

FCC LTE Band Test Data

FCC ID : 2BDNA-GS-THINKNODE

Company: : Shenzhen Elecrow Limited

EUT : ThinkNode LoRaWAN Gateway

Model Number : G1-US915

Reviewed By : 

1. Conducted Power Output Data

1.1 Test Result

1.1.1 B2_1.4MHz

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict	
		Size	Offset		Limit	
QPSK	1850.7	1	0	21.79	<=33.01	Pass
			2	21.72	<=33.01	Pass
			5	21.71	<=33.01	Pass
		3	0	21.60	<=33.01	Pass
			2	21.68	<=33.01	Pass
			3	21.59	<=33.01	Pass
		6	0	21.65	<=33.01	Pass
	1880	1	0	21.85	<=33.01	Pass
			2	21.80	<=33.01	Pass
			5	21.89	<=33.01	Pass
		3	0	21.86	<=33.01	Pass
			2	21.96	<=33.01	Pass
			3	21.93	<=33.01	Pass
		6	0	22.15	<=33.01	Pass
	1909.3	1	0	22.65	<=33.01	Pass
			2	22.59	<=33.01	Pass
			5	22.67	<=33.01	Pass
		3	0	22.64	<=33.01	Pass
			2	22.81	<=33.01	Pass
			3	22.78	<=33.01	Pass
		6	0	22.76	<=33.01	Pass
16QAM	1850.7	1	0	21.58	<=33.01	Pass
			2	21.64	<=33.01	Pass
			5	21.58	<=33.01	Pass
		3	0	21.52	<=33.01	Pass
			2	21.60	<=33.01	Pass
			3	21.56	<=33.01	Pass
		6	0	21.51	<=33.01	Pass
	1880	1	0	22.11	<=33.01	Pass
			2	22.20	<=33.01	Pass
			5	22.17	<=33.01	Pass
		3	0	22.15	<=33.01	Pass
			2	22.35	<=33.01	Pass
			3	22.33	<=33.01	Pass
		6	0	22.51	<=33.01	Pass
	1909.3	1	0	22.86	<=33.01	Pass
			2	22.83	<=33.01	Pass
			5	23.09	<=33.01	Pass
		3	0	23.07	<=33.01	Pass
			2	23.05	<=33.01	Pass
			3	23.14	<=33.01	Pass
		6	0	23.12	<=33.01	Pass

1.1.2 B2_3MHz

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict	
		Size	Offset		Limit	
QPSK	1851.5	1	0	23.26	<=33.01	Pass

16QAM	1880	8	7	23.62	<=33.01	Pass
			14	23.53	<=33.01	Pass
			0	22.75	<=33.01	Pass
			4	22.76	<=33.01	Pass
			7	22.94	<=33.01	Pass
		15	0	22.89	<=33.01	Pass
		1	0	23.97	<=33.01	Pass
			7	24.44	<=33.01	Pass
			14	24.25	<=33.01	Pass
			0	23.21	<=33.01	Pass
			4	23.33	<=33.01	Pass
			7	23.31	<=33.01	Pass
		15	0	23.27	<=33.01	Pass
	1908.5	1	0	24.56	<=33.01	Pass
			7	24.63	<=33.01	Pass
			14	24.39	<=33.01	Pass
		8	0	23.50	<=33.01	Pass
			4	23.55	<=33.01	Pass
			7	23.45	<=33.01	Pass
		15	0	23.44	<=33.01	Pass
	1851.5	1	0	23.06	<=33.01	Pass
			7	23.18	<=33.01	Pass
			14	23.04	<=33.01	Pass
		8	0	21.90	<=33.01	Pass
			4	21.97	<=33.01	Pass
			7	21.94	<=33.01	Pass
		15	0	21.86	<=33.01	Pass
	1880	1	0	22.81	<=33.01	Pass
			7	23.15	<=33.01	Pass
			14	22.98	<=33.01	Pass
		8	0	22.21	<=33.01	Pass
			4	22.36	<=33.01	Pass
			7	22.33	<=33.01	Pass
		15	0	22.30	<=33.01	Pass
	1908.5	1	0	23.33	<=33.01	Pass
			7	23.47	<=33.01	Pass
			14	23.25	<=33.01	Pass
		8	0	22.49	<=33.01	Pass
			4	22.55	<=33.01	Pass
			7	22.47	<=33.01	Pass
		15	0	22.42	<=33.01	Pass

1.1.3 B2_5MHz

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict Limit	
		Size	Offset			
QPSK	1852.5	1	0	22.96	<=33.01	Pass
			13	23.76	<=33.01	Pass
			24	23.66	<=33.01	Pass
		12	0	22.91	<=33.01	Pass
			6	23.00	<=33.01	Pass
			13	22.99	<=33.01	Pass
		25	0	23.14	<=33.01	Pass
	1880	1	0	23.80	<=33.01	Pass
			13	24.22	<=33.01	Pass
			24	23.84	<=33.01	Pass
		12	0	22.93	<=33.01	Pass

		25	6	23.14	<=33.01	Pass
			13	23.06	<=33.01	Pass
			0	23.01	<=33.01	Pass
	1907.5	1	0	23.97	<=33.01	Pass
			13	24.43	<=33.01	Pass
			24	24.03	<=33.01	Pass
		12	0	23.08	<=33.01	Pass
			6	23.31	<=33.01	Pass
			13	23.24	<=33.01	Pass
		25	0	23.16	<=33.01	Pass
16QAM	1852.5	1	0	22.90	<=33.01	Pass
			13	23.27	<=33.01	Pass
			24	22.92	<=33.01	Pass
		12	0	22.03	<=33.01	Pass
			6	22.17	<=33.01	Pass
			13	22.07	<=33.01	Pass
		25	0	22.03	<=33.01	Pass
	1880	1	0	22.85	<=33.01	Pass
			13	23.33	<=33.01	Pass
			24	22.97	<=33.01	Pass
		12	0	21.96	<=33.01	Pass
			6	22.18	<=33.01	Pass
			13	22.10	<=33.01	Pass
		25	0	22.08	<=33.01	Pass
	1907.5	1	0	22.96	<=33.01	Pass
			13	23.51	<=33.01	Pass
			24	23.14	<=33.01	Pass
		12	0	22.04	<=33.01	Pass
			6	22.28	<=33.01	Pass
			13	22.23	<=33.01	Pass
		25	0	22.20	<=33.01	Pass

1.1.4 B2_10MHz

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict	
		Size	Offset		Limit	
QPSK	1855	1	0	22.20	<=33.01	Pass
			25	22.77	<=33.01	Pass
			49	22.33	<=33.01	Pass
		25	0	21.37	<=33.01	Pass
			13	21.57	<=33.01	Pass
			25	21.54	<=33.01	Pass
		50	0	21.56	<=33.01	Pass
	1880	1	0	23.27	<=33.01	Pass
			25	23.83	<=33.01	Pass
			49	23.85	<=33.01	Pass
		25	0	22.80	<=33.01	Pass
			13	22.91	<=33.01	Pass
			25	23.03	<=33.01	Pass
		50	0	22.93	<=33.01	Pass
	1905	1	0	23.54	<=33.01	Pass
			25	24.65	<=33.01	Pass
			49	24.56	<=33.01	Pass
		25	0	22.94	<=33.01	Pass
			13	23.31	<=33.01	Pass
			25	23.56	<=33.01	Pass
		50	0	23.23	<=33.01	Pass

16QAM	1855	1	0	21.41	<=33.01	Pass
			25	22.20	<=33.01	Pass
			49	21.79	<=33.01	Pass
		12	0	21.85	<=33.01	Pass
			19	22.28	<=33.01	Pass
			38	22.29	<=33.01	Pass
		27	0	21.48	<=33.01	Pass
	1880	1	0	22.86	<=33.01	Pass
			25	23.49	<=33.01	Pass
			49	23.22	<=33.01	Pass
		12	0	23.11	<=33.01	Pass
			19	23.29	<=33.01	Pass
			38	23.20	<=33.01	Pass
		27	0	22.16	<=33.01	Pass
	1905	1	0	22.43	<=33.01	Pass
			25	23.14	<=33.01	Pass
			49	23.12	<=33.01	Pass
		12	0	22.74	<=33.01	Pass
			19	23.25	<=33.01	Pass
			38	23.48	<=33.01	Pass
		27	23	22.41	<=33.01	Pass

1.1.5 B2_15MHz

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict Limit	
		Size	Offset			
QPSK	1857.5	1	0	22.40	<=33.01	Pass
			38	22.41	<=33.01	Pass
			74	22.28	<=33.01	Pass
		36	0	22.24	<=33.01	Pass
			18	22.44	<=33.01	Pass
			39	22.48	<=33.01	Pass
		75	0	22.64	<=33.01	Pass
	1880	1	0	23.00	<=33.01	Pass
			38	23.41	<=33.01	Pass
			74	23.72	<=33.01	Pass
		36	0	22.29	<=33.01	Pass
			18	22.46	<=33.01	Pass
			39	22.77	<=33.01	Pass
		75	0	22.69	<=33.01	Pass
	1902.5	1	0	23.21	<=33.01	Pass
			38	23.13	<=33.01	Pass
			74	23.83	<=33.01	Pass
		36	0	22.48	<=33.01	Pass
			18	22.45	<=33.01	Pass
			39	22.92	<=33.01	Pass
		75	0	22.68	<=33.01	Pass
16QAM	1857.5	1	0	22.86	<=33.01	Pass
			38	22.92	<=33.01	Pass
			74	23.00	<=33.01	Pass
		12	0	23.16	<=33.01	Pass
			31	23.22	<=33.01	Pass
			63	23.40	<=33.01	Pass
		27	0	23.46	<=33.01	Pass
	1880	1	0	22.77	<=33.01	Pass
			38	23.08	<=33.01	Pass
			74	23.30	<=33.01	Pass

		12	0	22.81	<=33.01	Pass
			31	22.97	<=33.01	Pass
			63	23.38	<=33.01	Pass
	1902.5	27	0	22.03	<=33.01	Pass
		1	0	22.70	<=33.01	Pass
			38	22.58	<=33.01	Pass
			74	23.29	<=33.01	Pass
		12	0	22.89	<=33.01	Pass
			31	22.67	<=33.01	Pass
			63	23.36	<=33.01	Pass
		27	48	22.51	<=33.01	Pass

1.1.6 B2_20MHz

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict Limit	
		Size	Offset			
QPSK	1860	1	0	23.41	<=33.01	Pass
			50	23.76	<=33.01	Pass
			99	23.57	<=33.01	Pass
		50	0	22.60	<=33.01	Pass
			25	22.64	<=33.01	Pass
			50	22.66	<=33.01	Pass
		100	0	22.61	<=33.01	Pass
	1880	1	0	23.81	<=33.01	Pass
			50	24.54	<=33.01	Pass
			99	24.62	<=33.01	Pass
		50	0	22.99	<=33.01	Pass
			25	23.07	<=33.01	Pass
			50	23.33	<=33.01	Pass
		100	0	23.08	<=33.01	Pass
	1900	1	0	23.22	<=33.01	Pass
			50	23.40	<=33.01	Pass
			99	23.89	<=33.01	Pass
		50	0	22.54	<=33.01	Pass
			25	22.57	<=33.01	Pass
			50	22.77	<=33.01	Pass
		100	0	22.93	<=33.01	Pass
16QAM	1860	1	0	22.64	<=33.01	Pass
			50	23.03	<=33.01	Pass
			99	22.85	<=33.01	Pass
		12	0	22.60	<=33.01	Pass
			44	22.71	<=33.01	Pass
			88	22.76	<=33.01	Pass
		27	0	21.53	<=33.01	Pass
	1880	1	0	22.64	<=33.01	Pass
			50	23.27	<=33.01	Pass
			99	23.49	<=33.01	Pass
		12	0	22.80	<=33.01	Pass
			44	23.05	<=33.01	Pass
			88	23.52	<=33.01	Pass
		27	0	21.76	<=33.01	Pass
	1900	1	0	22.94	<=33.01	Pass
			50	23.08	<=33.01	Pass
			99	23.53	<=33.01	Pass
		12	0	23.24	<=33.01	Pass
			44	23.04	<=33.01	Pass
			88	23.61	<=33.01	Pass
		27	73	22.33	<=33.01	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	1.731	0.0009	-2.5 to 2.5	Pass
					3.85	2.403	0.0013	-2.5 to 2.5	Pass
					4.43	2.160	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	2.518	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.646	0.0014	-2.5 to 2.5	Pass
				10	3.85	3.104	0.0017	-2.5 to 2.5	Pass
				30	3.85	1.473	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.502	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.944	0.0005	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	2.260	0.0012	-2.5 to 2.5	Pass
					3.85	0.458	0.0002	-2.5 to 2.5	Pass
					4.43	1.359	0.0007	-2.5 to 2.5	Pass
				-30	3.85	2.589	0.0014	-2.5 to 2.5	Pass
				-20	3.85	3.705	0.0020	-2.5 to 2.5	Pass
				-10	3.85	3.633	0.0019	-2.5 to 2.5	Pass
				0	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				10	3.85	3.419	0.0018	-2.5 to 2.5	Pass
				30	3.85	3.462	0.0018	-2.5 to 2.5	Pass
				40	3.85	2.861	0.0015	-2.5 to 2.5	Pass
				50	3.85	5.107	0.0027	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	3.076	0.0016	-2.5 to 2.5	Pass
					3.85	2.775	0.0015	-2.5 to 2.5	Pass
					4.43	2.804	0.0015	-2.5 to 2.5	Pass
				-30	3.85	1.960	0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.633	0.0019	-2.5 to 2.5	Pass
				-10	3.85	2.689	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.561	0.0013	-2.5 to 2.5	Pass
				10	3.85	4.392	0.0023	-2.5 to 2.5	Pass
				30	3.85	2.375	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.860	0.0010	-2.5 to 2.5	Pass
				50	3.85	0.830	0.0004	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	2.789	0.0015	-2.5 to 2.5	Pass
					3.85	2.575	0.0014	-2.5 to 2.5	Pass
					4.43	2.604	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.316	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.345	0.0007	-2.5 to 2.5	Pass
				0	3.85	3.276	0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				30	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				50	3.85	1.602	0.0009	-2.5 to 2.5	Pass
	1880	6	0	20	3.27	0.587	0.0003	-2.5 to 2.5	Pass
					3.85	2.632	0.0014	-2.5 to 2.5	Pass
					4.43	1.087	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.815	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.130	-0.0006	-2.5 to 2.5	Pass

				-10	3.85	-1.545	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				30	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				40	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.744	0.0004	-2.5 to 2.5	Pass
	1909.3	6	0	20	3.27	0.143	0.0001	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.215	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.960	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.202	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.216	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				30	3.85	3.076	0.0016	-2.5 to 2.5	Pass
				40	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				50	3.85	2.532	0.0013	-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	4.191	0.0023	-2.5 to 2.5	Pass
					3.85	3.591	0.0019	-2.5 to 2.5	Pass
					4.43	2.375	0.0013	-2.5 to 2.5	Pass
				-30	3.85	3.161	0.0017	-2.5 to 2.5	Pass
				-20	3.85	1.388	0.0007	-2.5 to 2.5	Pass
				-10	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.718	0.0015	-2.5 to 2.5	Pass
				30	3.85	1.931	0.0010	-2.5 to 2.5	Pass
				40	3.85	2.389	0.0013	-2.5 to 2.5	Pass
				50	3.85	2.360	0.0013	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	-0.644	-0.0003	-2.5 to 2.5	Pass
					3.85	2.232	0.0012	-2.5 to 2.5	Pass
					4.43	-0.186	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	2.975	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	2.532	0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.187	-0.0006	-2.5 to 2.5	Pass
				10	3.85	2.317	0.0012	-2.5 to 2.5	Pass
				30	3.85	2.518	0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				50	3.85	0.372	0.0002	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	2.589	0.0014	-2.5 to 2.5	Pass
					3.85	1.903	0.0010	-2.5 to 2.5	Pass
					4.43	-0.129	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-10	3.85	3.290	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.187	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				30	3.85	2.532	0.0013	-2.5 to 2.5	Pass
				40	3.85	0.815	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.658	0.0003	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.27	0.944	0.0005	-2.5 to 2.5	Pass

					3.85	0.014	0.0000	-2.5 to 2.5	Pass
					4.43	-1.001	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.316	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				40	3.85	3.204	0.0017	-2.5 to 2.5	Pass
				50	3.85	1.488	0.0008	-2.5 to 2.5	Pass
	1880	15	0	20	3.27	1.316	0.0007	-2.5 to 2.5	Pass
					3.85	0.644	0.0003	-2.5 to 2.5	Pass
					4.43	0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.503	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.717	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.359	0.0007	-2.5 to 2.5	Pass
				50	3.85	2.317	0.0012	-2.5 to 2.5	Pass
	1908.5	15	0	20	3.27	-2.160	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.731	-0.0009	-2.5 to 2.5	Pass
					4.43	1.831	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.618	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				0	3.85	1.044	0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.403	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-3.047	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-0.629	-0.0003	-2.5 to 2.5	Pass
				50	3.85	3.347	0.0018	-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	2.661	0.0014	-2.5 to 2.5	Pass
					3.85	2.332	0.0013	-2.5 to 2.5	Pass
					4.43	1.445	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				0	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				10	3.85	2.046	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.974	0.0011	-2.5 to 2.5	Pass
				40	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.029	0.0000	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	0.386	0.0002	-2.5 to 2.5	Pass
					3.85	2.775	0.0015	-2.5 to 2.5	Pass
					4.43	-0.272	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.888	0.0010	-2.5 to 2.5	Pass
				-20	3.85	2.861	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				0	3.85	2.990	0.0016	-2.5 to 2.5	Pass
				10	3.85	1.502	0.0008	-2.5 to 2.5	Pass

				30	3.85	1.144	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.157	0.0001	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	2.975	0.0016	-2.5 to 2.5	Pass
					3.85	1.860	0.0010	-2.5 to 2.5	Pass
					4.43	1.345	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.030	0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.117	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.815	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.144	-0.0006	-2.5 to 2.5	Pass
				50	3.85	1.516	0.0008	-2.5 to 2.5	Pass
16QAM	1852.5	25	0	20	3.27	-1.860	-0.0010	-2.5 to 2.5	Pass
					3.85	1.903	0.0010	-2.5 to 2.5	Pass
					4.43	-0.730	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.990	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-3.047	-0.0016	-2.5 to 2.5	Pass
				40	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.687	0.0004	-2.5 to 2.5	Pass
	1880	25	0	20	3.27	-3.576	-0.0019	-2.5 to 2.5	Pass
					3.85	-3.376	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.416	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.516	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	2.031	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.815	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				50	3.85	1.974	0.0011	-2.5 to 2.5	Pass
	1907.5	25	0	20	3.27	-0.329	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.960	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.172	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.960	-0.0010	-2.5 to 2.5	Pass
				10	3.85	0.815	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.472	0.0002	-2.5 to 2.5	Pass
				40	3.85	2.232	0.0012	-2.5 to 2.5	Pass
				50	3.85	0.000	0.0000	-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	4.263	0.0023	-2.5 to 2.5	Pass
					3.85	3.247	0.0018	-2.5 to 2.5	Pass
					4.43	3.290	0.0018	-2.5 to 2.5	Pass
				-30	3.85	3.591	0.0019	-2.5 to 2.5	Pass

				-20	3.85	2.689	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.760	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.818	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.945	0.0010	-2.5 to 2.5	Pass
				30	3.85	3.376	0.0018	-2.5 to 2.5	Pass
				40	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				50	3.85	2.618	0.0014	-2.5 to 2.5	Pass
	1880	50	0	20	3.27	1.073	0.0006	-2.5 to 2.5	Pass
					3.85	0.944	0.0005	-2.5 to 2.5	Pass
					4.43	-1.974	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-10	3.85	2.503	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.001	0.0005	-2.5 to 2.5	Pass
				10	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
	1905	50	0	20	3.27	4.549	0.0024	-2.5 to 2.5	Pass
					3.85	2.604	0.0014	-2.5 to 2.5	Pass
					4.43	-0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.85	1.173	0.0006	-2.5 to 2.5	Pass
				-20	3.85	2.289	0.0012	-2.5 to 2.5	Pass
				-10	3.85	2.131	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.403	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.031	0.0011	-2.5 to 2.5	Pass
				30	3.85	3.576	0.0019	-2.5 to 2.5	Pass
				40	3.85	1.202	0.0006	-2.5 to 2.5	Pass
				50	3.85	1.273	0.0007	-2.5 to 2.5	Pass
16QAM	1855	27	0	20	3.27	0.744	0.0004	-2.5 to 2.5	Pass
					3.85	0.086	0.0000	-2.5 to 2.5	Pass
					4.43	-1.073	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	3.018	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-1.330	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.475	-0.0013	-2.5 to 2.5	Pass
				10	3.85	3.133	0.0017	-2.5 to 2.5	Pass
				30	3.85	2.661	0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
	1880	27	0	20	3.27	-1.230	-0.0007	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0011	-2.5 to 2.5	Pass
					4.43	-2.146	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				10	3.85	1.159	0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.117	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.904	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-1.216	-0.0006	-2.5 to 2.5	Pass
	1905	27	23	20	3.27	-2.074	-0.0011	-2.5 to 2.5	Pass
					3.85	-2.718	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.030	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.860	-0.0010	-2.5 to 2.5	Pass
				0	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass

				30	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				40	3.85	2.732	0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.343	-0.0002	-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	-5.121	-0.0028	-2.5 to 2.5	Pass
					3.85	-4.048	-0.0022	-2.5 to 2.5	Pass
					4.43	-4.606	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-5.136	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-3.891	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-2.661	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-3.977	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.748	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-4.563	-0.0025	-2.5 to 2.5	Pass
	1880	75	0	20	3.27	0.744	0.0004	-2.5 to 2.5	Pass
					3.85	1.087	0.0006	-2.5 to 2.5	Pass
					4.43	0.429	0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.458	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				30	3.85	2.904	0.0015	-2.5 to 2.5	Pass
				40	3.85	2.246	0.0012	-2.5 to 2.5	Pass
				50	3.85	1.960	0.0010	-2.5 to 2.5	Pass
	1902.5	75	0	20	3.27	-3.247	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.844	-0.0004	-2.5 to 2.5	Pass
					4.43	-3.090	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.815	-0.0004	-2.5 to 2.5	Pass
				10	3.85	1.588	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.017	0.0011	-2.5 to 2.5	Pass
				50	3.85	1.717	0.0009	-2.5 to 2.5	Pass
16QAM	1857.5	27	0	20	3.27	-1.459	-0.0008	-2.5 to 2.5	Pass
					3.85	1.574	0.0008	-2.5 to 2.5	Pass
					4.43	-0.958	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.987	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				40	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.931	0.0010	-2.5 to 2.5	Pass
	1880	27	0	20	3.27	0.987	0.0005	-2.5 to 2.5	Pass
					3.85	0.987	0.0005	-2.5 to 2.5	Pass
					4.43	-1.087	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.030	0.0005	-2.5 to 2.5	Pass

				-20	3.85	2.317	0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.159	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.418	0.0013	-2.5 to 2.5	Pass
				50	3.85	2.131	0.0011	-2.5 to 2.5	Pass
	1902.5	27	48	20	3.27	1.473	0.0008	-2.5 to 2.5	Pass
					3.85	0.815	0.0004	-2.5 to 2.5	Pass
					4.43	2.446	0.0013	-2.5 to 2.5	Pass
				-30	3.85	1.187	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.144	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.103	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.418	0.0013	-2.5 to 2.5	Pass
				10	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.874	0.0010	-2.5 to 2.5	Pass
				40	3.85	2.489	0.0013	-2.5 to 2.5	Pass
				50	3.85	0.358	0.0002	-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	-3.276	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.864	-0.0026	-2.5 to 2.5	Pass
					4.43	-3.548	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.992	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-1.874	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.903	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				30	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.458	0.0002	-2.5 to 2.5	Pass
				50	3.85	1.659	0.0009	-2.5 to 2.5	Pass
	1880	100	0	20	3.27	1.402	0.0007	-2.5 to 2.5	Pass
					3.85	2.589	0.0014	-2.5 to 2.5	Pass
					4.43	2.575	0.0014	-2.5 to 2.5	Pass
				-30	3.85	3.390	0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				-10	3.85	2.174	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.144	0.0006	-2.5 to 2.5	Pass
				10	3.85	2.918	0.0016	-2.5 to 2.5	Pass
				30	3.85	1.888	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				50	3.85	1.817	0.0010	-2.5 to 2.5	Pass
	1900	100	0	20	3.27	-5.221	-0.0027	-2.5 to 2.5	Pass
					3.85	-3.004	-0.0016	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-5.093	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.760	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.847	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.246	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.561	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass

16QAM	1860	27	0	20	3.27	2.503	0.0013	-2.5 to 2.5	Pass
					3.85	0.443	0.0002	-2.5 to 2.5	Pass
					4.43	1.831	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				-20	3.85	1.702	0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.232	0.0012	-2.5 to 2.5	Pass
				0	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.146	0.0012	-2.5 to 2.5	Pass
	1880	27	0	20	3.27	0.415	0.0002	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
					4.43	1.345	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				0	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				30	3.85	1.287	0.0007	-2.5 to 2.5	Pass
	1900	27	73	20	3.27	0.486	0.0003	-2.5 to 2.5	Pass
					3.85	0.186	0.0001	-2.5 to 2.5	Pass
					4.43	0.916	0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.443	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.458	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.801	0.0004	-2.5 to 2.5	Pass
				50	3.85	2.804	0.0015	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTVN						
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 / NTNV						
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

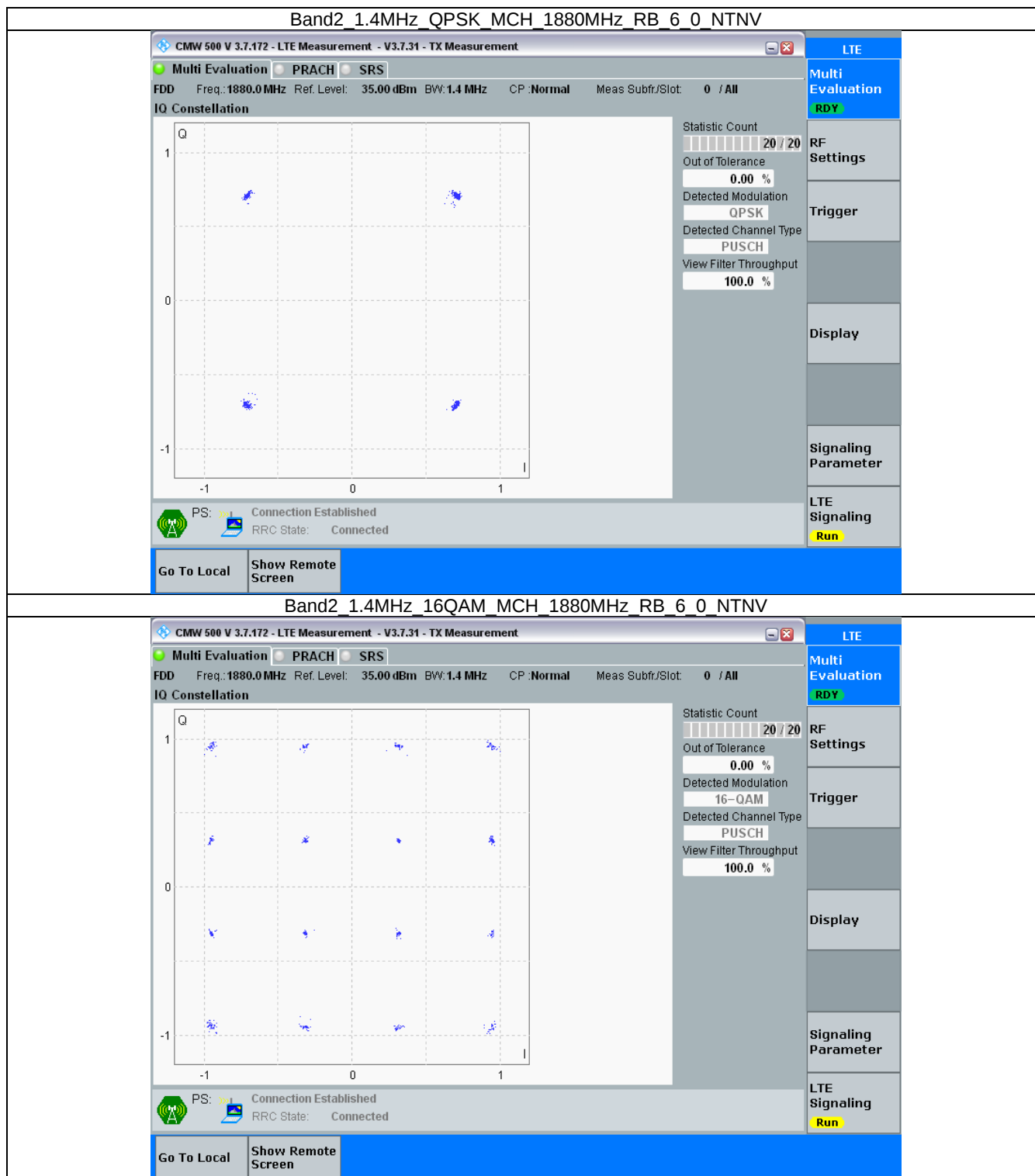
Band: 2 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	75	0	Refer To Test Graph		Pass
16QAM	1880	27	0	Refer To Test Graph		Pass

3.1.6 B2_20MHz

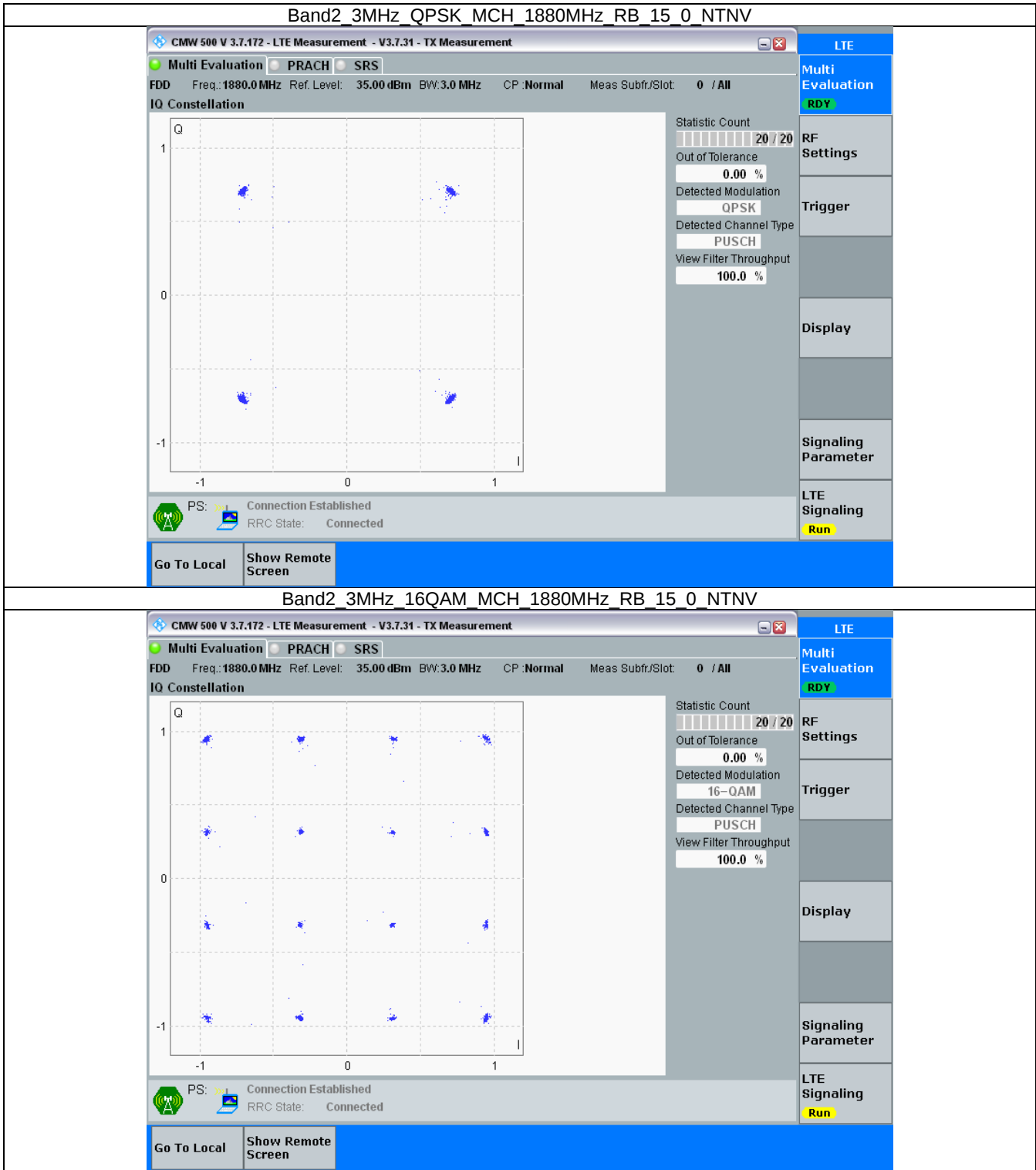
Band: 2 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	100	0	Refer To Test Graph		Pass
16QAM	1880	27	0	Refer To Test Graph		Pass

3.2 Test Graph

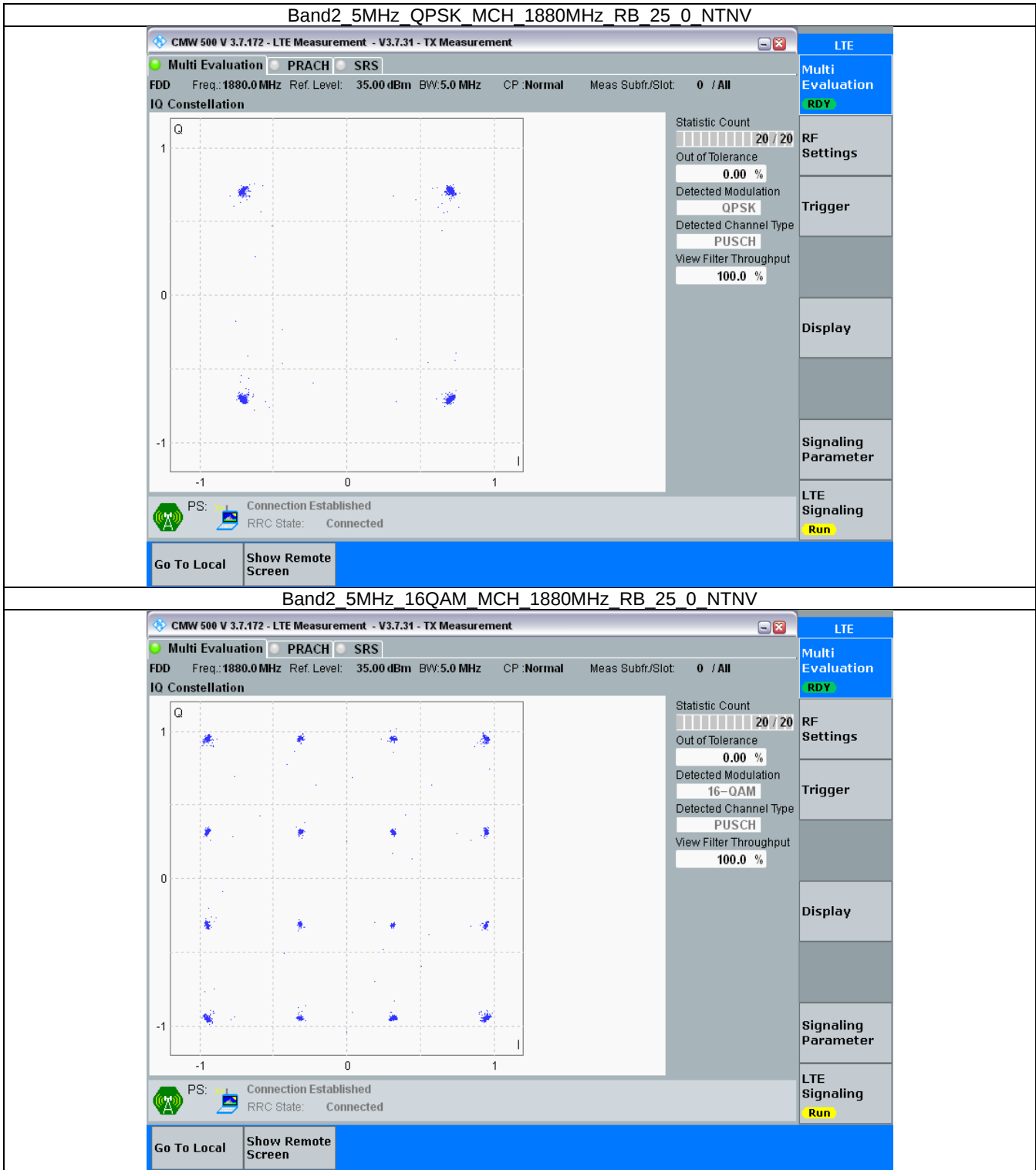
3.2.1 B2_1.4MHz



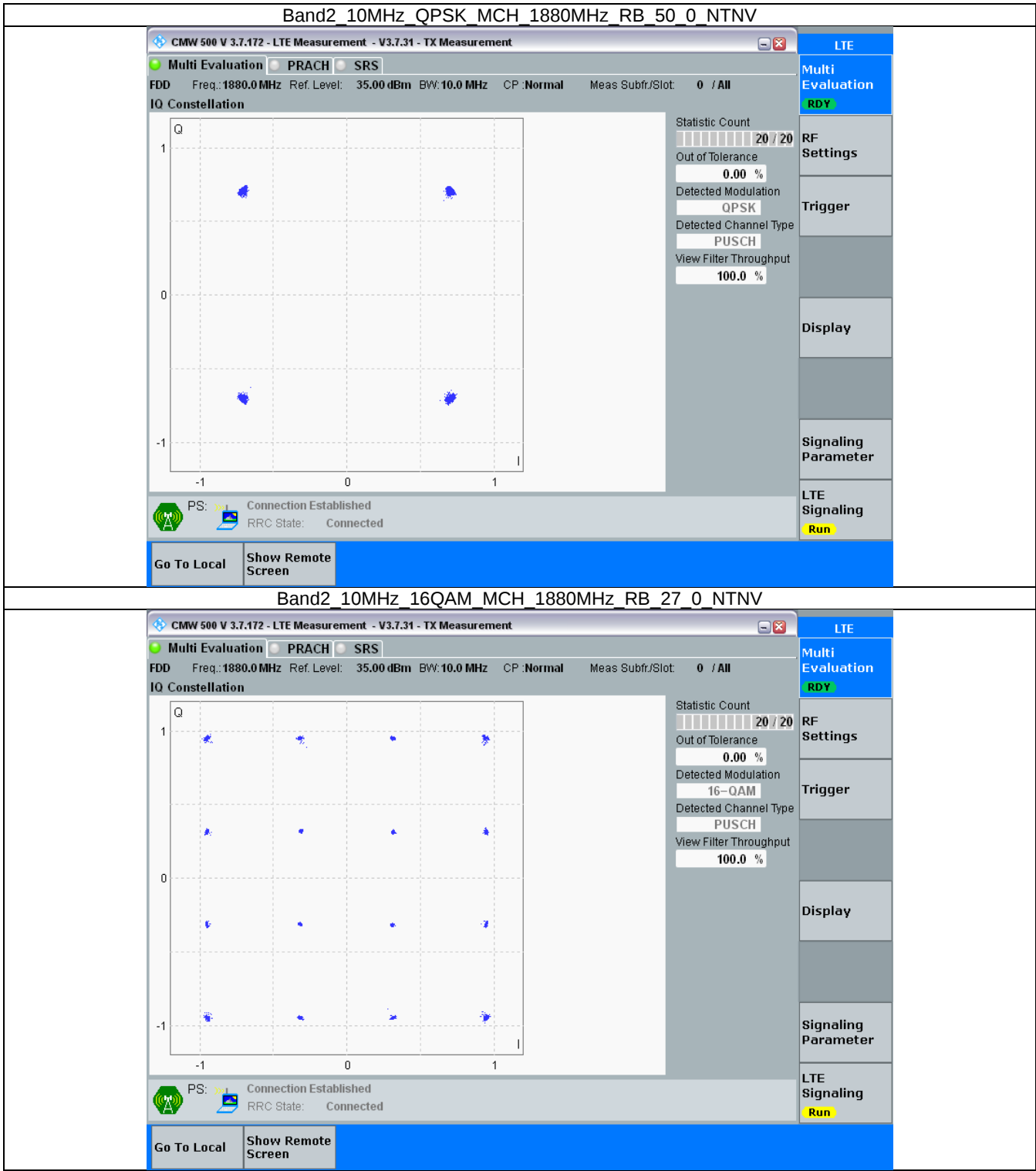
3.2.2 B2_3MHz



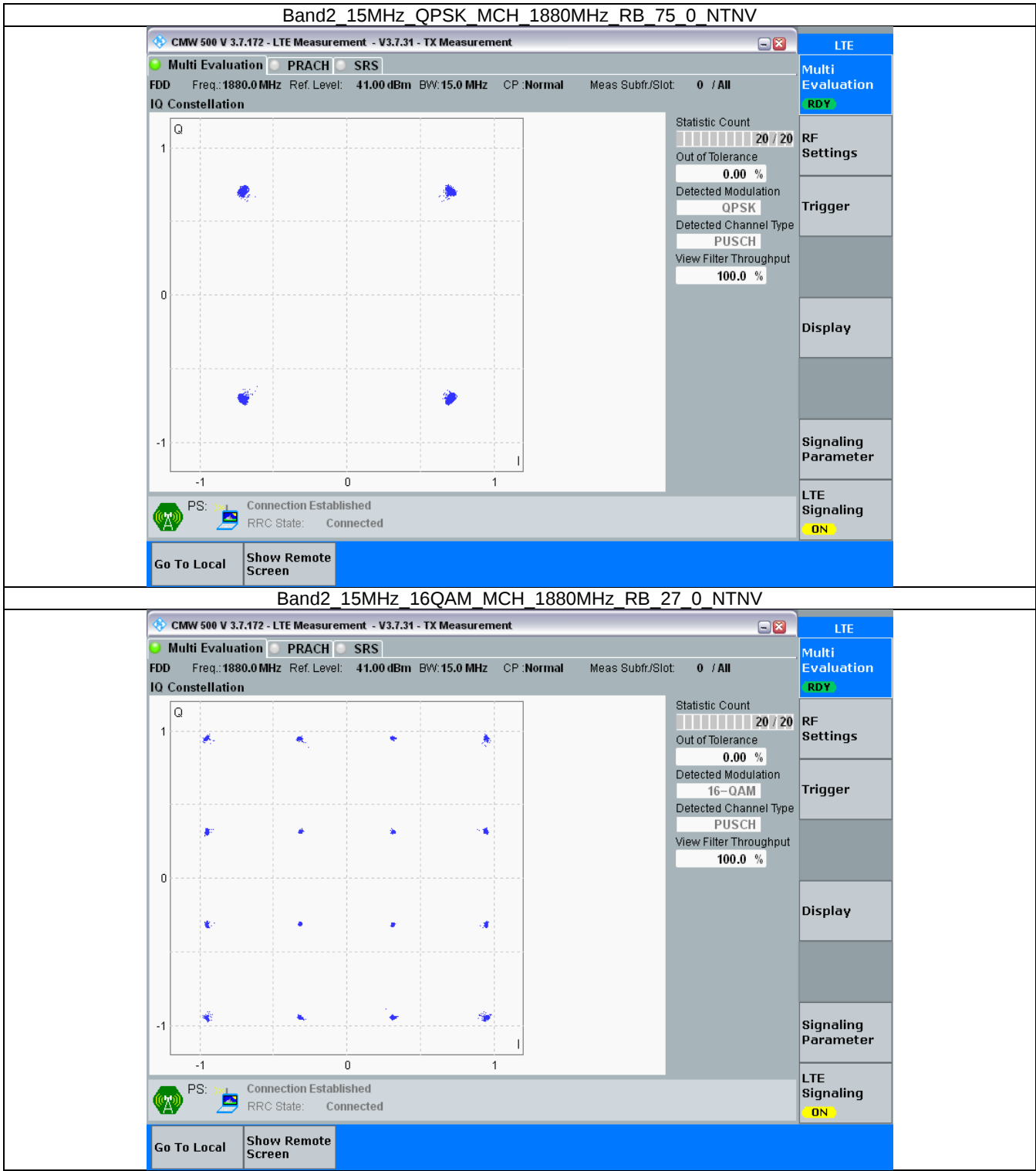
3.2.3 B2_5MHz



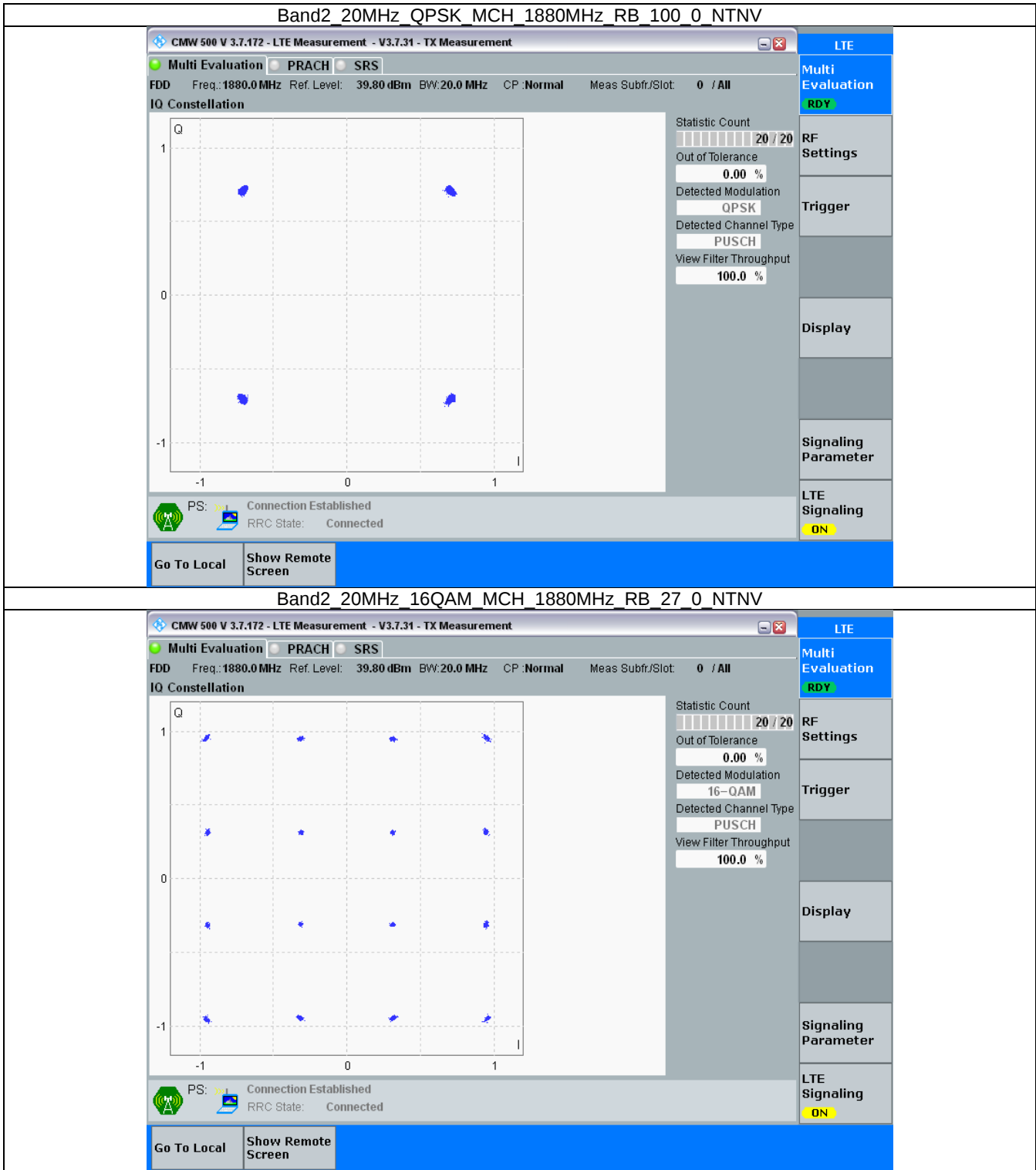
3.2.4 B2_10MHz



3.2.5 B2_15MHz



3.2.6 B2_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band2_OBW

Band: 2 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.111	/	Pass
		1880	6	0	1.107	/	Pass
		1909.3	6	0	1.112	/	Pass
	16QAM	1850.7	6	0	1.114	/	Pass
		1880	6	0	1.110	/	Pass
		1909.3	6	0	1.115	/	Pass
3	QPSK	1851.5	15	0	2.736	/	Pass
		1880	15	0	2.736	/	Pass
		1908.5	15	0	2.735	/	Pass
	16QAM	1851.5	15	0	2.746	/	Pass
		1880	15	0	2.724	/	Pass
		1908.5	15	0	2.727	/	Pass
5	QPSK	1852.5	25	0	4.543	/	Pass
		1880	25	0	4.529	/	Pass
		1907.5	25	0	4.549	/	Pass
	16QAM	1852.5	25	0	4.525	/	Pass
		1880	25	0	4.514	/	Pass
		1907.5	25	0	4.539	/	Pass
10	QPSK	1855	50	0	9.078	/	Pass
		1880	50	0	9.047	/	Pass
		1905	50	0	9.073	/	Pass
	16QAM	1855	27	0	5.142	/	Pass
		1880	27	0	5.124	/	Pass
		1905	27	23	5.112	/	Pass
15	QPSK	1857.5	75	0	13.677	/	Pass
		1880	75	0	13.561	/	Pass
		1902.5	75	0	13.598	/	Pass
	16QAM	1857.5	27	0	5.477	/	Pass
		1880	27	0	5.373	/	Pass
		1902.5	27	48	5.384	/	Pass
20	QPSK	1860	100	0	18.180	/	Pass
		1880	100	0	18.018	/	Pass
		1900	100	0	18.106	/	Pass
	16QAM	1860	27	0	5.774	/	Pass
		1880	27	0	5.656	/	Pass
		1900	27	73	5.655	/	Pass

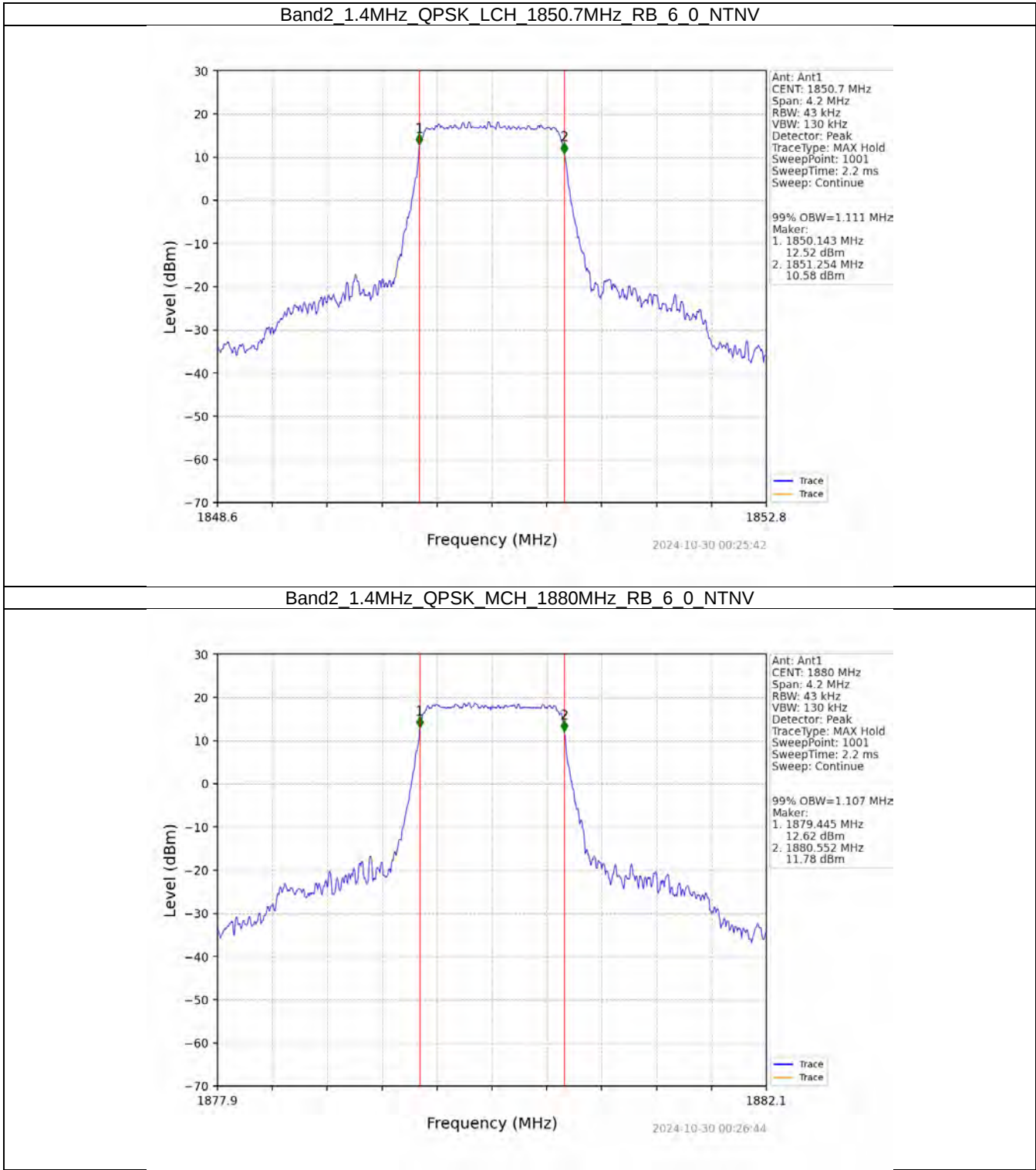
4.1.2 Band2_XDB

Band: 2 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.329	/	Pass
		1880	6	0	1.329	/	Pass
		1909.3	6	0	1.337	/	Pass

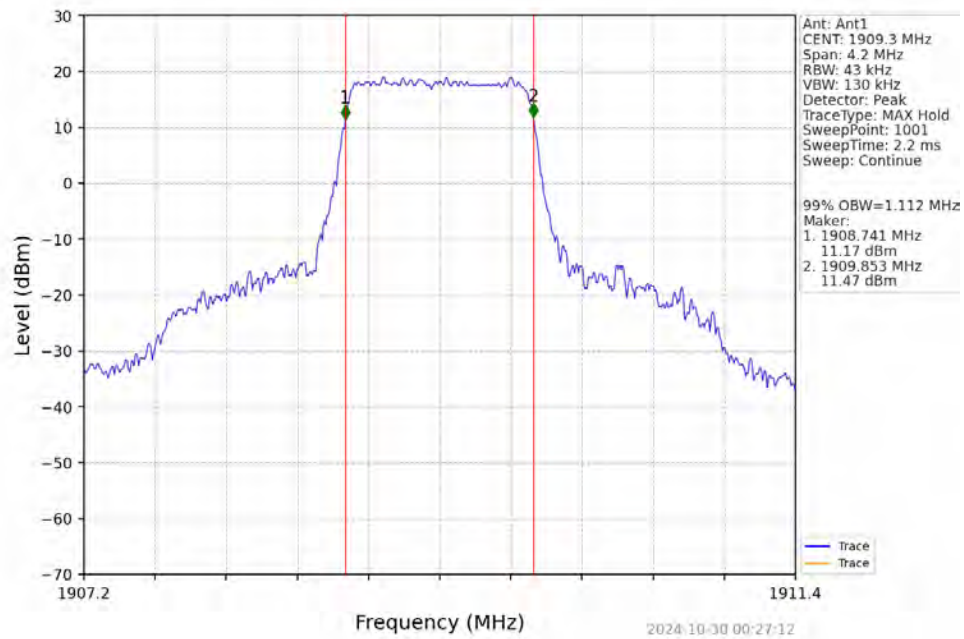
	16QAM	1850.7	6	0	1.333	/	Pass
		1880	6	0	1.320	/	Pass
		1909.3	6	0	1.344	/	Pass
3	QPSK	1851.5	15	0	3.026	/	Pass
		1880	15	0	3.024	/	Pass
		1908.5	15	0	3.022	/	Pass
	16QAM	1851.5	15	0	3.063	/	Pass
		1880	15	0	3.054	/	Pass
		1908.5	15	0	3.023	/	Pass
5	QPSK	1852.5	25	0	5.014	/	Pass
		1880	25	0	5.026	/	Pass
		1907.5	25	0	5.015	/	Pass
	16QAM	1852.5	25	0	5.029	/	Pass
		1880	25	0	4.985	/	Pass
		1907.5	25	0	5.018	/	Pass
10	QPSK	1855	50	0	10.286	/	Pass
		1880	50	0	10.273	/	Pass
		1905	50	0	10.185	/	Pass
	16QAM	1855	27	0	6.414	/	Pass
		1880	27	0	6.397	/	Pass
		1905	27	23	6.358	/	Pass
15	QPSK	1857.5	75	0	15.641	/	Pass
		1880	75	0	15.474	/	Pass
		1902.5	75	0	15.226	/	Pass
	16QAM	1857.5	27	0	7.069	/	Pass
		1880	27	0	6.825	/	Pass
		1902.5	27	48	7.216	/	Pass
20	QPSK	1860	100	0	20.609	/	Pass
		1880	100	0	20.033	/	Pass
		1900	100	0	20.323	/	Pass
	16QAM	1860	27	0	7.919	/	Pass
		1880	27	0	7.724	/	Pass
		1900	27	73	7.553	/	Pass

4.2 Test Graph

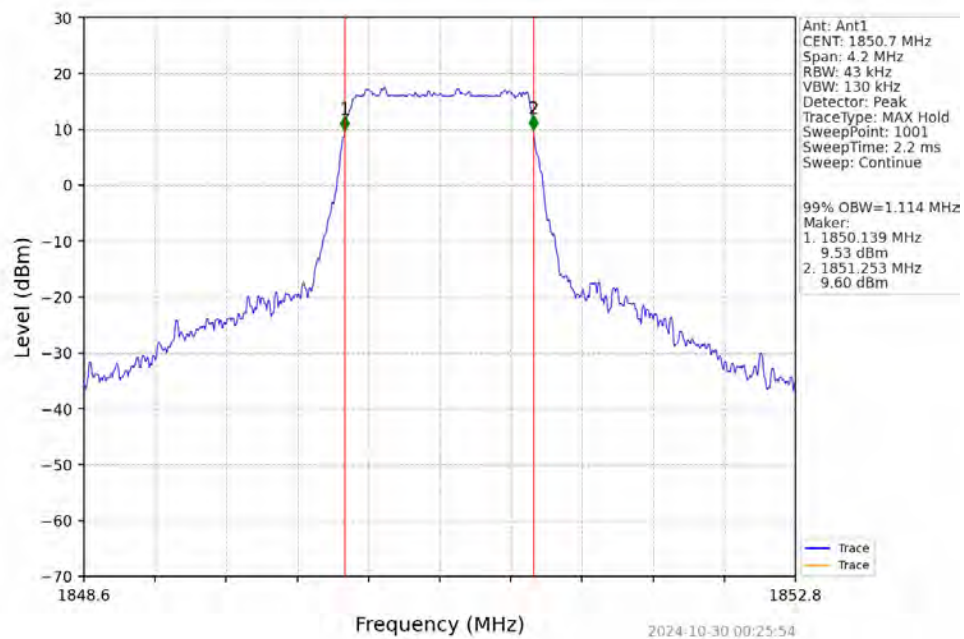
4.2.1 Band2_OBW



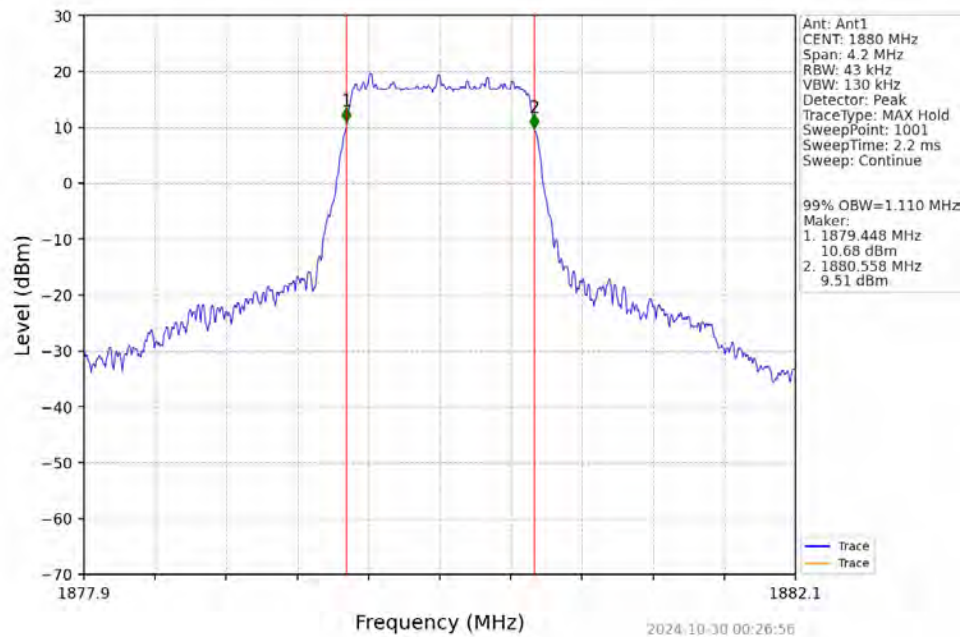
Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTV



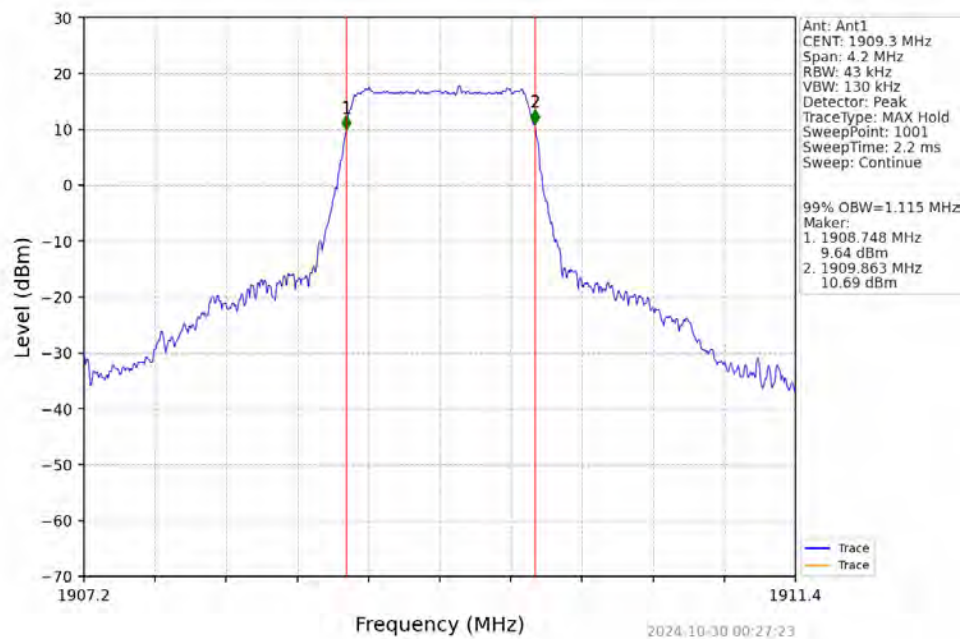
Band2 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTV



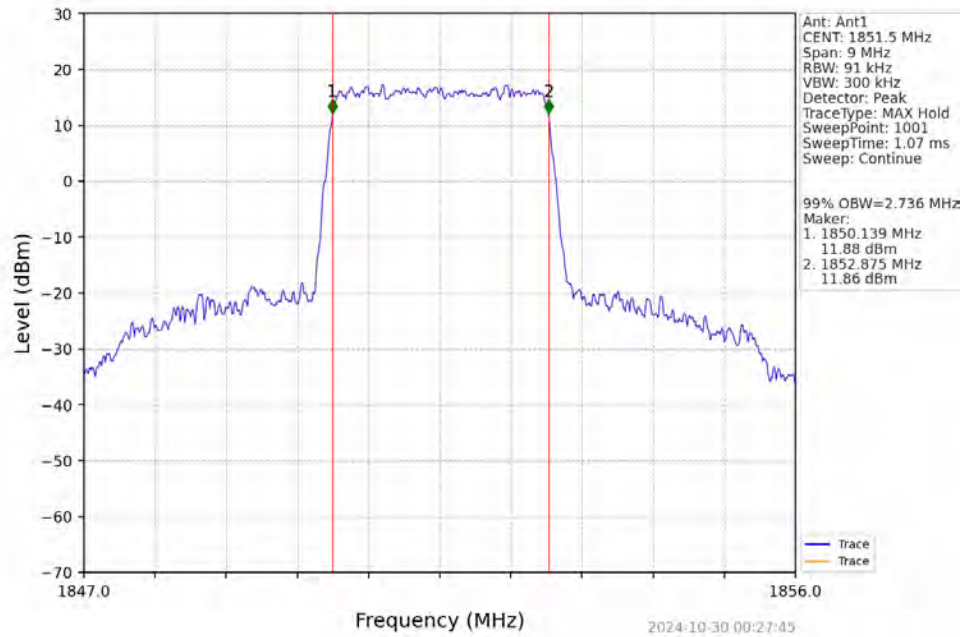
Band2 1.4MHz 16QAM MCH 1880MHz RB 6 0 NTNV



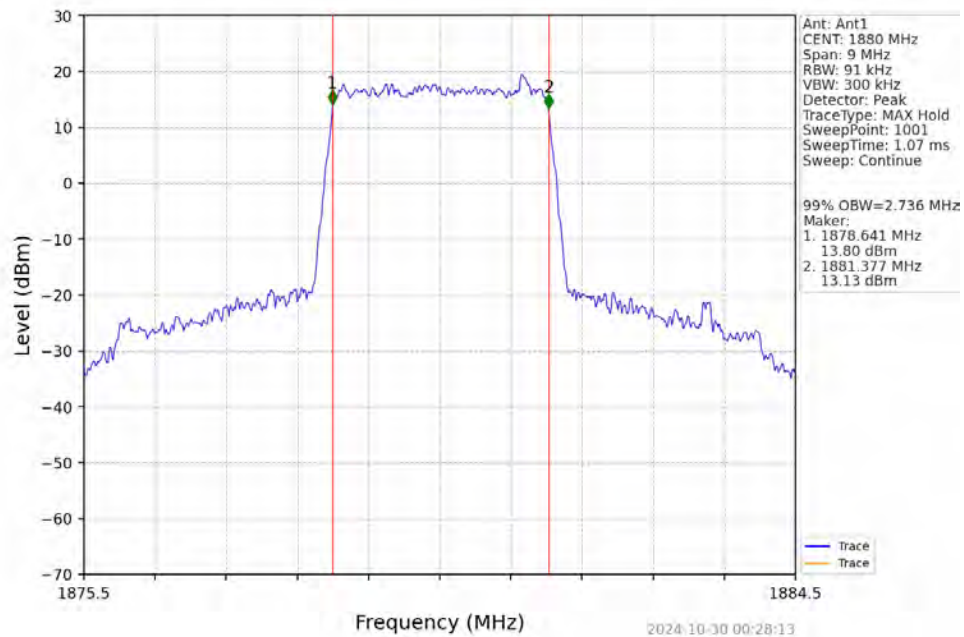
Band2 1.4MHz 16QAM HCH 1909.3MHz RB 6 0 NTNV



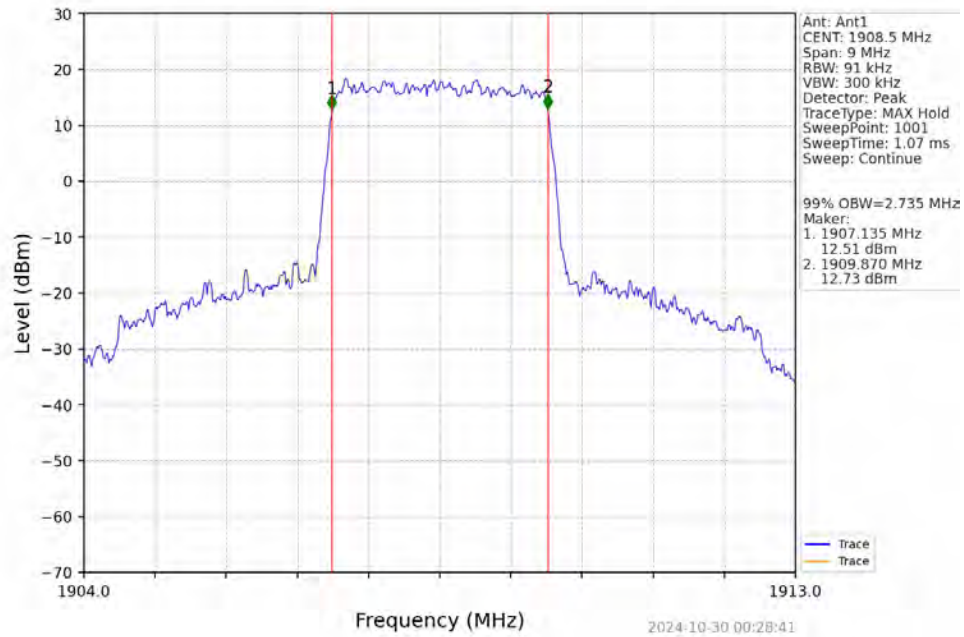
Band2 3MHz QPSK LCH 1851.5MHz RB 15 0 NTNV



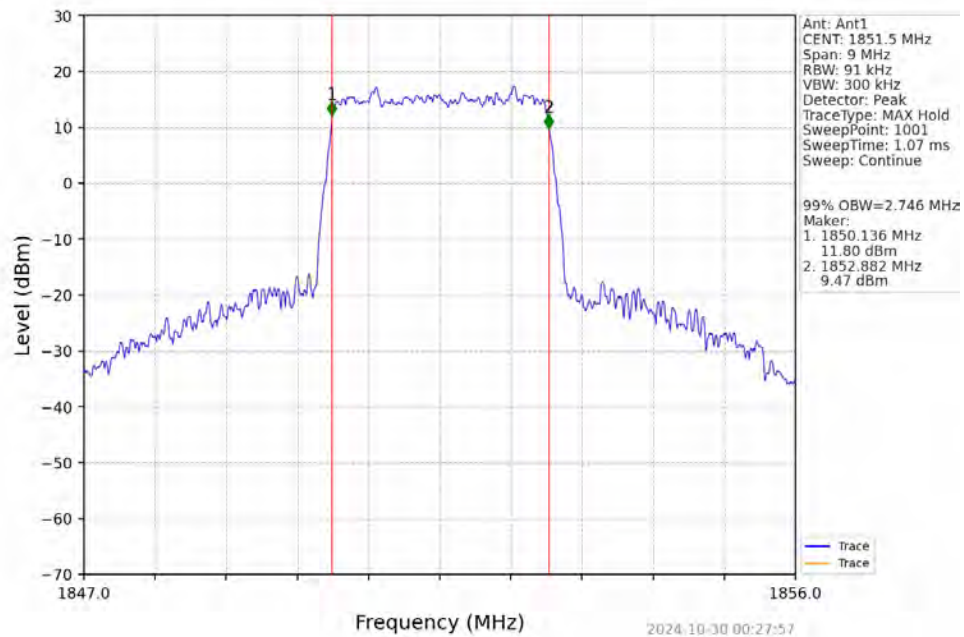
Band2 3MHz QPSK MCH 1880MHz RB 15 0 NTNV



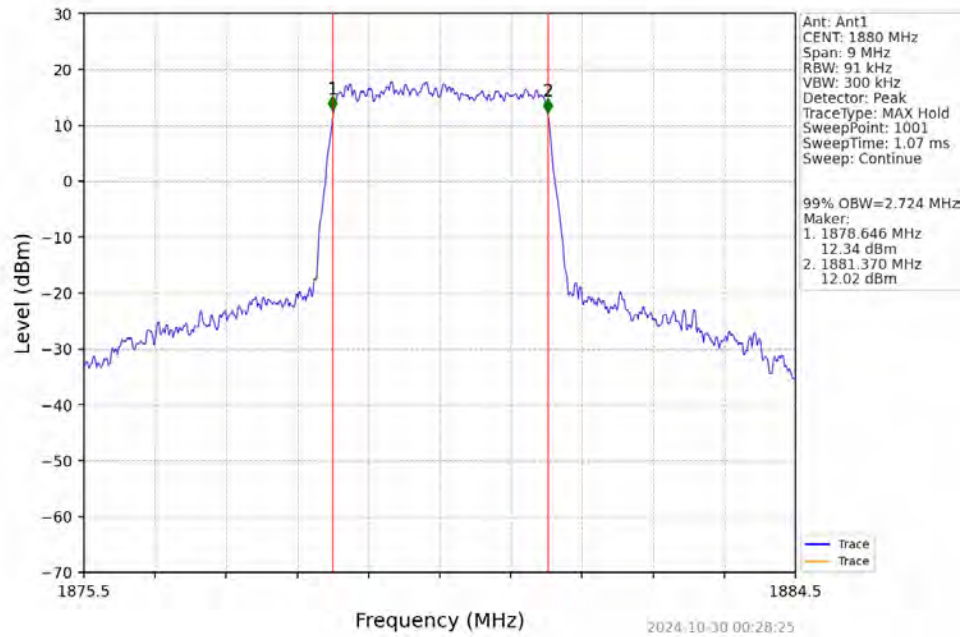
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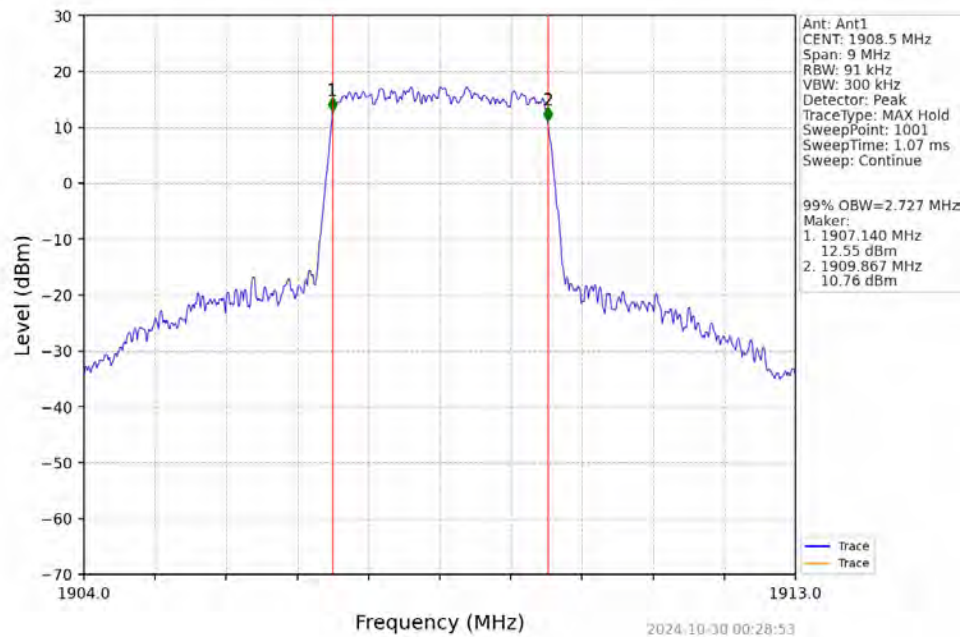
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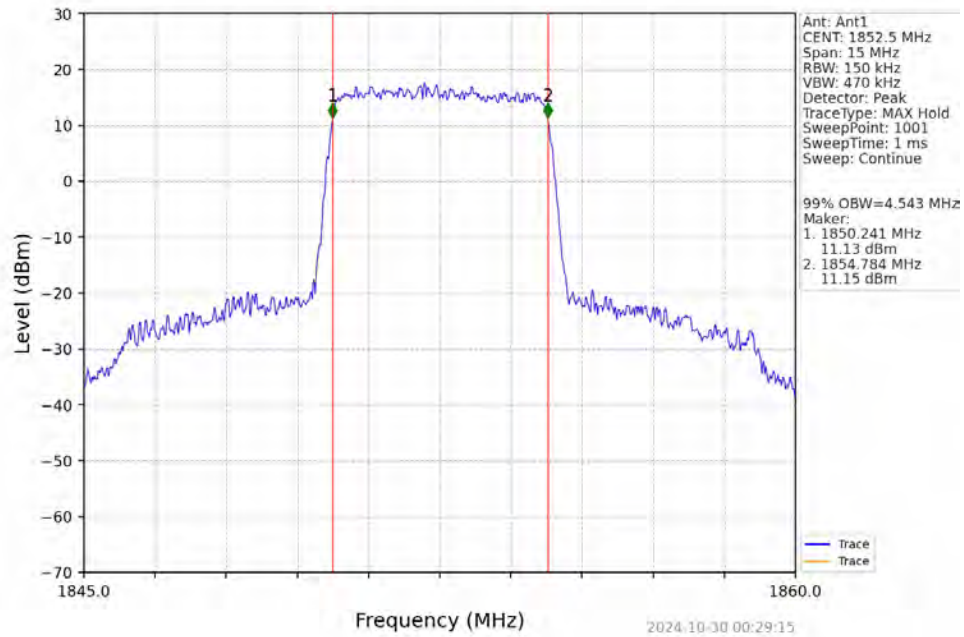
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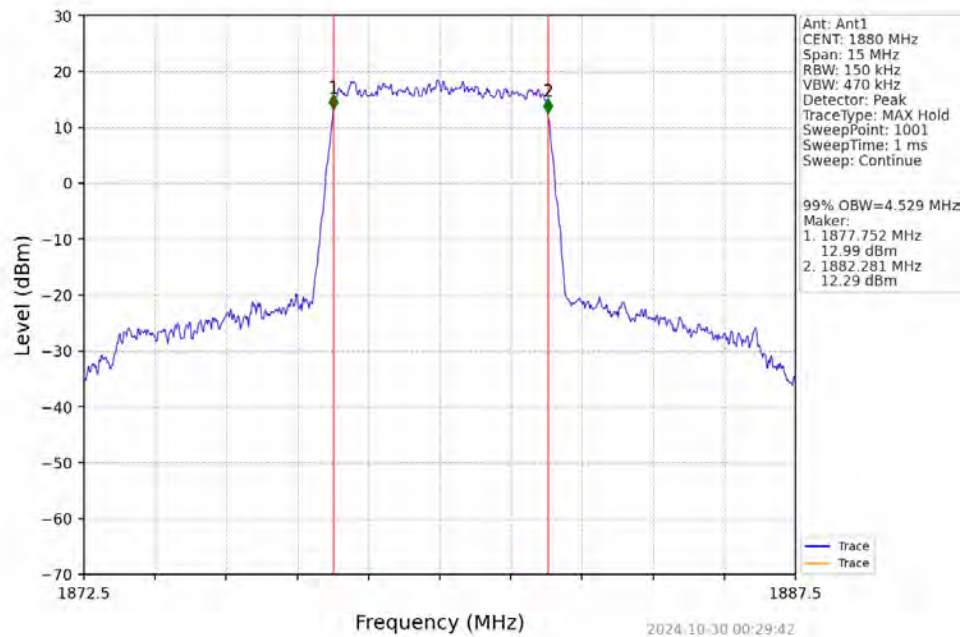
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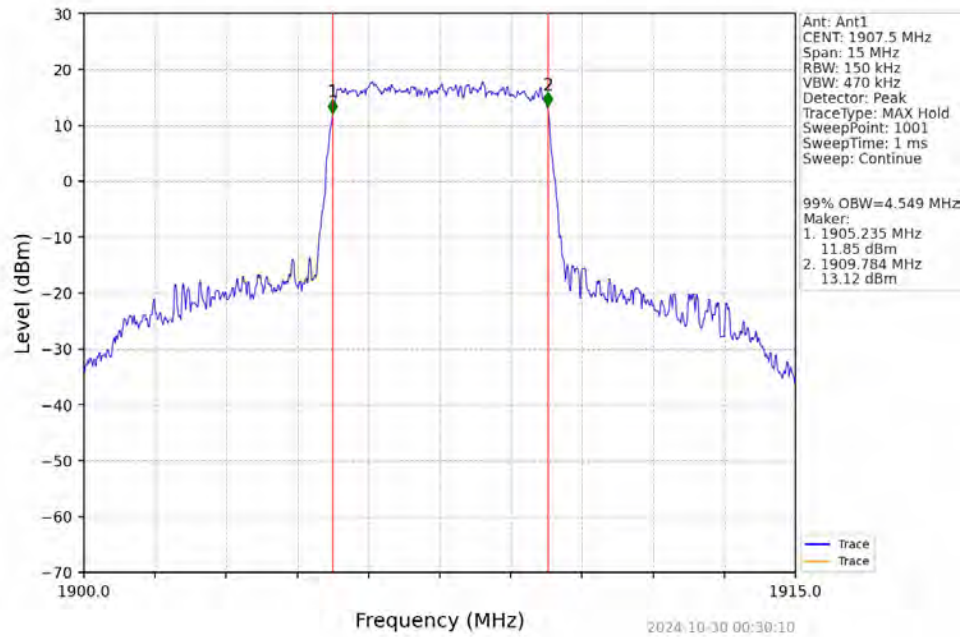
Band2 5MHz QPSK LCH 1852.5MHz RB 25 0 NTNV



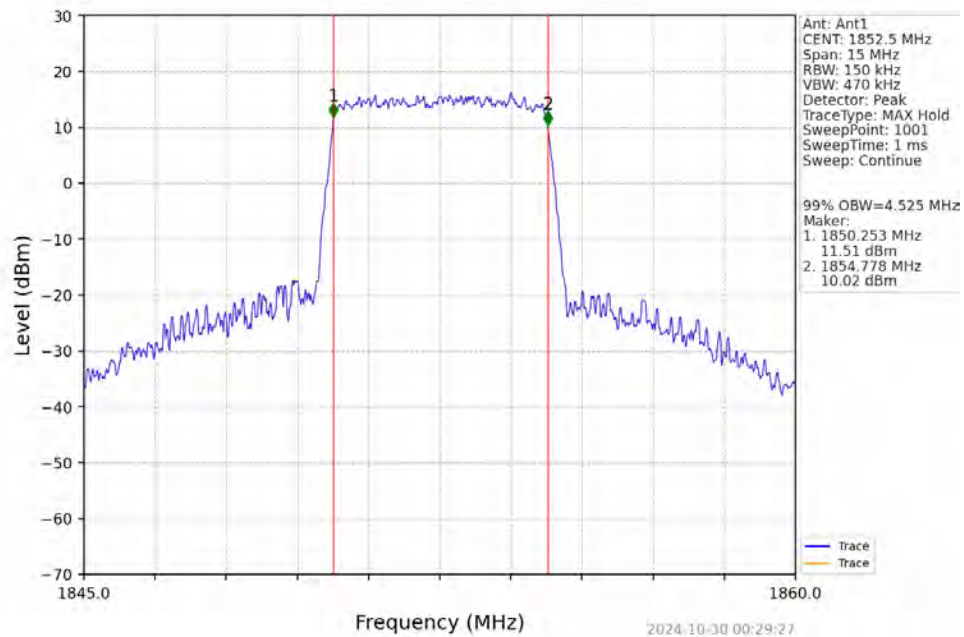
Band2 5MHz QPSK MCH 1880MHz RB 25 0 NTNV



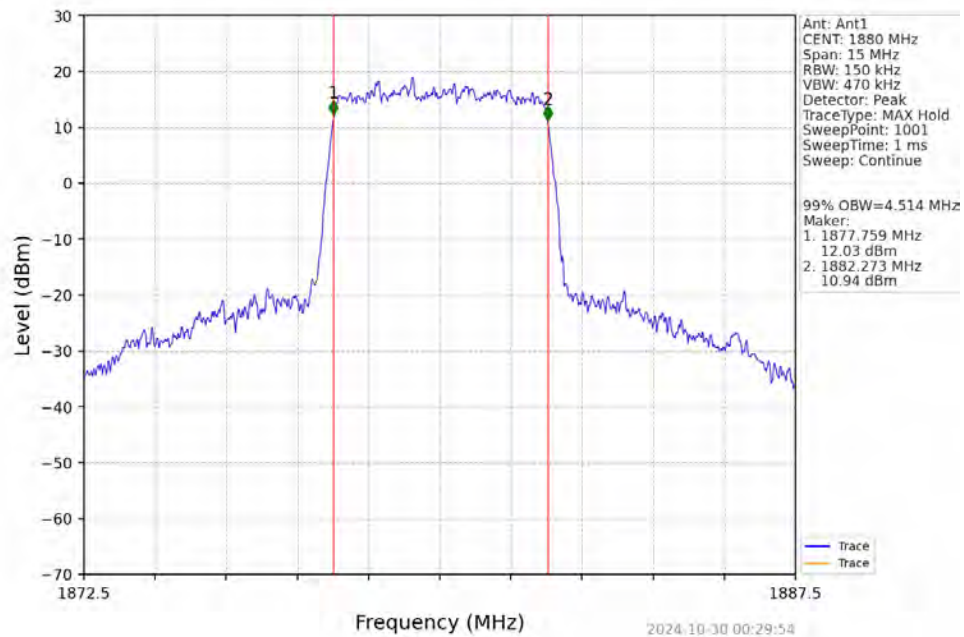
Band2 5MHz QPSK HCH 1907.5MHz RB 25 0 NTNV



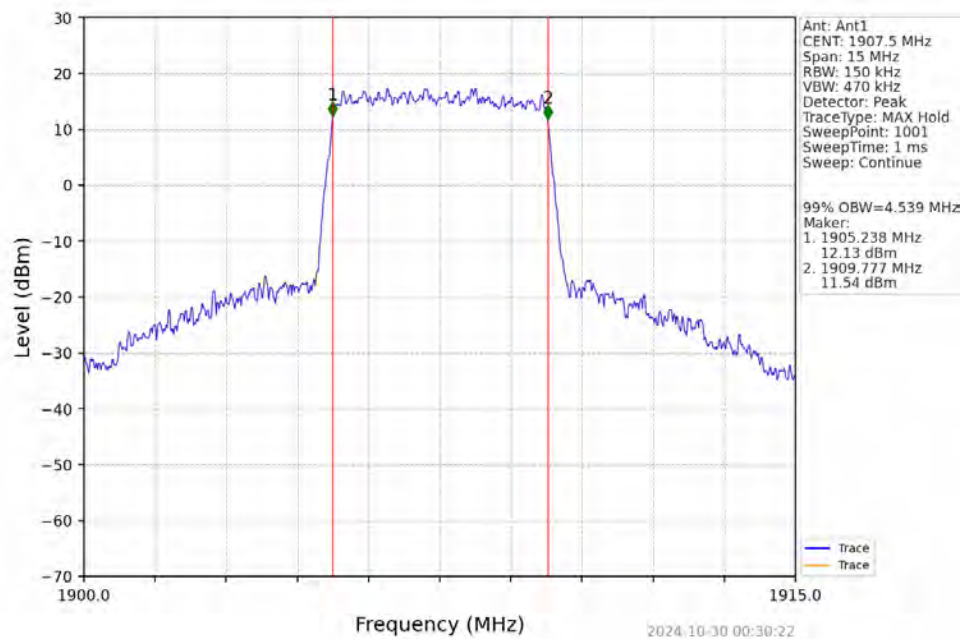
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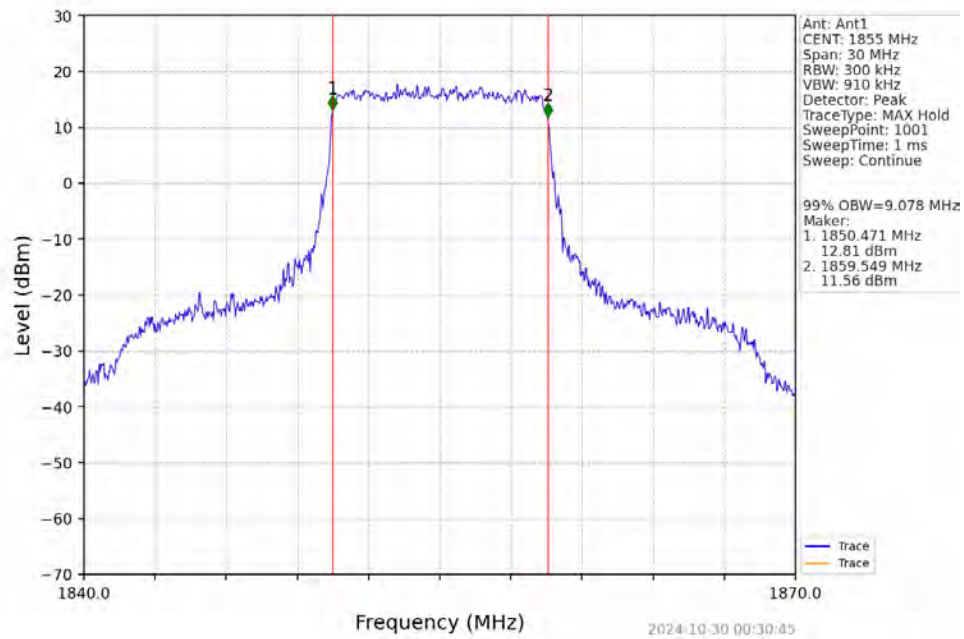
Band2 5MHz 16QAM MCH 1880MHz RB 25 0 NTNV



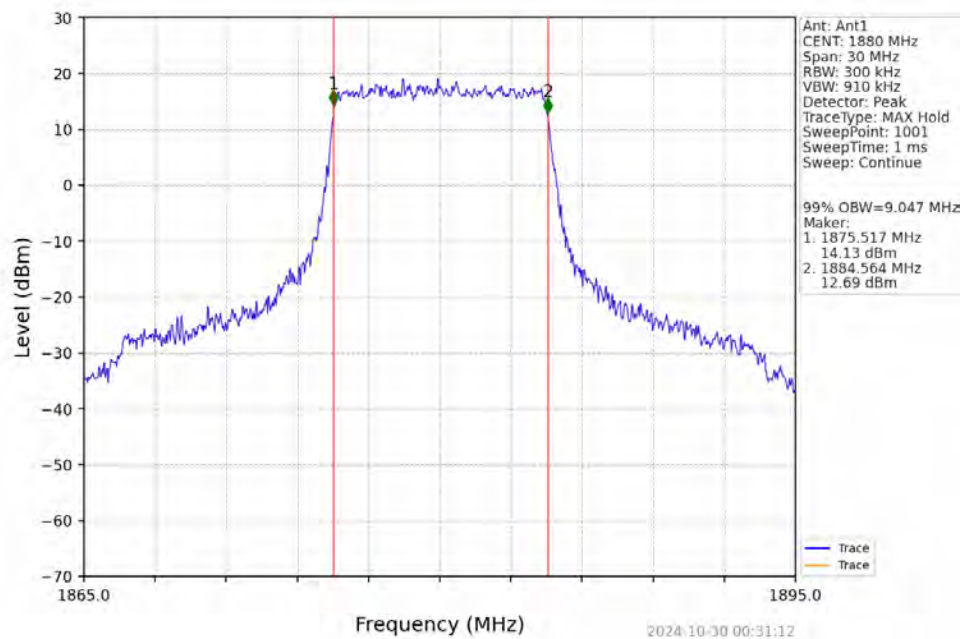
Band2 5MHz 16QAM HCH 1907.5MHz RB 25 0 NTNV



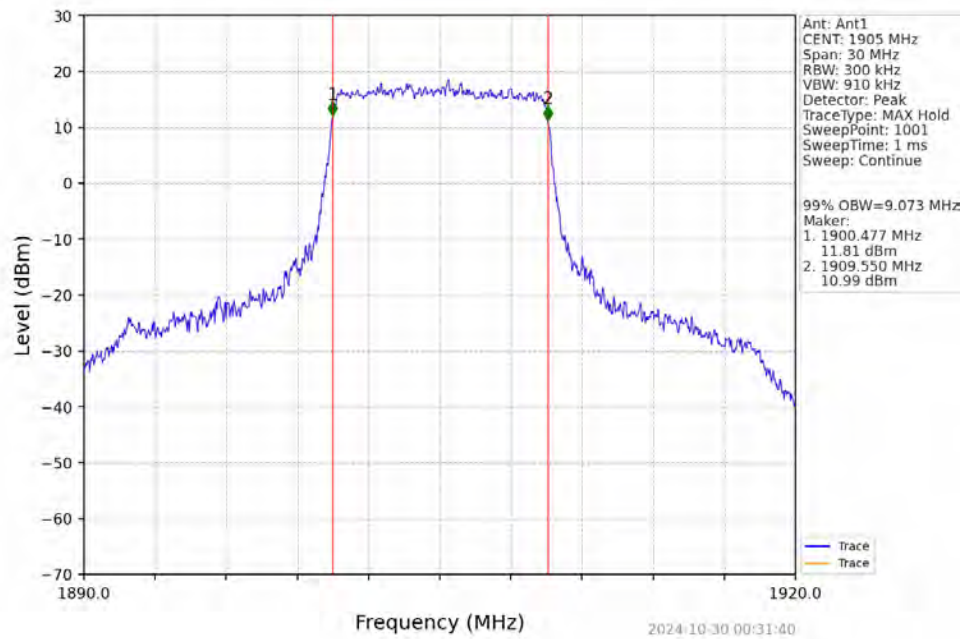
Band2 10MHz QPSK LCH 1855MHz RB 50 0 NTNV



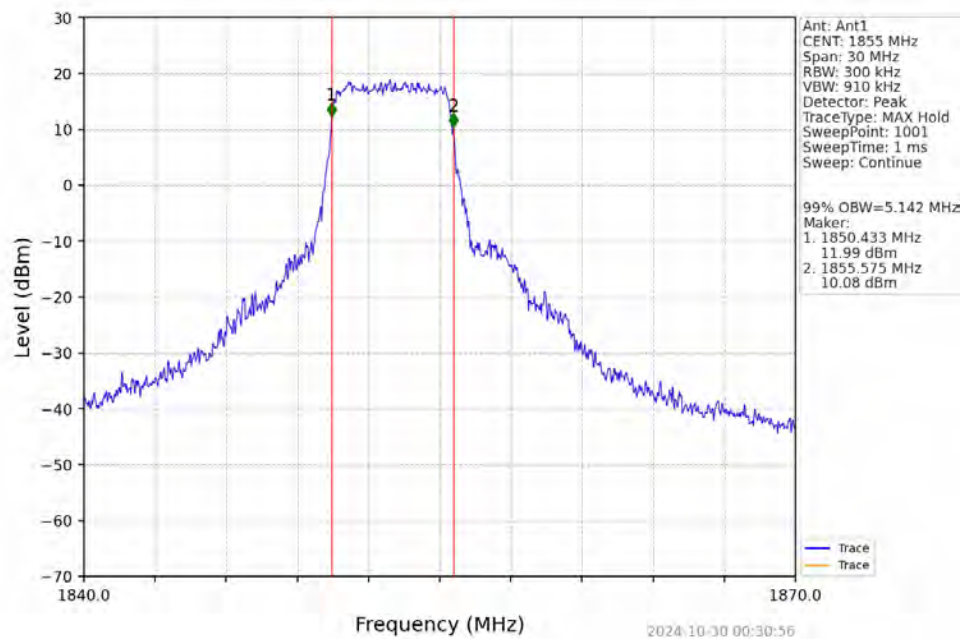
Band2 10MHz QPSK MCH 1880MHz RB 50 0 NTNV



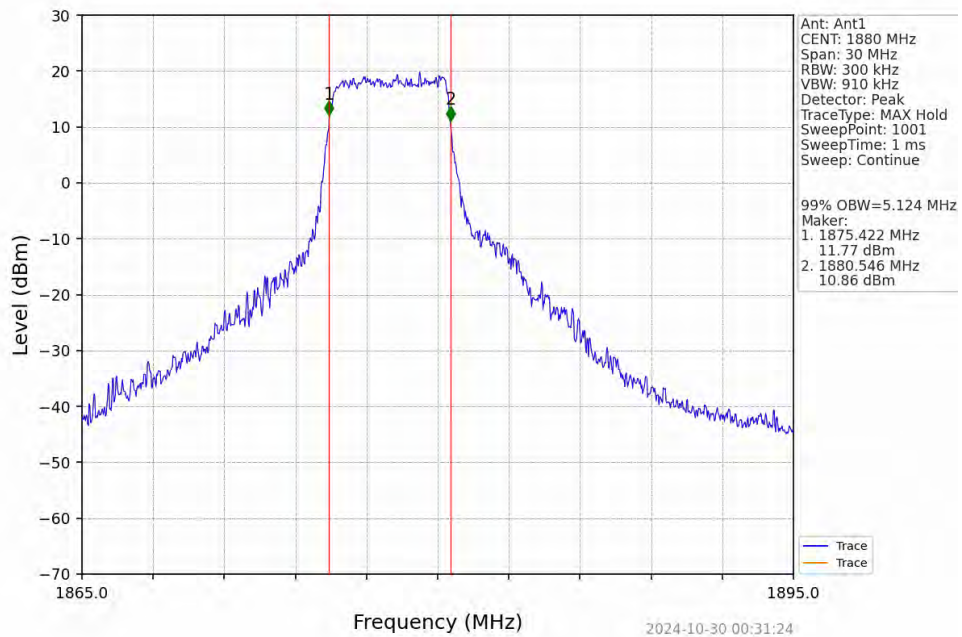
Band2 10MHz QPSK HCH 1905MHz RB 50 0 NTNV



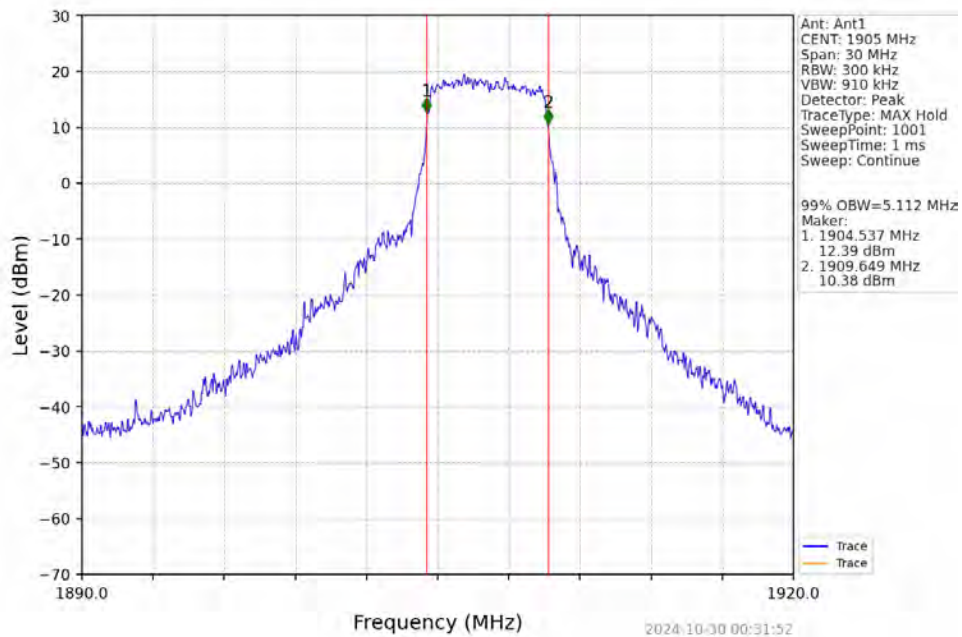
Band2 10MHz 16QAM LCH 1855MHz RB 27 0 NTNV



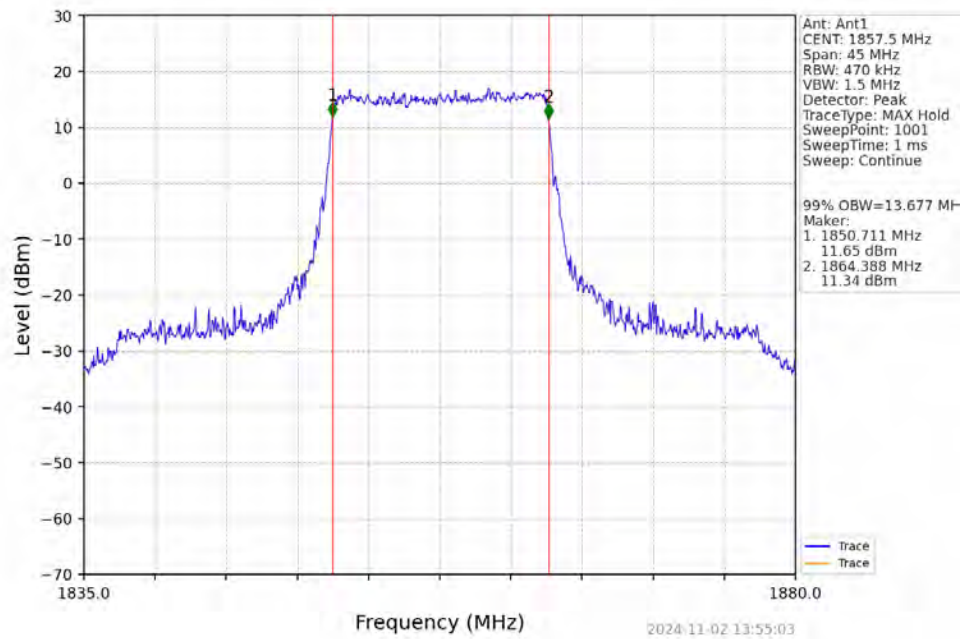
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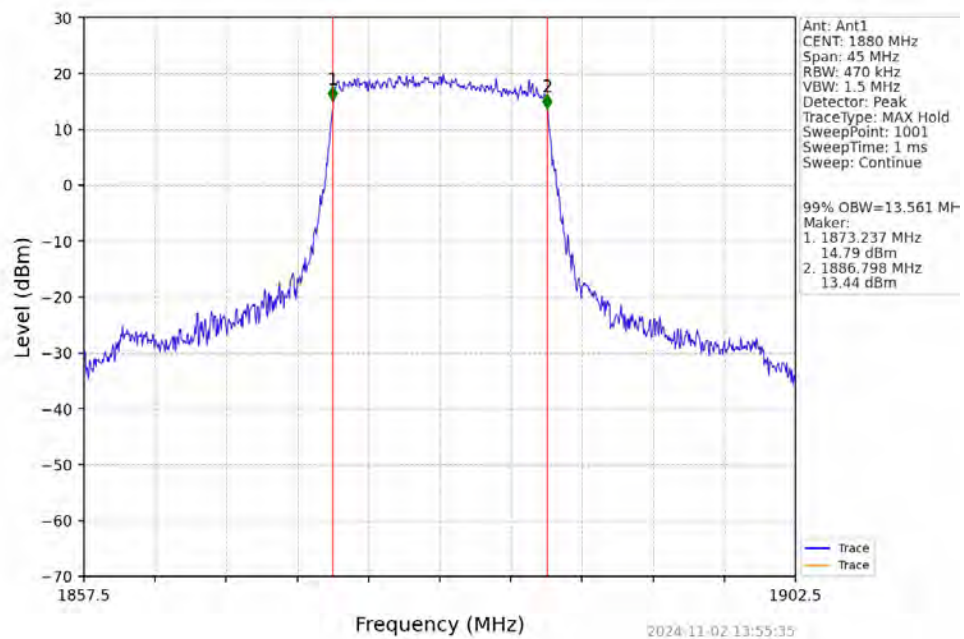
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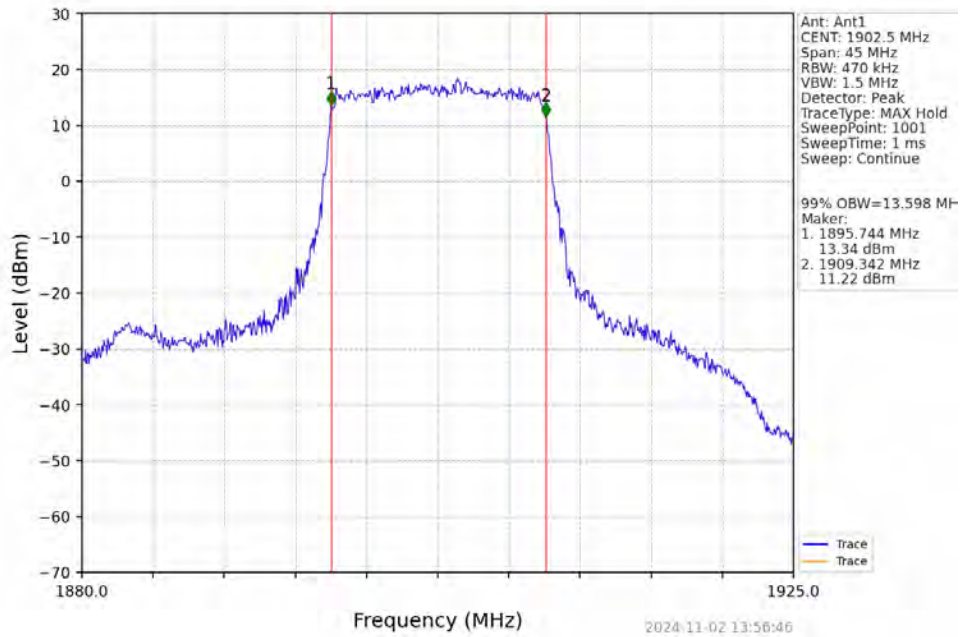
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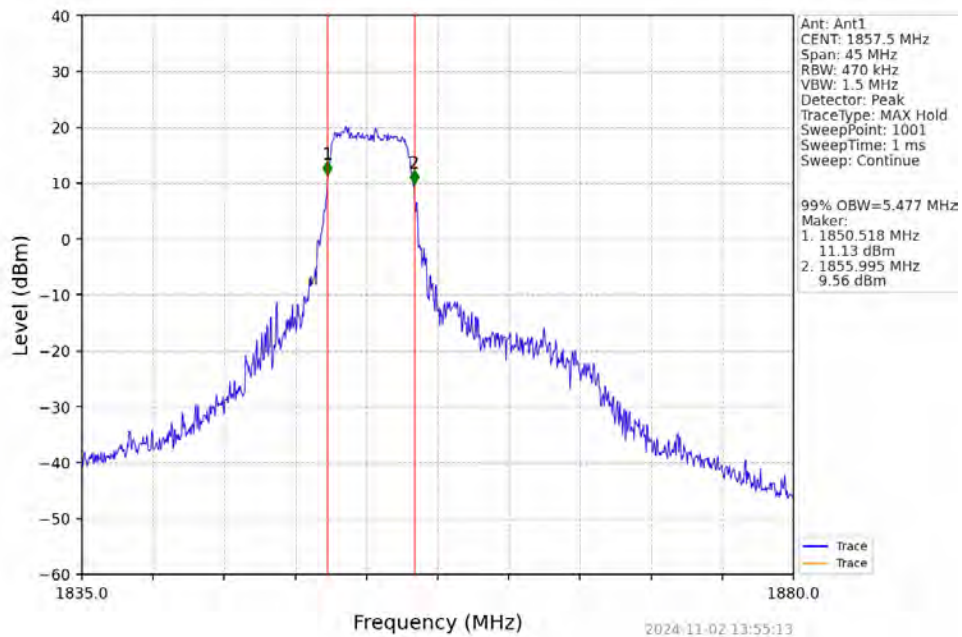
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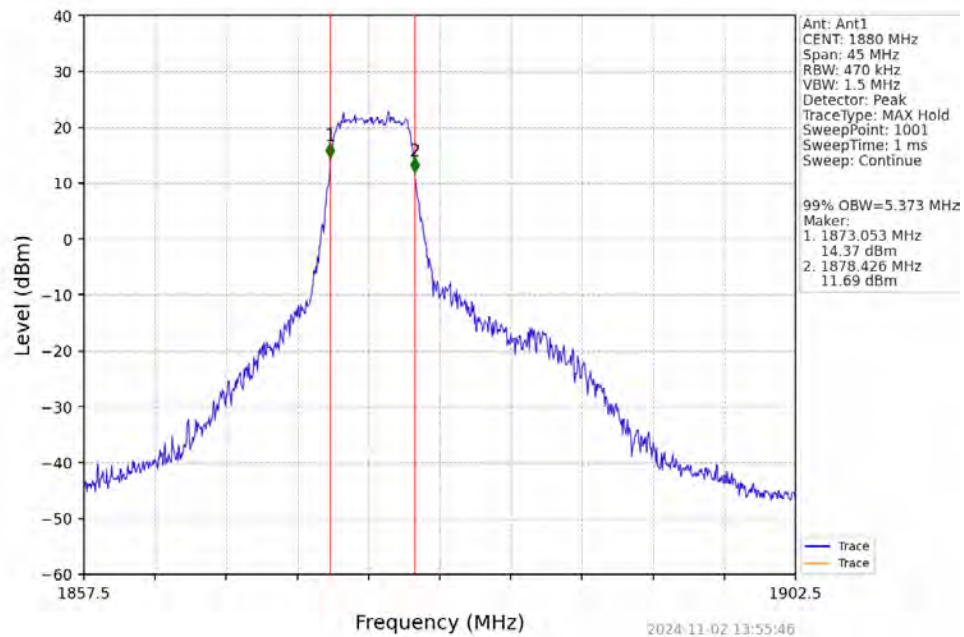
Band2 15MHz QPSK HCH 1902.5MHz RB 75 0 NTNV



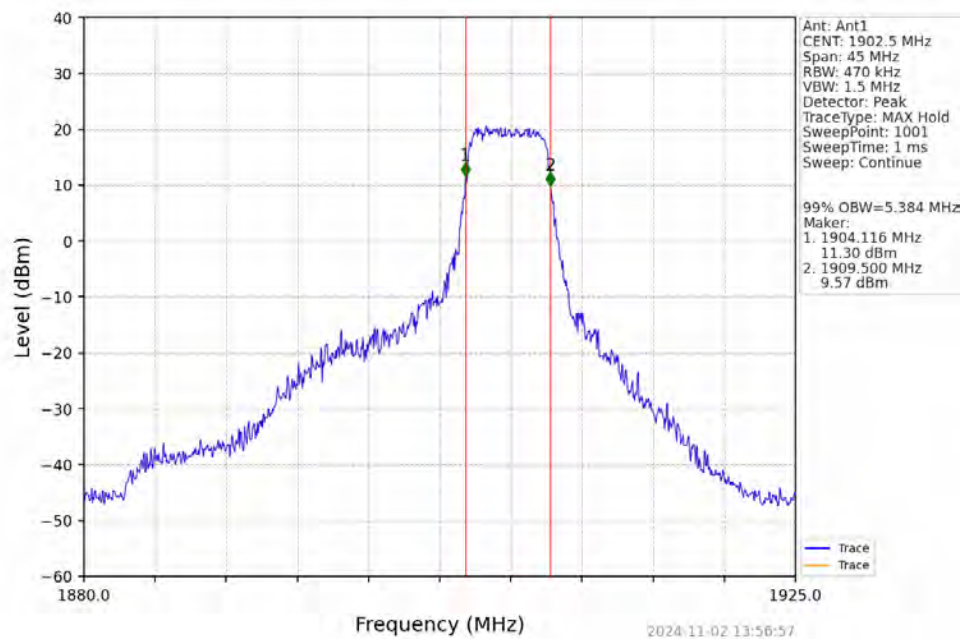
Band2 15MHz 16QAM LCH 1857.5MHz RB 27 0 NTNV



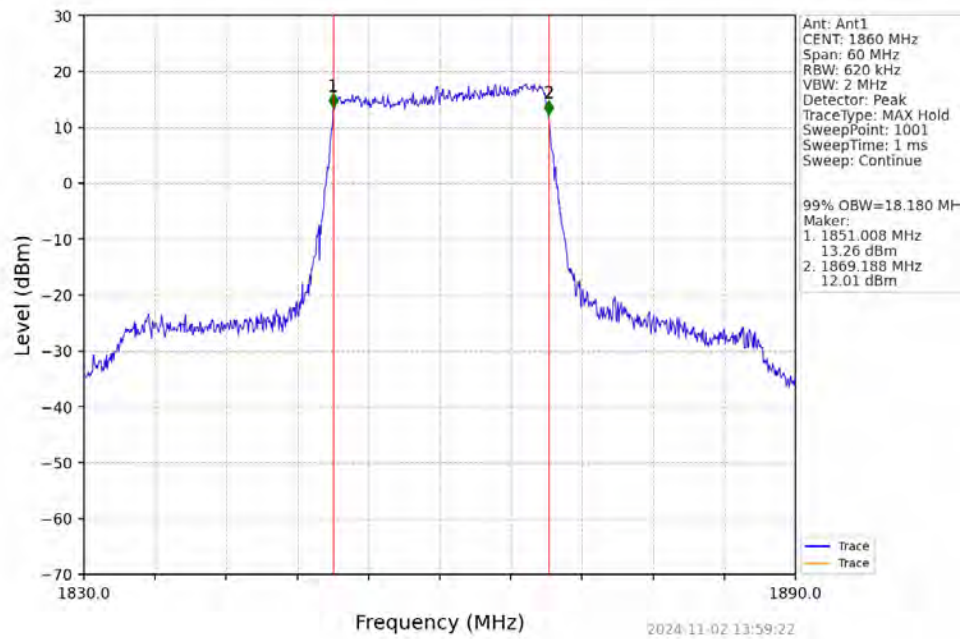
Band2 15MHz 16QAM MCH 1880MHz RB 27 0 NTNV



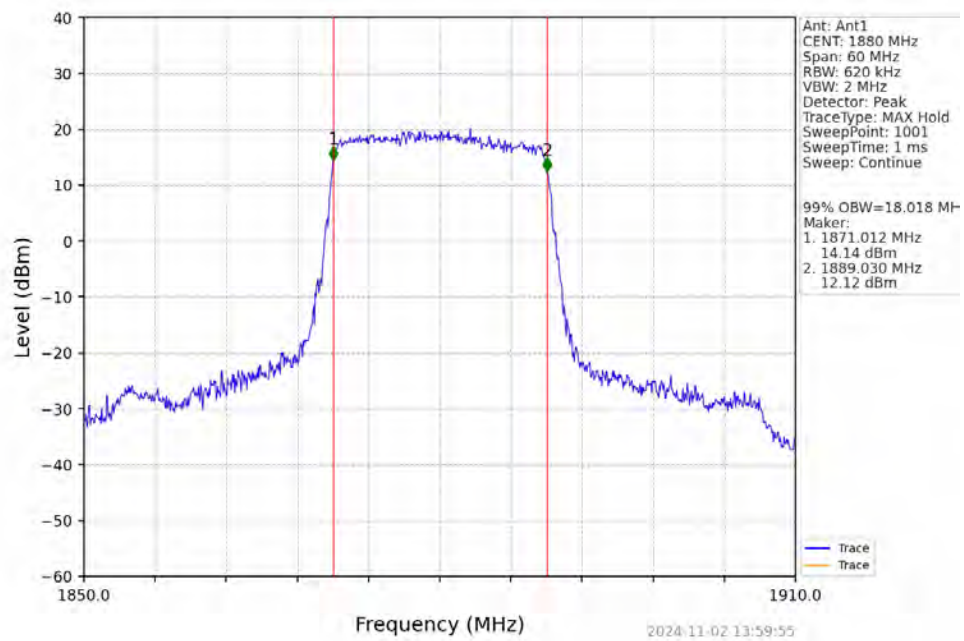
Band2 15MHz 16QAM HCH 1902.5MHz RB 27 48 NTNV



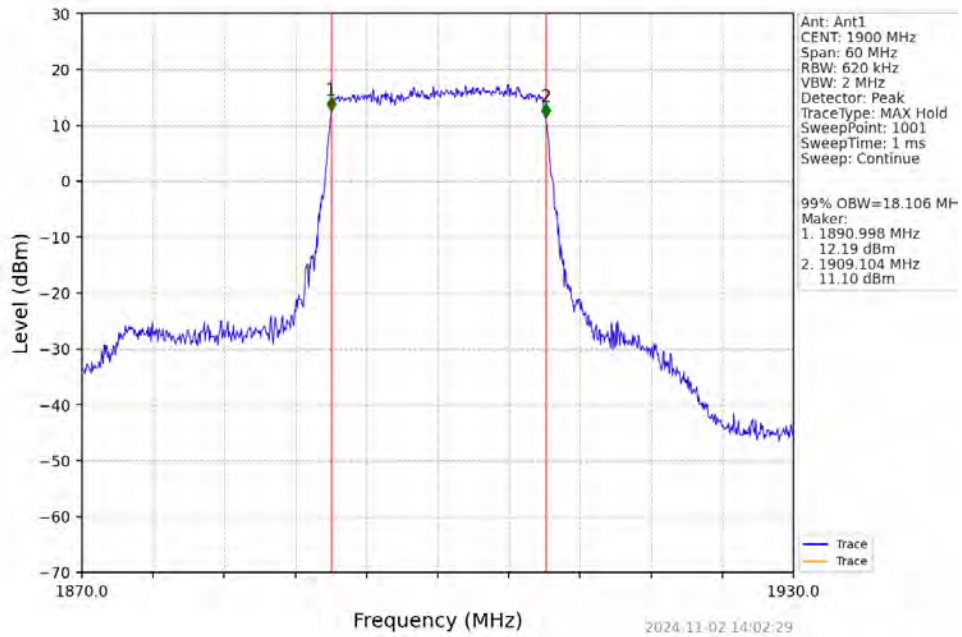
Band2 20MHz QPSK LCH 1860MHz RB 100 0 NTN



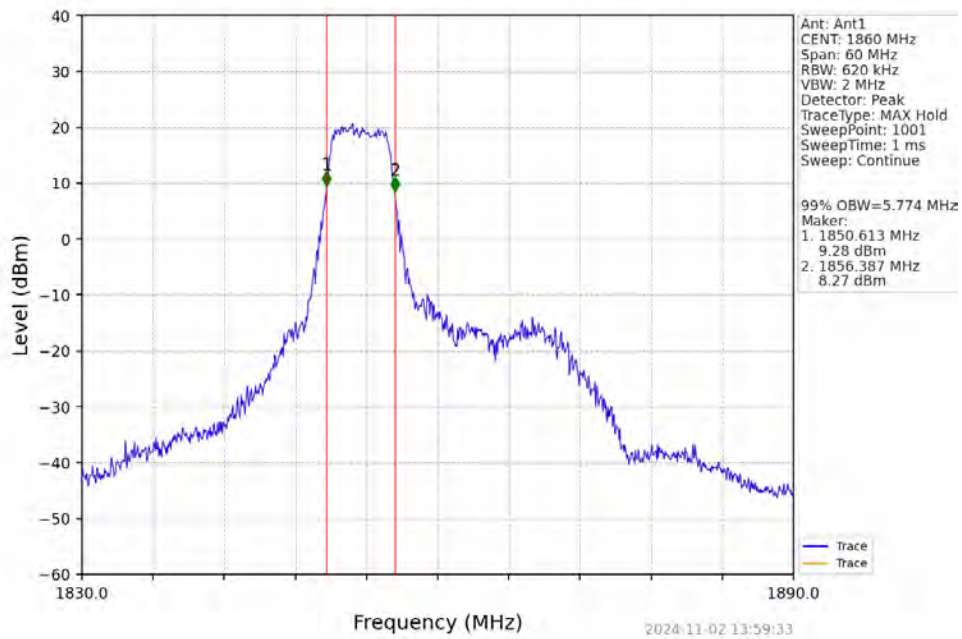
Band2 20MHz QPSK MCH 1880MHz RB 100 0 NTN



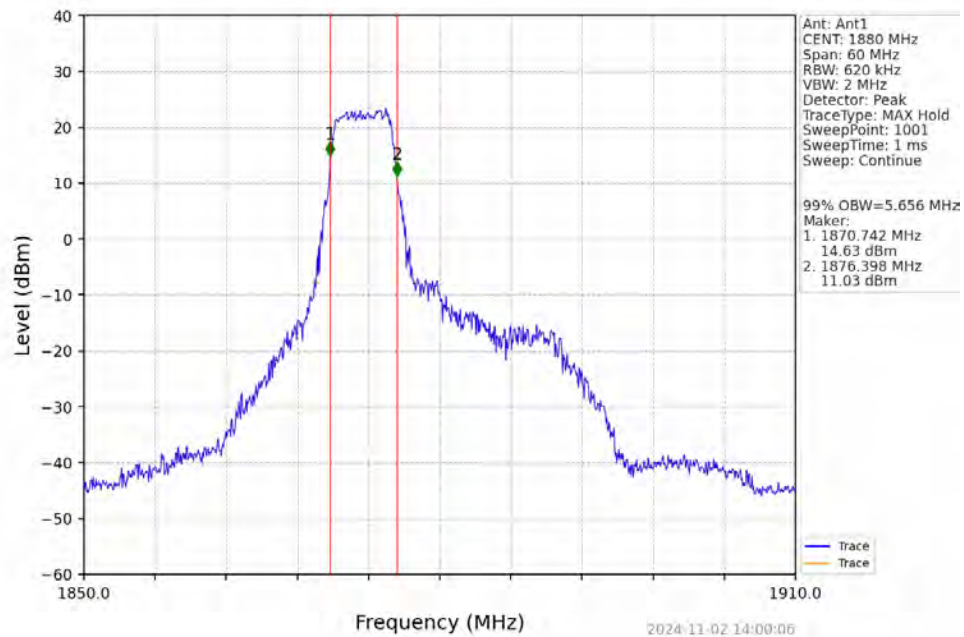
Band2 20MHz QPSK HCH 1900MHz RB 100 0 NTNV



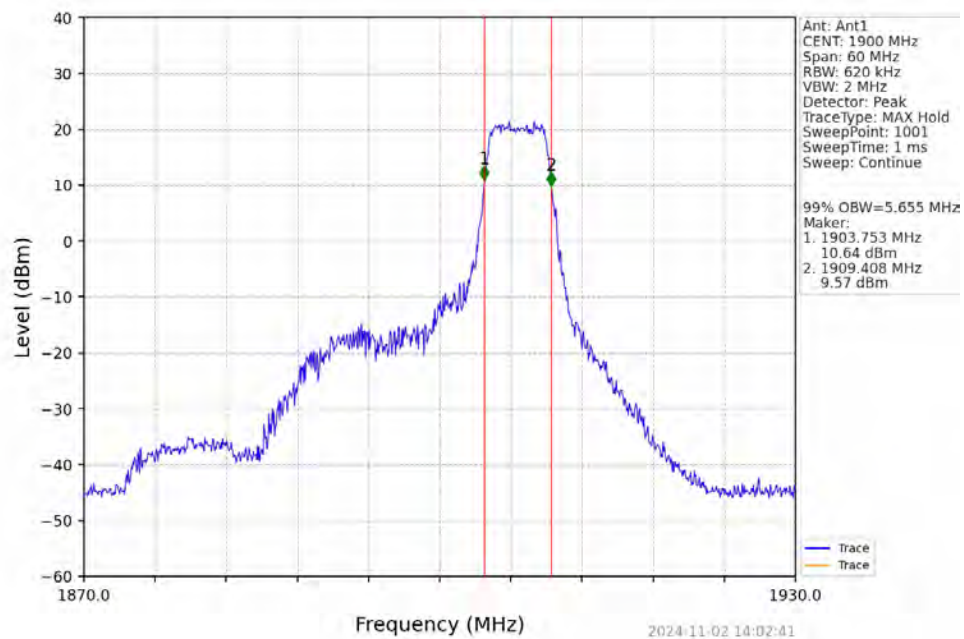
Band2 20MHz 16QAM LCH 1860MHz RB 27 0 NTNV



