

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 B2_1.4MHz_

Band: 2 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	1850.7	1	0	29.21	Pass
			2	29.15	Pass
			5	29.18	Pass
		3	0	29.19	Pass
			2	29.15	Pass
			3	29.18	Pass
		6	0	28.24	Pass
	1880	1	0	29.30	Pass
			2	29.23	Pass
			5	29.27	Pass
		3	0	29.14	Pass
			2	29.12	Pass
			3	29.13	Pass
		6	0	28.03	Pass
	1909.3	1	0	28.62	Pass
			2	28.49	Pass
			5	28.28	Pass
		3	0	28.37	Pass
			2	28.30	Pass
			3	28.16	Pass
		6	0	27.32	Pass
16QAM	1850.7	1	0	28.11	Pass
			2	28.08	Pass
			5	28.12	Pass
		3	0	28.29	Pass
			2	28.32	Pass
			3	28.32	Pass
		6	0	27.25	Pass
	1880	1	0	28.05	Pass
			2	28.05	Pass
			5	28.06	Pass
		3	0	28.04	Pass
			2	27.99	Pass
			3	28.25	Pass
		6	0	27.36	Pass
	1909.3	1	0	27.47	Pass
			2	27.42	Pass
			5	27.29	Pass
		3	0	27.22	Pass
			2	27.18	Pass
			3	27.09	Pass
		6	0	26.31	Pass

1.1.2 B2_3MHz_

Band: 2 / Bandwidth: 3MHz / NTNV				
Modulation	Frequency	RB Allocation	Conducted Power	Verdict

	(MHz)	Size	Offset	(dBm)	
QPSK	1851.5	1	0	28.95	Pass
			7	28.97	Pass
			14	28.94	Pass
		8	0	27.98	Pass
			4	28.01	Pass
			7	27.99	Pass
		15	0	27.99	Pass
	1880	1	0	28.98	Pass
			7	29.01	Pass
			14	29.01	Pass
		8	0	27.87	Pass
			4	27.84	Pass
			7	27.91	Pass
		15	0	27.86	Pass
	1908.5	1	0	28.29	Pass
			7	28.11	Pass
			14	27.69	Pass
		8	0	27.13	Pass
			4	27.07	Pass
			7	27.03	Pass
		15	0	27.06	Pass
16QAM	1851.5	1	0	28.33	Pass
			7	28.34	Pass
			14	28.31	Pass
		8	0	27.14	Pass
			4	27.16	Pass
			7	27.18	Pass
		15	0	27.05	Pass
	1880	1	0	27.87	Pass
			7	27.87	Pass
			14	27.88	Pass
		8	0	27.09	Pass
			4	27.13	Pass
			7	27.15	Pass
		15	0	27.11	Pass
	1908.5	1	0	27.33	Pass
			7	27.23	Pass
			14	26.91	Pass
		8	0	26.31	Pass
			4	26.27	Pass
			7	26.15	Pass
		15	0	26.26	Pass

1.1.3 B2_5MHz_

Band: 2 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	1852.5	1	0	28.97	Pass
			13	28.93	Pass
			24	28.93	Pass
		12	0	27.85	Pass
			6	27.94	Pass
			13	27.87	Pass
		25	0	27.88	Pass
	1880	1	0	29.01	Pass

16QAM			13	29.03	Pass
			24	29.05	Pass
			0	27.74	Pass
		12	6	27.83	Pass
			13	27.81	Pass
			25	27.75	Pass
	1907.5	1	0	28.58	Pass
			13	28.15	Pass
			24	27.77	Pass
		12	0	27.24	Pass
			6	27.11	Pass
			13	26.90	Pass
		25	0	27.08	Pass
			0	27.83	Pass
			13	27.75	Pass
16QAM	1852.5	1	24	27.73	Pass
			0	26.94	Pass
			6	27.05	Pass
		12	13	27.02	Pass
			0	27.02	Pass
			0	27.97	Pass
		1	13	27.91	Pass
			24	28.01	Pass
			0	26.94	Pass
	1880	12	6	27.05	Pass
			13	27.03	Pass
			0	27.01	Pass
		25	0	27.74	Pass
			13	27.34	Pass
			24	27.08	Pass
		1	0	26.58	Pass
			6	26.39	Pass
			13	26.18	Pass
	1907.5	25	0	26.28	Pass
			0	26.28	Pass
			0	26.28	Pass
		1	13	27.34	Pass
			24	27.08	Pass
			0	26.58	Pass

1.1.4 B2_10MHz_

Band: 2 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	1855	1	0	28.92	Pass
			25	28.76	Pass
			49	28.69	Pass
		25	0	27.69	Pass
			13	27.64	Pass
			25	27.46	Pass
		50	0	27.49	Pass
	1880	1	0	28.81	Pass
			25	28.87	Pass
			49	28.92	Pass
		25	0	27.41	Pass
			13	27.63	Pass
			25	27.63	Pass
		50	0	27.55	Pass
	1905	1	0	28.36	Pass
			25	28.43	Pass
			49	27.72	Pass

		25	0	27.14	Pass
			13	27.23	Pass
			25	26.93	Pass
		50	0	27.00	Pass
16QAM	1855	1	0	28.30	Pass
			25	28.11	Pass
			49	28.09	Pass
		12	0	27.81	Pass
			19	27.66	Pass
			38	27.66	Pass
		27	0	26.70	Pass
	1880	1	0	27.68	Pass
			25	27.64	Pass
			49	27.89	Pass
		12	0	27.67	Pass
			19	27.69	Pass
			38	27.86	Pass
		27	0	26.65	Pass
	1905	1	0	27.42	Pass
			25	27.47	Pass
			49	27.02	Pass
		12	0	27.24	Pass
			19	27.28	Pass
			38	26.92	Pass
		27	23	26.21	Pass

1.1.5 B2_15MHz_

Band: 2 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	1857.5	1	0	28.93	Pass
			38	28.76	Pass
			74	28.55	Pass
		36	0	27.72	Pass
			18	27.69	Pass
			39	27.42	Pass
		75	0	27.54	Pass
	1880	1	0	28.84	Pass
			38	28.95	Pass
			74	28.78	Pass
		36	0	27.61	Pass
			18	27.78	Pass
			39	27.85	Pass
		75	0	27.65	Pass
	1902.5	1	0	28.59	Pass
			38	28.64	Pass
			74	28.00	Pass
		36	0	27.20	Pass
			18	27.35	Pass
			39	27.29	Pass
		75	0	27.25	Pass
16QAM	1857.5	1	0	28.06	Pass
			38	27.98	Pass
			74	27.75	Pass
		12	0	27.61	Pass
			31	27.59	Pass

		27	63	27.23	Pass
			0	26.85	Pass
	1880	1	0	27.84	Pass
			38	27.90	Pass
			74	27.86	Pass
		12	0	27.44	Pass
			31	27.76	Pass
			63	27.66	Pass
		27	0	26.75	Pass
	1902.5	1	0	27.64	Pass
			38	27.74	Pass
			74	27.28	Pass
		12	0	27.11	Pass
			31	27.34	Pass
			63	26.84	Pass
		27	48	26.41	Pass

1.1.6 B2_20MHz_

Band: 2 / Bandwidth: 20MHz / NTNv					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	1860	1	0	28.85	Pass
			50	28.61	Pass
			99	28.51	Pass
		50	0	27.60	Pass
			25	27.50	Pass
			50	27.28	Pass
		100	0	27.37	Pass
	1880	1	0	28.68	Pass
			50	28.93	Pass
			99	28.75	Pass
		50	0	27.49	Pass
			25	27.80	Pass
			50	27.66	Pass
		100	0	27.65	Pass
	1900	1	0	28.77	Pass
			50	28.48	Pass
			99	28.03	Pass
		50	0	27.30	Pass
			25	27.32	Pass
			50	27.22	Pass
		100	0	27.20	Pass
16QAM	1860	1	0	27.95	Pass
			50	27.66	Pass
			99	27.68	Pass
		12	0	27.62	Pass
			44	27.47	Pass
			88	27.26	Pass
		27	0	26.71	Pass
	1880	1	0	28.09	Pass
			50	28.24	Pass
			99	28.19	Pass
		12	0	27.40	Pass
			44	27.79	Pass
			88	27.48	Pass
		27	0	26.59	Pass

	1900	1	0	27.74	Pass
			50	27.51	Pass
			99	27.26	Pass
		12	0	27.37	Pass
			44	27.28	Pass
			88	26.90	Pass
		27	73	26.28	Pass

2. Frequency Stability

2.1 Test Result

2.1.1 B2_1.4MHz

Band: 2 / 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	1850.7	6	0	20	3.27	25.234	0.0136	-2.5 to 2.5	Pass
					3.85	23.346	0.0126	-2.5 to 2.5	Pass
					4.43	20.571	0.0111	-2.5 to 2.5	Pass
				-30	3.85	21.043	0.0114	-2.5 to 2.5	Pass
				-20	3.85	20.871	0.0113	-2.5 to 2.5	Pass
				-10	3.85	21.629	0.0117	-2.5 to 2.5	Pass
				0	3.85	21.944	0.0119	-2.5 to 2.5	Pass
				10	3.85	20.628	0.0111	-2.5 to 2.5	Pass
				30	3.85	21.644	0.0117	-2.5 to 2.5	Pass
				40	3.85	19.898	0.0108	-2.5 to 2.5	Pass
				50	3.85	19.398	0.0105	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	20.499	0.0109	-2.5 to 2.5	Pass
					3.85	17.295	0.0092	-2.5 to 2.5	Pass
					4.43	18.053	0.0096	-2.5 to 2.5	Pass
				-30	3.85	21.129	0.0112	-2.5 to 2.5	Pass
				-20	3.85	17.824	0.0095	-2.5 to 2.5	Pass
				-10	3.85	19.569	0.0104	-2.5 to 2.5	Pass
				0	3.85	20.413	0.0109	-2.5 to 2.5	Pass
				10	3.85	13.976	0.0074	-2.5 to 2.5	Pass
				30	3.85	21.372	0.0114	-2.5 to 2.5	Pass
				40	3.85	14.291	0.0076	-2.5 to 2.5	Pass
				50	3.85	10.614	0.0056	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	19.341	0.0101	-2.5 to 2.5	Pass
					3.85	19.941	0.0104	-2.5 to 2.5	Pass
					4.43	17.724	0.0093	-2.5 to 2.5	Pass
				-30	3.85	16.236	0.0085	-2.5 to 2.5	Pass
				-20	3.85	15.965	0.0084	-2.5 to 2.5	Pass
				-10	3.85	23.761	0.0124	-2.5 to 2.5	Pass
				0	3.85	18.783	0.0098	-2.5 to 2.5	Pass
				10	3.85	13.418	0.0070	-2.5 to 2.5	Pass
				30	3.85	15.221	0.0080	-2.5 to 2.5	Pass
				40	3.85	15.564	0.0082	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	15.507	0.0084	-2.5 to 2.5	Pass
					3.85	20.499	0.0111	-2.5 to 2.5	Pass
					4.43	18.382	0.0099	-2.5 to 2.5	Pass
				-30	3.85	23.031	0.0124	-2.5 to 2.5	Pass
				-20	3.85	21.200	0.0115	-2.5 to 2.5	Pass
				-10	3.85	19.026	0.0103	-2.5 to 2.5	Pass
				0	3.85	14.563	0.0079	-2.5 to 2.5	Pass
				10	3.85	9.370	0.0051	-2.5 to 2.5	Pass
				30	3.85	16.136	0.0087	-2.5 to 2.5	Pass
				40	3.85	20.399	0.0110	-2.5 to 2.5	Pass
				50	3.85	18.539	0.0100	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	-3.347	-0.0018	-2.5 to 2.5	Pass
					3.85	-25.663	-0.0137	-2.5 to 2.5	Pass
					4.43	-5.035	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-22.588	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-22.416	-0.0119	-2.5 to 2.5	Pass

				-10	3.85	20.156	0.0107	-2.5 to 2.5	Pass
				0	3.85	20.556	0.0109	-2.5 to 2.5	Pass
				10	3.85	0.629	0.0003	-2.5 to 2.5	Pass
				30	3.85	16.823	0.0089	-2.5 to 2.5	Pass
				40	3.85	13.590	0.0072	-2.5 to 2.5	Pass
				50	3.85	-6.781	-0.0036	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	3.033	0.0016	-2.5 to 2.5	Pass
					3.85	-18.940	-0.0099	-2.5 to 2.5	Pass
					4.43	-23.632	-0.0124	-2.5 to 2.5	Pass
				-30	3.85	-16.537	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	10.343	0.0054	-2.5 to 2.5	Pass
				-10	3.85	-20.700	-0.0108	-2.5 to 2.5	Pass
				0	3.85	19.183	0.0100	-2.5 to 2.5	Pass
				10	3.85	15.535	0.0081	-2.5 to 2.5	Pass
				30	3.85	-4.663	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-15.063	-0.0079	-2.5 to 2.5	Pass
				50	3.85	17.610	0.0092	-2.5 to 2.5	Pass

2.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.27	23.360	0.0126	-2.5 to 2.5	Pass
					3.85	23.232	0.0125	-2.5 to 2.5	Pass
					4.43	22.058	0.0119	-2.5 to 2.5	Pass
				-30	3.85	21.544	0.0116	-2.5 to 2.5	Pass
				-20	3.85	21.601	0.0117	-2.5 to 2.5	Pass
				-10	3.85	19.412	0.0105	-2.5 to 2.5	Pass
				0	3.85	19.670	0.0106	-2.5 to 2.5	Pass
				10	3.85	21.858	0.0118	-2.5 to 2.5	Pass
				30	3.85	21.601	0.0117	-2.5 to 2.5	Pass
				40	3.85	24.605	0.0133	-2.5 to 2.5	Pass
	1880	15	0	50	3.85	17.309	0.0093	-2.5 to 2.5	Pass
				20	3.27	20.485	0.0109	-2.5 to 2.5	Pass
					3.85	22.688	0.0121	-2.5 to 2.5	Pass
					4.43	19.040	0.0101	-2.5 to 2.5	Pass
				-30	3.85	21.057	0.0112	-2.5 to 2.5	Pass
				-20	3.85	19.827	0.0105	-2.5 to 2.5	Pass
				-10	3.85	20.585	0.0109	-2.5 to 2.5	Pass
				0	3.85	22.287	0.0119	-2.5 to 2.5	Pass
				10	3.85	19.712	0.0105	-2.5 to 2.5	Pass
				30	3.85	22.101	0.0118	-2.5 to 2.5	Pass
	1908.5	15	0	40	3.85	18.697	0.0099	-2.5 to 2.5	Pass
				50	3.85	18.396	0.0098	-2.5 to 2.5	Pass
				20	3.27	18.682	0.0098	-2.5 to 2.5	Pass
					3.85	20.671	0.0108	-2.5 to 2.5	Pass
					4.43	20.370	0.0107	-2.5 to 2.5	Pass
				-30	3.85	20.113	0.0105	-2.5 to 2.5	Pass
				-20	3.85	18.511	0.0097	-2.5 to 2.5	Pass
				-10	3.85	18.039	0.0095	-2.5 to 2.5	Pass
				0	3.85	18.468	0.0097	-2.5 to 2.5	Pass
				10	3.85	17.824	0.0093	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.85	19.226	0.0101	-2.5 to 2.5	Pass
					3.85	17.767	0.0093	-2.5 to 2.5	Pass
				50	3.85	17.438	0.0091	-2.5 to 2.5	Pass

					3.85	-11.358	-0.0061	-2.5 to 2.5	Pass
					4.43	-16.952	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-25.463	-0.0138	-2.5 to 2.5	Pass
				-20	3.85	-15.521	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-2.618	-0.0014	-2.5 to 2.5	Pass
				0	3.85	17.939	0.0097	-2.5 to 2.5	Pass
				10	3.85	24.519	0.0132	-2.5 to 2.5	Pass
				30	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-17.252	-0.0093	-2.5 to 2.5	Pass
				50	3.85	21.601	0.0117	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-2.117	-0.0011	-2.5 to 2.5	Pass
					3.85	-17.338	-0.0092	-2.5 to 2.5	Pass
					4.43	-0.701	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-7.911	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-6.294	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-20.070	-0.0107	-2.5 to 2.5	Pass
				0	3.85	9.799	0.0052	-2.5 to 2.5	Pass
				10	3.85	22.402	0.0119	-2.5 to 2.5	Pass
				30	3.85	-17.080	-0.0091	-2.5 to 2.5	Pass
				40	3.85	14.977	0.0080	-2.5 to 2.5	Pass
				50	3.85	1.273	0.0007	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	9.813	0.0051	-2.5 to 2.5	Pass
					3.85	-23.961	-0.0126	-2.5 to 2.5	Pass
					4.43	-15.564	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-6.895	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-3.233	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-8.326	-0.0044	-2.5 to 2.5	Pass
				0	3.85	14.963	0.0078	-2.5 to 2.5	Pass
				10	3.85	21.515	0.0113	-2.5 to 2.5	Pass
				30	3.85	23.518	0.0123	-2.5 to 2.5	Pass
				40	3.85	1.316	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.415	0.0002	-2.5 to 2.5	Pass

2.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.27	21.715	0.0117	-2.5 to 2.5	Pass
					3.85	20.299	0.0110	-2.5 to 2.5	Pass
					4.43	20.957	0.0113	-2.5 to 2.5	Pass
				-30	3.85	19.426	0.0105	-2.5 to 2.5	Pass
				-20	3.85	23.003	0.0124	-2.5 to 2.5	Pass
				-10	3.85	18.640	0.0101	-2.5 to 2.5	Pass
				0	3.85	20.485	0.0111	-2.5 to 2.5	Pass
				10	3.85	-7.181	-0.0039	-2.5 to 2.5	Pass
				30	3.85	3.533	0.0019	-2.5 to 2.5	Pass
				40	3.85	18.082	0.0098	-2.5 to 2.5	Pass
				50	3.85	21.086	0.0114	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	20.013	0.0106	-2.5 to 2.5	Pass
					3.85	21.286	0.0113	-2.5 to 2.5	Pass
					4.43	20.213	0.0108	-2.5 to 2.5	Pass
				-30	3.85	19.255	0.0102	-2.5 to 2.5	Pass
				-20	3.85	18.282	0.0097	-2.5 to 2.5	Pass
				-10	3.85	18.697	0.0099	-2.5 to 2.5	Pass
				0	3.85	21.043	0.0112	-2.5 to 2.5	Pass
				10	3.85	18.282	0.0097	-2.5 to 2.5	Pass

				30	3.85	21.172	0.0113	-2.5 to 2.5	Pass
				40	3.85	21.157	0.0113	-2.5 to 2.5	Pass
				50	3.85	18.125	0.0096	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	24.090	0.0126	-2.5 to 2.5	Pass
					3.85	22.988	0.0121	-2.5 to 2.5	Pass
					4.43	20.342	0.0107	-2.5 to 2.5	Pass
				-30	3.85	19.455	0.0102	-2.5 to 2.5	Pass
				-20	3.85	22.774	0.0119	-2.5 to 2.5	Pass
				-10	3.85	17.481	0.0092	-2.5 to 2.5	Pass
				0	3.85	17.838	0.0094	-2.5 to 2.5	Pass
				10	3.85	21.973	0.0115	-2.5 to 2.5	Pass
				30	3.85	20.556	0.0108	-2.5 to 2.5	Pass
				40	3.85	19.341	0.0101	-2.5 to 2.5	Pass
				50	3.85	19.097	0.0100	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	-9.985	-0.0054	-2.5 to 2.5	Pass
					3.85	-19.512	-0.0105	-2.5 to 2.5	Pass
					4.43	-18.840	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-22.416	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-20.428	-0.0110	-2.5 to 2.5	Pass
				-10	3.85	-22.960	-0.0124	-2.5 to 2.5	Pass
				0	3.85	-25.363	-0.0137	-2.5 to 2.5	Pass
				10	3.85	-19.612	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-19.584	-0.0106	-2.5 to 2.5	Pass
				40	3.85	-13.533	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-20.971	-0.0113	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	-8.526	-0.0045	-2.5 to 2.5	Pass
					3.85	-20.900	-0.0111	-2.5 to 2.5	Pass
					4.43	-17.581	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-20.499	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-18.911	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-15.349	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-20.943	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-3.905	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-14.720	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-17.252	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-20.928	-0.0111	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	-14.105	-0.0074	-2.5 to 2.5	Pass
					3.85	-20.385	-0.0107	-2.5 to 2.5	Pass
					4.43	-20.971	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-14.906	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-13.704	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-5.207	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-5.937	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-7.510	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-21.129	-0.0111	-2.5 to 2.5	Pass
				40	3.85	-19.927	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-14.391	-0.0075	-2.5 to 2.5	Pass

2.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.27	18.582	0.0100	-2.5 to 2.5	Pass
					3.85	19.498	0.0105	-2.5 to 2.5	Pass
					4.43	20.385	0.0110	-2.5 to 2.5	Pass
				-30	3.85	17.424	0.0094	-2.5 to 2.5	Pass

				-20	3.85	-17.395	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-16.794	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-10.514	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-17.509	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-21.372	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-22.259	-0.0120	-2.5 to 2.5	Pass
				50	3.85	-10.772	-0.0058	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	20.142	0.0107	-2.5 to 2.5	Pass
					3.85	19.641	0.0104	-2.5 to 2.5	Pass
					4.43	19.670	0.0105	-2.5 to 2.5	Pass
				-30	3.85	20.170	0.0107	-2.5 to 2.5	Pass
				-20	3.85	17.910	0.0095	-2.5 to 2.5	Pass
				-10	3.85	19.312	0.0103	-2.5 to 2.5	Pass
				0	3.85	16.737	0.0089	-2.5 to 2.5	Pass
				10	3.85	17.366	0.0092	-2.5 to 2.5	Pass
				30	3.85	17.824	0.0095	-2.5 to 2.5	Pass
				40	3.85	21.029	0.0112	-2.5 to 2.5	Pass
				50	3.85	18.196	0.0097	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	17.767	0.0093	-2.5 to 2.5	Pass
					3.85	18.425	0.0097	-2.5 to 2.5	Pass
					4.43	20.971	0.0110	-2.5 to 2.5	Pass
				-30	3.85	17.967	0.0094	-2.5 to 2.5	Pass
				-20	3.85	20.242	0.0106	-2.5 to 2.5	Pass
				-10	3.85	20.299	0.0107	-2.5 to 2.5	Pass
				0	3.85	18.311	0.0096	-2.5 to 2.5	Pass
				10	3.85	17.066	0.0090	-2.5 to 2.5	Pass
				30	3.85	20.227	0.0106	-2.5 to 2.5	Pass
				40	3.85	17.481	0.0092	-2.5 to 2.5	Pass
				50	3.85	19.212	0.0101	-2.5 to 2.5	Pass
16QAM	1855	27	0	20	3.27	-21.601	-0.0116	-2.5 to 2.5	Pass
					3.85	-20.385	-0.0110	-2.5 to 2.5	Pass
					4.43	-19.355	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-20.027	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-18.926	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-20.900	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-23.375	-0.0126	-2.5 to 2.5	Pass
				10	3.85	-24.018	-0.0129	-2.5 to 2.5	Pass
				30	3.85	-18.268	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-11.530	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-18.411	-0.0099	-2.5 to 2.5	Pass
	1880	27	0	20	3.27	19.341	0.0103	-2.5 to 2.5	Pass
					3.85	-18.997	-0.0101	-2.5 to 2.5	Pass
					4.43	-18.911	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-2.346	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	2.618	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				0	3.85	-9.942	-0.0053	-2.5 to 2.5	Pass
				10	3.85	5.522	0.0029	-2.5 to 2.5	Pass
				30	3.85	4.191	0.0022	-2.5 to 2.5	Pass
				40	3.85	19.197	0.0102	-2.5 to 2.5	Pass
				50	3.85	2.661	0.0014	-2.5 to 2.5	Pass
	1905	27	23	20	3.27	-10.958	-0.0058	-2.5 to 2.5	Pass
					3.85	-19.455	-0.0102	-2.5 to 2.5	Pass
					4.43	-19.326	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-19.813	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	-20.714	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-20.971	-0.0110	-2.5 to 2.5	Pass
				0	3.85	-12.846	-0.0067	-2.5 to 2.5	Pass
				10	3.85	18.282	0.0096	-2.5 to 2.5	Pass

				30	3.85	18.597	0.0098	-2.5 to 2.5	Pass
				40	3.85	-18.482	-0.0097	-2.5 to 2.5	Pass
				50	3.85	20.571	0.0108	-2.5 to 2.5	Pass

2.1.5 B2_15MHz

Band: 2 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.27	23.103	0.0124	-2.5 to 2.5	Pass
					3.85	20.285	0.0109	-2.5 to 2.5	Pass
					4.43	20.485	0.0110	-2.5 to 2.5	Pass
				-30	3.85	19.097	0.0103	-2.5 to 2.5	Pass
				-20	3.85	21.687	0.0117	-2.5 to 2.5	Pass
				-10	3.85	16.809	0.0090	-2.5 to 2.5	Pass
				0	3.85	17.653	0.0095	-2.5 to 2.5	Pass
				10	3.85	21.343	0.0115	-2.5 to 2.5	Pass
				30	3.85	20.013	0.0108	-2.5 to 2.5	Pass
				40	3.85	19.770	0.0106	-2.5 to 2.5	Pass
				50	3.85	20.242	0.0109	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	24.133	0.0128	-2.5 to 2.5	Pass
					3.85	25.406	0.0135	-2.5 to 2.5	Pass
					4.43	23.117	0.0123	-2.5 to 2.5	Pass
				-30	3.85	25.864	0.0138	-2.5 to 2.5	Pass
				-20	3.85	20.542	0.0109	-2.5 to 2.5	Pass
				-10	3.85	17.624	0.0094	-2.5 to 2.5	Pass
				0	3.85	17.424	0.0093	-2.5 to 2.5	Pass
				10	3.85	19.741	0.0105	-2.5 to 2.5	Pass
				30	3.85	20.084	0.0107	-2.5 to 2.5	Pass
				40	3.85	17.667	0.0094	-2.5 to 2.5	Pass
				50	3.85	19.441	0.0103	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	24.347	0.0128	-2.5 to 2.5	Pass
					3.85	22.359	0.0118	-2.5 to 2.5	Pass
					4.43	21.672	0.0114	-2.5 to 2.5	Pass
				-30	3.85	22.073	0.0116	-2.5 to 2.5	Pass
				-20	3.85	19.612	0.0103	-2.5 to 2.5	Pass
				-10	3.85	21.029	0.0111	-2.5 to 2.5	Pass
				0	3.85	20.099	0.0106	-2.5 to 2.5	Pass
				10	3.85	21.214	0.0112	-2.5 to 2.5	Pass
				30	3.85	21.701	0.0114	-2.5 to 2.5	Pass
				40	3.85	18.597	0.0098	-2.5 to 2.5	Pass
16QAM	1857.5	27	0	20	3.27	-10.629	-0.0057	-2.5 to 2.5	Pass
					3.85	-20.242	-0.0109	-2.5 to 2.5	Pass
					4.43	-0.229	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	11.544	0.0062	-2.5 to 2.5	Pass
				-20	3.85	13.905	0.0075	-2.5 to 2.5	Pass
				-10	3.85	18.682	0.0101	-2.5 to 2.5	Pass
				0	3.85	21.143	0.0114	-2.5 to 2.5	Pass
				10	3.85	20.814	0.0112	-2.5 to 2.5	Pass
				30	3.85	20.485	0.0110	-2.5 to 2.5	Pass
				40	3.85	19.856	0.0107	-2.5 to 2.5	Pass
				50	3.85	17.495	0.0094	-2.5 to 2.5	Pass
	1880	27	0	20	3.27	14.563	0.0077	-2.5 to 2.5	Pass
					3.85	-13.804	-0.0073	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-9.913	-0.0053	-2.5 to 2.5	Pass

				-20	3.85	-11.802	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	10.672	0.0057	-2.5 to 2.5	Pass
				0	3.85	19.155	0.0102	-2.5 to 2.5	Pass
				10	3.85	22.058	0.0117	-2.5 to 2.5	Pass
				30	3.85	20.800	0.0111	-2.5 to 2.5	Pass
				40	3.85	14.877	0.0079	-2.5 to 2.5	Pass
				50	3.85	19.326	0.0103	-2.5 to 2.5	Pass
	1902.5	27	48	20	3.27	7.153	0.0038	-2.5 to 2.5	Pass
					3.85	-17.052	-0.0090	-2.5 to 2.5	Pass
					4.43	-15.392	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	19.226	0.0101	-2.5 to 2.5	Pass
				-20	3.85	19.026	0.0100	-2.5 to 2.5	Pass
				-10	3.85	4.549	0.0024	-2.5 to 2.5	Pass
				0	3.85	20.456	0.0108	-2.5 to 2.5	Pass
				10	3.85	27.208	0.0143	-2.5 to 2.5	Pass
				30	3.85	19.083	0.0100	-2.5 to 2.5	Pass
				40	3.85	18.353	0.0096	-2.5 to 2.5	Pass
				50	3.85	18.024	0.0095	-2.5 to 2.5	Pass

2.1.6 B2_20MHz

Band: 2 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	21.458	0.0115	-2.5 to 2.5	Pass
					3.85	20.843	0.0112	-2.5 to 2.5	Pass
					4.43	21.243	0.0114	-2.5 to 2.5	Pass
				-30	3.85	19.383	0.0104	-2.5 to 2.5	Pass
				-20	3.85	19.255	0.0104	-2.5 to 2.5	Pass
				-10	3.85	15.163	0.0082	-2.5 to 2.5	Pass
				0	3.85	20.685	0.0111	-2.5 to 2.5	Pass
				10	3.85	19.770	0.0106	-2.5 to 2.5	Pass
				30	3.85	18.139	0.0098	-2.5 to 2.5	Pass
				40	3.85	17.524	0.0094	-2.5 to 2.5	Pass
				50	3.85	18.125	0.0097	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	25.907	0.0138	-2.5 to 2.5	Pass
					3.85	23.389	0.0124	-2.5 to 2.5	Pass
					4.43	19.069	0.0101	-2.5 to 2.5	Pass
				-30	3.85	21.729	0.0116	-2.5 to 2.5	Pass
				-20	3.85	20.742	0.0110	-2.5 to 2.5	Pass
				-10	3.85	17.538	0.0093	-2.5 to 2.5	Pass
				0	3.85	19.155	0.0102	-2.5 to 2.5	Pass
				10	3.85	19.183	0.0102	-2.5 to 2.5	Pass
				30	3.85	21.300	0.0113	-2.5 to 2.5	Pass
				40	3.85	21.501	0.0114	-2.5 to 2.5	Pass
				50	3.85	21.529	0.0115	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	26.679	0.0140	-2.5 to 2.5	Pass
					3.85	22.817	0.0120	-2.5 to 2.5	Pass
					4.43	25.191	0.0133	-2.5 to 2.5	Pass
				-30	3.85	21.071	0.0111	-2.5 to 2.5	Pass
				-20	3.85	20.413	0.0107	-2.5 to 2.5	Pass
				-10	3.85	22.159	0.0117	-2.5 to 2.5	Pass
				0	3.85	14.291	0.0075	-2.5 to 2.5	Pass
				10	3.85	21.286	0.0112	-2.5 to 2.5	Pass
				30	3.85	18.210	0.0096	-2.5 to 2.5	Pass
				40	3.85	18.911	0.0100	-2.5 to 2.5	Pass
				50	3.85	17.438	0.0092	-2.5 to 2.5	Pass

