1. Conducted Output Power Data

1.1 B66_1.4MHz_Power

1.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1710.7	1	0	22.16	<=30	Pass
			2	22.28	<=30	Pass
			5	22.17	<=30	Pass
		3	0	22.18	<=30	Pass
			2	22.23	<=30	Pass
			3	22.22	<=30	Pass
		6	0	20.84	<=30	Pass
	1745	1	0	22.12	<=30	Pass
			2	22.25	<=30	Pass
			5	22.11	<=30	Pass
		3	0	22.25	<=30	Pass
			2	22.27	<=30	Pass
			3	22.24	<=30	Pass
		6	0	21.29	<=30	Pass
	1779.3	1	0	21.71	<=30	Pass
			2	21.81	<=30	Pass
			5	21.69	<=30	Pass
		3	0	21.66	<=30	Pass
			2	21.72	<=30	Pass
			3	21.65	<=30	Pass
		6	0	20.77	<=30	Pass
16QAM	1710.7	1	0	20.64	<=30	Pass
			2	20.78	<=30	Pass
			5	20.69	<=30	Pass
		3	0	20.77	<=30	Pass
			2	20.80	<=30	Pass
			3	20.76	<=30	Pass
		6	0	19.63	<=30	Pass
	1745	1	0	21.18	<=30	Pass
			2	21.26	<=30	Pass
			5	21.17	<=30	Pass
		3	0	21.27	<=30	Pass
			2	20.99	<=30	Pass
			3	20.95	<=30	Pass
		6	0	19.77	<=30	Pass
	1779.3	1	0	20.65	<=30	Pass
			2	20.74	<=30	Pass
			5	20.67	<=30	Pass
		3	0	20.71	<=30	Pass
			2	20.74	<=30	Pass
			3	20.72	<=30	Pass
		6	0	19.64	<=30	Pass

1.2 B66_3MHz_Power

1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1711.5	1	0	22.25	<=30	Pass
			7	21.86	<=30	Pass
			14	21.74	<=30	Pass
		8	0	20.77	<=30	Pass
			4	20.78	<=30	Pass
			7	20.77	<=30	Pass
		15	0	20.71	<=30	Pass
	1745	1	0	21.74	<=30	Pass
			7	21.90	<=30	Pass
			14	21.74	<=30	Pass
		8	0	20.77	<=30	Pass
			4	20.79	<=30	Pass
			7	20.75	<=30	Pass
		15	0	20.74	<=30	Pass
	1778.5	1	0	21.72	<=30	Pass
			7	21.81	<=30	Pass
			14	21.65	<=30	Pass
		8	0	20.68	<=30	Pass
			4	20.74	<=30	Pass
			7	20.72	<=30	Pass
		15	0	20.66	<=30	Pass
16QAM	1711.5	1	0	20.73	<=30	Pass
			7	20.87	<=30	Pass
			14	20.70	<=30	Pass
		8	0	19.76	<=30	Pass
			4	19.77	<=30	Pass
			7	19.75	<=30	Pass
		15	0	19.70	<=30	Pass
	1745	1	0	20.88	<=30	Pass
			7	21.03	<=30	Pass
			14	20.86	<=30	Pass
		8	0	19.74	<=30	Pass
			4	19.74	<=30	Pass
			7	19.65	<=30	Pass
		15	0	19.67	<=30	Pass
	1778.5	1	0	21.18	<=30	Pass
			7	21.29	<=30	Pass
			14	21.16	<=30	Pass
		8	0	19.75	<=30	Pass
			4	19.81	<=30	Pass
			7	19.79	<=30	Pass
		15	0	19.63	<=30	Pass

1.3 B66_5MHz_Power

1.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1712.5	1	0	22.12	<=30	Pass
			13	22.26	<=30	Pass
			24	22.16	<=30	Pass
		12	0	21.18	<=30	Pass
			6	21.26	<=30	Pass
			13	21.18	<=30	Pass
		25	0	21.20	<=30	Pass
	1745	1	0	22.13	<=30	Pass
			13	21.82	<=30	Pass
			24	21.65	<=30	Pass
		12	0	20.70	<=30	Pass
			6	20.77	<=30	Pass
			13	20.69	<=30	Pass
		25	0	20.69	<=30	Pass
	1777.5	1	0	21.63	<=30	Pass
			13	21.71	<=30	Pass
			24	21.61	<=30	Pass
		12	0	20.64	<=30	Pass
			6	20.71	<=30	Pass
			13	20.69	<=30	Pass
		25	0	20.65	<=30	Pass
16QAM	1712.5	1	0	21.01	<=30	Pass
			13	21.12	<=30	Pass
			24	20.98	<=30	Pass
		12	0	20.00	<=30	Pass
			6	20.12	<=30	Pass
			13	19.79	<=30	Pass
		25	0	19.67	<=30	Pass
	1745	1	0	20.77	<=30	Pass
			13	20.89	<=30	Pass
			24	20.76	<=30	Pass
		12	0	19.69	<=30	Pass
			6	19.76	<=30	Pass
			13	19.65	<=30	Pass
		25	0	19.69	<=30	Pass
	1777.5	1	0	20.84	<=30	Pass
			13	20.94	<=30	Pass
			24	20.81	<=30	Pass
		12	0	19.60	<=30	Pass
			6	19.68	<=30	Pass
			13	19.65	<=30	Pass
		25	0	19.57	<=30	Pass

1.4 B66_10MHz_Power

1.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1715	1	0	22.19	<=30	Pass
			25	22.39	<=30	Pass
			49	22.24	<=30	Pass
		25	0	21.27	<=30	Pass
			13	21.27	<=30	Pass
			25	21.25	<=30	Pass
		50	0	21.23	<=30	Pass
	1745	1	0	22.23	<=30	Pass
			25	22.25	<=30	Pass
			49	22.21	<=30	Pass
		25	0	21.30	<=30	Pass
			13	21.30	<=30	Pass
			25	21.20	<=30	Pass
		50	0	21.22	<=30	Pass
	1775	1	0	21.77	<=30	Pass
			25	21.85	<=30	Pass
			49	21.72	<=30	Pass
		25	0	20.72	<=30	Pass
			13	20.76	<=30	Pass
			25	20.80	<=30	Pass
		50	0	20.72	<=30	Pass
16QAM	1715	1	0	21.38	<=30	Pass
			25	21.53	<=30	Pass
			49	21.39	<=30	Pass
		25	0	20.25	<=30	Pass
			13	20.24	<=30	Pass
			25	20.10	<=30	Pass
		50	0	19.89	<=30	Pass
	1745	1	0	21.72	<=30	Pass
			25	21.75	<=30	Pass
			49	21.53	<=30	Pass
		25	0	20.05	<=30	Pass
			13	20.29	<=30	Pass
			25	20.05	<=30	Pass
		50	0	20.22	<=30	Pass
	1775	1	0	20.74	<=30	Pass
			25	20.84	<=30	Pass
			49	20.64	<=30	Pass
		25	0	19.70	<=30	Pass
			13	19.75	<=30	Pass
			25	19.79	<=30	Pass
		50	0	19.67	<=30	Pass

1.5 B66_15MHz_Power

1.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1717.5	1	0	22.18	<=30	Pass
			38	21.80	<=30	Pass
			74	21.66	<=30	Pass
		36	0	20.82	<=30	Pass
			18	20.84	<=30	Pass
			39	20.85	<=30	Pass
		75	0	20.86	<=30	Pass
	1745	1	0	21.75	<=30	Pass
			38	21.79	<=30	Pass
			74	21.64	<=30	Pass
		36	0	20.88	<=30	Pass
			18	20.85	<=30	Pass
			39	20.71	<=30	Pass
		75	0	20.86	<=30	Pass
	1772.5	1	0	21.73	<=30	Pass
			38	21.72	<=30	Pass
			74	21.57	<=30	Pass
		36	0	20.81	<=30	Pass
			18	20.82	<=30	Pass
			39	20.82	<=30	Pass
		75	0	20.82	<=30	Pass
16QAM	1717.5	1	0	21.02	<=30	Pass
			38	21.10	<=30	Pass
			74	20.91	<=30	Pass
		36	0	19.78	<=30	Pass
			18	19.77	<=30	Pass
			39	19.76	<=30	Pass
		75	0	19.75	<=30	Pass
	1745	1	0	20.84	<=30	Pass
			38	20.90	<=30	Pass
			74	20.77	<=30	Pass
		36	0	19.83	<=30	Pass
			18	19.83	<=30	Pass
			39	19.70	<=30	Pass
		75	0	19.77	<=30	Pass
	1772.5	1	0	21.22	<=30	Pass
			38	21.24	<=30	Pass
			74	21.05	<=30	Pass
		36	0	19.78	<=30	Pass
			18	19.78	<=30	Pass
			39	19.81	<=30	Pass
		75	0	19.75	<=30	Pass

1.6 B66_20MHz_Power

1.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1720	1	0	21.55	<=30	Pass
			50	21.95	<=30	Pass
			99	21.55	<=30	Pass
		50	0	20.80	<=30	Pass
			25	20.80	<=30	Pass
			50	20.80	<=30	Pass
		100	0	20.82	<=30	Pass
	1745	1	0	21.63	<=30	Pass
			50	21.96	<=30	Pass
			99	21.55	<=30	Pass
		50	0	20.88	<=30	Pass
			25	20.82	<=30	Pass
			50	20.61	<=30	Pass
		100	0	20.76	<=30	Pass
	1770	1	0	21.58	<=30	Pass
			50	21.82	<=30	Pass
			99	21.43	<=30	Pass
		50	0	20.77	<=30	Pass
			25	20.75	<=30	Pass
			50	20.80	<=30	Pass
		100	0	20.77	<=30	Pass
16QAM	1720	1	0	21.04	<=30	Pass
			50	21.40	<=30	Pass
			99	20.99	<=30	Pass
		50	0	19.71	<=30	Pass
			25	19.74	<=30	Pass
			50	19.70	<=30	Pass
		100	0	19.77	<=30	Pass
	1745	1	0	20.76	<=30	Pass
			50	21.05	<=30	Pass
			99	20.72	<=30	Pass
		50	0	19.88	<=30	Pass
			25	19.73	<=30	Pass
			50	19.55	<=30	Pass
		100	0	19.75	<=30	Pass
	1770	1	0	20.80	<=30	Pass
			50	21.07	<=30	Pass
			99	20.67	<=30	Pass
		50	0	19.70	<=30	Pass
			25	19.70	<=30	Pass
			50	19.71	<=30	Pass
		100	0	19.69	<=30	Pass

2. Frequency Stability

2.1 B66_1.4MHz

2.1.1 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	3.27	-13.404	-0.0078	-2.5 to 2.5	Pass
					3.85	4.091	0.0024	-2.5 to 2.5	Pass
					4.43	9.069	0.0053	-2.5 to 2.5	Pass
				-30	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-5.980	-0.0035	-2.5 to 2.5	Pass
				0	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-5.608	-0.0033	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	-33.674	-0.0193	-2.5 to 2.5	Pass
					3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
					4.43	-2.933	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				0	3.85	3.304	0.0019	-2.5 to 2.5	Pass
				10	3.85	-8.054	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-117.302	-0.0659	-2.5 to 2.5	Pass
					3.85	24.734	0.0139	-2.5 to 2.5	Pass
					4.43	6.795	0.0038	-2.5 to 2.5	Pass
				-30	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-6.852	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-8.855	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-4.992	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-11.659	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-12.302	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-11.945	-0.0067	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-4.649	-0.0027	-2.5 to 2.5	Pass
					3.85	-10.114	-0.0059	-2.5 to 2.5	Pass
					4.43	-12.374	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-9.441	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-9.599	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-12.259	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-6.394	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-8.125	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-11.072	-0.0065	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	3.219	0.0018	-2.5 to 2.5	Pass
					3.85	-0.043	0.0000	-2.5 to 2.5	Pass
					4.43	0.787	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-8.111	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	1.101	0.0006	-2.5 to 2.5	Pass

				-10	3.85	-7.253	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				10	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				30	3.85	-8.225	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-9.069	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-13.118	-0.0075	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-7.524	-0.0042	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
					4.43	-14.720	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-13.661	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-9.670	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	29.812	0.0168	-2.5 to 2.5	Pass
				0	3.85	-7.668	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-8.111	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-7.467	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-10.672	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-10.142	-0.0057	-2.5 to 2.5	Pass

2.2 B66_3MHz

2.2.1 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	3.27	-24.004	-0.0140	-2.5 to 2.5	Pass
					3.85	14.434	0.0084	-2.5 to 2.5	Pass
					4.43	3.247	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-4.106	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-8.354	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-10.357	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-11.187	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-3.519	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.645	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	-39.439	-0.0226	-2.5 to 2.5	Pass
					3.85	1.230	0.0007	-2.5 to 2.5	Pass
					4.43	3.147	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-15.078	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.174	0.0012	-2.5 to 2.5	Pass
				30	3.85	-8.354	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				50	3.85	2.675	0.0015	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-49.224	-0.0277	-2.5 to 2.5	Pass
					3.85	-9.527	-0.0054	-2.5 to 2.5	Pass
					4.43	-8.583	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-4.678	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-9.356	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-9.885	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-11.930	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-12.789	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-9.055	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-12.231	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-9.012	-0.0051	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-2.918	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
					4.43	-16.093	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-11.101	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-12.732	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-13.990	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-6.695	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-8.726	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-8.998	-0.0053	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	0.916	0.0005	-2.5 to 2.5	Pass
					3.85	-6.695	-0.0038	-2.5 to 2.5	Pass
					4.43	-6.351	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-10.414	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-7.024	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass

				30	3.85	-7.253	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-6.752	-0.0038	-2.5 to 2.5	Pass
					3.85	-11.401	-0.0064	-2.5 to 2.5	Pass
					4.43	-5.608	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-8.726	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-10.099	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-3.819	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-11.816	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-11.644	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-8.225	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-6.938	-0.0039	-2.5 to 2.5	Pass

2.3 B66_5MHz

2.3.1 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	3.27	-19.612	-0.0115	-2.5 to 2.5	Pass
					3.85	4.978	0.0029	-2.5 to 2.5	Pass
					4.43	0.286	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-4.220	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-7.839	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-2.532	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-3.862	-0.0023	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	-26.650	-0.0153	-2.5 to 2.5	Pass
					3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
					4.43	7.868	0.0045	-2.5 to 2.5	Pass
				-30	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				0	3.85	-6.537	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-7.381	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-5.479	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-8.812	-0.0050	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-38.724	-0.0218	-2.5 to 2.5	Pass
					3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.159	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-4.148	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-5.350	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	-7.539	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-9.785	-0.0055	-2.5 to 2.5	Pass
				40	3.85	2.961	0.0017	-2.5 to 2.5	Pass
				50	3.85	-7.010	-0.0039	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	2.131	0.0012	-2.5 to 2.5	Pass
					3.85	-9.441	-0.0055	-2.5 to 2.5	Pass
					4.43	-9.241	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-9.670	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-5.422	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-5.593	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-7.868	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-8.340	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	2.389	0.0014	-2.5 to 2.5	Pass
					3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
					4.43	-12.217	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-7.052	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-6.537	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-12.746	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-9.027	-0.0052	-2.5 to 2.5	Pass

				30	3.85	-7.381	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-5.836	-0.0033	-2.5 to 2.5	Pass
					3.85	-14.162	-0.0080	-2.5 to 2.5	Pass
					4.43	-9.184	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-7.024	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-9.069	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-10.386	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-3.419	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-6.924	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-5.622	-0.0032	-2.5 to 2.5	Pass

2.4 B66_10MHz

2.4.1 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	3.27	-18.811	-0.0110	-2.5 to 2.5	Pass
					3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
					4.43	-2.089	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-6.394	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-1.631	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-3.977	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-7.582	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.107	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-7.882	-0.0046	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	-19.412	-0.0111	-2.5 to 2.5	Pass
					3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
					4.43	-4.005	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-6.180	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	-18.067	-0.0102	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0020	-2.5 to 2.5	Pass
					4.43	2.990	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-7.095	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-32.587	-0.0184	-2.5 to 2.5	Pass
				-10	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-7.567	-0.0043	-2.5 to 2.5	Pass
				10	3.85	8.855	0.0050	-2.5 to 2.5	Pass
				30	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				40	3.85	7.081	0.0040	-2.5 to 2.5	Pass
				50	3.85	-6.051	-0.0034	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-5.250	-0.0031	-2.5 to 2.5	Pass
					3.85	-9.685	-0.0056	-2.5 to 2.5	Pass
					4.43	-8.926	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-9.484	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-8.411	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-8.669	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-8.912	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-6.781	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-9.012	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-7.939	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-11.244	-0.0066	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	0.916	0.0005	-2.5 to 2.5	Pass
					3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
					4.43	-2.346	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	2.360	0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.033	-0.0017	-2.5 to 2.5	Pass

				30	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-8.368	-0.0048	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	1.230	0.0007	-2.5 to 2.5	Pass
					3.85	-6.051	-0.0034	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	16.980	0.0096	-2.5 to 2.5	Pass
				-10	3.85	-6.566	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-4.992	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass

2.5 B66_15MHz

2.5.1 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	3.27	-12.975	-0.0076	-2.5 to 2.5	Pass
					3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.488	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-6.237	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-5.436	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-3.719	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	-21.157	-0.0121	-2.5 to 2.5	Pass
					3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.645	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				30	3.85	2.460	0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	-21.715	-0.0123	-2.5 to 2.5	Pass
					3.85	-4.120	-0.0023	-2.5 to 2.5	Pass
					4.43	-9.012	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-6.366	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-6.123	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-10.915	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-14.520	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-6.652	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-7.396	-0.0042	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-0.286	-0.0002	-2.5 to 2.5	Pass
					3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
					4.43	-7.424	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-3.748	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-4.907	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-5.836	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	-0.415	-0.0002	-2.5 to 2.5	Pass
					3.85	-3.877	-0.0022	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-8.740	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				0	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-4.621	-0.0026	-2.5 to 2.5	Pass

				30	3.85	-5.493	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	-2.732	-0.0015	-2.5 to 2.5	Pass
					3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
					4.43	-5.865	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-8.268	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-4.292	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-6.967	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-3.905	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-5.894	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-7.567	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass

2.6 B66_20MHz

2.6.1 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	3.27	-11.344	-0.0066	-2.5 to 2.5	Pass
					3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.675	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-6.981	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-6.137	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-5.078	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-9.356	-0.0054	-2.5 to 2.5	Pass
					3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
					4.43	-5.279	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				30	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				40	3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-4.621	-0.0026	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	-14.362	-0.0081	-2.5 to 2.5	Pass
					3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
					4.43	-4.635	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-5.336	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-6.323	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-3.419	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-4.835	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-3.405	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-6.266	-0.0035	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-5.536	-0.0032	-2.5 to 2.5	Pass
					3.85	-6.495	-0.0038	-2.5 to 2.5	Pass
					4.43	-5.536	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-5.093	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.406	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-8.211	-0.0048	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-1.903	-0.0011	-2.5 to 2.5	Pass
					3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.360	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-5.078	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-9.356	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-6.695	-0.0038	-2.5 to 2.5	Pass

				30	3.85	-8.869	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-4.621	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	-1.674	-0.0009	-2.5 to 2.5	Pass
					3.85	-3.047	-0.0017	-2.5 to 2.5	Pass
					4.43	-6.208	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-7.453	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-5.765	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-7.253	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-6.566	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-8.168	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-19.183	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-6.437	-0.0036	-2.5 to 2.5	Pass

3. Modulation Characteristics

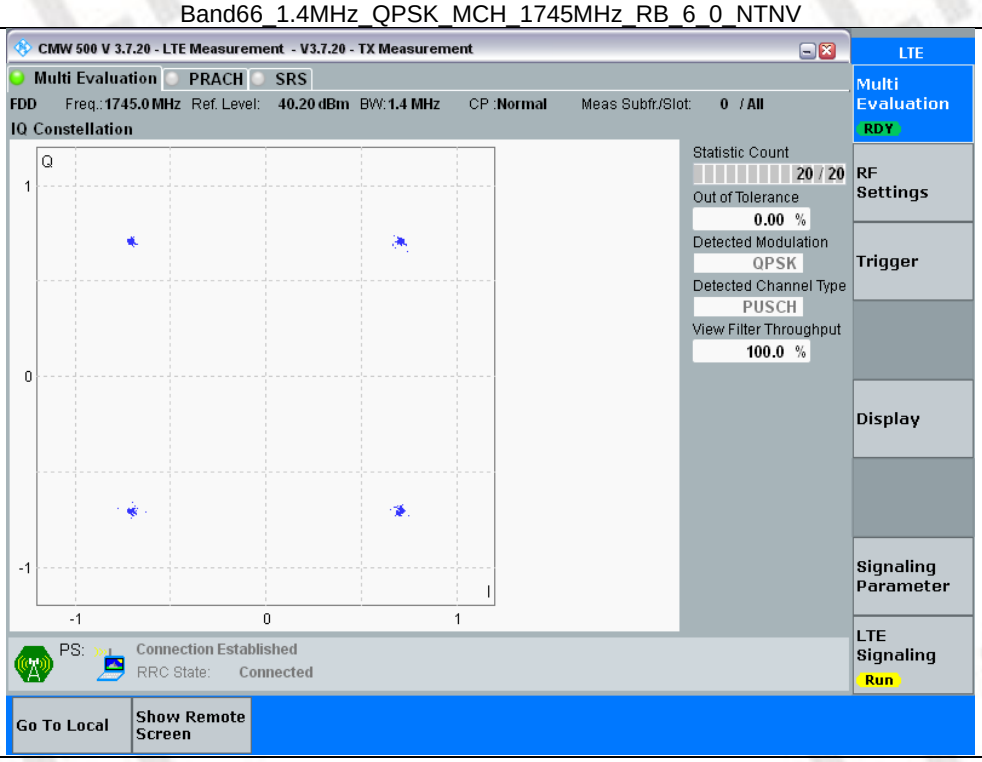
3.1 B66_1.4MHz

3.1.1 Test Result

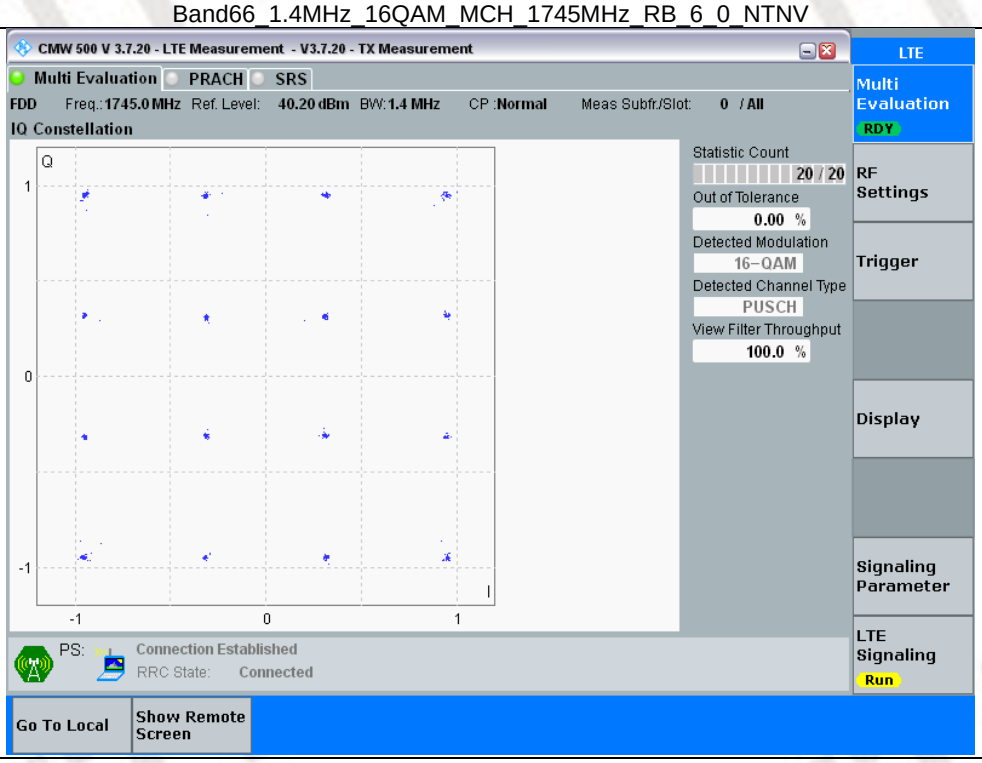
Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	6	0	Refer To Test Graph		Pass
16QAM	1745	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



