560	5734.607 to 5776.393	Pass
			50	52.78	5755.560	5734.607 to 5776.393	Pass
		5787.5	20	44.86	5787.620	5766.67 to 5808.33	Pass
				52.78	5787.440	5766.67 to 5808.33	Pass
				60.70	5787.500	5766.67 to 5808.33	Pass
			-30	52.78	5787.500	5766.67 to 5808.33	Pass
			50	52.78	5787.560	5766.67 to 5808.33	Pass
		5819.5	20	44.86	5819.500	5798.627 to 5840.373	Pass
				52.78	5819.500	5798.627 to 5840.373	Pass
				60.70	5819.500	5798.627 to 5840.373	Pass
			-30	52.78	5819.500	5798.627 to 5840.373	Pass
			50	52.78	5819.500	5798.627 to 5840.373	Pass
80M	MIMO	5765.5	20	44.86	5765.125	5740.637 to 5790.363	Pass
				52.78	5765.200	5740.637 to 5790.363	Pass
				60.70	5765.200	5740.637 to 5790.363	Pass
			-30	52.78	5765.350	5740.637 to 5790.363	Pass
			50	52.78	5765.125	5740.637 to 5790.363	Pass
		5787.5	20	44.86	5787.125	5762.838 to 5812.162	Pass
				52.78	5787.125	5762.838 to 5812.162	Pass
				60.70	5787.200	5762.838 to 5812.162	Pass
			-30	52.78	5787.125	5762.838 to 5812.162	Pass



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		50	52.78	5787.125	5762.838 to 5812.162	Pass
	5809.5	20	44.86	5809.125	5784.7 to 5834.3	Pass
			52.78	5809.050	5784.7 to 5834.3	Pass
			60.70	5809.200	5784.7 to 5834.3	Pass
		-30	52.78	5809.050	5784.7 to 5834.3	Pass
		50	52.78	5809.200	5784.7 to 5834.3	Pass

5.1.2 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
10M	MIMO	5730.5	20	44.86	5730.500	5726.791 to 5734.209	Pass
				52.78	5730.490	5726.791 to 5734.209	Pass
				60.70	5730.490	5726.791 to 5734.209	Pass
			-30	52.78	5730.480	5726.791 to 5734.209	Pass
			50	52.78	5730.510	5726.791 to 5734.209	Pass
		5787.5	20	44.86	5787.500	5783.841 to 5791.159	Pass
				52.78	5787.480	5783.841 to 5791.159	Pass
				60.70	5787.480	5783.841 to 5791.159	Pass
			-30	52.78	5787.510	5783.841 to 5791.159	Pass
			50	52.78	5787.490	5783.841 to 5791.159	Pass
		5844.5	20	44.86	5844.490	5840.835 to 5848.165	Pass
				52.78	5844.510	5840.835 to 5848.165	Pass
				60.70	5844.510	5840.835 to 5848.165	Pass
			-30	52.78	5844.520	5840.835 to 5848.165	Pass
			50	52.78	5844.490	5840.835 to 5848.165	Pass
20M	MIMO	5735.5	20	44.86	5735.480	5728.32 to 5742.68	Pass
				52.78	5735.460	5728.32 to 5742.68	Pass
				60.70	5735.480	5728.32 to 5742.68	Pass
			-30	52.78	5735.520	5728.32 to 5742.68	Pass
			50	52.78	5735.480	5728.32 to 5742.68	Pass
		5787.5	20	44.86	5787.480	5780.323 to 5794.677	Pass
				52.78	5787.460	5780.323 to 5794.677	Pass
				60.70	5787.500	5780.323 to 5794.677	Pass
			-30	52.78	5787.460	5780.323 to 5794.677	Pass
			50	52.78	5787.480	5780.323 to 5794.677	Pass
		5839.5	20	44.86	5839.500	5832.35 to 5846.65	Pass
				52.78	5839.500	5832.35 to 5846.65	Pass
				60.70	5839.500	5832.35 to 5846.65	Pass



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			-30	52.78	5839.480	5832.35 to 5846.65	Pass
			50	52.78	5839.520	5832.35 to 5846.65	Pass
40M	MIMO	5745.5	20	44.86	5745.420	5732.766 to 5758.234	Pass
				52.78	5745.460	5732.766 to 5758.234	Pass
				60.70	5745.500	5732.766 to 5758.234	Pass
			-30	52.78	5745.460	5732.766 to 5758.234	Pass
				52.78	5745.580	5732.766 to 5758.234	Pass
				52.78	5745.580	5732.766 to 5758.234	Pass
		5787.5	20	44.86	5787.380	5774.685 to 5800.315	Pass
				52.78	5787.420	5774.685 to 5800.315	Pass
				60.70	5787.540	5774.685 to 5800.315	Pass
			-30	52.78	5787.580	5774.685 to 5800.315	Pass
				52.78	5787.540	5774.685 to 5800.315	Pass
				52.78	5787.540	5774.685 to 5800.315	Pass
		5829.5	20	44.86	5829.340	5816.791 to 5842.209	Pass
				52.78	5829.820	5816.791 to 5842.209	Pass
				60.70	5829.780	5816.791 to 5842.209	Pass
			-30	52.78	5829.380	5816.791 to 5842.209	Pass
				52.78	5829.420	5816.791 to 5842.209	Pass
				52.78	5829.420	5816.791 to 5842.209	Pass
60M	MIMO	5755.5	20	44.86	5755.560	5734.607 to 5776.393	Pass
				52.78	5755.500	5734.607 to 5776.393	Pass
				60.70	5755.560	5734.607 to 5776.393	Pass
			-30	52.78	5755.560	5734.607 to 5776.393	Pass
				52.78	5755.560	5734.607 to 5776.393	Pass
				52.78	5755.560	5734.607 to 5776.393	Pass
		5787.5	20	44.86	5787.560	5766.67 to 5808.33	Pass
				52.78	5787.500	5766.67 to 5808.33	Pass
				60.70	5787.500	5766.67 to 5808.33	Pass
			-30	52.78	5787.500	5766.67 to 5808.33	Pass
				52.78	5787.500	5766.67 to 5808.33	Pass
				52.78	5787.500	5766.67 to 5808.33	Pass
		5819.5	20	44.86	5819.620	5798.627 to 5840.373	Pass
				52.78	5819.500	5798.627 to 5840.373	Pass
				60.70	5819.560	5798.627 to 5840.373	Pass
			-30	52.78	5819.440	5798.627 to 5840.373	Pass
				52.78	5819.500	5798.627 to 5840.373	Pass
				52.78	5819.500	5798.627 to 5840.373	Pass
80M	MIMO	5765.5	20	44.86	5765.050	5740.637 to 5790.363	Pass
				52.78	5765.200	5740.637 to 5790.363	Pass
				60.70	5765.050	5740.637 to 5790.363	Pass
			-30	52.78	5765.050	5740.637 to 5790.363	Pass
				52.78	5765.125	5740.637 to 5790.363	Pass
				52.78	5765.125	5740.637 to 5790.363	Pass
		5787.5	20	44.86	5786.975	5762.838 to 5812.162	Pass
				52.78	5787.050	5762.838 to 5812.162	Pass
				60.70	5787.050	5762.838 to 5812.162	Pass



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			-30	52.78	5786.900	5762.838 to 5812.162	Pass
			50	52.78	5786.900	5762.838 to 5812.162	Pass
		5809.5	20	44.86	5809.125	5784.7 to 5834.3	Pass
				52.78	5809.275	5784.7 to 5834.3	Pass
				60.70	5809.125	5784.7 to 5834.3	Pass
			-30	52.78	5809.125	5784.7 to 5834.3	Pass
			50	52.78	5809.125	5784.7 to 5834.3	Pass



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For ANT 2 & ANT 3:

1. Duty Cycle

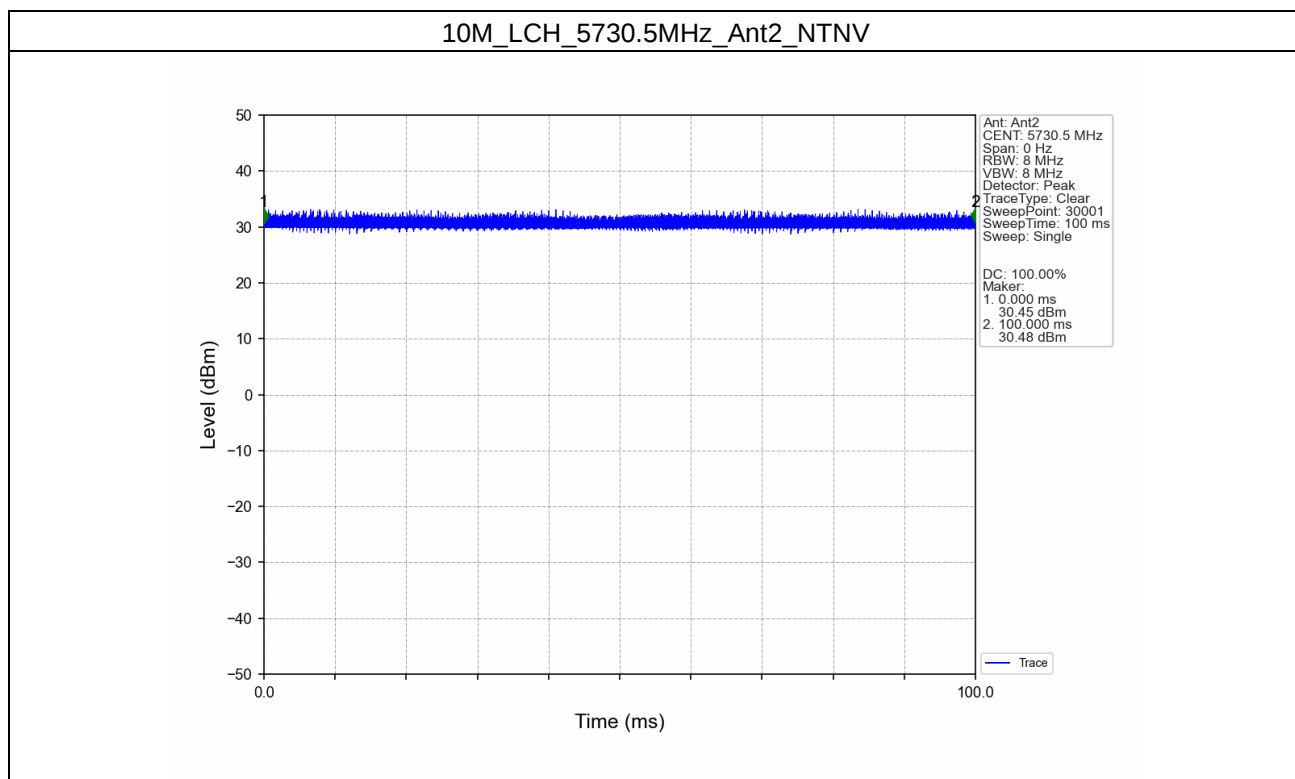
1.1 Test Result

1.1.1 Ant2

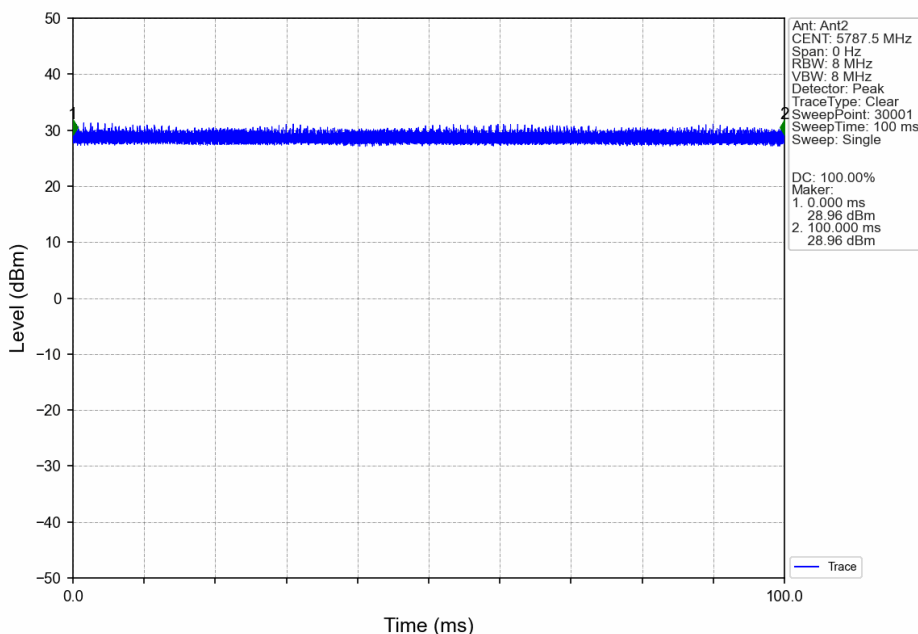
Ant2							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
10M	MIMO	5730.5	100.000	100.000	100.00	0.00	0.00
		5787.5	100.000	100.000	100.00	0.00	0.00
		5844.5	100.000	100.000	100.00	0.00	0.00
20M	MIMO	5735.5	100.000	100.000	100.00	0.00	0.00
		5787.5	100.000	100.000	100.00	0.00	0.00
		5839.5	100.000	100.000	100.00	0.00	0.00
40M	MIMO	5745.5	100.000	100.000	100.00	0.00	0.00
		5787.5	100.000	100.000	100.00	0.00	0.00
		5829.5	100.000	100.000	100.00	0.00	0.00
60M	MIMO	5755.5	100.000	100.000	100.00	0.00	0.00
		5787.5	100.000	100.000	100.00	0.00	0.00
		5819.5	100.000	100.000	100.00	0.00	0.00
80M	MIMO	5765.5	100.000	100.000	100.00	0.00	0.00
		5787.5	100.000	100.000	100.00	0.00	0.00
		5809.5	100.000	100.000	100.00	0.00	0.00

