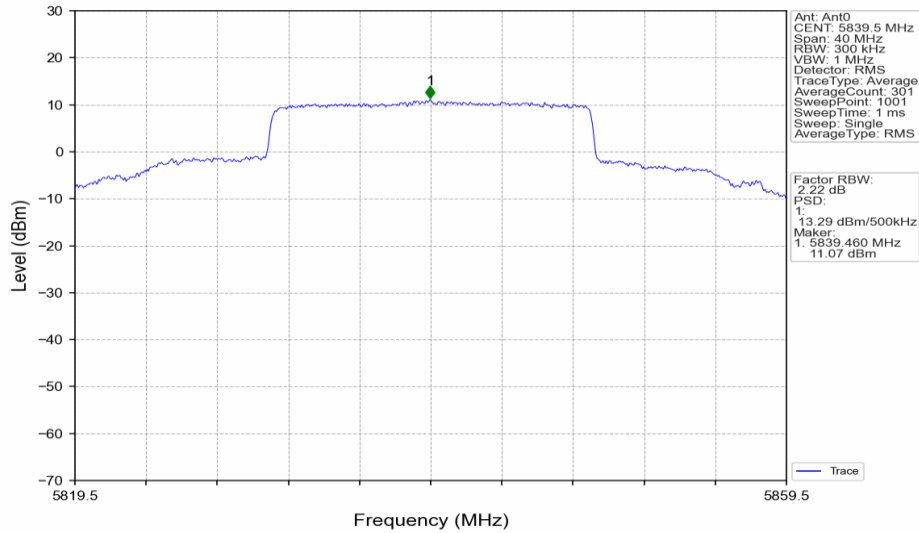
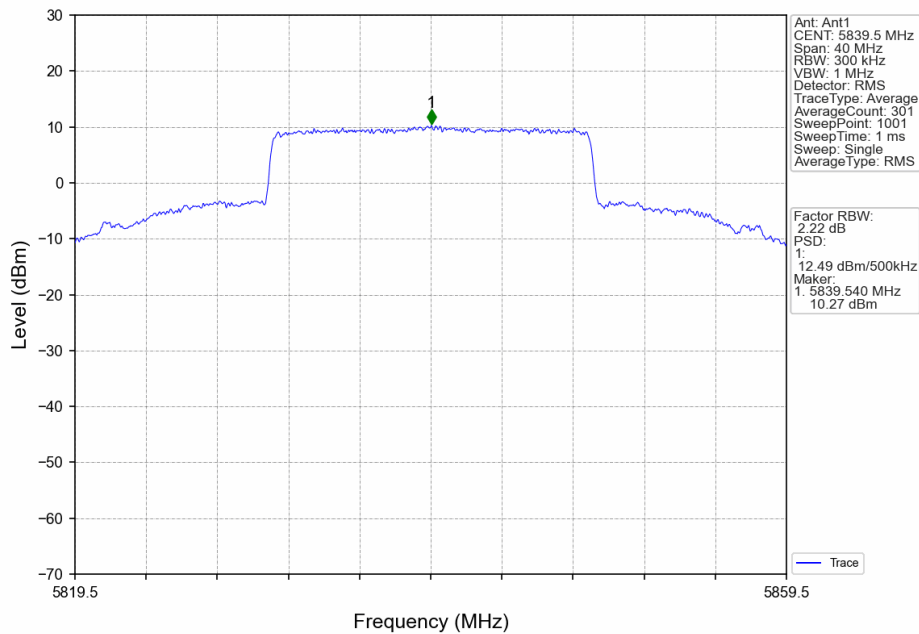


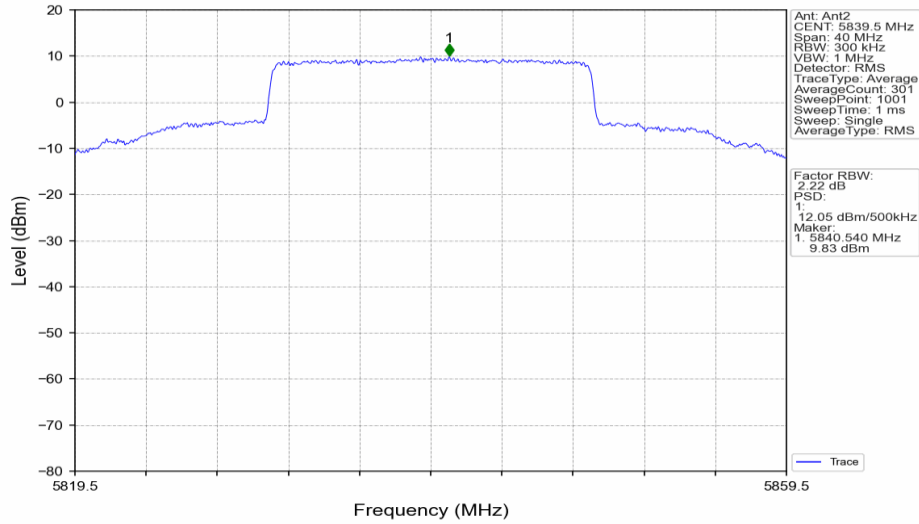
20M_HCH_5839.5MHz_Ant0_NTNV



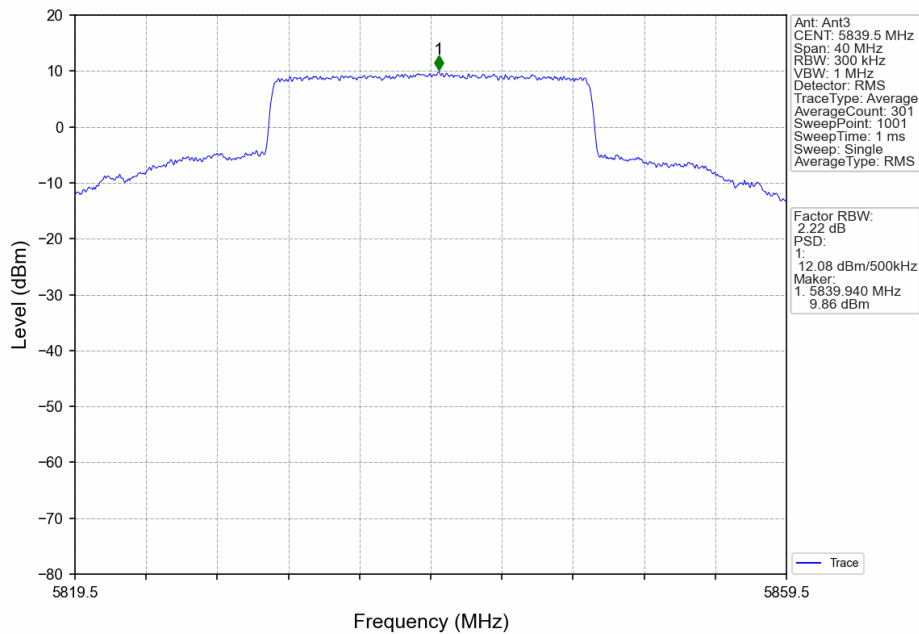
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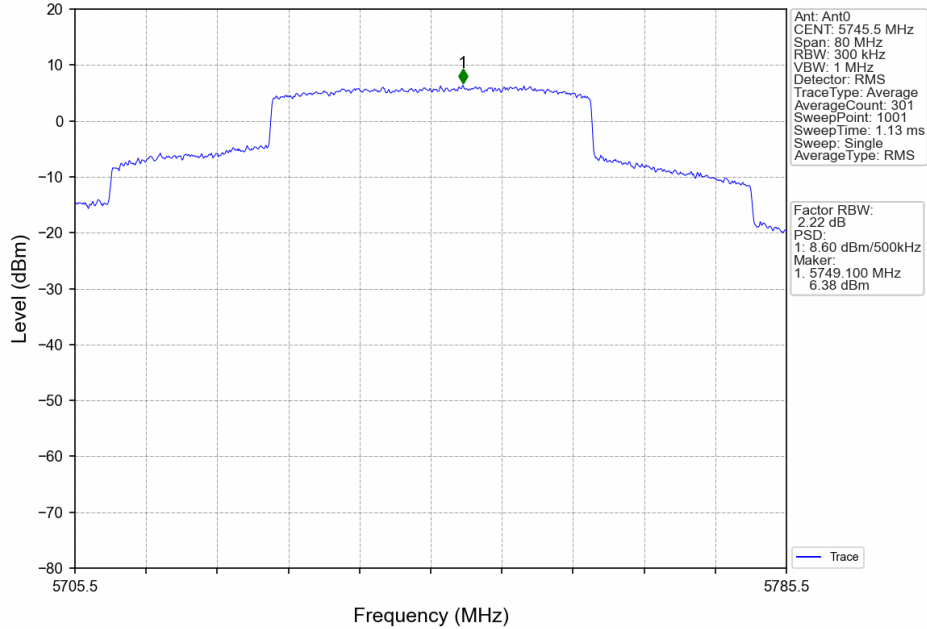
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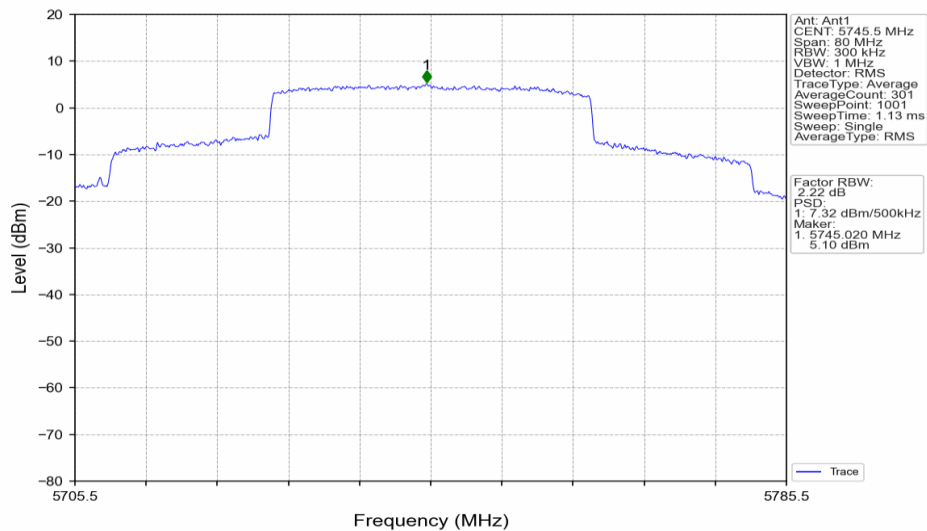
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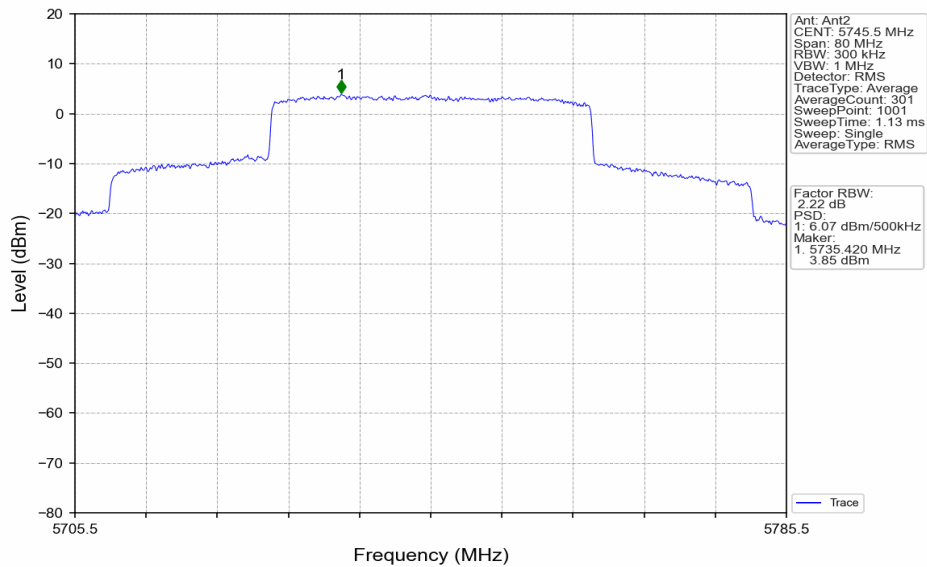
40M_LCH_5745.5MHz_Ant0_NTNV