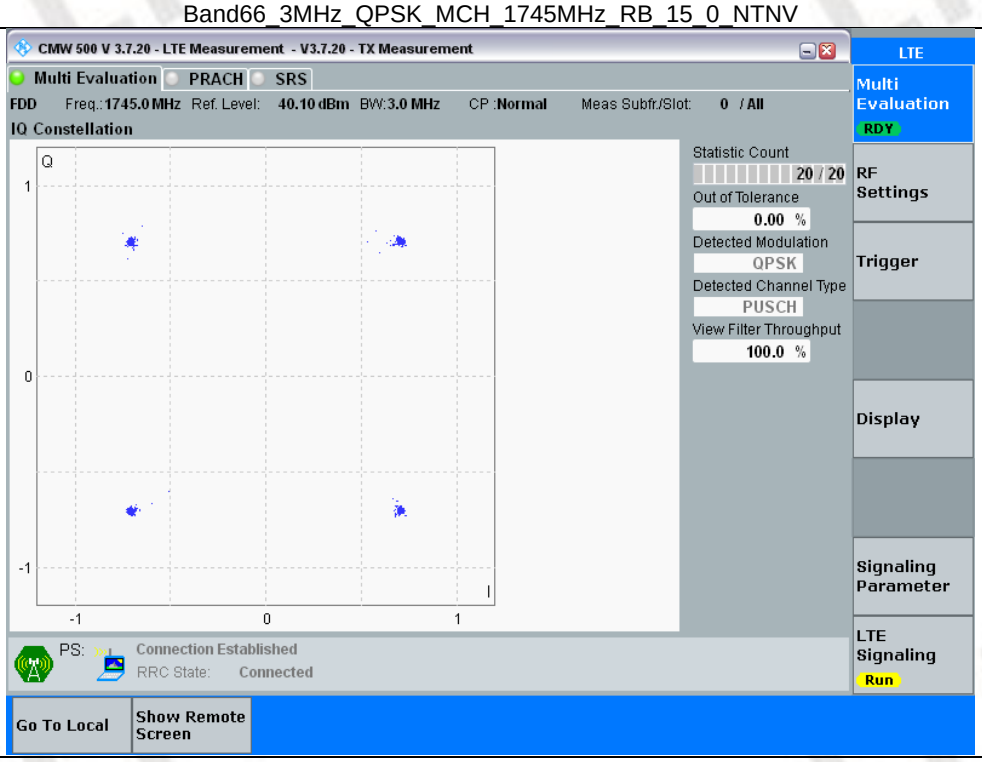
3.2 B66_3MHz

3.2.1 Test Result

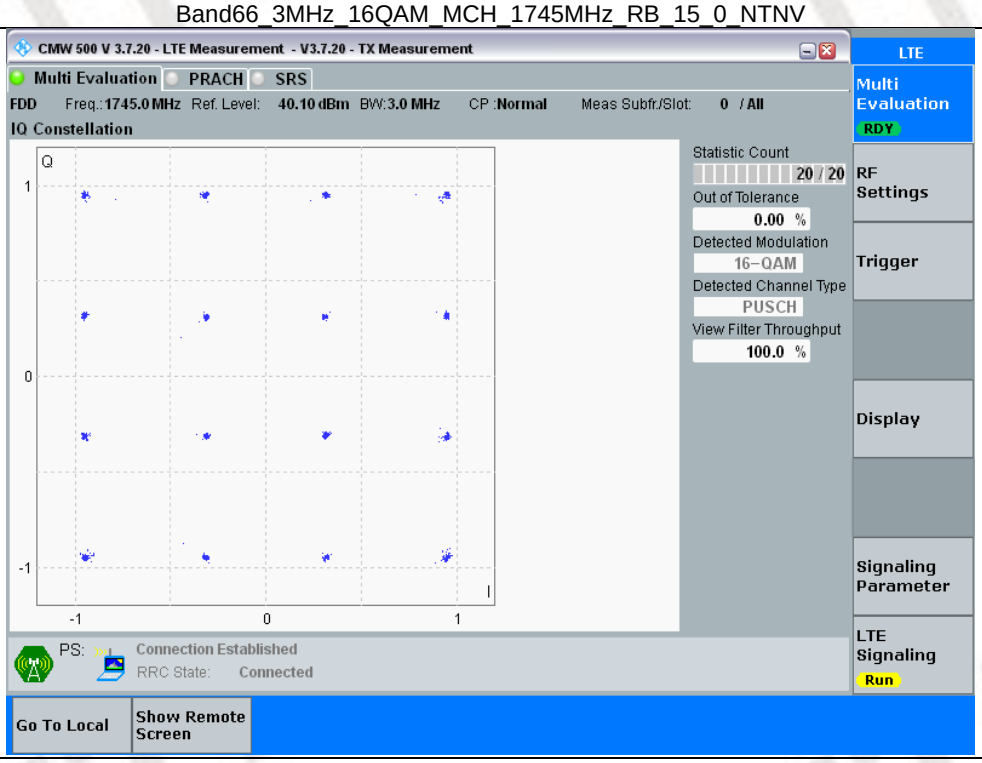
Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	15	0	Refer To Test Graph		Pass
16QAM	1745	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



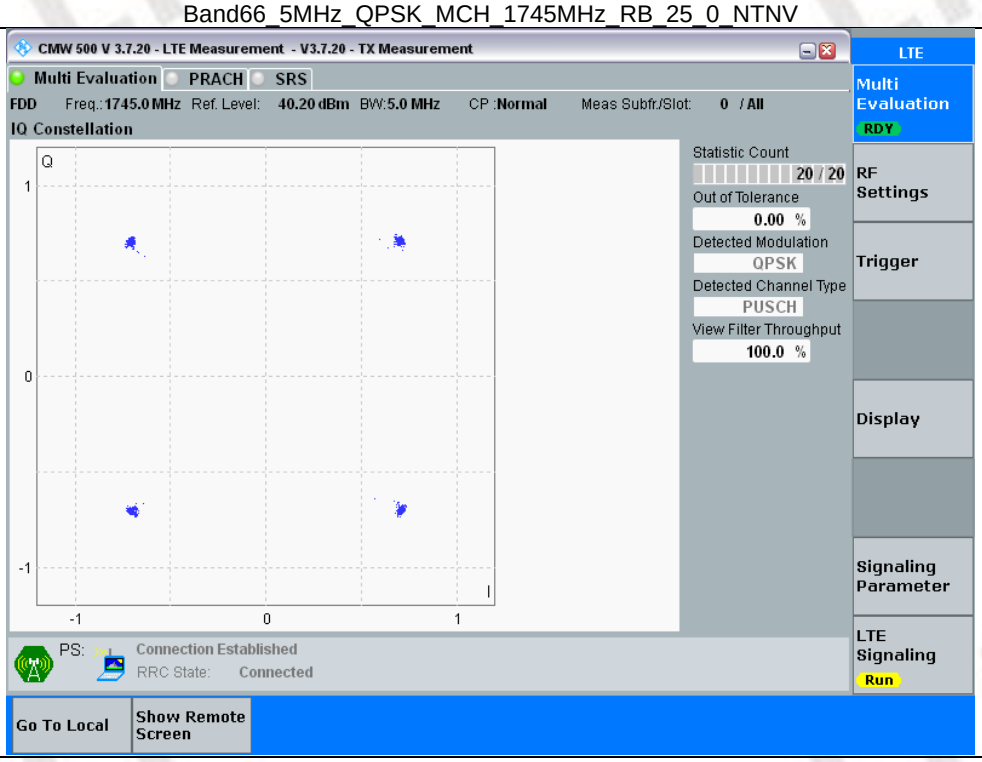
3.3 B66_5MHz

3.3.1 Test Result

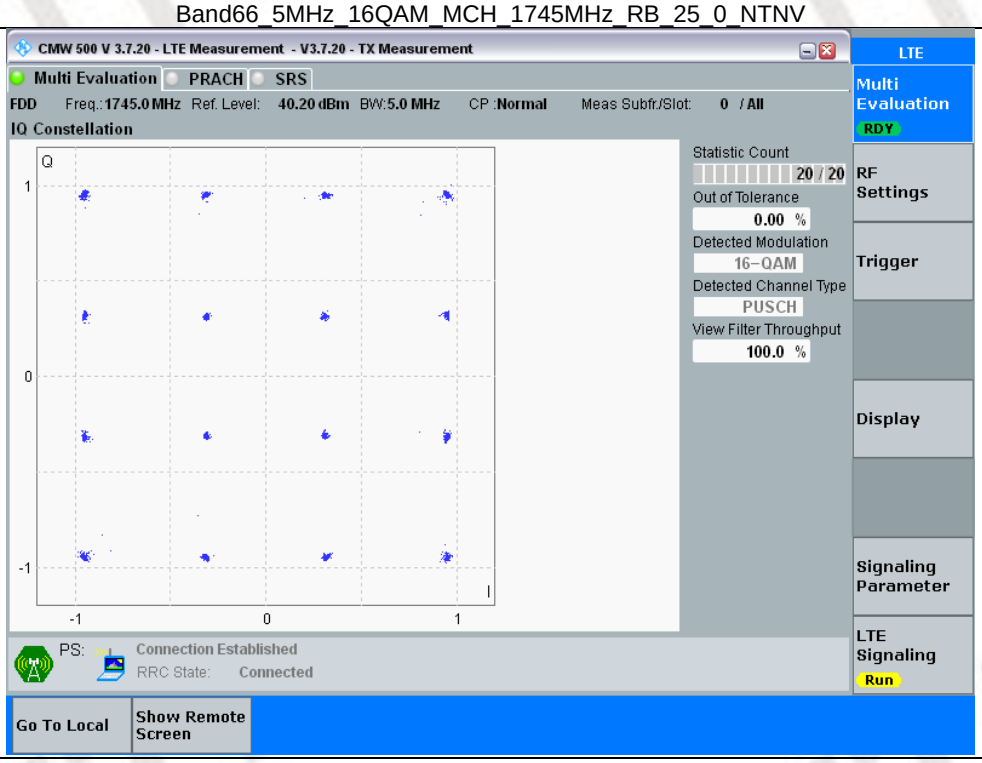
Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	25	0	Refer To Test Graph		Pass
16QAM	1745	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



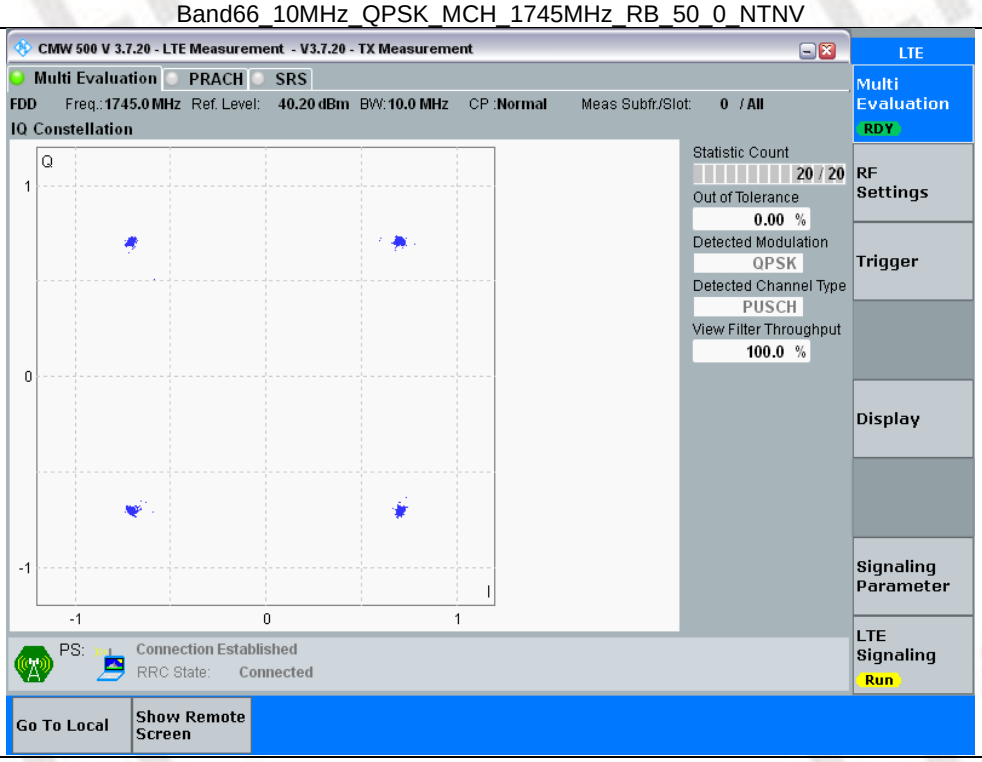
3.4 B66_10MHz

3.4.1 Test Result

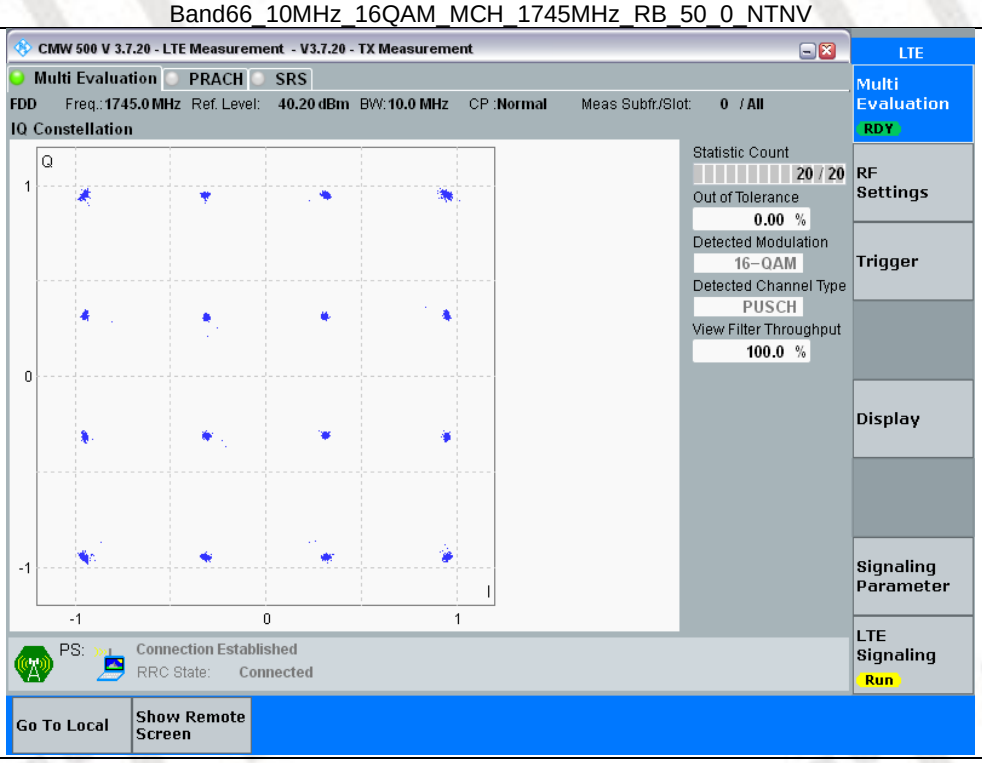
Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	50	0	Refer To Test Graph		Pass
16QAM	1745	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



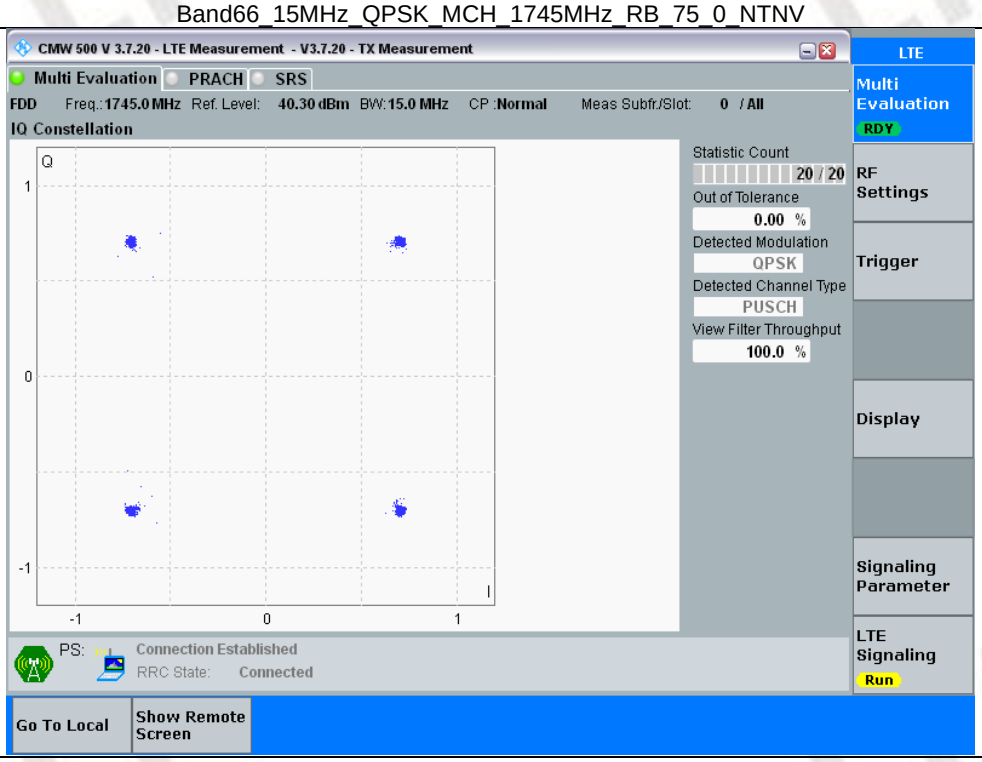
3.5 B66_15MHz

3.5.1 Test Result

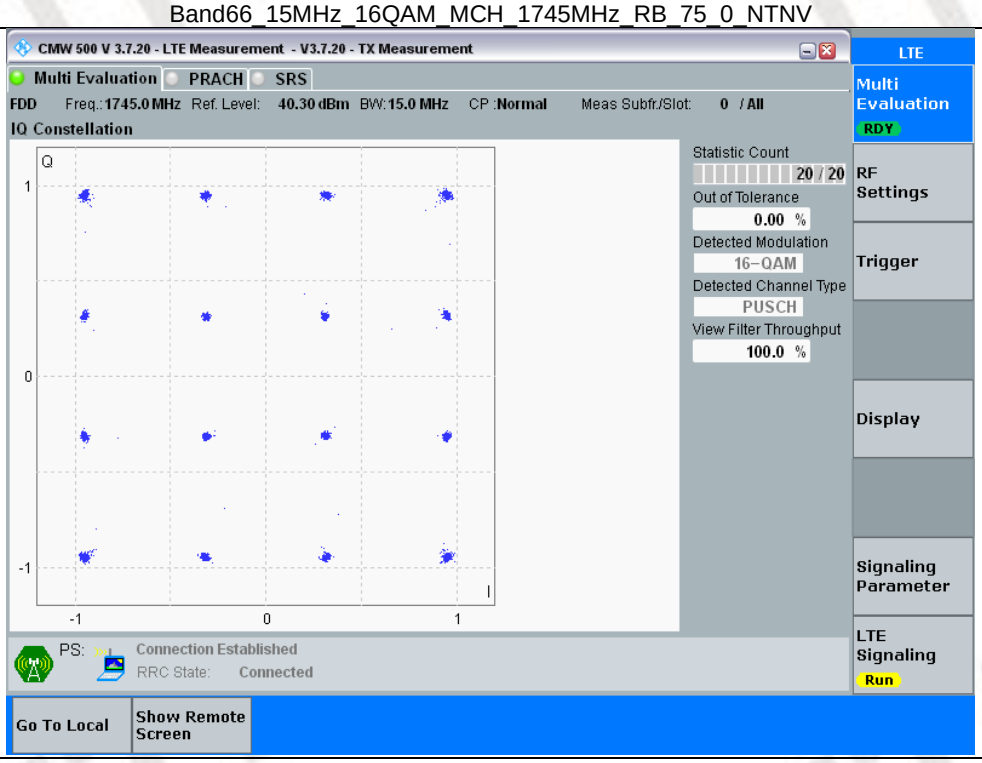
Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	75	0	Refer To Test Graph		Pass
16QAM	1745	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



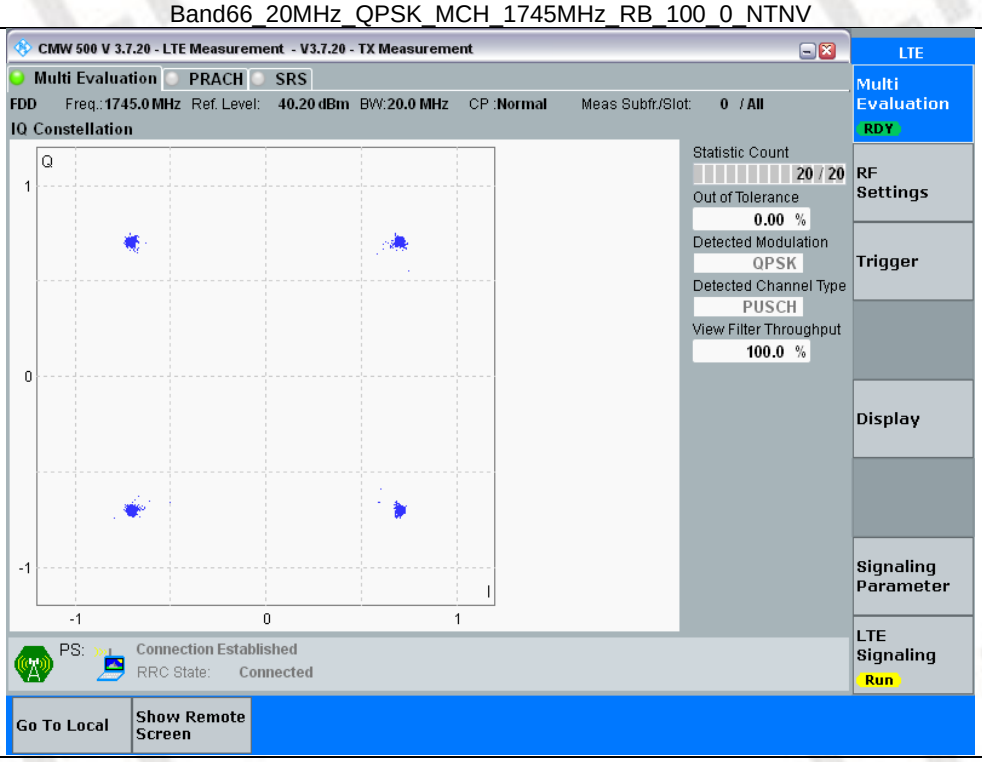
3.6 B66_20MHz

3.6.1 Test Result

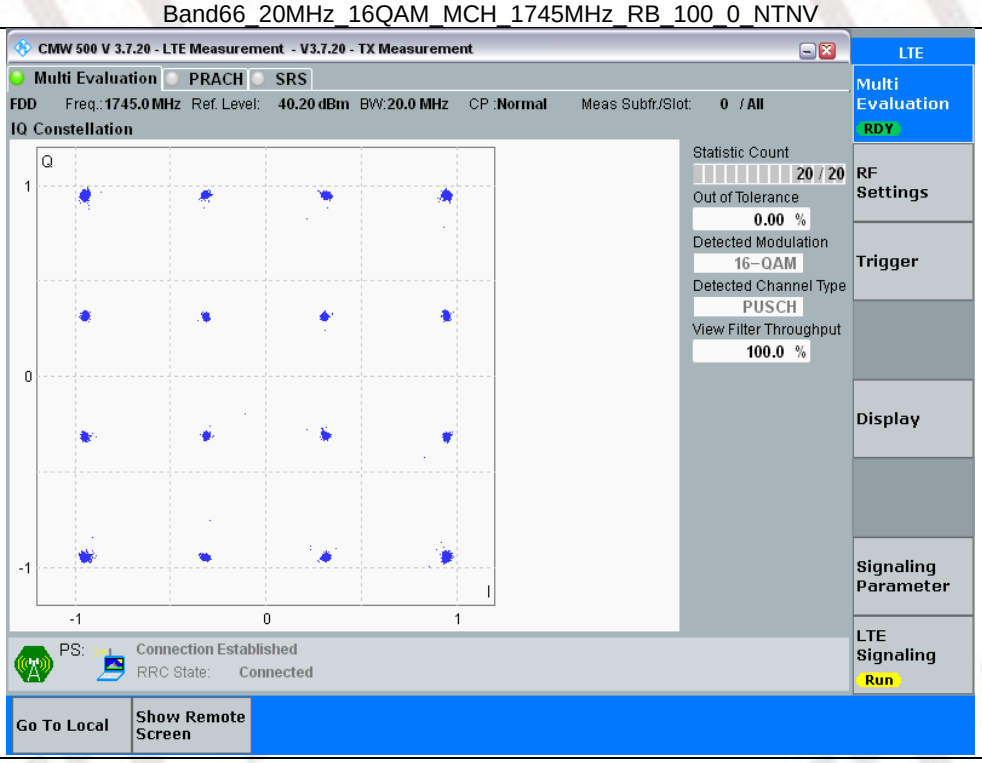
Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	100	0	Refer To Test Graph		Pass
16QAM	1745	100	0	Refer To Test Graph		Pass