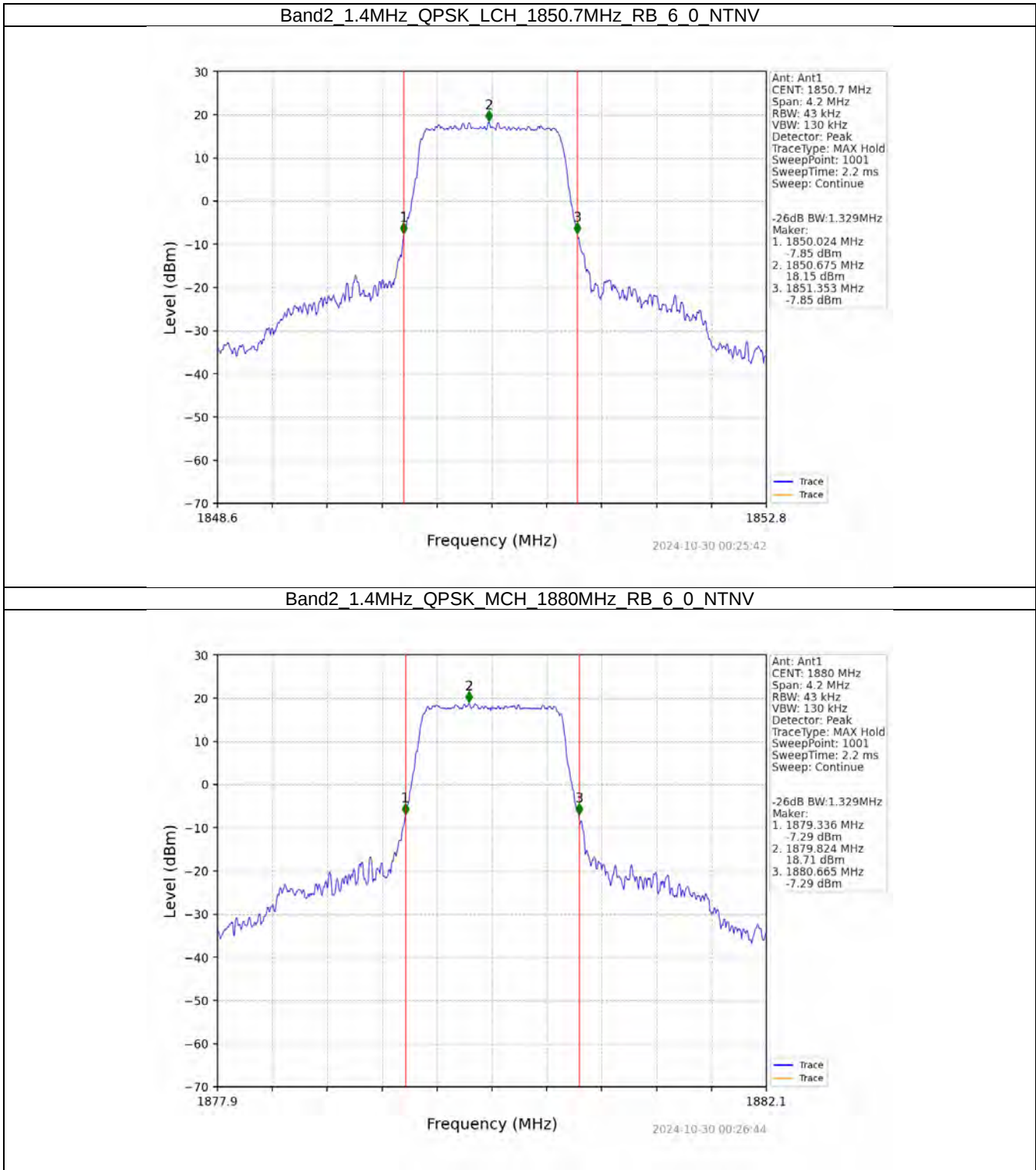
Band2 20MHz 16QAM MCH 1880MHz RB 27 0 NTNV



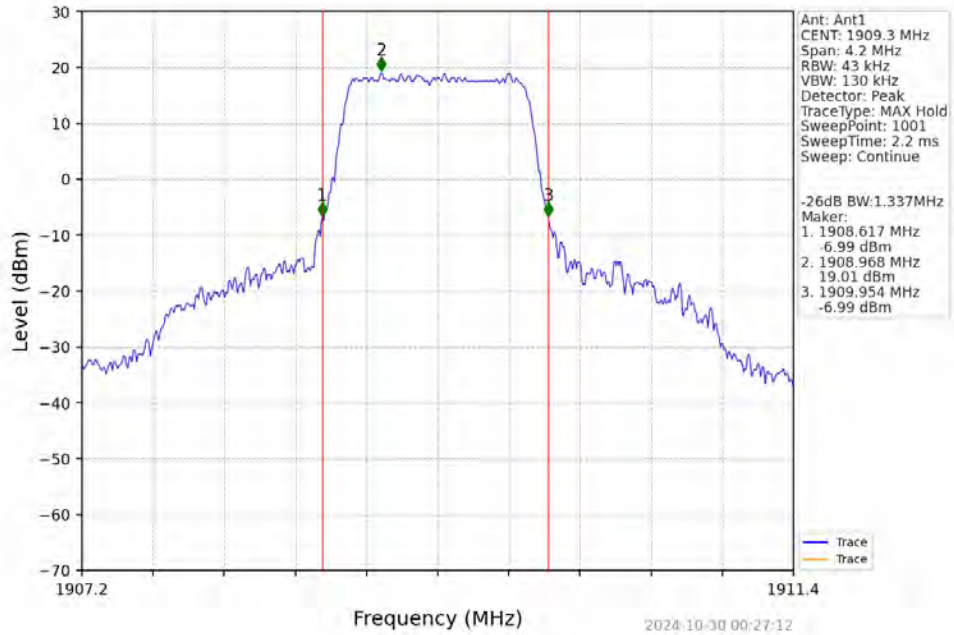
Band2 20MHz 16QAM HCH 1900MHz RB 27 73 NTNV



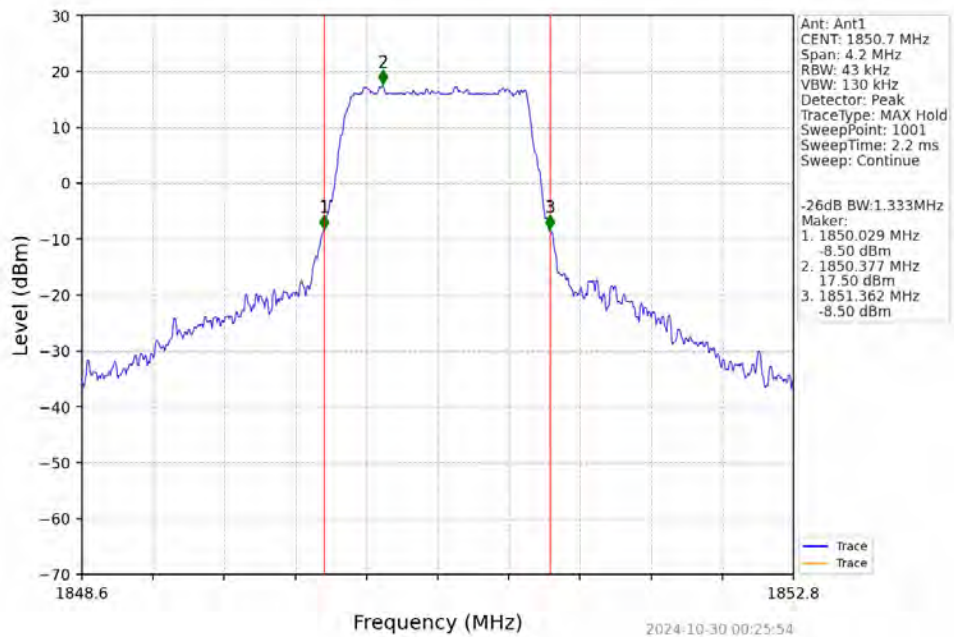
4.2.2 Band2_XDB



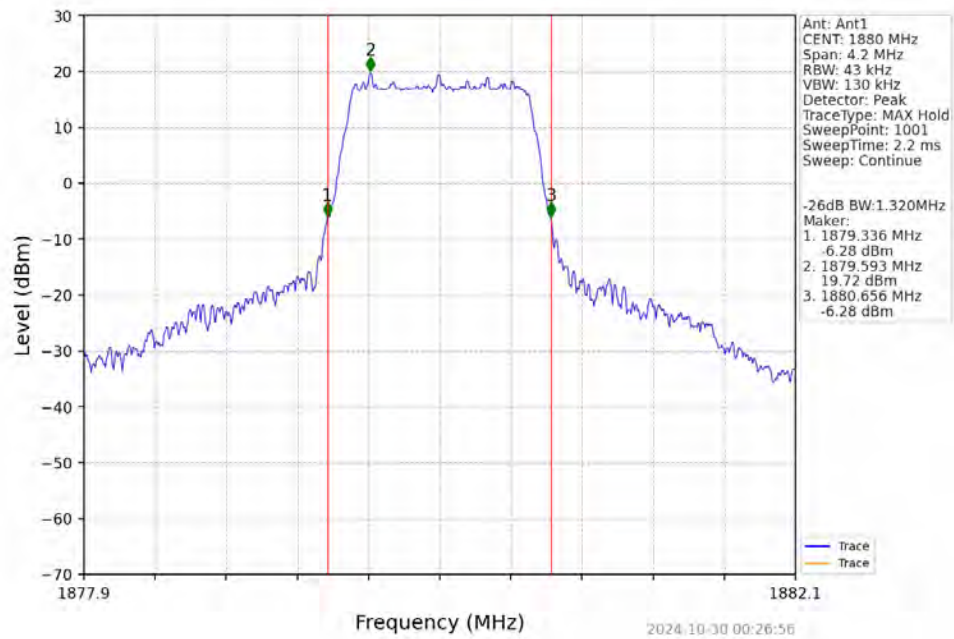
Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTNV



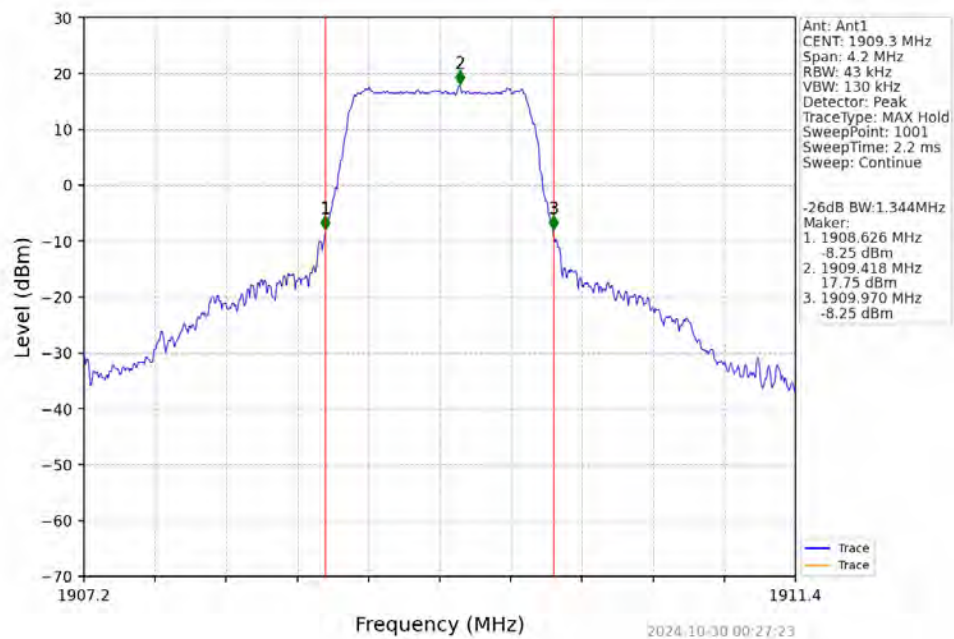
Band2 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTNV



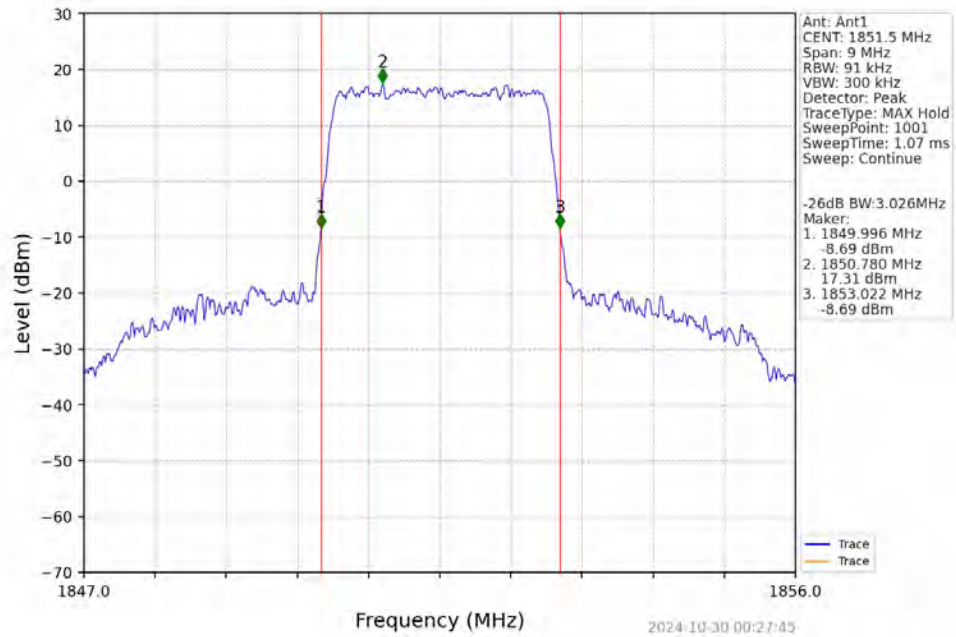
Band2 1.4MHz 16QAM MCH 1880MHz RB 6 0 NTNV



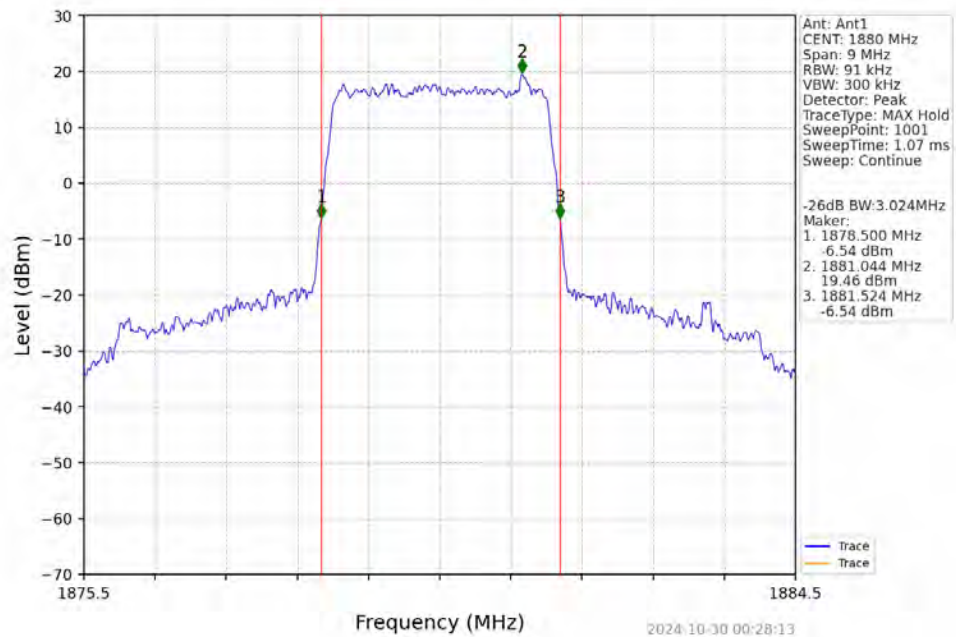
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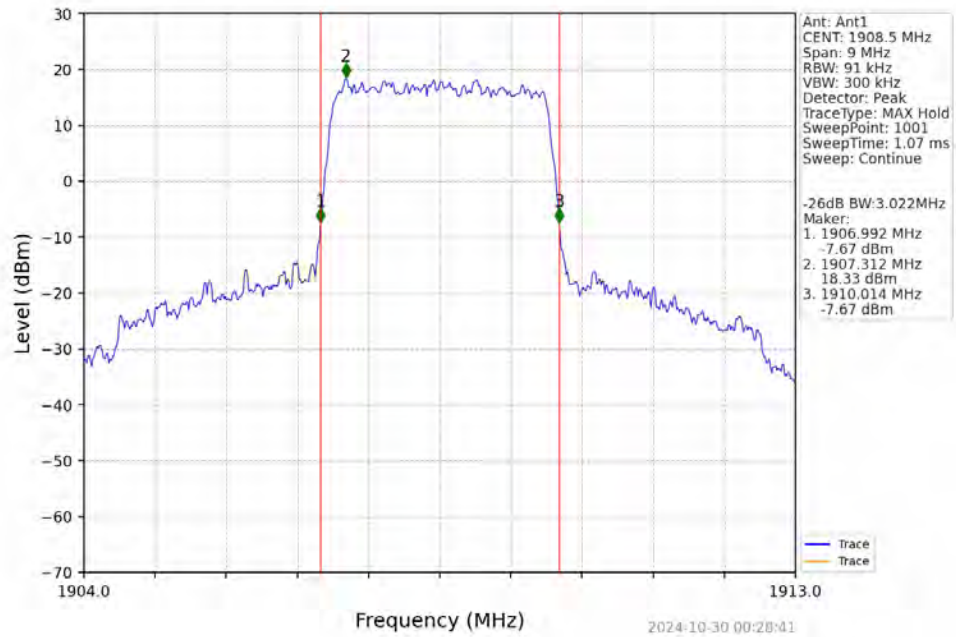
Band2 3MHz QPSK LCH 1851.5MHz RB 15 0 NTNV



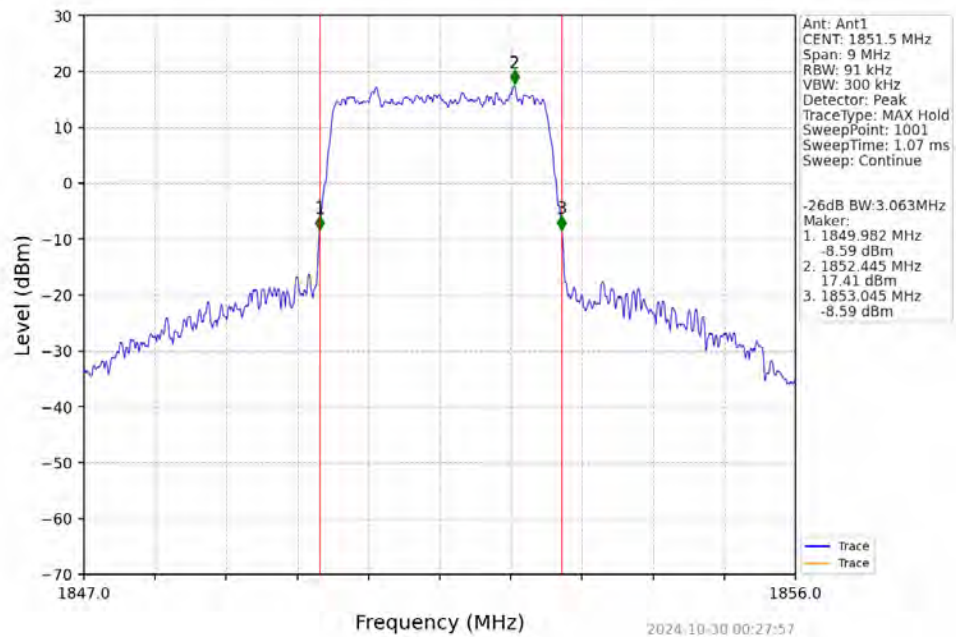
Band2 3MHz QPSK MCH 1880MHz RB 15 0 NTNV



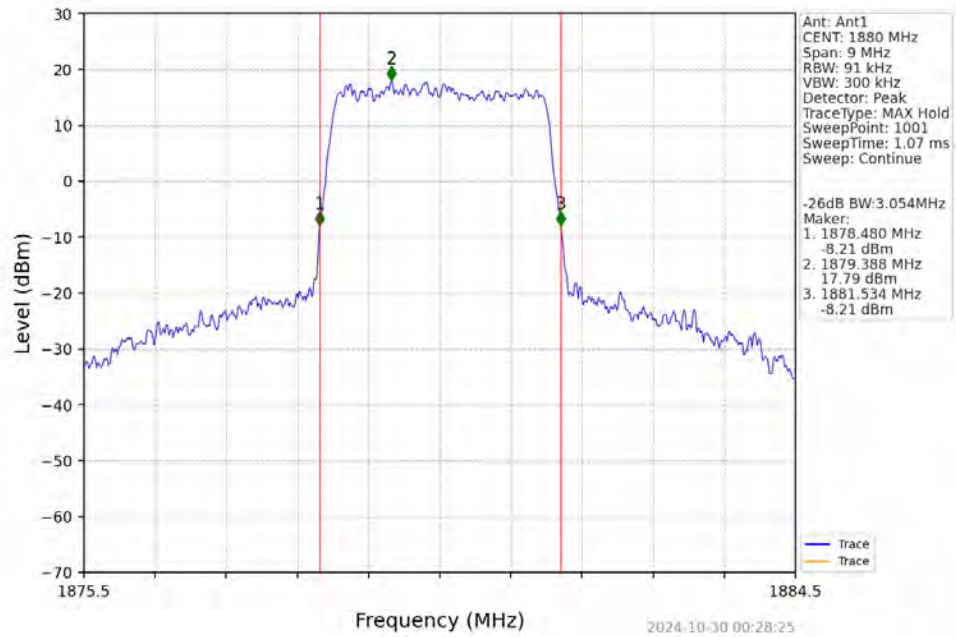
Band2 3MHz QPSK HCH 1908.5MHz RB 15 0 NTN



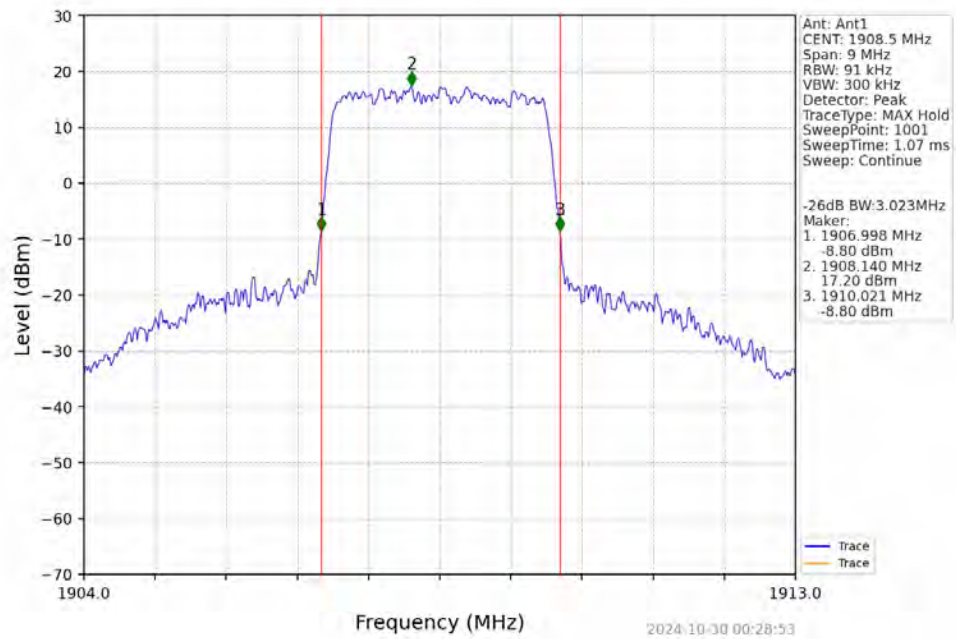
Band2 3MHz 16QAM LCH 1851.5MHz RB 15 0 NTN



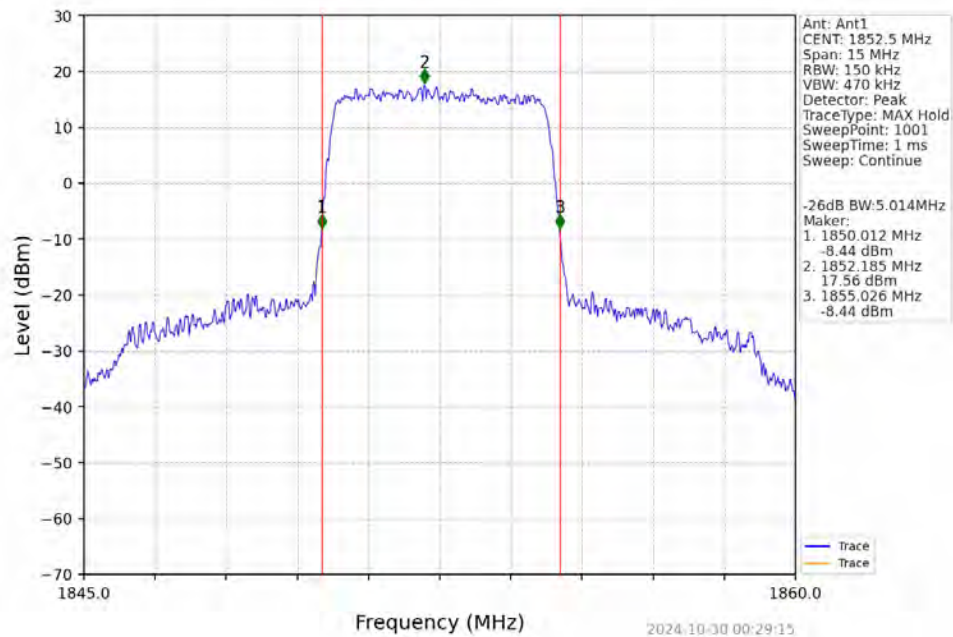
Band2 3MHz 16QAM MCH 1880MHz RB 15 0 NTNV



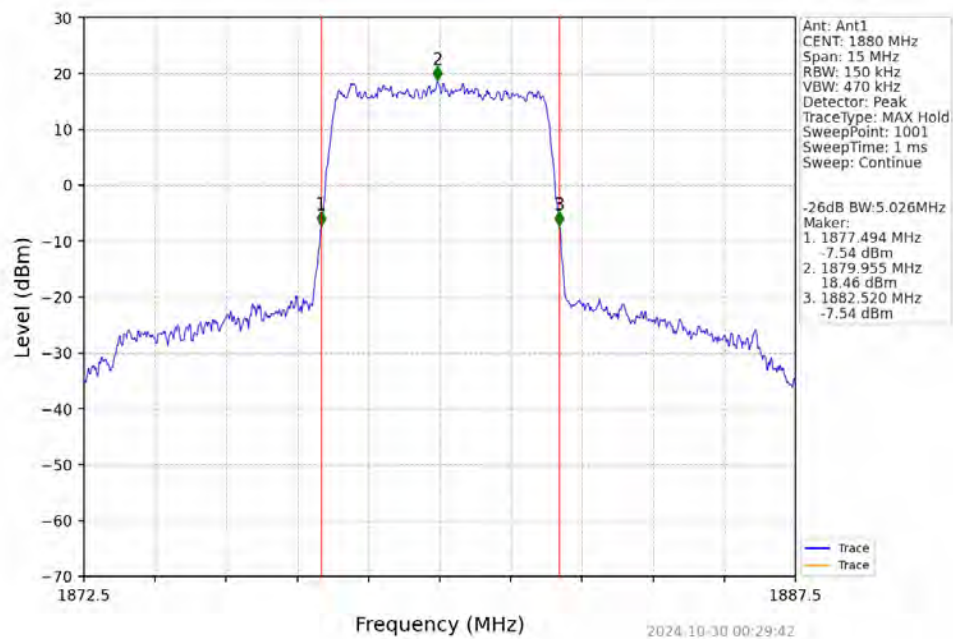
Band2 3MHz 16QAM HCH 1908.5MHz RB 15 0 NTNV



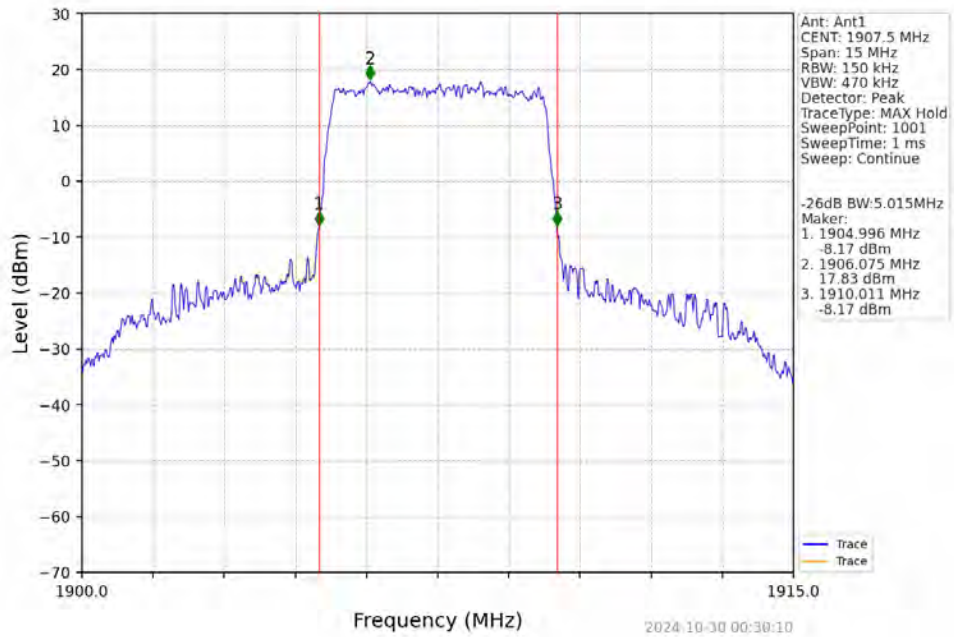
Band2 5MHz QPSK LCH 1852.5MHz RB 25 0 NTNV



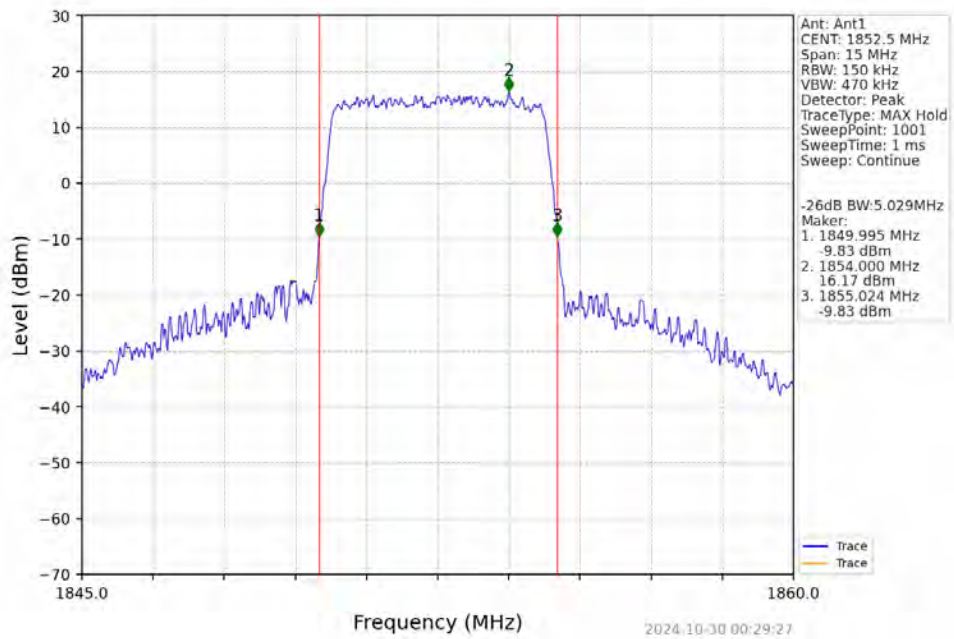
Band2 5MHz QPSK MCH 1880MHz RB 25 0 NTNV



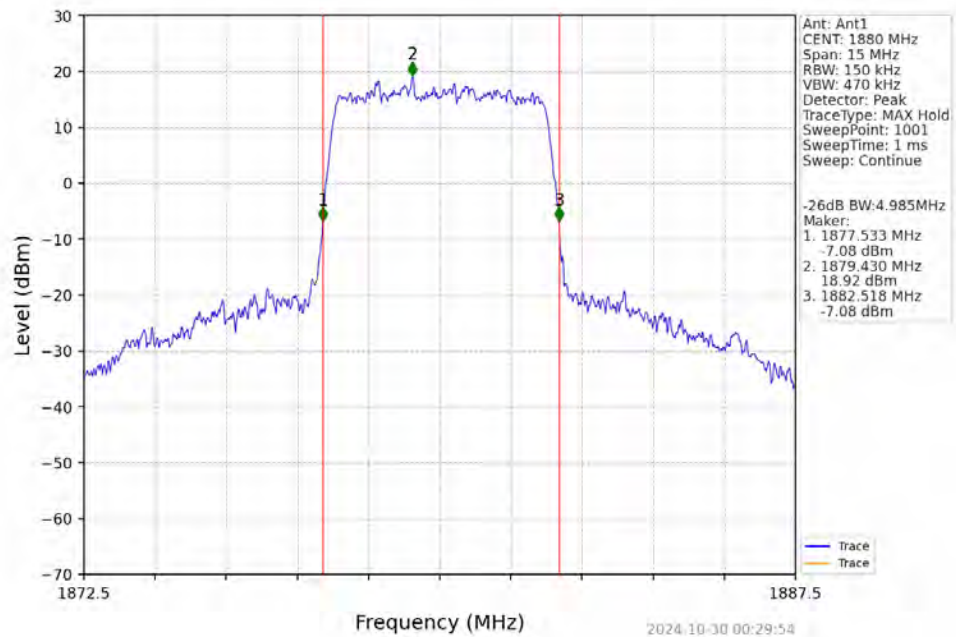
Band2 5MHz QPSK HCH 1907.5MHz RB 25 0 NTNV



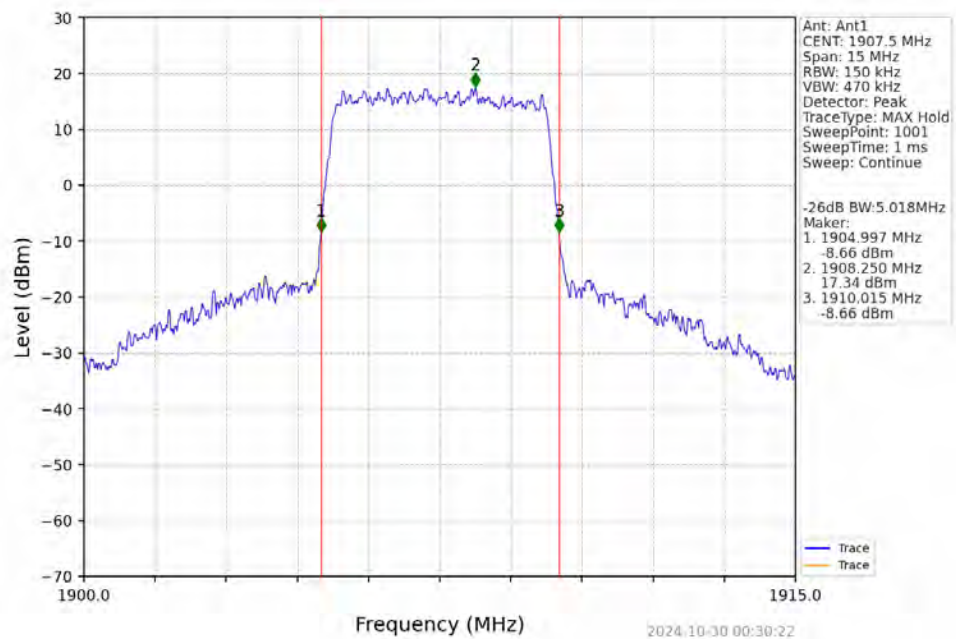
Band2 5MHz 16QAM LCH 1852.5MHz RB 25 0 NTNV



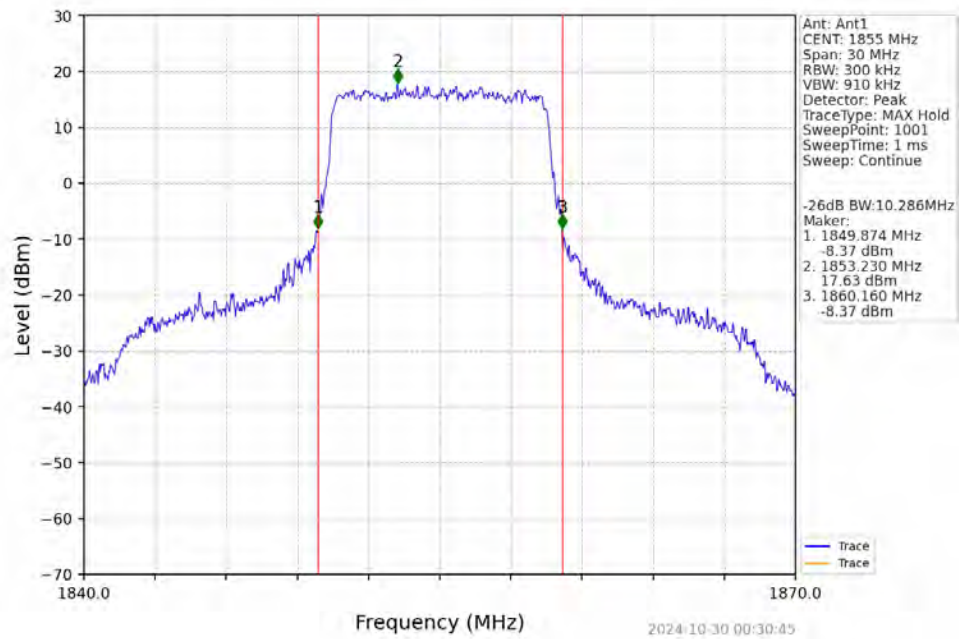
Band2 5MHz 16QAM MCH 1880MHz RB 25 0 NTNV



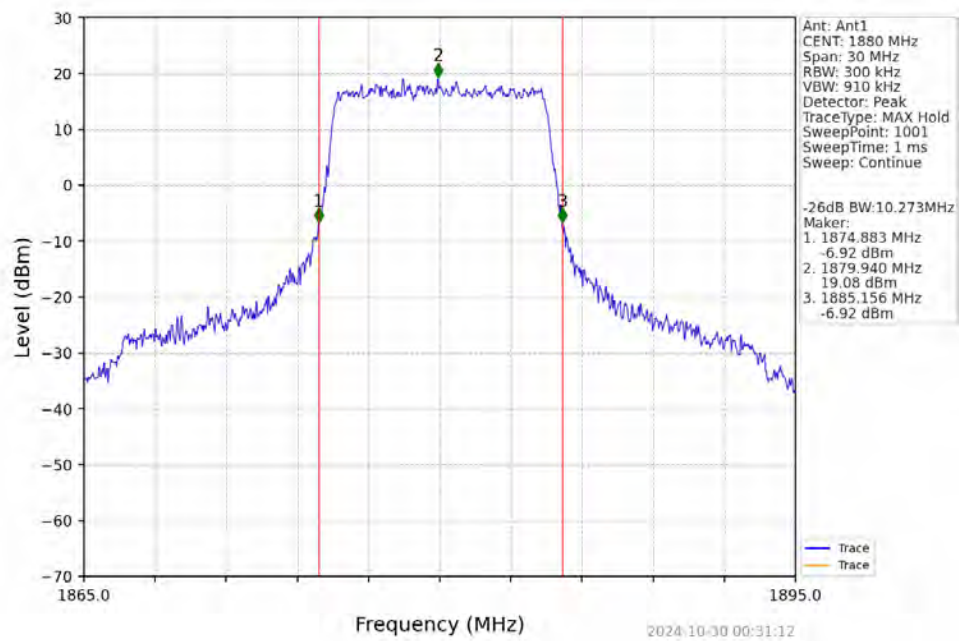
Band2 5MHz 16QAM HCH 1907.5MHz RB 25 0 NTNV



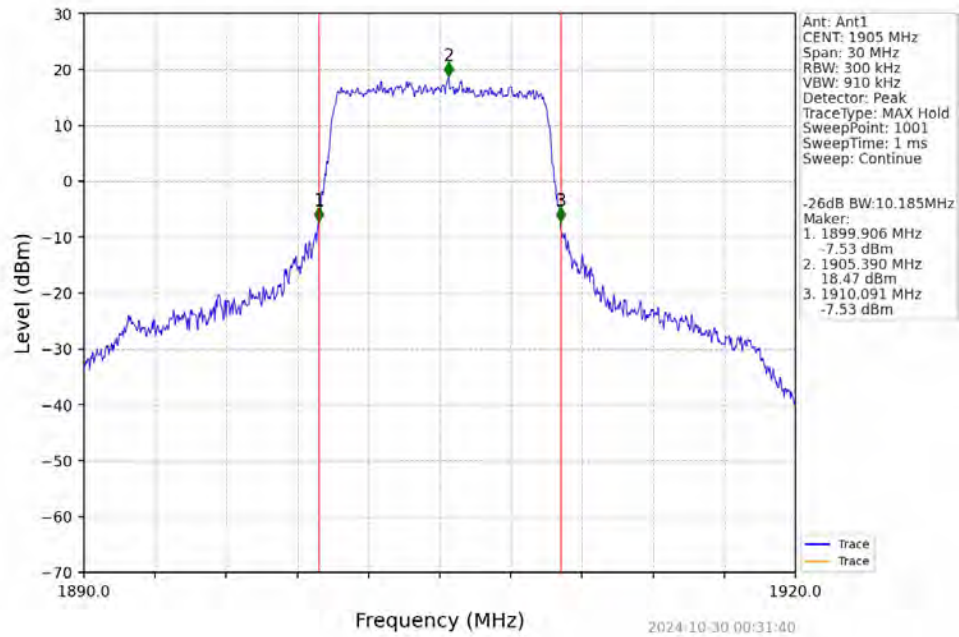
Band2 10MHz QPSK LCH 1855MHz RB 50 0 NTN



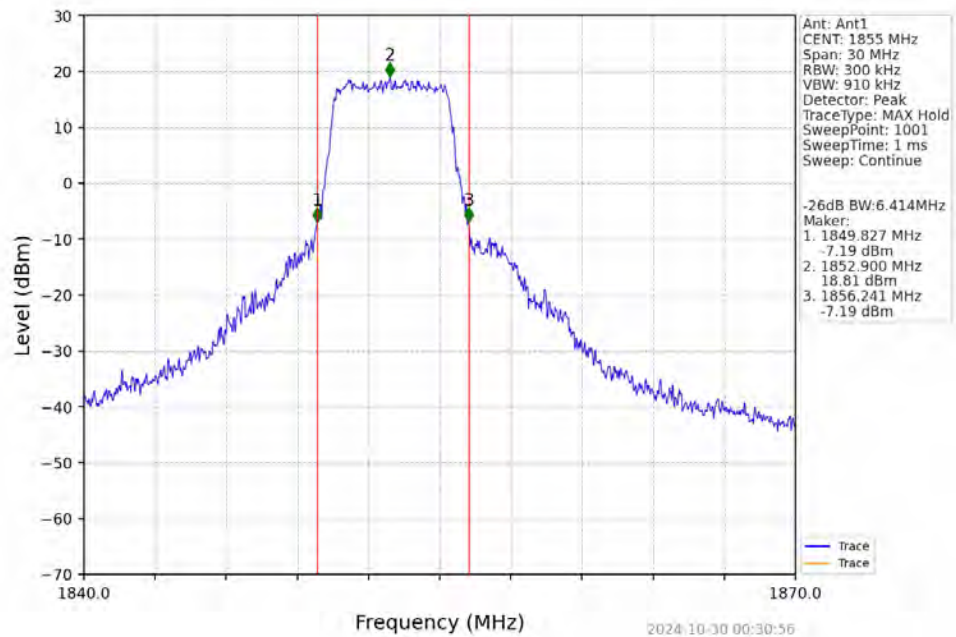
Band2 10MHz QPSK MCH 1880MHz RB 50 0 NTN



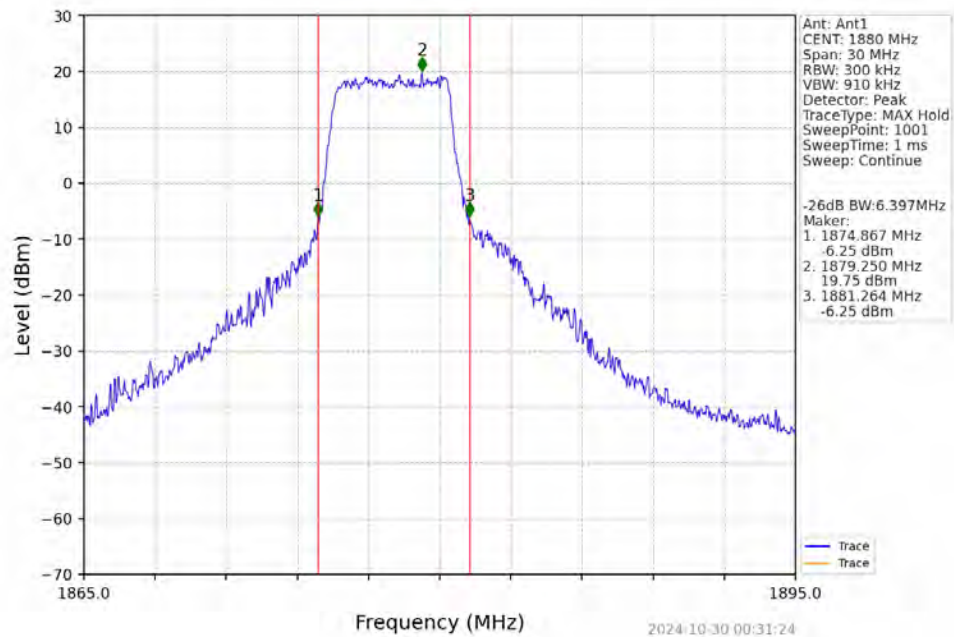
Band2 10MHz QPSK HCH 1905MHz RB 50 0 NTN



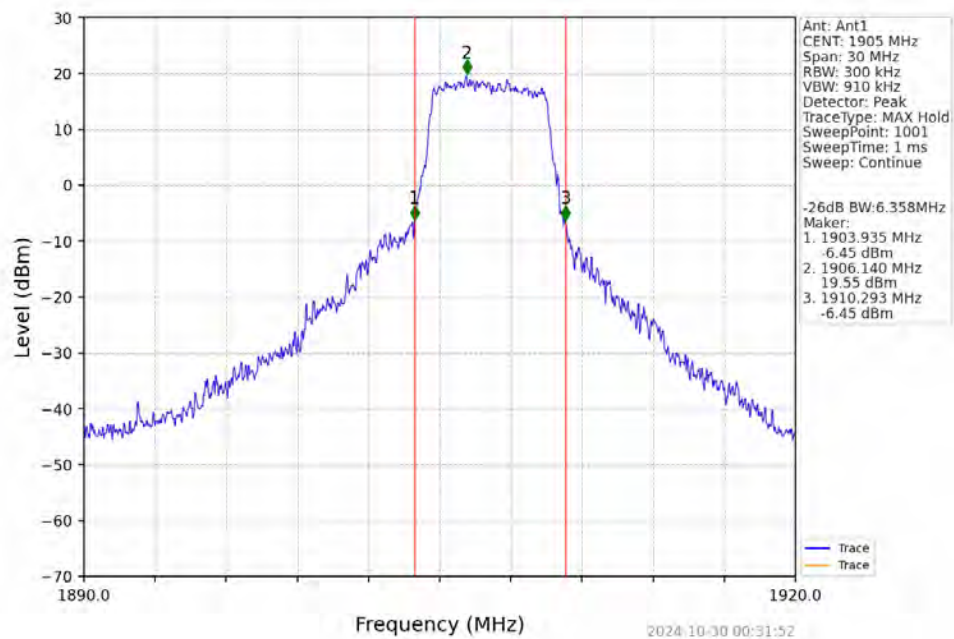
Band2 10MHz 16QAM LCH 1855MHz RB 27 0 NTN



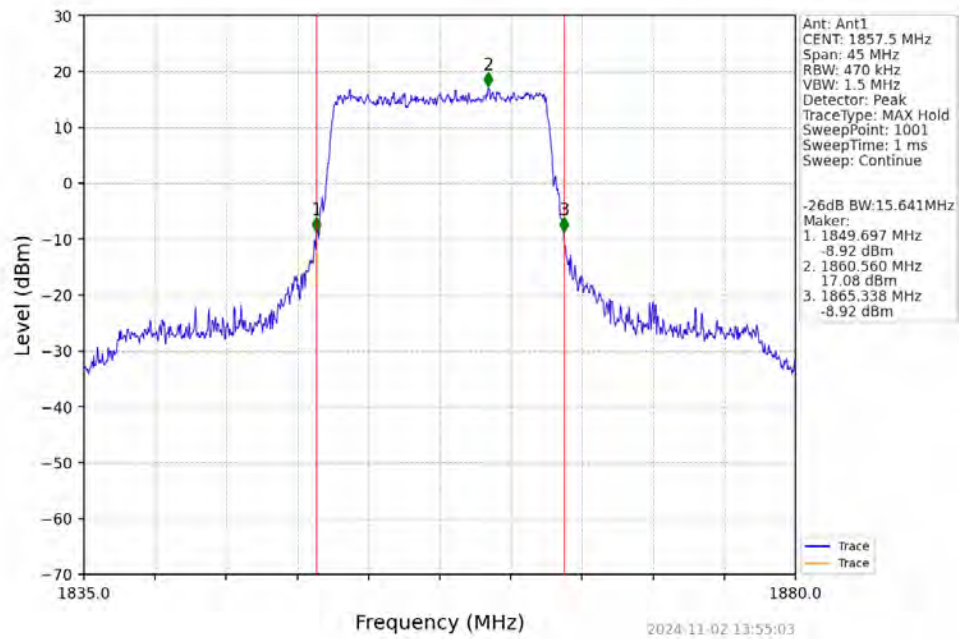
Band2 10MHz 16QAM MCH 1880MHz RB 27 0 NTNV



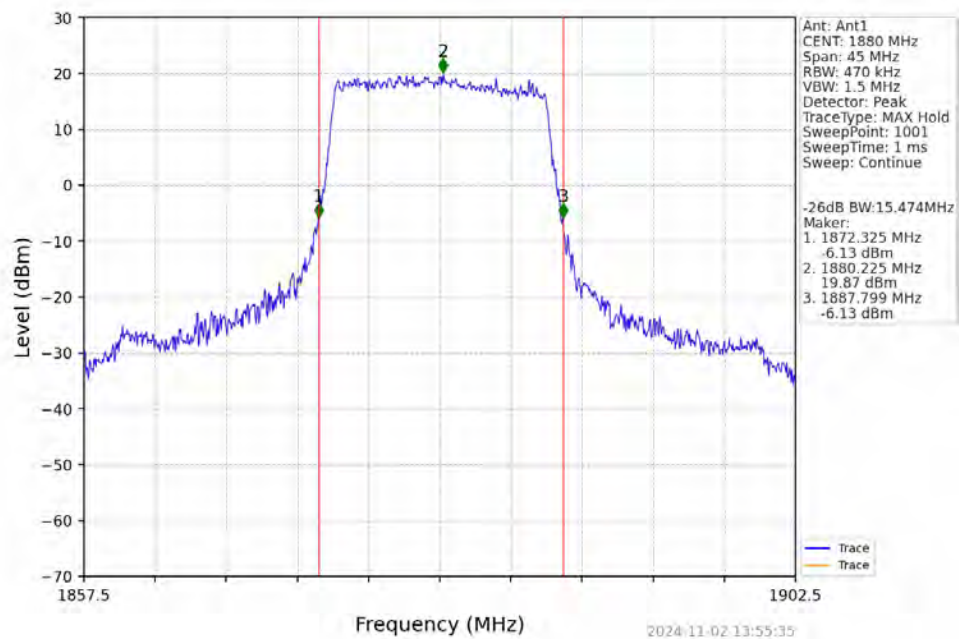
Band2 10MHz 16QAM HCH 1905MHz RB 27 23 NTNV



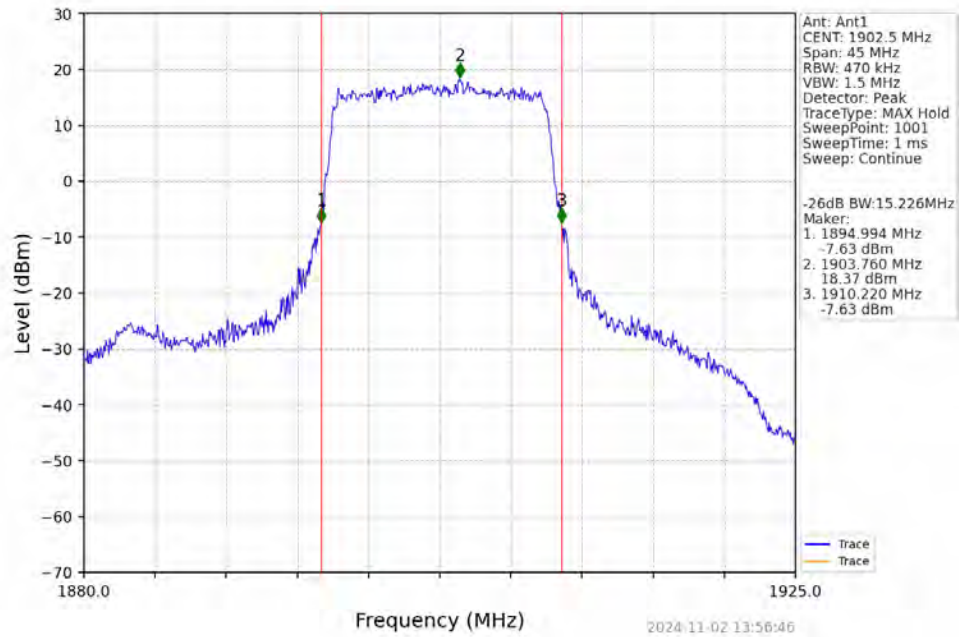
Band2 15MHz QPSK LCH 1857.5MHz RB 75 0 NTNV



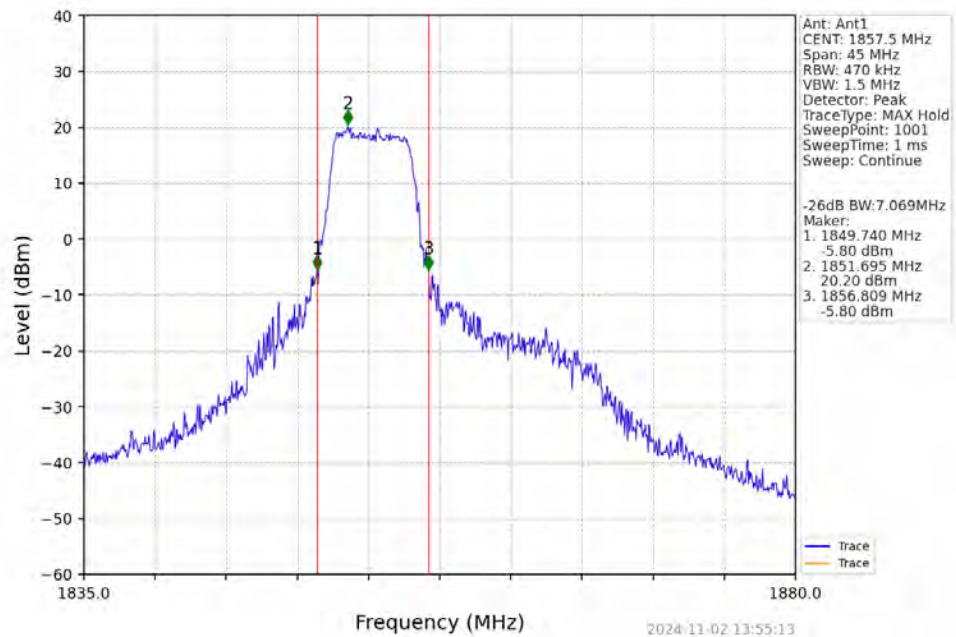
Band2 15MHz QPSK MCH 1880MHz RB 75 0 NTNV



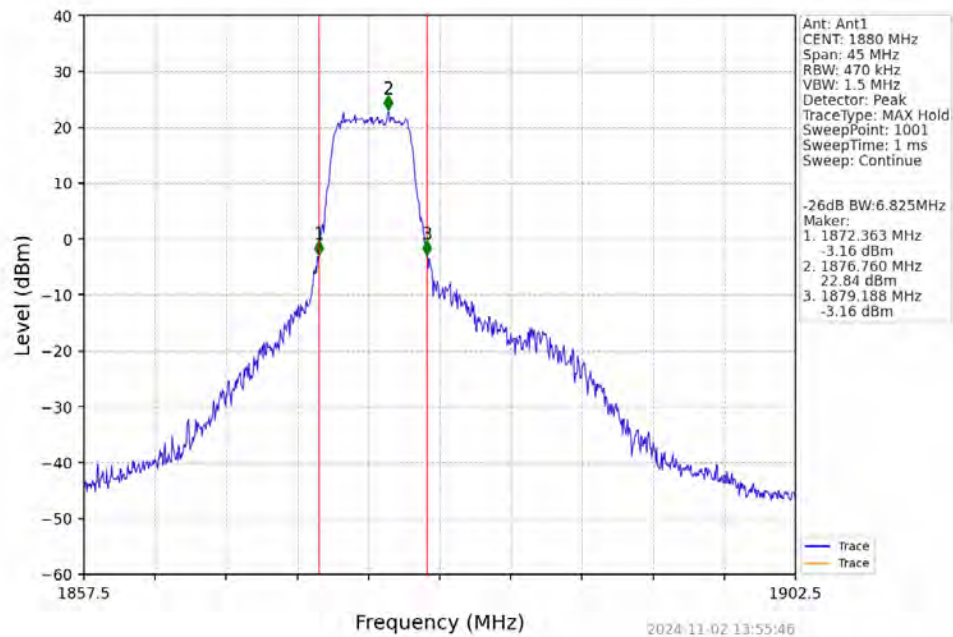
Band2 15MHz QPSK HCH 1902.5MHz RB 75 0 NTNV



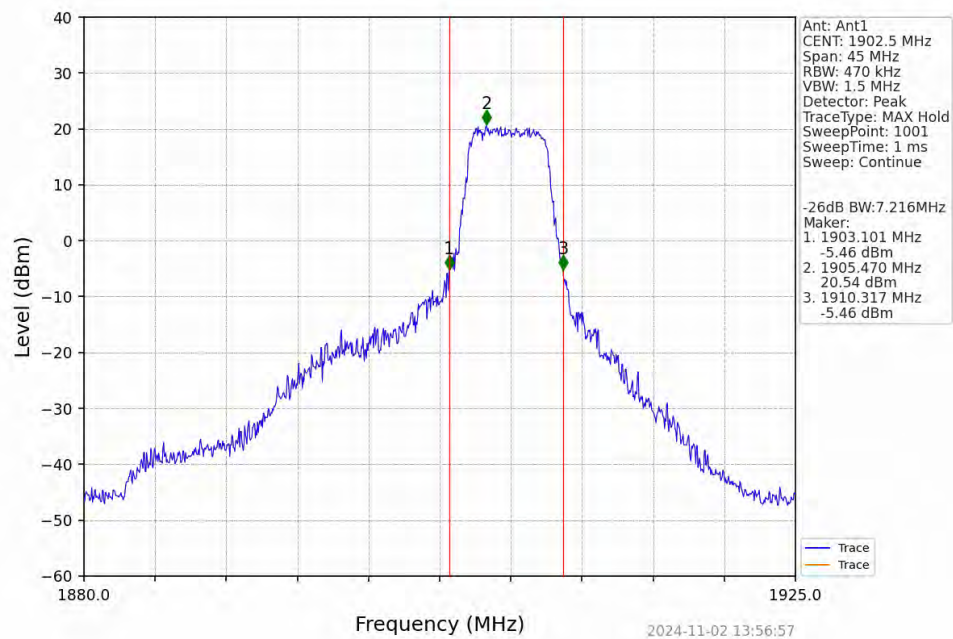
Band2 15MHz 16QAM LCH 1857.5MHz RB 27 0 NTNV