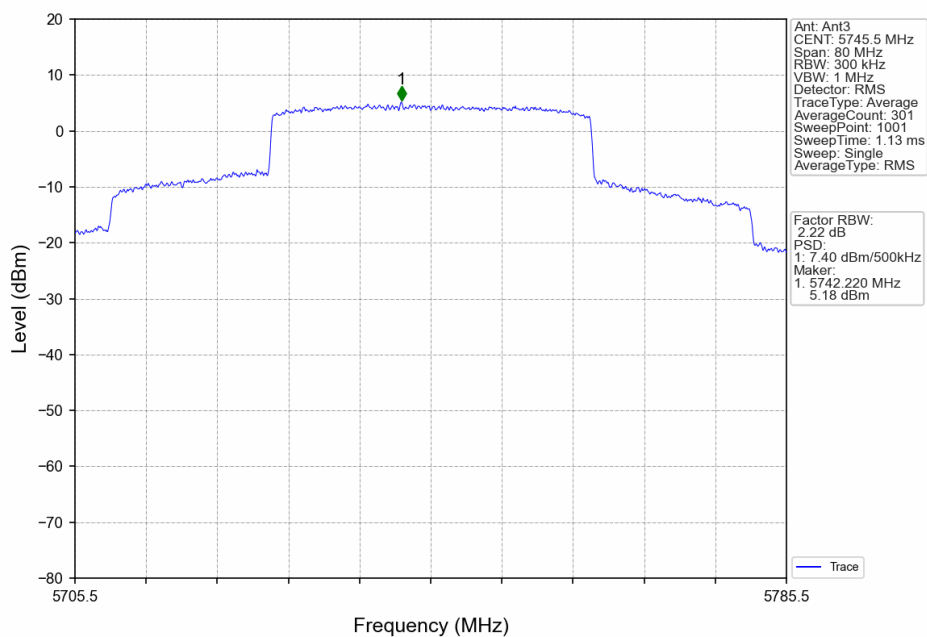
40M_LCH_5745.5MHz_Ant1_NTNV



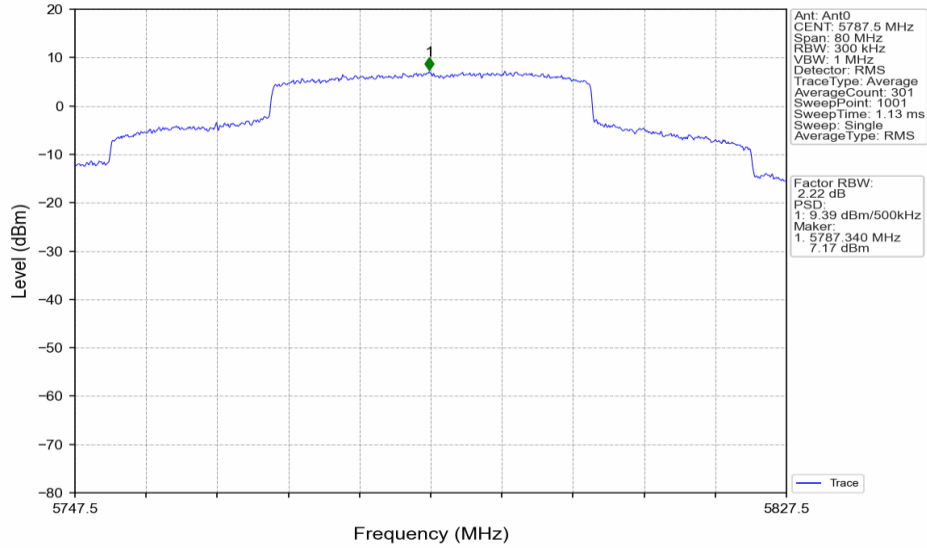
40M_LCH_5745.5MHz_Ant2_NTNV



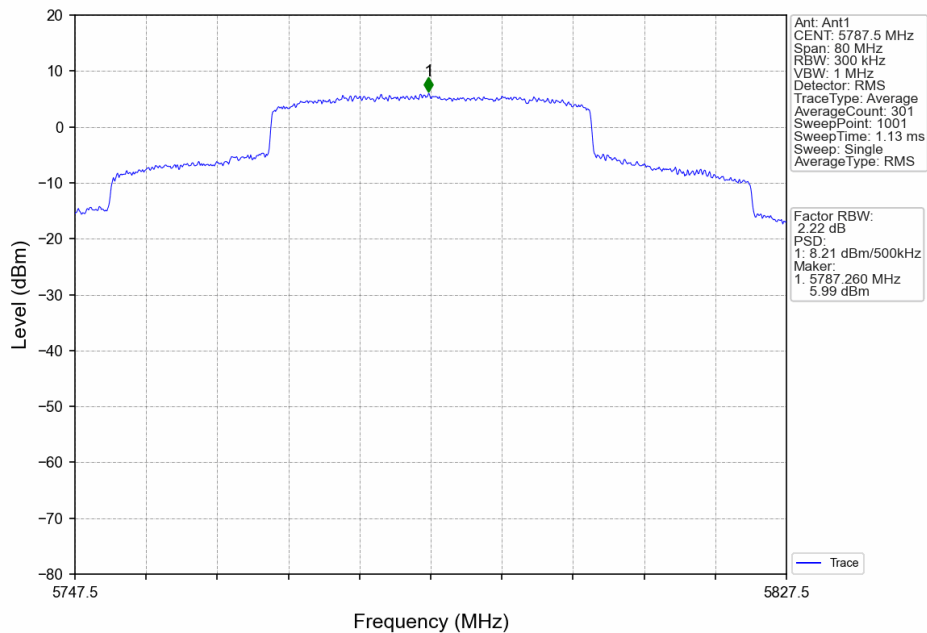
40M_LCH_5745.5MHz_Ant3_NTNV



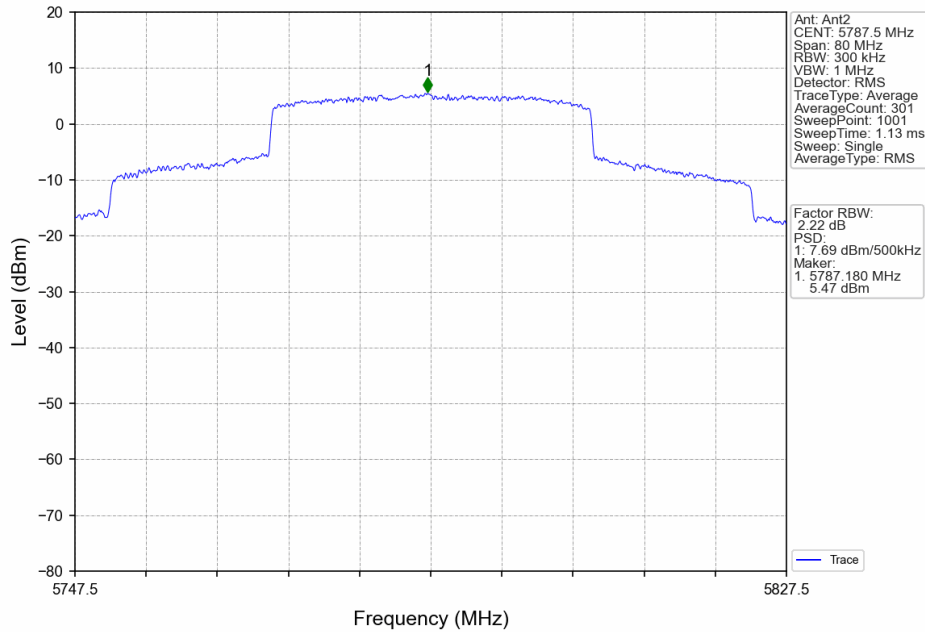
40M_MCH_5787.5MHz_Ant0_NTNV



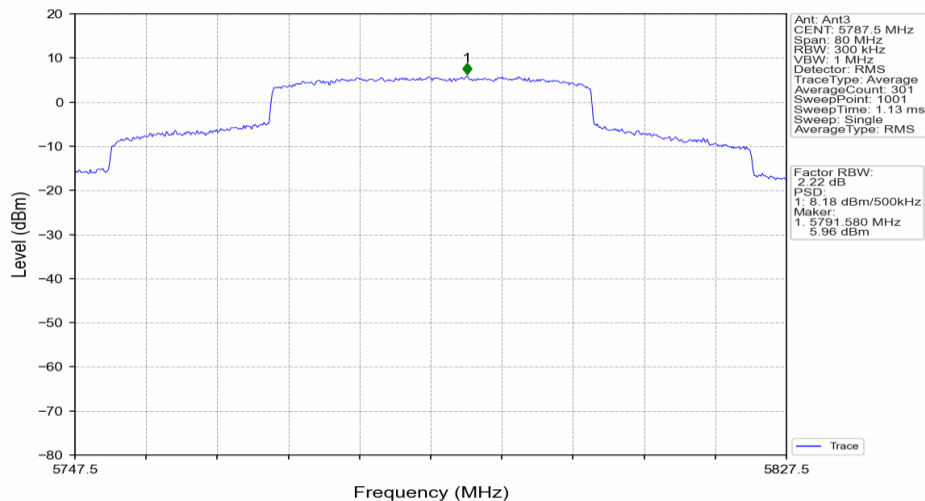
40M_MCH_5787.5MHz_Ant1_NTNV



40M_MCH_5787.5MHz_Ant2_NTNV



40M_MCH_5787.5MHz_Ant3_NTNV



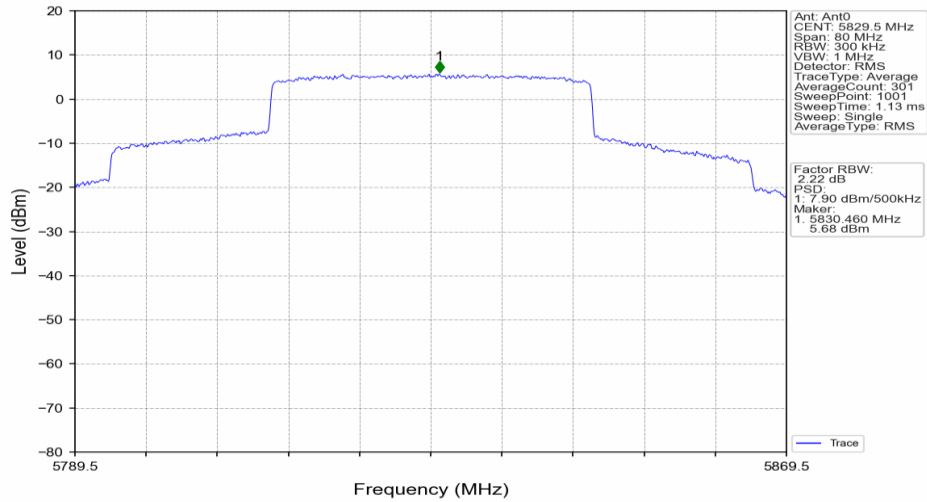
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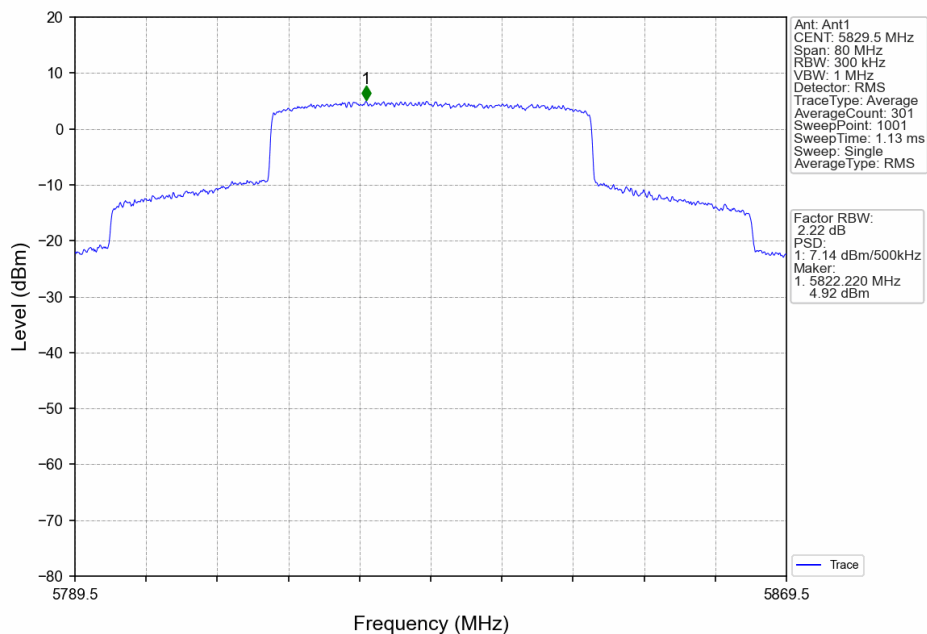
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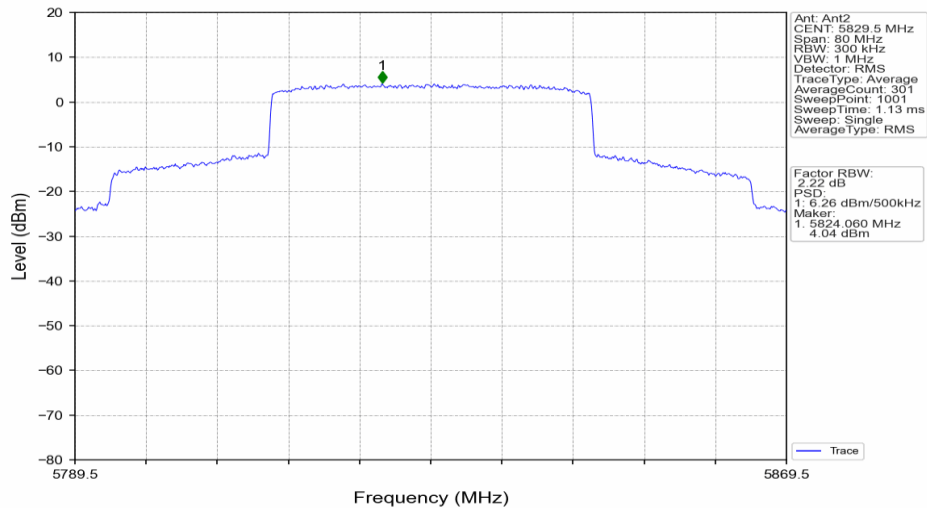
40M_HCH_5829.5MHz_Ant0_NTNV



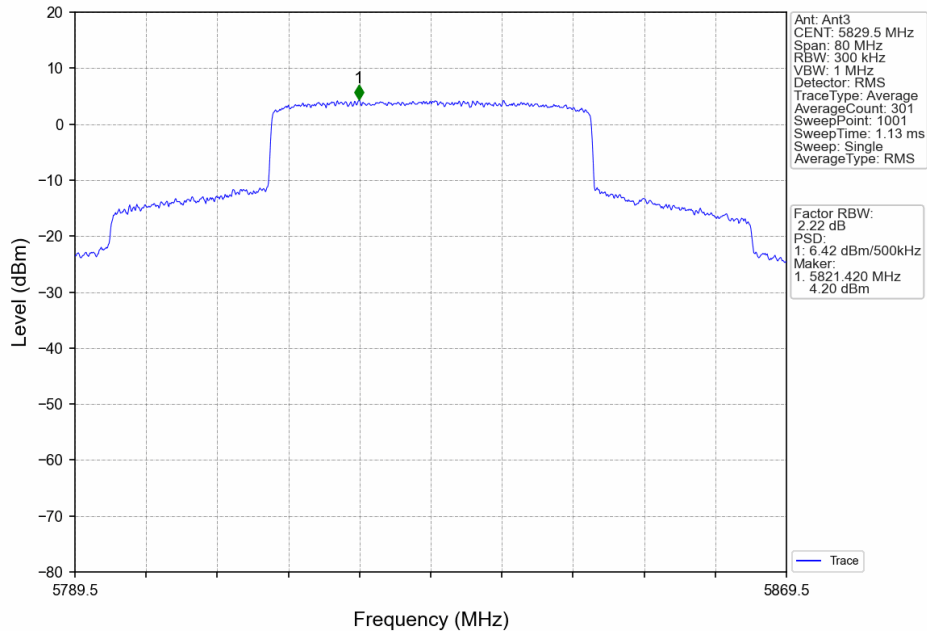
40M_HCH_5829.5MHz_Ant1_NTNV



40M_HCH_5829.5MHz_Ant2_NTNV



40M_HCH_5829.5MHz_Ant3_NTNV



5. Frequency Stability

5.1 Ant0

5.1.1 Test Result

Ant0							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
1.4M	SISO	5728.5	20	12.54	5728.499	5725 to 5850	Pass
				14.76	5728.496	5725 to 5850	Pass
				16.97	5728.499	5725 to 5850	Pass
			-10	14.76	5728.497	5725 to 5850	Pass
			-5	14.76	5728.499	5725 to 5850	Pass
			0	14.76	5728.499	5725 to 5850	Pass
			5	14.76	5728.497	5725 to 5850	Pass
			10	14.76	5728.499	5725 to 5850	Pass
			20	14.76	5728.497	5725 to 5850	Pass
			30	14.76	5728.496	5725 to 5850	Pass
			40	14.76	5728.494	5725 to 5850	Pass
		5786.5	20	12.54	5786.490	5725 to 5850	Pass
				14.76	5786.490	5725 to 5850	Pass
				16.97	5786.487	5725 to 5850	Pass
			-10	14.76	5786.488	5725 to 5850	Pass
			-5	14.76	5786.487	5725 to 5850	Pass
			0	14.76	5786.490	5725 to 5850	Pass
			5	14.76	5786.493	5725 to 5850	Pass
			10	14.76	5786.487	5725 to 5850	Pass
			20	14.76	5786.493	5725 to 5850	Pass
			30	14.76	5786.488	5725 to 5850	Pass
			40	14.76	5786.492	5725 to 5850	Pass
		5846.12	20	12.54	5846.109	5725 to 5850	Pass
				14.76	5846.110	5725 to 5850	Pass
				16.97	5846.115	5725 to 5850	Pass
			-10	14.76	5846.110	5725 to 5850	Pass
			-5	14.76	5846.109	5725 to 5850	Pass
			0	14.76	5846.110	5725 to 5850	Pass
			5	14.76	5846.109	5725 to 5850	Pass



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			10	14.76	5846.114	5725 to 5850	Pass
			20	14.76	5846.112	5725 to 5850	Pass
			30	14.76	5846.109	5725 to 5850	Pass
			40	14.76	5846.115	5725 to 5850	Pass
3M	SISO	5727.5	20	12.54	5727.506	5725 to 5850	Pass
				14.76	5727.503	5725 to 5850	Pass
				16.97	5727.506	5725 to 5850	Pass
			-10	14.76	5727.500	5725 to 5850	Pass
			-5	14.76	5727.509	5725 to 5850	Pass
			0	14.76	5727.503	5725 to 5850	Pass
			5	14.76	5727.509	5725 to 5850	Pass
			10	14.76	5727.503	5725 to 5850	Pass
			20	14.76	5727.512	5725 to 5850	Pass
			30	14.76	5727.512	5725 to 5850	Pass
			40	14.76	5727.506	5725 to 5850	Pass
		5784.5	20	12.54	5784.506	5725 to 5850	Pass
				14.76	5784.503	5725 to 5850	Pass
				16.97	5784.509	5725 to 5850	Pass
			-10	14.76	5784.506	5725 to 5850	Pass
			-5	14.76	5784.503	5725 to 5850	Pass
			0	14.76	5784.500	5725 to 5850	Pass
			5	14.76	5784.506	5725 to 5850	Pass
			10	14.76	5784.506	5725 to 5850	Pass
			20	14.76	5784.509	5725 to 5850	Pass
			30	14.76	5784.509	5725 to 5850	Pass
			40	14.76	5784.509	5725 to 5850	Pass
		5847.2	20	12.54	5847.206	5725 to 5850	Pass
				14.76	5847.203	5725 to 5850	Pass
				16.97	5847.209	5725 to 5850	Pass
			-10	14.76	5847.206	5725 to 5850	Pass
			-5	14.76	5847.203	5725 to 5850	Pass
			0	14.76	5847.203	5725 to 5850	Pass
			5	14.76	5847.209	5725 to 5850	Pass
			10	14.76	5847.203	5725 to 5850	Pass
			20	14.76	5847.209	5725 to 5850	Pass
			30	14.76	5847.206	5725 to 5850	Pass
			40	14.76	5847.203	5725 to 5850	Pass
5M	SISO	5732.5	20	12.54	5732.505	5725 to 5850	Pass
				14.76	5732.510	5725 to 5850	Pass



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				16.97	5732.505	5725 to 5850	Pass
			-10	14.76	5732.505	5725 to 5850	Pass
			-5	14.76	5732.500	5725 to 5850	Pass
			0	14.76	5732.500	5725 to 5850	Pass
			5	14.76	5732.505	5725 to 5850	Pass
			10	14.76	5732.510	5725 to 5850	Pass
			20	14.76	5732.505	5725 to 5850	Pass
			30	14.76	5732.495	5725 to 5850	Pass
			40	14.76	5732.515	5725 to 5850	Pass
		5782.5	20	12.54	5782.510	5725 to 5850	Pass
				14.76	5782.505	5725 to 5850	Pass
				16.97	5782.510	5725 to 5850	Pass
			-10	14.76	5782.515	5725 to 5850	Pass
			-5	14.76	5782.505	5725 to 5850	Pass
			0	14.76	5782.500	5725 to 5850	Pass
			5	14.76	5782.510	5725 to 5850	Pass
			10	14.76	5782.505	5725 to 5850	Pass
			20	14.76	5782.520	5725 to 5850	Pass
			30	14.76	5782.510	5725 to 5850	Pass
			40	14.76	5782.510	5725 to 5850	Pass
		5842.5	20	12.54	5842.505	5725 to 5850	Pass
				14.76	5842.500	5725 to 5850	Pass
				16.97	5842.500	5725 to 5850	Pass
			-10	14.76	5842.495	5725 to 5850	Pass
			-5	14.76	5842.515	5725 to 5850	Pass
			0	14.76	5842.500	5725 to 5850	Pass
			5	14.76	5842.505	5725 to 5850	Pass
			10	14.76	5842.500	5725 to 5850	Pass
			20	14.76	5842.505	5725 to 5850	Pass
			30	14.76	5842.510	5725 to 5850	Pass
			40	14.76	5842.500	5725 to 5850	Pass
10M	SISO	5730.5	20	12.54	5730.520	5725 to 5850	Pass
				14.76	5730.490	5725 to 5850	Pass
				16.97	5730.480	5725 to 5850	Pass
			-10	14.76	5730.520	5725 to 5850	Pass
			-5	14.76	5730.510	5725 to 5850	Pass
			0	14.76	5730.510	5725 to 5850	Pass
			5	14.76	5730.510	5725 to 5850	Pass
			10	14.76	5730.500	5725 to 5850	Pass



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			20	14.76	5730.510	5725 to 5850	Pass
			30	14.76	5730.530	5725 to 5850	Pass
			40	14.76	5730.500	5725 to 5850	Pass
		5787.5	20	12.54	5787.510	5725 to 5850	Pass
				14.76	5787.510	5725 to 5850	Pass
				16.97	5787.500	5725 to 5850	Pass
			-10	14.76	5787.530	5725 to 5850	Pass
			-5	14.76	5787.510	5725 to 5850	Pass
			0	14.76	5787.500	5725 to 5850	Pass
			5	14.76	5787.500	5725 to 5850	Pass
			10	14.76	5787.510	5725 to 5850	Pass
			20	14.76	5787.510	5725 to 5850	Pass
			30	14.76	5787.490	5725 to 5850	Pass
			40	14.76	5787.480	5725 to 5850	Pass
		5844.5	20	12.54	5844.520	5725 to 5850	Pass
				14.76	5844.500	5725 to 5850	Pass
				16.97	5844.490	5725 to 5850	Pass
			-10	14.76	5844.520	5725 to 5850	Pass
			-5	14.76	5844.500	5725 to 5850	Pass
			0	14.76	5844.520	5725 to 5850	Pass
			5	14.76	5844.510	5725 to 5850	Pass
			10	14.76	5844.490	5725 to 5850	Pass
			20	14.76	5844.510	5725 to 5850	Pass
			30	14.76	5844.500	5725 to 5850	Pass
			40	14.76	5844.520	5725 to 5850	Pass
20M	SISO	5735.5	20	12.54	5735.540	5725 to 5850	Pass
				14.76	5735.500	5725 to 5850	Pass
				16.97	5735.540	5725 to 5850	Pass
			-10	14.76	5735.520	5725 to 5850	Pass
			-5	14.76	5735.500	5725 to 5850	Pass
			0	14.76	5735.520	5725 to 5850	Pass
			5	14.76	5735.540	5725 to 5850	Pass
			10	14.76	5735.540	5725 to 5850	Pass
			20	14.76	5735.520	5725 to 5850	Pass
			30	14.76	5735.540	5725 to 5850	Pass
			40	14.76	5735.500	5725 to 5850	Pass
		5787.5	20	12.54	5787.520	5725 to 5850	Pass
				14.76	5787.540	5725 to 5850	Pass
				16.97	5787.520	5725 to 5850	Pass



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			-10	14.76	5785.740	5725 to 5850	Pass
			-5	14.76	5787.560	5725 to 5850	Pass
			0	14.76	5787.540	5725 to 5850	Pass
			5	14.76	5787.540	5725 to 5850	Pass
			10	14.76	5787.540	5725 to 5850	Pass
			20	14.76	5787.520	5725 to 5850	Pass
			30	14.76	5787.520	5725 to 5850	Pass
			40	14.76	5787.520	5725 to 5850	Pass
		5839.5	20	12.54	5839.540	5725 to 5850	Pass
				14.76	5839.540	5725 to 5850	Pass
				16.97	5839.540	5725 to 5850	Pass
			-10	14.76	5839.540	5725 to 5850	Pass
			-5	14.76	5839.520	5725 to 5850	Pass
			0	14.76	5839.520	5725 to 5850	Pass
			5	14.76	5839.520	5725 to 5850	Pass
			10	14.76	5839.520	5725 to 5850	Pass
			20	14.76	5839.540	5725 to 5850	Pass
			30	14.76	5839.540	5725 to 5850	Pass
			40	14.76	5839.520	5725 to 5850	Pass
40M	SISO	5745.5	20	12.54	5745.620	5725 to 5850	Pass
				14.76	5744.140	5725 to 5850	Pass
				16.97	5742.940	5725 to 5850	Pass
			-10	14.76	5744.300	5725 to 5850	Pass
			-5	14.76	5743.620	5725 to 5850	Pass
			0	14.76	5743.580	5725 to 5850	Pass
			5	14.76	5745.580	5725 to 5850	Pass
			10	14.76	5745.580	5725 to 5850	Pass
			20	14.76	5743.060	5725 to 5850	Pass
			30	14.76	5742.980	5725 to 5850	Pass
			40	14.76	5744.180	5725 to 5850	Pass
		5787.5	20	12.54	5785.540	5725 to 5850	Pass
				14.76	5786.260	5725 to 5850	Pass
				16.97	5785.060	5725 to 5850	Pass
			-10	14.76	5786.220	5725 to 5850	Pass
			-5	14.76	5785.020	5725 to 5850	Pass
			0	14.76	5785.500	5725 to 5850	Pass
			5	14.76	5785.020	5725 to 5850	Pass
			10	14.76	5784.940	5725 to 5850	Pass
			20	14.76	5785.940	5725 to 5850	Pass



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center Laboratory

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		5829.5	30	14.76	5786.140	5725 to 5850	Pass
			40	14.76	5785.940	5725 to 5850	Pass
			20	12.54	5829.580	5725 to 5850	Pass
				14.76	5829.620	5725 to 5850	Pass
				16.97	5829.580	5725 to 5850	Pass
			-10	14.76	5829.540	5725 to 5850	Pass
			-5	14.76	5829.540	5725 to 5850	Pass
			0	14.76	5829.580	5725 to 5850	Pass
			5	14.76	5829.540	5725 to 5850	Pass
			10	14.76	5829.580	5725 to 5850	Pass
			20	14.76	5829.540	5725 to 5850	Pass
			30	14.76	5829.580	5725 to 5850	Pass
			40	14.76	5829.580	5725 to 5850	Pass



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5.8G SDR SISO Mode: ANT4&ANT5

1. Maximum Conducted Output Power

1.1 Power

1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)			Verdict
			ANT4	ANT5	Limit	
1.4M	SISO	5728.5	17.80	18.02	<=30	Pass
		5786.5	18.22	18.20	<=30	Pass
		5846.12	18.55	18.12	<=30	Pass
3M	SISO	5727.5	18.95	19.12	<=30	Pass
		5784.5	19.28	19.21	<=30	Pass
		5847.2	19.42	19.00	<=30	Pass
5M	SISO	5732.5	19.99	20.14	<=30	Pass
		5782.5	20.42	20.35	<=30	Pass
		5842.5	20.58	20.15	<=30	Pass
10M	SISO	5730.5	24.91	24.45	<=30	Pass
		5787.5	26.86	25.92	<=30	Pass
		5844.5	24.89	24.13	<=30	Pass
20M	SISO	5735.5	25.34	26.58	<=30	Pass
		5787.5	27.94	26.94	<=30	Pass
		5839.5	25.90	25.08	<=30	Pass
40M	SISO	5745.5	23.26	23.23	<=30	Pass
		5787.5	26.83	26.01	<=30	Pass
		5829.5	23.55	23.77	<=30	Pass