3.6.2 Test Graph

Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

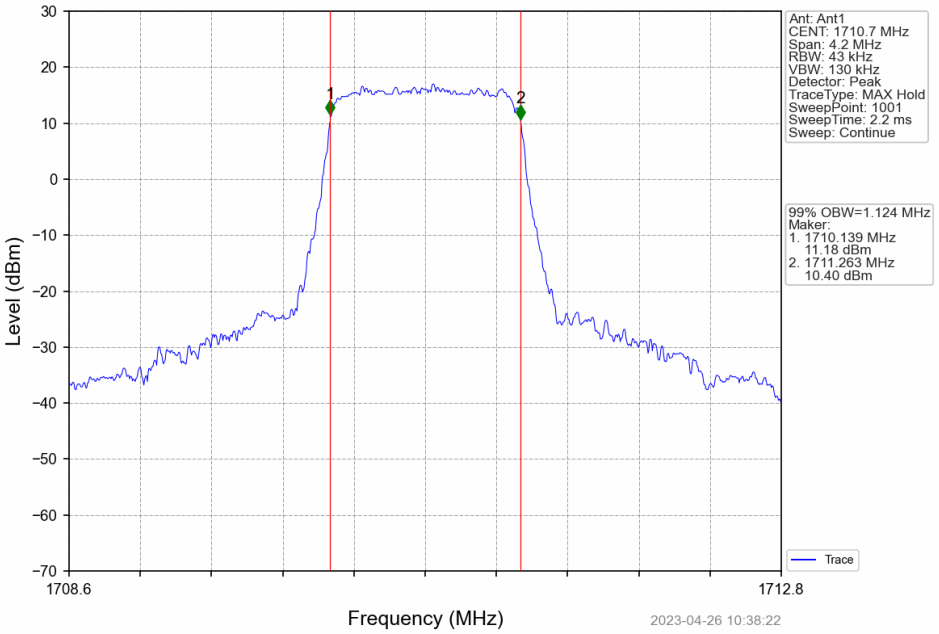
4.1 Band66_OBW

4.1.1 Test Result

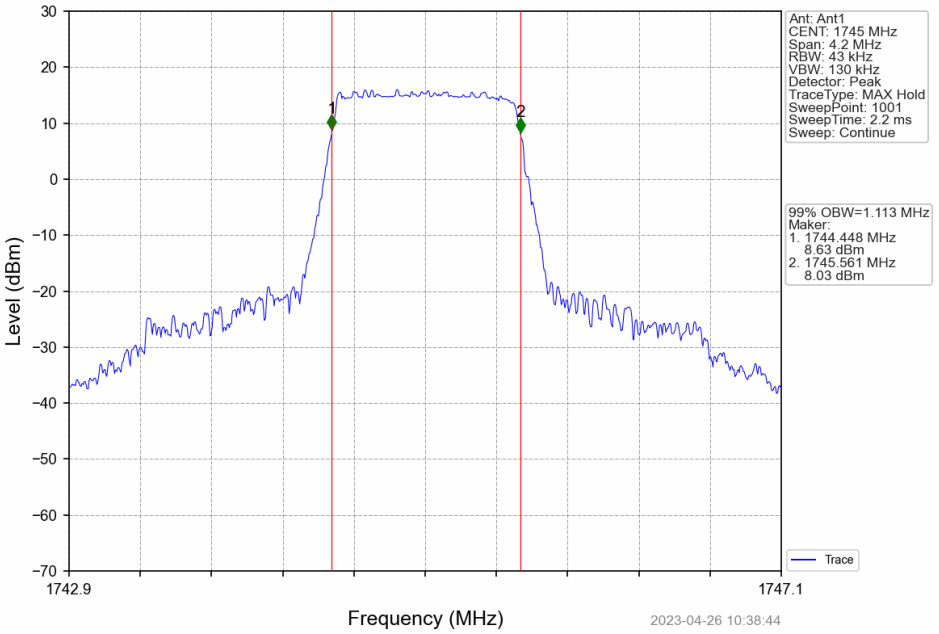
Band: 66 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.124	Pass
		1745	6	0	1.113	Pass
		1779.3	6	0	1.111	Pass
	16QAM	1710.7	6	0	1.105	Pass
		1745	6	0	1.103	Pass
		1779.3	6	0	1.115	Pass
3	QPSK	1711.5	15	0	2.722	Pass
		1745	15	0	2.727	Pass
		1778.5	15	0	2.730	Pass
	16QAM	1711.5	15	0	2.723	Pass
		1745	15	0	2.725	Pass
		1778.5	15	0	2.720	Pass
5	QPSK	1712.5	25	0	4.559	Pass
		1745	25	0	4.568	Pass
		1777.5	25	0	4.564	Pass
	16QAM	1712.5	25	0	4.598	Pass
		1745	25	0	4.591	Pass
		1777.5	25	0	4.584	Pass
10	QPSK	1715	50	0	9.065	Pass
		1745	50	0	9.044	Pass
		1775	50	0	9.106	Pass
	16QAM	1715	50	0	9.074	Pass
		1745	50	0	9.058	Pass
		1775	50	0	9.081	Pass
15	QPSK	1717.5	75	0	13.617	Pass
		1745	75	0	13.557	Pass
		1772.5	75	0	13.721	Pass
	16QAM	1717.5	75	0	13.643	Pass
		1745	75	0	13.592	Pass
		1772.5	75	0	13.688	Pass
20	QPSK	1720	100	0	18.151	Pass
		1745	100	0	18.078	Pass
		1770	100	0	18.174	Pass
	16QAM	1720	100	0	18.143	Pass
		1745	100	0	18.090	Pass
		1770	100	0	18.184	Pass

4.1.2 Test Graph

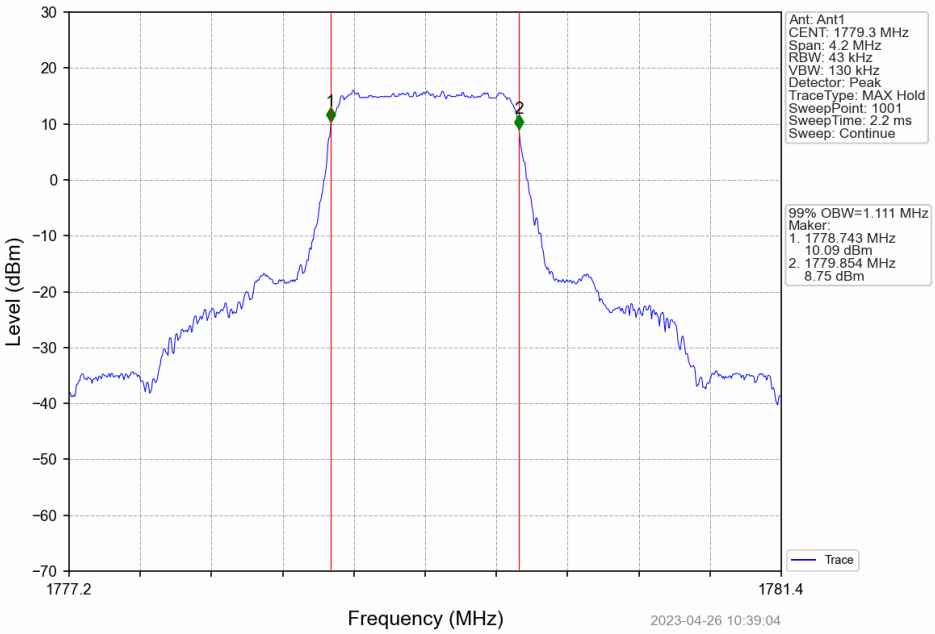
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



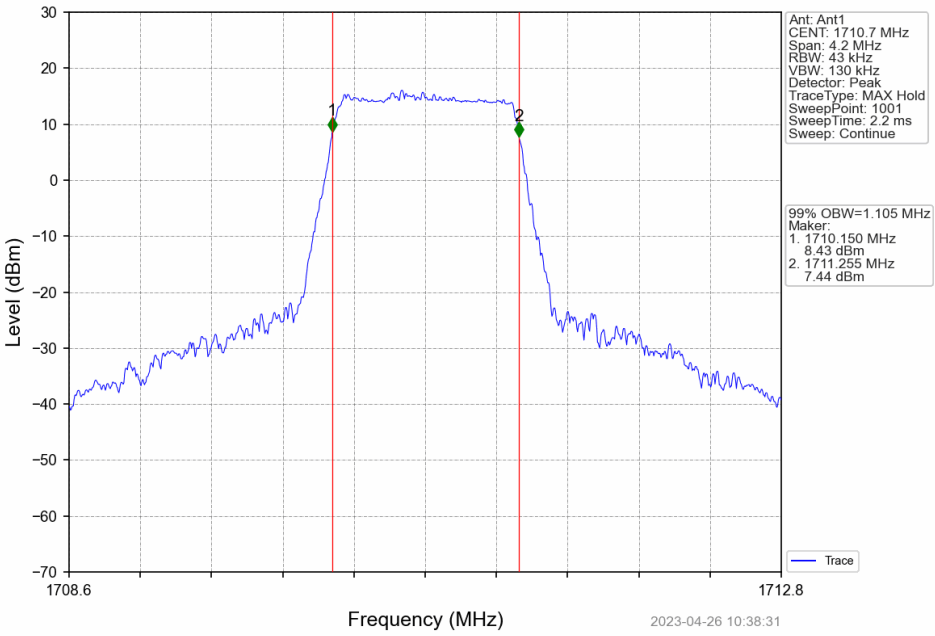
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



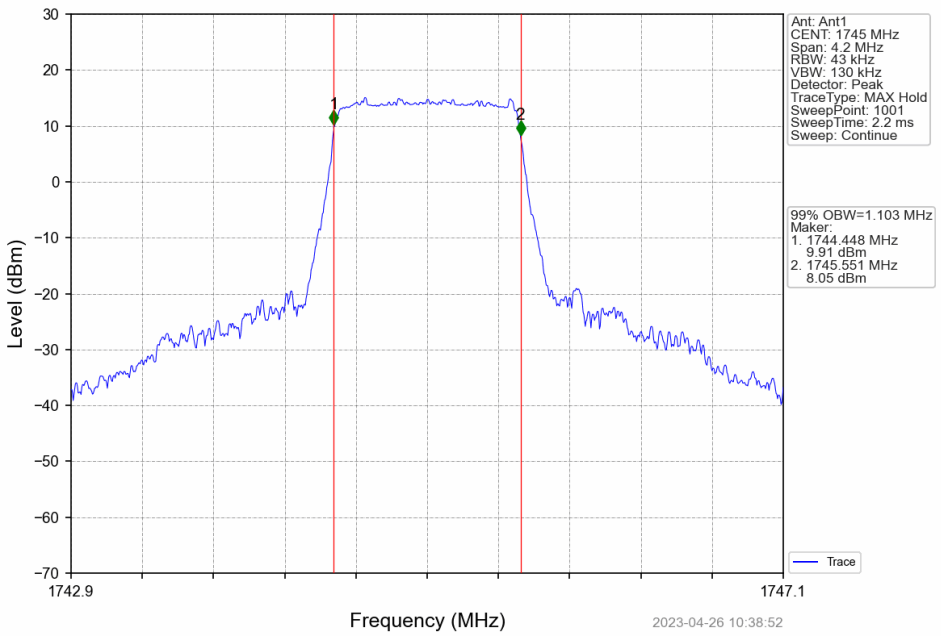
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



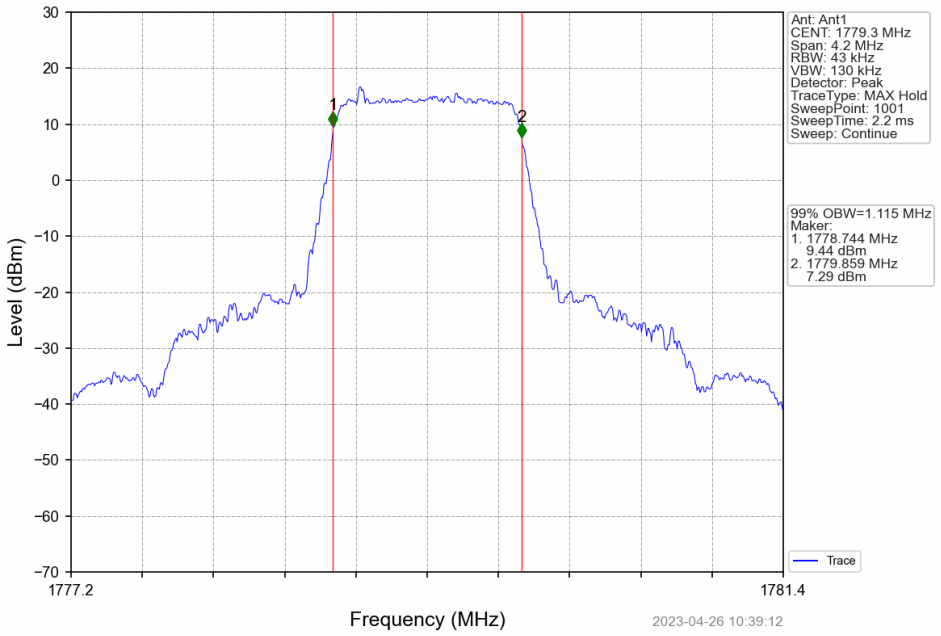
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



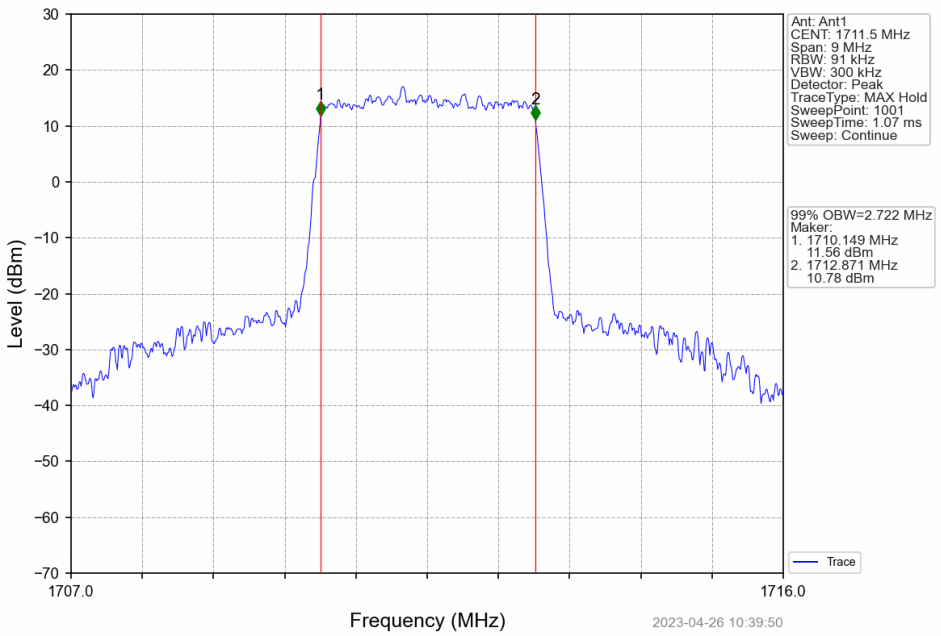
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



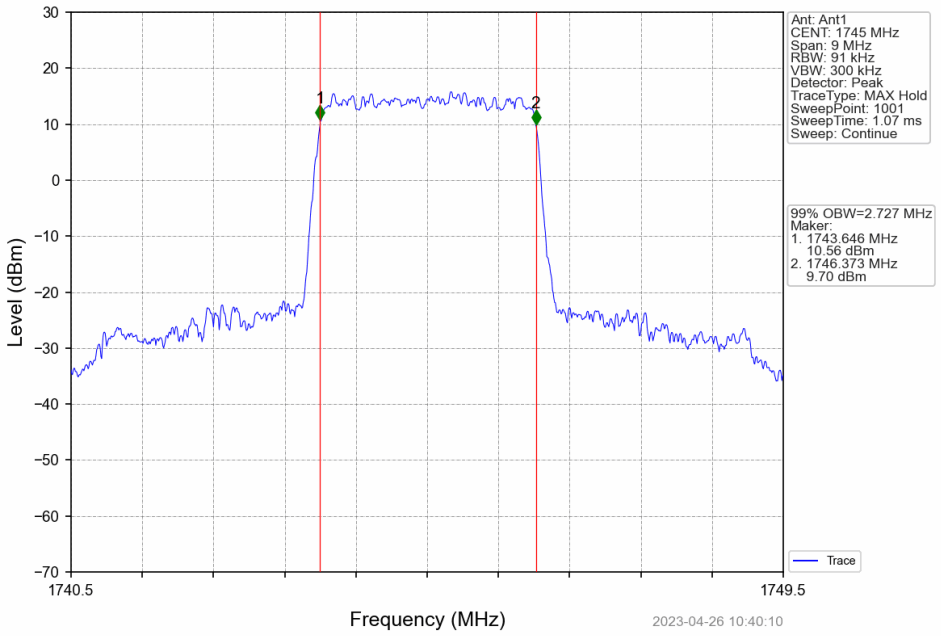
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



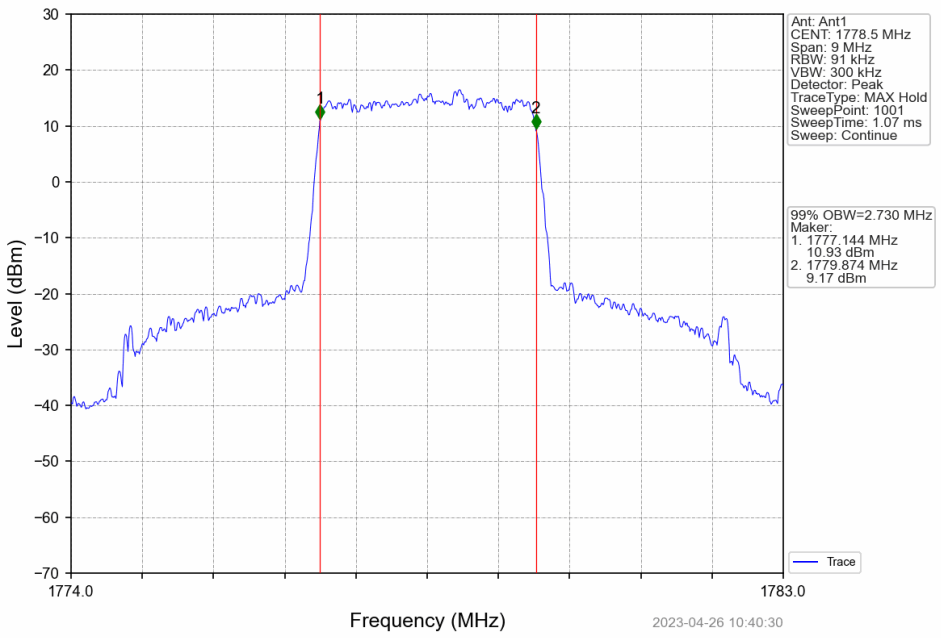
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



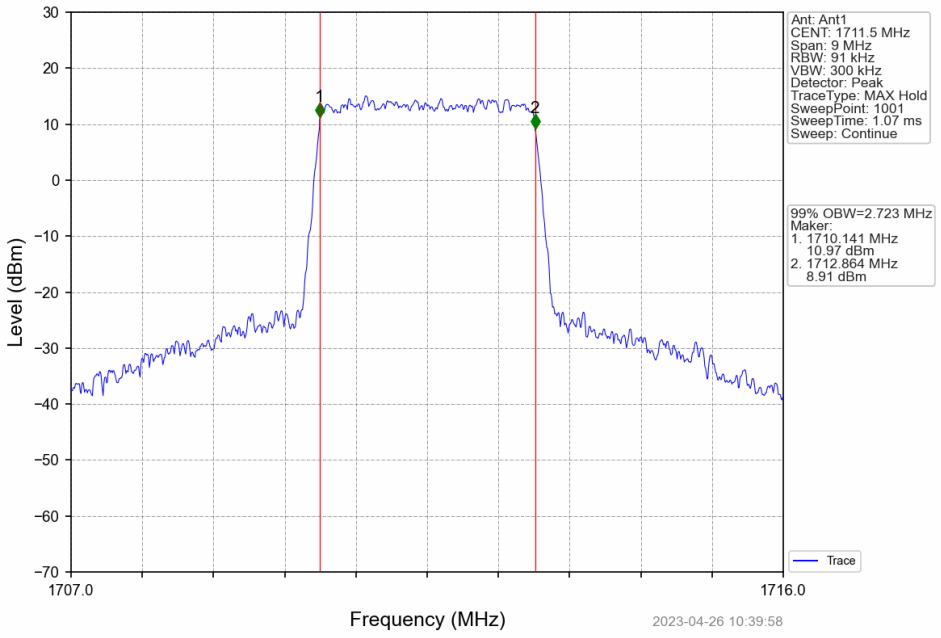
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



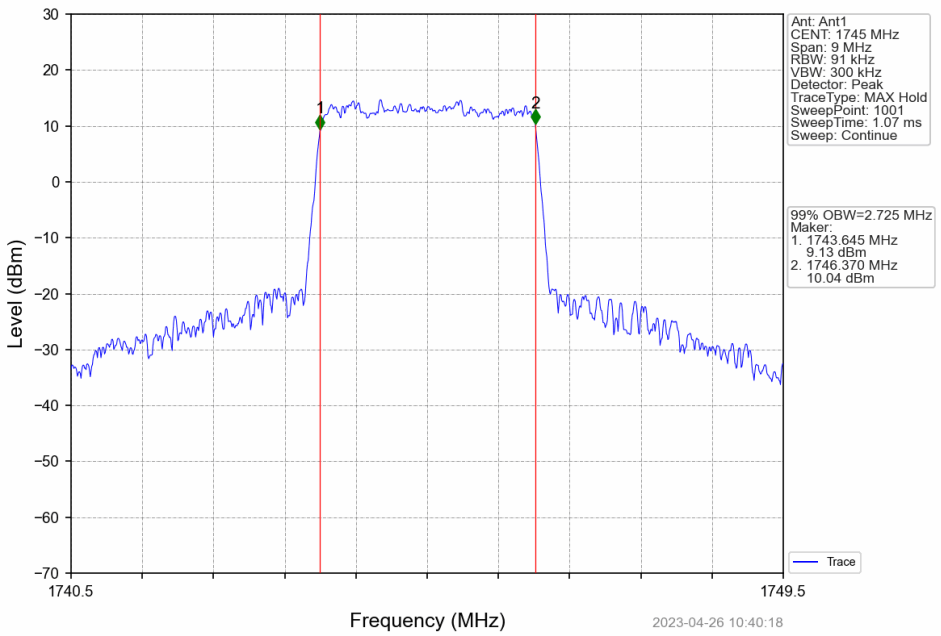
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



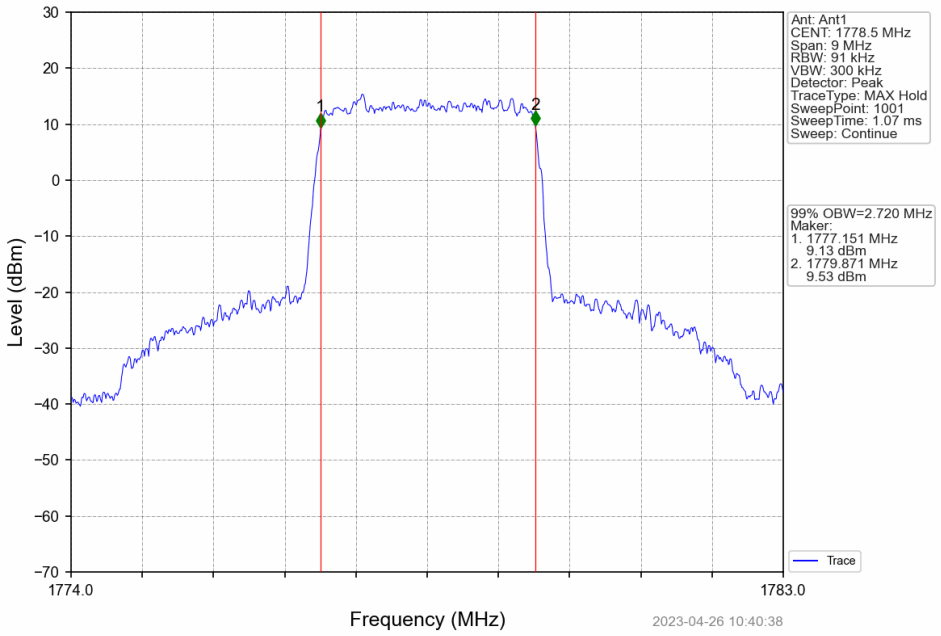
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



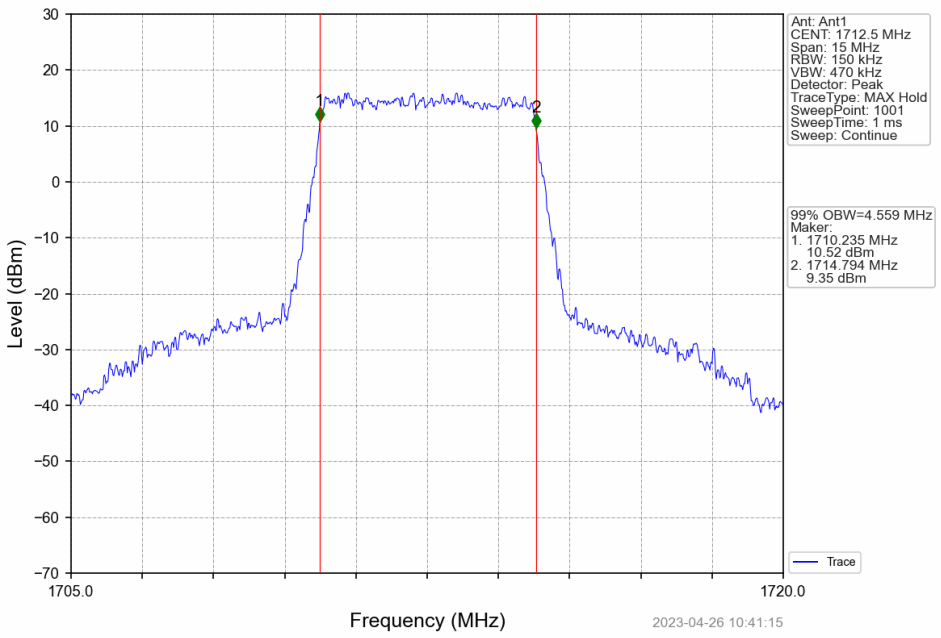
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



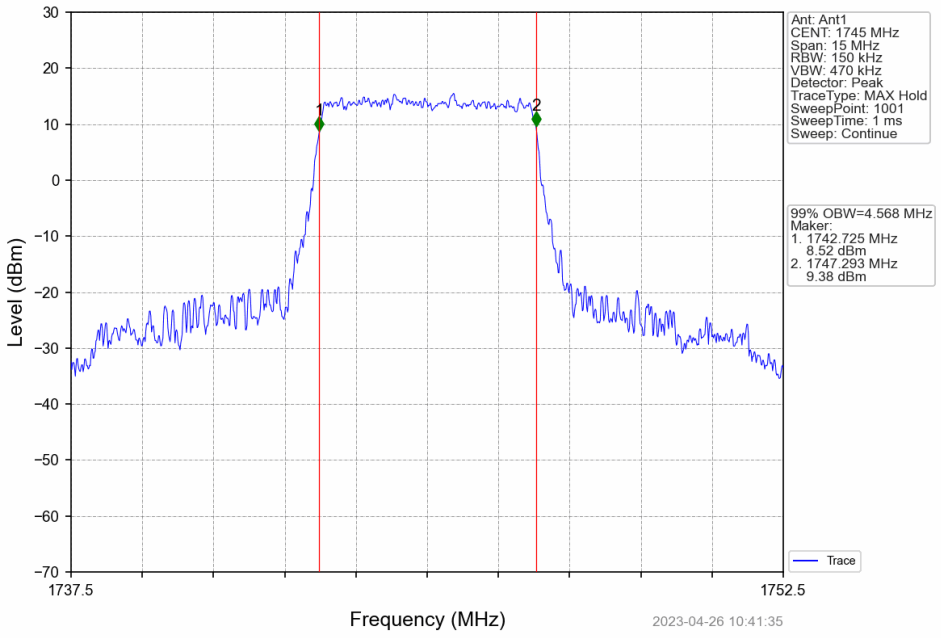
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



