

FCC LTE Band Test Data

FCC ID : 2AZHU-S52

Company: : Shenzhen Zigxico Technology Co., Ltd

EUT : Smart Camera

Model Number : S52

Reviewed By : *Kevin Yang*

1. Conducted Power

1.1 Test Result

1.1.1 B66_1.4MHz_

Band: 66 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	1710.7	1	0	25.81	Pass
			2	25.76	Pass
			5	25.81	Pass
		3	0	25.73	Pass
			2	25.71	Pass
			3	25.73	Pass
		6	0	24.91	Pass
	1745	1	0	25.75	Pass
			2	25.72	Pass
			5	25.77	Pass
		3	0	25.74	Pass
			2	25.77	Pass
			3	25.74	Pass
		6	0	24.78	Pass
	1779.3	1	0	24.92	Pass
			2	24.85	Pass
			5	24.88	Pass
		3	0	24.86	Pass
			2	24.83	Pass
			3	24.81	Pass
		6	0	26.95	Pass
16QAM	1710.7	1	0	24.82	Pass
			2	24.80	Pass
			5	24.88	Pass
		3	0	24.81	Pass
			2	24.82	Pass
			3	24.82	Pass
		6	0	26.71	Pass
	1745	1	0	24.89	Pass
			2	24.90	Pass
			5	24.92	Pass
		3	0	24.71	Pass
			2	24.72	Pass
			3	24.72	Pass
		6	0	26.72	Pass
	1779.3	1	0	26.89	Pass
			2	26.79	Pass
			5	26.84	Pass
		3	0	26.96	Pass
			2	27.01	Pass
			3	27.02	Pass
		6	0	25.96	Pass

1.1.2 B66_3MHz_

Band: 66 / Bandwidth: 3MHz / NTNV				
Modulation	Frequency	RB Allocation	Conducted Power	Verdict

	(MHz)	Size	Offset	(dBm)	
QPSK	1711.5	1	0	25.75	Pass
			7	25.76	Pass
			14	25.62	Pass
		8	0	24.97	Pass
			4	24.94	Pass
			7	24.98	Pass
		15	0	24.92	Pass
	1745	1	0	25.75	Pass
			7	25.81	Pass
			14	25.66	Pass
		8	0	24.72	Pass
			4	24.78	Pass
			7	24.74	Pass
		15	0	24.82	Pass
	1778.5	1	0	25.05	Pass
			7	24.99	Pass
			14	24.88	Pass
		8	0	27.06	Pass
			4	26.99	Pass
			7	26.94	Pass
		15	0	27.00	Pass
16QAM	1711.5	1	0	24.93	Pass
			7	24.95	Pass
			14	24.90	Pass
		8	0	26.82	Pass
			4	26.86	Pass
			7	26.89	Pass
		15	0	26.80	Pass
	1745	1	0	25.17	Pass
			7	25.24	Pass
			14	25.16	Pass
		8	0	26.77	Pass
			4	26.82	Pass
			7	26.86	Pass
		15	0	26.71	Pass
	1778.5	1	0	27.13	Pass
			7	27.08	Pass
			14	26.97	Pass
		8	0	26.08	Pass
			4	26.03	Pass
			7	26.01	Pass
		15	0	26.01	Pass

1.1.3 B66_5MHz_

Band: 66 / Bandwidth: 5MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	1712.5	1	0	25.89	Pass
			13	25.69	Pass
			24	25.68	Pass
		12	0	24.94	Pass
			6	24.93	Pass
			13	24.88	Pass
		25	0	24.85	Pass
	1745	1	0	25.81	Pass

		12	13	25.80	Pass
			24	25.78	Pass
			0	24.70	Pass
			6	24.80	Pass
			13	24.79	Pass
		25	0	24.73	Pass
	1777.5	1	0	25.45	Pass
			13	25.03	Pass
			24	24.90	Pass
		12	0	27.25	Pass
			6	27.20	Pass
			13	27.00	Pass
		25	0	27.14	Pass
16QAM	1712.5	1	0	24.70	Pass
			13	24.66	Pass
			24	24.65	Pass
		12	0	26.72	Pass
			6	26.79	Pass
			13	26.71	Pass
		25	0	26.70	Pass
	1745	1	0	24.81	Pass
			13	24.88	Pass
			24	24.93	Pass
		12	0	26.69	Pass
			6	26.73	Pass
			13	26.76	Pass
		25	0	26.69	Pass
	1777.5	1	0	24.68	Pass
			13	27.23	Pass
			24	27.13	Pass
		12	0	26.28	Pass
			6	26.21	Pass
			13	26.05	Pass
		25	0	26.15	Pass

1.1.4 B66_10MHz_

Band: 66 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	1715	1	0	25.81	Pass
			25	25.56	Pass
			49	25.62	Pass
		25	0	24.67	Pass
			13	24.74	Pass
			25	24.58	Pass
		50	0	24.65	Pass
	1745	1	0	25.59	Pass
			25	25.76	Pass
			49	25.67	Pass
		25	0	27.25	Pass
			13	24.69	Pass
			25	24.64	Pass
		50	0	24.57	Pass
	1775	1	0	25.76	Pass
			25	25.39	Pass
			49	25.01	Pass

		25	0	24.78	Pass
			13	24.65	Pass
			25	26.99	Pass
		50	0	24.54	Pass
16QAM	1715	1	0	25.14	Pass
			25	25.09	Pass
			49	25.08	Pass
		12	0	24.74	Pass
			19	24.69	Pass
			38	24.71	Pass
		27	0	26.48	Pass
	1745	1	0	24.62	Pass
			25	24.75	Pass
			49	24.78	Pass
		12	0	24.57	Pass
			19	24.68	Pass
			38	24.77	Pass
		27	0	26.47	Pass
	1775	1	0	24.91	Pass
			25	24.69	Pass
			49	27.03	Pass
		12	0	24.75	Pass
			19	24.55	Pass
			38	26.95	Pass
		27	23	26.02	Pass

1.1.5 B66_15MHz_

Band: 66 / Bandwidth: 15MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	1717.5	1	0	25.93	Pass
			38	25.76	Pass
			74	25.76	Pass
		36	0	24.88	Pass
			18	24.87	Pass
			39	24.77	Pass
		75	0	24.75	Pass
	1745	1	0	25.73	Pass
			38	25.95	Pass
			74	25.86	Pass
		36	0	24.63	Pass
			18	24.86	Pass
			39	24.89	Pass
		75	0	24.74	Pass
	1772.5	1	0	26.01	Pass
			38	25.77	Pass
			74	25.11	Pass
		36	0	25.10	Pass
			18	24.99	Pass
			39	24.63	Pass
		75	0	24.89	Pass
16QAM	1717.5	1	0	25.01	Pass
			38	25.01	Pass
			74	25.03	Pass
		12	0	24.67	Pass
			31	24.74	Pass

		27	63	24.48	Pass
			0	26.65	Pass
	1745	1	0	25.03	Pass
			38	25.33	Pass
			74	25.35	Pass
		12	0	27.30	Pass
			31	24.89	Pass
			63	24.72	Pass
		27	0	26.46	Pass
	1772.5	1	0	25.09	Pass
			38	24.99	Pass
			74	24.40	Pass
		12	0	24.78	Pass
			31	24.75	Pass
			63	27.05	Pass
		27	48	26.32	Pass

1.1.6 B66_20MHz_

Band: 66 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	1720	1	0	25.86	Pass
			50	25.67	Pass
			99	25.61	Pass
		50	0	24.82	Pass
			25	24.75	Pass
			50	24.56	Pass
		100	0	24.59	Pass
	1745	1	0	25.56	Pass
			50	25.85	Pass
			99	25.97	Pass
		50	0	27.31	Pass
			25	24.83	Pass
			50	24.79	Pass
		100	0	24.69	Pass
	1770	1	0	26.05	Pass
			50	25.78	Pass
			99	25.11	Pass
		50	0	25.19	Pass
			25	25.17	Pass
			50	24.77	Pass
		100	0	25.05	Pass
16QAM	1720	1	0	25.21	Pass
			50	25.20	Pass
			99	25.11	Pass
		12	0	24.64	Pass
			44	24.70	Pass
			88	27.27	Pass
		27	0	26.58	Pass
	1745	1	0	24.81	Pass
			50	25.08	Pass
			99	25.18	Pass
		12	0	27.21	Pass
			44	24.83	Pass
			88	24.79	Pass
		27	0	26.21	Pass

	1770	1	0	25.35	Pass
			50	25.26	Pass
			99	27.23	Pass
		12	0	24.90	Pass
			44	24.91	Pass
			88	26.97	Pass
		27	73	26.16	Pass

2. Frequency Stability

2.1 Test Result

2.1.1 B66_1.4MHz

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	22.759	0.0133	-2.5 to 2.5	Pass
					3.85	20.928	0.0122	-2.5 to 2.5	Pass
					4.43	20.814	0.0122	-2.5 to 2.5	Pass
				-30	3.85	20.471	0.0120	-2.5 to 2.5	Pass
				-20	3.85	18.926	0.0111	-2.5 to 2.5	Pass
				-10	3.85	16.608	0.0097	-2.5 to 2.5	Pass
				0	3.85	14.520	0.0085	-2.5 to 2.5	Pass
				10	3.85	15.020	0.0088	-2.5 to 2.5	Pass
				30	3.85	18.783	0.0110	-2.5 to 2.5	Pass
				40	3.85	16.565	0.0097	-2.5 to 2.5	Pass
				50	3.85	16.065	0.0094	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	10.028	0.0057	-2.5 to 2.5	Pass
					3.85	15.907	0.0091	-2.5 to 2.5	Pass
					4.43	15.578	0.0089	-2.5 to 2.5	Pass
				-30	3.85	17.624	0.0101	-2.5 to 2.5	Pass
				-20	3.85	17.338	0.0099	-2.5 to 2.5	Pass
				-10	3.85	11.158	0.0064	-2.5 to 2.5	Pass
				0	3.85	13.475	0.0077	-2.5 to 2.5	Pass
				10	3.85	11.101	0.0064	-2.5 to 2.5	Pass
				30	3.85	17.753	0.0102	-2.5 to 2.5	Pass
				40	3.85	11.888	0.0068	-2.5 to 2.5	Pass
				50	3.85	9.384	0.0054	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	20.413	0.0115	-2.5 to 2.5	Pass
					3.85	19.412	0.0109	-2.5 to 2.5	Pass
					4.43	18.740	0.0105	-2.5 to 2.5	Pass
				-30	3.85	18.582	0.0104	-2.5 to 2.5	Pass
				-20	3.85	18.067	0.0102	-2.5 to 2.5	Pass
				-10	3.85	16.537	0.0093	-2.5 to 2.5	Pass
				0	3.85	16.880	0.0095	-2.5 to 2.5	Pass
				10	3.85	20.328	0.0114	-2.5 to 2.5	Pass
				30	3.85	14.763	0.0083	-2.5 to 2.5	Pass
				40	3.85	13.518	0.0076	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	12.546	0.0073	-2.5 to 2.5	Pass
					3.85	6.495	0.0038	-2.5 to 2.5	Pass
					4.43	13.990	0.0082	-2.5 to 2.5	Pass
				-30	3.85	13.747	0.0080	-2.5 to 2.5	Pass
				-20	3.85	12.159	0.0071	-2.5 to 2.5	Pass
				-10	3.85	14.806	0.0087	-2.5 to 2.5	Pass
				0	3.85	17.395	0.0102	-2.5 to 2.5	Pass
				10	3.85	-13.075	-0.0076	-2.5 to 2.5	Pass
				30	3.85	13.647	0.0080	-2.5 to 2.5	Pass
				40	3.85	13.990	0.0082	-2.5 to 2.5	Pass
				50	3.85	4.921	0.0029	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	0.744	0.0004	-2.5 to 2.5	Pass
					3.85	-18.768	-0.0108	-2.5 to 2.5	Pass
					4.43	-12.660	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-22.202	-0.0127	-2.5 to 2.5	Pass
				-20	3.85	-12.860	-0.0074	-2.5 to 2.5	Pass

				-10	3.85	-11.930	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-11.659	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-7.067	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-16.079	-0.0092	-2.5 to 2.5	Pass
				40	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				50	3.85	-20.728	-0.0119	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	2.961	0.0017	-2.5 to 2.5	Pass
					3.85	-16.093	-0.0090	-2.5 to 2.5	Pass
					4.43	-14.777	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-13.418	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-22.645	-0.0127	-2.5 to 2.5	Pass
				-10	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-9.155	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-6.151	-0.0035	-2.5 to 2.5	Pass
				30	3.85	2.174	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				50	3.85	-5.565	-0.0031	-2.5 to 2.5	Pass

2.1.2 B66_3MHz

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	21.243	0.0124	-2.5 to 2.5	Pass
					3.85	19.612	0.0115	-2.5 to 2.5	Pass
					4.43	18.654	0.0109	-2.5 to 2.5	Pass
				-30	3.85	19.026	0.0111	-2.5 to 2.5	Pass
				-20	3.85	16.193	0.0095	-2.5 to 2.5	Pass
				-10	3.85	18.740	0.0109	-2.5 to 2.5	Pass
				0	3.85	16.866	0.0099	-2.5 to 2.5	Pass
				10	3.85	16.365	0.0096	-2.5 to 2.5	Pass
				30	3.85	17.238	0.0101	-2.5 to 2.5	Pass
				40	3.85	16.122	0.0094	-2.5 to 2.5	Pass
				50	3.85	16.909	0.0099	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	15.893	0.0091	-2.5 to 2.5	Pass
					3.85	17.881	0.0102	-2.5 to 2.5	Pass
					4.43	17.323	0.0099	-2.5 to 2.5	Pass
				-30	3.85	16.336	0.0094	-2.5 to 2.5	Pass
				-20	3.85	17.610	0.0101	-2.5 to 2.5	Pass
				-10	3.85	14.148	0.0081	-2.5 to 2.5	Pass
				0	3.85	18.239	0.0105	-2.5 to 2.5	Pass
				10	3.85	19.083	0.0109	-2.5 to 2.5	Pass
				30	3.85	12.617	0.0072	-2.5 to 2.5	Pass
				40	3.85	18.468	0.0106	-2.5 to 2.5	Pass
				50	3.85	10.471	0.0060	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	17.753	0.0100	-2.5 to 2.5	Pass
					3.85	19.083	0.0107	-2.5 to 2.5	Pass
					4.43	18.454	0.0104	-2.5 to 2.5	Pass
				-30	3.85	17.810	0.0100	-2.5 to 2.5	Pass
				-20	3.85	14.563	0.0082	-2.5 to 2.5	Pass
				-10	3.85	14.935	0.0084	-2.5 to 2.5	Pass
				0	3.85	14.334	0.0081	-2.5 to 2.5	Pass
				10	3.85	16.551	0.0093	-2.5 to 2.5	Pass
				30	3.85	16.422	0.0092	-2.5 to 2.5	Pass
				40	3.85	13.218	0.0074	-2.5 to 2.5	Pass
				50	3.85	16.894	0.0095	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	11.144	0.0065	-2.5 to 2.5	Pass

					3.85	14.348	0.0084	-2.5 to 2.5	Pass
					4.43	13.890	0.0081	-2.5 to 2.5	Pass
				-30	3.85	17.080	0.0100	-2.5 to 2.5	Pass
				-20	3.85	15.807	0.0092	-2.5 to 2.5	Pass
				-10	3.85	13.962	0.0082	-2.5 to 2.5	Pass
				0	3.85	14.334	0.0084	-2.5 to 2.5	Pass
				10	3.85	15.135	0.0088	-2.5 to 2.5	Pass
				30	3.85	18.954	0.0111	-2.5 to 2.5	Pass
				40	3.85	15.993	0.0093	-2.5 to 2.5	Pass
				50	3.85	16.665	0.0097	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	9.670	0.0055	-2.5 to 2.5	Pass
					3.85	-13.404	-0.0077	-2.5 to 2.5	Pass
					4.43	-21.973	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-17.195	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-9.942	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-14.420	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-9.799	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-15.421	-0.0088	-2.5 to 2.5	Pass
				30	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				50	3.85	-19.884	-0.0114	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	12.589	0.0071	-2.5 to 2.5	Pass
					3.85	-13.304	-0.0075	-2.5 to 2.5	Pass
					4.43	-8.712	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-19.927	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-14.119	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-12.045	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-13.189	-0.0074	-2.5 to 2.5	Pass
				10	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				30	3.85	2.375	0.0013	-2.5 to 2.5	Pass
				40	3.85	15.163	0.0085	-2.5 to 2.5	Pass
				50	3.85	-4.878	-0.0027	-2.5 to 2.5	Pass

2.1.3 B66_5MHz

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	23.003	0.0134	-2.5 to 2.5	Pass
					3.85	25.177	0.0147	-2.5 to 2.5	Pass
					4.43	21.071	0.0123	-2.5 to 2.5	Pass
				-30	3.85	18.139	0.0106	-2.5 to 2.5	Pass
				-20	3.85	20.599	0.0120	-2.5 to 2.5	Pass
				-10	3.85	17.624	0.0103	-2.5 to 2.5	Pass
				0	3.85	15.349	0.0090	-2.5 to 2.5	Pass
				10	3.85	16.522	0.0096	-2.5 to 2.5	Pass
				30	3.85	15.249	0.0089	-2.5 to 2.5	Pass
				40	3.85	14.863	0.0087	-2.5 to 2.5	Pass
				50	3.85	17.381	0.0101	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	9.341	0.0054	-2.5 to 2.5	Pass
					3.85	17.624	0.0101	-2.5 to 2.5	Pass
					4.43	17.710	0.0101	-2.5 to 2.5	Pass
				-30	3.85	14.906	0.0085	-2.5 to 2.5	Pass
				-20	3.85	17.838	0.0102	-2.5 to 2.5	Pass
				-10	3.85	15.850	0.0091	-2.5 to 2.5	Pass
				0	3.85	13.790	0.0079	-2.5 to 2.5	Pass
				10	3.85	19.698	0.0113	-2.5 to 2.5	Pass

				30	3.85	15.821	0.0091	-2.5 to 2.5	Pass
				40	3.85	18.325	0.0105	-2.5 to 2.5	Pass
				50	3.85	11.387	0.0065	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	18.053	0.0102	-2.5 to 2.5	Pass
					3.85	17.195	0.0097	-2.5 to 2.5	Pass
					4.43	15.292	0.0086	-2.5 to 2.5	Pass
				-30	3.85	15.550	0.0087	-2.5 to 2.5	Pass
				-20	3.85	15.578	0.0088	-2.5 to 2.5	Pass
				-10	3.85	16.322	0.0092	-2.5 to 2.5	Pass
				0	3.85	15.006	0.0084	-2.5 to 2.5	Pass
				10	3.85	15.678	0.0088	-2.5 to 2.5	Pass
				30	3.85	16.723	0.0094	-2.5 to 2.5	Pass
				40	3.85	15.306	0.0086	-2.5 to 2.5	Pass
				50	3.85	15.850	0.0089	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	0.014	0.0000	-2.5 to 2.5	Pass
					3.85	-18.840	-0.0110	-2.5 to 2.5	Pass
					4.43	-17.080	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-21.400	-0.0125	-2.5 to 2.5	Pass
				-10	3.85	-19.598	-0.0114	-2.5 to 2.5	Pass
				0	3.85	3.920	0.0023	-2.5 to 2.5	Pass
				10	3.85	4.077	0.0024	-2.5 to 2.5	Pass
				30	3.85	-11.802	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				50	3.85	5.350	0.0031	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	-11.587	-0.0066	-2.5 to 2.5	Pass
					3.85	-15.349	-0.0088	-2.5 to 2.5	Pass
					4.43	-17.409	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-14.563	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-15.063	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-14.677	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-7.339	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-7.854	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-18.182	-0.0104	-2.5 to 2.5	Pass
				50	3.85	3.576	0.0020	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-13.347	-0.0075	-2.5 to 2.5	Pass
					3.85	-13.518	-0.0076	-2.5 to 2.5	Pass
					4.43	-15.936	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-7.682	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-18.625	-0.0105	-2.5 to 2.5	Pass
				0	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				10	3.85	-13.933	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-4.921	-0.0028	-2.5 to 2.5	Pass
				40	3.85	4.778	0.0027	-2.5 to 2.5	Pass
				50	3.85	6.123	0.0034	-2.5 to 2.5	Pass

2.1.4 B66_10MHz

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	20.742	0.0121	-2.5 to 2.5	Pass
					3.85	13.661	0.0080	-2.5 to 2.5	Pass
					4.43	15.621	0.0091	-2.5 to 2.5	Pass
				-30	3.85	18.497	0.0108	-2.5 to 2.5	Pass

				-20	3.85	16.637	0.0097	-2.5 to 2.5	Pass
				-10	3.85	14.763	0.0086	-2.5 to 2.5	Pass
				0	3.85	15.221	0.0089	-2.5 to 2.5	Pass
				10	3.85	15.149	0.0088	-2.5 to 2.5	Pass
				30	3.85	19.841	0.0116	-2.5 to 2.5	Pass
				40	3.85	13.890	0.0081	-2.5 to 2.5	Pass
				50	3.85	15.092	0.0088	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	17.352	0.0099	-2.5 to 2.5	Pass
					3.85	18.525	0.0106	-2.5 to 2.5	Pass
					4.43	14.548	0.0083	-2.5 to 2.5	Pass
				-30	3.85	13.633	0.0078	-2.5 to 2.5	Pass
				-20	3.85	13.490	0.0077	-2.5 to 2.5	Pass
				-10	3.85	16.794	0.0096	-2.5 to 2.5	Pass
				0	3.85	14.849	0.0085	-2.5 to 2.5	Pass
				10	3.85	15.635	0.0090	-2.5 to 2.5	Pass
				30	3.85	12.131	0.0070	-2.5 to 2.5	Pass
				40	3.85	14.520	0.0083	-2.5 to 2.5	Pass
				50	3.85	12.074	0.0069	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	16.537	0.0093	-2.5 to 2.5	Pass
					3.85	17.209	0.0097	-2.5 to 2.5	Pass
					4.43	17.395	0.0098	-2.5 to 2.5	Pass
				-30	3.85	16.565	0.0093	-2.5 to 2.5	Pass
				-20	3.85	15.707	0.0088	-2.5 to 2.5	Pass
				-10	3.85	14.505	0.0082	-2.5 to 2.5	Pass
				0	3.85	14.906	0.0084	-2.5 to 2.5	Pass
				10	3.85	16.222	0.0091	-2.5 to 2.5	Pass
				30	3.85	16.050	0.0090	-2.5 to 2.5	Pass
				40	3.85	17.281	0.0097	-2.5 to 2.5	Pass
				50	3.85	18.339	0.0103	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.27	14.119	0.0082	-2.5 to 2.5	Pass
					3.85	-16.265	-0.0095	-2.5 to 2.5	Pass
					4.43	-16.479	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-14.062	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-17.281	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-17.095	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-15.678	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-19.255	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-4.921	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-12.689	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-9.141	-0.0053	-2.5 to 2.5	Pass
	1745	27	0	20	3.27	2.575	0.0015	-2.5 to 2.5	Pass
					3.85	-14.920	-0.0086	-2.5 to 2.5	Pass
					4.43	-15.922	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-14.863	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-20.814	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-19.126	-0.0110	-2.5 to 2.5	Pass
				0	3.85	-18.425	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-14.606	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-14.634	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-17.509	-0.0100	-2.5 to 2.5	Pass
	1775	27	23	20	3.27	-11.172	-0.0063	-2.5 to 2.5	Pass
					3.85	-15.922	-0.0090	-2.5 to 2.5	Pass
					4.43	-11.330	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-18.110	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-19.369	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-10.099	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-15.364	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-8.254	-0.0047	-2.5 to 2.5	Pass

				30	3.85	-9.170	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-17.209	-0.0097	-2.5 to 2.5	Pass
				50	3.85	-17.123	-0.0096	-2.5 to 2.5	Pass

2.1.5 B66_15MHz

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	18.740	0.0109	-2.5 to 2.5	Pass
					3.85	18.153	0.0106	-2.5 to 2.5	Pass
					4.43	15.850	0.0092	-2.5 to 2.5	Pass
				-30	3.85	18.425	0.0107	-2.5 to 2.5	Pass
				-20	3.85	18.783	0.0109	-2.5 to 2.5	Pass
				-10	3.85	20.027	0.0117	-2.5 to 2.5	Pass
				0	3.85	18.597	0.0108	-2.5 to 2.5	Pass
				10	3.85	17.123	0.0100	-2.5 to 2.5	Pass
				30	3.85	19.212	0.0112	-2.5 to 2.5	Pass
				40	3.85	14.877	0.0087	-2.5 to 2.5	Pass
				50	3.85	18.039	0.0105	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	18.468	0.0106	-2.5 to 2.5	Pass
					3.85	19.913	0.0114	-2.5 to 2.5	Pass
					4.43	16.551	0.0095	-2.5 to 2.5	Pass
				-30	3.85	15.621	0.0090	-2.5 to 2.5	Pass
				-20	3.85	15.850	0.0091	-2.5 to 2.5	Pass
				-10	3.85	17.095	0.0098	-2.5 to 2.5	Pass
				0	3.85	14.849	0.0085	-2.5 to 2.5	Pass
				10	3.85	18.110	0.0104	-2.5 to 2.5	Pass
				30	3.85	15.979	0.0092	-2.5 to 2.5	Pass
				40	3.85	16.294	0.0093	-2.5 to 2.5	Pass
				50	3.85	16.508	0.0095	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	20.585	0.0116	-2.5 to 2.5	Pass
					3.85	18.940	0.0107	-2.5 to 2.5	Pass
					4.43	18.282	0.0103	-2.5 to 2.5	Pass
				-30	3.85	14.963	0.0084	-2.5 to 2.5	Pass
				-20	3.85	15.221	0.0086	-2.5 to 2.5	Pass
				-10	3.85	15.535	0.0088	-2.5 to 2.5	Pass
				0	3.85	18.067	0.0102	-2.5 to 2.5	Pass
				10	3.85	15.407	0.0087	-2.5 to 2.5	Pass
				30	3.85	16.766	0.0095	-2.5 to 2.5	Pass
				40	3.85	15.464	0.0087	-2.5 to 2.5	Pass
				50	3.85	14.820	0.0084	-2.5 to 2.5	Pass
16QAM	1717.5	27	0	20	3.27	8.039	0.0047	-2.5 to 2.5	Pass
					3.85	-17.109	-0.0100	-2.5 to 2.5	Pass
					4.43	-8.140	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	17.395	0.0101	-2.5 to 2.5	Pass
				-20	3.85	15.821	0.0092	-2.5 to 2.5	Pass
				-10	3.85	15.378	0.0090	-2.5 to 2.5	Pass
				0	3.85	14.305	0.0083	-2.5 to 2.5	Pass
				10	3.85	16.279	0.0095	-2.5 to 2.5	Pass
				30	3.85	16.007	0.0093	-2.5 to 2.5	Pass
				40	3.85	16.651	0.0097	-2.5 to 2.5	Pass
				50	3.85	16.336	0.0095	-2.5 to 2.5	Pass
	1745	27	0	20	3.27	8.826	0.0051	-2.5 to 2.5	Pass
					3.85	-14.935	-0.0086	-2.5 to 2.5	Pass
					4.43	-13.361	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-10.815	-0.0062	-2.5 to 2.5	Pass

				-20	3.85	4.063	0.0023	-2.5 to 2.5	Pass
				-10	3.85	15.035	0.0086	-2.5 to 2.5	Pass
				0	3.85	20.399	0.0117	-2.5 to 2.5	Pass
				10	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				30	3.85	11.444	0.0066	-2.5 to 2.5	Pass
				40	3.85	12.302	0.0070	-2.5 to 2.5	Pass
				50	3.85	17.438	0.0100	-2.5 to 2.5	Pass
	1772.5	27	48	20	3.27	15.249	0.0086	-2.5 to 2.5	Pass
					3.85	8.755	0.0049	-2.5 to 2.5	Pass
					4.43	15.936	0.0090	-2.5 to 2.5	Pass
				-30	3.85	12.817	0.0072	-2.5 to 2.5	Pass
				-20	3.85	17.581	0.0099	-2.5 to 2.5	Pass
				-10	3.85	17.667	0.0100	-2.5 to 2.5	Pass
				0	3.85	14.648	0.0083	-2.5 to 2.5	Pass
				10	3.85	16.522	0.0093	-2.5 to 2.5	Pass
				30	3.85	15.178	0.0086	-2.5 to 2.5	Pass
				40	3.85	15.006	0.0085	-2.5 to 2.5	Pass
				50	3.85	16.193	0.0091	-2.5 to 2.5	Pass

2.1.6 B66_20MHz

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	20.757	0.0121	-2.5 to 2.5	Pass
					3.85	18.682	0.0109	-2.5 to 2.5	Pass
					4.43	16.794	0.0098	-2.5 to 2.5	Pass
				-30	3.85	17.180	0.0100	-2.5 to 2.5	Pass
				-20	3.85	18.711	0.0109	-2.5 to 2.5	Pass
				-10	3.85	16.465	0.0096	-2.5 to 2.5	Pass
				0	3.85	16.050	0.0093	-2.5 to 2.5	Pass
				10	3.85	18.711	0.0109	-2.5 to 2.5	Pass
				30	3.85	16.594	0.0096	-2.5 to 2.5	Pass
				40	3.85	14.377	0.0084	-2.5 to 2.5	Pass
				50	3.85	12.460	0.0072	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	22.416	0.0128	-2.5 to 2.5	Pass
					3.85	18.697	0.0107	-2.5 to 2.5	Pass
					4.43	17.281	0.0099	-2.5 to 2.5	Pass
				-30	3.85	17.881	0.0102	-2.5 to 2.5	Pass
				-20	3.85	12.789	0.0073	-2.5 to 2.5	Pass
				-10	3.85	15.664	0.0090	-2.5 to 2.5	Pass
				0	3.85	16.694	0.0096	-2.5 to 2.5	Pass
				10	3.85	15.607	0.0089	-2.5 to 2.5	Pass
				30	3.85	14.491	0.0083	-2.5 to 2.5	Pass
				40	3.85	12.875	0.0074	-2.5 to 2.5	Pass
				50	3.85	14.091	0.0081	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	21.057	0.0119	-2.5 to 2.5	Pass
					3.85	17.896	0.0101	-2.5 to 2.5	Pass
					4.43	10.400	0.0059	-2.5 to 2.5	Pass
				-30	3.85	16.451	0.0093	-2.5 to 2.5	Pass
				-20	3.85	16.665	0.0094	-2.5 to 2.5	Pass
				-10	3.85	15.821	0.0089	-2.5 to 2.5	Pass
				0	3.85	14.534	0.0082	-2.5 to 2.5	Pass
				10	3.85	17.896	0.0101	-2.5 to 2.5	Pass
				30	3.85	17.424	0.0098	-2.5 to 2.5	Pass
				40	3.85	17.052	0.0096	-2.5 to 2.5	Pass
				50	3.85	16.465	0.0093	-2.5 to 2.5	Pass