16QAM	1860	27	0	20	3.27	-8.798	-0.0047	-2.5 to 2.5	Pass
					3.85	-20.657	-0.0111	-2.5 to 2.5	Pass
					4.43	-19.083	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-19.813	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-19.698	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-15.364	-0.0083	-2.5 to 2.5	Pass
				0	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				10	3.85	-9.985	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-3.562	-0.0019	-2.5 to 2.5	Pass
				40	3.85	8.211	0.0044	-2.5 to 2.5	Pass
				50	3.85	12.345	0.0066	-2.5 to 2.5	Pass
	1880	27	0	20	3.27	15.035	0.0080	-2.5 to 2.5	Pass
					3.85	-16.150	-0.0086	-2.5 to 2.5	Pass
					4.43	4.048	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-20.800	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	4.249	0.0023	-2.5 to 2.5	Pass
				-10	3.85	16.122	0.0086	-2.5 to 2.5	Pass
				0	3.85	14.920	0.0079	-2.5 to 2.5	Pass
				10	3.85	17.095	0.0091	-2.5 to 2.5	Pass
				30	3.85	14.248	0.0076	-2.5 to 2.5	Pass
				40	3.85	18.854	0.0100	-2.5 to 2.5	Pass
				50	3.85	19.712	0.0105	-2.5 to 2.5	Pass
	1900	27	73	20	3.27	10.014	0.0053	-2.5 to 2.5	Pass
					3.85	-14.791	-0.0078	-2.5 to 2.5	Pass
					4.43	-14.348	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	4.392	0.0023	-2.5 to 2.5	Pass
				-20	3.85	17.309	0.0091	-2.5 to 2.5	Pass
				-10	3.85	21.715	0.0114	-2.5 to 2.5	Pass
				0	3.85	16.351	0.0086	-2.5 to 2.5	Pass
				10	3.85	14.434	0.0076	-2.5 to 2.5	Pass
				30	3.85	17.552	0.0092	-2.5 to 2.5	Pass
				40	3.85	19.012	0.0100	-2.5 to 2.5	Pass
				50	3.85	21.329	0.0112	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	6	0	Refer To Test Graph		Pass
16QAM	1880	6	0	Refer To Test Graph		Pass

3.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	15	0	Refer To Test Graph		Pass
16QAM	1880	15	0	Refer To Test Graph		Pass

3.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	25	0	Refer To Test Graph		Pass
16QAM	1880	25	0	Refer To Test Graph		Pass

3.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	50	0	Refer To Test Graph		Pass
16QAM	1880	27	0	Refer To Test Graph		Pass

3.1.5 B2_15MHz

Band: 2 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	75	0	Refer To Test Graph		Pass
16QAM	1880	27	0	Refer To Test Graph		Pass

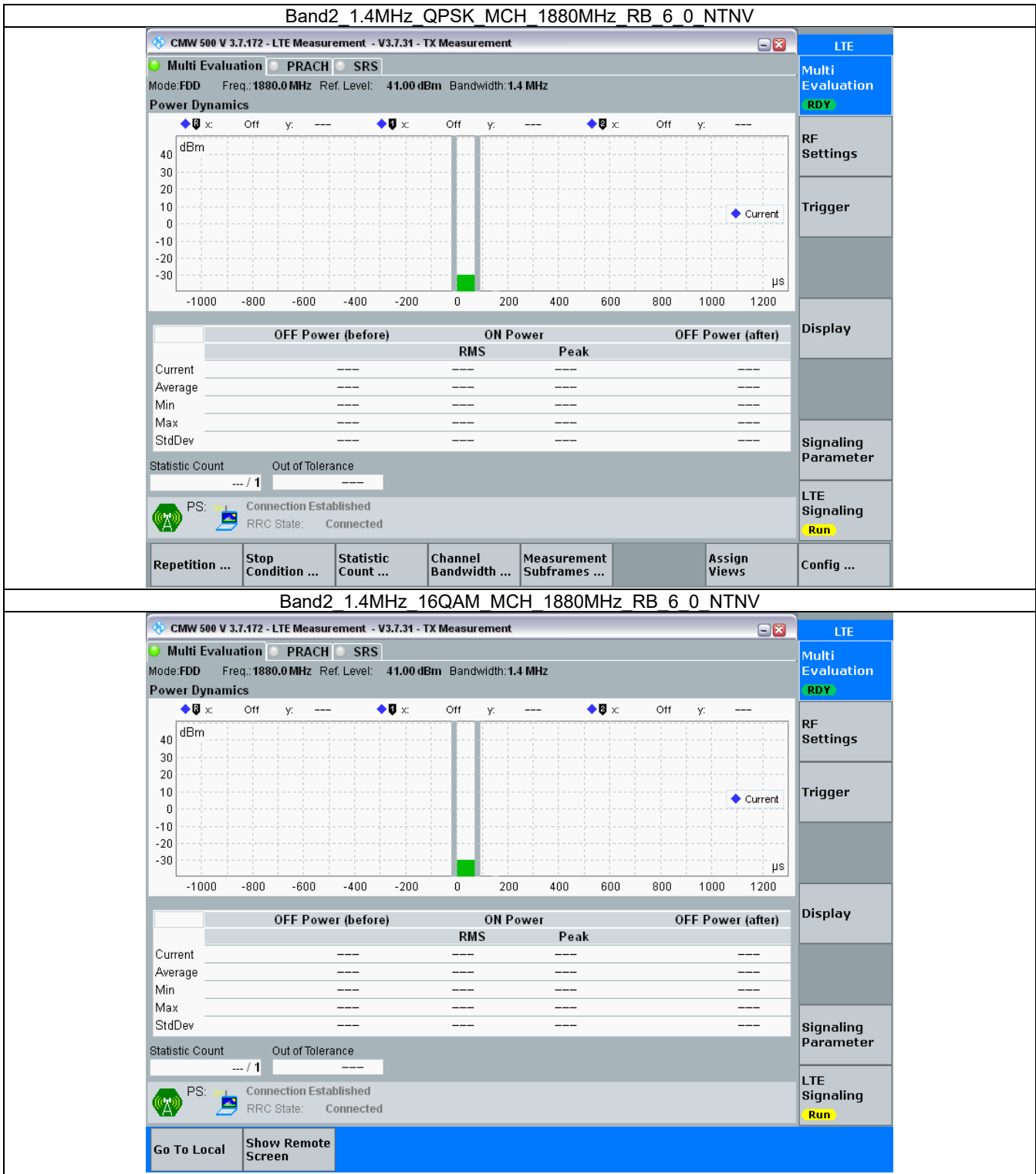
3.1.6 B2_20MHz

Band: 2 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	

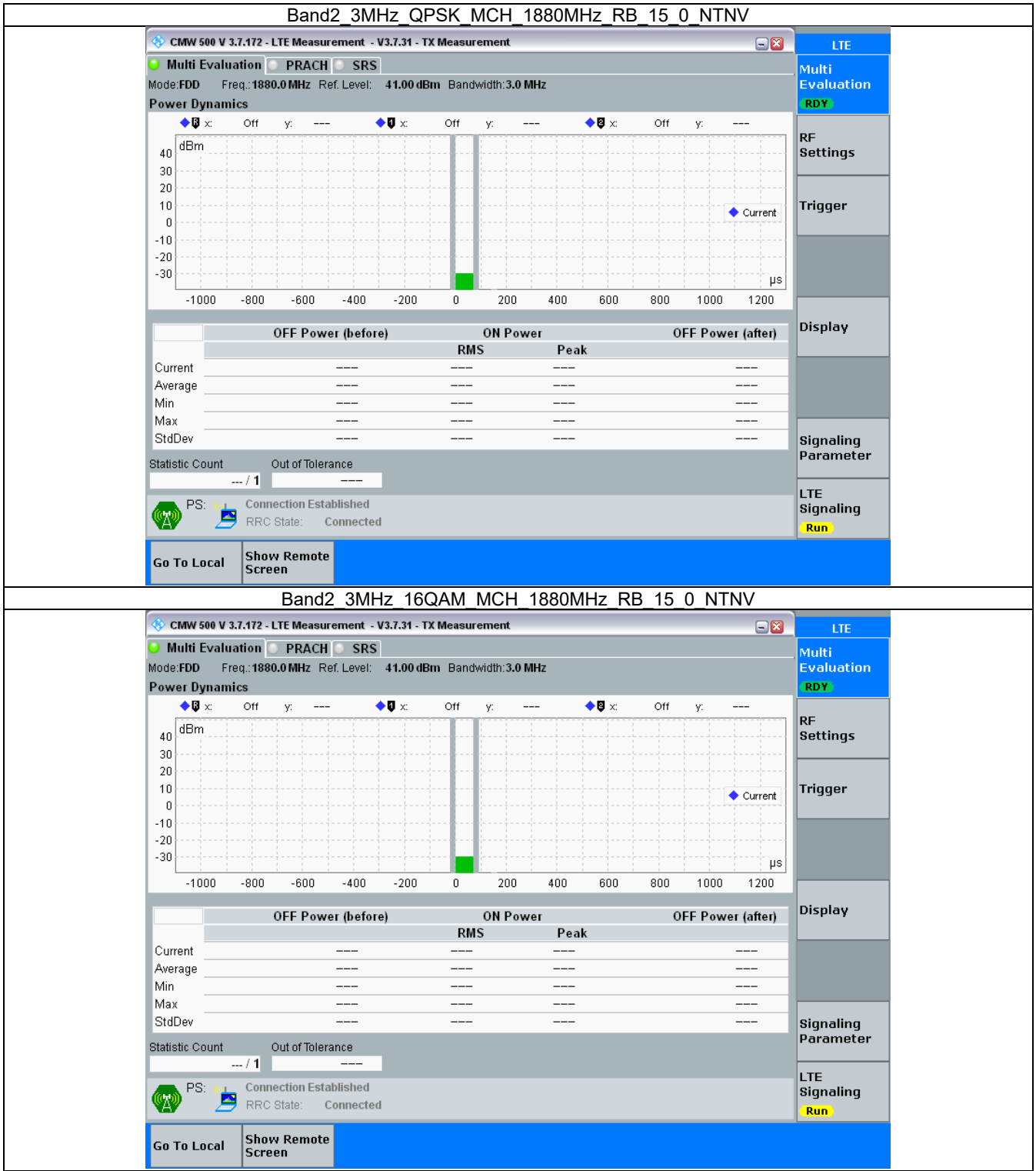
QPSK	1880	100	0	Refer To Test Graph	Pass
16QAM	1880	27	0	Refer To Test Graph	Pass

3.2 Test Graph

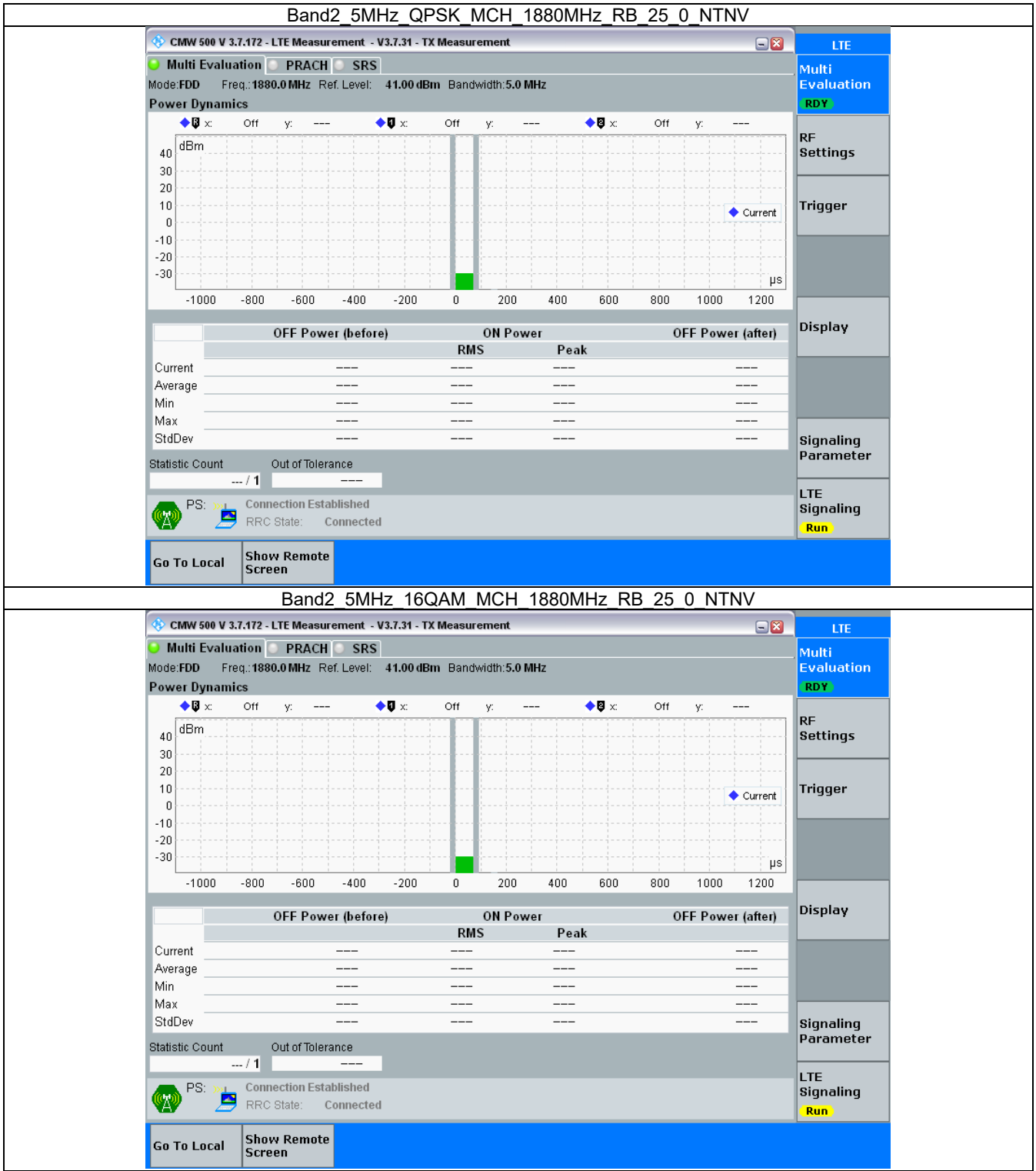
3.2.1 B2_1.4MHz



3.2.2 B2_3MHz



3.2.3 B2_5MHz



Band2 10MHz QPSK MCH 1880MHz RB 50 0 NTNV

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

Multi Evaluation PRACH SRS

Mode: FDD Freq.: 1880.0 MHz Ref. Level: 41.00 dBm Bandwidth: 10.0 MHz

Power Dynamics

dBm

Current

	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

Band2 10MHz 16QAM MCH 1880MHz RB 27 0 NTNV

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

Multi Evaluation PRACH SRS

Mode: FDD Freq.: 1880.0 MHz Ref. Level: 41.00 dBm Bandwidth: 10.0 MHz

Power Dynamics

dBm

Current

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

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

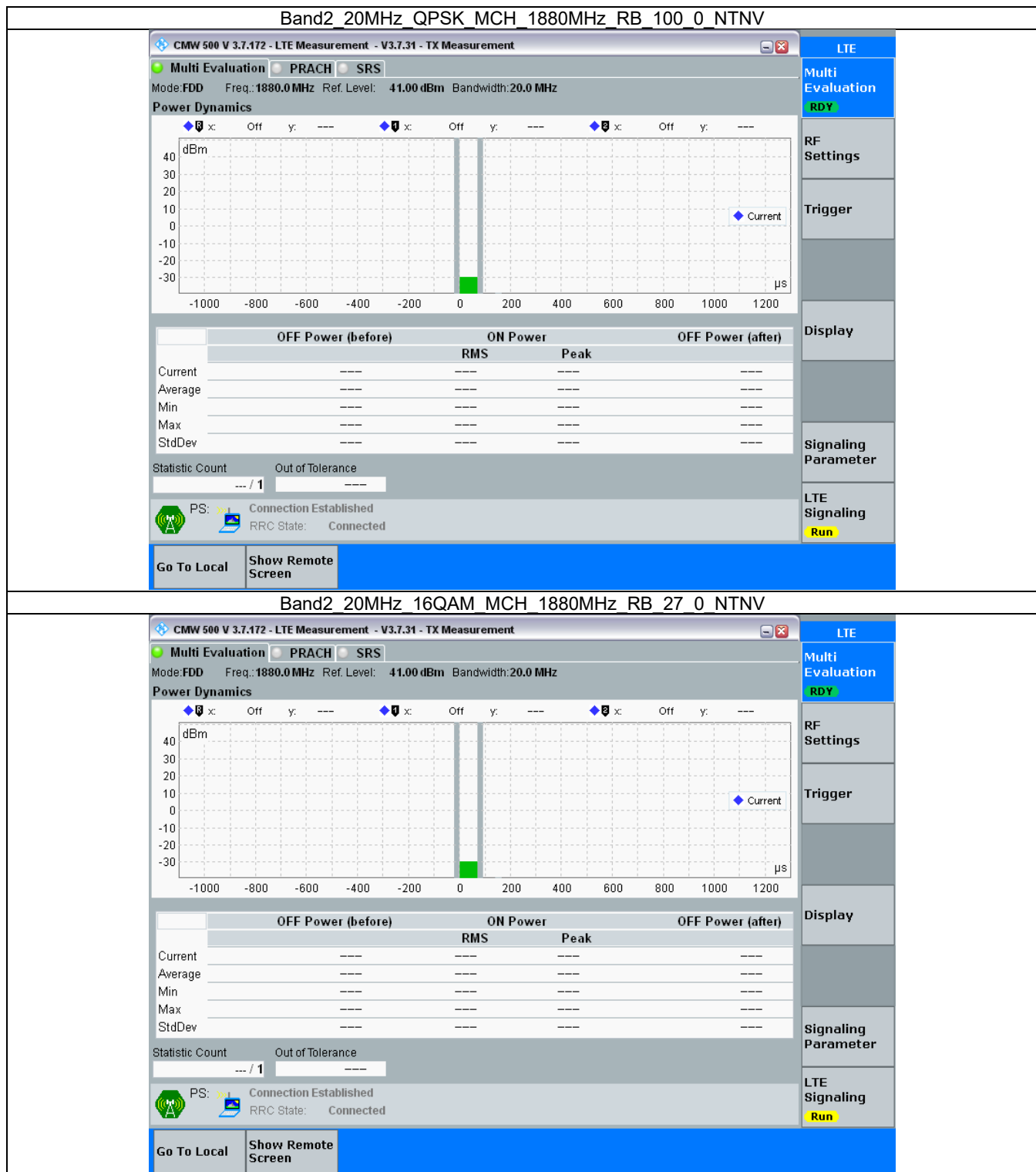
PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

Band2 15MHz QPSK MCH 1880MHz RB 75 0 NTNV

Band2 15MHz 16QAM MCH 1880MHz RB 27 0 NTNV

3.2.6 B2_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band2_OBW

Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.113	/	Pass
		1880	6	0	1.109	/	Pass
		1909.3	6	0	1.111	/	Pass
	16QAM	1850.7	6	0	1.110	/	Pass
		1880	6	0	1.118	/	Pass
		1909.3	6	0	1.116	/	Pass
3	QPSK	1851.5	15	0	2.750	/	Pass
		1880	15	0	2.741	/	Pass
		1908.5	15	0	2.750	/	Pass
	16QAM	1851.5	15	0	2.751	/	Pass
		1880	15	0	2.735	/	Pass
		1908.5	15	0	2.733	/	Pass
5	QPSK	1852.5	25	0	4.562	/	Pass
		1880	25	0	4.537	/	Pass
		1907.5	25	0	4.545	/	Pass
	16QAM	1852.5	25	0	4.533	/	Pass
		1880	25	0	4.555	/	Pass
		1907.5	25	0	4.560	/	Pass
10	QPSK	1855	50	0	9.067	/	Pass
		1880	50	0	9.019	/	Pass
		1905	50	0	9.012	/	Pass
	16QAM	1855	27	0	5.045	/	Pass
		1880	27	0	5.073	/	Pass
		1905	27	23	5.045	/	Pass
15	QPSK	1857.5	75	0	13.593	/	Pass
		1880	75	0	13.558	/	Pass
		1902.5	75	0	13.556	/	Pass
	16QAM	1857.5	27	0	5.321	/	Pass
		1880	27	0	5.275	/	Pass
		1902.5	27	48	5.260	/	Pass
20	QPSK	1860	100	0	18.091	/	Pass
		1880	100	0	17.961	/	Pass
		1900	100	0	18.039	/	Pass
	16QAM	1860	27	0	5.482	/	Pass
		1880	27	0	5.456	/	Pass
		1900	27	73	5.449	/	Pass

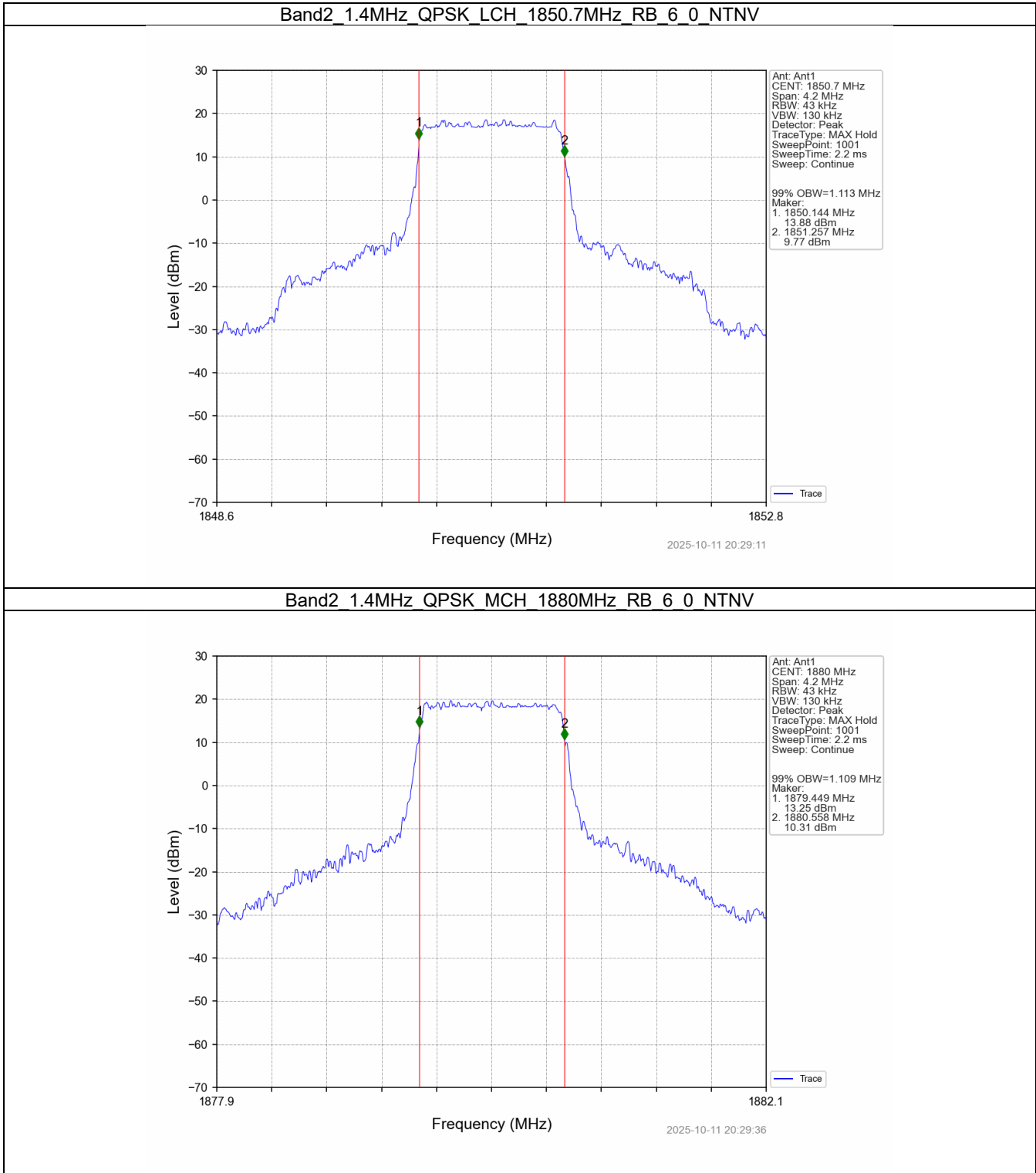
4.1.2 Band2_XDB

Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.320	/	Pass
		1880	6	0	1.320	/	Pass
		1909.3	6	0	1.307	/	Pass

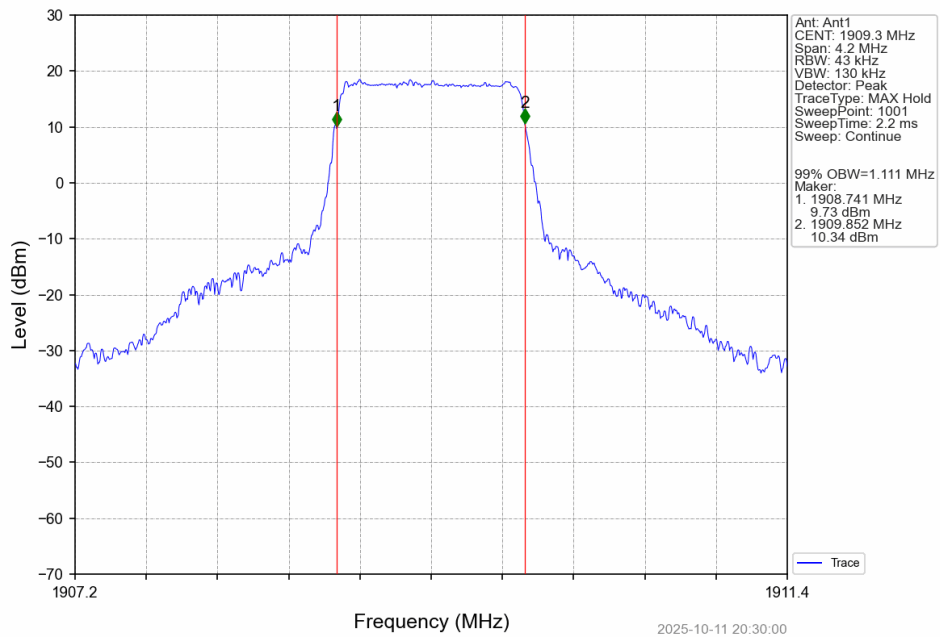
	16QAM	1850.7	6	0	1.332	/	Pass
		1880	6	0	1.333	/	Pass
		1909.3	6	0	1.310	/	Pass
3	QPSK	1851.5	15	0	3.033	/	Pass
		1880	15	0	3.022	/	Pass
		1908.5	15	0	3.026	/	Pass
	16QAM	1851.5	15	0	3.015	/	Pass
		1880	15	0	3.023	/	Pass
		1908.5	15	0	3.012	/	Pass
5	QPSK	1852.5	25	0	5.077	/	Pass
		1880	25	0	5.022	/	Pass
		1907.5	25	0	5.051	/	Pass
	16QAM	1852.5	25	0	5.107	/	Pass
		1880	25	0	5.066	/	Pass
		1907.5	25	0	4.997	/	Pass
10	QPSK	1855	50	0	9.927	/	Pass
		1880	50	0	9.856	/	Pass
		1905	50	0	9.856	/	Pass
	16QAM	1855	27	0	5.857	/	Pass
		1880	27	0	5.851	/	Pass
		1905	27	23	5.780	/	Pass
15	QPSK	1857.5	75	0	14.809	/	Pass
		1880	75	0	14.748	/	Pass
		1902.5	75	0	14.867	/	Pass
	16QAM	1857.5	27	0	6.269	/	Pass
		1880	27	0	6.217	/	Pass
		1902.5	27	48	6.168	/	Pass
20	QPSK	1860	100	0	19.506	/	Pass
		1880	100	0	19.496	/	Pass
		1900	100	0	19.475	/	Pass
	16QAM	1860	27	0	7.562	/	Pass
		1880	27	0	6.346	/	Pass
		1900	27	73	6.960	/	Pass

4.2 Test Graph

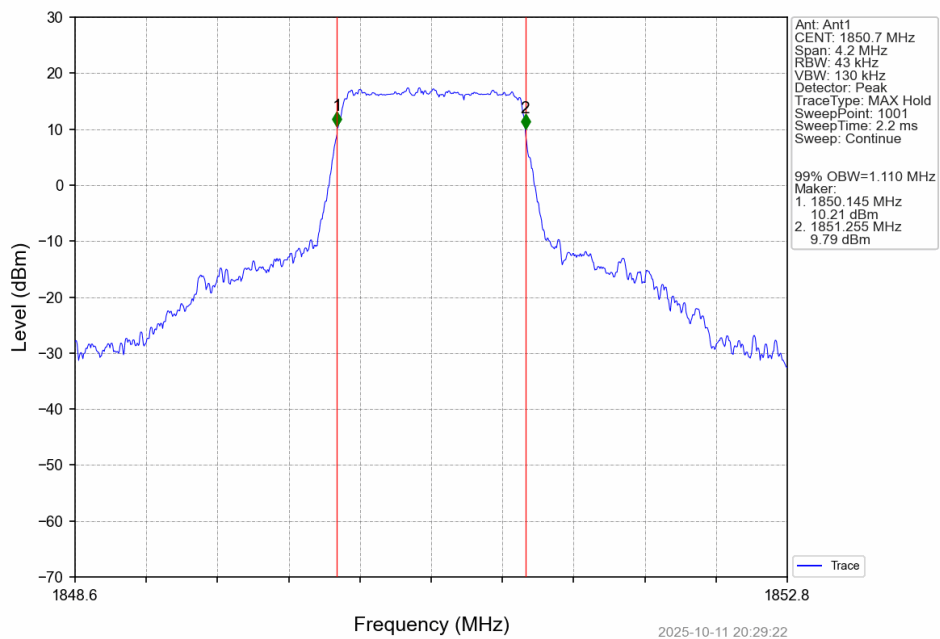
4.2.1 Band2_OBW



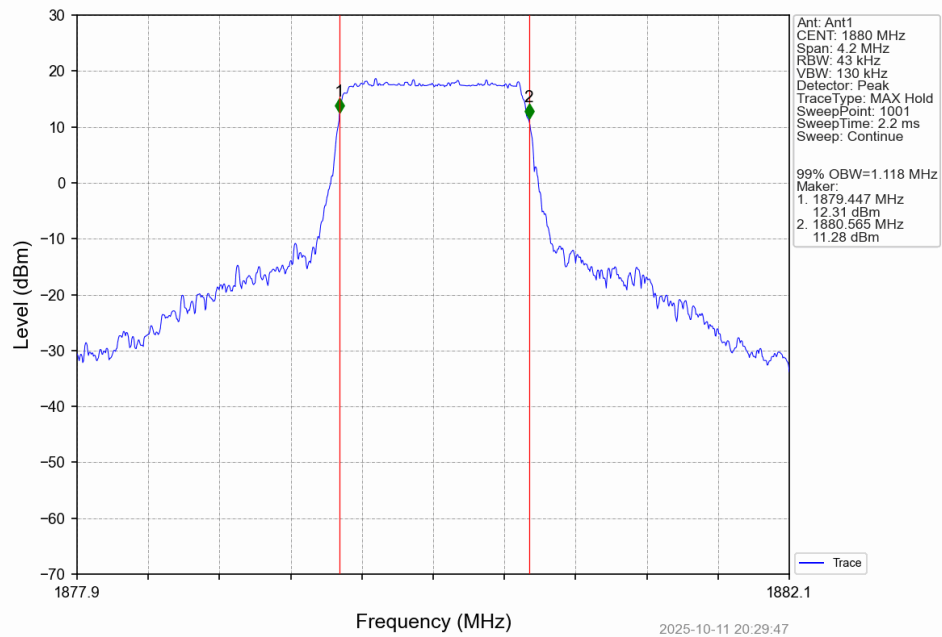
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



