

Appendix B.18

LTE Band 66



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1. Frequency Stability

1.1 B66_1.4MHz

1.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.8	6.370	0.0037	-2.5 to 2.5	Pass
					4.0	7.490	0.0044	-2.5 to 2.5	Pass
					4.2	-0.542	-0.0003	-2.5 to 2.5	Pass
				-30	4.0	-2.758	-0.0016	-2.5 to 2.5	Pass
				-20	4.0	2.999	0.0018	-2.5 to 2.5	Pass
				-10	4.0	5.154	0.0030	-2.5 to 2.5	Pass
				0	4.0	6.867	0.0040	-2.5 to 2.5	Pass
				10	4.0	3.614	0.0021	-2.5 to 2.5	Pass
				30	4.0	-1.285	-0.0008	-2.5 to 2.5	Pass
				40	4.0	4.018	0.0023	-2.5 to 2.5	Pass
				50	4.0	-3.436	-0.0020	-2.5 to 2.5	Pass
	1745	6	0	20	3.8	13.326	0.0076	-2.5 to 2.5	Pass
					4.0	11.685	0.0067	-2.5 to 2.5	Pass
					4.2	0.141	0.0001	-2.5 to 2.5	Pass
				-30	4.0	10.757	0.0062	-2.5 to 2.5	Pass
				-20	4.0	-4.218	-0.0024	-2.5 to 2.5	Pass
				-10	4.0	-2.975	-0.0017	-2.5 to 2.5	Pass
				0	4.0	0.684	0.0004	-2.5 to 2.5	Pass
				10	4.0	-1.089	-0.0006	-2.5 to 2.5	Pass
				30	4.0	1.901	0.0011	-2.5 to 2.5	Pass
				40	4.0	-4.823	-0.0028	-2.5 to 2.5	Pass
				50	4.0	-5.871	-0.0034	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.8	-16.920	-0.0095	-2.5 to 2.5	Pass
					4.0	-22.698	-0.0128	-2.5 to 2.5	Pass
					4.2	-11.772	-0.0066	-2.5 to 2.5	Pass
				-30	4.0	-11.647	-0.0065	-2.5 to 2.5	Pass
				-20	4.0	-0.748	-0.0004	-2.5 to 2.5	Pass
				-10	4.0	-10.498	-0.0059	-2.5 to 2.5	Pass
				0	4.0	-2.086	-0.0012	-2.5 to 2.5	Pass
				10	4.0	1.741	0.0010	-2.5 to 2.5	Pass
				30	4.0	-8.226	-0.0046	-2.5 to 2.5	Pass
				40	4.0	1.306	0.0007	-2.5 to 2.5	Pass
				50	4.0	-1.552	-0.0009	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.8	0.733	0.0004	-2.5 to 2.5	Pass
					4.0	-4.990	-0.0029	-2.5 to 2.5	Pass
					4.2	2.818	0.0016	-2.5 to 2.5	Pass
				-30	4.0	-3.436	-0.0020	-2.5 to 2.5	Pass
				-20	4.0	4.742	0.0028	-2.5 to 2.5	Pass
				-10	4.0	2.277	0.0013	-2.5 to 2.5	Pass
				0	4.0	-1.396	-0.0008	-2.5 to 2.5	Pass



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				10	4.0	-7.857	-0.0046	-2.5 to 2.5	Pass
				30	4.0	-2.596	-0.0015	-2.5 to 2.5	Pass
				40	4.0	2.016	0.0012	-2.5 to 2.5	Pass
				50	4.0	-1.704	-0.0010	-2.5 to 2.5	Pass
1745	6	0	20	3.8	-6.939	-0.0040	-2.5 to 2.5	Pass	Pass
				4.0	6.535	0.0037	-2.5 to 2.5	Pass	Pass
				4.2	-6.458	-0.0037	-2.5 to 2.5	Pass	Pass
			-30	4.0	4.541	0.0026	-2.5 to 2.5	Pass	Pass
			-20	4.0	-0.406	-0.0002	-2.5 to 2.5	Pass	Pass
			-10	4.0	-2.428	-0.0014	-2.5 to 2.5	Pass	Pass
			0	4.0	-5.163	-0.0030	-2.5 to 2.5	Pass	Pass
			10	4.0	-4.402	-0.0025	-2.5 to 2.5	Pass	Pass
			30	4.0	-1.991	-0.0011	-2.5 to 2.5	Pass	Pass
			40	4.0	-0.309	-0.0002	-2.5 to 2.5	Pass	Pass
			50	4.0	5.848	0.0034	-2.5 to 2.5	Pass	Pass
			20	3.8	-4.425	-0.0025	-2.5 to 2.5	Pass	Pass
				4.0	-6.100	-0.0034	-2.5 to 2.5	Pass	Pass
				4.2	5.472	0.0031	-2.5 to 2.5	Pass	Pass
			-30	4.0	0.721	0.0004	-2.5 to 2.5	Pass	Pass
			-20	4.0	-1.237	-0.0007	-2.5 to 2.5	Pass	Pass
1779.3	6	0	20	3.8	-4.425	-0.0025	-2.5 to 2.5	Pass	Pass
				4.0	-6.100	-0.0034	-2.5 to 2.5	Pass	Pass
				4.2	5.472	0.0031	-2.5 to 2.5	Pass	Pass
			-30	4.0	0.721	0.0004	-2.5 to 2.5	Pass	Pass
			-20	4.0	-1.237	-0.0007	-2.5 to 2.5	Pass	Pass
			-10	4.0	-6.252	-0.0035	-2.5 to 2.5	Pass	Pass
			0	4.0	7.703	0.0043	-2.5 to 2.5	Pass	Pass
			10	4.0	-8.630	-0.0049	-2.5 to 2.5	Pass	Pass
			30	4.0	6.901	0.0039	-2.5 to 2.5	Pass	Pass
			40	4.0	5.935	0.0033	-2.5 to 2.5	Pass	Pass
			50	4.0	-3.149	-0.0018	-2.5 to 2.5	Pass	Pass
1710.7	6	0	20	3.8	-3.746	-0.0022	-2.5 to 2.5	Pass	Pass
				4.0	0.887	0.0005	-2.5 to 2.5	Pass	Pass
				4.2	-6.419	-0.0038	-2.5 to 2.5	Pass	Pass
			-30	4.0	3.713	0.0022	-2.5 to 2.5	Pass	Pass
			-20	4.0	-5.342	-0.0031	-2.5 to 2.5	Pass	Pass
			-10	4.0	-6.877	-0.0040	-2.5 to 2.5	Pass	Pass
			0	4.0	-0.173	-0.0001	-2.5 to 2.5	Pass	Pass
			10	4.0	4.785	0.0028	-2.5 to 2.5	Pass	Pass
			30	4.0	1.236	0.0007	-2.5 to 2.5	Pass	Pass
			40	4.0	-5.097	-0.0030	-2.5 to 2.5	Pass	Pass
			50	4.0	1.771	0.0010	-2.5 to 2.5	Pass	Pass
1745	6	0	20	3.8	2.327	0.0013	-2.5 to 2.5	Pass	Pass
				4.0	3.425	0.0020	-2.5 to 2.5	Pass	Pass
				4.2	-7.369	-0.0042	-2.5 to 2.5	Pass	Pass
			-30	4.0	2.478	0.0014	-2.5 to 2.5	Pass	Pass
			-20	4.0	-5.636	-0.0032	-2.5 to 2.5	Pass	Pass
			-10	4.0	0.214	0.0001	-2.5 to 2.5	Pass	Pass
			0	4.0	0.856	0.0005	-2.5 to 2.5	Pass	Pass
			10	4.0	-5.868	-0.0034	-2.5 to 2.5	Pass	Pass
			30	4.0	-5.207	-0.0030	-2.5 to 2.5	Pass	Pass
			40	4.0	1.443	0.0008	-2.5 to 2.5	Pass	Pass
			50	4.0	4.762	0.0027	-2.5 to 2.5	Pass	Pass
1779.3	6	0	20	3.8	2.198	0.0012	-2.5 to 2.5	Pass	Pass
				4.0	2.659	0.0015	-2.5 to 2.5	Pass	Pass



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					4.2	-8.560	-0.0048	-2.5 to 2.5	Pass
				-30	4.0	6.587	0.0037	-2.5 to 2.5	Pass
				-20	4.0	2.218	0.0012	-2.5 to 2.5	Pass
				-10	4.0	-5.154	-0.0029	-2.5 to 2.5	Pass
				0	4.0	0.033	0.0000	-2.5 to 2.5	Pass
				10	4.0	4.356	0.0024	-2.5 to 2.5	Pass
				30	4.0	6.228	0.0035	-2.5 to 2.5	Pass
				40	4.0	-1.511	-0.0008	-2.5 to 2.5	Pass
				50	4.0	5.797	0.0033	-2.5 to 2.5	Pass



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1.2 B66_3MHz

1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.8	-4.725	-0.0028	-2.5 to 2.5	Pass
					4.0	-7.628	-0.0045	-2.5 to 2.5	Pass
					4.2	-0.847	-0.0005	-2.5 to 2.5	Pass
				-30	4.0	-12.889	-0.0075	-2.5 to 2.5	Pass
				-20	4.0	-6.121	-0.0036	-2.5 to 2.5	Pass
				-10	4.0	-8.700	-0.0051	-2.5 to 2.5	Pass
				0	4.0	-1.510	-0.0009	-2.5 to 2.5	Pass
				10	4.0	-8.505	-0.0050	-2.5 to 2.5	Pass
				30	4.0	-11.173	-0.0065	-2.5 to 2.5	Pass
				40	4.0	-5.605	-0.0033	-2.5 to 2.5	Pass
				50	4.0	-0.635	-0.0004	-2.5 to 2.5	Pass
	1745	15	0	20	3.8	-5.457	-0.0031	-2.5 to 2.5	Pass
					4.0	7.647	0.0044	-2.5 to 2.5	Pass
					4.2	8.290	0.0048	-2.5 to 2.5	Pass
				-30	4.0	6.993	0.0040	-2.5 to 2.5	Pass
				-20	4.0	6.395	0.0037	-2.5 to 2.5	Pass
				-10	4.0	-5.307	-0.0030	-2.5 to 2.5	Pass
				0	4.0	-4.773	-0.0027	-2.5 to 2.5	Pass
				10	4.0	-1.176	-0.0007	-2.5 to 2.5	Pass
				30	4.0	2.041	0.0012	-2.5 to 2.5	Pass
				40	4.0	-4.684	-0.0027	-2.5 to 2.5	Pass
				50	4.0	-6.802	-0.0039	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.8	3.665	0.0021	-2.5 to 2.5	Pass
					4.0	-2.024	-0.0011	-2.5 to 2.5	Pass
					4.2	-2.690	-0.0015	-2.5 to 2.5	Pass
				-30	4.0	7.871	0.0044	-2.5 to 2.5	Pass
				-20	4.0	1.831	0.0010	-2.5 to 2.5	Pass
				-10	4.0	-0.630	-0.0004	-2.5 to 2.5	Pass
				0	4.0	9.082	0.0051	-2.5 to 2.5	Pass
				10	4.0	-2.816	-0.0016	-2.5 to 2.5	Pass
				30	4.0	9.304	0.0052	-2.5 to 2.5	Pass
				40	4.0	-1.258	-0.0007	-2.5 to 2.5	Pass
				50	4.0	-6.437	-0.0036	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.8	-2.264	-0.0013	-2.5 to 2.5	Pass
					4.0	-11.331	-0.0066	-2.5 to 2.5	Pass
					4.2	-1.025	-0.0006	-2.5 to 2.5	Pass
				-30	4.0	-12.259	-0.0072	-2.5 to 2.5	Pass
				-20	4.0	-5.241	-0.0031	-2.5 to 2.5	Pass
				-10	4.0	0.740	0.0004	-2.5 to 2.5	Pass
				0	4.0	-0.504	-0.0003	-2.5 to 2.5	Pass
				10	4.0	-9.306	-0.0054	-2.5 to 2.5	Pass
				30	4.0	-6.895	-0.0040	-2.5 to 2.5	Pass



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				40	4.0	-2.496	-0.0015	-2.5 to 2.5	Pass
				50	4.0	-8.896	-0.0052	-2.5 to 2.5	Pass
	1745	15	0	20	3.8	8.972	0.0051	-2.5 to 2.5	Pass
					4.0	7.093	0.0041	-2.5 to 2.5	Pass
					4.2	6.501	0.0037	-2.5 to 2.5	Pass
				-30	4.0	8.960	0.0051	-2.5 to 2.5	Pass
				-20	4.0	3.885	0.0022	-2.5 to 2.5	Pass
				-10	4.0	5.513	0.0032	-2.5 to 2.5	Pass
				0	4.0	6.238	0.0036	-2.5 to 2.5	Pass
				10	4.0	-5.117	-0.0029	-2.5 to 2.5	Pass
				30	4.0	-0.926	-0.0005	-2.5 to 2.5	Pass
				40	4.0	-5.699	-0.0033	-2.5 to 2.5	Pass
				50	4.0	2.921	0.0017	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.8	1.181	0.0007	-2.5 to 2.5	Pass
					4.0	-3.895	-0.0022	-2.5 to 2.5	Pass
					4.2	-5.863	-0.0033	-2.5 to 2.5	Pass
				-30	4.0	-7.171	-0.0040	-2.5 to 2.5	Pass
				-20	4.0	6.688	0.0038	-2.5 to 2.5	Pass
				-10	4.0	-4.106	-0.0023	-2.5 to 2.5	Pass
				0	4.0	7.332	0.0041	-2.5 to 2.5	Pass
				10	4.0	6.178	0.0035	-2.5 to 2.5	Pass
				30	4.0	-5.351	-0.0030	-2.5 to 2.5	Pass
				40	4.0	8.374	0.0047	-2.5 to 2.5	Pass
				50	4.0	-1.563	-0.0009	-2.5 to 2.5	Pass
64QAM	1711.5	15	0	20	3.8	-1.115	-0.0007	-2.5 to 2.5	Pass
					4.0	-3.481	-0.0020	-2.5 to 2.5	Pass
					4.2	-12.301	-0.0072	-2.5 to 2.5	Pass
				-30	4.0	0.265	0.0002	-2.5 to 2.5	Pass
				-20	4.0	-7.436	-0.0043	-2.5 to 2.5	Pass
				-10	4.0	-12.845	-0.0075	-2.5 to 2.5	Pass
				0	4.0	-3.290	-0.0019	-2.5 to 2.5	Pass
				10	4.0	-12.864	-0.0075	-2.5 to 2.5	Pass
				30	4.0	-9.529	-0.0056	-2.5 to 2.5	Pass
				40	4.0	-11.252	-0.0066	-2.5 to 2.5	Pass
				50	4.0	-11.877	-0.0069	-2.5 to 2.5	Pass
	1745	15	0	20	3.8	-2.118	-0.0012	-2.5 to 2.5	Pass
					4.0	5.404	0.0031	-2.5 to 2.5	Pass
					4.2	10.270	0.0059	-2.5 to 2.5	Pass
				-30	4.0	6.074	0.0035	-2.5 to 2.5	Pass
				-20	4.0	-2.119	-0.0012	-2.5 to 2.5	Pass
				-10	4.0	6.583	0.0038	-2.5 to 2.5	Pass
				0	4.0	-2.485	-0.0014	-2.5 to 2.5	Pass
				10	4.0	-3.230	-0.0019	-2.5 to 2.5	Pass
				30	4.0	0.265	0.0002	-2.5 to 2.5	Pass
				40	4.0	5.791	0.0033	-2.5 to 2.5	Pass
				50	4.0	7.832	0.0045	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.8	4.075	0.0023	-2.5 to 2.5	Pass
					4.0	2.046	0.0012	-2.5 to 2.5	Pass
					4.2	-1.422	-0.0008	-2.5 to 2.5	Pass
				-30	4.0	-2.562	-0.0014	-2.5 to 2.5	Pass



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				-20	4.0	-1.997	-0.0011	-2.5 to 2.5	Pass
				-10	4.0	7.588	0.0043	-2.5 to 2.5	Pass
				0	4.0	-3.282	-0.0018	-2.5 to 2.5	Pass
				10	4.0	2.611	0.0015	-2.5 to 2.5	Pass
				30	4.0	-4.760	-0.0027	-2.5 to 2.5	Pass
				40	4.0	7.313	0.0041	-2.5 to 2.5	Pass
				50	4.0	-4.088	-0.0023	-2.5 to 2.5	Pass



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1.3 B66_5MHz

1.3.1 Test Result

Band: 66 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.8	-2.017	-0.0012	-2.5 to 2.5	Pass
					4.0	-6.300	-0.0037	-2.5 to 2.5	Pass
					4.2	-12.756	-0.0074	-2.5 to 2.5	Pass
				-30	4.0	-0.874	-0.0005	-2.5 to 2.5	Pass
				-20	4.0	-16.260	-0.0095	-2.5 to 2.5	Pass
				-10	4.0	-9.242	-0.0054	-2.5 to 2.5	Pass
				0	4.0	-9.287	-0.0054	-2.5 to 2.5	Pass
				10	4.0	-0.191	-0.0001	-2.5 to 2.5	Pass
				30	4.0	0.582	0.0003	-2.5 to 2.5	Pass
				40	4.0	1.779	0.0010	-2.5 to 2.5	Pass
				50	4.0	0.148	0.0001	-2.5 to 2.5	Pass
	1745	25	0	20	3.8	0.754	0.0004	-2.5 to 2.5	Pass
					4.0	3.515	0.0020	-2.5 to 2.5	Pass
					4.2	-5.965	-0.0034	-2.5 to 2.5	Pass
				-30	4.0	-5.910	-0.0034	-2.5 to 2.5	Pass
				-20	4.0	5.633	0.0032	-2.5 to 2.5	Pass
				-10	4.0	-5.094	-0.0029	-2.5 to 2.5	Pass
				0	4.0	4.109	0.0024	-2.5 to 2.5	Pass
				10	4.0	1.460	0.0008	-2.5 to 2.5	Pass
				30	4.0	-4.859	-0.0028	-2.5 to 2.5	Pass
				40	4.0	-7.756	-0.0044	-2.5 to 2.5	Pass
				50	4.0	1.695	0.0010	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.8	-0.999	-0.0006	-2.5 to 2.5	Pass
					4.0	7.622	0.0043	-2.5 to 2.5	Pass
					4.2	-3.540	-0.0020	-2.5 to 2.5	Pass
				-30	4.0	-1.717	-0.0010	-2.5 to 2.5	Pass
				-20	4.0	3.768	0.0021	-2.5 to 2.5	Pass
				-10	4.0	2.057	0.0012	-2.5 to 2.5	Pass
				0	4.0	0.072	0.0000	-2.5 to 2.5	Pass
				10	4.0	-2.700	-0.0015	-2.5 to 2.5	Pass
				30	4.0	3.393	0.0019	-2.5 to 2.5	Pass
				40	4.0	-3.871	-0.0022	-2.5 to 2.5	Pass
				50	4.0	-4.284	-0.0024	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.8	0.496	0.0003	-2.5 to 2.5	Pass
					4.0	-1.330	-0.0008	-2.5 to 2.5	Pass
					4.2	-3.471	-0.0020	-2.5 to 2.5	Pass
				-30	4.0	-11.703	-0.0068	-2.5 to 2.5	Pass
				-20	4.0	-7.460	-0.0044	-2.5 to 2.5	Pass
				-10	4.0	-2.236	-0.0013	-2.5 to 2.5	Pass
				0	4.0	-6.235	-0.0036	-2.5 to 2.5	Pass
				10	4.0	-2.249	-0.0013	-2.5 to 2.5	Pass
				30	4.0	-5.169	-0.0030	-2.5 to 2.5	Pass



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				40	4.0	-4.812	-0.0028	-2.5 to 2.5	Pass
				50	4.0	-0.449	-0.0003	-2.5 to 2.5	Pass
1745	25	0	20	3.8	4.814	0.0028	-2.5 to 2.5	Pass	Pass
				4.0	-7.293	-0.0042	-2.5 to 2.5	Pass	Pass
				4.2	-8.403	-0.0048	-2.5 to 2.5	Pass	Pass
				-30	4.0	3.918	0.0022	-2.5 to 2.5	Pass
			-20	4.0	5.969	0.0034	-2.5 to 2.5	Pass	Pass
				-10	4.0	-4.569	-0.0026	-2.5 to 2.5	Pass
				0	4.0	-6.969	-0.0040	-2.5 to 2.5	Pass
				10	4.0	1.252	0.0007	-2.5 to 2.5	Pass
			30	4.0	4.032	0.0023	-2.5 to 2.5	Pass	Pass
				40	4.0	-3.216	-0.0018	-2.5 to 2.5	Pass
				50	4.0	5.122	0.0029	-2.5 to 2.5	Pass
			20	3.8	0.406	0.0002	-2.5 to 2.5	Pass	Pass
				4.0	-6.215	-0.0035	-2.5 to 2.5	Pass	Pass
				4.2	-0.712	-0.0004	-2.5 to 2.5	Pass	Pass
				-30	4.0	-3.403	-0.0019	-2.5 to 2.5	Pass
1777.5	25	0	-20	4.0	-3.099	-0.0017	-2.5 to 2.5	Pass	Pass
				-10	4.0	0.884	0.0005	-2.5 to 2.5	Pass
				0	4.0	5.181	0.0029	-2.5 to 2.5	Pass
				10	4.0	6.101	0.0034	-2.5 to 2.5	Pass
			30	4.0	-0.224	-0.0001	-2.5 to 2.5	Pass	Pass
				40	4.0	5.066	0.0029	-2.5 to 2.5	Pass
				50	4.0	1.689	0.0010	-2.5 to 2.5	Pass
			20	3.8	0.361	0.0002	-2.5 to 2.5	Pass	Pass
				4.0	-6.051	-0.0035	-2.5 to 2.5	Pass	Pass
				4.2	-4.917	-0.0029	-2.5 to 2.5	Pass	Pass
				-30	4.0	1.619	0.0009	-2.5 to 2.5	Pass
			-20	4.0	-9.168	-0.0054	-2.5 to 2.5	Pass	Pass
				-10	4.0	-1.567	-0.0009	-2.5 to 2.5	Pass
				0	4.0	-10.230	-0.0060	-2.5 to 2.5	Pass
				10	4.0	1.001	0.0006	-2.5 to 2.5	Pass
64QAM	25	0	30	4.0	-11.004	-0.0064	-2.5 to 2.5	Pass	Pass
				40	4.0	-10.509	-0.0061	-2.5 to 2.5	Pass
				50	4.0	-3.849	-0.0022	-2.5 to 2.5	Pass
			20	3.8	3.916	0.0022	-2.5 to 2.5	Pass	Pass
				4.0	4.458	0.0026	-2.5 to 2.5	Pass	Pass
				4.2	-0.257	-0.0001	-2.5 to 2.5	Pass	Pass
				-30	4.0	6.390	0.0037	-2.5 to 2.5	Pass
			-20	4.0	1.250	0.0007	-2.5 to 2.5	Pass	Pass
				-10	4.0	8.100	0.0046	-2.5 to 2.5	Pass
				0	4.0	9.532	0.0055	-2.5 to 2.5	Pass
			10	4.0	0.179	0.0001	-2.5 to 2.5	Pass	Pass
				30	4.0	8.130	0.0047	-2.5 to 2.5	Pass
				40	4.0	4.039	0.0023	-2.5 to 2.5	Pass
				50	4.0	-3.101	-0.0018	-2.5 to 2.5	Pass
			20	3.8	-7.601	-0.0043	-2.5 to 2.5	Pass	Pass
				4.0	3.823	0.0022	-2.5 to 2.5	Pass	Pass
				4.2	-1.003	-0.0006	-2.5 to 2.5	Pass	Pass
				-30	4.0	0.109	0.0001	-2.5 to 2.5	Pass



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				-20	4.0	-0.682	-0.0004	-2.5 to 2.5	Pass
				-10	4.0	-4.565	-0.0026	-2.5 to 2.5	Pass
				0	4.0	3.806	0.0021	-2.5 to 2.5	Pass
				10	4.0	7.880	0.0044	-2.5 to 2.5	Pass
				30	4.0	7.139	0.0040	-2.5 to 2.5	Pass
				40	4.0	6.366	0.0036	-2.5 to 2.5	Pass
				50	4.0	-6.222	-0.0035	-2.5 to 2.5	Pass