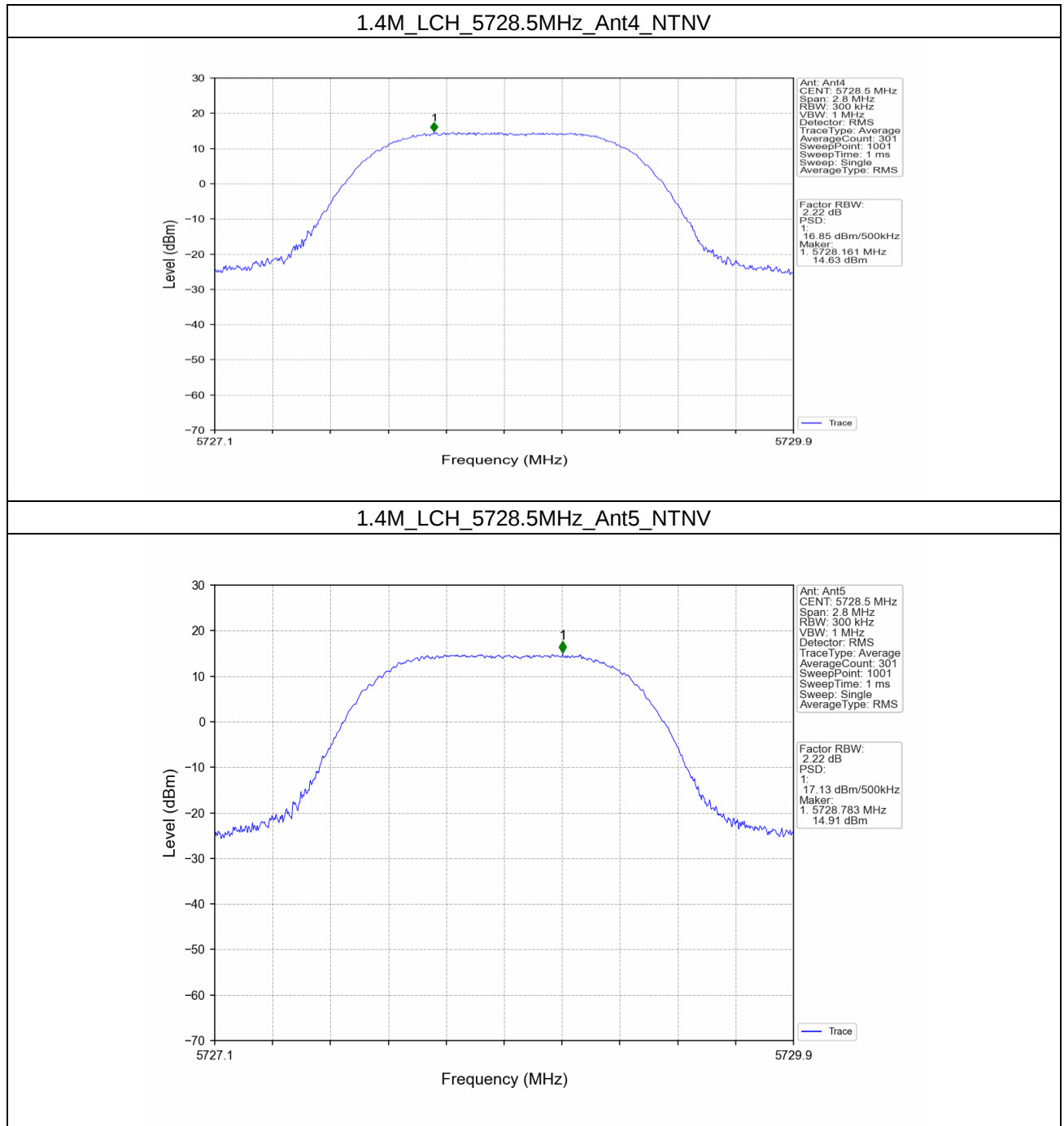
2. Maximum Power Spectral Density

2.1 PSD-Band3

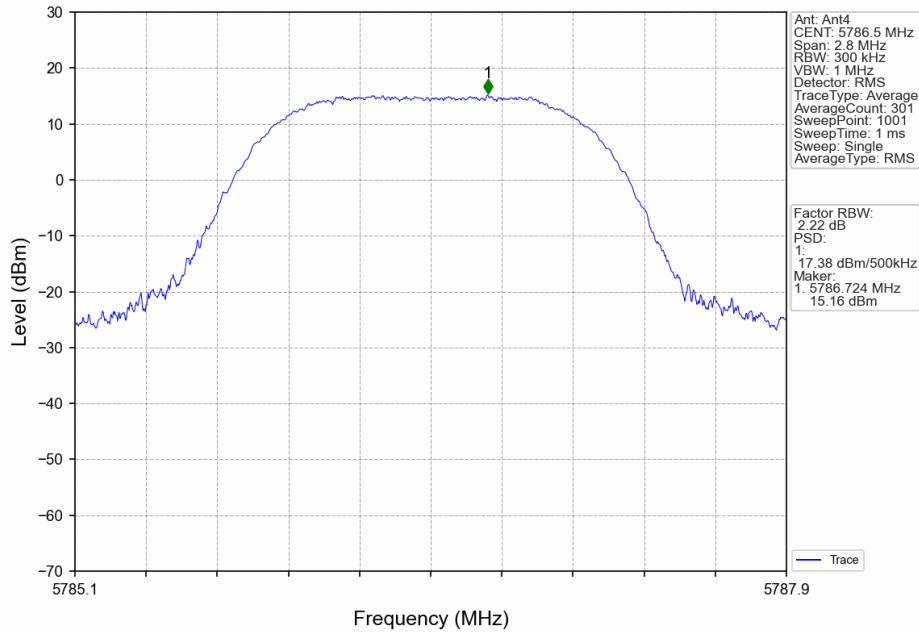
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Verdict
			ANT4	ANT5	Limit	
1.4M	SISO	5728.5	16.85	17.13	<=30	Pass
		5786.5	17.38	17.46	<=30	Pass
		5846.12	17.57	17.17	<=30	Pass
3M	SISO	5727.5	14.22	14.32	<=30	Pass
		5784.5	14.36	14.31	<=30	Pass
		5847.2	14.65	14.16	<=30	Pass
5M	SISO	5732.5	11.80	12.17	<=30	Pass
		5782.5	12.55	12.14	<=30	Pass
		5842.5	12.52	12.18	<=30	Pass
10M	SISO	5730.5	15.31	14.61	<=30	Pass
		5787.5	15.20	14.12	<=30	Pass
		5844.5	15.20	14.33	<=30	Pass
20M	SISO	5735.5	12.95	12.08	<=30	Pass
		5787.5	13.67	12.63	<=30	Pass
		5839.5	13.59	12.25	<=30	Pass
40M	SISO	5745.5	8.65	7.75	<=30	Pass
		5787.5	9.37	8.43	<=30	Pass
		5829.5	7.98	7.29	<=30	Pass

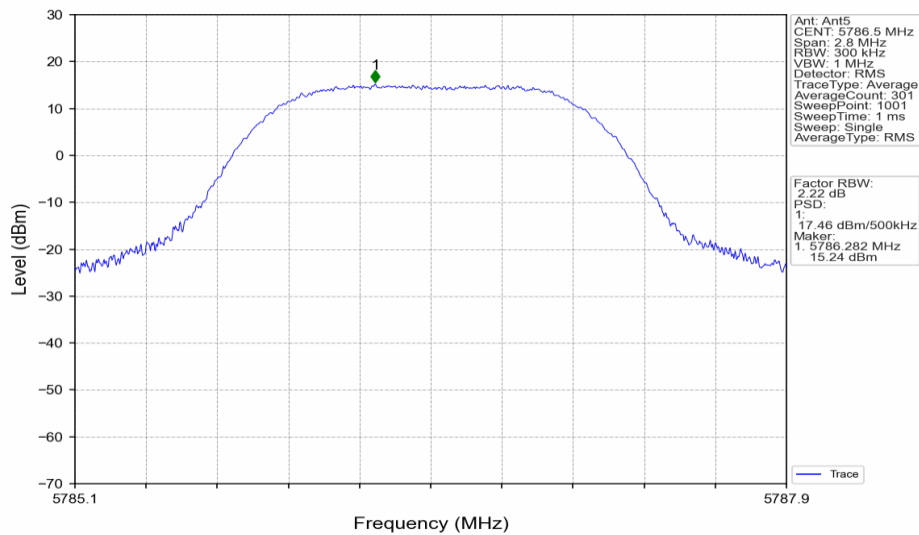
2.1.2 Test Graph



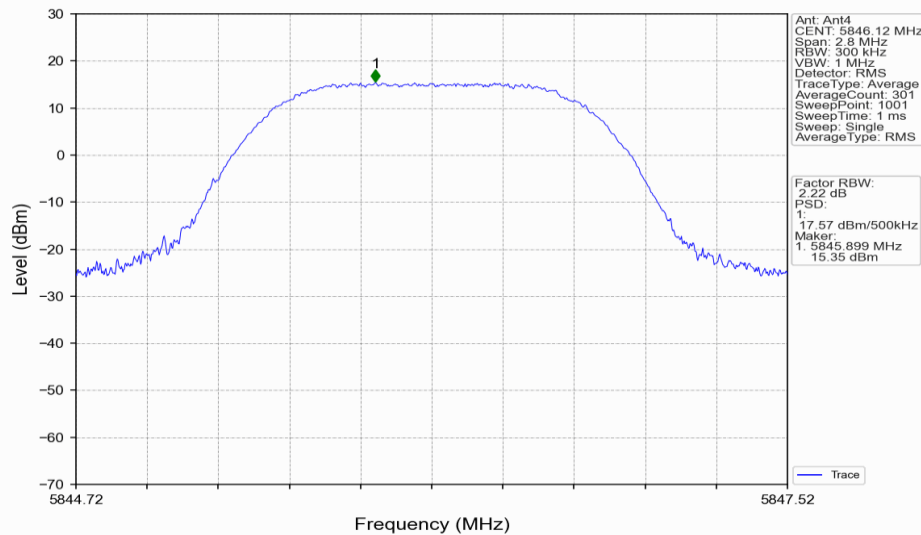
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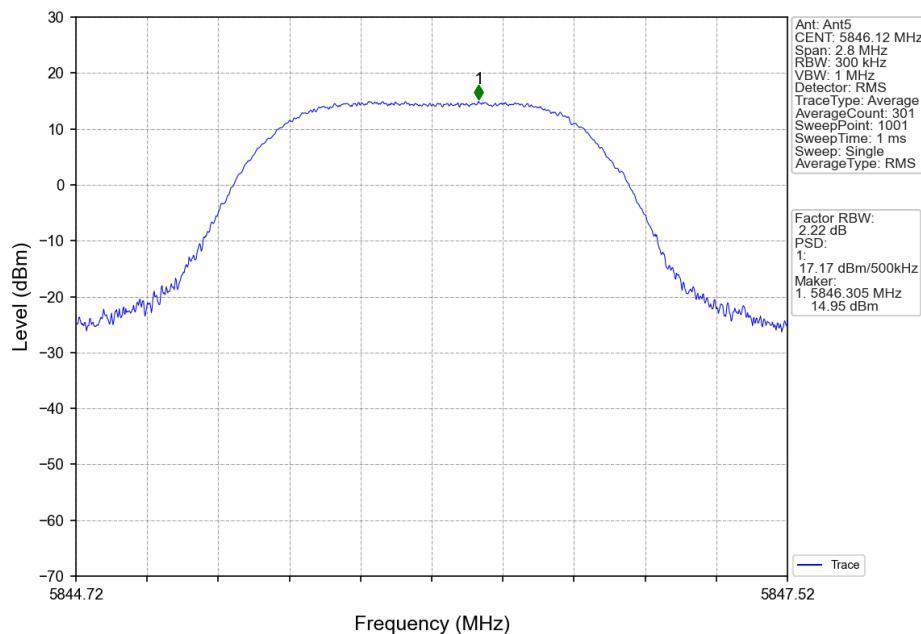
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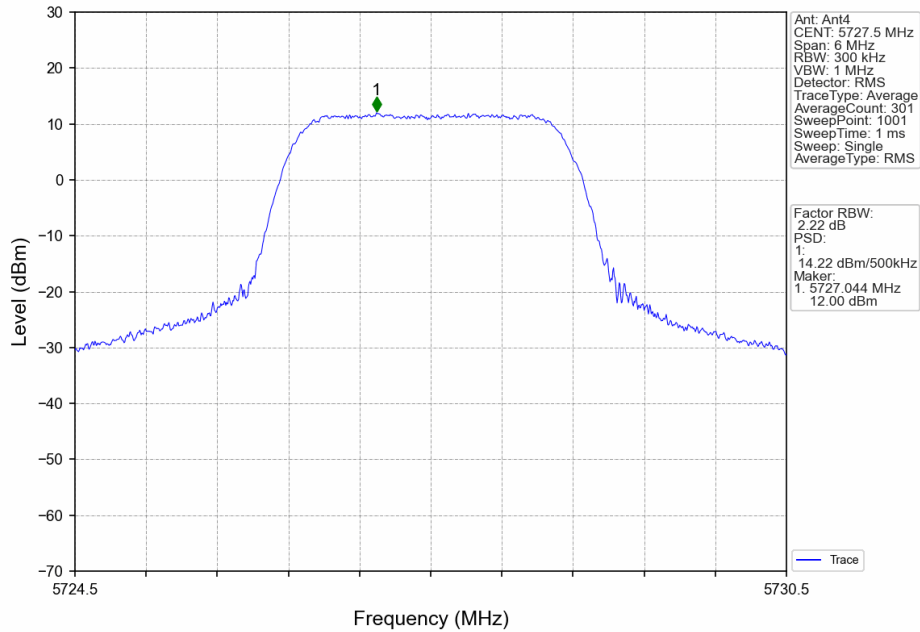
1.4M_HCH_5846.12MHz_Ant4_NTNV