16QAM	1720	27	0	20	3.27	-6.824	-0.0040	-2.5 to 2.5	Pass
					3.85	-18.826	-0.0109	-2.5 to 2.5	Pass
					4.43	-16.122	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-14.133	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-7.954	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-11.559	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				30	3.85	13.390	0.0078	-2.5 to 2.5	Pass
				40	3.85	18.682	0.0109	-2.5 to 2.5	Pass
				50	3.85	19.283	0.0112	-2.5 to 2.5	Pass
	1745	27	0	20	3.27	13.204	0.0076	-2.5 to 2.5	Pass
					3.85	-17.309	-0.0099	-2.5 to 2.5	Pass
					4.43	-5.851	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-19.012	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-8.526	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-10.357	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-10.657	-0.0061	-2.5 to 2.5	Pass
				10	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				30	3.85	12.059	0.0069	-2.5 to 2.5	Pass
				40	3.85	6.952	0.0040	-2.5 to 2.5	Pass
				50	3.85	16.522	0.0095	-2.5 to 2.5	Pass
	1770	27	73	20	3.27	7.868	0.0044	-2.5 to 2.5	Pass
					3.85	-17.567	-0.0099	-2.5 to 2.5	Pass
					4.43	-22.488	-0.0127	-2.5 to 2.5	Pass
				-30	3.85	-6.051	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-8.755	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	7.653	0.0043	-2.5 to 2.5	Pass
				0	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				10	3.85	-12.503	-0.0071	-2.5 to 2.5	Pass
				30	3.85	8.984	0.0051	-2.5 to 2.5	Pass
				40	3.85	14.477	0.0082	-2.5 to 2.5	Pass
				50	3.85	11.787	0.0067	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B66_1.4MHz

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 B66_3MHz

Band: 66 / Bandwidth: 3MHz / NTV						
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

3.1.3 B66_5MHz

Band: 66 / Bandwidth: 5MHz / NTV						
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

3.1.4 B66_10MHz

Band: 66 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	50	0	Refer To Test Graph		Pass
16QAM	1745	27	0	Refer To Test Graph		Pass

3.1.5 B66_15MHz

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	27	0	Refer To Test Graph		Pass

3.1.6 B66_20MHz

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	27	0	Refer To Test Graph		Pass

3.2.1 B66_1.4MHz



Band66 3MHz QPSK MCH 1745MHz RB 15 0 NTNV

CMW 500 V 3.7.172 - LTE Measurement - V3.7.31 - TX Measurement

Mode: FDD Freq.: 1745.0 MHz Ref. Level: 41.00 dBm Bandwidth: 3.0 MHz

Power Dynamics

dBm

μs

	OFF Power (before)	ON Power		OFF Power (after)
		RMS	Peak	
Current	---	---	---	---
Average	---	---	---	---
Min	---	---	---	---
Max	---	---	---	---
StdDev	---	---	---	---

Statistic Count: --- / 1 Out of Tolerance: ---

PS: Connection Established
RRC State: Connected

Go To Local **Show Remote Screen**

LTE
Multi Evaluation
RDY

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling
Run

Band66 3MHz 16QAM MCH 1745MHz RB 15 0 NTNV

CMW 500 V 3.7.172 - LTE Measurement - V3.7.31 - TX Measurement

Mode: FDD Freq.: 1745.0 MHz Ref. Level: 41.00 dBm Bandwidth: 3.0 MHz

Power Dynamics

dBm

μs

	OFF Power (before)	ON Power		OFF Power (after)
		RMS	Peak	
Current	---	---	---	---
Average	---	---	---	---
Min	---	---	---	---
Max	---	---	---	---
StdDev	---	---	---	---

Statistic Count: --- / 1 Out of Tolerance: ---

PS: Connection Established
RRC State: Connected

Go To Local **Show Remote Screen**

LTE
Multi Evaluation
RDY

RF Settings

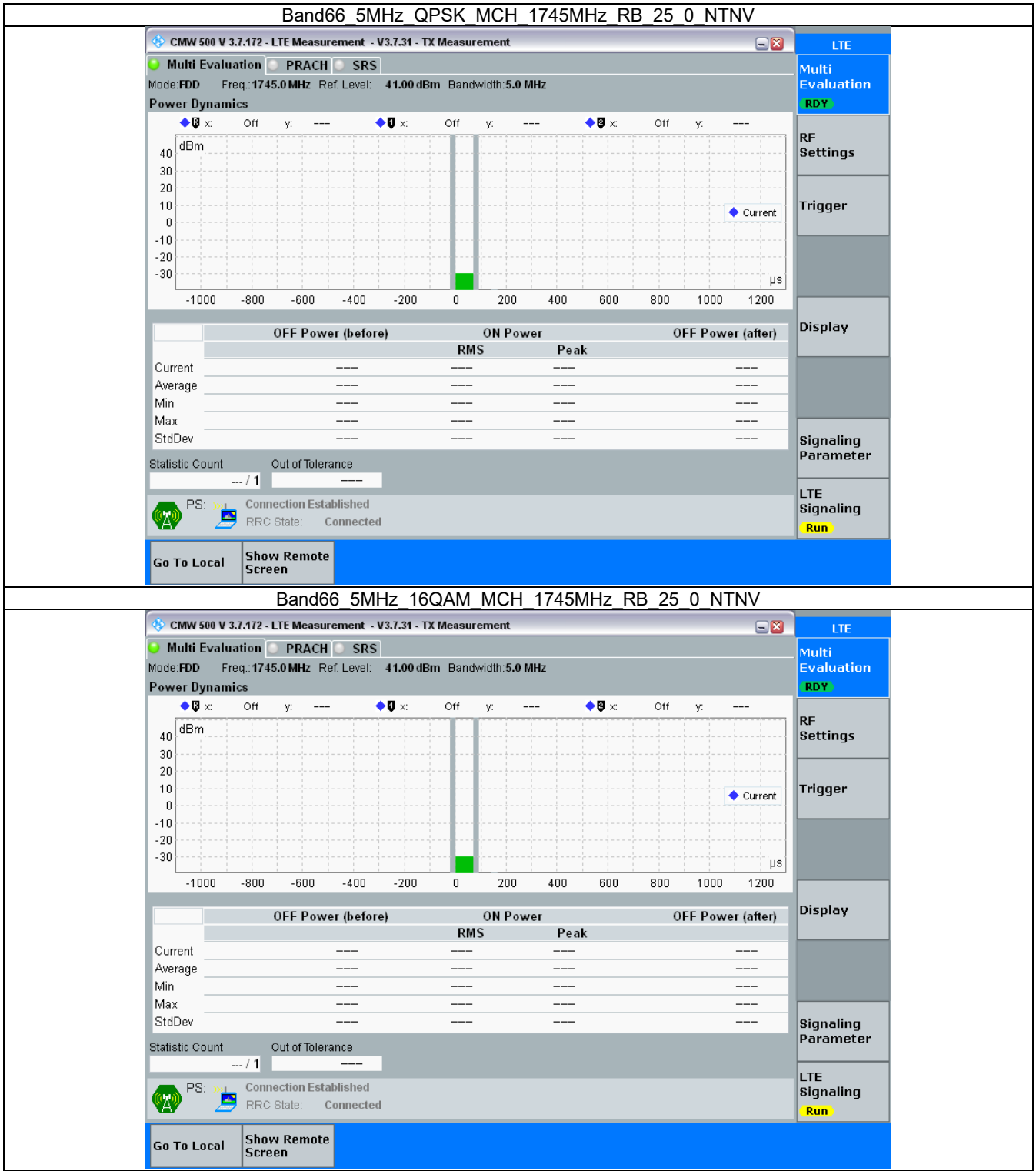
Trigger

Display

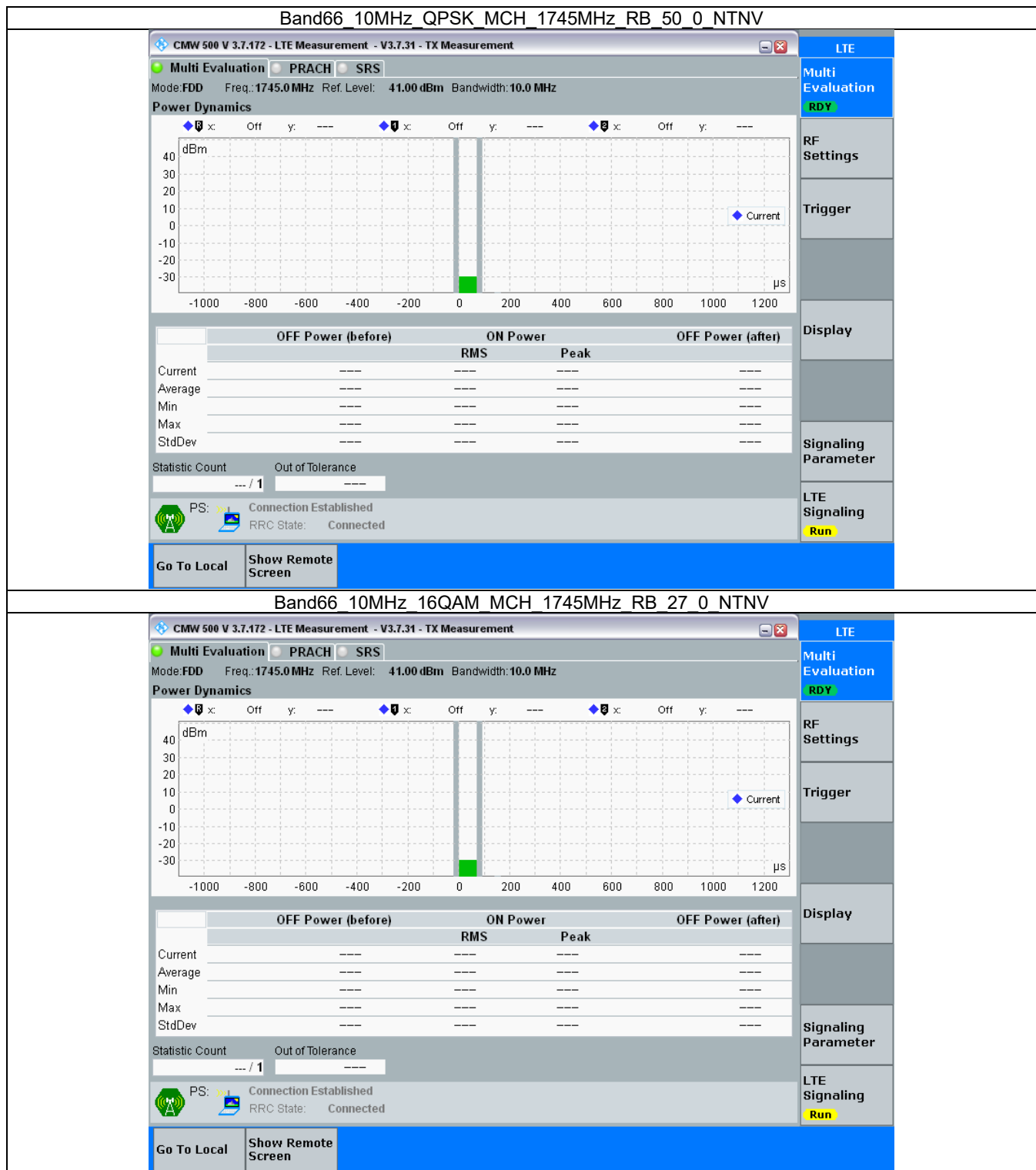
Signaling Parameter

LTE Signaling
Run

3.2.3 B66_5MHz



3.2.4 B66_10MHz



Band66 15MHz 16QAM MCH 1745MHz RB 27 0 NTN

LTE

Multi Evaluation

RDY

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling

Run

Band66 20MHz QPSK MCH 1745MHz RB 100 0 NTN

CMW 500 V 3.7.172 - LTE Measurement - V3.7.31 - TX Measurement

Multi Evaluation PRACH SRS

Mode:FDD Freq.:1745.0MHz Ref. Level: 41.00 dBm Bandwidth:20.0 MHz

Power Dynamics

dBm

Off y: --- Off y: --- Off y: ---

Current

μs

	OFF Power (before)	ON Power		OFF Power (after)
		RMS	Peak	
Current	---	---	---	---
Average	---	---	---	---
Min	---	---	---	---
Max	---	---	---	---
StdDev	---	---	---	---

Statistic Count Out of Tolerance

--- / 1

PS: Connection Established

RRC State: Connected

Go To Local Show Remote Screen

LTE

Multi Evaluation

RDY

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling

Run

Band66 20MHz 16QAM MCH 1745MHz RB 27 0 NTN

CMW 500 V 3.7.172 - LTE Measurement - V3.7.31 - TX Measurement

Multi Evaluation PRACH SRS

Mode:FDD Freq.:1745.0MHz Ref. Level: 41.00 dBm Bandwidth:20.0 MHz

Power Dynamics

dBm

Off y: --- Off y: --- Off y: ---

Current

μs

	OFF Power (before)	ON Power		OFF Power (after)
		RMS	Peak	
Current	---	---	---	---
Average	---	---	---	---
Min	---	---	---	---
Max	---	---	---	---
StdDev	---	---	---	---

Statistic Count Out of Tolerance

--- / 1

PS: Connection Established

RRC State: Connected

Go To Local Show Remote Screen

LTE

Multi Evaluation

RDY

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling

Run

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band66_OBW

Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.120	/	Pass
		1745	6	0	1.115	/	Pass
		1779.3	6	0	1.124	/	Pass
	16QAM	1710.7	6	0	1.116	/	Pass
		1745	6	0	1.110	/	Pass
		1779.3	6	0	1.120	/	Pass
3	QPSK	1711.5	15	0	2.751	/	Pass
		1745	15	0	2.740	/	Pass
		1778.5	15	0	2.747	/	Pass
	16QAM	1711.5	15	0	2.748	/	Pass
		1745	15	0	2.737	/	Pass
		1778.5	15	0	2.745	/	Pass
5	QPSK	1712.5	25	0	4.563	/	Pass
		1745	25	0	4.534	/	Pass
		1777.5	25	0	4.571	/	Pass
	16QAM	1712.5	25	0	4.547	/	Pass
		1745	25	0	4.553	/	Pass
		1777.5	25	0	4.593	/	Pass
10	QPSK	1715	50	0	9.076	/	Pass
		1745	50	0	9.040	/	Pass
		1775	50	0	9.103	/	Pass
	16QAM	1715	27	0	5.071	/	Pass
		1745	27	0	5.062	/	Pass
		1775	27	23	5.121	/	Pass
15	QPSK	1717.5	75	0	13.599	/	Pass
		1745	75	0	13.560	/	Pass
		1772.5	75	0	13.798	/	Pass
	16QAM	1717.5	27	0	5.351	/	Pass
		1745	27	0	5.276	/	Pass
		1772.5	27	48	5.353	/	Pass
20	QPSK	1720	100	0	18.042	/	Pass
		1745	100	0	18.082	/	Pass
		1770	100	0	18.382	/	Pass
	16QAM	1720	27	0	5.548	/	Pass
		1745	27	0	5.506	/	Pass
		1770	27	73	5.635	/	Pass

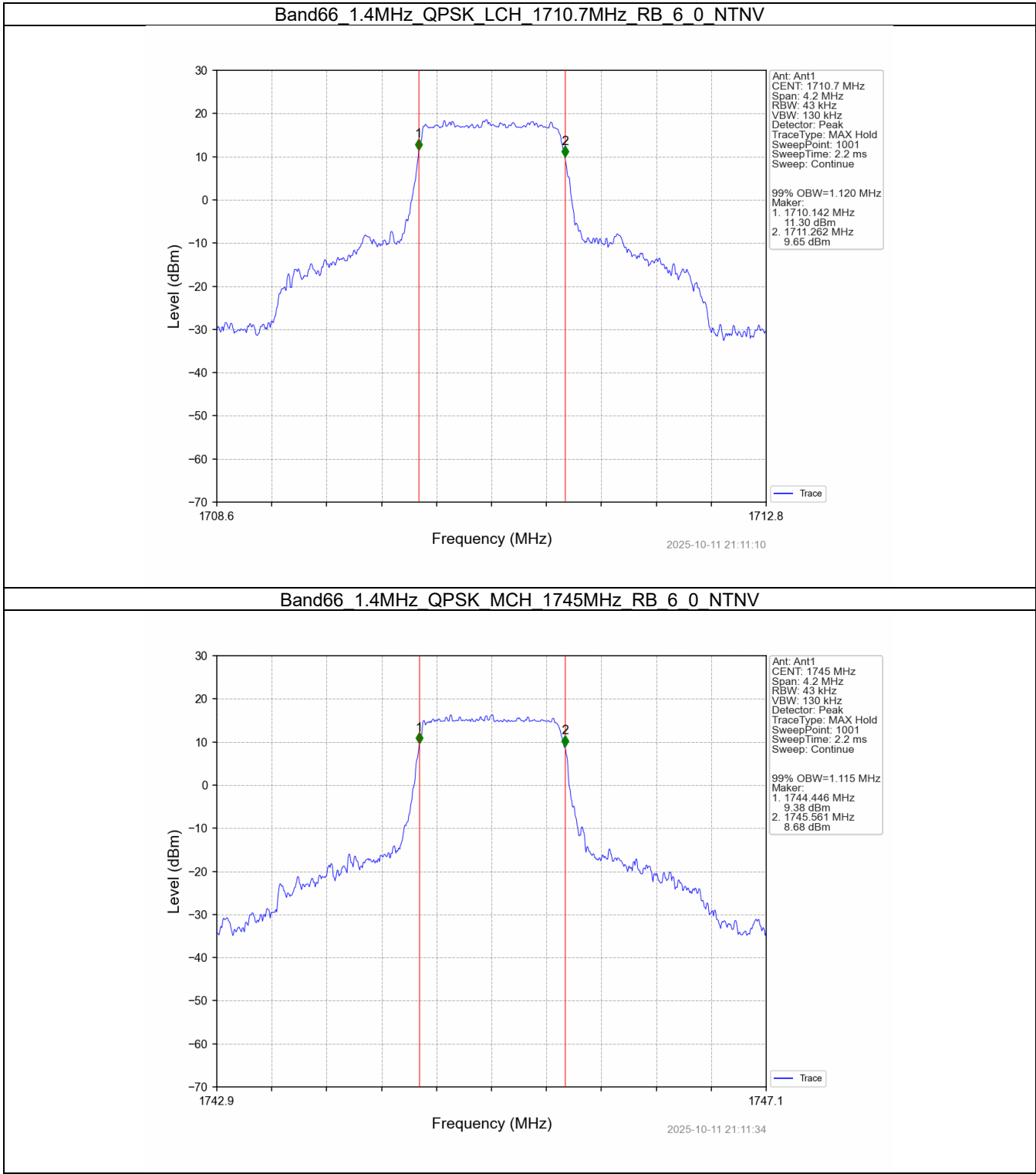
4.1.2 Band66_XDB

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	1.451	/	Pass
		1745	6	0	1.325	/	Pass
		1779.3	6	0	1.440	/	Pass

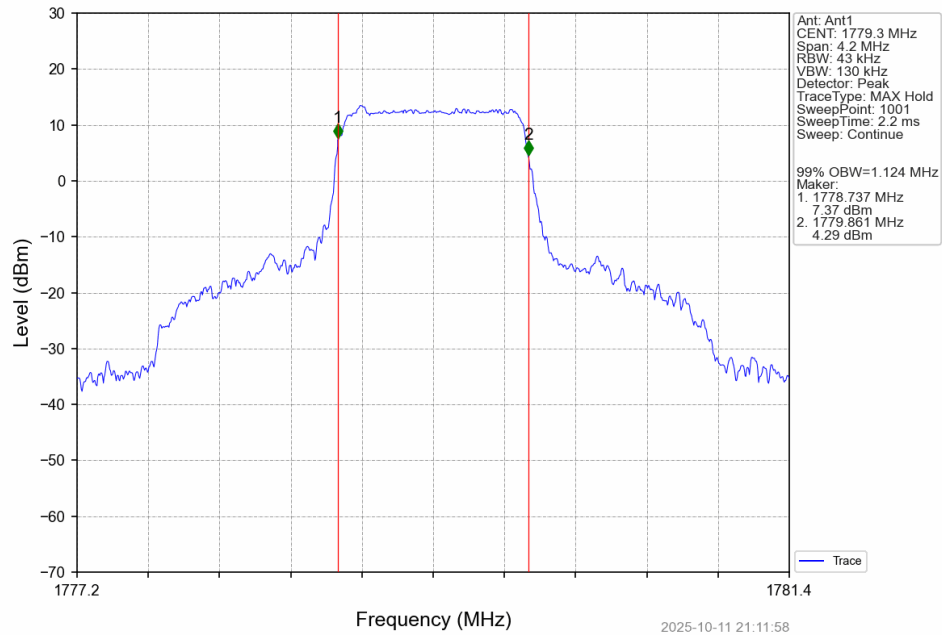
	16QAM	1710.7	6	0	1.501	/	Pass
		1745	6	0	1.315	/	Pass
		1779.3	6	0	1.292	/	Pass
3	QPSK	1711.5	15	0	3.172	/	Pass
		1745	15	0	3.018	/	Pass
		1778.5	15	0	3.295	/	Pass
	16QAM	1711.5	15	0	3.015	/	Pass
		1745	15	0	3.020	/	Pass
		1778.5	15	0	3.269	/	Pass
5	QPSK	1712.5	25	0	5.067	/	Pass
		1745	25	0	5.018	/	Pass
		1777.5	25	0	5.499	/	Pass
	16QAM	1712.5	25	0	5.063	/	Pass
		1745	25	0	5.067	/	Pass
		1777.5	25	0	5.510	/	Pass
10	QPSK	1715	50	0	9.994	/	Pass
		1745	50	0	9.945	/	Pass
		1775	50	0	13.094	/	Pass
	16QAM	1715	27	0	5.916	/	Pass
		1745	27	0	5.826	/	Pass
		1775	27	23	7.646	/	Pass
15	QPSK	1717.5	75	0	14.710	/	Pass
		1745	75	0	14.770	/	Pass
		1772.5	75	0	26.488	/	Pass
	16QAM	1717.5	27	0	7.561	/	Pass
		1745	27	0	6.272	/	Pass
		1772.5	27	48	7.560	/	Pass
20	QPSK	1720	100	0	19.503	/	Pass
		1745	100	0	19.446	/	Pass
		1770	100	0	33.292	/	Pass
	16QAM	1720	27	0	8.773	/	Pass
		1745	27	0	6.518	/	Pass
		1770	27	73	9.516	/	Pass

4.2 Test Graph

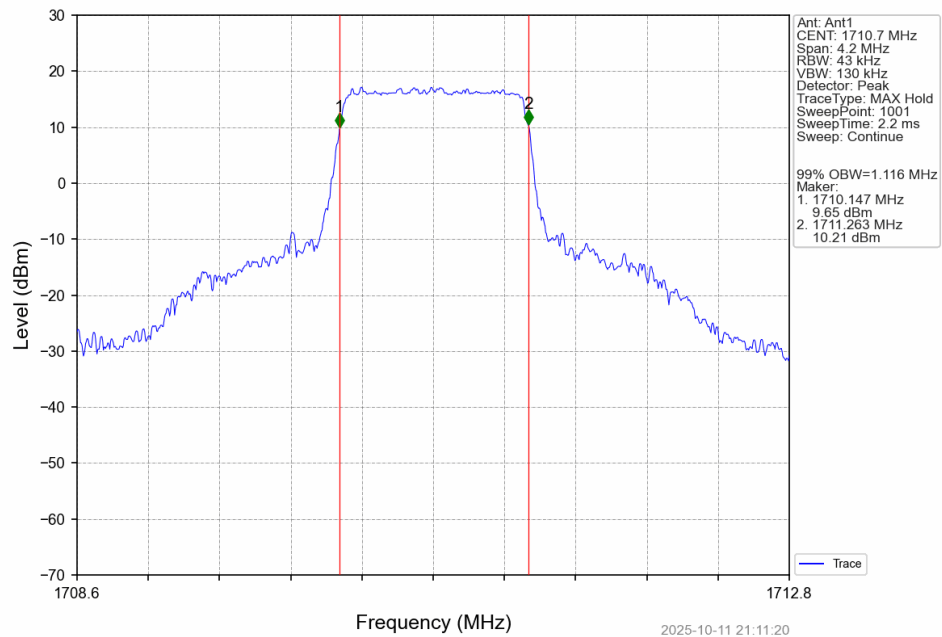
4.2.1 Band66_OBW



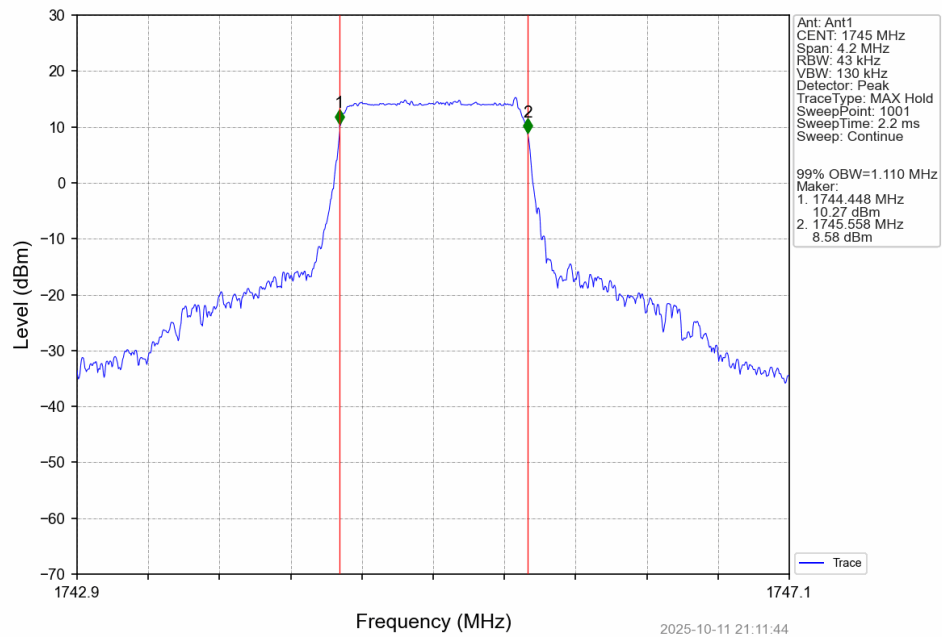
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



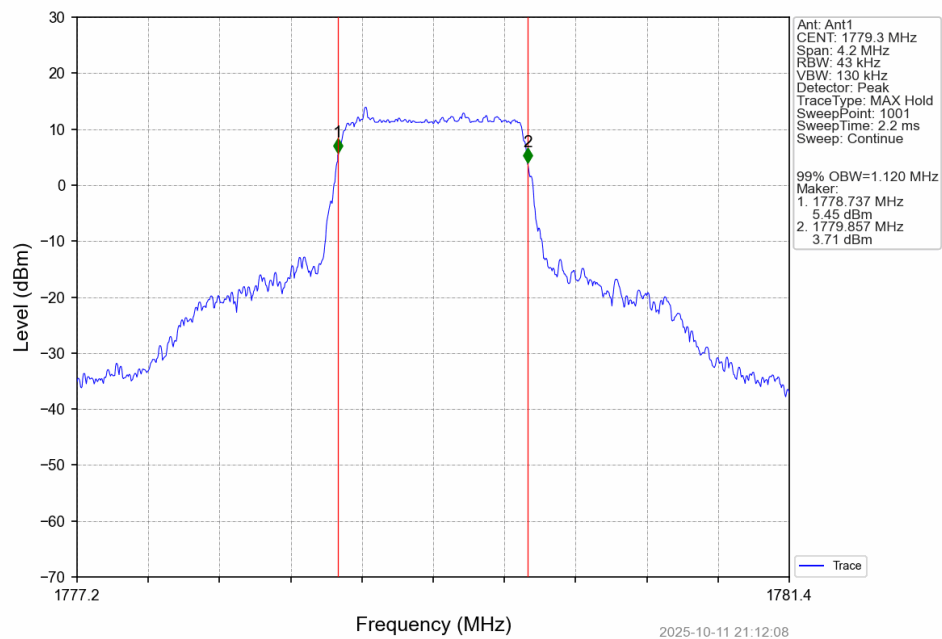
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



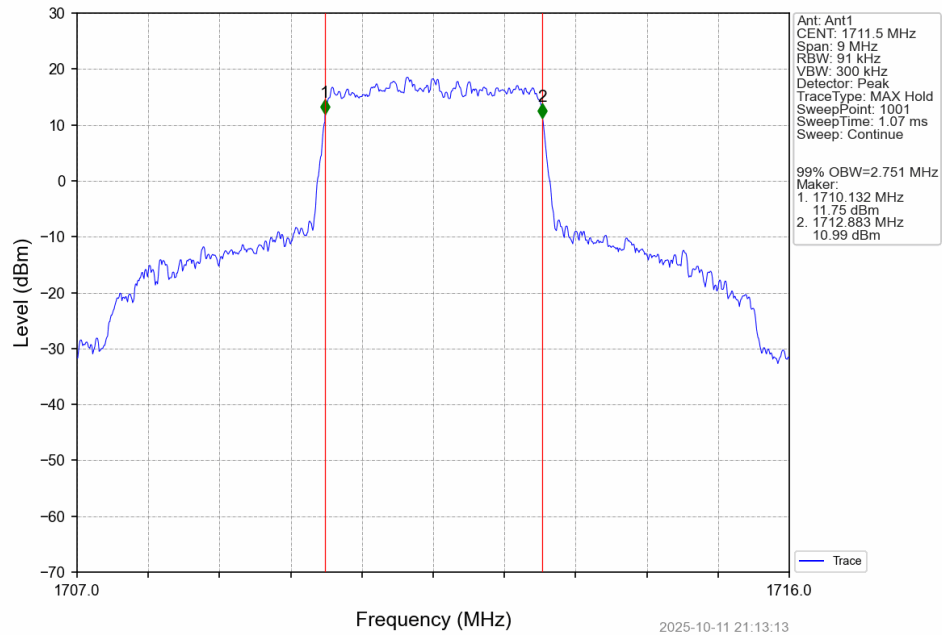
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