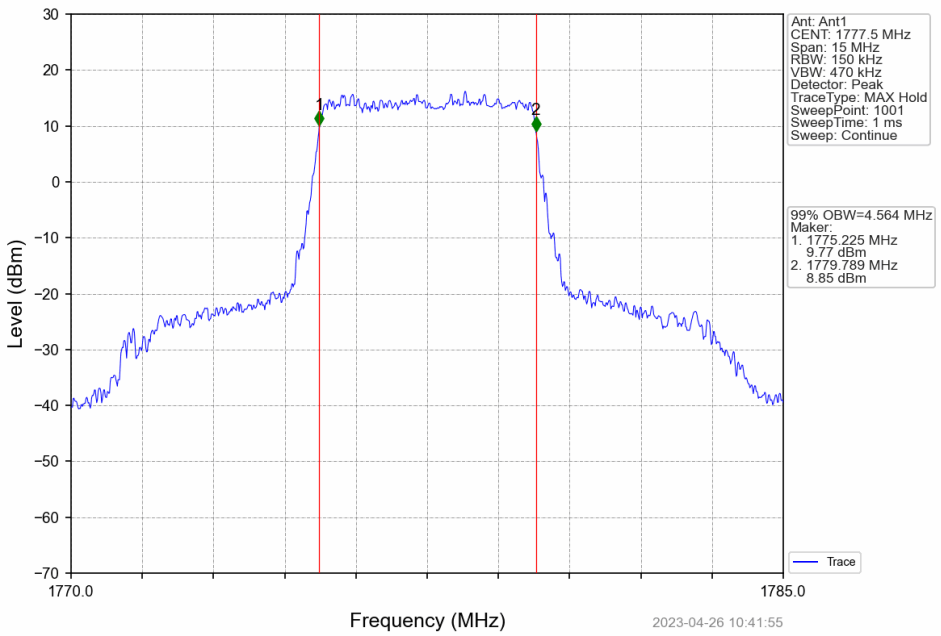
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



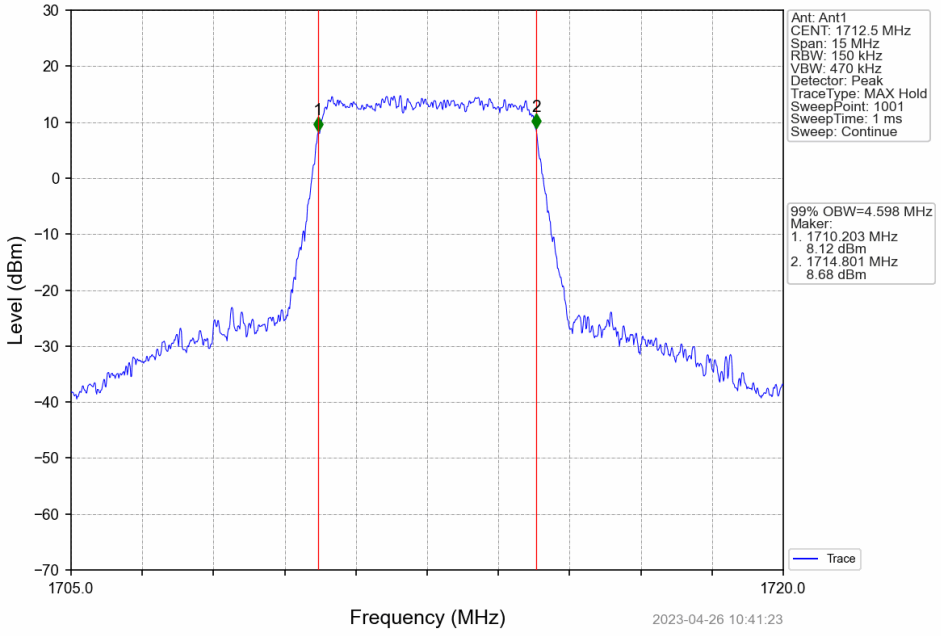
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



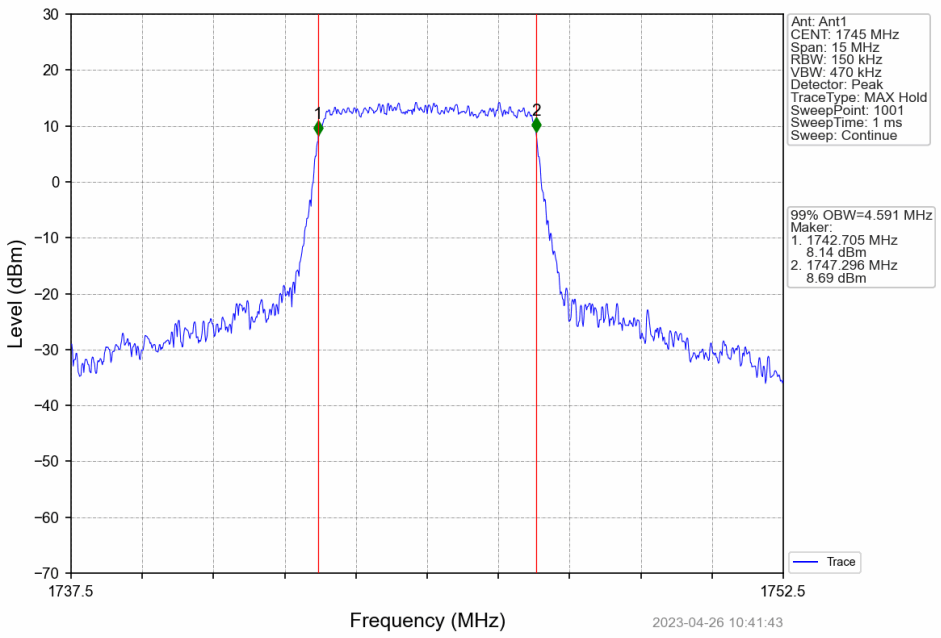
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



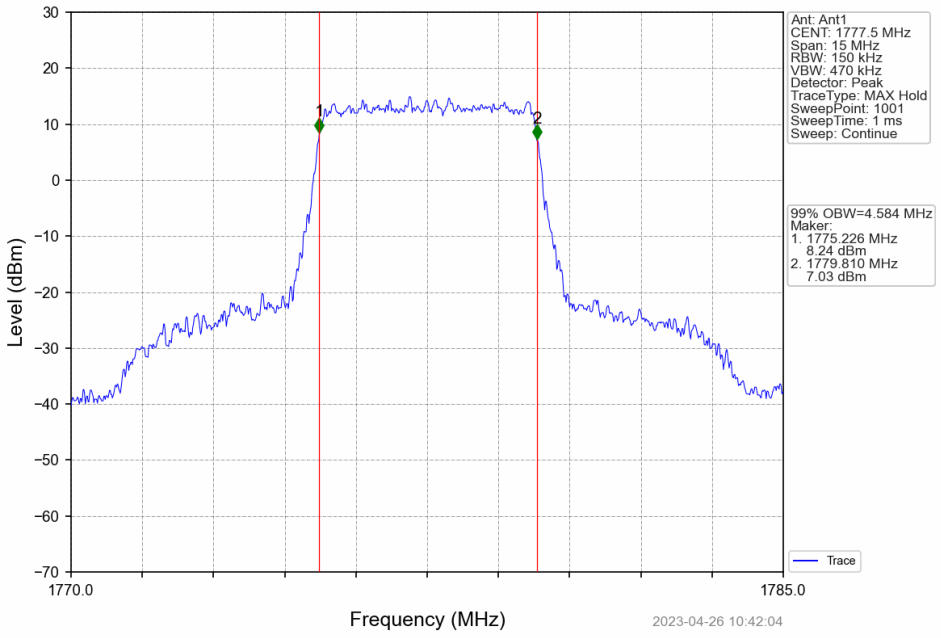
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



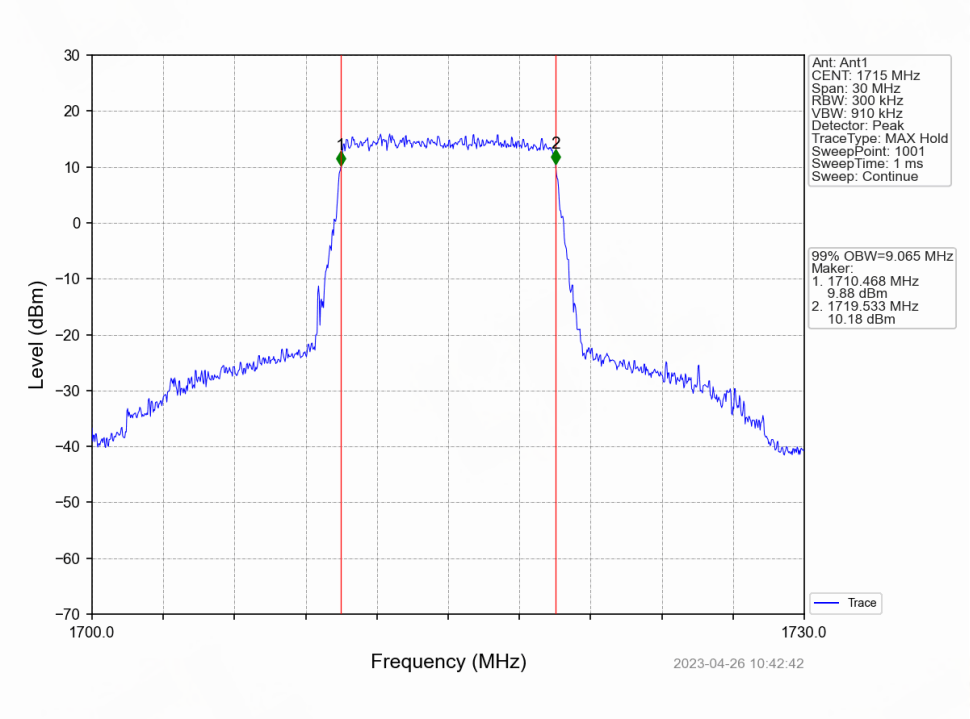
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



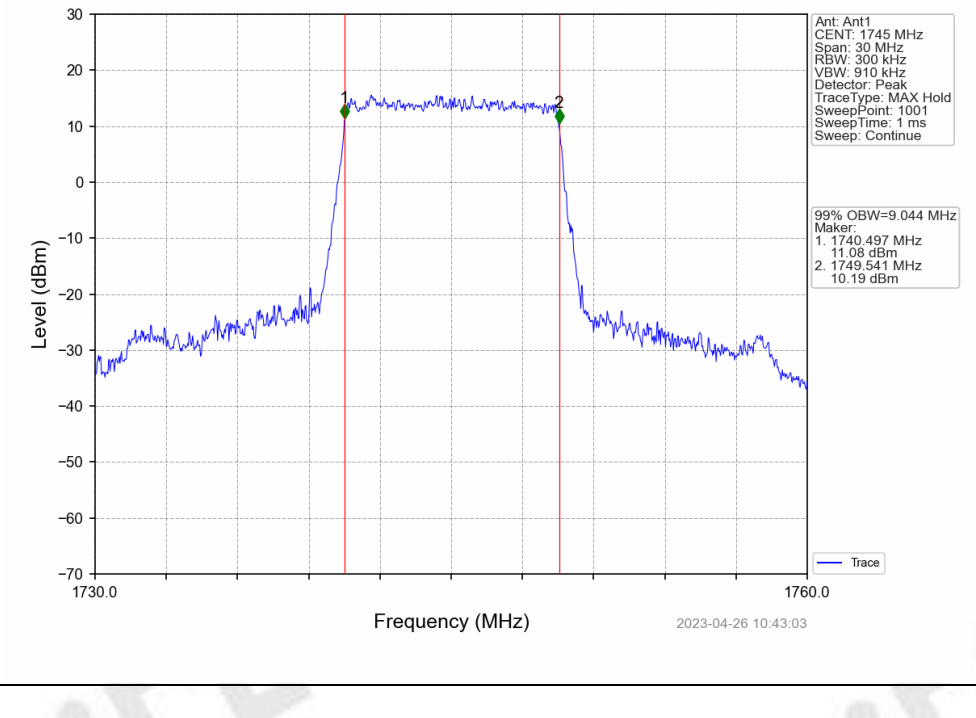
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



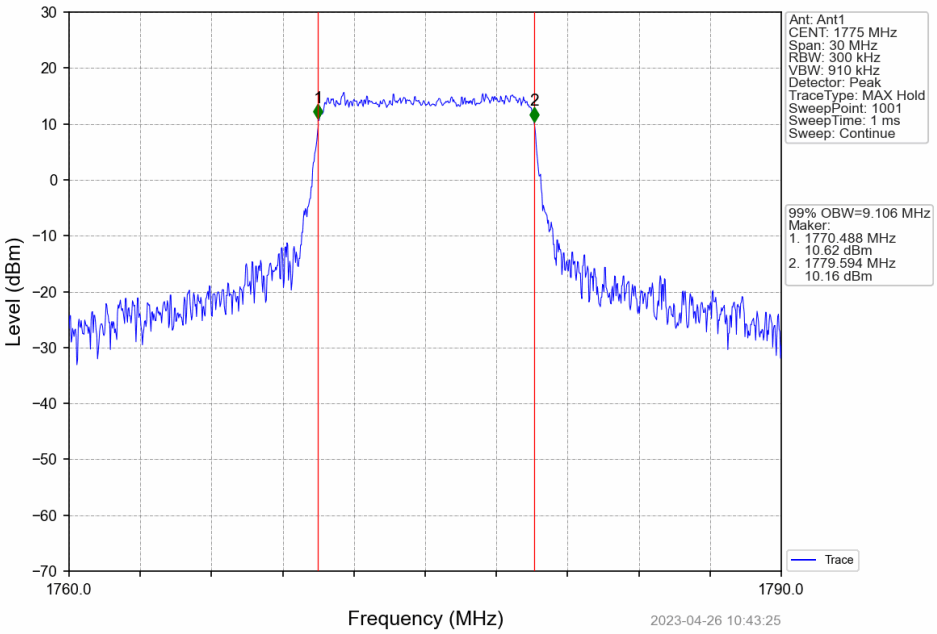
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



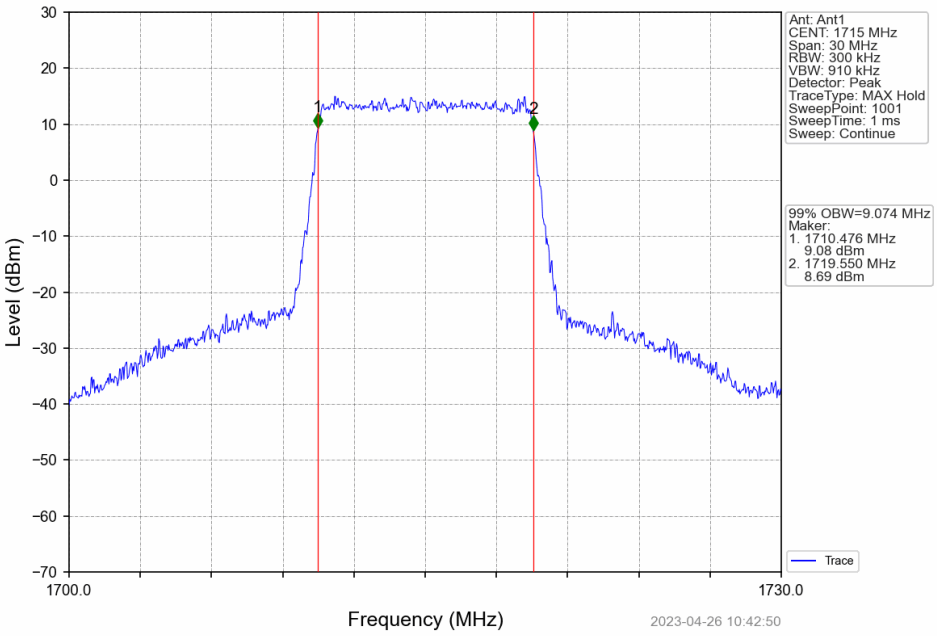
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



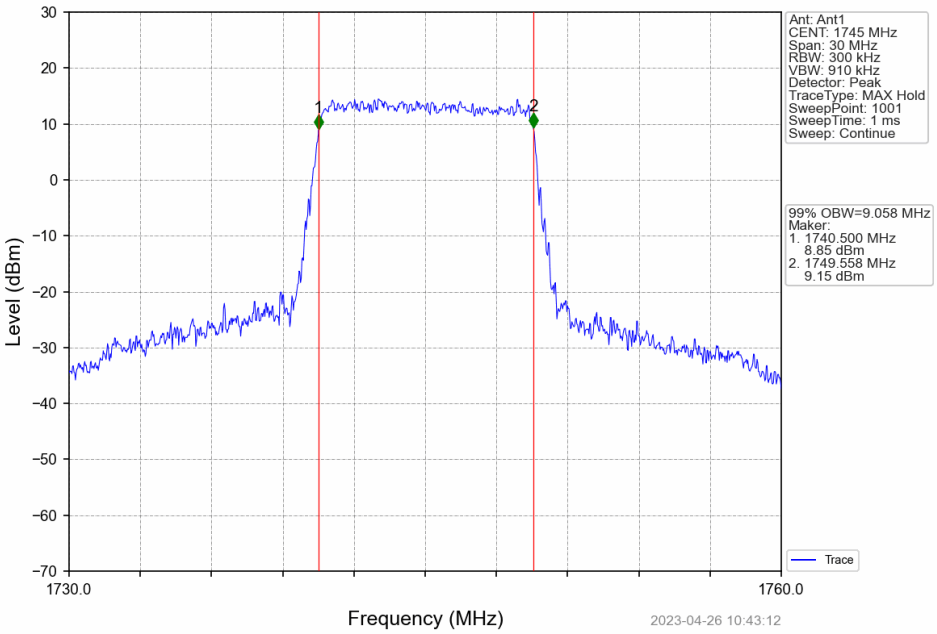
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



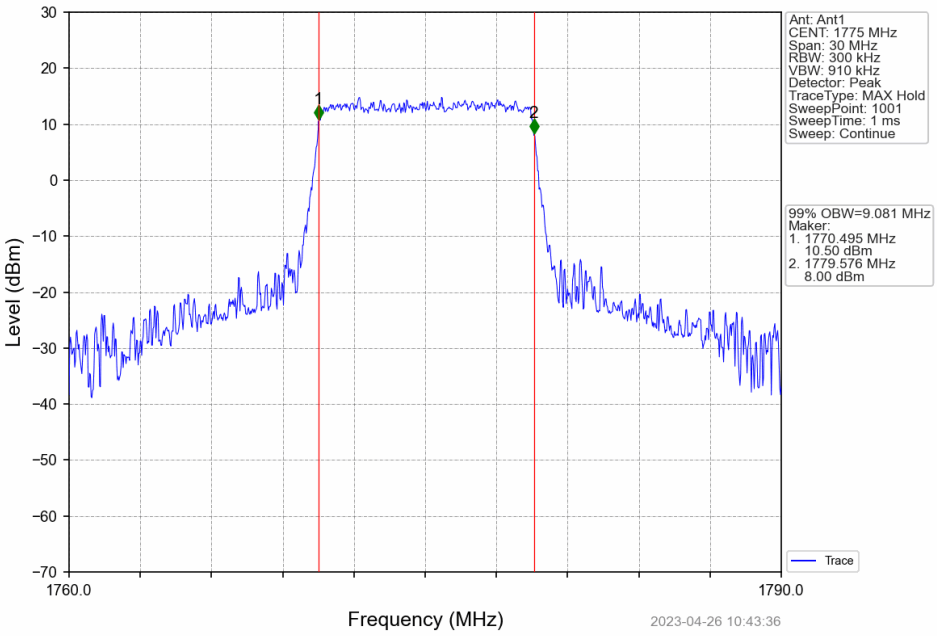
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



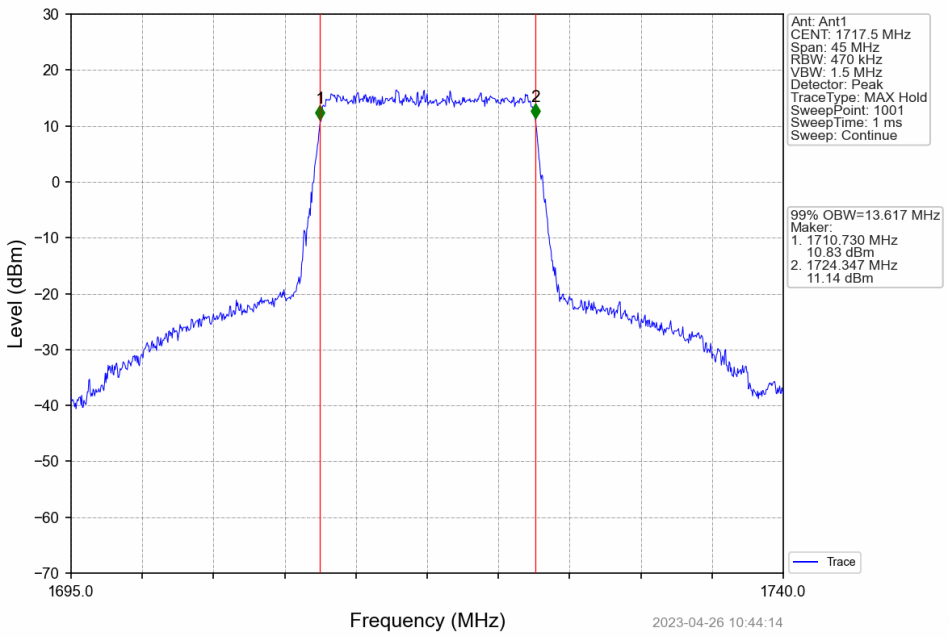
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



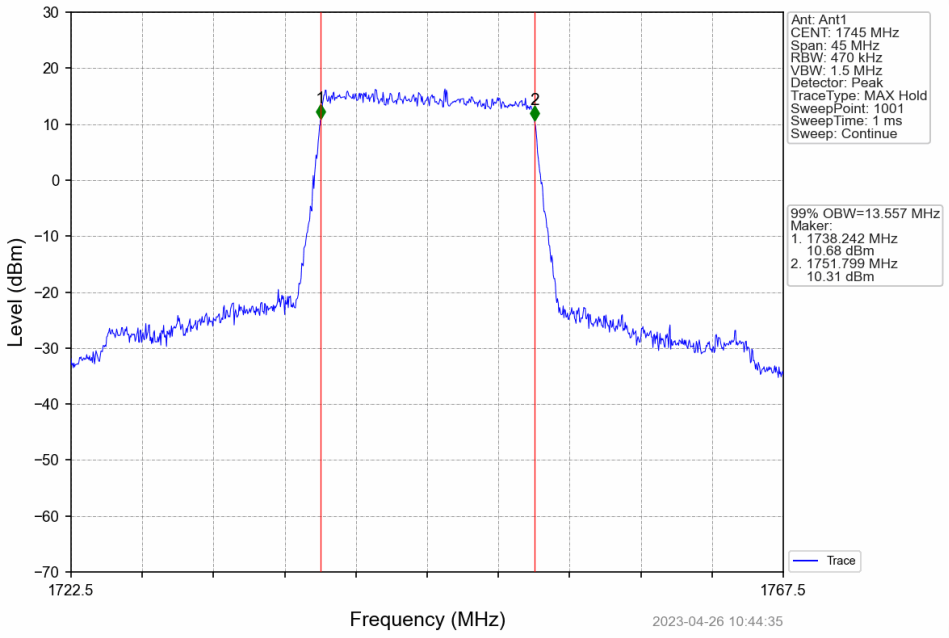
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



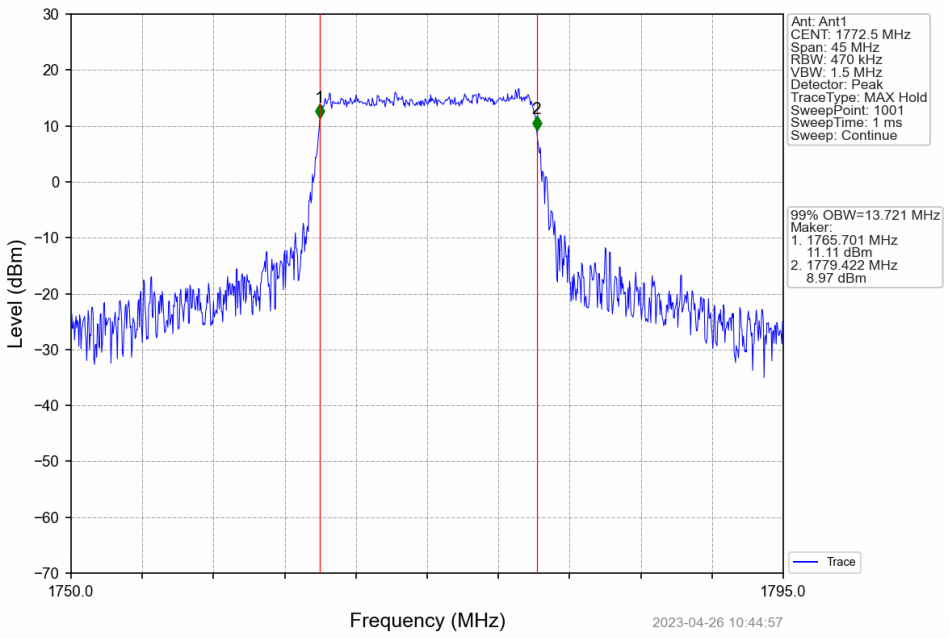
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



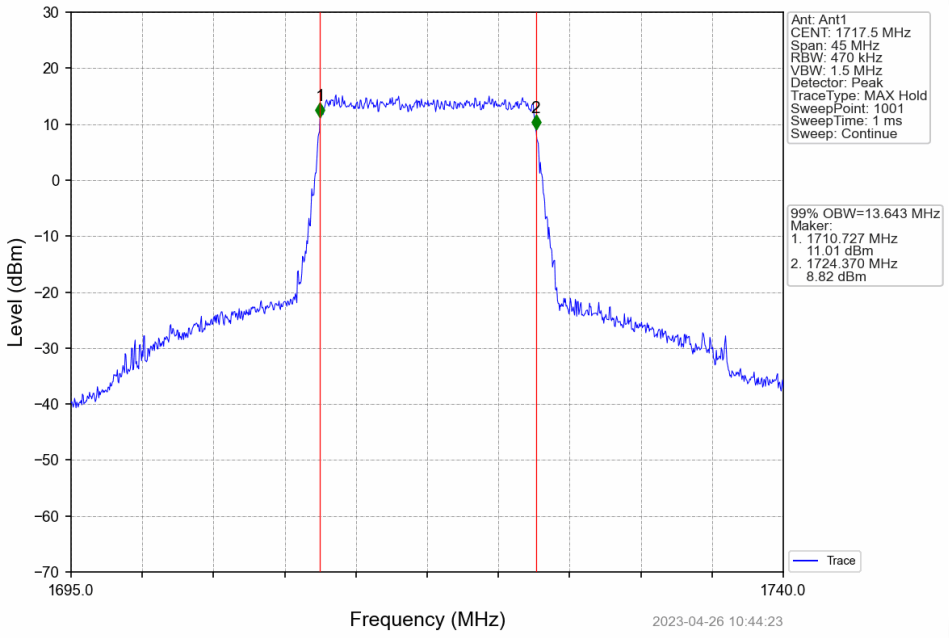
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