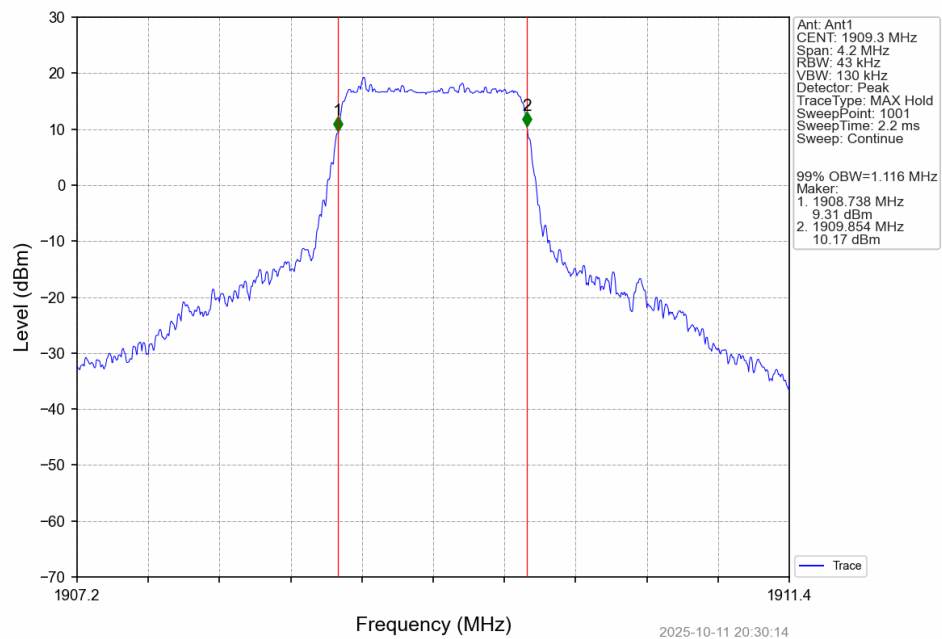
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



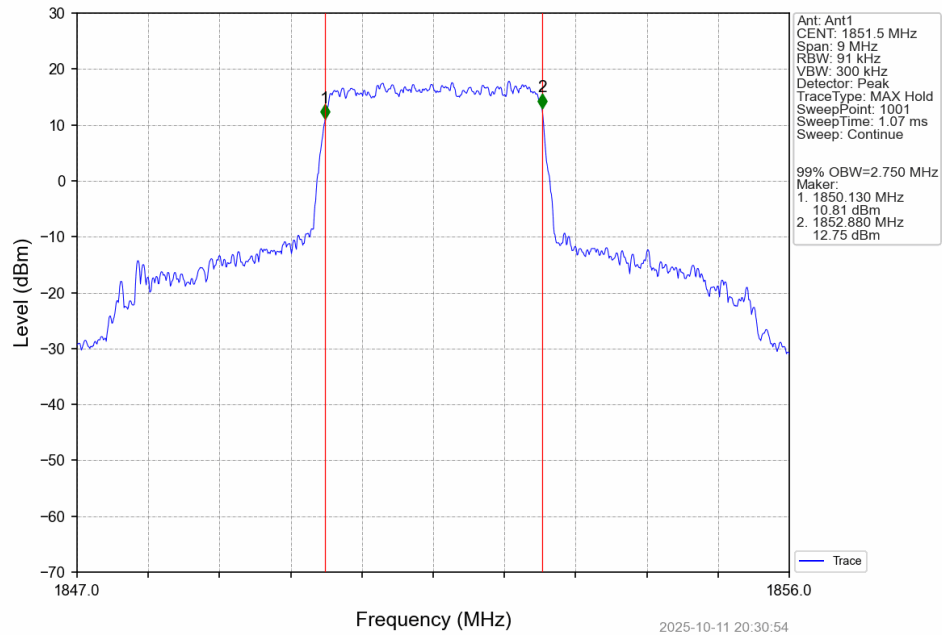
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



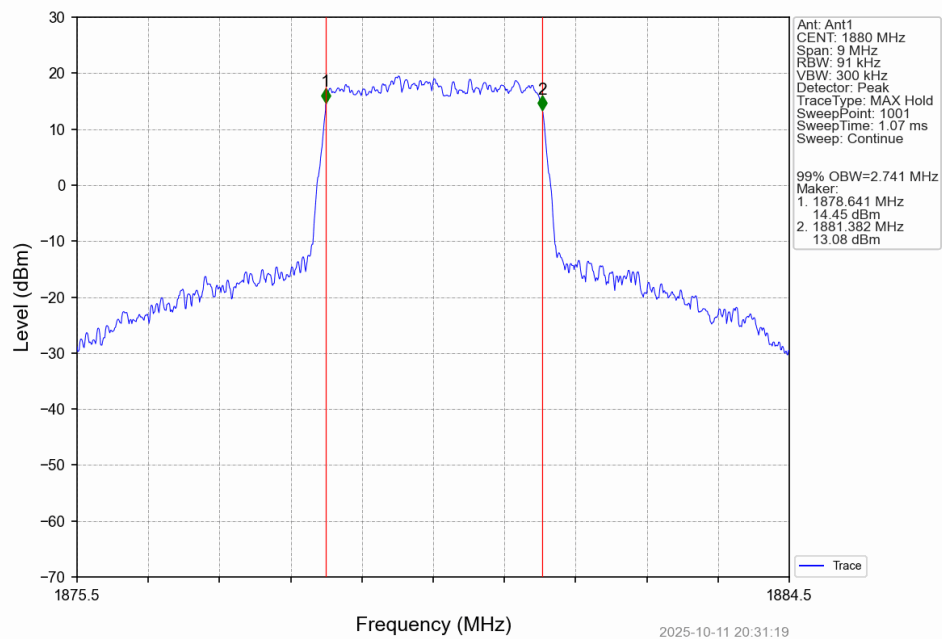
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



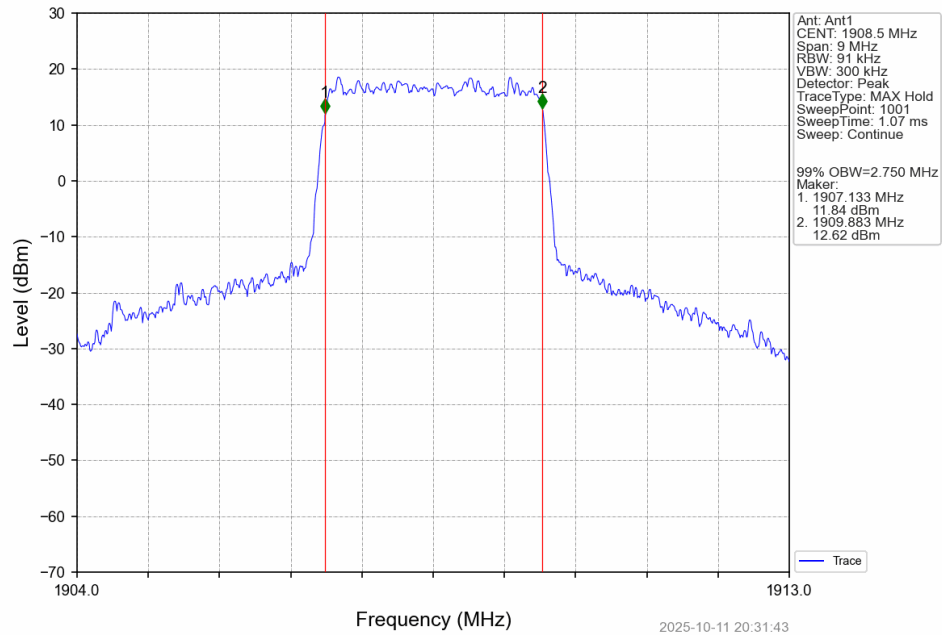
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



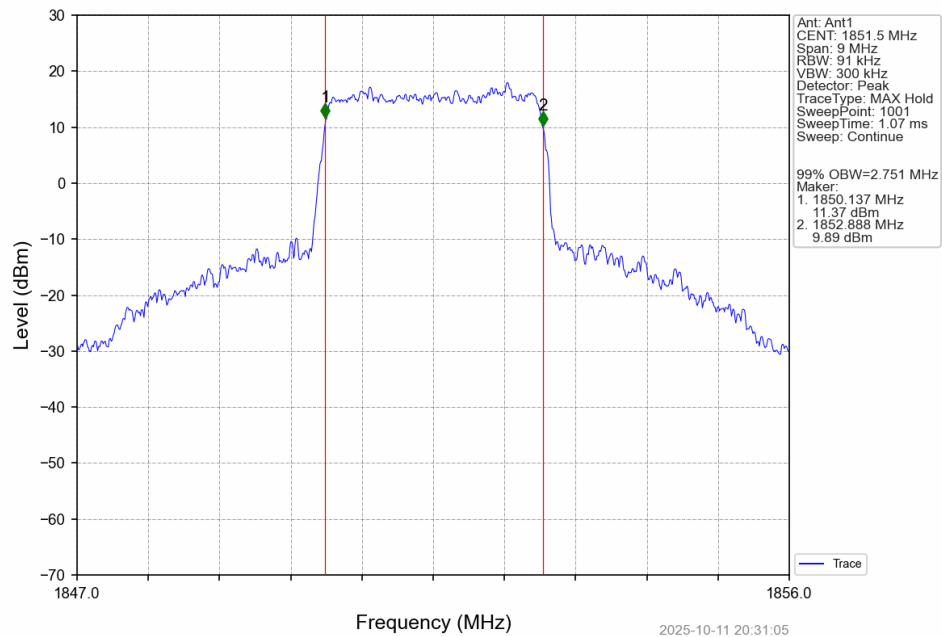
Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



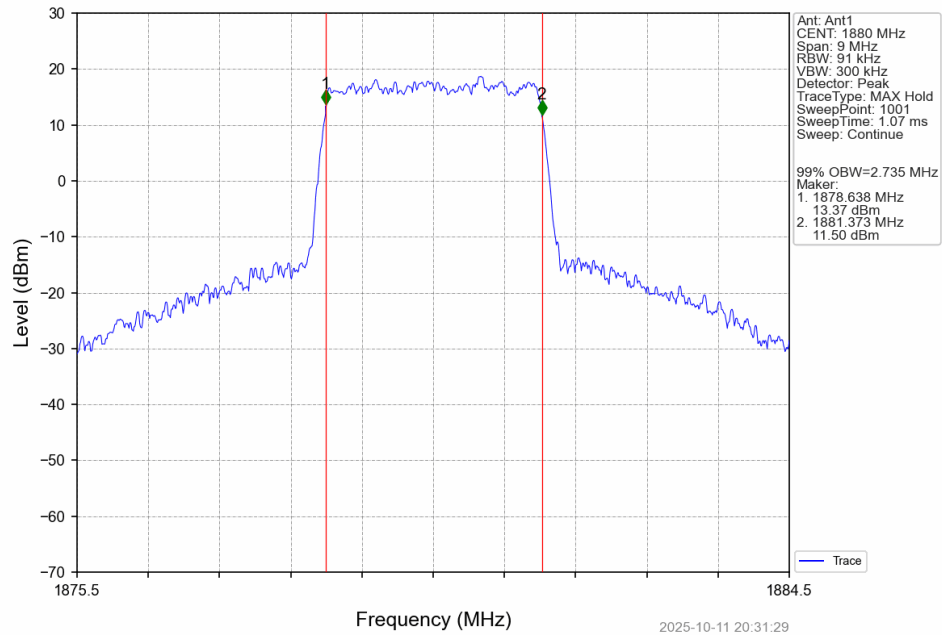
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



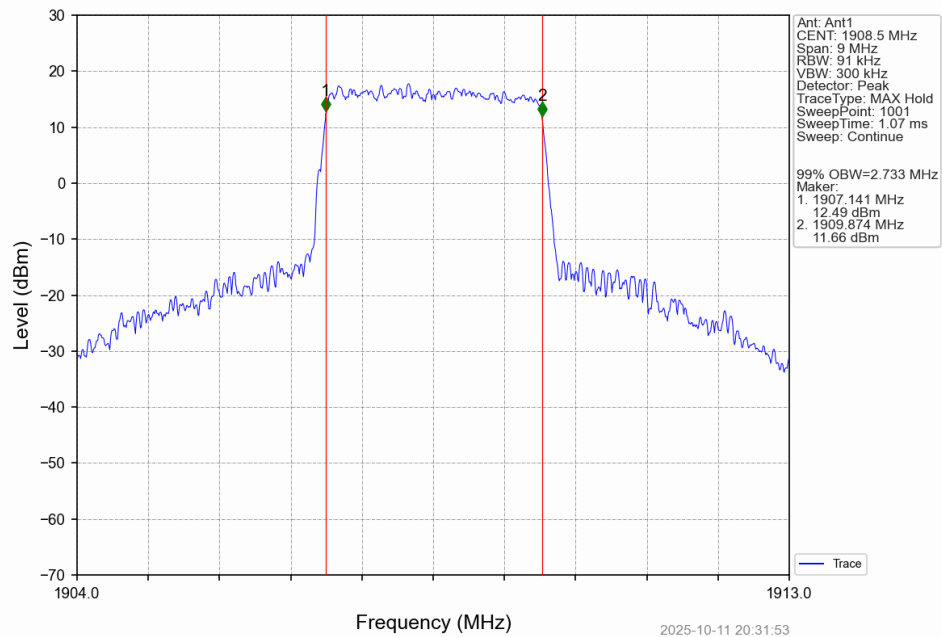
Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



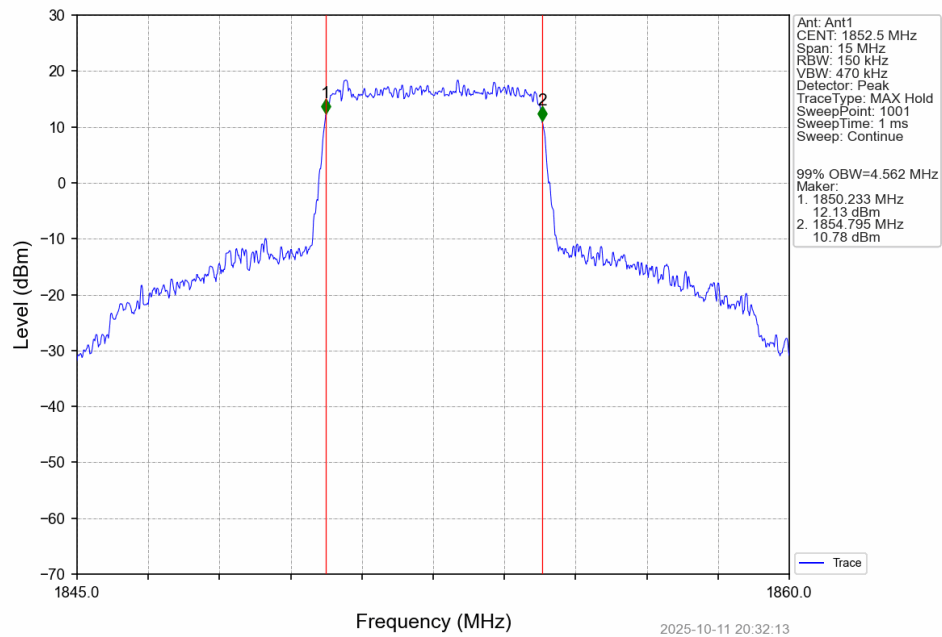
Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



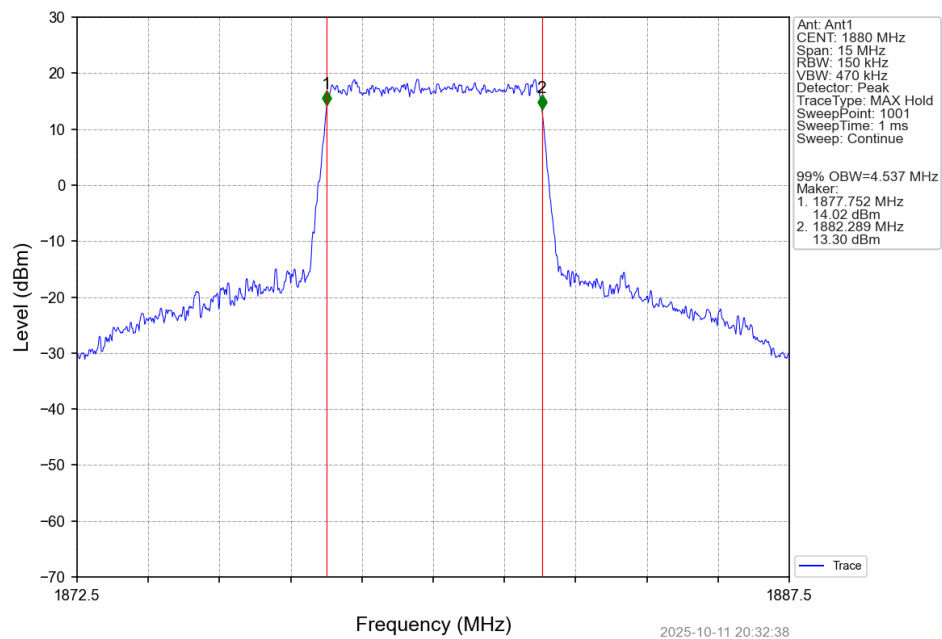
Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV



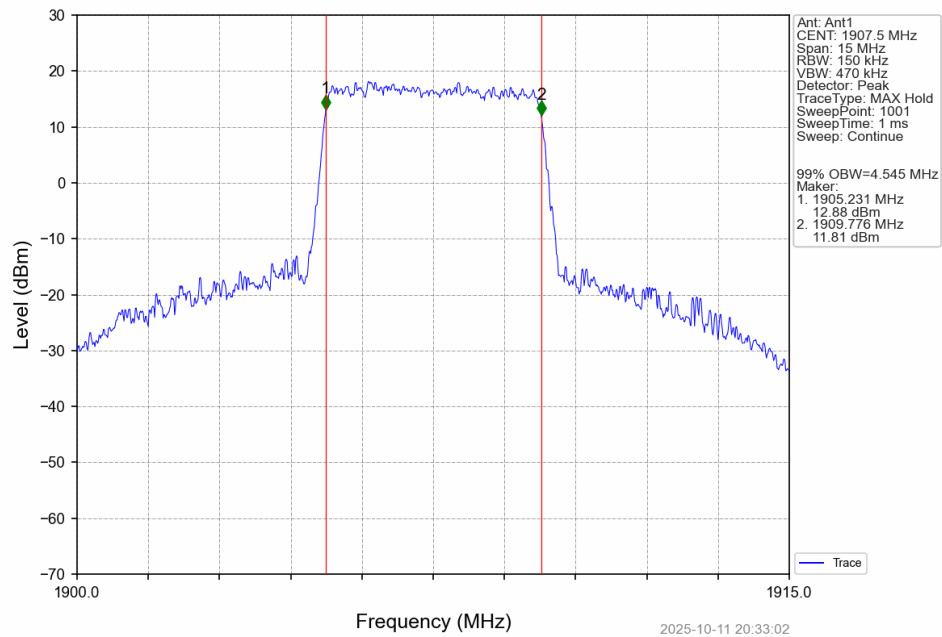
Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



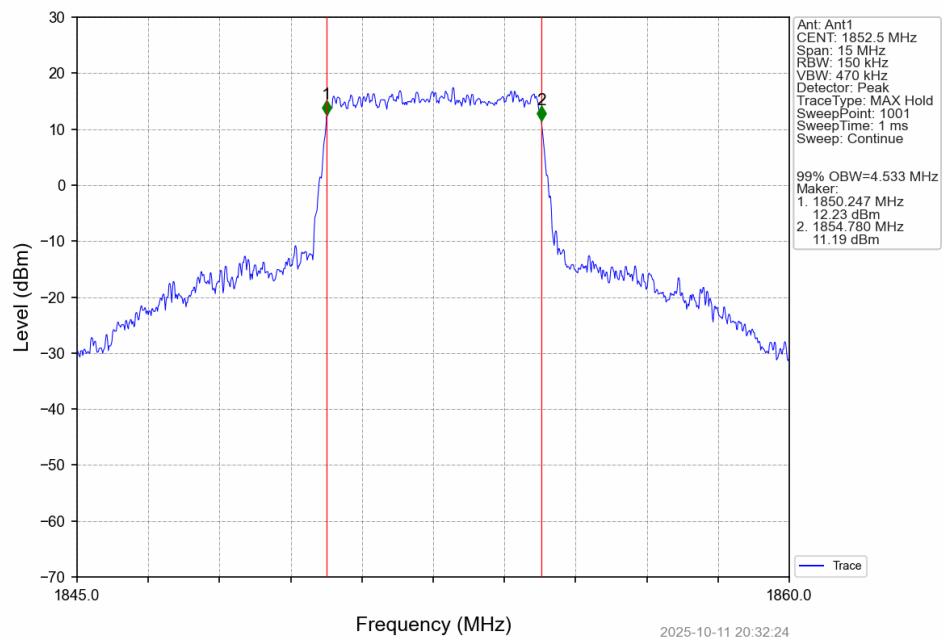
Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



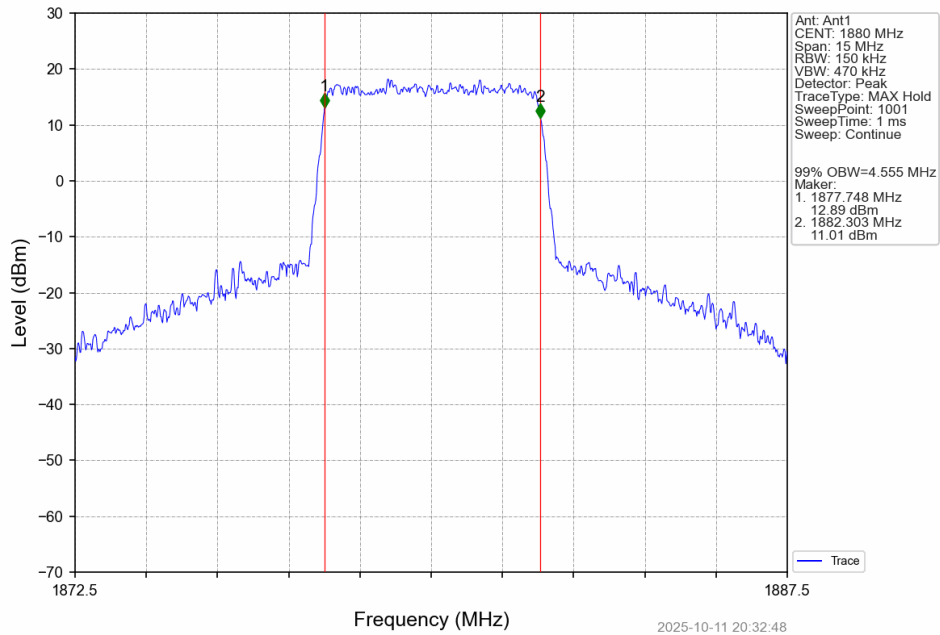
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



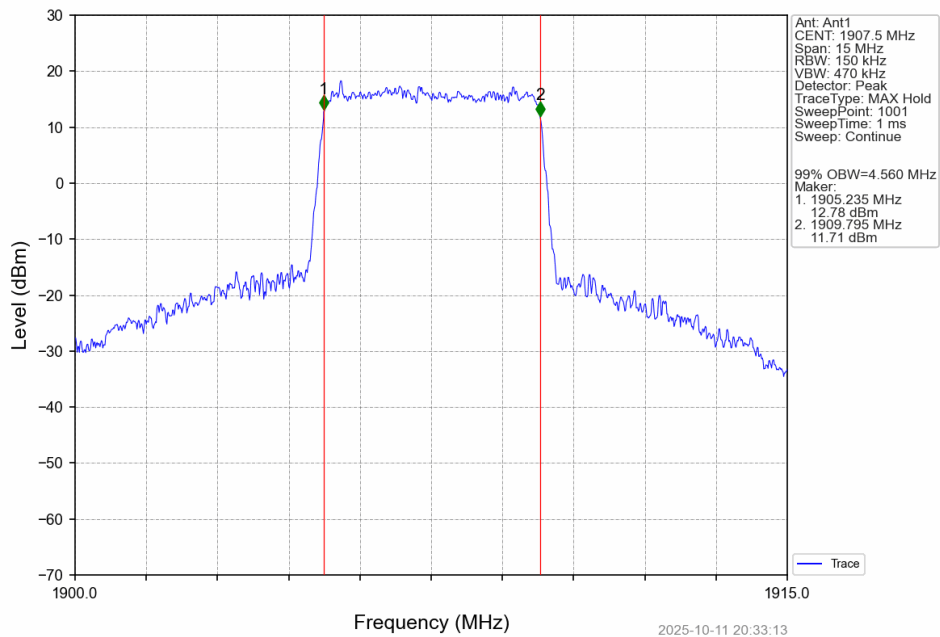
Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



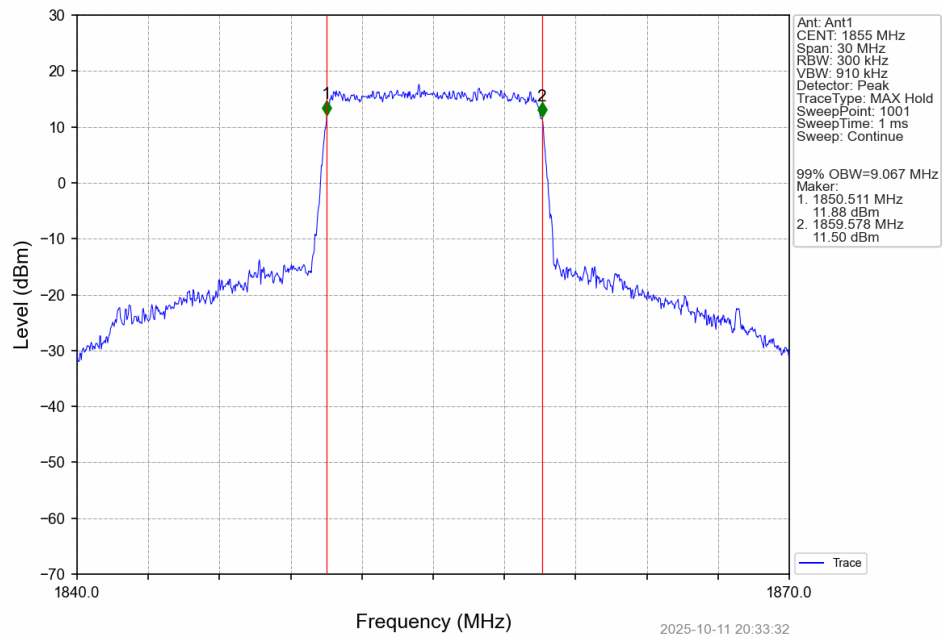
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



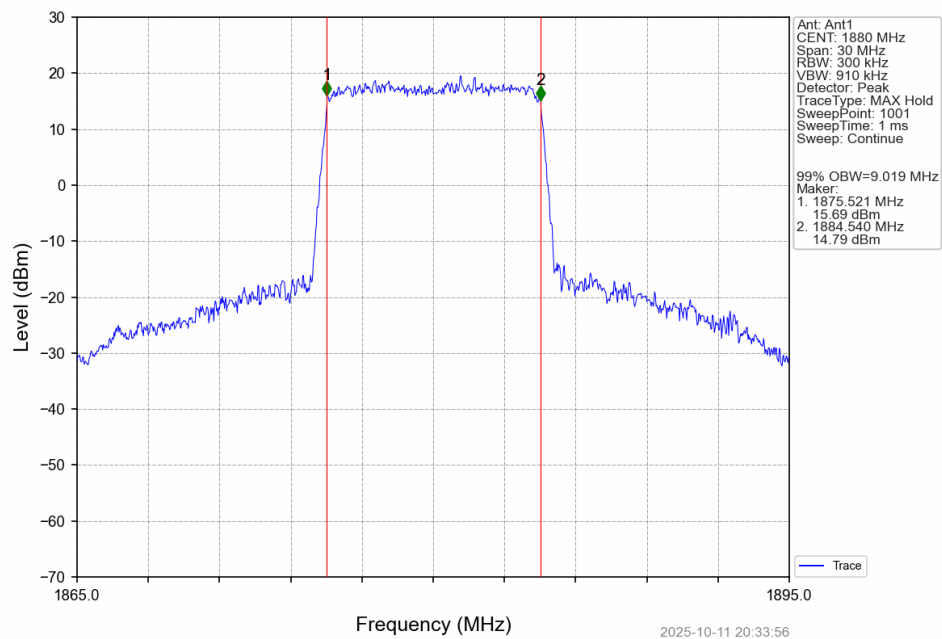
Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV



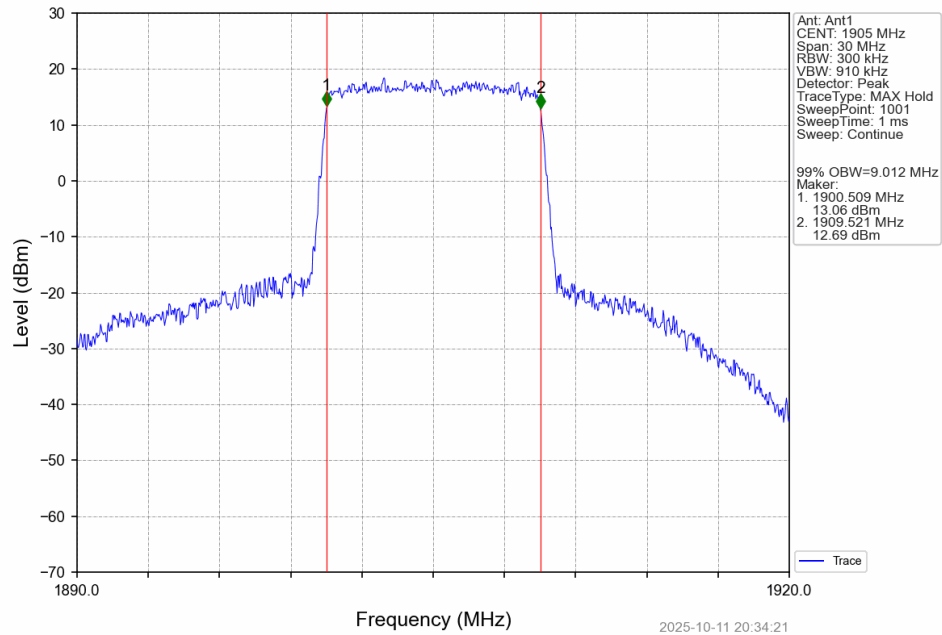
Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