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1.4 B66_10MHz

1.4.1 Test Result

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.8	-5.940	-0.0035	-2.5 to 2.5	Pass
					4.0	4.401	0.0026	-2.5 to 2.5	Pass
					4.2	0.210	0.0001	-2.5 to 2.5	Pass
				-30	4.0	-7.338	-0.0043	-2.5 to 2.5	Pass
				-20	4.0	0.614	0.0004	-2.5 to 2.5	Pass
				-10	4.0	-1.526	-0.0009	-2.5 to 2.5	Pass
				0	4.0	1.692	0.0010	-2.5 to 2.5	Pass
				10	4.0	-4.784	-0.0028	-2.5 to 2.5	Pass
				30	4.0	1.986	0.0012	-2.5 to 2.5	Pass
				40	4.0	-0.260	-0.0002	-2.5 to 2.5	Pass
				50	4.0	-0.605	-0.0004	-2.5 to 2.5	Pass
	1745	50	0	20	3.8	1.893	0.0011	-2.5 to 2.5	Pass
					4.0	6.925	0.0040	-2.5 to 2.5	Pass
					4.2	-6.146	-0.0035	-2.5 to 2.5	Pass
				-30	4.0	7.080	0.0041	-2.5 to 2.5	Pass
				-20	4.0	-3.533	-0.0020	-2.5 to 2.5	Pass
				-10	4.0	4.087	0.0023	-2.5 to 2.5	Pass
				0	4.0	-2.296	-0.0013	-2.5 to 2.5	Pass
				10	4.0	0.481	0.0003	-2.5 to 2.5	Pass
				30	4.0	2.954	0.0017	-2.5 to 2.5	Pass
				40	4.0	3.235	0.0019	-2.5 to 2.5	Pass
				50	4.0	5.207	0.0030	-2.5 to 2.5	Pass
	1775	50	0	20	3.8	0.985	0.0006	-2.5 to 2.5	Pass
					4.0	3.262	0.0018	-2.5 to 2.5	Pass
					4.2	0.608	0.0003	-2.5 to 2.5	Pass
				-30	4.0	-2.215	-0.0012	-2.5 to 2.5	Pass
				-20	4.0	6.243	0.0035	-2.5 to 2.5	Pass
				-10	4.0	1.206	0.0007	-2.5 to 2.5	Pass
				0	4.0	1.879	0.0011	-2.5 to 2.5	Pass
				10	4.0	-6.173	-0.0035	-2.5 to 2.5	Pass
				30	4.0	-2.070	-0.0012	-2.5 to 2.5	Pass
				40	4.0	1.743	0.0010	-2.5 to 2.5	Pass
				50	4.0	3.624	0.0020	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.8	3.947	0.0023	-2.5 to 2.5	Pass
					4.0	6.386	0.0037	-2.5 to 2.5	Pass
					4.2	-1.159	-0.0007	-2.5 to 2.5	Pass
				-30	4.0	2.971	0.0017	-2.5 to 2.5	Pass
				-20	4.0	3.498	0.0020	-2.5 to 2.5	Pass
				-10	4.0	-6.167	-0.0036	-2.5 to 2.5	Pass
				0	4.0	-0.817	-0.0005	-2.5 to 2.5	Pass
				10	4.0	-8.877	-0.0052	-2.5 to 2.5	Pass
				30	4.0	7.006	0.0041	-2.5 to 2.5	Pass



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				40	4.0	1.685	0.0010	-2.5 to 2.5	Pass
				50	4.0	4.477	0.0026	-2.5 to 2.5	Pass
	1745	50	0	20	3.8	-2.341	-0.0013	-2.5 to 2.5	Pass
					4.0	8.504	0.0049	-2.5 to 2.5	Pass
					4.2	-2.664	-0.0015	-2.5 to 2.5	Pass
				-30	4.0	-3.346	-0.0019	-2.5 to 2.5	Pass
				-20	4.0	0.386	0.0002	-2.5 to 2.5	Pass
				-10	4.0	-7.048	-0.0040	-2.5 to 2.5	Pass
				0	4.0	-3.217	-0.0018	-2.5 to 2.5	Pass
				10	4.0	-0.654	-0.0004	-2.5 to 2.5	Pass
				30	4.0	3.550	0.0020	-2.5 to 2.5	Pass
				40	4.0	-3.039	-0.0017	-2.5 to 2.5	Pass
				50	4.0	8.797	0.0050	-2.5 to 2.5	Pass
	1775	50	0	20	3.8	-5.017	-0.0028	-2.5 to 2.5	Pass
					4.0	7.023	0.0040	-2.5 to 2.5	Pass
					4.2	-2.020	-0.0011	-2.5 to 2.5	Pass
				-30	4.0	-0.050	0.0000	-2.5 to 2.5	Pass
				-20	4.0	-5.188	-0.0029	-2.5 to 2.5	Pass
				-10	4.0	-2.083	-0.0012	-2.5 to 2.5	Pass
				0	4.0	1.021	0.0006	-2.5 to 2.5	Pass
				10	4.0	-6.566	-0.0037	-2.5 to 2.5	Pass
				30	4.0	-7.318	-0.0041	-2.5 to 2.5	Pass
				40	4.0	0.043	0.0000	-2.5 to 2.5	Pass
				50	4.0	0.566	0.0003	-2.5 to 2.5	Pass
64QAM	1715	50	0	20	3.8	3.535	0.0021	-2.5 to 2.5	Pass
					4.0	-5.742	-0.0033	-2.5 to 2.5	Pass
					4.2	-1.716	-0.0010	-2.5 to 2.5	Pass
				-30	4.0	-0.850	-0.0005	-2.5 to 2.5	Pass
				-20	4.0	-3.713	-0.0022	-2.5 to 2.5	Pass
				-10	4.0	-0.655	-0.0004	-2.5 to 2.5	Pass
				0	4.0	-8.803	-0.0051	-2.5 to 2.5	Pass
				10	4.0	-6.362	-0.0037	-2.5 to 2.5	Pass
				30	4.0	6.027	0.0035	-2.5 to 2.5	Pass
				40	4.0	2.516	0.0015	-2.5 to 2.5	Pass
				50	4.0	7.389	0.0043	-2.5 to 2.5	Pass
	1745	50	0	20	3.8	3.353	0.0019	-2.5 to 2.5	Pass
					4.0	-1.753	-0.0010	-2.5 to 2.5	Pass
					4.2	0.139	0.0001	-2.5 to 2.5	Pass
				-30	4.0	3.151	0.0018	-2.5 to 2.5	Pass
				-20	4.0	3.485	0.0020	-2.5 to 2.5	Pass
				-10	4.0	1.182	0.0007	-2.5 to 2.5	Pass
				0	4.0	-6.670	-0.0038	-2.5 to 2.5	Pass
				10	4.0	-4.648	-0.0027	-2.5 to 2.5	Pass
				30	4.0	3.047	0.0017	-2.5 to 2.5	Pass
				40	4.0	5.689	0.0033	-2.5 to 2.5	Pass
				50	4.0	-1.253	-0.0007	-2.5 to 2.5	Pass
	1775	50	0	20	3.8	-4.732	-0.0027	-2.5 to 2.5	Pass
					4.0	6.575	0.0037	-2.5 to 2.5	Pass
					4.2	-4.544	-0.0026	-2.5 to 2.5	Pass
				-30	4.0	5.137	0.0029	-2.5 to 2.5	Pass



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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				-20	4.0	2.471	0.0014	-2.5 to 2.5	Pass
				-10	4.0	0.404	0.0002	-2.5 to 2.5	Pass
				0	4.0	1.626	0.0009	-2.5 to 2.5	Pass
				10	4.0	5.896	0.0033	-2.5 to 2.5	Pass
				30	4.0	-7.128	-0.0040	-2.5 to 2.5	Pass
				40	4.0	-0.562	-0.0003	-2.5 to 2.5	Pass
				50	4.0	-3.626	-0.0020	-2.5 to 2.5	Pass



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1.5 B66_15MHz

1.5.1 Test Result

Band: 66 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.8	2.394	0.0014	-2.5 to 2.5	Pass
					4.0	-6.200	-0.0036	-2.5 to 2.5	Pass
					4.2	1.678	0.0010	-2.5 to 2.5	Pass
				-30	4.0	-0.294	-0.0002	-2.5 to 2.5	Pass
				-20	4.0	0.334	0.0002	-2.5 to 2.5	Pass
				-10	4.0	-0.530	-0.0003	-2.5 to 2.5	Pass
				0	4.0	-6.237	-0.0036	-2.5 to 2.5	Pass
				10	4.0	0.210	0.0001	-2.5 to 2.5	Pass
				30	4.0	-2.987	-0.0017	-2.5 to 2.5	Pass
				40	4.0	0.411	0.0002	-2.5 to 2.5	Pass
				50	4.0	-7.284	-0.0042	-2.5 to 2.5	Pass
	1745	75	0	20	3.8	-6.395	-0.0037	-2.5 to 2.5	Pass
					4.0	-1.970	-0.0011	-2.5 to 2.5	Pass
					4.2	-6.662	-0.0038	-2.5 to 2.5	Pass
				-30	4.0	-7.949	-0.0046	-2.5 to 2.5	Pass
				-20	4.0	6.078	0.0035	-2.5 to 2.5	Pass
				-10	4.0	5.383	0.0031	-2.5 to 2.5	Pass
				0	4.0	5.644	0.0032	-2.5 to 2.5	Pass
				10	4.0	-2.192	-0.0013	-2.5 to 2.5	Pass
				30	4.0	-6.884	-0.0039	-2.5 to 2.5	Pass
				40	4.0	3.951	0.0023	-2.5 to 2.5	Pass
				50	4.0	0.482	0.0003	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.8	-7.023	-0.0040	-2.5 to 2.5	Pass
					4.0	3.546	0.0020	-2.5 to 2.5	Pass
					4.2	-5.904	-0.0033	-2.5 to 2.5	Pass
				-30	4.0	6.348	0.0036	-2.5 to 2.5	Pass
				-20	4.0	-5.957	-0.0034	-2.5 to 2.5	Pass
				-10	4.0	7.169	0.0040	-2.5 to 2.5	Pass
				0	4.0	-7.874	-0.0044	-2.5 to 2.5	Pass
				10	4.0	-3.968	-0.0022	-2.5 to 2.5	Pass
				30	4.0	-2.981	-0.0017	-2.5 to 2.5	Pass
				40	4.0	6.087	0.0034	-2.5 to 2.5	Pass
				50	4.0	5.684	0.0032	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.8	8.367	0.0049	-2.5 to 2.5	Pass
					4.0	1.541	0.0009	-2.5 to 2.5	Pass
					4.2	-5.856	-0.0034	-2.5 to 2.5	Pass
				-30	4.0	-5.725	-0.0033	-2.5 to 2.5	Pass
				-20	4.0	2.934	0.0017	-2.5 to 2.5	Pass
				-10	4.0	-5.925	-0.0034	-2.5 to 2.5	Pass
				0	4.0	-8.439	-0.0049	-2.5 to 2.5	Pass
				10	4.0	6.692	0.0039	-2.5 to 2.5	Pass
				30	4.0	-2.646	-0.0015	-2.5 to 2.5	Pass



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				40	4.0	-0.643	-0.0004	-2.5 to 2.5	Pass
				50	4.0	-0.971	-0.0006	-2.5 to 2.5	Pass
1745	75	0	20	3.8	-1.769	-0.0010	-0.0010	-2.5 to 2.5	Pass
				4.0	0.541	0.0003	0.0003	-2.5 to 2.5	Pass
				4.2	-4.469	-0.0026	-0.0026	-2.5 to 2.5	Pass
			-30	4.0	6.053	0.0035	0.0035	-2.5 to 2.5	Pass
				-20	4.0	-2.381	-0.0014	-2.5 to 2.5	Pass
			-10	4.0	6.193	0.0035	0.0035	-2.5 to 2.5	Pass
				0	4.0	5.676	0.0033	-2.5 to 2.5	Pass
			10	4.0	6.689	0.0038	0.0038	-2.5 to 2.5	Pass
				30	4.0	-5.139	-0.0029	-2.5 to 2.5	Pass
			40	4.0	-4.246	-0.0024	-0.0024	-2.5 to 2.5	Pass
				50	4.0	-2.963	-0.0017	-2.5 to 2.5	Pass
1772.5	75	0	20	3.8	-5.463	-0.0031	-0.0031	-2.5 to 2.5	Pass
				4.0	-1.850	-0.0010	-0.0010	-2.5 to 2.5	Pass
				4.2	-5.410	-0.0031	-0.0031	-2.5 to 2.5	Pass
			-30	4.0	5.294	0.0030	0.0030	-2.5 to 2.5	Pass
				-20	4.0	-8.300	-0.0047	-2.5 to 2.5	Pass
			-10	4.0	7.242	0.0041	0.0041	-2.5 to 2.5	Pass
				0	4.0	-0.199	-0.0001	-2.5 to 2.5	Pass
			10	4.0	-7.512	-0.0042	-0.0042	-2.5 to 2.5	Pass
				30	4.0	-5.168	-0.0029	-2.5 to 2.5	Pass
			40	4.0	4.169	0.0024	0.0024	-2.5 to 2.5	Pass
				50	4.0	3.637	0.0021	-2.5 to 2.5	Pass
64QAM	1717.5	75	20	3.8	2.846	0.0017	0.0017	-2.5 to 2.5	Pass
				4.0	7.563	0.0044	0.0044	-2.5 to 2.5	Pass
				4.2	3.256	0.0019	0.0019	-2.5 to 2.5	Pass
			-30	4.0	-2.213	-0.0013	-0.0013	-2.5 to 2.5	Pass
				-20	4.0	6.985	0.0041	-2.5 to 2.5	Pass
			-10	4.0	5.681	0.0033	0.0033	-2.5 to 2.5	Pass
				0	4.0	6.452	0.0038	-2.5 to 2.5	Pass
			10	4.0	5.874	0.0034	0.0034	-2.5 to 2.5	Pass
				30	4.0	1.080	0.0006	-2.5 to 2.5	Pass
			40	4.0	5.661	0.0033	0.0033	-2.5 to 2.5	Pass
				50	4.0	5.043	0.0029	-2.5 to 2.5	Pass
	1745	75	20	3.8	2.509	0.0014	0.0014	-2.5 to 2.5	Pass
				4.0	6.985	0.0040	0.0040	-2.5 to 2.5	Pass
				4.2	-2.892	-0.0017	-0.0017	-2.5 to 2.5	Pass
			-30	4.0	-8.683	-0.0050	-0.0050	-2.5 to 2.5	Pass
				-20	4.0	2.807	0.0016	-2.5 to 2.5	Pass
			-10	4.0	-3.049	-0.0017	-0.0017	-2.5 to 2.5	Pass
				0	4.0	-5.704	-0.0033	-2.5 to 2.5	Pass
			10	4.0	-1.636	-0.0009	-0.0009	-2.5 to 2.5	Pass
				30	4.0	-0.176	-0.0001	-2.5 to 2.5	Pass
			40	4.0	-6.825	-0.0039	-0.0039	-2.5 to 2.5	Pass
				50	4.0	3.111	0.0018	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.8	-6.903	-0.0039	-2.5 to 2.5	Pass
					4.0	4.997	0.0028	-2.5 to 2.5	Pass
					4.2	-7.658	-0.0043	-2.5 to 2.5	Pass
				-30	4.0	-1.684	-0.0010	-2.5 to 2.5	Pass



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				-20	4.0	7.799	0.0044	-2.5 to 2.5	Pass
				-10	4.0	-3.985	-0.0022	-2.5 to 2.5	Pass
				0	4.0	6.681	0.0038	-2.5 to 2.5	Pass
				10	4.0	-5.876	-0.0033	-2.5 to 2.5	Pass
				30	4.0	1.593	0.0009	-2.5 to 2.5	Pass
				40	4.0	-1.730	-0.0010	-2.5 to 2.5	Pass
				50	4.0	6.999	0.0039	-2.5 to 2.5	Pass



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1.6 B66_20MHz

1.6.1 Test Result

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.8	-6.758	-0.0039	-2.5 to 2.5	Pass
					4.0	4.793	0.0028	-2.5 to 2.5	Pass
					4.2	0.388	0.0002	-2.5 to 2.5	Pass
				-30	4.0	7.413	0.0043	-2.5 to 2.5	Pass
				-20	4.0	0.372	0.0002	-2.5 to 2.5	Pass
				-10	4.0	4.541	0.0026	-2.5 to 2.5	Pass
				0	4.0	-5.827	-0.0034	-2.5 to 2.5	Pass
				10	4.0	-2.344	-0.0014	-2.5 to 2.5	Pass
				30	4.0	0.519	0.0003	-2.5 to 2.5	Pass
				40	4.0	-5.987	-0.0035	-2.5 to 2.5	Pass
				50	4.0	-7.281	-0.0042	-2.5 to 2.5	Pass
	1745	100	0	20	3.8	2.715	0.0016	-2.5 to 2.5	Pass
					4.0	5.321	0.0030	-2.5 to 2.5	Pass
					4.2	-4.828	-0.0028	-2.5 to 2.5	Pass
				-30	4.0	0.097	0.0001	-2.5 to 2.5	Pass
				-20	4.0	-7.324	-0.0042	-2.5 to 2.5	Pass
				-10	4.0	1.972	0.0011	-2.5 to 2.5	Pass
				0	4.0	-2.576	-0.0015	-2.5 to 2.5	Pass
				10	4.0	-4.069	-0.0023	-2.5 to 2.5	Pass
				30	4.0	0.904	0.0005	-2.5 to 2.5	Pass
				40	4.0	-5.493	-0.0031	-2.5 to 2.5	Pass
				50	4.0	6.175	0.0035	-2.5 to 2.5	Pass
	1770	100	0	20	3.8	-0.398	-0.0002	-2.5 to 2.5	Pass
					4.0	-4.817	-0.0027	-2.5 to 2.5	Pass
					4.2	-4.317	-0.0024	-2.5 to 2.5	Pass
				-30	4.0	-1.041	-0.0006	-2.5 to 2.5	Pass
				-20	4.0	-1.433	-0.0008	-2.5 to 2.5	Pass
				-10	4.0	1.008	0.0006	-2.5 to 2.5	Pass
				0	4.0	-4.733	-0.0027	-2.5 to 2.5	Pass
				10	4.0	-12.601	-0.0071	-2.5 to 2.5	Pass
				30	4.0	-5.734	-0.0032	-2.5 to 2.5	Pass
				40	4.0	-0.112	-0.0001	-2.5 to 2.5	Pass
				50	4.0	-5.550	-0.0031	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.8	4.047	0.0024	-2.5 to 2.5	Pass
					4.0	-5.817	-0.0034	-2.5 to 2.5	Pass
					4.2	-4.073	-0.0024	-2.5 to 2.5	Pass
				-30	4.0	0.463	0.0003	-2.5 to 2.5	Pass
				-20	4.0	6.942	0.0040	-2.5 to 2.5	Pass
				-10	4.0	-6.923	-0.0040	-2.5 to 2.5	Pass
				0	4.0	1.718	0.0010	-2.5 to 2.5	Pass
				10	4.0	-2.965	-0.0017	-2.5 to 2.5	Pass
				30	4.0	-7.404	-0.0043	-2.5 to 2.5	Pass



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				40	4.0	5.673	0.0033	-2.5 to 2.5	Pass
				50	4.0	-2.464	-0.0014	-2.5 to 2.5	Pass
	1745	100	0	20	3.8	-5.186	-0.0030	-2.5 to 2.5	Pass
					4.0	-2.673	-0.0015	-2.5 to 2.5	Pass
					4.2	2.428	0.0014	-2.5 to 2.5	Pass
				-30	4.0	-2.835	-0.0016	-2.5 to 2.5	Pass
				-20	4.0	-4.777	-0.0027	-2.5 to 2.5	Pass
				-10	4.0	5.420	0.0031	-2.5 to 2.5	Pass
				0	4.0	8.201	0.0047	-2.5 to 2.5	Pass
				10	4.0	5.427	0.0031	-2.5 to 2.5	Pass
				30	4.0	-3.660	-0.0021	-2.5 to 2.5	Pass
				40	4.0	2.399	0.0014	-2.5 to 2.5	Pass
				50	4.0	3.051	0.0017	-2.5 to 2.5	Pass
	1770	100	0	20	3.8	-14.898	-0.0084	-2.5 to 2.5	Pass
					4.0	-0.320	-0.0002	-2.5 to 2.5	Pass
					4.2	-11.909	-0.0067	-2.5 to 2.5	Pass
				-30	4.0	1.958	0.0011	-2.5 to 2.5	Pass
				-20	4.0	-6.094	-0.0034	-2.5 to 2.5	Pass
				-10	4.0	-11.651	-0.0066	-2.5 to 2.5	Pass
				0	4.0	-11.916	-0.0067	-2.5 to 2.5	Pass
				10	4.0	-13.461	-0.0076	-2.5 to 2.5	Pass
				30	4.0	-8.602	-0.0049	-2.5 to 2.5	Pass
				40	4.0	-7.930	-0.0045	-2.5 to 2.5	Pass
				50	4.0	1.049	0.0006	-2.5 to 2.5	Pass
64QAM	1720	100	0	20	3.8	-4.108	-0.0024	-2.5 to 2.5	Pass
					4.0	6.652	0.0039	-2.5 to 2.5	Pass
					4.2	-0.438	-0.0003	-2.5 to 2.5	Pass
				-30	4.0	-7.339	-0.0043	-2.5 to 2.5	Pass
				-20	4.0	5.308	0.0031	-2.5 to 2.5	Pass
				-10	4.0	-3.066	-0.0018	-2.5 to 2.5	Pass
				0	4.0	3.115	0.0018	-2.5 to 2.5	Pass
				10	4.0	1.709	0.0010	-2.5 to 2.5	Pass
				30	4.0	2.558	0.0015	-2.5 to 2.5	Pass
				40	4.0	-8.626	-0.0050	-2.5 to 2.5	Pass
				50	4.0	-1.767	-0.0010	-2.5 to 2.5	Pass
	1745	100	0	20	3.8	-6.165	-0.0035	-2.5 to 2.5	Pass
					4.0	1.192	0.0007	-2.5 to 2.5	Pass
					4.2	5.916	0.0034	-2.5 to 2.5	Pass
				-30	4.0	-0.764	-0.0004	-2.5 to 2.5	Pass
				-20	4.0	3.782	0.0022	-2.5 to 2.5	Pass
				-10	4.0	-7.481	-0.0043	-2.5 to 2.5	Pass
				0	4.0	1.715	0.0010	-2.5 to 2.5	Pass
				10	4.0	-6.434	-0.0037	-2.5 to 2.5	Pass
				30	4.0	6.587	0.0038	-2.5 to 2.5	Pass
				40	4.0	4.933	0.0028	-2.5 to 2.5	Pass
				50	4.0	0.916	0.0005	-2.5 to 2.5	Pass
	1770	100	0	20	3.8	-10.267	-0.0058	-2.5 to 2.5	Pass
					4.0	-8.985	-0.0051	-2.5 to 2.5	Pass
					4.2	-5.522	-0.0031	-2.5 to 2.5	Pass
				-30	4.0	-0.873	-0.0005	-2.5 to 2.5	Pass



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				-20	4.0	-11.660	-0.0066	-2.5 to 2.5	Pass
				-10	4.0	-13.454	-0.0076	-2.5 to 2.5	Pass
				0	4.0	-8.246	-0.0047	-2.5 to 2.5	Pass
				10	4.0	-0.313	-0.0002	-2.5 to 2.5	Pass
				30	4.0	-15.541	-0.0088	-2.5 to 2.5	Pass
				40	4.0	-4.151	-0.0023	-2.5 to 2.5	Pass
				50	4.0	-0.237	-0.0001	-2.5 to 2.5	Pass