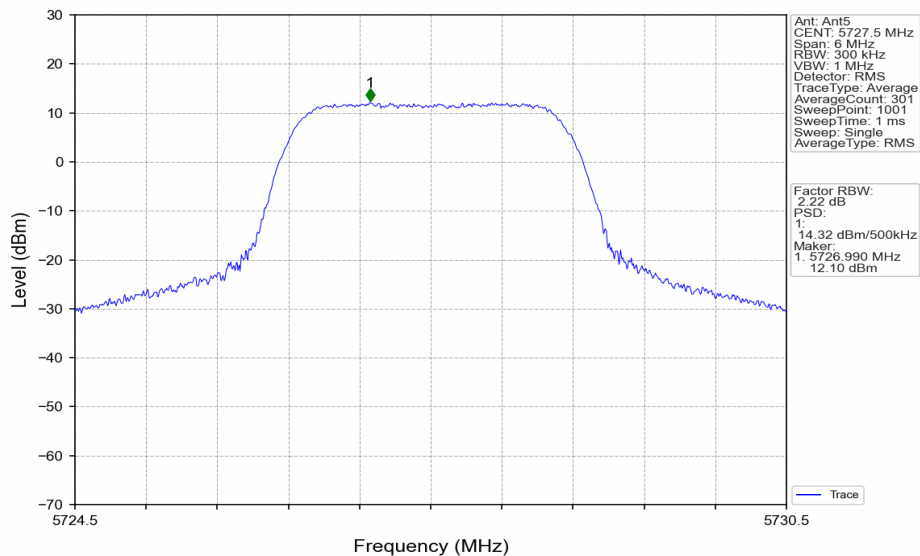
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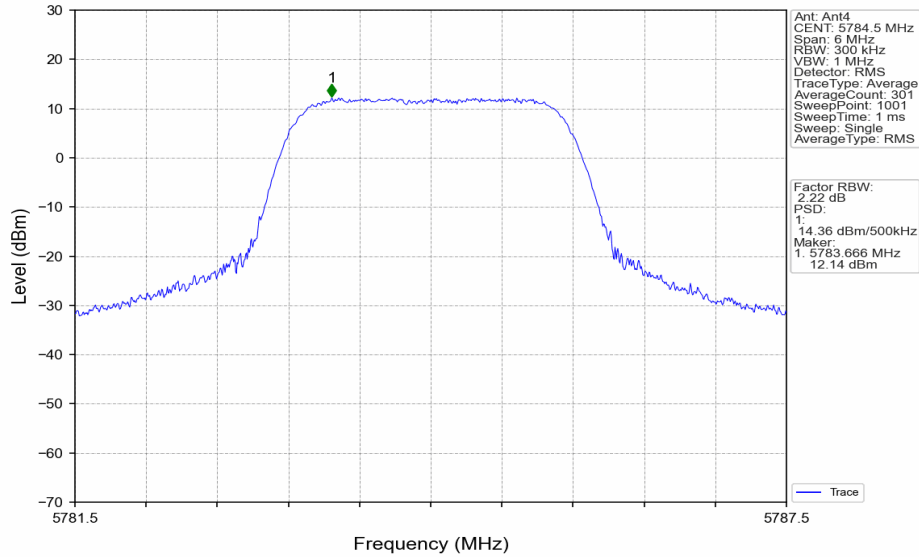
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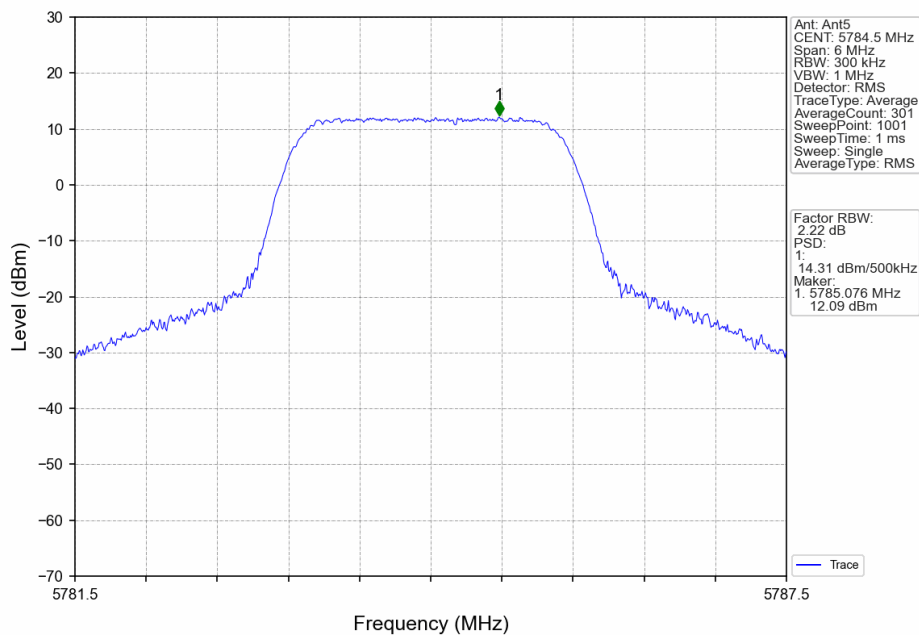
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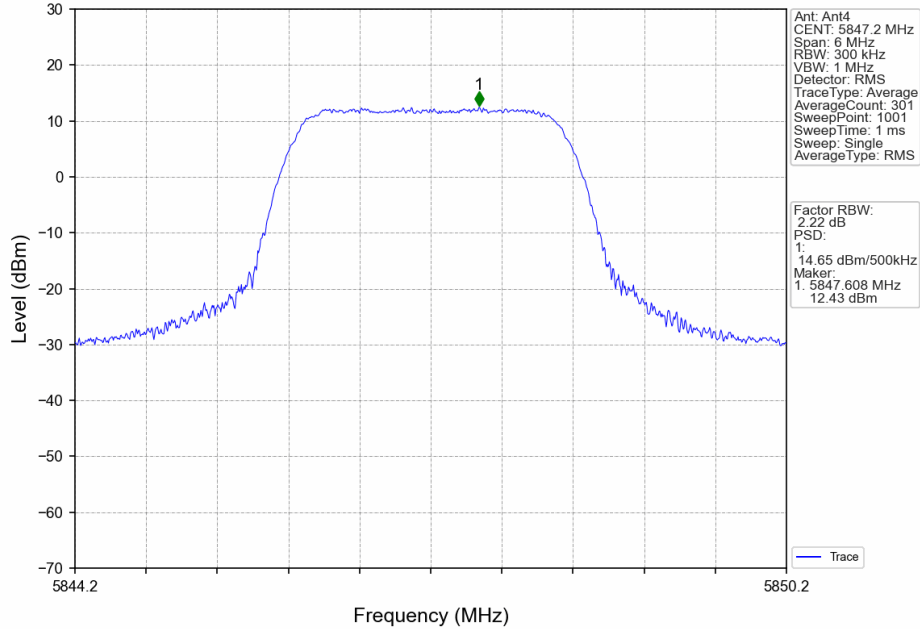
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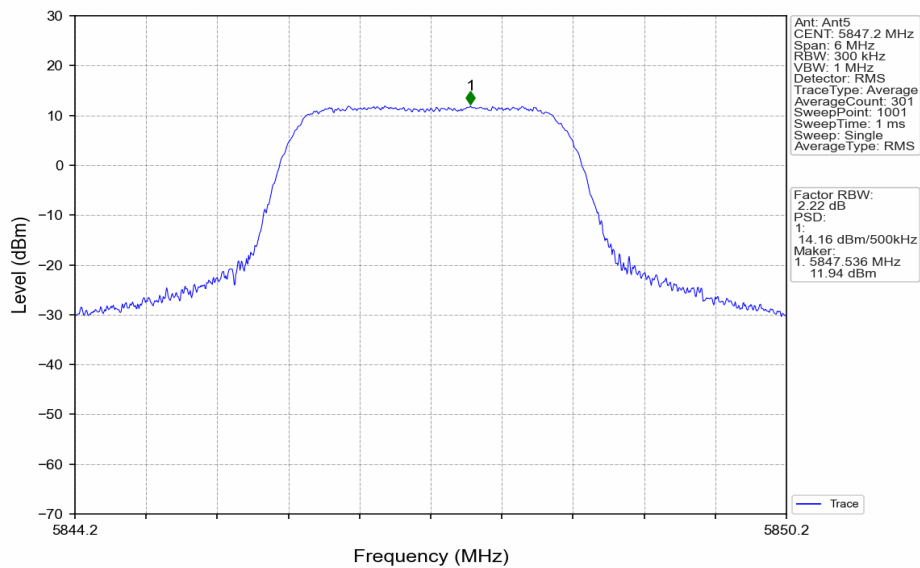
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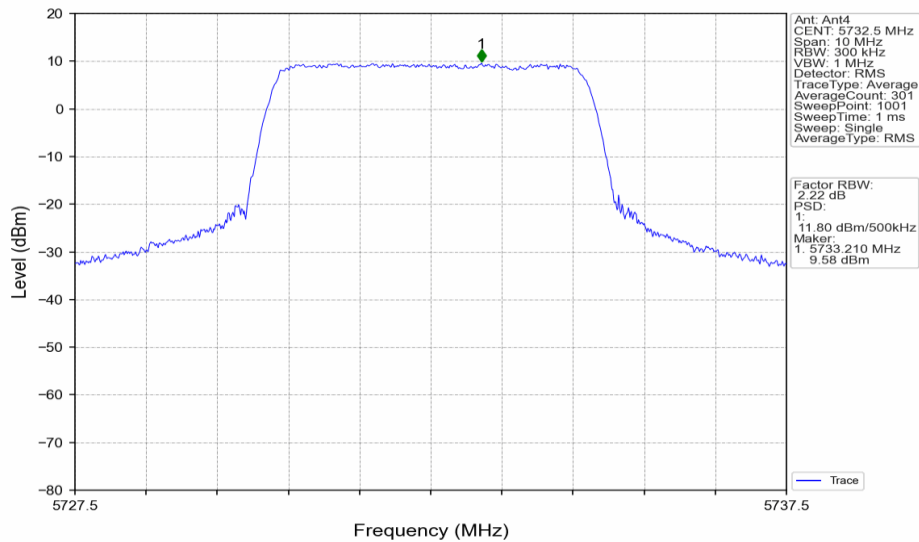
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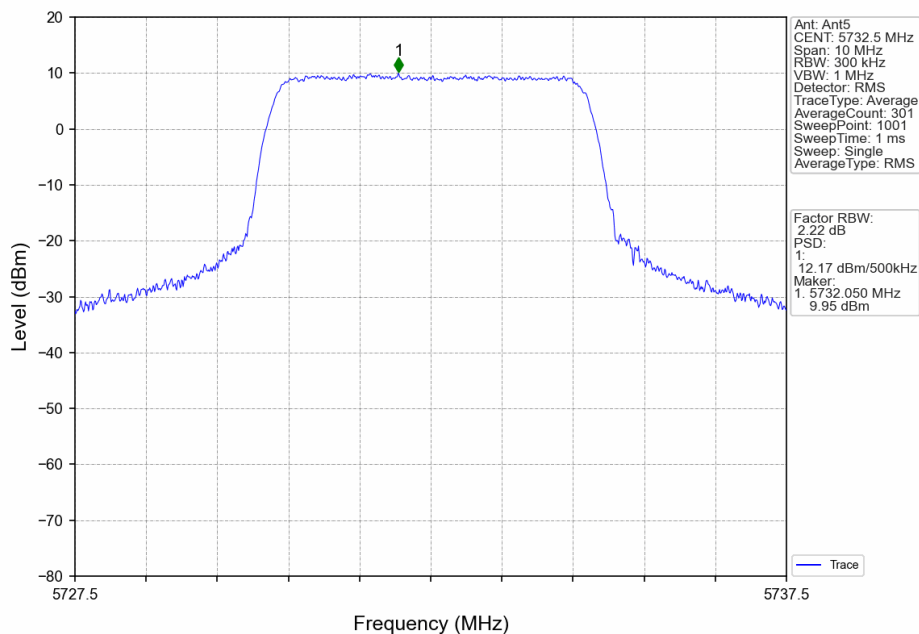
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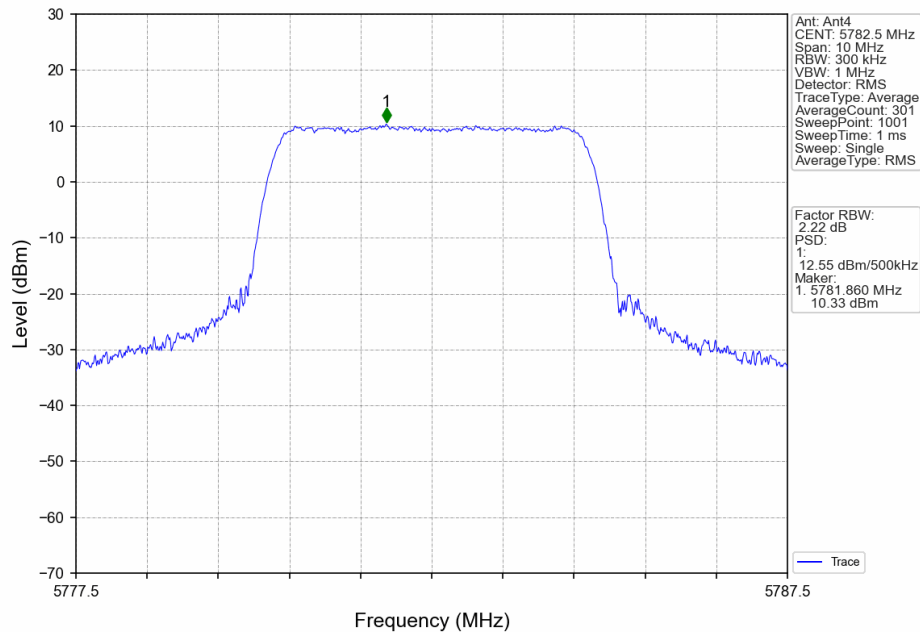
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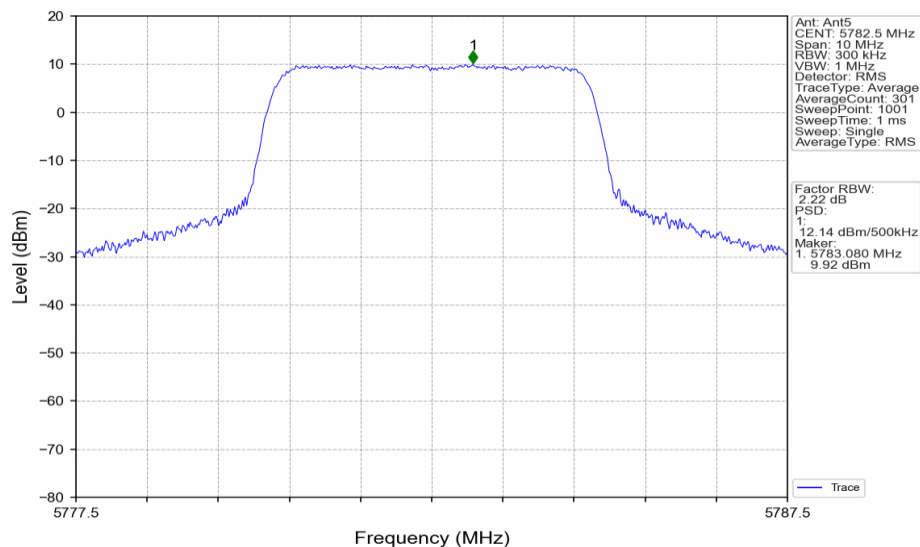
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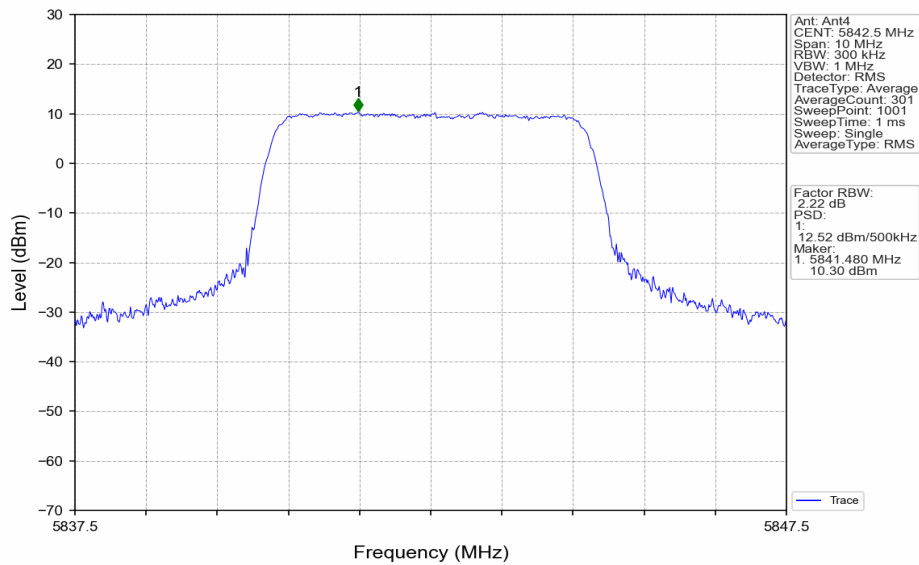
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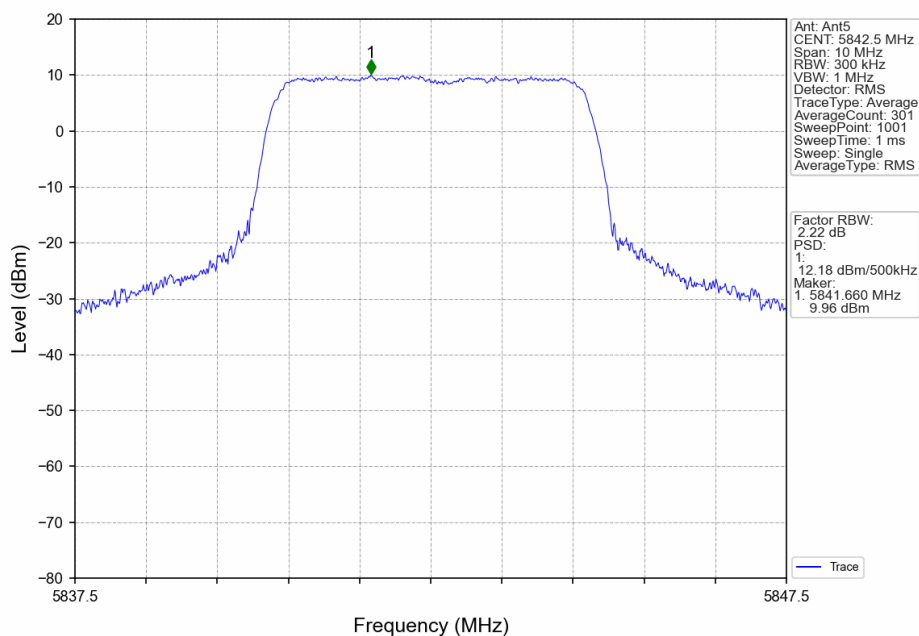
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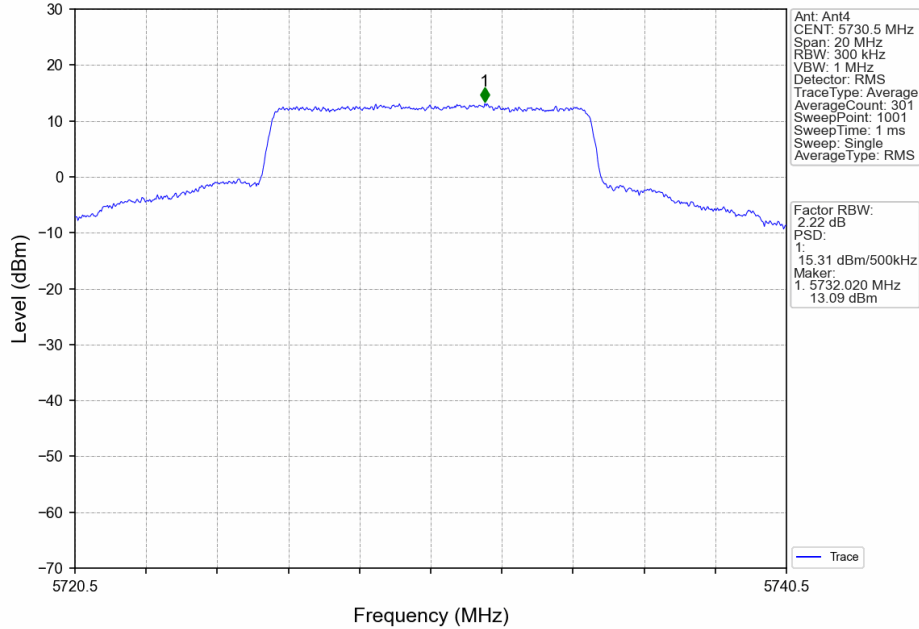
5M_HCH_5842.5MHz_Ant4_NTNV



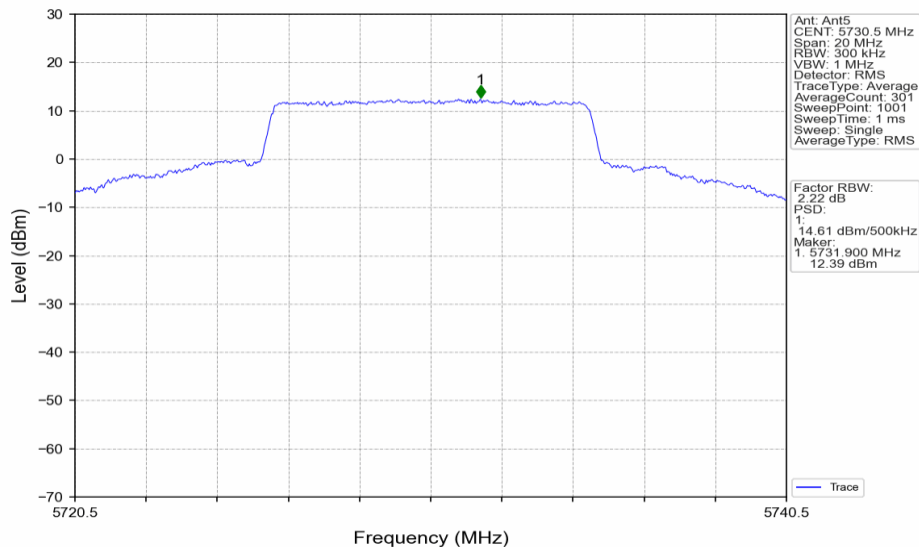
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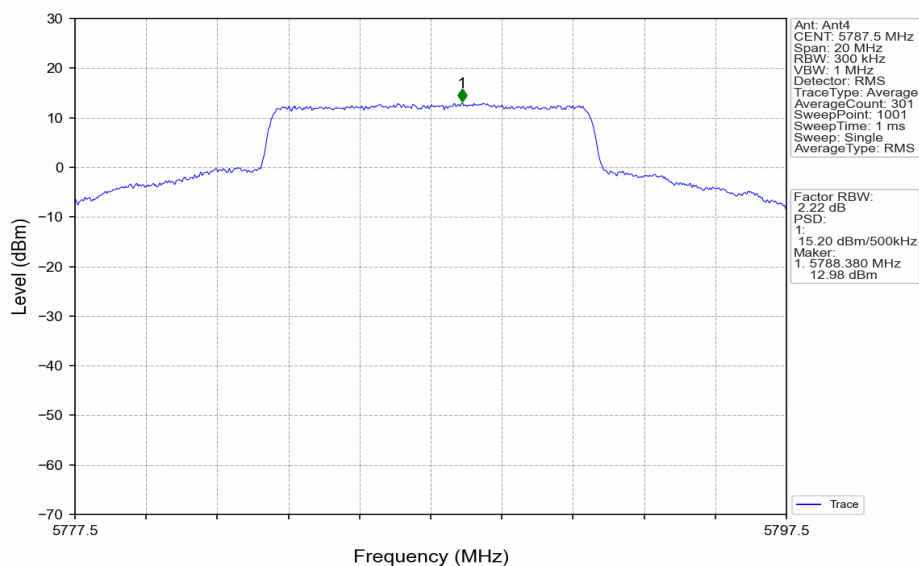
10M_LCH_5730.5MHz_Ant4_NTNV



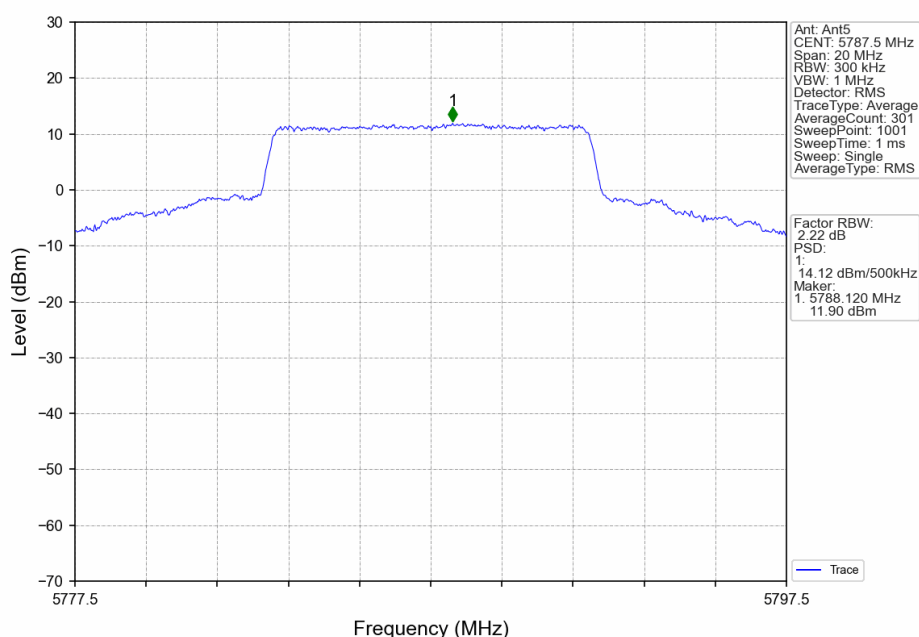
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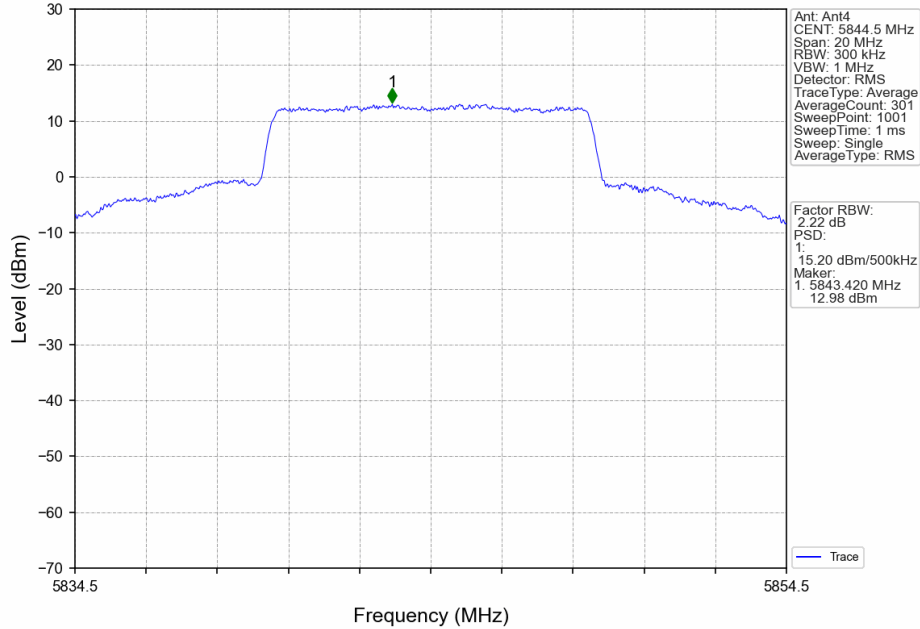
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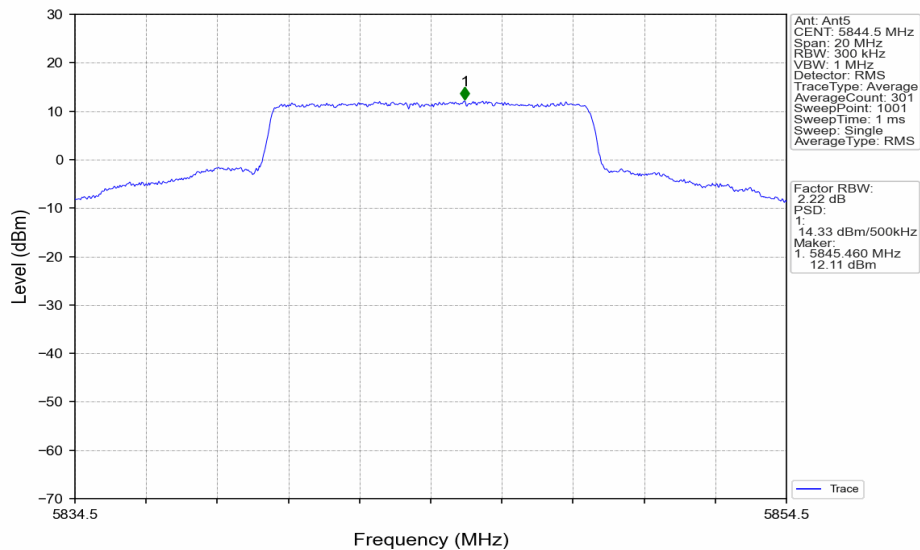
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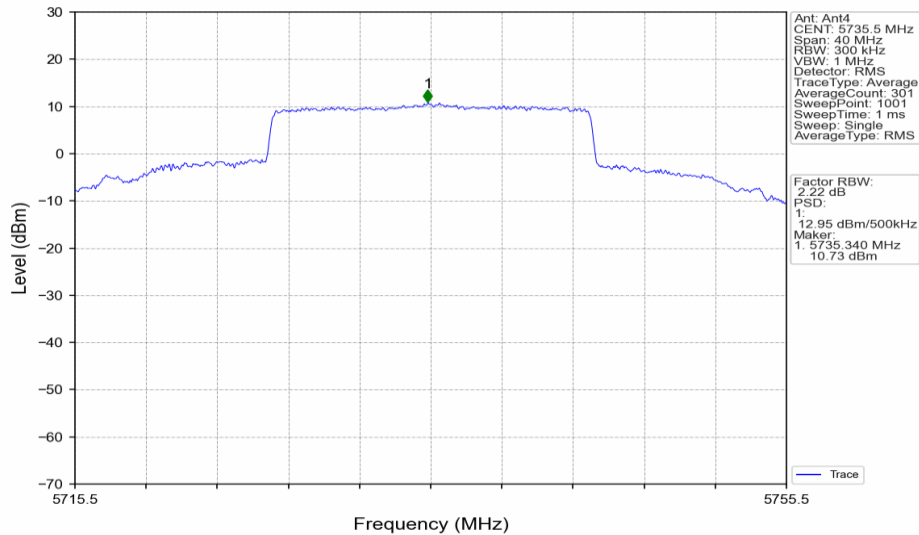
10M_HCH_5844.5MHz_Ant4_NTNV