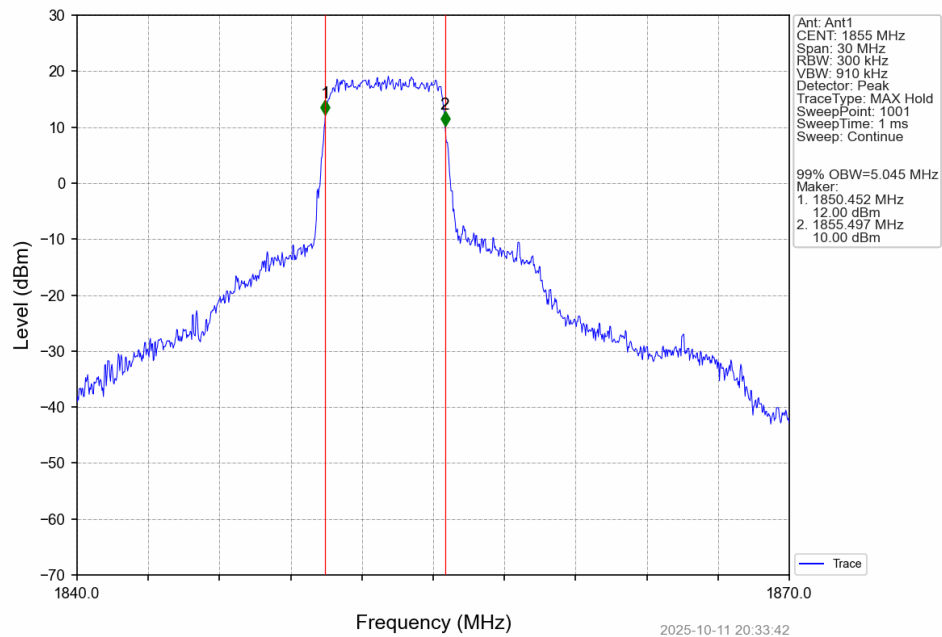
Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



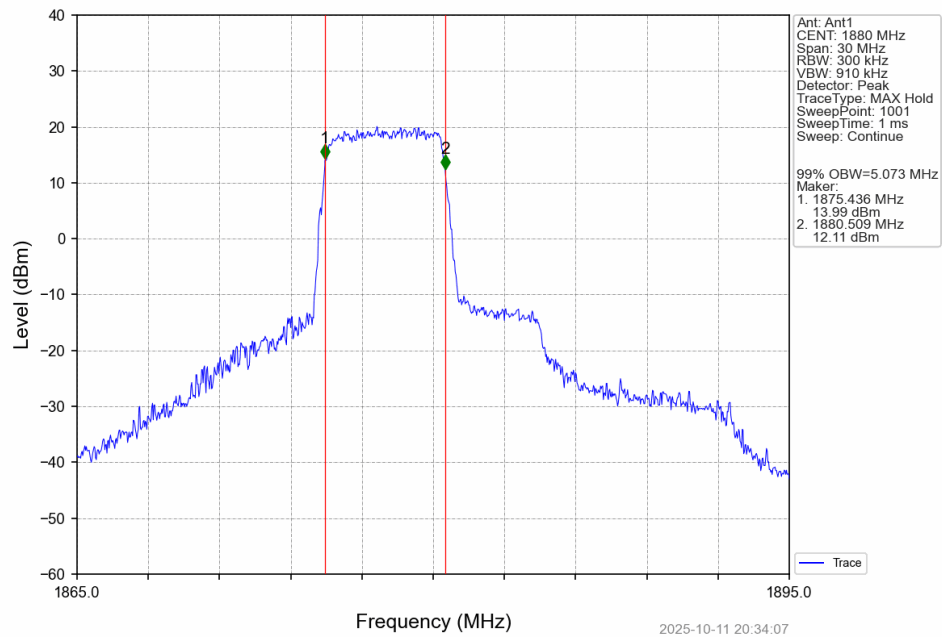
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



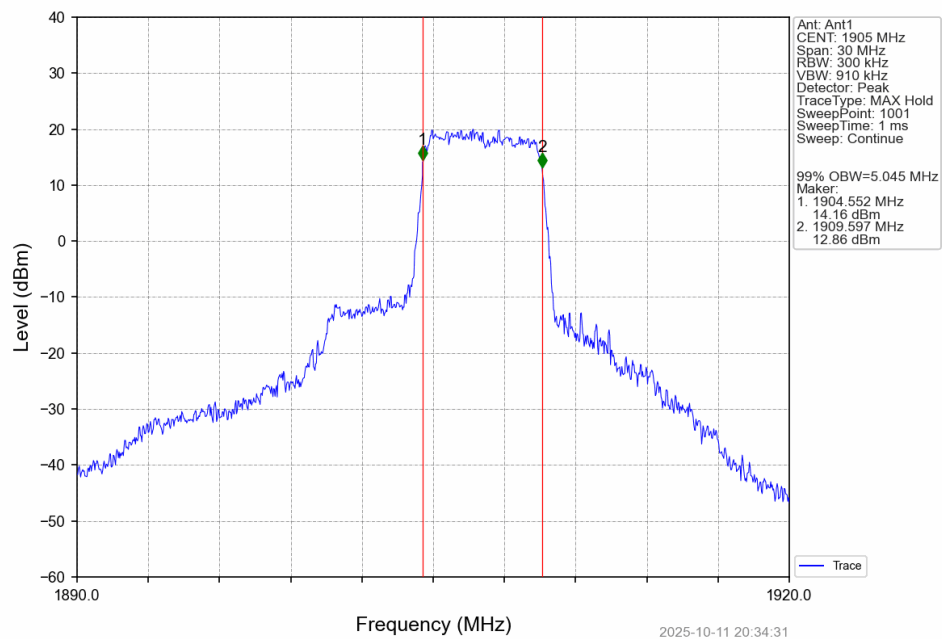
Band2_10MHz_16QAM_LCH_1855MHz_RB_27_0_NTNV



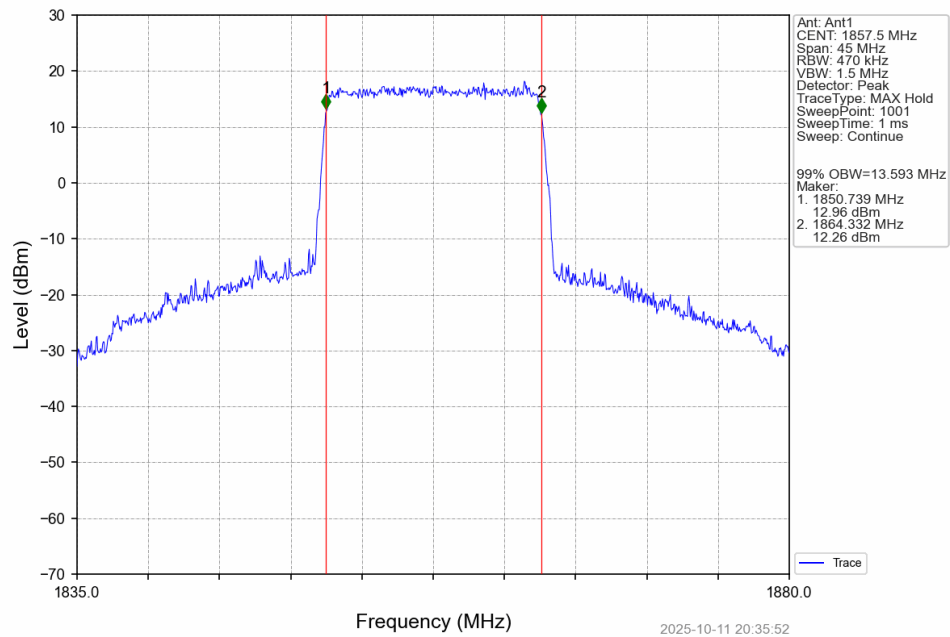
Band2_10MHz_16QAM_MCH_1880MHz_RB_27_0_NTNV



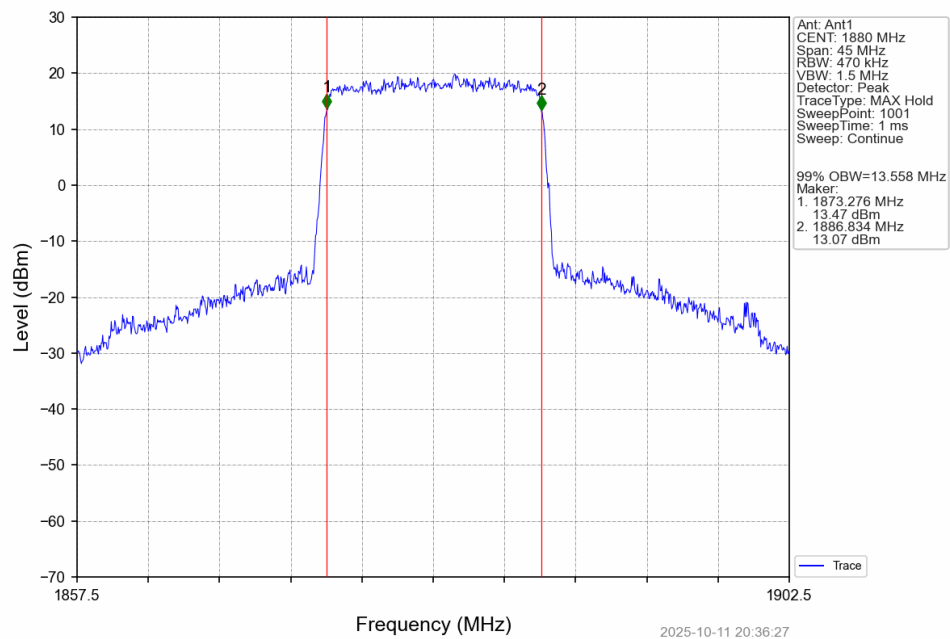
Band2_10MHz_16QAM_HCH_1905MHz_RB_27_23_NTNV



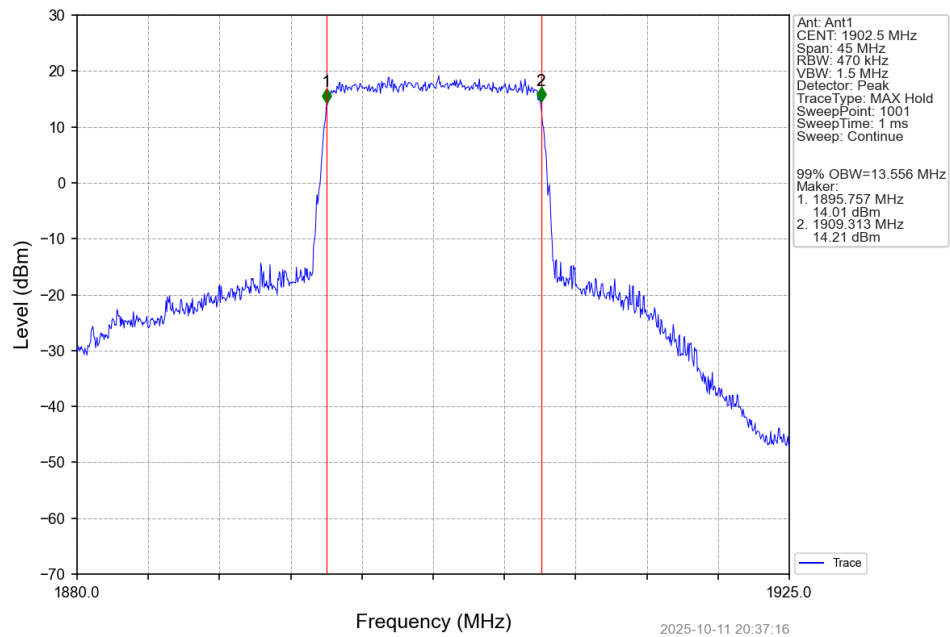
Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



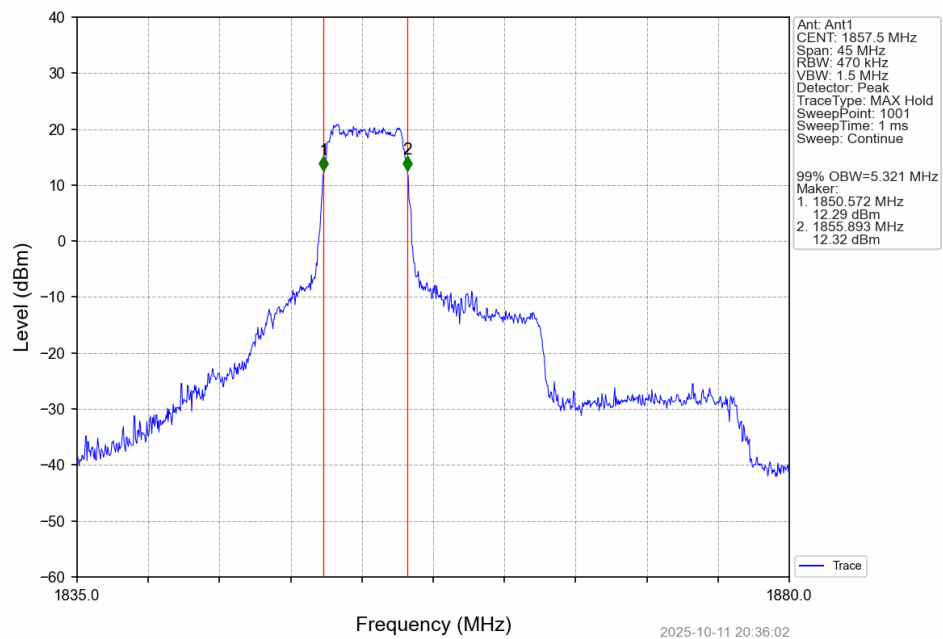
Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



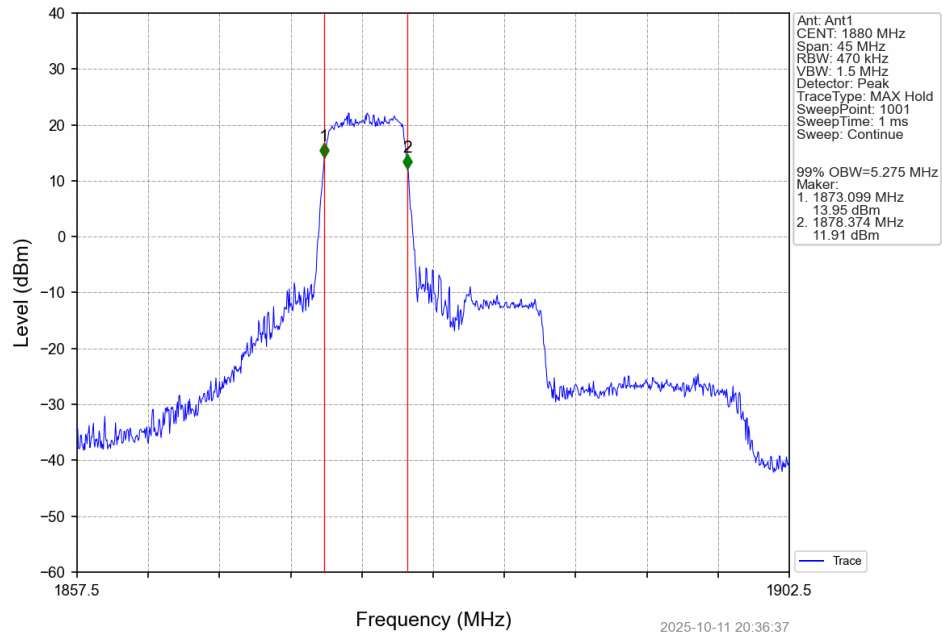
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



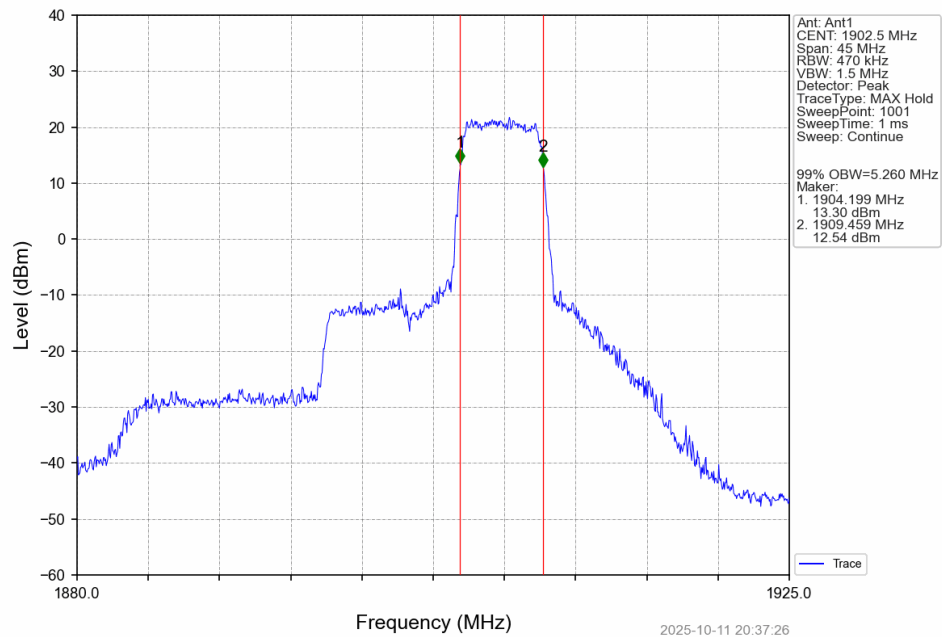
Band2_15MHz_16QAM_LCH_1857.5MHz_RB_27_0_NTNV



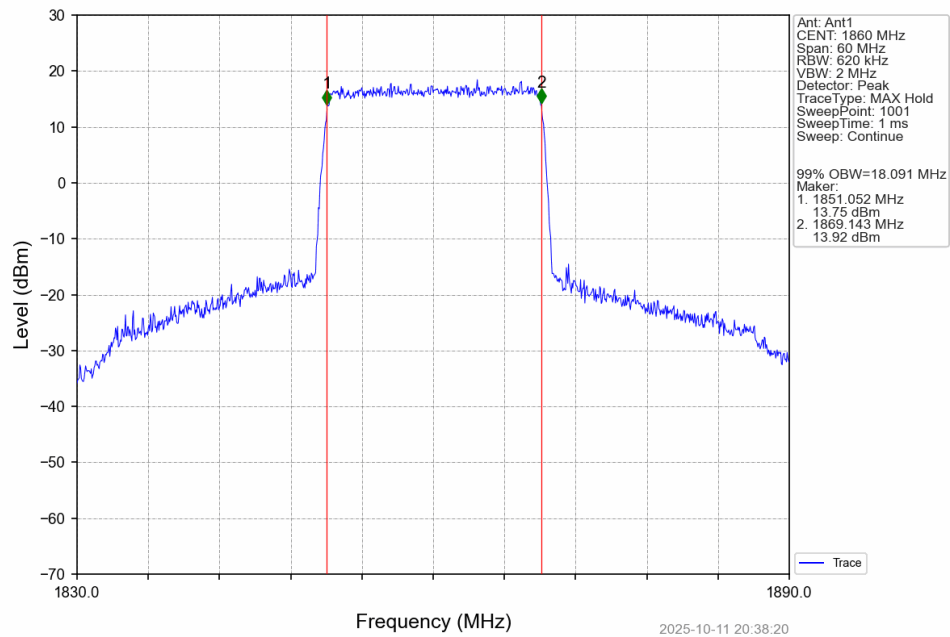
Band2_15MHz_16QAM_MCH_1880MHz_RB_27_0_NTNV



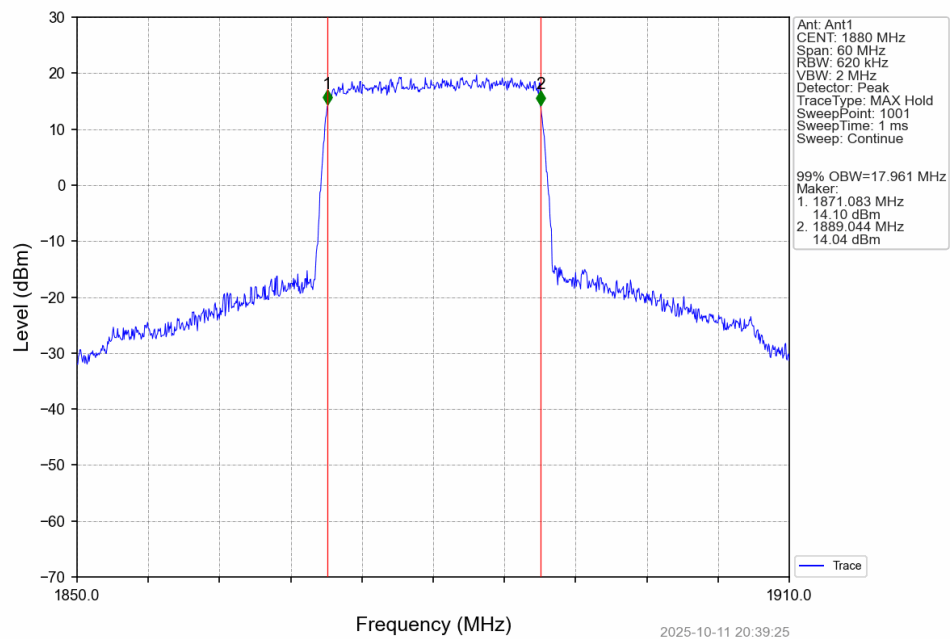
Band2_15MHz_16QAM_HCH_1902.5MHz_RB_27_48_NTNV



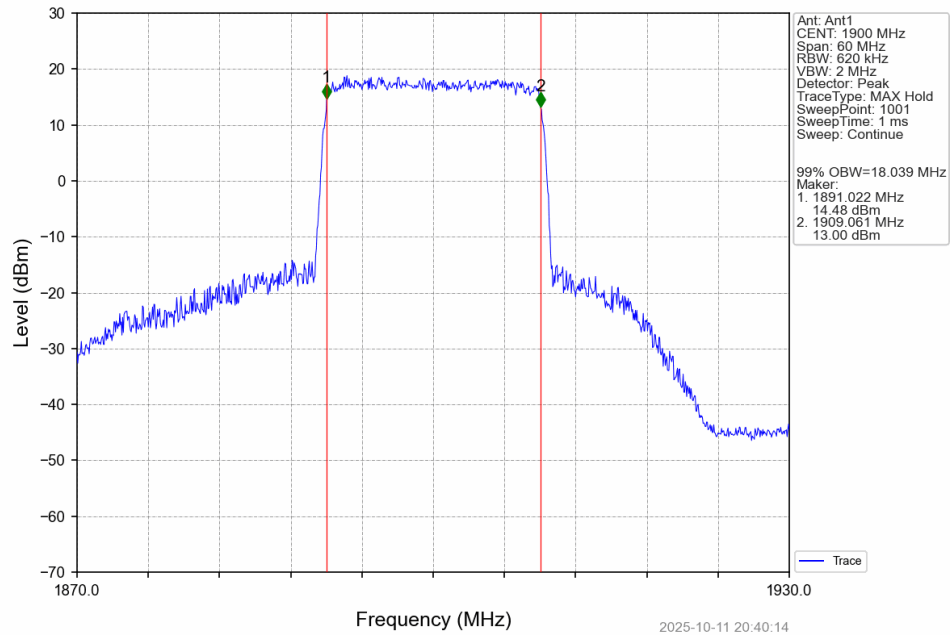
Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



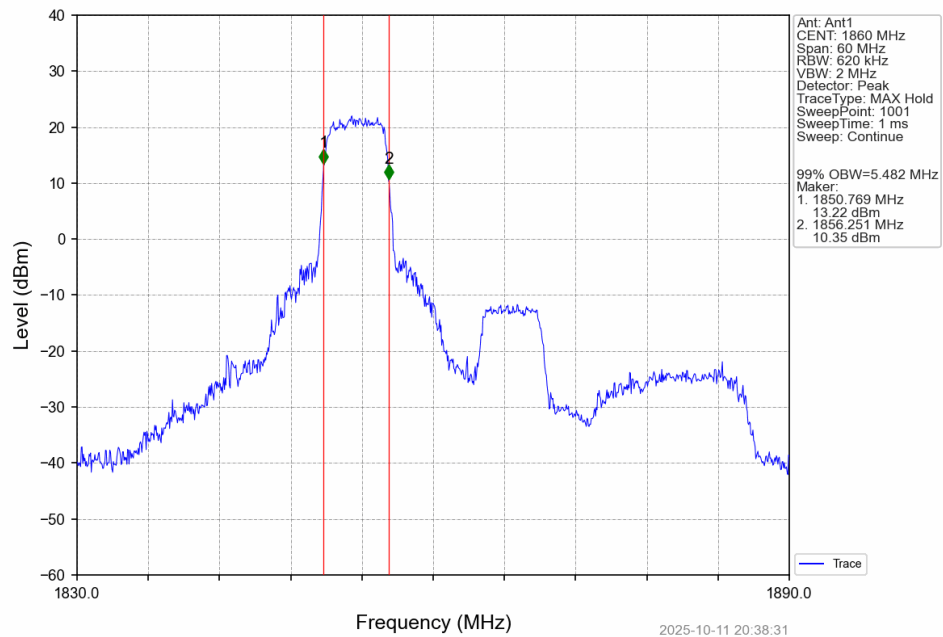
Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV



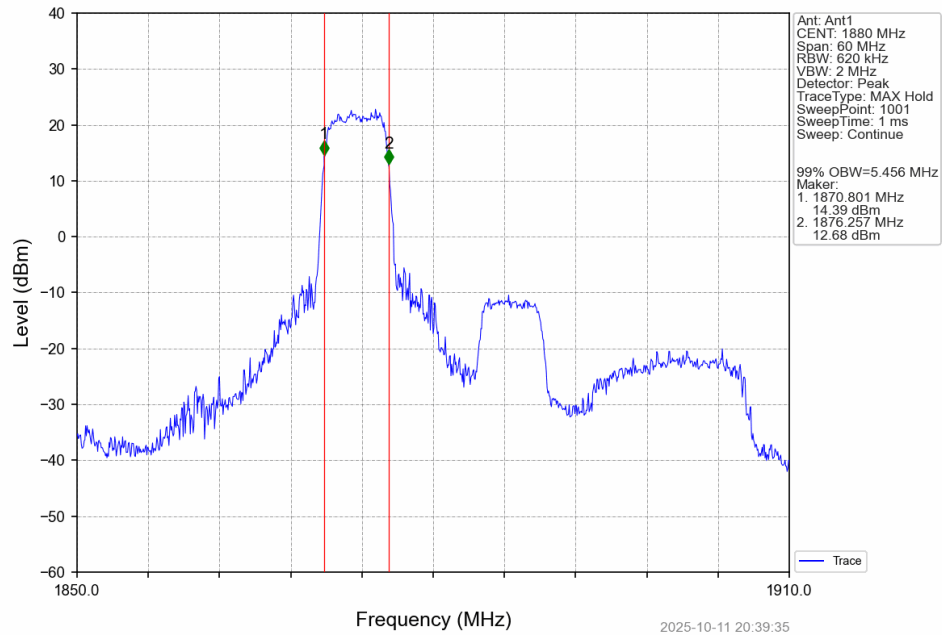
Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



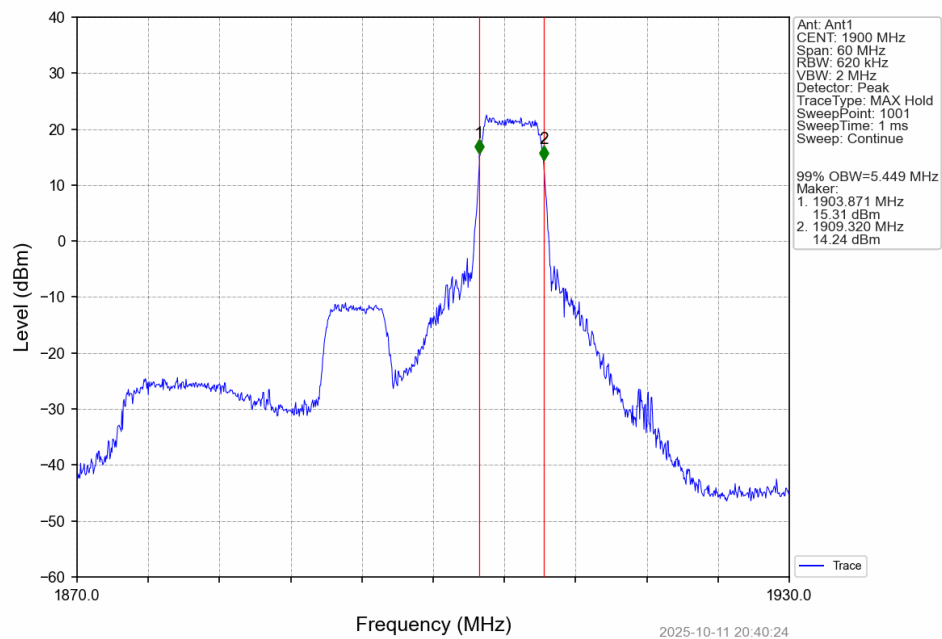
Band2_20MHz_16QAM_LCH_1860MHz_RB_27_0_NTNV



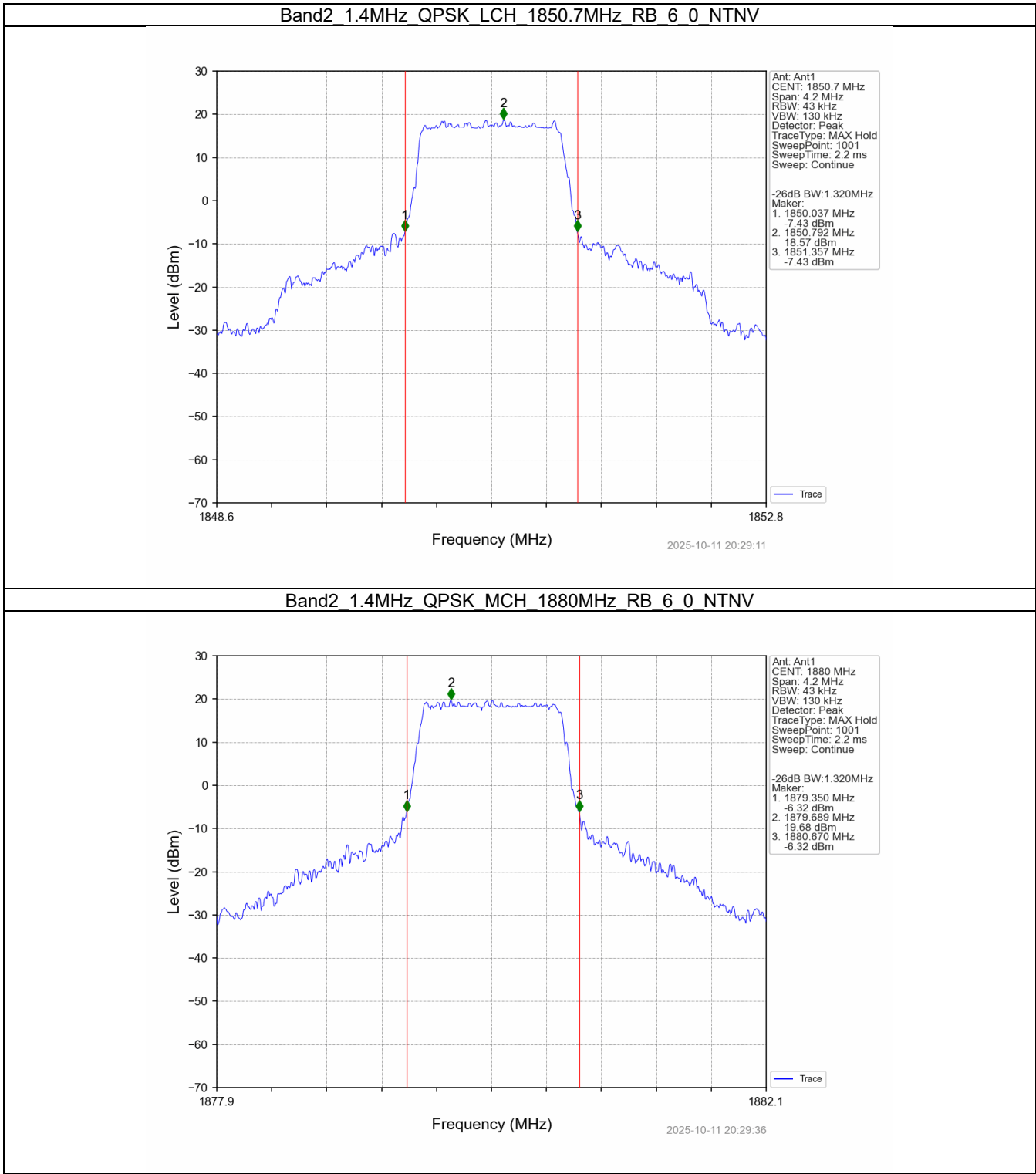
Band2_20MHz_16QAM_MCH_1880MHz_RB_27_0_NTNV