1.2 Test Graph

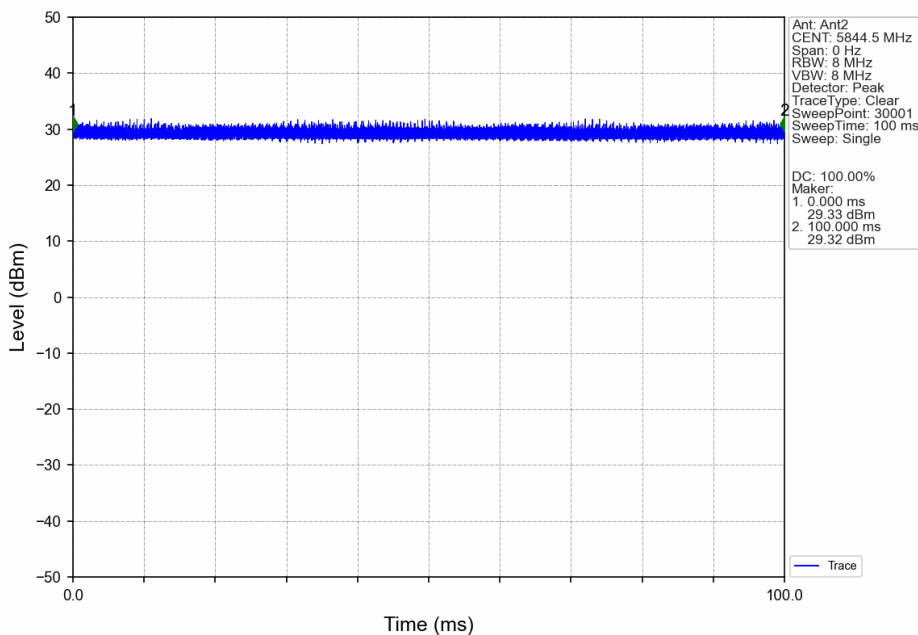
1.2.1 Ant2



10M_MCH_5787.5MHz_Ant2_NTNV



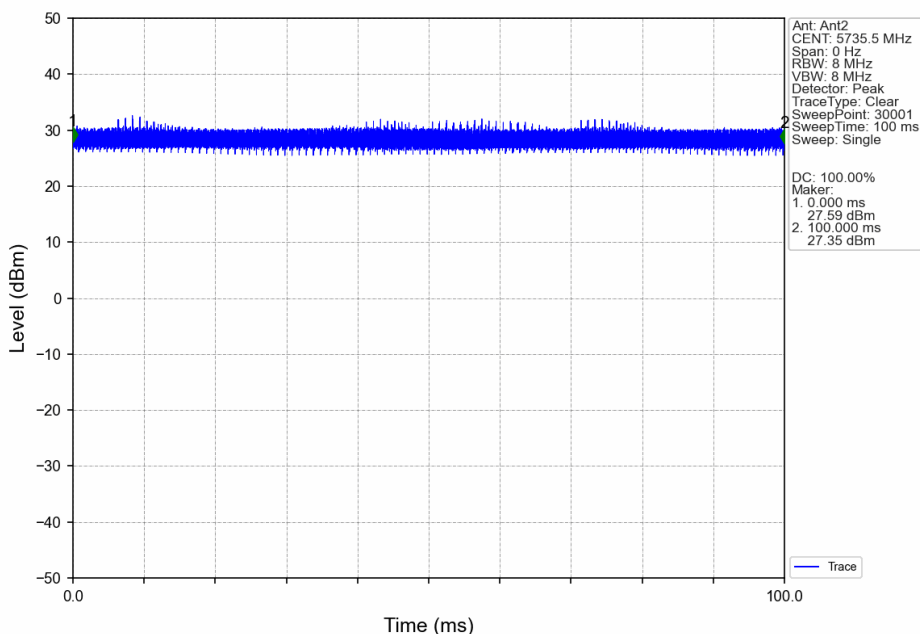
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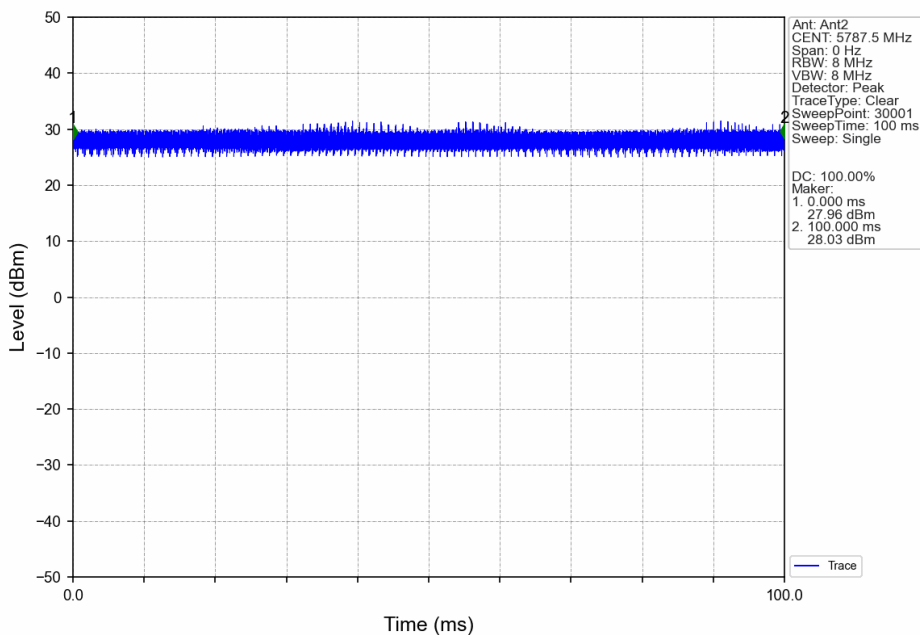
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20M_LCH_5735.5MHz_Ant2_NTNV



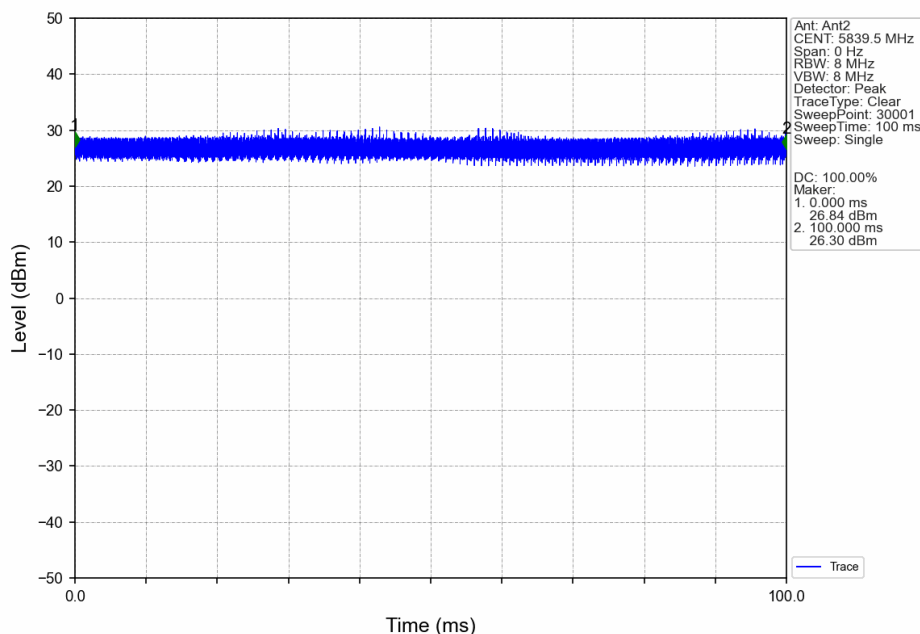
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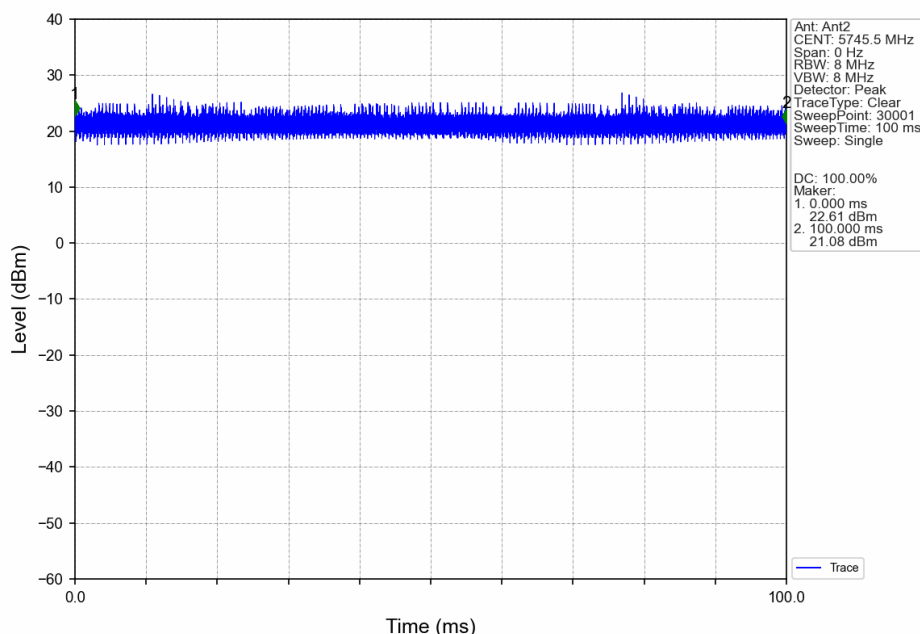
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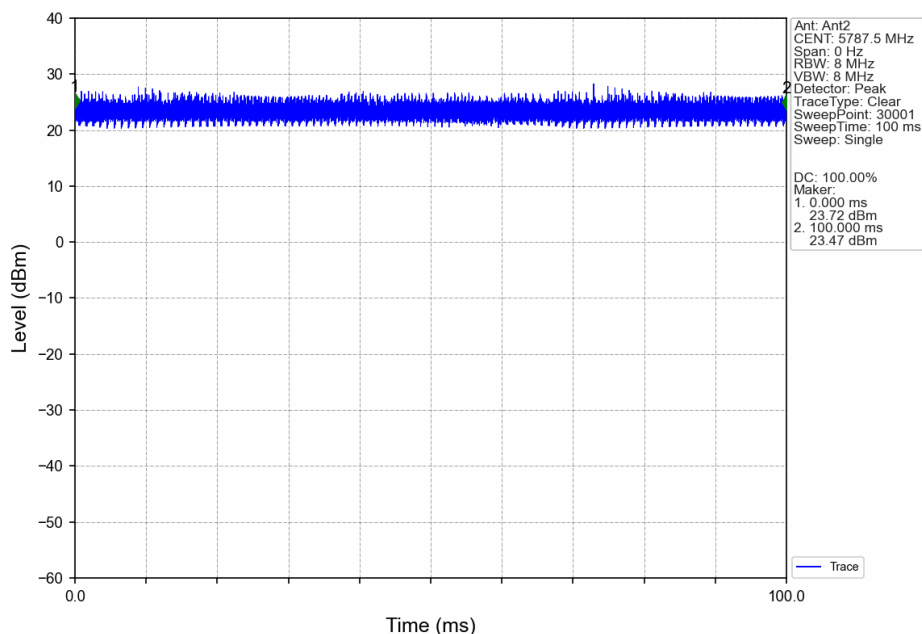
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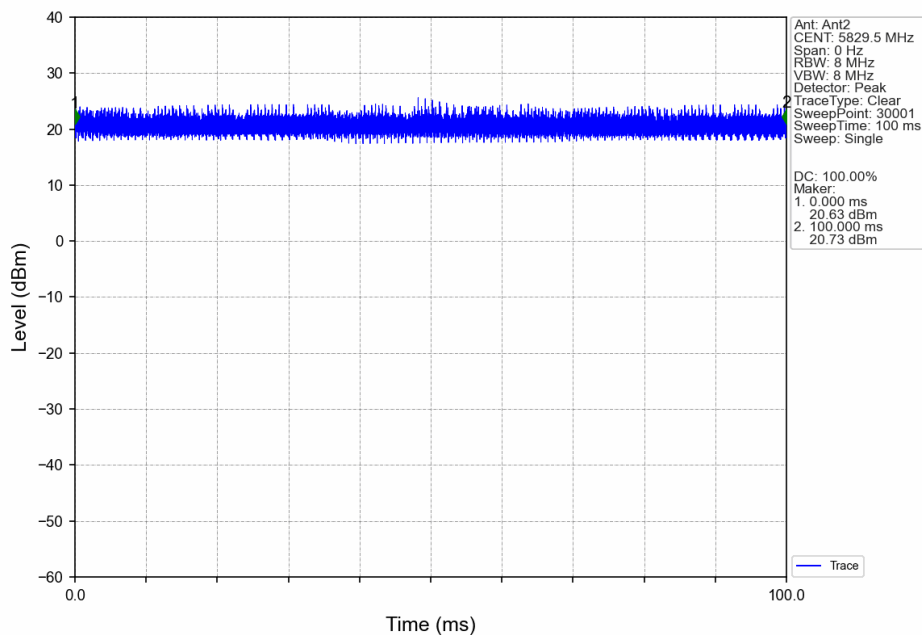
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40M_MCH_5787.5MHz_Ant2_NTNV