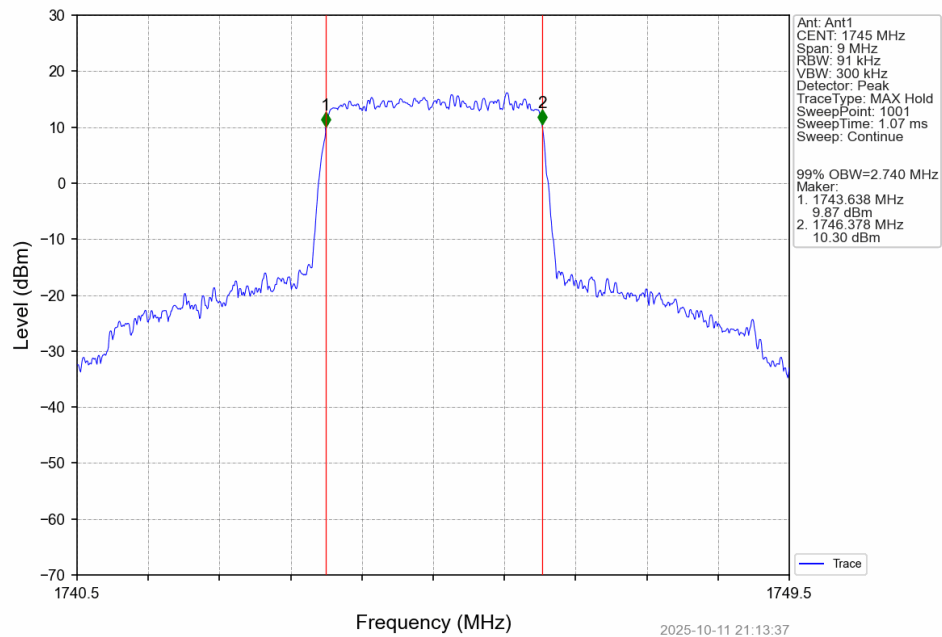
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



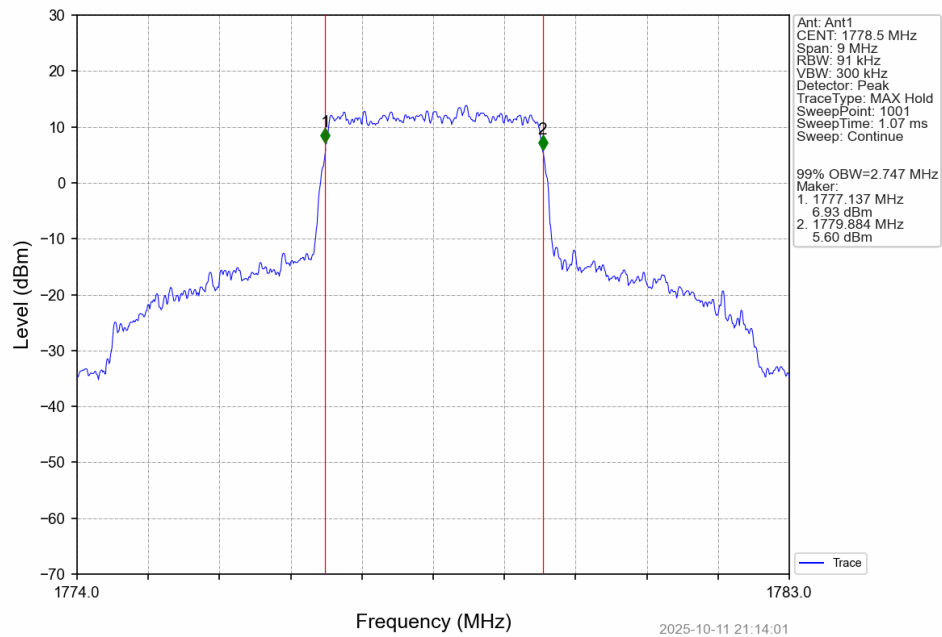
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



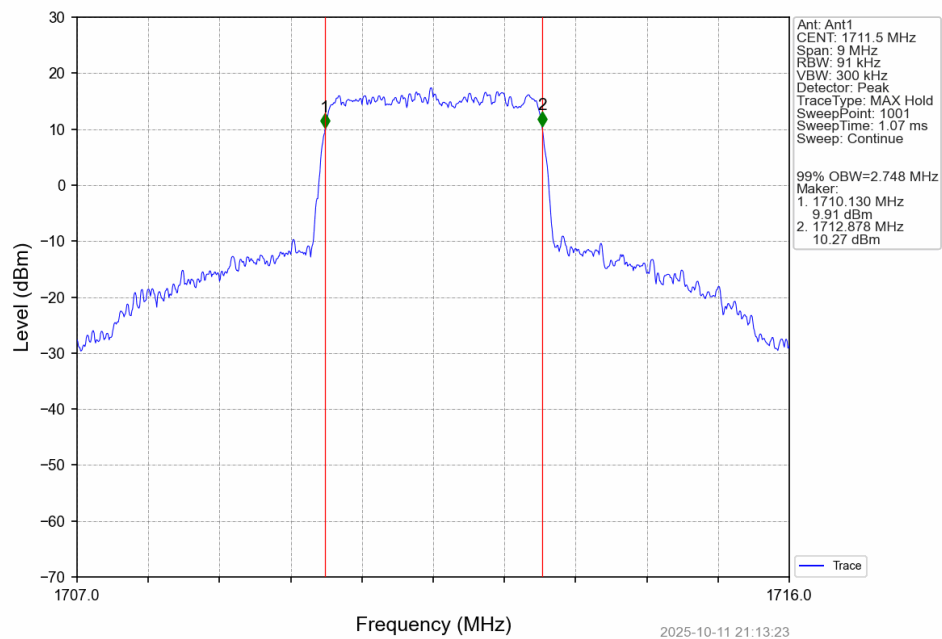
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



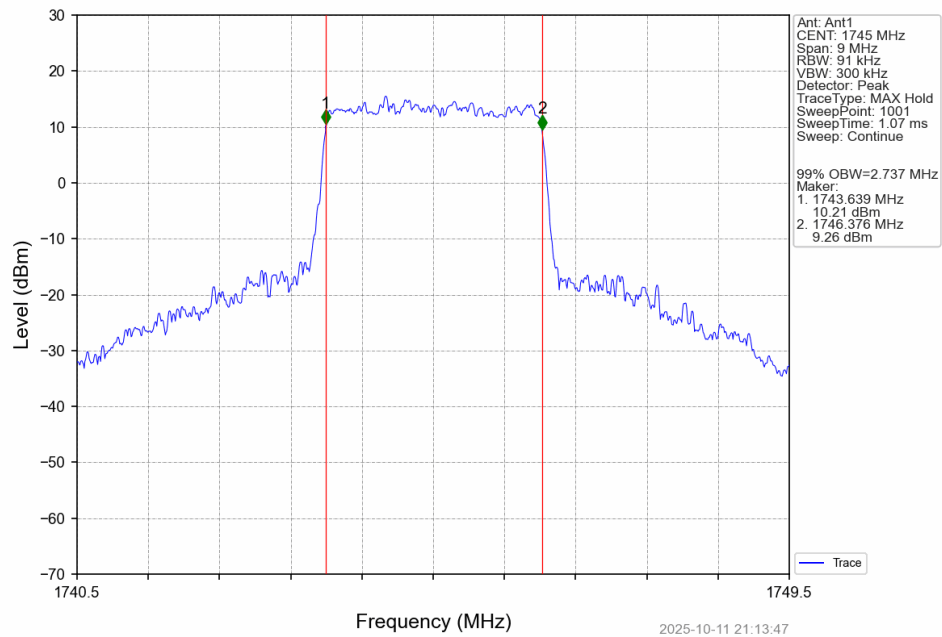
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



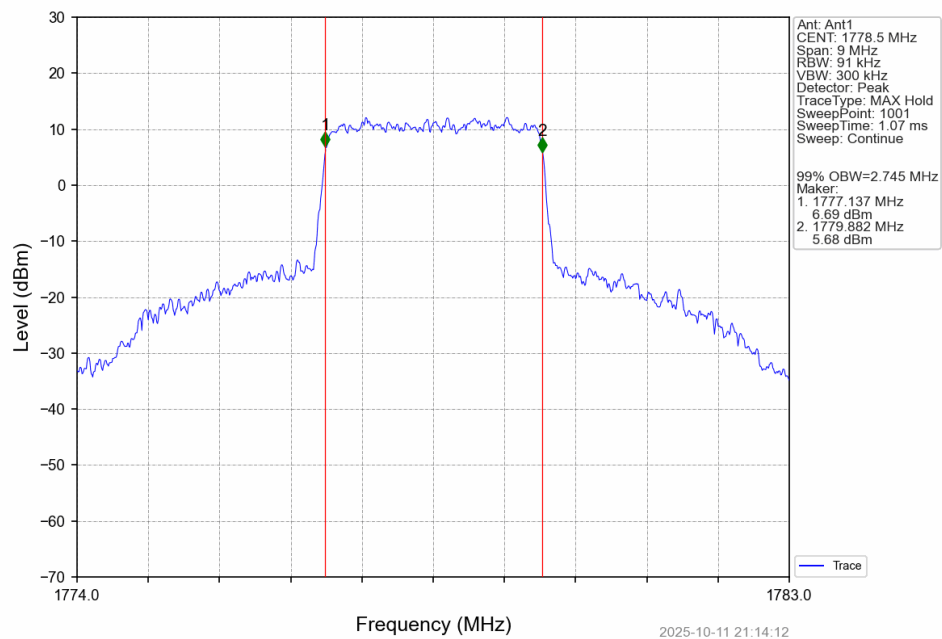
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



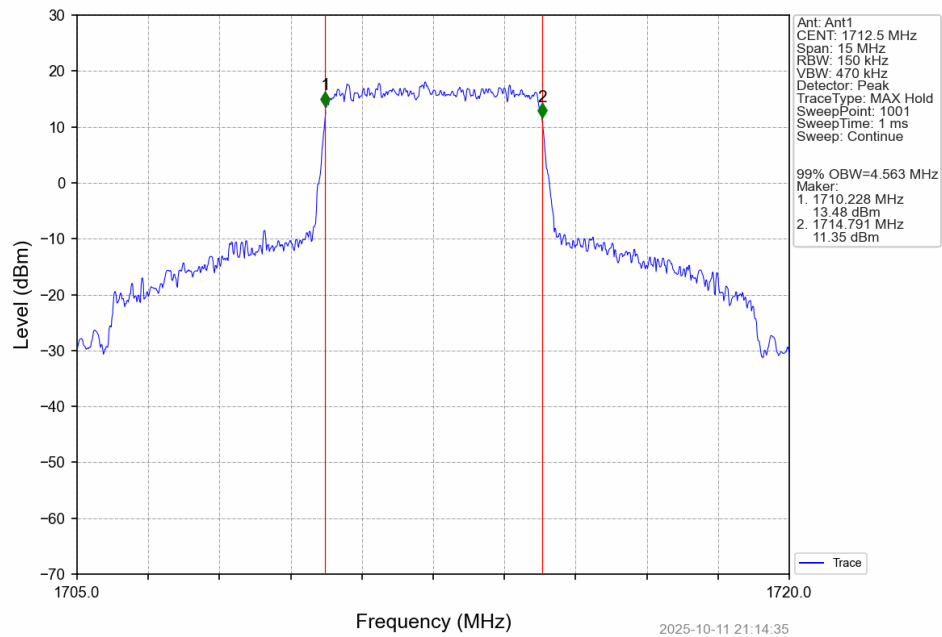
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



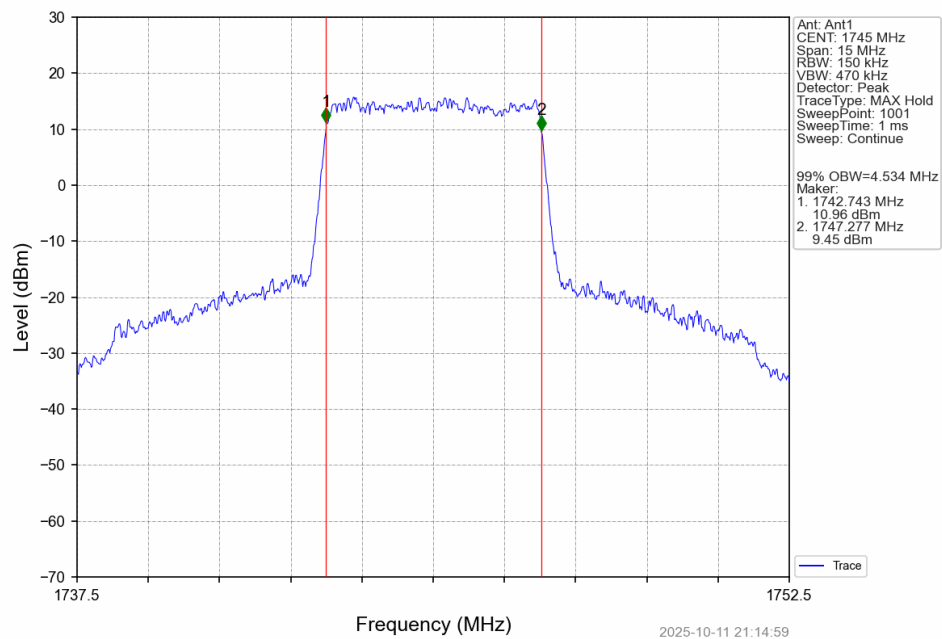
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



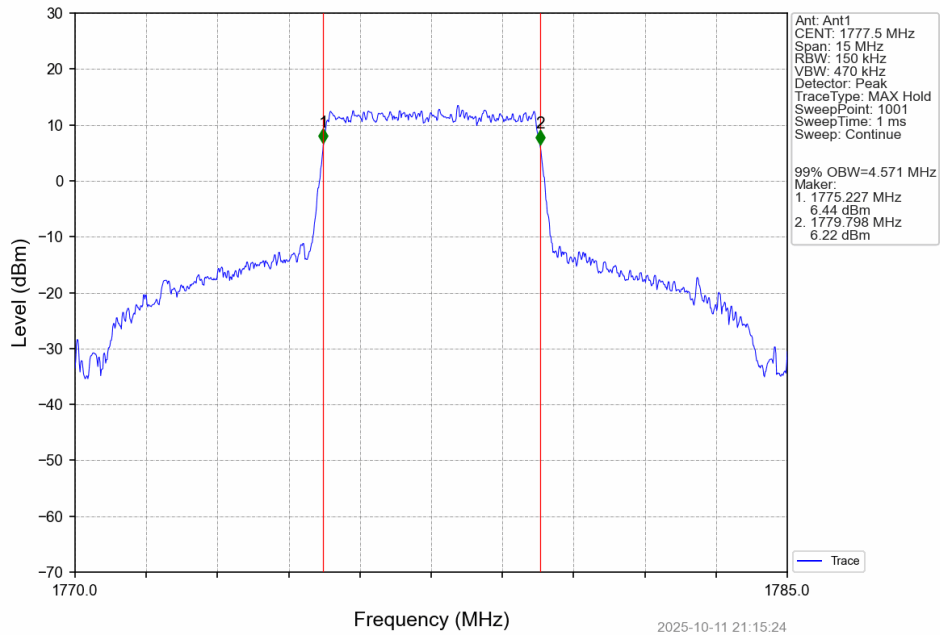
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



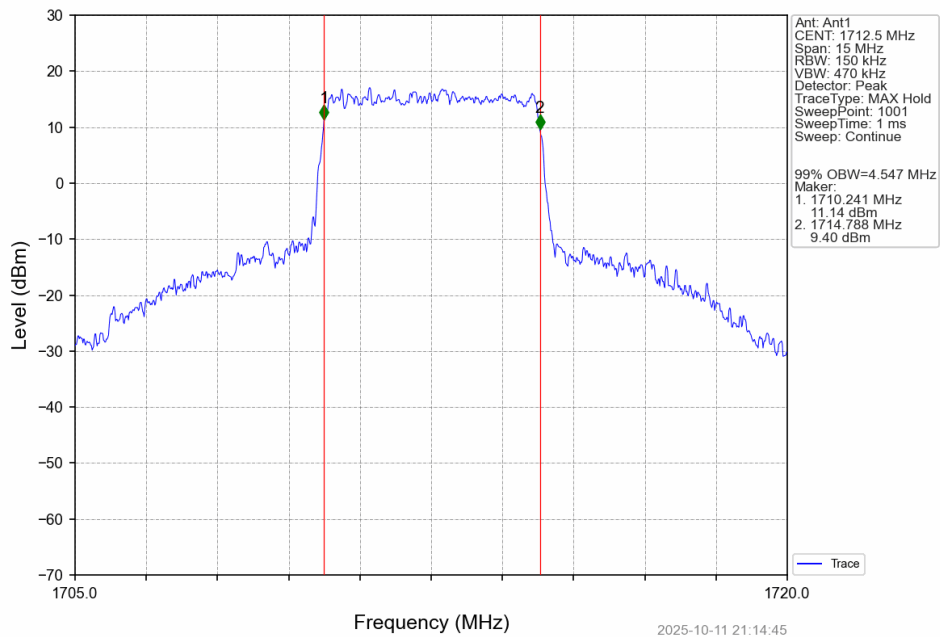
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



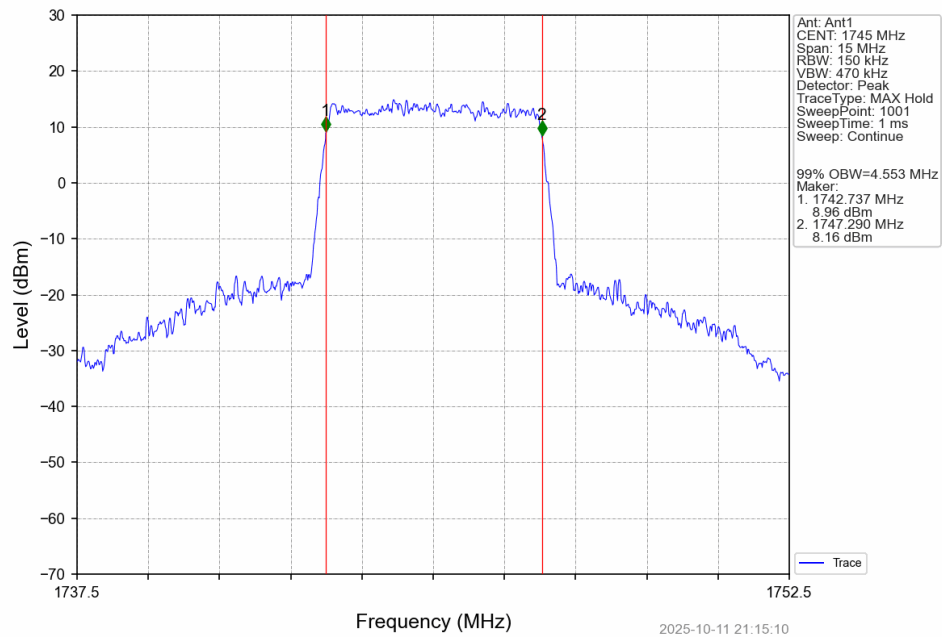
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



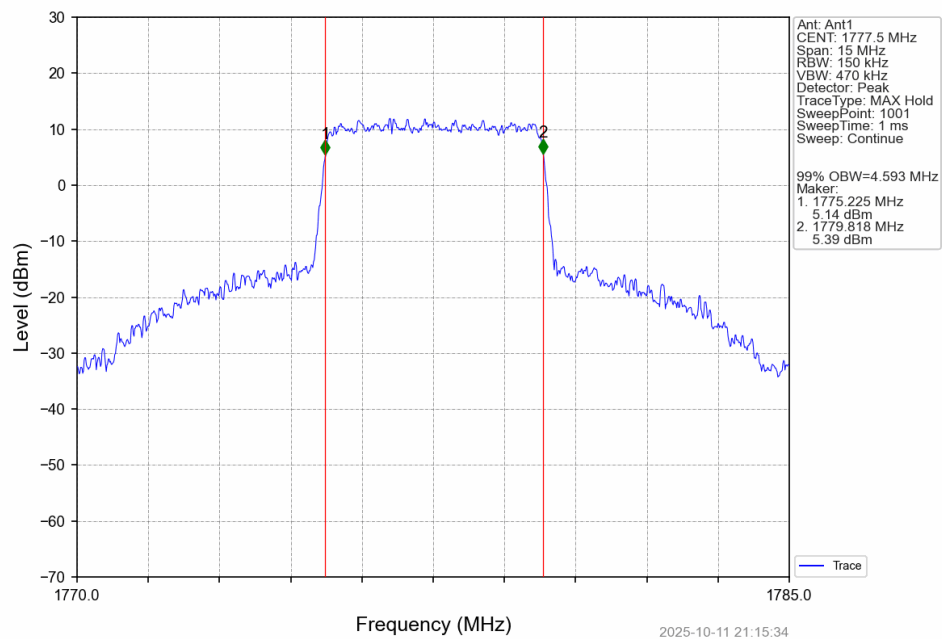
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



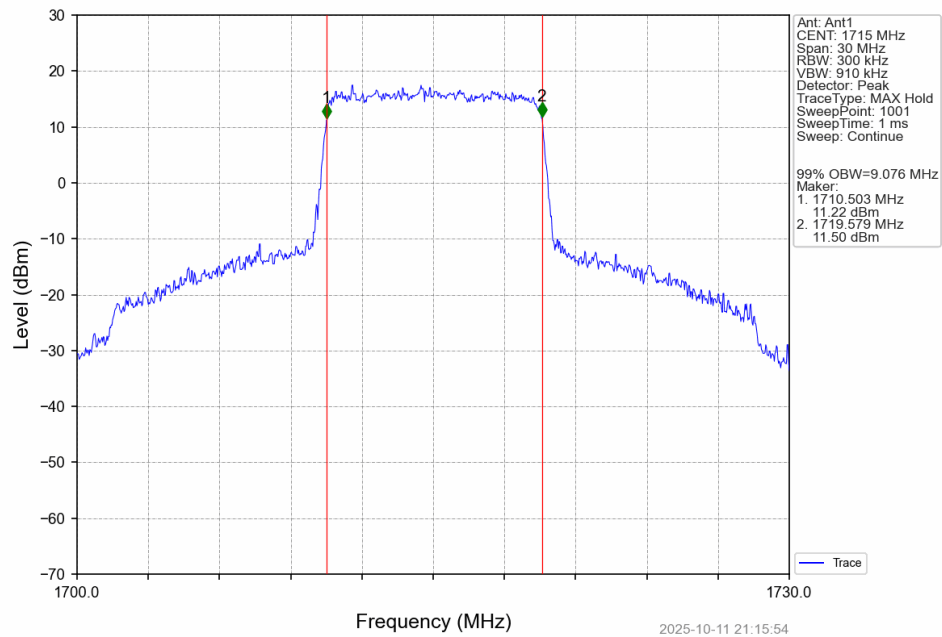
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



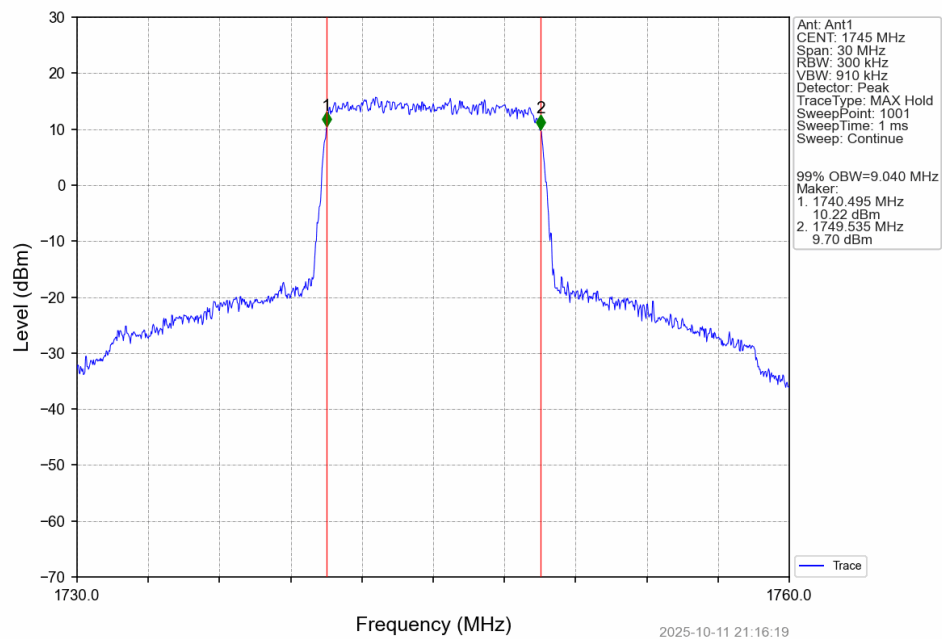
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



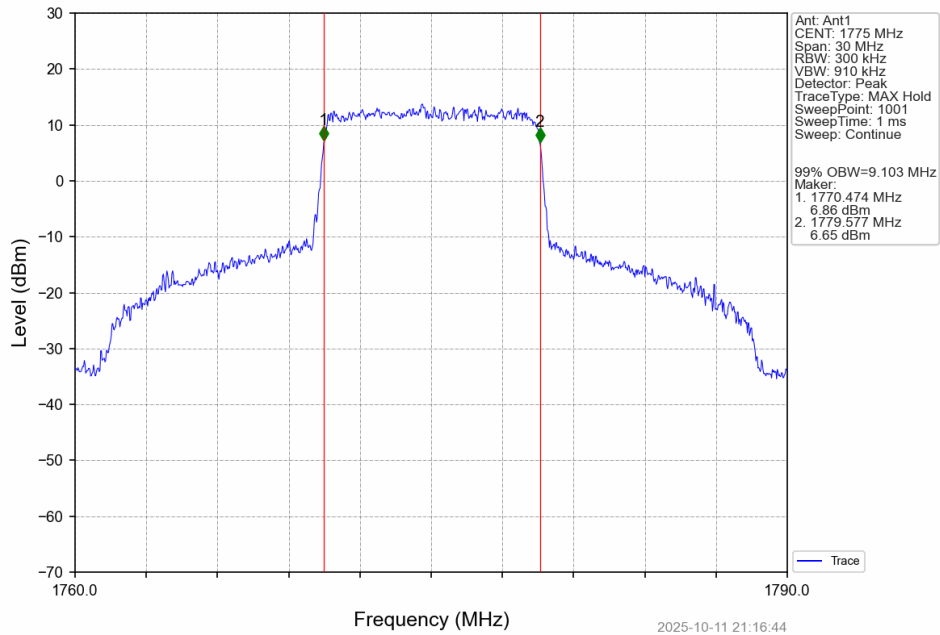
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



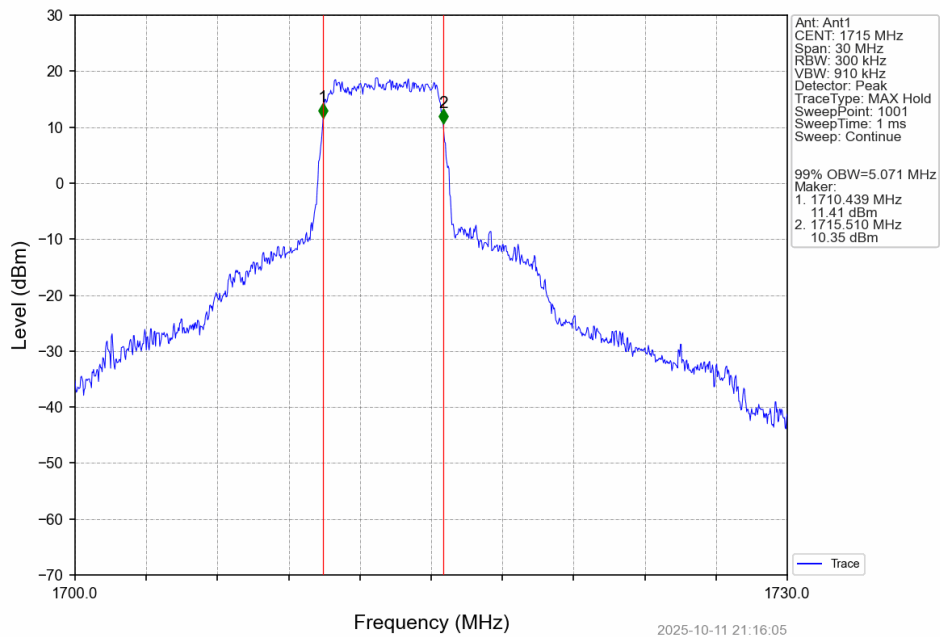
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



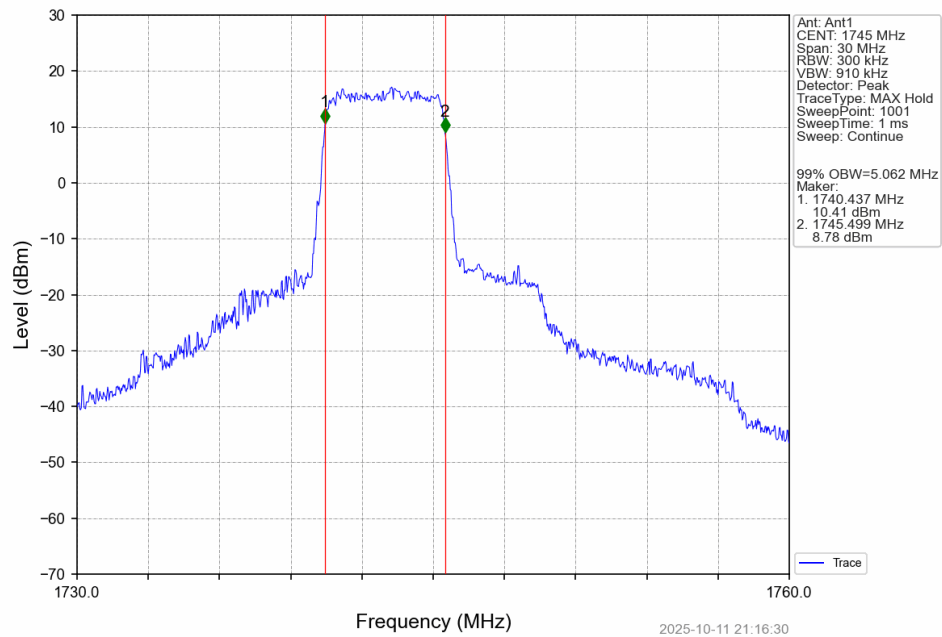
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