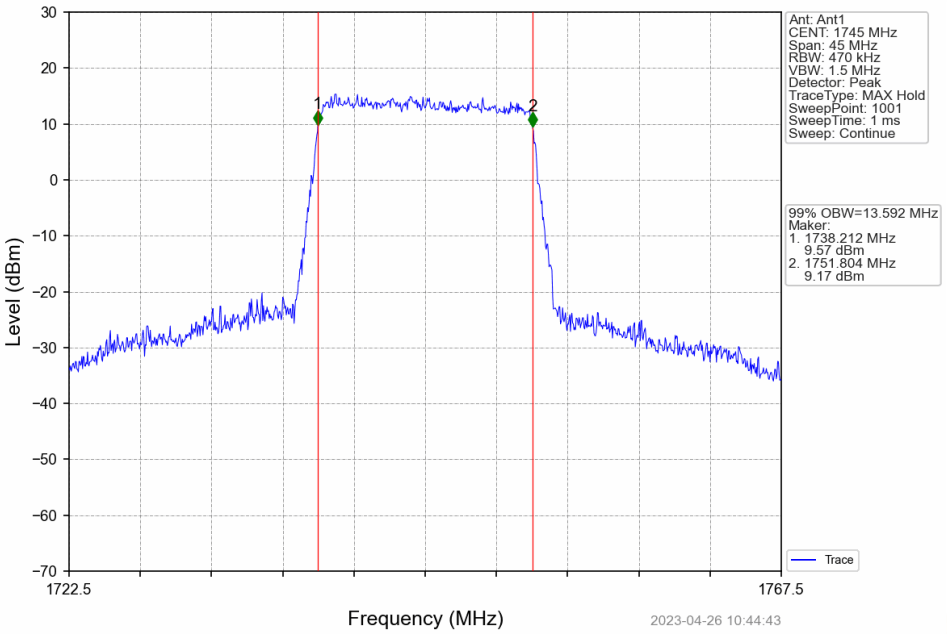
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



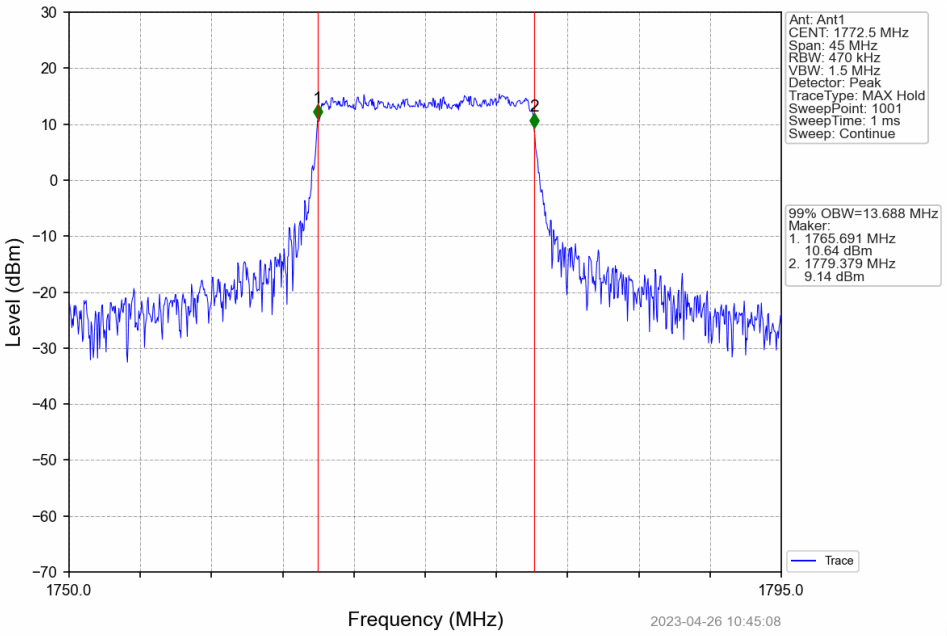
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



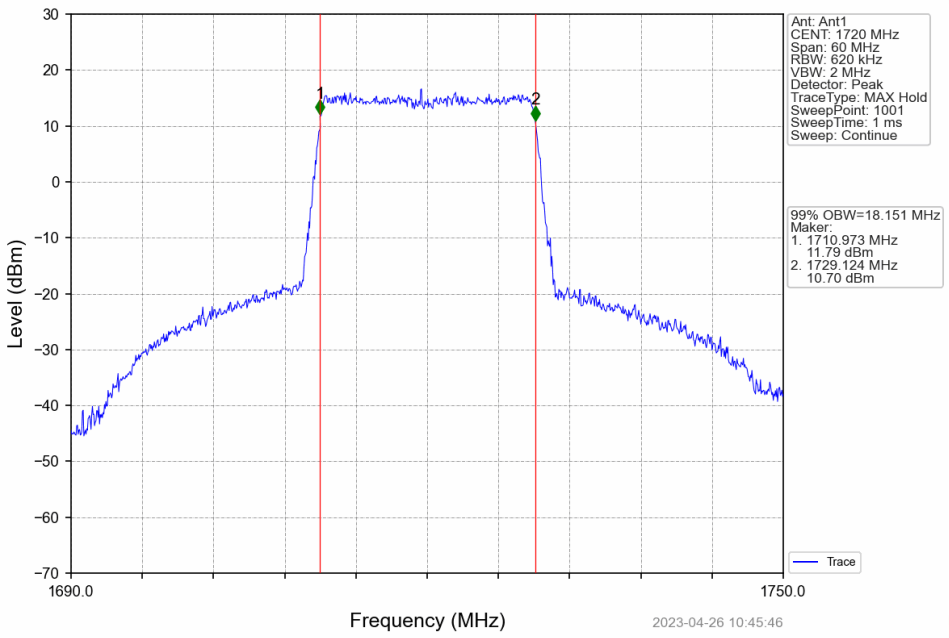
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



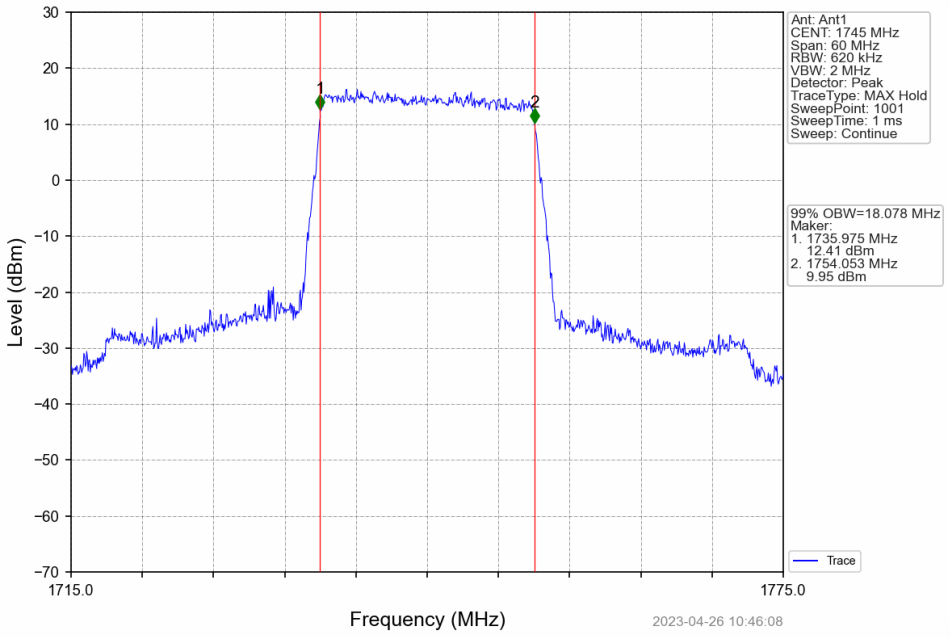
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



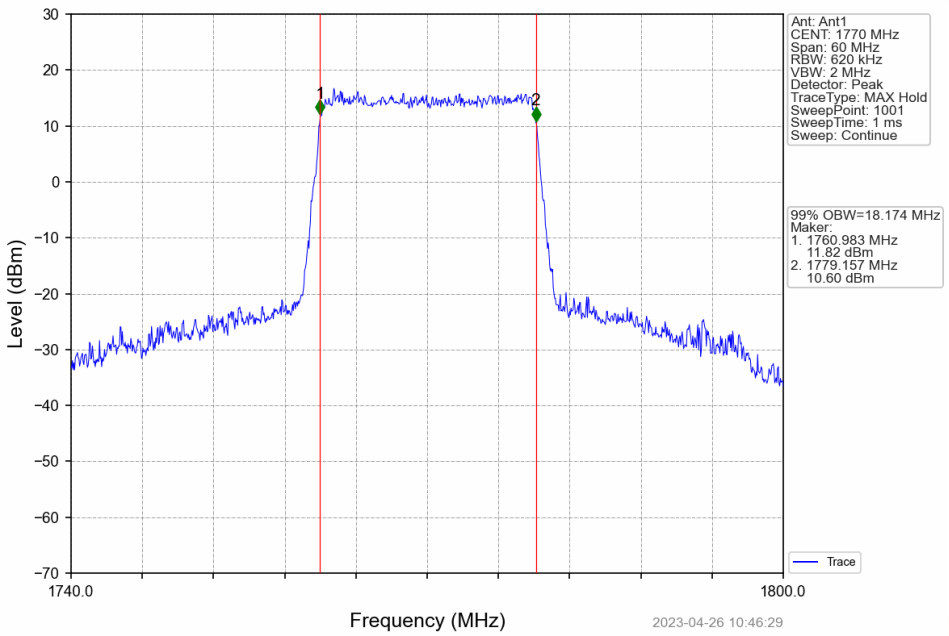
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



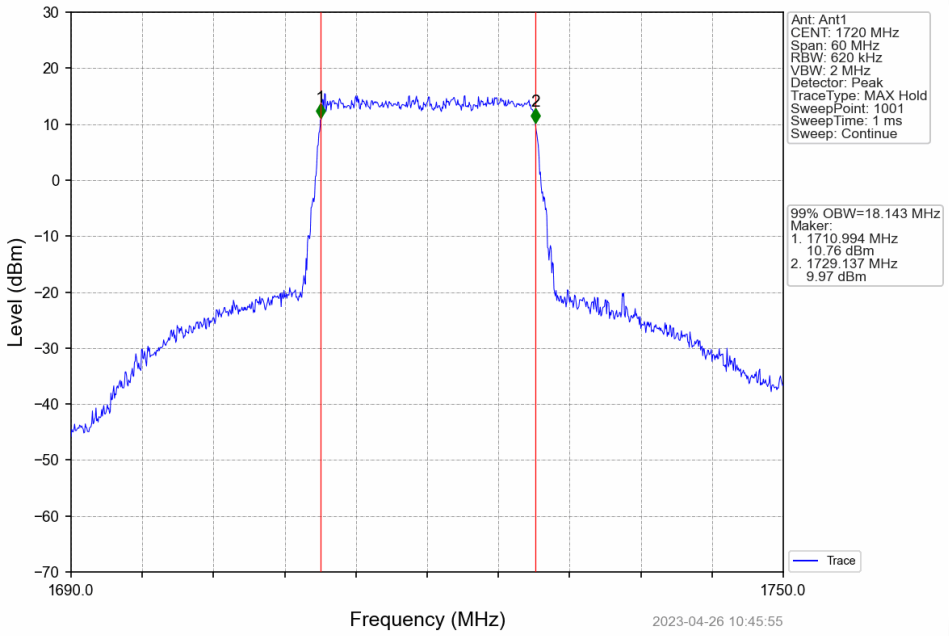
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



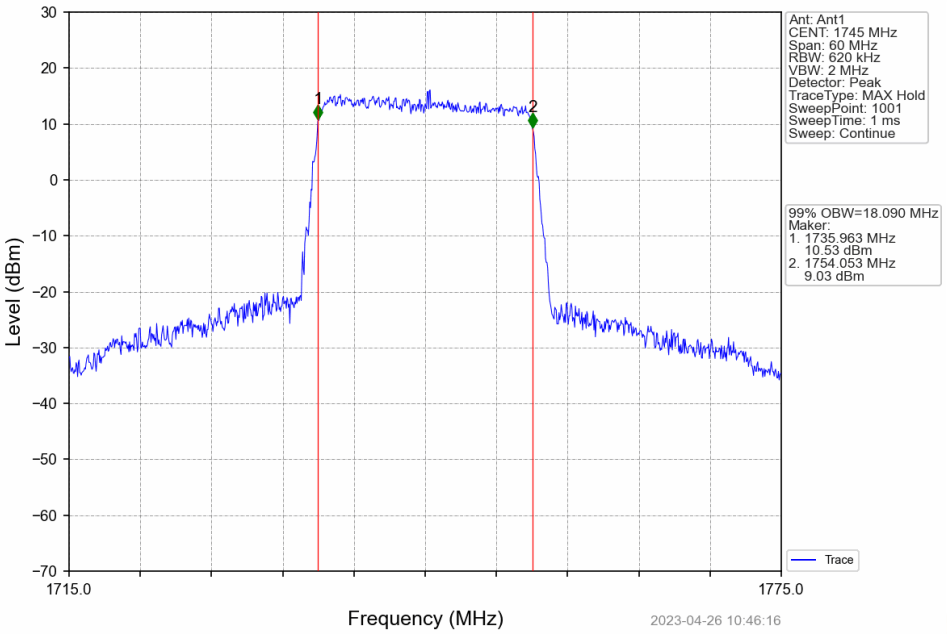
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



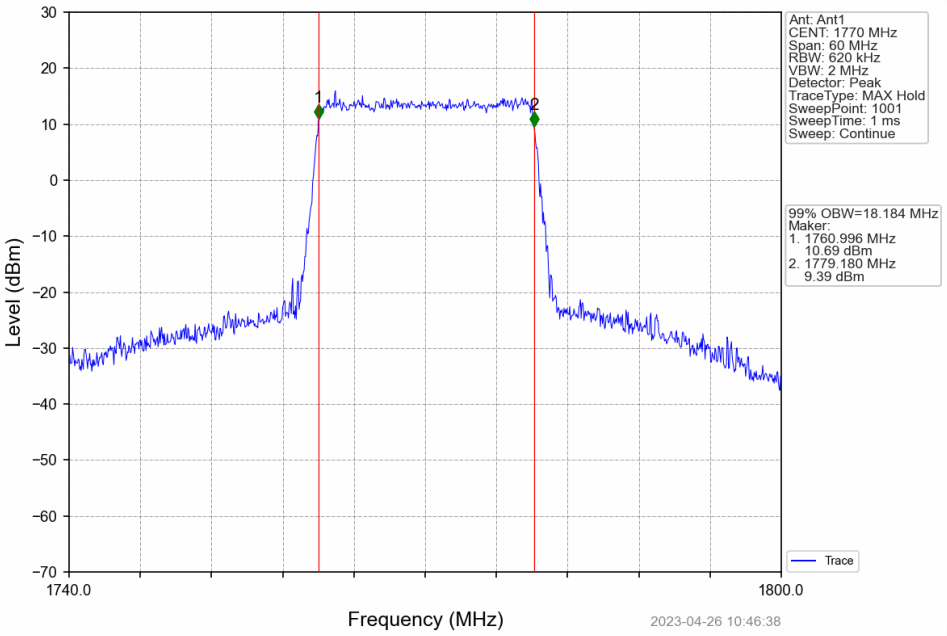
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



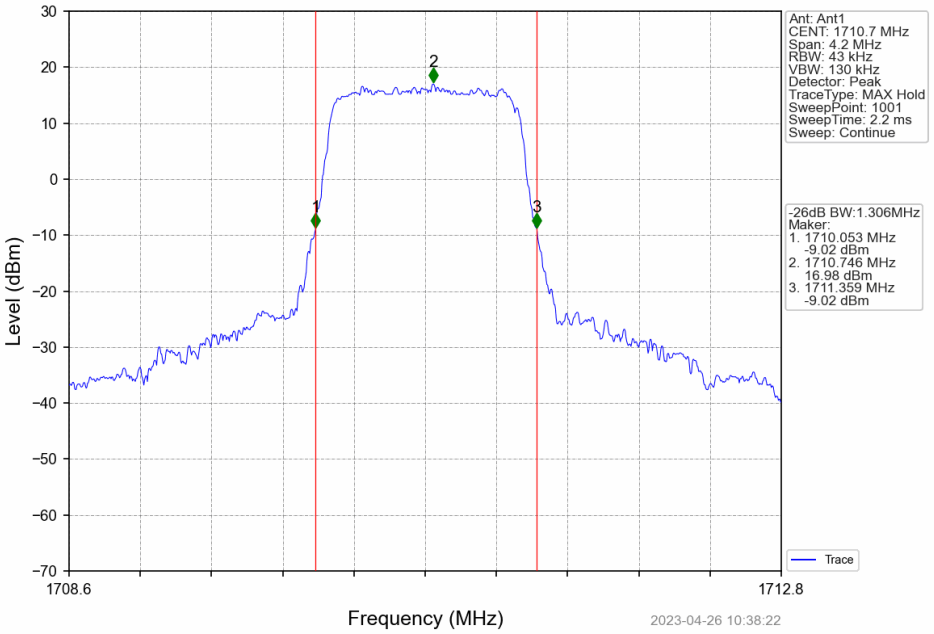
4.2 Band66_XDB

4.2.1 Test Result

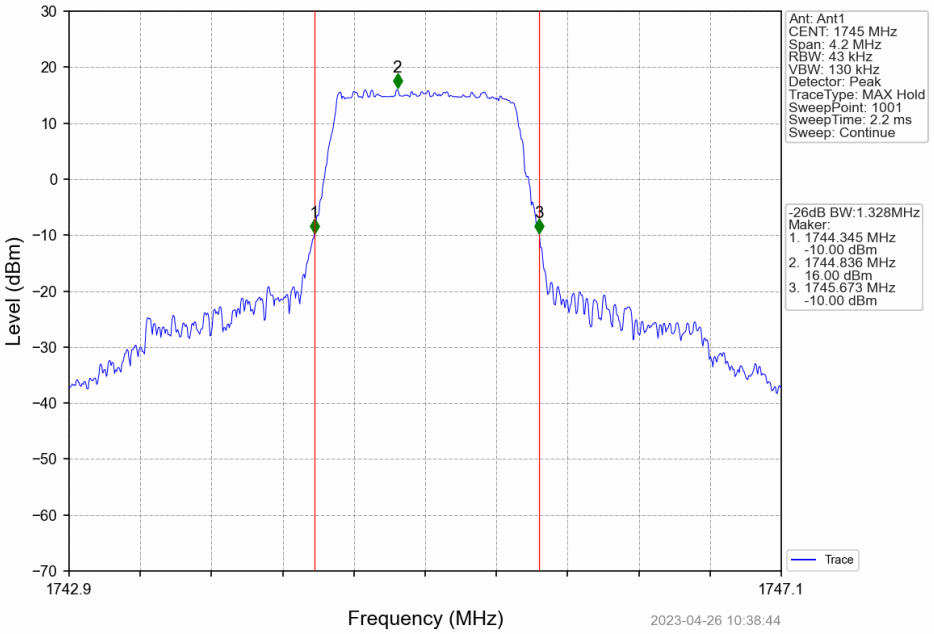
Band: 66 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.306	Pass
		1745	6	0	1.328	Pass
		1779.3	6	0	1.340	Pass
	16QAM	1710.7	6	0	1.315	Pass
		1745	6	0	1.309	Pass
		1779.3	6	0	1.320	Pass
3	QPSK	1711.5	15	0	2.985	Pass
		1745	15	0	2.994	Pass
		1778.5	15	0	2.998	Pass
	16QAM	1711.5	15	0	3.007	Pass
		1745	15	0	2.986	Pass
		1778.5	15	0	2.989	Pass
5	QPSK	1712.5	25	0	5.287	Pass
		1745	25	0	5.237	Pass
		1777.5	25	0	5.253	Pass
	16QAM	1712.5	25	0	5.315	Pass
		1745	25	0	5.265	Pass
		1777.5	25	0	5.262	Pass
10	QPSK	1715	50	0	10.290	Pass
		1745	50	0	10.206	Pass
		1775	50	0	10.593	Pass
	16QAM	1715	50	0	10.261	Pass
		1745	50	0	10.324	Pass
		1775	50	0	10.256	Pass
15	QPSK	1717.5	75	0	15.490	Pass
		1745	75	0	15.268	Pass
		1772.5	75	0	16.428	Pass
	16QAM	1717.5	75	0	15.308	Pass
		1745	75	0	15.198	Pass
		1772.5	75	0	16.995	Pass
20	QPSK	1720	100	0	20.196	Pass
		1745	100	0	20.164	Pass
		1770	100	0	19.962	Pass
	16QAM	1720	100	0	20.186	Pass
		1745	100	0	20.049	Pass
		1770	100	0	20.171	Pass

4.2.2 Test Graph

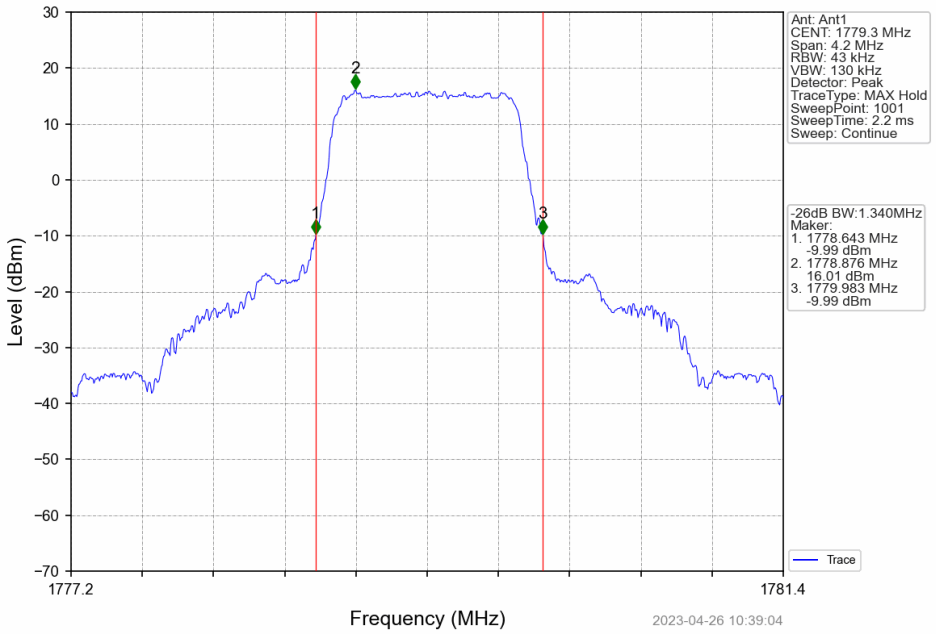
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



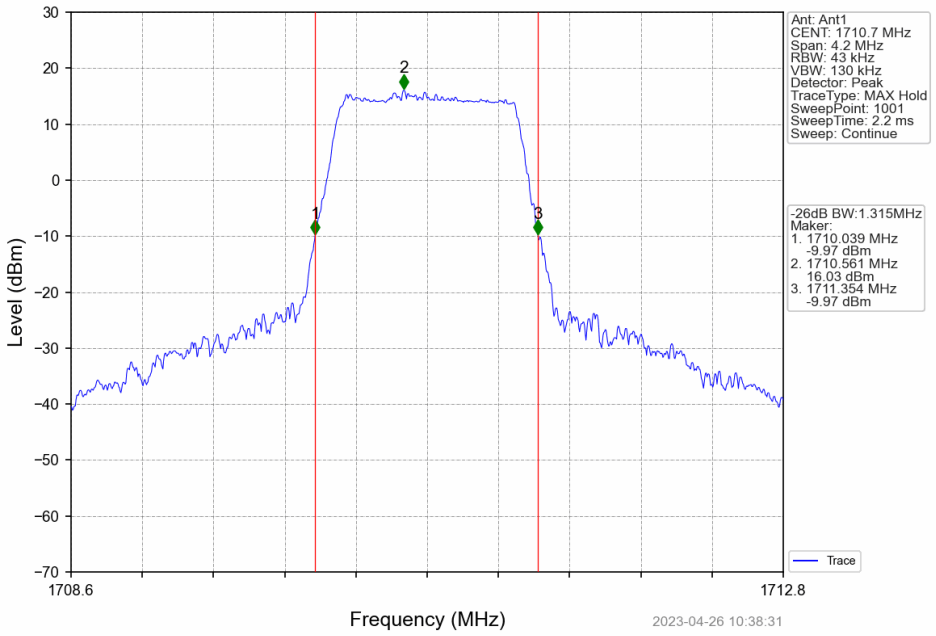
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