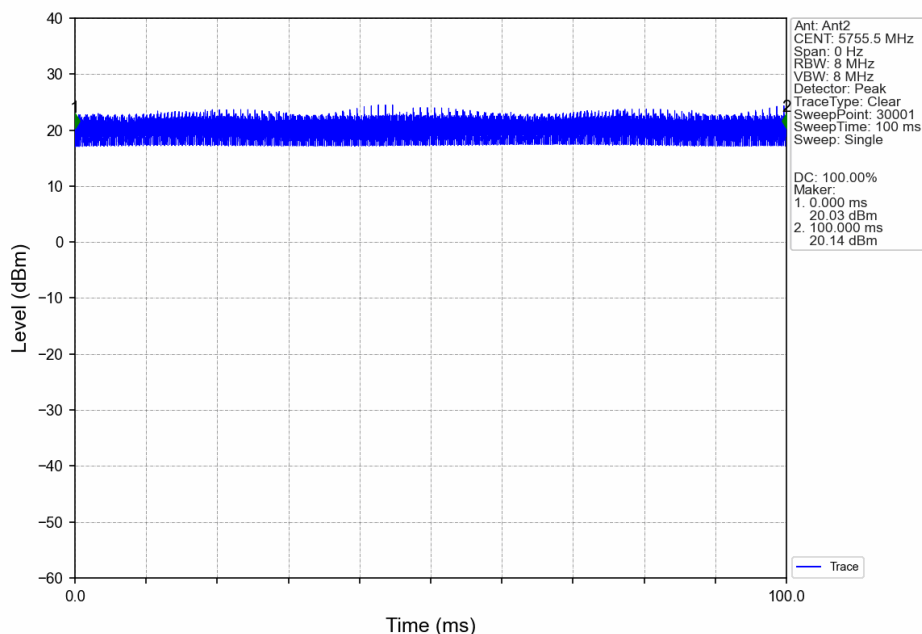
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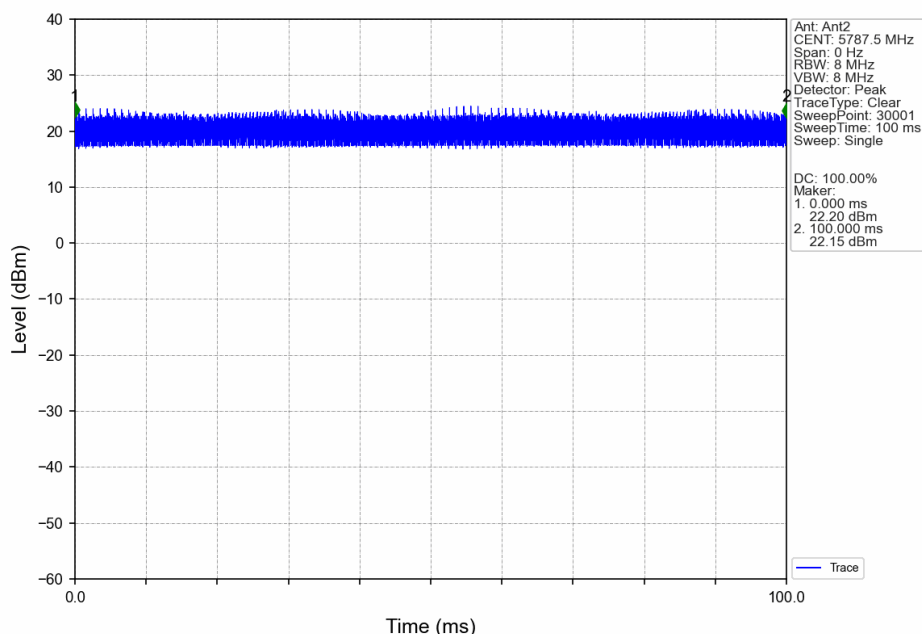
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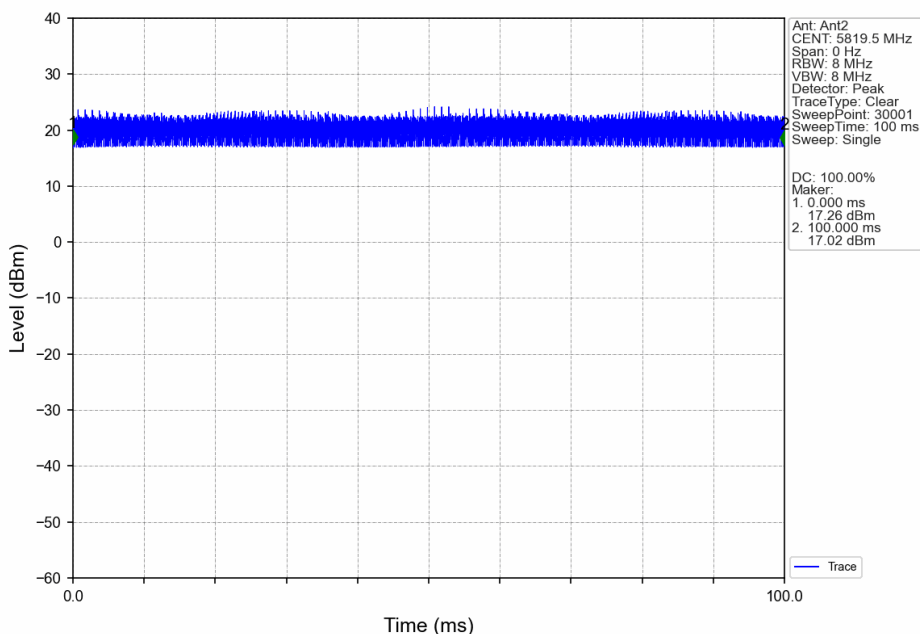
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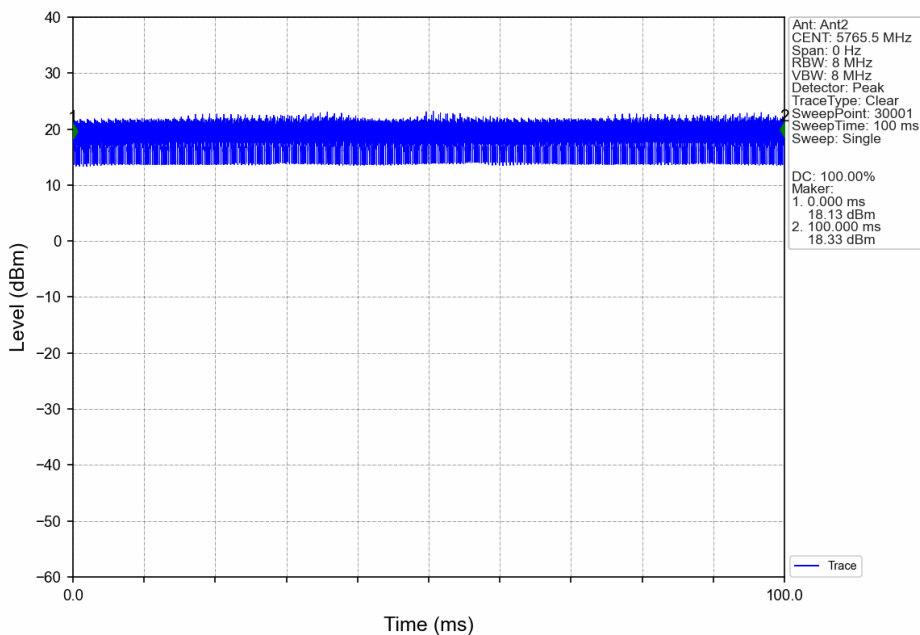
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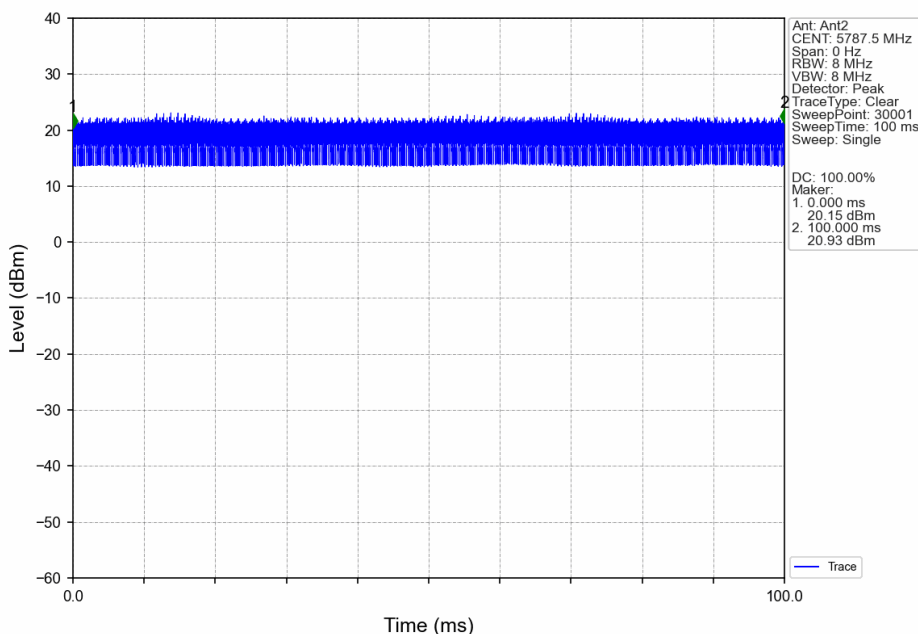
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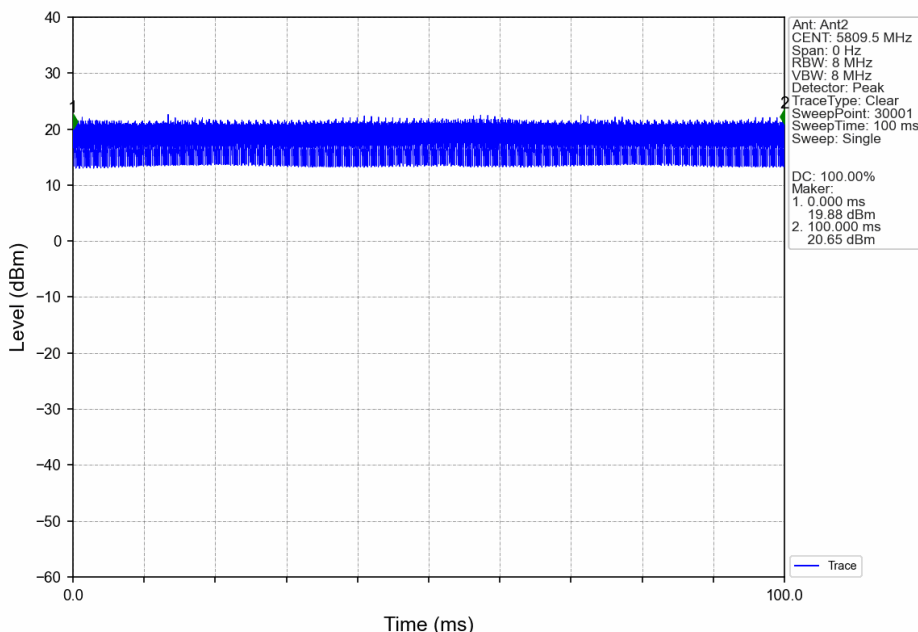
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80M_MCH_5787.5MHz_Ant2_NTNV



80M_HCH_5809.5MHz_Ant2_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
10M	MIMO	5730.5	2	9.272	/	Pass
		5787.5	2	9.148	/	Pass
		5844.5	2	9.163	/	Pass
20M	MIMO	5735.5	2	17.950	/	Pass
		5787.5	2	17.942	/	Pass
		5839.5	2	17.875	/	Pass
40M	MIMO	5745.5	2	31.836	/	Pass
		5787.5	2	32.037	/	Pass
		5829.5	2	31.772	/	Pass
60M	MIMO	5755.5	2	52.098	/	Pass
		5787.5	2	52.227	/	Pass
		5819.5	2	52.257	/	Pass
80M	MIMO	5765.5	2	61.891	/	Pass
		5787.5	2	61.941	/	Pass
		5809.5	2	62.010	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
10M	MIMO	5730.5	2	9.035	≥ 0.5	Pass
		5787.5	2	9.035	≥ 0.5	Pass
		5844.5	2	9.040	≥ 0.5	Pass
20M	MIMO	5735.5	2	17.729	≥ 0.5	Pass
		5787.5	2	17.728	≥ 0.5	Pass
		5839.5	2	17.750	≥ 0.5	Pass
40M	MIMO	5745.5	2	22.699	≥ 0.5	Pass
		5787.5	2	22.736	≥ 0.5	Pass
		5829.5	2	21.810	≥ 0.5	Pass
60M	MIMO	5755.5	2	41.217	≥ 0.5	Pass
		5787.5	2	40.396	≥ 0.5	Pass





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		5819.5	2	41.038	≥ 0.5	Pass
80M	MIMO	5765.5	2	40.908	≥ 0.5	Pass
		5787.5	2	40.914	≥ 0.5	Pass
		5809.5	2	40.823	≥ 0.5	Pass



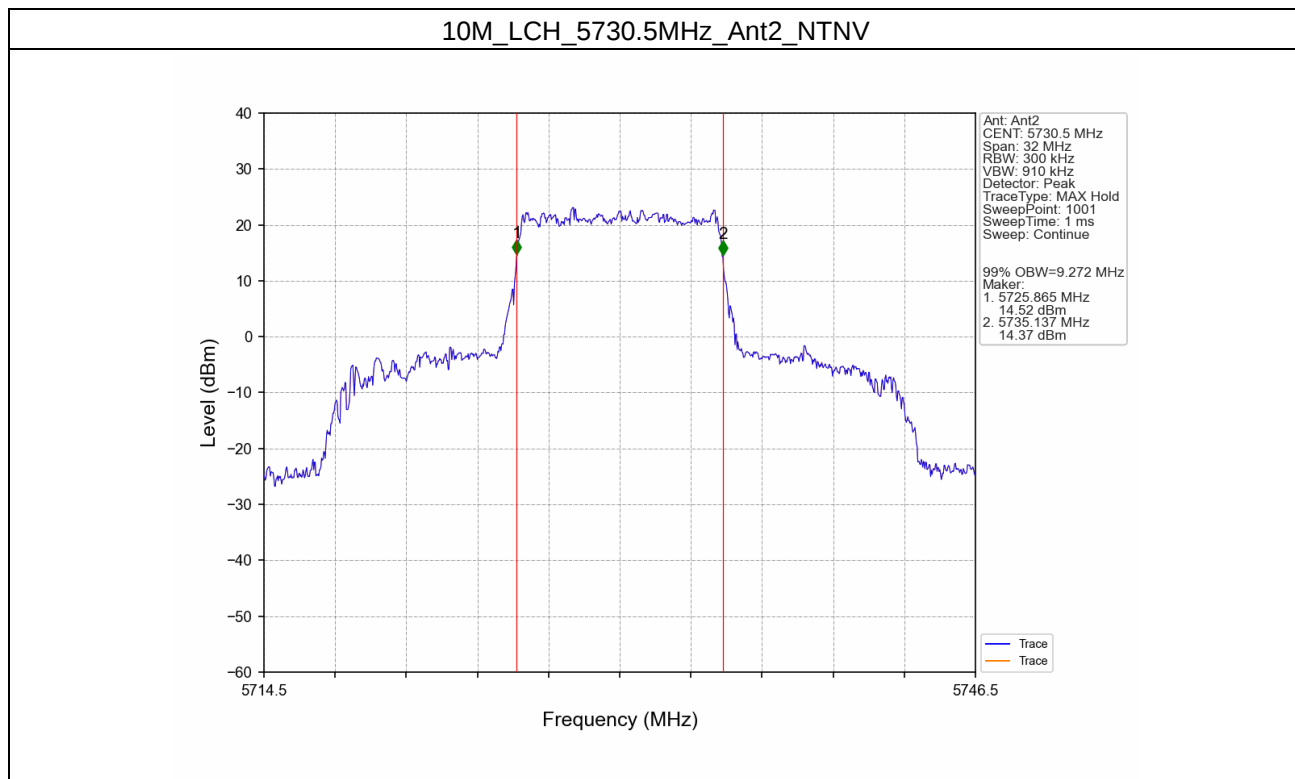
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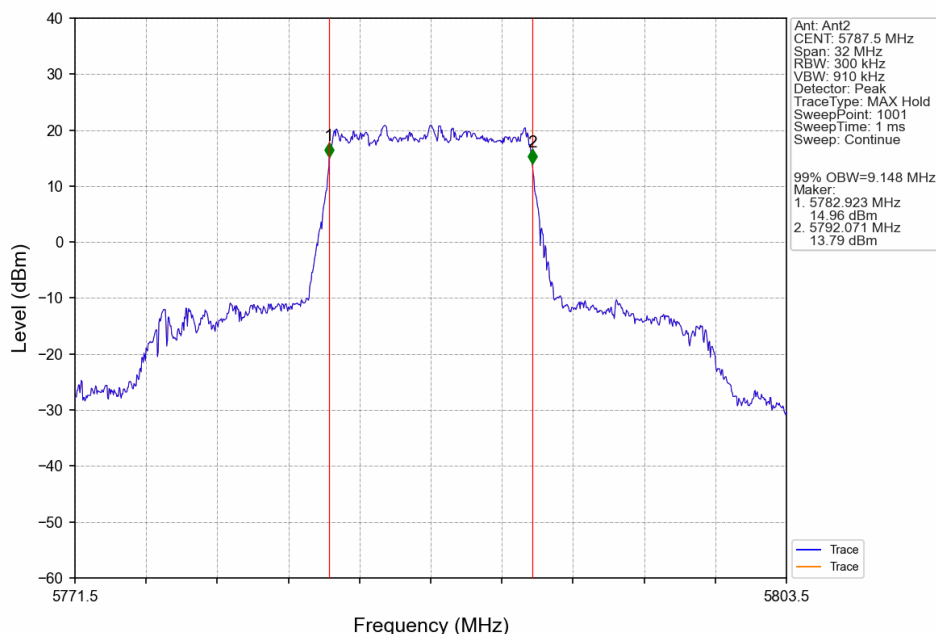
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2.2 Test Graph