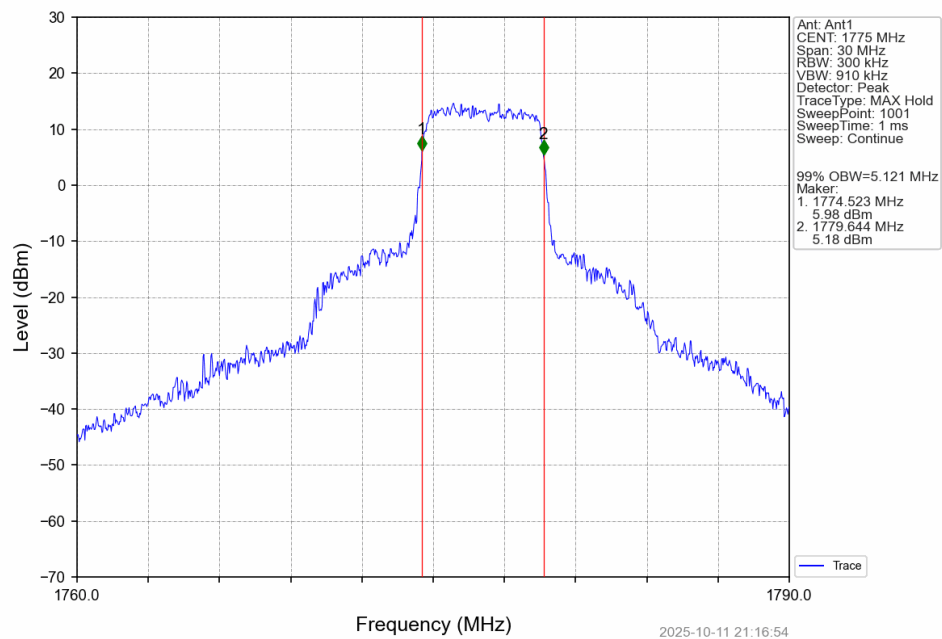
Band66_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



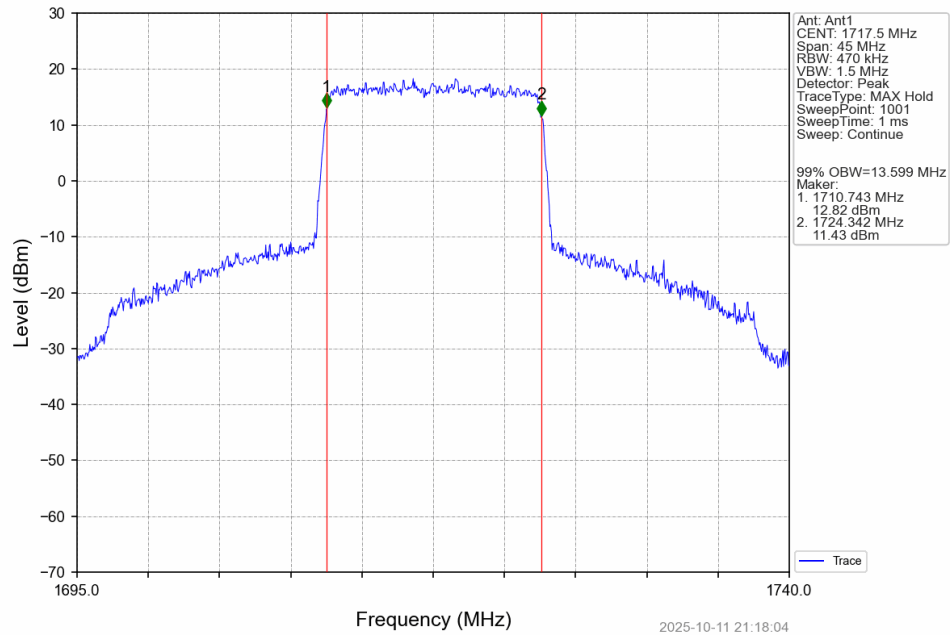
Band66_10MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV



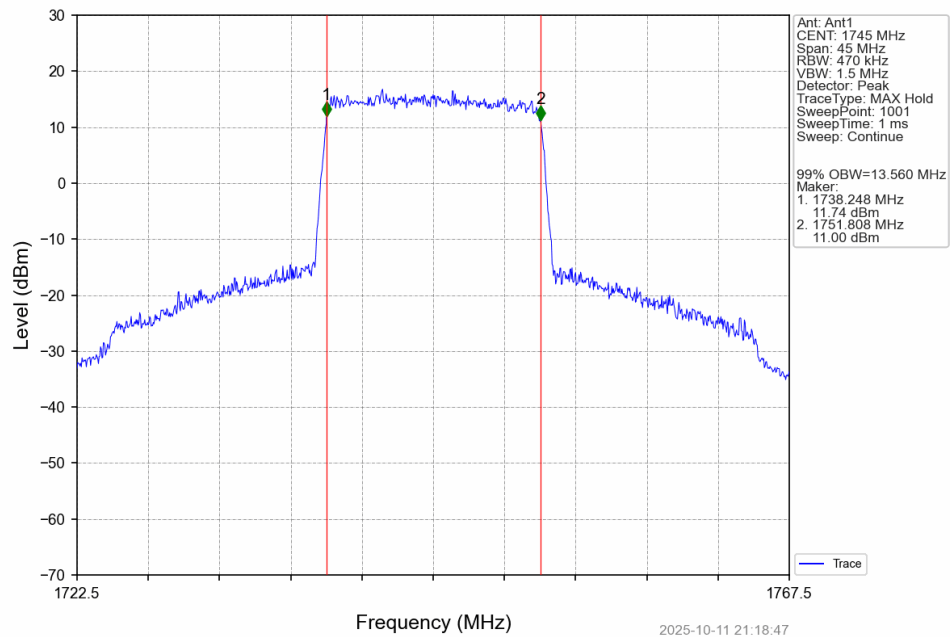
Band66_10MHz_16QAM_HCH_1775MHz_RB_27_23_NTNV



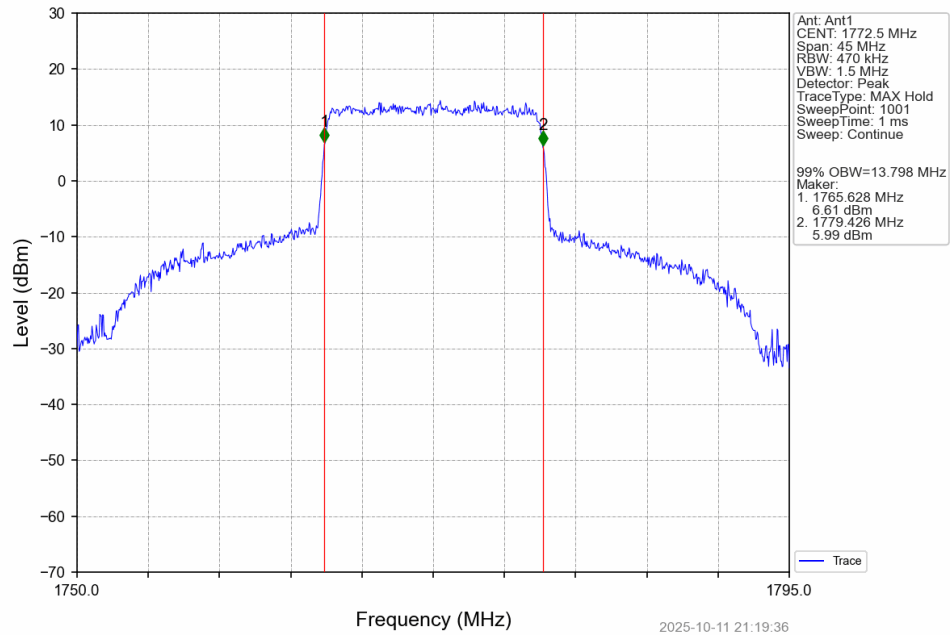
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



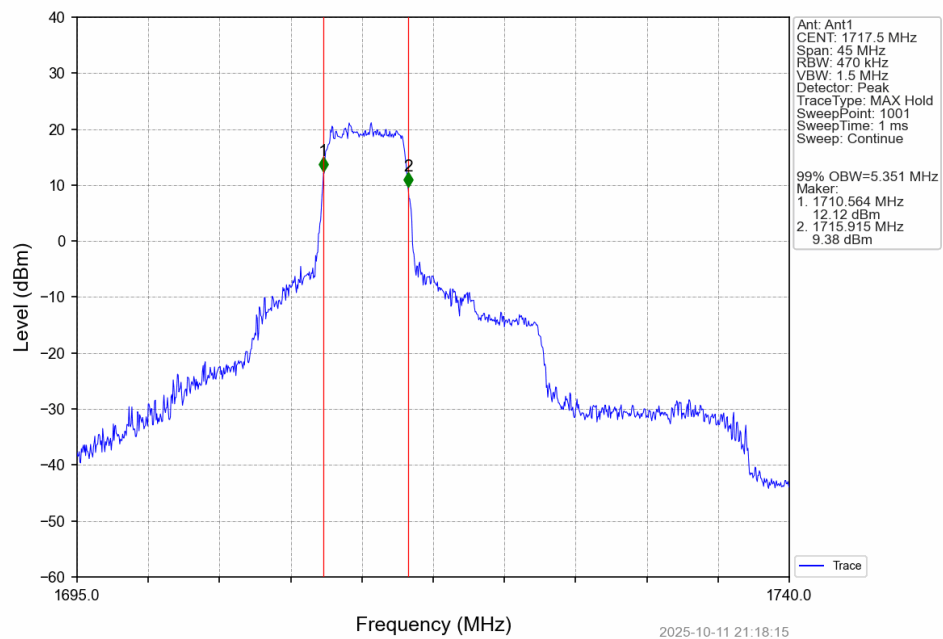
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



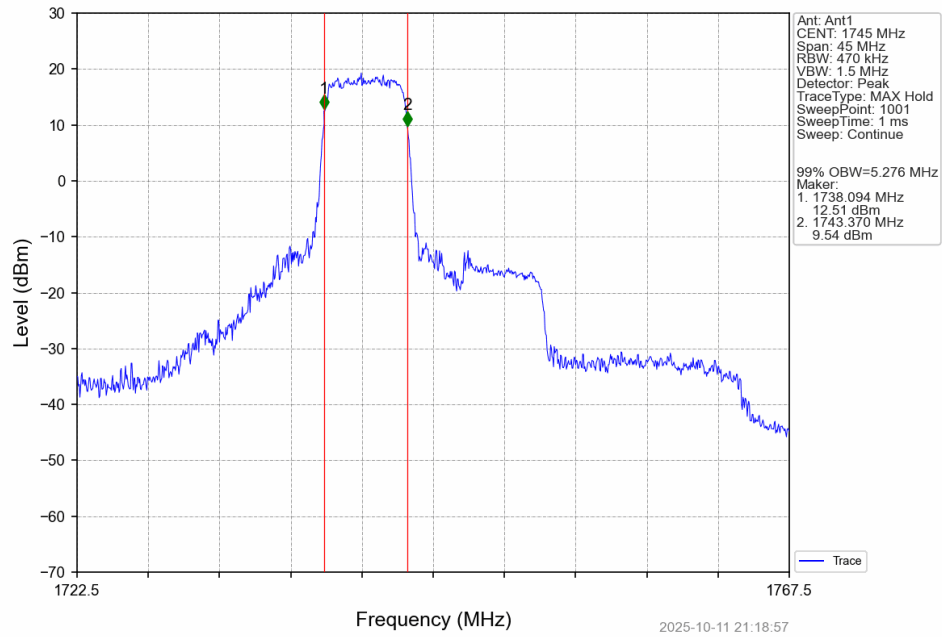
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



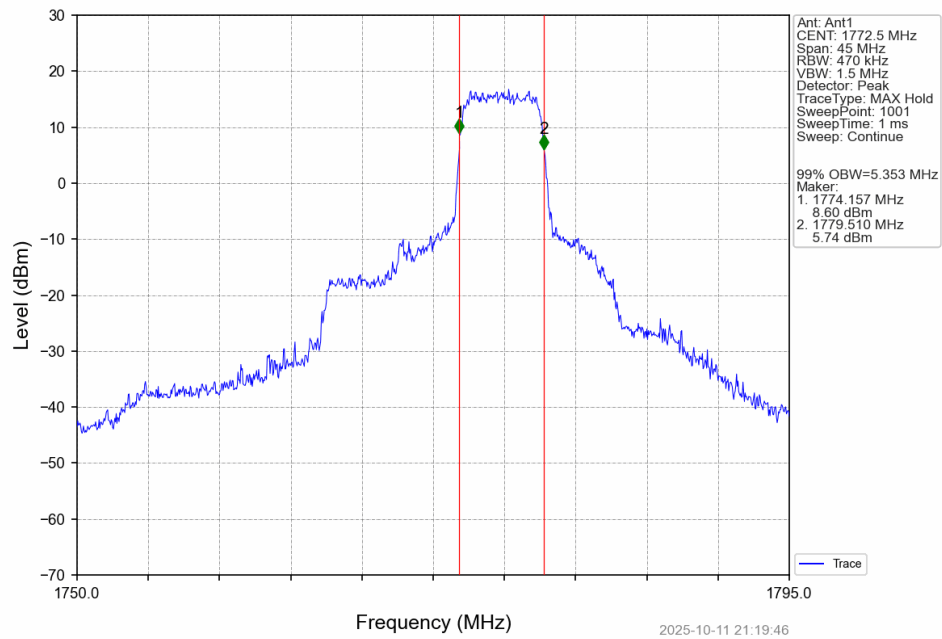
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



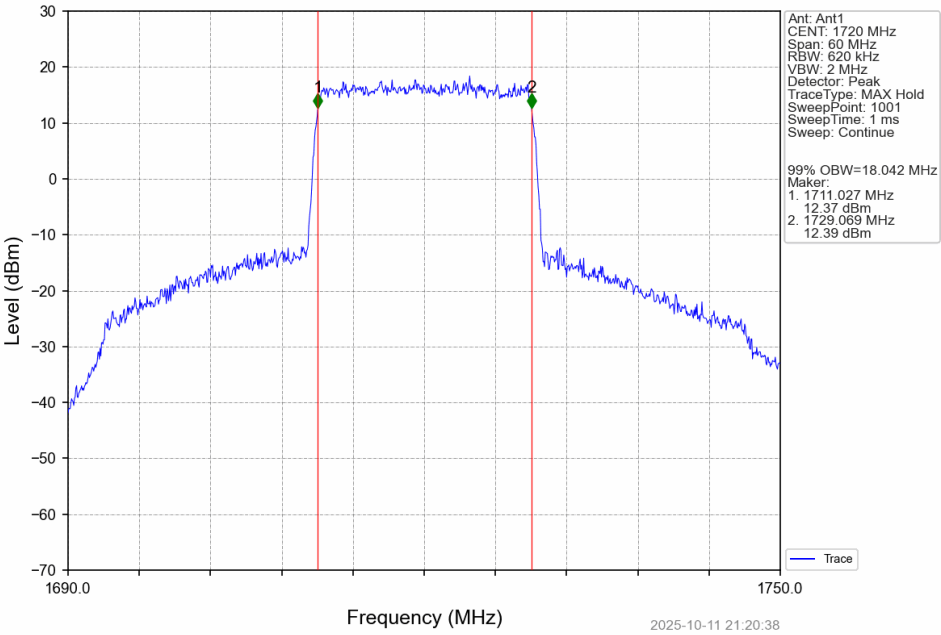
Band66_15MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV



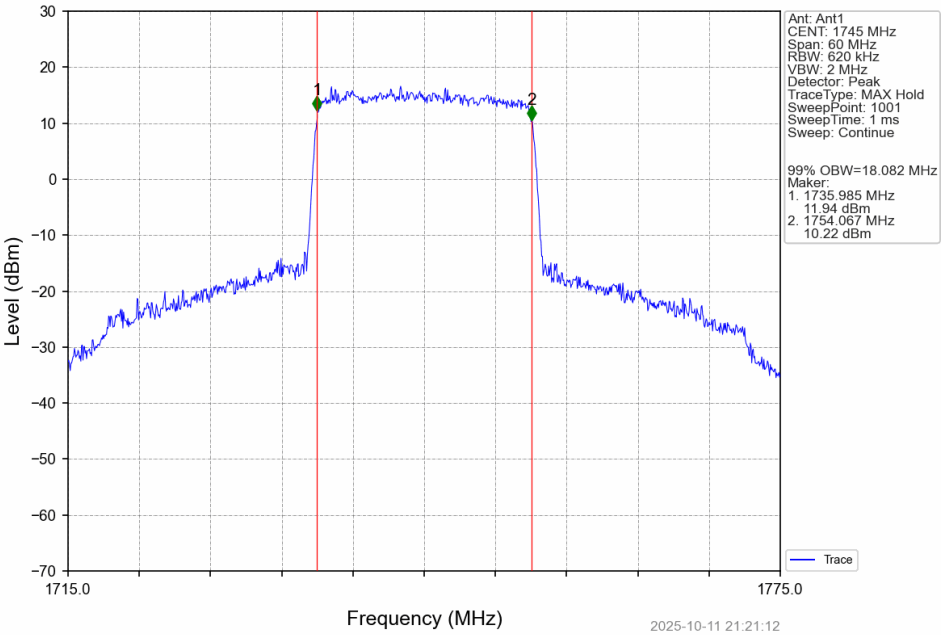
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_27_48_NTNV



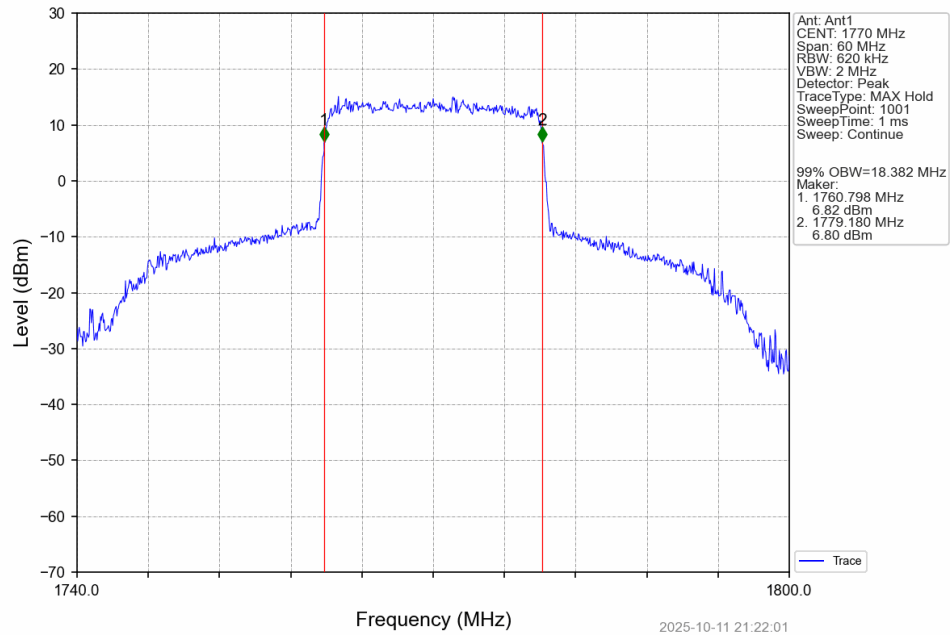
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



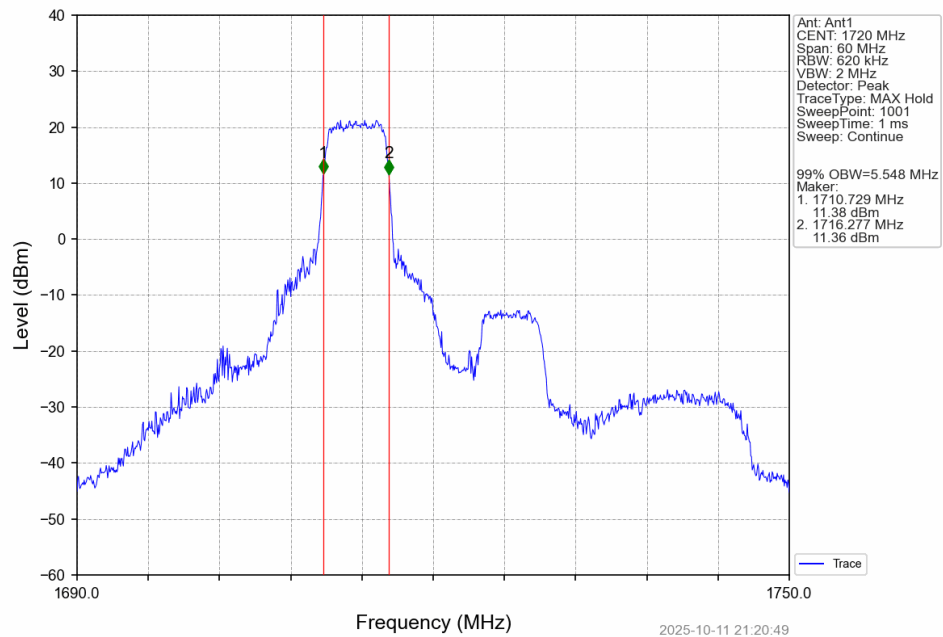
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



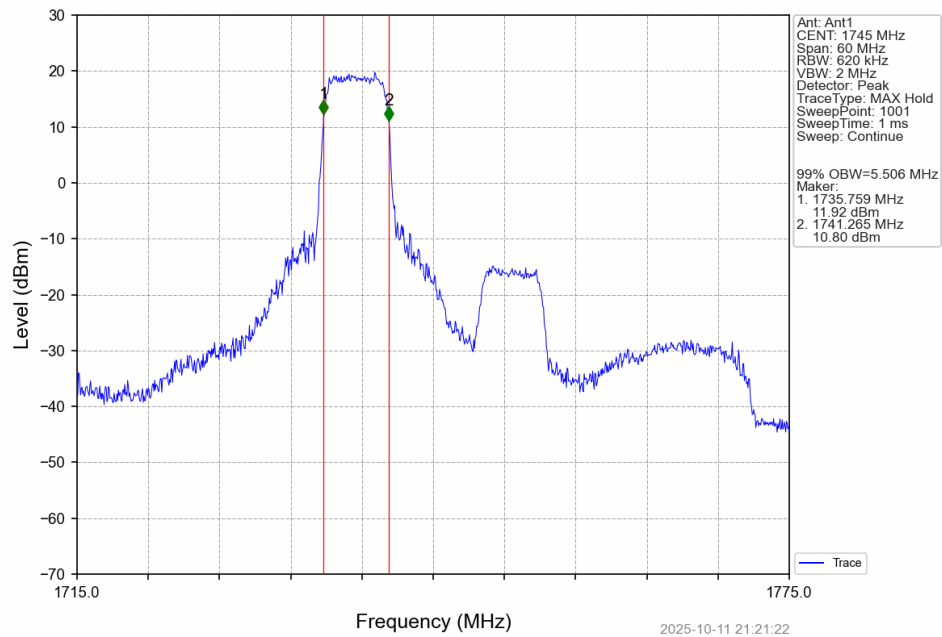
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



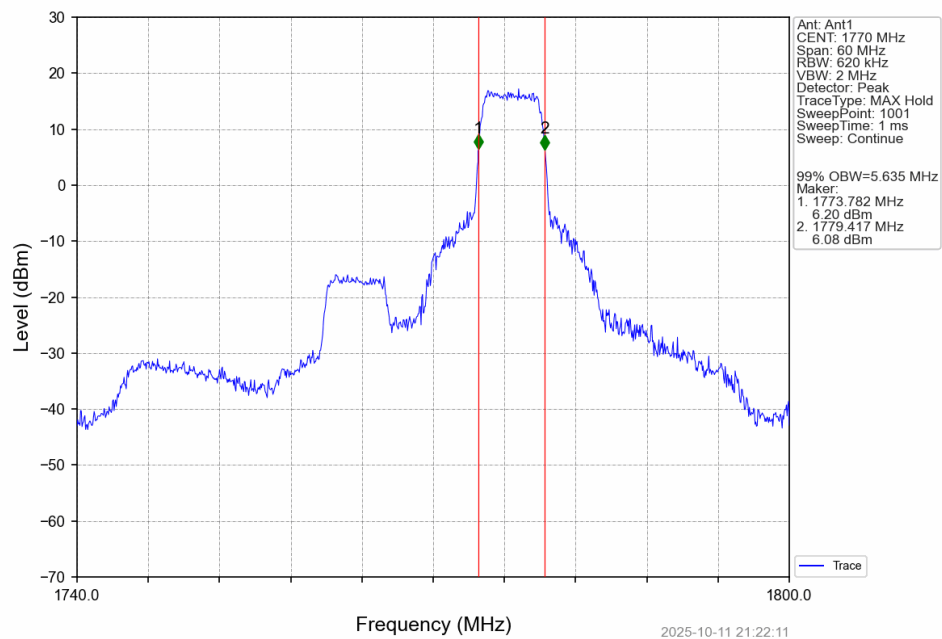
Band66_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



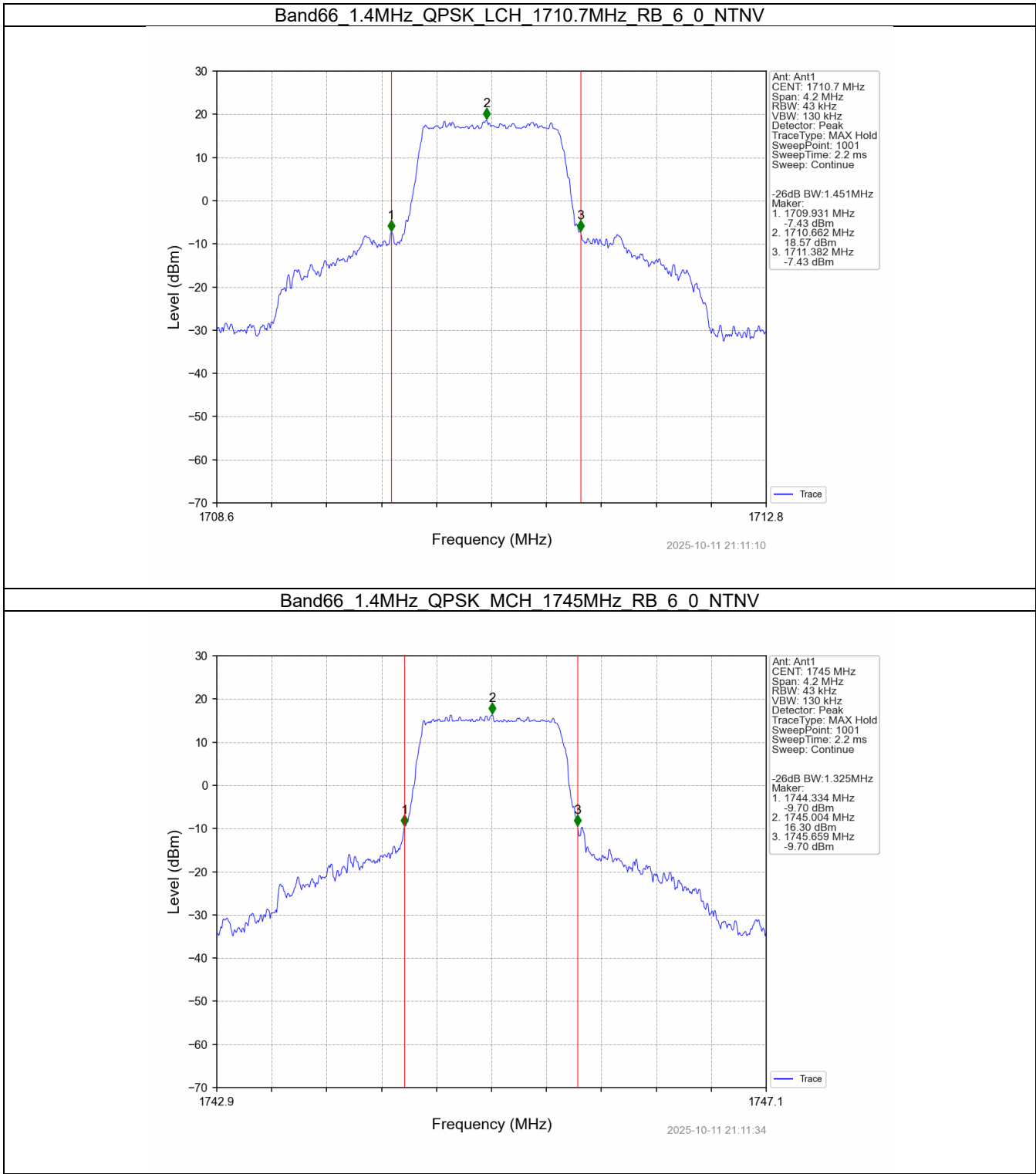
Band66_20MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV



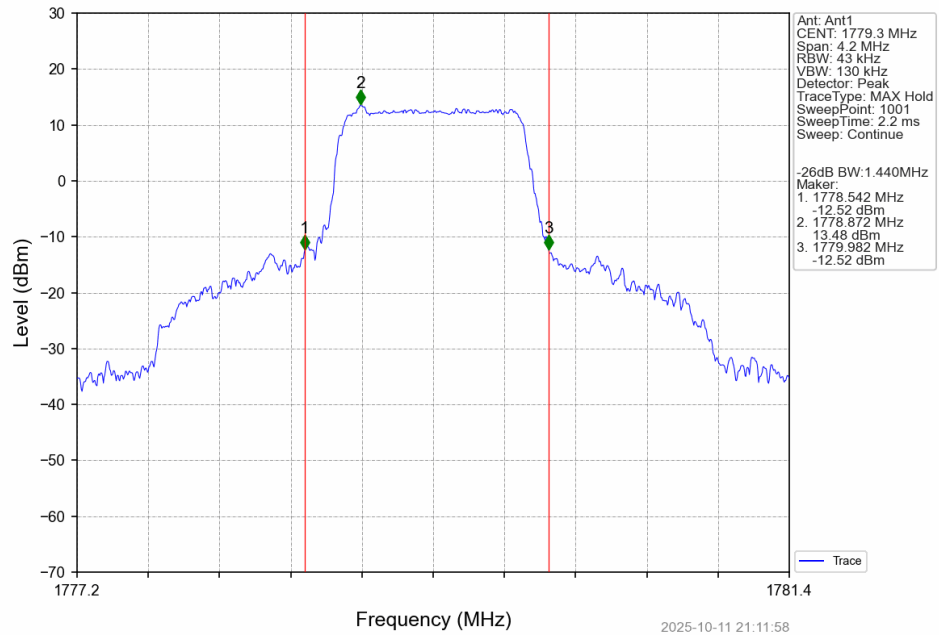
Band66_20MHz_16QAM_HCH_1770MHz_RB_27_73_NTNV