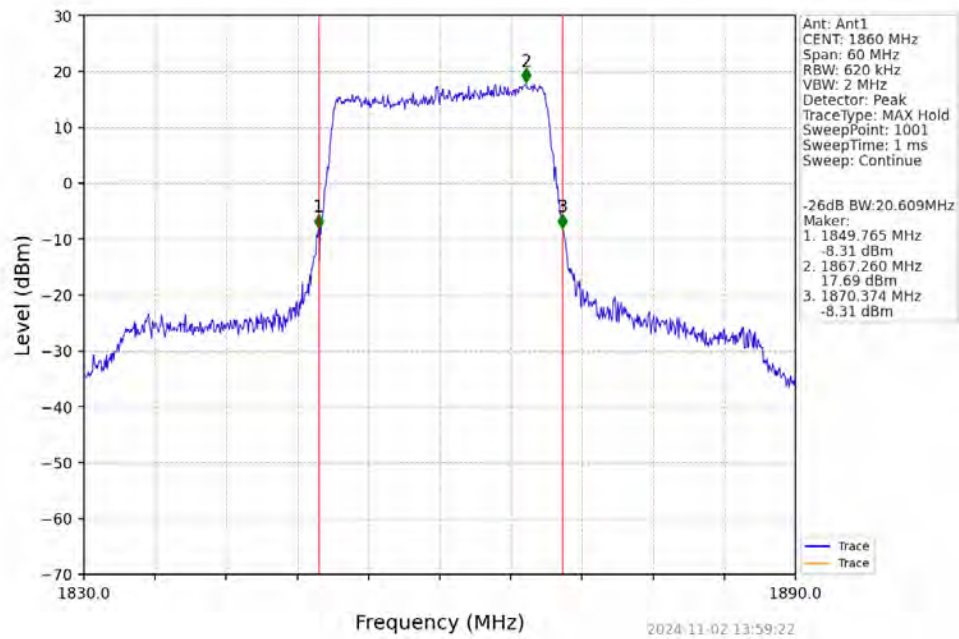
Band2 15MHz 16QAM MCH 1880MHz RB 27 0 NTNV



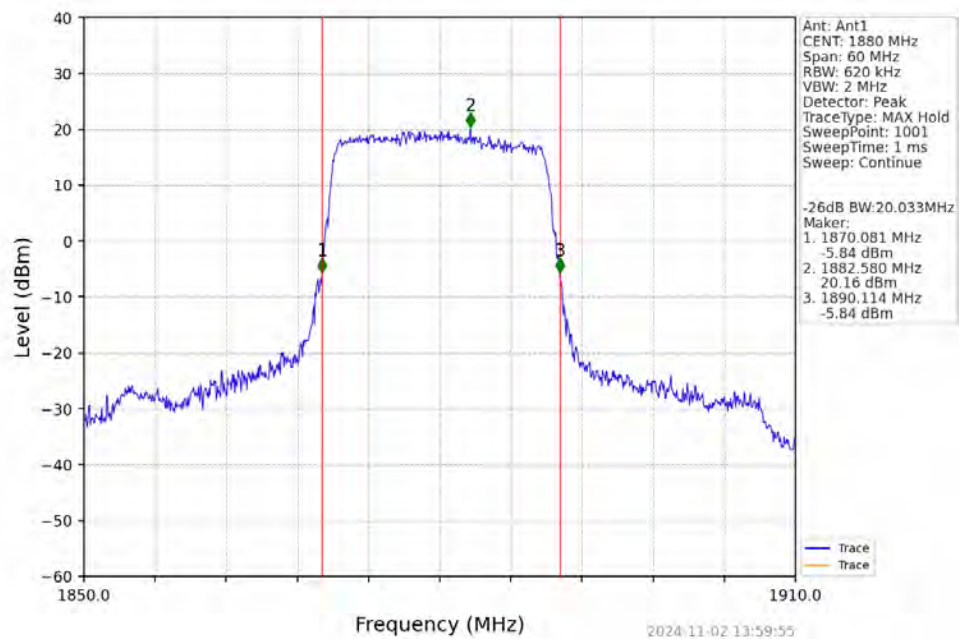
Band2 15MHz 16QAM HCH 1902.5MHz RB 27 48 NTNV



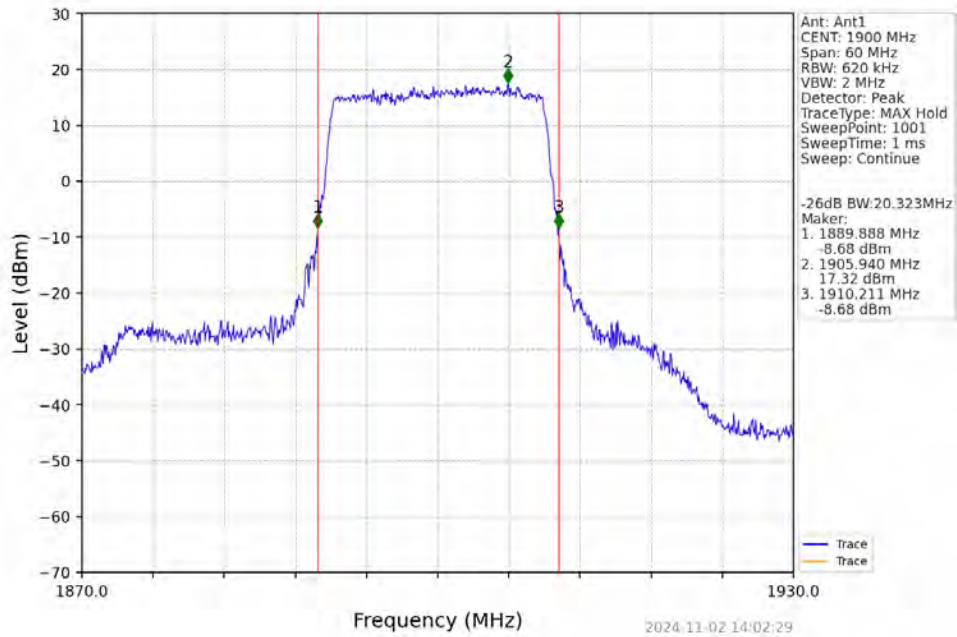
Band2 20MHz QPSK LCH 1860MHz RB 100 0 NTNV



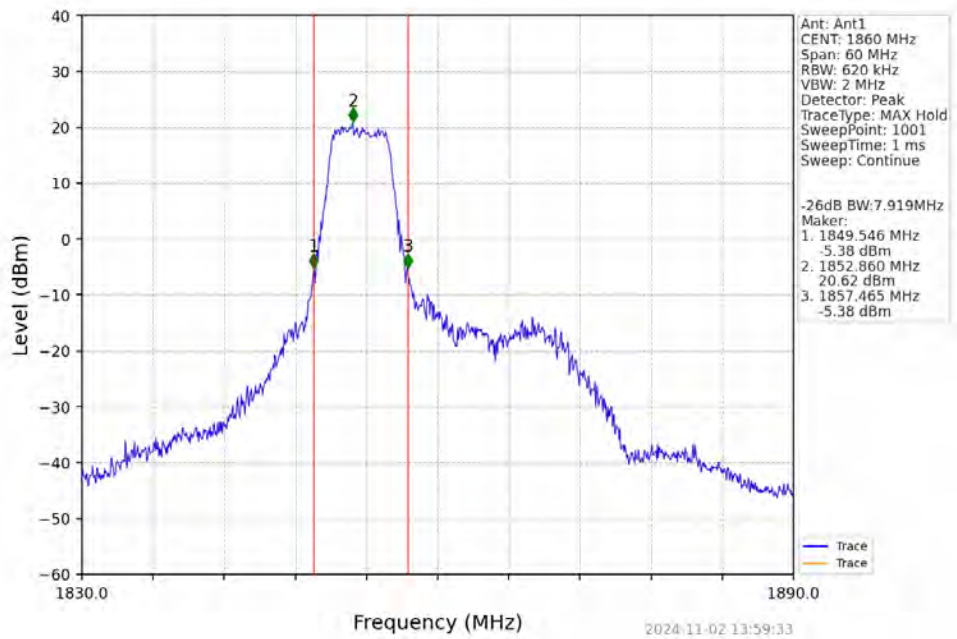
Band2 20MHz QPSK MCH 1880MHz RB 100 0 NTNV



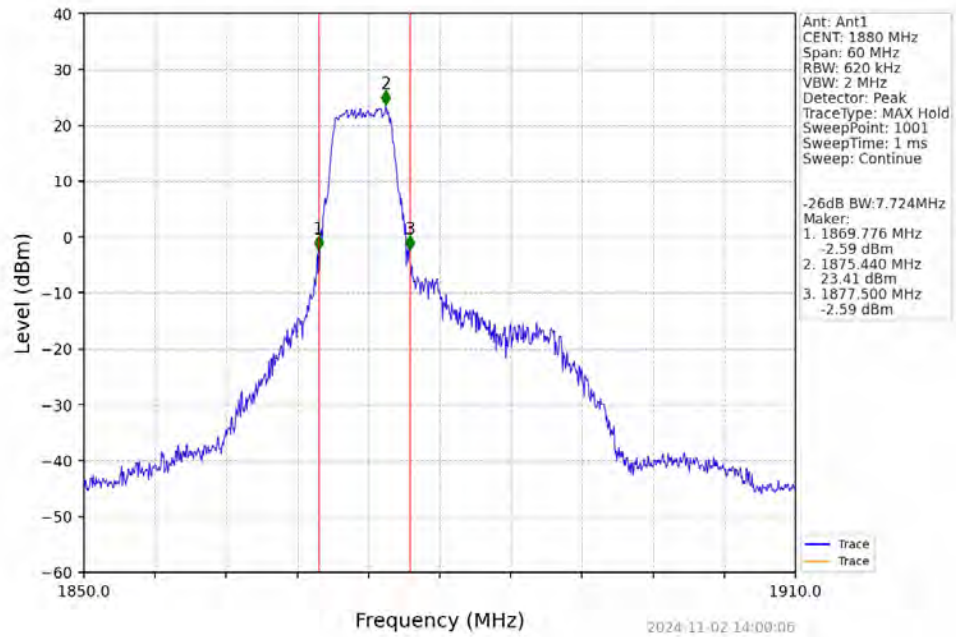
Band2 20MHz QPSK HCH 1900MHz RB 100 0 NTNV



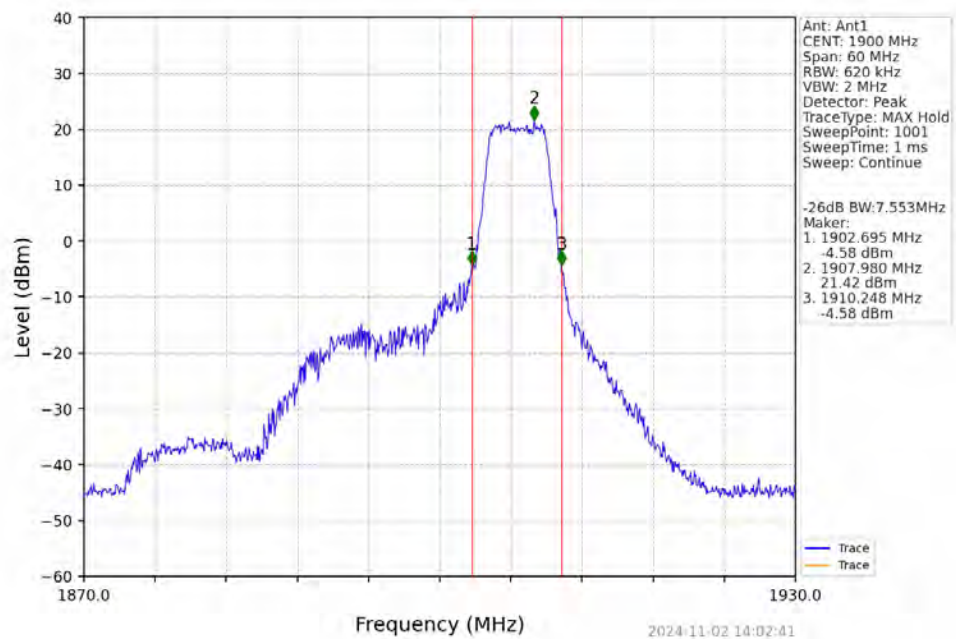
Band2 20MHz 16QAM LCH 1860MHz RB 27 0 NTNV



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	5.37	<=13	Pass
	1880	6	0	5.46	<=13	Pass
	1909.3	6	0	5.17	<=13	Pass
16QAM	1850.7	6	0	6.00	<=13	Pass
	1880	6	0	6.27	<=13	Pass
	1909.3	6	0	5.89	<=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	5.16	<=13	Pass
	1880	15	0	5.21	<=13	Pass
	1908.5	15	0	4.98	<=13	Pass
16QAM	1851.5	15	0	5.85	<=13	Pass
	1880	15	0	5.93	<=13	Pass
	1908.5	15	0	5.77	<=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	5.30	<=13	Pass
	1880	25	0	5.29	<=13	Pass
	1907.5	25	0	5.29	<=13	Pass
16QAM	1852.5	25	0	5.93	<=13	Pass
	1880	25	0	5.96	<=13	Pass
	1907.5	25	0	6.04	<=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	5.33	<=13	Pass
	1880	50	0	5.27	<=13	Pass
	1905	50	0	5.19	<=13	Pass
16QAM	1855	27	0	5.82	<=13	Pass
	1880	27	0	5.92	<=13	Pass

	1905	27	23	5.80	<=13	Pass
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5.1.5 B2_15MHz

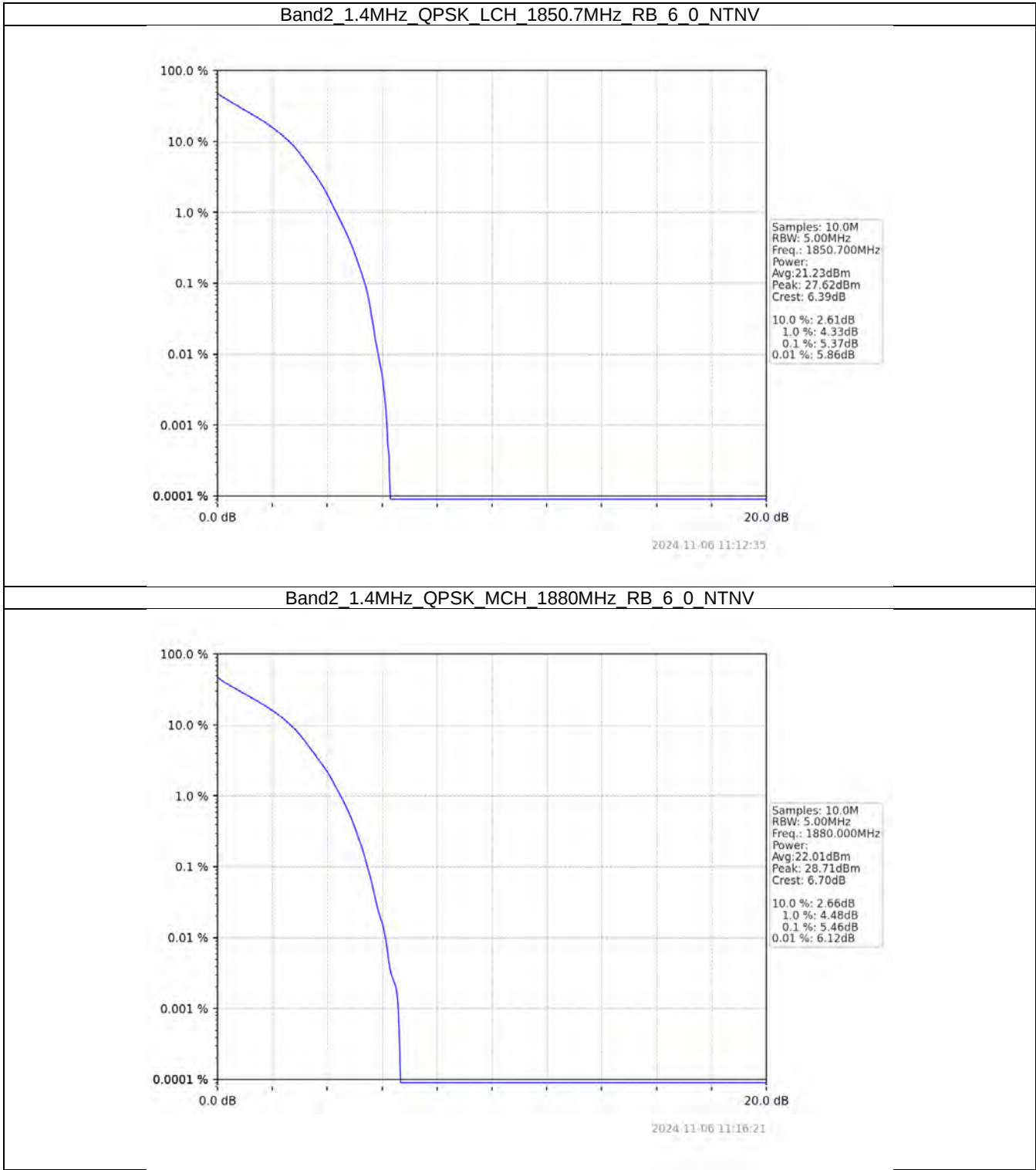
Band: 2 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.68	<=13	Pass
	1880	75	0	5.68	<=13	Pass
	1902.5	75	0	5.54	<=13	Pass
16QAM	1857.5	27	0	12.74	<=13	Pass
	1880	27	0	6.01	<=13	Pass
	1902.5	27	48	12.12	<=13	Pass

5.1.6 B2_20MHz

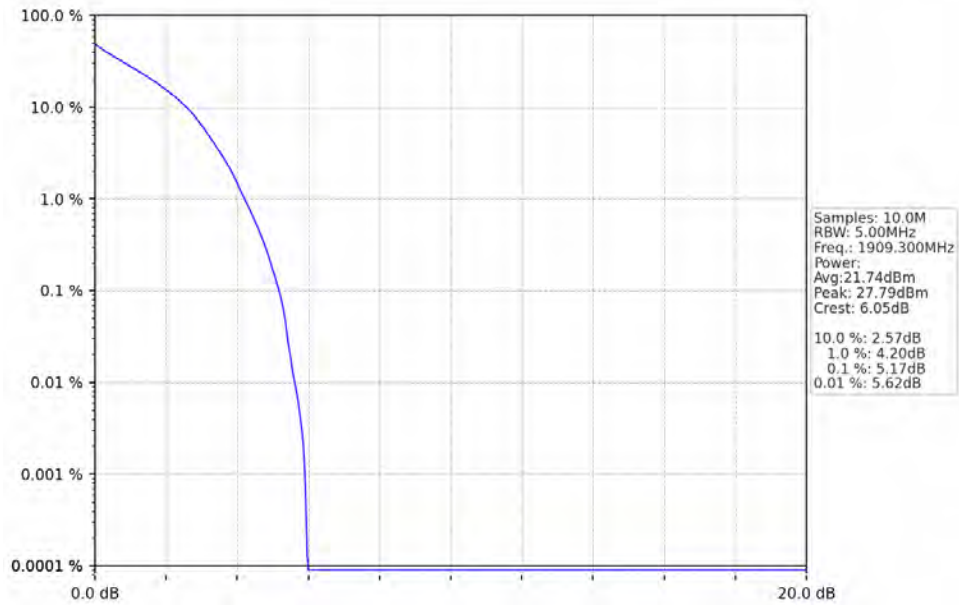
Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.63	<=13	Pass
	1880	100	0	5.16	<=13	Pass
	1900	100	0	5.39	<=13	Pass
16QAM	1860	27	0	6.07	<=13	Pass
	1880	27	0	6.04	<=13	Pass
	1900	27	73	11.32	<=13	Pass

5.2 Test Graph

5.2.1 B2_1.4MHz

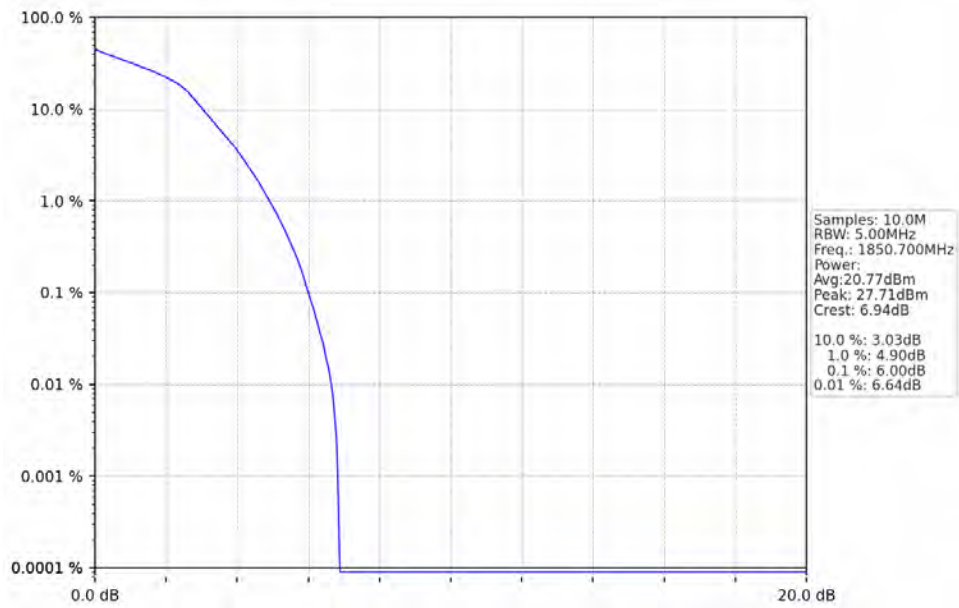


Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTNV



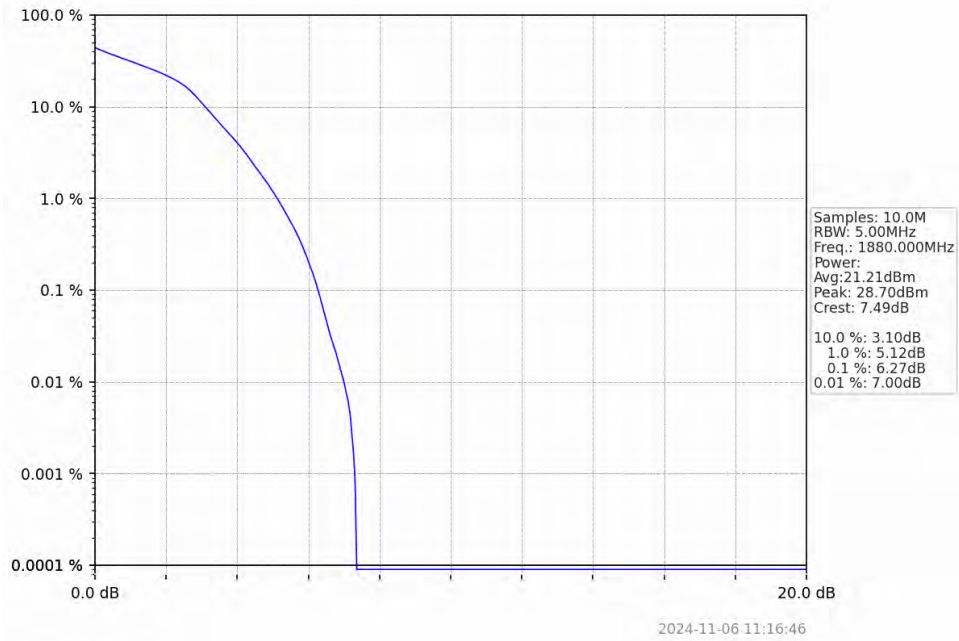
2024-11-06 11:17:10

Band2 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTNV

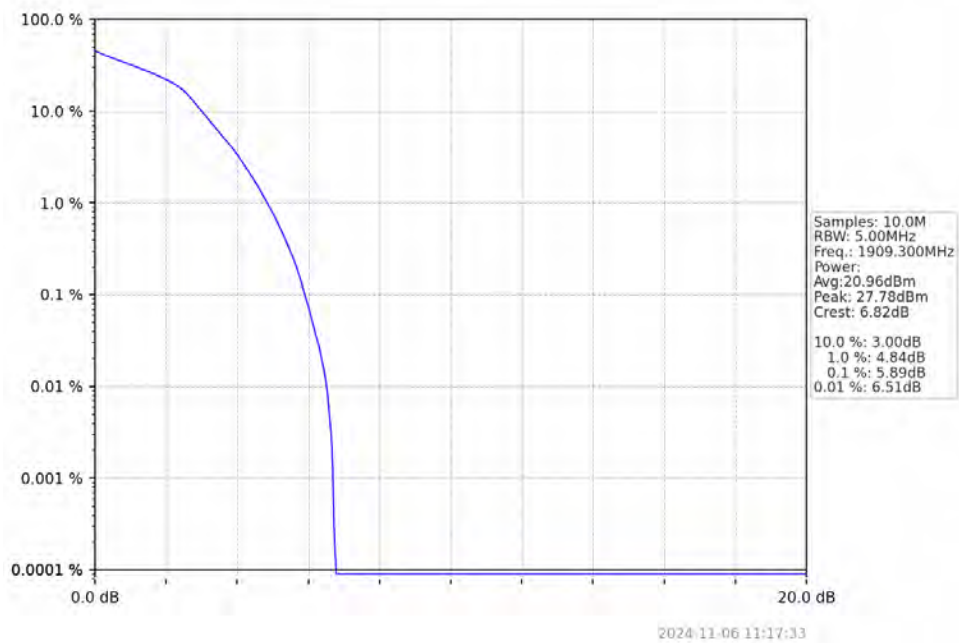


2024-11-06 11:12:58

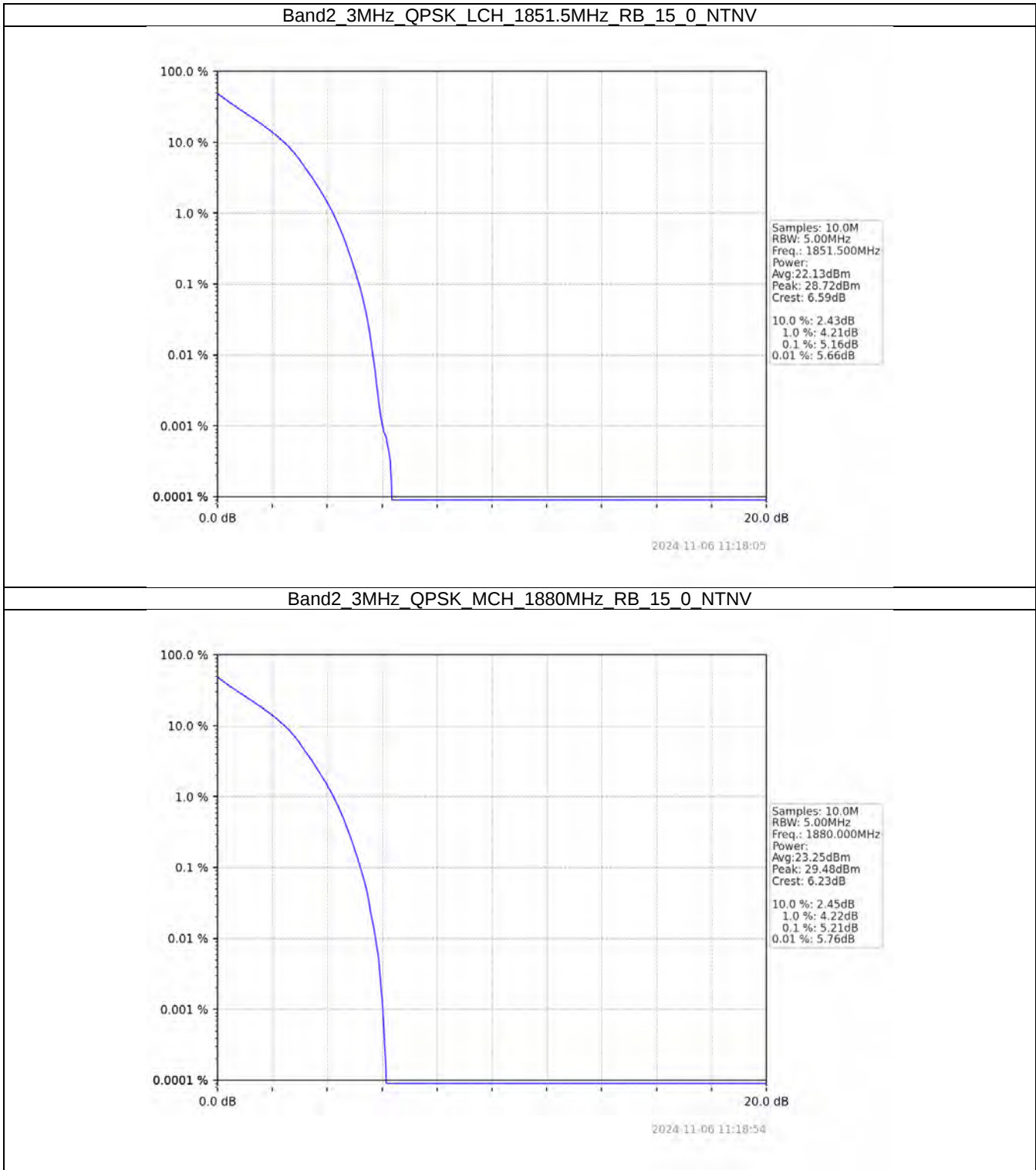
Band2 1.4MHz 16QAM MCH 1880MHz RB 6 0 NTNV



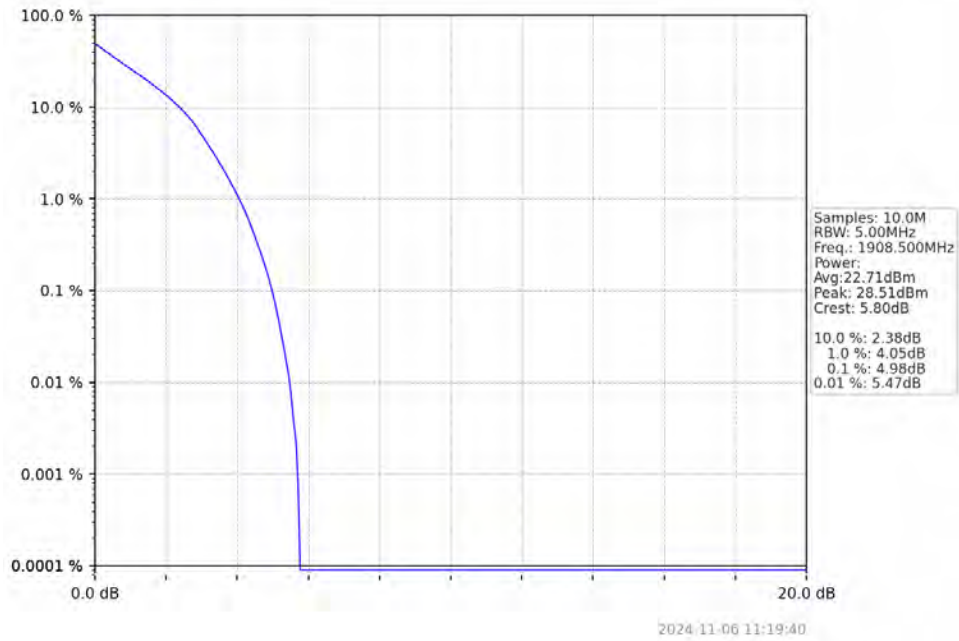
Band2 1.4MHz 16QAM HCH 1909.3MHz RB 6 0 NTNV



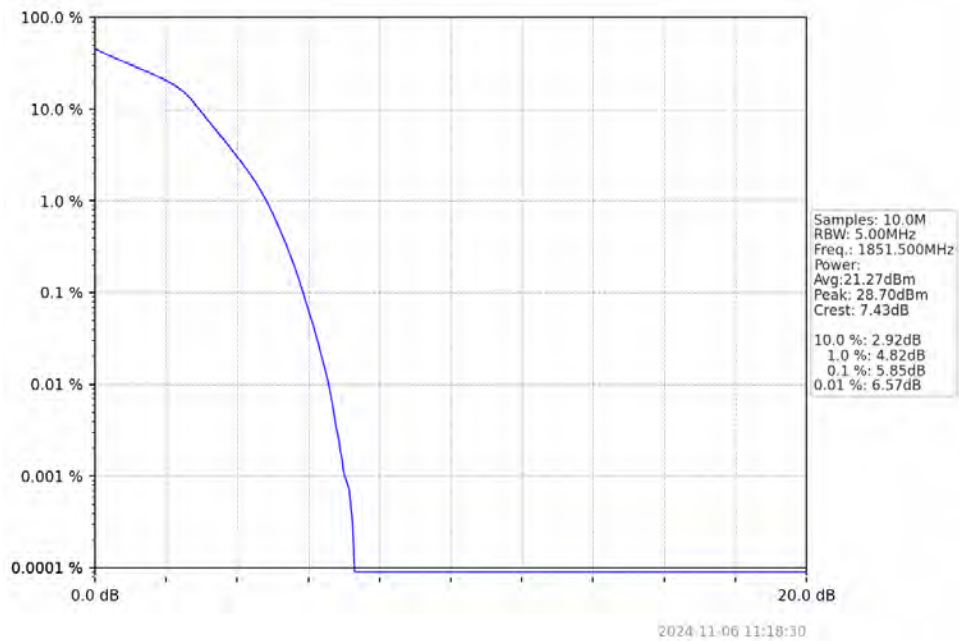
5.2.2 B2_3MHz



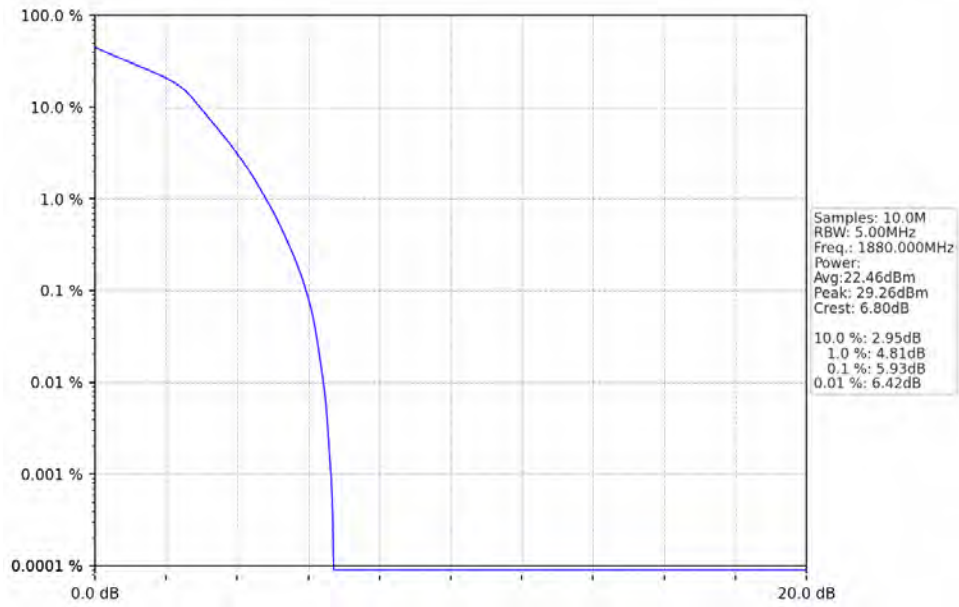
Band2 3MHz QPSK HCH 1908.5MHz RB 15 0 NTNV



Band2 3MHz 16QAM LCH 1851.5MHz RB 15 0 NTNV

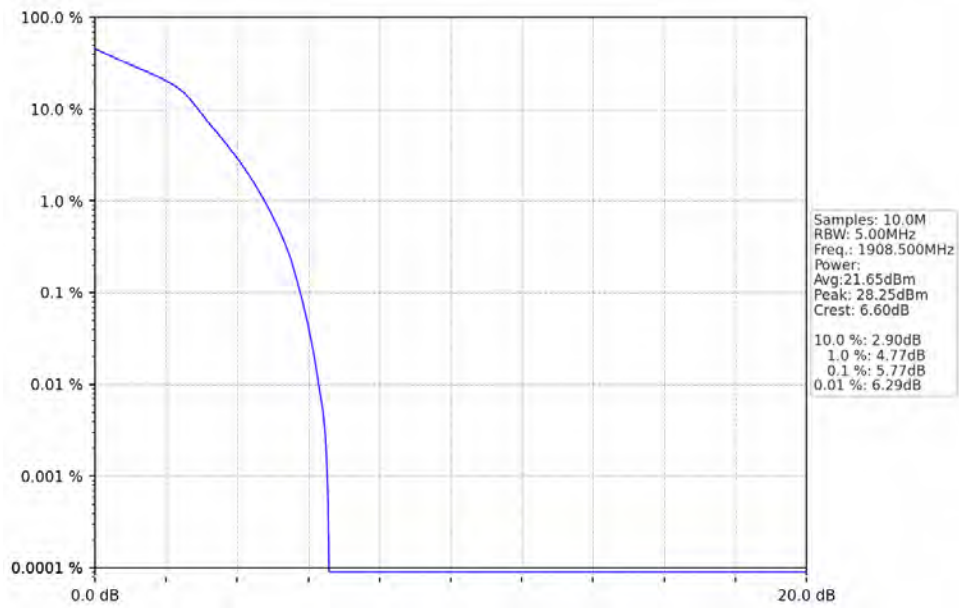


Band2 3MHz 16QAM MCH 1880MHz RB 15 0 NTV



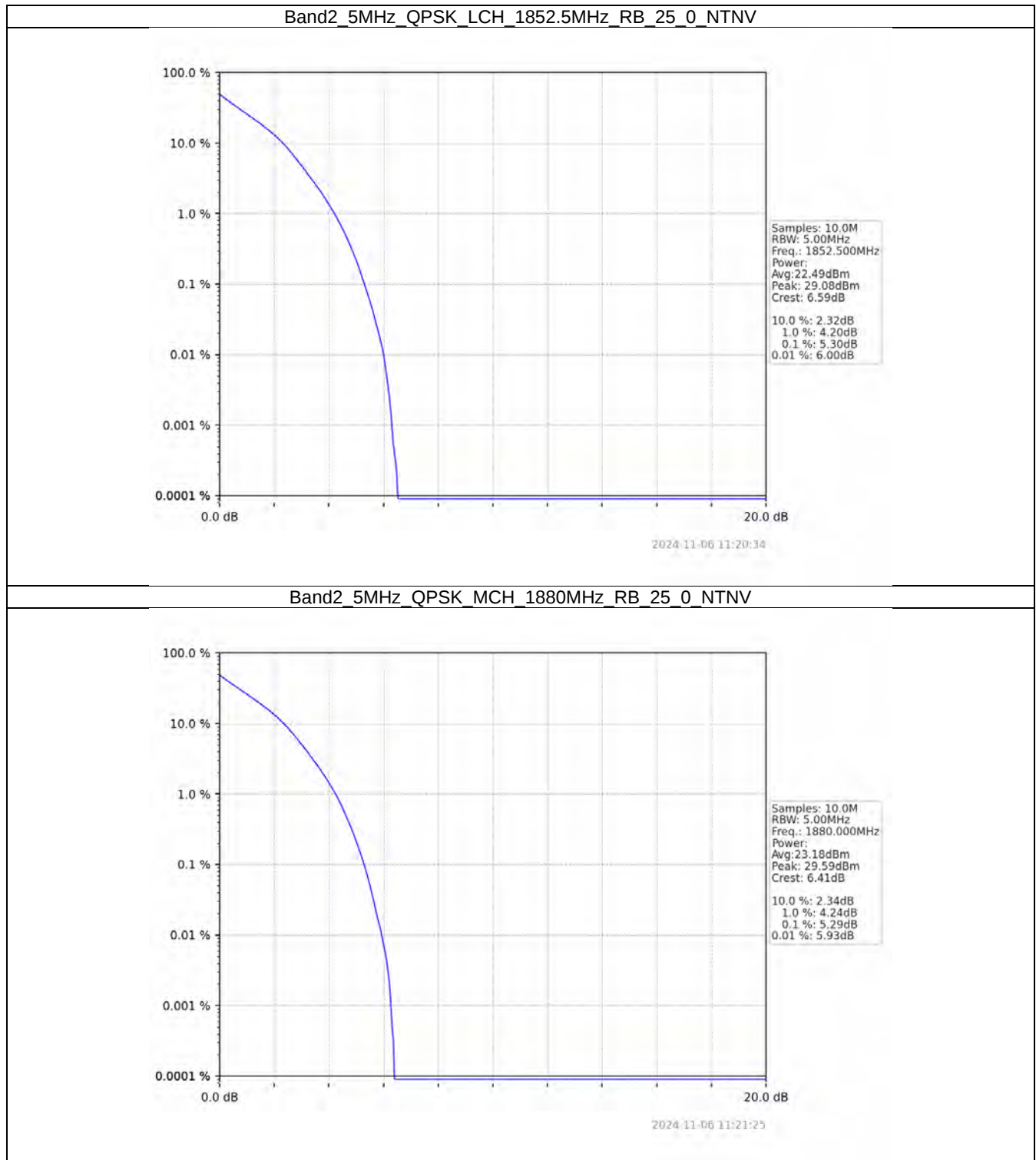
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Band2 3MHz 16QAM HCH 1908.5MHz RB 15 0 NTV