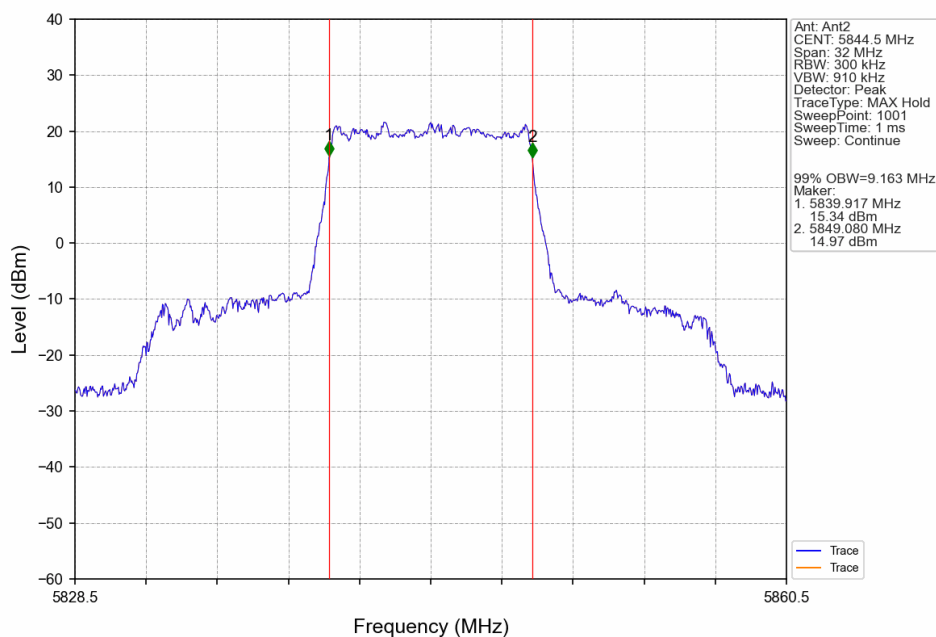
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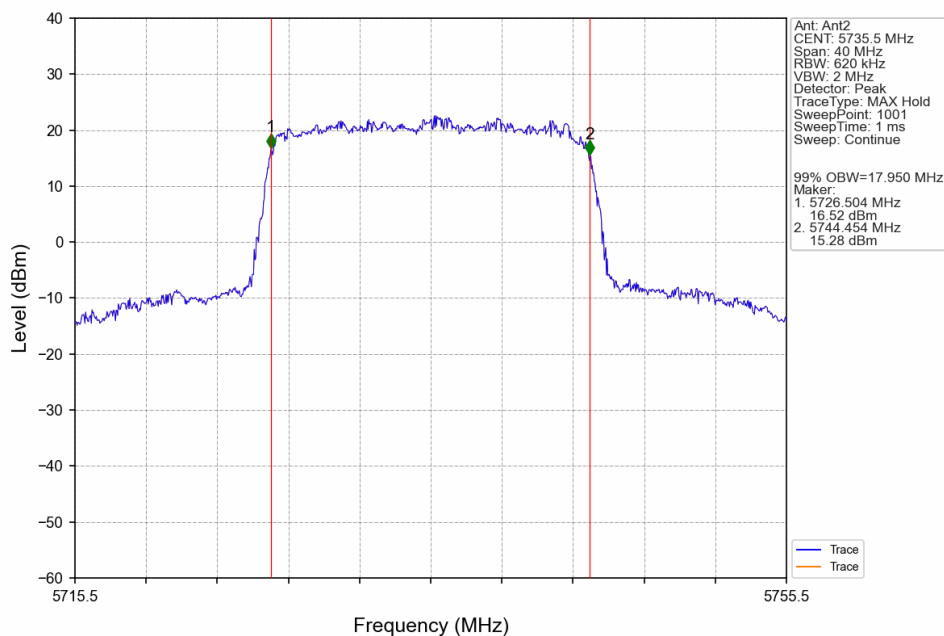
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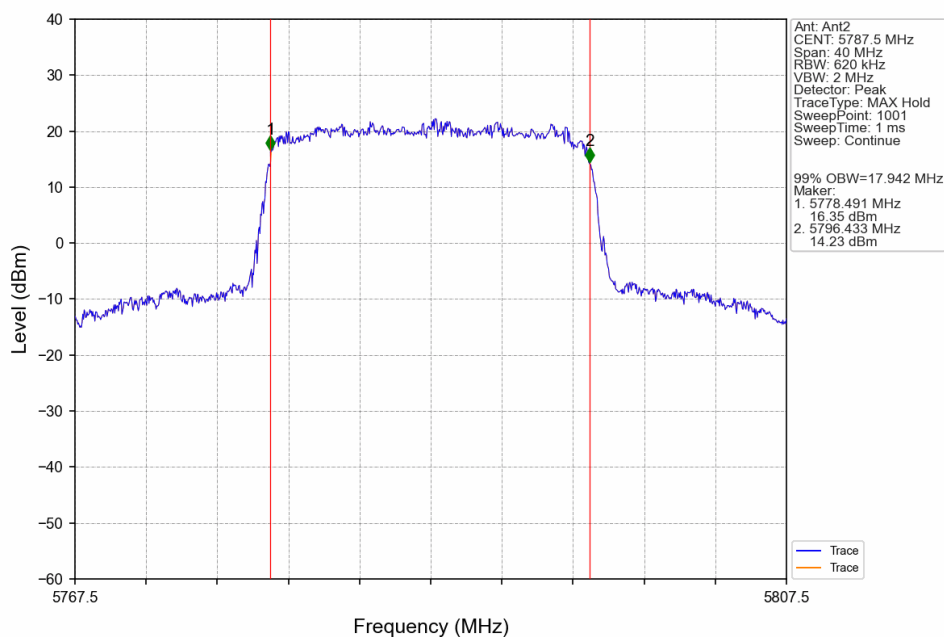
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20M_LCH_5735.5MHz_Ant2_NTNV



20M_MCH_5787.5MHz_Ant2_NTNV



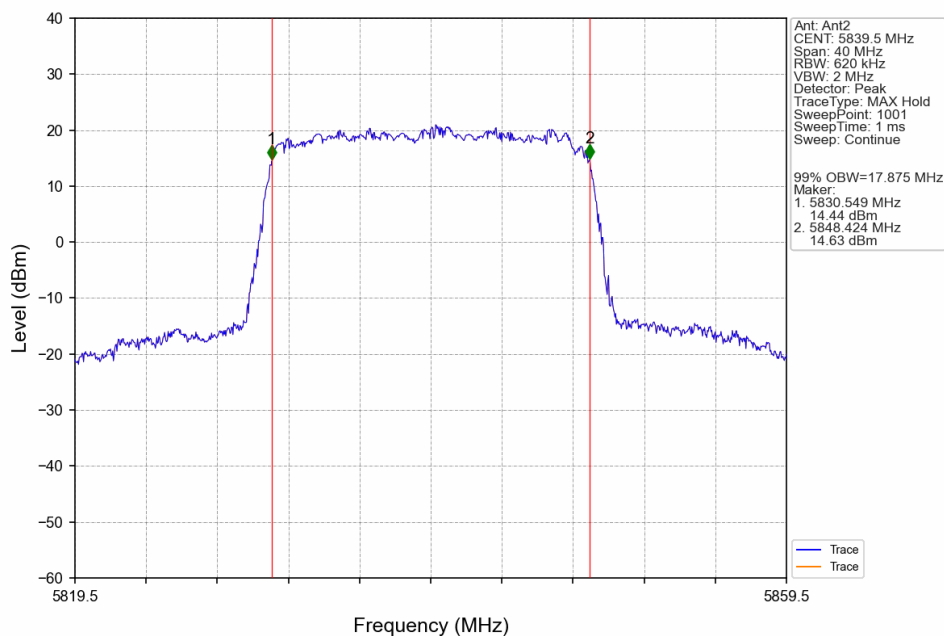
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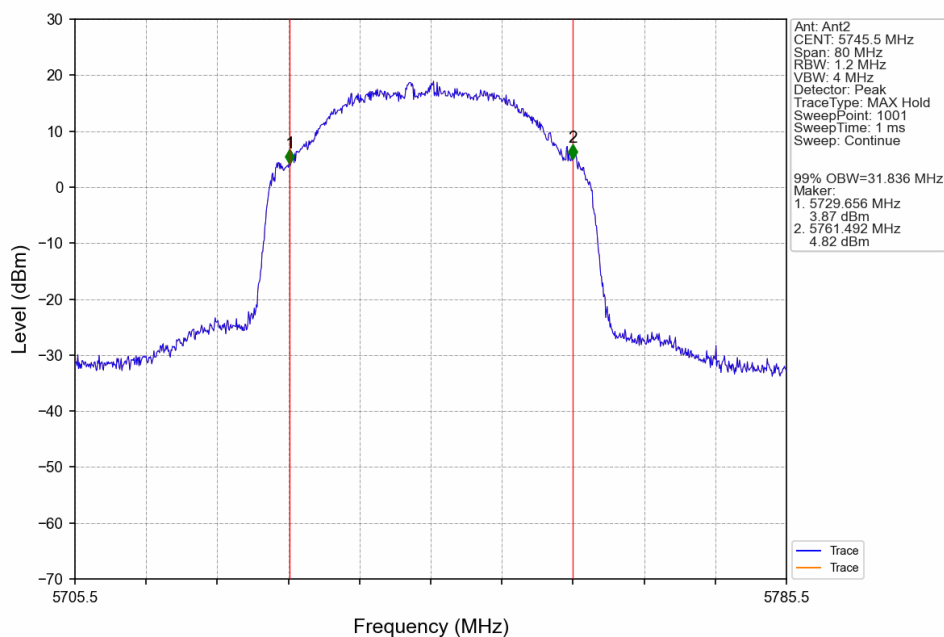
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20M_HCH_5839.5MHz_Ant2_NTNV



40M_LCH_5745.5MHz_Ant2_NTNV



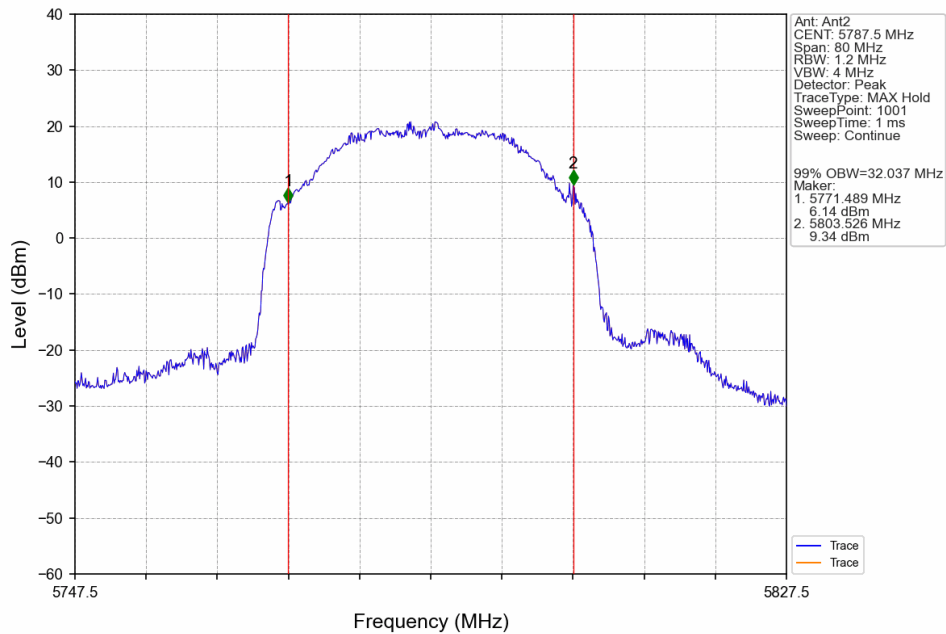
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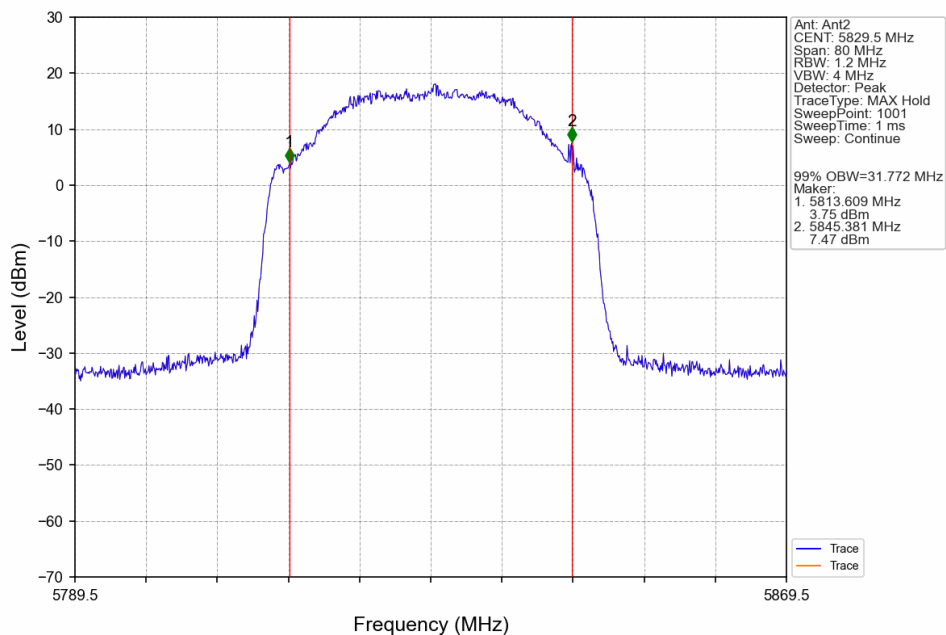
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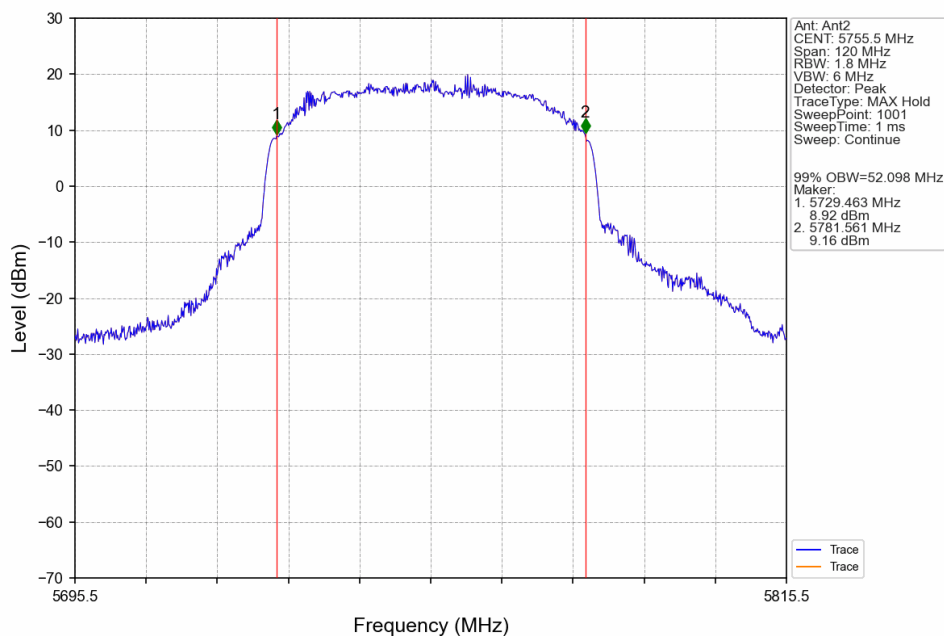
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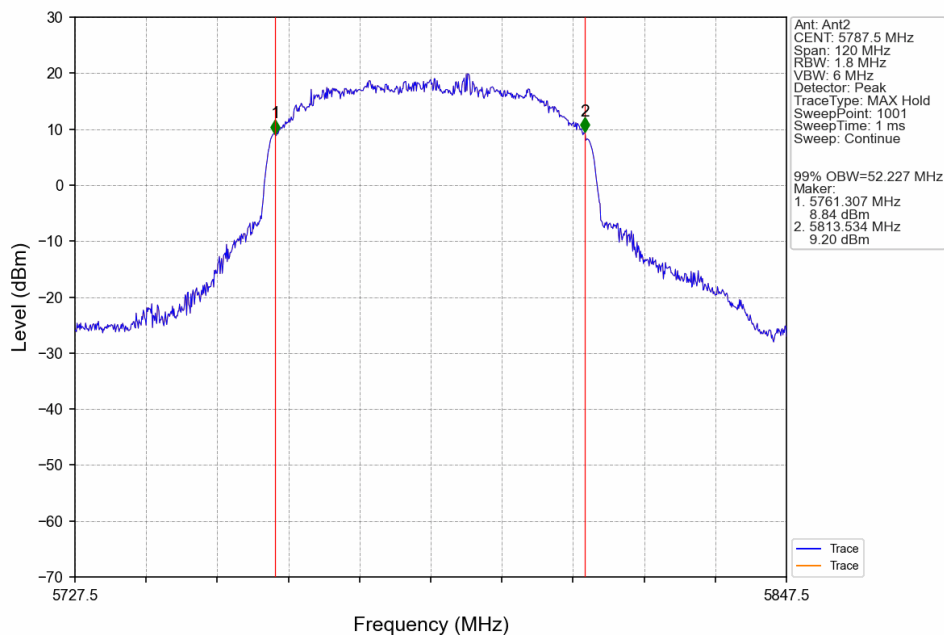
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60M_MCH_5787.5MHz_Ant2_NTNV