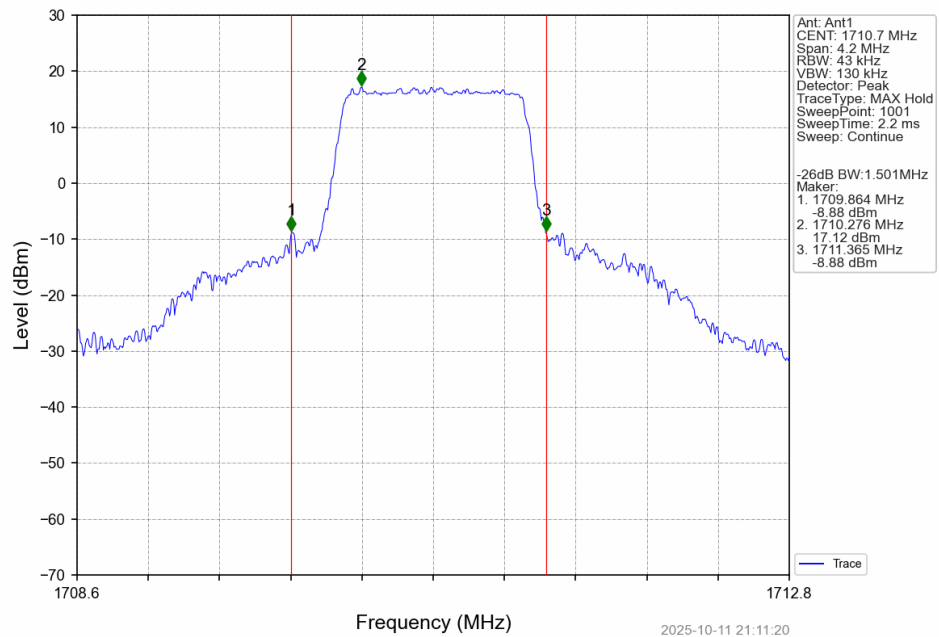
4.2.2 Band66_XDB



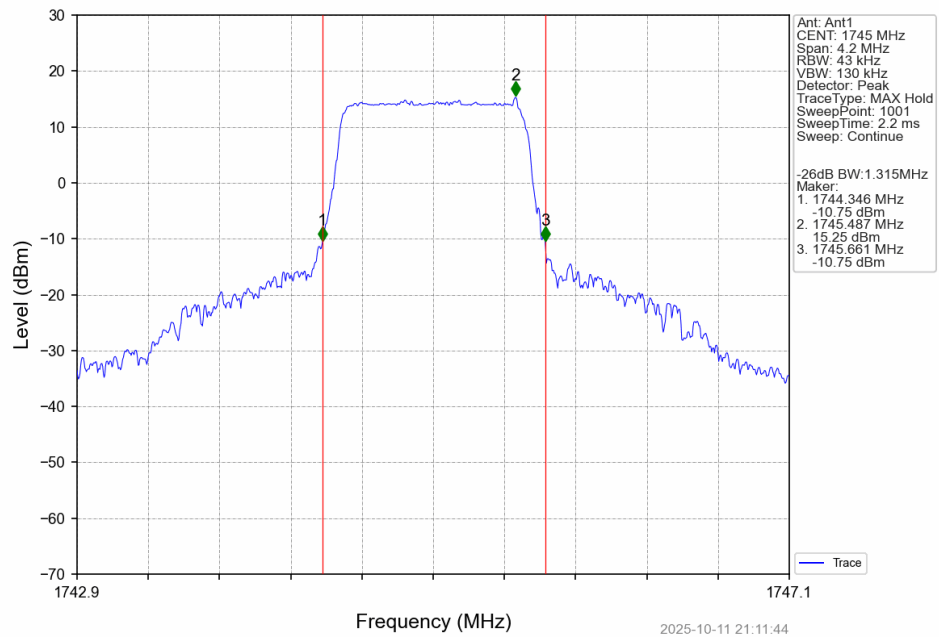
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



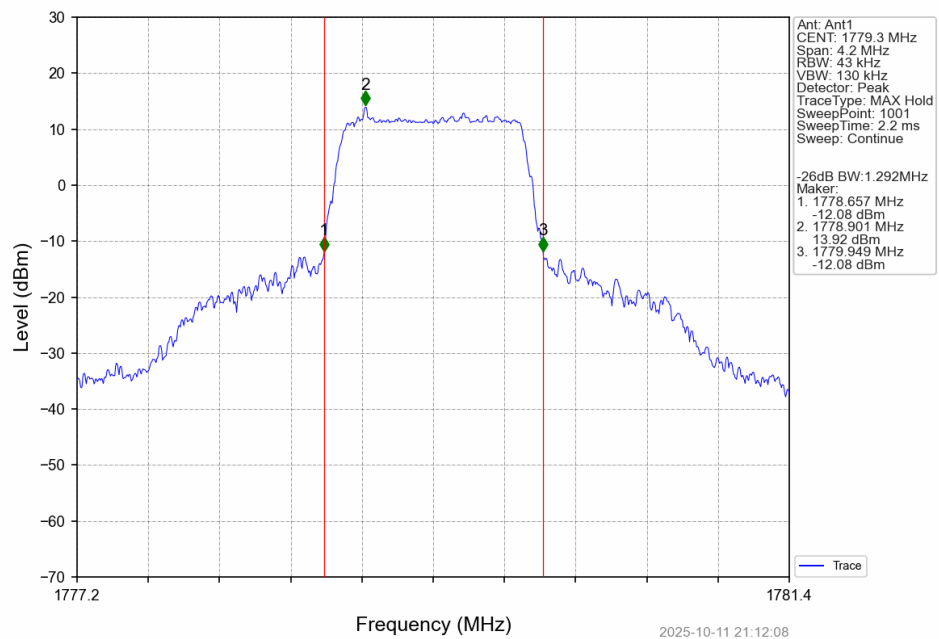
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



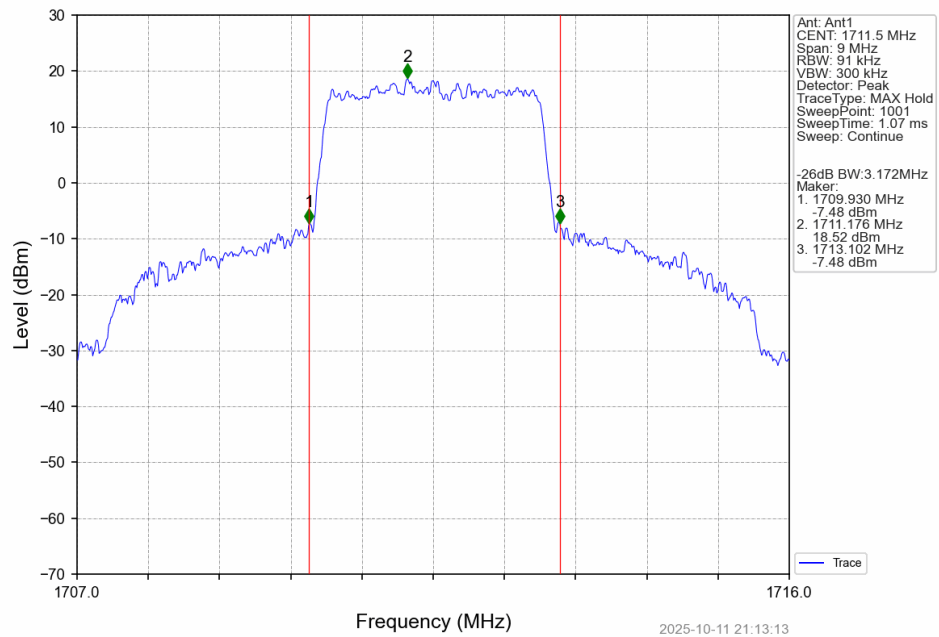
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



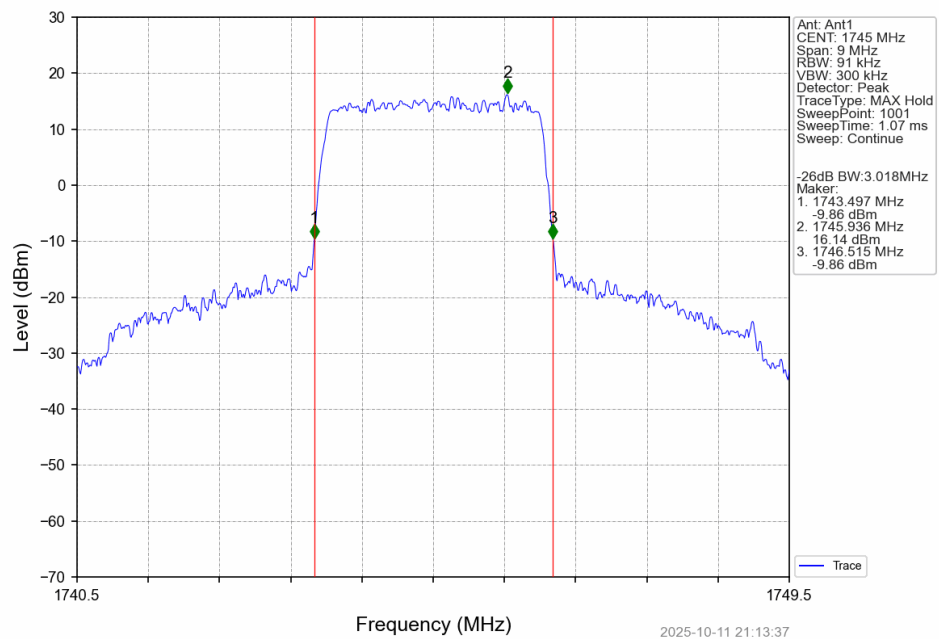
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



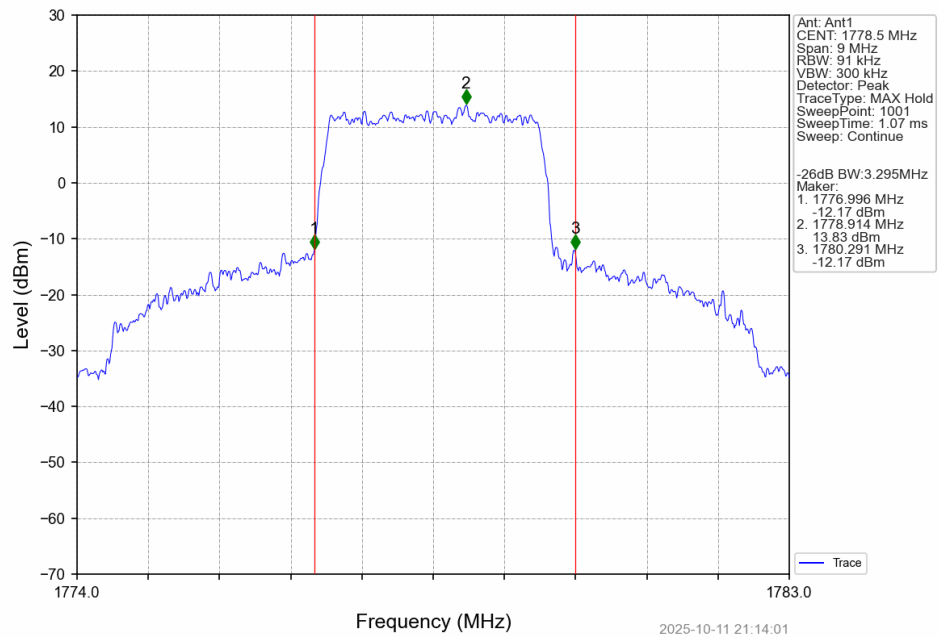
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



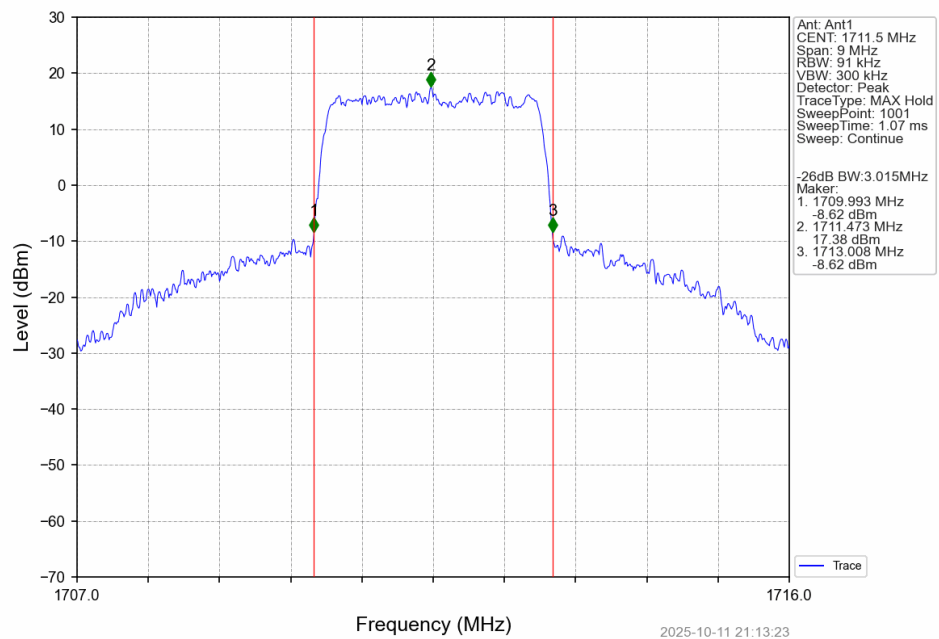
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



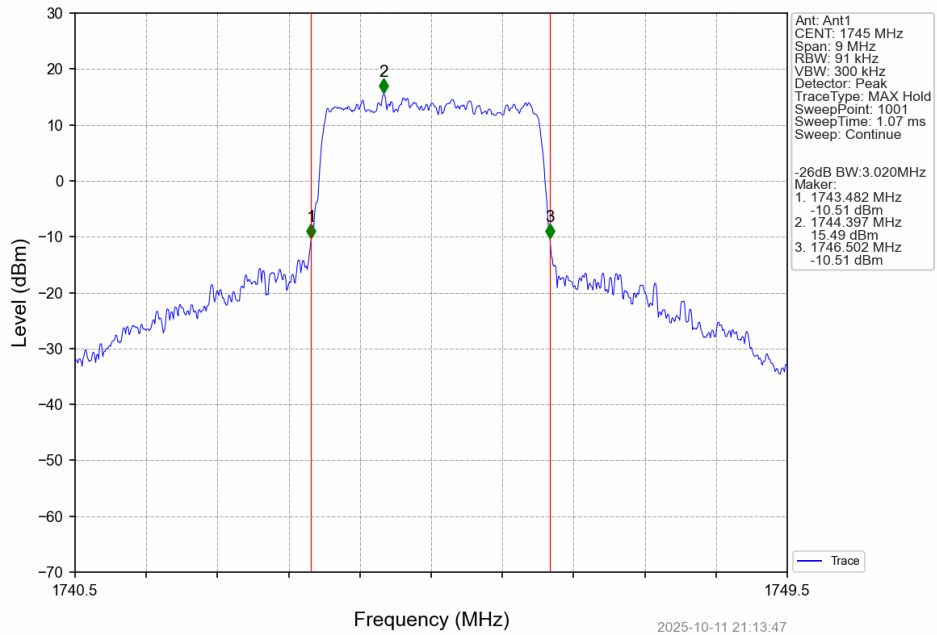
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



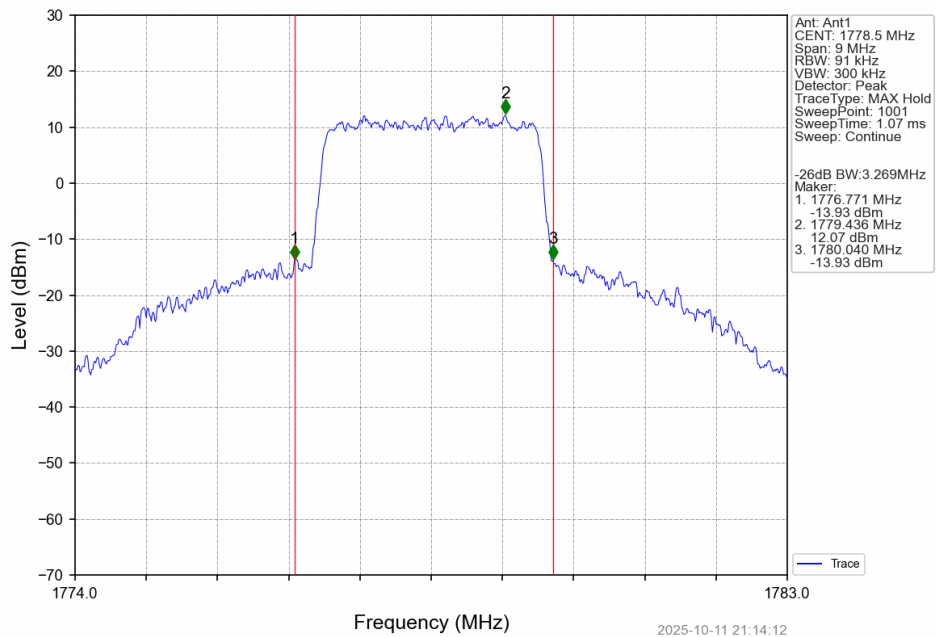
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



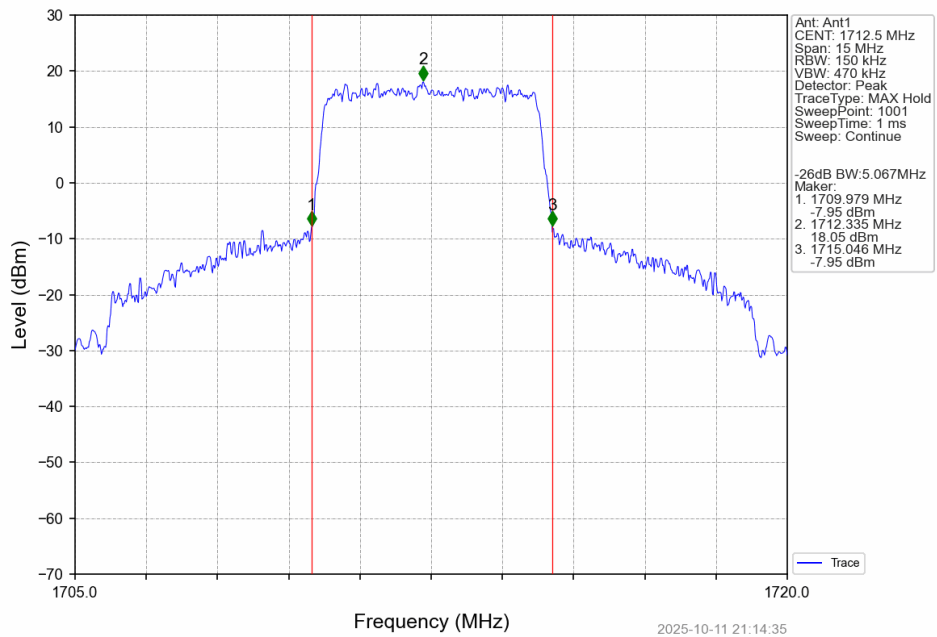
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



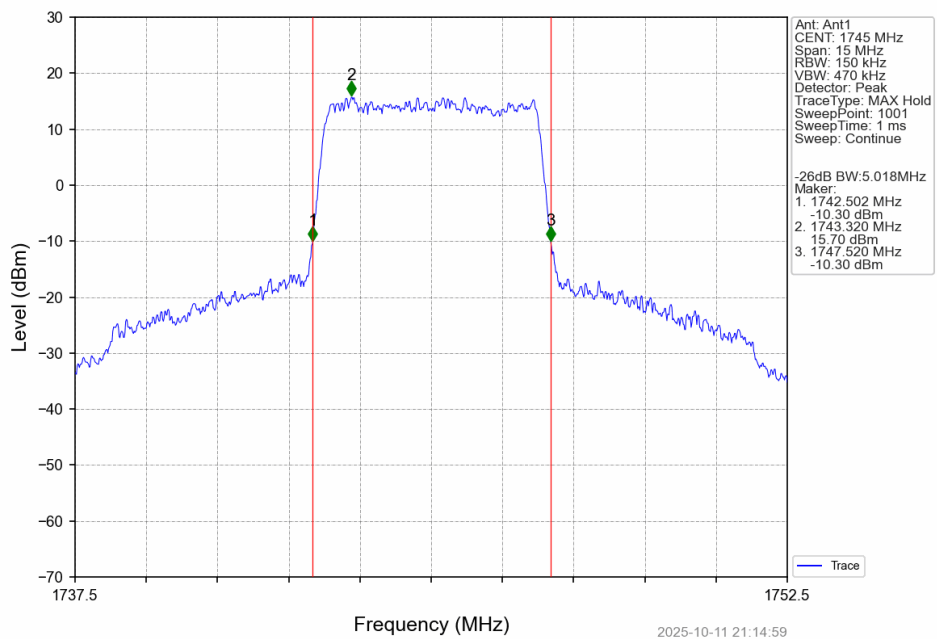
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



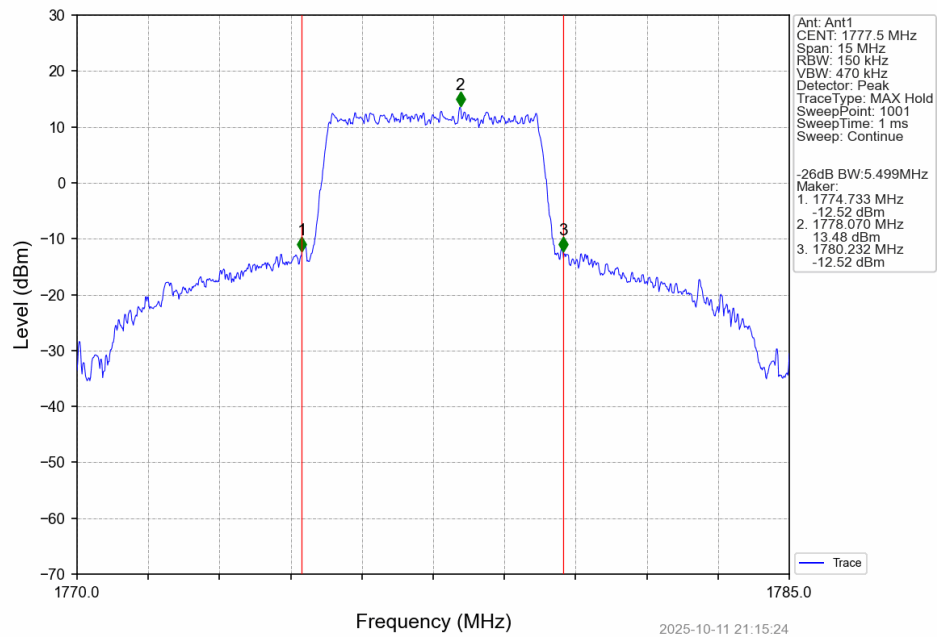
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



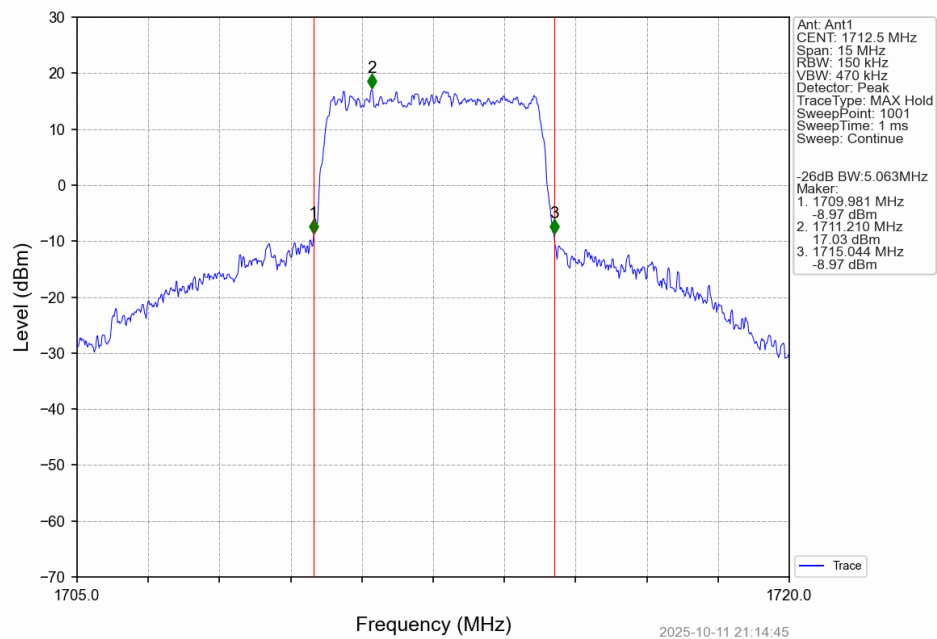
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



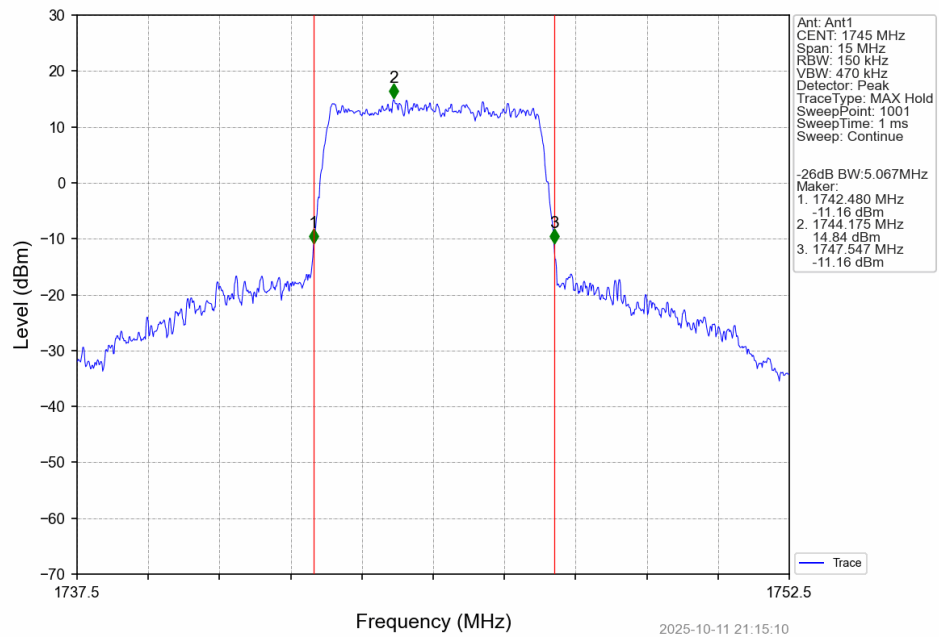
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



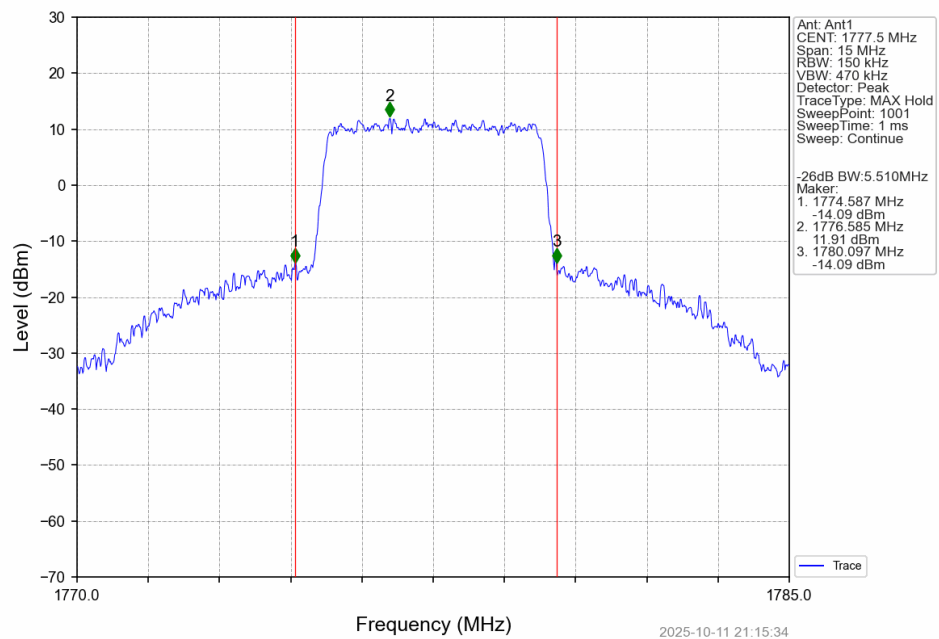
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



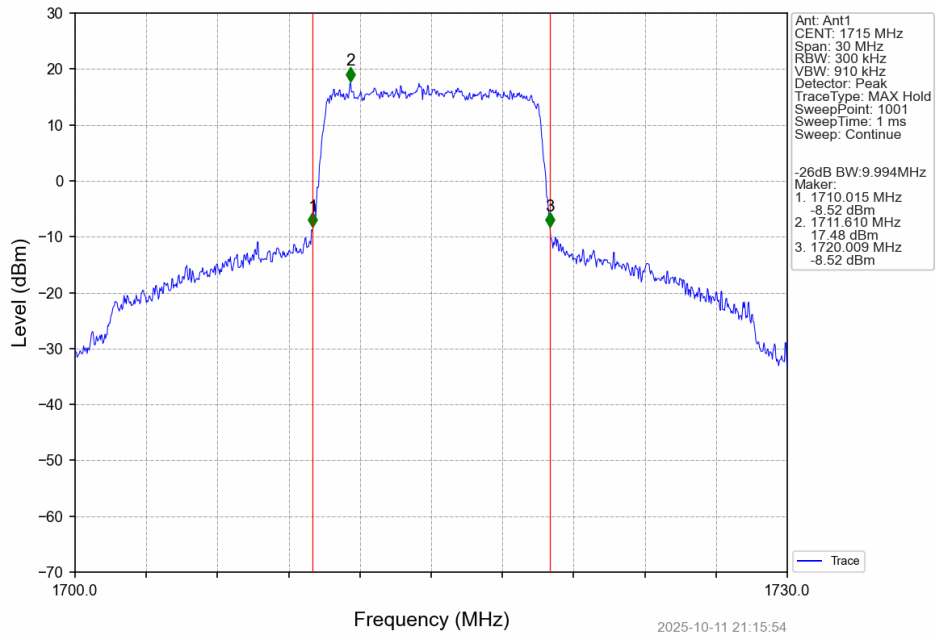
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