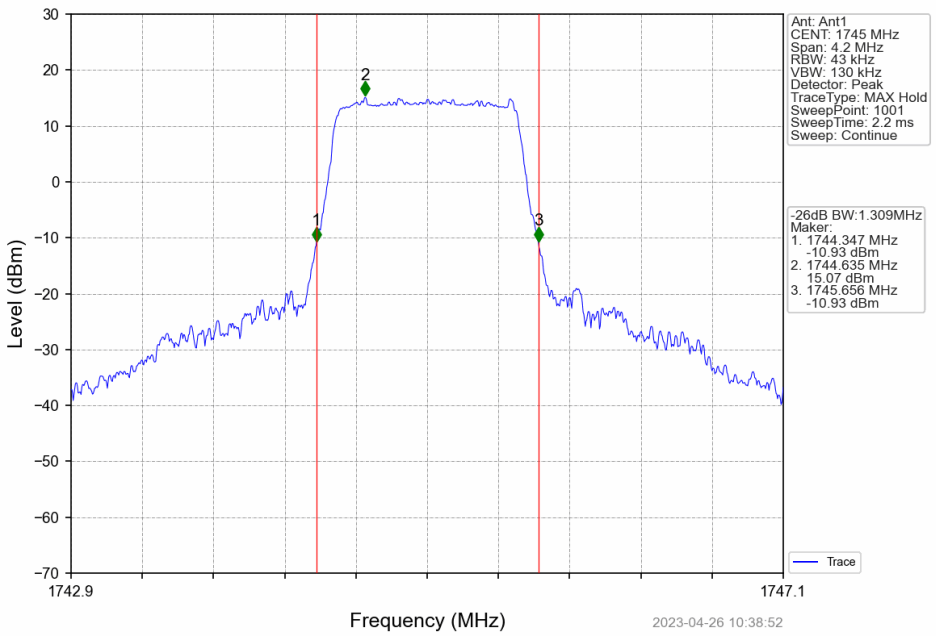
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



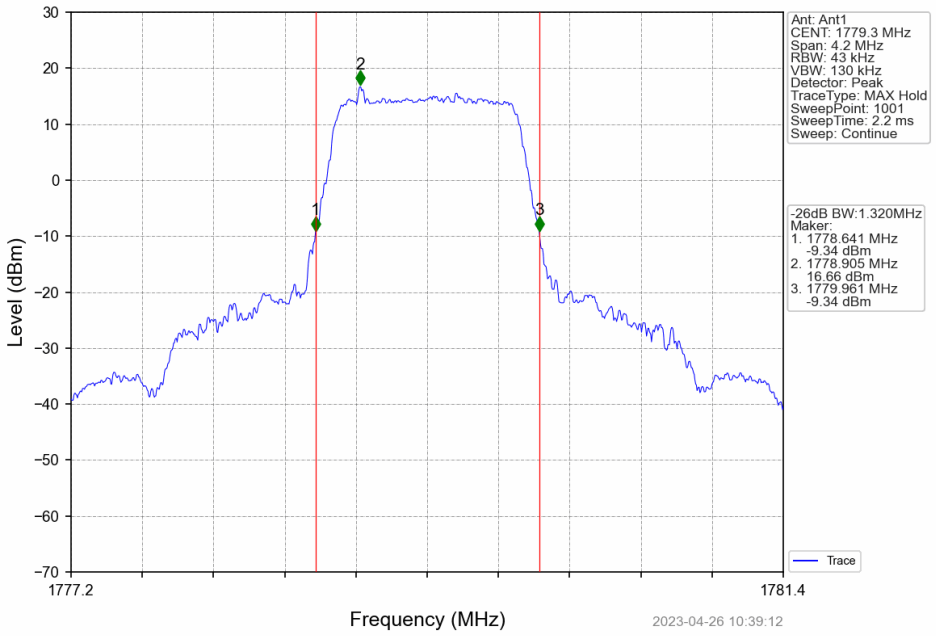
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



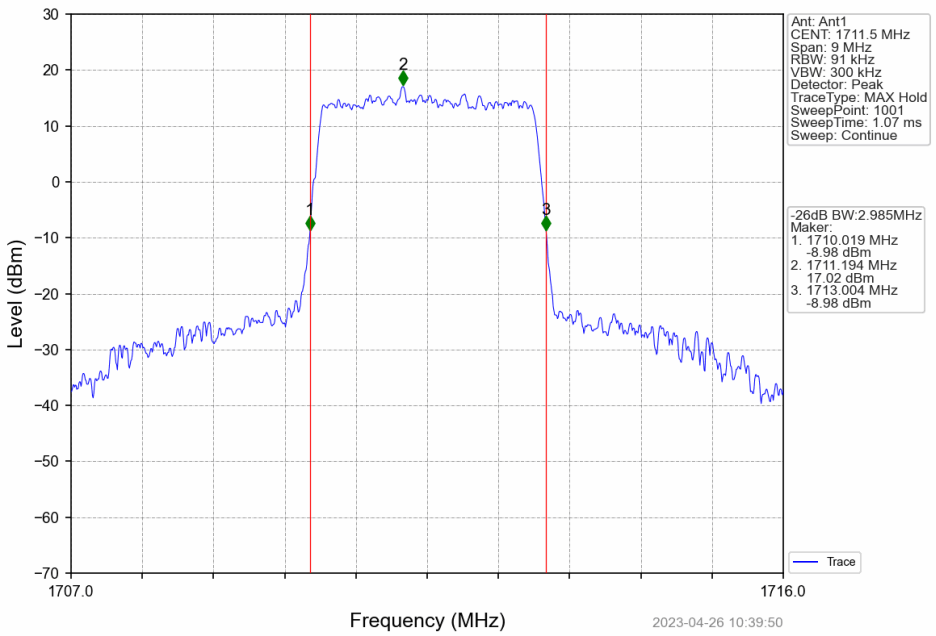
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



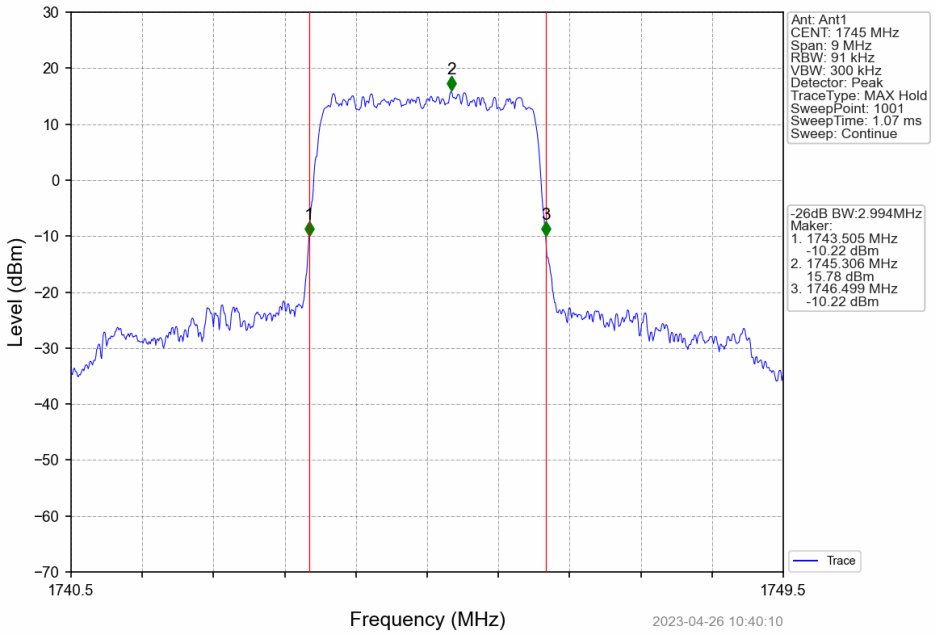
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



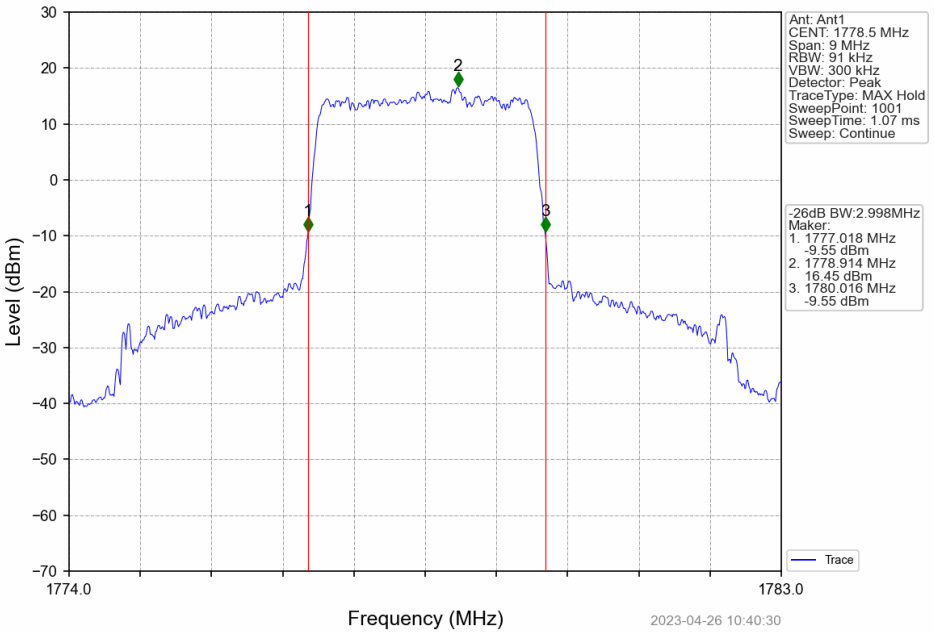
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



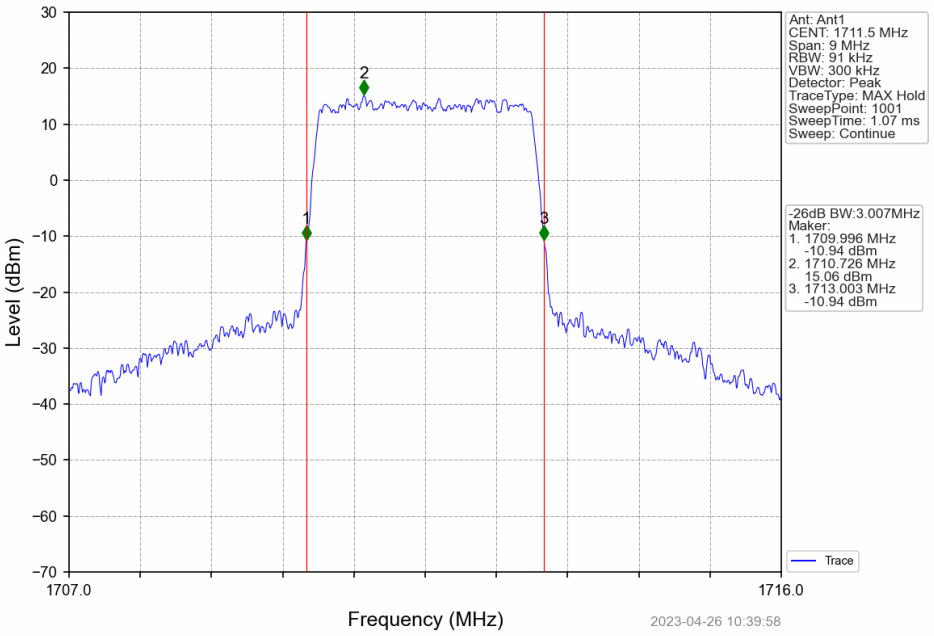
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



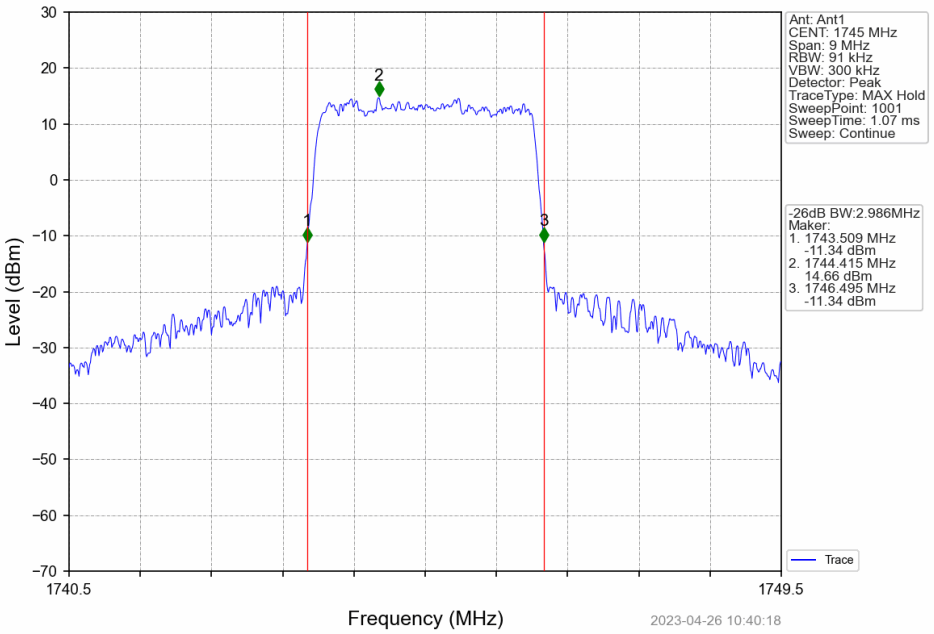
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



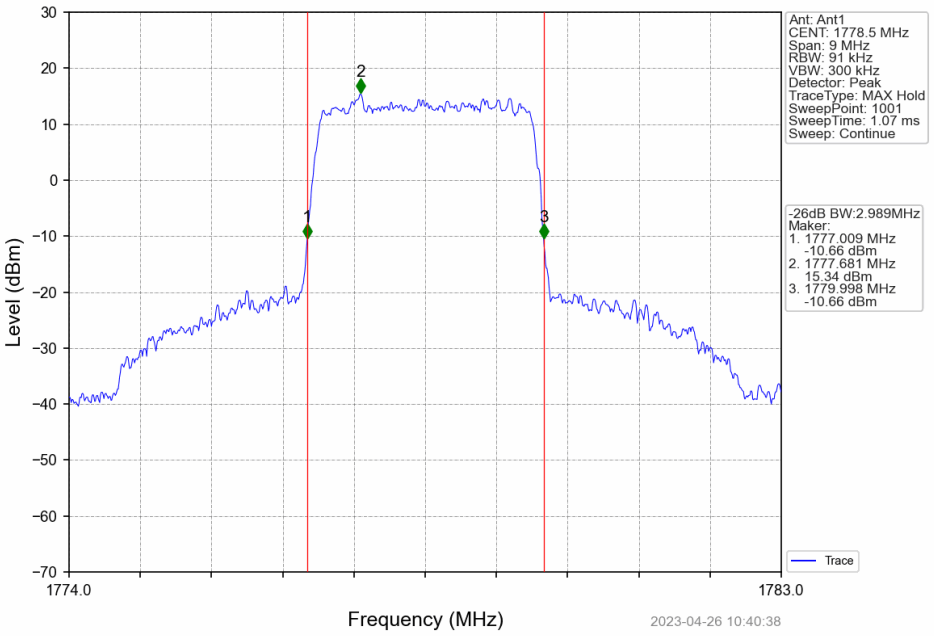
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



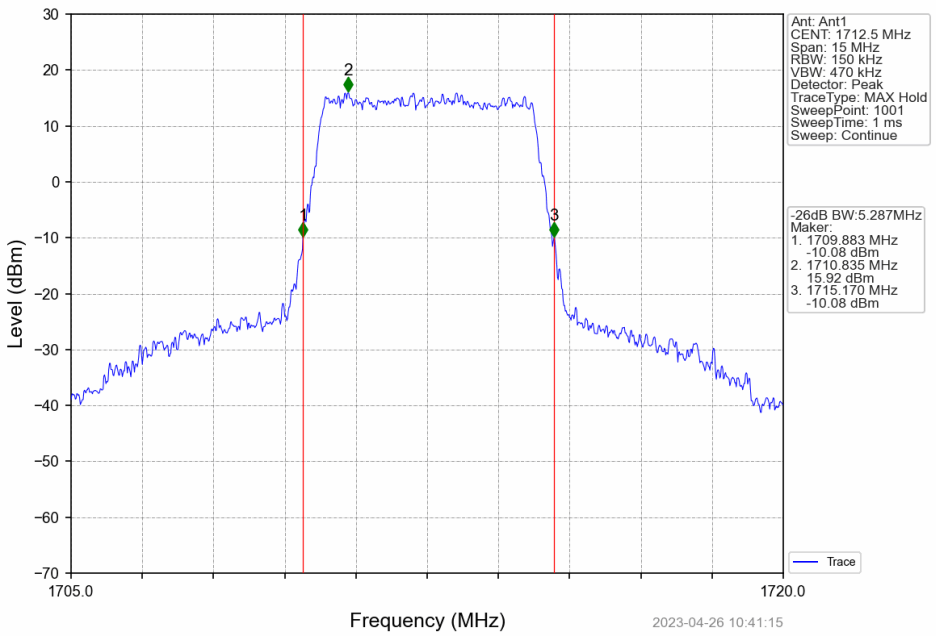
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



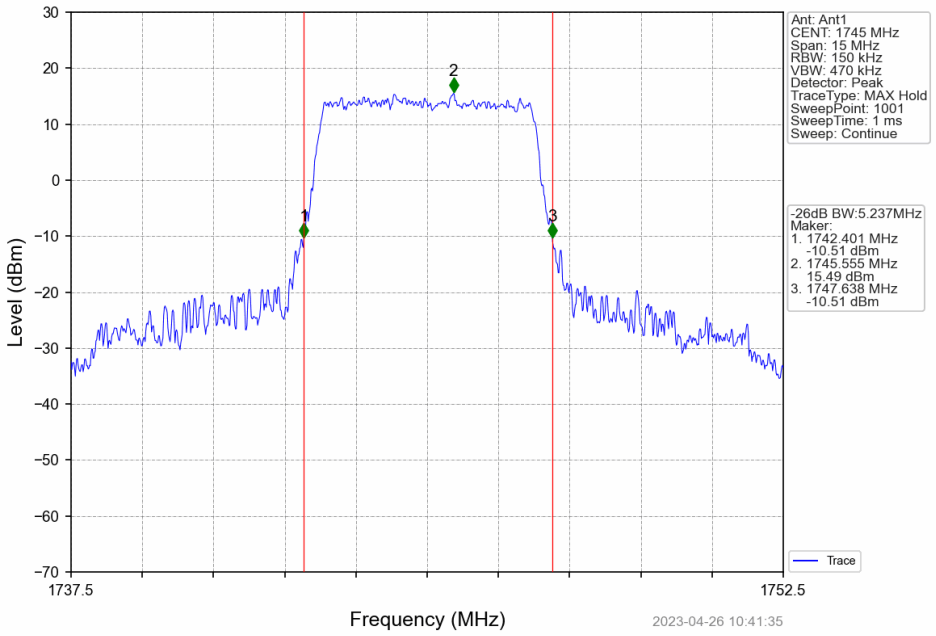
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



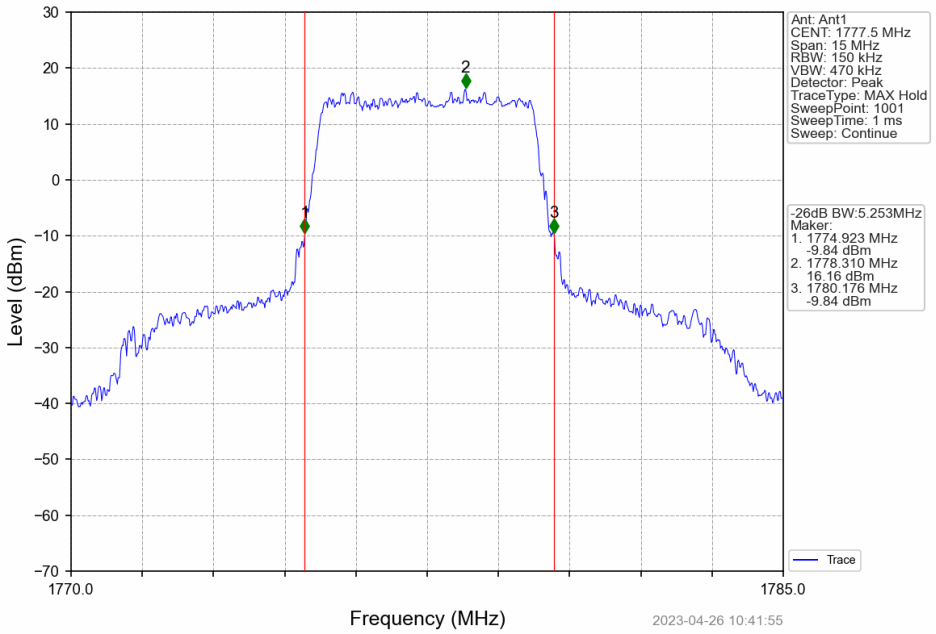
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



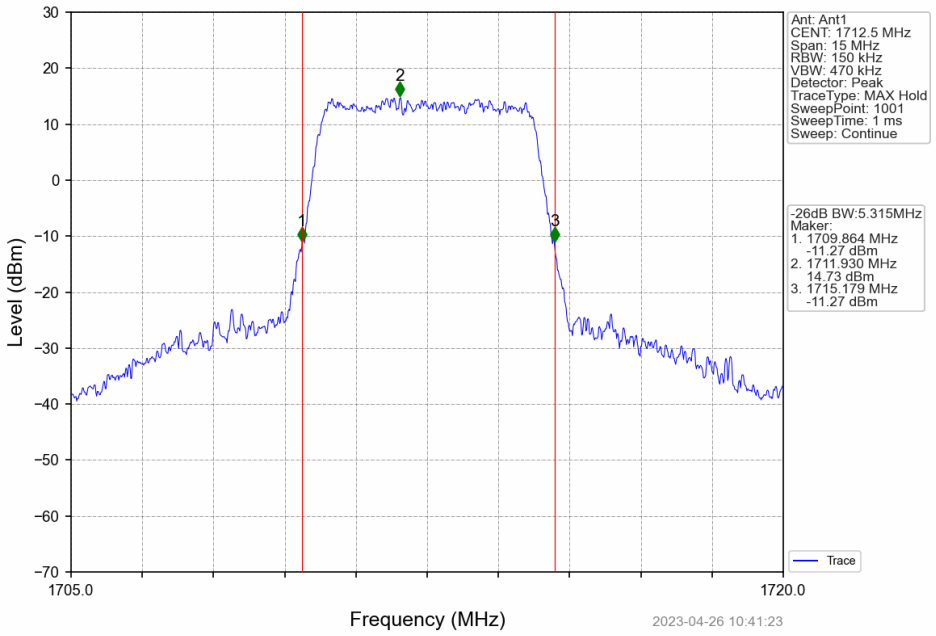
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



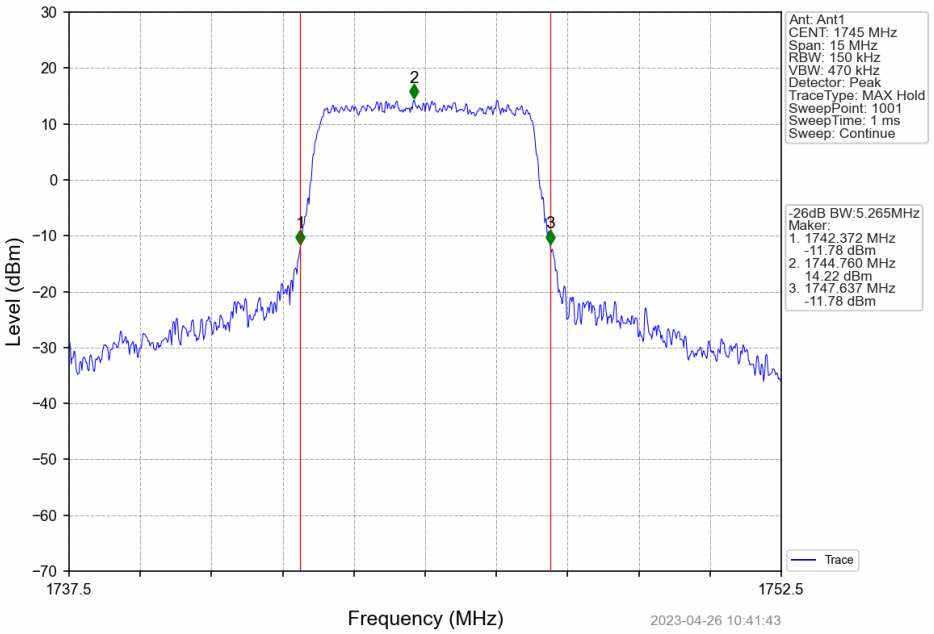
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



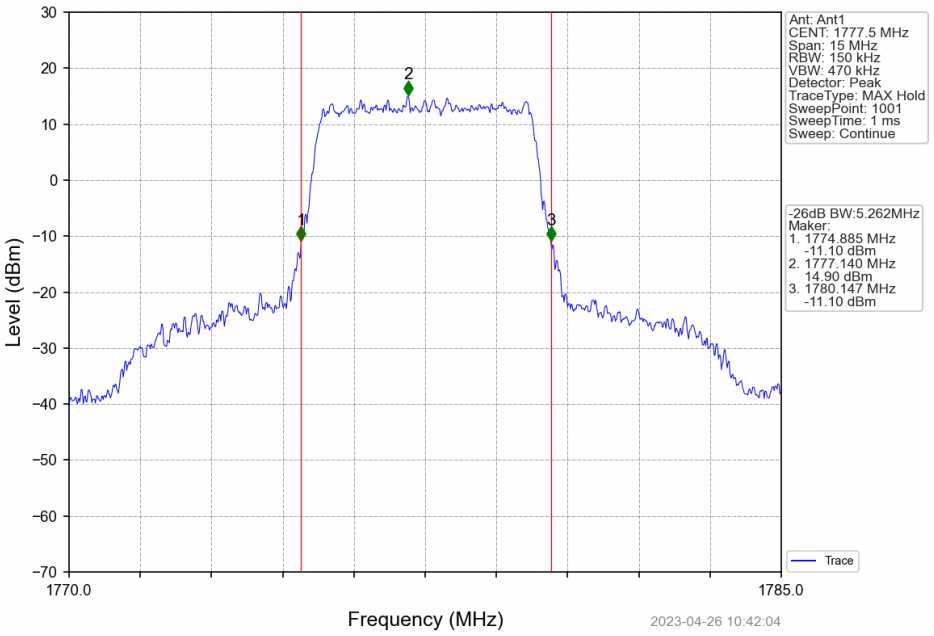
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