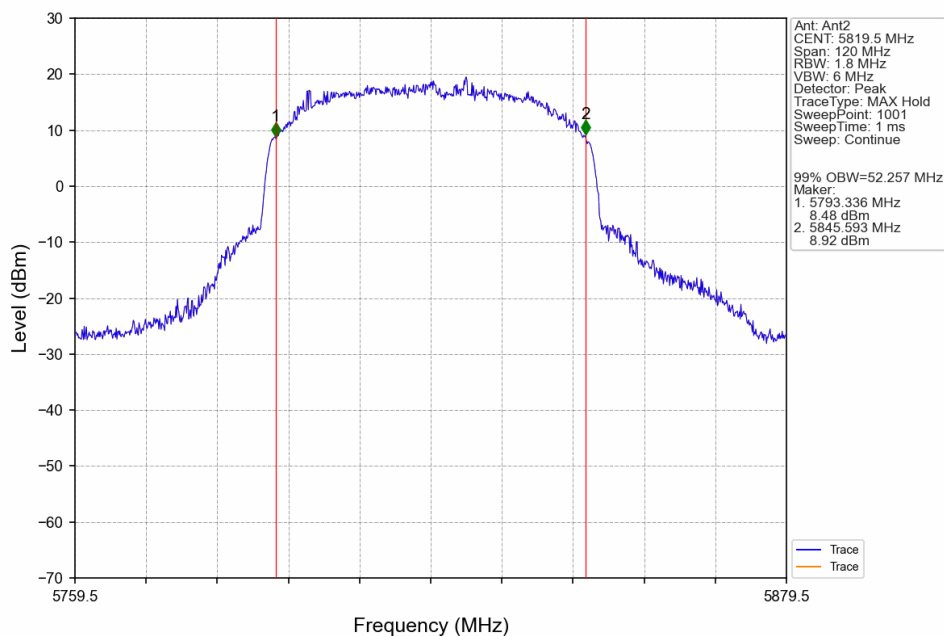
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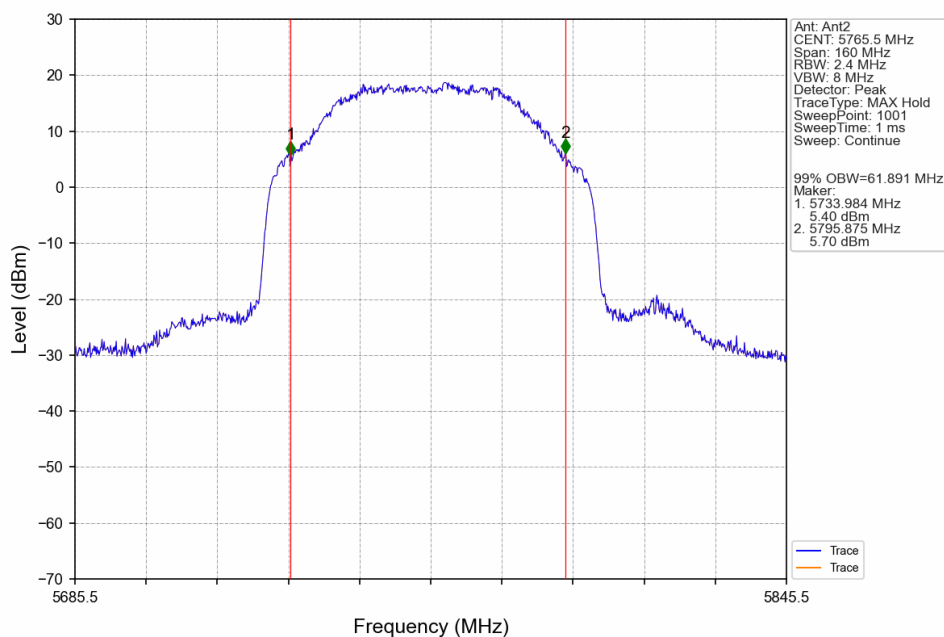
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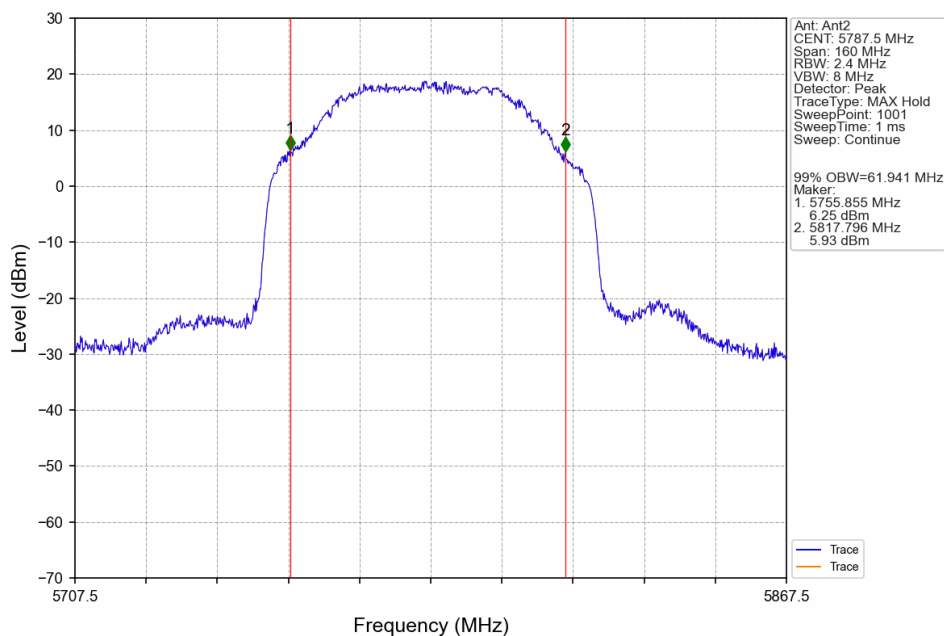
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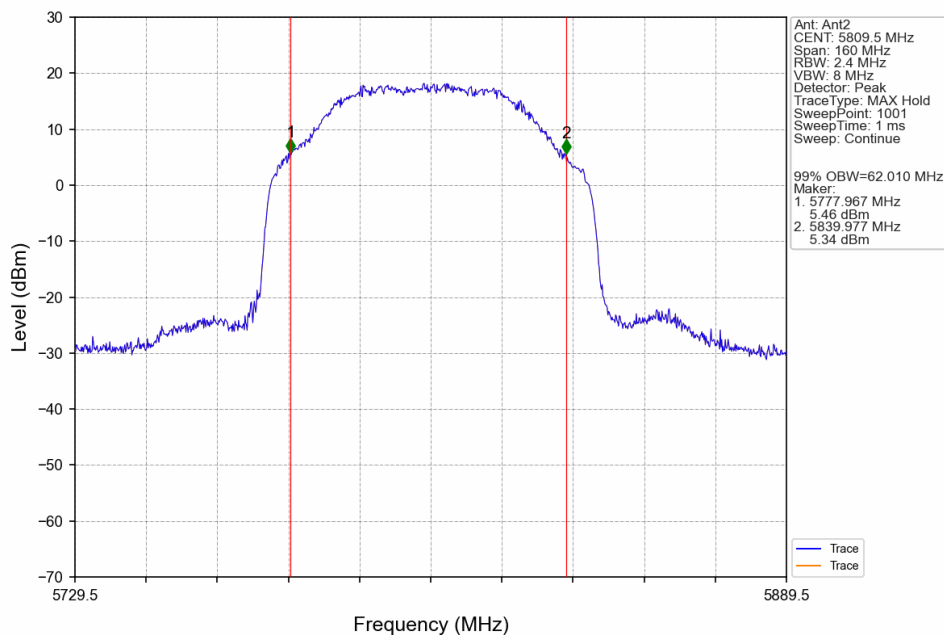
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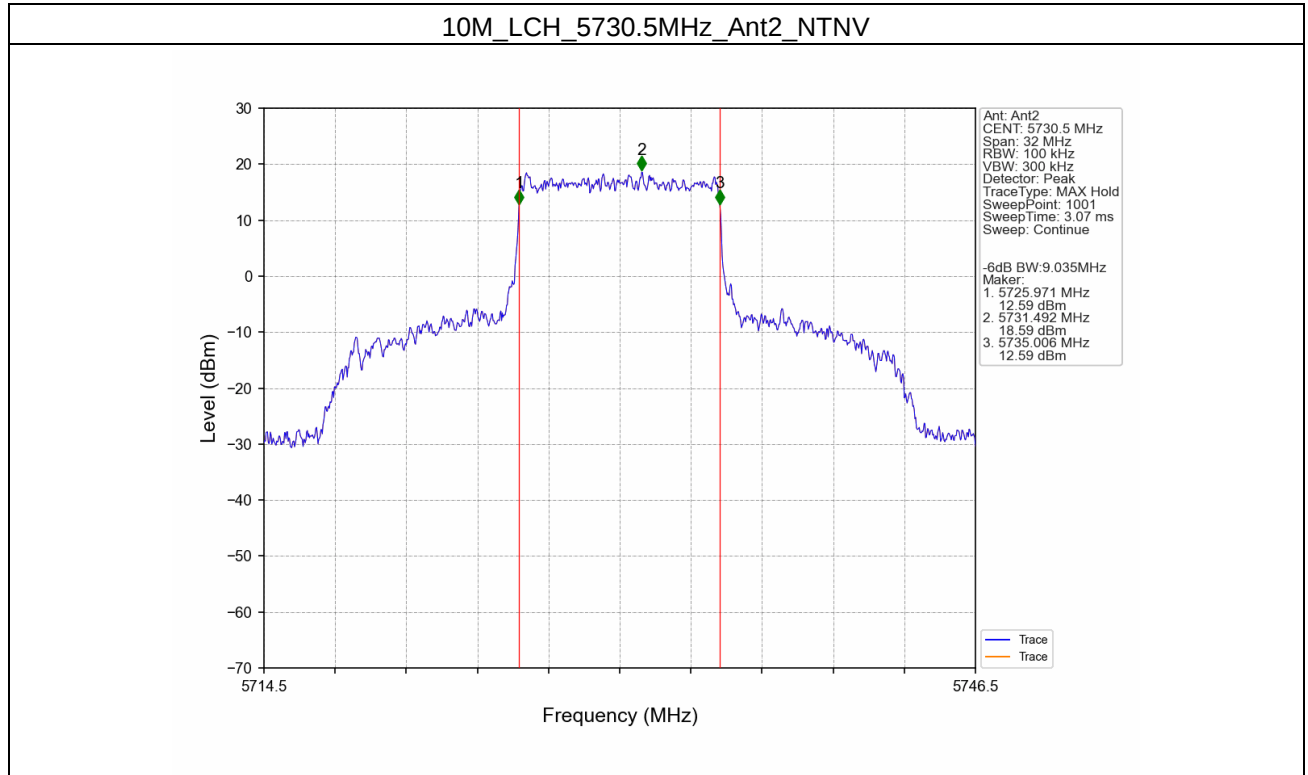
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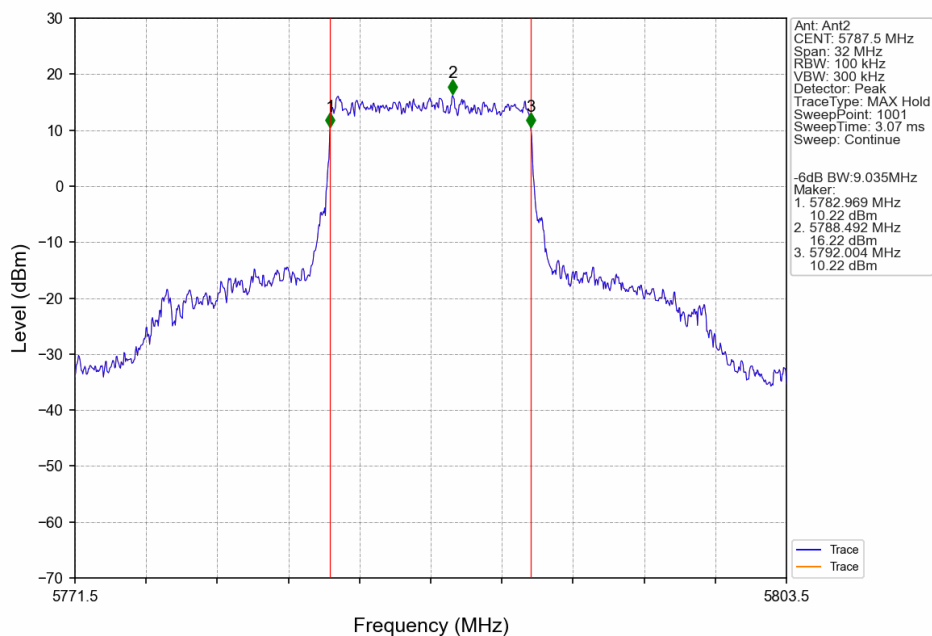
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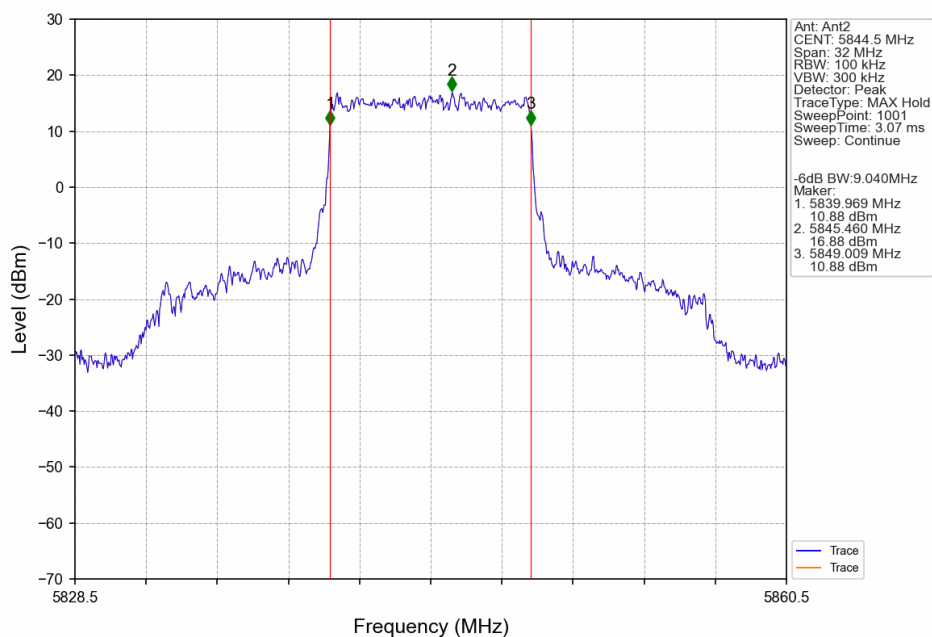
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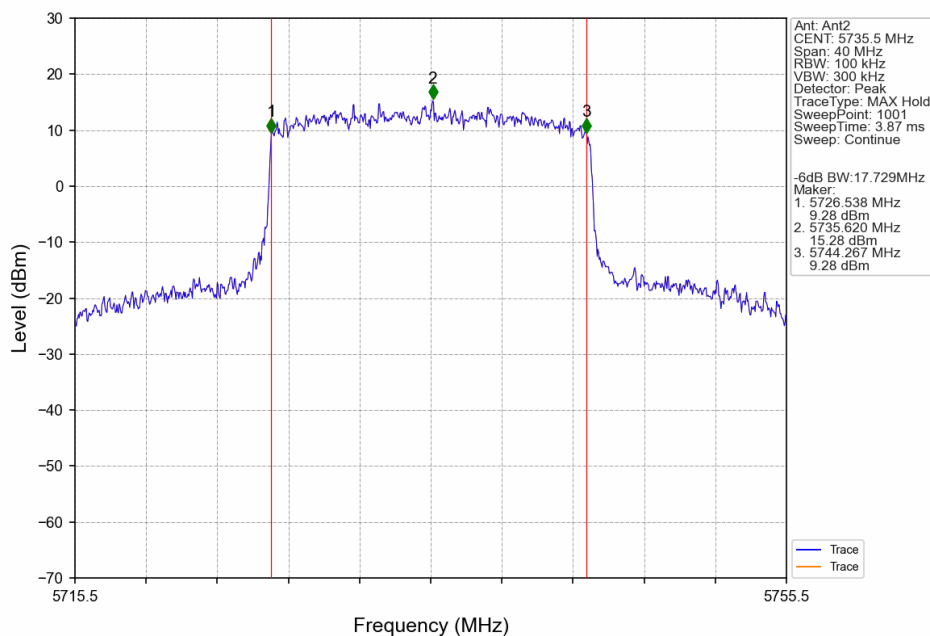
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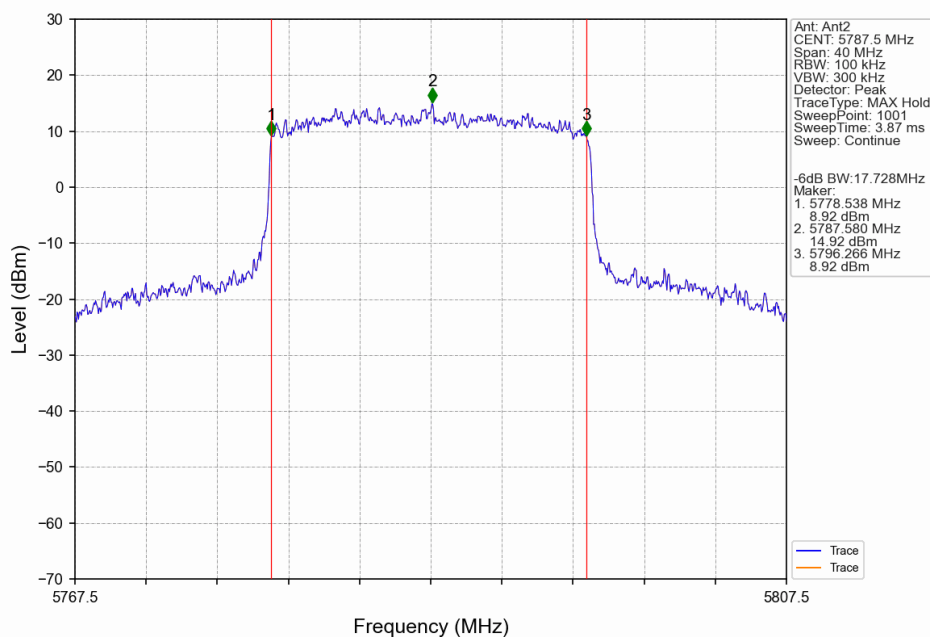
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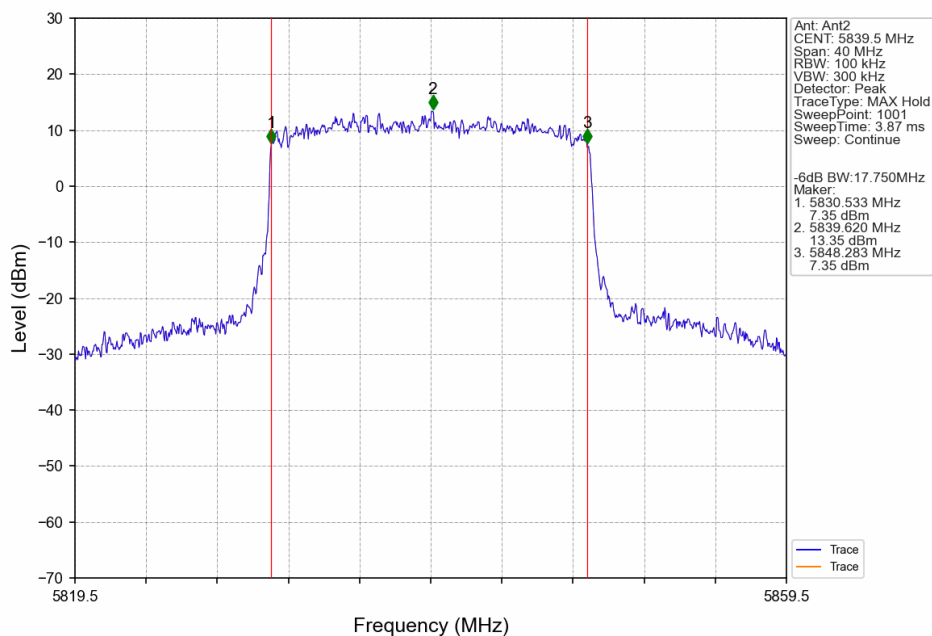
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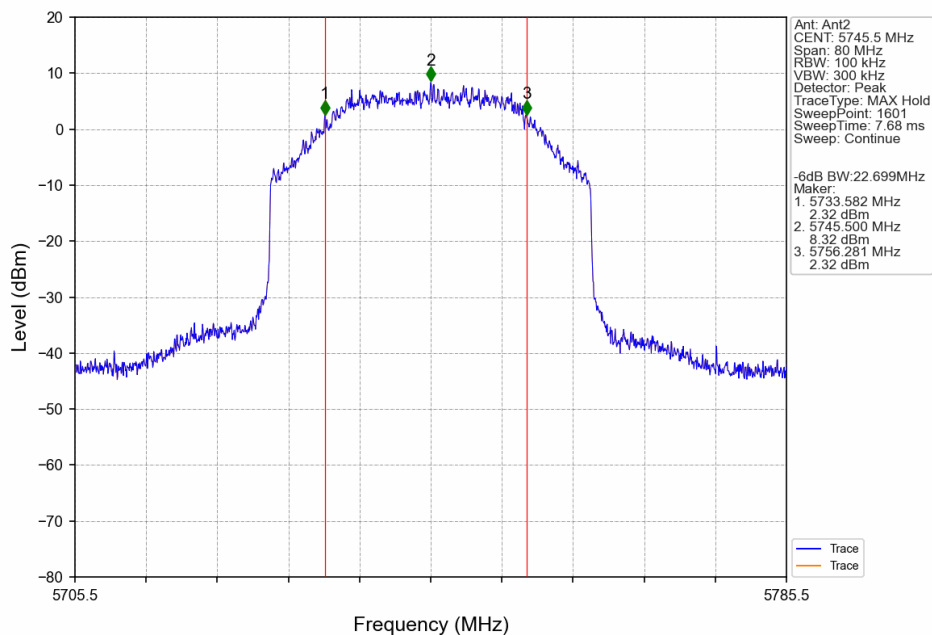
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20M_HCH_5839.5MHz_Ant2_NTNV