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2. 99% & 26dB Bandwidth

2.1 Band66_OBW

2.1.1 Test Result

Band: 66 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.110	/	Pass
		1745	6	0	1.104	/	Pass
		1779.3	6	0	1.109	/	Pass
	16QAM	1710.7	6	0	1.107	/	Pass
		1745	6	0	1.104	/	Pass
		1779.3	6	0	1.106	/	Pass
	64QAM	1710.7	6	0	1.105	/	Pass
		1745	6	0	1.103	/	Pass
		1779.3	6	0	1.110	/	Pass
3	QPSK	1711.5	15	0	2.733	/	Pass
		1745	15	0	2.751	/	Pass
		1778.5	15	0	2.726	/	Pass
	16QAM	1711.5	15	0	2.746	/	Pass
		1745	15	0	2.733	/	Pass
		1778.5	15	0	2.748	/	Pass
	64QAM	1711.5	15	0	2.748	/	Pass
		1745	15	0	2.737	/	Pass
		1778.5	15	0	2.744	/	Pass
5	QPSK	1712.5	25	0	4.567	/	Pass
		1745	25	0	4.547	/	Pass
		1777.5	25	0	4.527	/	Pass
	16QAM	1712.5	25	0	4.536	/	Pass
		1745	25	0	4.563	/	Pass
		1777.5	25	0	4.553	/	Pass
	64QAM	1712.5	25	0	4.548	/	Pass
		1745	25	0	4.557	/	Pass
		1777.5	25	0	4.546	/	Pass
10	QPSK	1715	50	0	9.031	/	Pass
		1745	50	0	9.031	/	Pass
		1775	50	0	9.041	/	Pass
	16QAM	1715	50	0	9.015	/	Pass
		1745	50	0	9.034	/	Pass
		1775	50	0	9.038	/	Pass
	64QAM	1715	50	0	9.034	/	Pass
		1745	50	0	9.044	/	Pass
		1775	50	0	9.046	/	Pass
15	QPSK	1717.5	75	0	13.609	/	Pass
		1745	75	0	13.580	/	Pass
		1772.5	75	0	13.607	/	Pass
	16QAM	1717.5	75	0	13.571	/	Pass



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20	64QAM	1745	75	0	13.616	/	Pass
		1772.5	75	0	13.641	/	Pass
		1717.5	75	0	13.572	/	Pass
		1745	75	0	13.590	/	Pass
		1772.5	75	0	13.657	/	Pass
	QPSK	1720	100	0	18.086	/	Pass
		1745	100	0	18.148	/	Pass
		1770	100	0	18.182	/	Pass
	16QAM	1720	100	0	18.158	/	Pass
		1745	100	0	18.078	/	Pass
		1770	100	0	18.126	/	Pass
	64QAM	1720	100	0	18.092	/	Pass
		1745	100	0	18.150	/	Pass
		1770	100	0	18.142	/	Pass



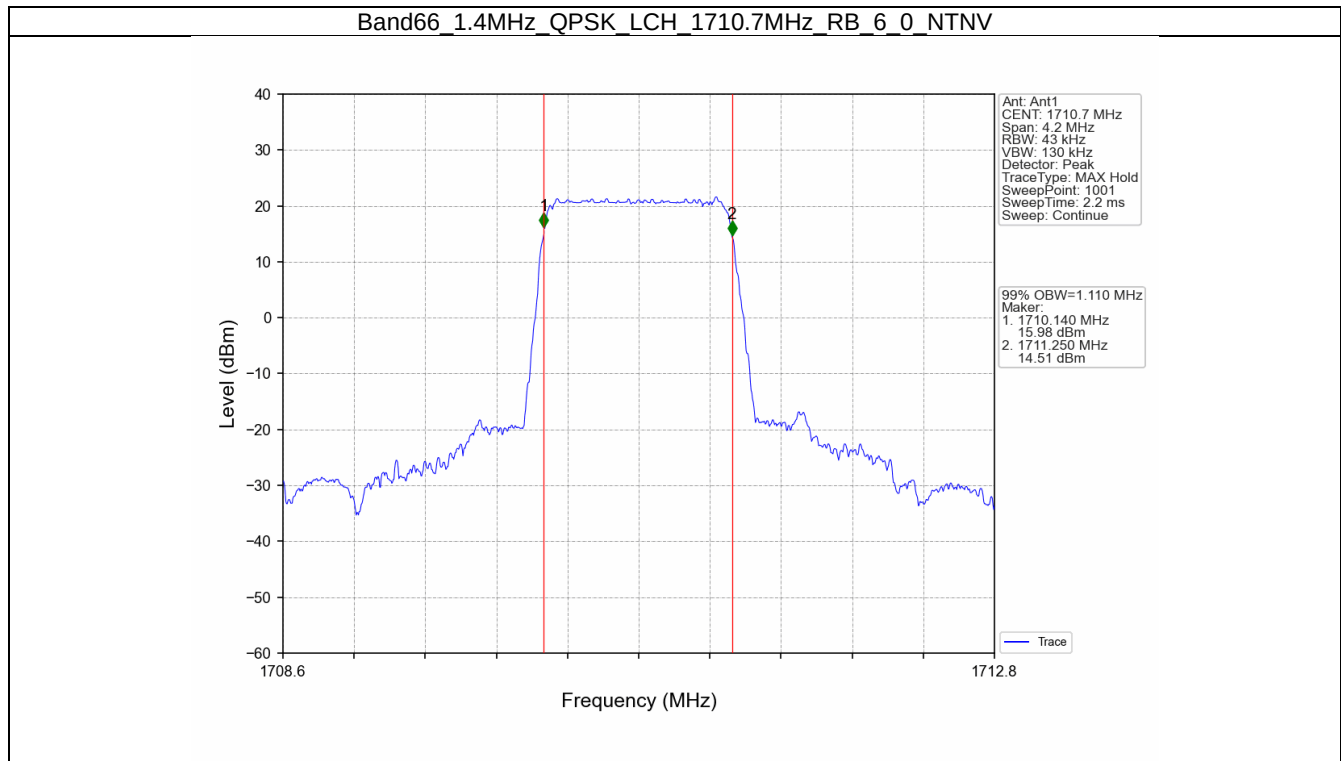
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2.1.2 Test Graph



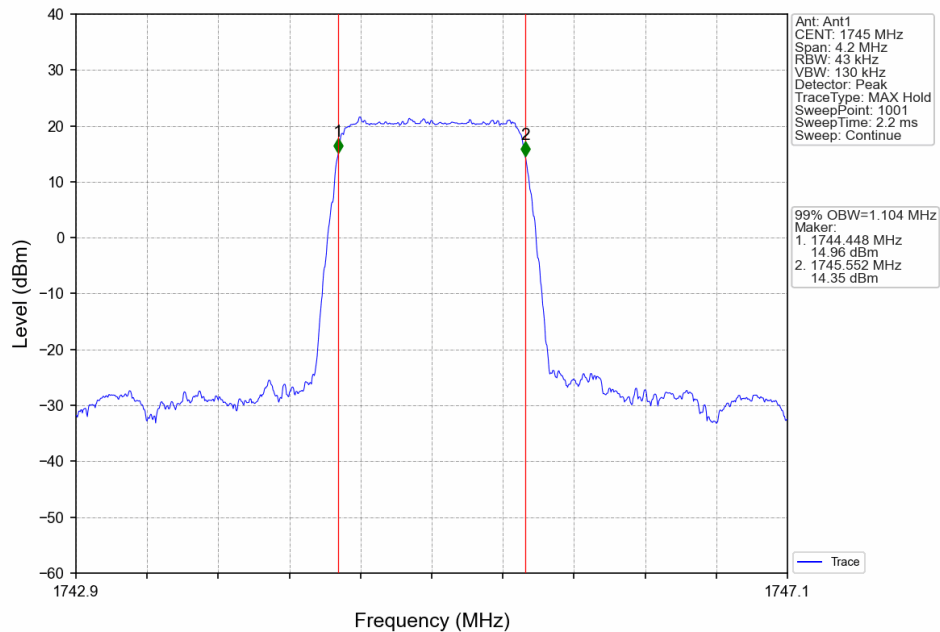
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Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



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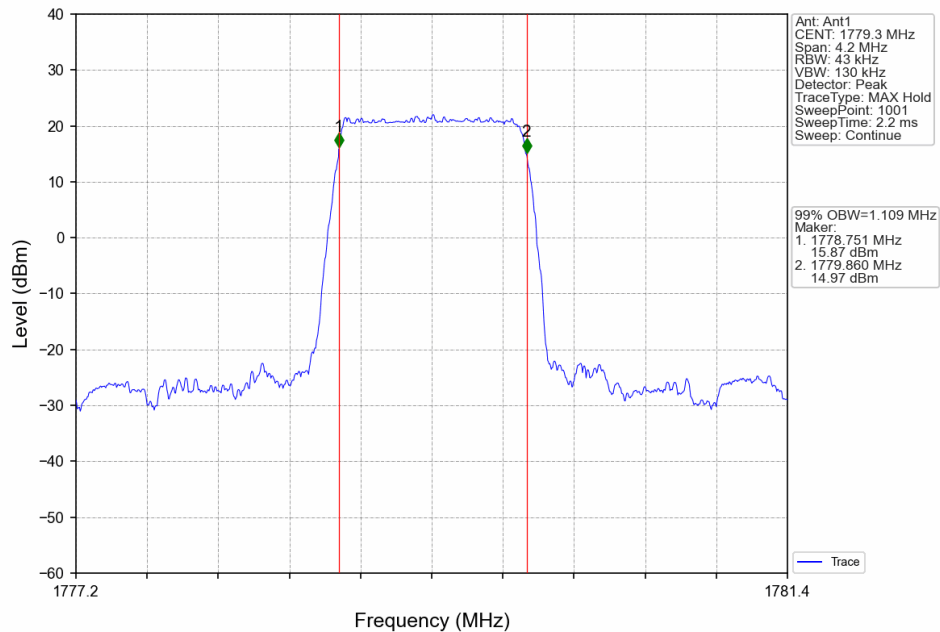
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Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTN