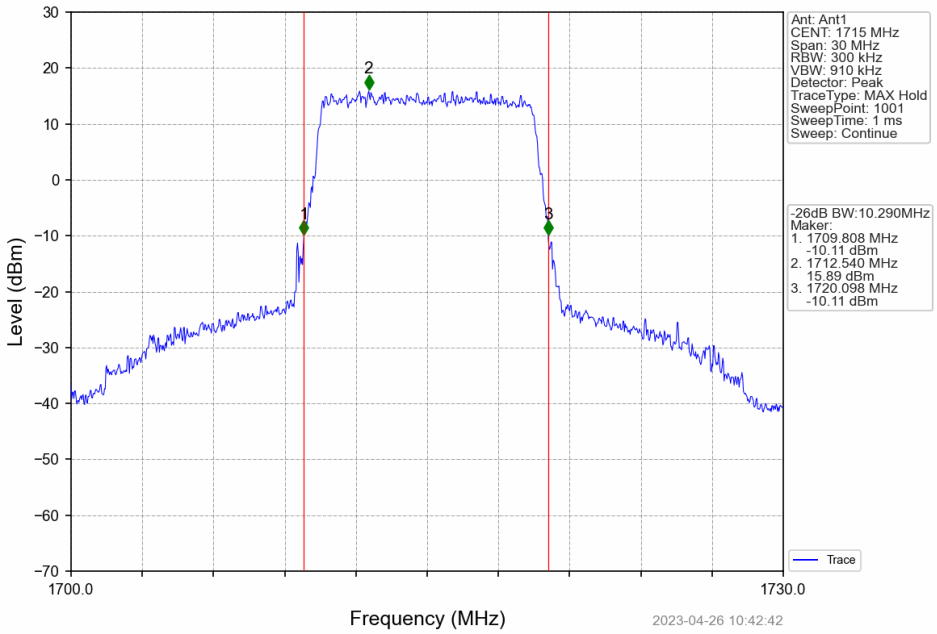
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



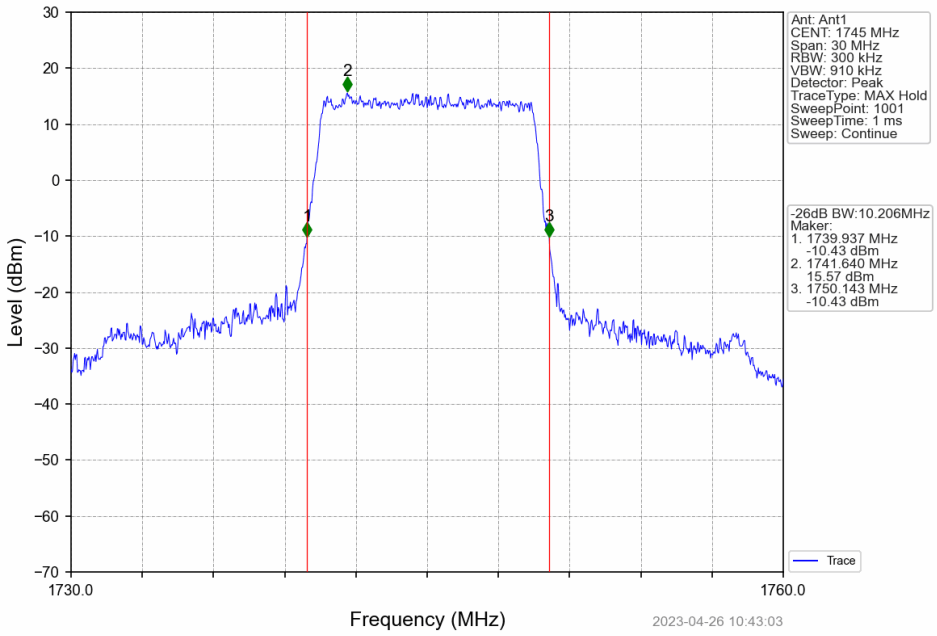
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



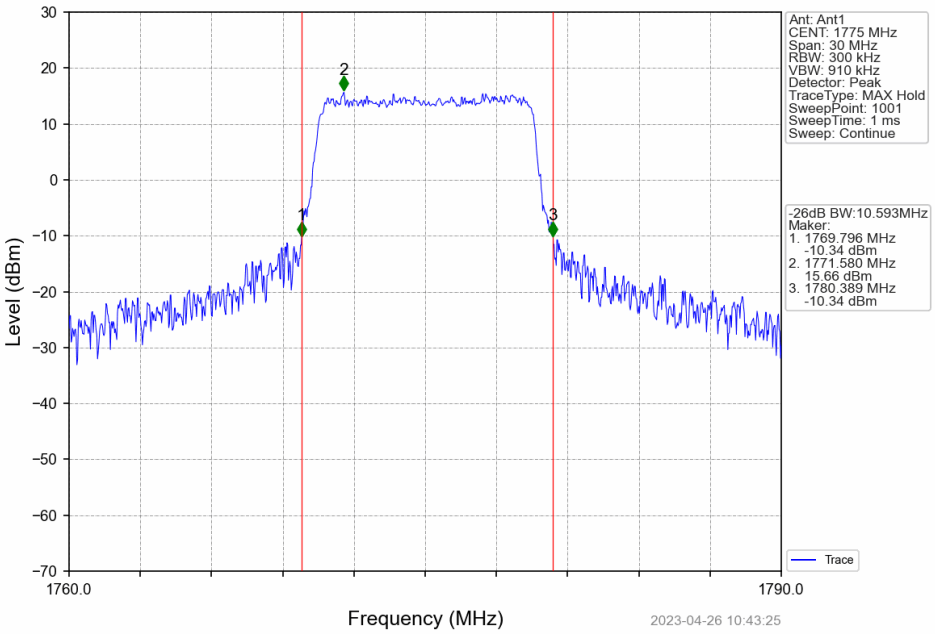
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



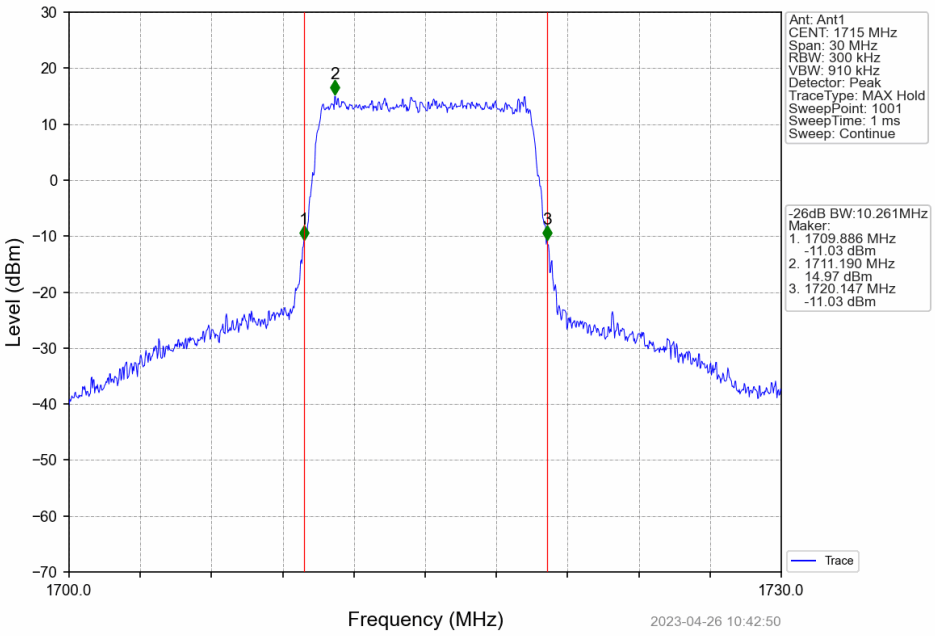
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



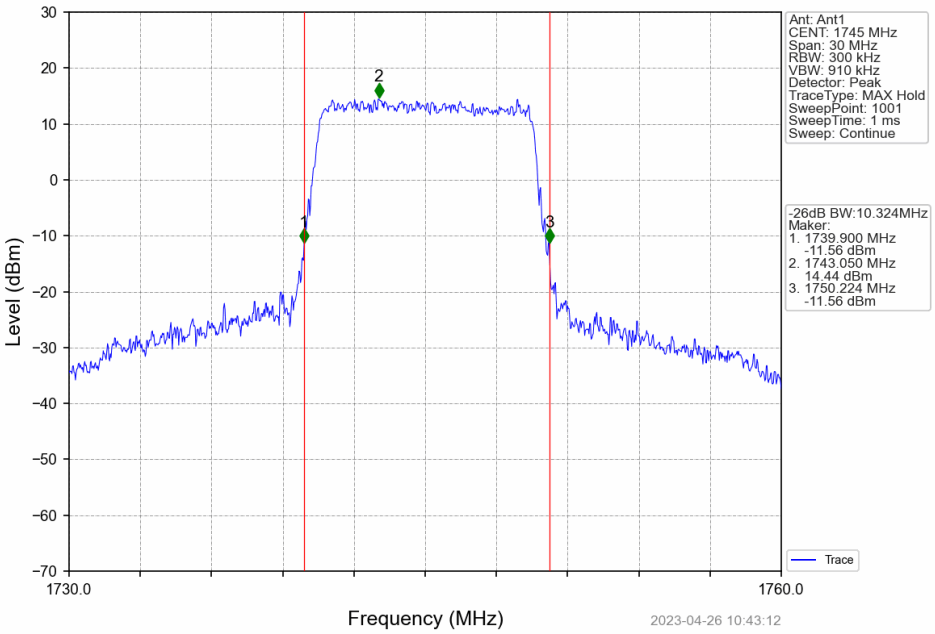
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



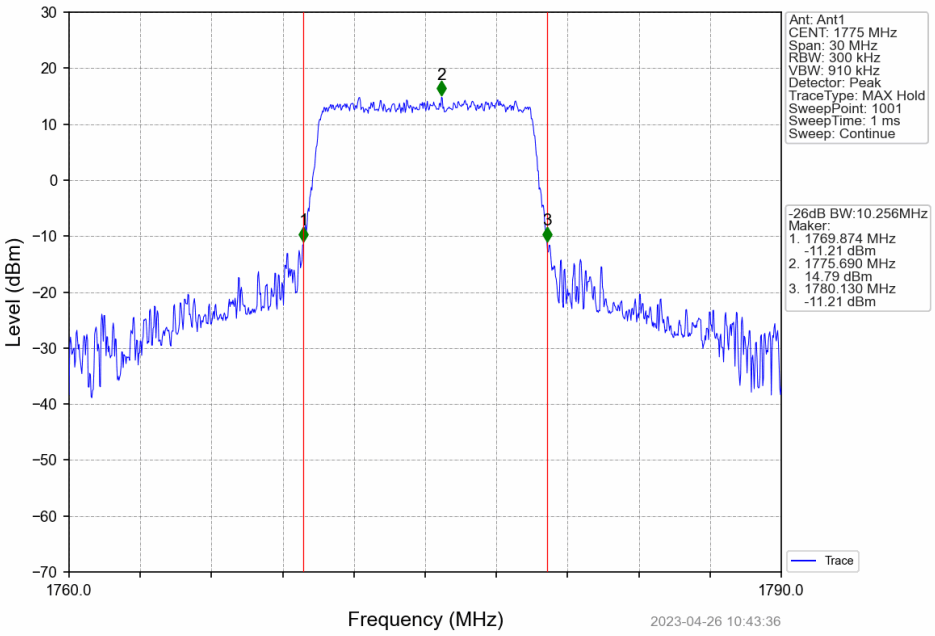
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



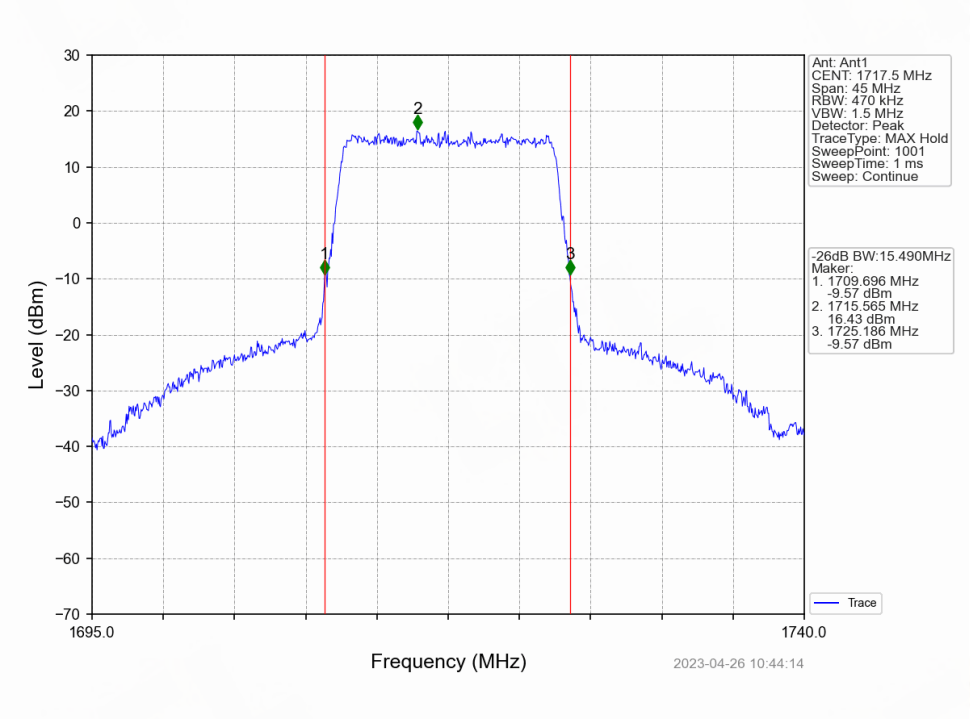
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



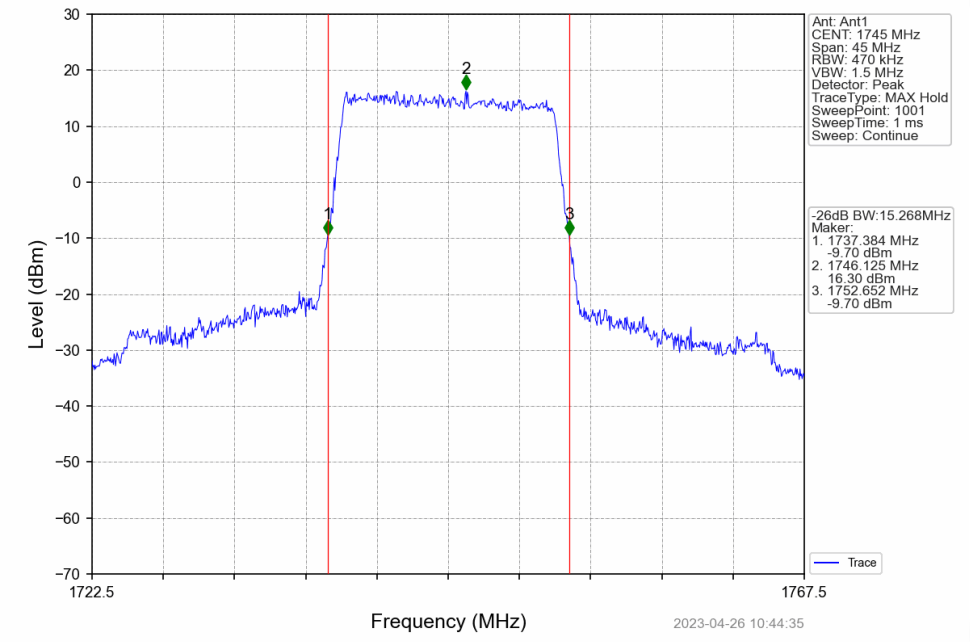
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



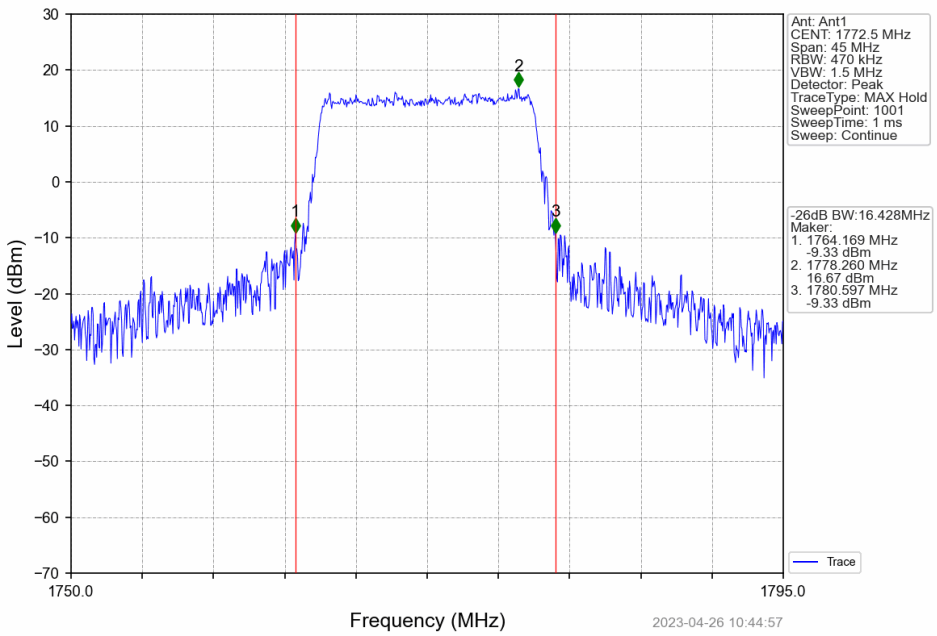
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



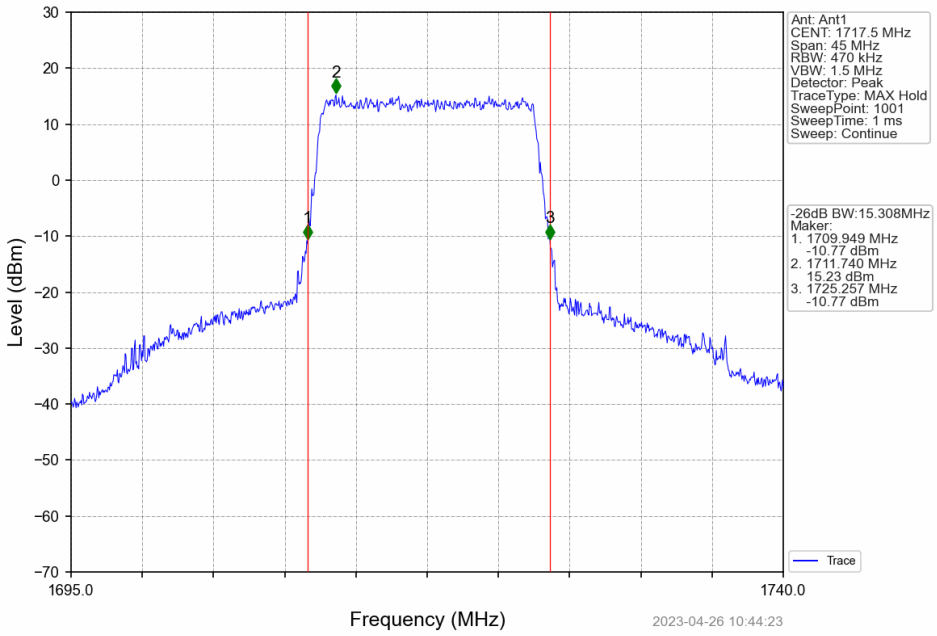
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



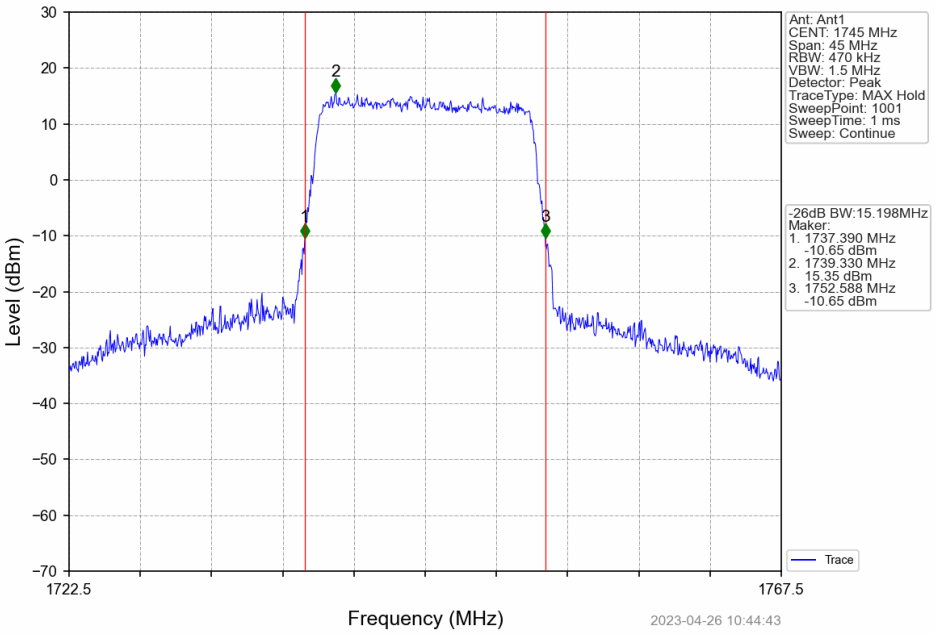
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



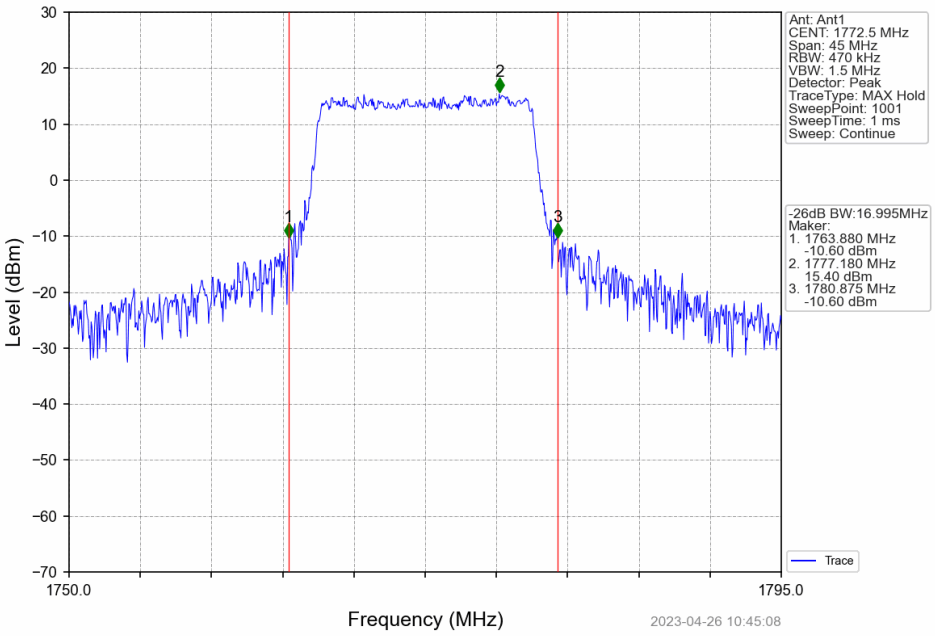
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



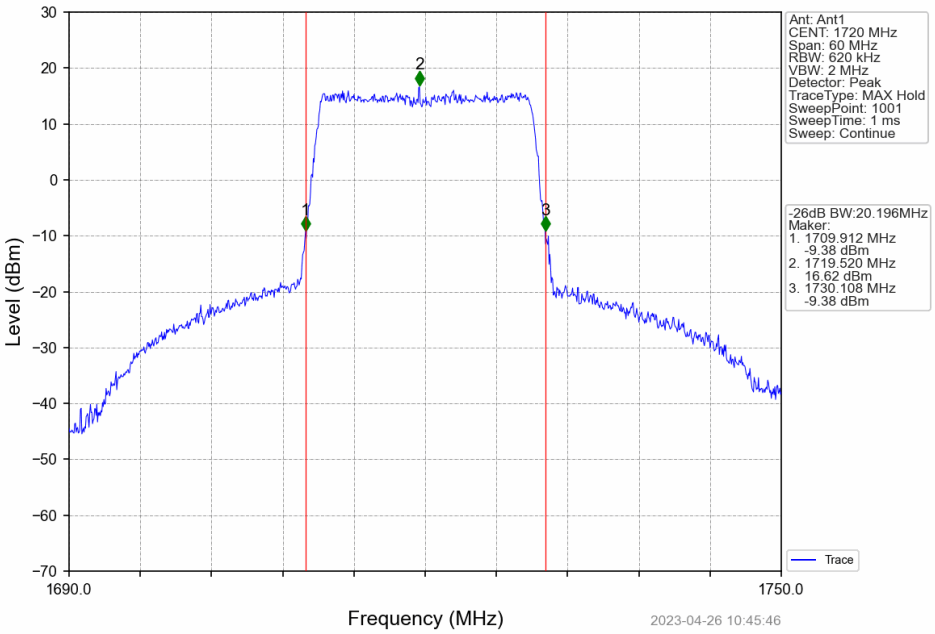
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



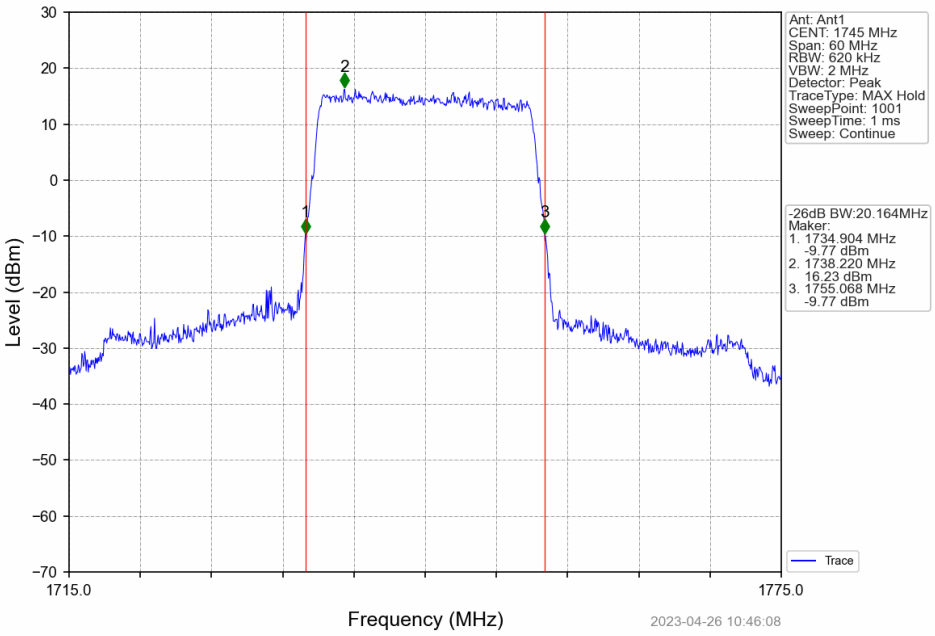
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