40M_LCH_5745.5MHz_Ant2_NTNV



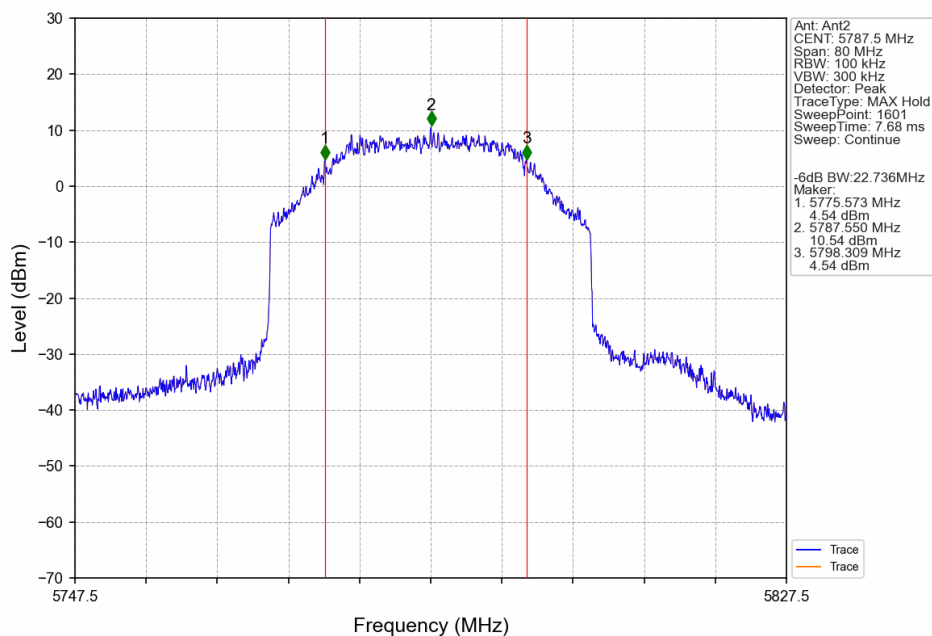
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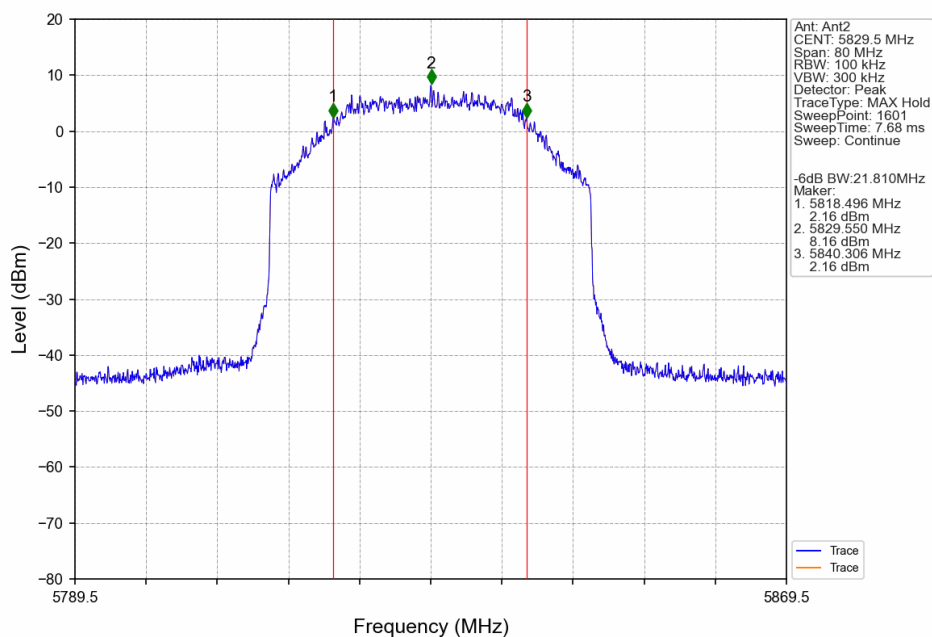
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40M_HCH_5829.5MHz_Ant2_NTNV