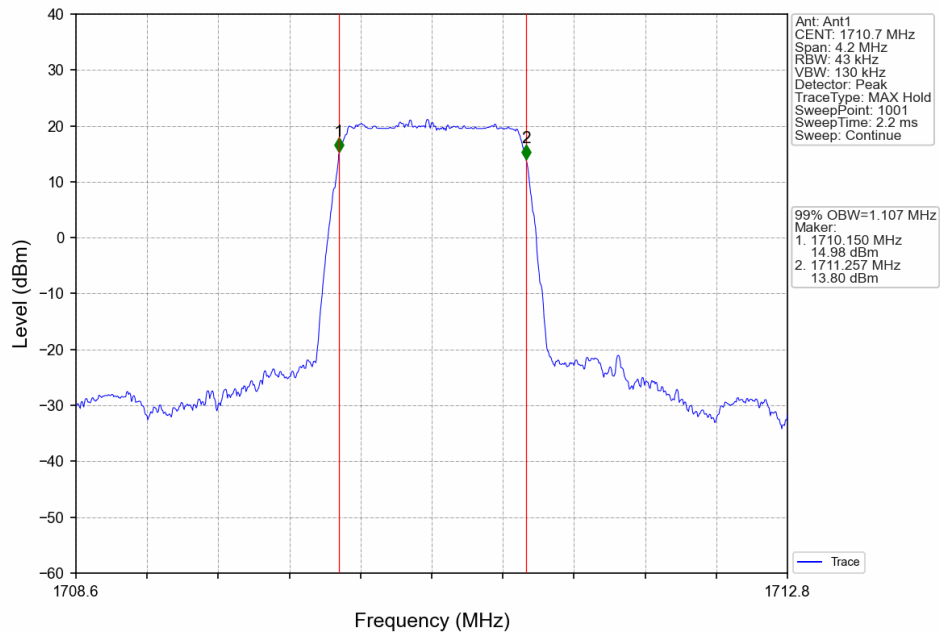
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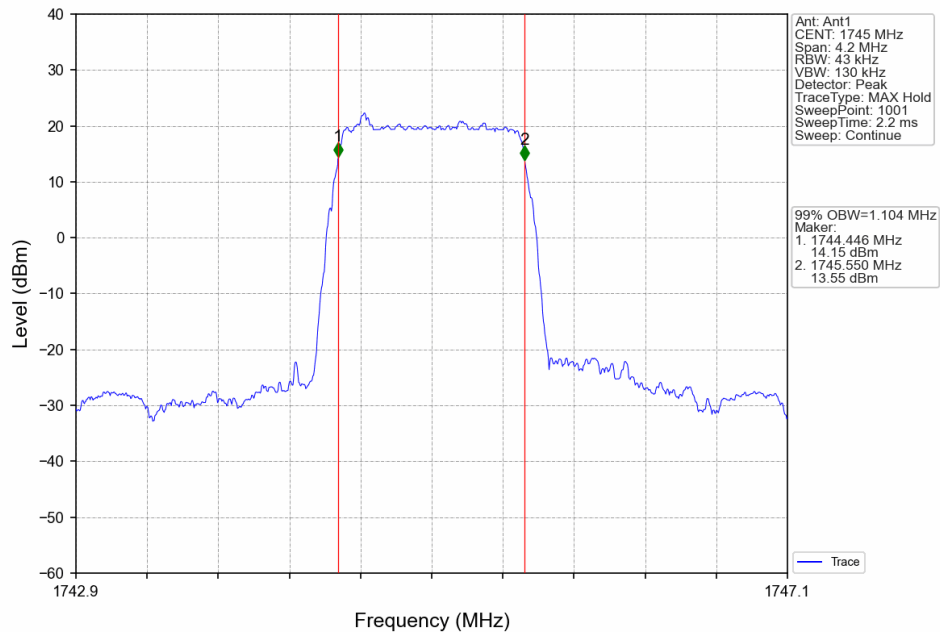
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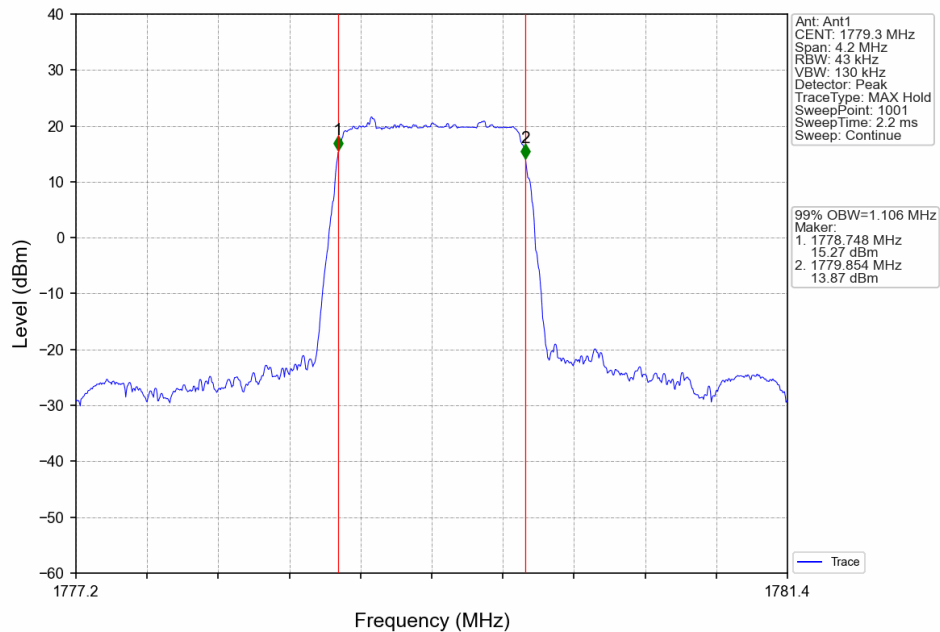
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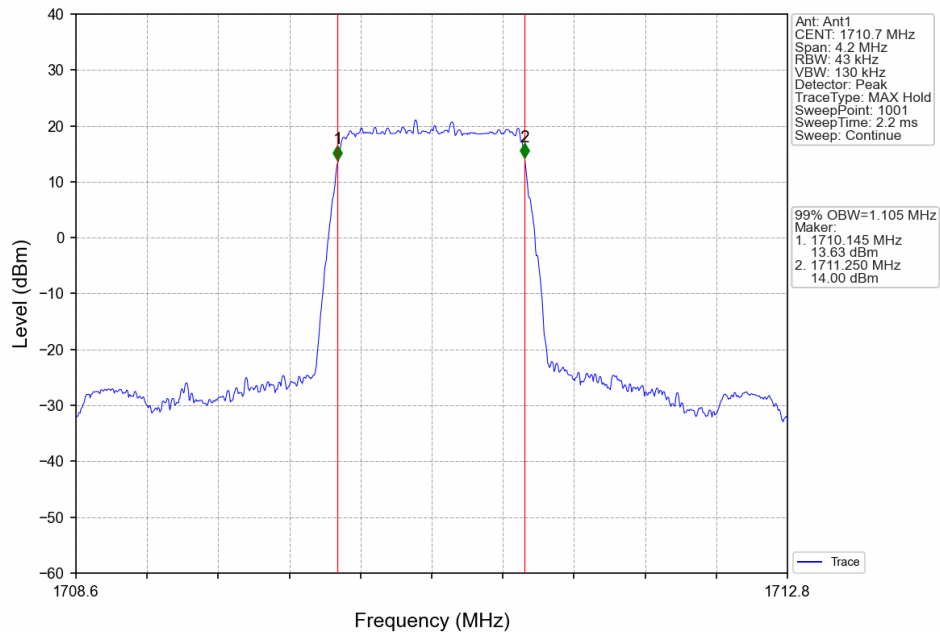
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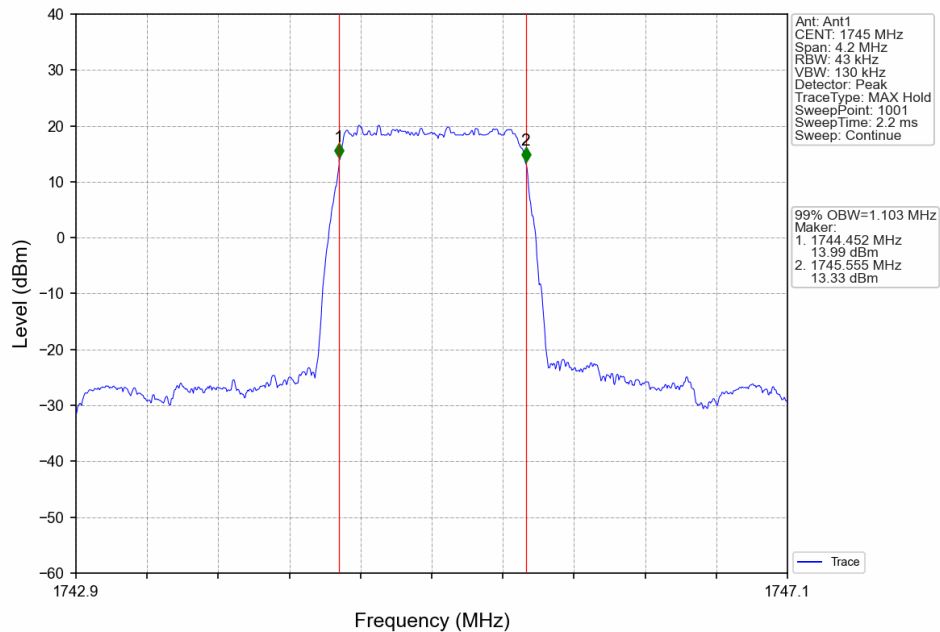
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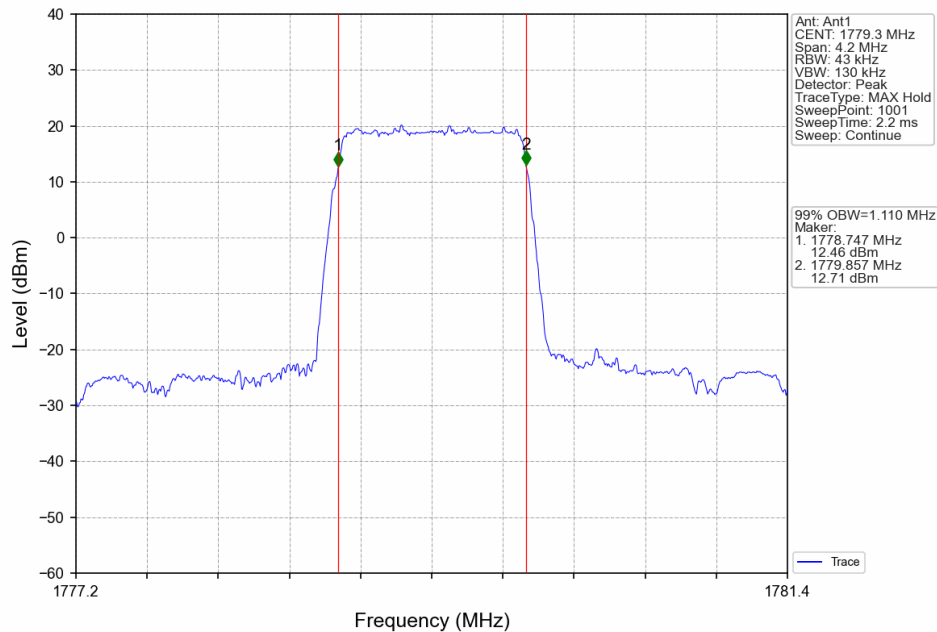
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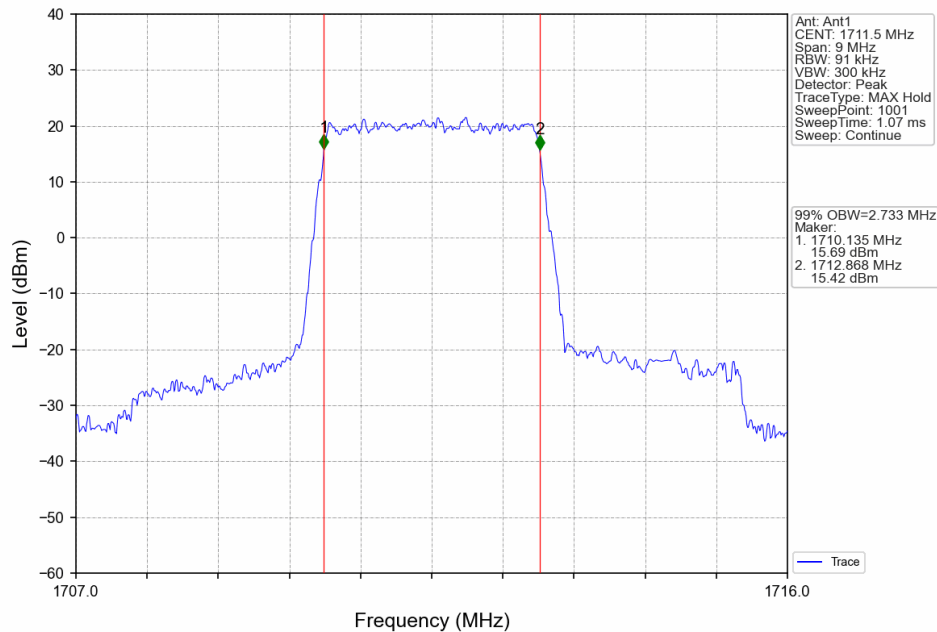
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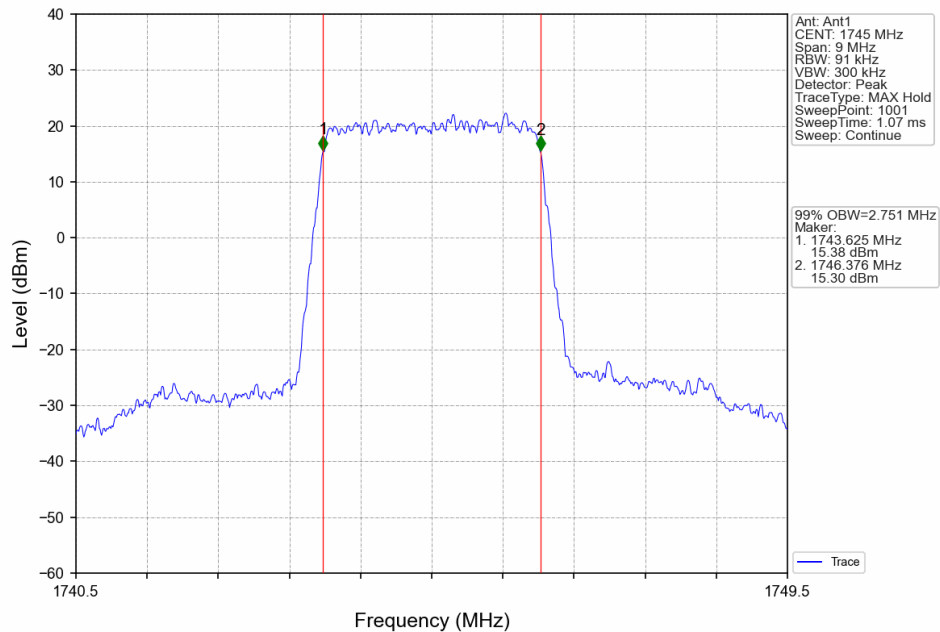
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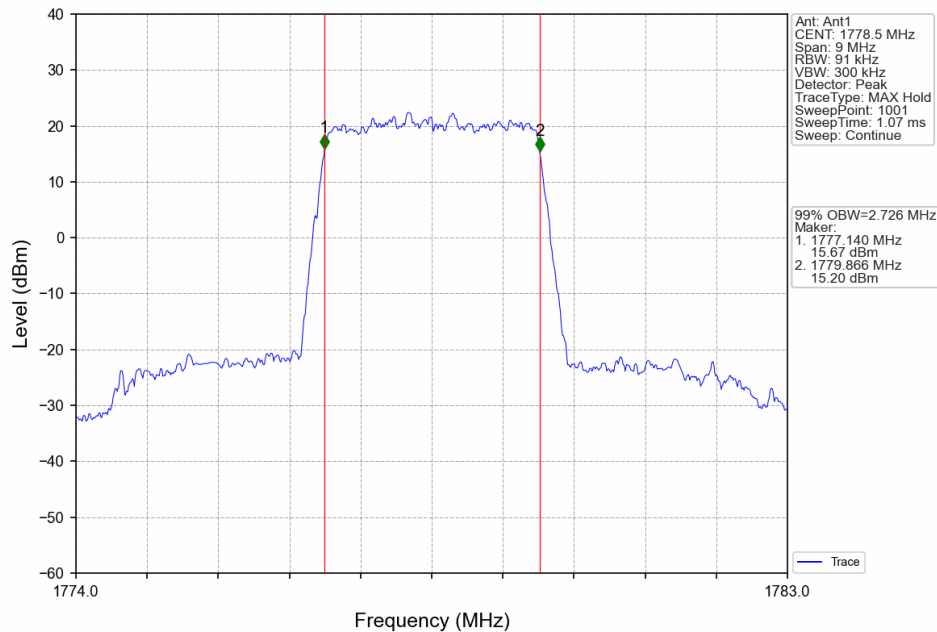
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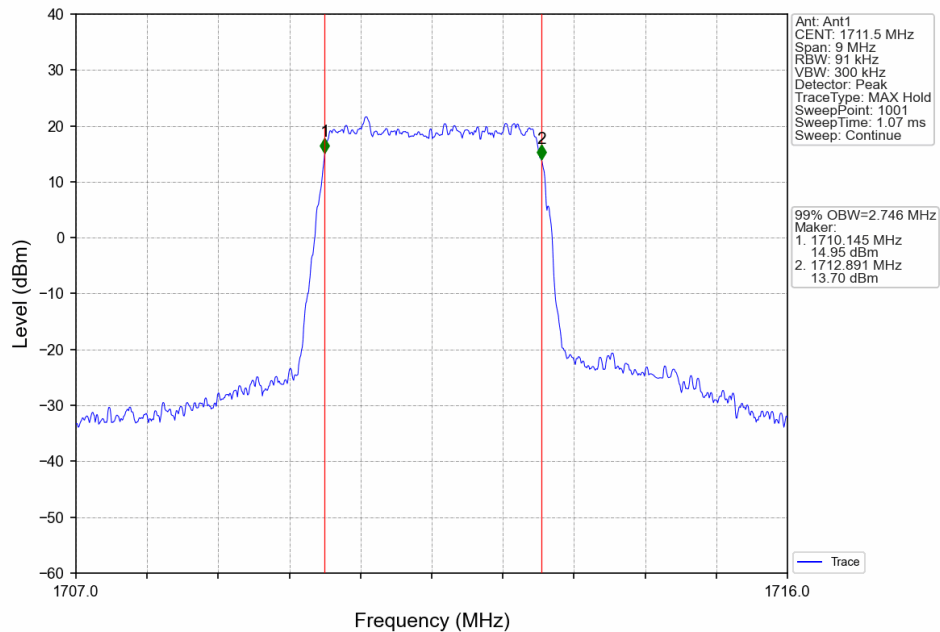
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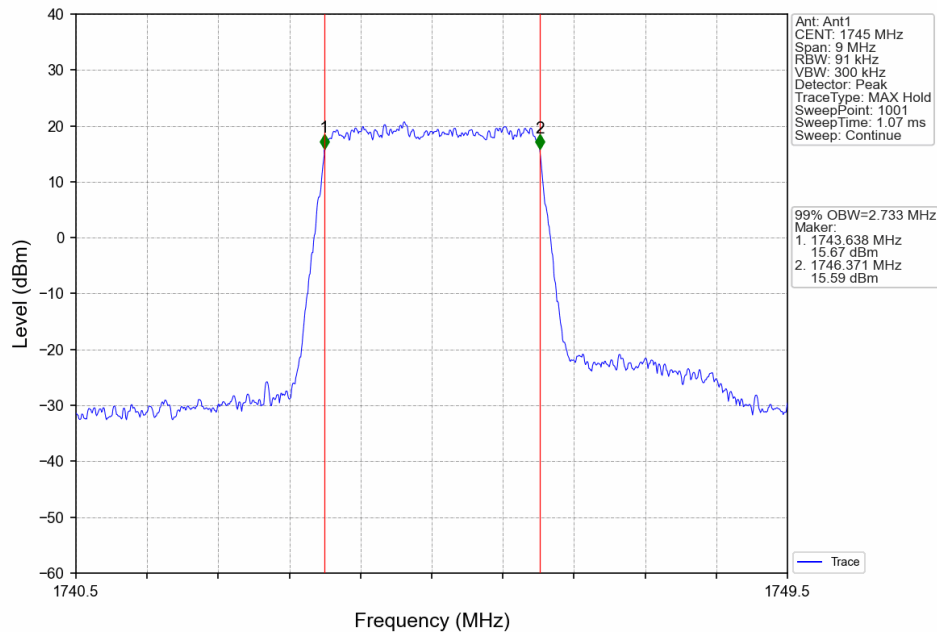
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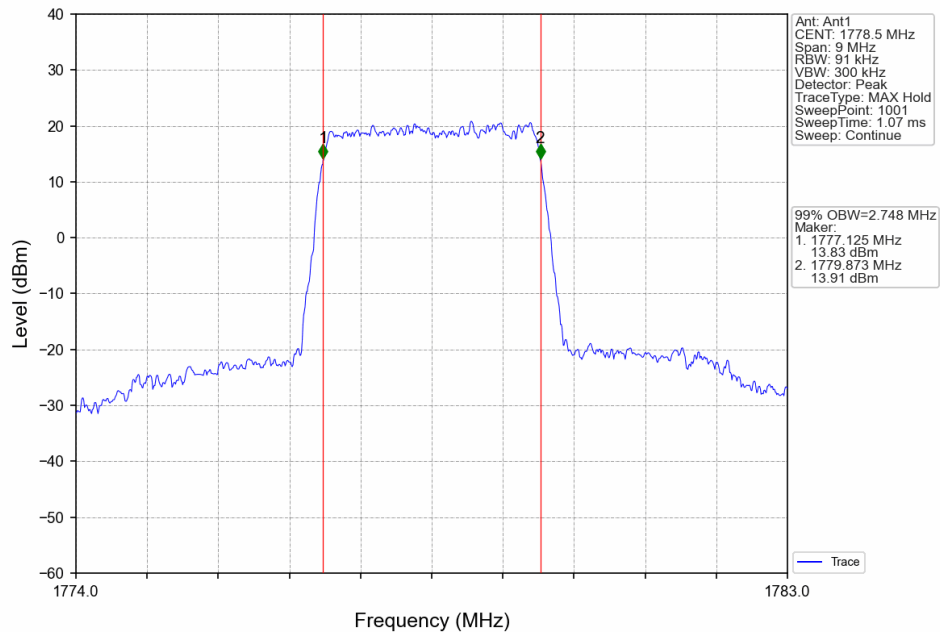
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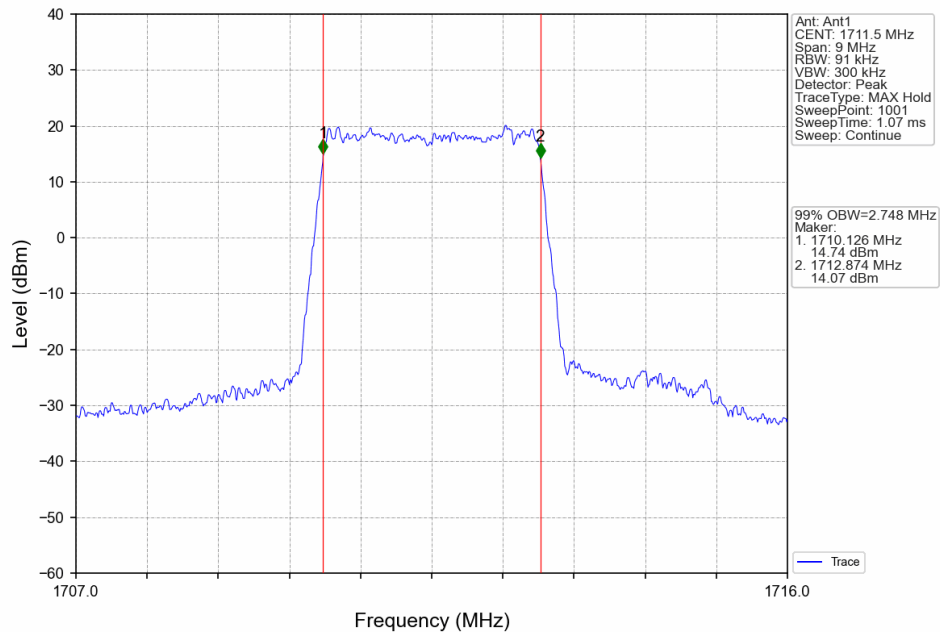
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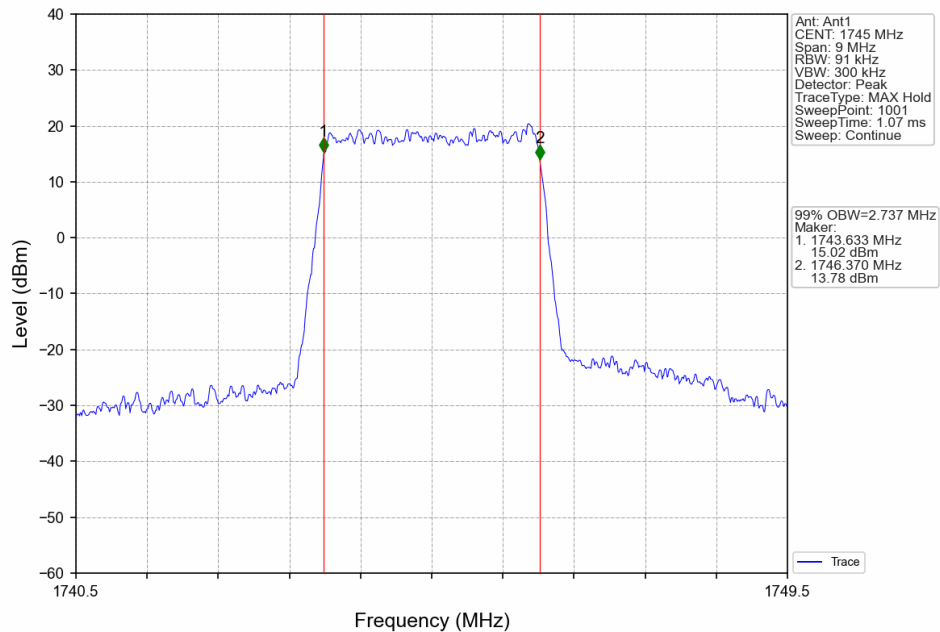
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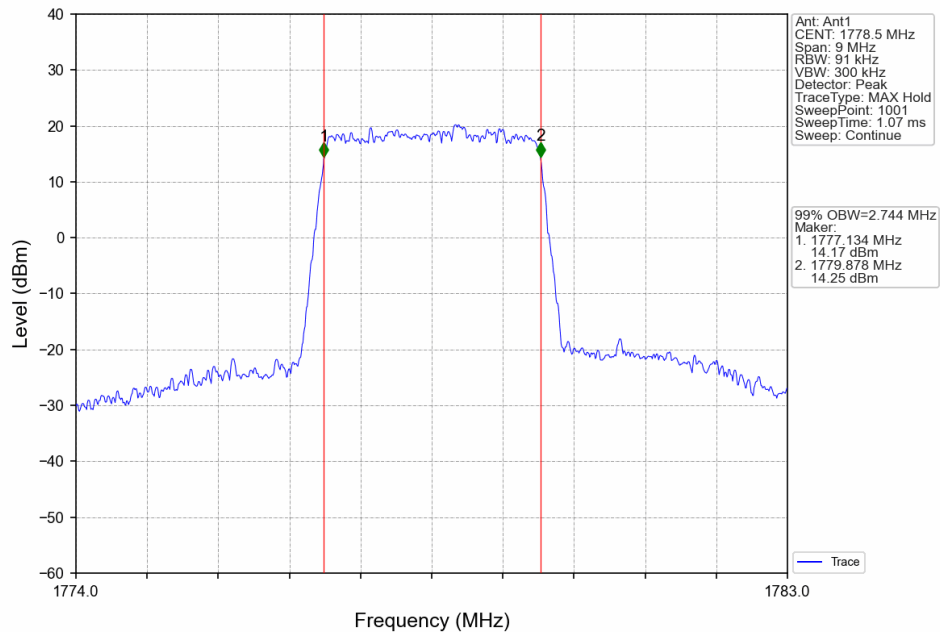
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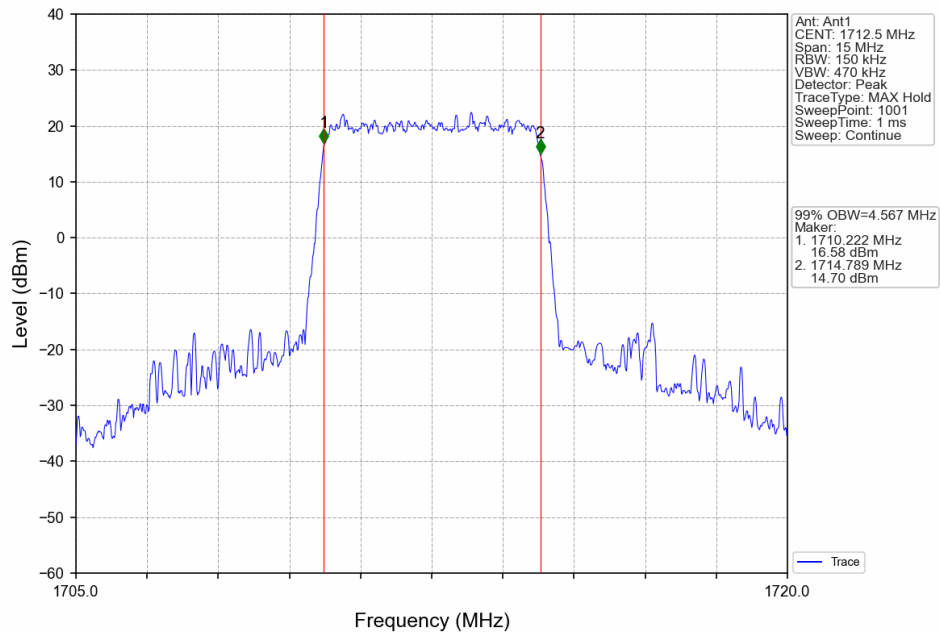
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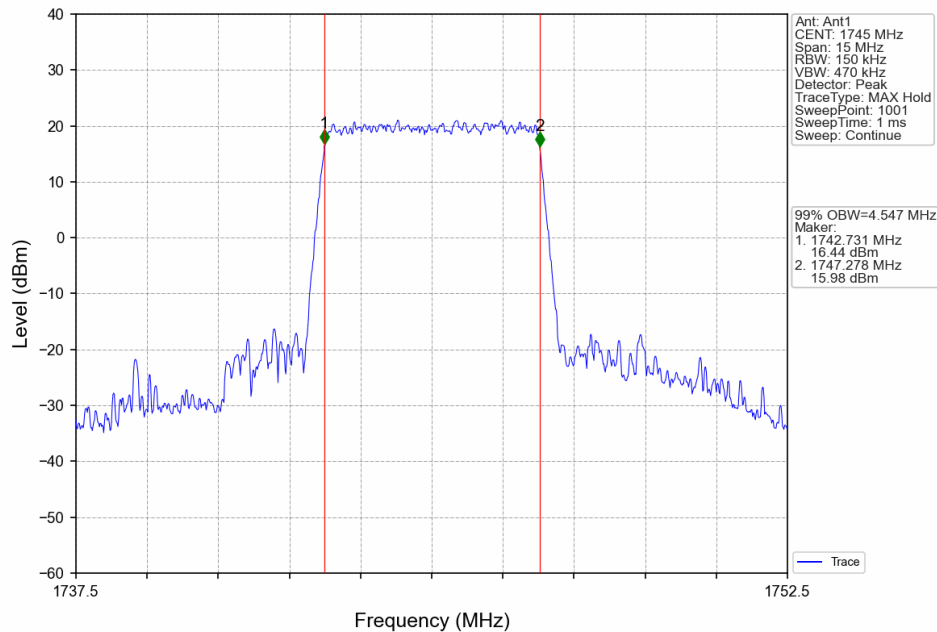
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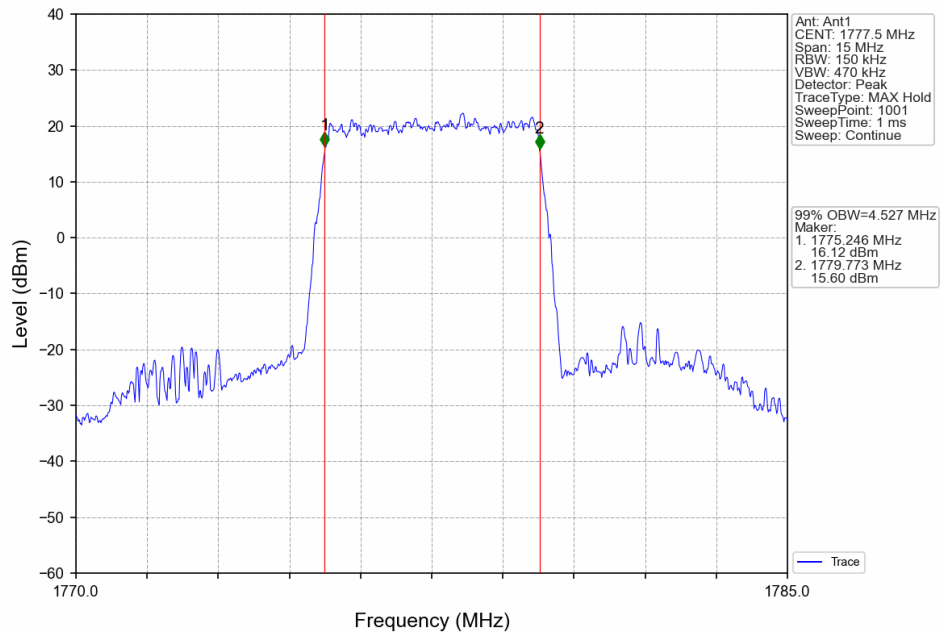
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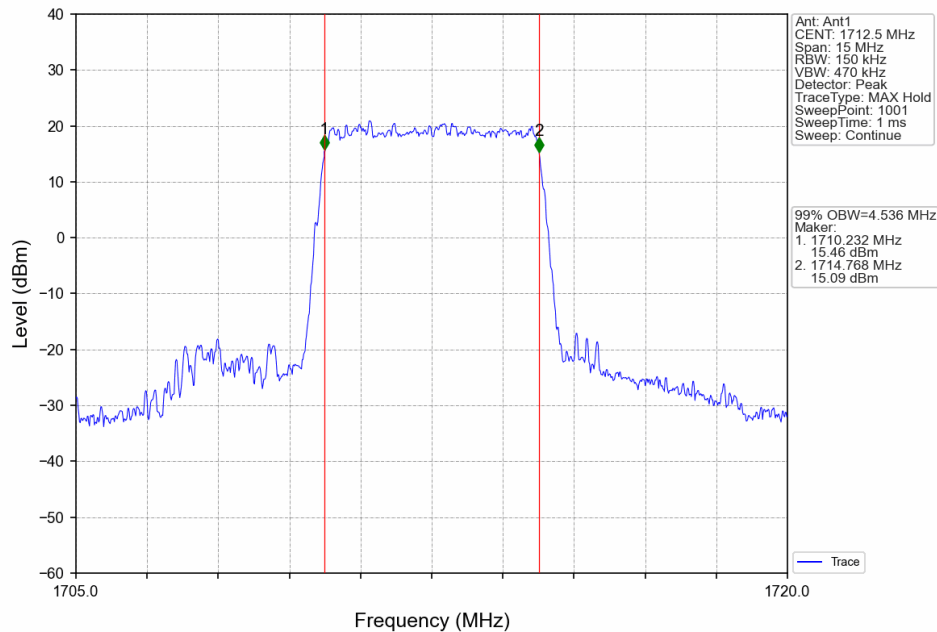
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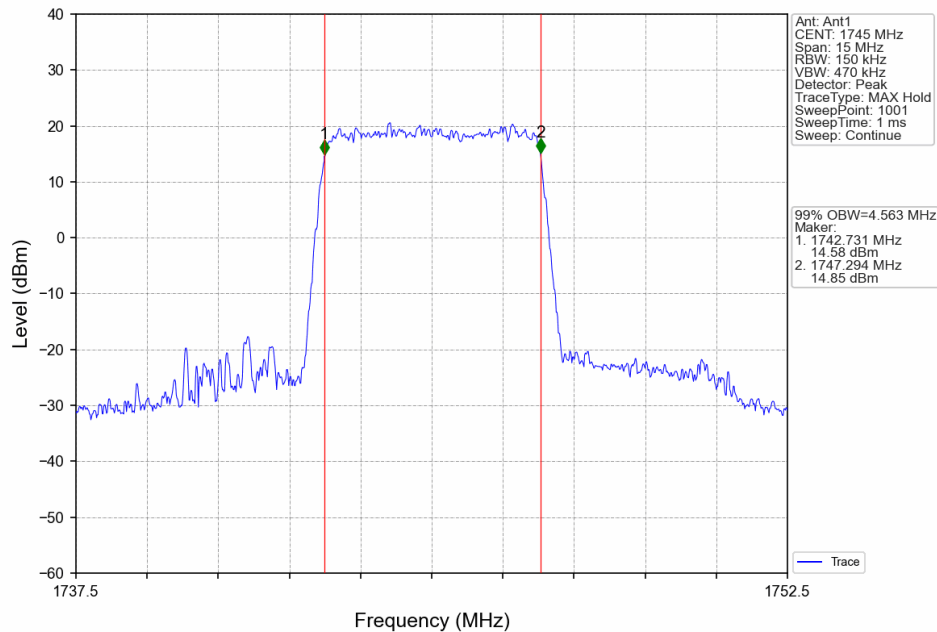
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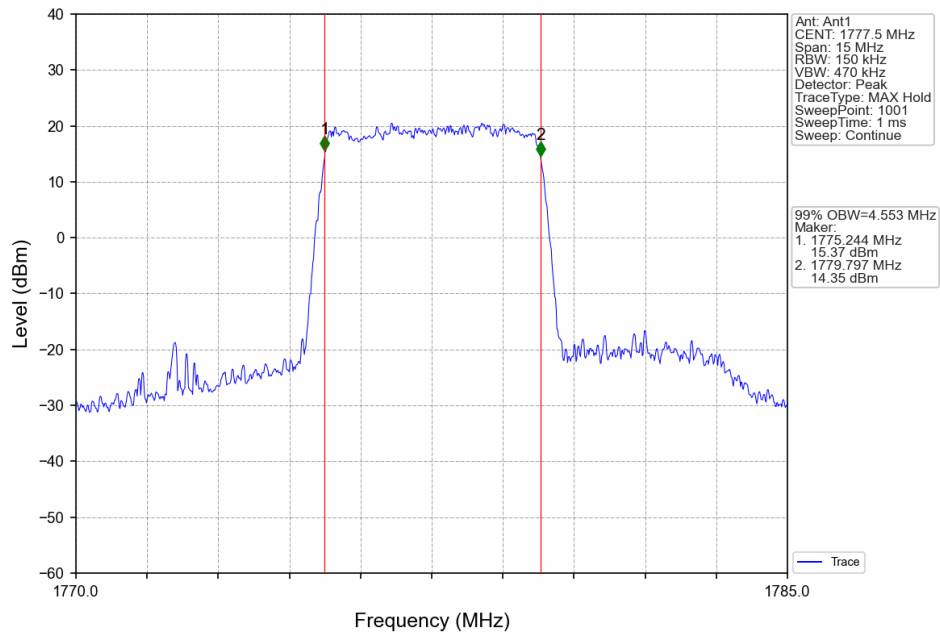
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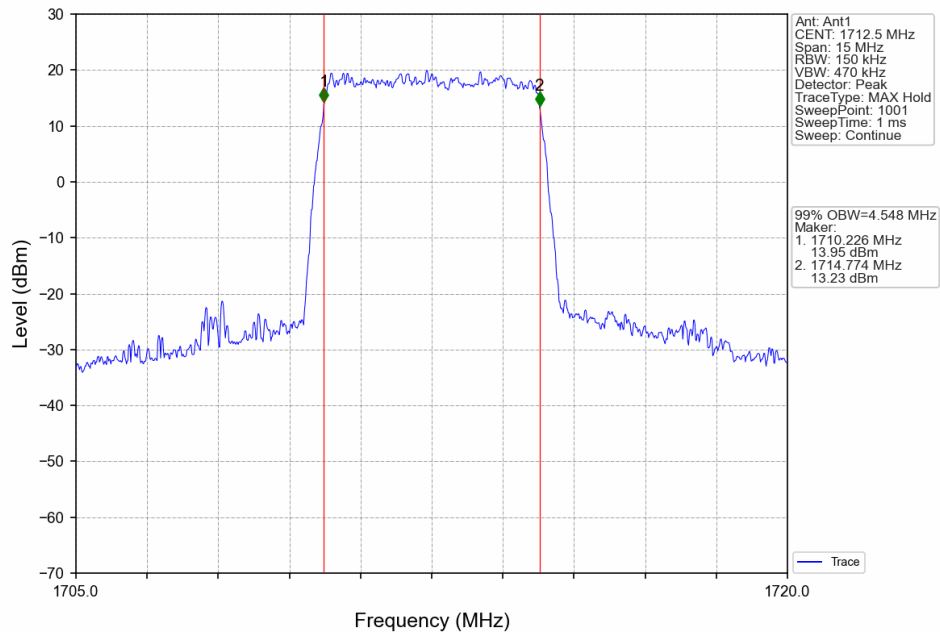
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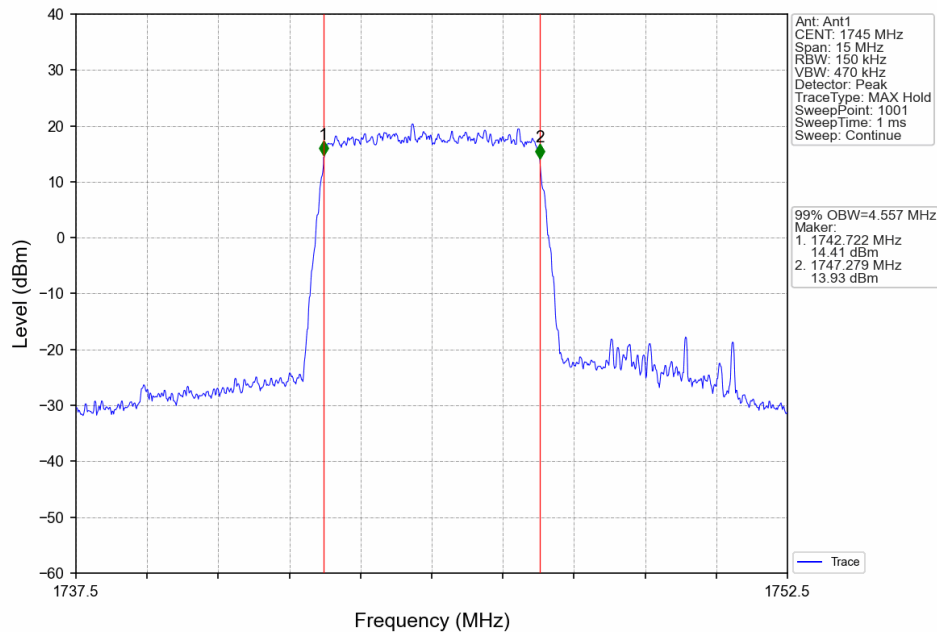