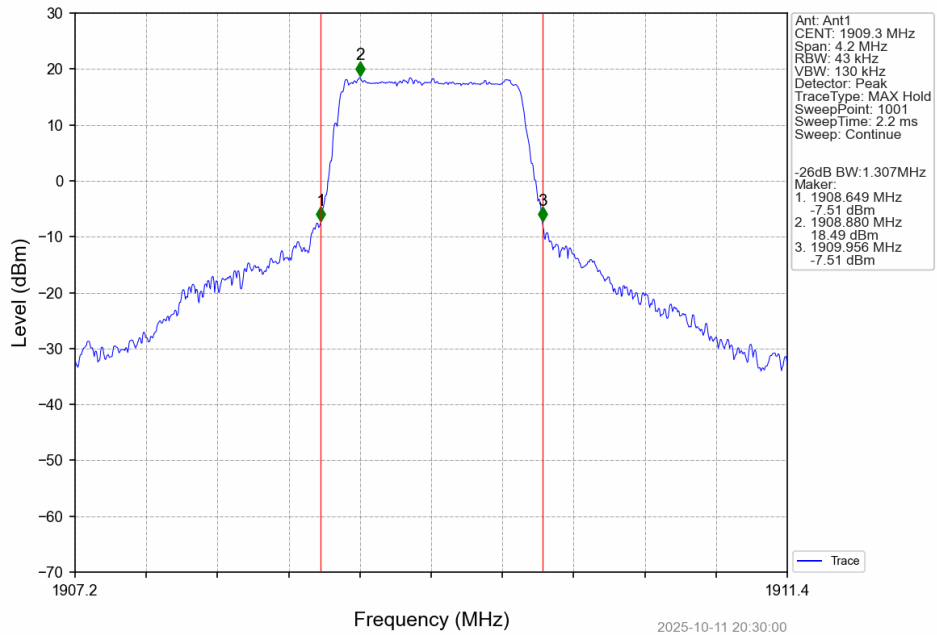
Band2_20MHz_16QAM_HCH_1900MHz_RB_27_73_NTNV



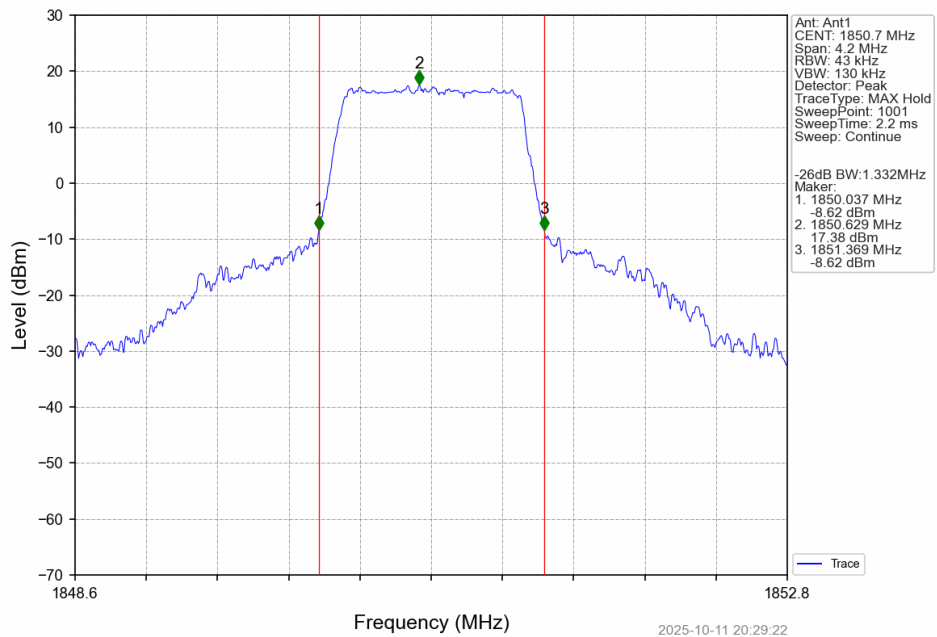
4.2.2 Band2_XDB



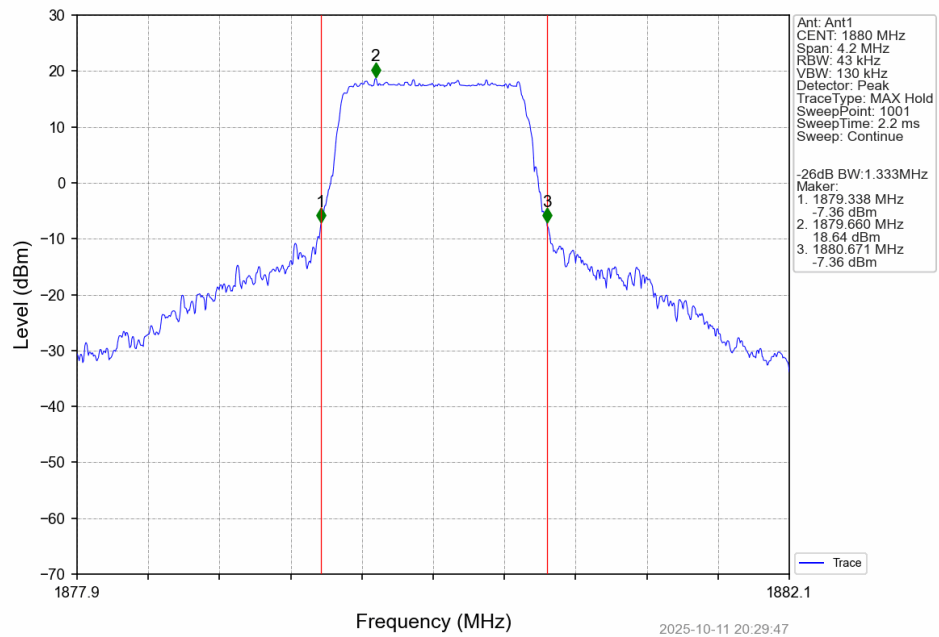
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



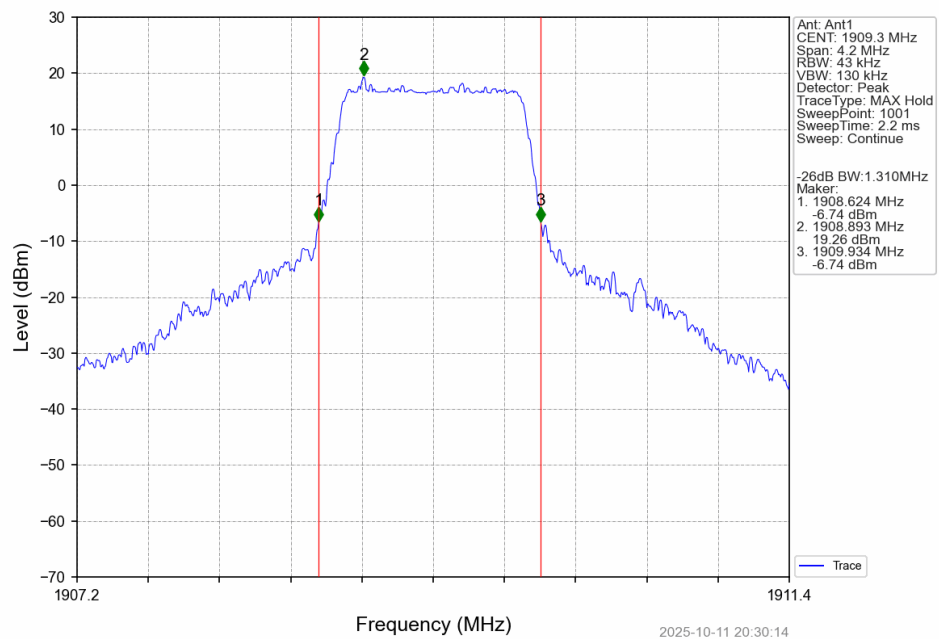
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



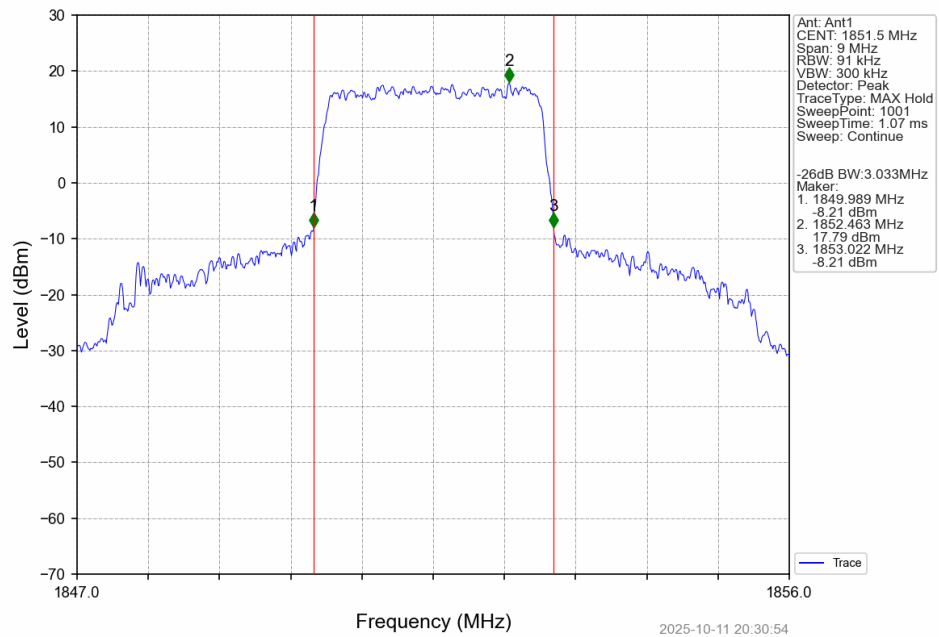
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



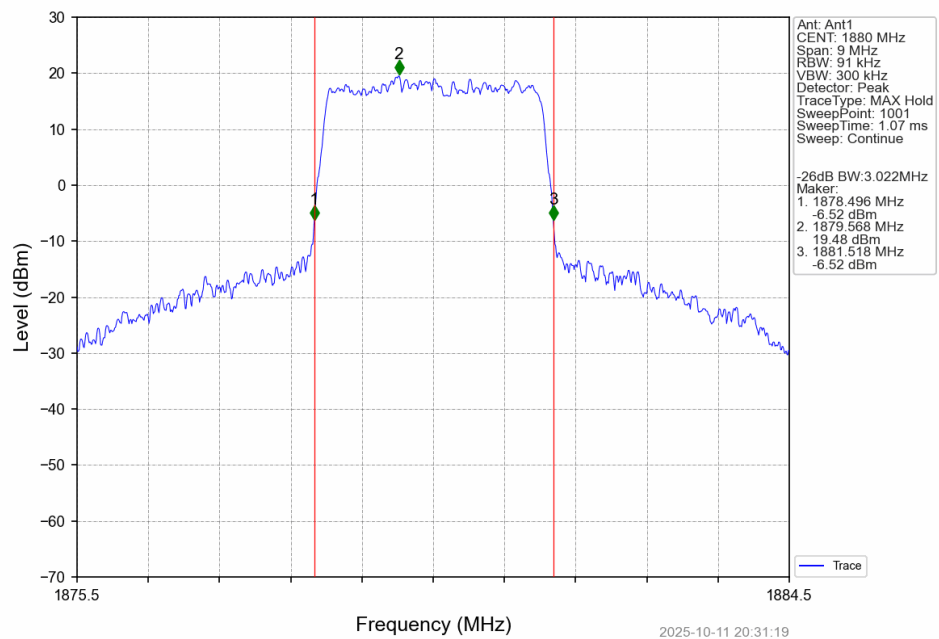
Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



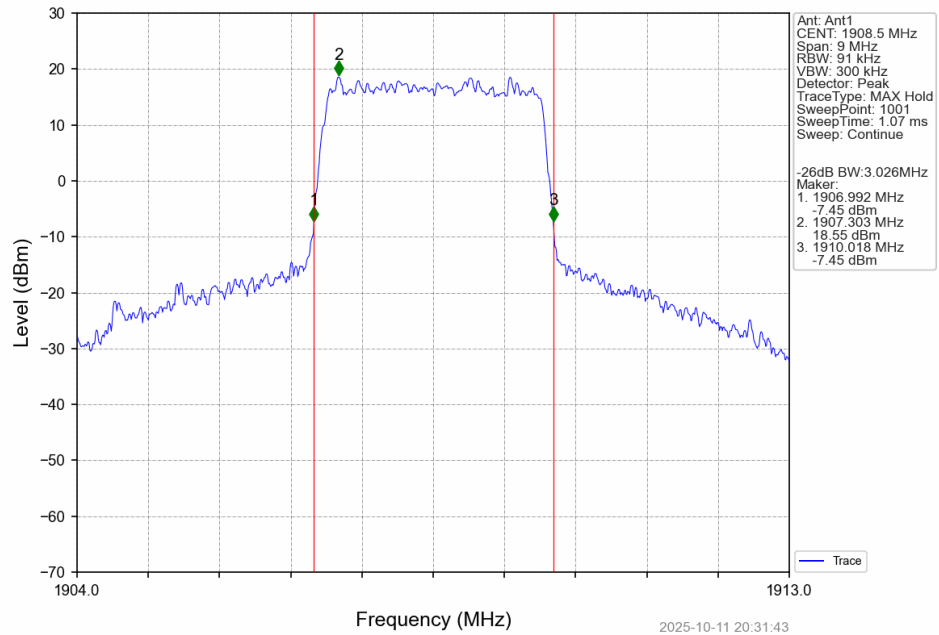
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



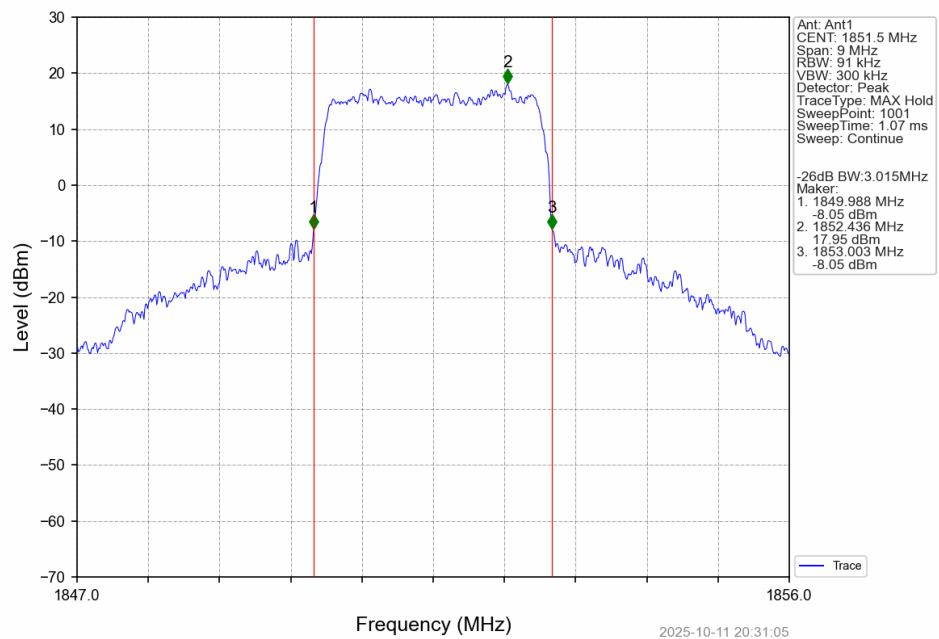
Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



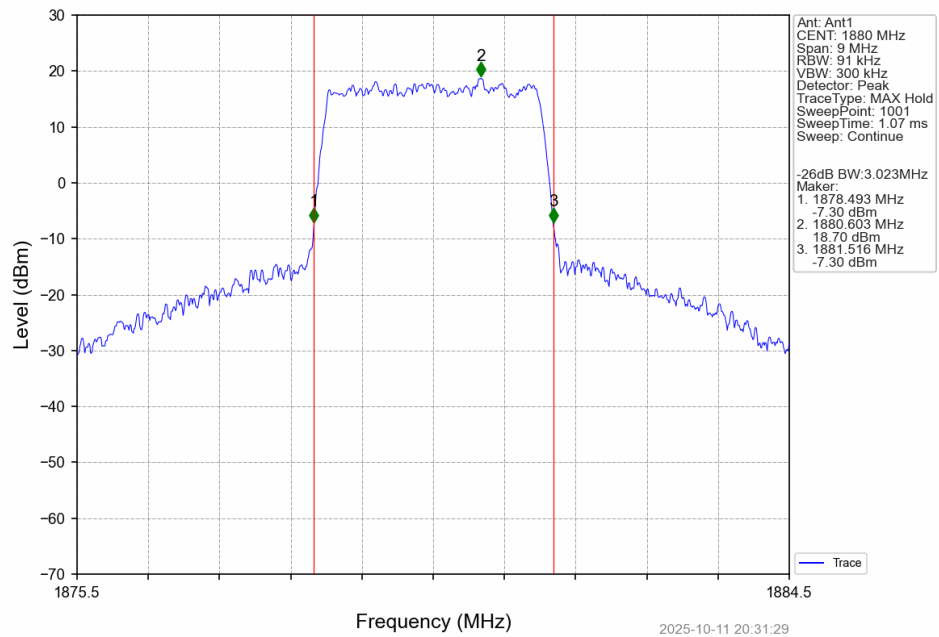
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



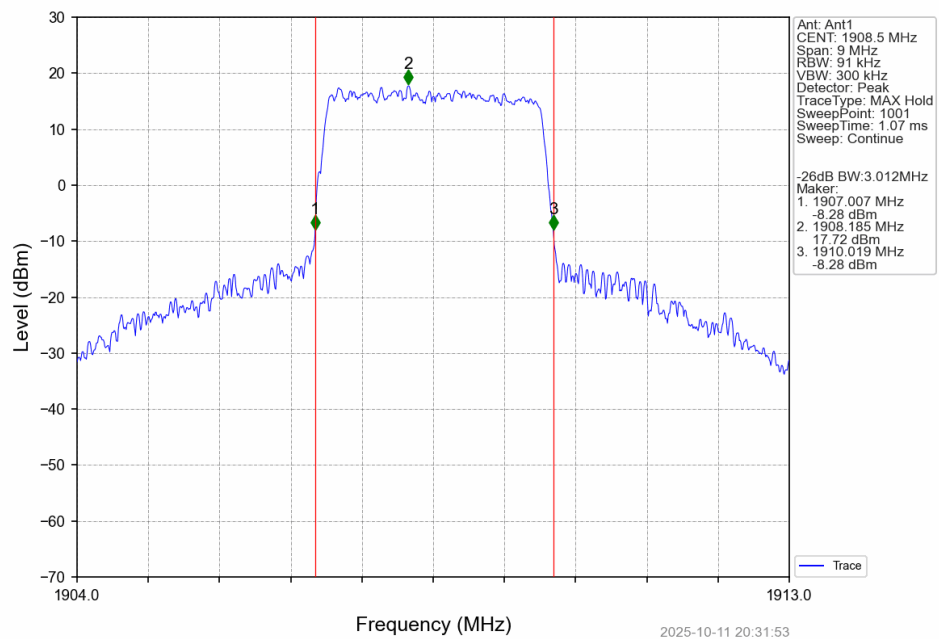
Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



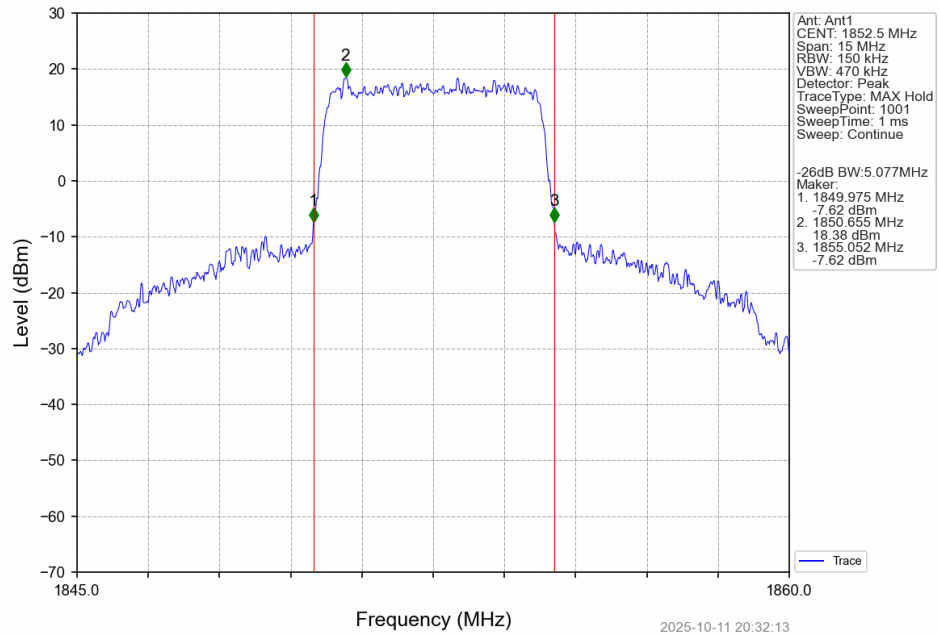
Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



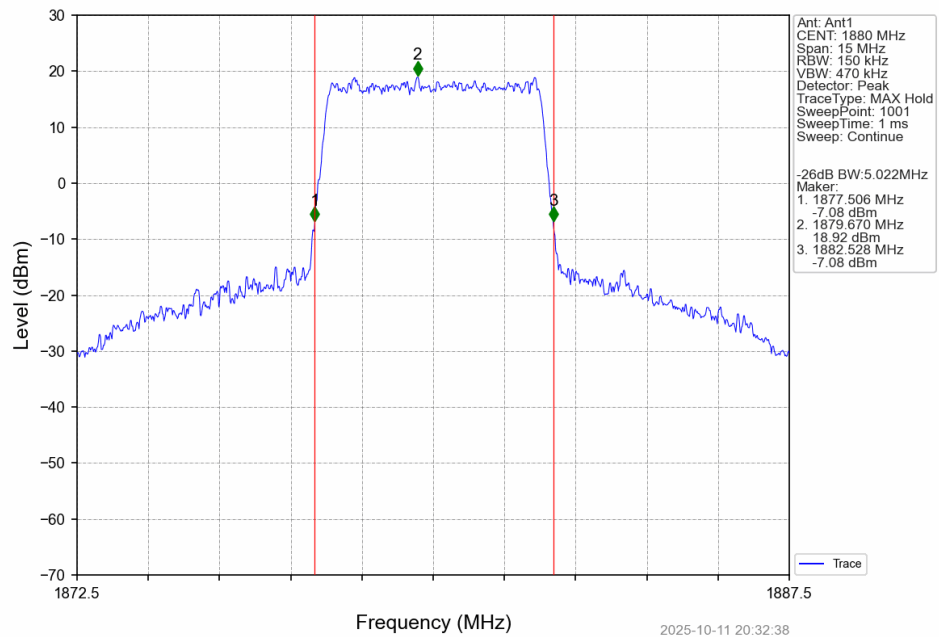
Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV



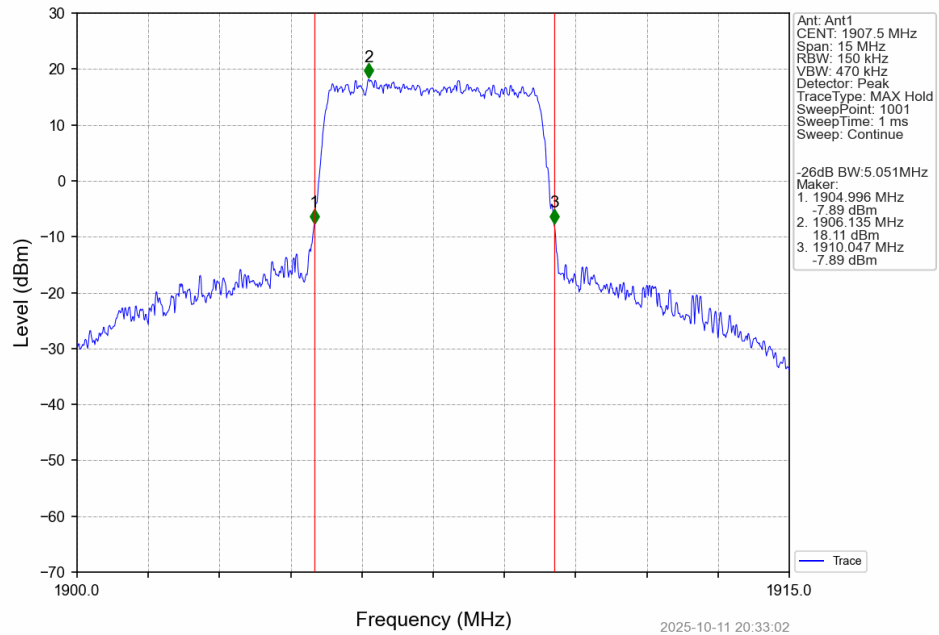
Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



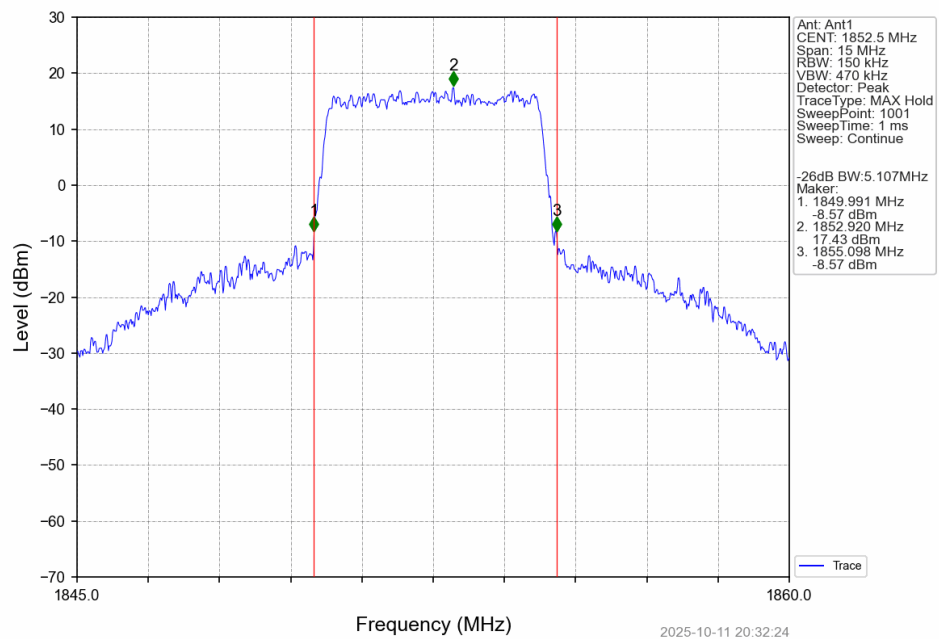
Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



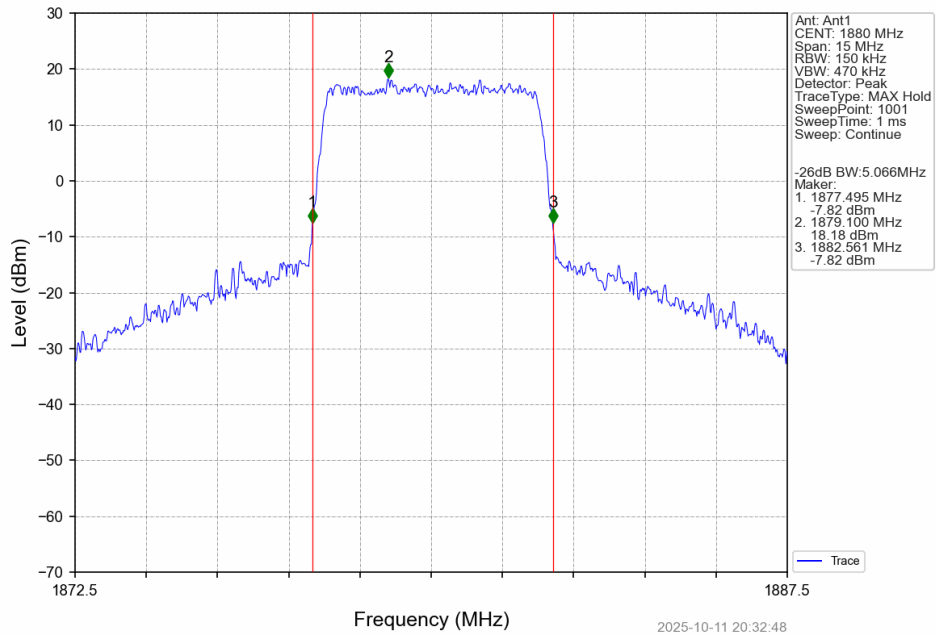
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



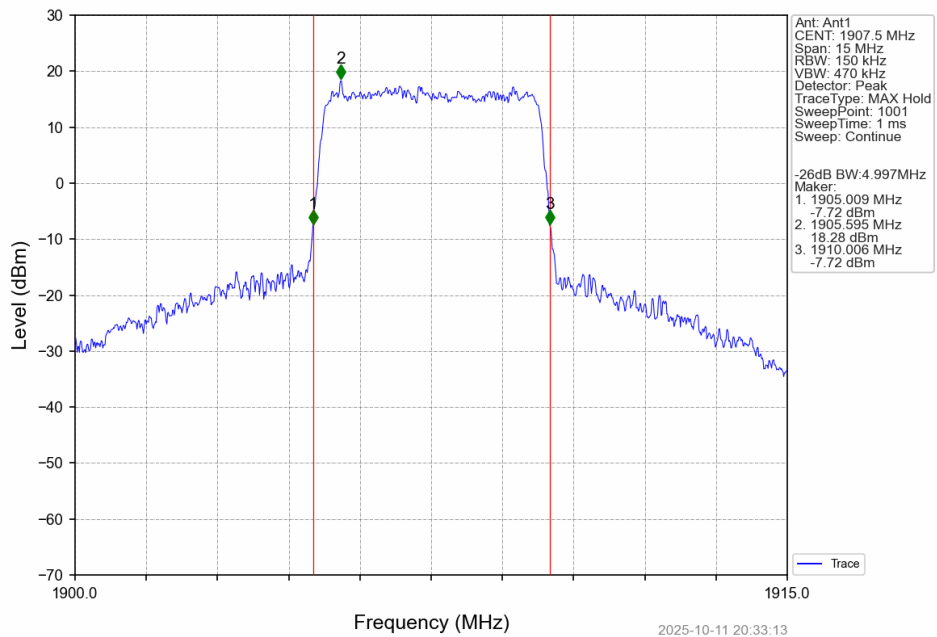
Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