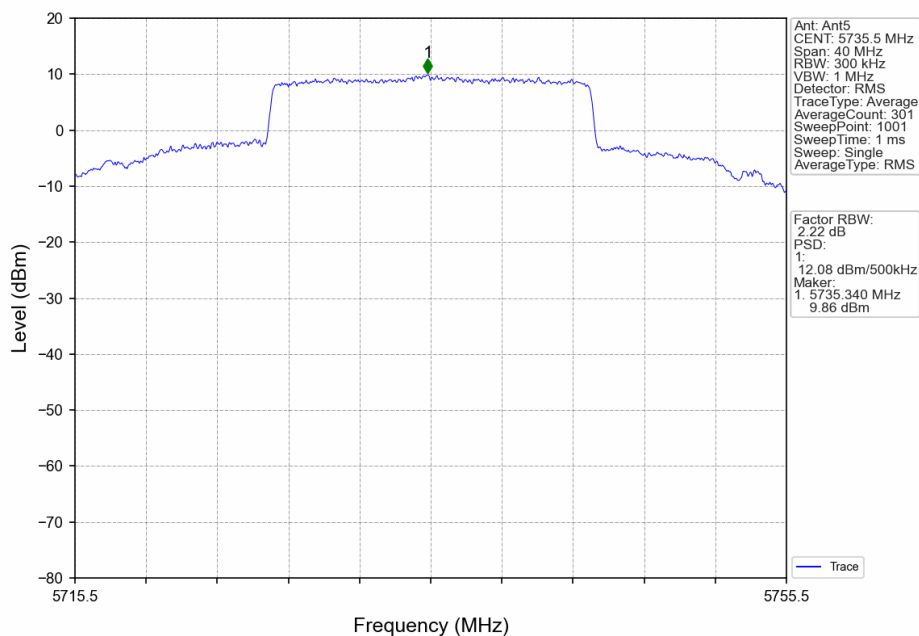
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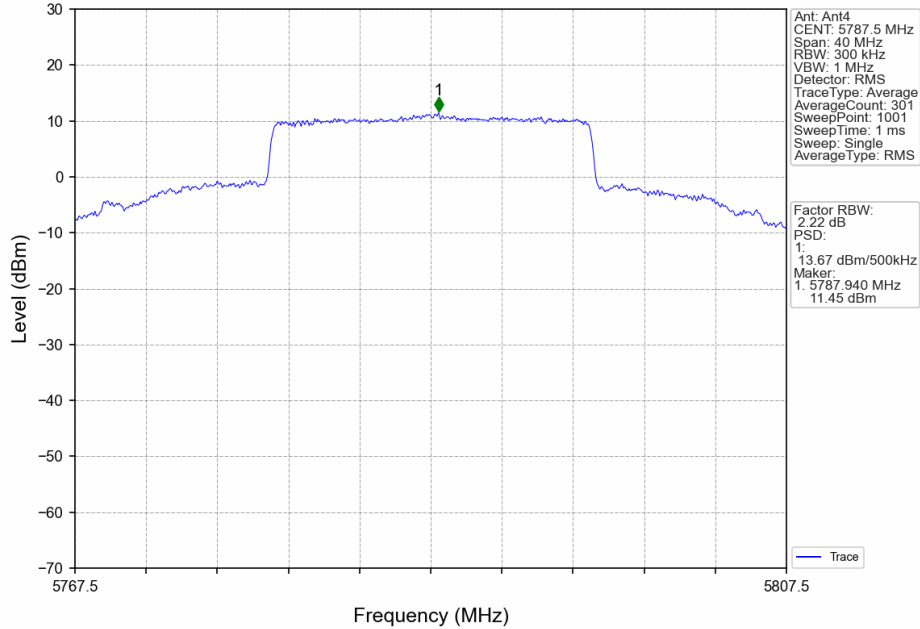
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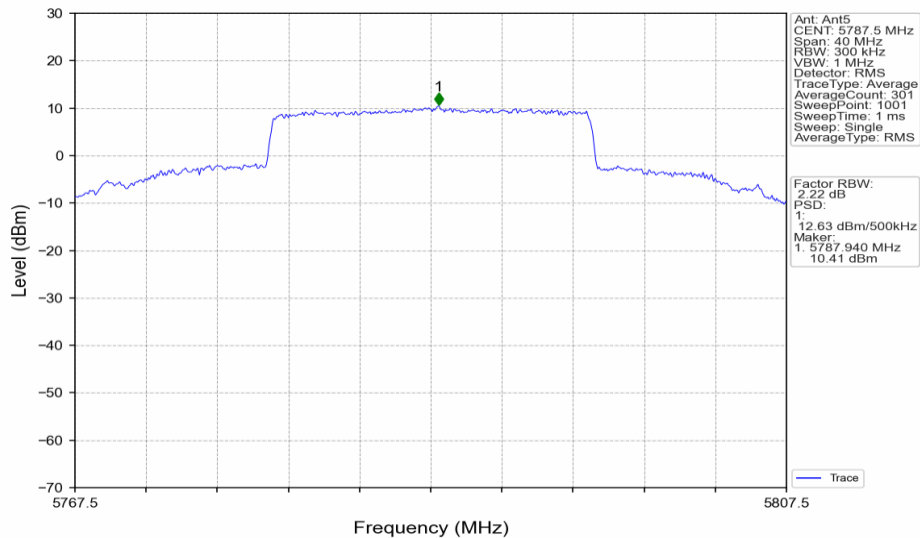
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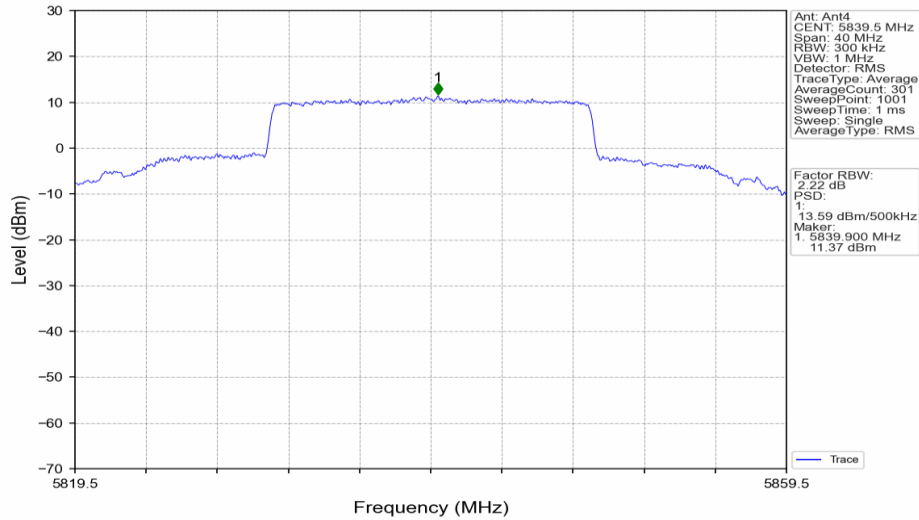
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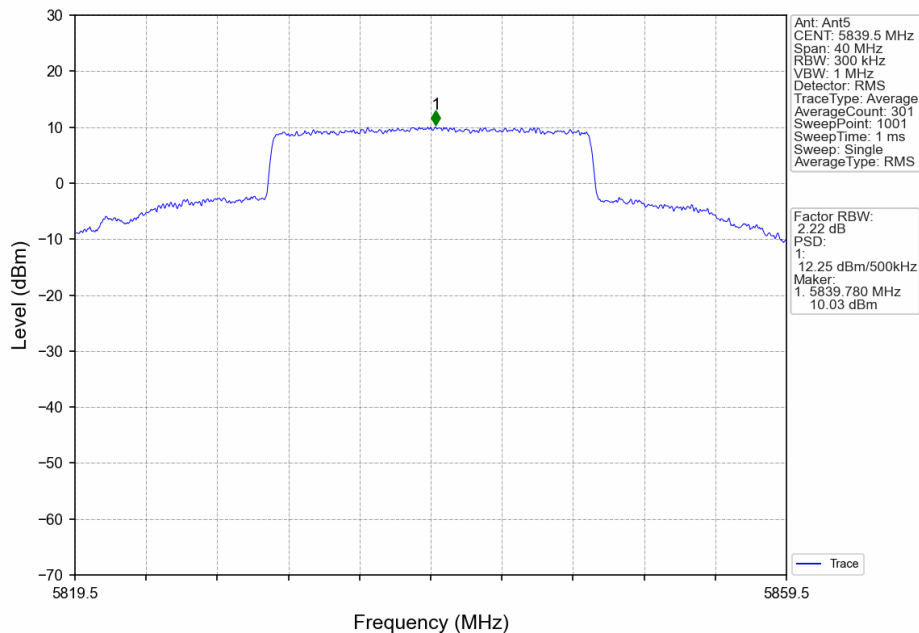
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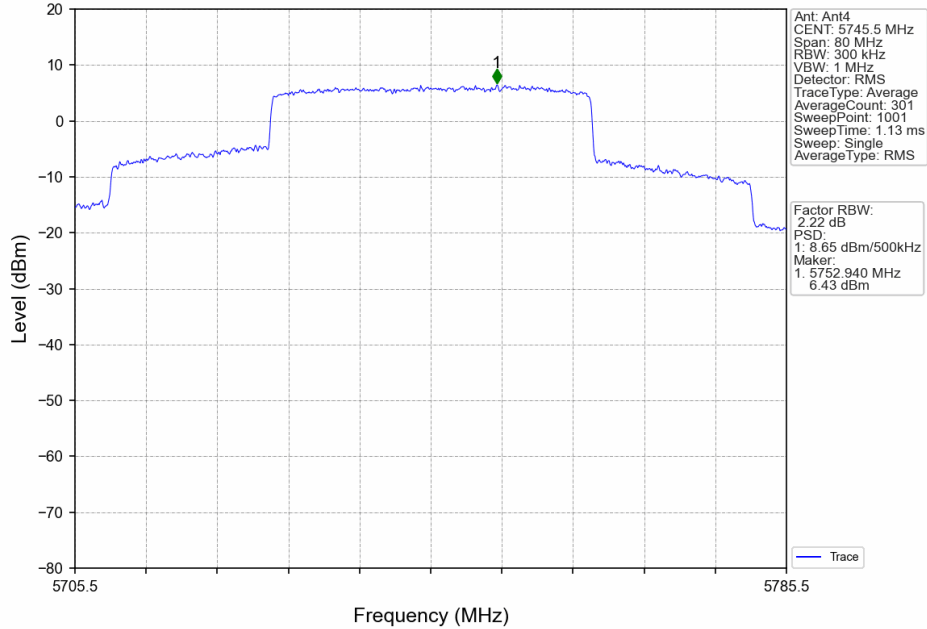
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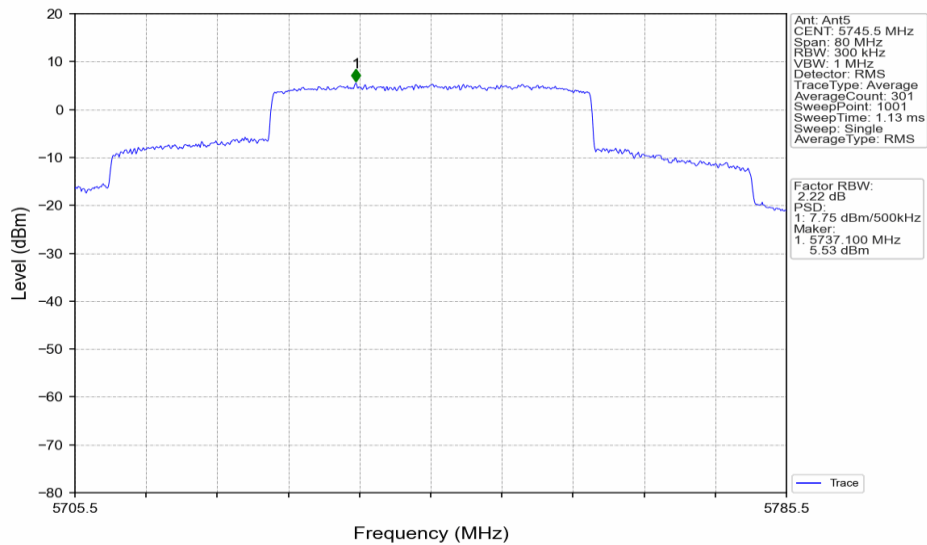
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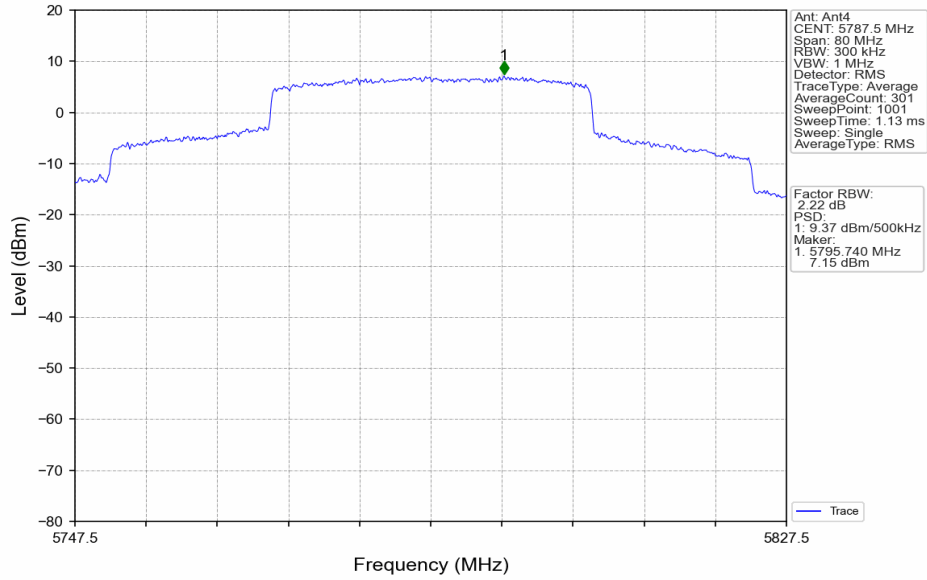
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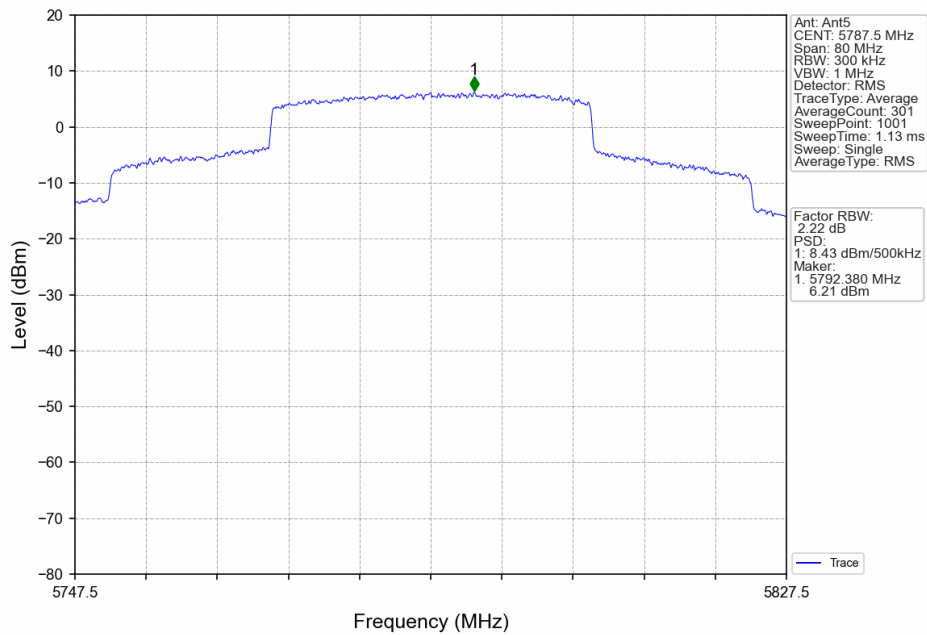
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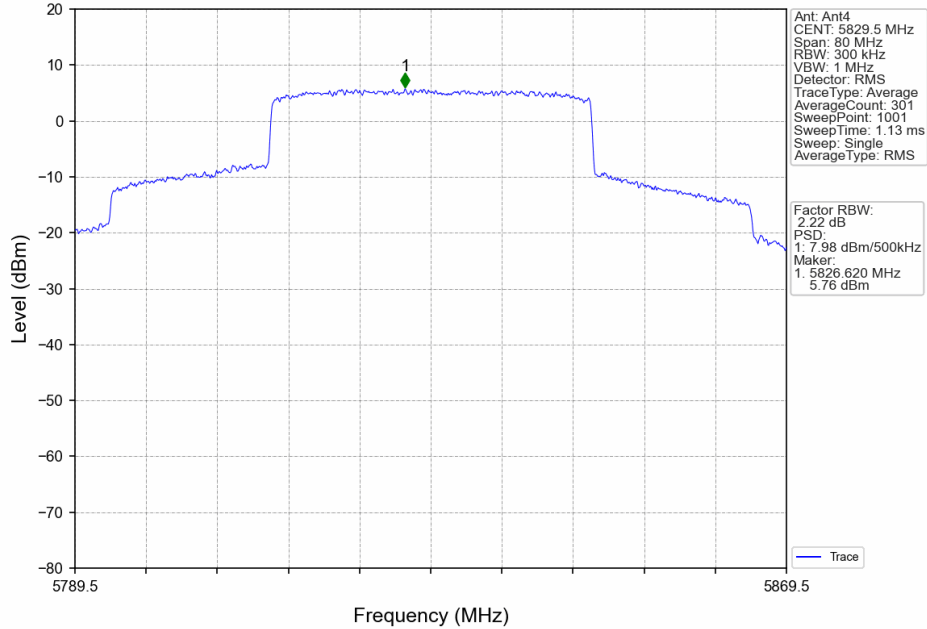
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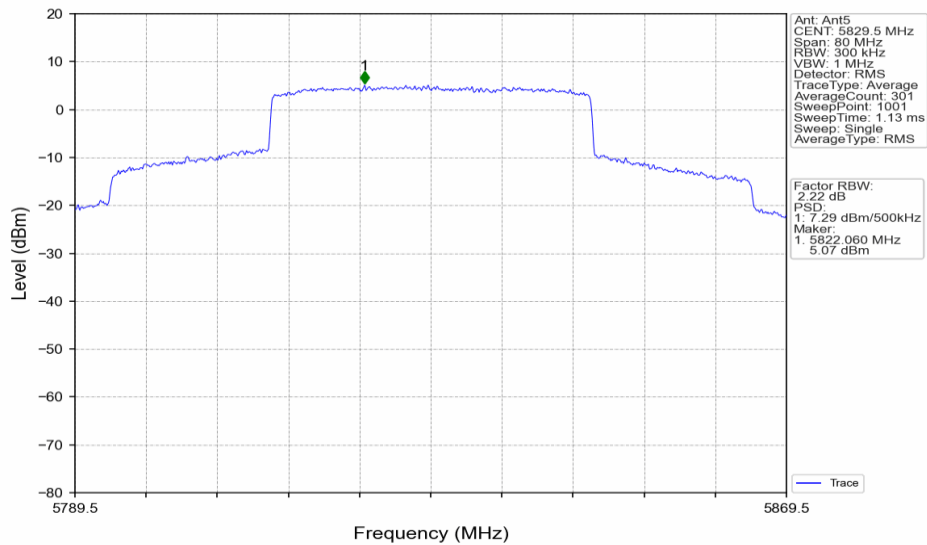
40M_MCH_5787.5MHz_Ant5_NTNV



40M_HCH_5829.5MHz_Ant4_NTNV



40M_HCH_5829.5MHz_Ant5_NTNV



5.8G SDR MIMO Mode: (ANT2 combined ANT3 is the worse-case, only the worse-case test data were reported)