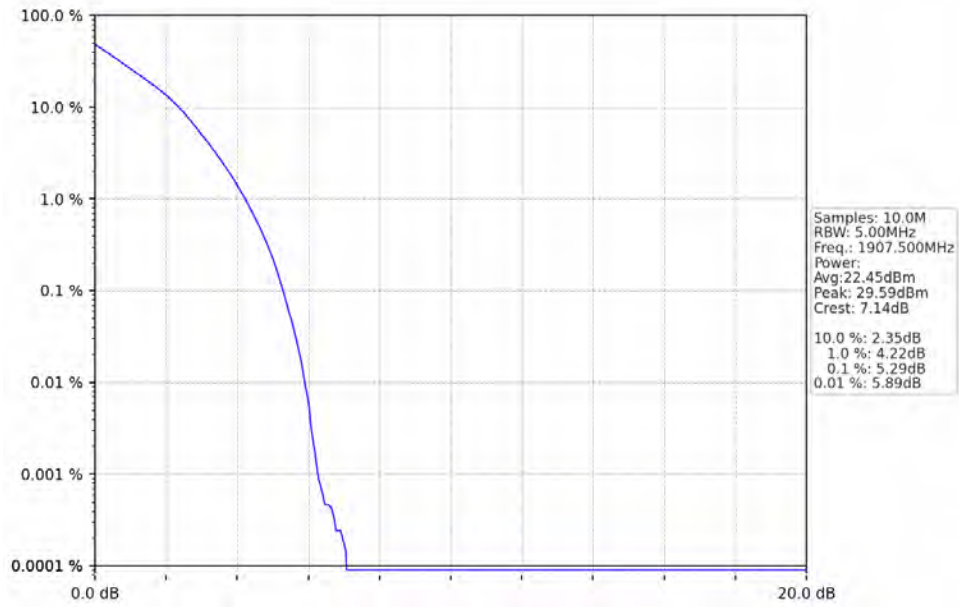


2024-11-06 11:20:02

5.2.3 B2_5MHz

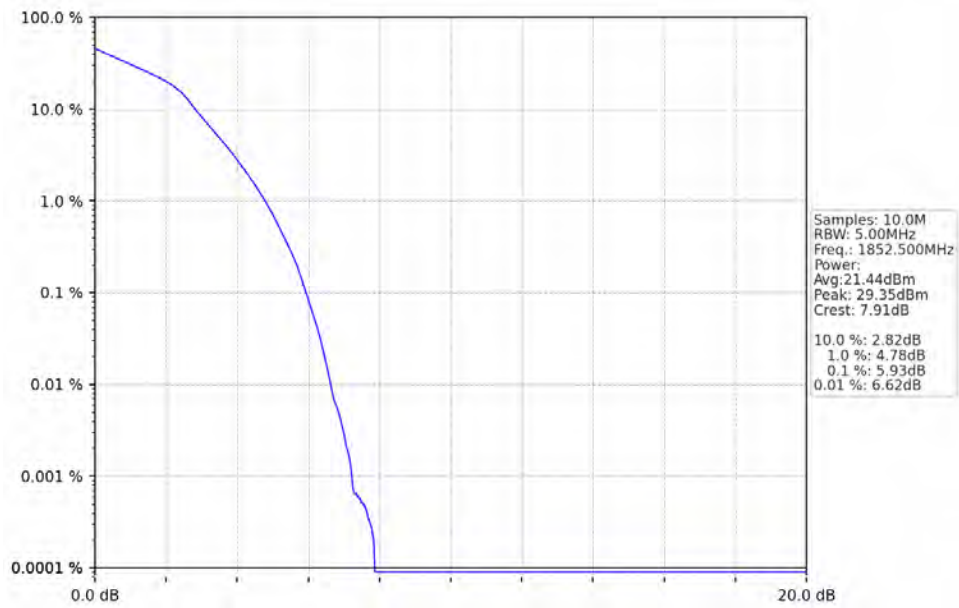


Band2 5MHz QPSK HCH 1907.5MHz RB 25 0 NTNV



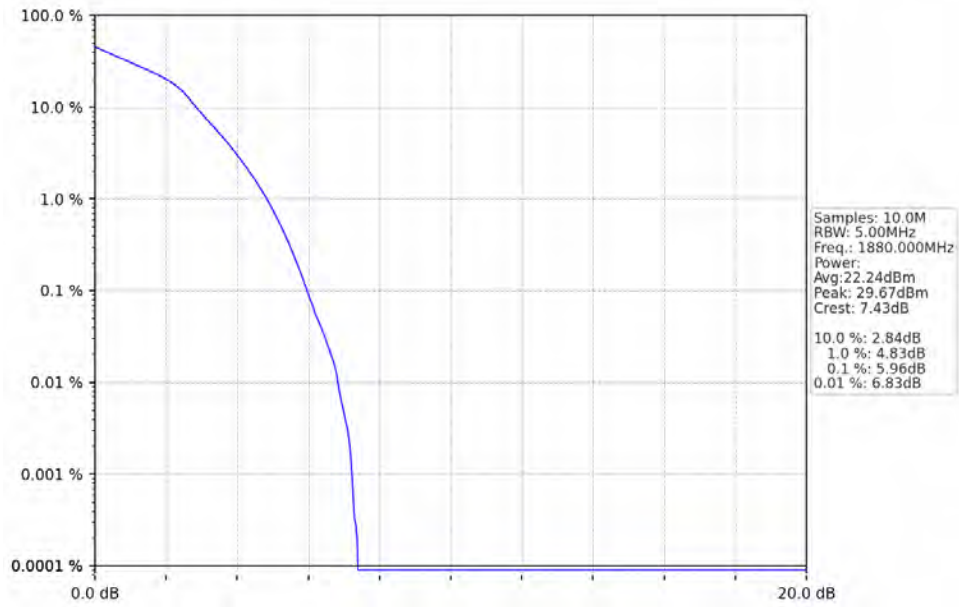
2024-11-06 11:22:18

Band2 5MHz 16QAM LCH 1852.5MHz RB 25 0 NTNV



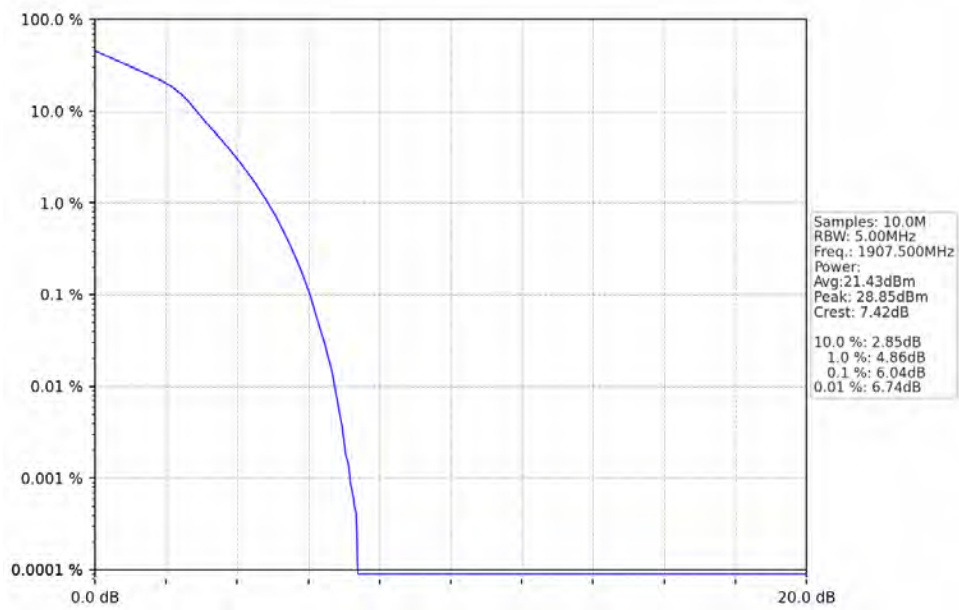
2024-11-06 11:21:00

Band2 5MHz 16QAM MCH 1880MHz RB 25 0 NTNV



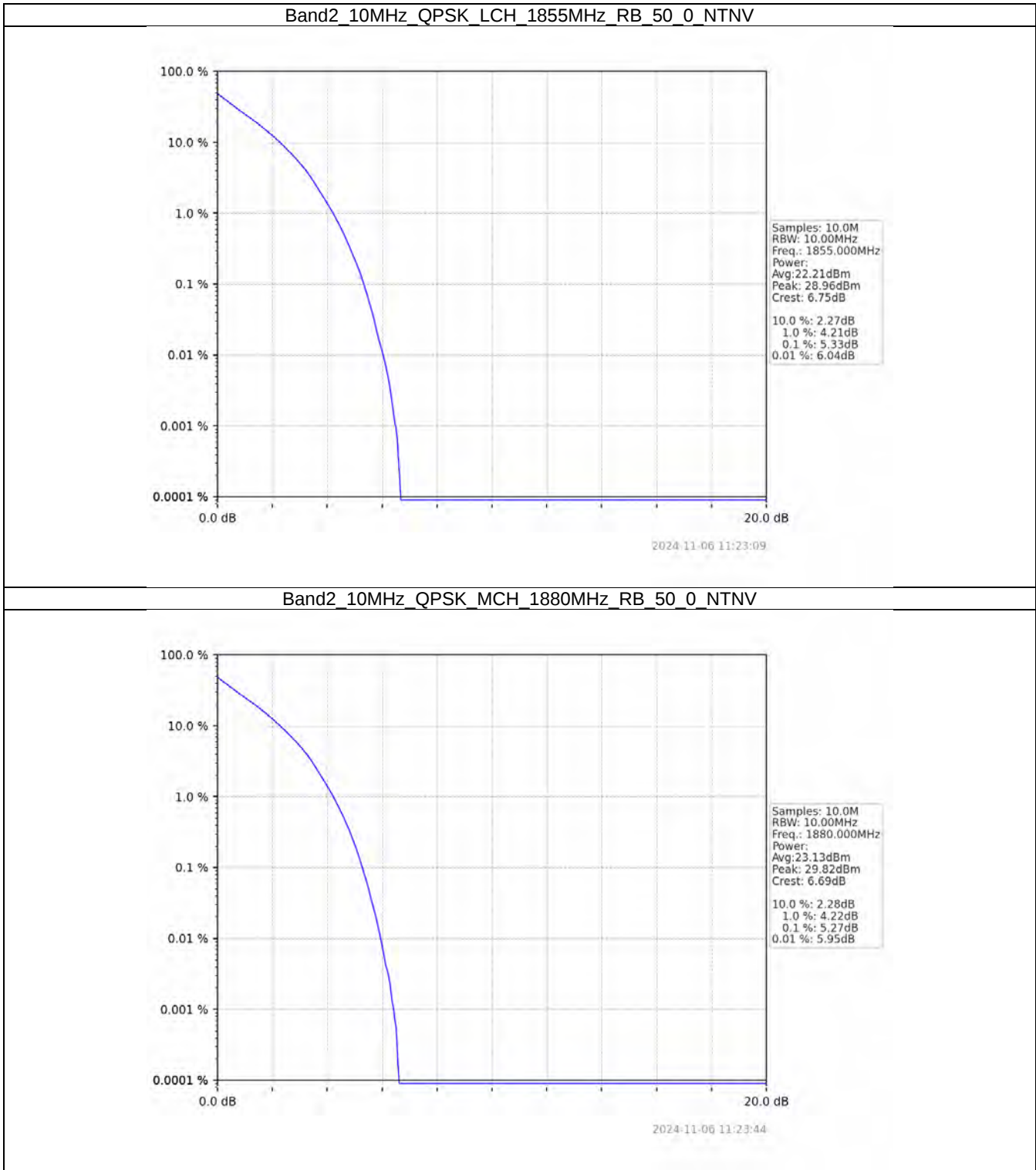
2024.11.06 11:21:51

Band2 5MHz 16QAM HCH 1907.5MHz RB 25 0 NTNV

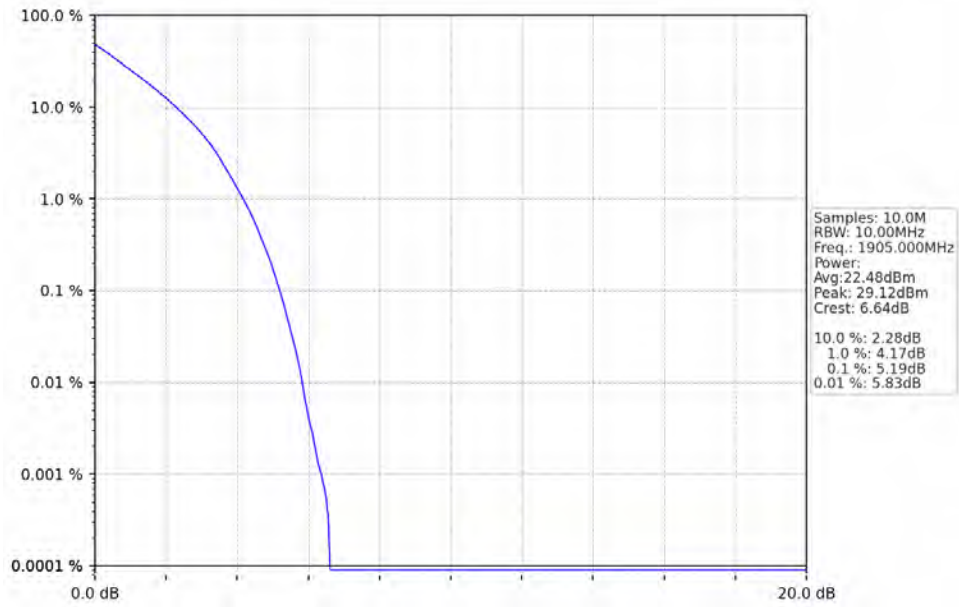


2024.11.06 11:22:43

5.2.4 B2_10MHz

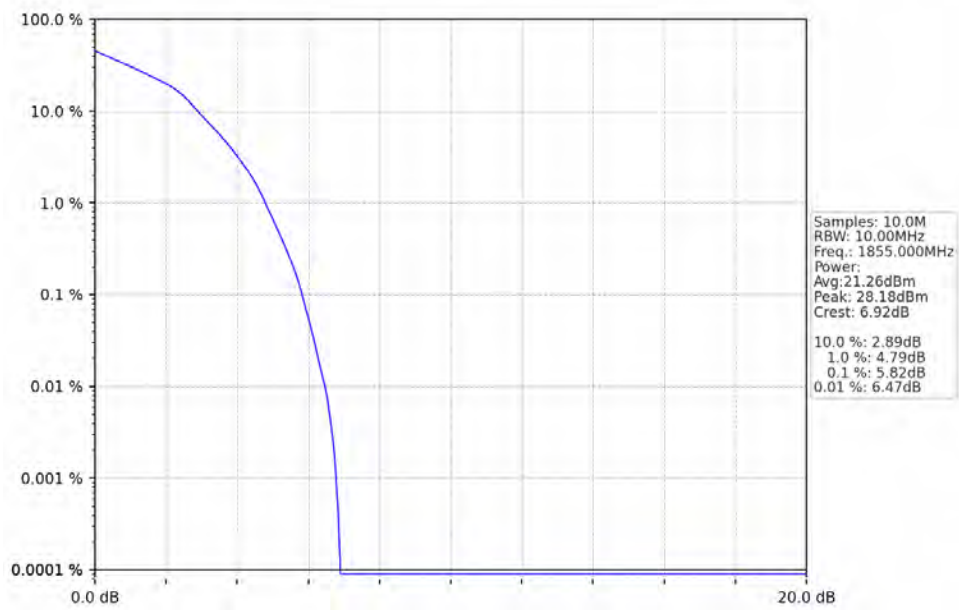


Band2 10MHz QPSK HCH 1905MHz RB 50 0 NTN



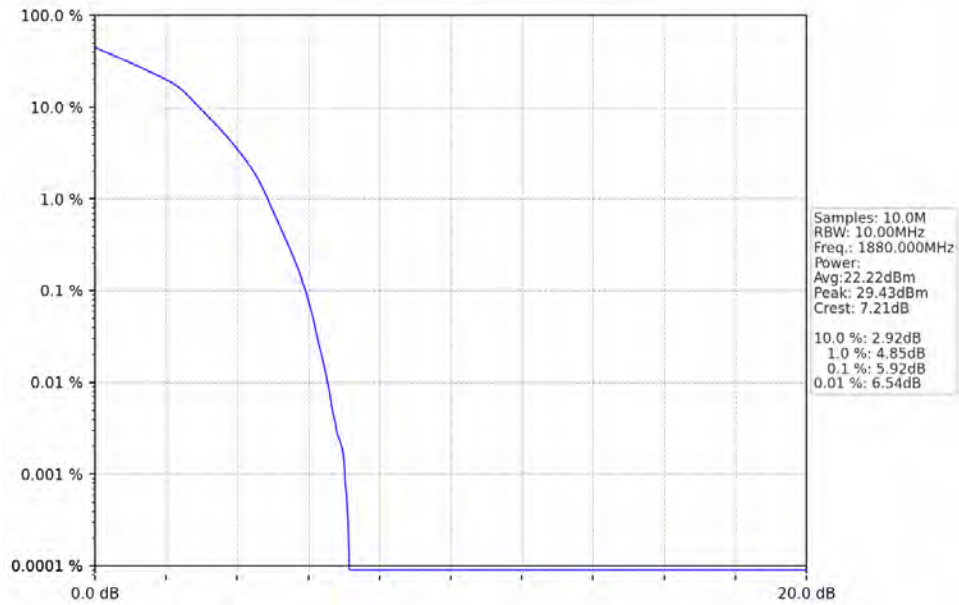
2024-11-06 11:24:20

Band2 10MHz 16QAM LCH 1855MHz RB 27 0 NTN



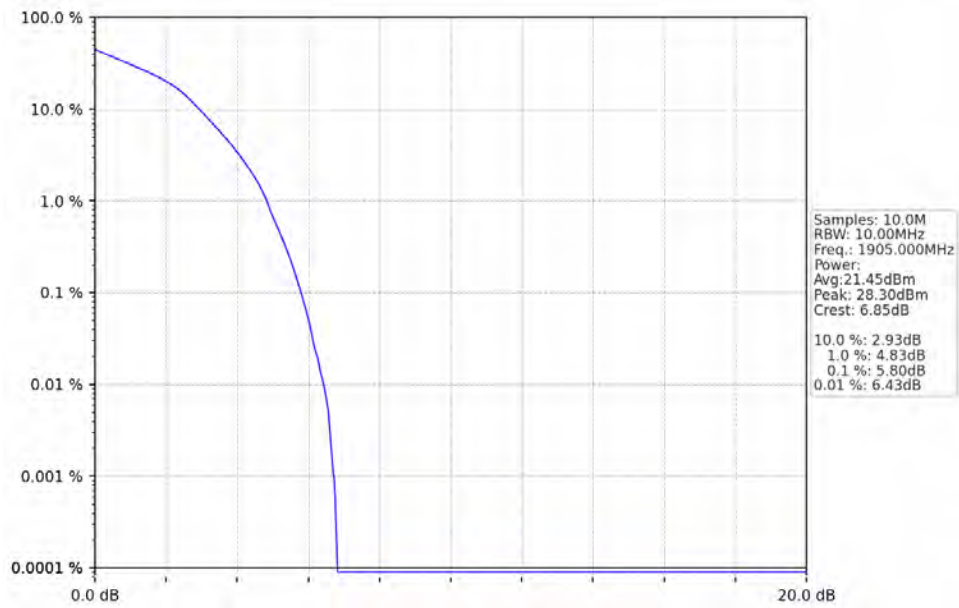
2024-11-06 11:23:25

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



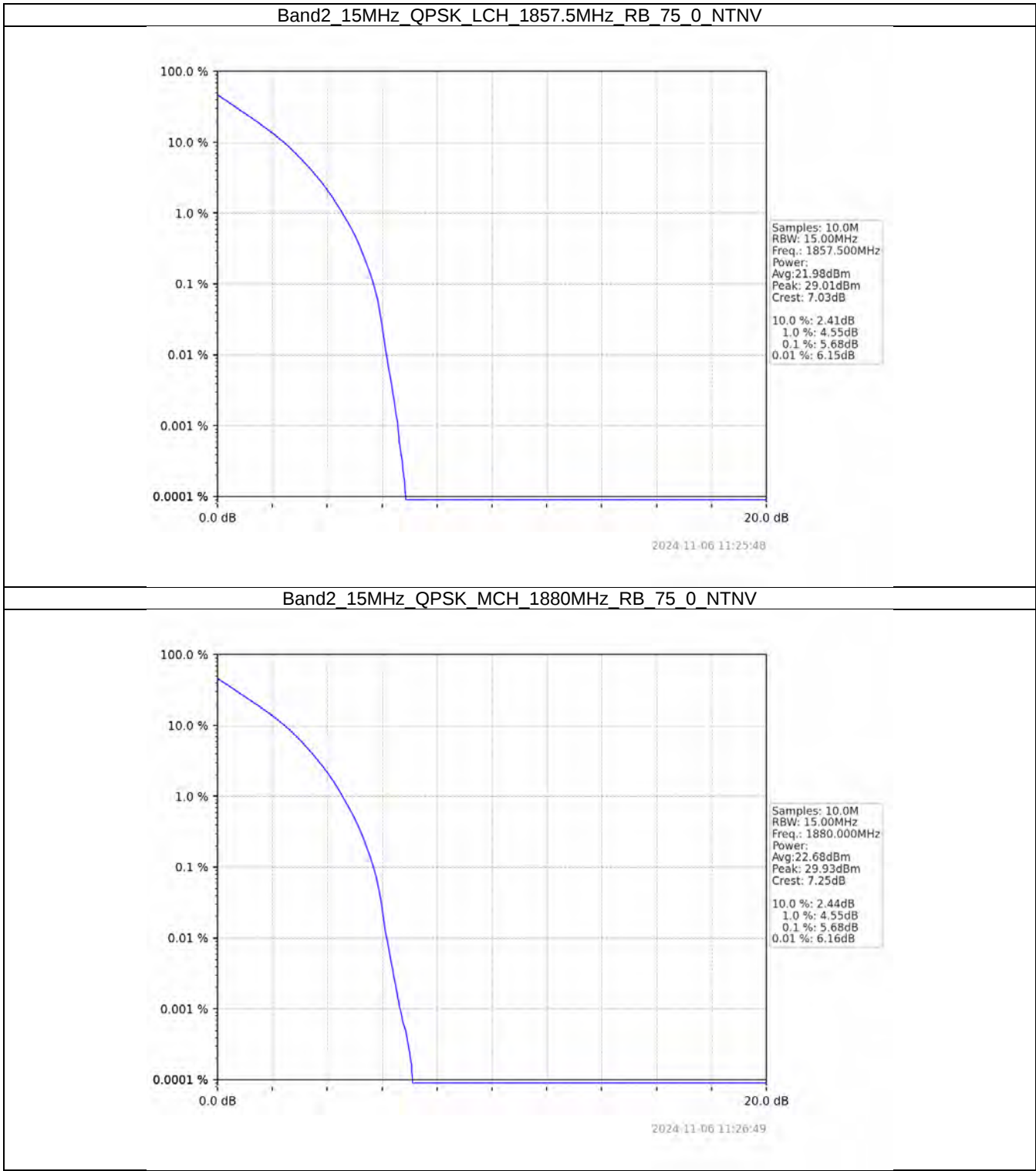
2024-11-06 11:24:01

Band2 10MHz 16QAM HCH 1905MHz RB 27 23 NTNV

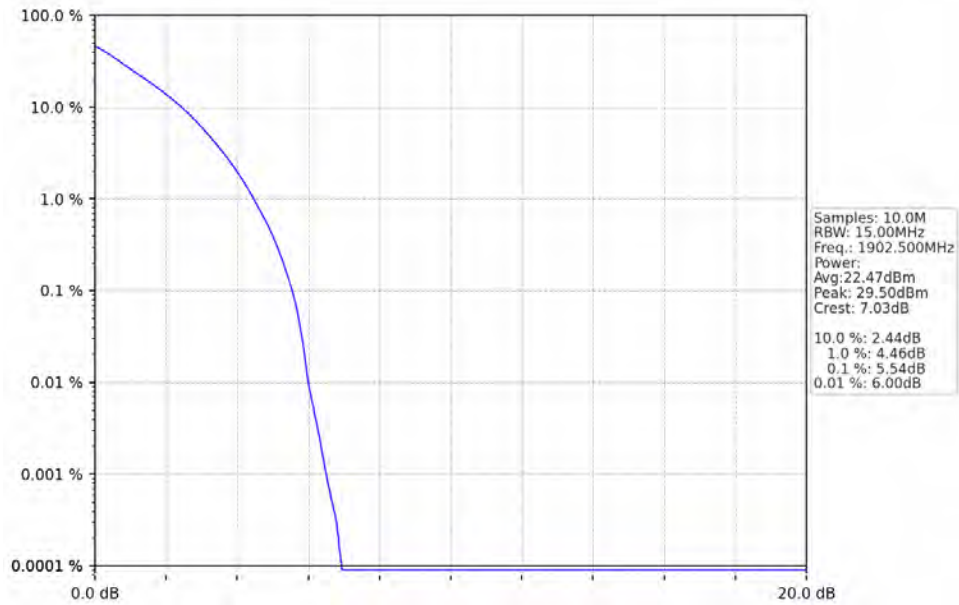


2024-11-06 11:24:37

5.2.5 B2_15MHz

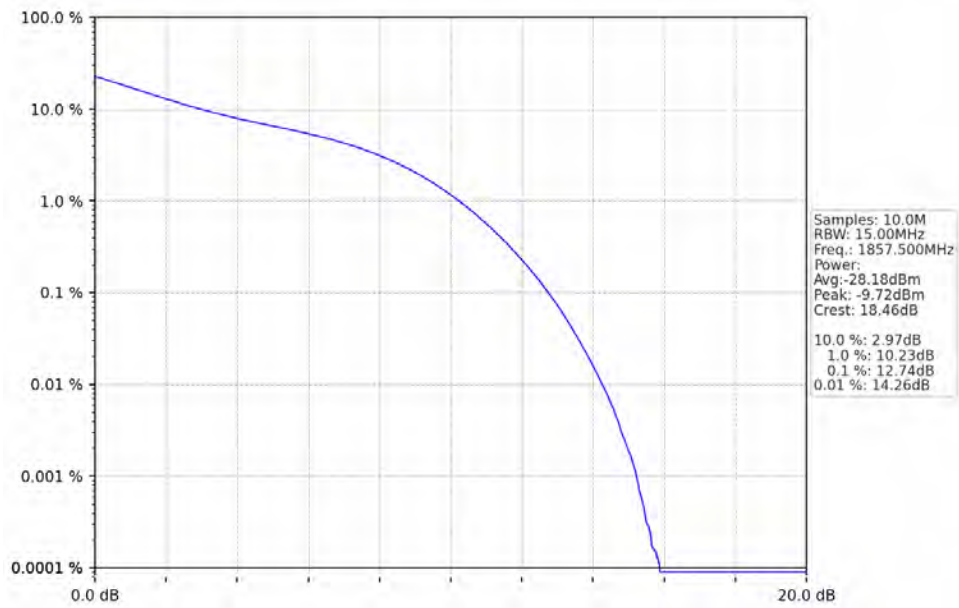


Band2 15MHz QPSK HCH 1902.5MHz RB 75 0 NTNV



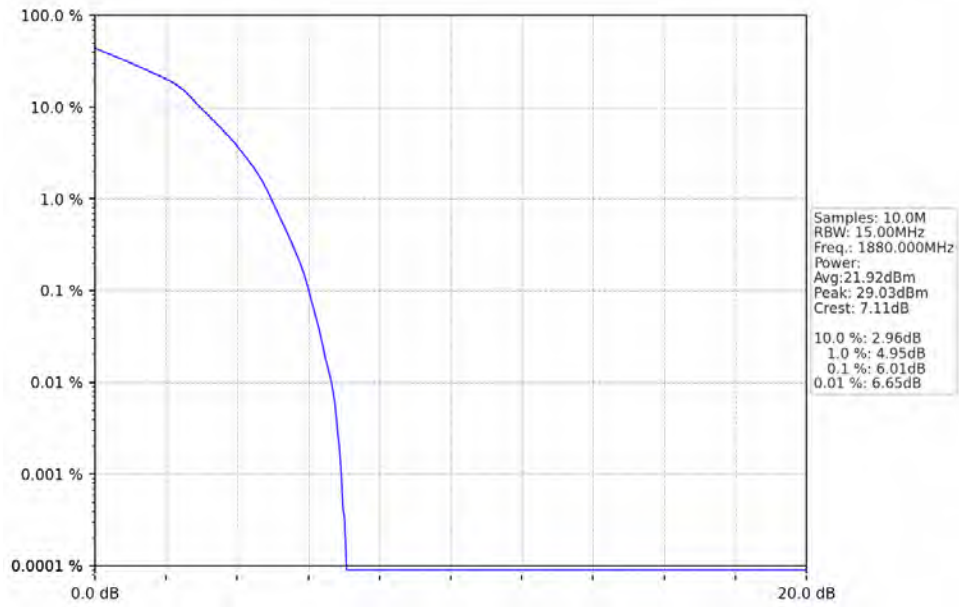
2024-11-06 11:27:27

Band2 15MHz 16QAM LCH 1857.5MHz RB 27 0 NTNV



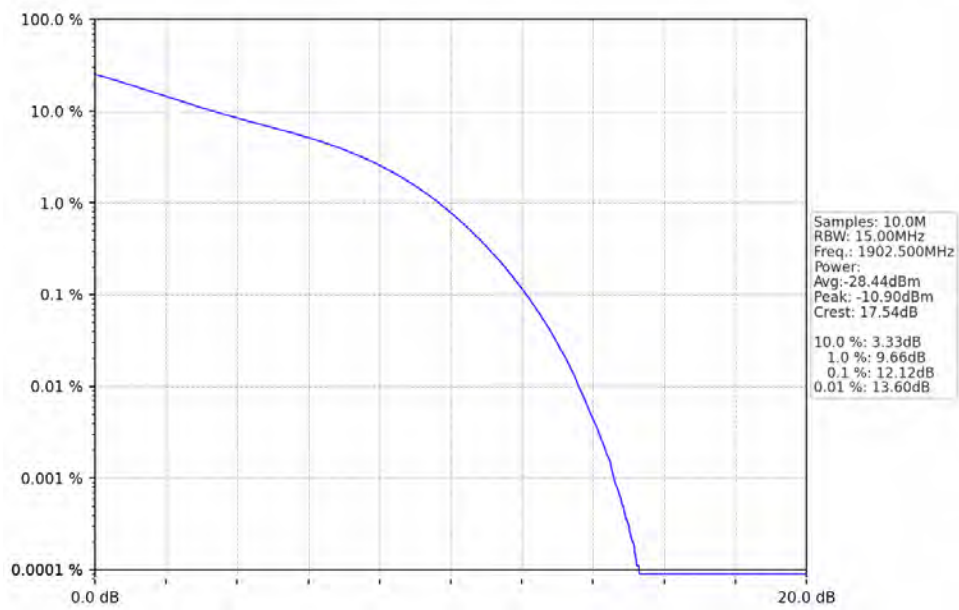
2024-11-06 11:26:15

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



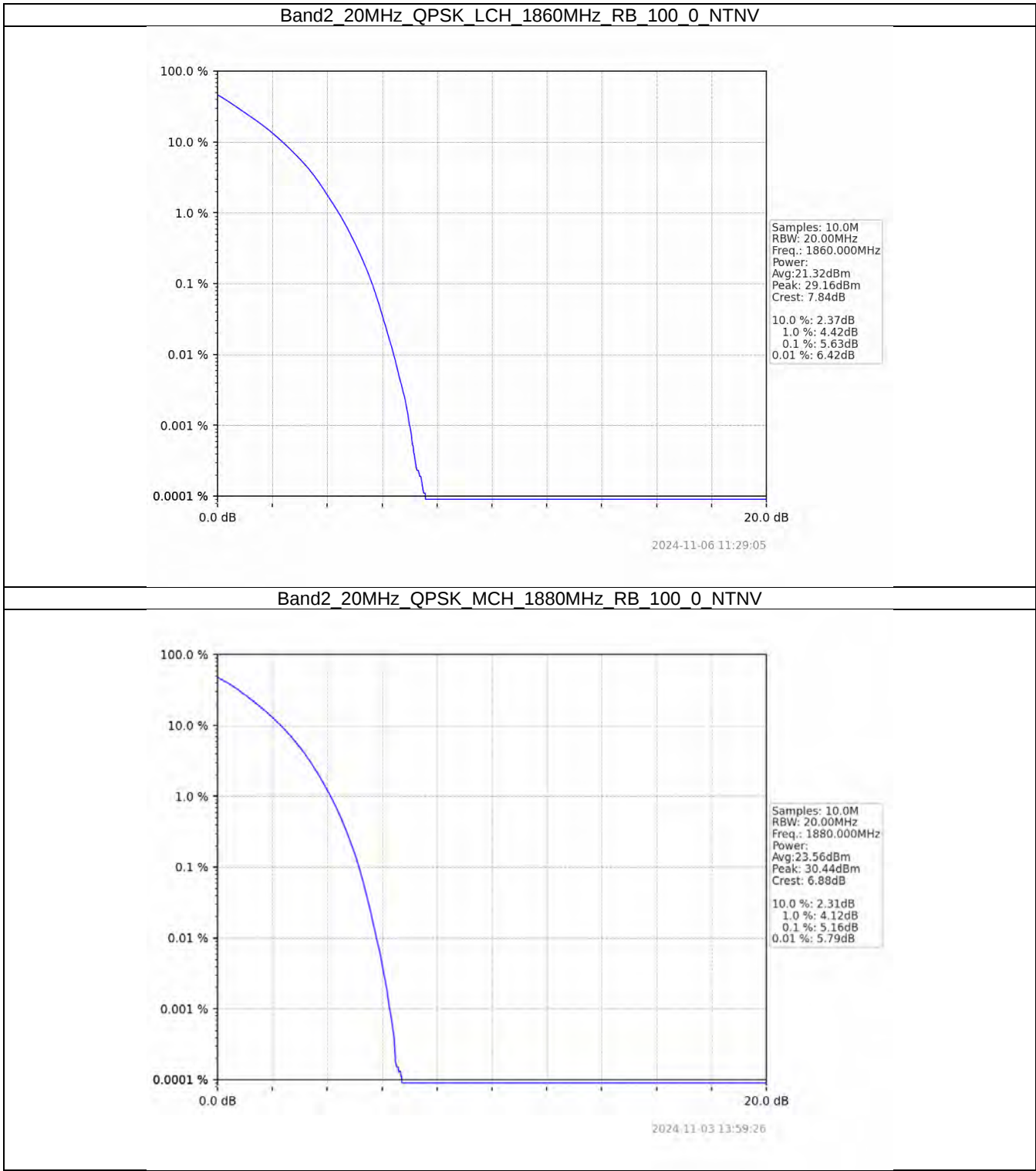
2024-11-06 11:27:03

Band2 15MHz 16QAM HCH 1902.5MHz RB 27 48 NTNV

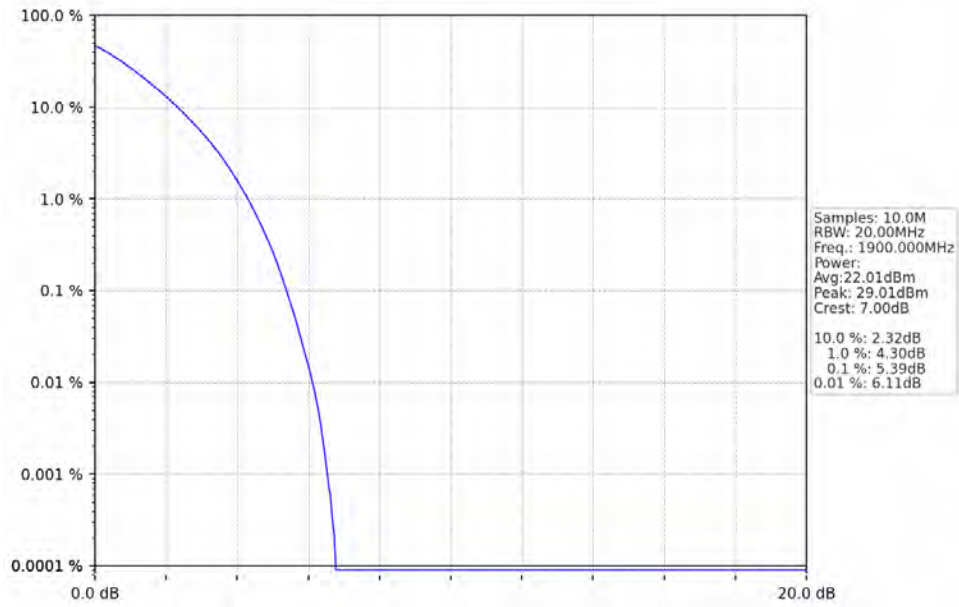


2024-11-06 11:27:52

5.2.6 B2_20MHz

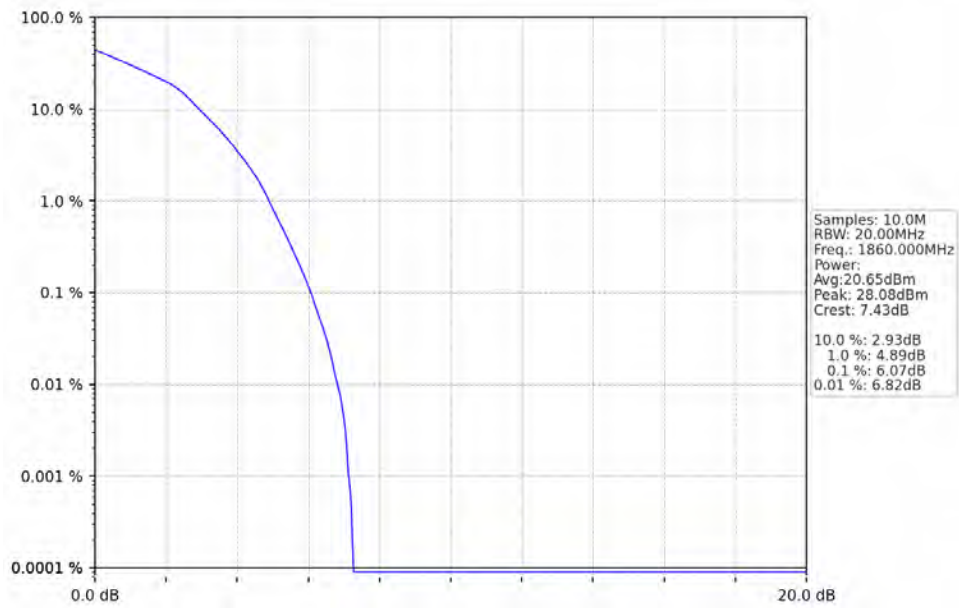


Band2 20MHz QPSK HCH 1900MHz RB 100 0 NTNV



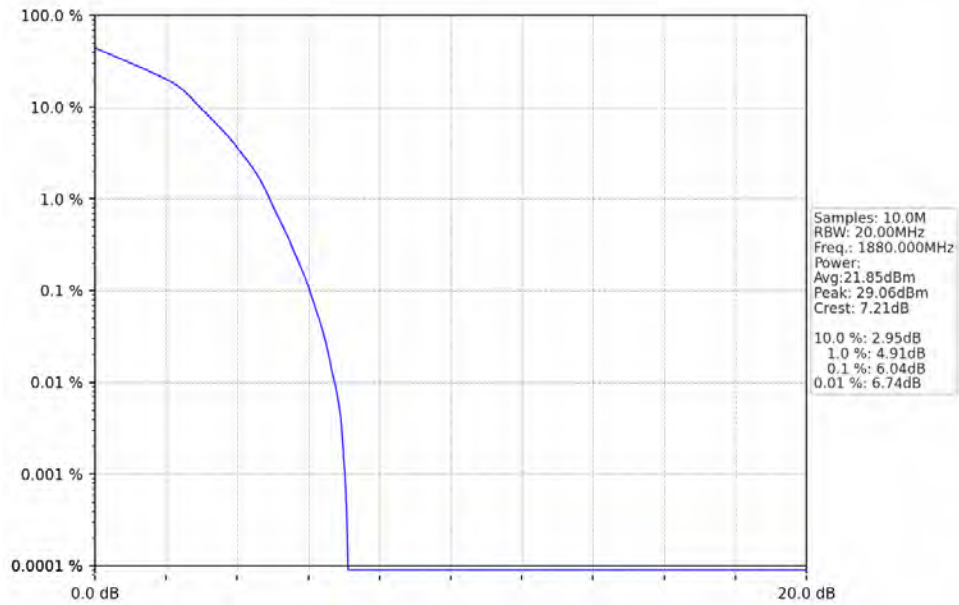
2024-11-06 11:30:39

Band2 20MHz 16QAM LCH 1860MHz RB 27 0 NTNV



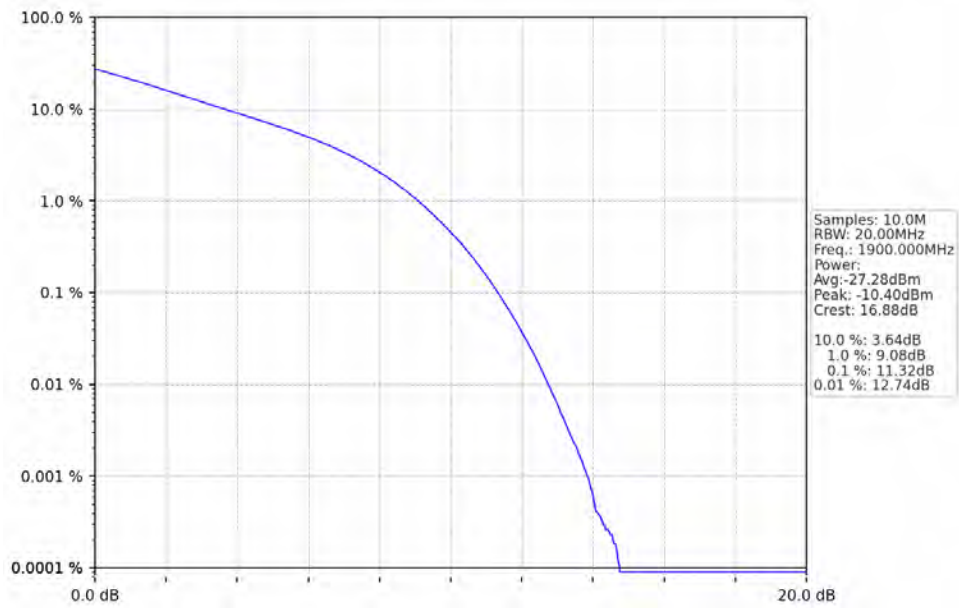
2024-11-06 11:29:18

Band2 20MHz 16QAM MCH 1880MHz RB 27 0 NTNV



2024-11-06 11:29:39

Band2 20MHz 16QAM HCH 1900MHz RB 27 73 NTNV



2024-11-06 11:31:03

6. Spurious Emission

6.1 Test Result

6.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1909.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1850.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1909.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1908.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1851.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1908.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	1852.5	1	0	Refer To Test Graph		Pass

	1880	25	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	1907.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1905	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1855	1	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1905	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass

6.1.5 B2_15MHz

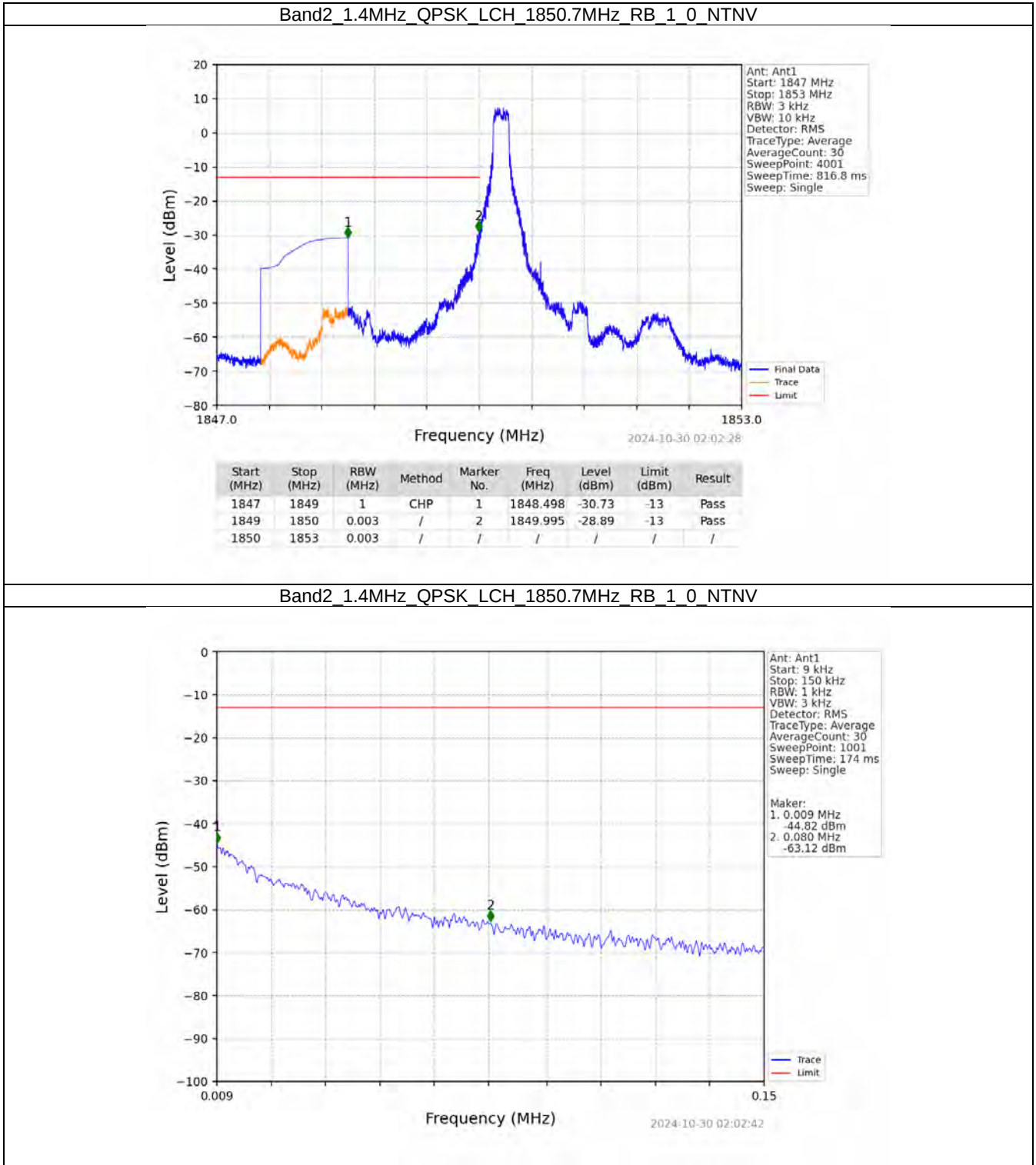
Band: 2 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1902.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1857.5	1	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1902.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass

6.1.6 B2_20MHz

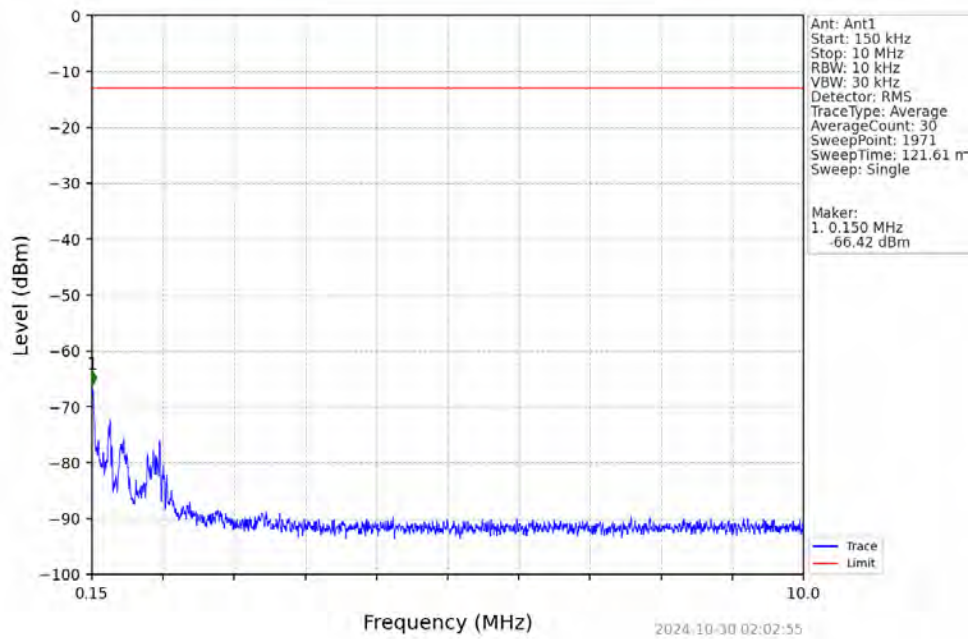
Band: 2 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1900	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1860	1	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1900	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass

6.2 Test Graph

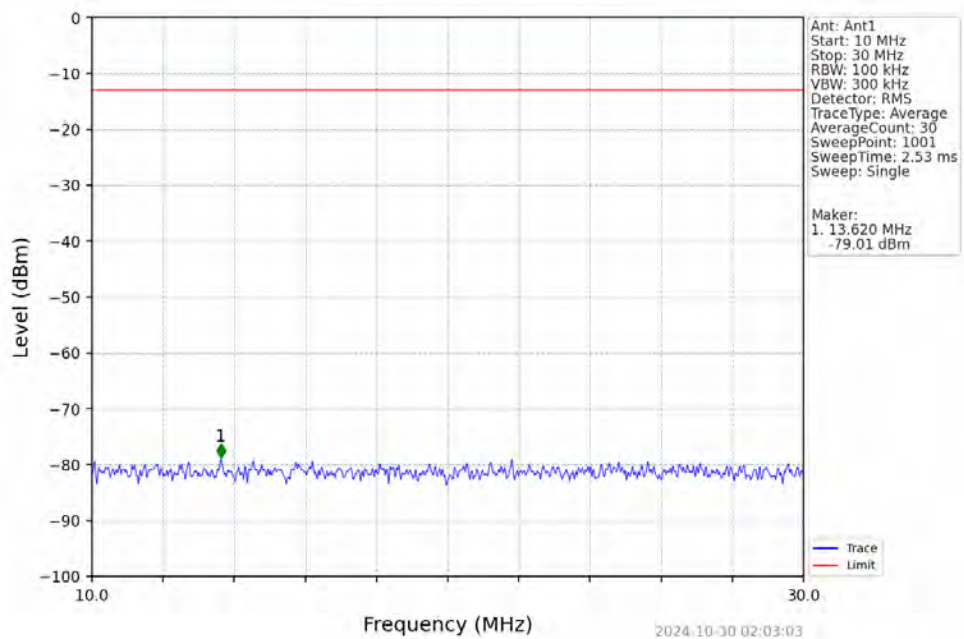
6.2.1 B2_1.4MHz



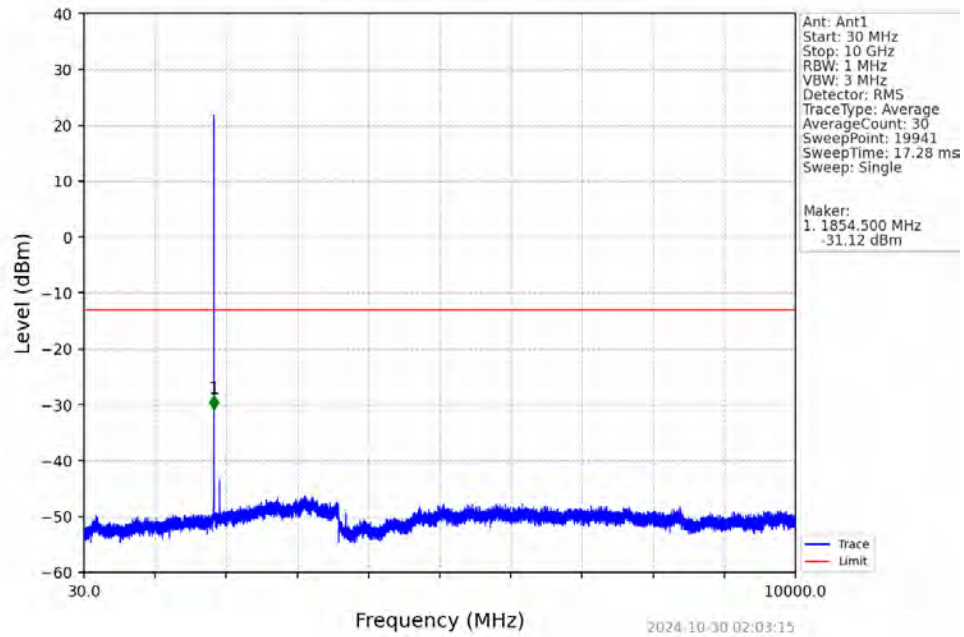
Band2 1.4MHz QPSK LCH 1850.7MHz RB 1 0 NTNV



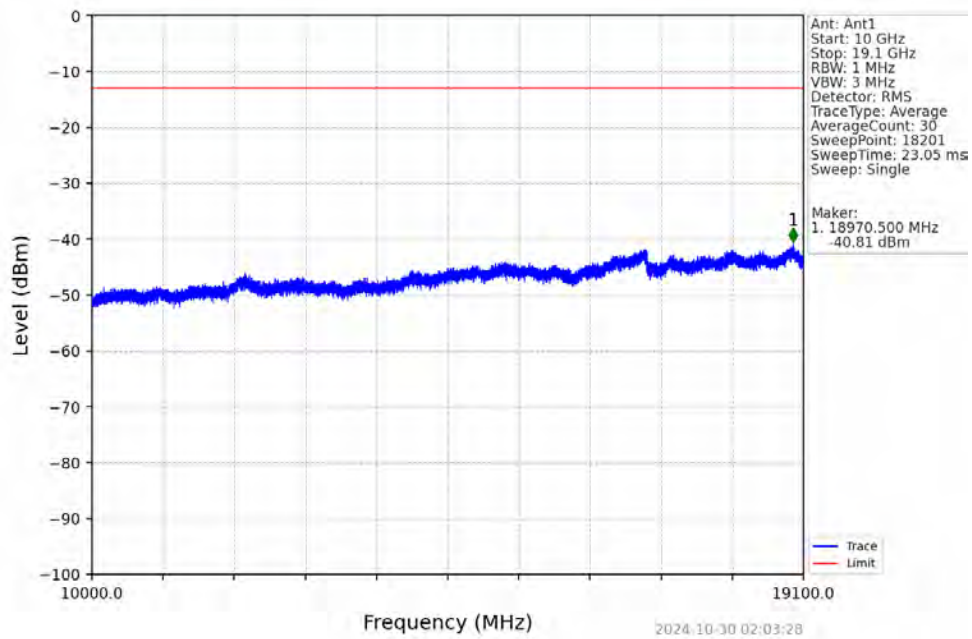
Band2 1.4MHz QPSK LCH 1850.7MHz RB 1 0 NTNV



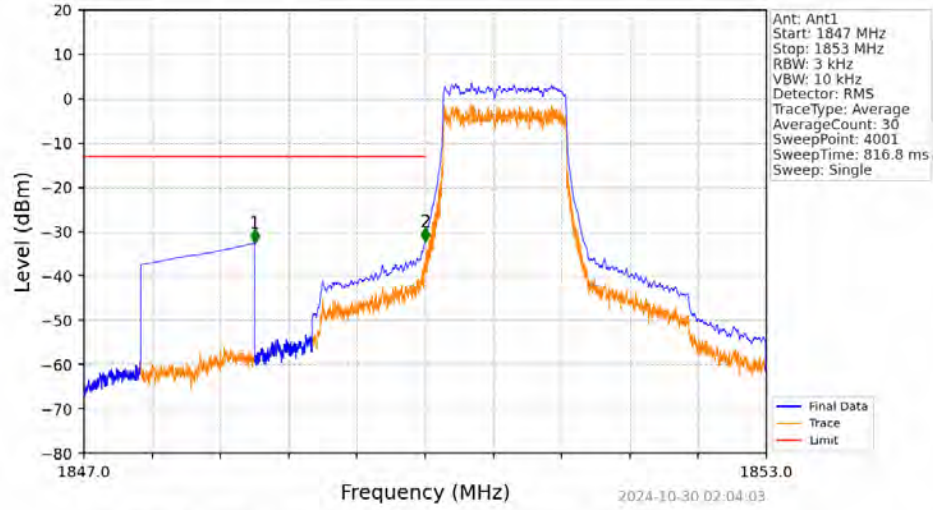
Band2 1.4MHz QPSK LCH 1850.7MHz RB 1 0 NTNV



Band2 1.4MHz QPSK LCH 1850.7MHz RB 1 0 NTNV

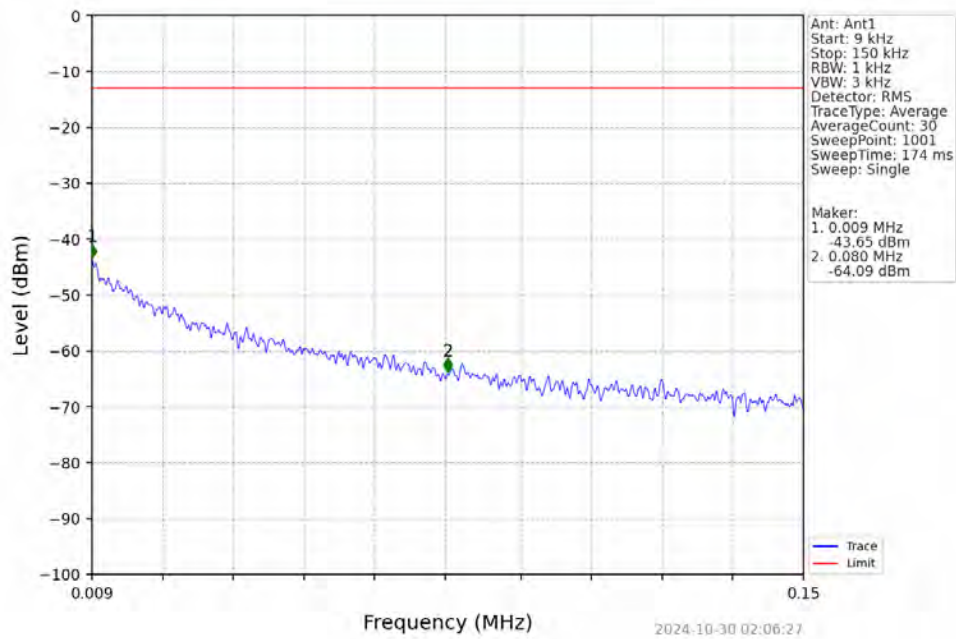


Band2 1.4MHz QPSK LCH 1850.7MHz RB 6 0 NTN

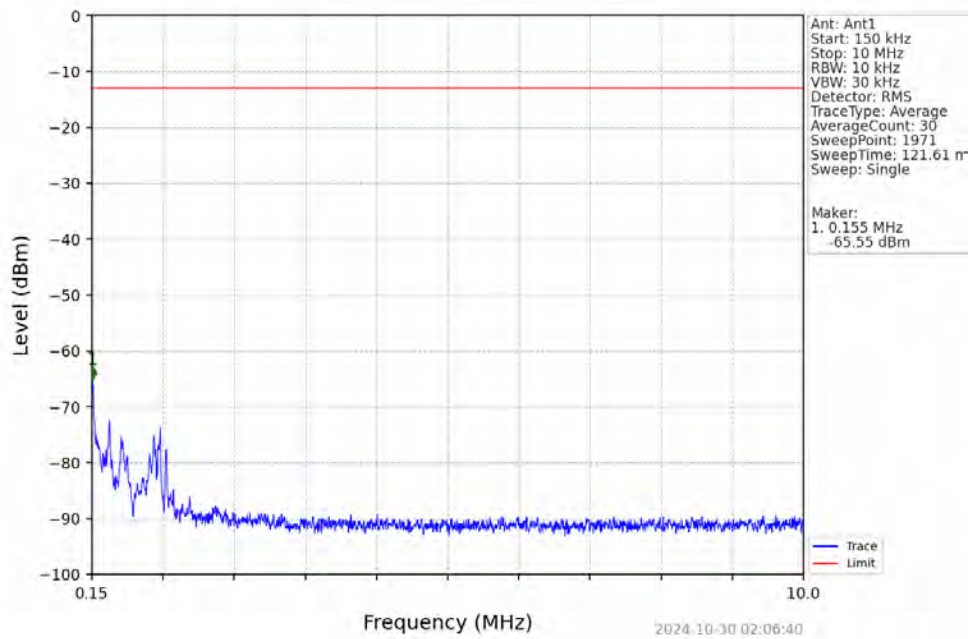


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-32.59	-13	Pass
1849	1850	0.013	CHP	2	1849.998	-32.28	-13	Pass
1850	1853	0.013	CHP	/	/	/	/	/

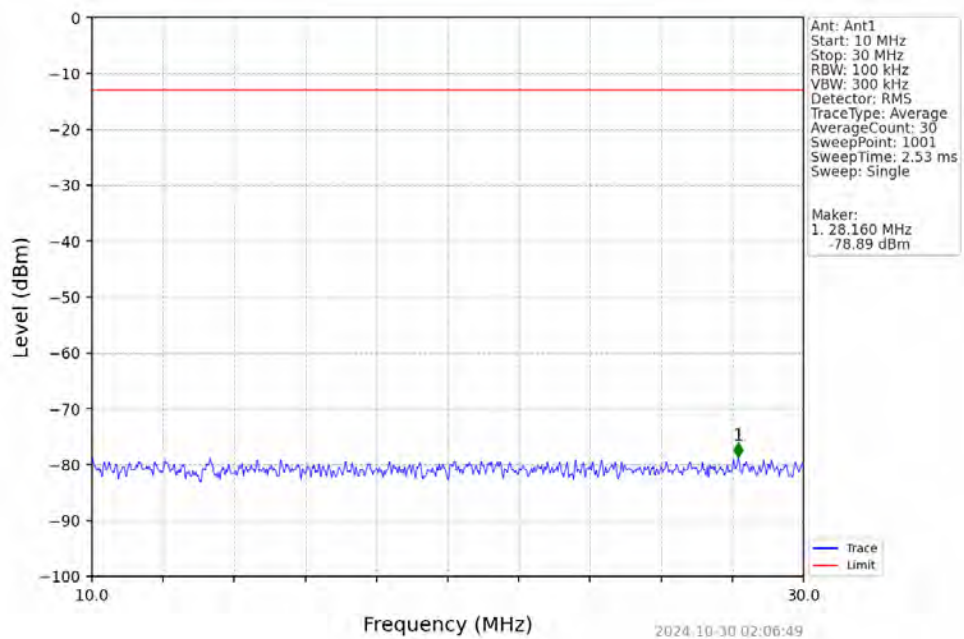
Band2 1.4MHz QPSK MCH 1880MHz RB 1 0 NTN



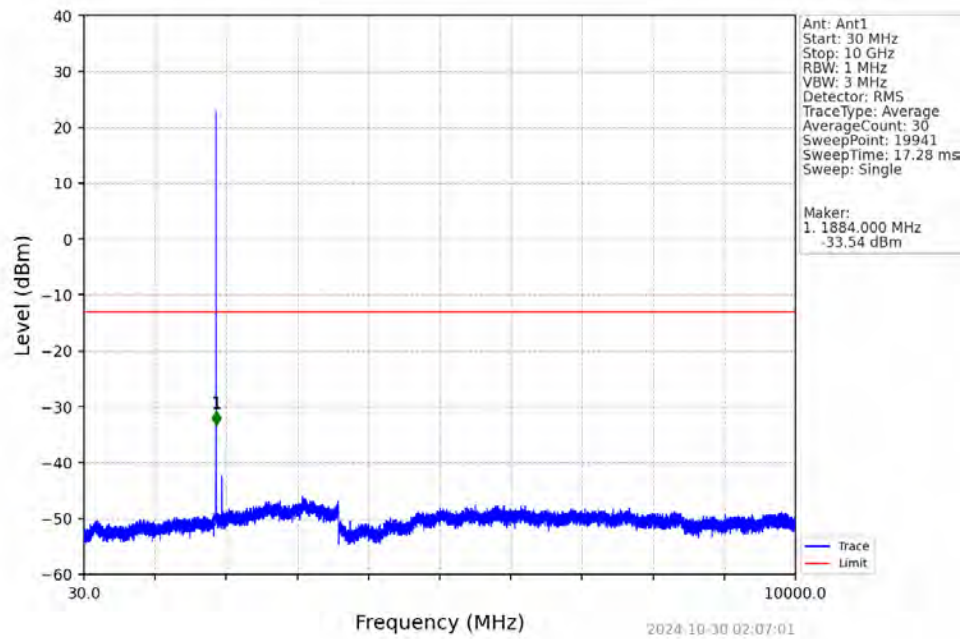
Band2 1.4MHz QPSK MCH 1880MHz RB 1 0 NTNV



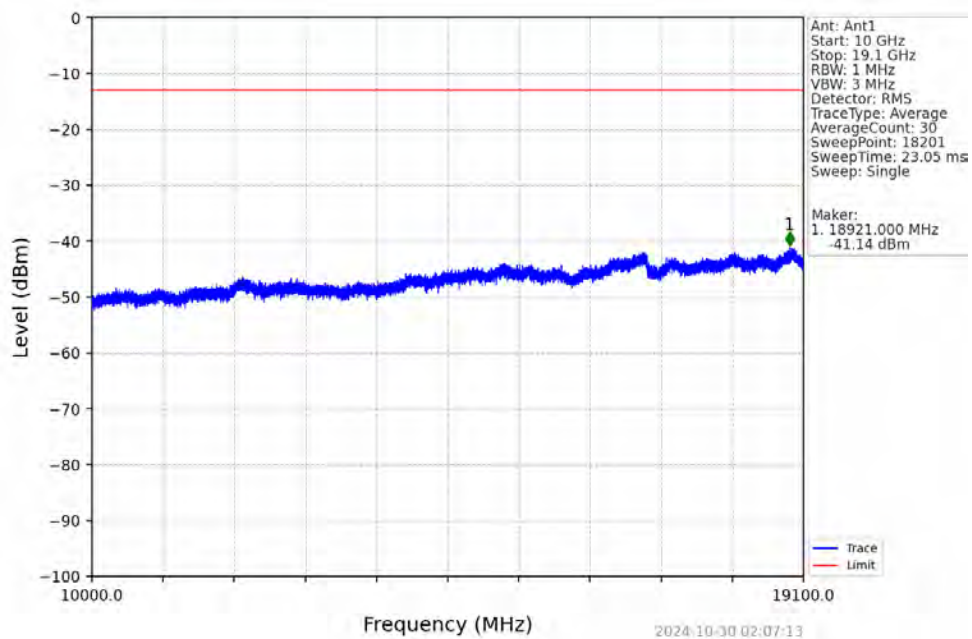
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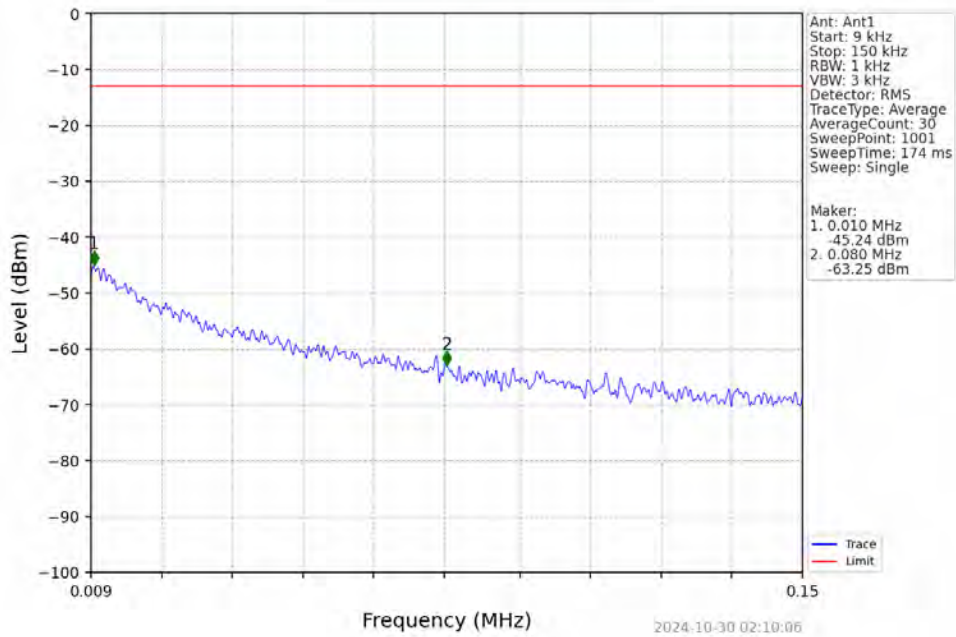
Band2 1.4MHz QPSK MCH 1880MHz RB 1 0 NTNV



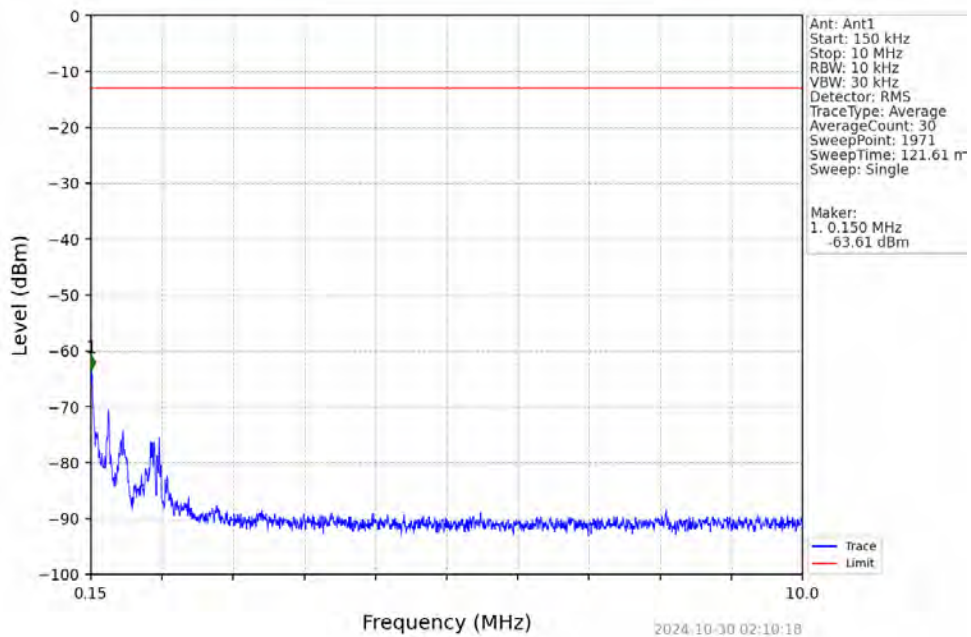
Band2 1.4MHz QPSK MCH 1880MHz RB 1 0 NTNV



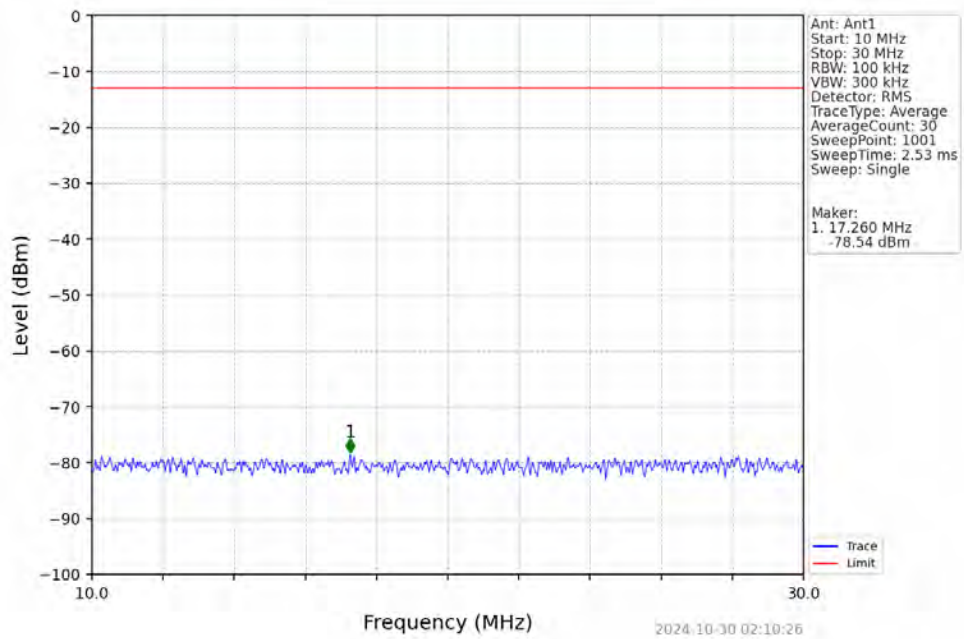
Band2 1.4MHz QPSK HCH 1909.3MHz RB 1 0 NTV



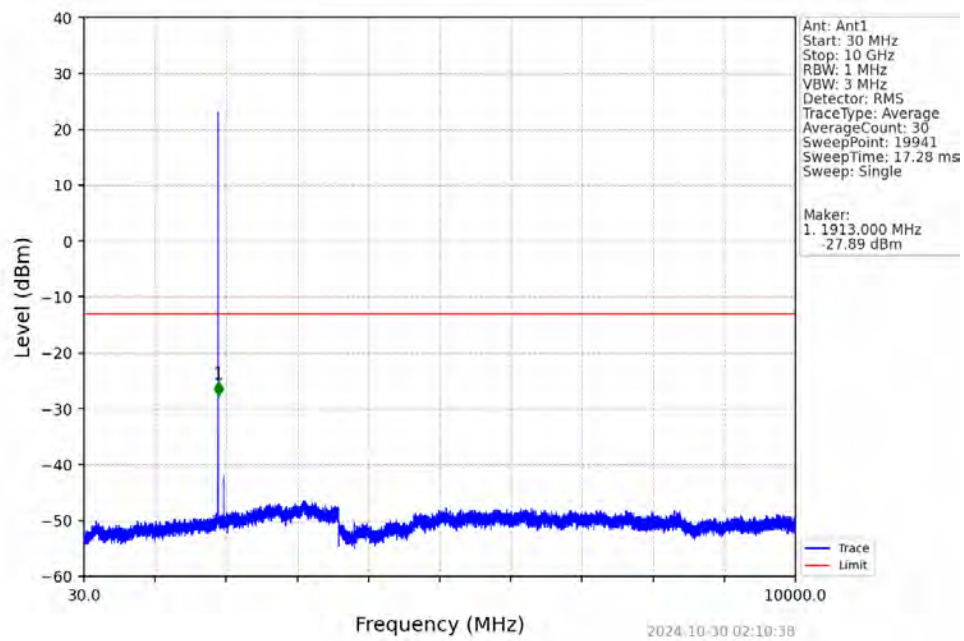
Band2 1.4MHz QPSK HCH 1909.3MHz RB 1 0 NTV



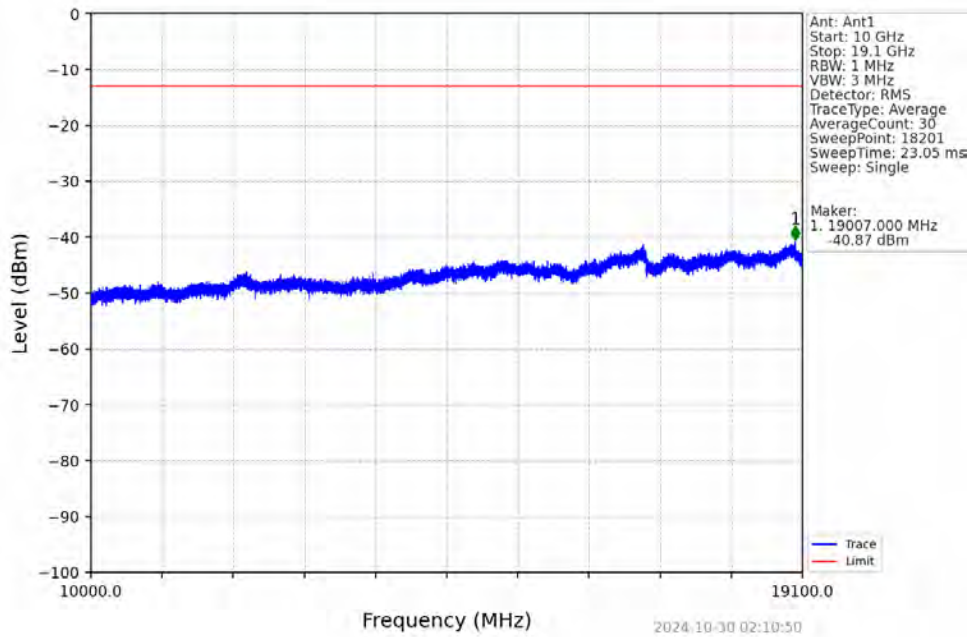
Band2 1.4MHz QPSK HCH 1909.3MHz RB 1 0 NTV



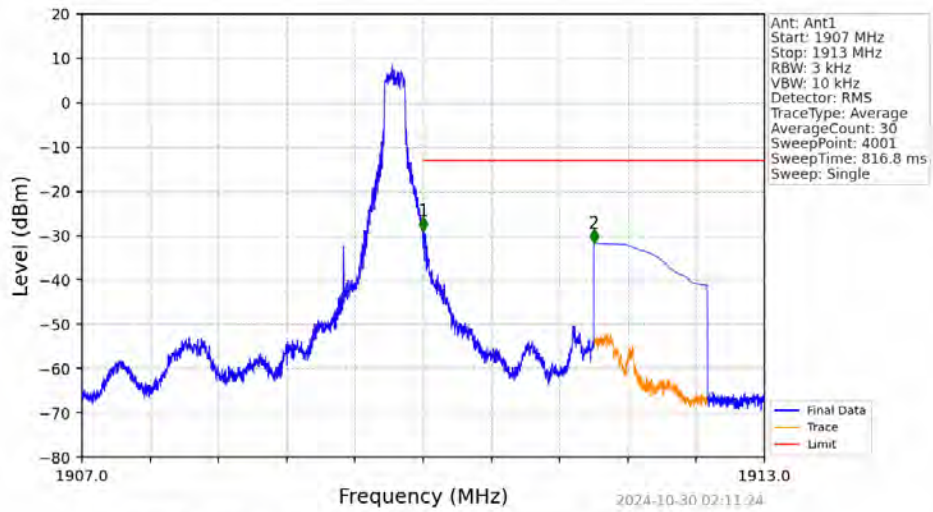
Band2 1.4MHz QPSK HCH 1909.3MHz RB 1 0 NTV



Band2 1.4MHz QPSK HCH 1909.3MHz RB 1 0 NTNV

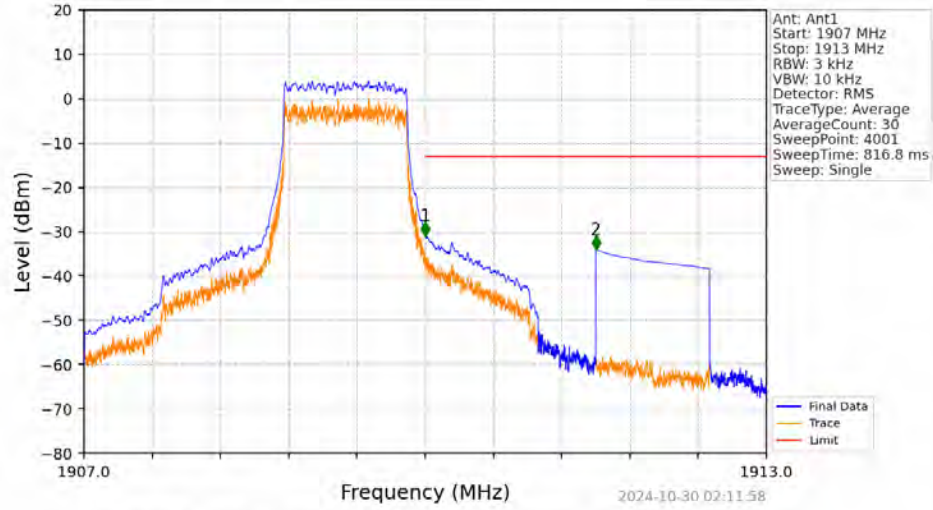


Band2 1.4MHz QPSK HCH 1909.3MHz RB 1 5 NTNV



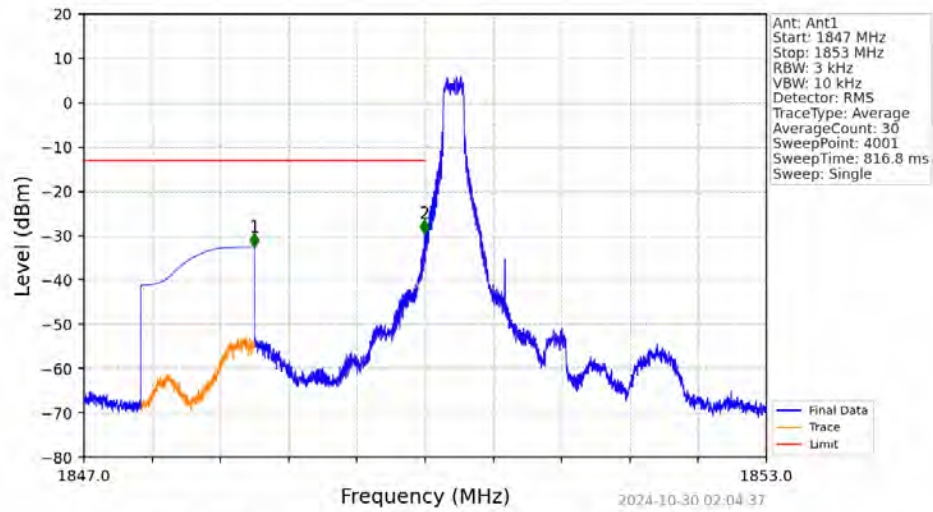
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.002	-28.93	-13	Pass
1911	1913	1	CHP	2	1911.500	-31.64	-13	Pass

Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTNV



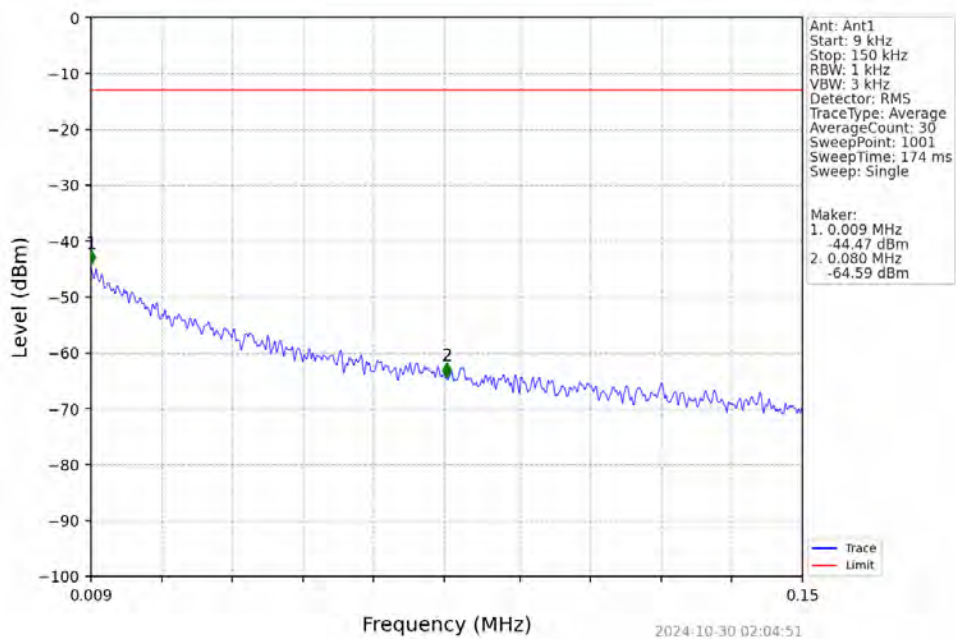
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.013	CHP	/	/	/	/	/
1910	1911	0.013	CHP	1	1910.002	-30.90	-13	Pass
1911	1913	1	CHP	2	1911.500	-34.02	-13	Pass

Band2 1.4MHz 16QAM LCH 1850.7MHz RB 1 0 NTNV

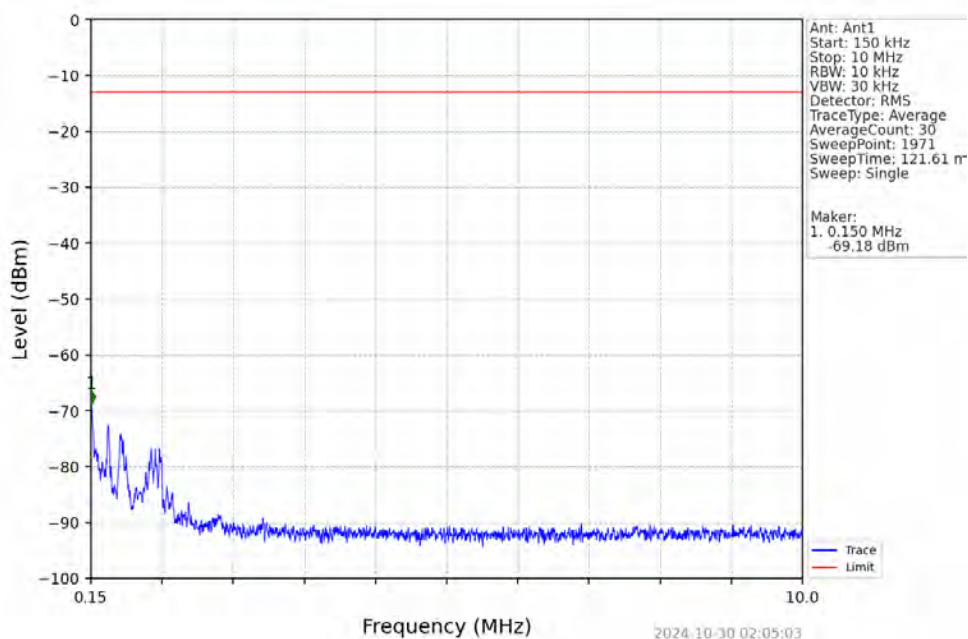


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.495	-32.51	-13	Pass
1849	1850	0.003	/	2	1849.995	-29.49	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

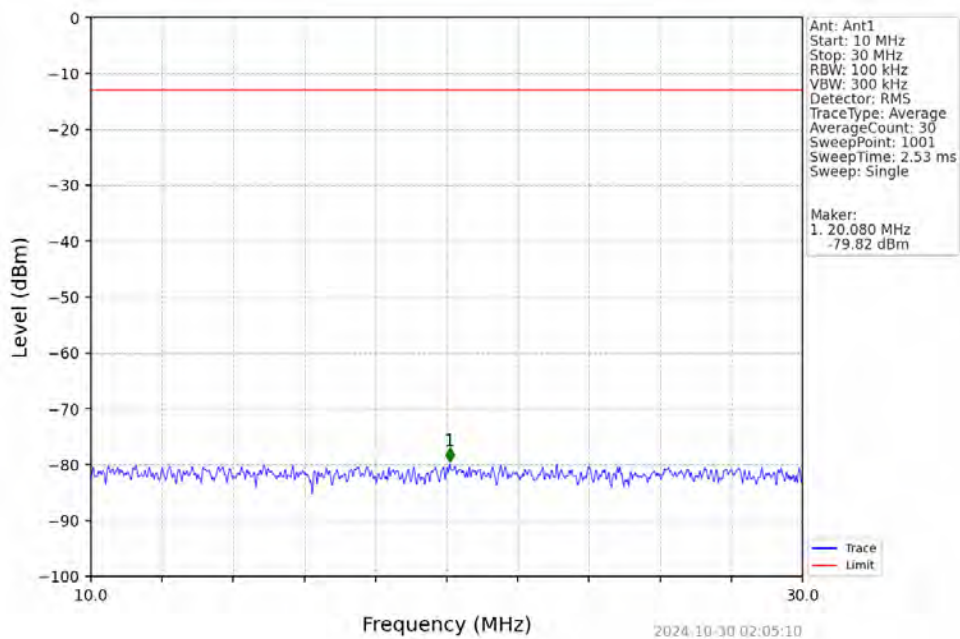
Band2 1.4MHz 16QAM LCH 1850.7MHz RB 1 0 NTNV



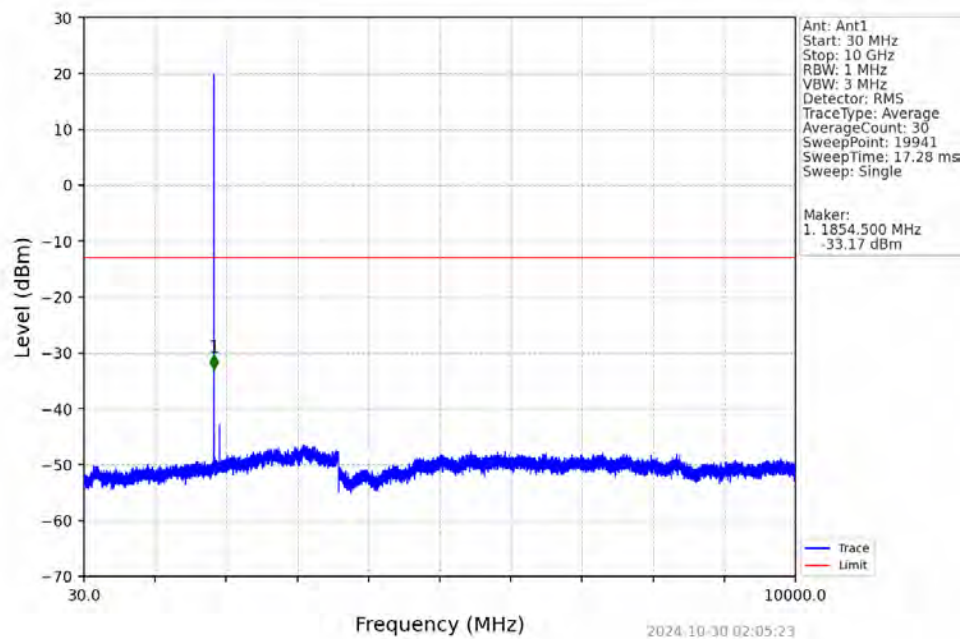
Band2 1.4MHz 16QAM LCH 1850.7MHz RB 1 0 NTNV



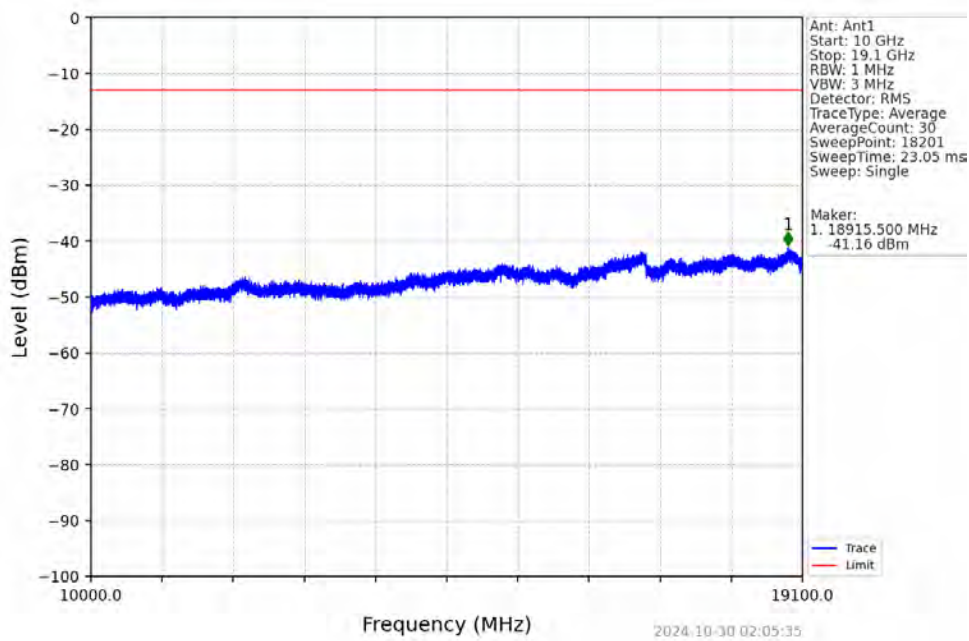
Band2 1.4MHz 16QAM LCH 1850.7MHz RB 1 0 NTNV



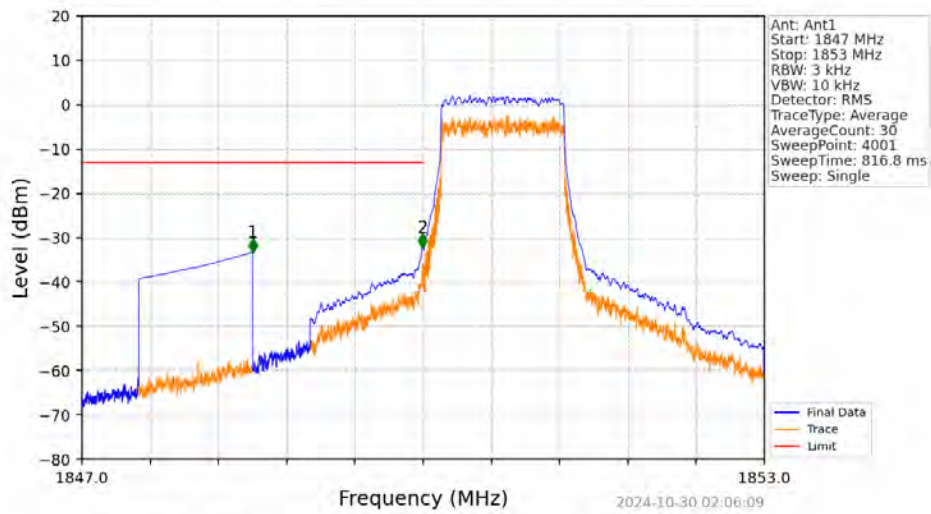
Band2 1.4MHz 16QAM LCH 1850.7MHz RB 1 0 NTNV



Band2 1.4MHz 16QAM LCH 1850.7MHz RB 1 0 NTNV

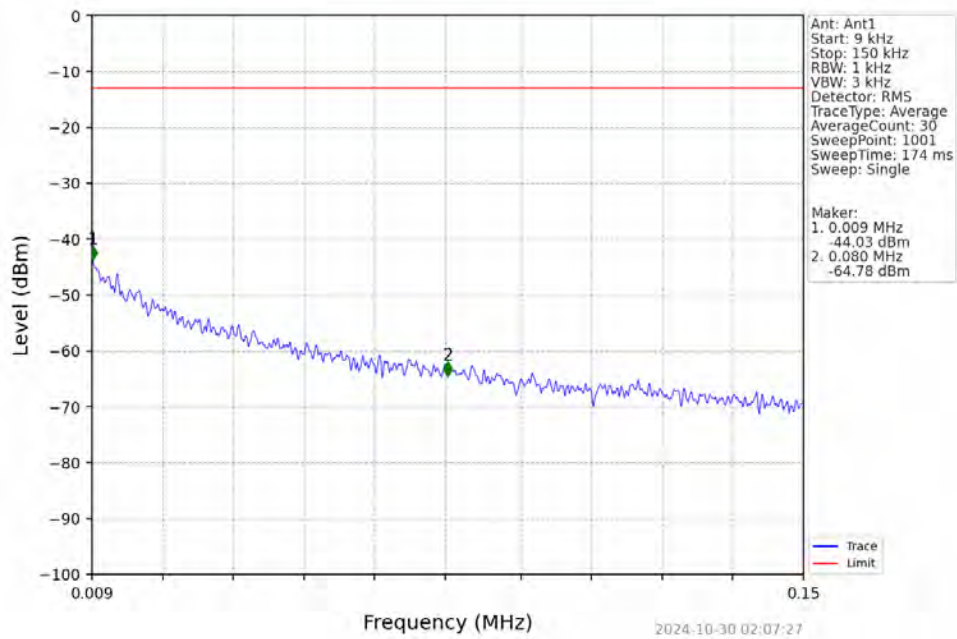


Band2 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTNV

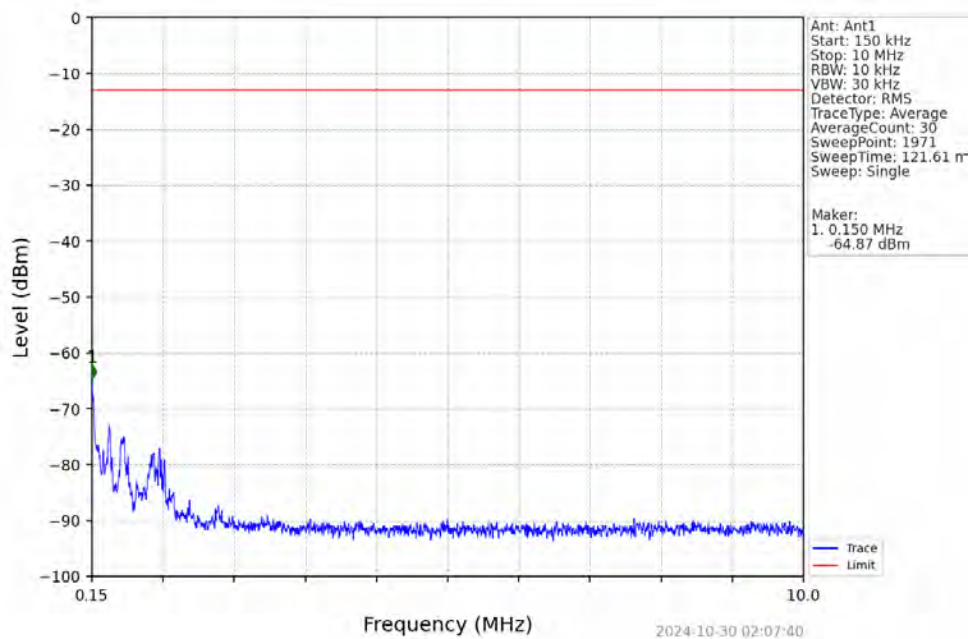


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-33.27	-13	Pass
1849	1850	0.013	CHP	2	1849.991	-32.22	-13	Pass
1850	1853	0.013	CHP	/	/	/	/	/

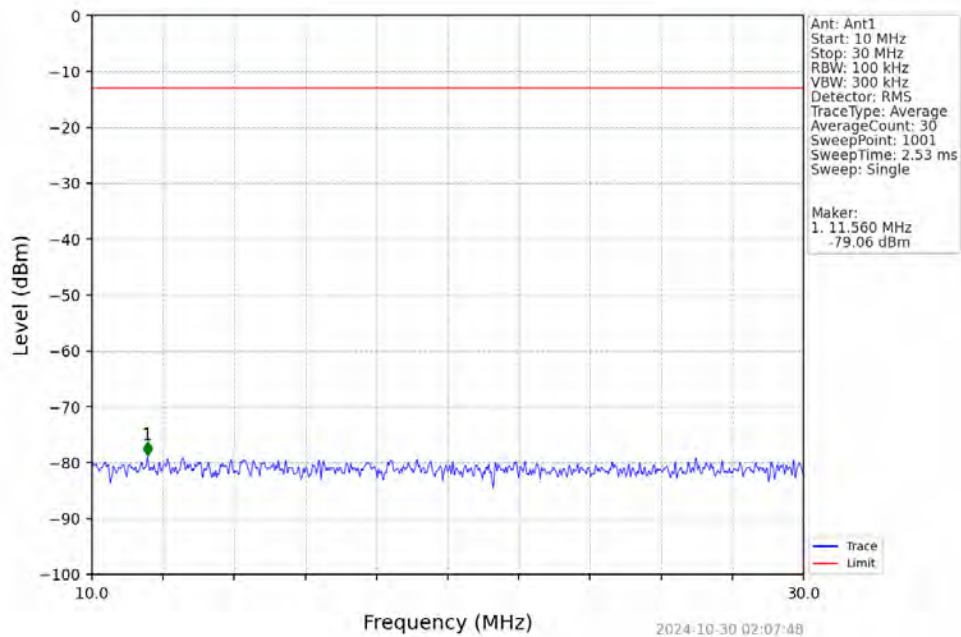
Band2 1.4MHz 16QAM MCH 1880MHz RB 1 0 NTNV



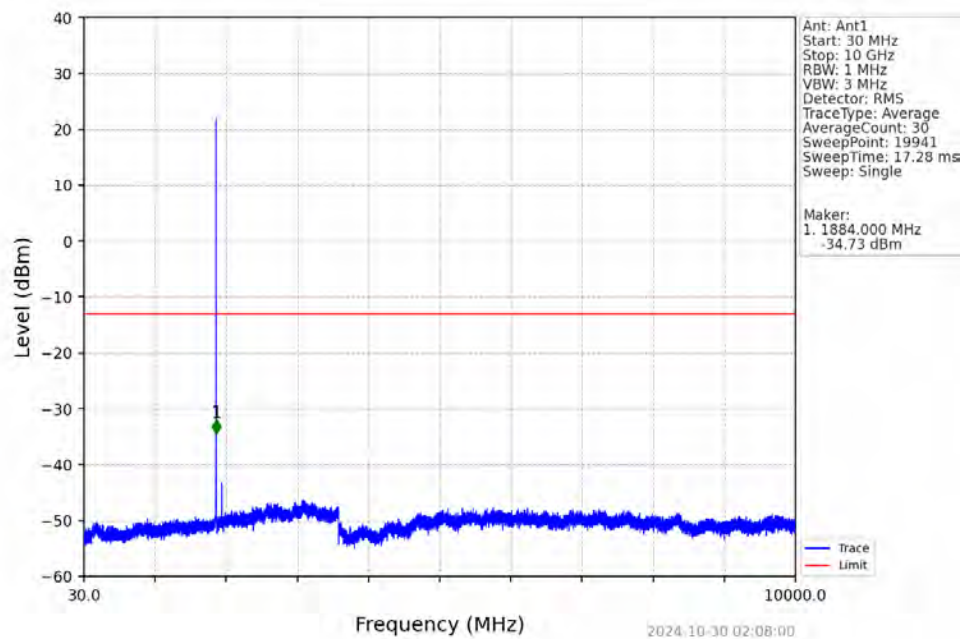
Band2 1.4MHz 16QAM MCH 1880MHz RB 1 0 NTNV



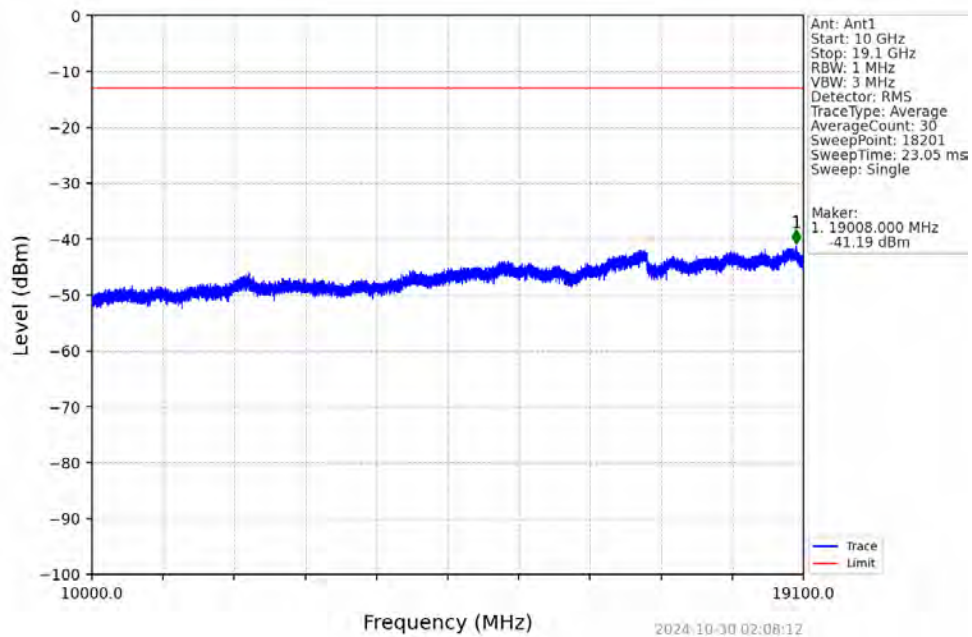
Band2 1.4MHz 16QAM MCH 1880MHz RB 1 0 NTNV



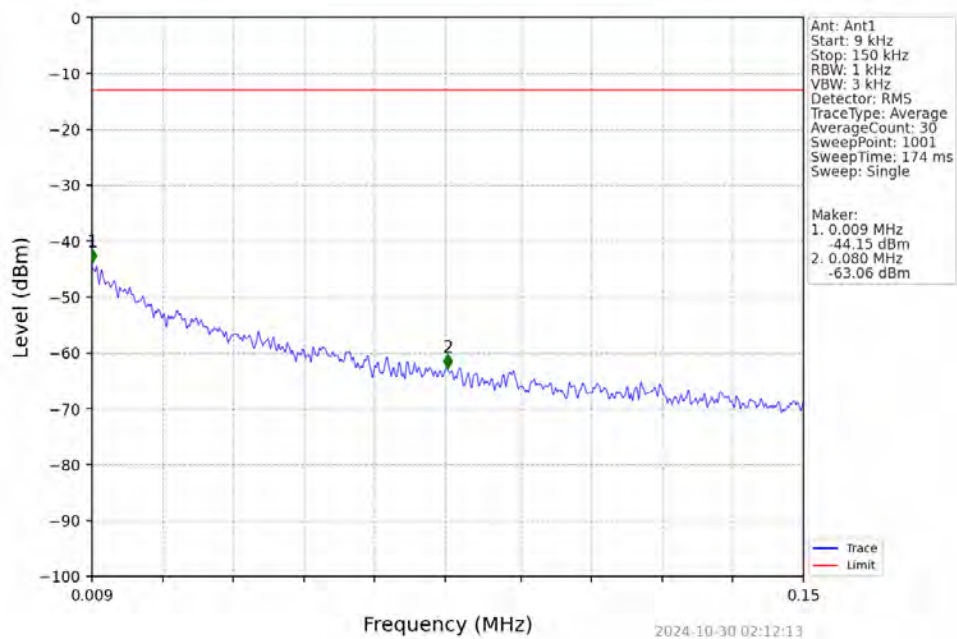
Band2 1.4MHz 16QAM MCH 1880MHz RB 1 0 NTNV



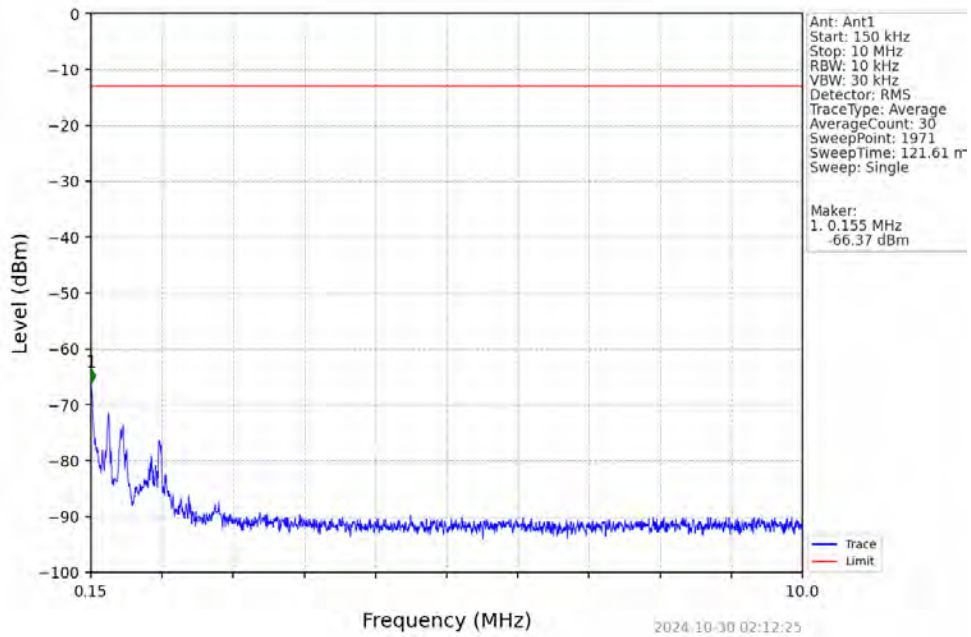
Band2 1.4MHz 16QAM MCH 1880MHz RB 1 0 NTNV



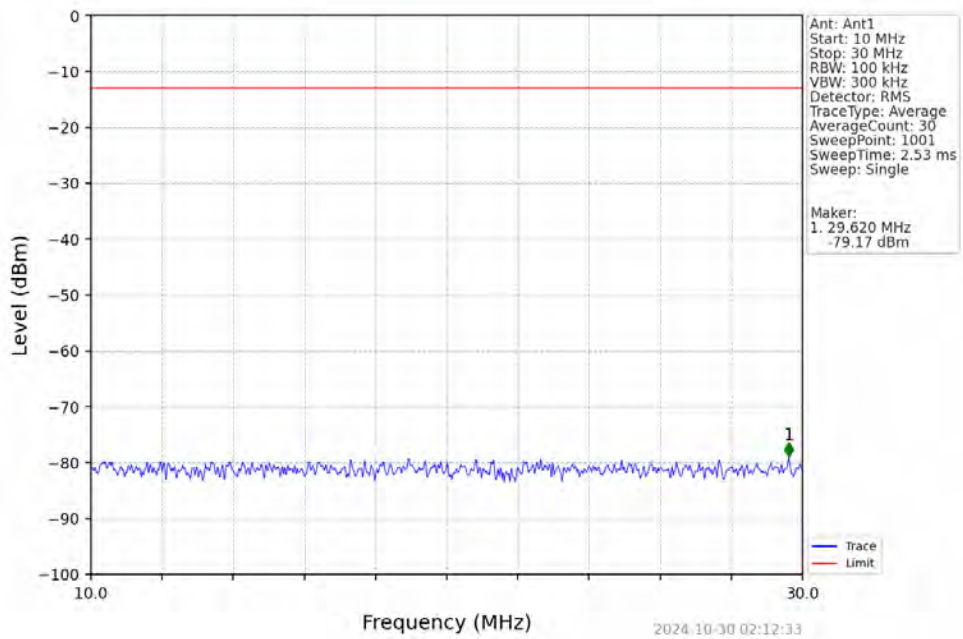
Band2 1.4MHz 16QAM HCH 1909.3MHz RB 1 0 NTNV



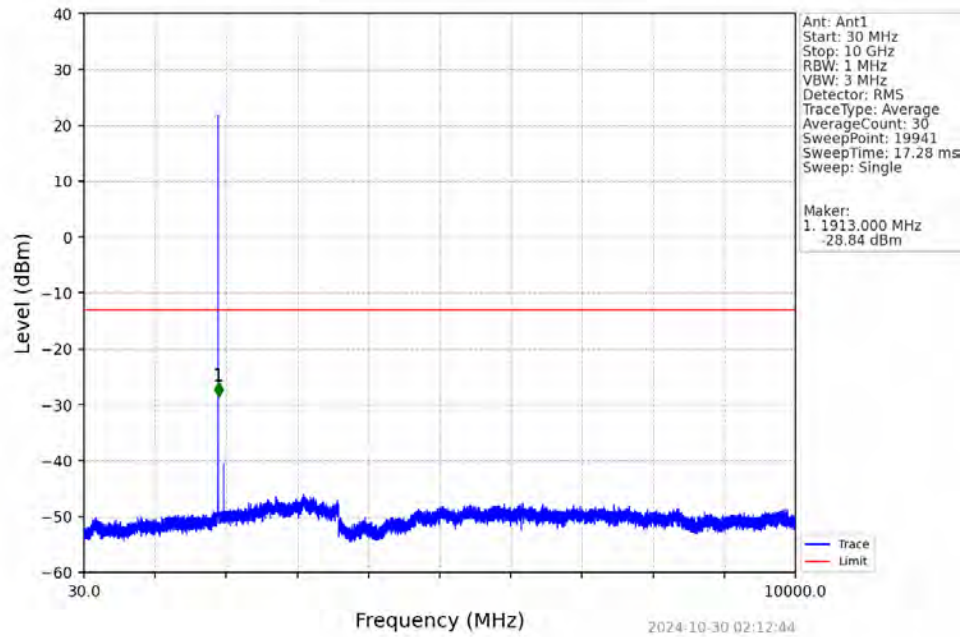
Band2 1.4MHz 16QAM HCH 1909.3MHz RB 1 0 NTNV



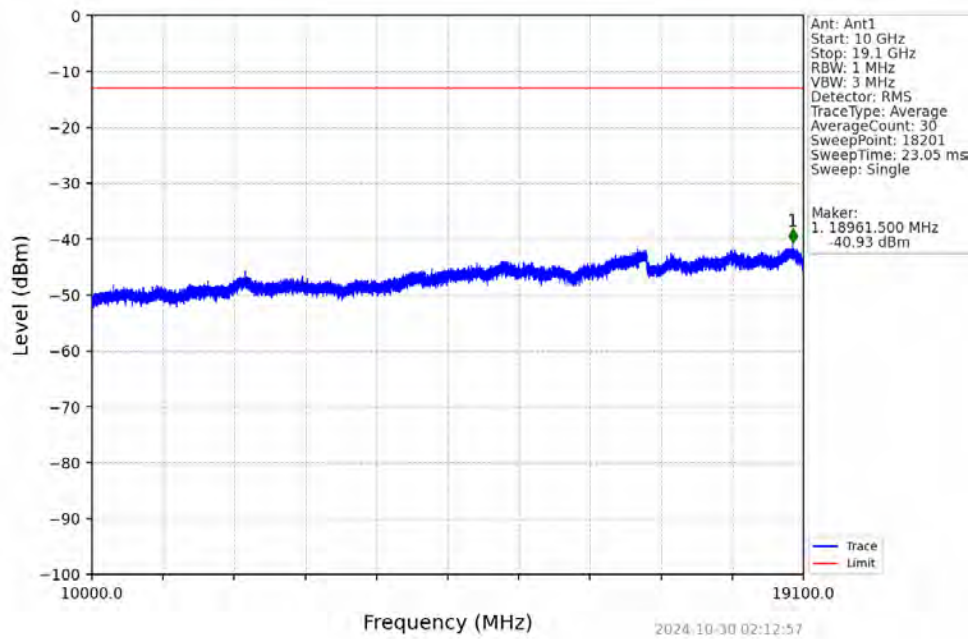
Band2 1.4MHz 16QAM HCH 1909.3MHz RB 1 0 NTNV



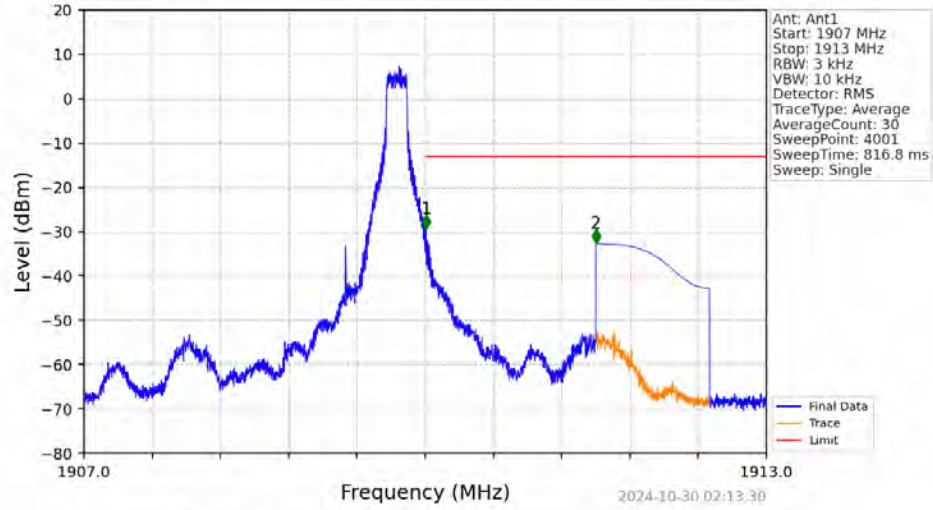
Band2 1.4MHz 16QAM HCH 1909.3MHz RB 1 0 NTNV



Band2 1.4MHz 16QAM HCH 1909.3MHz RB 1 0 NTNV

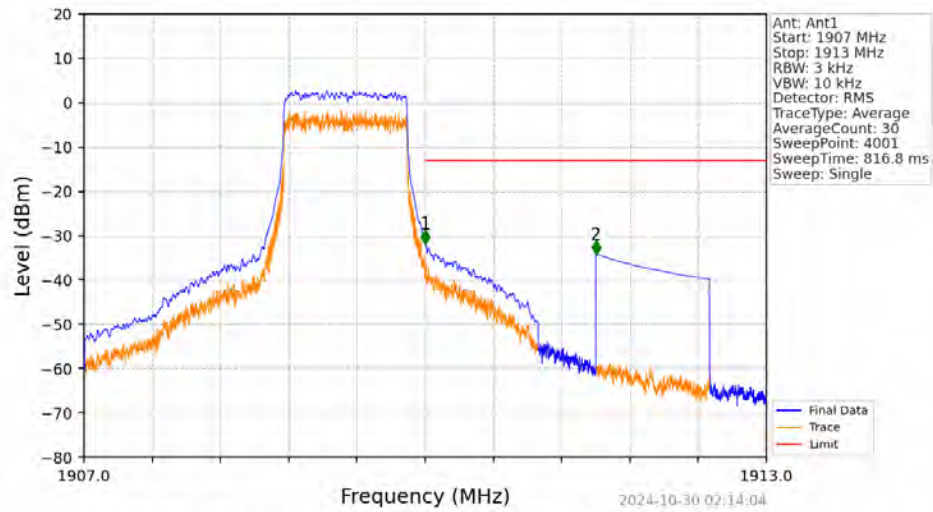


Band2 1.4MHz 16QAM HCH 1909.3MHz RB 1 5 NTNV



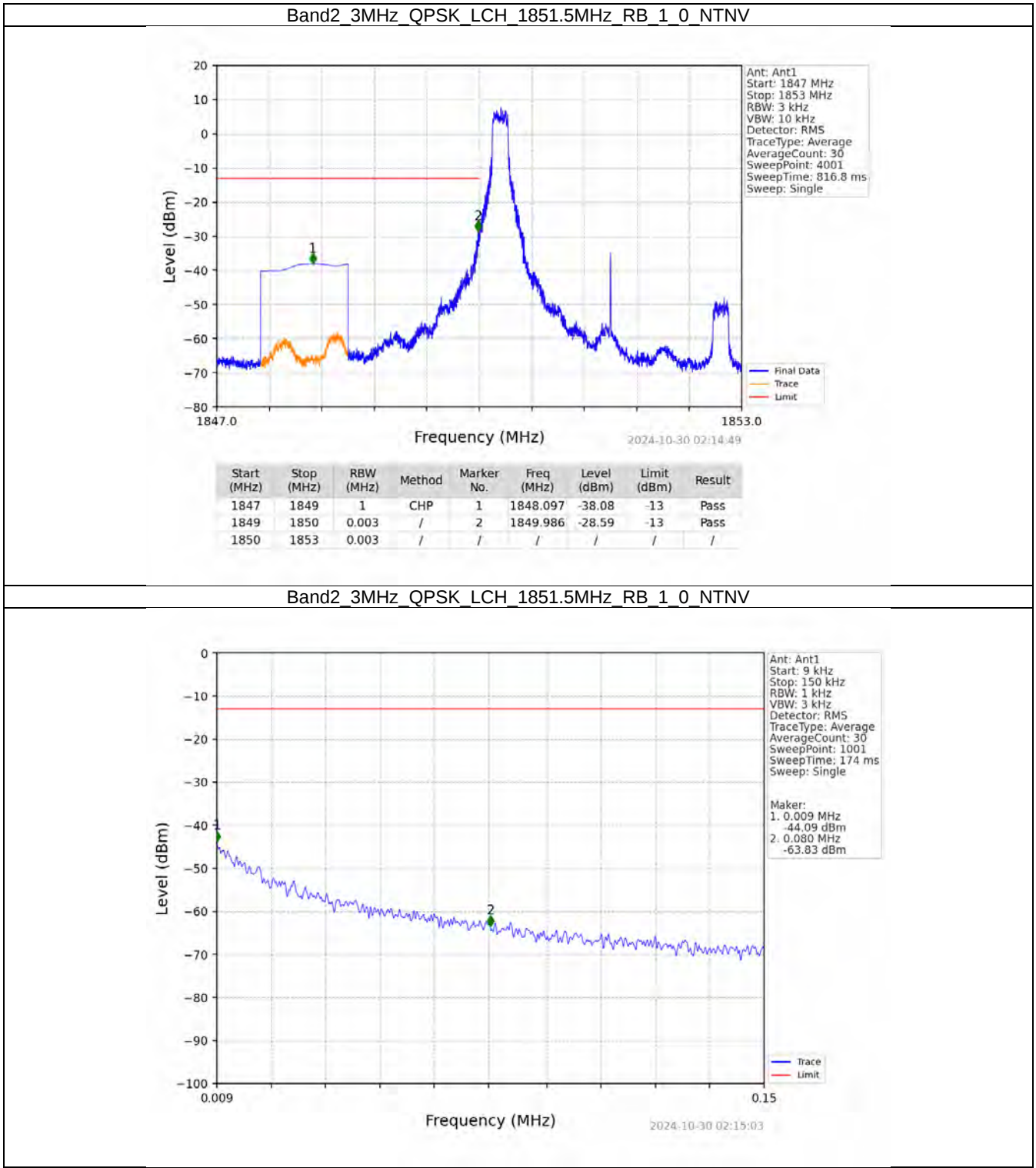
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.006	-29.39	-13	Pass
1911	1913	1	CHP	2	1911.500	-32.67	-13	Pass

Band2 1.4MHz 16QAM HCH 1909.3MHz RB 6 0 NTNV

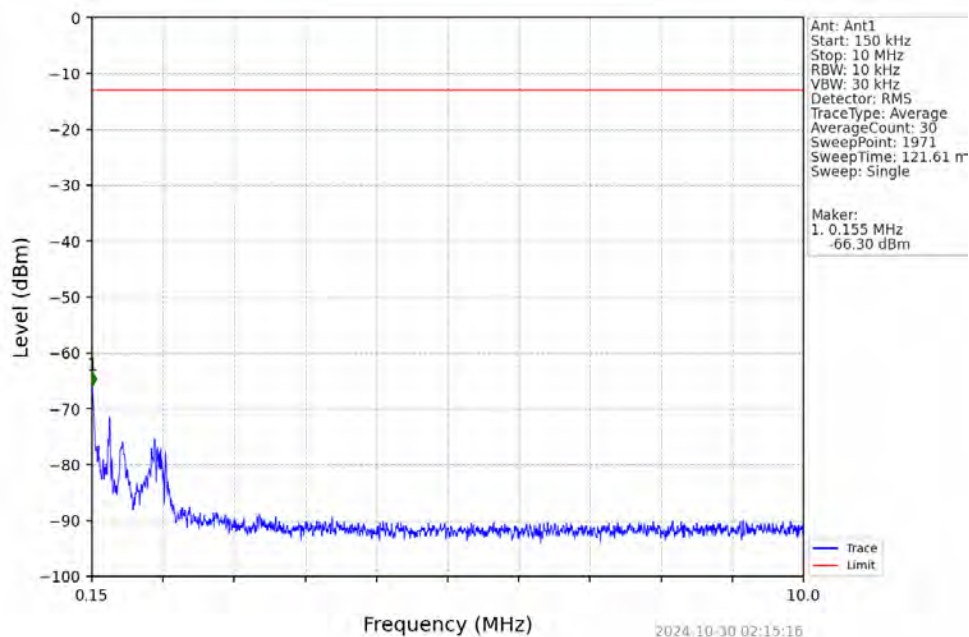


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.013	CHP	/	/	/	/	/
1910	1911	0.013	CHP	1	1910.003	-31.88	-13	Pass
1911	1913	1	CHP	2	1911.500	-34.14	-13	Pass

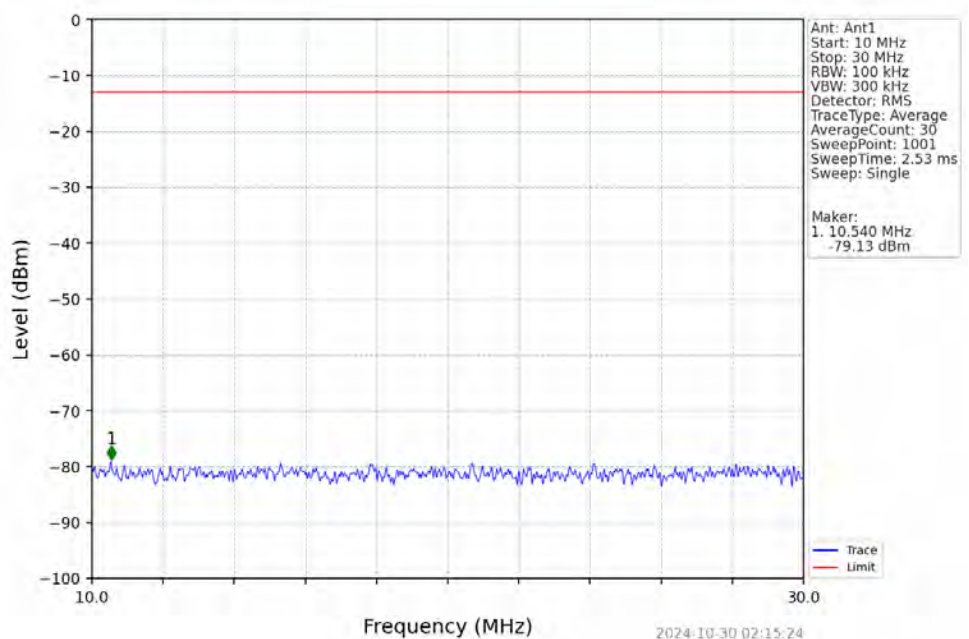
6.2.2 B2_3MHz



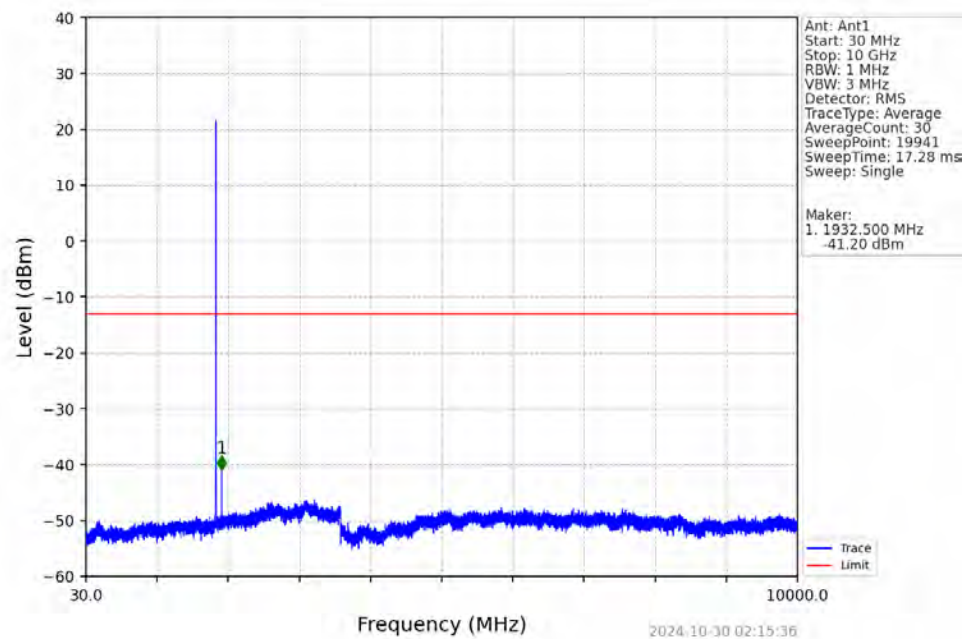
Band2 3MHz QPSK LCH 1851.5MHz RB 1 0 NTN



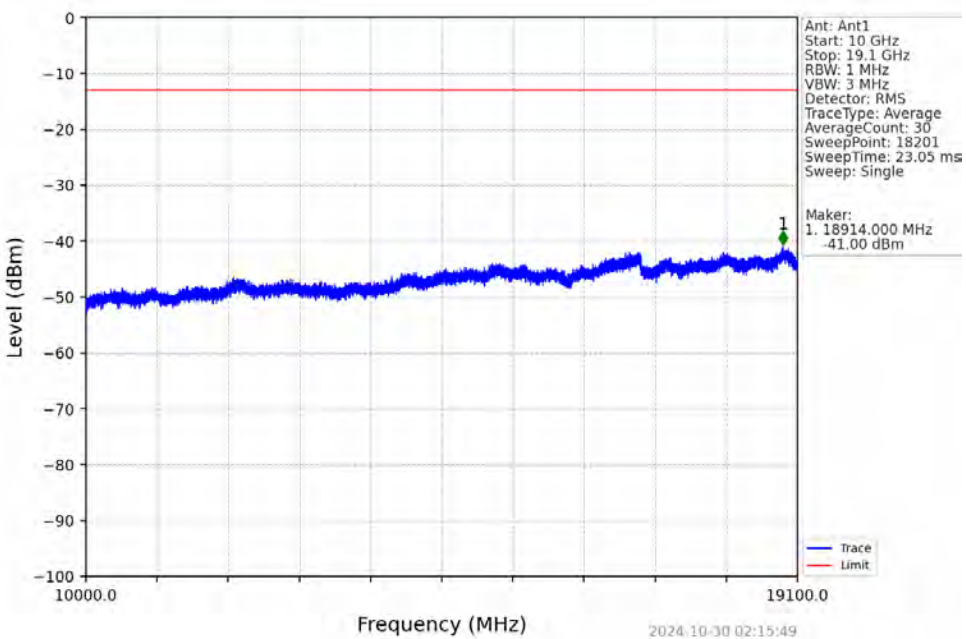
Band2 3MHz QPSK LCH 1851.5MHz RB 1 0 NTN



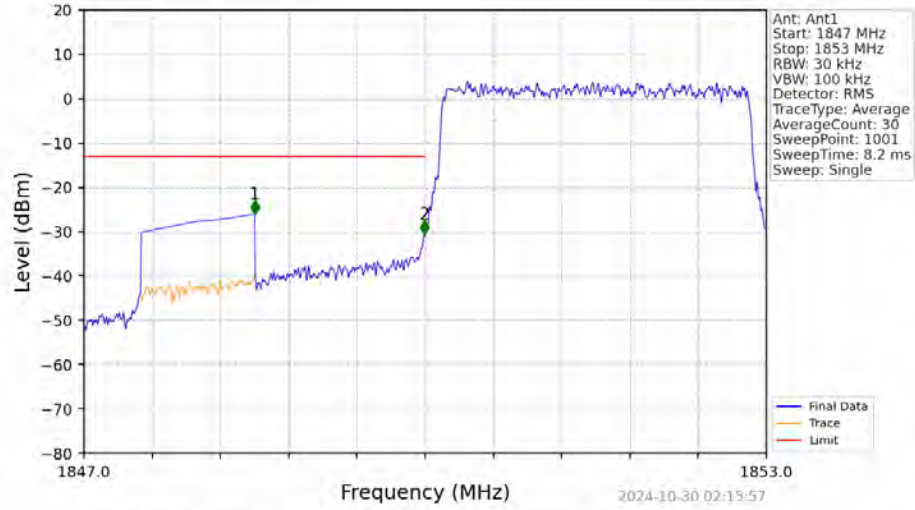
Band2 3MHz QPSK LCH 1851.5MHz RB 1 0 NTNV



Band2 3MHz QPSK LCH 1851.5MHz RB 1 0 NTNV

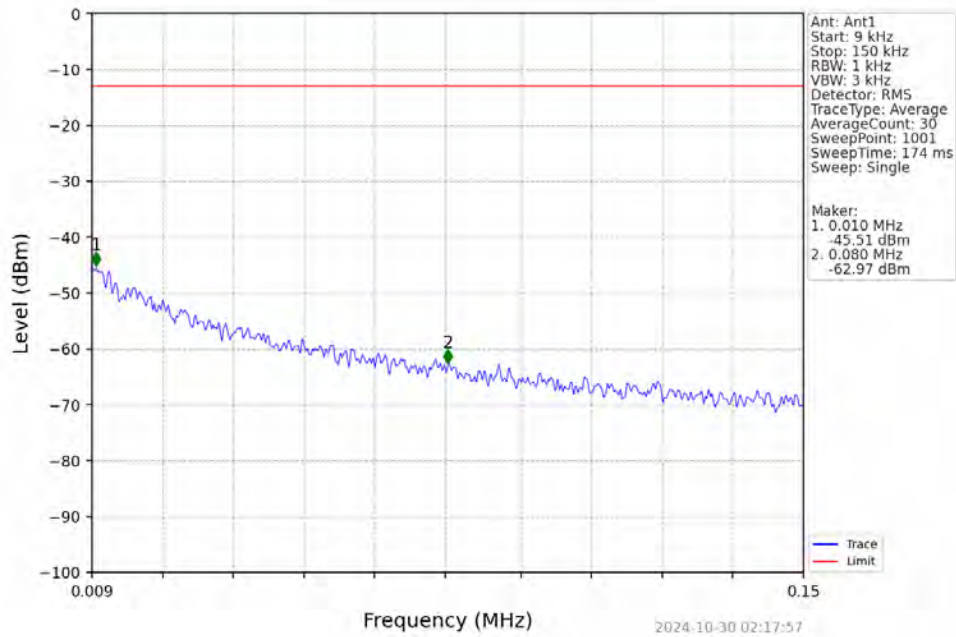


Band2 3MHz QPSK LCH 1851.5MHz RB 15 0 NTNV

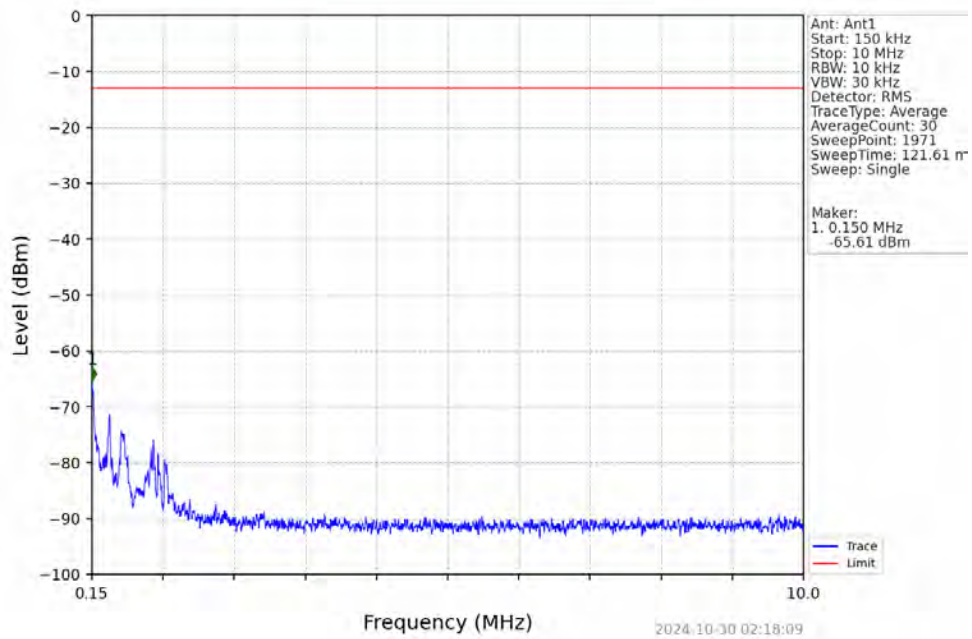


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-26.05	-13	Pass
1849	1850	0.03	/	2	1849.994	-30.61	-13	Pass
1850	1853	0.03	/	/	/	/	/	/

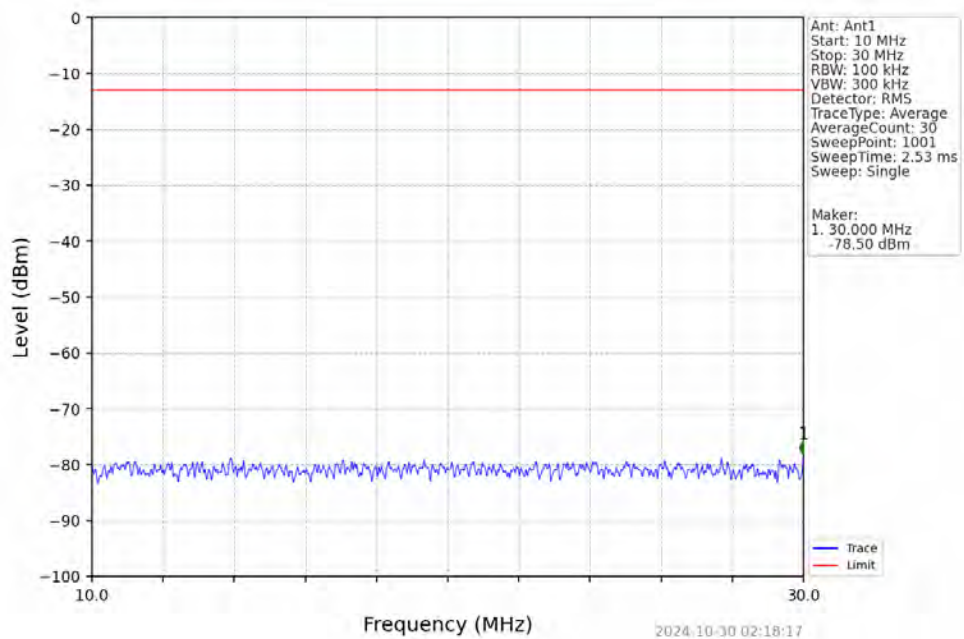
Band2 3MHz QPSK MCH 1880MHz RB 1 0 NTNV



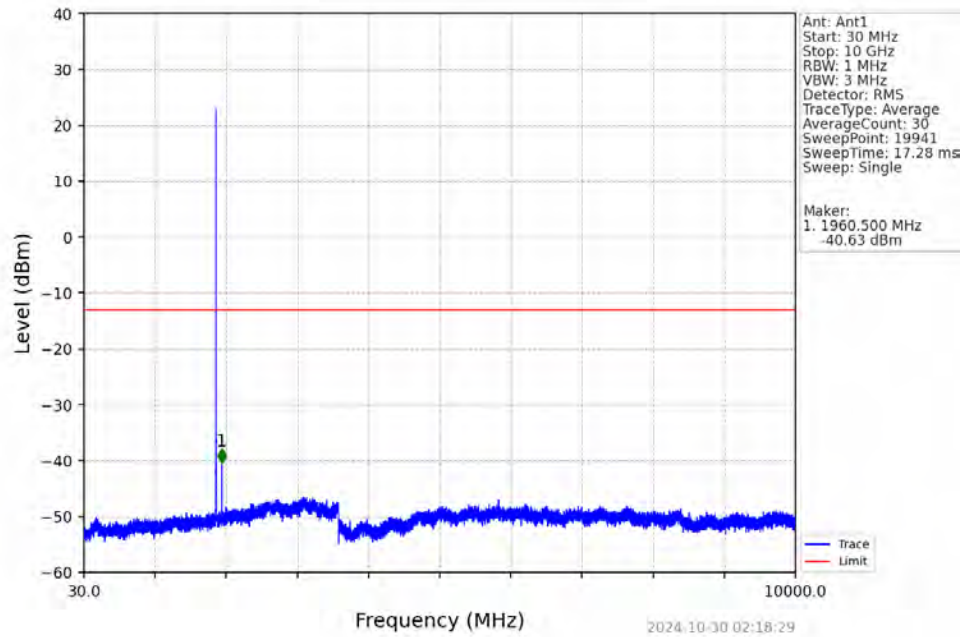
Band2 3MHz QPSK MCH 1880MHz RB 1 0 NTNV



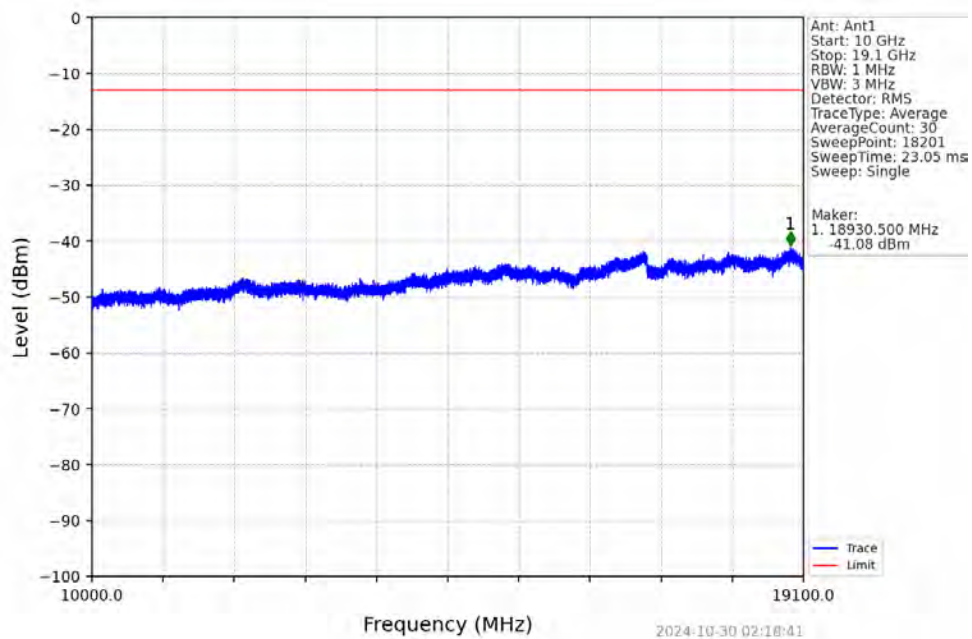
Band2 3MHz QPSK MCH 1880MHz RB 1 0 NTNV



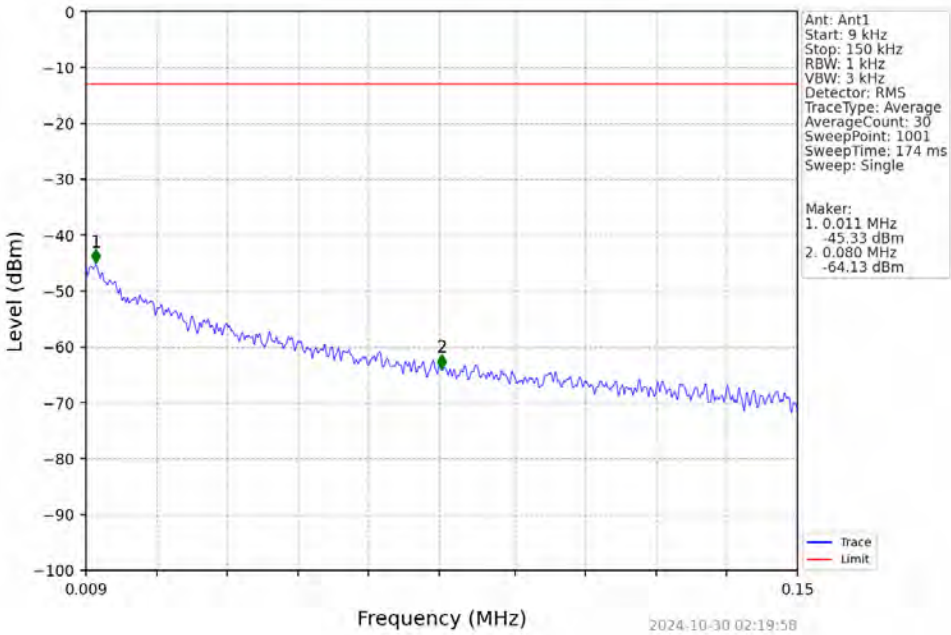
Band2 3MHz QPSK MCH 1880MHz RB 1 0 NTN



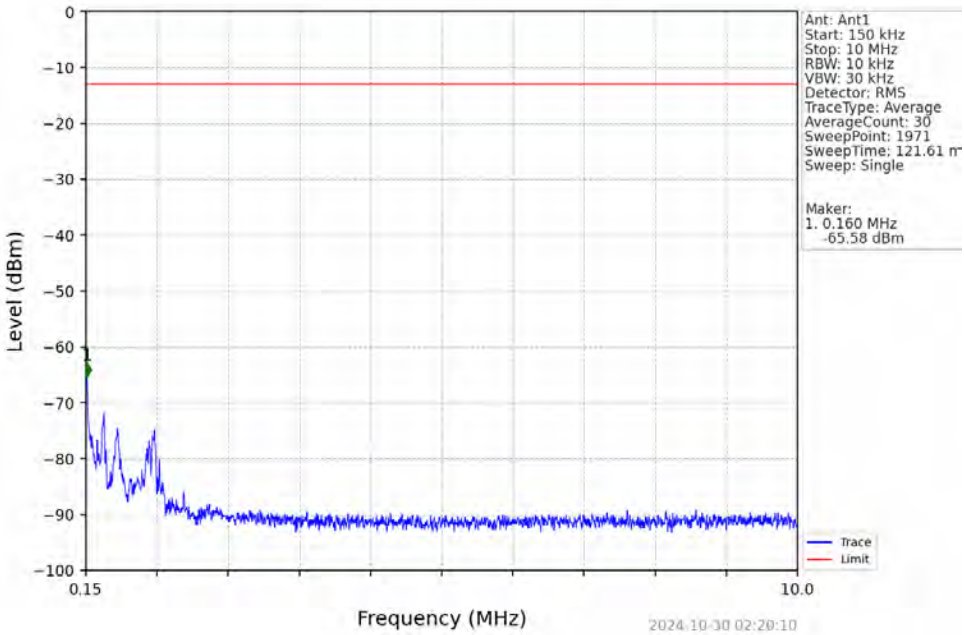
Band2 3MHz QPSK MCH 1880MHz RB 1 0 NTN



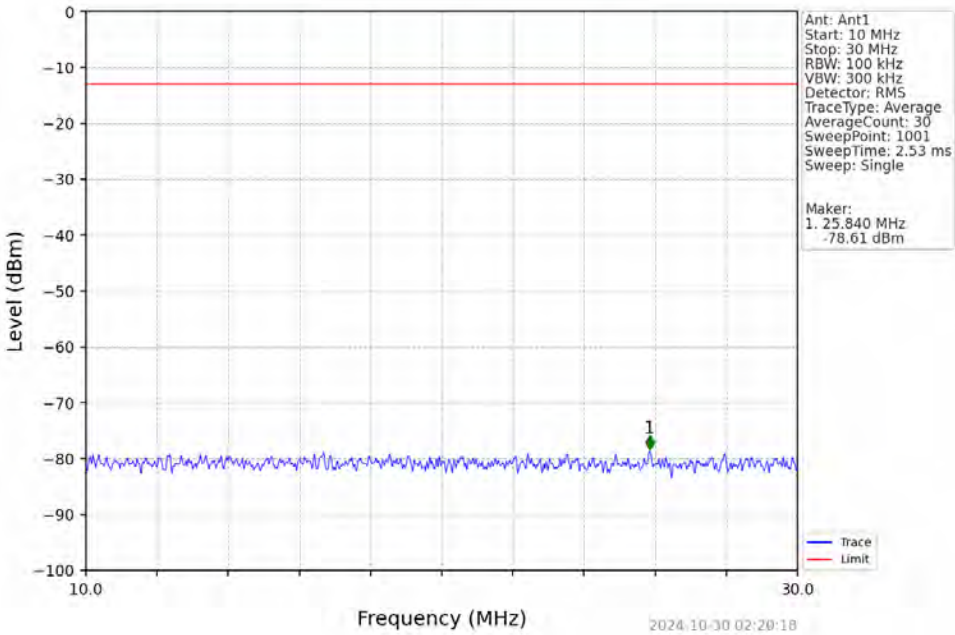
Band2 3MHz QPSK HCH 1908.5MHz RB 1 0 NTNV