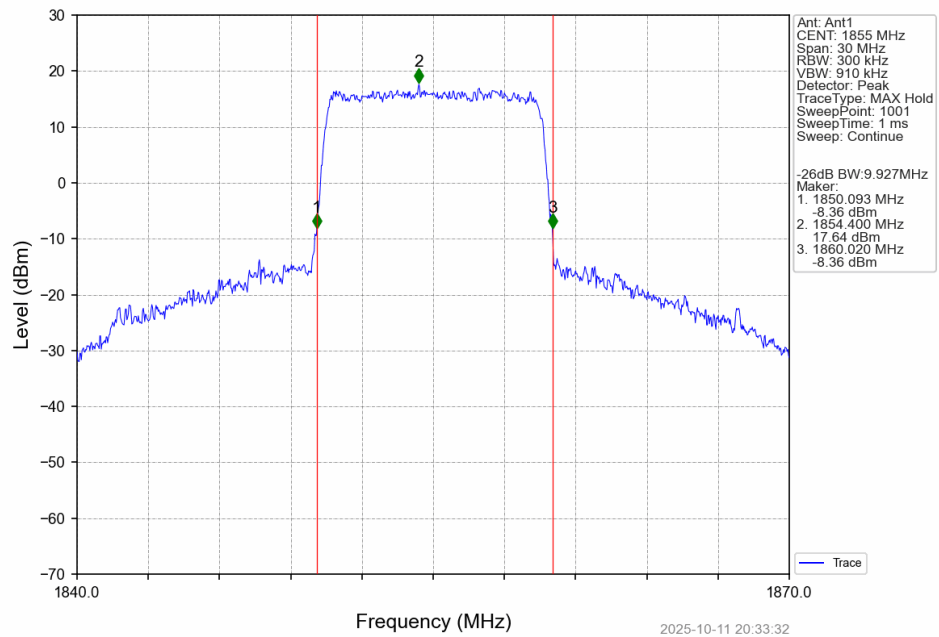
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



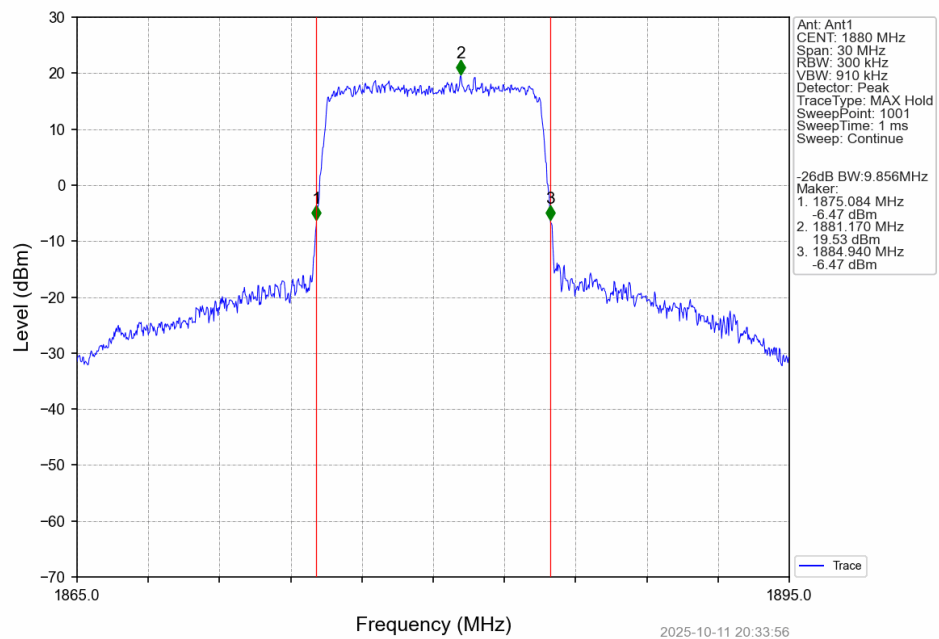
Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV



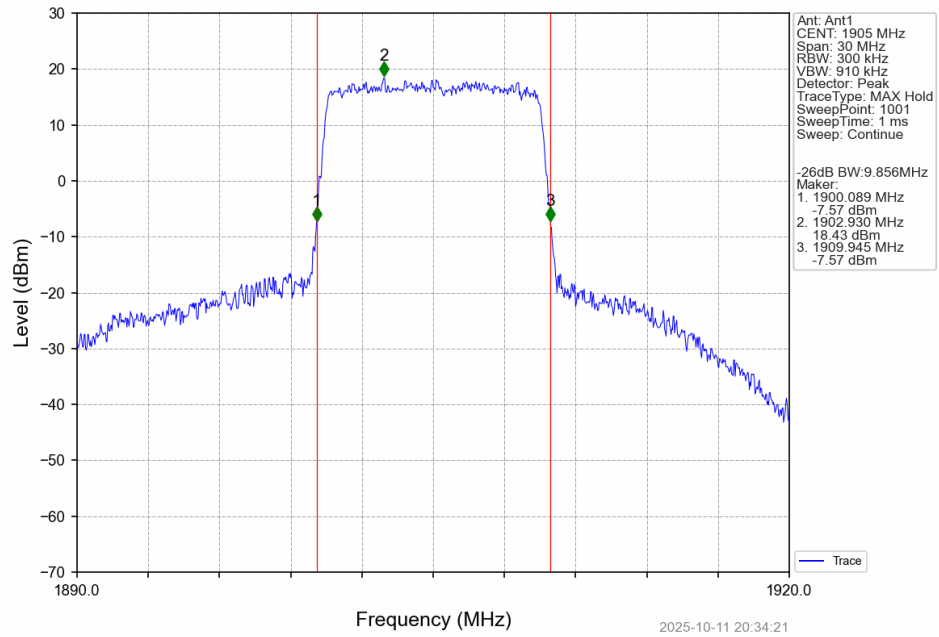
Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



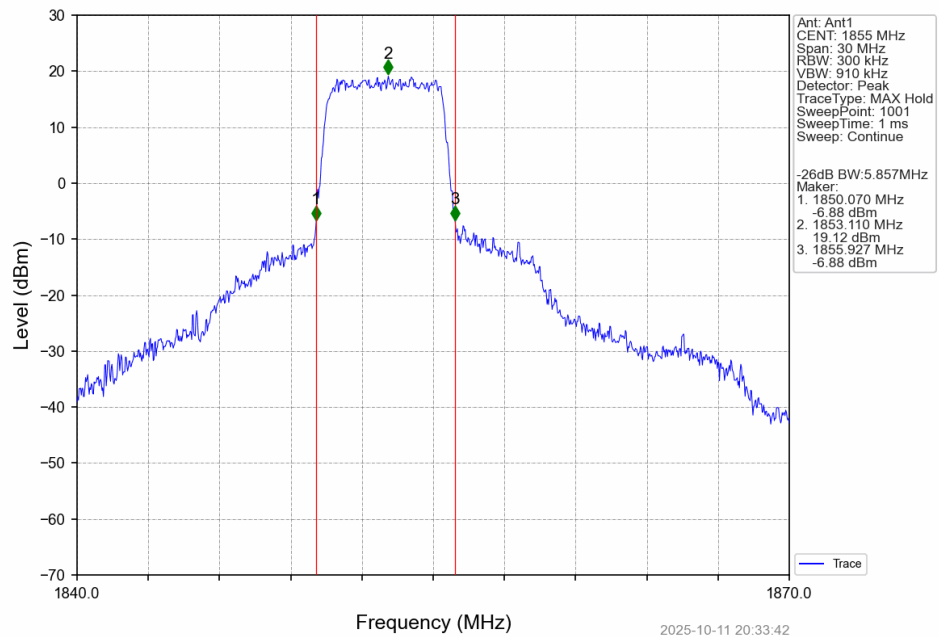
Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



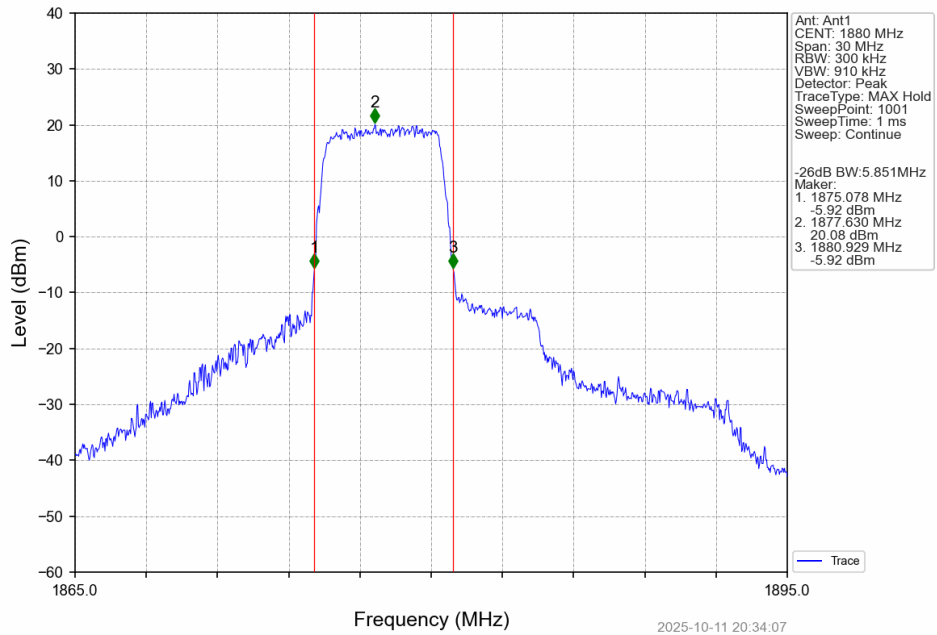
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



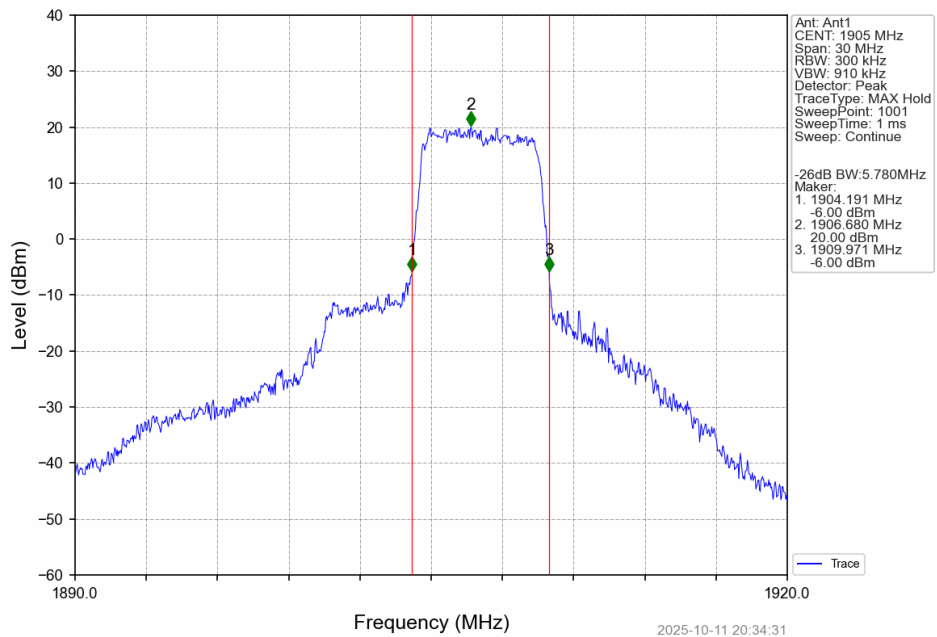
Band2_10MHz_16QAM_LCH_1855MHz_RB_27_0_NTNV



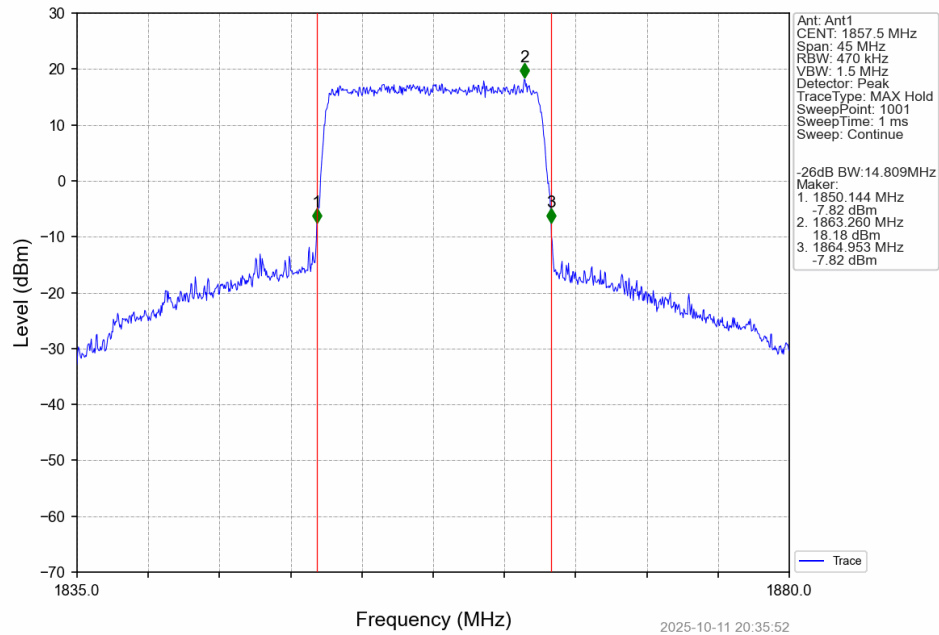
Band2_10MHz_16QAM_MCH_1880MHz_RB_27_0_NTNV



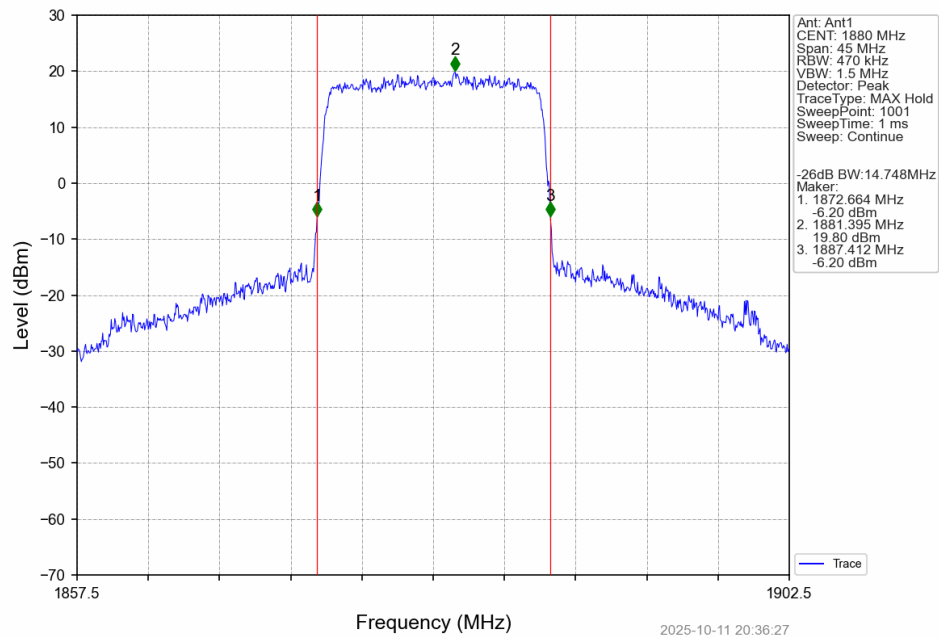
Band2_10MHz_16QAM_HCH_1905MHz_RB_27_23_NTNV



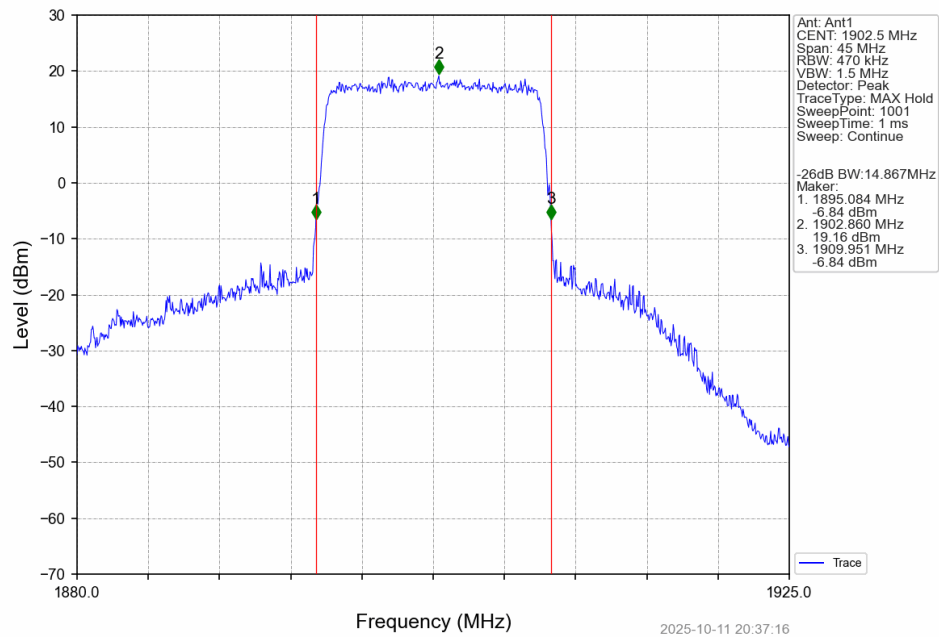
Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



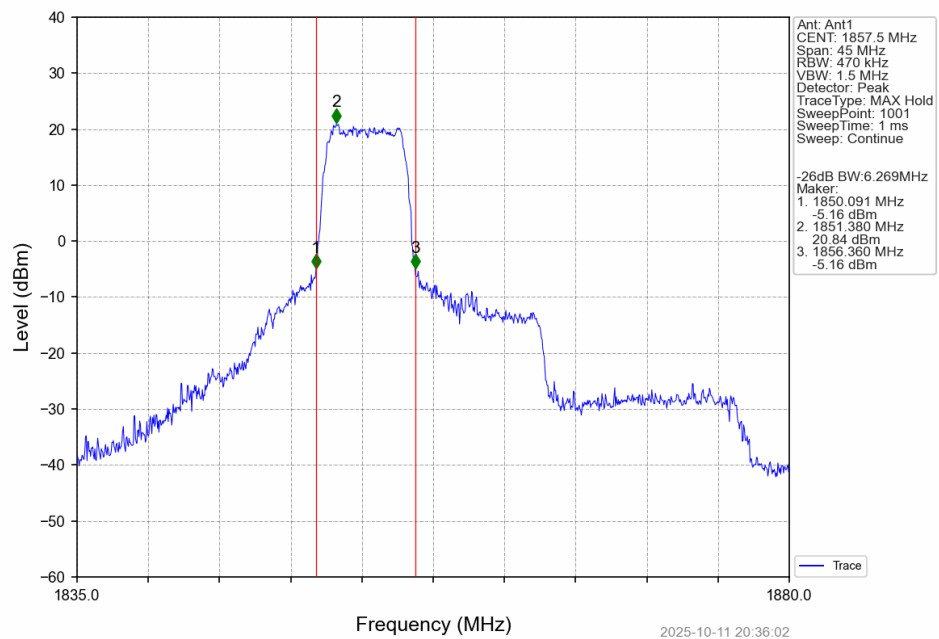
Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



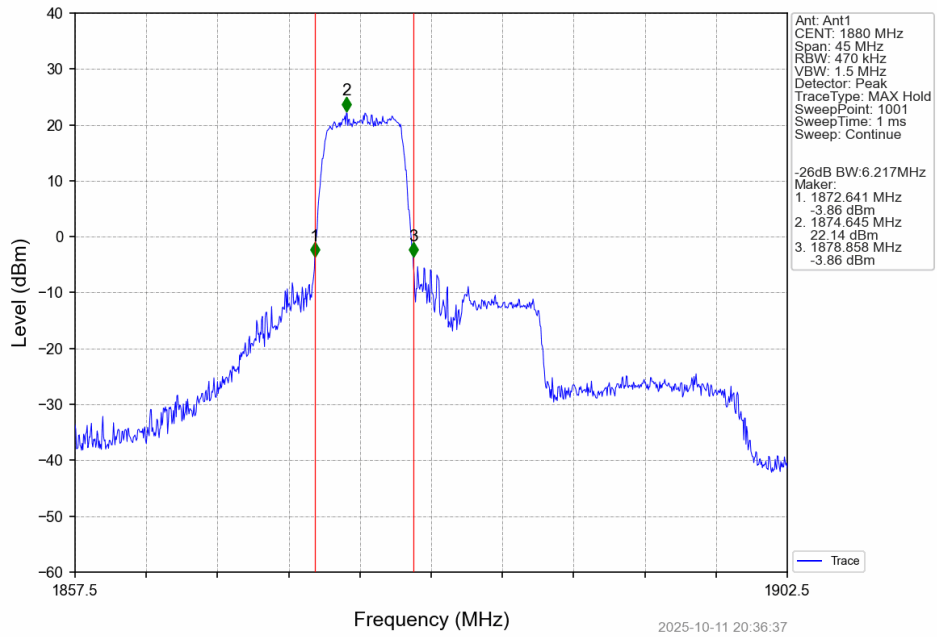
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



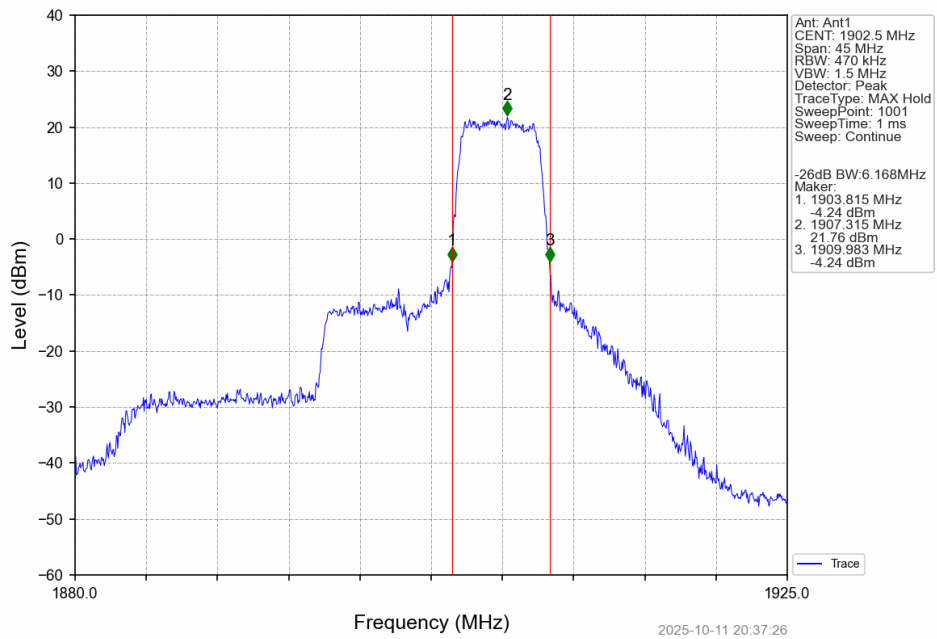
Band2_15MHz_16QAM_LCH_1857.5MHz_RB_27_0_NTNV



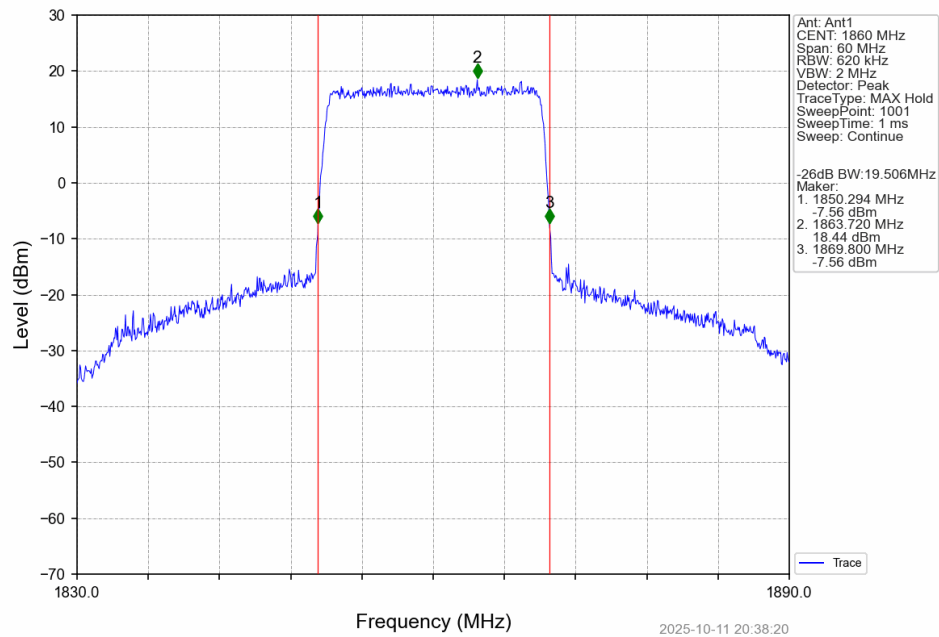
Band2_15MHz_16QAM_MCH_1880MHz_RB_27_0_NTNV



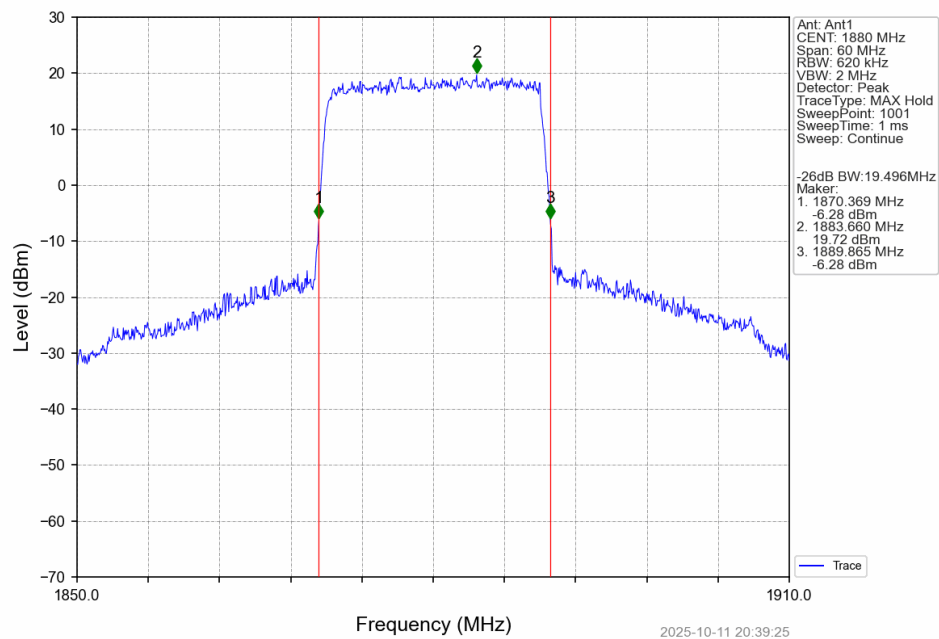
Band2_15MHz_16QAM_HCH_1902.5MHz_RB_27_48_NTNV



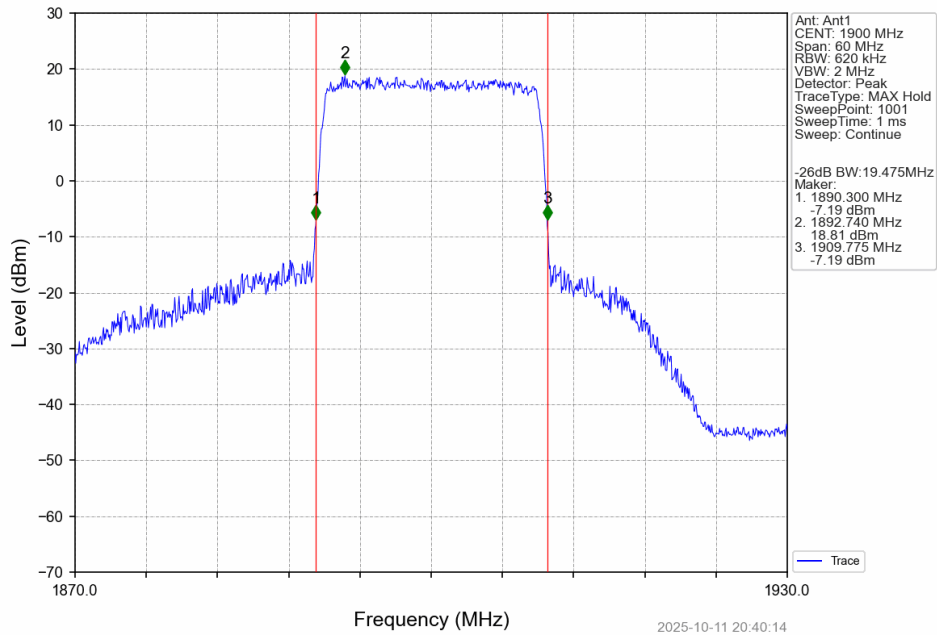
Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



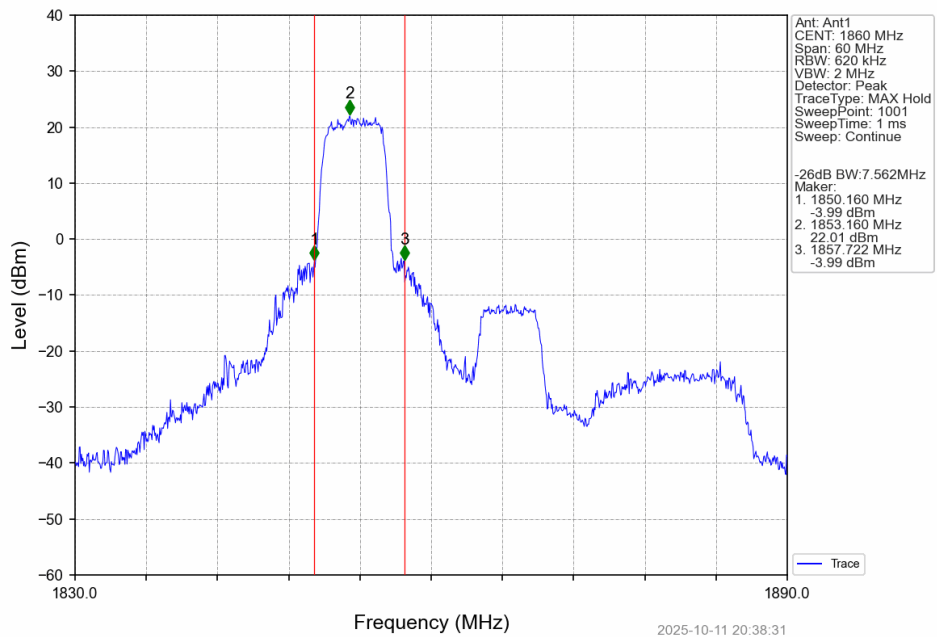
Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV



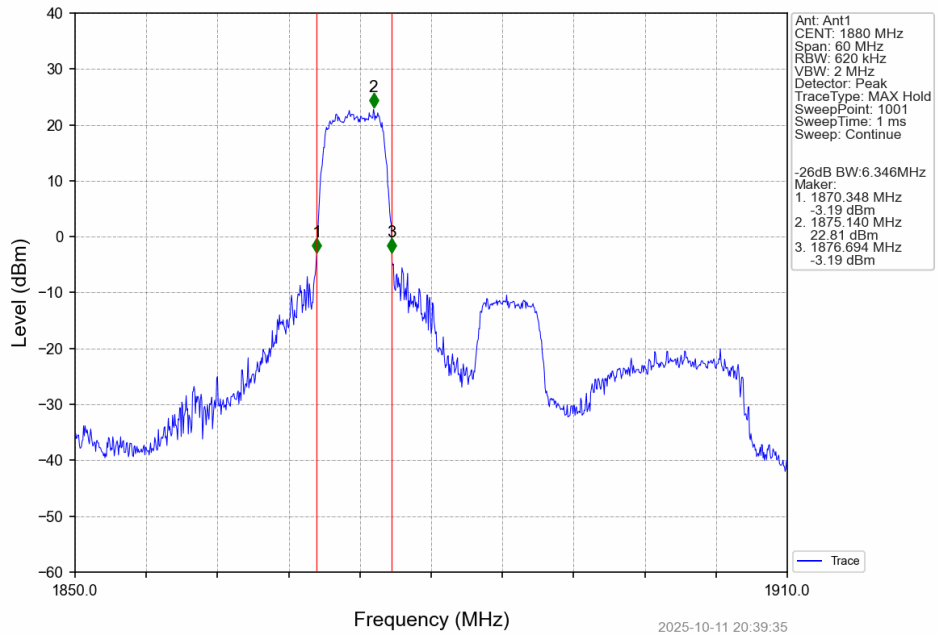
Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



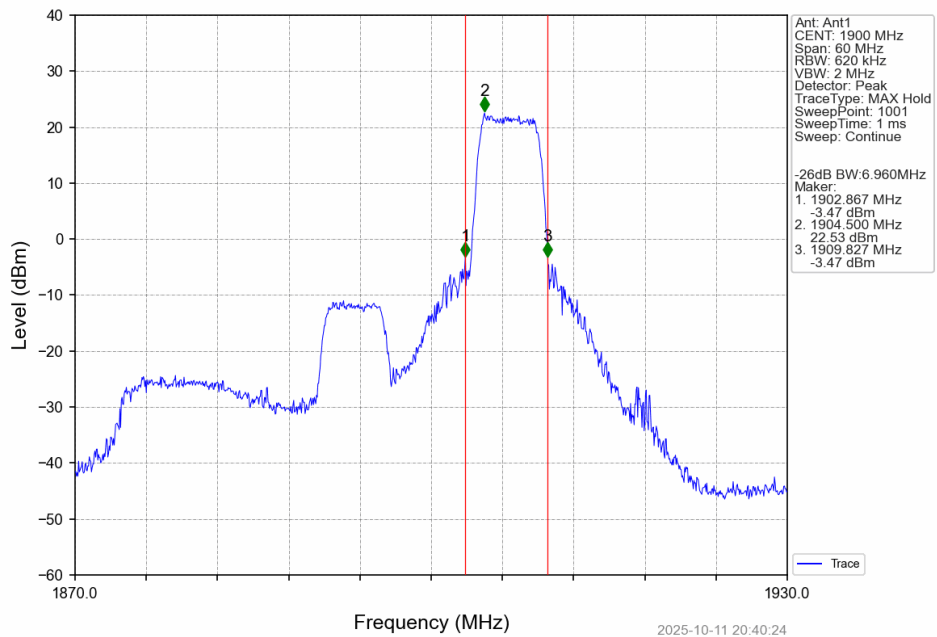
Band2_20MHz_16QAM_LCH_1860MHz_RB_27_0_NTNV



Band2_20MHz_16QAM_MCH_1880MHz_RB_27_0_NTNV



Band2_20MHz_16QAM_HCH_1900MHz_RB_27_73_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	3.63	<=13	Pass
	1880	6	0	4.60	<=13	Pass
	1909.3	6	0	4.70	<=13	Pass
16QAM	1850.7	6	0	4.50	<=13	Pass
	1880	6	0	5.39	<=13	Pass
	1909.3	6	0	5.48	<=13	Pass

5.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	4.09	<=13	Pass
	1880	15	0	4.95	<=13	Pass
	1908.5	15	0	4.94	<=13	Pass
16QAM	1851.5	15	0	4.86	<=13	Pass
	1880	15	0	5.63	<=13	Pass
	1908.5	15	0	5.70	<=13	Pass

5.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	4.70	<=13	Pass
	1880	25	0	5.20	<=13	Pass
	1907.5	25	0	5.24	<=13	Pass
16QAM	1852.5	25	0	5.38	<=13	Pass
	1880	25	0	5.88	<=13	Pass
	1907.5	25	0	5.91	<=13	Pass

5.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	4.93	<=13	Pass
	1880	50	0	5.18	<=13	Pass
	1905	50	0	5.17	<=13	Pass
16QAM	1855	27	0	5.08	<=13	Pass
	1880	27	0	5.78	<=13	Pass

	1905	27	23	5.71	<=13	Pass
--	------	----	----	------	------	------

5.1.5 B2_15MHz

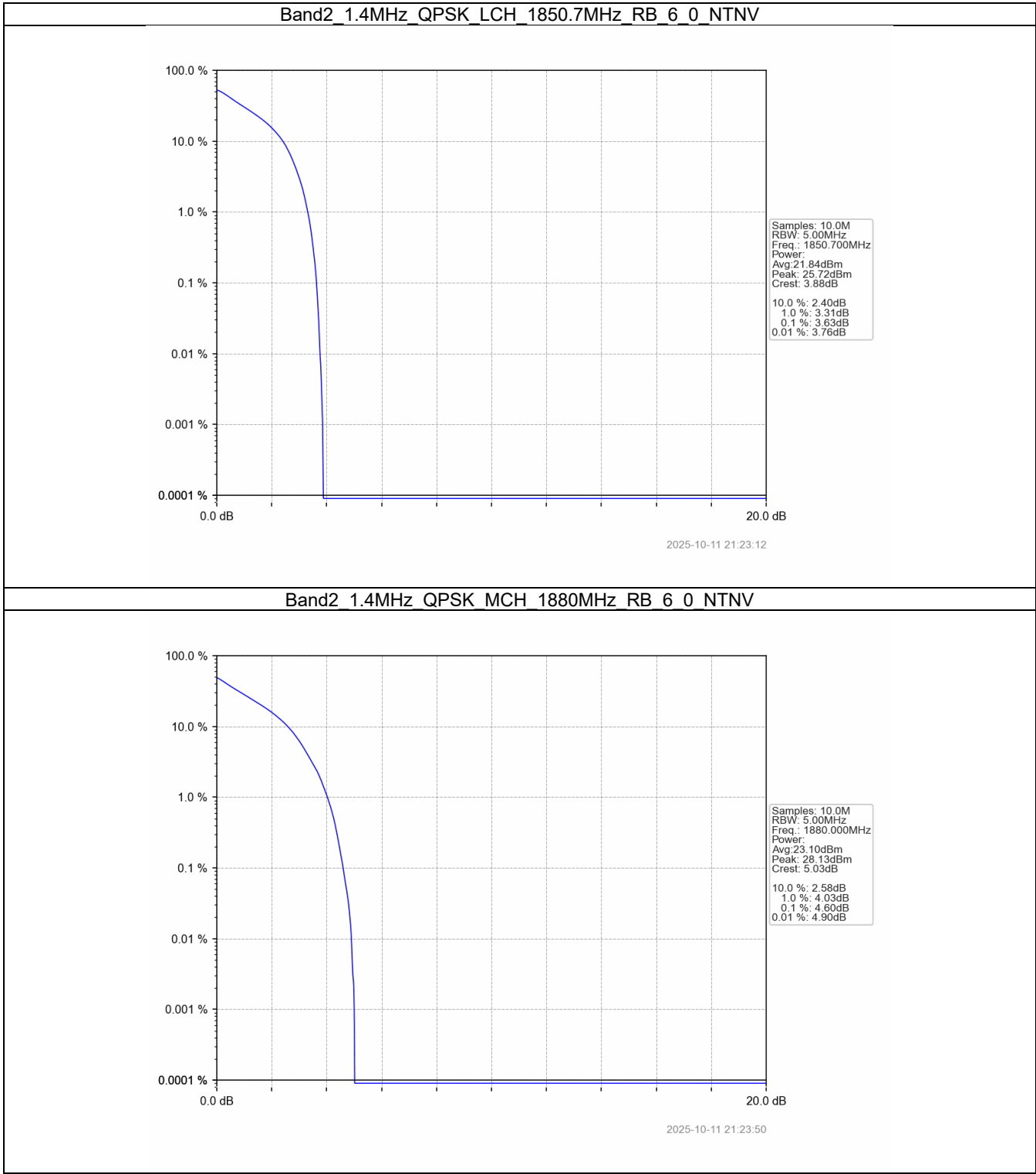
Band: 2 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.32	<=13	Pass
	1880	75	0	5.38	<=13	Pass
	1902.5	75	0	5.45	<=13	Pass
16QAM	1857.5	27	0	4.95	<=13	Pass
	1880	27	0	5.72	<=13	Pass
	1902.5	27	48	5.49	<=13	Pass

5.1.6 B2_20MHz

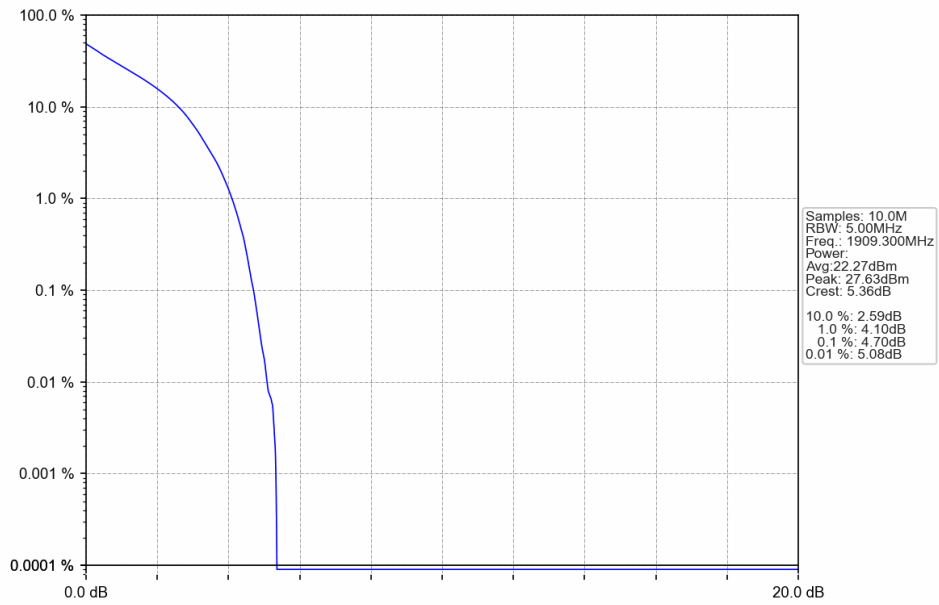
Band: 2 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.22	<=13	Pass
	1880	100	0	5.12	<=13	Pass
	1900	100	0	5.26	<=13	Pass
16QAM	1860	27	0	5.02	<=13	Pass
	1880	27	0	5.87	<=13	Pass
	1900	27	73	5.57	<=13	Pass