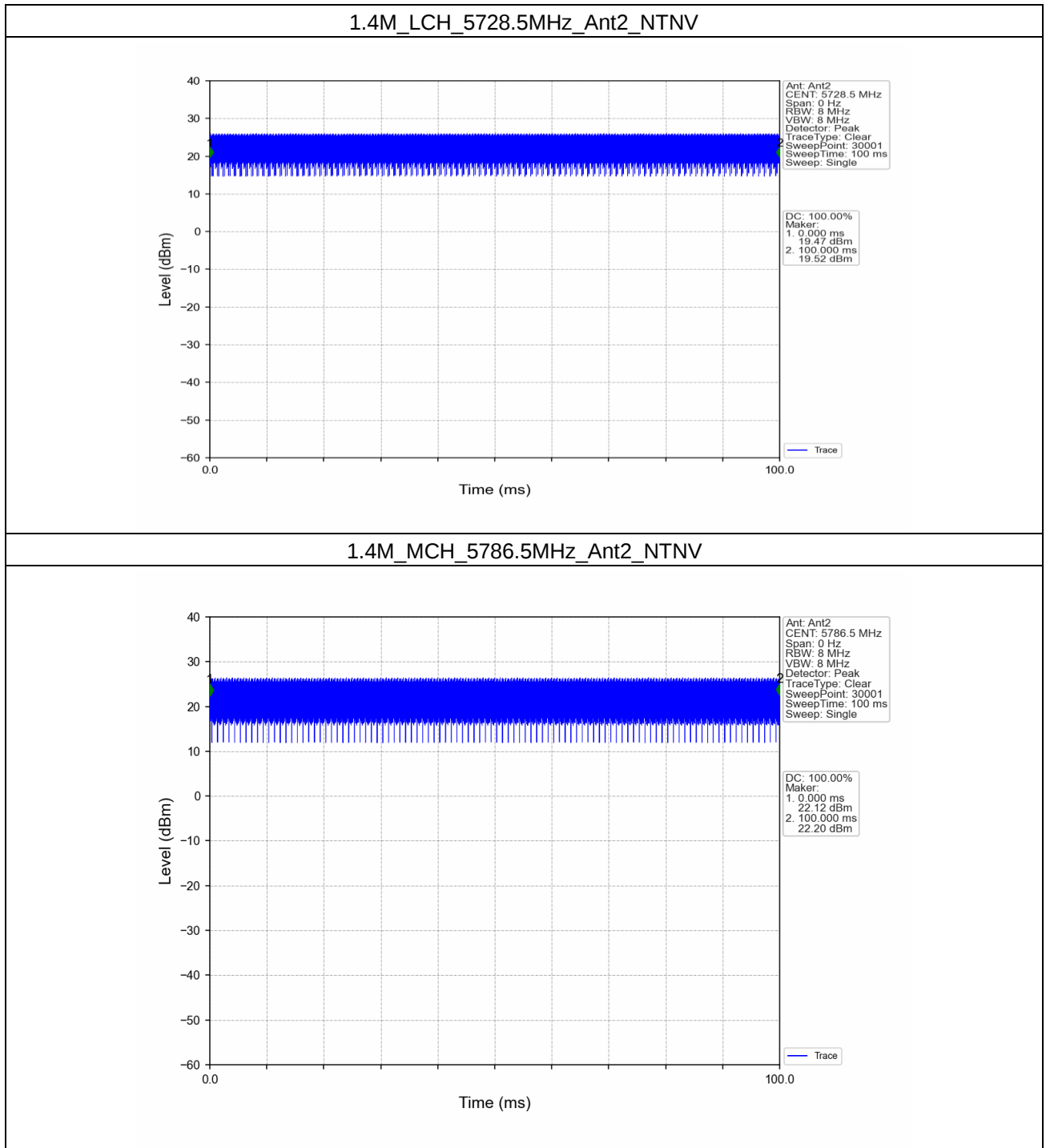
1. Duty Cycle

1.1 Ant2

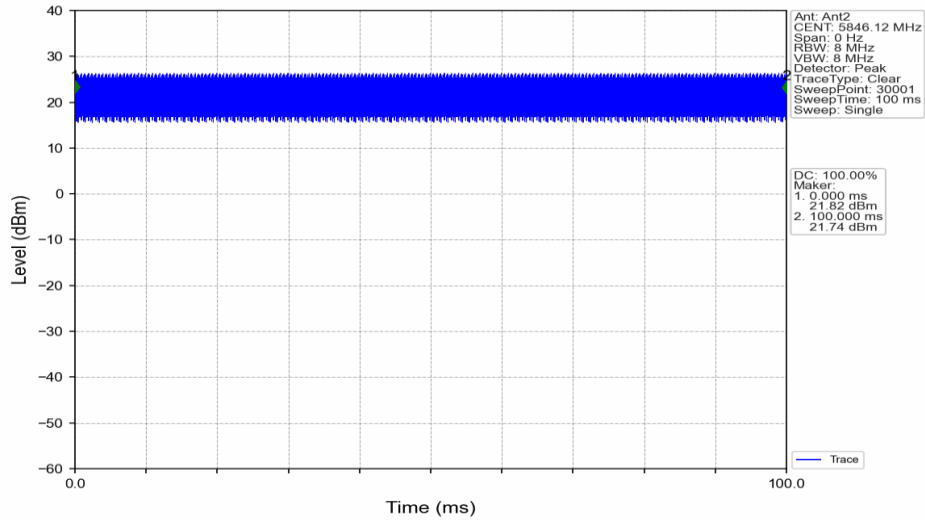
1.1.1 Test Result

Ant2							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1.4M	MIMO	5728.5	100.000	100.000	100.00	0.00	0.00
		5786.5	100.000	100.000	100.00	0.00	0.00
		5846.12	100.000	100.000	100.00	0.00	0.00
3M	MIMO	5727.5	100.000	100.000	100.00	0.00	0.00
		5784.5	100.000	100.000	100.00	0.00	0.00
		5847.2	100.000	100.000	100.00	0.00	0.00
5M	MIMO	5732.5	100.000	100.000	100.00	0.00	0.00
		5782.5	100.000	100.000	100.00	0.00	0.00
		5842.5	100.000	100.000	100.00	0.00	0.00
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

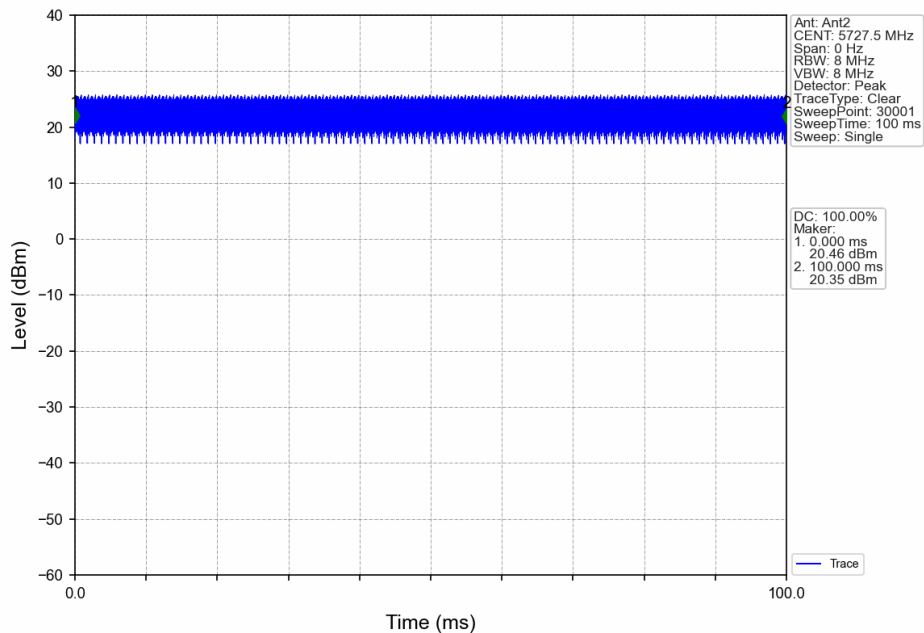
1.1.2 Test Graph



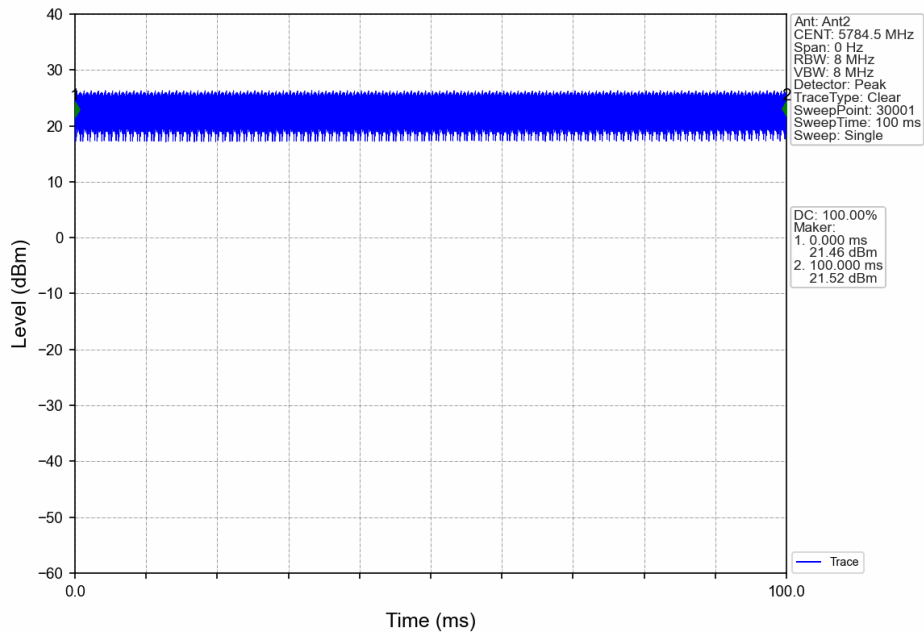
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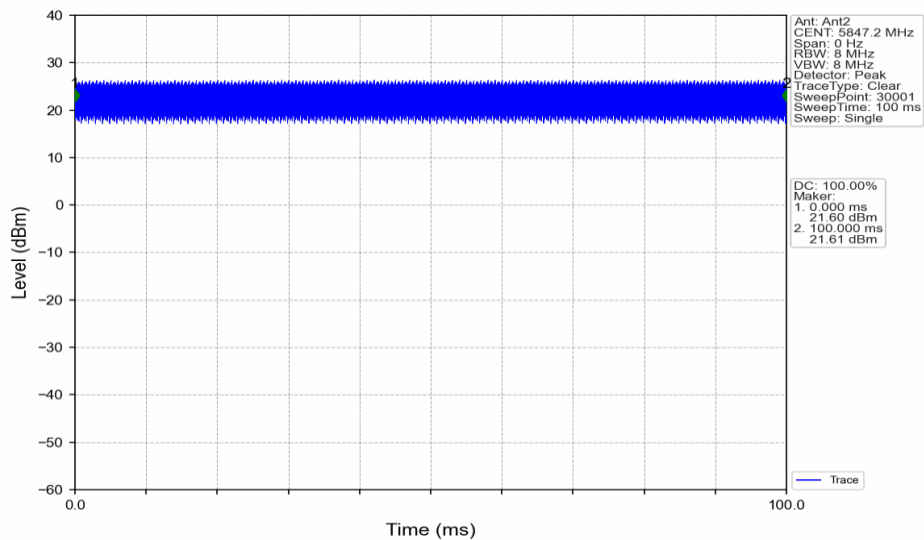
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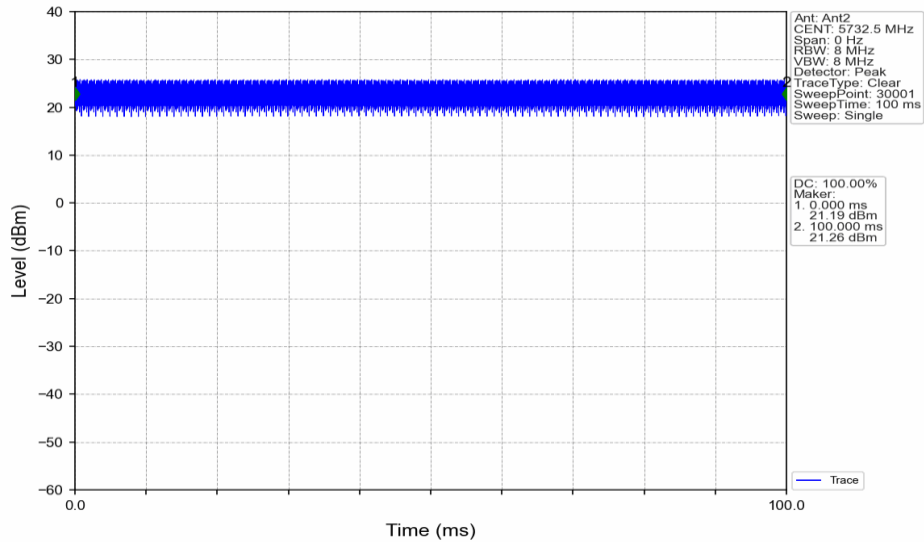
3M_MCH_5784.5MHz_Ant2_NTNV



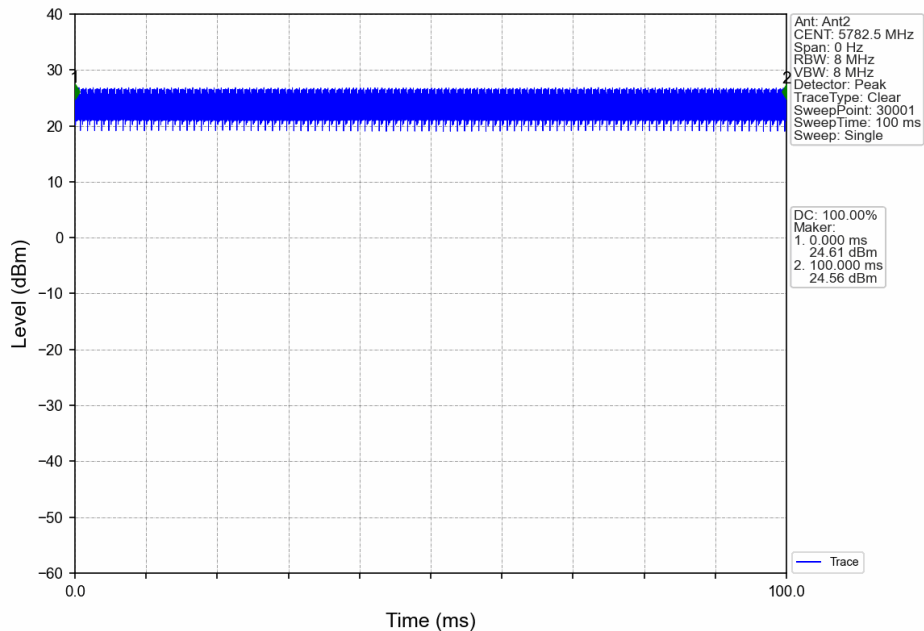
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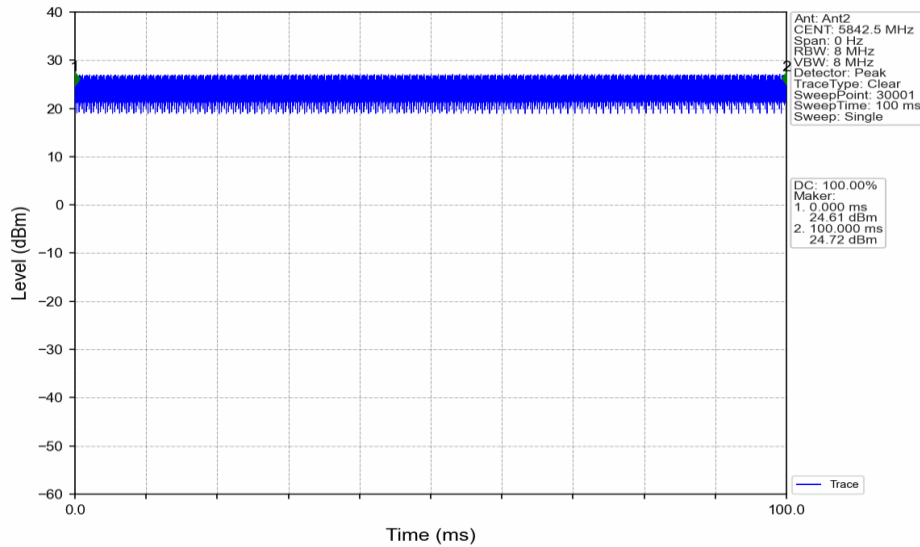
5M_LCH_5732.5MHz_Ant2_NTNV



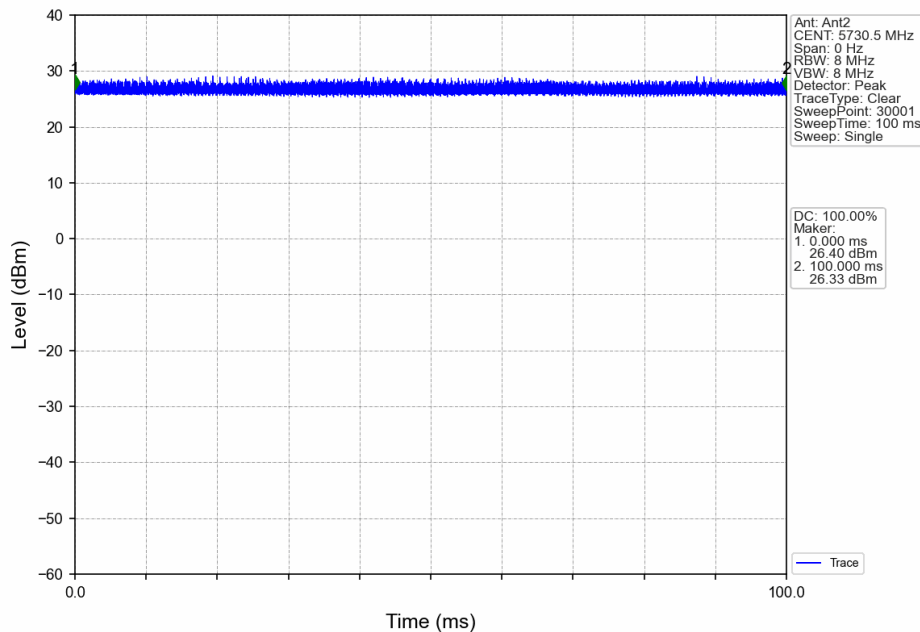
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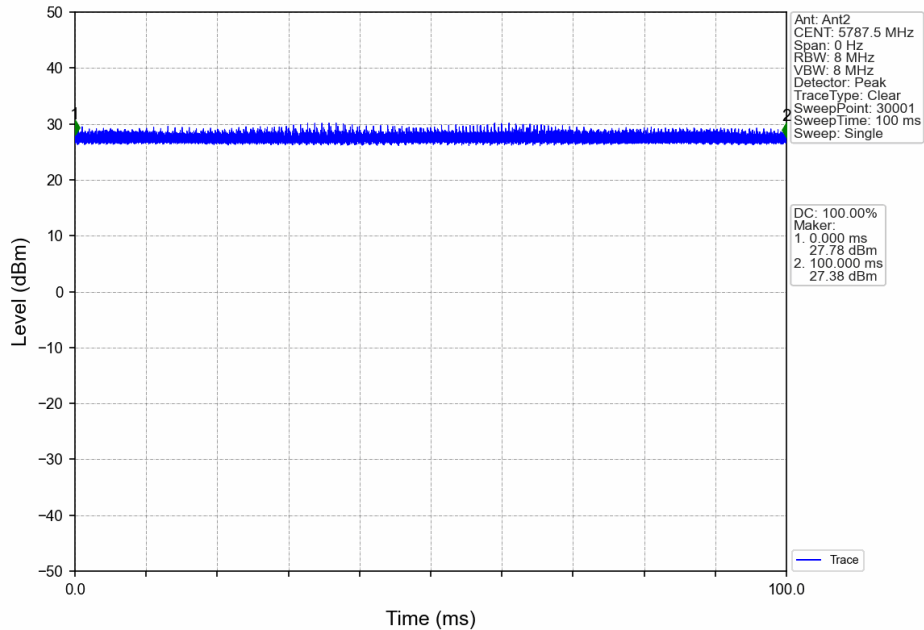
5M_HCH_5842.5MHz_Ant2_NTNV