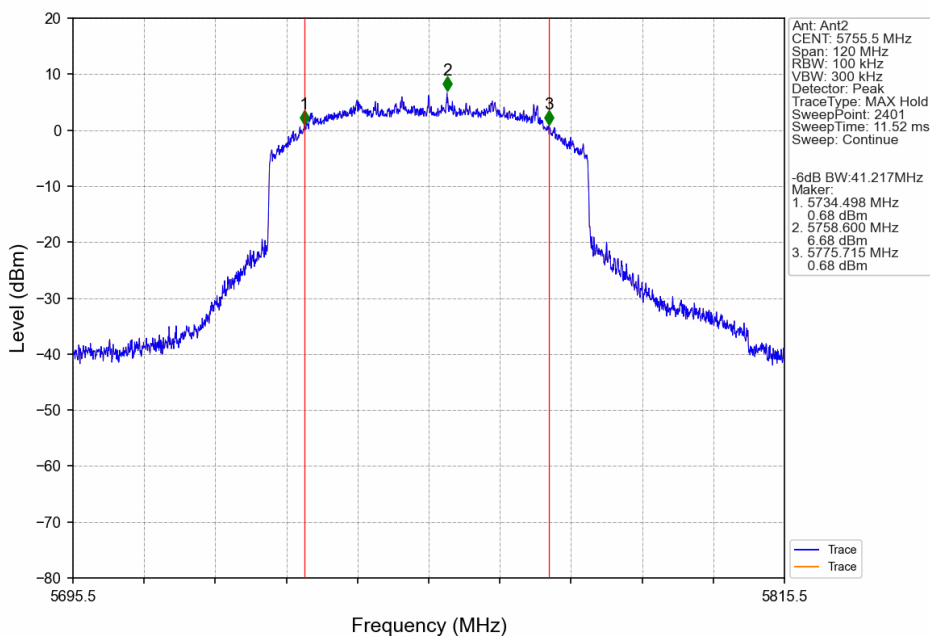
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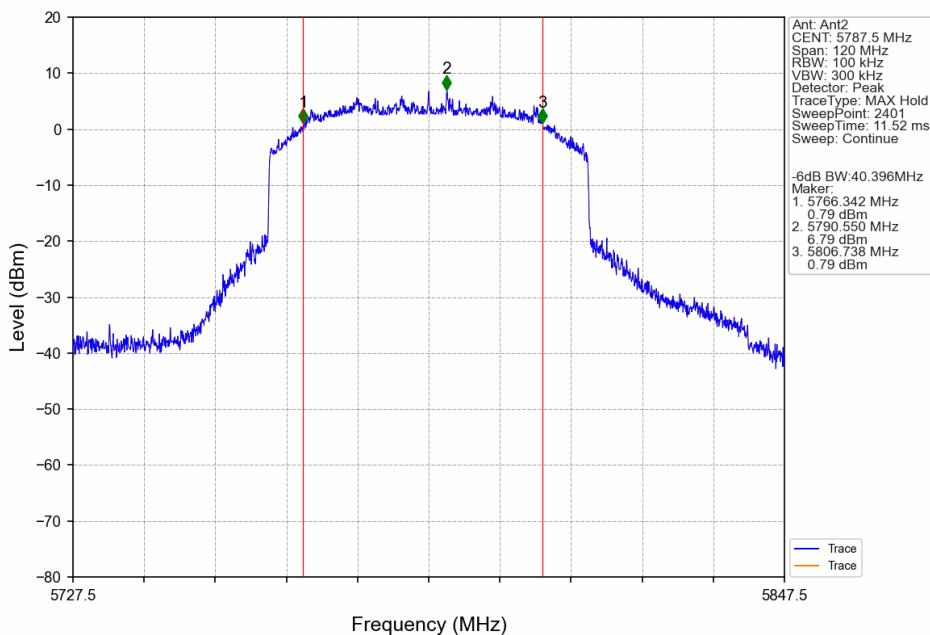
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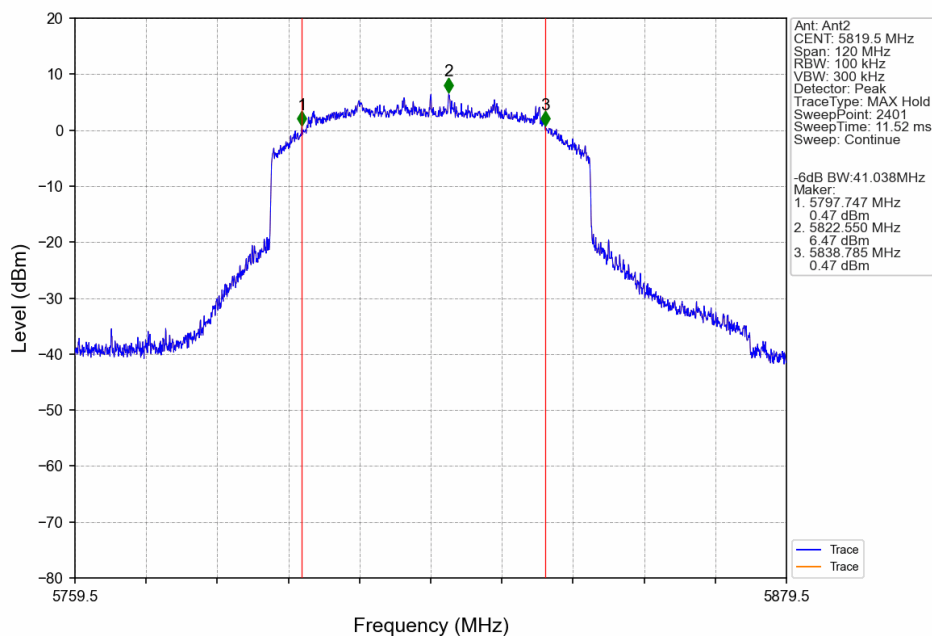
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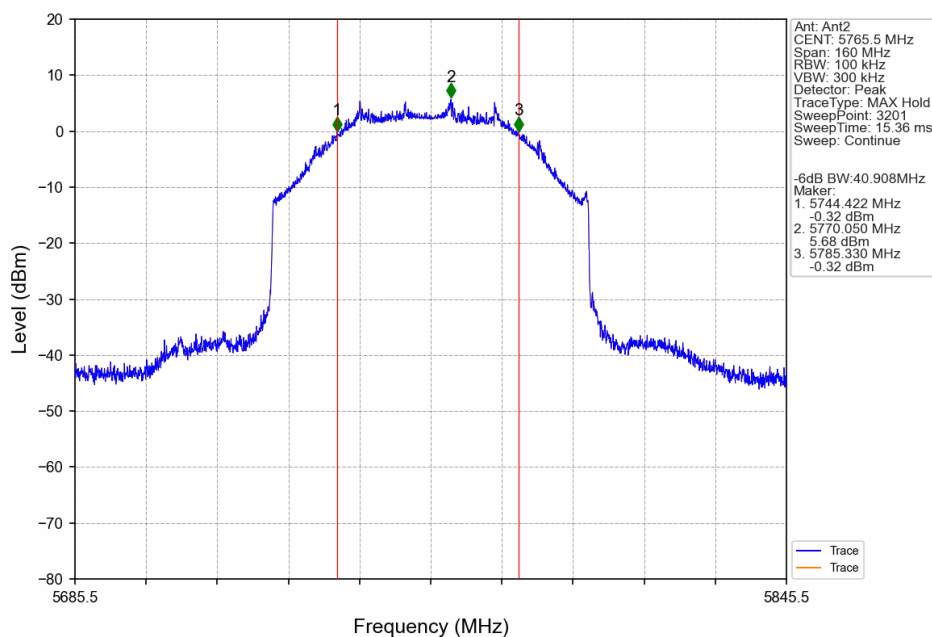
60M_MCH_5787.5MHz_Ant2_NTNV



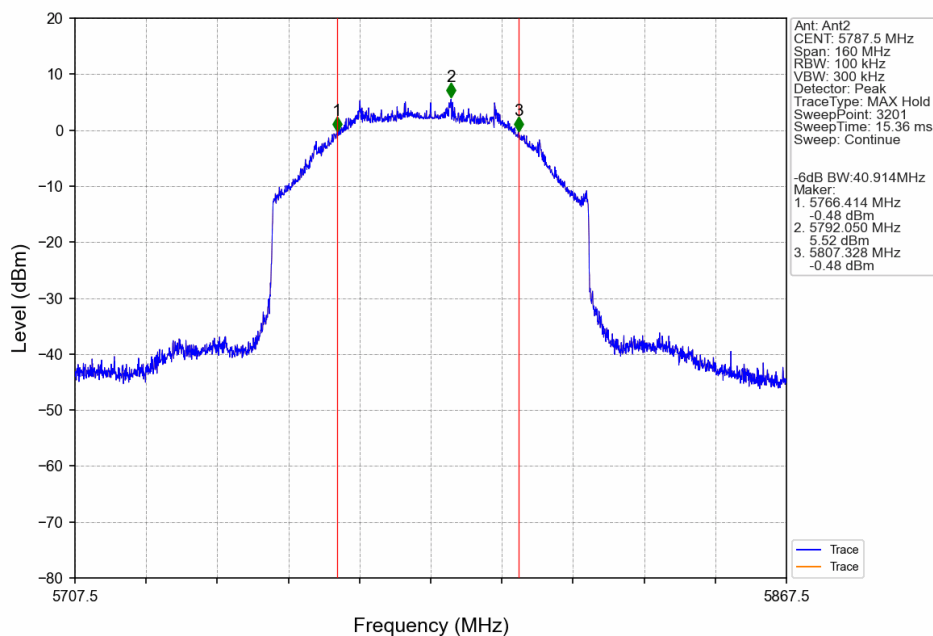
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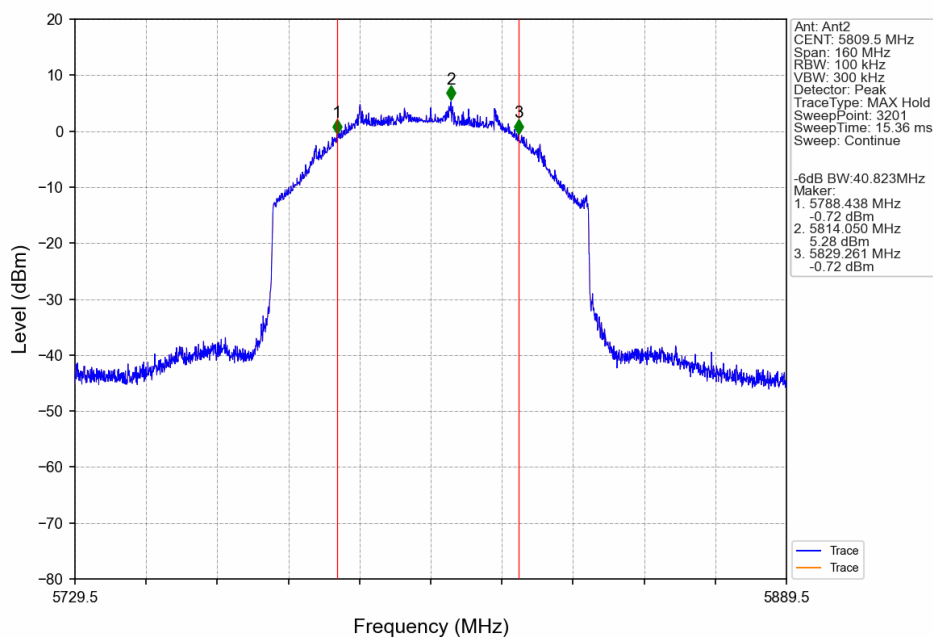
80M_LCH_5765.5MHz_Ant2_NTNV



80M_MCH_5787.5MHz_Ant2_NTNV



80M_HCH_5809.5MHz_Ant2_NTNV



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
			ANT2	ANT3	MIMO	Limit	
10M	MIMO	5730.5	25.63	24.69	28.20	<=29.99	Pass
		5787.5	25.52	24.83	28.20	<=29.99	Pass
		5844.5	25.83	25.19	28.53	<=29.99	Pass
20M	MIMO	5735.5	26.23	25.34	28.82	<=29.99	Pass
		5787.5	25.83	25.02	28.45	<=29.99	Pass
		5839.5	24.49	23.82	27.18	<=29.99	Pass
40M	MIMO	5745.5	20.88	19.83	23.40	<=29.99	Pass
		5787.5	22.48	21.74	25.14	<=29.99	Pass
		5829.5	19.86	19.38	22.64	<=29.99	Pass
60M	MIMO	5755.5	21.73	20.44	24.14	<=29.99	Pass
		5787.5	21.91	20.55	24.29	<=29.99	Pass
		5819.5	21.56	20.77	24.19	<=29.99	Pass
80M	MIMO	5765.5	20.99	19.58	23.35	<=29.99	Pass
		5787.5	20.95	19.56	23.32	<=29.99	Pass
		5809.5	20.46	19.62	23.07	<=29.99	Pass



4. Maximum Power Spectral Density

4.1 Test Result

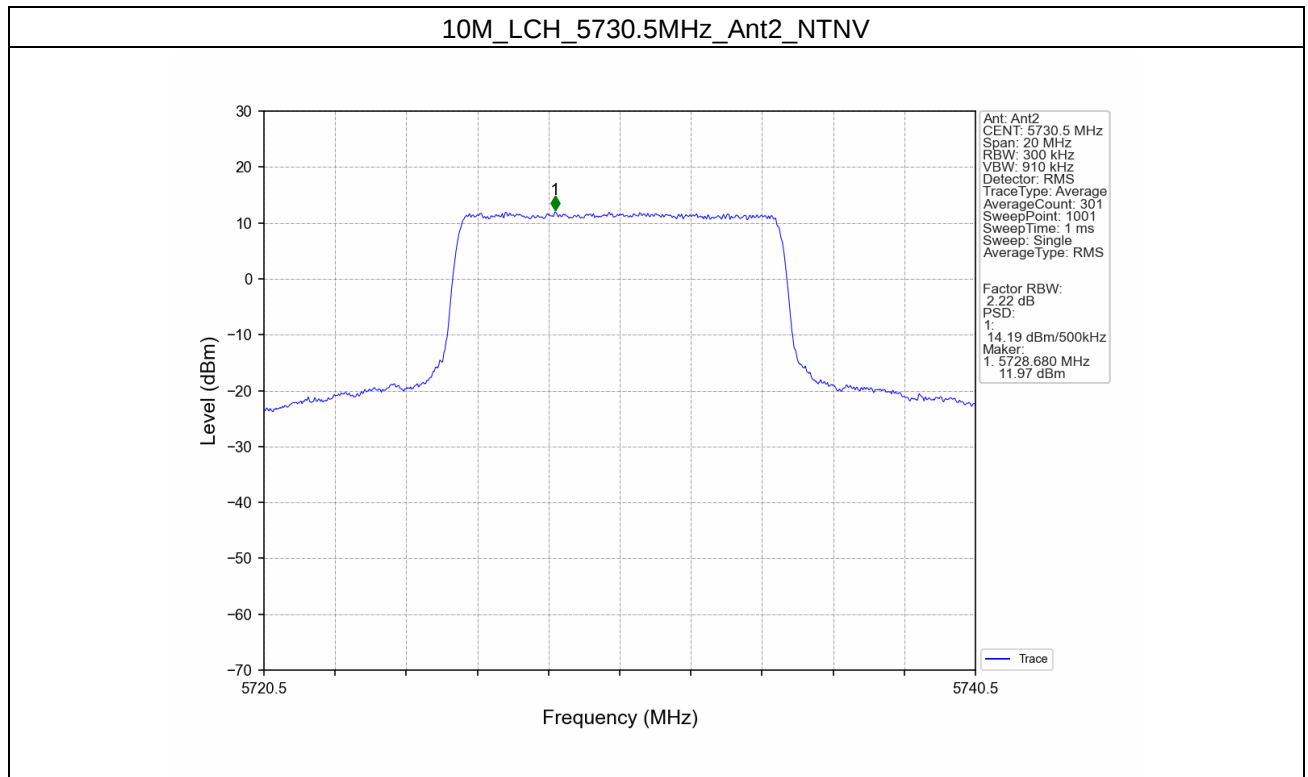
4.1.1 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT2	ANT3	MIMO	Limit	
10M	MIMO	5730.5	14.19	13.33	16.65	<=29.99	Pass
		5787.5	14.08	13.46	16.55	<=29.99	Pass
		5844.5	14.55	13.75	17.04	<=29.99	Pass
20M	MIMO	5735.5	12.01	11.14	14.42	<=29.99	Pass
		5787.5	11.57	10.85	14.10	<=29.99	Pass
		5839.5	10.29	9.86	13.03	<=29.99	Pass
40M	MIMO	5745.5	6.07	4.41	8.24	<=29.99	Pass
		5787.5	7.61	6.48	9.96	<=29.99	Pass
		5829.5	5.21	3.90	7.59	<=29.99	Pass
60M	MIMO	5755.5	4.61	2.90	6.66	<=29.99	Pass
		5787.5	5.34	2.83	6.87	<=29.99	Pass
		5819.5	4.82	2.80	6.75	<=29.99	Pass
80M	MIMO	5765.5	3.05	1.82	5.16	<=29.99	Pass
		5787.5	3.99	1.89	6.00	<=29.99	Pass
		5809.5	3.21	1.93	5.43	<=29.99	Pass