5.2 Test Graph

5.2.1 B2_1.4MHz

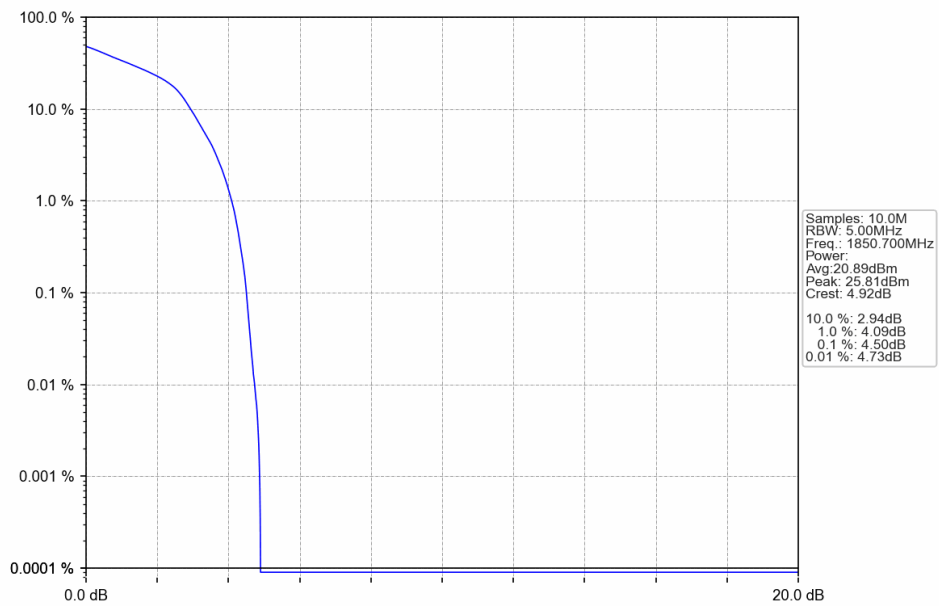


Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



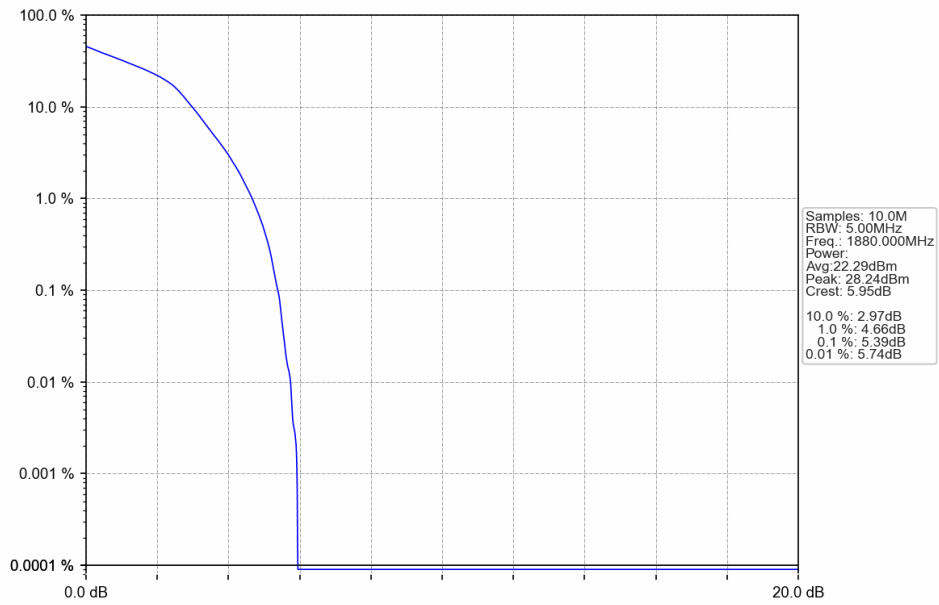
2025-10-11 21:24:33

Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



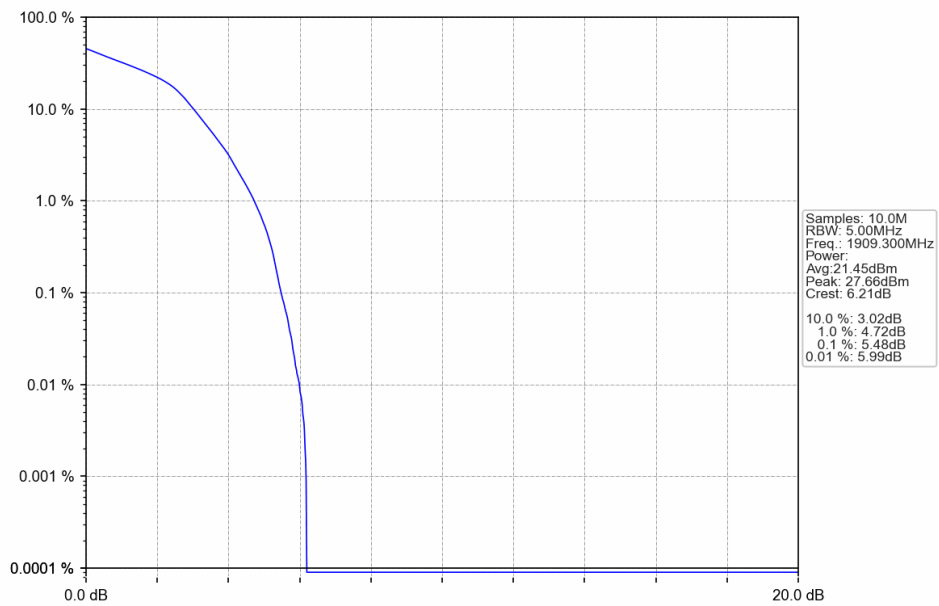
2025-10-11 21:23:29

Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



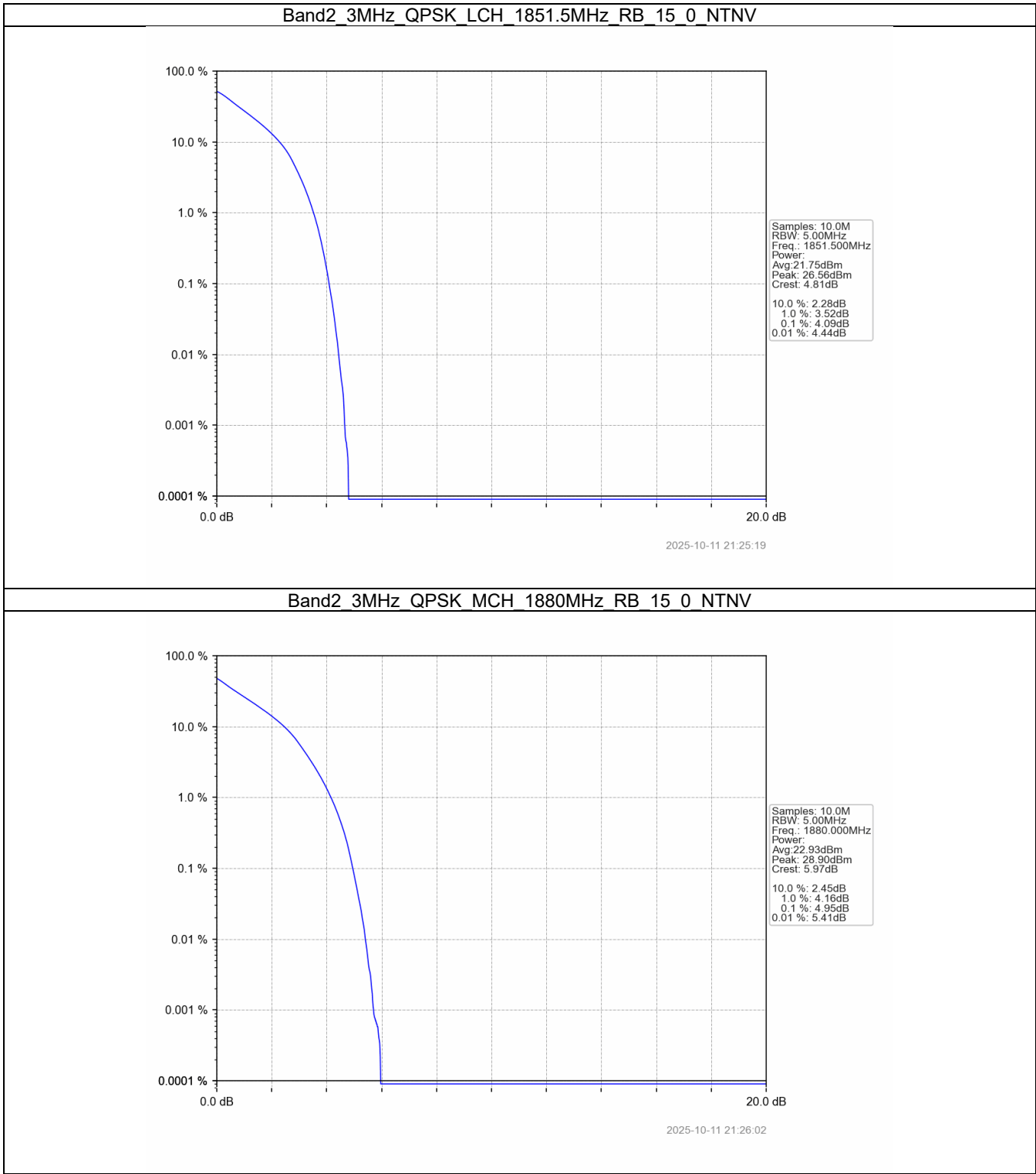
2025-10-11 21:24:10

Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV

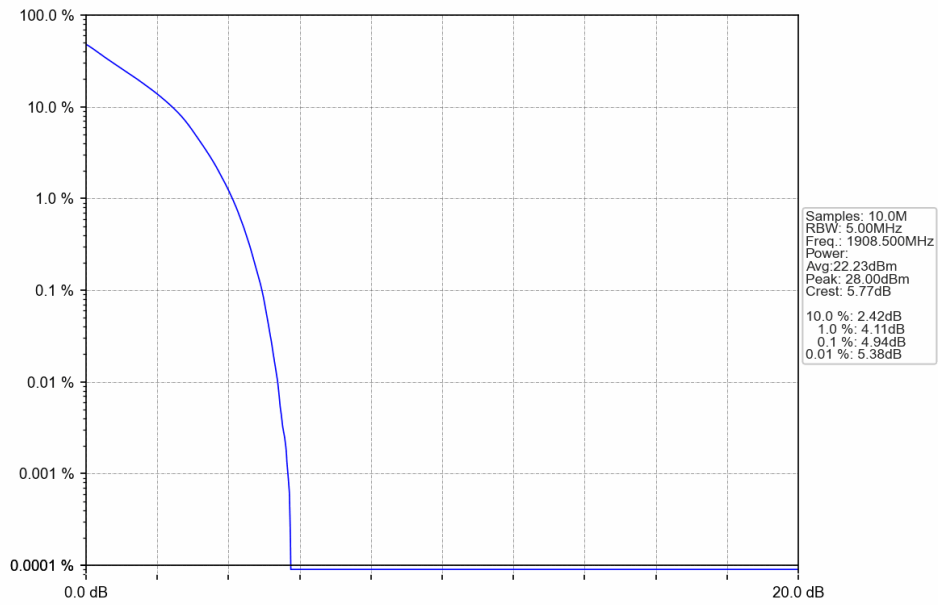


2025-10-11 21:24:54

5.2.2 B2_3MHz

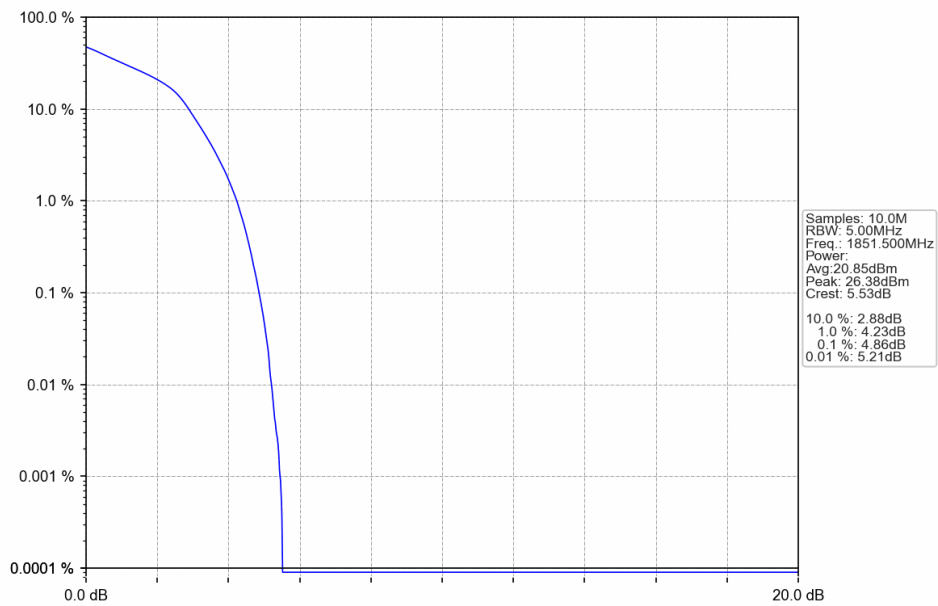


Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



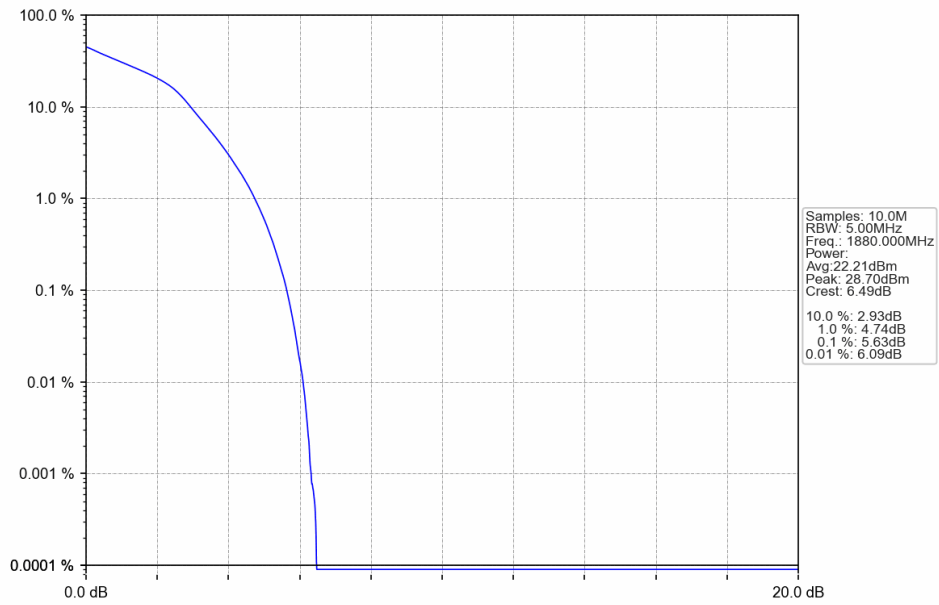
2025-10-11 21:26:48

Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



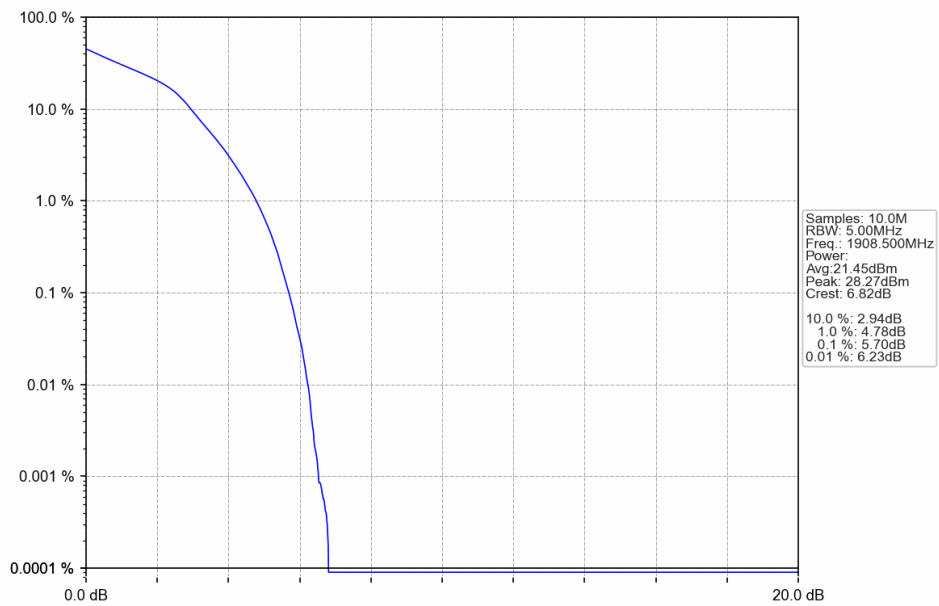
2025-10-11 21:25:38

Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



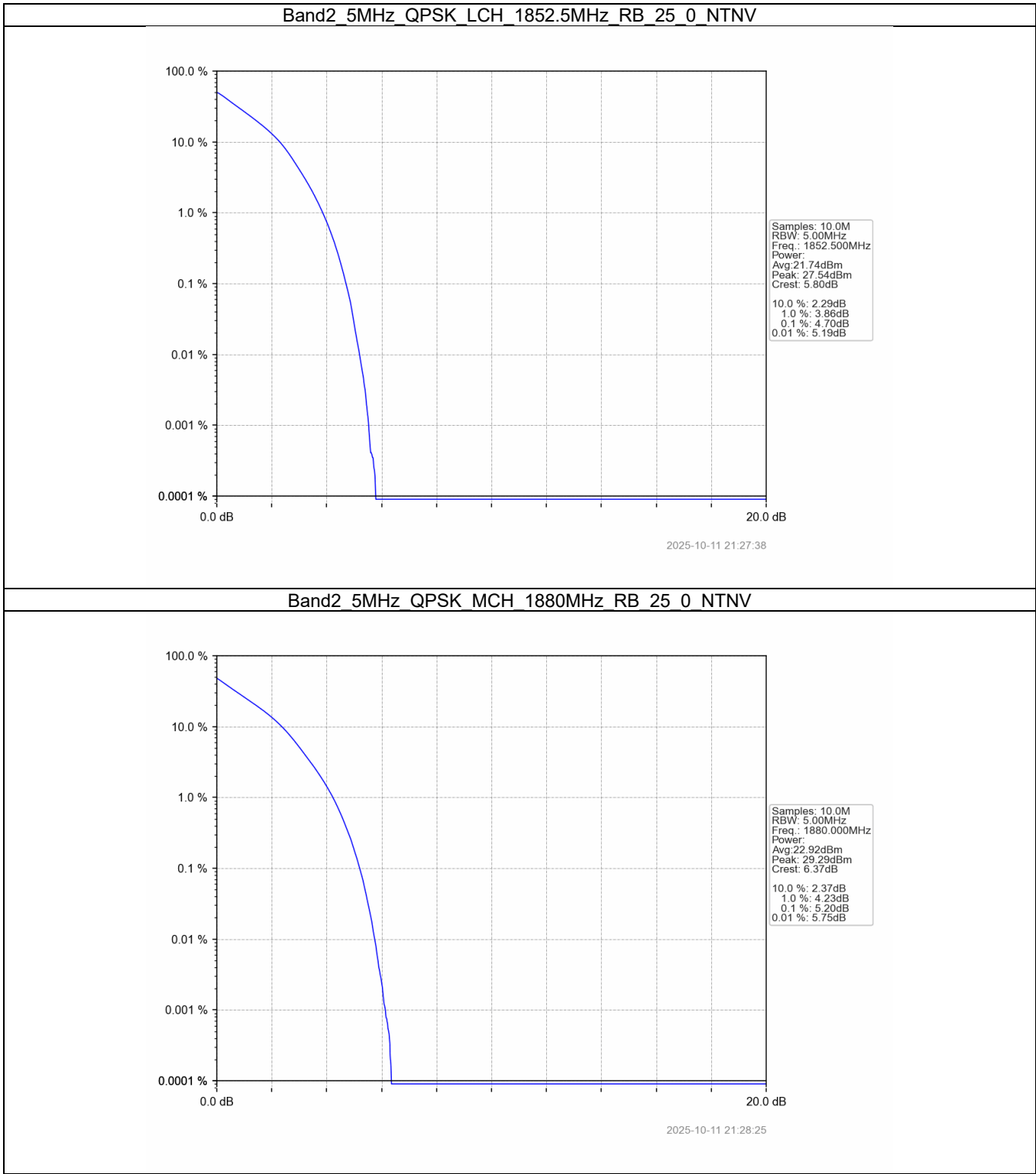
2025-10-11 21:26:24

Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV

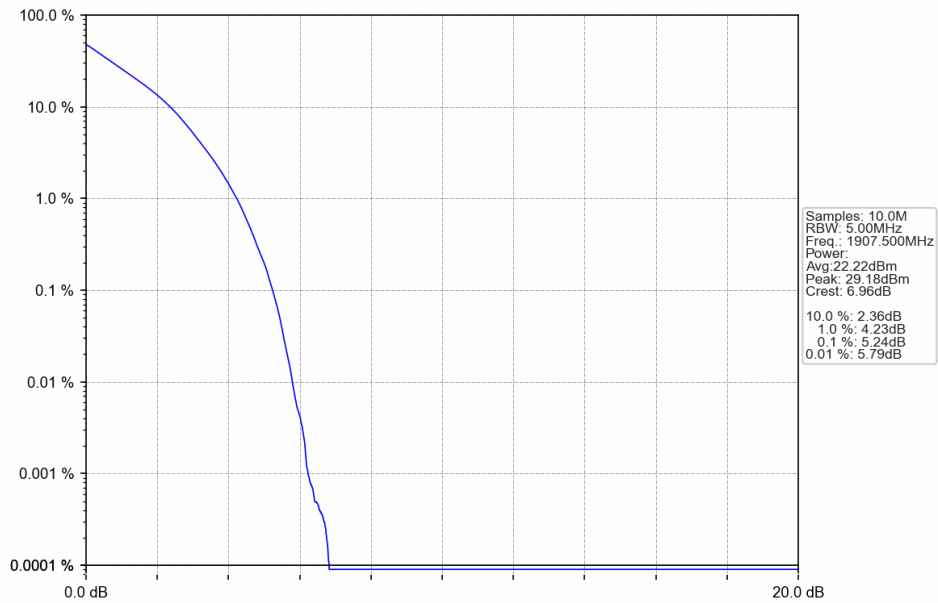


2025-10-11 21:27:11

5.2.3 B2_5MHz

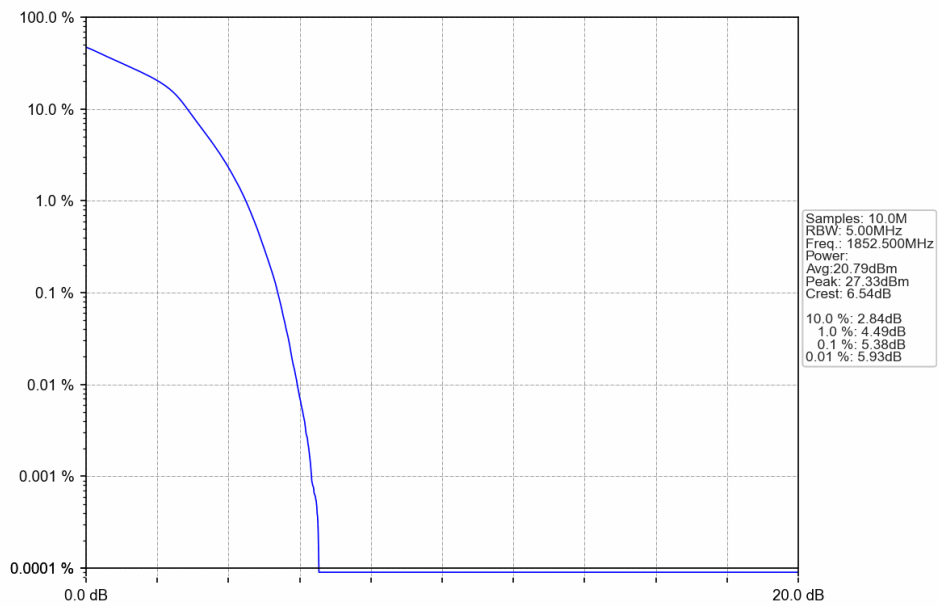


Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



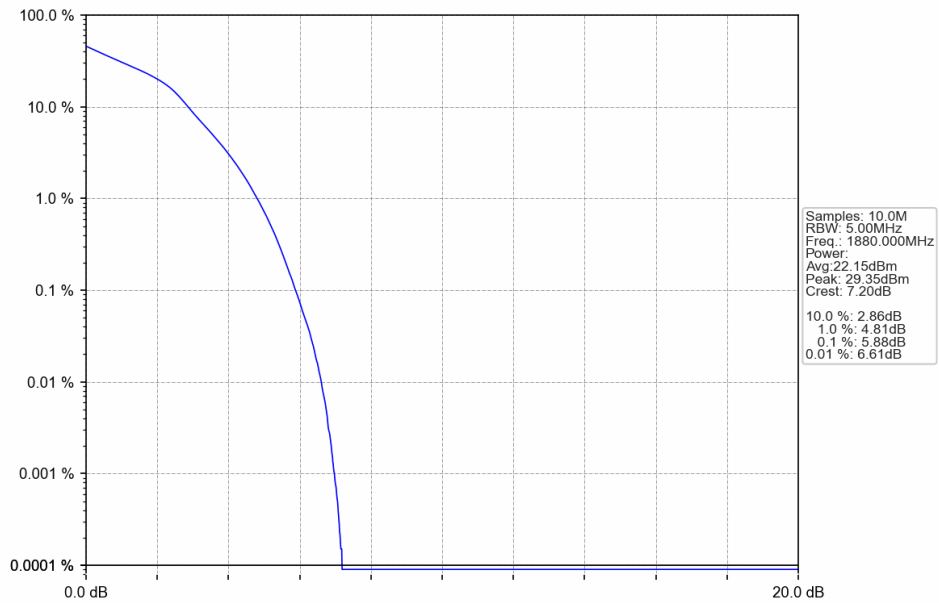
2025-10-11 21:29:17

Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



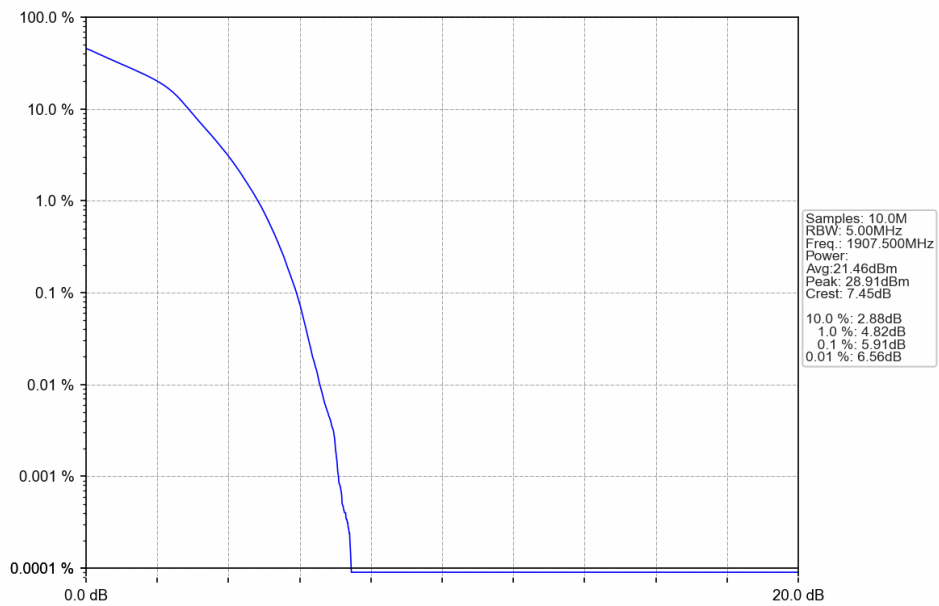
2025-10-11 21:28:00

Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



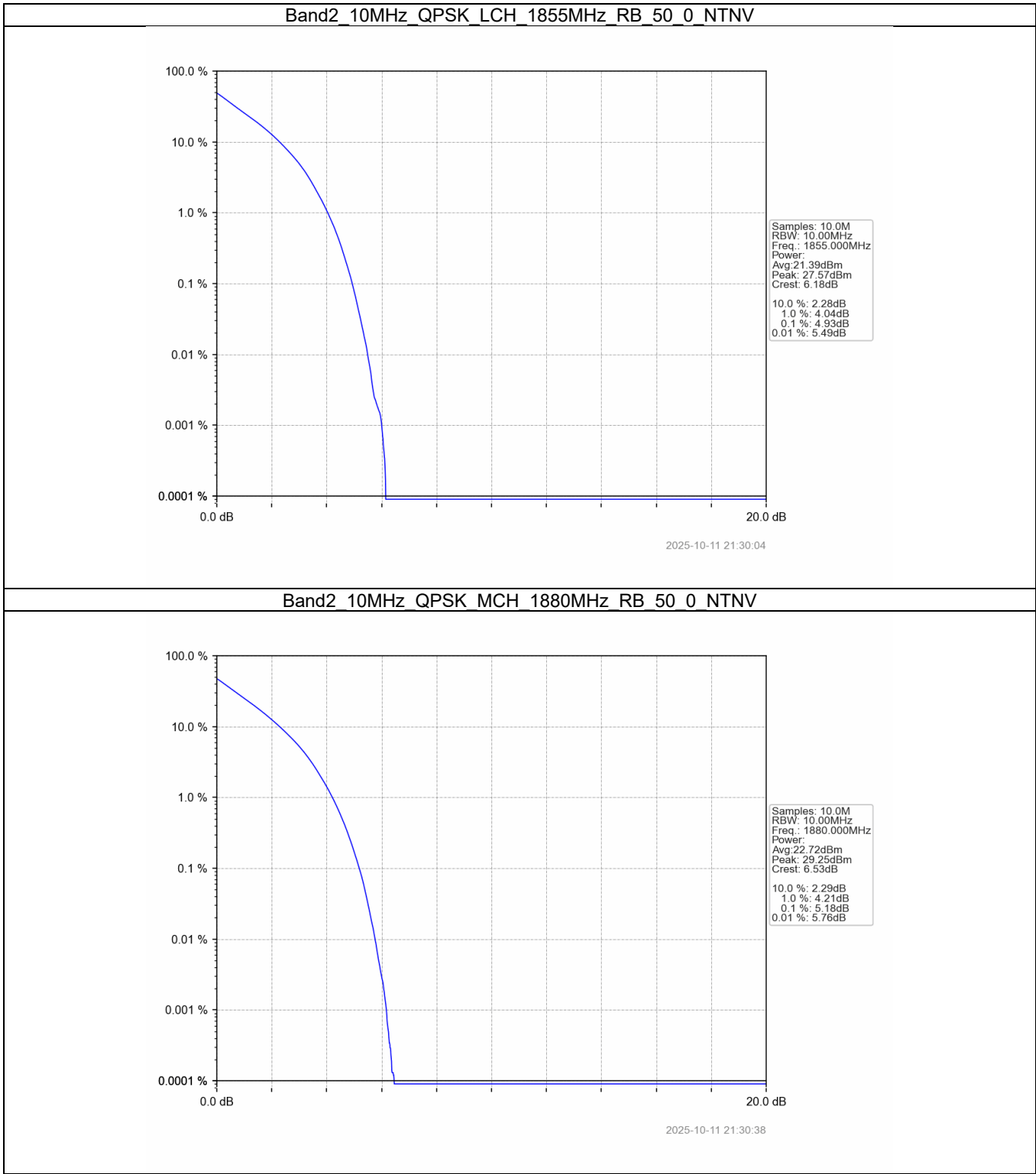
2025-10-11 21:28:49

Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV

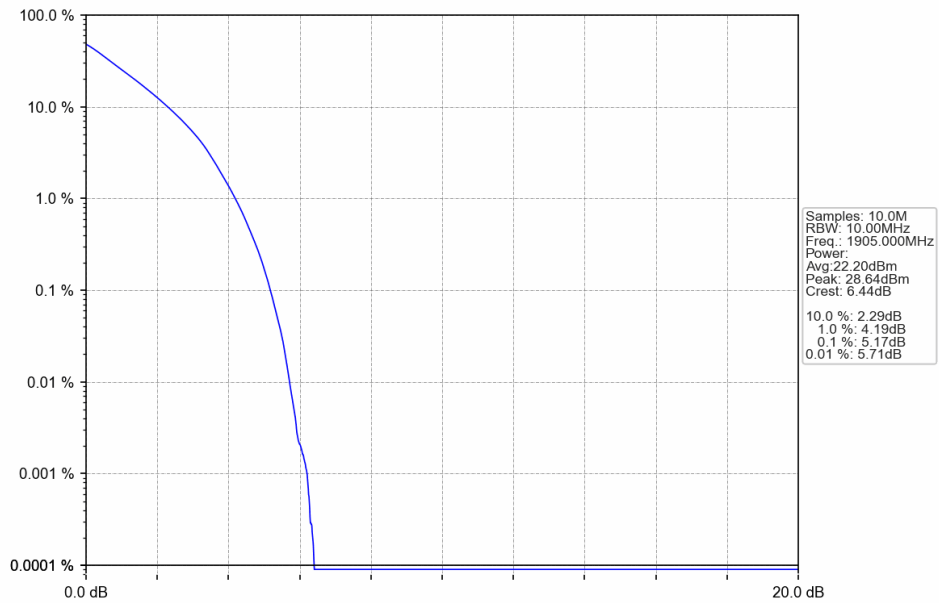


2025-10-11 21:29:42

5.2.4 B2_10MHz

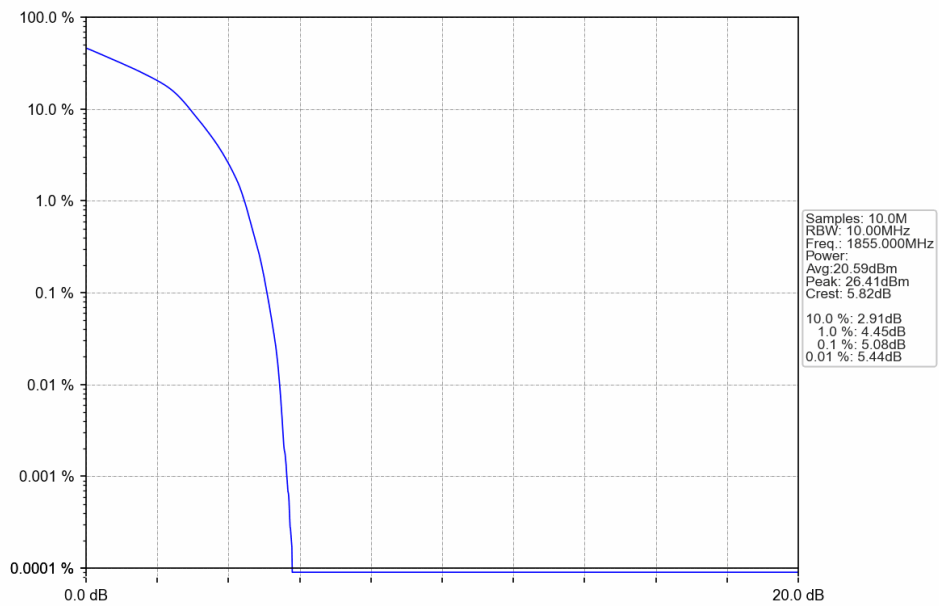


Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



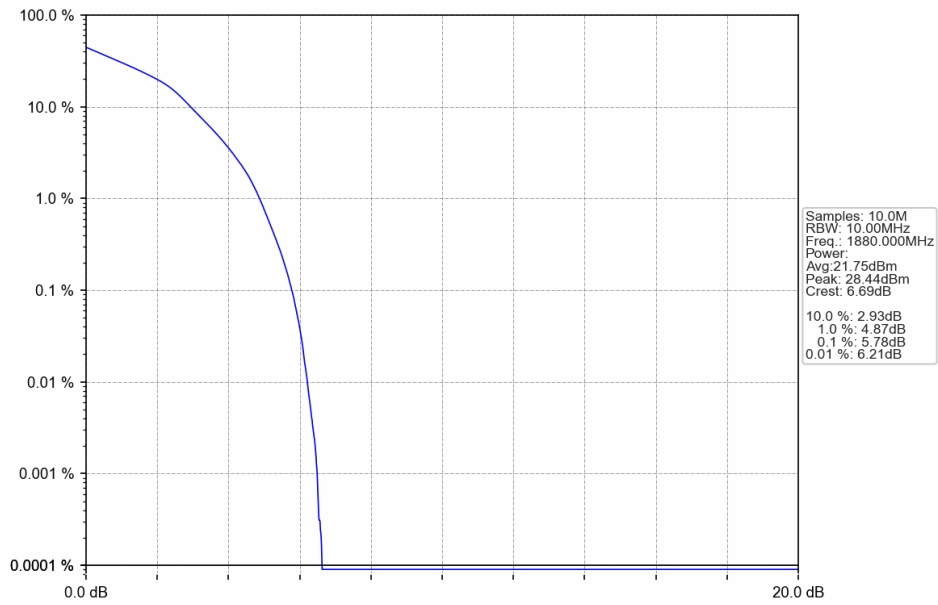
2025-10-11 21:31:14

Band2_10MHz_16QAM_LCH_1855MHz_RB_27_0_NTNV



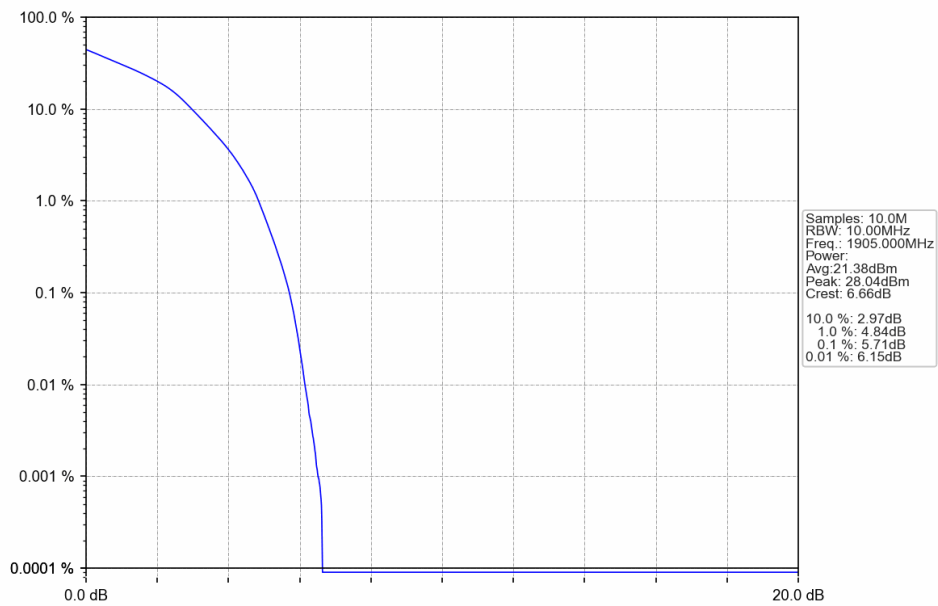
2025-10-11 21:30:18

Band2_10MHz_16QAM_MCH_1880MHz_RB_27_0_NTNV



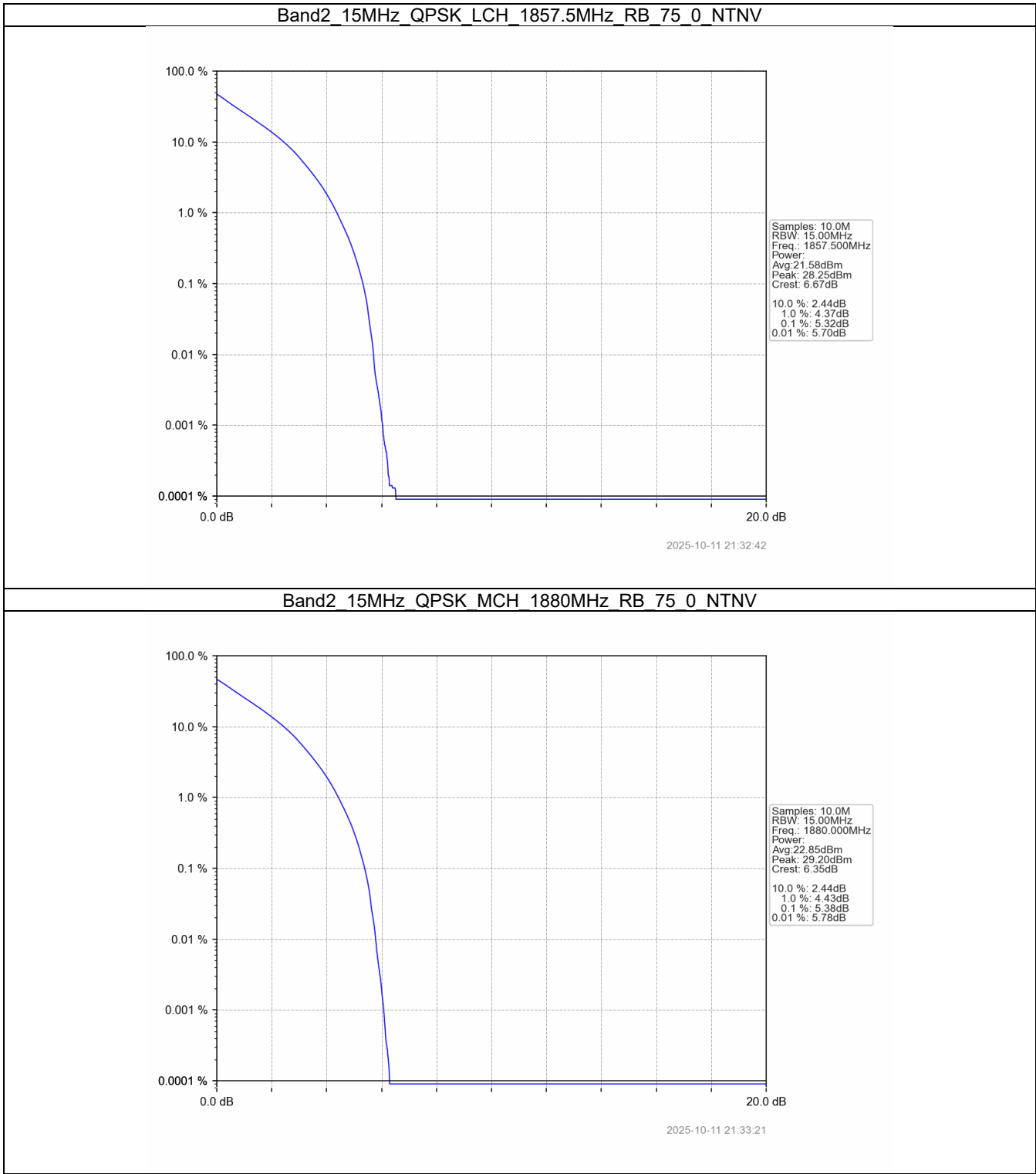
2025-10-11 21:30:54

Band2_10MHz_16QAM_HCH_1905MHz_RB_27_23_NTNV

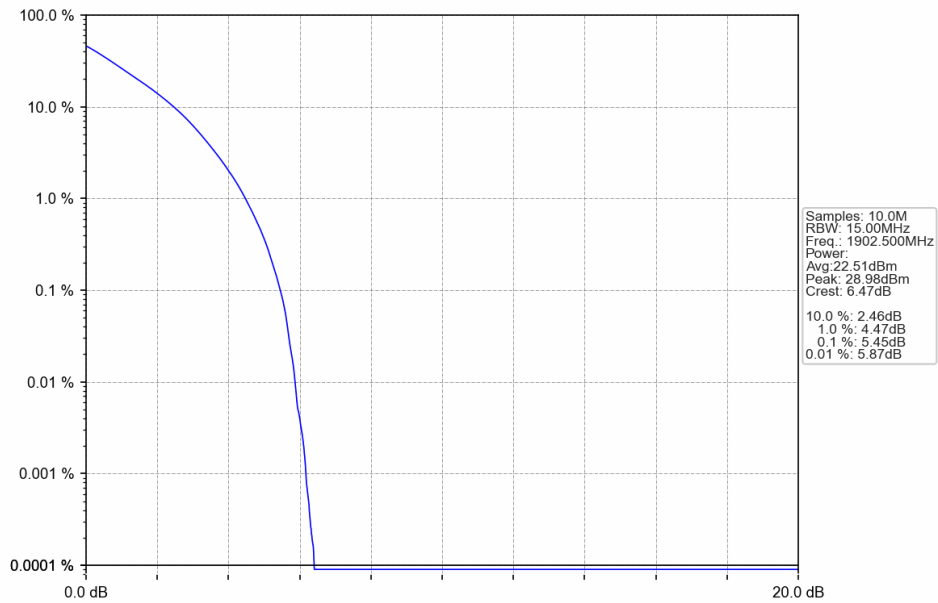


2025-10-11 21:31:29

5.2.5 B2_15MHz

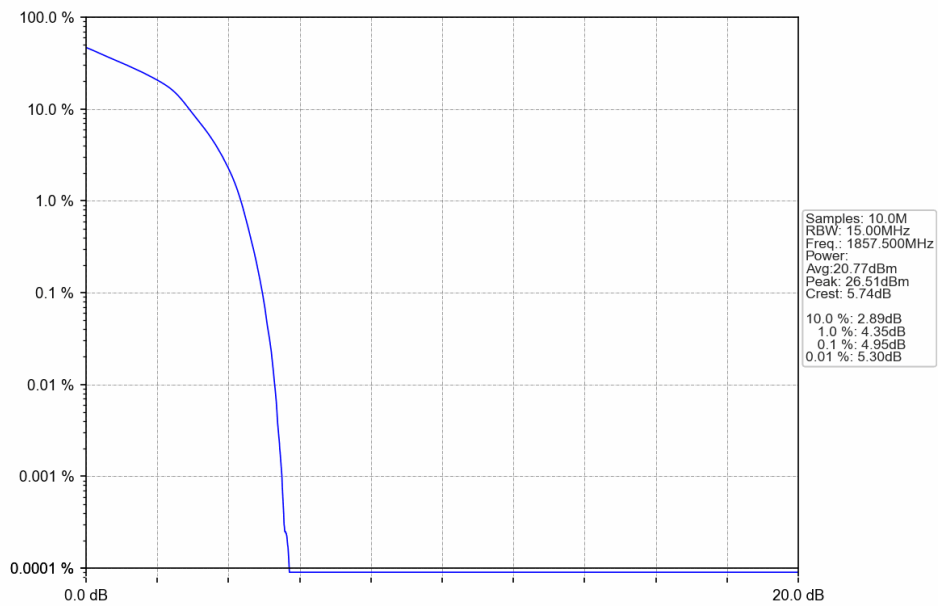


Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



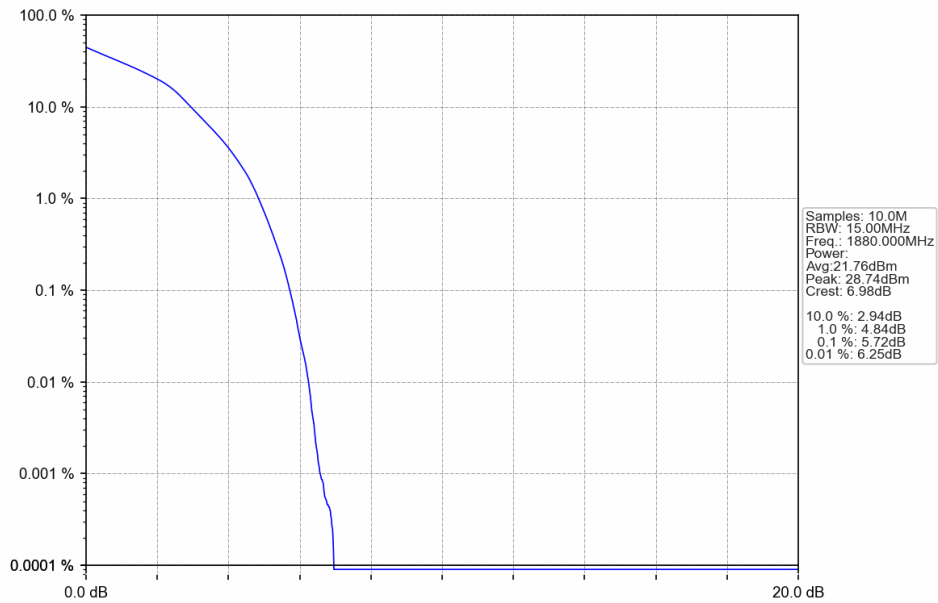
2025-10-11 21:34:31

Band2_15MHz_16QAM_LCH_1857.5MHz_RB_27_0_NTNV



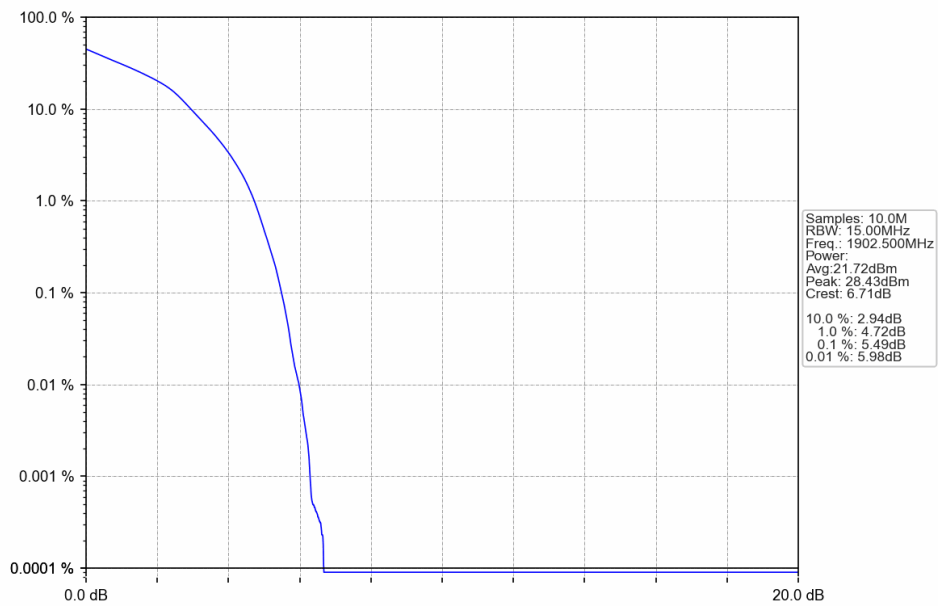
2025-10-11 21:32:55

Band2_15MHz_16QAM_MCH_1880MHz_RB_27_0_NTNV



2025-10-11 21:33:35

Band2_15MHz_16QAM_HCH_1902.5MHz_RB_27_48_NTNV



2025-10-11 21:34:45