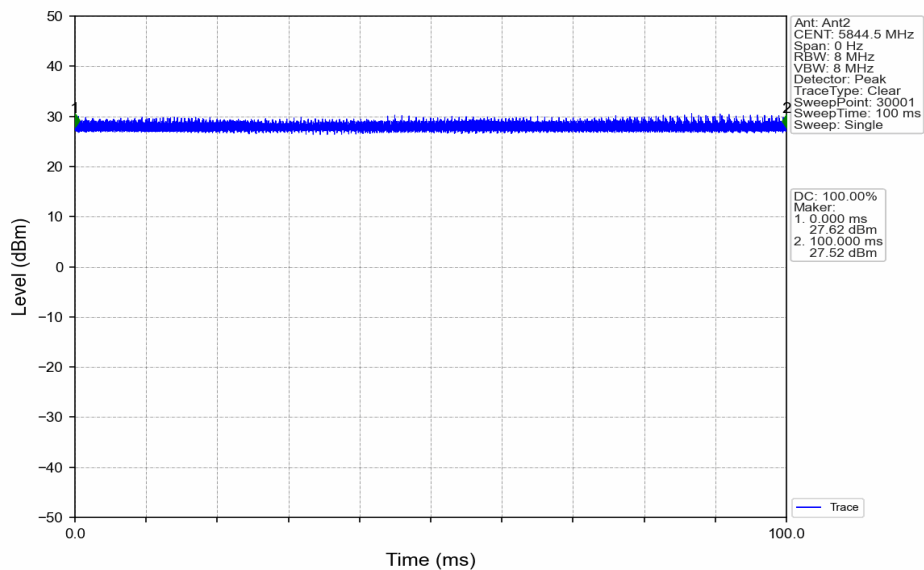
10M_LCH_5730.5MHz_Ant2_NTNV



10M_MCH_5787.5MHz_Ant2_NTNV



10M_HCH_5844.5MHz_Ant2_NTNV

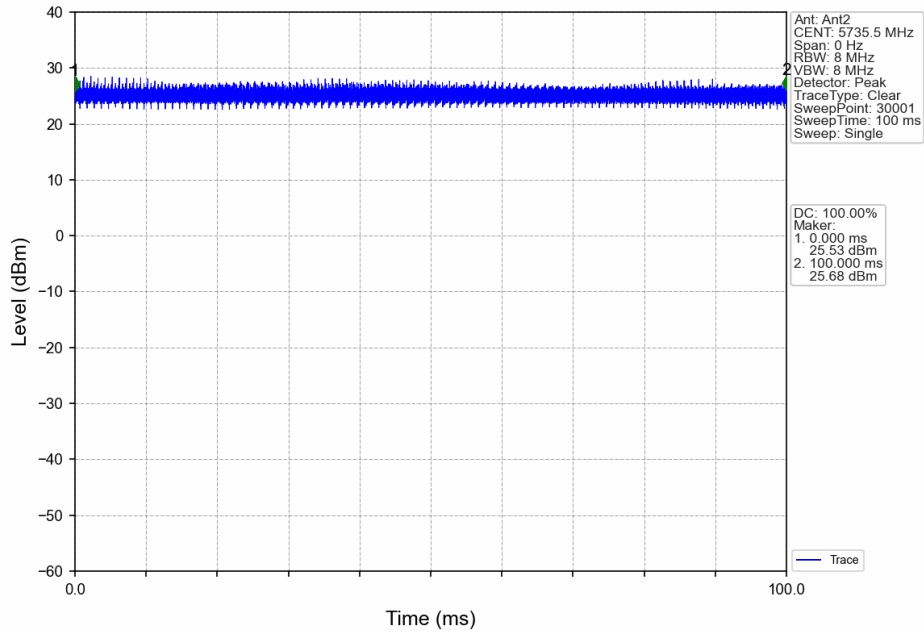


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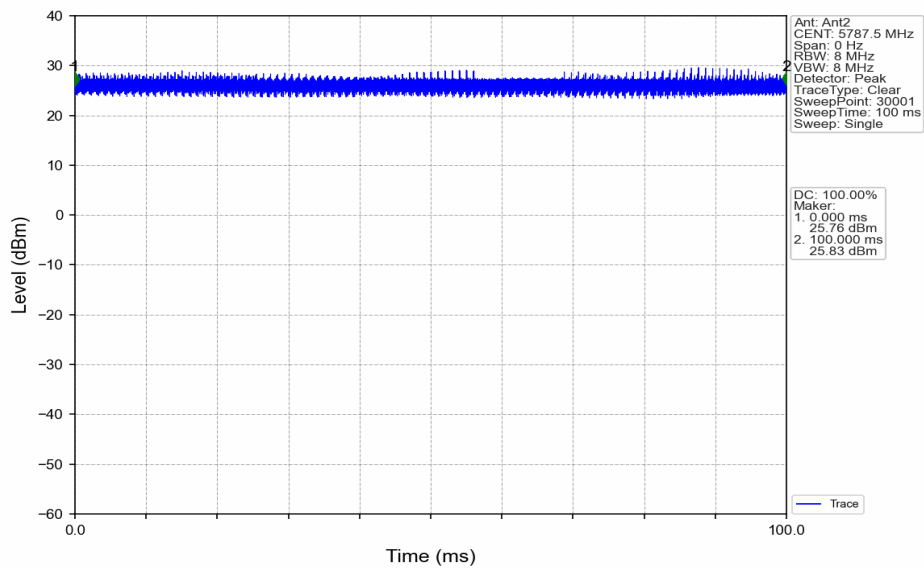
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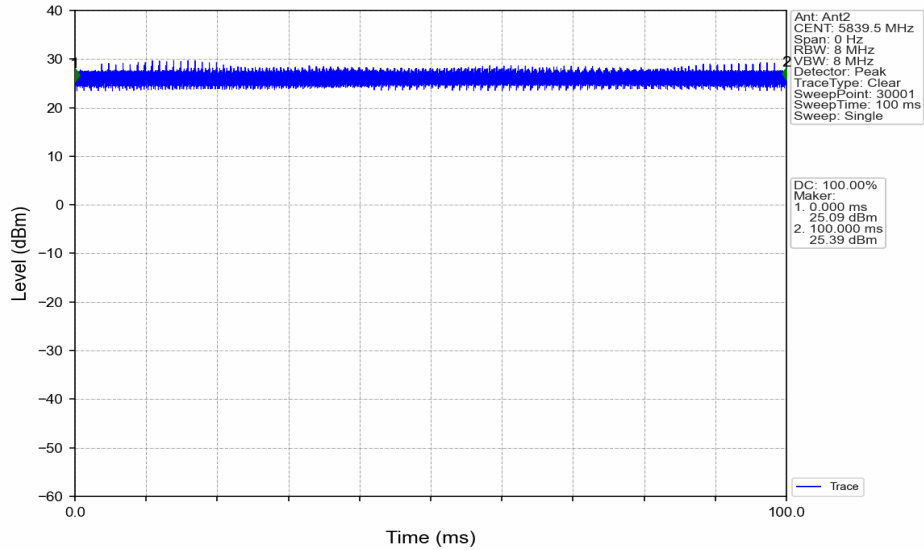
20M_LCH_5735.5MHz_Ant2_NTNV



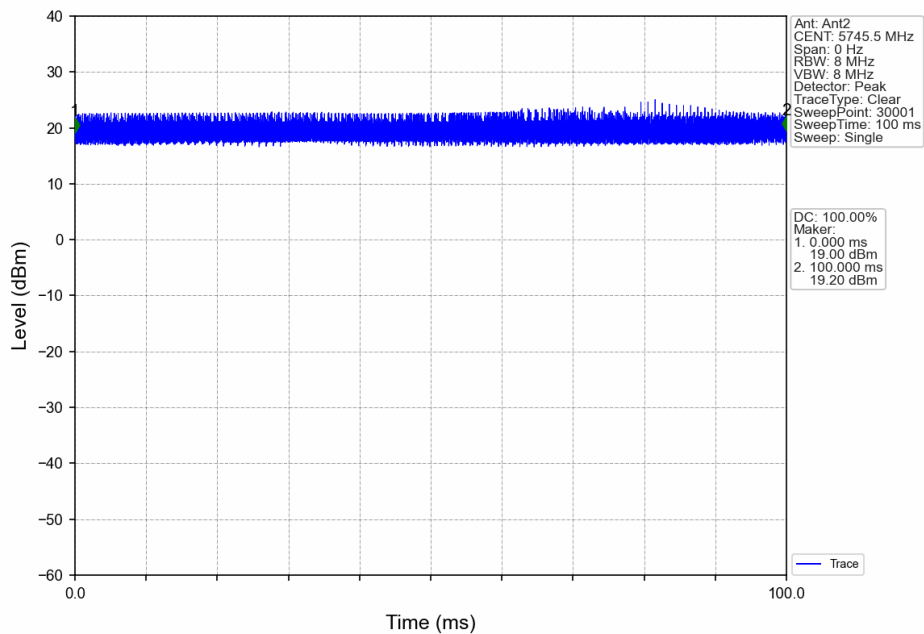
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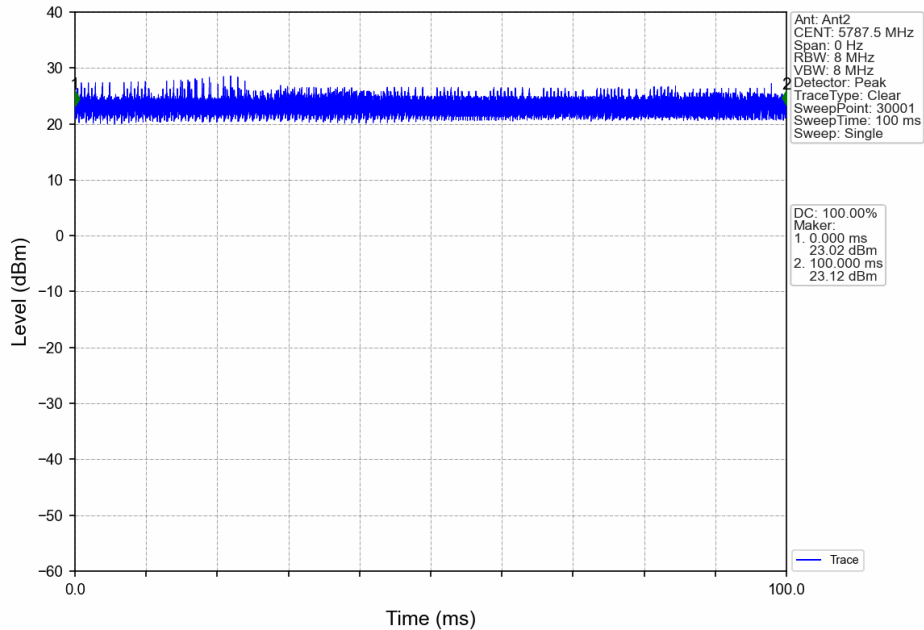
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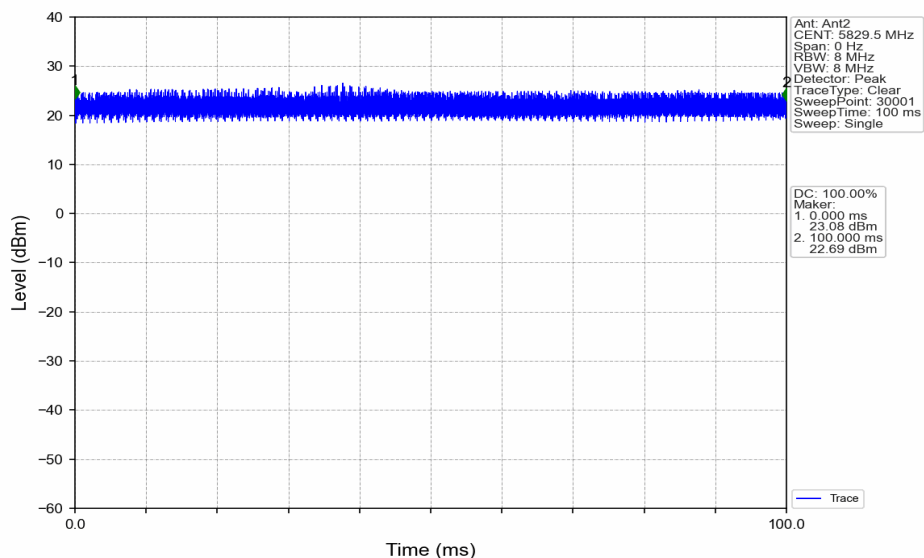
40M_LCH_5745.5MHz_Ant2_NTNV



40M_MCH_5787.5MHz_Ant2_NTNV



40M_HCH_5829.5MHz_Ant2_NTNV



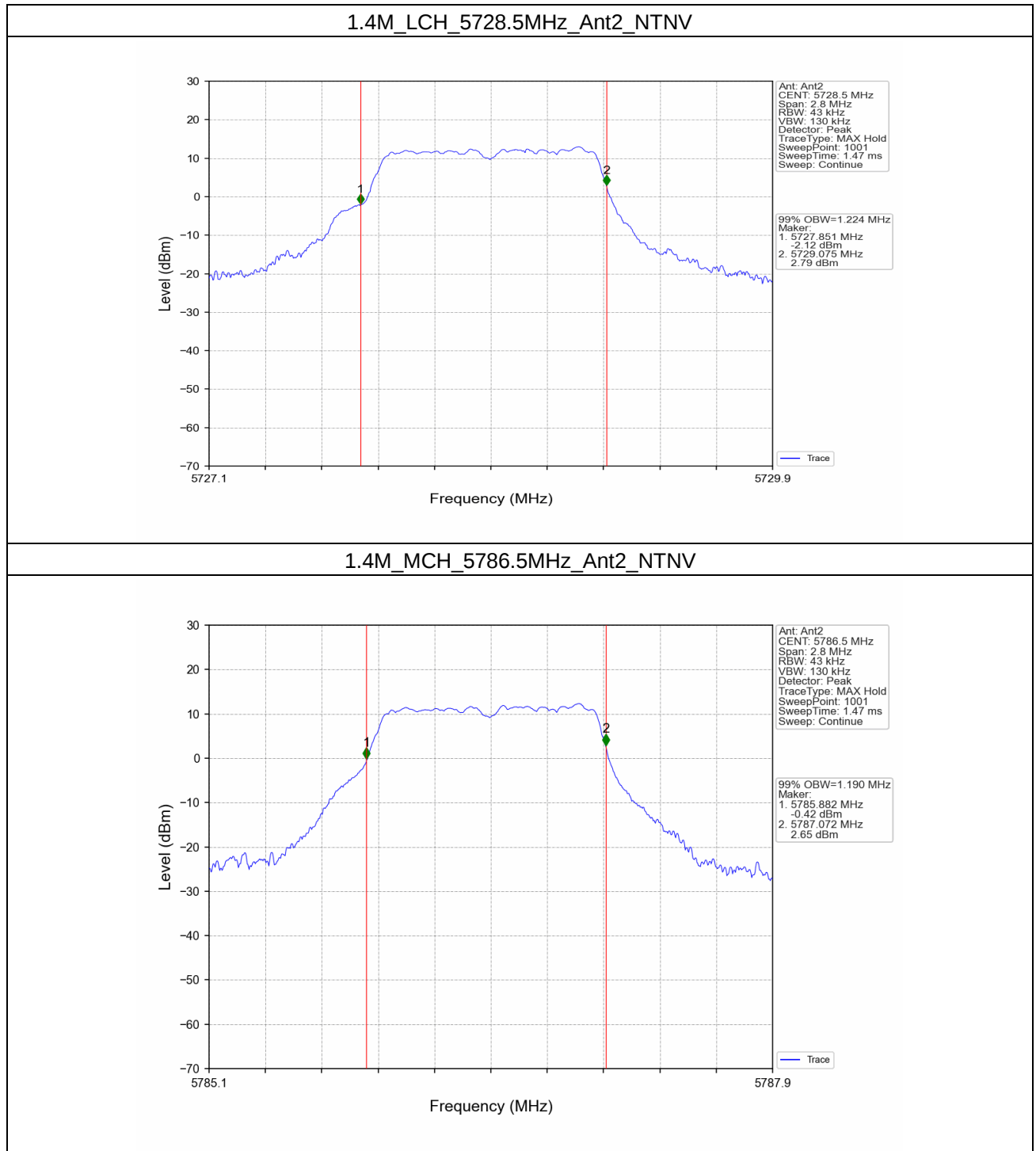
2. Bandwidth

2.1 OBW

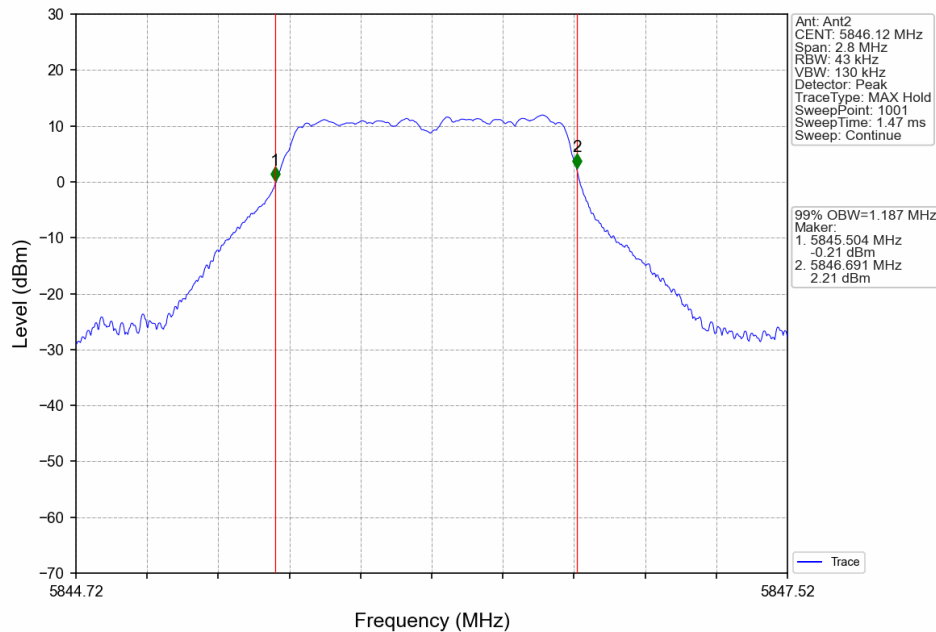
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1.4M	MIMO	5728.5	2	1.224	Pass
		5786.5	2	1.190	Pass
		5846.12	2	1.187	Pass
3M	MIMO	5727.5	2	2.279	Pass
		5784.5	2	2.282	Pass
		5847.2	2	2.279	Pass
5M	MIMO	5732.5	2	4.415	Pass
		5782.5	2	4.410	Pass
		5842.5	2	4.407	Pass
10M	MIMO	5730.5	2	11.693	Pass
		5787.5	2	10.684	Pass
		5844.5	2	10.051	Pass
20M	MIMO	5735.5	2	23.797	Pass
		5787.5	2	23.369	Pass
		5839.5	2	20.314	Pass
40M	MIMO	5745.5	2	36.760	Pass
		5787.5	2	40.129	Pass
		5829.5	2	36.197	Pass

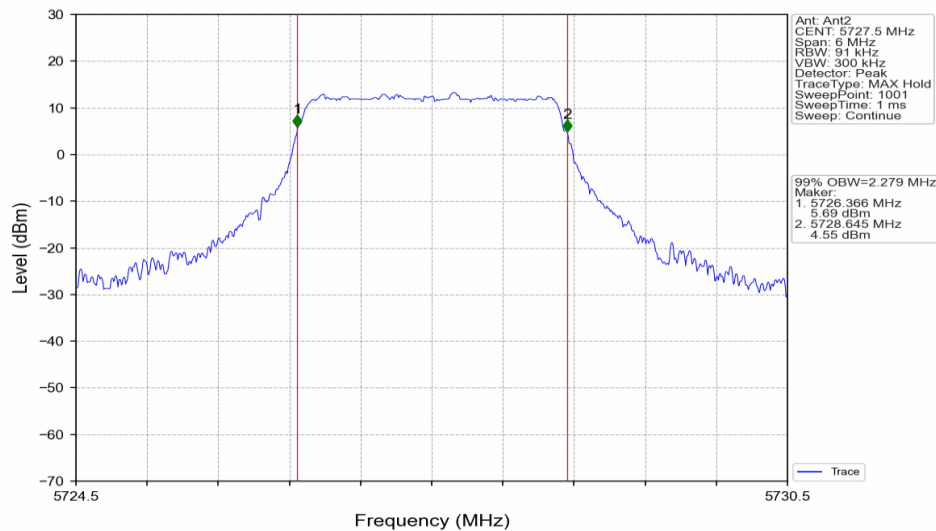
2.1.2 Test Graph



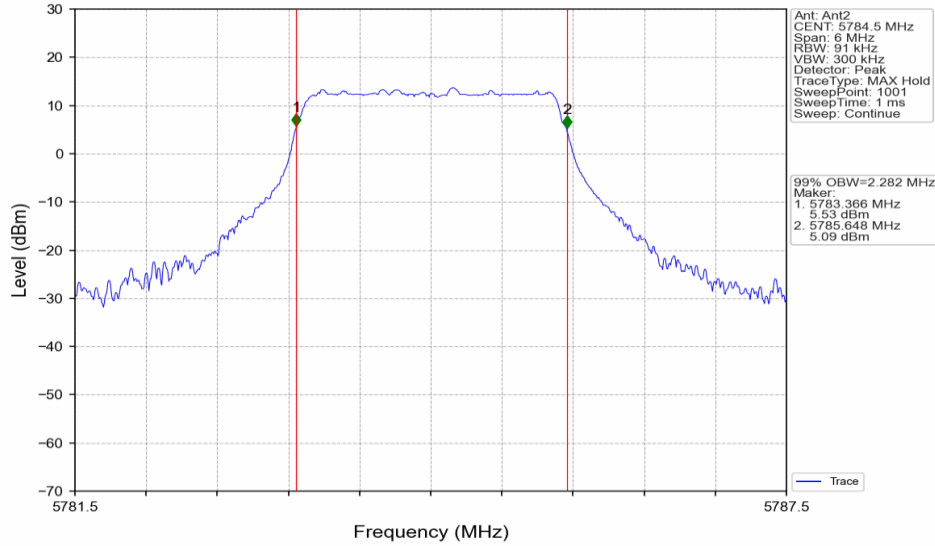
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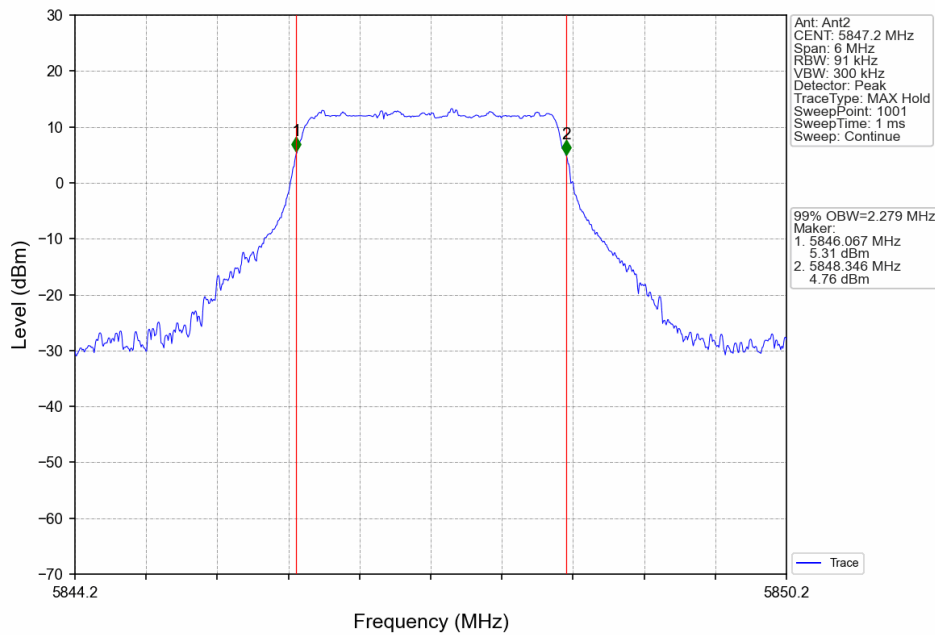
3M_LCH_5727.5MHz_Ant2_NTNV