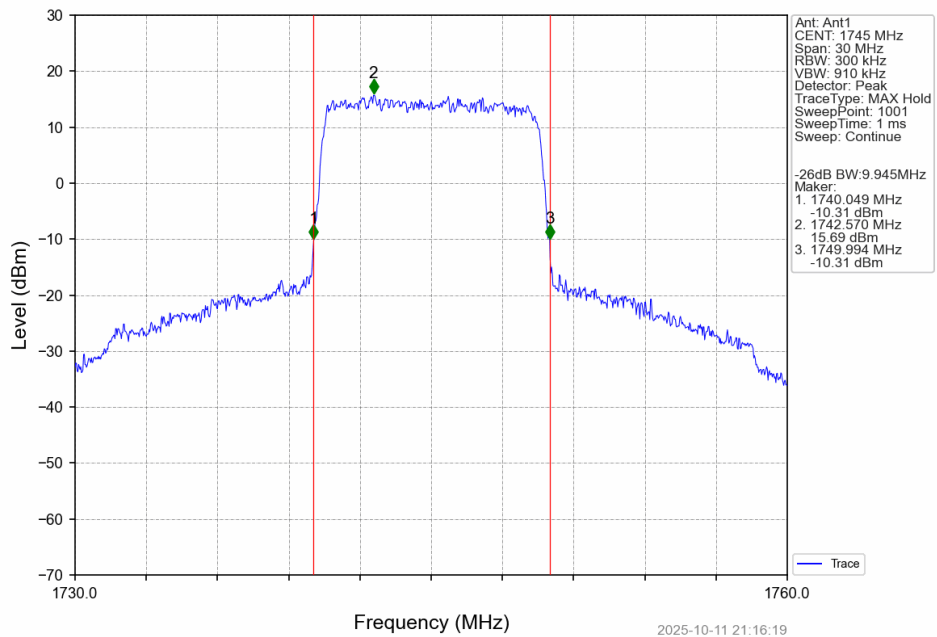
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



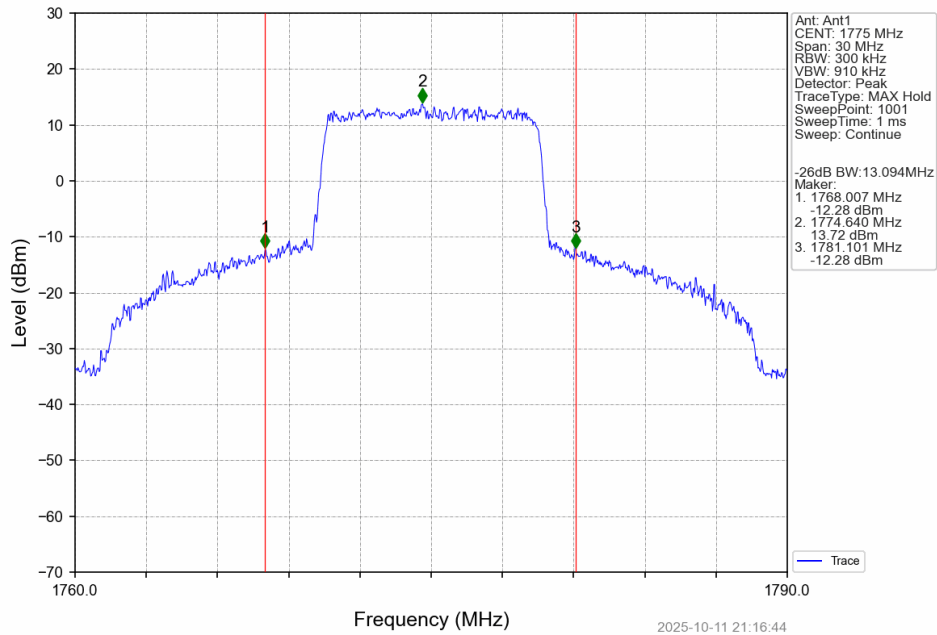
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



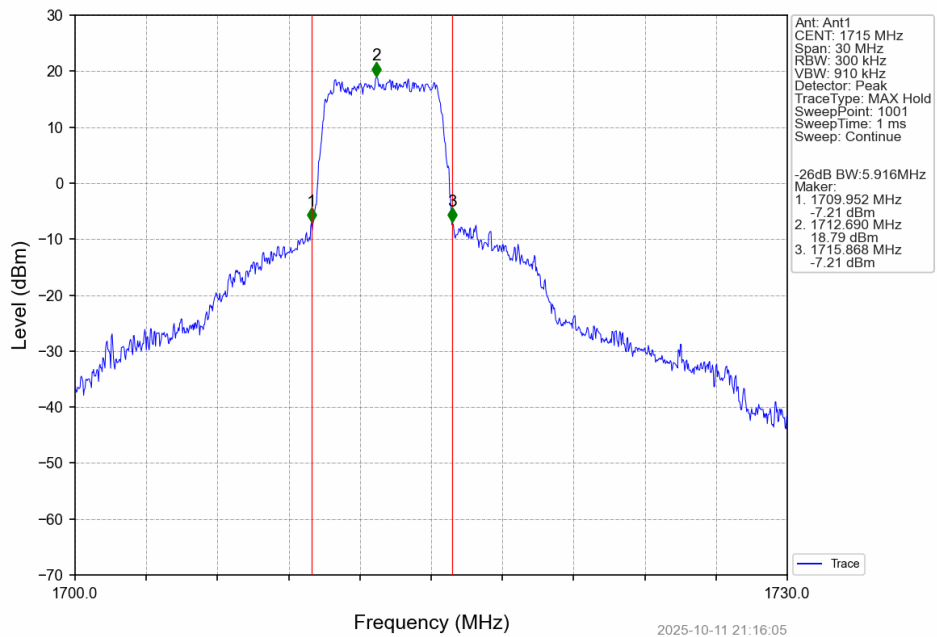
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



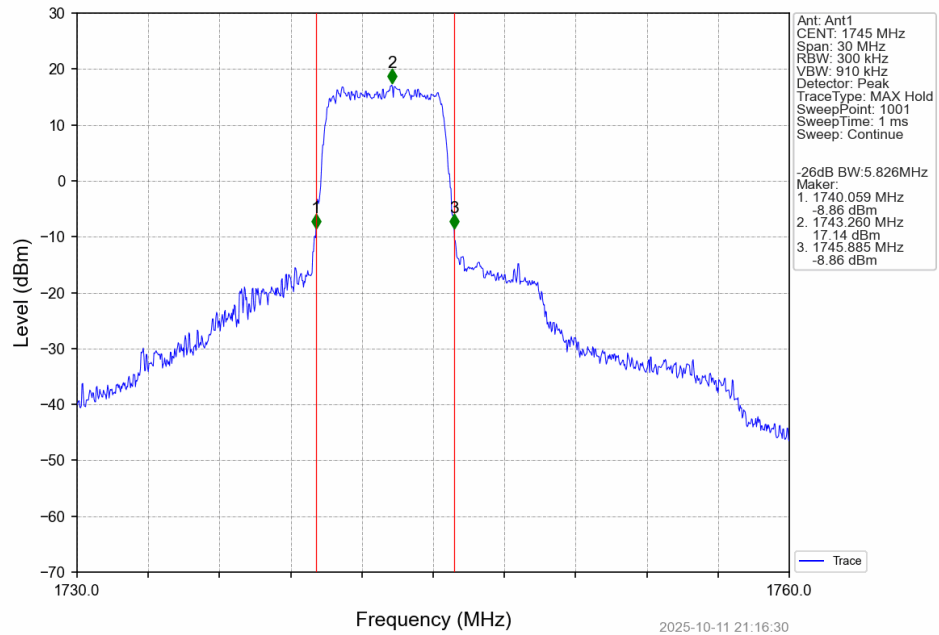
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



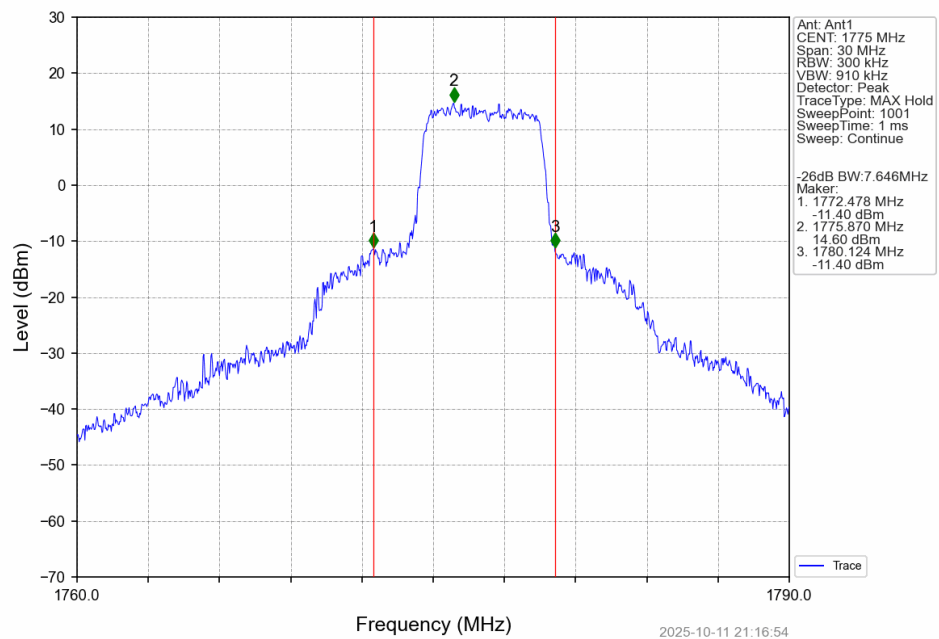
Band66_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



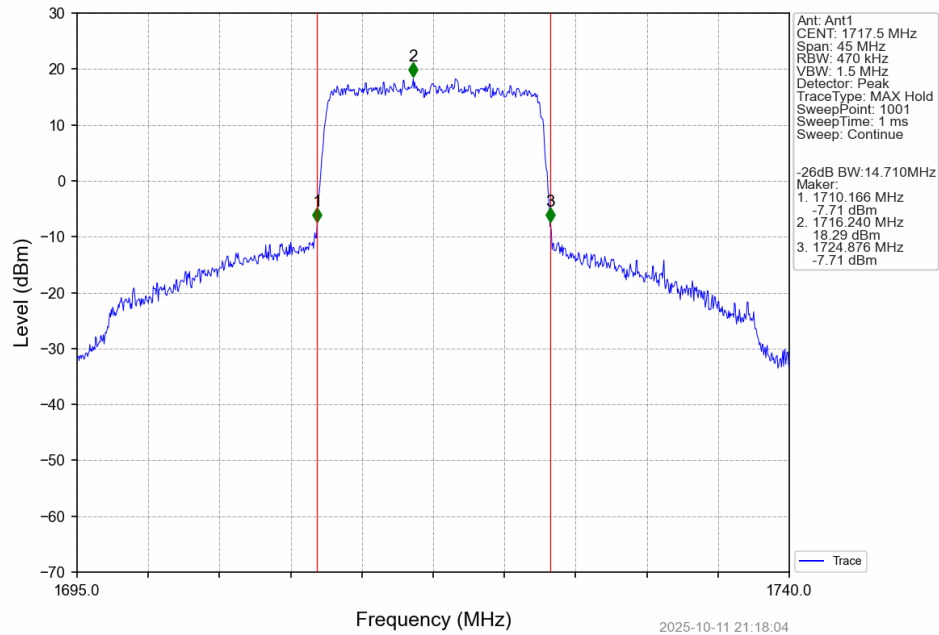
Band66_10MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV



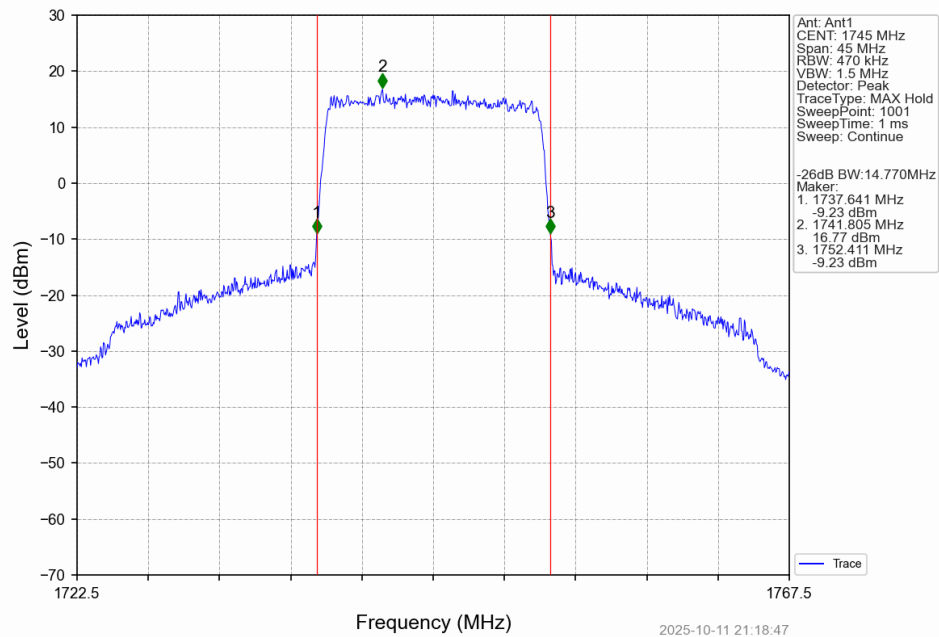
Band66_10MHz_16QAM_HCH_1775MHz_RB_27_23_NTNV



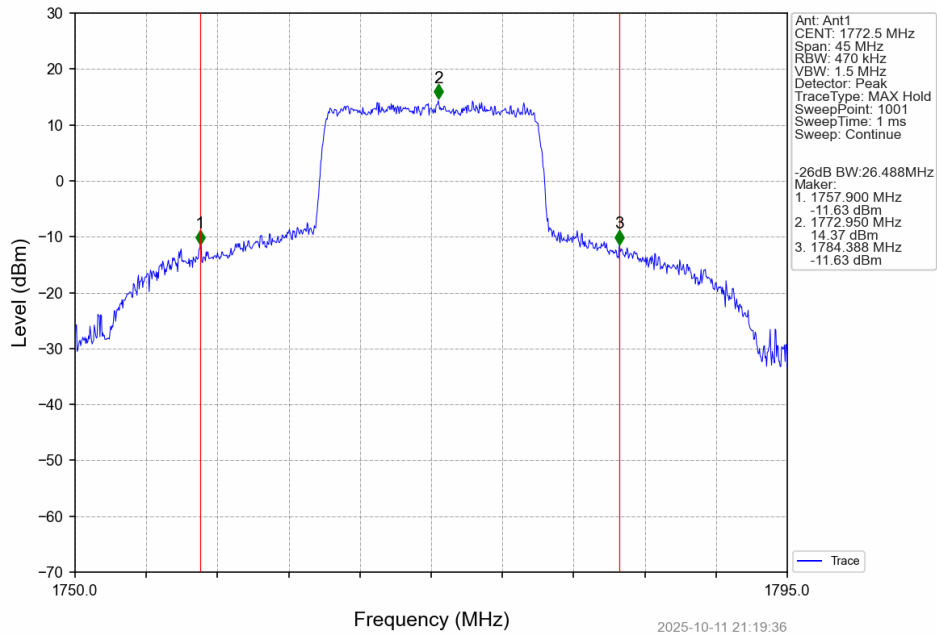
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



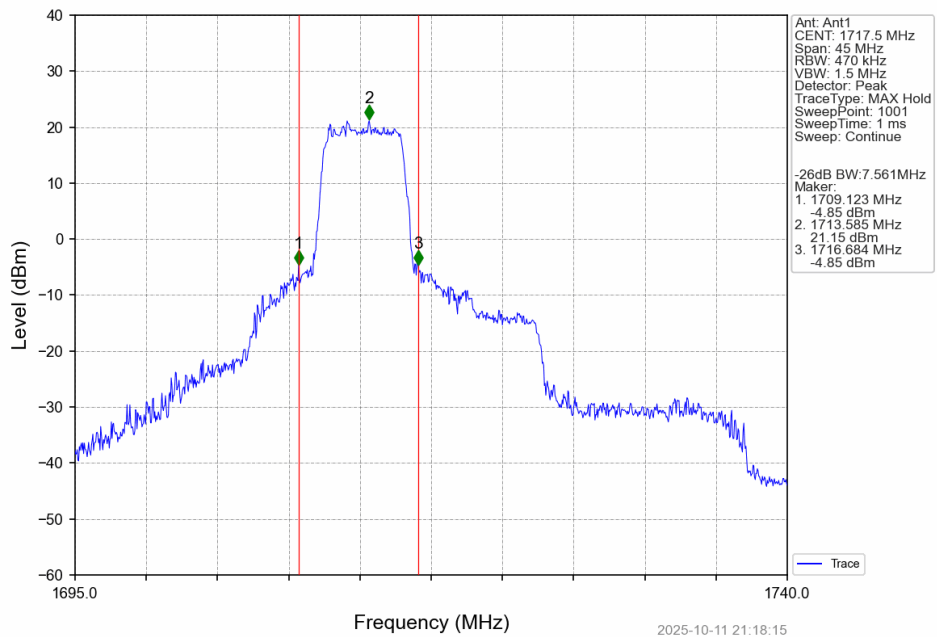
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



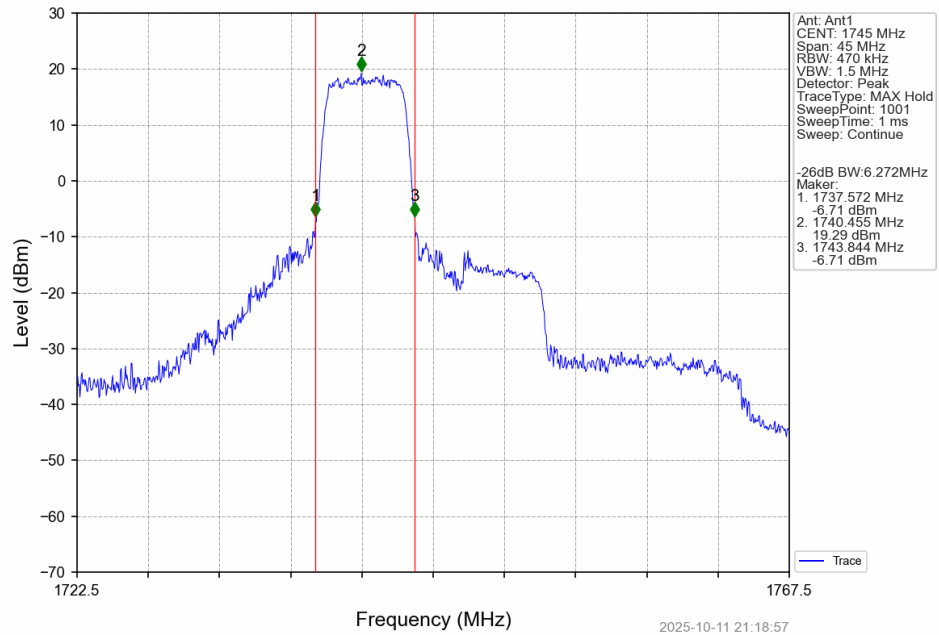
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



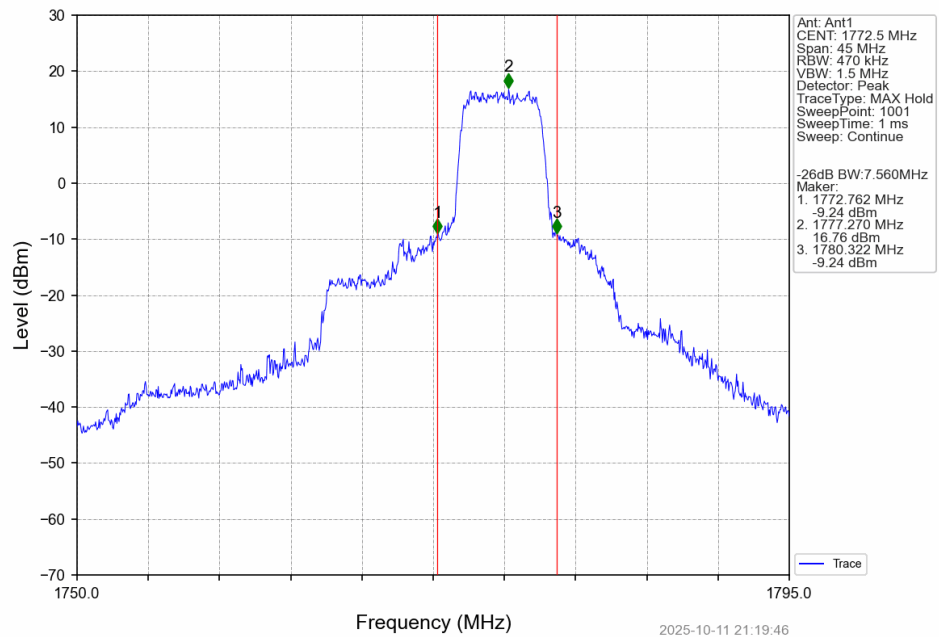
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



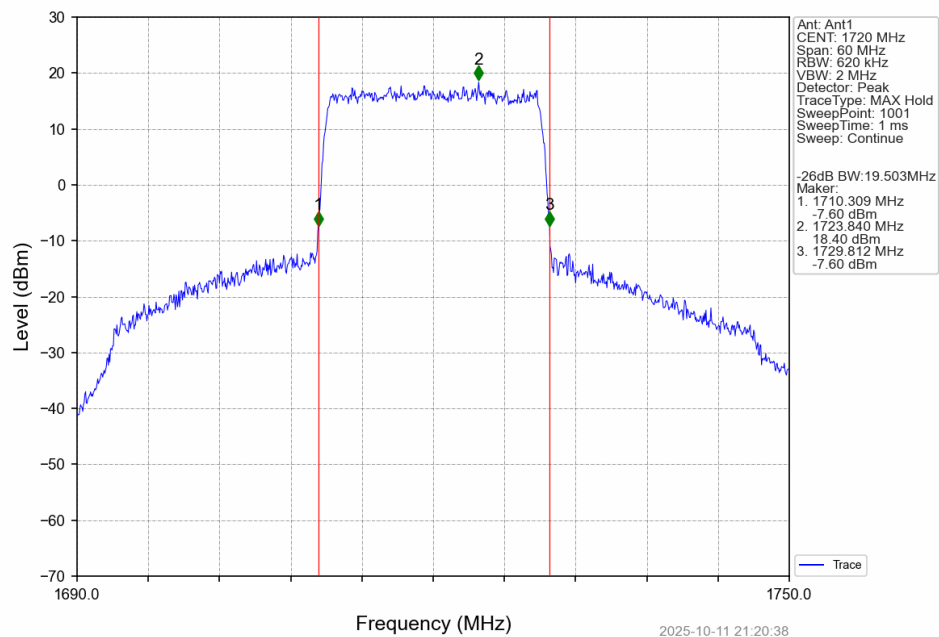
Band66_15MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV



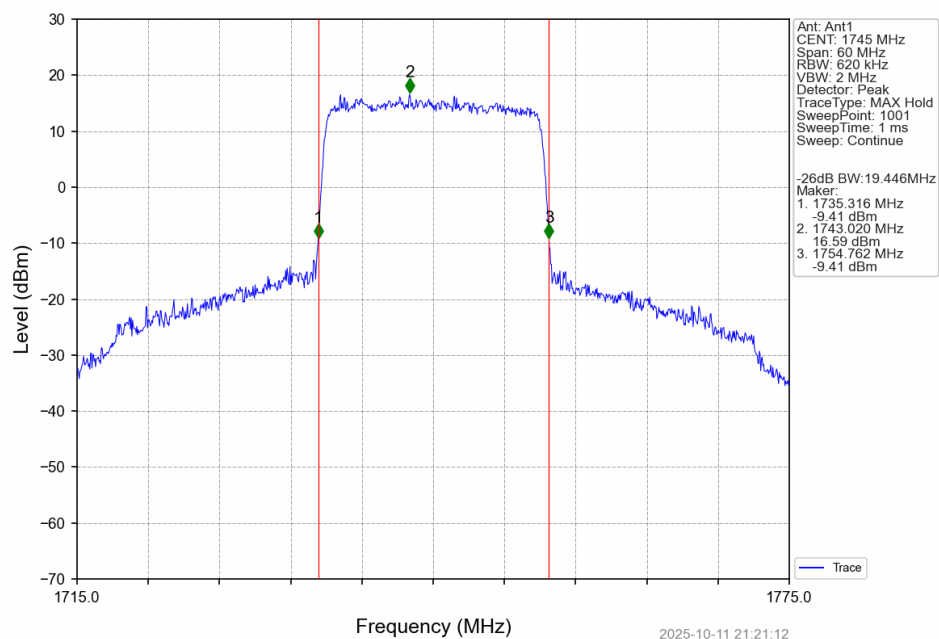
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_27_48_NTNV



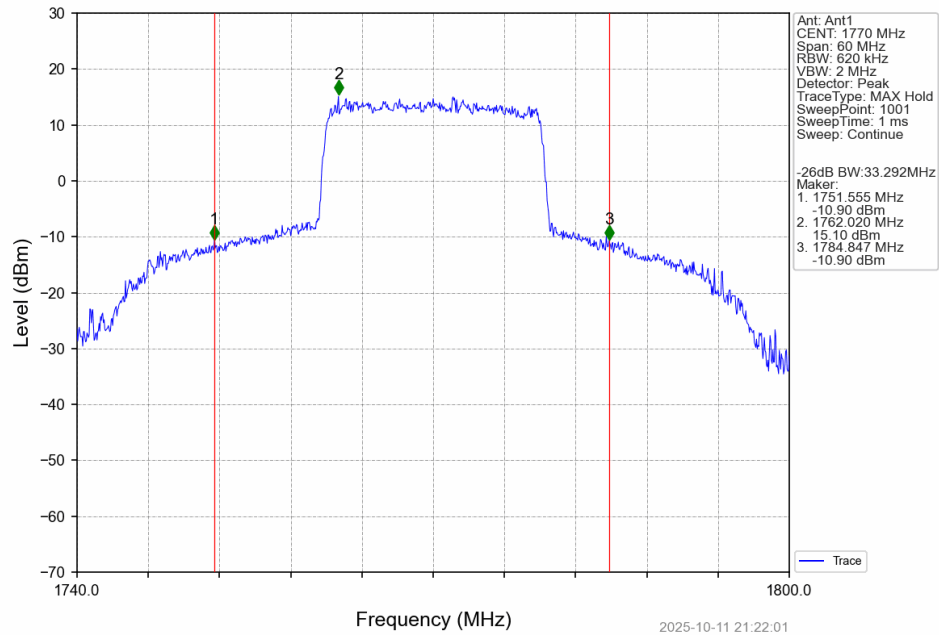
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



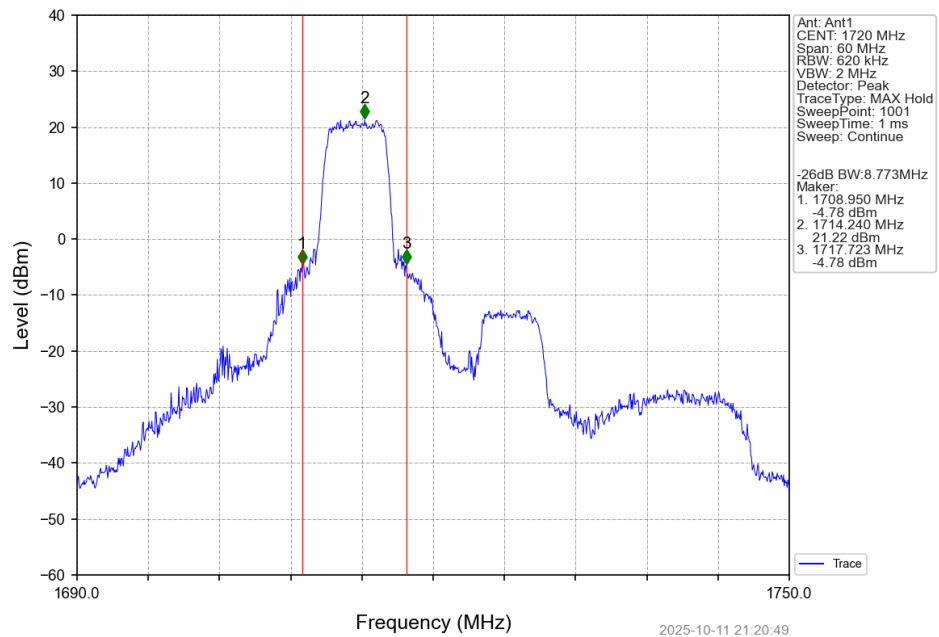
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



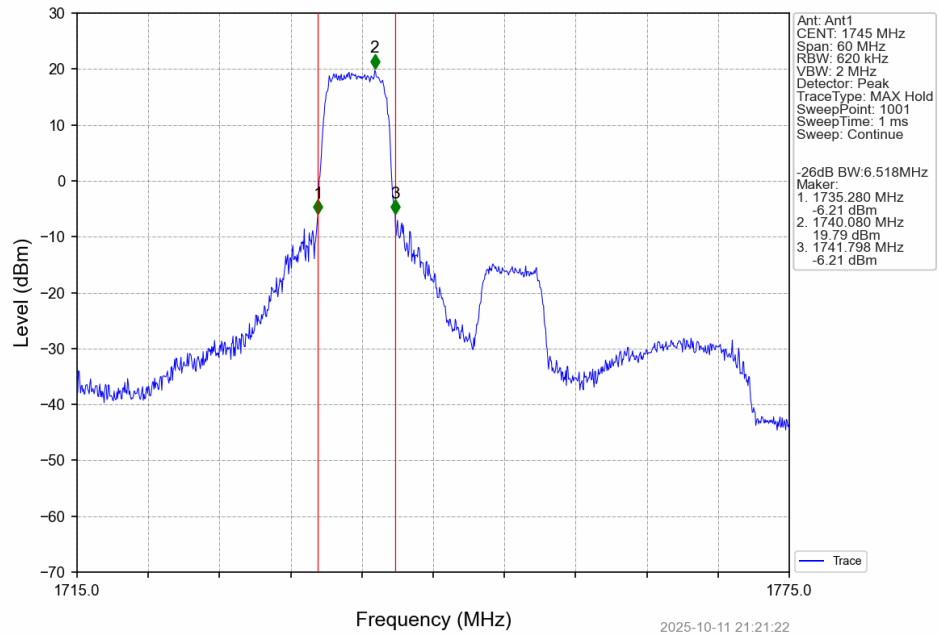
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