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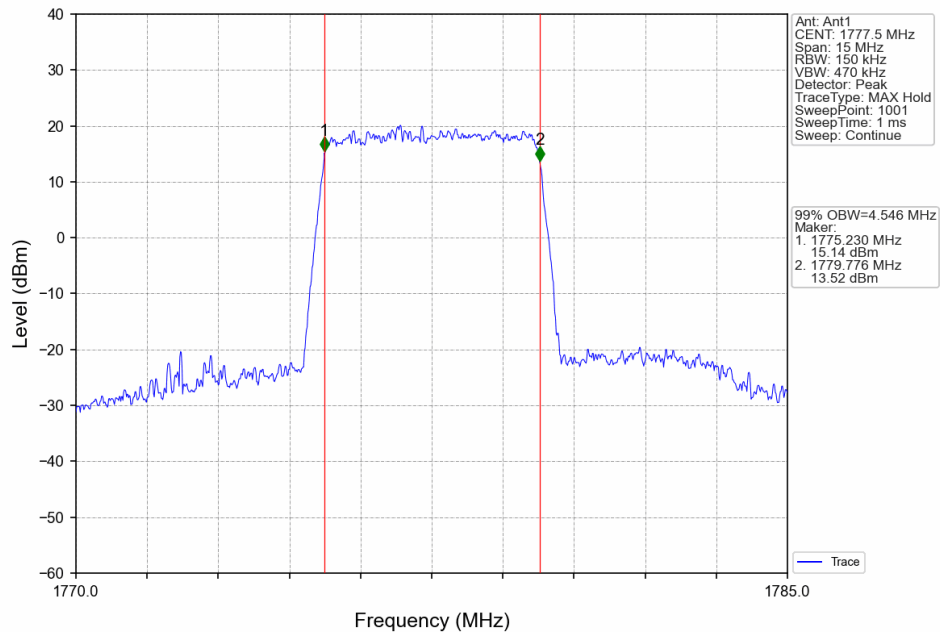
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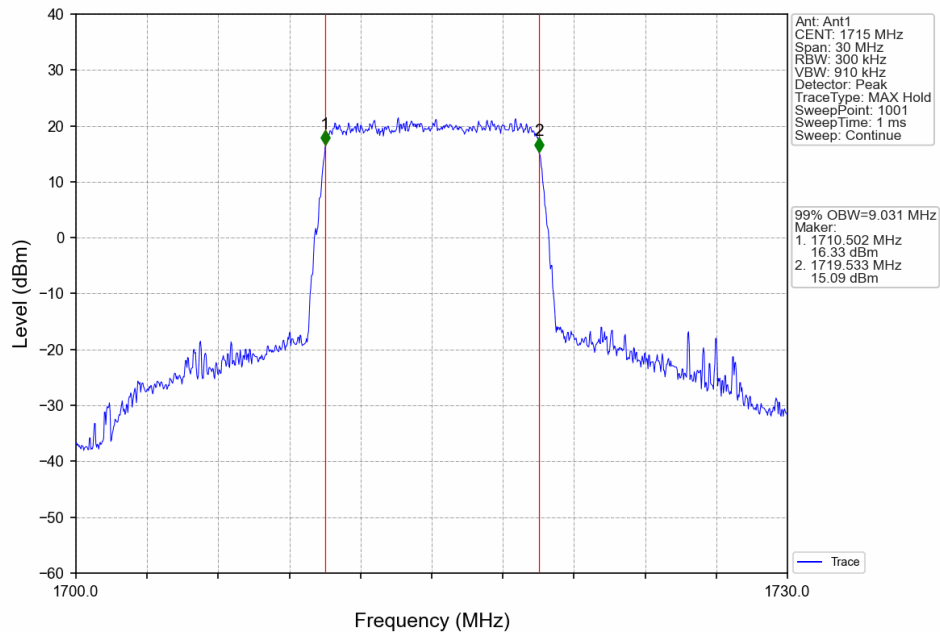
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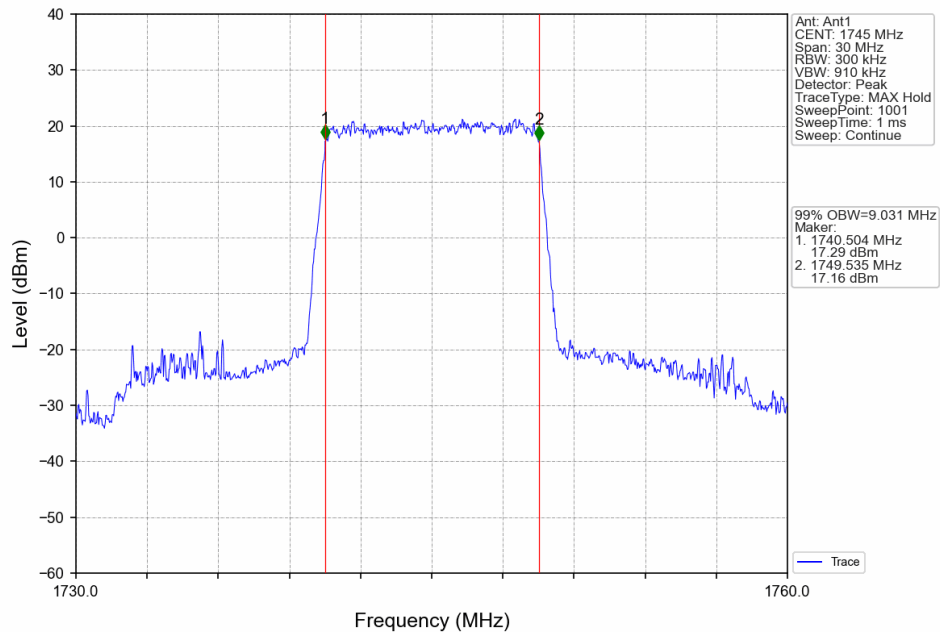
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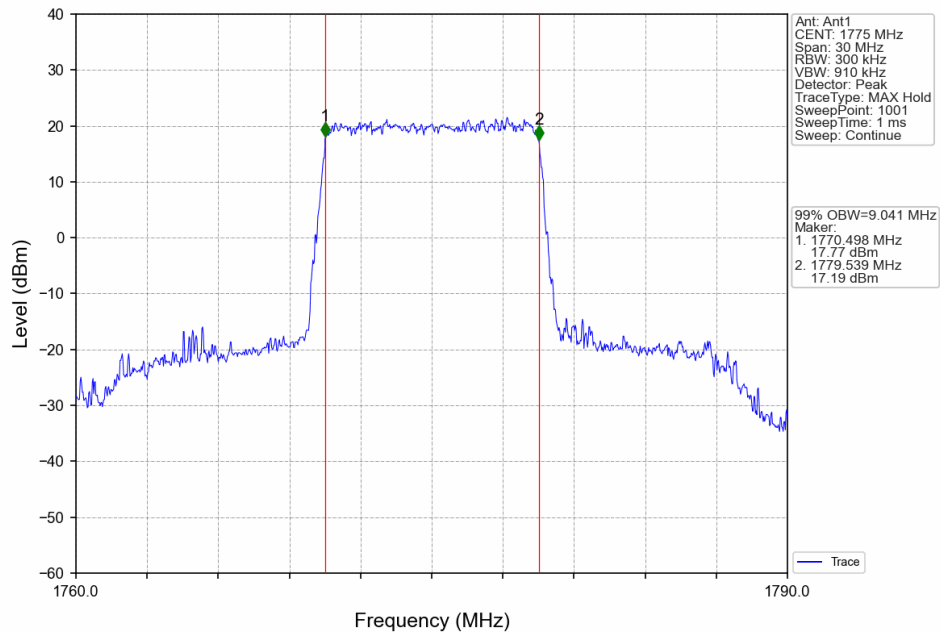
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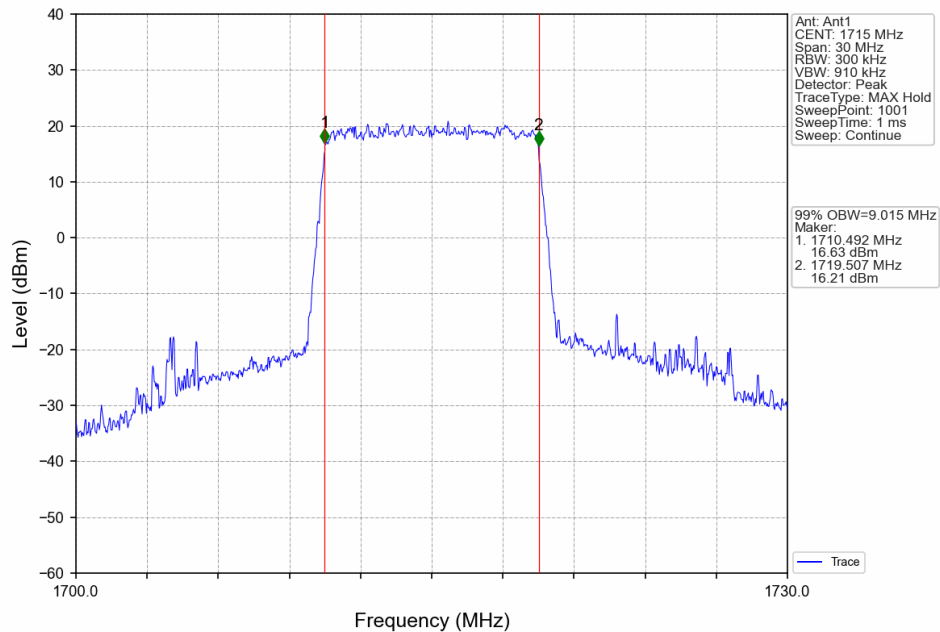
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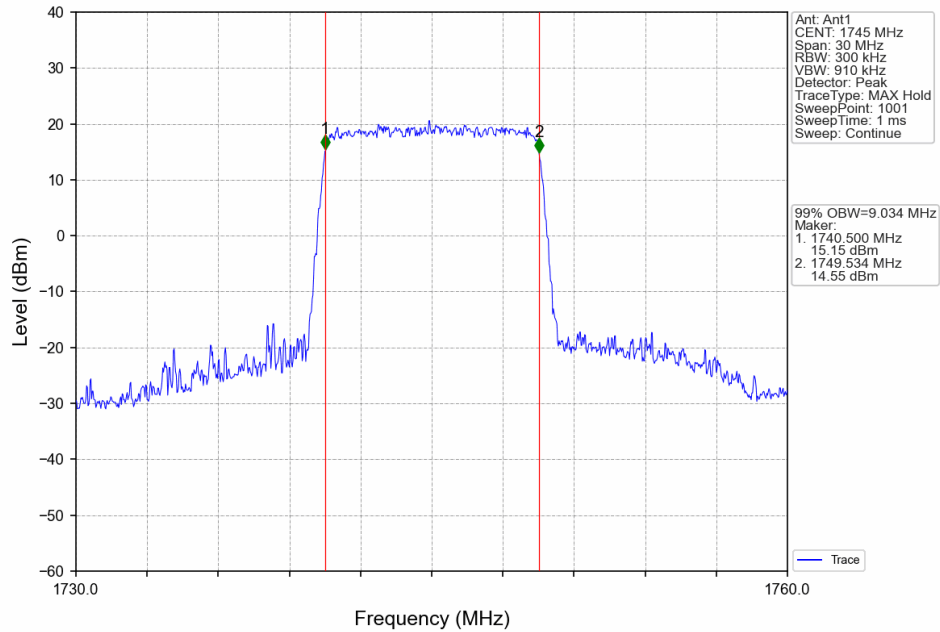
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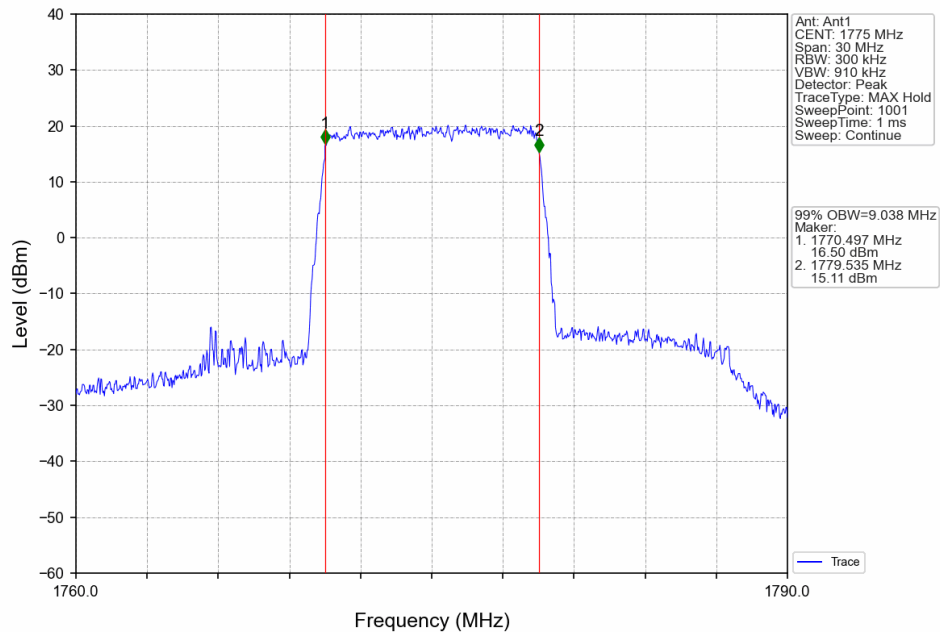