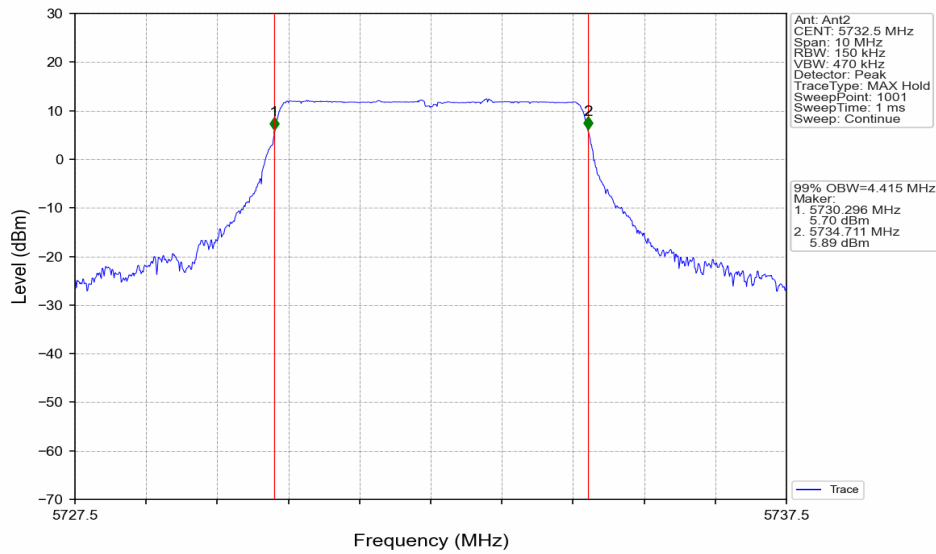
3M_MCH_5784.5MHz_Ant2_NTNV



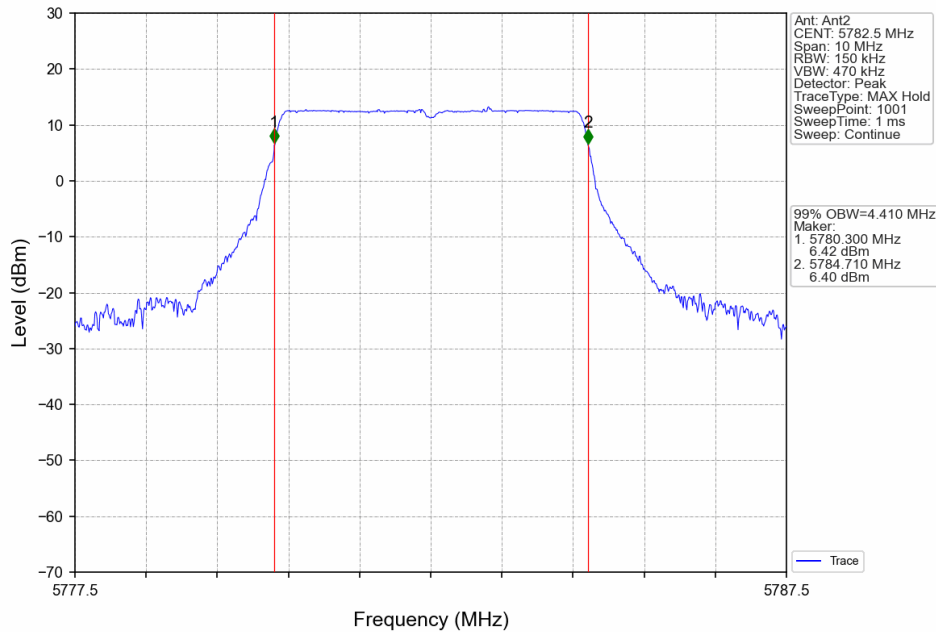
3M_HCH_5847.2MHz_Ant2_NTNV



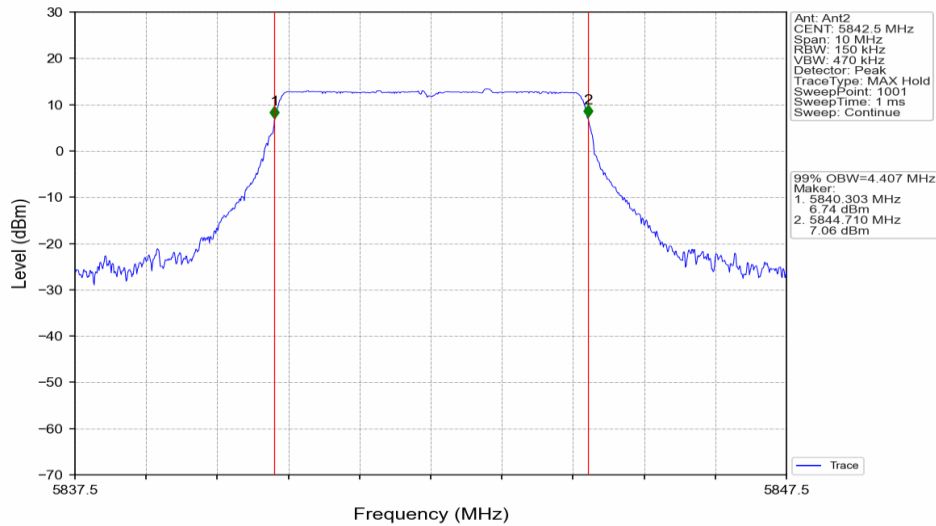
5M_LCH_5732.5MHz_Ant2_NTNV



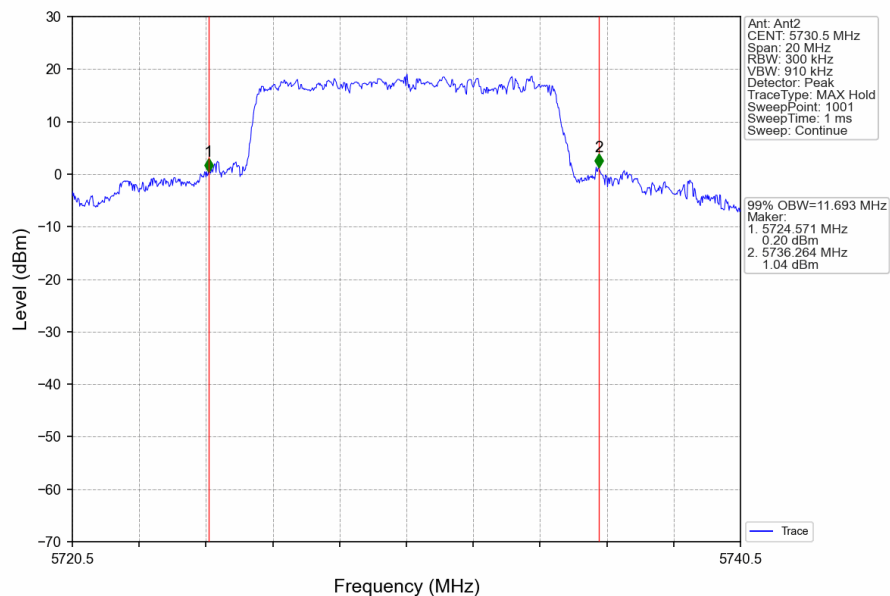
5M_MCH_5782.5MHz_Ant2_NTNV



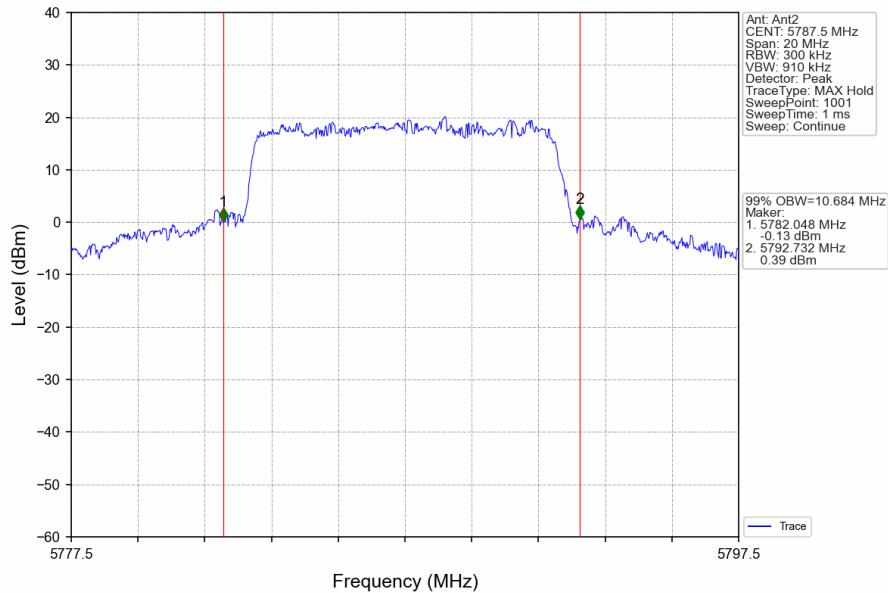
5M_HCH_5842.5MHz_Ant2_NTNV



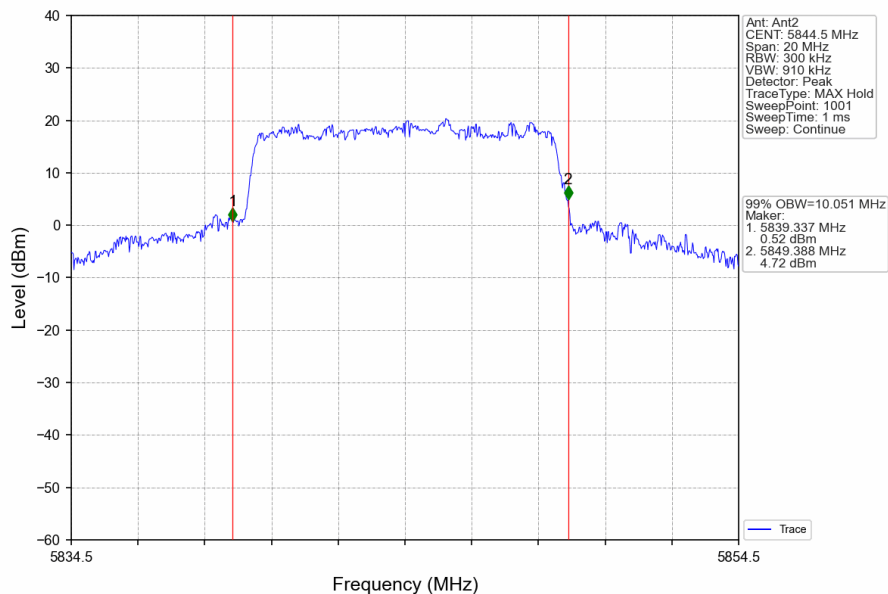
10M_LCH_5730.5MHz_Ant2_NTNV



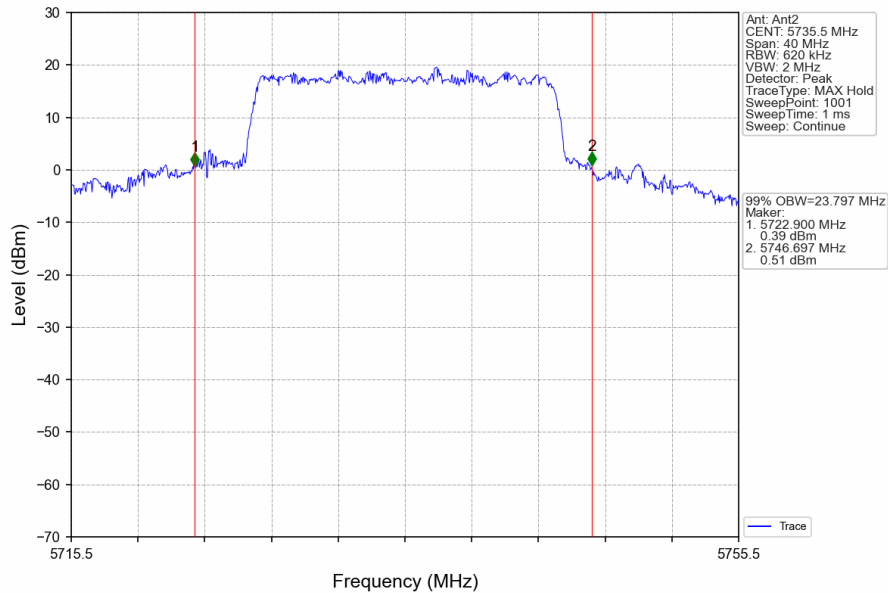
10M_MCH_5787.5MHz_Ant2_NTNV



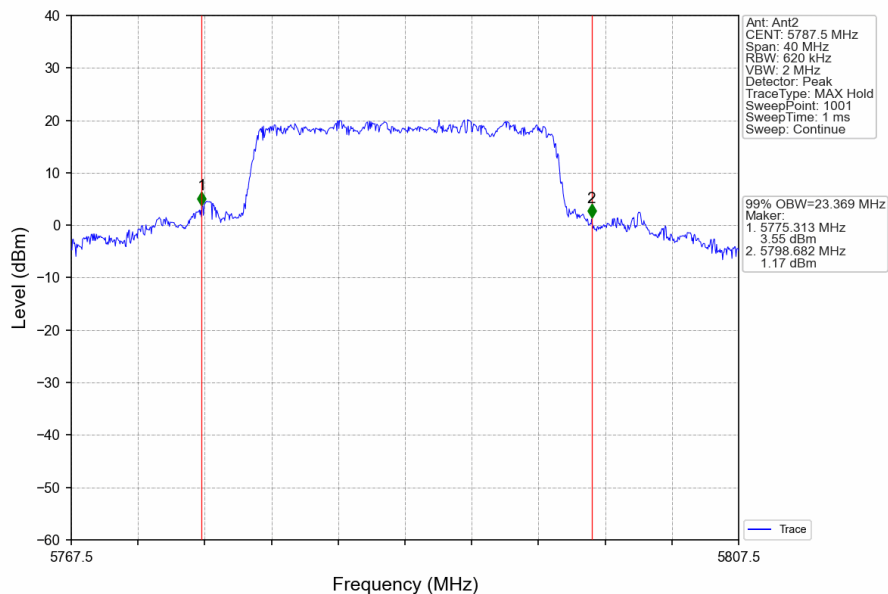
10M_HCH_5844.5MHz_Ant2_NTNV



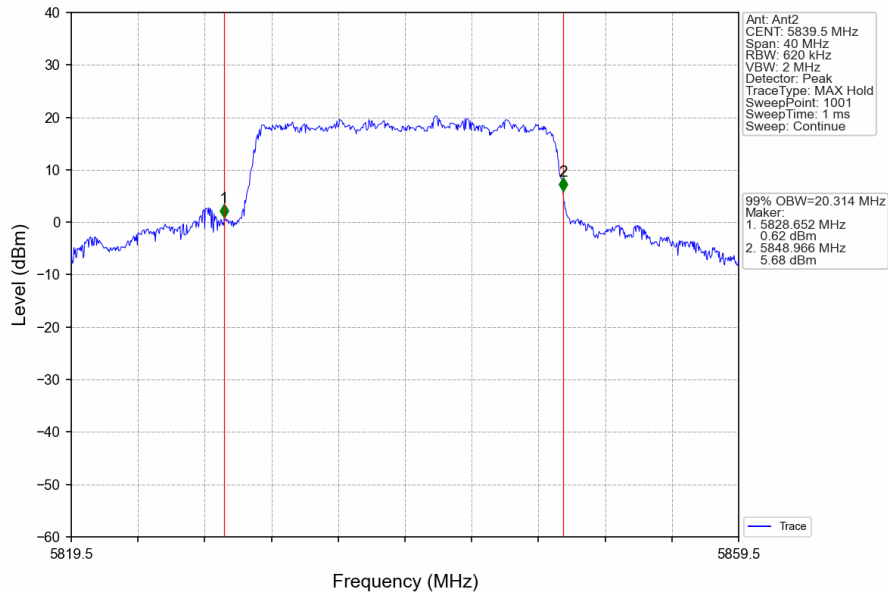
20M_LCH_5735.5MHz_Ant2_NTNV



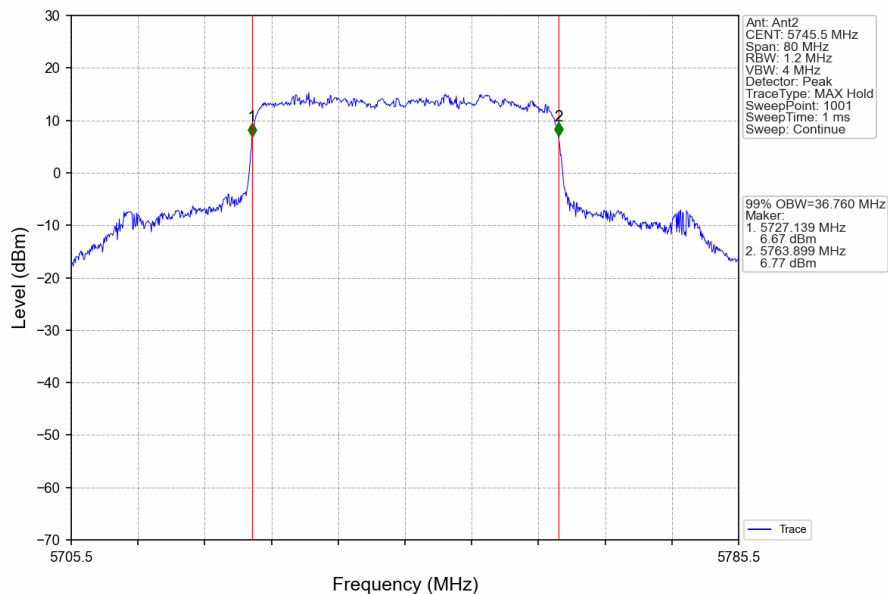
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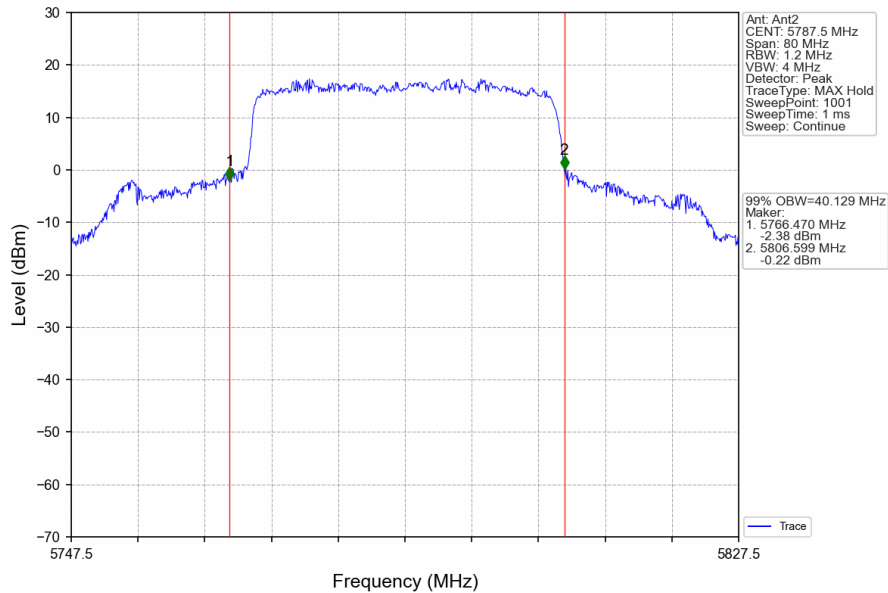
20M_HCH_5839.5MHz_Ant2_NTNV



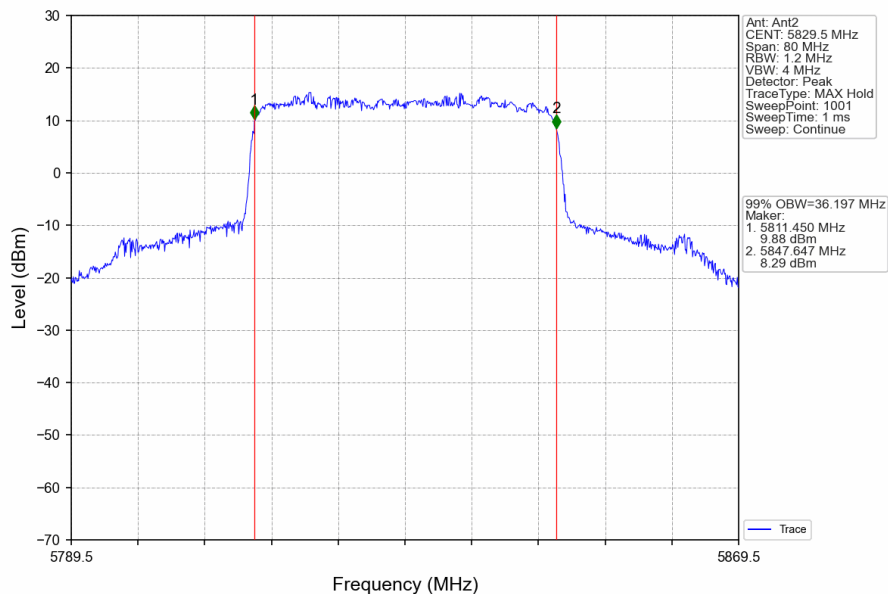
40M_LCH_5745.5MHz_Ant2_NTNV



40M_MCH_5787.5MHz_Ant2_NTNV



40M_HCH_5829.5MHz_Ant2_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	
1.4M	MIMO	5728.5	2	1.125	≥ 0.5	Pass
		5786.5	2	1.134	≥ 0.5	Pass
		5846.12	2	1.137	≥ 0.5	Pass
3M	MIMO	5727.5	2	2.197	≥ 0.5	Pass
		5784.5	2	2.194	≥ 0.5	Pass
		5847.2	2	2.198	≥ 0.5	Pass
5M	MIMO	5732.5	2	4.367	≥ 0.5	Pass
		5782.5	2	4.352	≥ 0.5	Pass
		5842.5	2	4.363	≥ 0.5	Pass
10M	MIMO	5730.5	2	9.041	≥ 0.5	Pass
		5787.5	2	9.038	≥ 0.5	Pass
		5844.5	2	9.042	≥ 0.5	Pass
20M	MIMO	5735.5	2	18.038	≥ 0.5	Pass
		5787.5	2	18.004	≥ 0.5	Pass
		5839.5	2	18.008	≥ 0.5	Pass
40M	MIMO	5745.5	2	36.051	≥ 0.5	Pass
		5787.5	2	36.025	≥ 0.5	Pass
		5829.5	2	36.047	≥ 0.5	Pass



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2.2.2 Test Graph