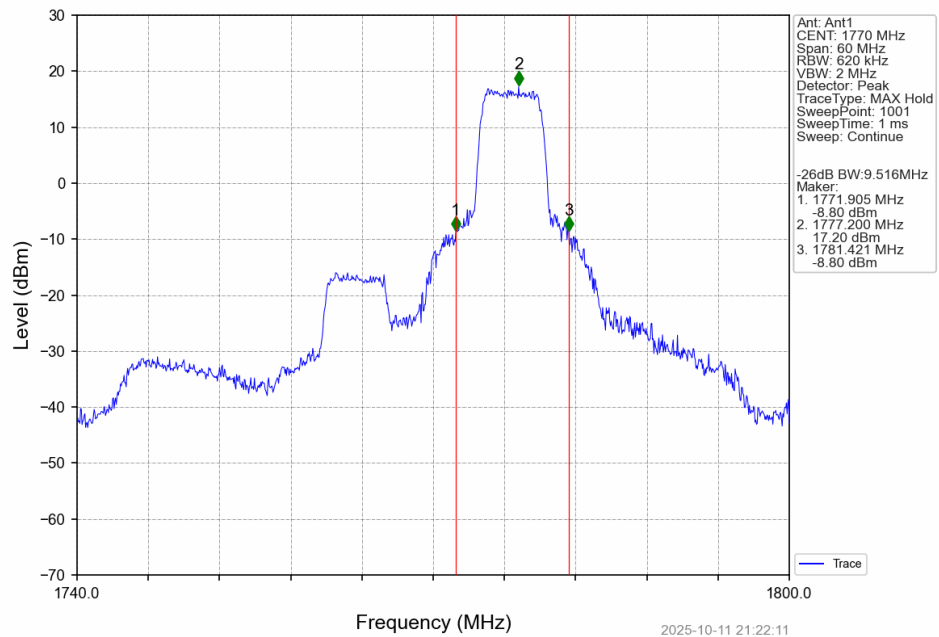
Band66_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_27_73_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B66_1.4MHz

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	3.31	<=13	Pass
	1745	6	0	4.26	<=13	Pass
	1779.3	6	0	3.69	<=13	Pass
16QAM	1710.7	6	0	4.27	<=13	Pass
	1745	6	0	5.09	<=13	Pass
	1779.3	6	0	4.57	<=13	Pass

5.1.2 B66_3MHz

Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	3.72	<=13	Pass
	1745	15	0	4.58	<=13	Pass
	1778.5	15	0	3.97	<=13	Pass
16QAM	1711.5	15	0	4.57	<=13	Pass
	1745	15	0	5.37	<=13	Pass
	1778.5	15	0	4.83	<=13	Pass

5.1.3 B66_5MHz

Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	4.47	<=13	Pass
	1745	25	0	4.96	<=13	Pass
	1777.5	25	0	4.54	<=13	Pass
16QAM	1712.5	25	0	5.20	<=13	Pass
	1745	25	0	5.66	<=13	Pass
	1777.5	25	0	5.25	<=13	Pass

5.1.4 B66_10MHz

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	4.59	<=13	Pass
	1745	50	0	4.94	<=13	Pass
	1775	50	0	4.33	<=13	Pass
16QAM	1715	27	0	4.78	<=13	Pass
	1745	27	0	5.60	<=13	Pass

	1775	27	23	8.05	<=13	Pass
--	------	----	----	------	------	------

5.1.5 B66_15MHz

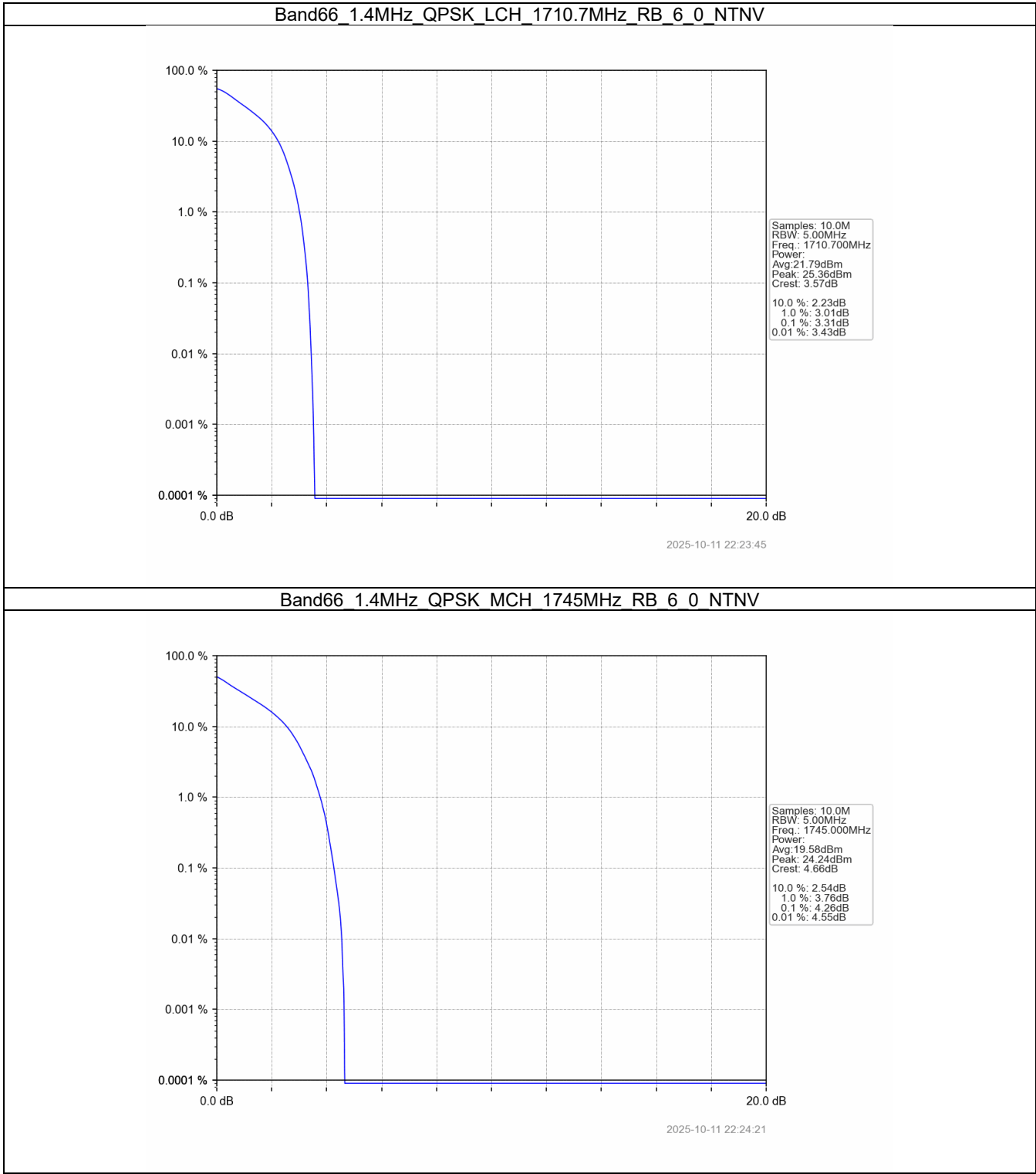
Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.97	<=13	Pass
	1745	75	0	5.11	<=13	Pass
	1772.5	75	0	4.35	<=13	Pass
16QAM	1717.5	27	0	4.68	<=13	Pass
	1745	27	0	5.61	<=13	Pass
	1772.5	27	48	4.54	<=13	Pass

5.1.6 B66_20MHz

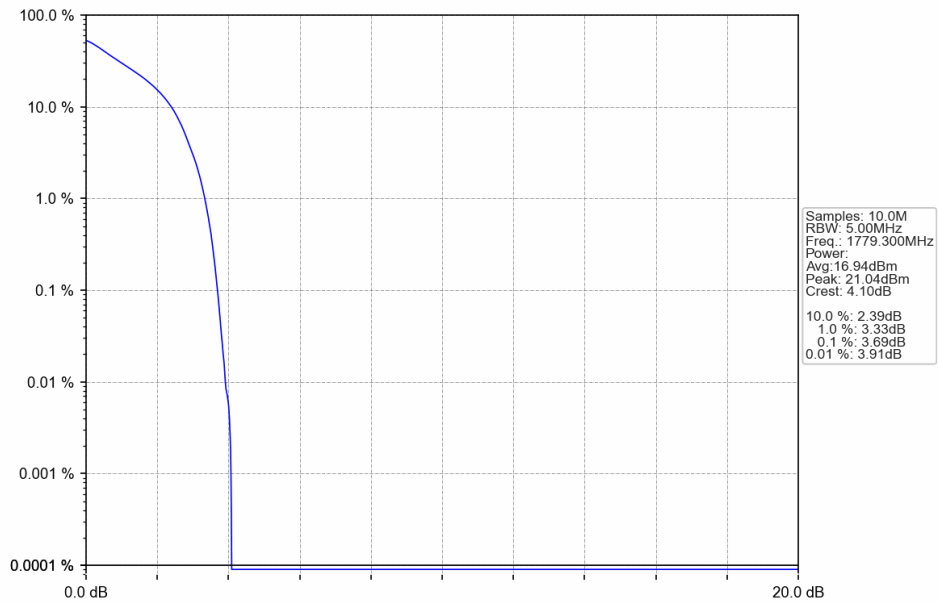
Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	4.85	<=13	Pass
	1745	100	0	4.85	<=13	Pass
	1770	100	0	8.41	<=13	Pass
16QAM	1720	27	0	4.74	<=13	Pass
	1745	27	0	5.78	<=13	Pass
	1770	27	73	4.38	<=13	Pass