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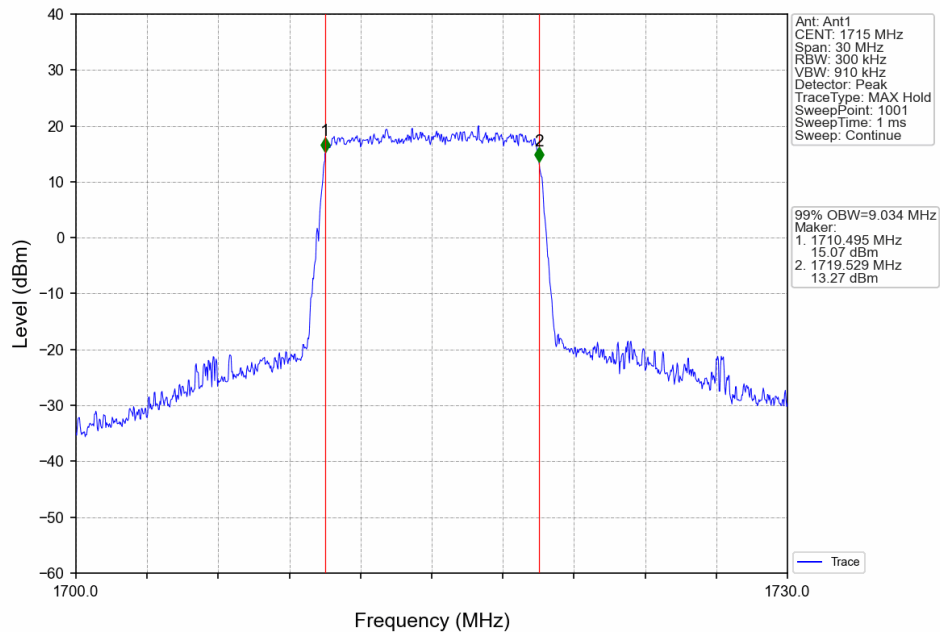
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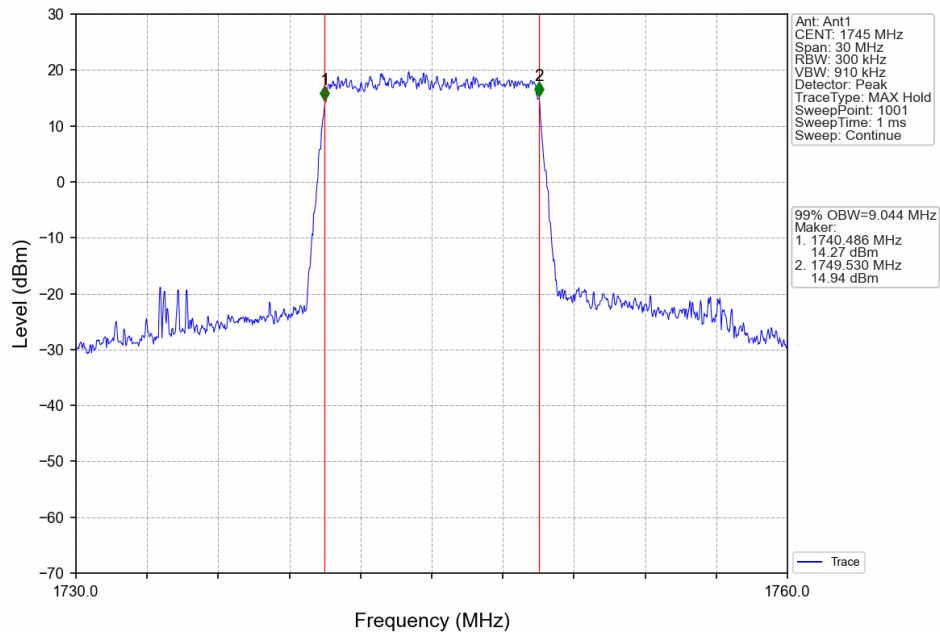
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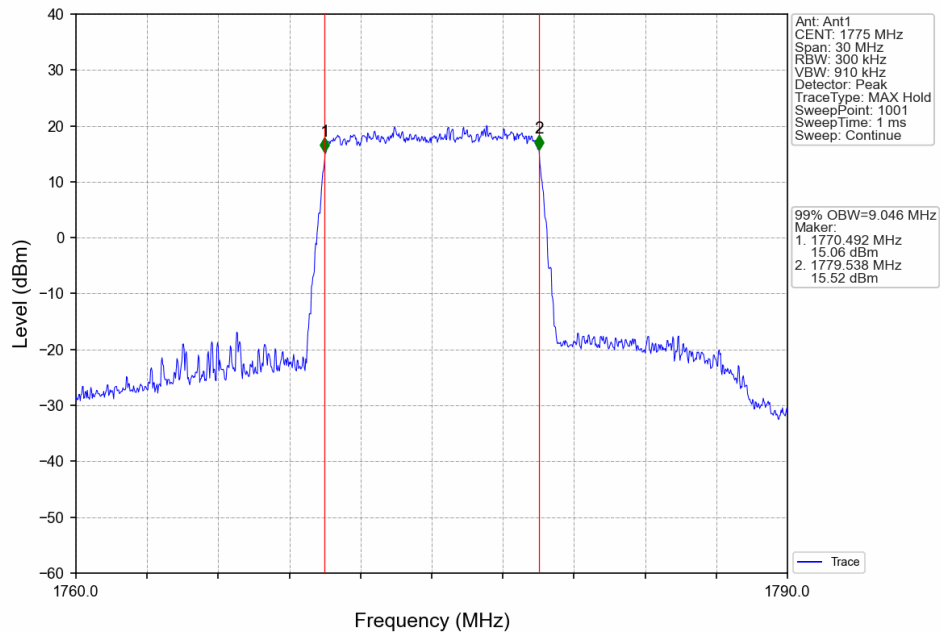
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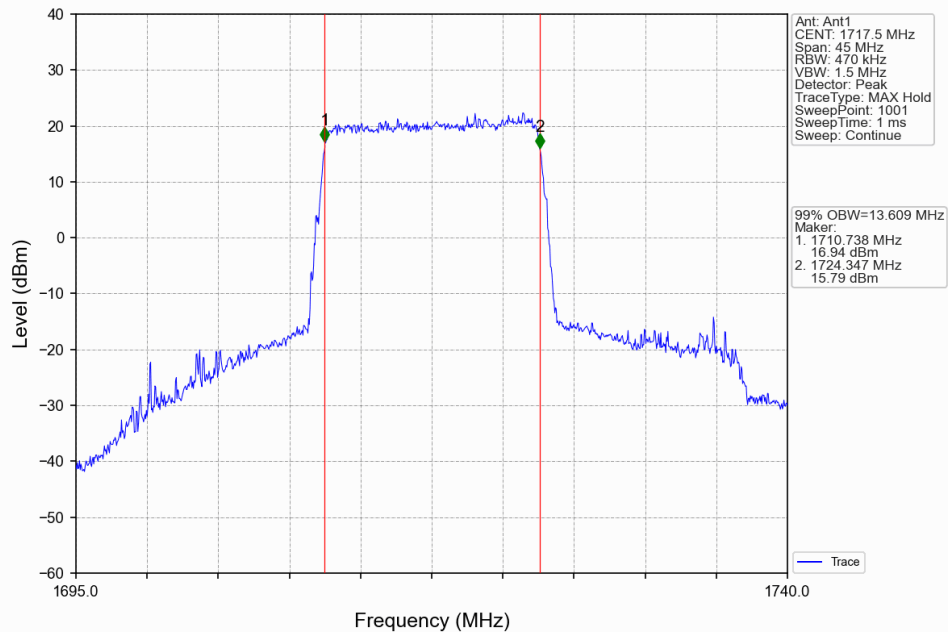
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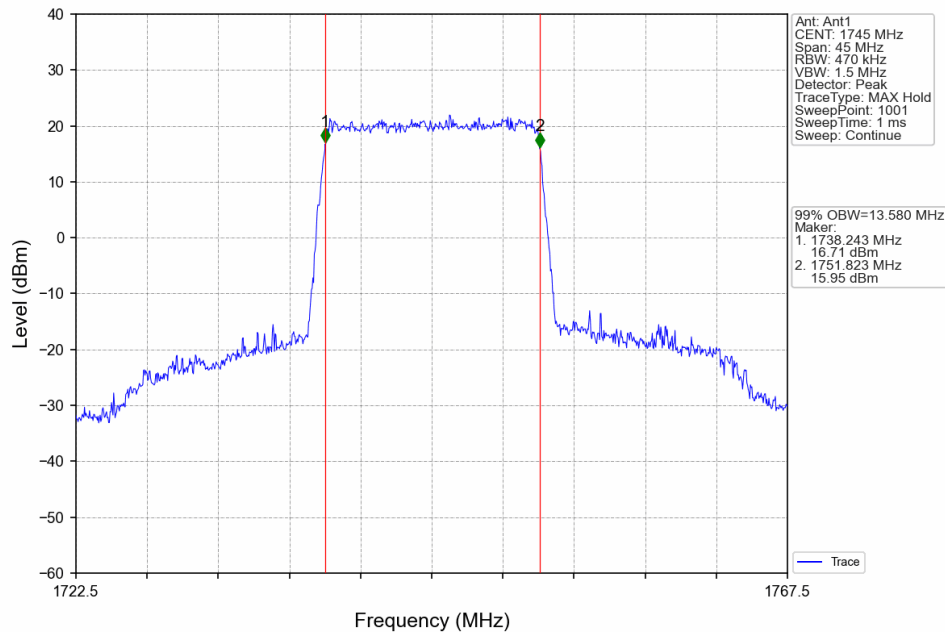
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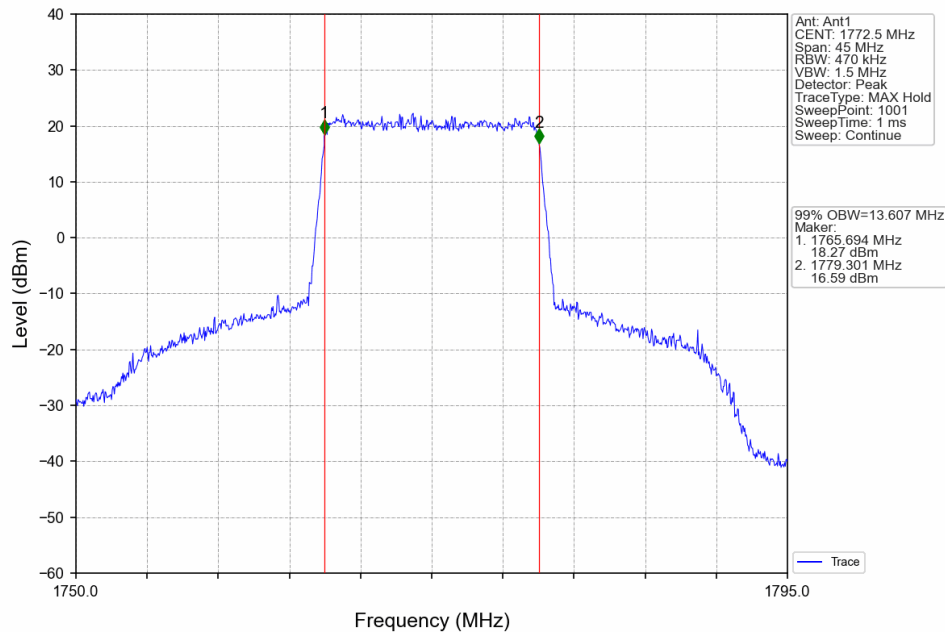
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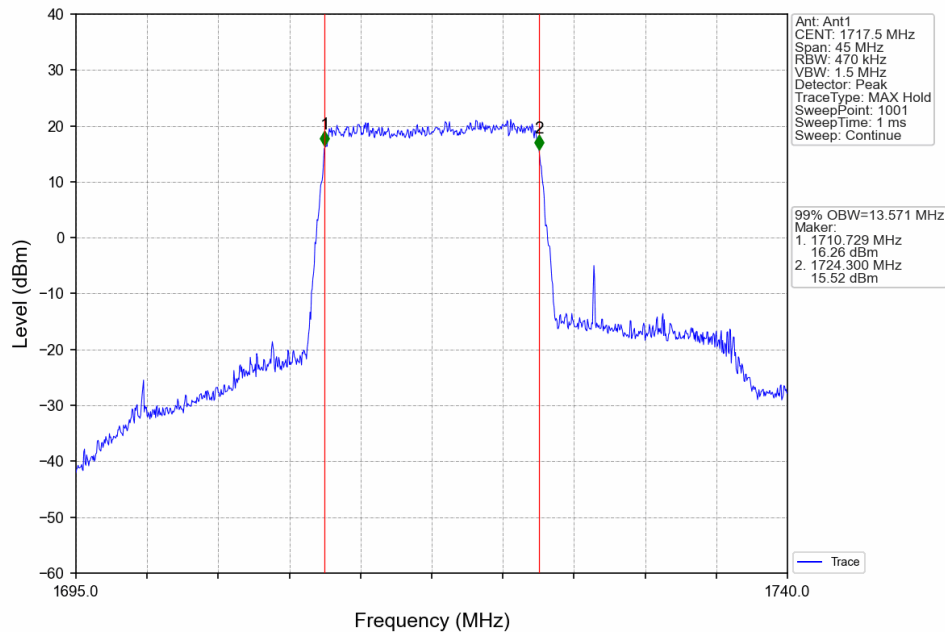
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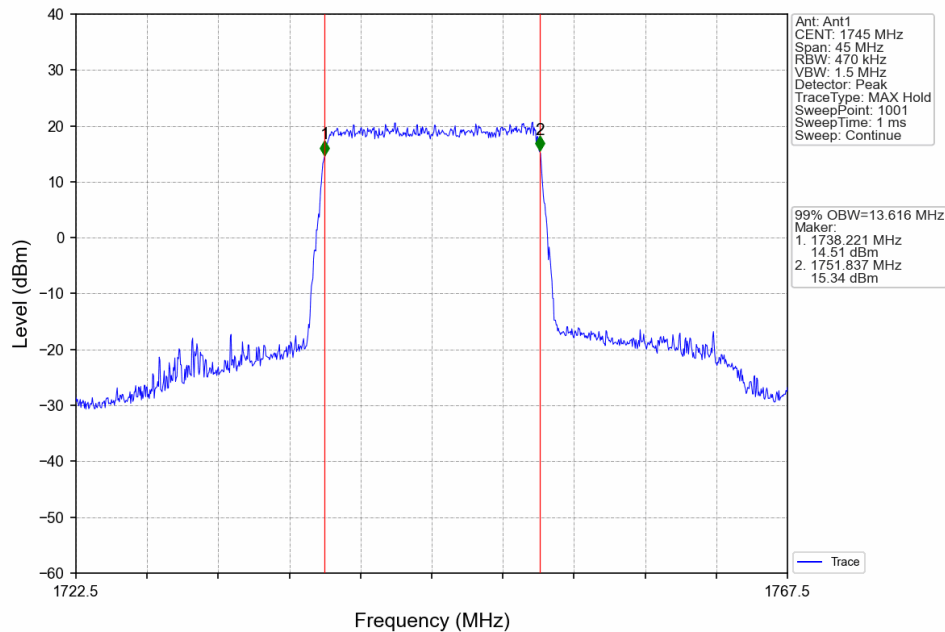


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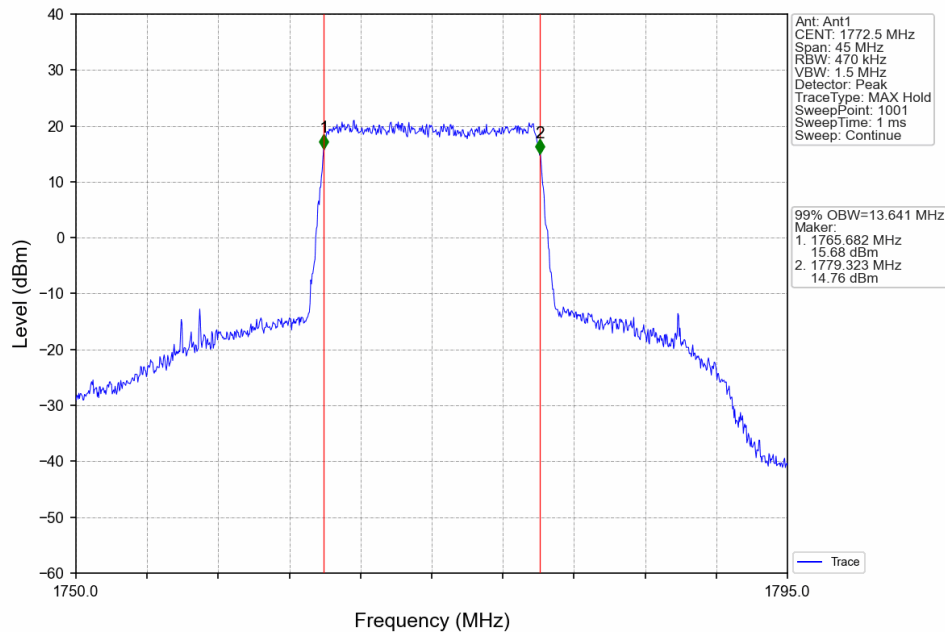
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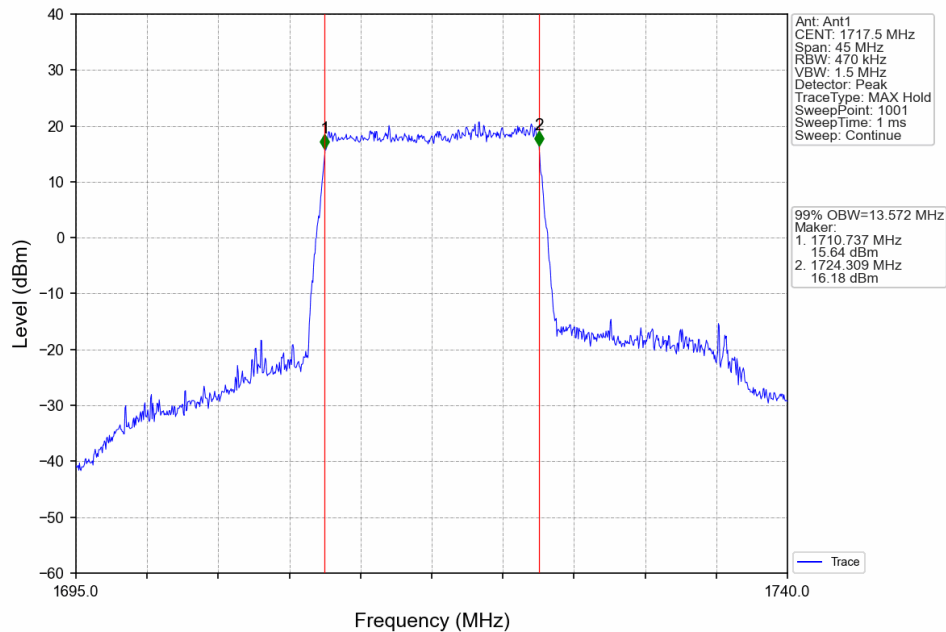
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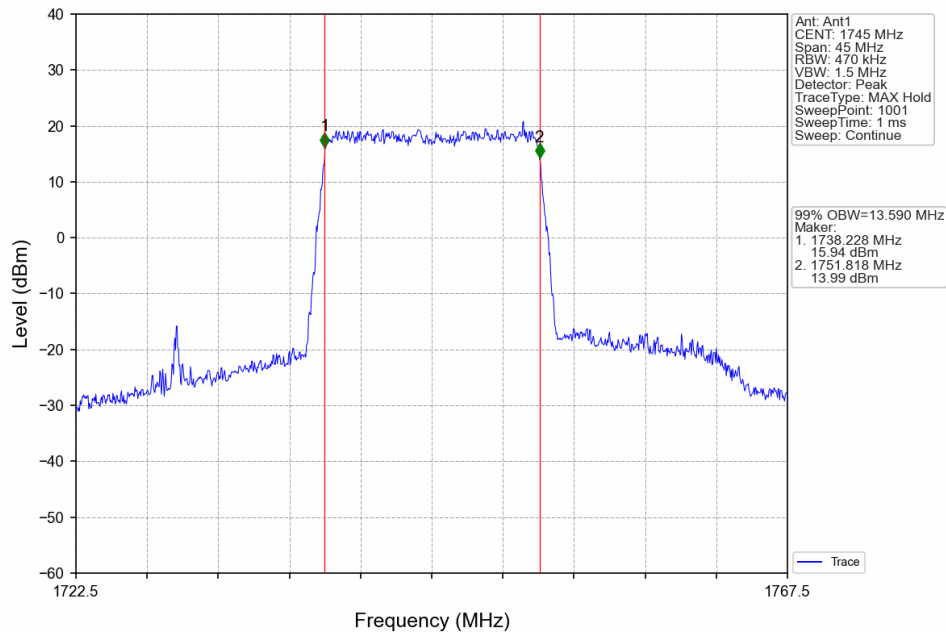
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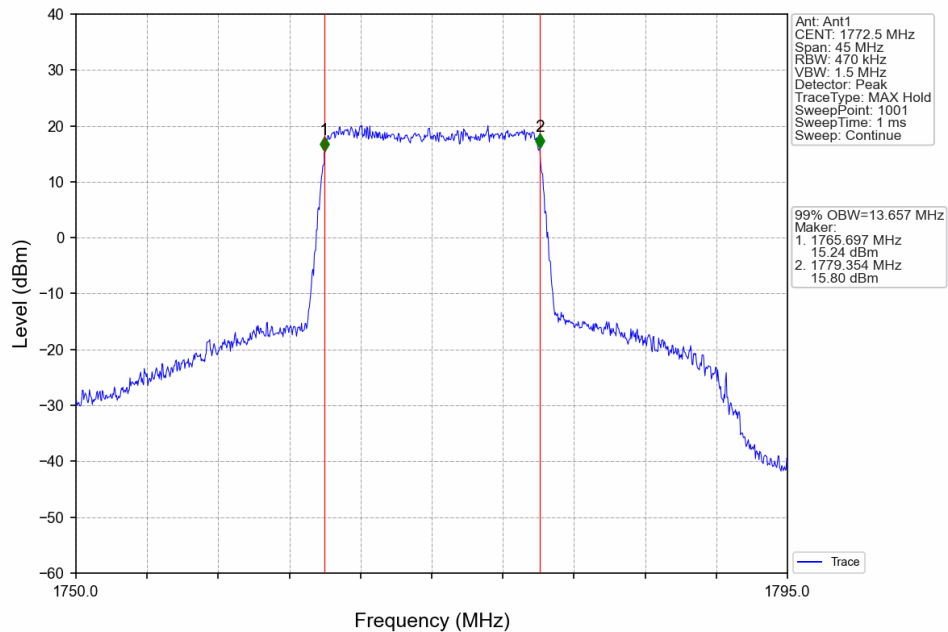


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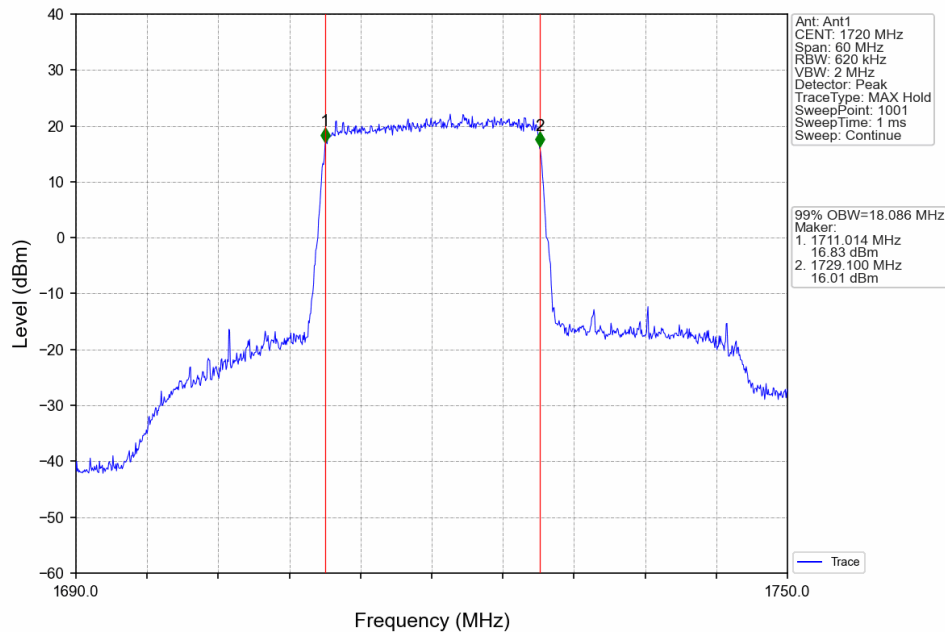
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Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



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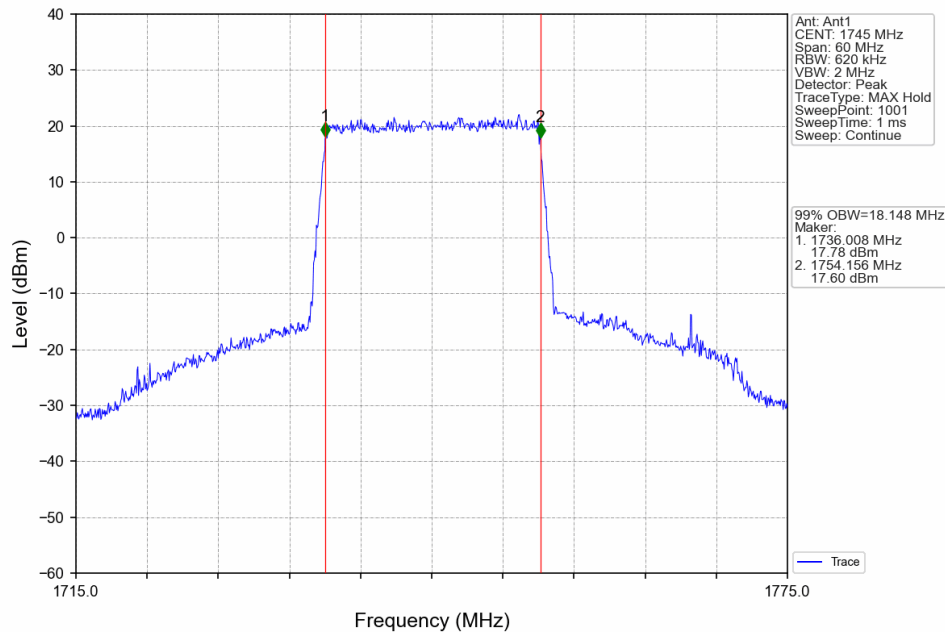
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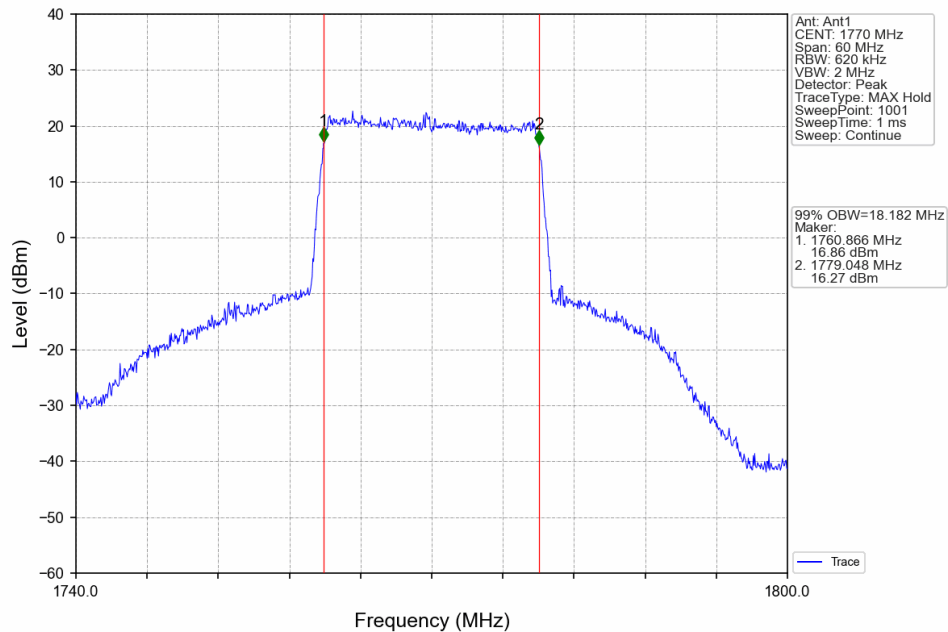
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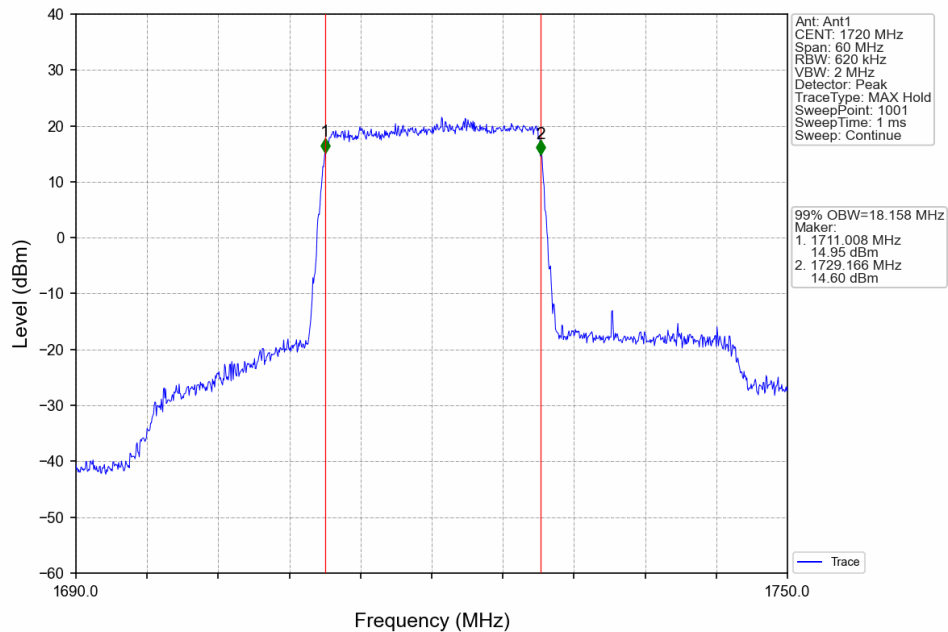
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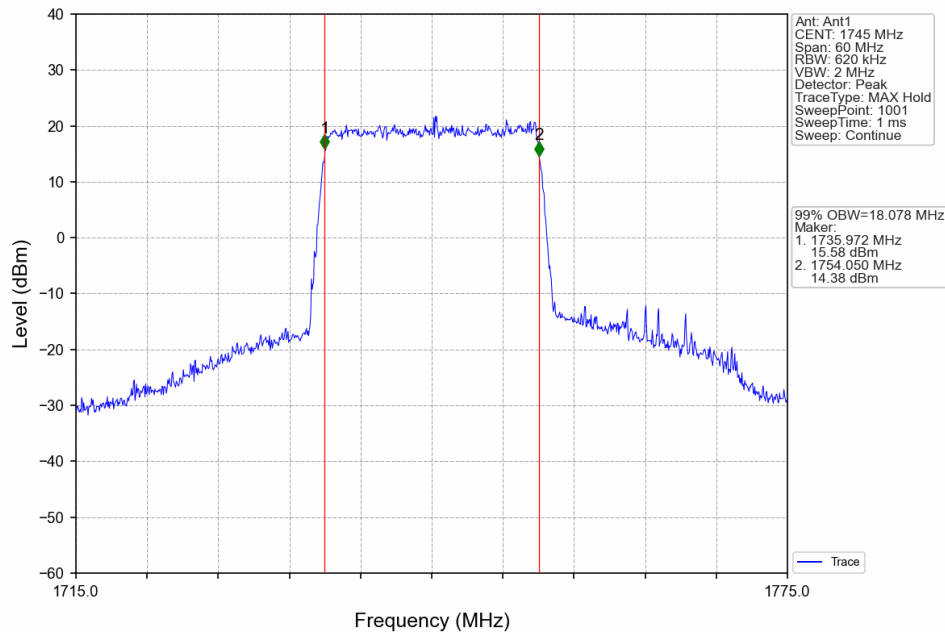
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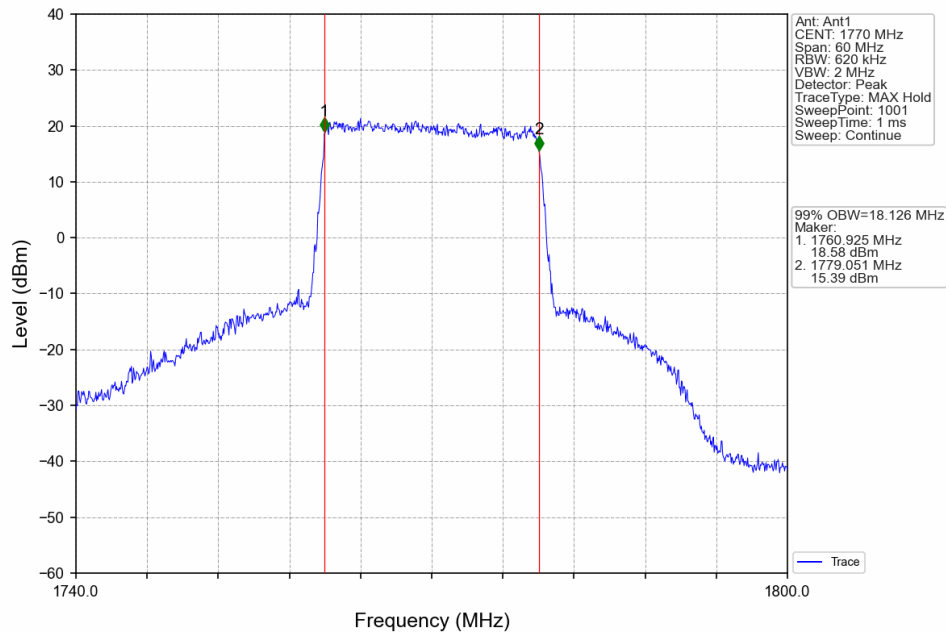
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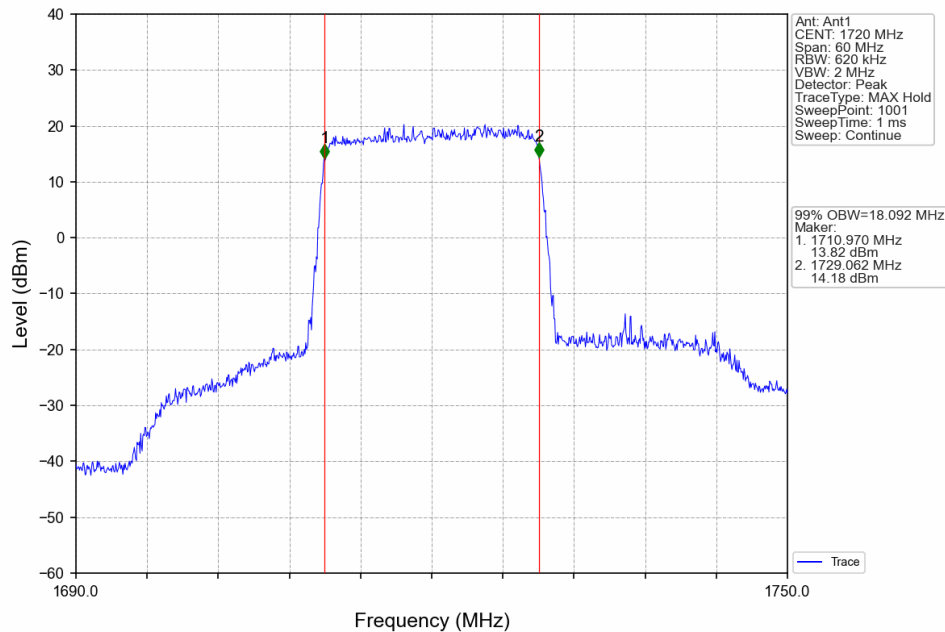
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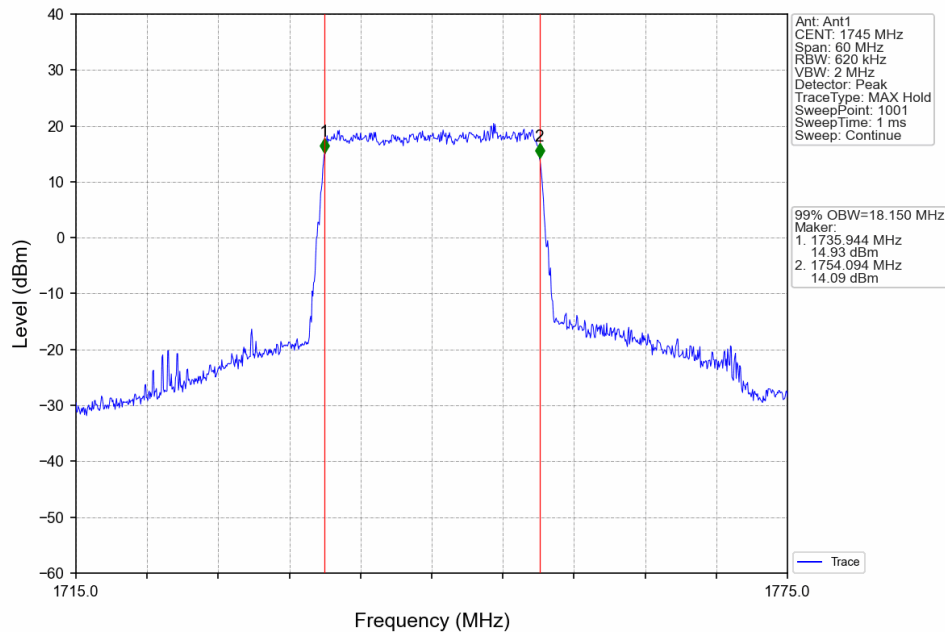
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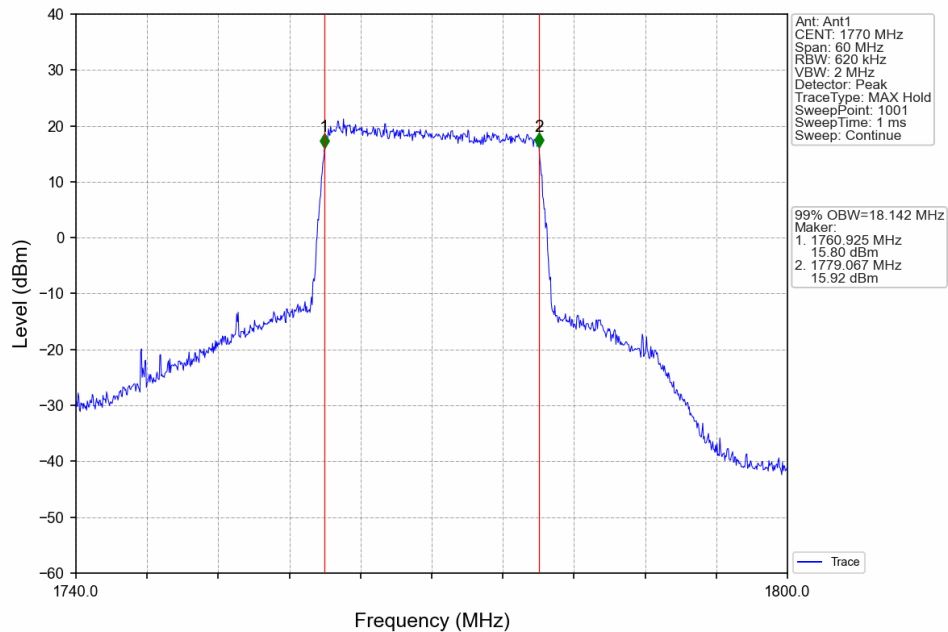
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2.2 Band66_XDB

2.2.1 Test Result

Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.258	/	Pass
		1745	6	0	1.261	/	Pass
		1779.3	6	0	1.265	/	Pass
	16QAM	1710.7	6	0	1.259	/	Pass
		1745	6	0	1.257	/	Pass
		1779.3	6	0	1.252	/	Pass
	64QAM	1710.7	6	0	1.260	/	Pass
		1745	6	0	1.262	/	Pass
		1779.3	6	0	1.266	/	Pass
3	QPSK	1711.5	15	0	3.098	/	Pass
		1745	15	0	3.048	/	Pass
		1778.5	15	0	3.060	/	Pass
	16QAM	1711.5	15	0	3.063	/	Pass
		1745	15	0	3.075	/	Pass
		1778.5	15	0	3.070	/	Pass
	64QAM	1711.5	15	0	3.055	/	Pass
		1745	15	0	3.040	/	Pass
		1778.5	15	0	3.075	/	Pass
5	QPSK	1712.5	25	0	5.036	/	Pass
		1745	25	0	5.039	/	Pass
		1777.5	25	0	5.035	/	Pass
	16QAM	1712.5	25	0	5.016	/	Pass
		1745	25	0	5.043	/	Pass
		1777.5	25	0	5.060	/	Pass
	64QAM	1712.5	25	0	5.078	/	Pass
		1745	25	0	5.054	/	Pass
		1777.5	25	0	5.061	/	Pass
10	QPSK	1715	50	0	9.988	/	Pass
		1745	50	0	10.001	/	Pass
		1775	50	0	9.979	/	Pass
	16QAM	1715	50	0	9.943	/	Pass
		1745	50	0	9.939	/	Pass
		1775	50	0	10.055	/	Pass
	64QAM	1715	50	0	9.919	/	Pass
		1745	50	0	9.937	/	Pass
		1775	50	0	9.994	/	Pass
15	QPSK	1717.5	75	0	14.960	/	Pass
		1745	75	0	14.933	/	Pass
		1772.5	75	0	14.988	/	Pass
	16QAM	1717.5	75	0	14.974	/	Pass



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Rev.: 01

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20	64QAM	1745	75	0	15.032	/	Pass
		1772.5	75	0	14.919	/	Pass
		1717.5	75	0	14.969	/	Pass
		1745	75	0	14.887	/	Pass
		1772.5	75	0	15.081	/	Pass
	QPSK	1720	100	0	19.777	/	Pass
		1745	100	0	19.883	/	Pass
		1770	100	0	19.791	/	Pass
	16QAM	1720	100	0	19.631	/	Pass
		1745	100	0	19.798	/	Pass
		1770	100	0	19.886	/	Pass
	64QAM	1720	100	0	19.899	/	Pass
		1745	100	0	19.851	/	Pass
		1770	100	0	19.657	/	Pass



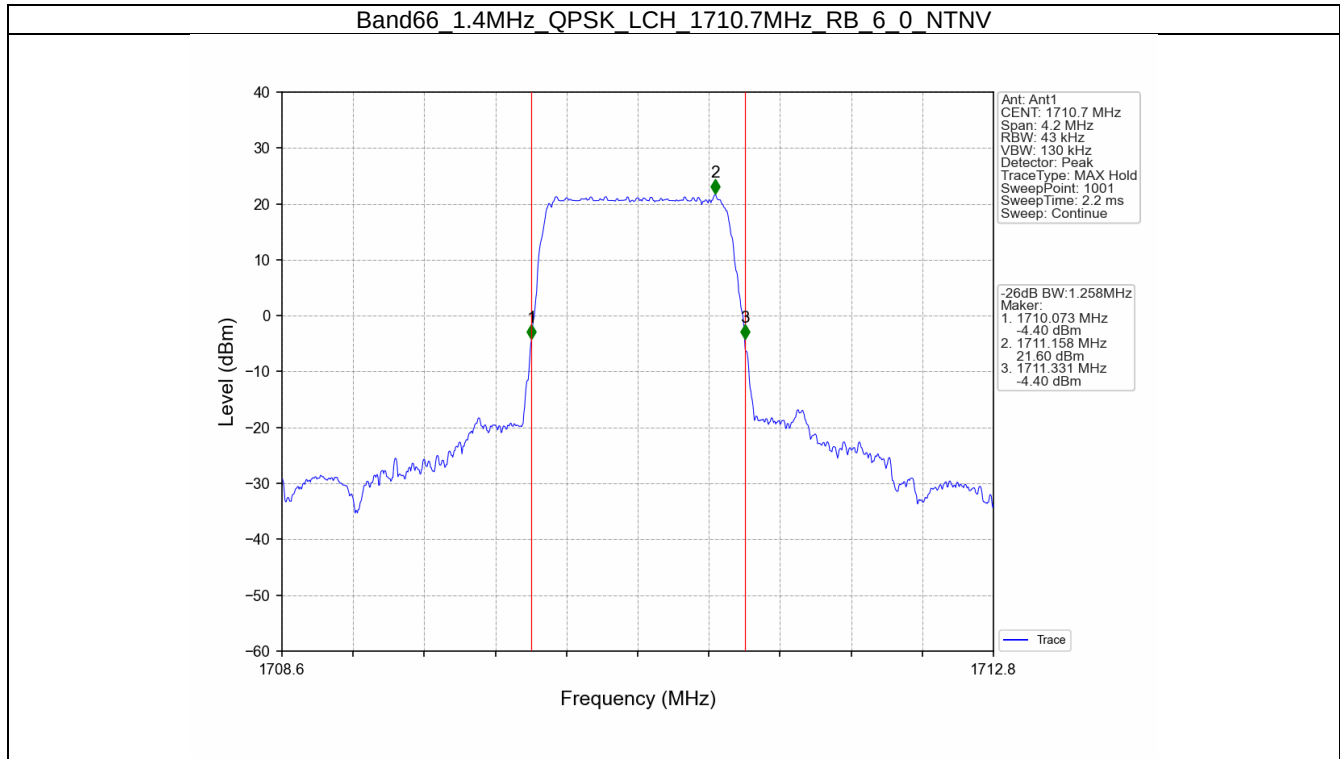
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2.2.2 Test Graph



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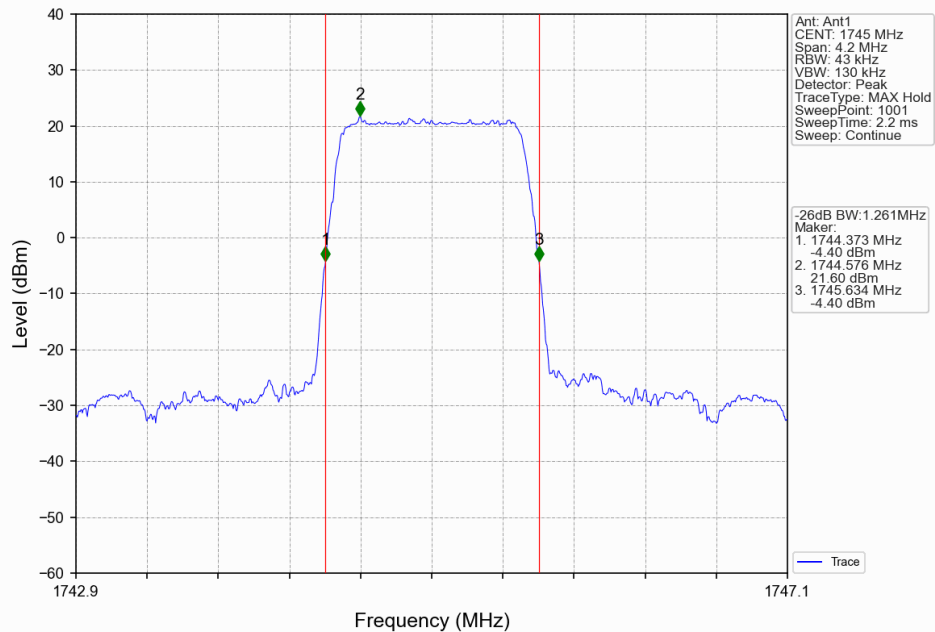
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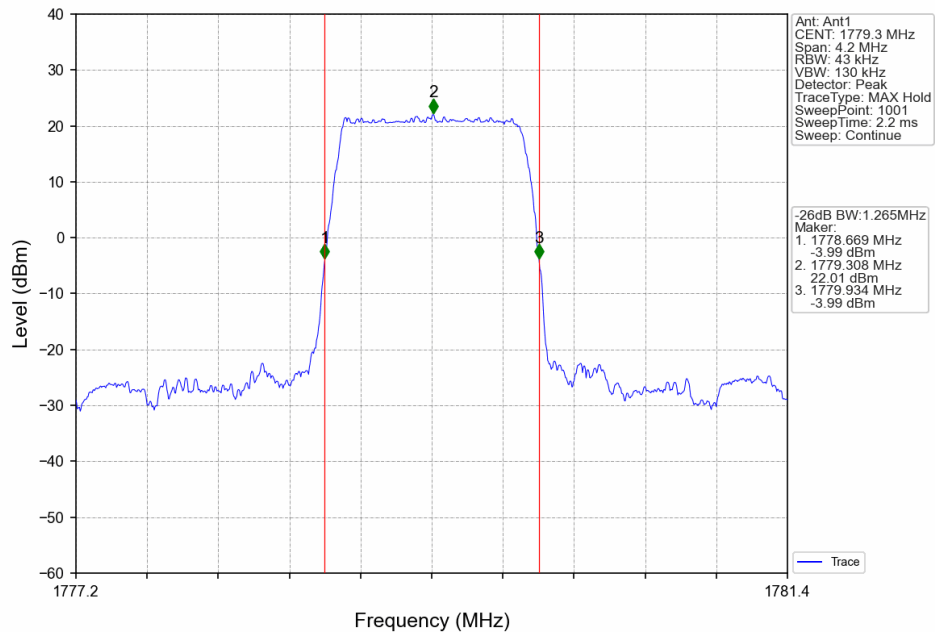
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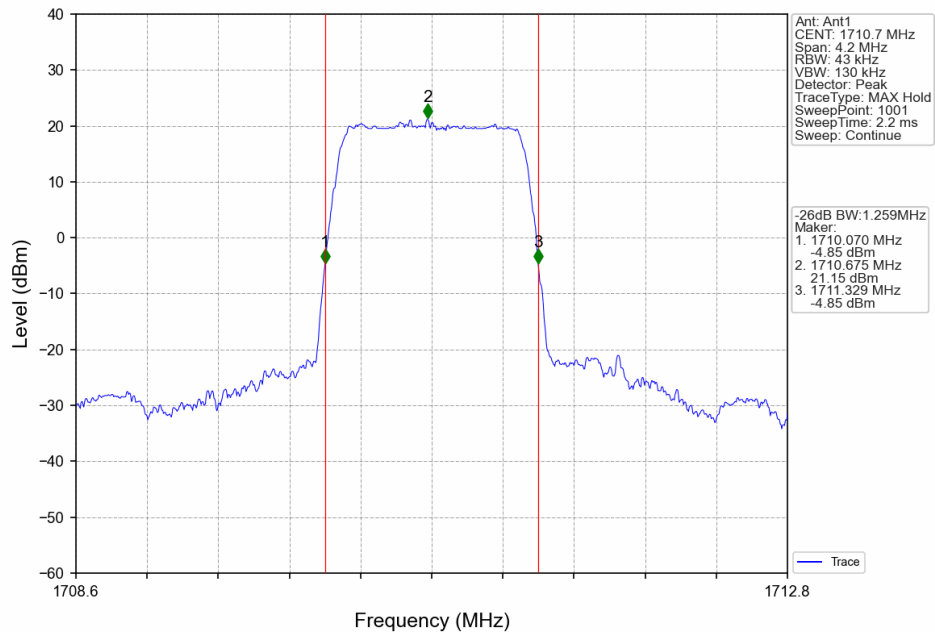
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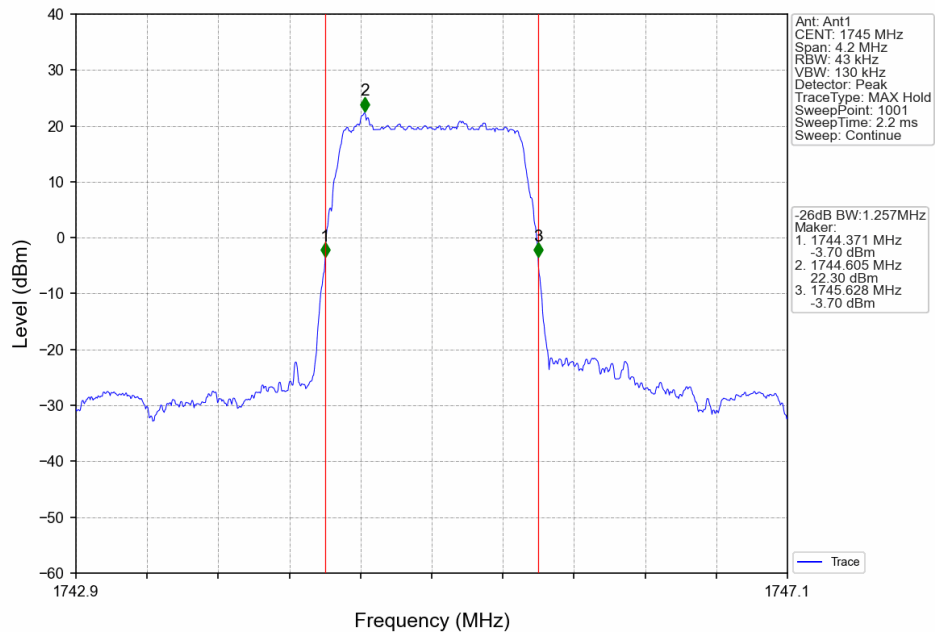
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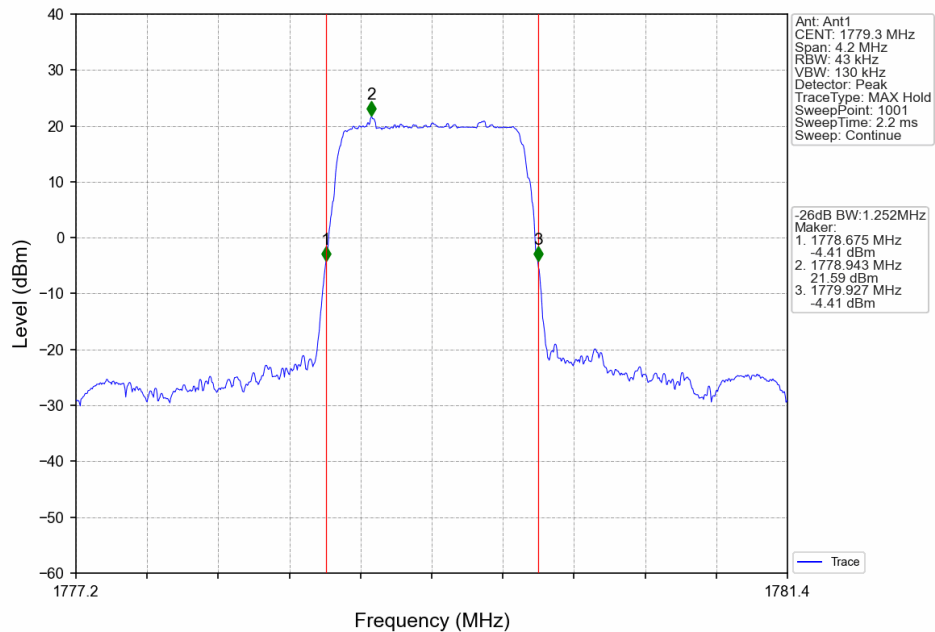
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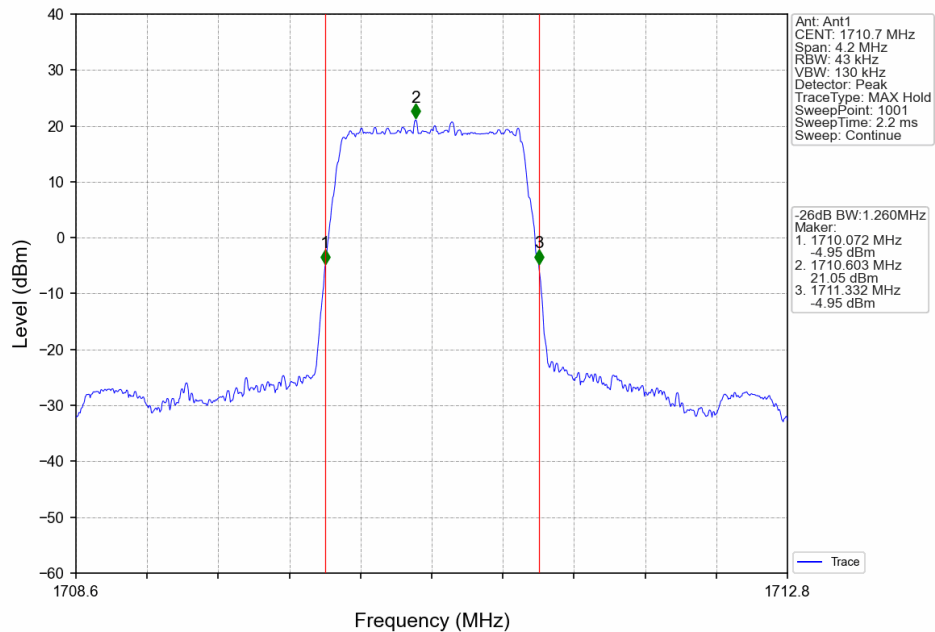
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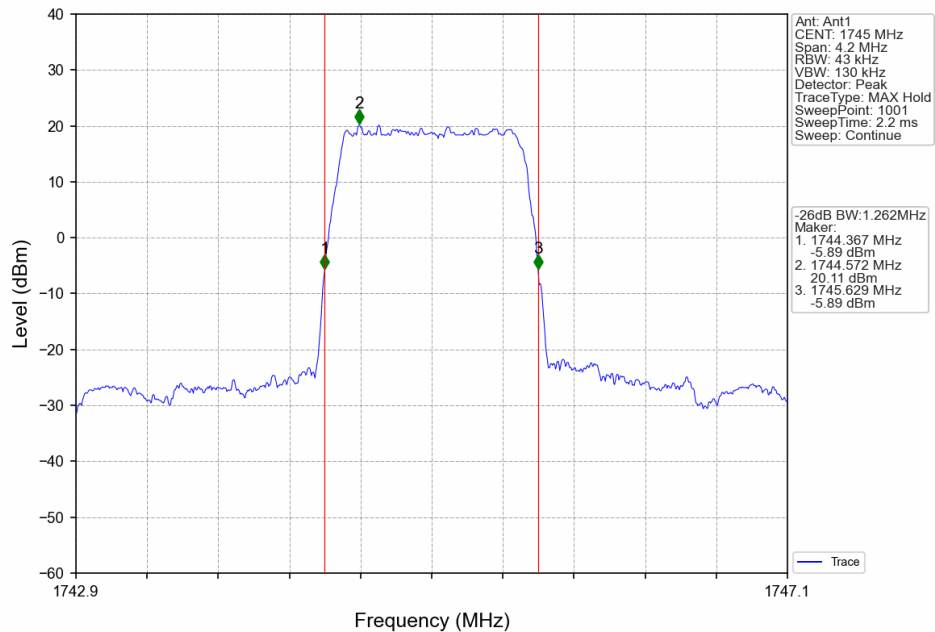
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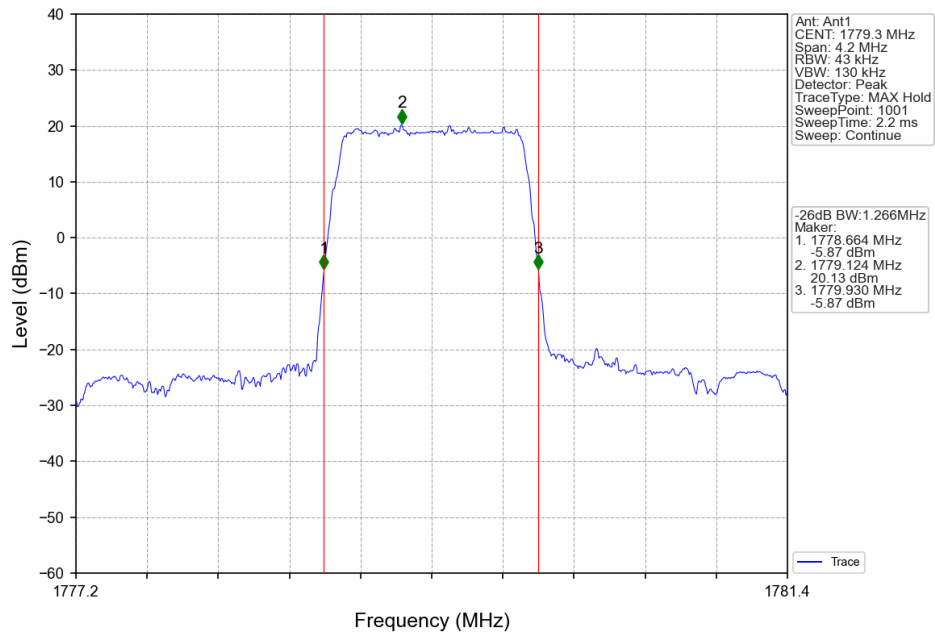
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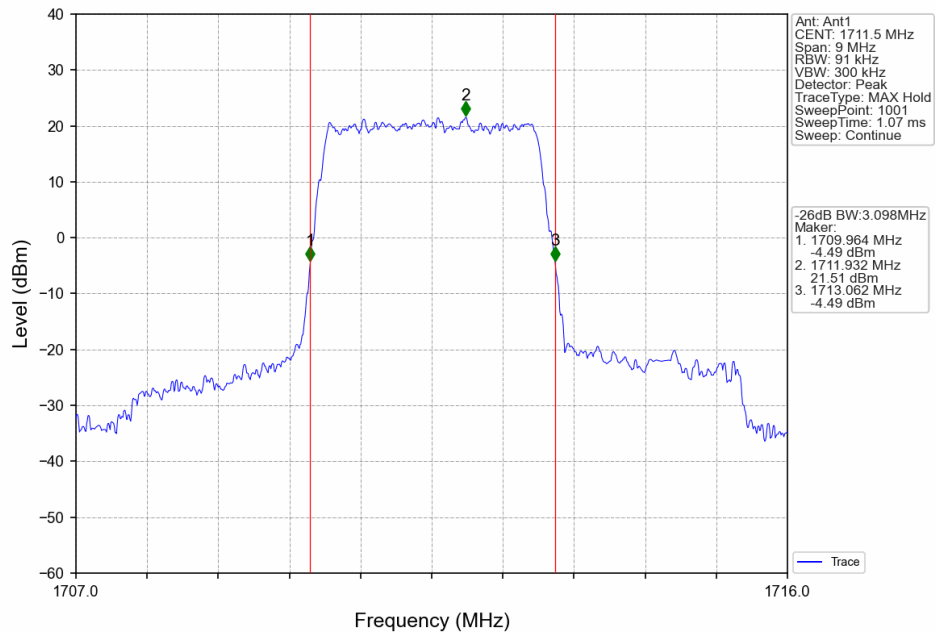
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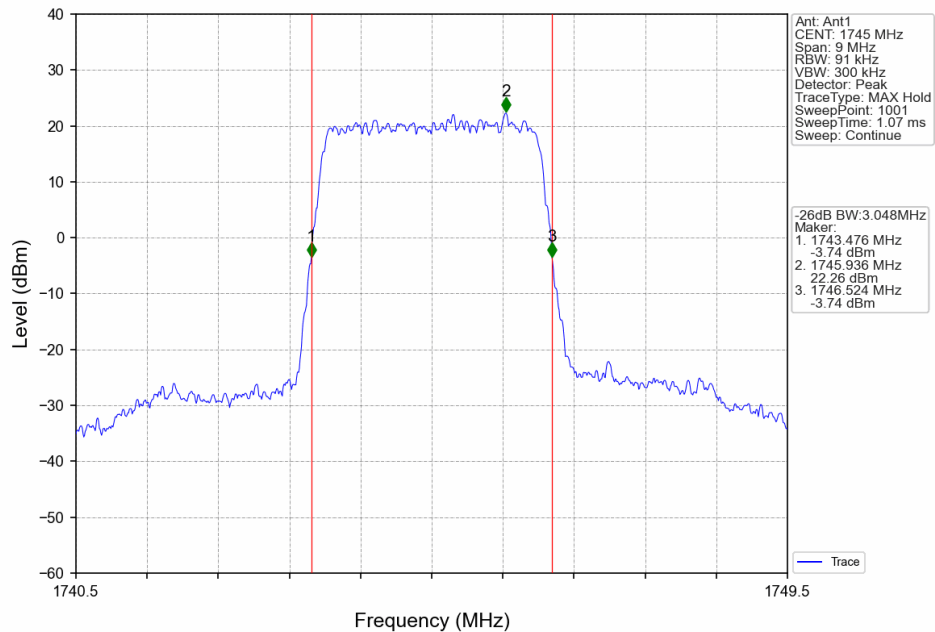
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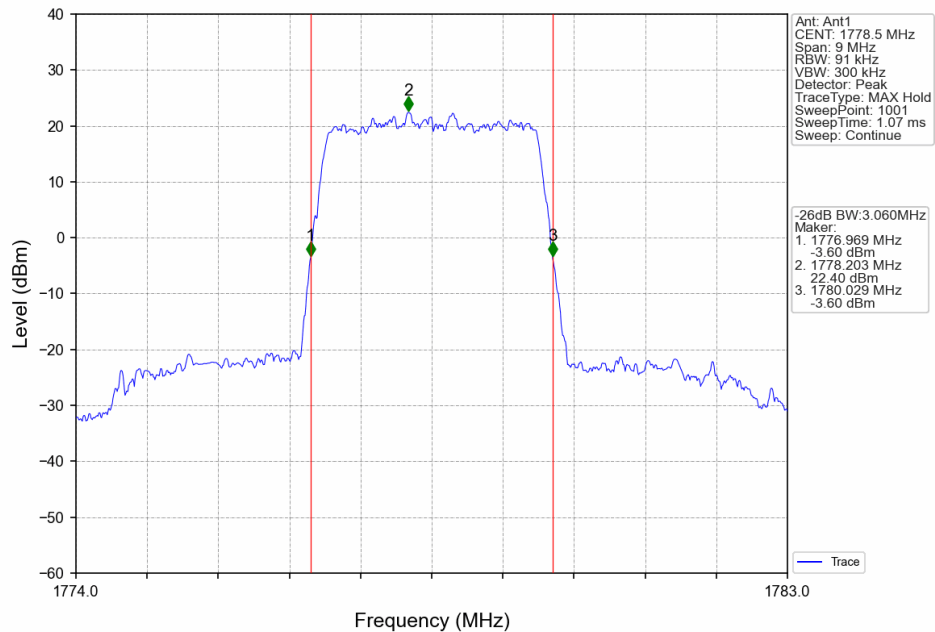
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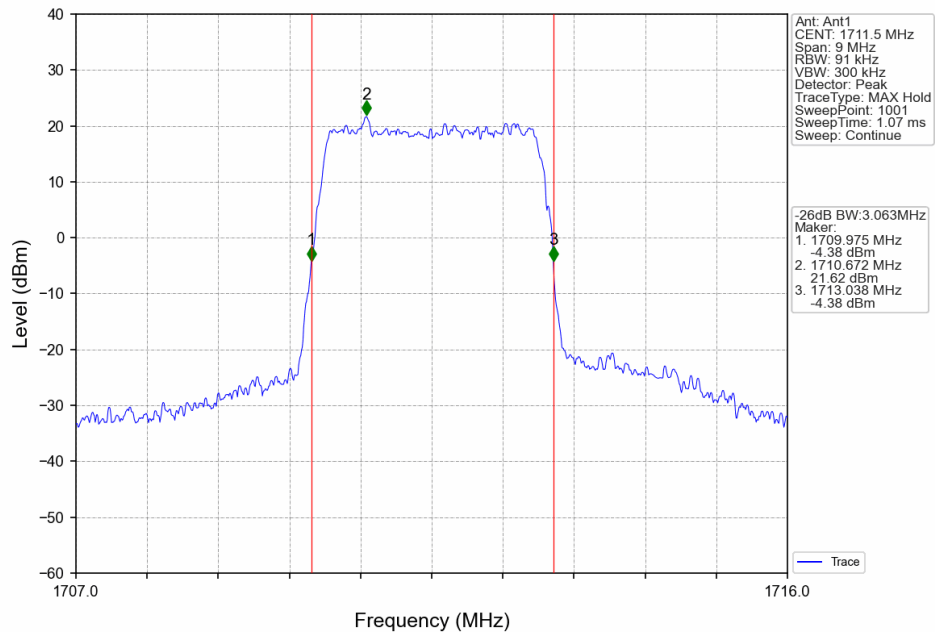
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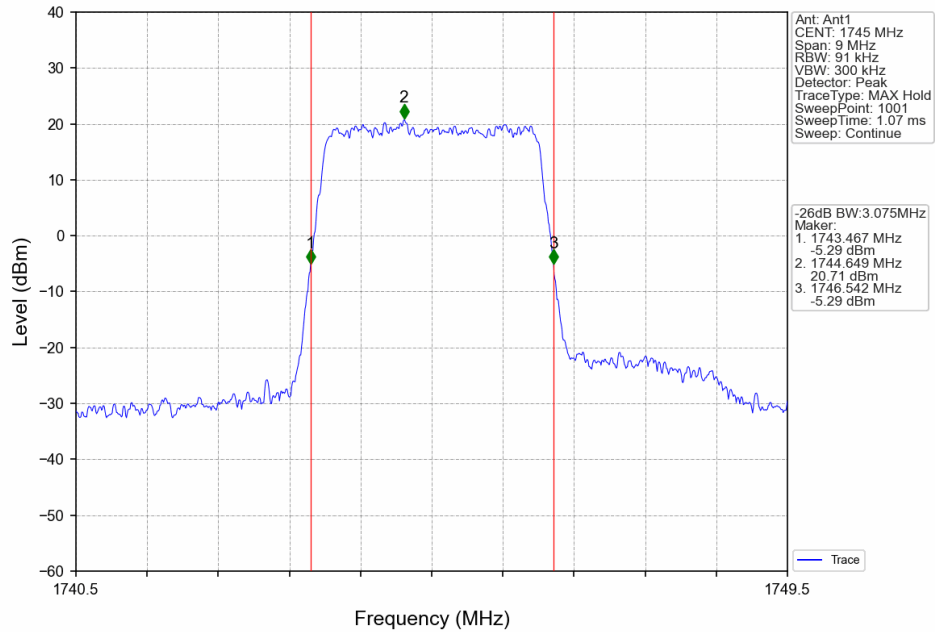
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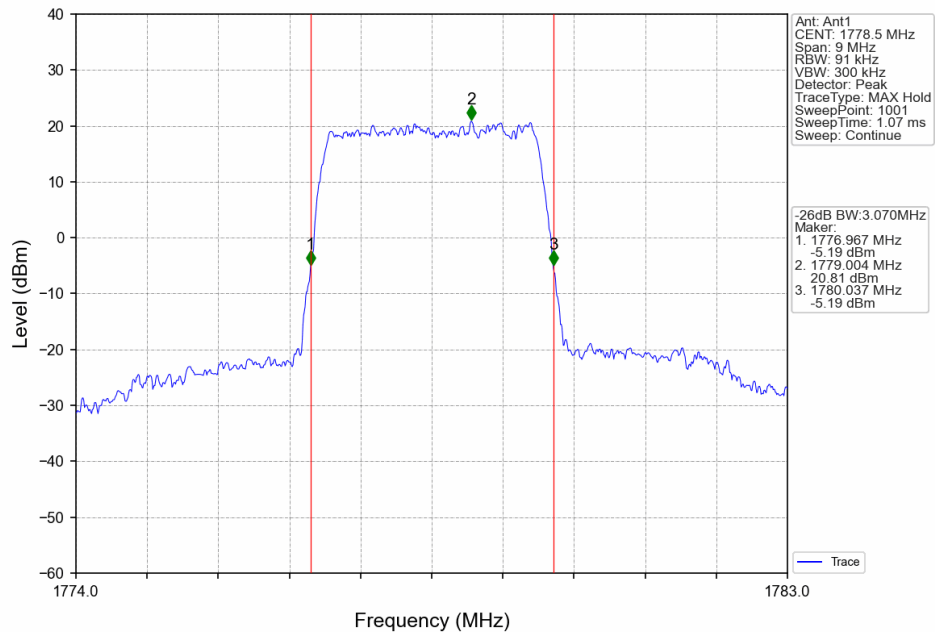
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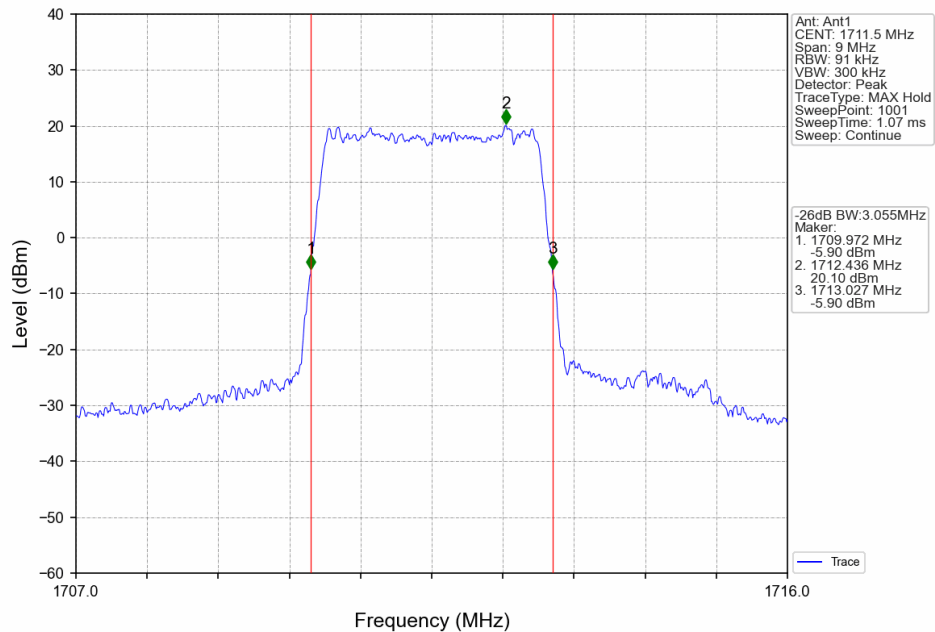
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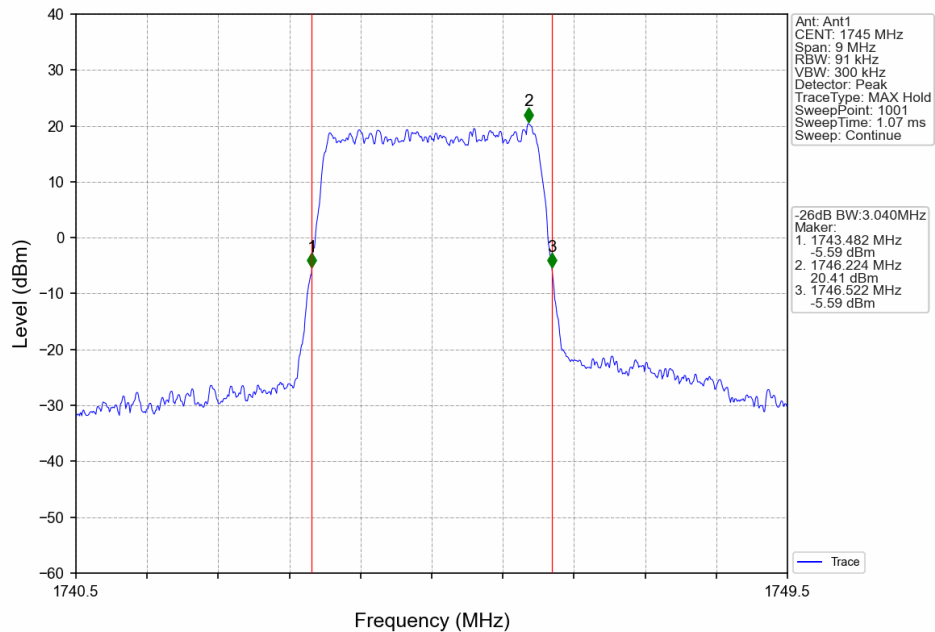
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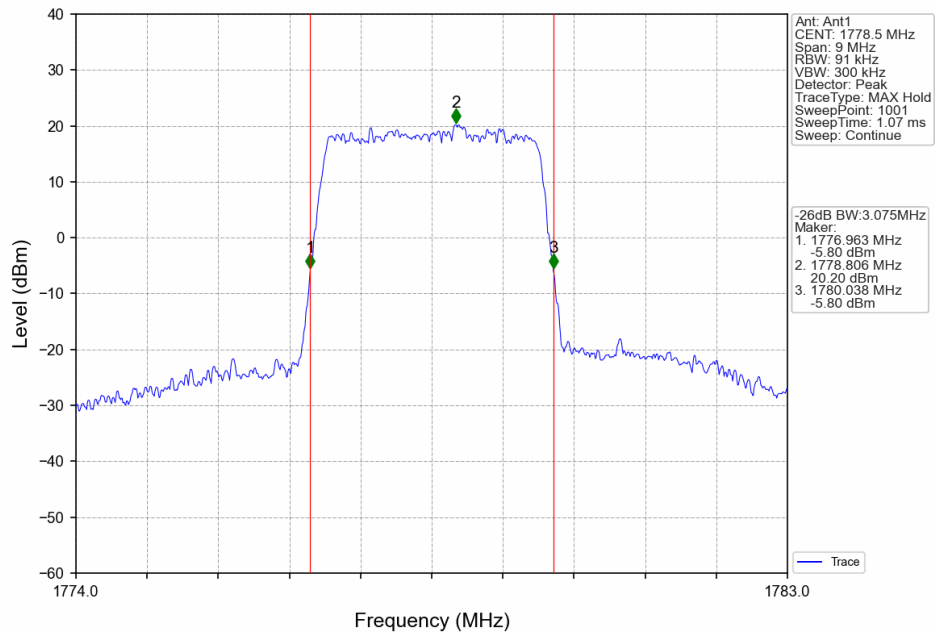
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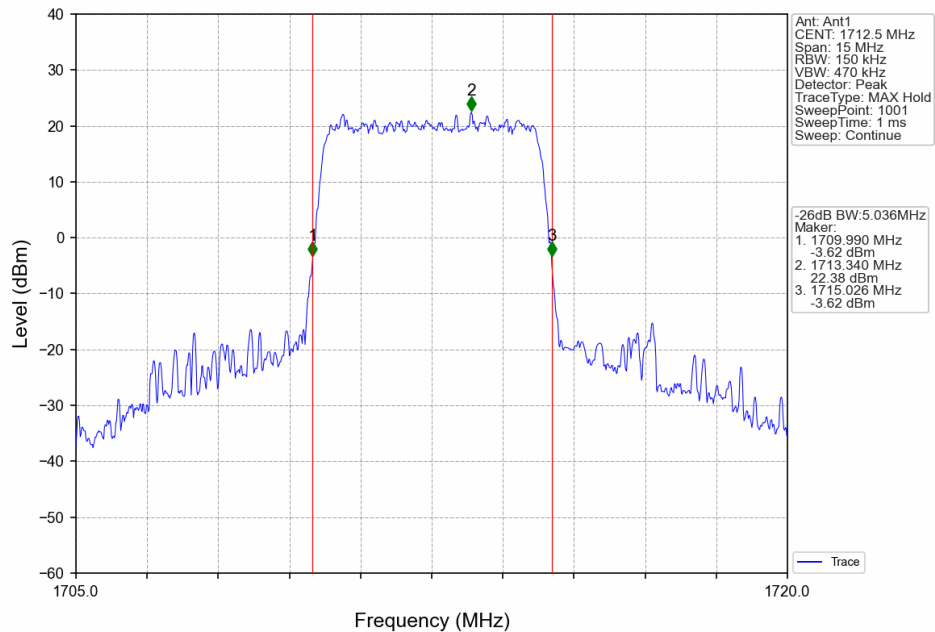
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