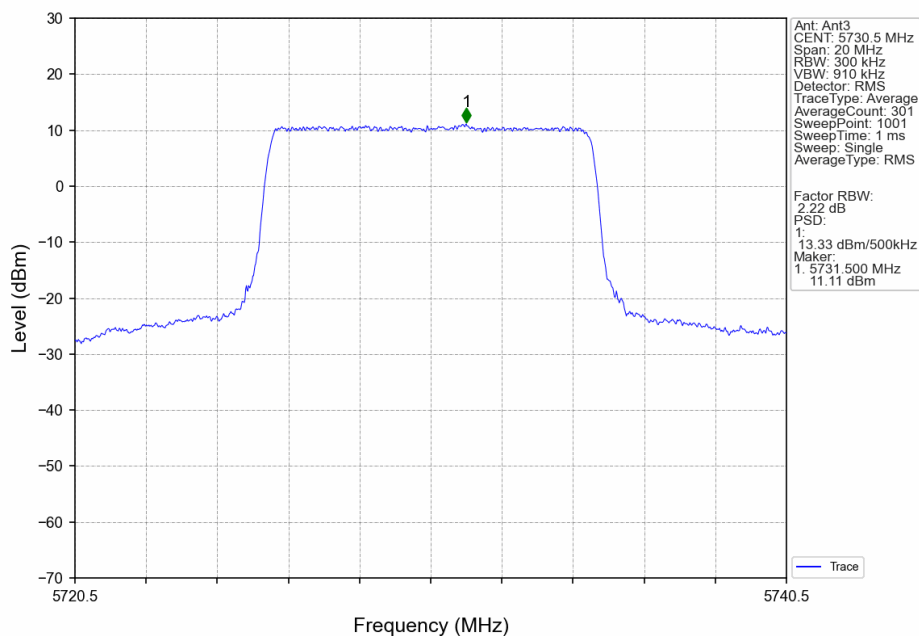


4.2 Test Graph

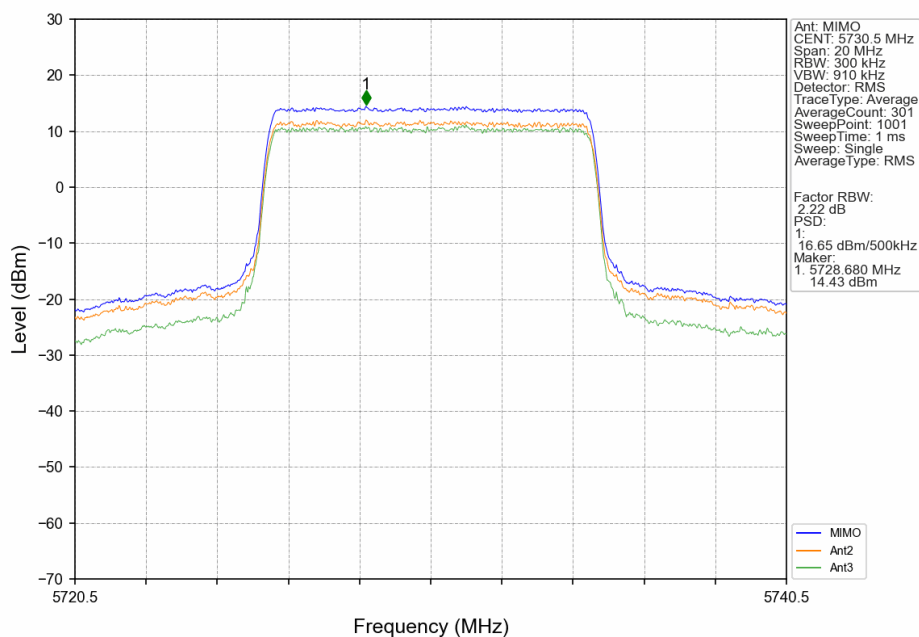
4.2.1 PSD-Band3



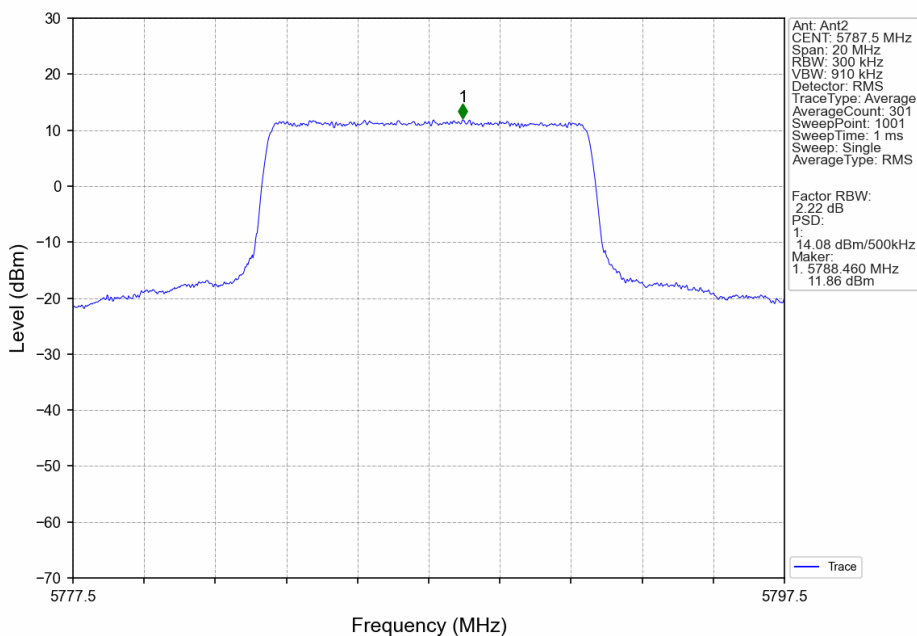
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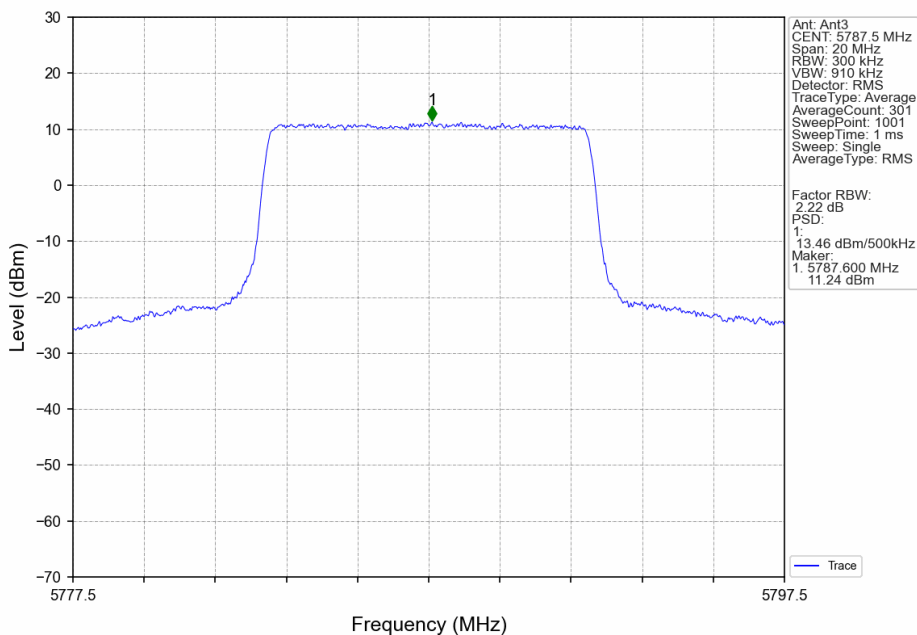
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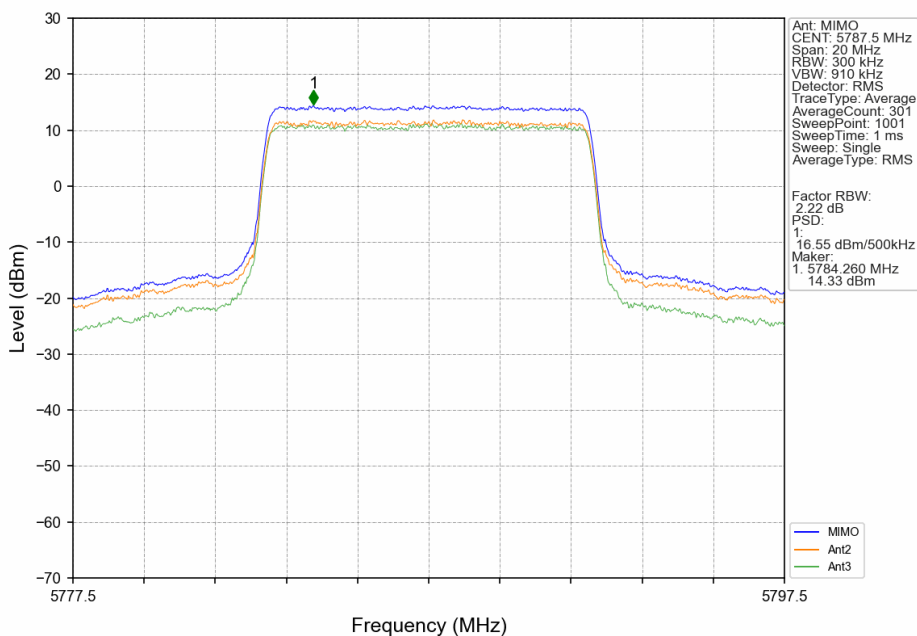
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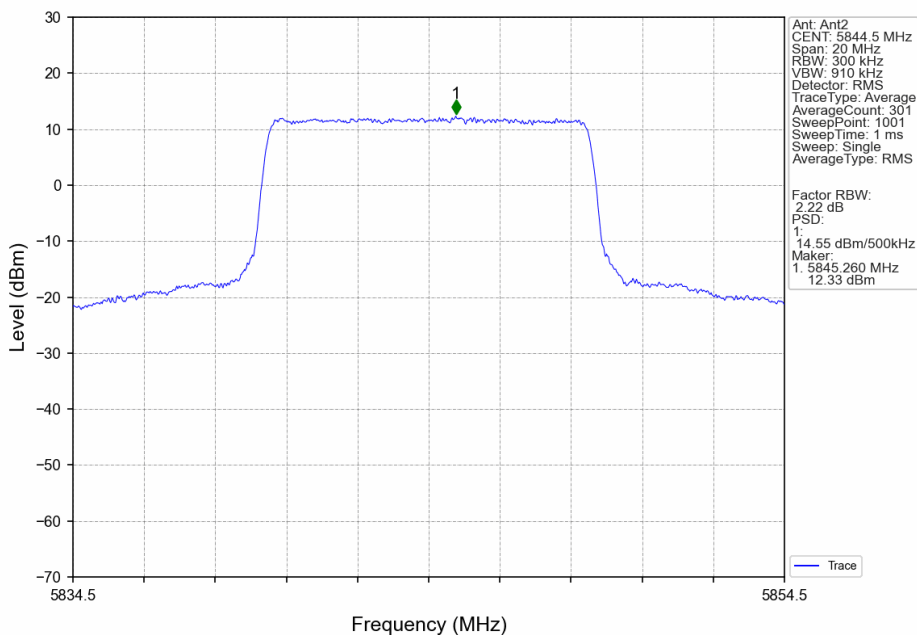
10M_MCH_5787.5MHz_Ant3_NTNV



10M_MCH_5787.5MHz_MIMO_NTNV



10M_HCH_5844.5MHz_Ant2_NTNV



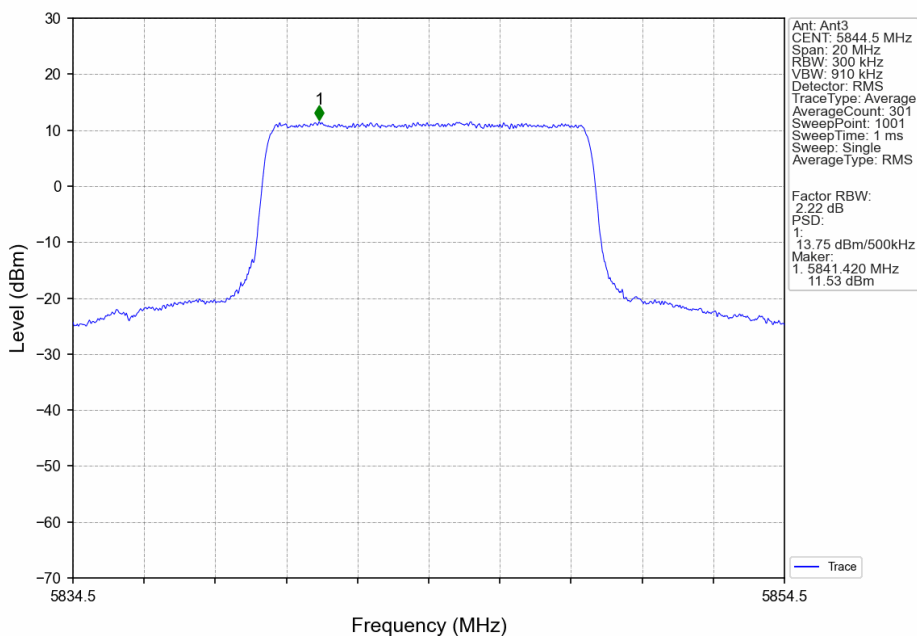
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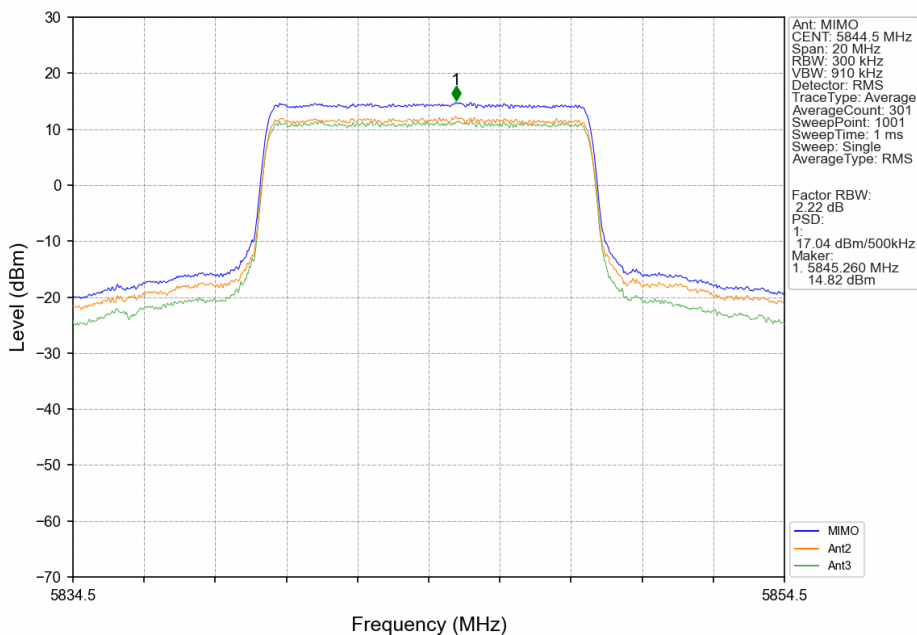
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10M_HCH_5844.5MHz_Ant3_NTNV



10M_HCH_5844.5MHz_MIMO_NTNV



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