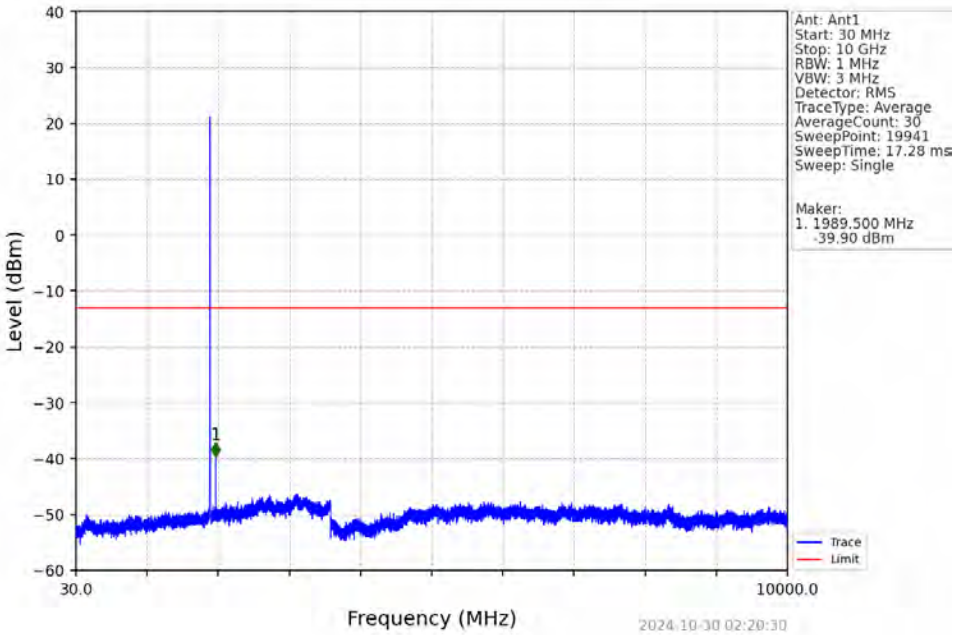
Band2 3MHz QPSK HCH 1908.5MHz RB 1 0 NTNV



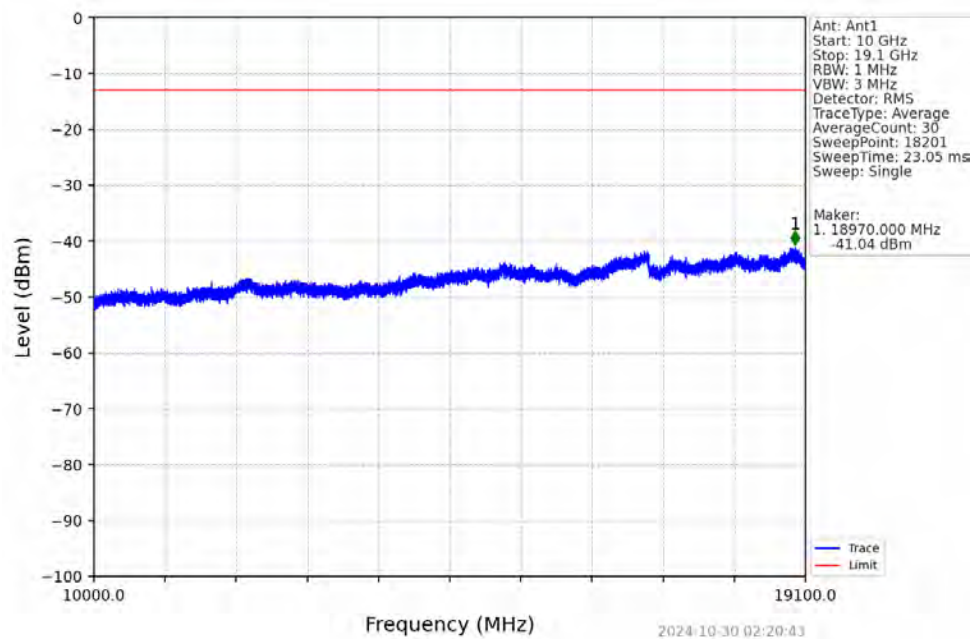
Band2 3MHz QPSK HCH 1908.5MHz RB 1 0 NTN



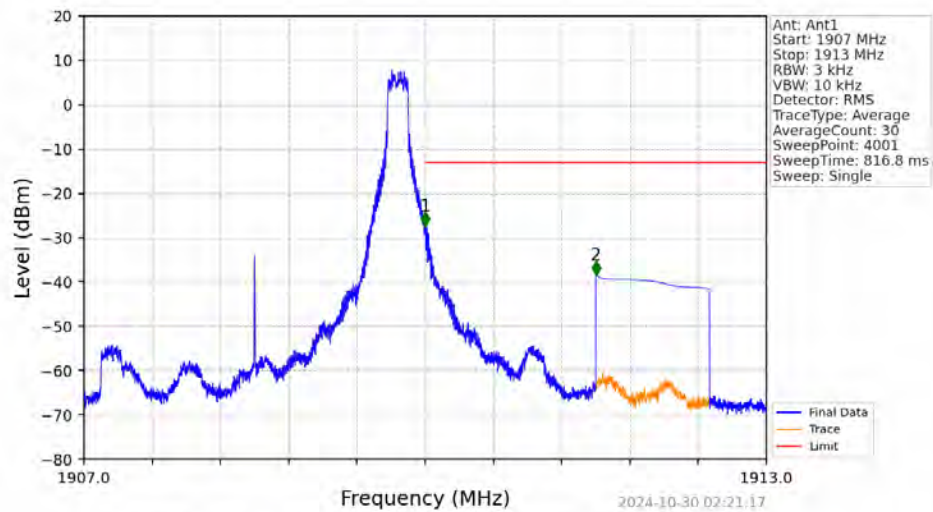
Band2 3MHz QPSK HCH 1908.5MHz RB 1 0 NTN



Band2 3MHz QPSK HCH 1908.5MHz RB 1 0 NTN

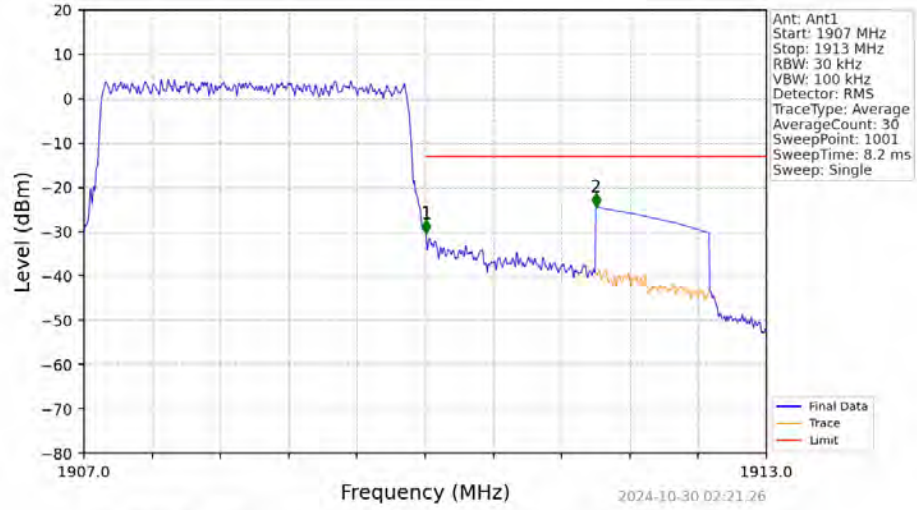


Band2 3MHz QPSK HCH 1908.5MHz RB 1 14 NTN



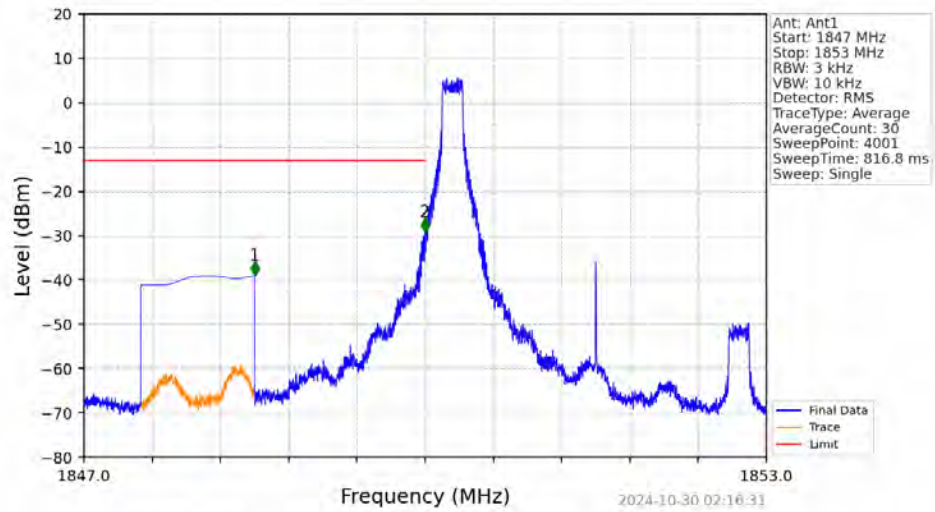
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.003	-27.32	-13	Pass
1911	1913	1	CHP	2	1911.500	-38.35	-13	Pass

Band2 3MHz QPSK HCH 1908.5MHz RB 15 0 NTV



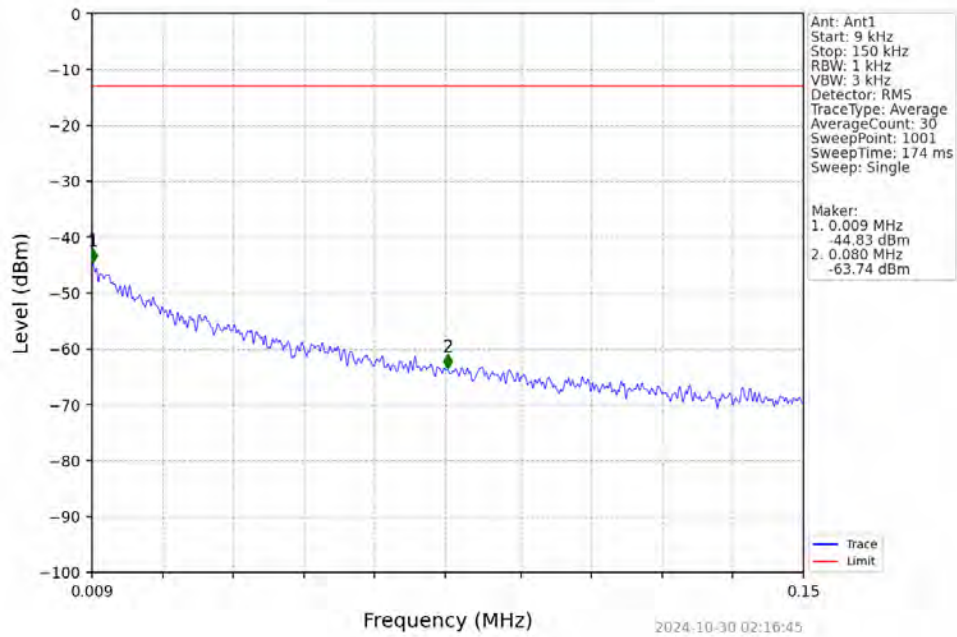
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.03	/	/	/	/	/	/
1910	1911	0.03	/	1	1910.006	-30.37	-13	Pass
1911	1913	1	CHP	2	1911.500	-24.43	-13	Pass

Band2 3MHz 16QAM LCH 1851.5MHz RB 1 0 NTV

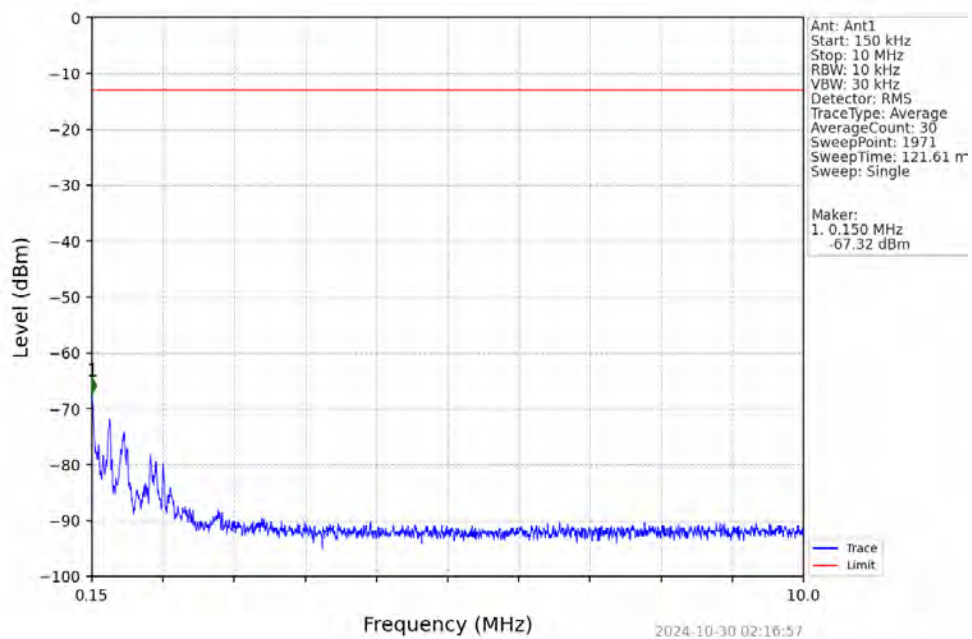


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-39.00	-13	Pass
1849	1850	0.003	/	2	1849.997	-29.09	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

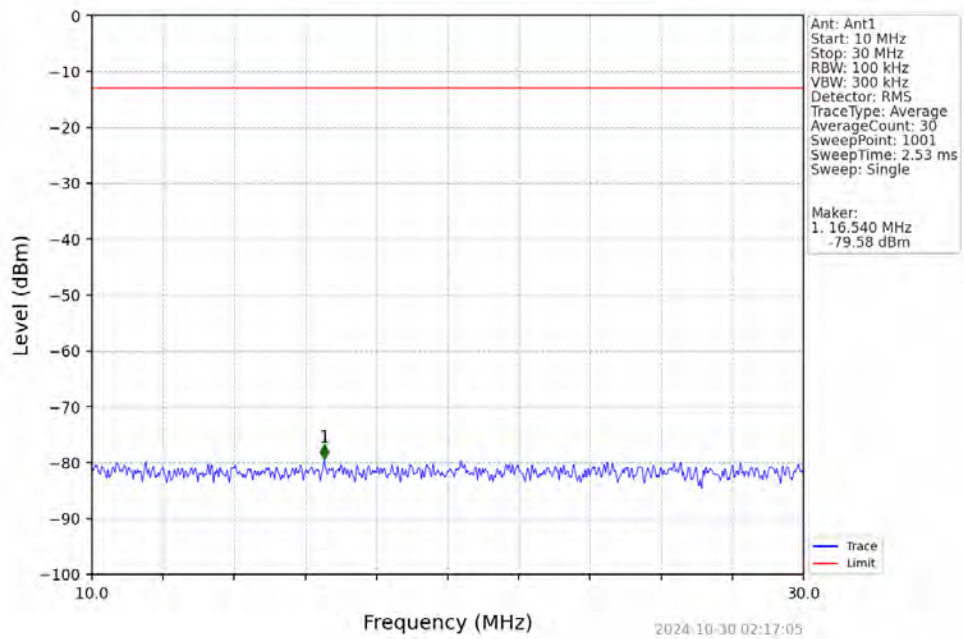
Band2 3MHz 16QAM LCH 1851.5MHz RB 1 0 NTNV



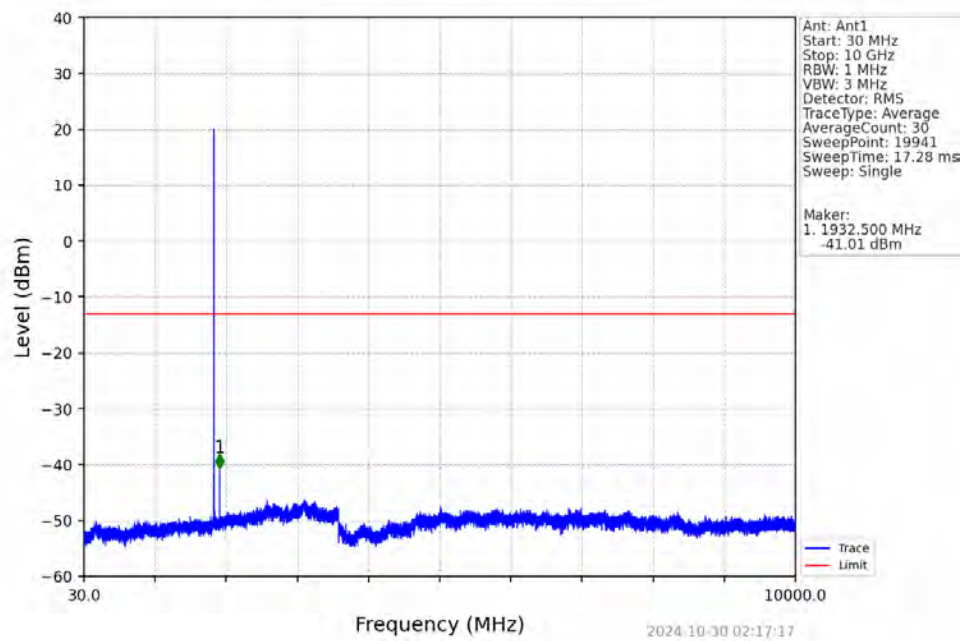
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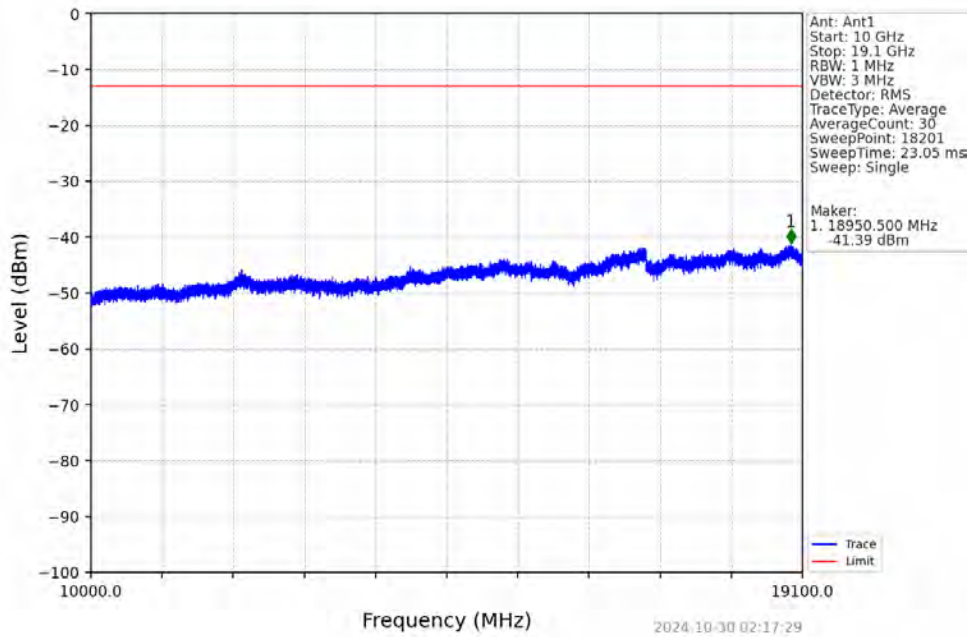
Band2 3MHz 16QAM LCH 1851.5MHz RB 1 0 NTNV



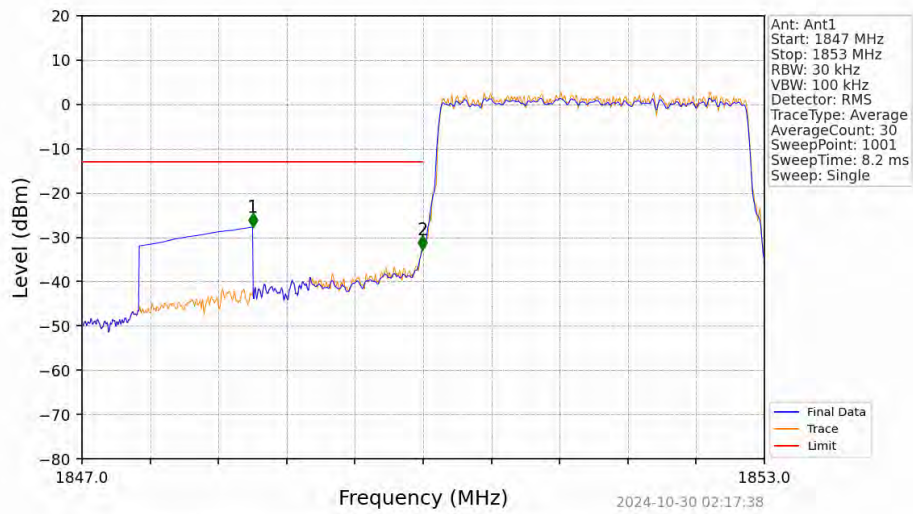
Band2 3MHz 16QAM LCH 1851.5MHz RB 1 0 NTNV



Band2 3MHz 16QAM LCH 1851.5MHz RB 1 0 NTNV

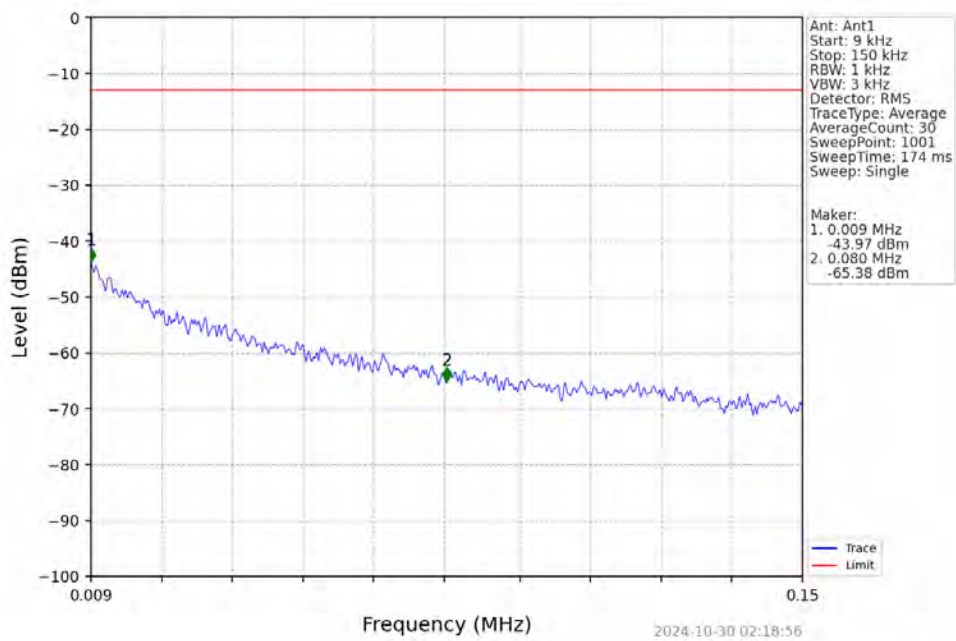


Band2 3MHz 16QAM LCH 1851.5MHz RB 15 0 NTNV

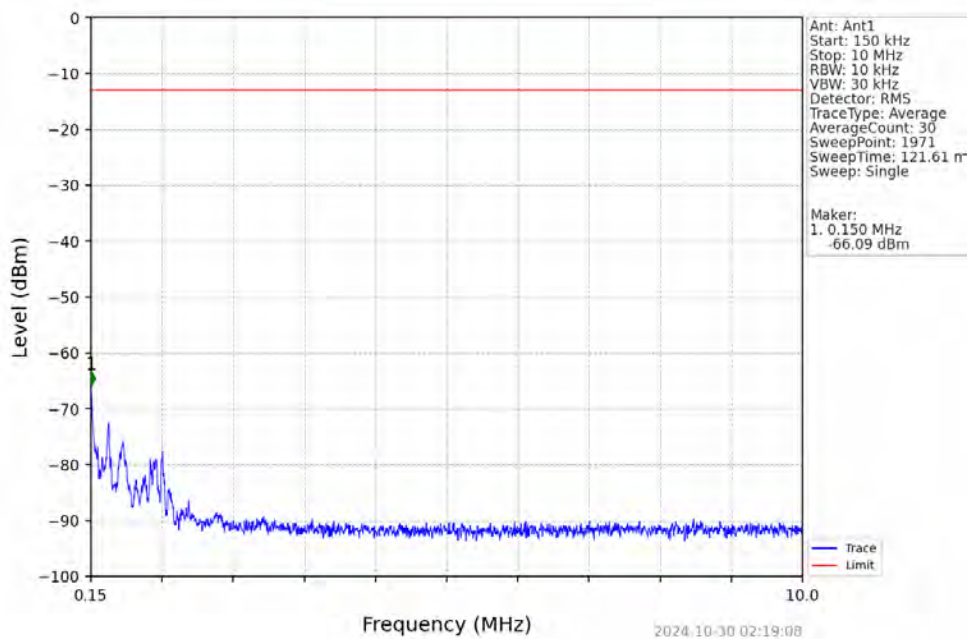


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-27.71	-13	Pass
1849	1850	0.031	CHP	2	1849.994	-32.78	-13	Pass
1850	1853	0.031	CHP	/	/	/	/	/

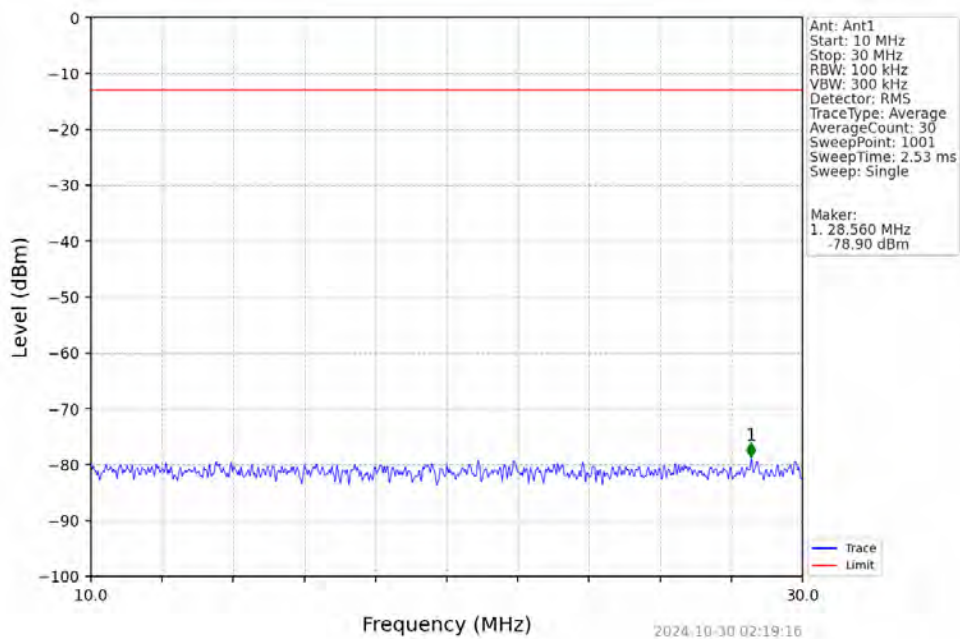
Band2 3MHz 16QAM MCH 1880MHz RB 1 0 NTN



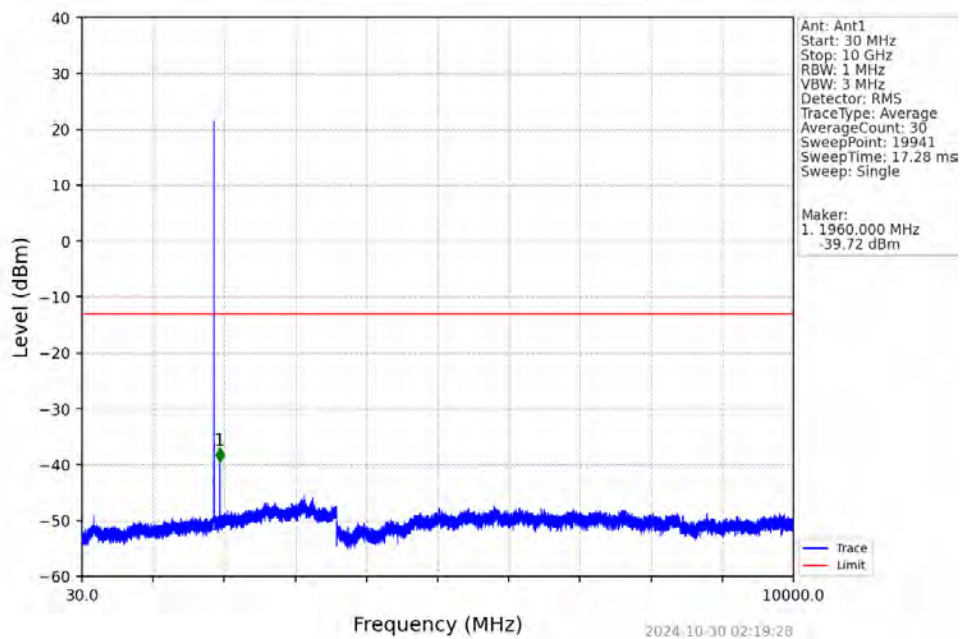
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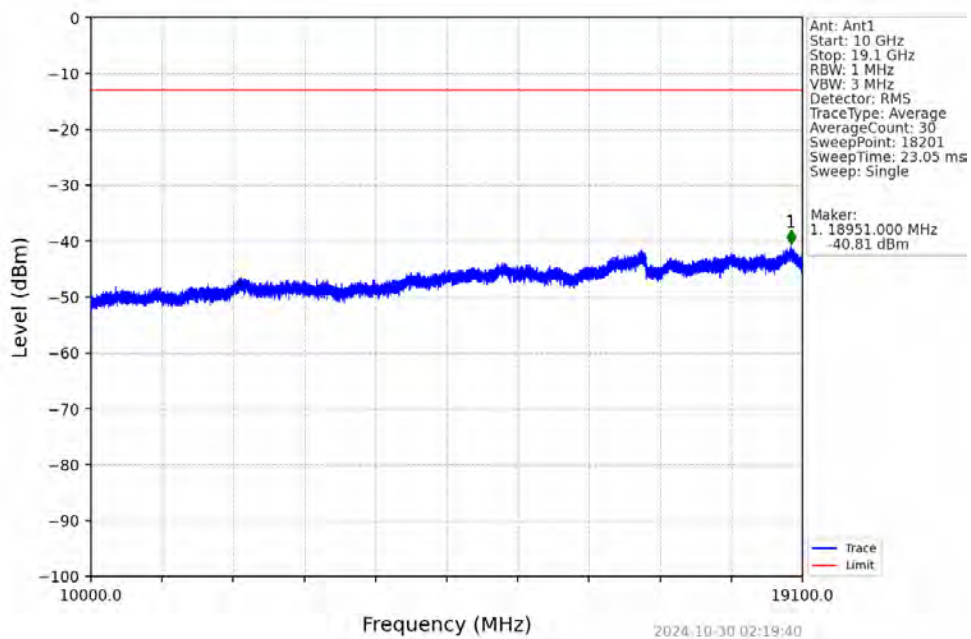
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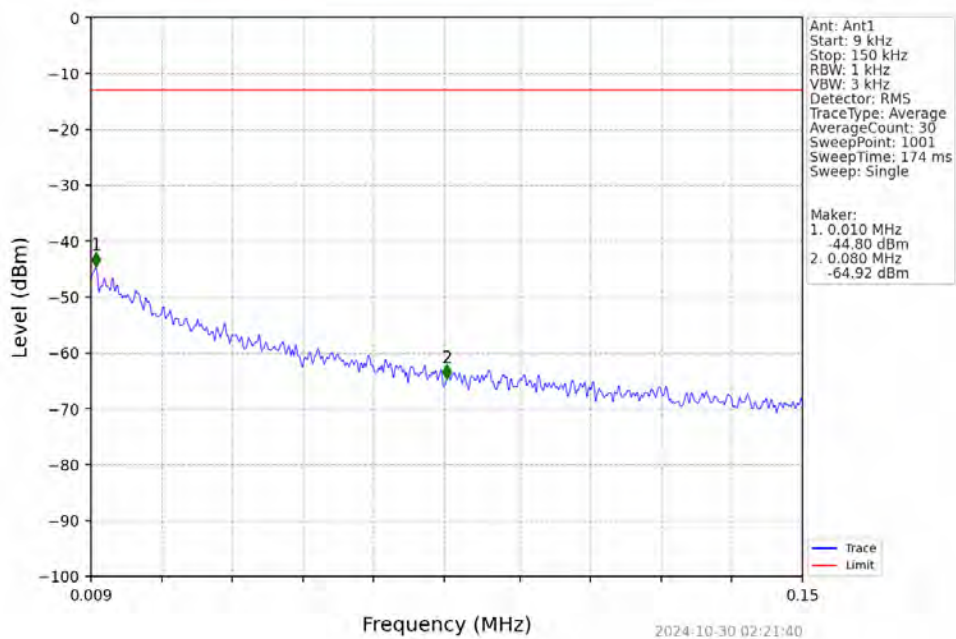
Band2 3MHz 16QAM MCH 1880MHz RB 1 0 NTN



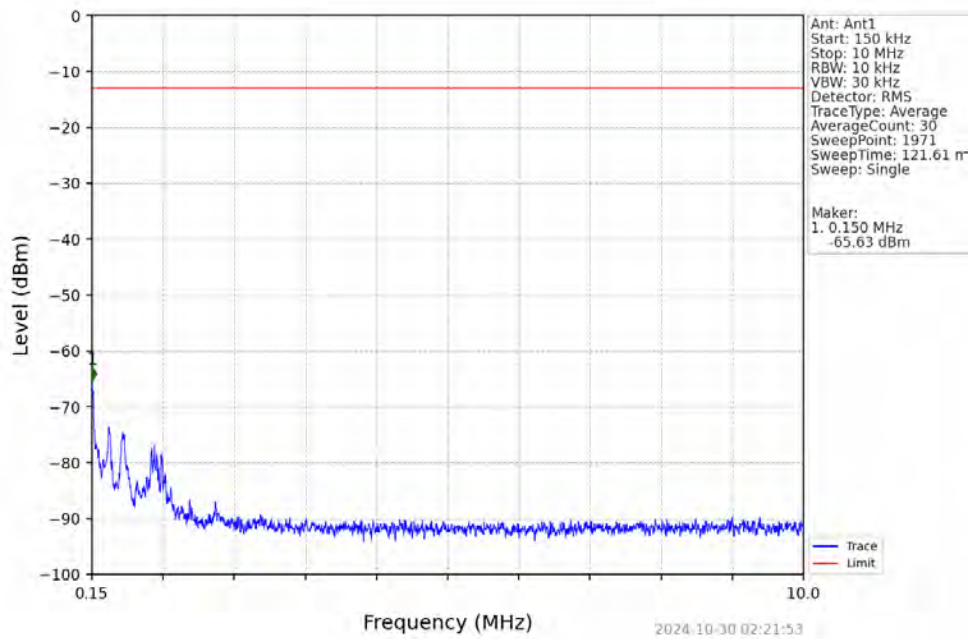
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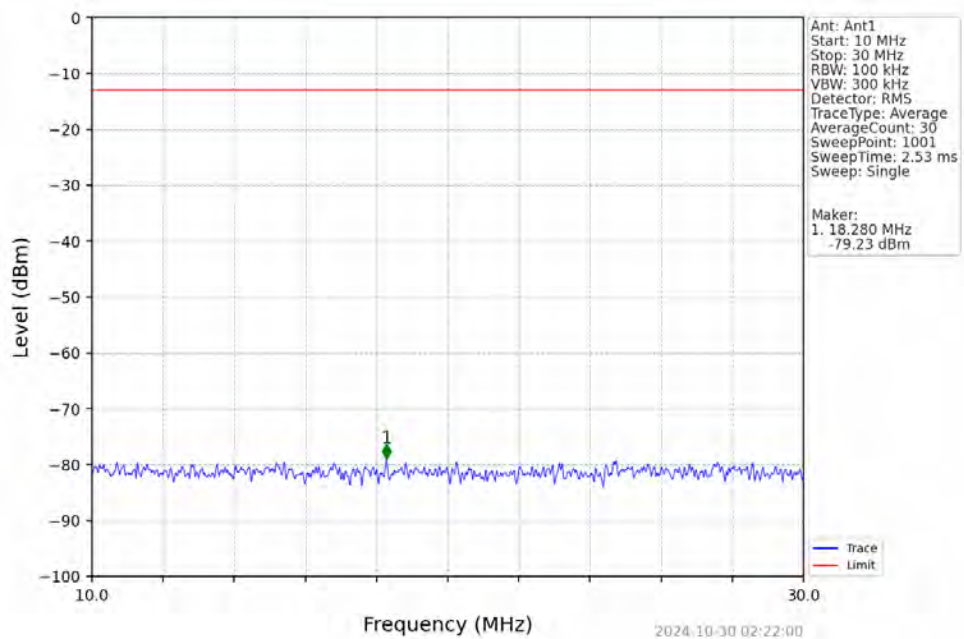
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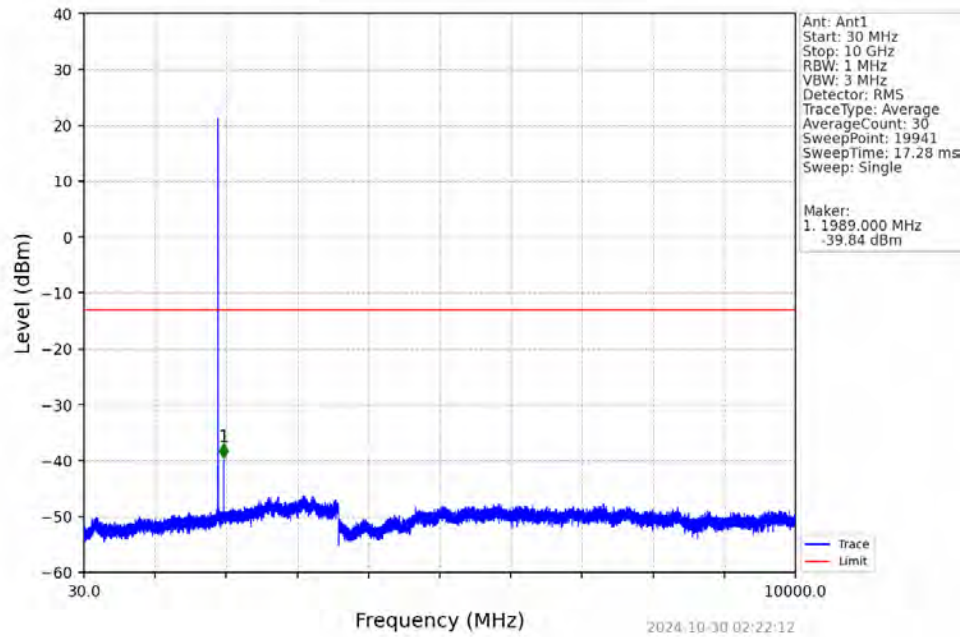
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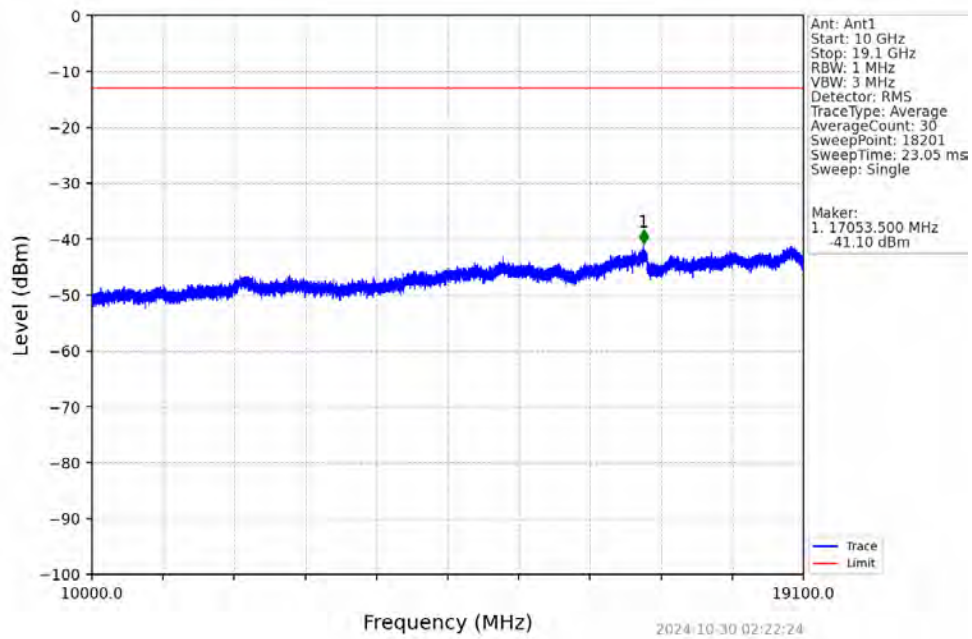
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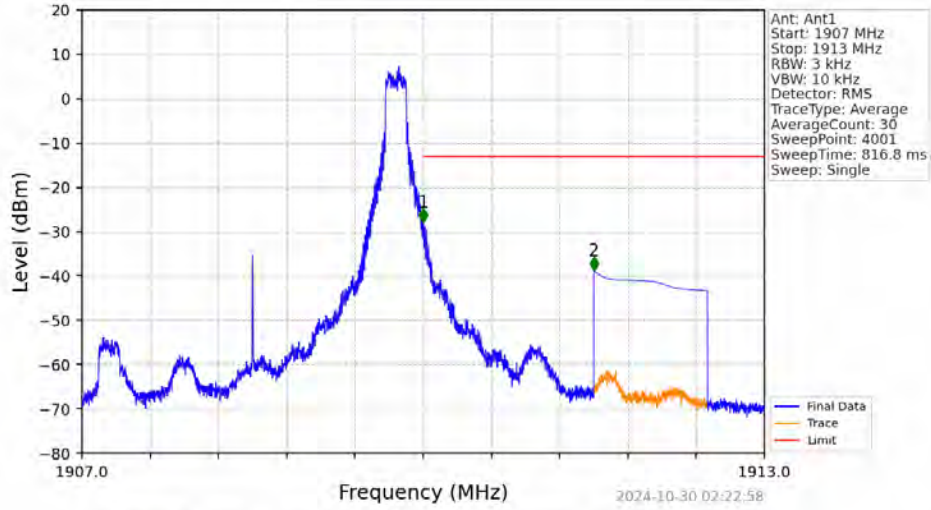
Band2 3MHz 16QAM HCH 1908.5MHz RB 1 0 NTNV



Band2 3MHz 16QAM HCH 1908.5MHz RB 1 0 NTNV

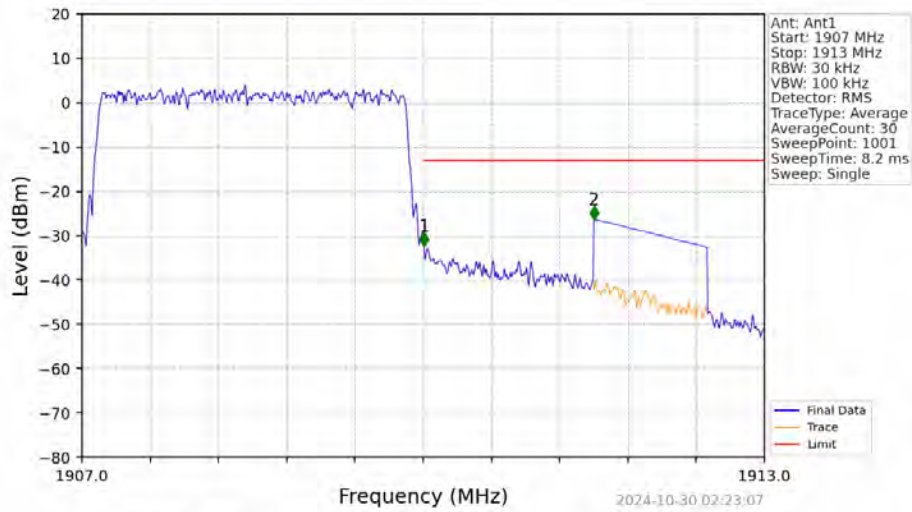


Band2 3MHz 16QAM HCH 1908.5MHz RB 1 14 NTNV



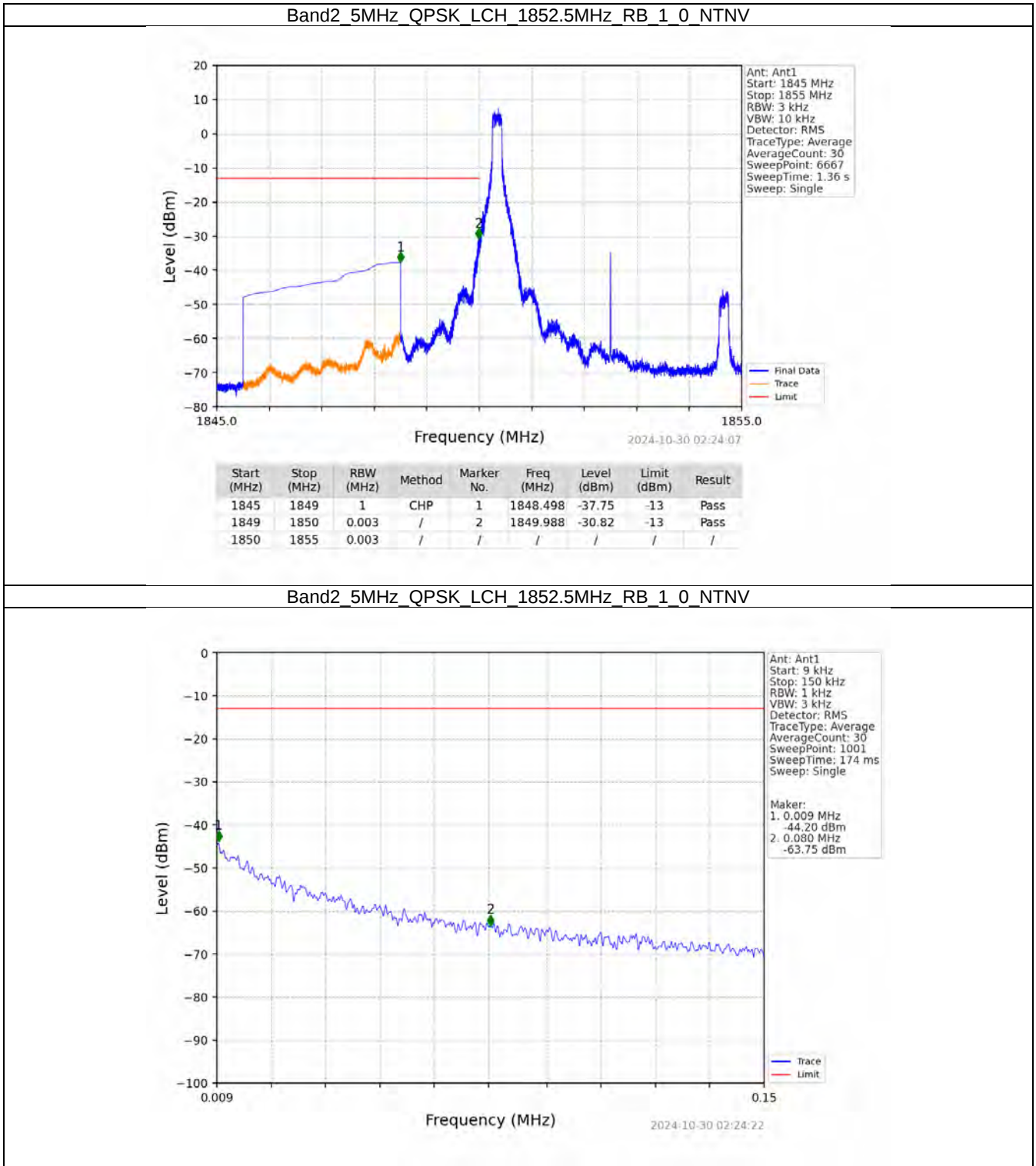
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.002	-27.87	-13	Pass
1911	1913	1	CHP	2	1911.500	-38.79	-13	Pass

Band2 3MHz 16QAM HCH 1908.5MHz RB 15 0 NTNV

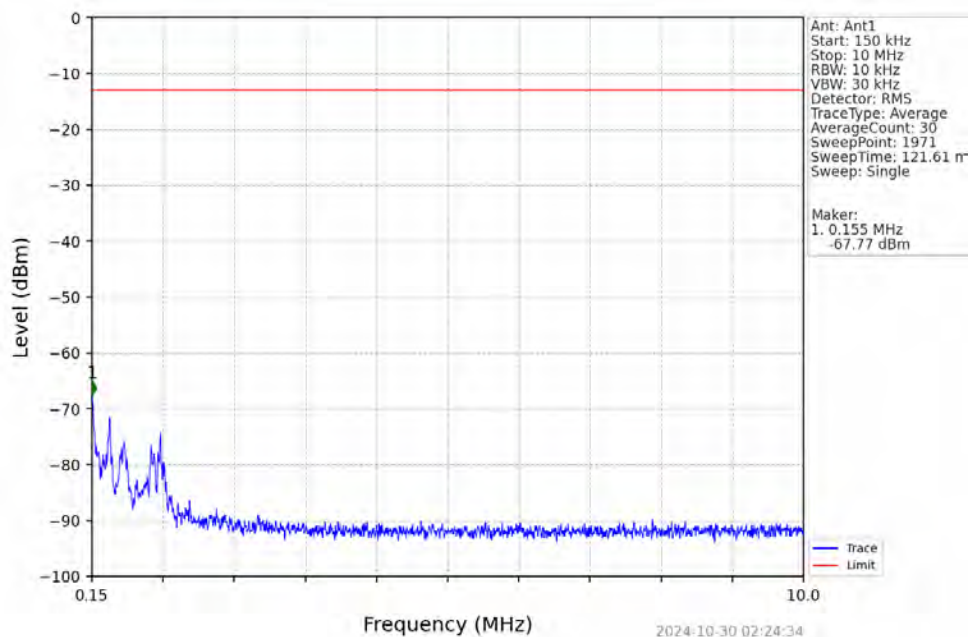


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.03	/	/	/	/	/	/
1910	1911	0.03	/	1	1910.006	-32.45	-13	Pass
1911	1913	1	CHP	2	1911.500	-26.39	-13	Pass

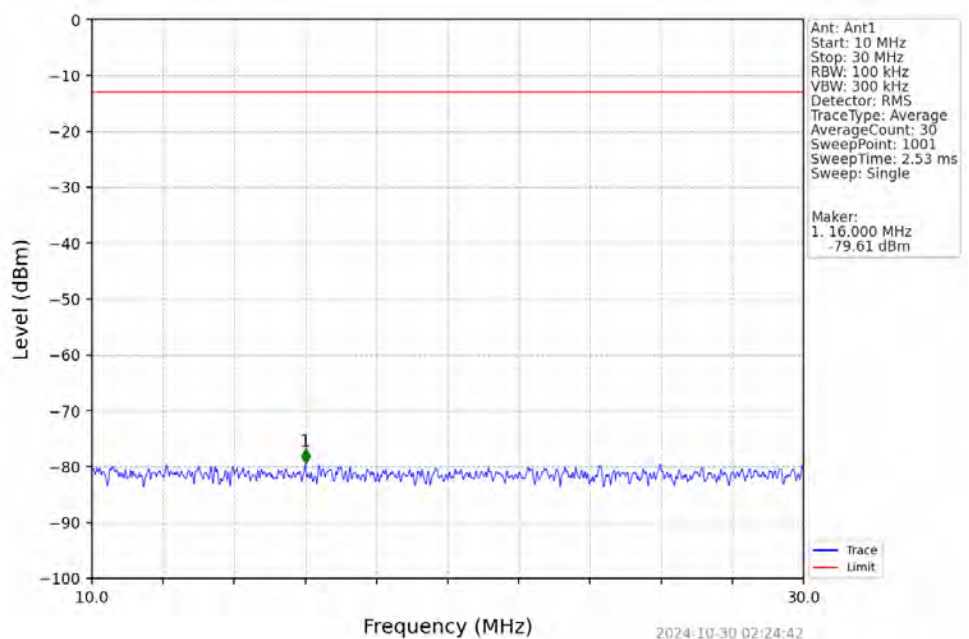
6.2.3 B2_5MHz



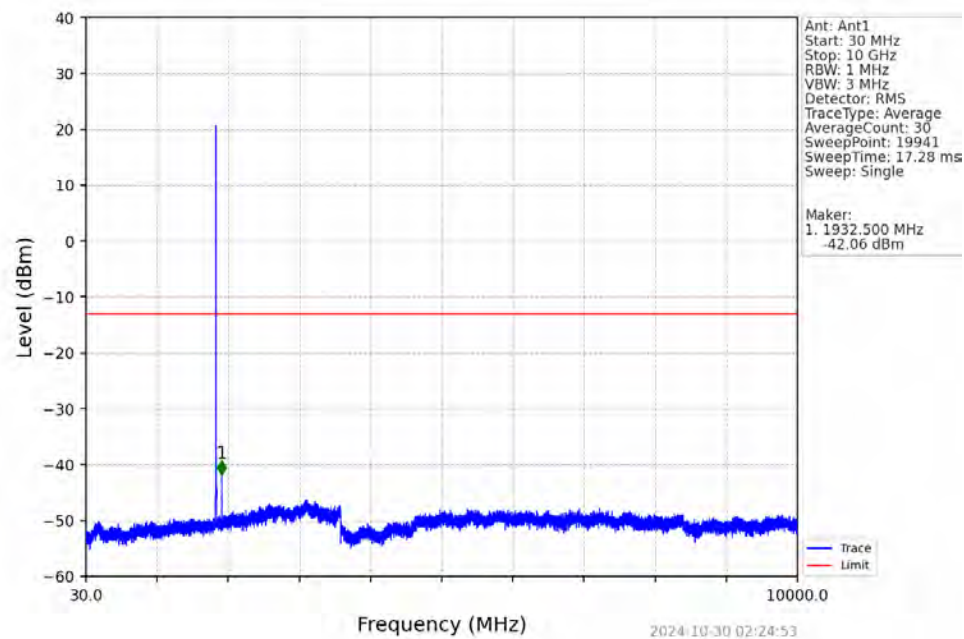
Band2 5MHz QPSK LCH 1852.5MHz RB 1 0 NTN



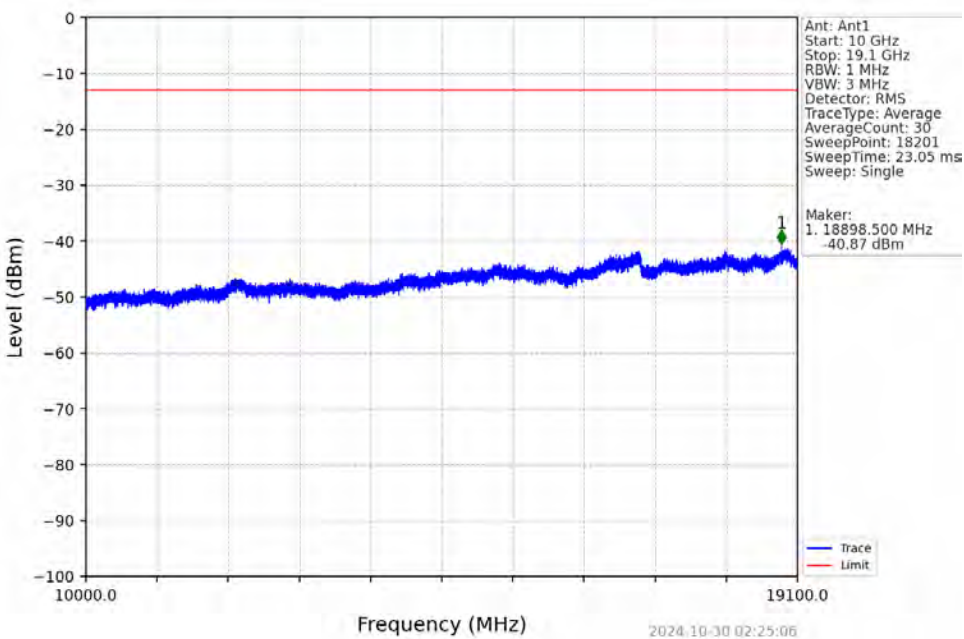
Band2 5MHz QPSK LCH 1852.5MHz RB 1 0 NTN



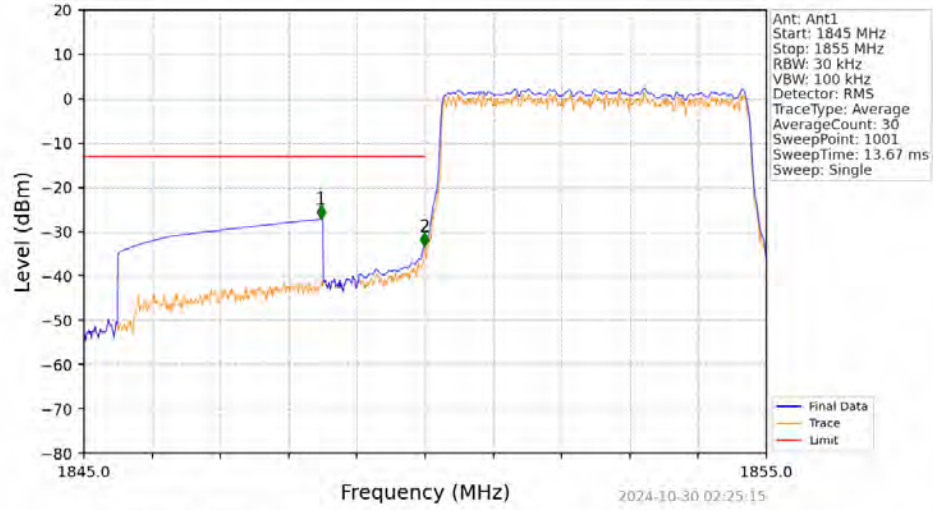
Band2 5MHz QPSK LCH 1852.5MHz RB 1 0 NTN



Band2 5MHz QPSK LCH 1852.5MHz RB 1 0 NTN

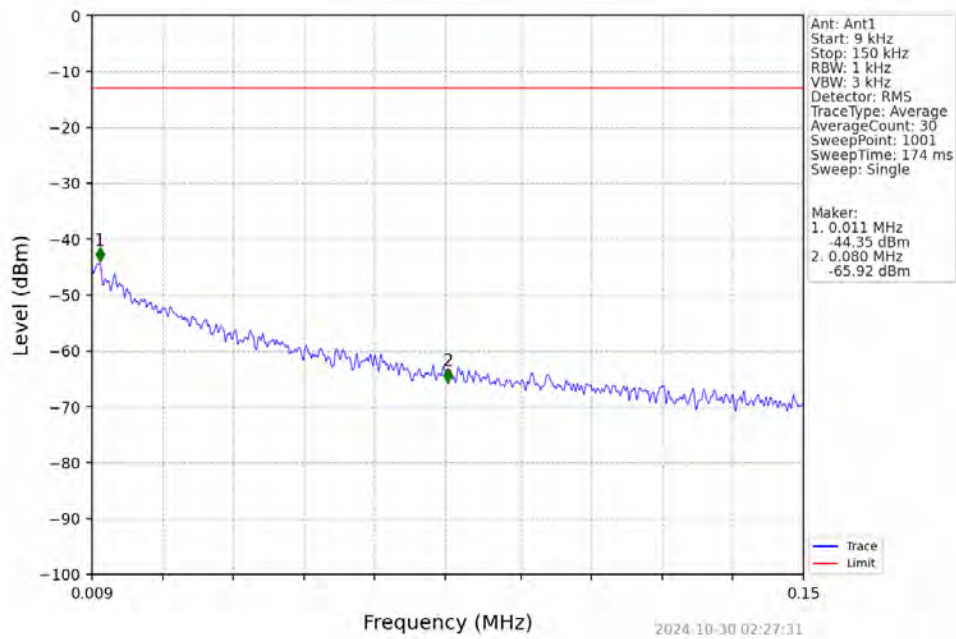


Band2 5MHz QPSK LCH 1852.5MHz RB 25 0 NTNV

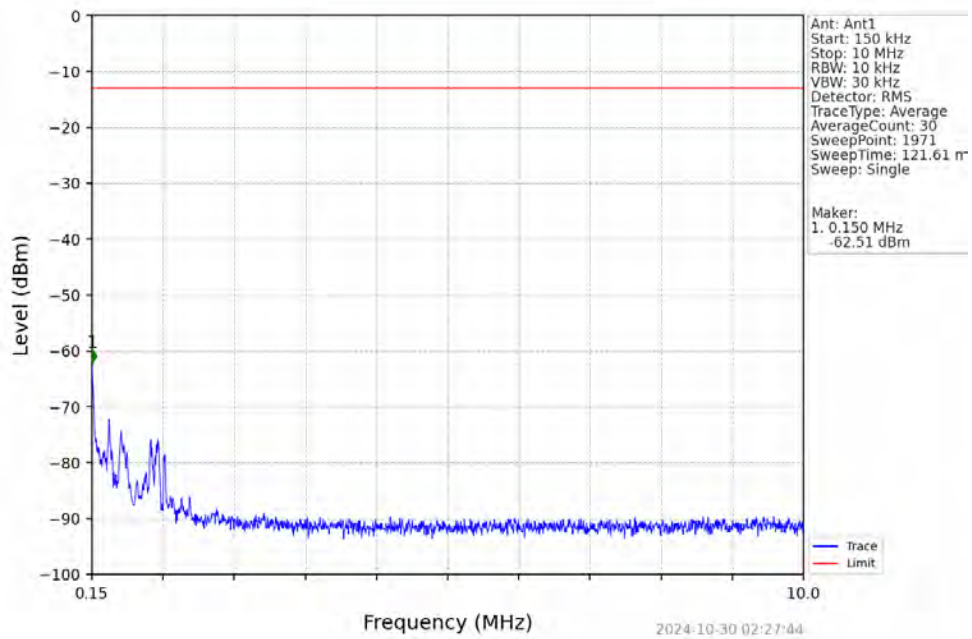


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.470	-27.15	-13	Pass
1849	1850	0.05	CHP	2	1849.990	-33.27	-13	Pass
1850	1855	0.05	CHP	/	/	/	/	/

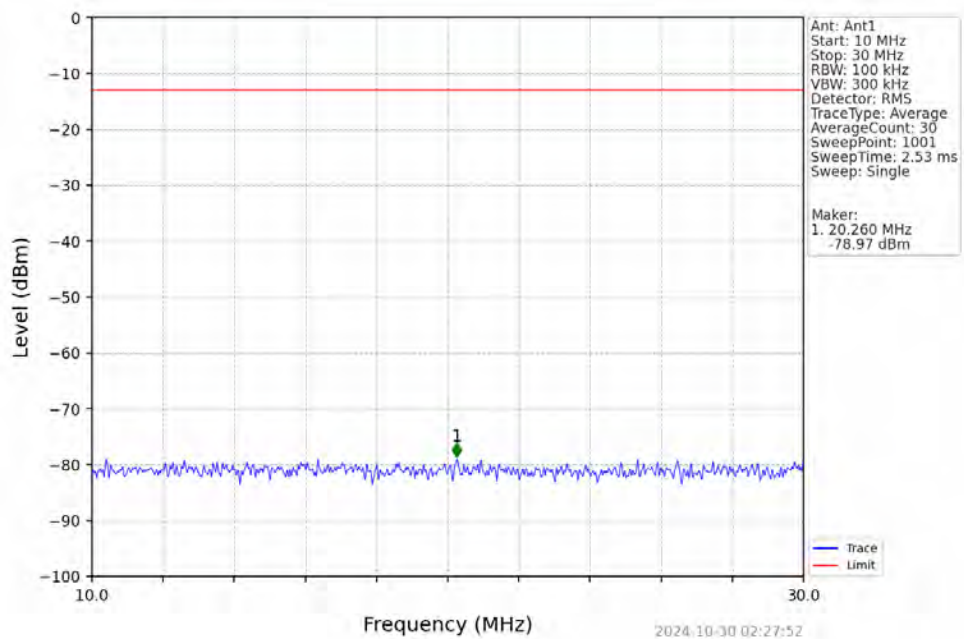
Band2 5MHz QPSK MCH 1880MHz RB 1 0 NTNV



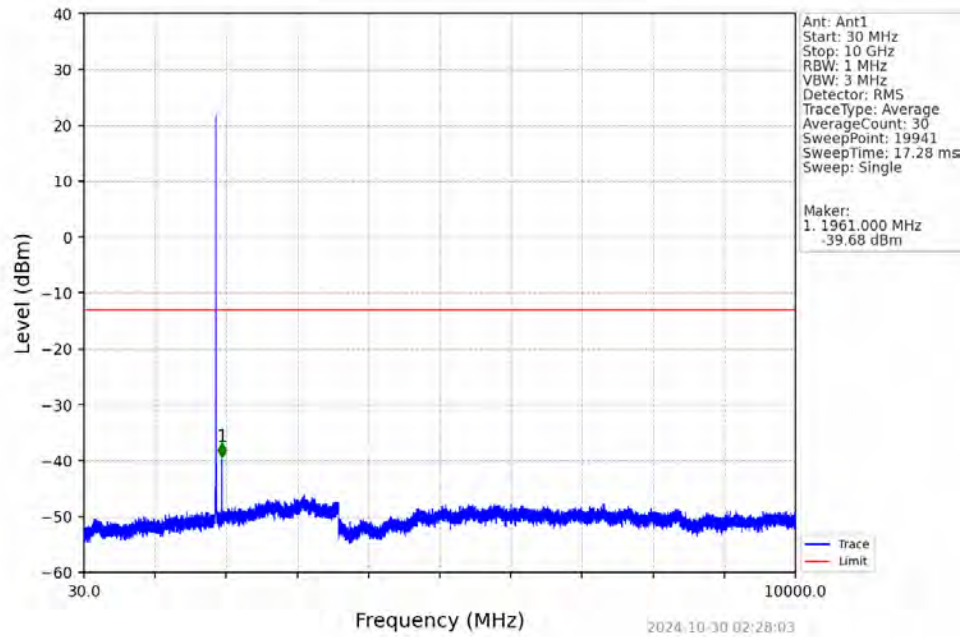
Band2 5MHz QPSK MCH 1880MHz RB 1 0 NTNV



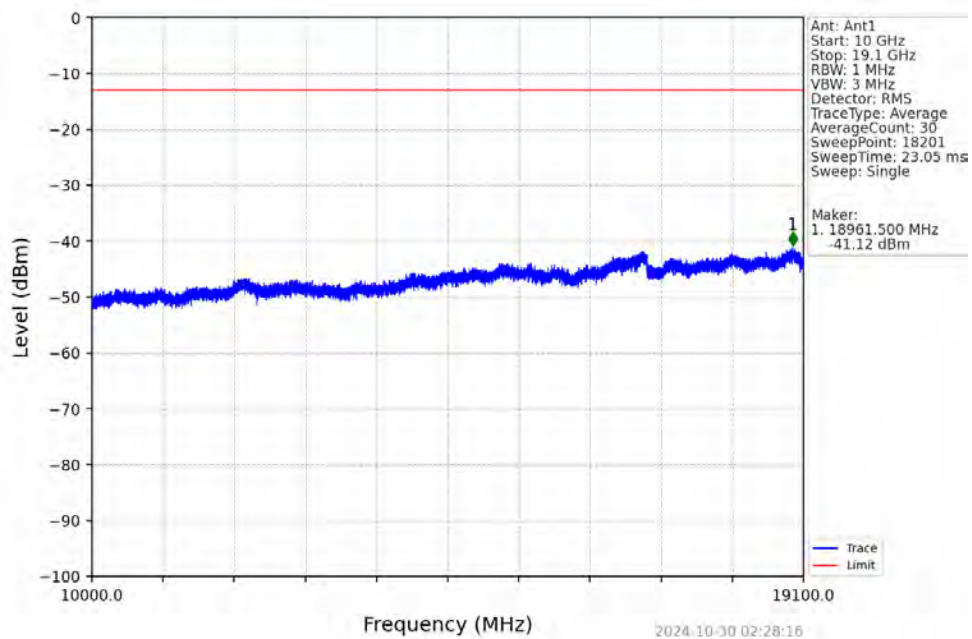
Band2 5MHz QPSK MCH 1880MHz RB 1 0 NTNV



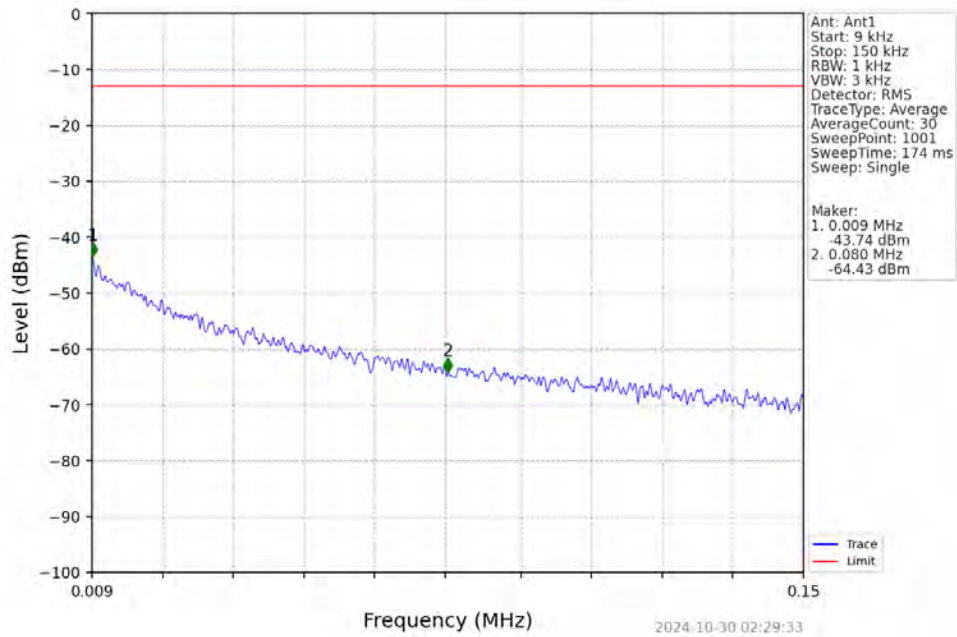
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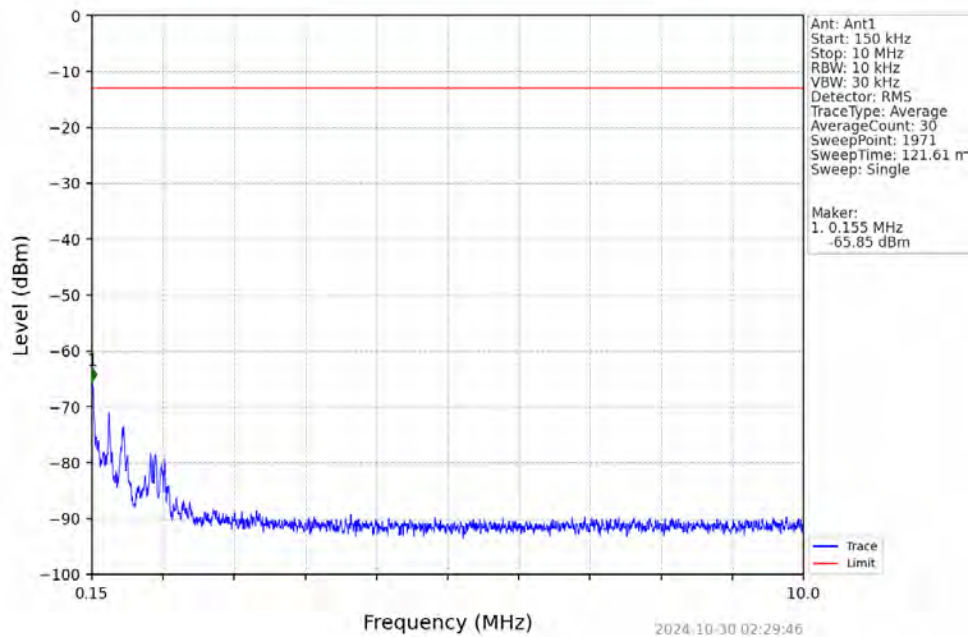
Band2 5MHz QPSK MCH 1880MHz RB 1 0 NTN



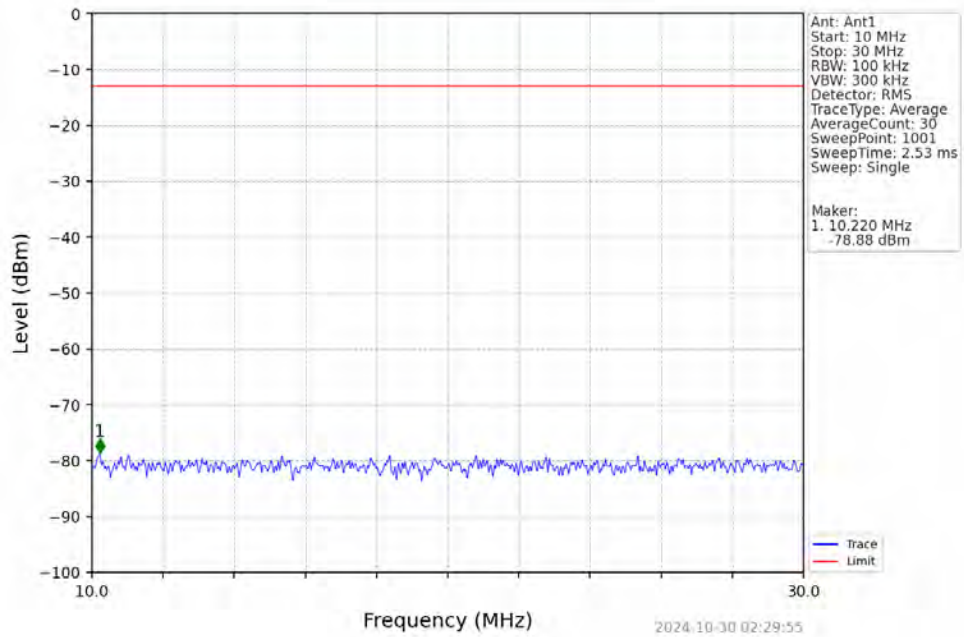
Band2 5MHz QPSK HCH 1907.5MHz RB 1 0 NTN



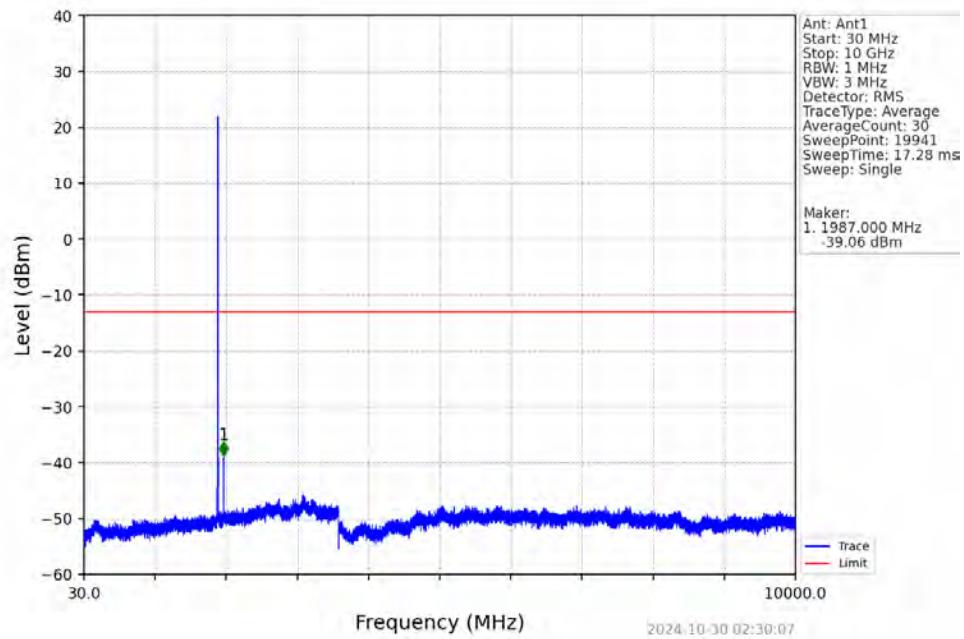
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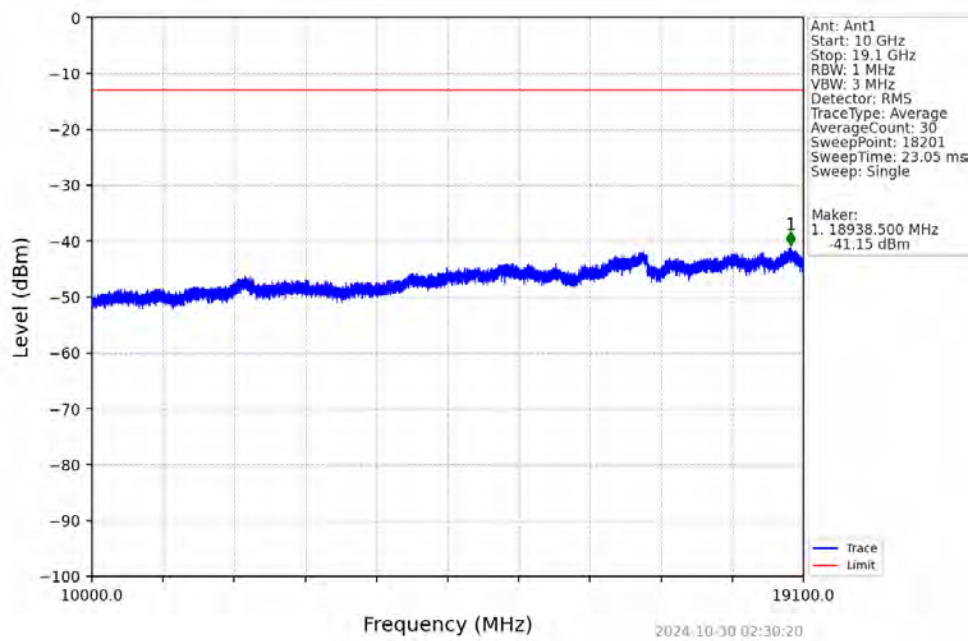
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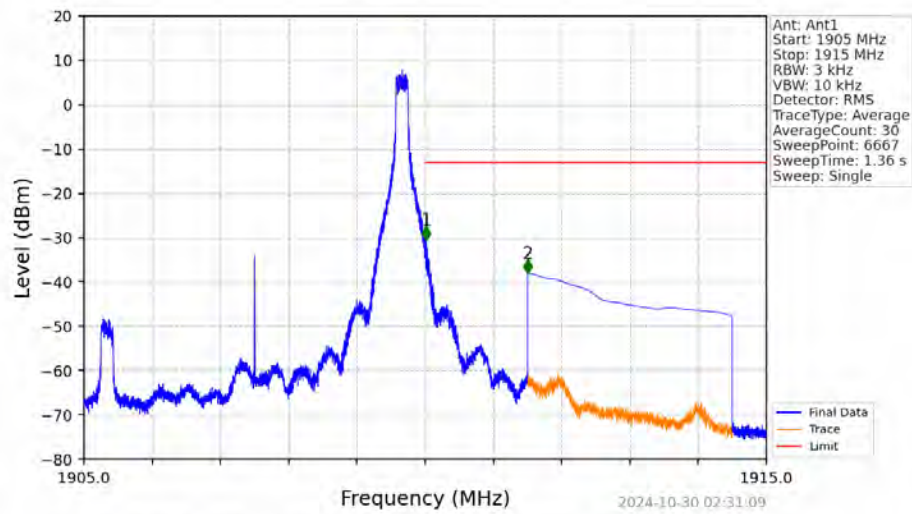
Band2 5MHz QPSK HCH 1907.5MHz RB 1 0 NTN



Band2 5MHz QPSK HCH 1907.5MHz RB 1 0 NTN

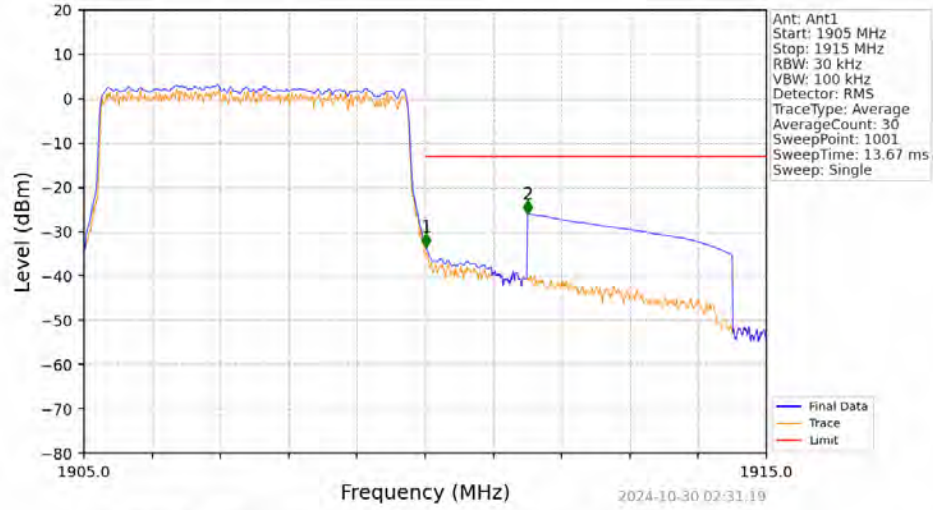


Band2 5MHz QPSK HCH 1907.5MHz RB 1 24 NTN



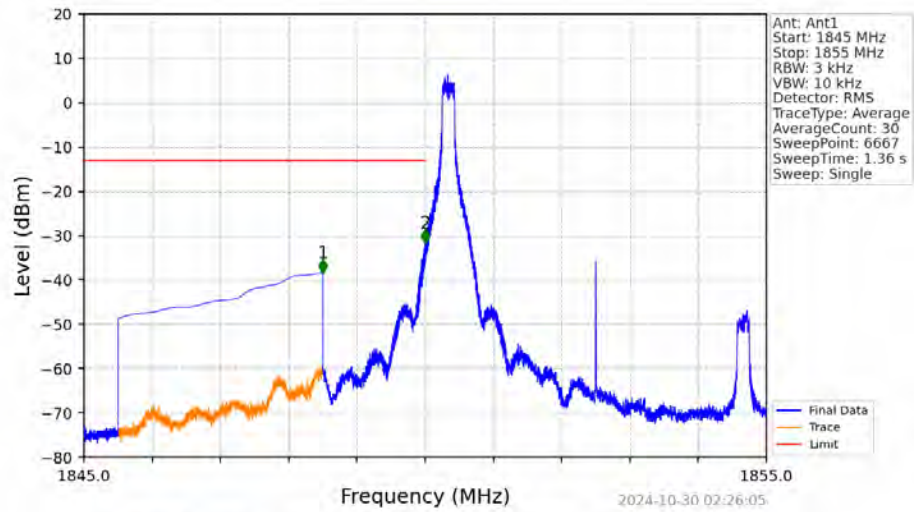
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.014	-30.56	-13	Pass
1911	1915	1	CHP	2	1911.500	-38.11	-13	Pass

Band2 5MHz QPSK HCH 1907.5MHz RB 25 0 NTV



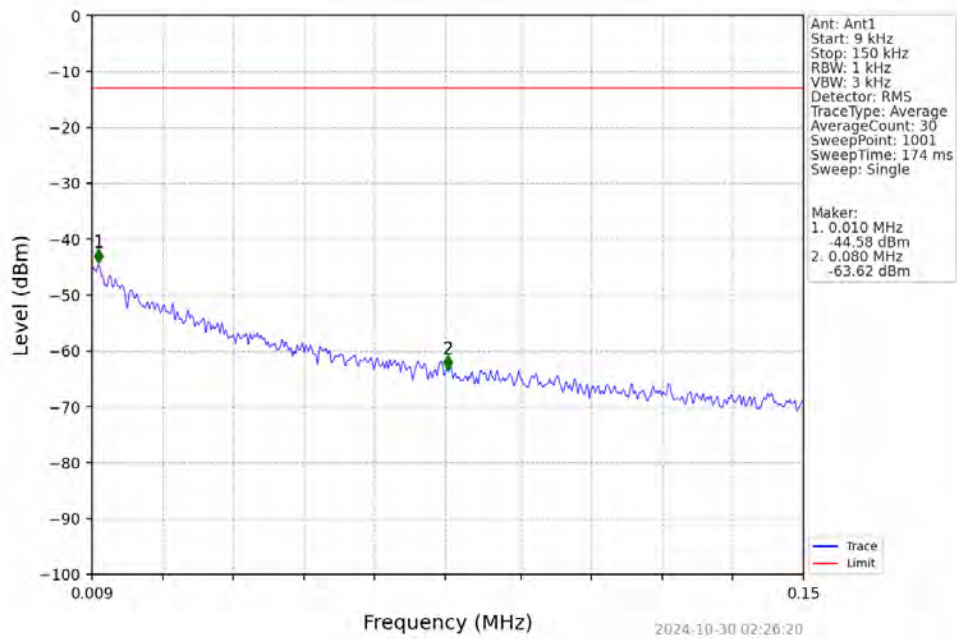
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1910	0.05	CHP	/	/	/	/	/
1910	1911	0.05	CHP	1	1910.010	-33.52	-13	Pass
1911	1915	1	CHP	2	1911.500	-25.98	-13	Pass

Band2 5MHz 16QAM LCH 1852.5MHz RB 1 0 NTV

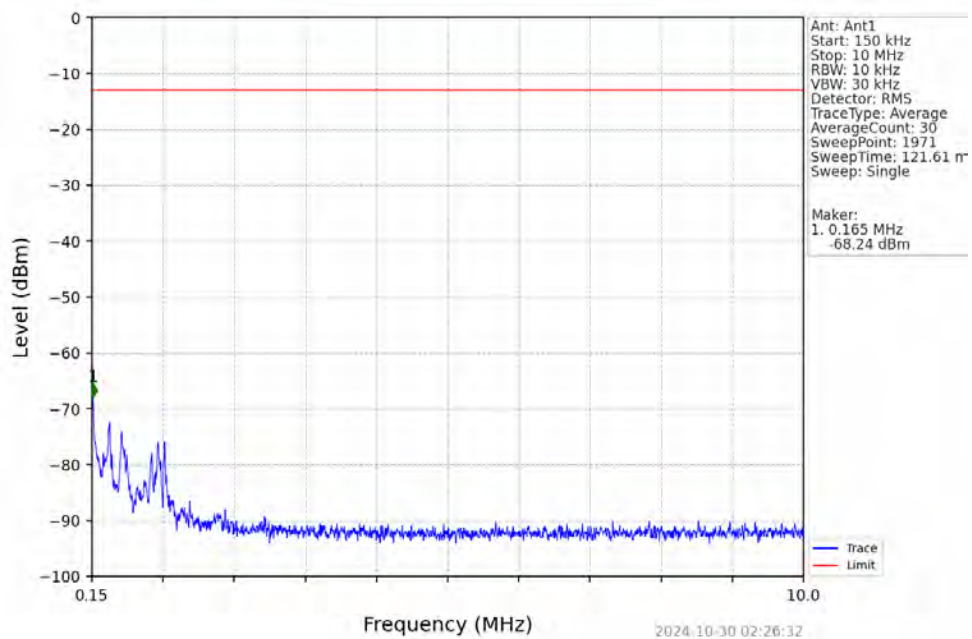


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-38.35	-13	Pass
1849	1850	0.003	/	2	1849.998	-31.62	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

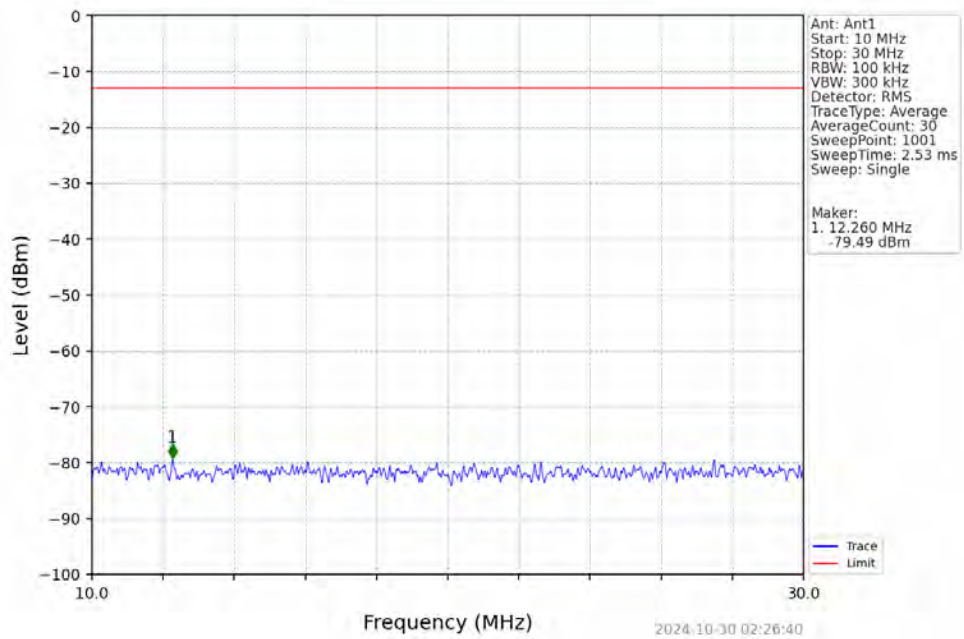
Band2 5MHz 16QAM LCH 1852.5MHz RB 1 0 NTNV



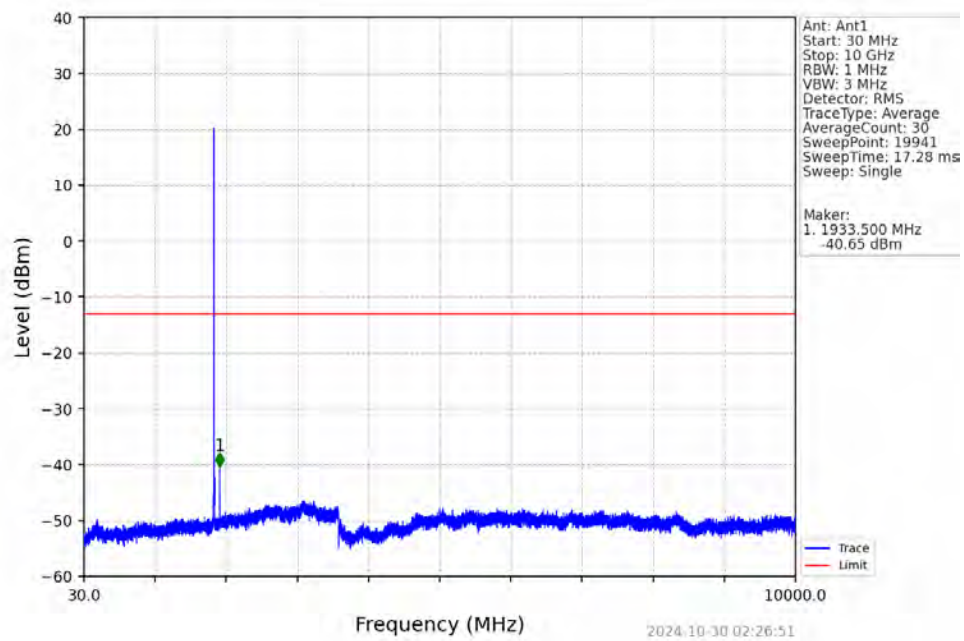
Band2 5MHz 16QAM LCH 1852.5MHz RB 1 0 NTNV



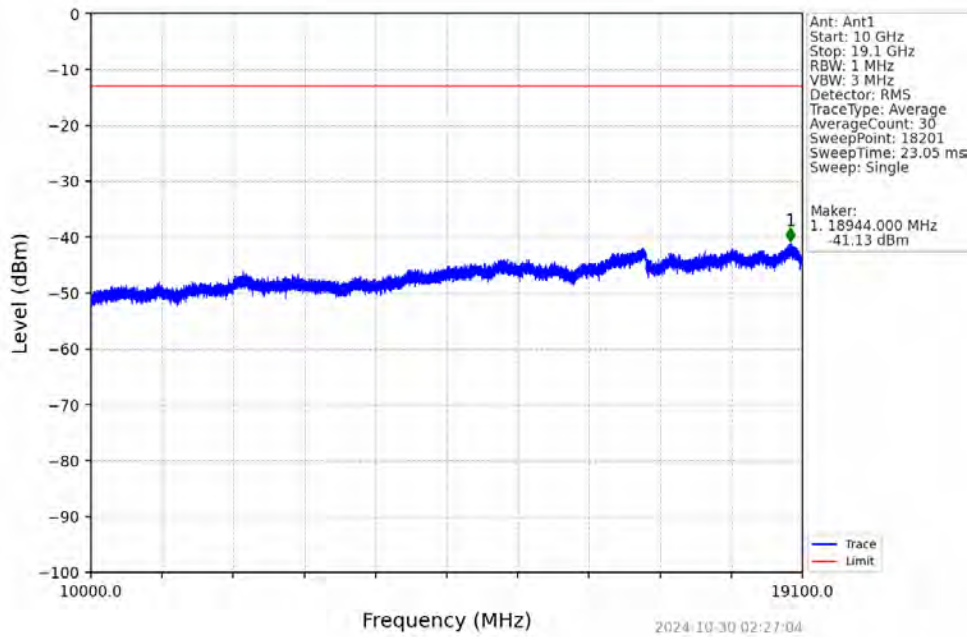
Band2 5MHz 16QAM LCH 1852.5MHz RB 1 0 NTNV



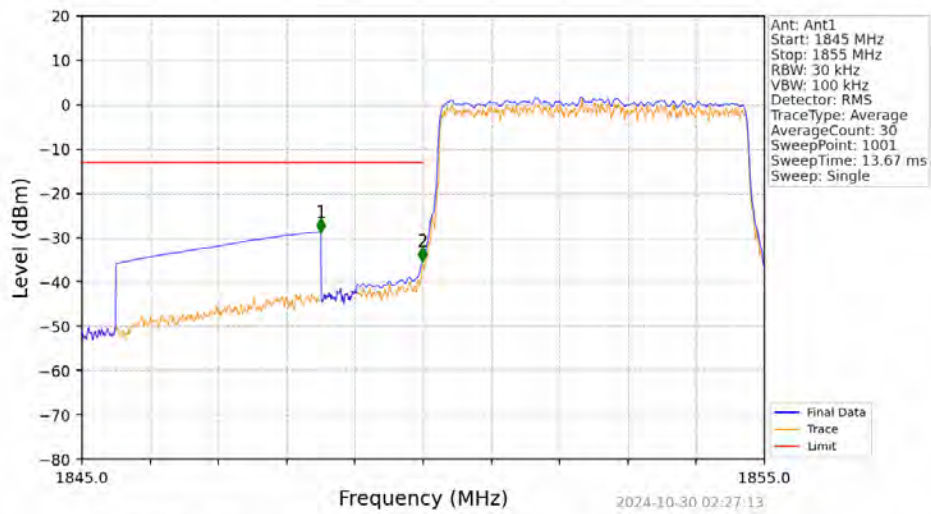
Band2 5MHz 16QAM LCH 1852.5MHz RB 1 0 NTNV



Band2 5MHz 16QAM LCH 1852.5MHz RB 1 0 NTNV

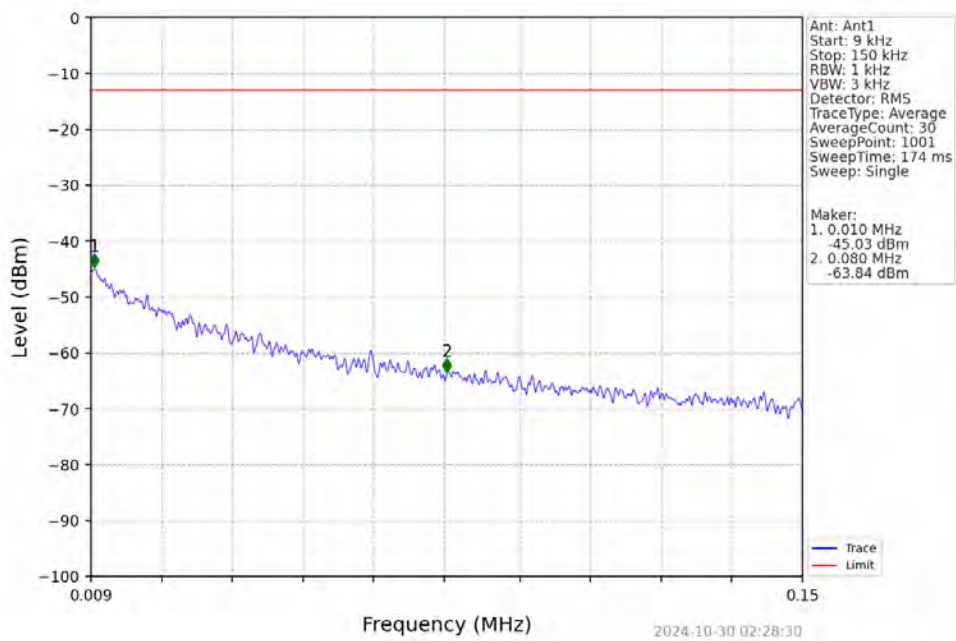


Band2 5MHz 16QAM LCH 1852.5MHz RB 25 0 NTNV

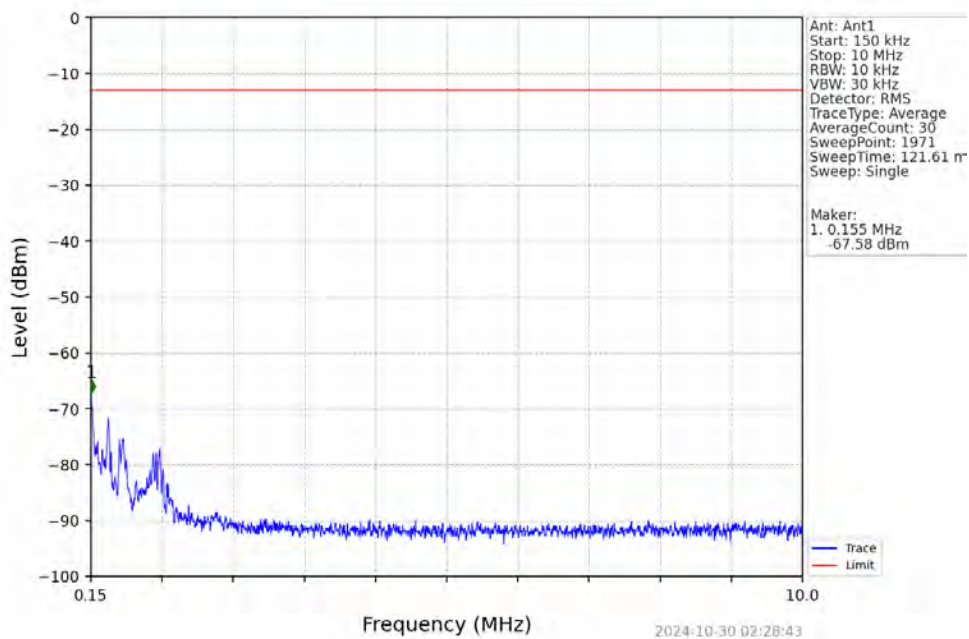


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-28.68	-13	Pass
1849	1850	0.05	CHP	2	1849.990	-35.32	-13	Pass
1850	1855	0.05	CHP	/	/	/	/	/

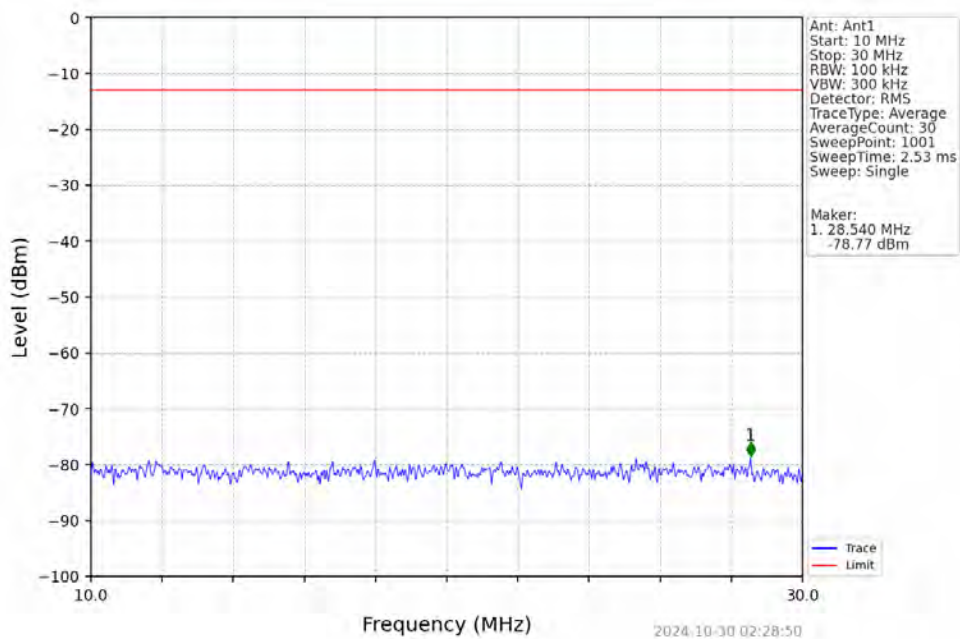
Band2 5MHz 16QAM MCH 1880MHz RB 1 0 NTNV



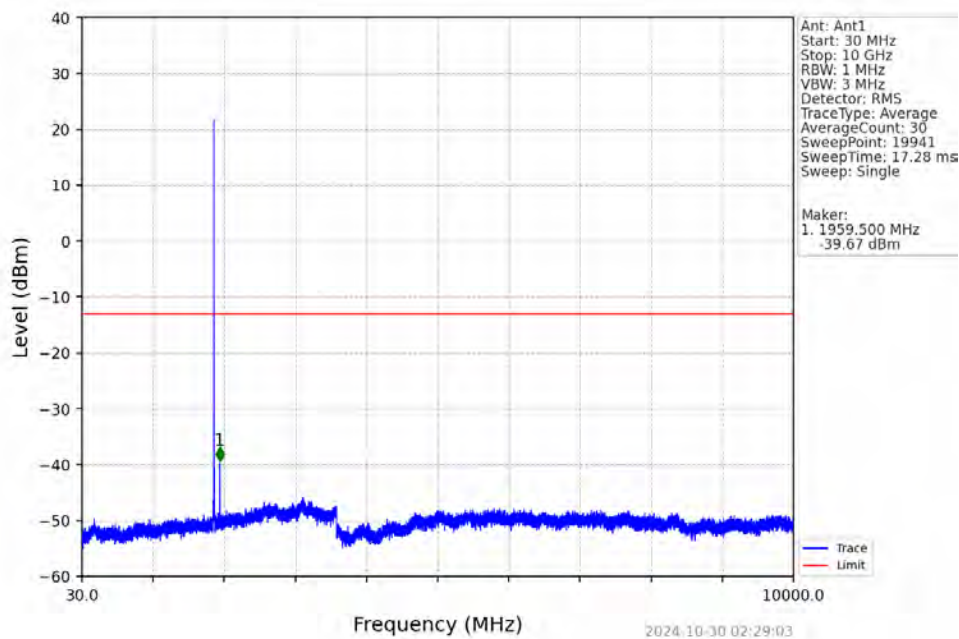
Band2 5MHz 16QAM MCH 1880MHz RB 1 0 NTNV



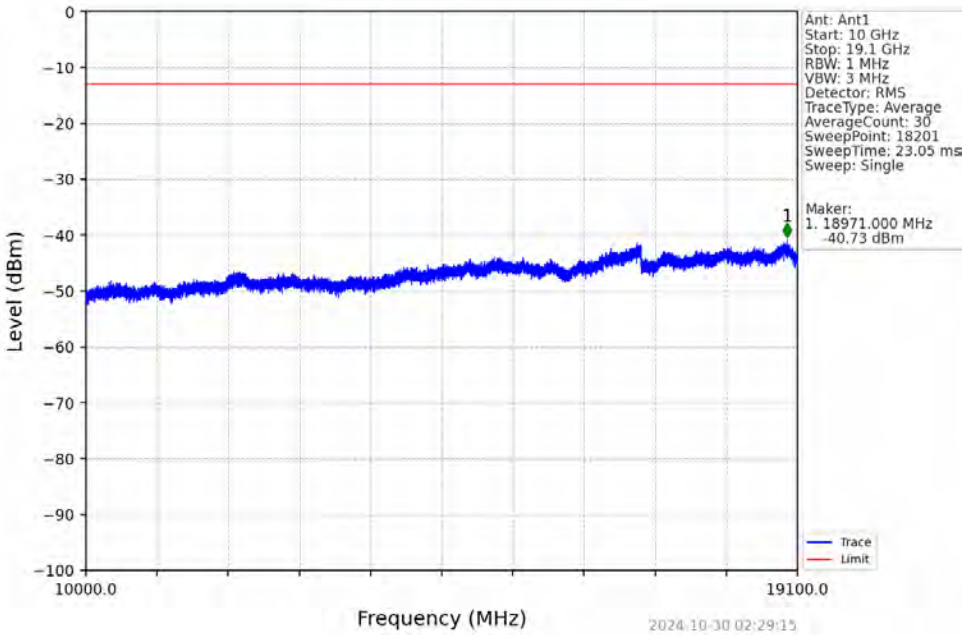
Band2 5MHz 16QAM MCH 1880MHz RB 1 0 NTN



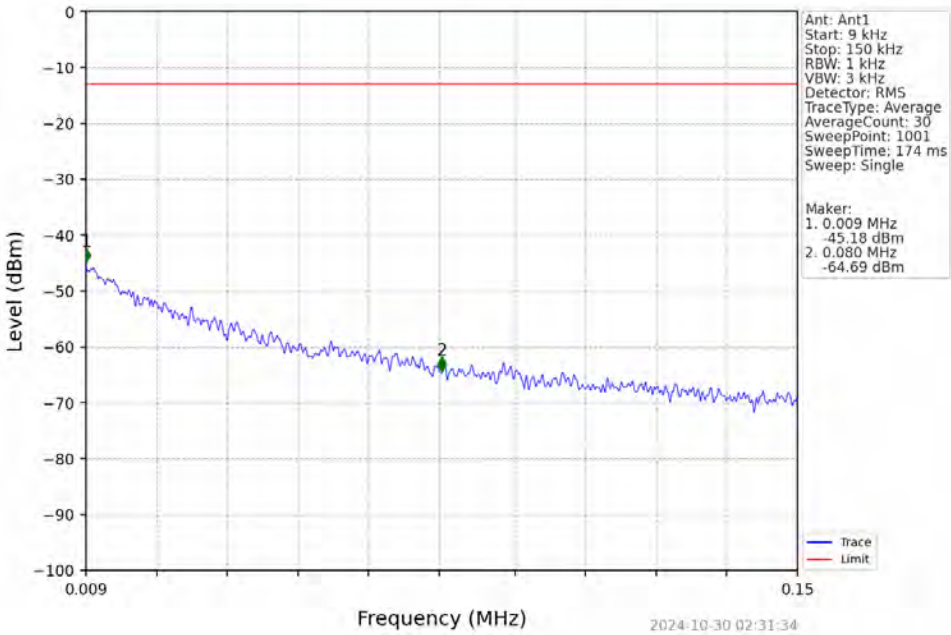
Band2 5MHz 16QAM MCH 1880MHz RB 1 0 NTN



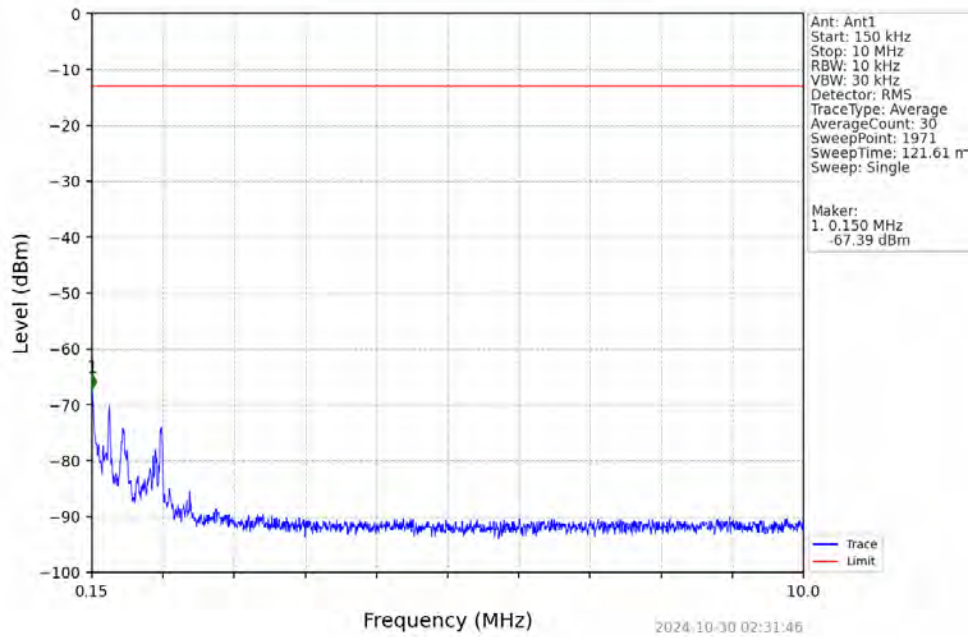
Band2 5MHz 16QAM MCH 1880MHz RB 1 0 NTN



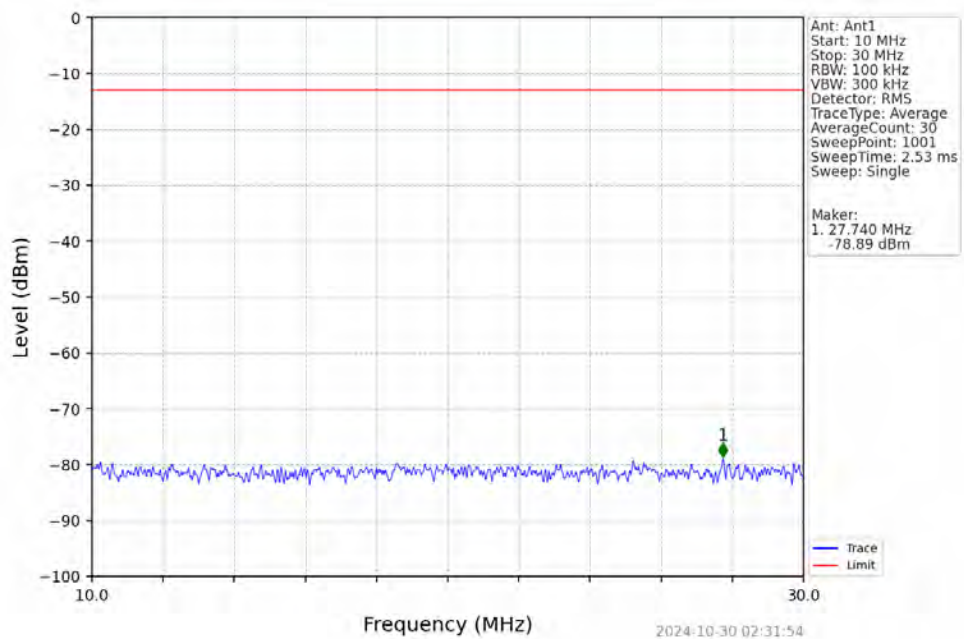
Band2 5MHz 16QAM HCH 1907.5MHz RB 1 0 NTN



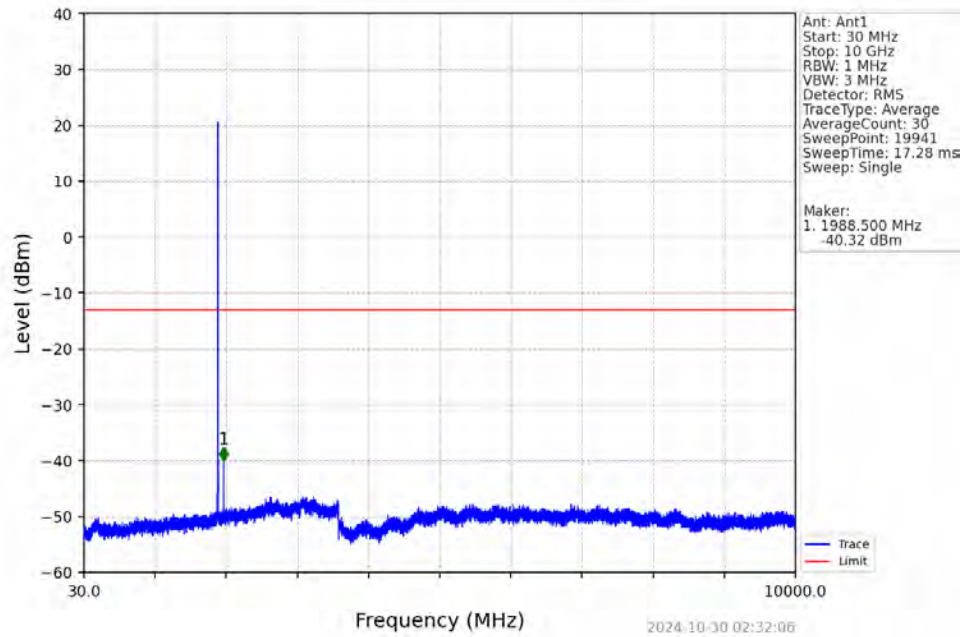
Band2 5MHz 16QAM HCH 1907.5MHz RB 1 0 NTNV



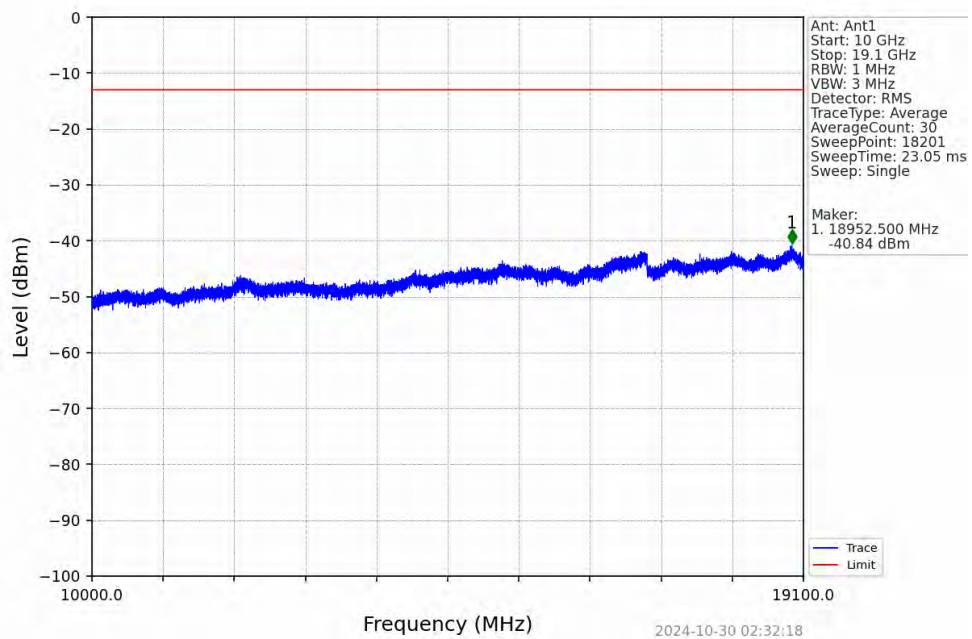
Band2 5MHz 16QAM HCH 1907.5MHz RB 1 0 NTNV



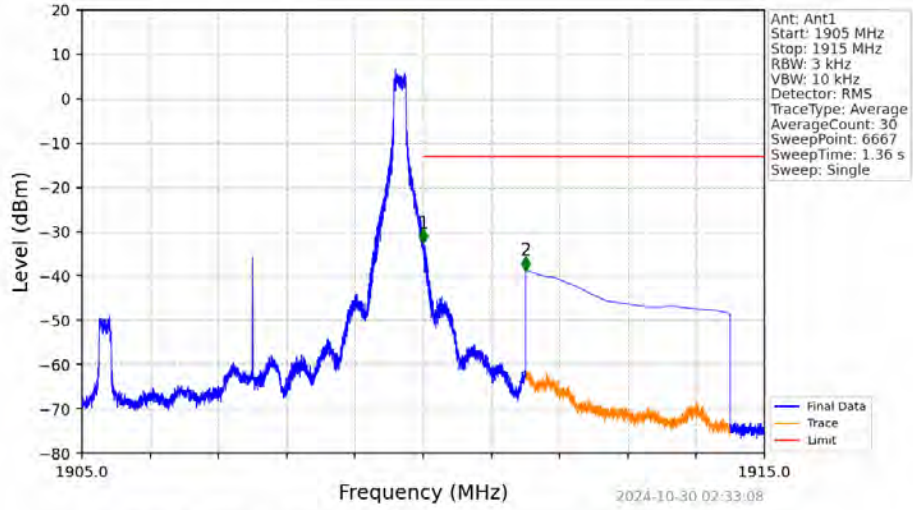
Band2 5MHz 16QAM HCH 1907.5MHz RB 1 0 NTV



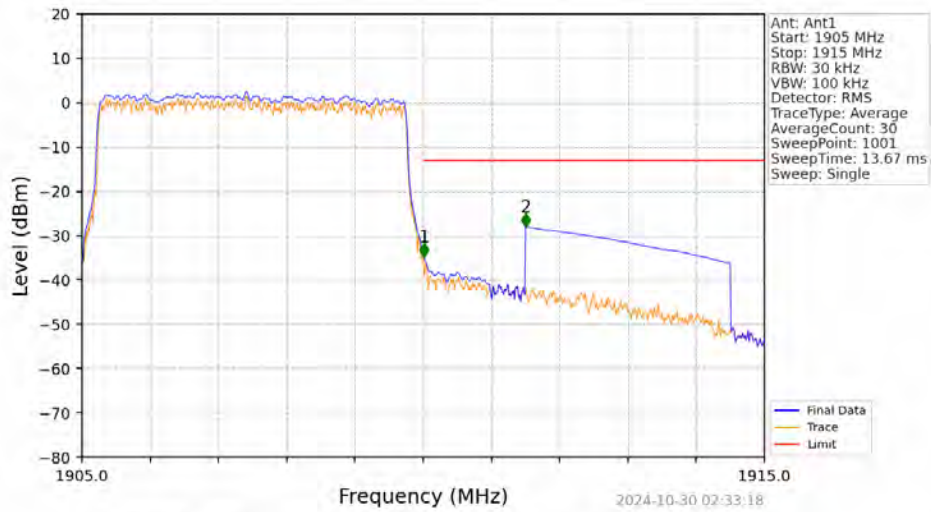
Band2 5MHz 16QAM HCH 1907.5MHz RB 1 0 NTV



Band2 5MHz 16QAM HCH 1907.5MHz RB 1 24 NTNV



Band2 5MHz 16QAM HCH 1907.5MHz RB 25 0 NTNV



6.2.4 B2_10MHz