5.2 Test Graph

5.2.1 B66_1.4MHz

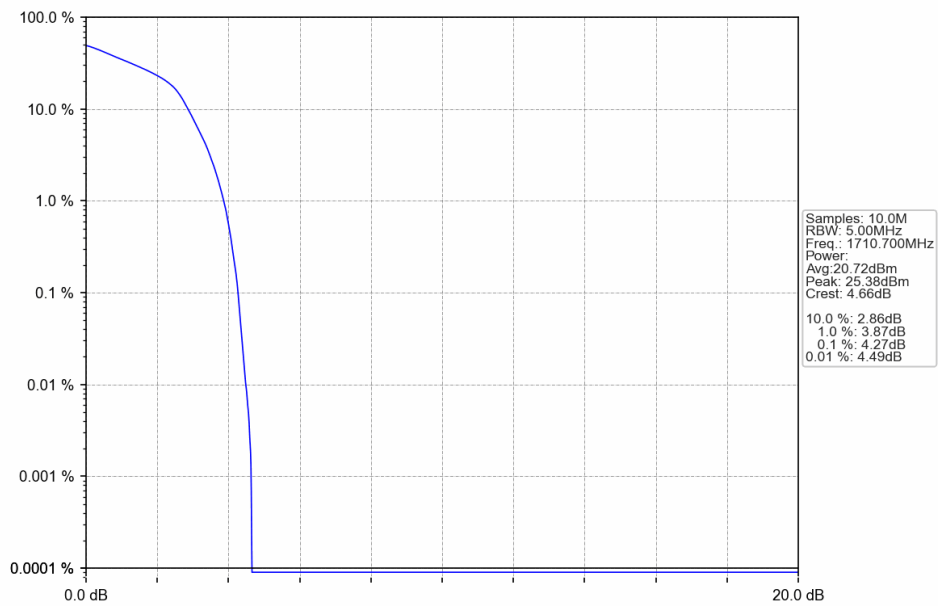


Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



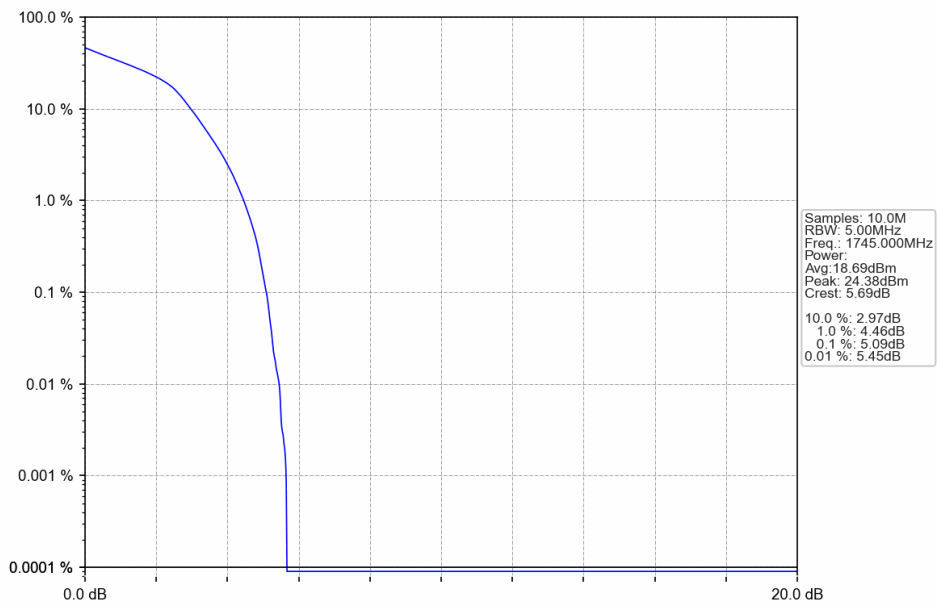
2025-10-11 22:24:59

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



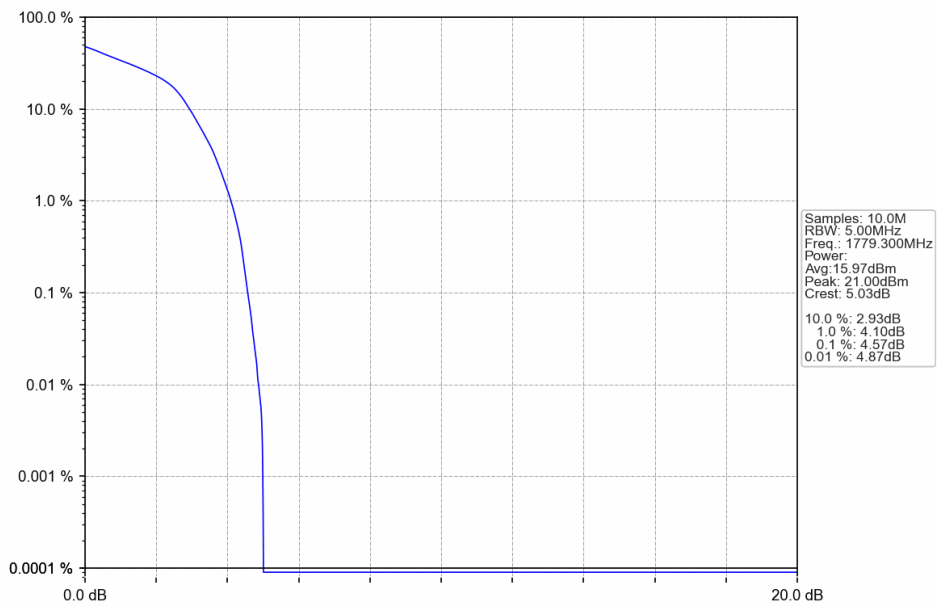
2025-10-11 22:24:01

Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



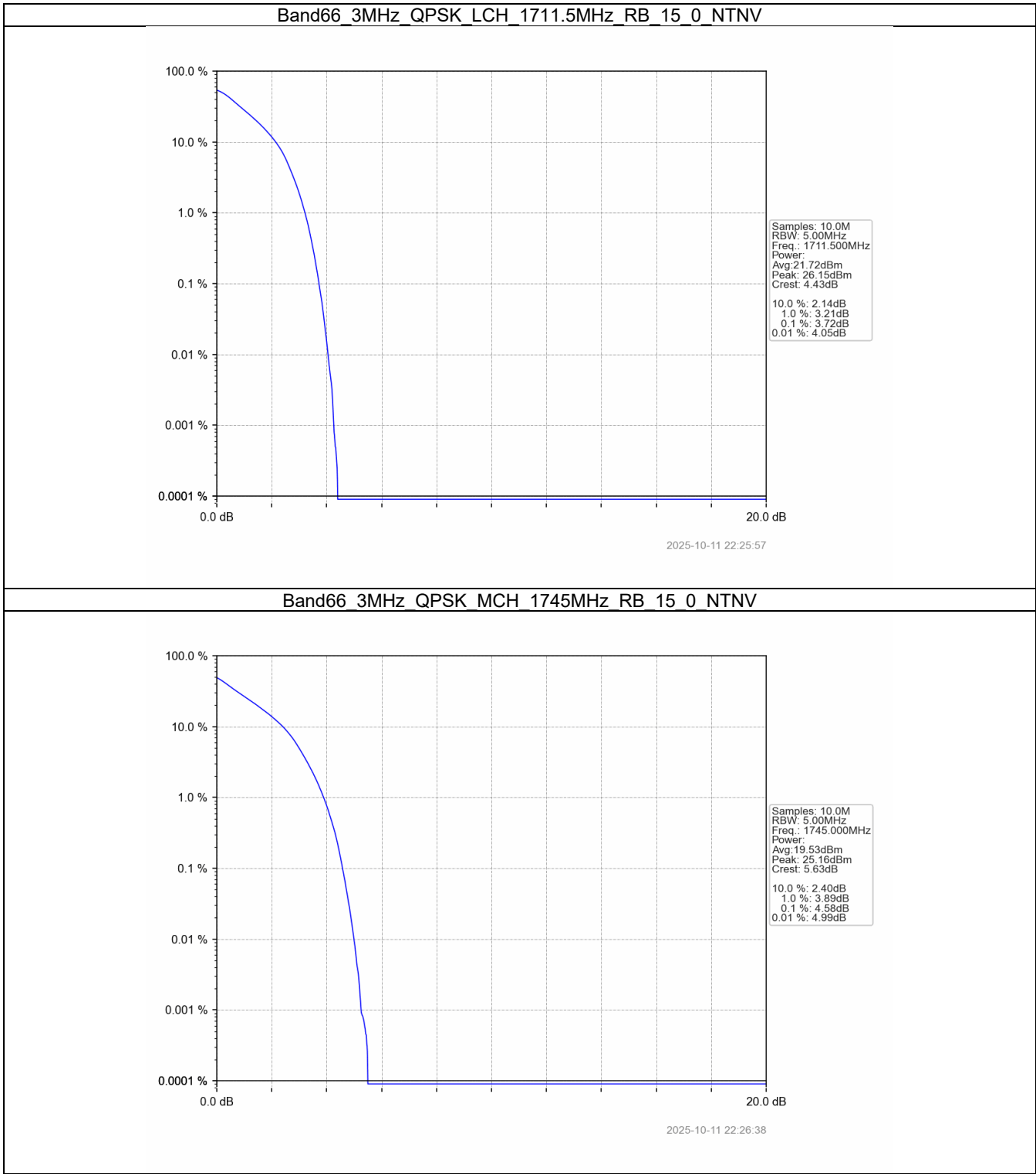
2025-10-11 22:24:40

Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV

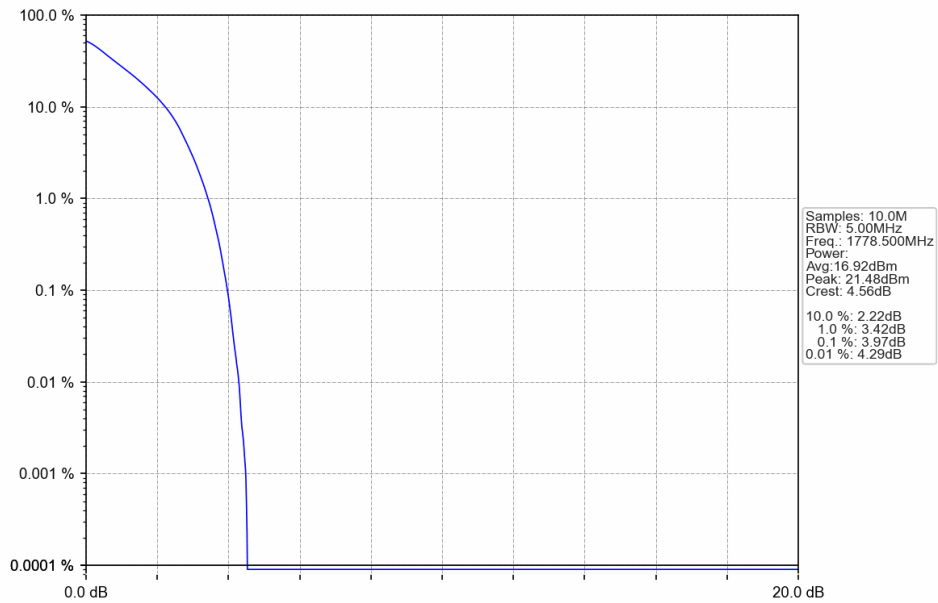


2025-10-11 22:25:17

5.2.2 B66_3MHz

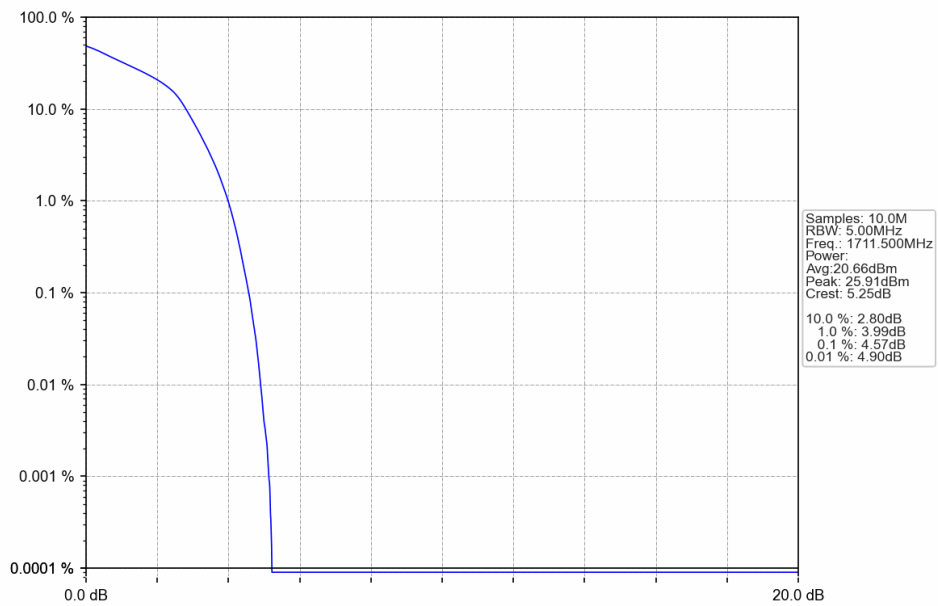


Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



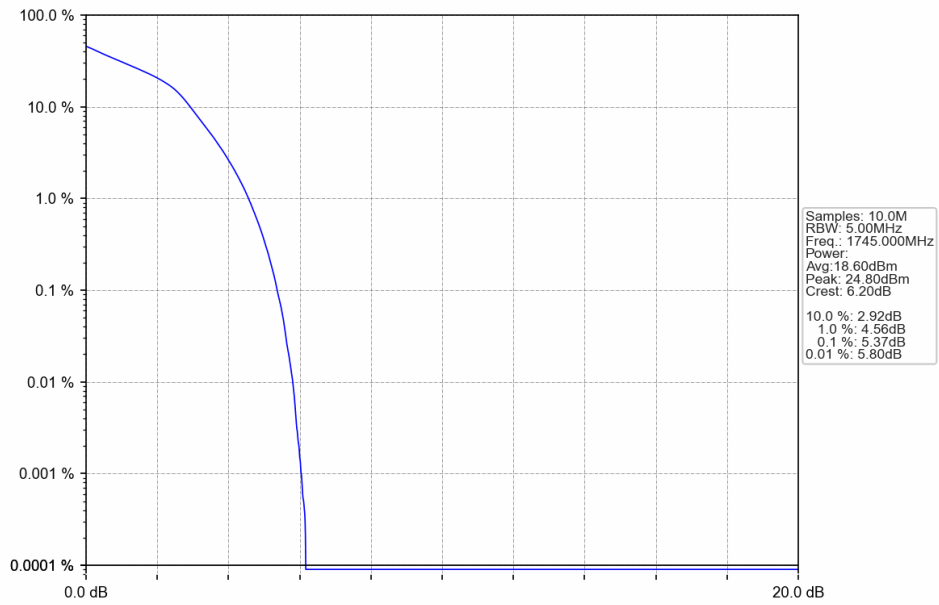
2025-10-11 22:27:19

Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



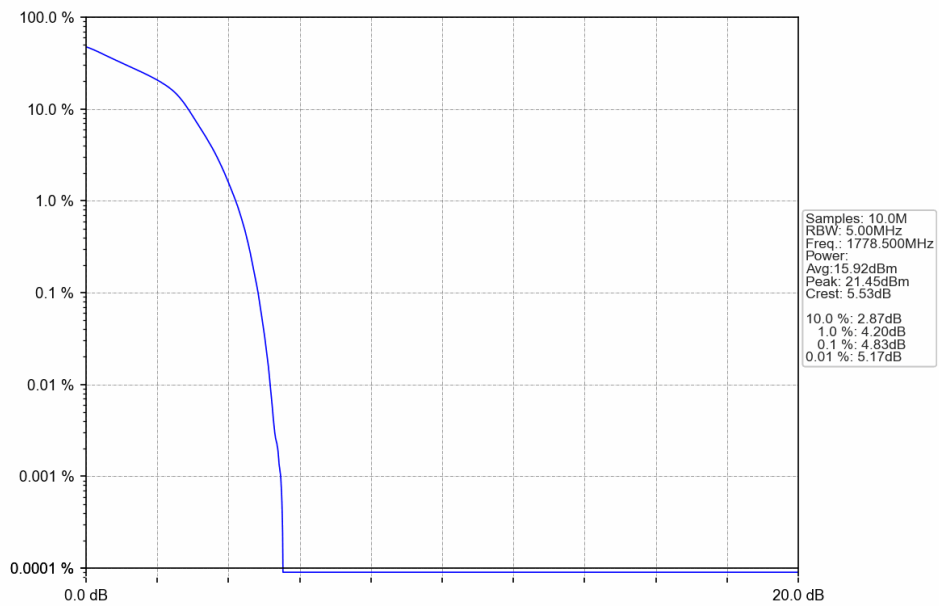
2025-10-11 22:26:15

Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



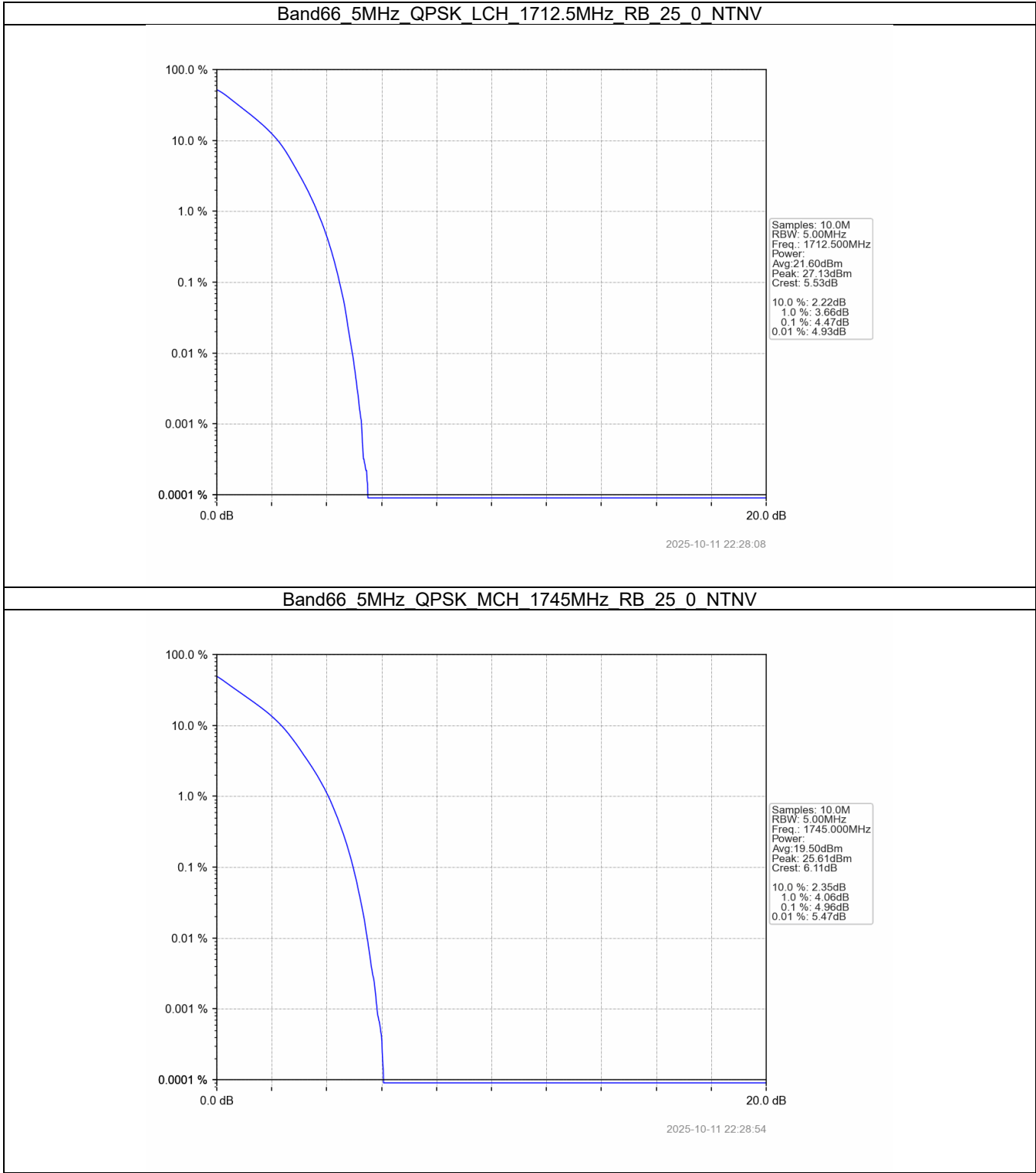
2025-10-11 22:26:59

Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV

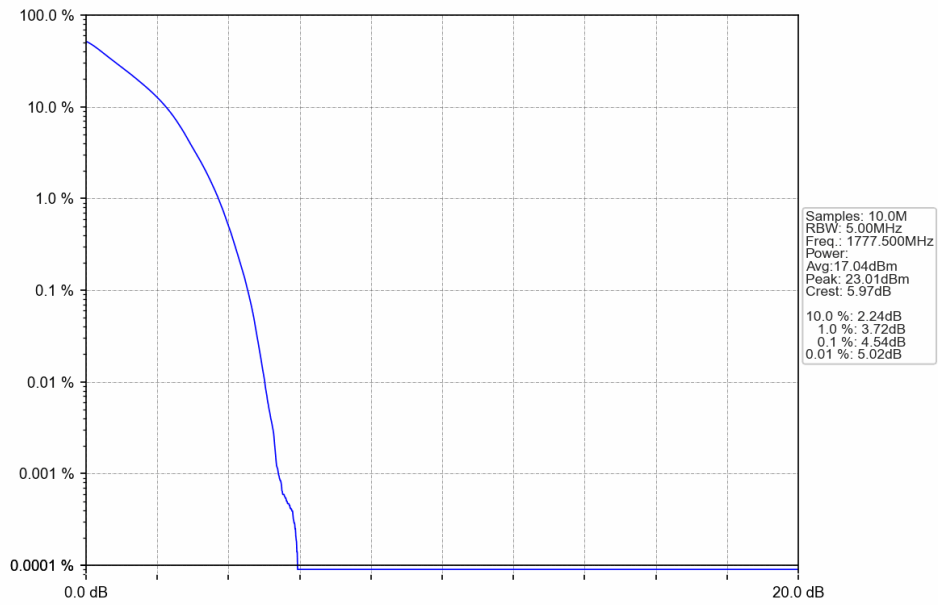


2025-10-11 22:27:38

5.2.3 B66_5MHz

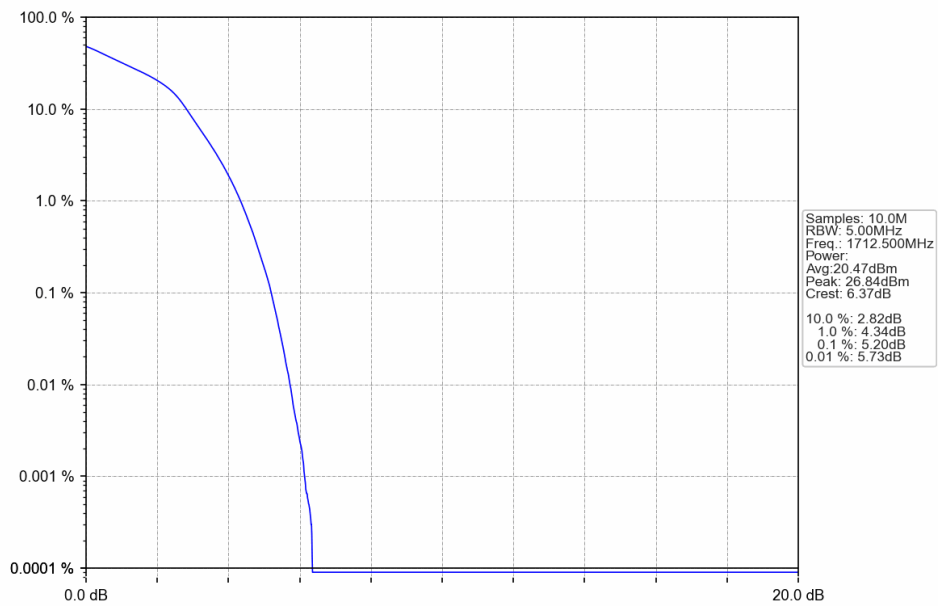


Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



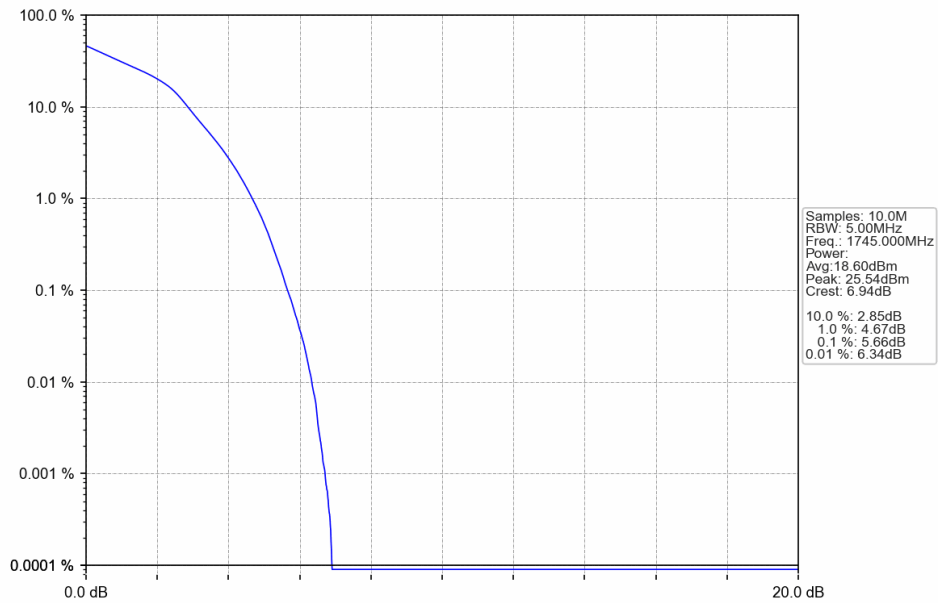
2025-10-11 22:29:41

Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



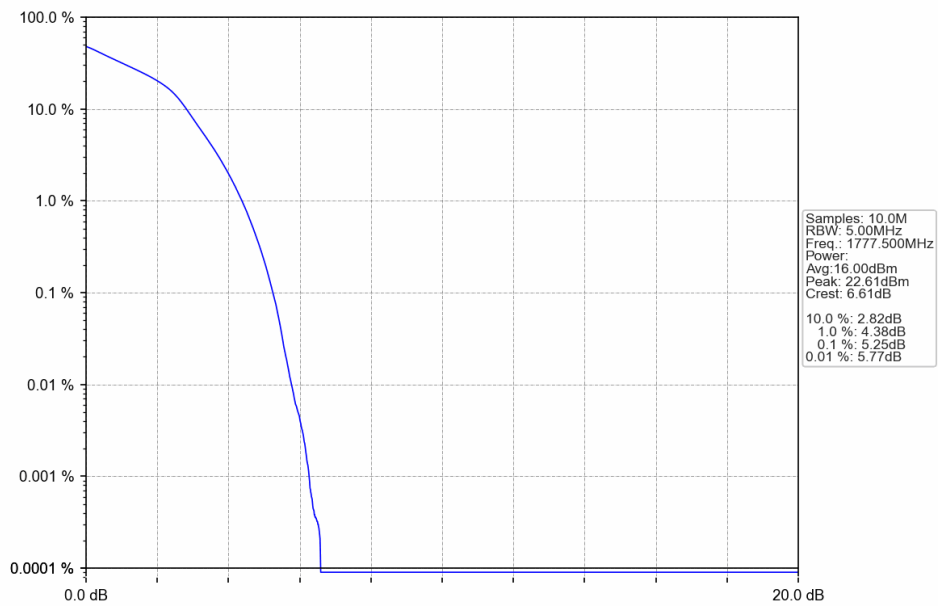
2025-10-11 22:28:30

Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



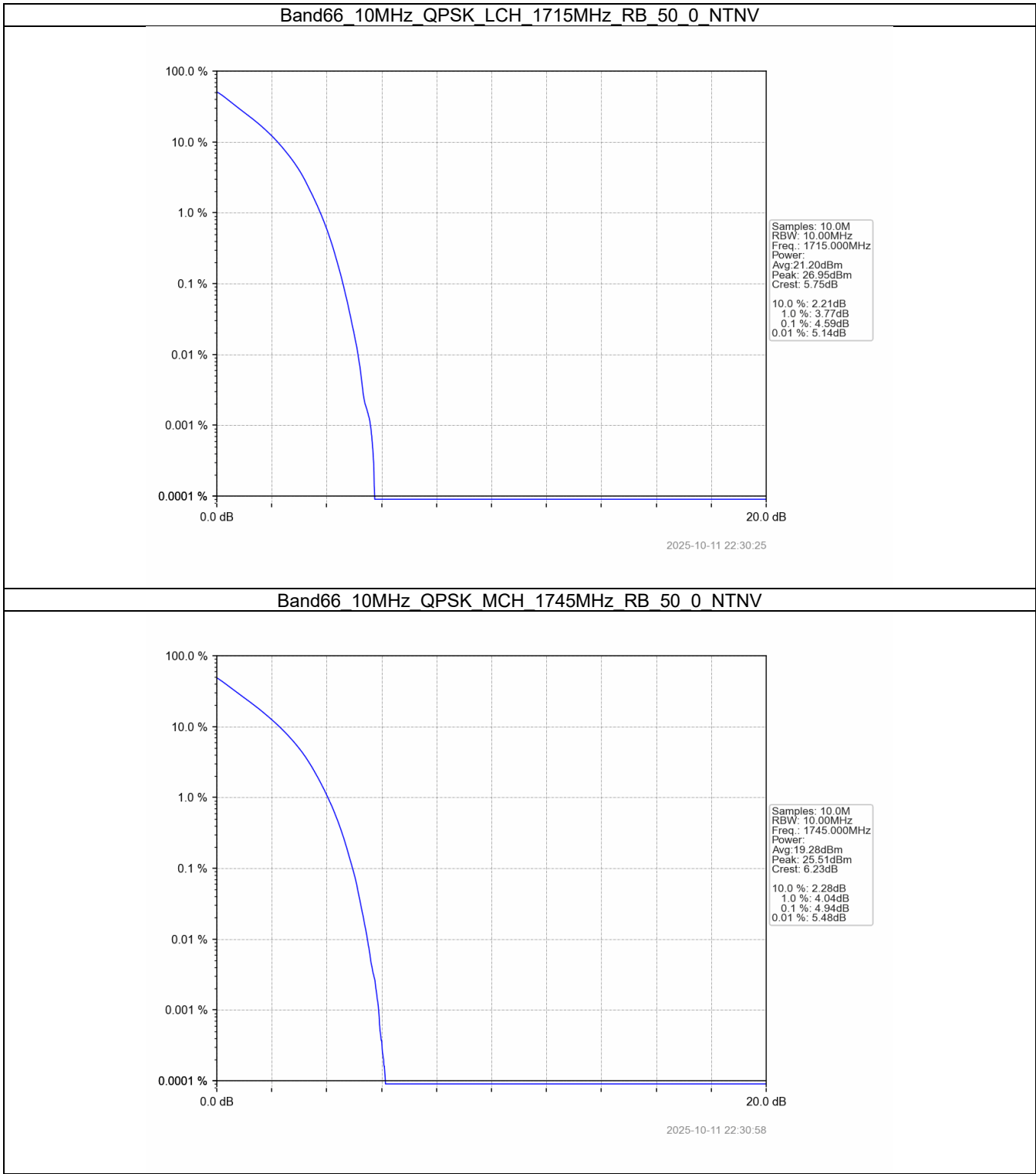
2025-10-11 22:29:17

Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV

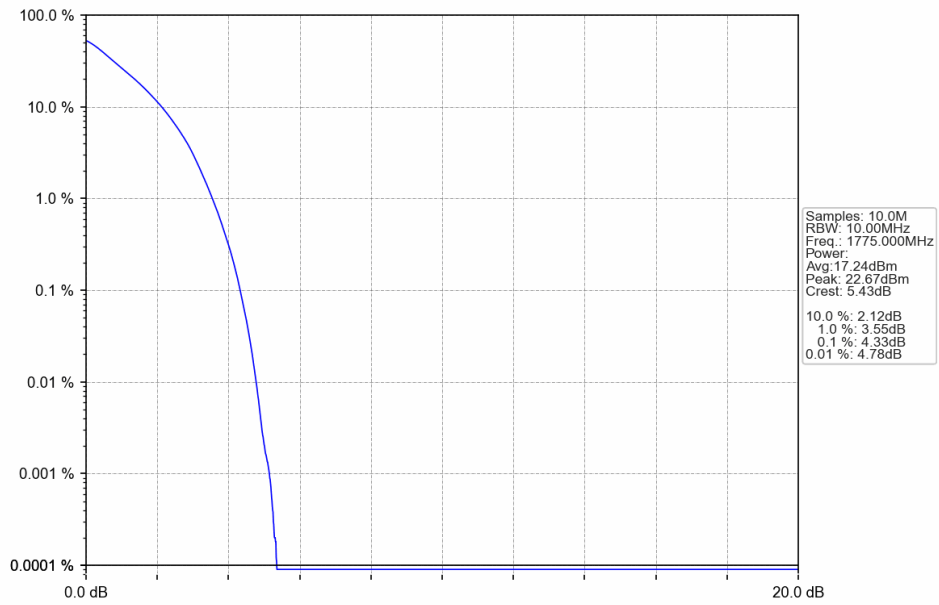


2025-10-11 22:30:03

5.2.4 B66_10MHz

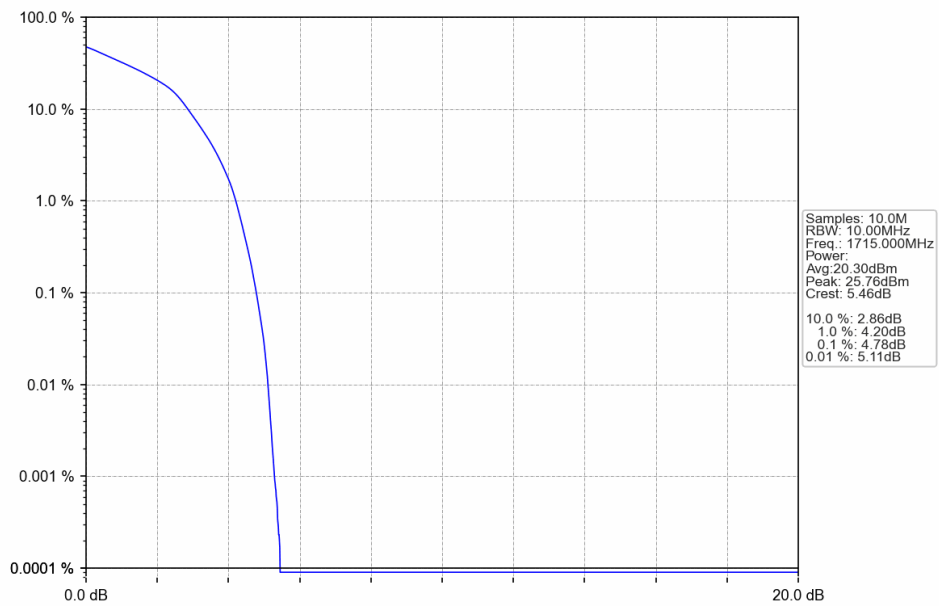


Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



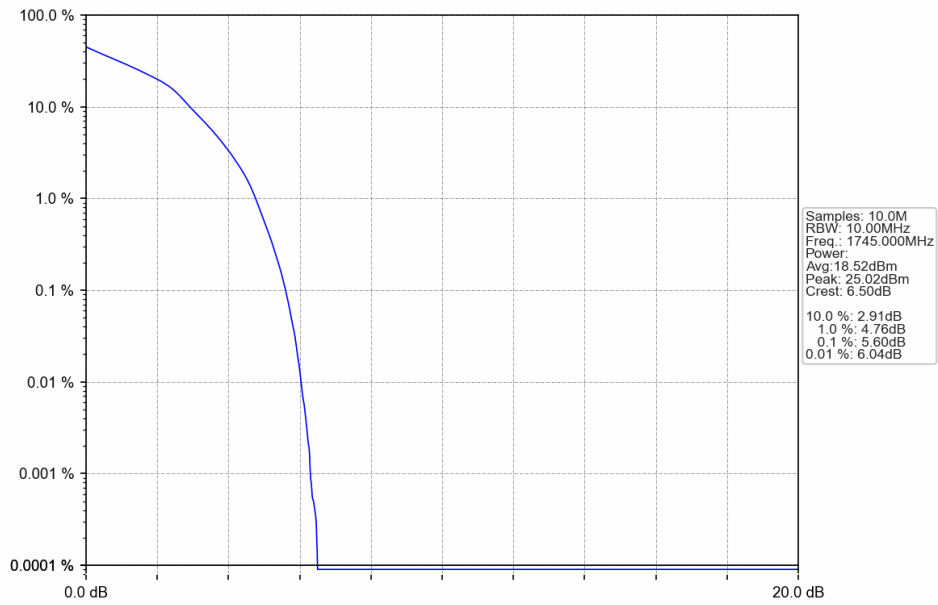
2025-10-11 22:31:35

Band66_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



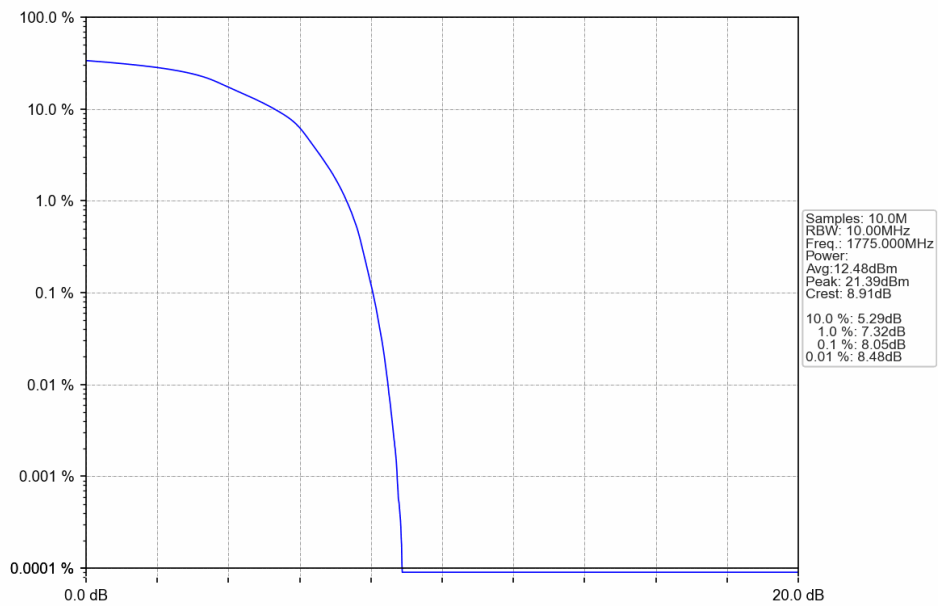
2025-10-11 22:30:39

Band66_10MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV



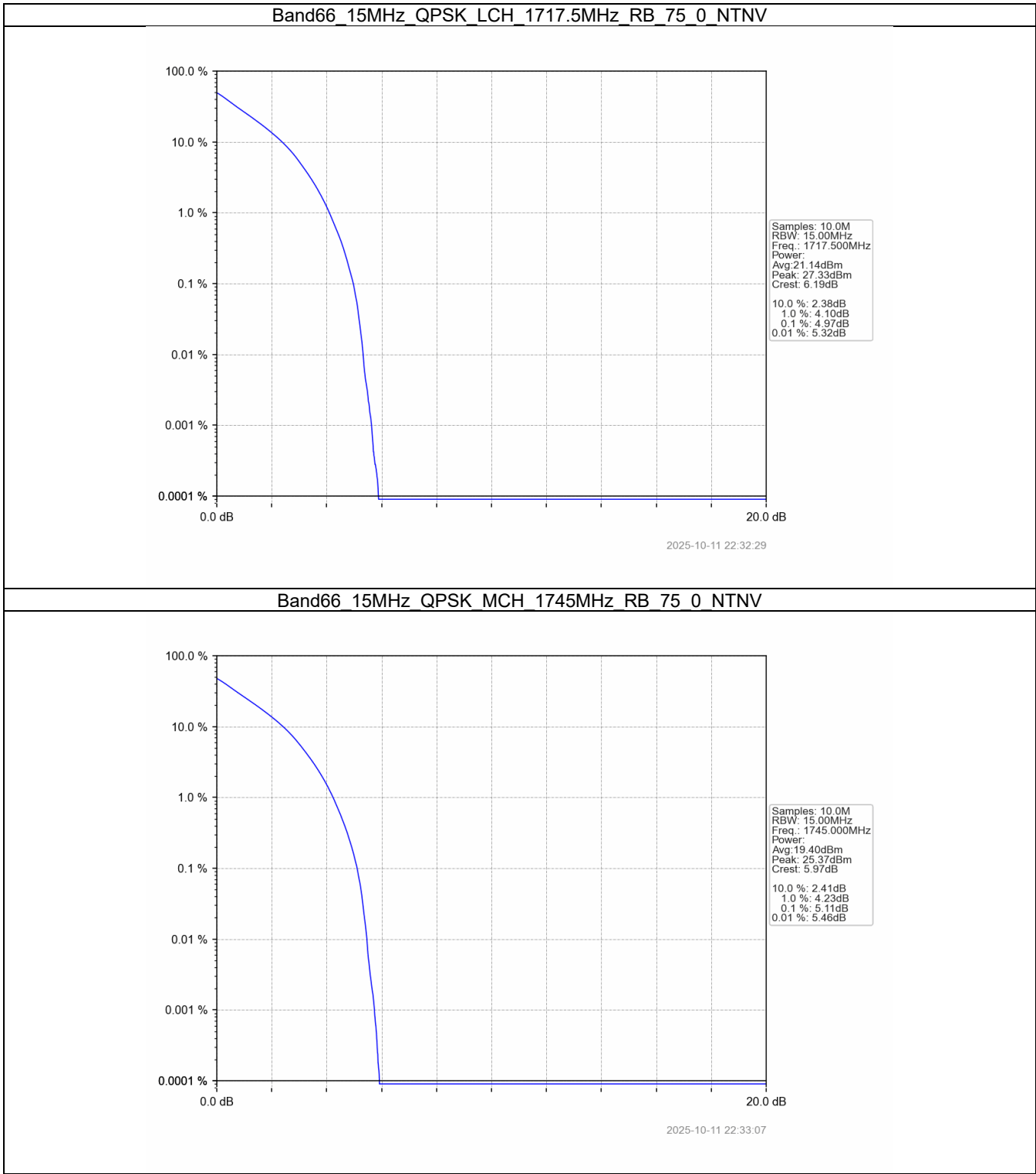
2025-10-11 22:31:14

Band66_10MHz_16QAM_HCH_1775MHz_RB_27_23_NTNV

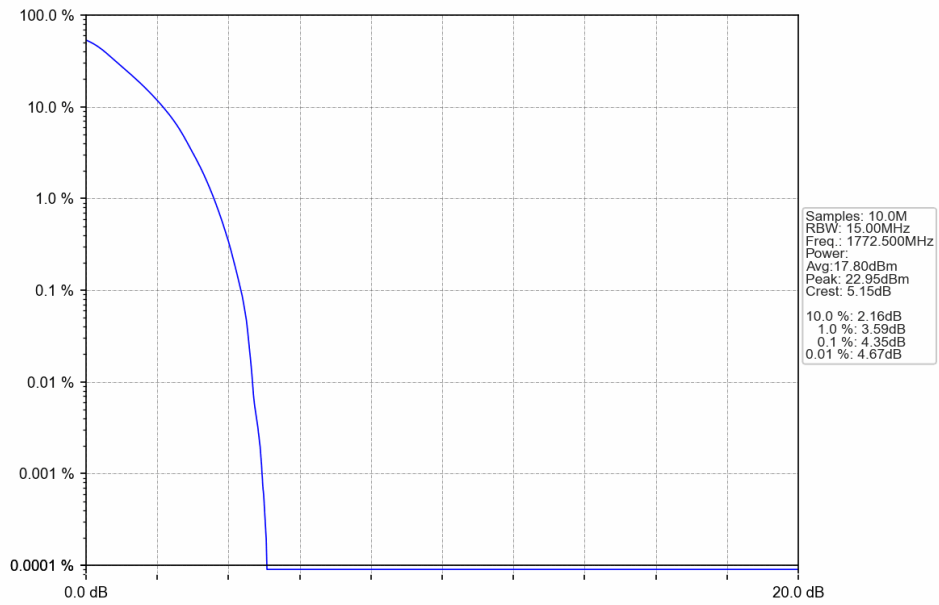


2025-10-11 22:31:50

5.2.5 B66_15MHz

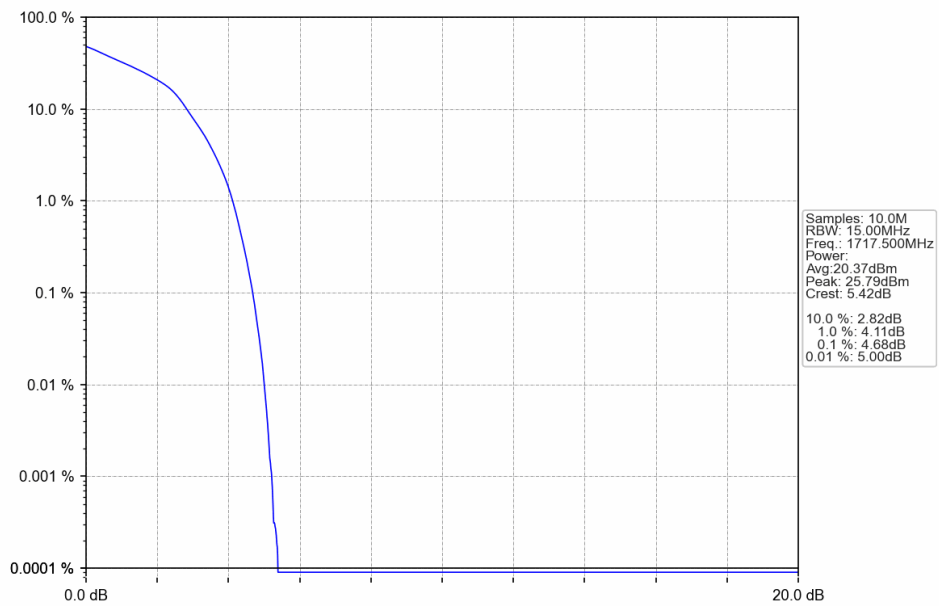


Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



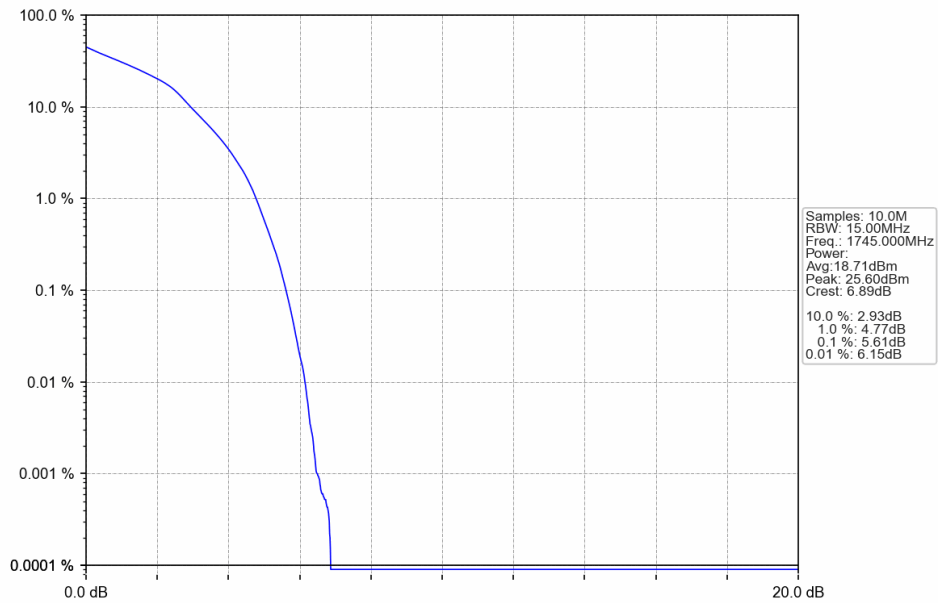
2025-10-11 22:34:15

Band66_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



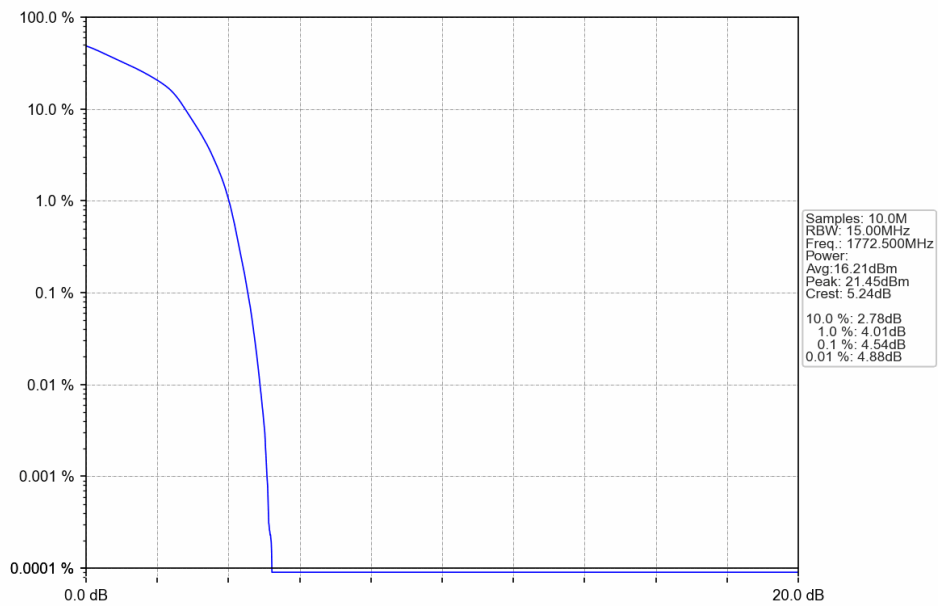
2025-10-11 22:32:41

Band66_15MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV



2025-10-11 22:33:21

Band66_15MHz_16QAM_HCH_1772.5MHz_RB_27_48_NTNV



2025-10-11 22:34:27

5.2.6 B66_20MHz