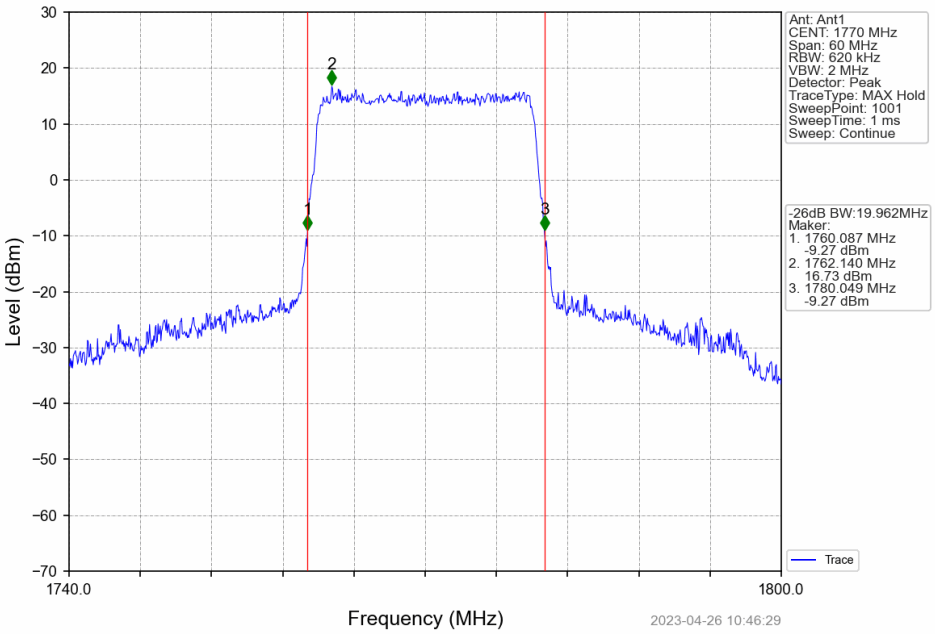
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



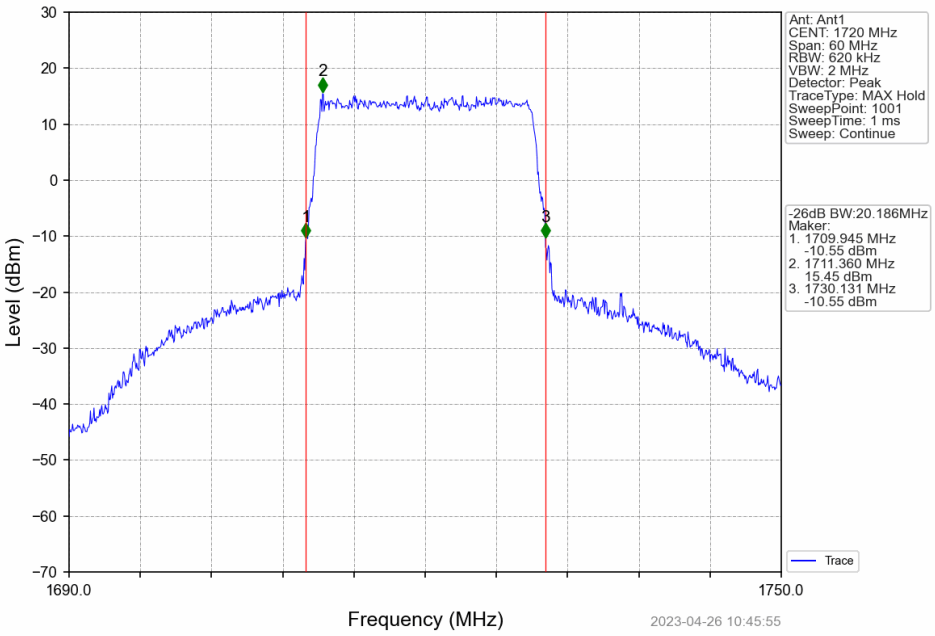
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



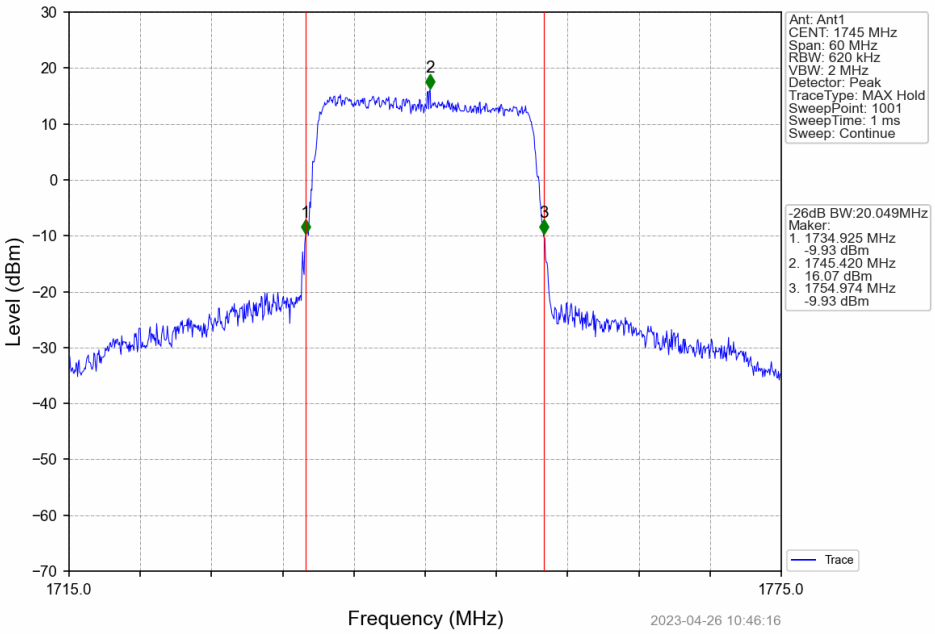
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



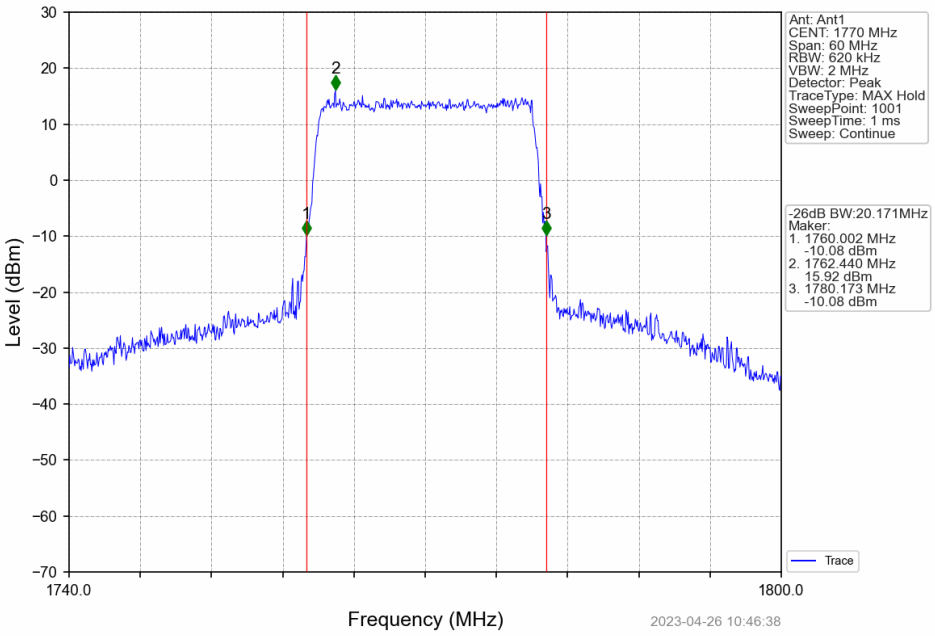
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



5. Peak-Average Ratio

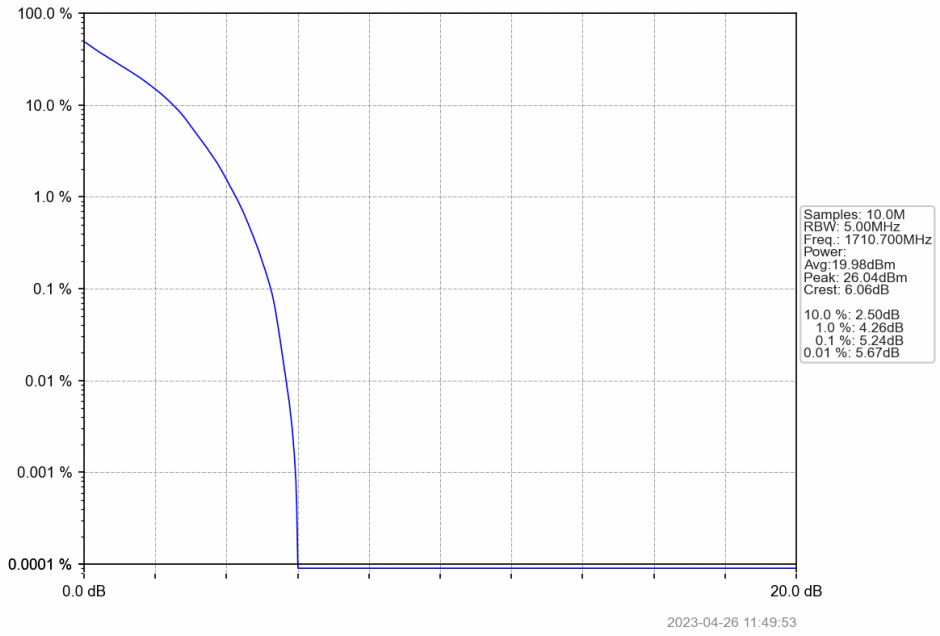
5.1 B66_1.4MHz

5.1.1 Test Result

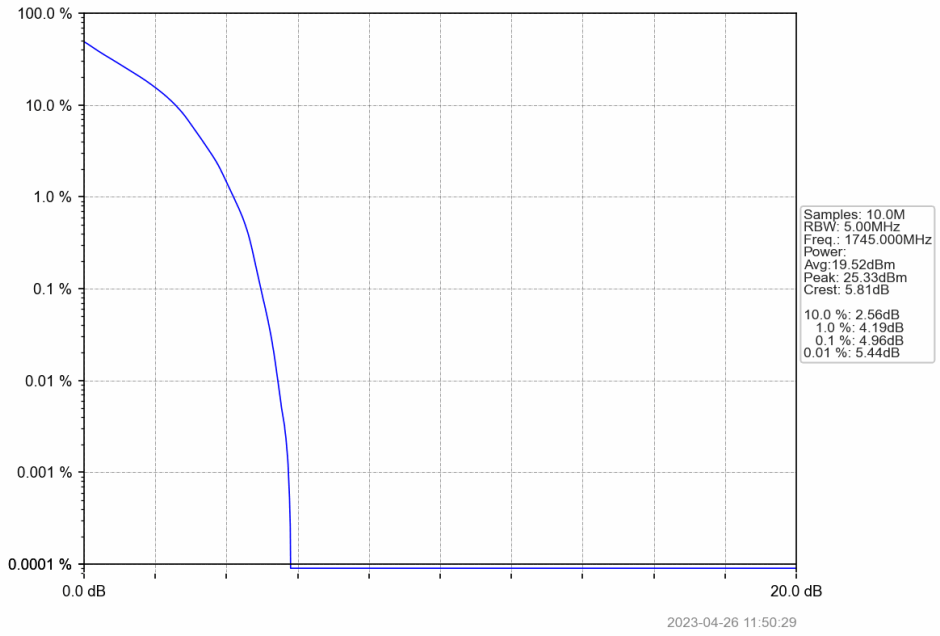
Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.24	<=13	Pass
	1745	6	0	4.96	<=13	Pass
	1779.3	6	0	4.99	<=13	Pass
16QAM	1710.7	6	0	5.99	<=13	Pass
	1745	6	0	5.86	<=13	Pass
	1779.3	6	0	5.69	<=13	Pass

5.1.2 Test Graph

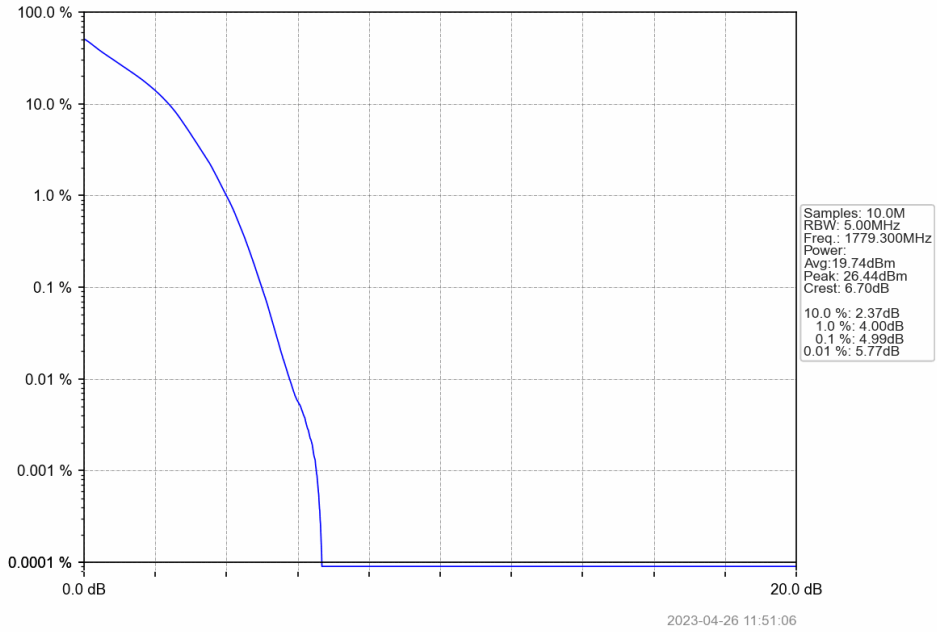
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



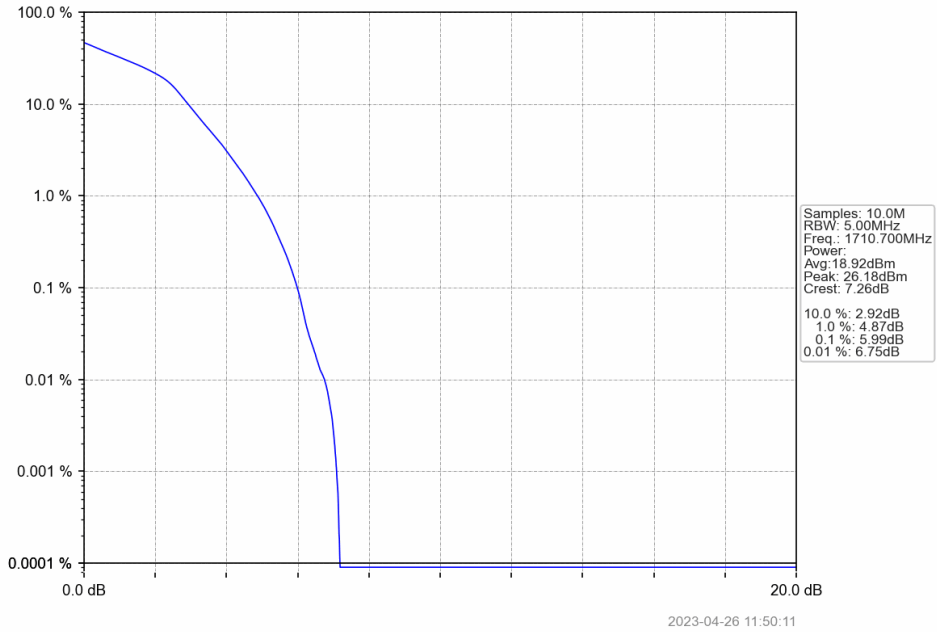
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



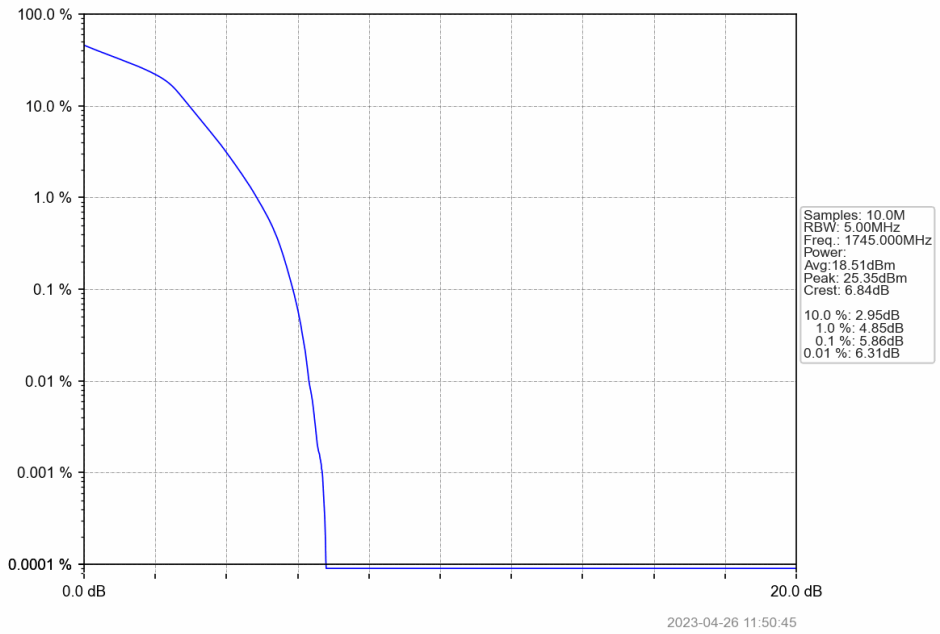
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



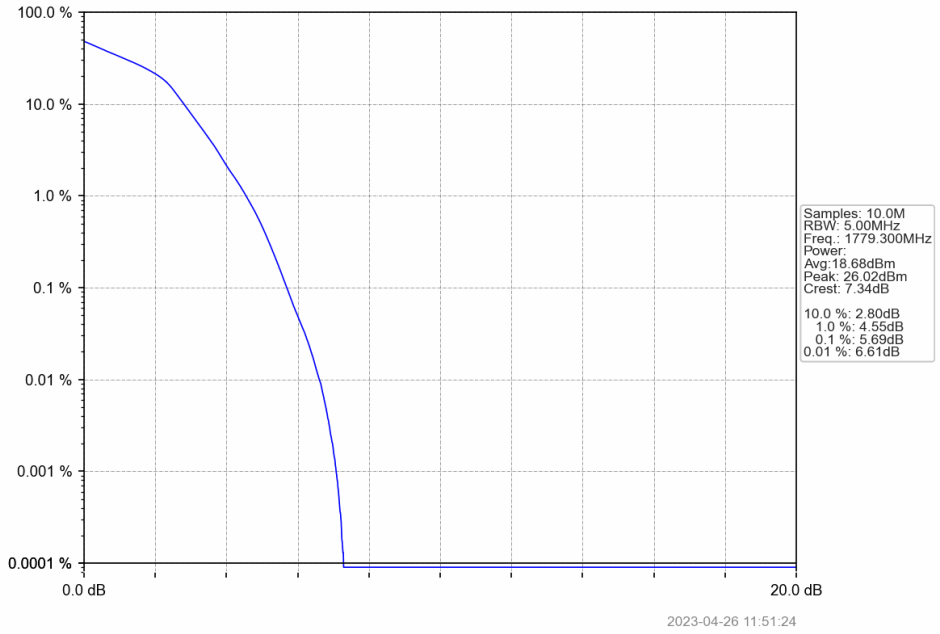
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



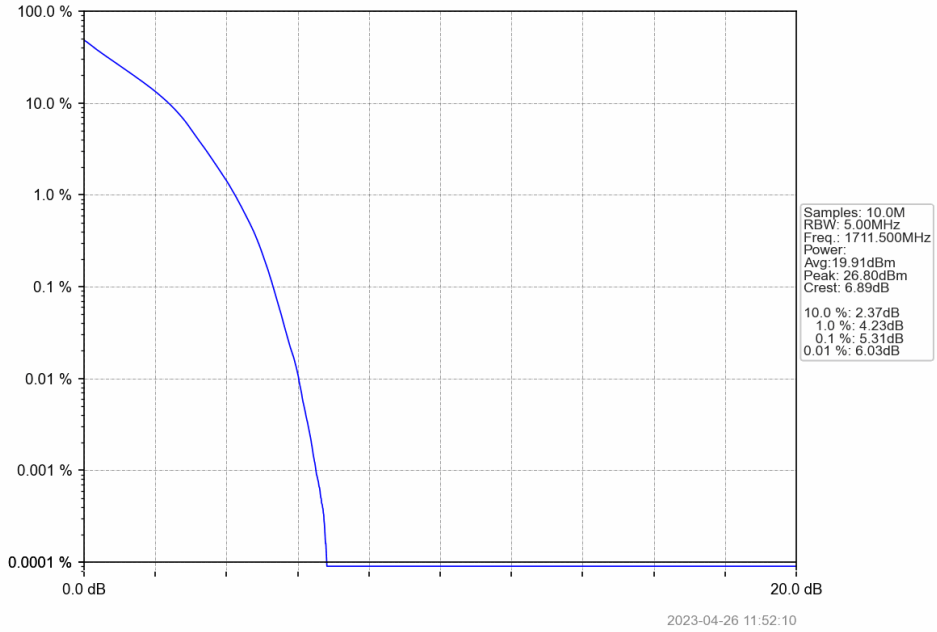
5.2 B66_3MHz

5.2.1 Test Result

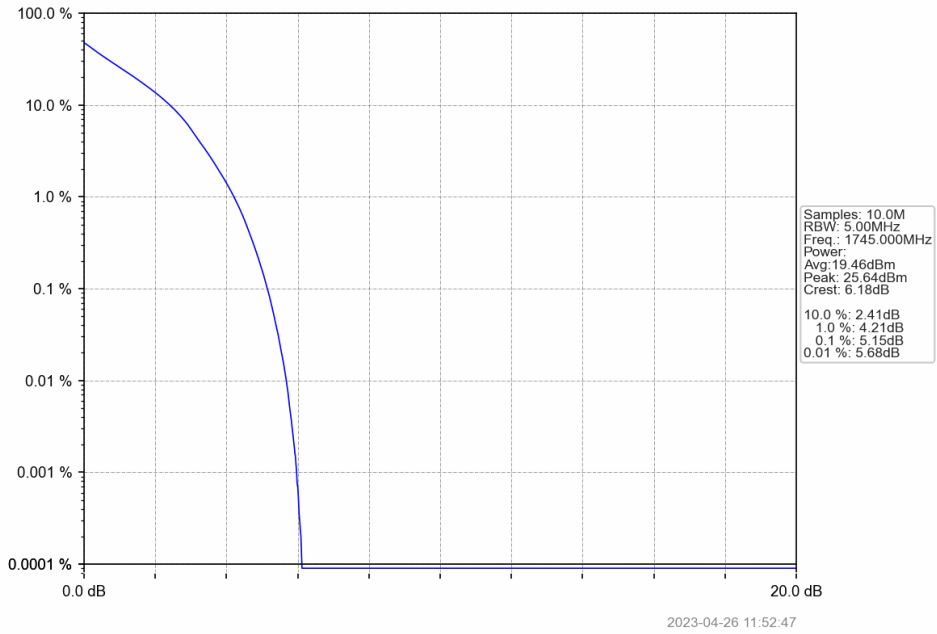
Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.31	<=13	Pass
	1745	15	0	5.15	<=13	Pass
	1778.5	15	0	5.11	<=13	Pass
16QAM	1711.5	15	0	6.06	<=13	Pass
	1745	15	0	6.01	<=13	Pass
	1778.5	15	0	5.84	<=13	Pass

5.2.2 Test Graph

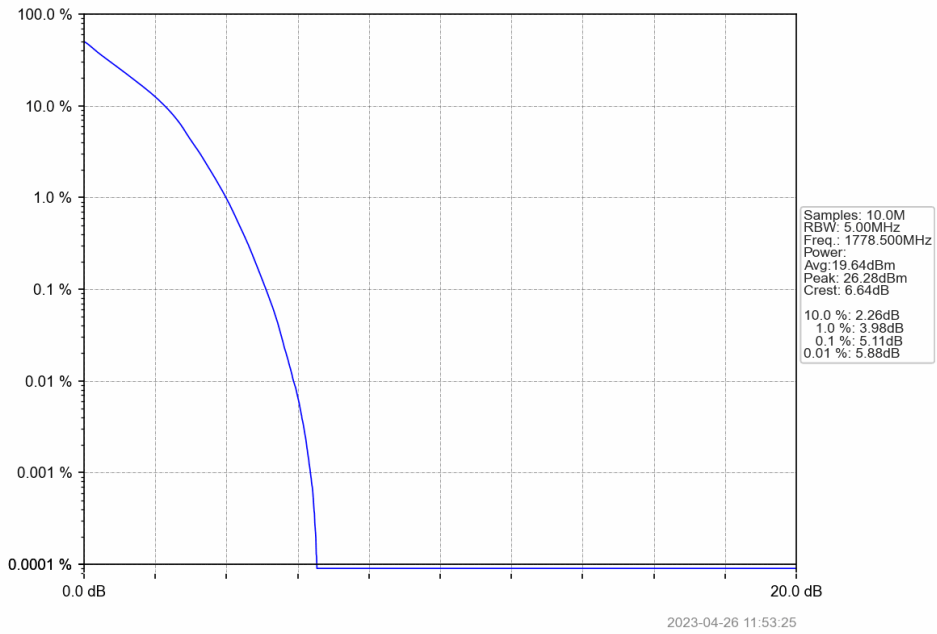
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV