

1. Conducted Output Power Data

1.1 B4_1.4MHz_Power

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1710.7	1	0	22.86	<=30	Pass
			2	22.99	<=30	Pass
			5	22.90	<=30	Pass
		3	0	22.95	<=30	Pass
			2	22.99	<=30	Pass
			3	22.91	<=30	Pass
		6	0	22.00	<=30	Pass
	1732.5	1	0	22.47	<=30	Pass
			2	22.60	<=30	Pass
			5	22.48	<=30	Pass
		3	0	22.44	<=30	Pass
			2	22.49	<=30	Pass
			3	22.46	<=30	Pass
		6	0	21.55	<=30	Pass
	1754.3	1	0	22.50	<=30	Pass
			2	22.55	<=30	Pass
			5	22.45	<=30	Pass
		3	0	22.55	<=30	Pass
			2	22.56	<=30	Pass
			3	22.52	<=30	Pass
		6	0	21.61	<=30	Pass
16QAM	1710.7	1	0	21.87	<=30	Pass
			2	21.95	<=30	Pass
			5	21.55	<=30	Pass
		3	0	21.57	<=30	Pass
			2	21.62	<=30	Pass
			3	21.58	<=30	Pass
		6	0	20.47	<=30	Pass
	1732.5	1	0	21.43	<=30	Pass
			2	21.53	<=30	Pass
			5	21.47	<=30	Pass
		3	0	21.51	<=30	Pass
			2	21.55	<=30	Pass
			3	21.50	<=30	Pass
		6	0	20.41	<=30	Pass
	1754.3	1	0	21.62	<=30	Pass
			2	21.73	<=30	Pass
			5	21.62	<=30	Pass
		3	0	21.48	<=30	Pass
			2	21.54	<=30	Pass
			3	21.52	<=30	Pass
		6	0	20.54	<=30	Pass

1.2 B4_3MHz_Power

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1711.5	1	0	22.57	<=30	Pass
			7	22.69	<=30	Pass
			14	22.58	<=30	Pass
		8	0	21.52	<=30	Pass
			4	21.55	<=30	Pass
			7	21.53	<=30	Pass
		15	0	21.50	<=30	Pass
	1732.5	1	0	22.56	<=30	Pass
			7	22.67	<=30	Pass
			14	22.50	<=30	Pass
		8	0	21.61	<=30	Pass
			4	21.61	<=30	Pass
			7	21.57	<=30	Pass
		15	0	21.58	<=30	Pass
	1753.5	1	0	22.57	<=30	Pass
			7	22.67	<=30	Pass
			14	22.53	<=30	Pass
		8	0	21.60	<=30	Pass
			4	21.60	<=30	Pass
			7	21.57	<=30	Pass
		15	0	21.54	<=30	Pass
16QAM	1711.5	1	0	21.53	<=30	Pass
			7	21.66	<=30	Pass
			14	21.51	<=30	Pass
		8	0	20.57	<=30	Pass
			4	20.61	<=30	Pass
			7	20.58	<=30	Pass
		15	0	20.53	<=30	Pass
	1732.5	1	0	21.70	<=30	Pass
			7	21.79	<=30	Pass
			14	21.72	<=30	Pass
		8	0	20.51	<=30	Pass
			4	20.52	<=30	Pass
			7	20.52	<=30	Pass
		15	0	20.45	<=30	Pass
	1753.5	1	0	22.03	<=30	Pass
			7	22.16	<=30	Pass
			14	22.01	<=30	Pass
		8	0	20.67	<=30	Pass
			4	20.68	<=30	Pass
			7	20.67	<=30	Pass
		15	0	20.56	<=30	Pass

1.3 B4_5MHz_Power

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1712.5	1	0	22.46	<=30	Pass
			13	22.62	<=30	Pass
			24	22.51	<=30	Pass
		12	0	21.52	<=30	Pass
			6	21.58	<=30	Pass
			13	21.50	<=30	Pass
		25	0	21.52	<=30	Pass
			0	22.49	<=30	Pass
			13	22.57	<=30	Pass
	1732.5	1	24	22.50	<=30	Pass
			0	21.54	<=30	Pass
			6	21.58	<=30	Pass
		12	13	21.47	<=30	Pass
			0	21.60	<=30	Pass
			0	22.48	<=30	Pass
		1	13	22.55	<=30	Pass
			24	22.46	<=30	Pass
			0	21.58	<=30	Pass
16QAM	1712.5	12	6	21.57	<=30	Pass
			13	21.47	<=30	Pass
			0	21.52	<=30	Pass
		25	0	21.54	<=30	Pass
			13	21.64	<=30	Pass
			24	21.55	<=30	Pass
		1	0	20.52	<=30	Pass
			6	20.57	<=30	Pass
			13	20.49	<=30	Pass
	1732.5	25	0	20.52	<=30	Pass
			0	21.72	<=30	Pass
			13	21.78	<=30	Pass
		1	24	21.72	<=30	Pass
			0	20.51	<=30	Pass
			6	20.58	<=30	Pass
		12	13	20.50	<=30	Pass
			0	20.46	<=30	Pass
			0	21.33	<=30	Pass
	1752.5	1	13	21.41	<=30	Pass
			24	21.33	<=30	Pass
			0	20.52	<=30	Pass
		12	6	20.54	<=30	Pass
			13	20.47	<=30	Pass
			0	20.51	<=30	Pass
		25	0	20.51	<=30	Pass

1.4 B4_10MHz_Power

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1715	1	0	22.59	<=30	Pass
			25	22.79	<=30	Pass
			49	22.62	<=30	Pass
		25	0	21.61	<=30	Pass
			13	21.60	<=30	Pass
			25	21.67	<=30	Pass
		50	0	21.62	<=30	Pass
	1732.5	1	0	22.61	<=30	Pass
			25	22.71	<=30	Pass
			49	22.58	<=30	Pass
		25	0	21.61	<=30	Pass
			13	21.64	<=30	Pass
			25	21.63	<=30	Pass
		50	0	21.61	<=30	Pass
	1750	1	0	22.61	<=30	Pass
			25	22.69	<=30	Pass
			49	22.51	<=30	Pass
		25	0	21.69	<=30	Pass
			13	21.61	<=30	Pass
			25	21.52	<=30	Pass
		50	0	21.59	<=30	Pass
16QAM	1715	1	0	21.54	<=30	Pass
			25	21.65	<=30	Pass
			49	21.59	<=30	Pass
		25	0	20.65	<=30	Pass
			13	20.66	<=30	Pass
			25	20.67	<=30	Pass
		50	0	20.59	<=30	Pass
	1732.5	1	0	21.75	<=30	Pass
			25	21.83	<=30	Pass
			49	21.72	<=30	Pass
		25	0	20.55	<=30	Pass
			13	20.58	<=30	Pass
			25	20.58	<=30	Pass
		50	0	20.56	<=30	Pass
	1750	1	0	22.06	<=30	Pass
			25	22.12	<=30	Pass
			49	21.95	<=30	Pass
		25	0	20.68	<=30	Pass
			13	20.61	<=30	Pass
			25	20.50	<=30	Pass
		50	0	20.57	<=30	Pass

1.5 B4_15MHz_Power

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1717.5	1	0	22.51	<=30	Pass
			38	22.59	<=30	Pass
			74	22.47	<=30	Pass
		36	0	21.62	<=30	Pass
			18	21.66	<=30	Pass
			39	21.72	<=30	Pass
		75	0	21.71	<=30	Pass
	1732.5	1	0	22.53	<=30	Pass
			38	22.56	<=30	Pass
			74	22.49	<=30	Pass
		36	0	21.70	<=30	Pass
			18	21.68	<=30	Pass
			39	21.65	<=30	Pass
		75	0	21.68	<=30	Pass
	1747.5	1	0	22.53	<=30	Pass
			38	22.58	<=30	Pass
			74	22.41	<=30	Pass
		36	0	21.82	<=30	Pass
			18	21.70	<=30	Pass
			39	21.57	<=30	Pass
		75	0	21.70	<=30	Pass
16QAM	1717.5	1	0	21.77	<=30	Pass
			38	21.86	<=30	Pass
			74	21.75	<=30	Pass
		36	0	20.59	<=30	Pass
			18	20.56	<=30	Pass
			39	20.61	<=30	Pass
		75	0	20.60	<=30	Pass
	1732.5	1	0	21.66	<=30	Pass
			38	21.69	<=30	Pass
			74	21.64	<=30	Pass
		36	0	20.57	<=30	Pass
			18	20.62	<=30	Pass
			39	20.58	<=30	Pass
		75	0	20.61	<=30	Pass
	1747.5	1	0	22.01	<=30	Pass
			38	22.01	<=30	Pass
			74	21.88	<=30	Pass
		36	0	20.75	<=30	Pass
			18	20.66	<=30	Pass
			39	20.52	<=30	Pass
		75	0	20.63	<=30	Pass

1.6 B4_20MHz_Power

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit	Verdict
		Size	Offset			
QPSK	1720	1	0	22.36	<=30	Pass
			50	22.73	<=30	Pass
			99	22.31	<=30	Pass
		50	0	21.50	<=30	Pass
			25	21.61	<=30	Pass
			50	21.59	<=30	Pass
		100	0	21.60	<=30	Pass
	1732.5	1	0	22.45	<=30	Pass
			50	22.72	<=30	Pass
			99	22.33	<=30	Pass
		50	0	21.52	<=30	Pass
			25	21.62	<=30	Pass
			50	21.51	<=30	Pass
		100	0	21.51	<=30	Pass
	1745	1	0	22.43	<=30	Pass
			50	22.74	<=30	Pass
			99	22.28	<=30	Pass
		50	0	21.71	<=30	Pass
			25	21.64	<=30	Pass
			50	21.39	<=30	Pass
		100	0	21.56	<=30	Pass
16QAM	1720	1	0	21.82	<=30	Pass
			50	22.18	<=30	Pass
			99	21.77	<=30	Pass
		50	0	20.46	<=30	Pass
			25	20.48	<=30	Pass
			50	20.52	<=30	Pass
		100	0	20.53	<=30	Pass
	1732.5	1	0	21.59	<=30	Pass
			50	21.86	<=30	Pass
			99	21.50	<=30	Pass
		50	0	20.45	<=30	Pass
			25	20.55	<=30	Pass
			50	20.41	<=30	Pass
		100	0	20.44	<=30	Pass
	1745	1	0	21.63	<=30	Pass
			50	21.98	<=30	Pass
			99	21.53	<=30	Pass
		50	0	20.64	<=30	Pass
			25	20.59	<=30	Pass
			50	20.31	<=30	Pass
		100	0	20.55	<=30	Pass

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-100.336	-0.0587	-2.5 to 2.5	Pass
					3.85	21.701	0.0127	-2.5 to 2.5	Pass
					4.43	-21.601	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-18.268	-0.0107	-2.5 to 2.5	Pass
				-10	3.85	-11.702	-0.0068	-2.5 to 2.5	Pass
				0	3.85	25.234	0.0148	-2.5 to 2.5	Pass
				10	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				30	3.85	-7.296	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-23.518	-0.0137	-2.5 to 2.5	Pass
				50	3.85	1.545	0.0009	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-37.479	-0.0216	-2.5 to 2.5	Pass
					3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
					4.43	-18.010	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-7.324	-0.0042	-2.5 to 2.5	Pass
				30	3.85	2.117	0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-66.519	-0.0379	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-10.843	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-9.599	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-7.424	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-6.394	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-7.267	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-12.932	-0.0076	-2.5 to 2.5	Pass
					3.85	-5.565	-0.0033	-2.5 to 2.5	Pass
					4.43	-16.108	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-12.846	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-10.700	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-11.630	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-0.257	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.376	-0.0020	-2.5 to 2.5	Pass
				30	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				40	3.85	-8.569	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-6.638	-0.0039	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-2.389	-0.0014	-2.5 to 2.5	Pass
					3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.204	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass

				-10	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-10.028	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-8.698	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	41.471	0.0236	-2.5 to 2.5	Pass
					3.85	-10.099	-0.0058	-2.5 to 2.5	Pass
					4.43	-13.204	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-17.409	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-7.496	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-7.997	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-18.110	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-13.103	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-8.898	-0.0051	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-27.466	-0.0160	-2.5 to 2.5	Pass
					3.85	11.201	0.0065	-2.5 to 2.5	Pass
					4.43	9.642	0.0056	-2.5 to 2.5	Pass
				-30	3.85	6.280	0.0037	-2.5 to 2.5	Pass
				-20	3.85	-2.832	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-9.556	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-6.666	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-40.226	-0.0232	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
					4.43	3.862	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	3.490	0.0020	-2.5 to 2.5	Pass
				0	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-9.742	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-8.583	-0.0050	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-60.611	-0.0346	-2.5 to 2.5	Pass
					3.85	0.386	0.0002	-2.5 to 2.5	Pass
					4.43	-3.805	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-5.507	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-6.881	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	4.549	0.0027	-2.5 to 2.5	Pass
					3.85	-6.995	-0.0041	-2.5 to 2.5	Pass
					4.43	-5.507	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-5.565	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-8.869	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-7.210	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-5.965	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-10.972	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-11.859	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-8.655	-0.0051	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-5.722	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.280	-0.0036	-2.5 to 2.5	Pass
					4.43	-6.781	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-7.052	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-9.570	-0.0055	-2.5 to 2.5	Pass

				30	3.85	-9.685	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-8.326	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-8.311	-0.0048	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	1.416	0.0008	-2.5 to 2.5	Pass
					3.85	-14.362	-0.0082	-2.5 to 2.5	Pass
					4.43	-11.816	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-13.833	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-10.815	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-10.700	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-9.842	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-10.271	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-6.738	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-9.313	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-17.738	-0.0101	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-22.931	-0.0134	-2.5 to 2.5	Pass
					3.85	4.191	0.0024	-2.5 to 2.5	Pass
					4.43	-4.678	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-15.335	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-11.702	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
				50	3.85	2.389	0.0014	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-30.169	-0.0174	-2.5 to 2.5	Pass
					3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
					4.43	2.074	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-4.921	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				10	3.85	-9.742	-0.0056	-2.5 to 2.5	Pass
				30	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				40	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-7.653	-0.0044	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-41.170	-0.0235	-2.5 to 2.5	Pass
					3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
					4.43	-5.479	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-7.553	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	2.947	0.0017	-2.5 to 2.5	Pass
				0	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-6.852	-0.0039	-2.5 to 2.5	Pass
				50	3.85	0.901	0.0005	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-0.343	-0.0002	-2.5 to 2.5	Pass
					3.85	-5.808	-0.0034	-2.5 to 2.5	Pass
					4.43	-8.340	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-6.824	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-6.838	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-8.183	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-9.527	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-7.167	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-8.368	-0.0049	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-0.358	-0.0002	-2.5 to 2.5	Pass
					3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
					4.43	-5.550	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-9.742	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-6.537	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass

				30	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	3.662	0.0021	-2.5 to 2.5	Pass
					3.85	-9.313	-0.0053	-2.5 to 2.5	Pass
					4.43	-6.866	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-5.150	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-10.071	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-9.141	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-12.488	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-23.017	-0.0134	-2.5 to 2.5	Pass
					3.85	-5.765	-0.0034	-2.5 to 2.5	Pass
					4.43	-5.980	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-7.553	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-4.721	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-7.095	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-4.563	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-6.323	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-10.729	-0.0063	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-19.312	-0.0111	-2.5 to 2.5	Pass
					3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
					4.43	-7.911	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-15.006	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-6.566	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-25.778	-0.0147	-2.5 to 2.5	Pass
					3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
					4.43	-9.370	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-4.435	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-7.539	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-8.211	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-6.695	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-7.010	-0.0040	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-4.706	-0.0027	-2.5 to 2.5	Pass
					3.85	-11.716	-0.0068	-2.5 to 2.5	Pass
					4.43	-9.398	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-9.298	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-8.340	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-10.514	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-10.800	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-10.214	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-6.795	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-3.133	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
					4.43	-5.622	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass

				30	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-0.844	-0.0005	-2.5 to 2.5	Pass
					3.85	-3.762	-0.0021	-2.5 to 2.5	Pass
					4.43	-5.465	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-9.241	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-7.024	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-5.293	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-10.471	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-6.680	-0.0038	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-20.528	-0.0120	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
					4.43	-4.535	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-7.224	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-4.048	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-8.497	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-3.548	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-5.808	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-11.730	-0.0068	-2.5 to 2.5	Pass
					3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
					4.43	-4.277	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-3.562	-0.0021	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-20.585	-0.0118	-2.5 to 2.5	Pass
					3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.462	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-4.091	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-7.238	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-5.836	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-11.530	-0.0066	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	2.732	0.0016	-2.5 to 2.5	Pass
					3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
					4.43	-6.380	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-8.197	-0.0048	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	0.014	0.0000	-2.5 to 2.5	Pass
					3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
					4.43	-4.635	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass

				30	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
				40	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				50	3.85	0.215	0.0001	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-0.143	-0.0001	-2.5 to 2.5	Pass
					3.85	-7.854	-0.0045	-2.5 to 2.5	Pass
					4.43	-4.277	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-5.422	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-9.370	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-7.167	-0.0041	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-15.078	-0.0088	-2.5 to 2.5	Pass
					3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
					4.43	-3.362	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-6.452	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-3.934	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-6.080	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-7.854	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-6.824	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-5.250	-0.0031	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-15.092	-0.0087	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
					4.43	-4.034	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-12.932	-0.0074	-2.5 to 2.5	Pass
					3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
					4.43	-6.723	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-2.518	-0.0015	-2.5 to 2.5	Pass
					3.85	-8.340	-0.0048	-2.5 to 2.5	Pass
					4.43	-4.148	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-10.743	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-7.911	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-11.487	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-6.881	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-4.649	-0.0027	-2.5 to 2.5	Pass
					3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
					4.43	-3.662	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass

				30	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-0.715	-0.0004	-2.5 to 2.5	Pass
					3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
					4.43	-1.402	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.047	-0.0017	-2.5 to 2.5	Pass
				0	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.831	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-5.980	-0.0034	-2.5 to 2.5	Pass

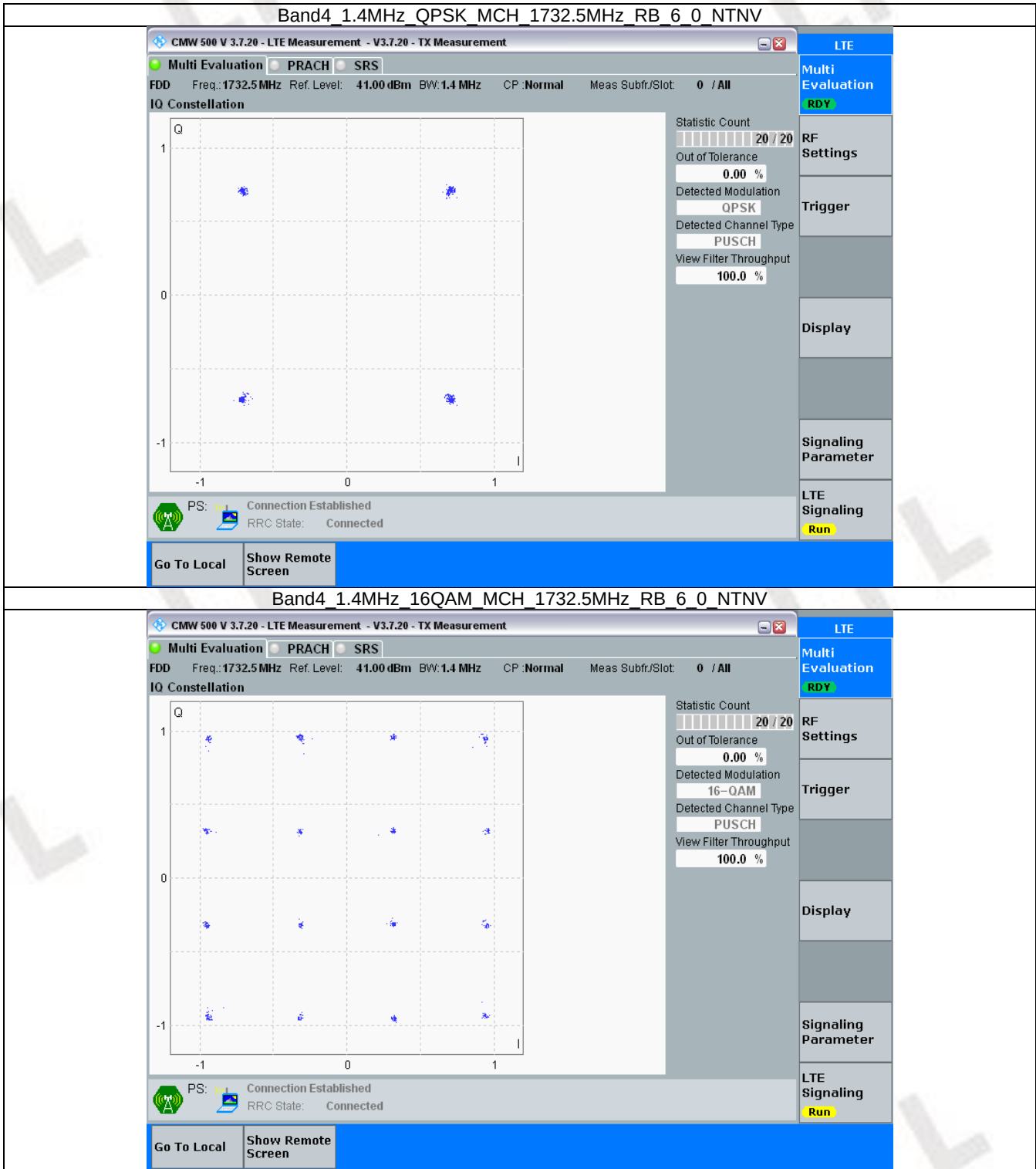
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

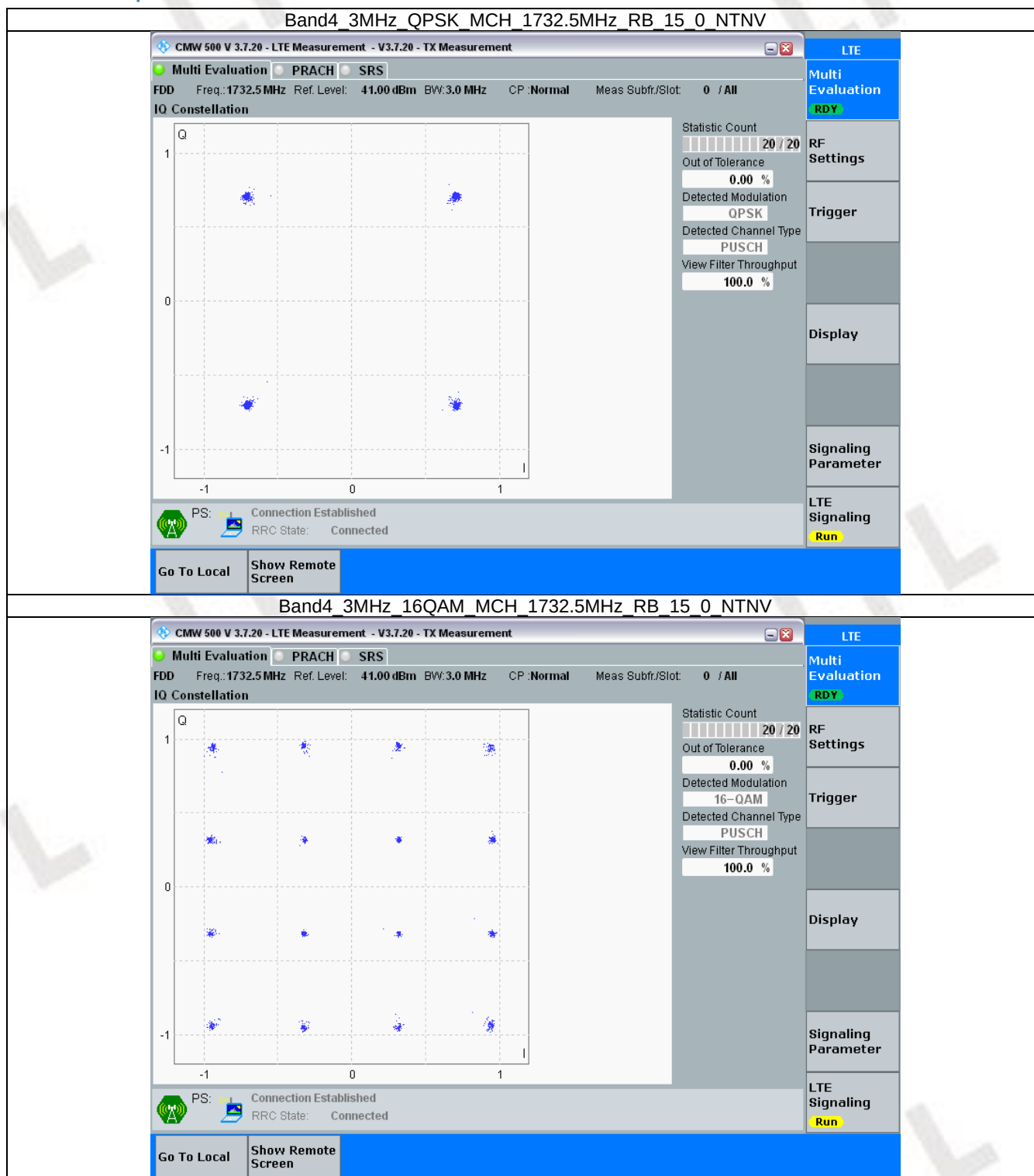


3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1732.5	15	0	Refer To Test Graph	Pass
16QAM	1732.5	15	0	Refer To Test Graph	Pass

3.2.2 Test Graph

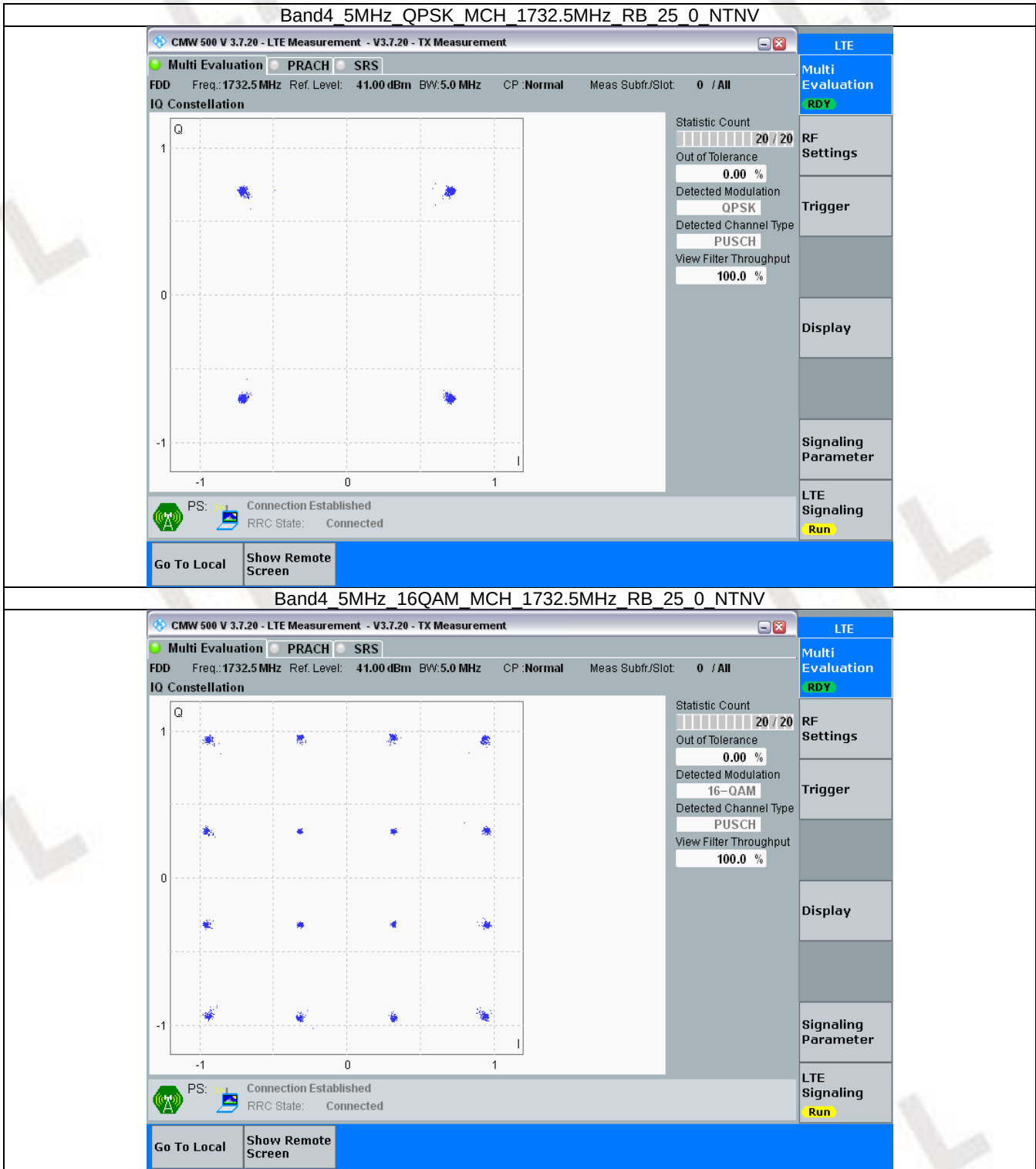


3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

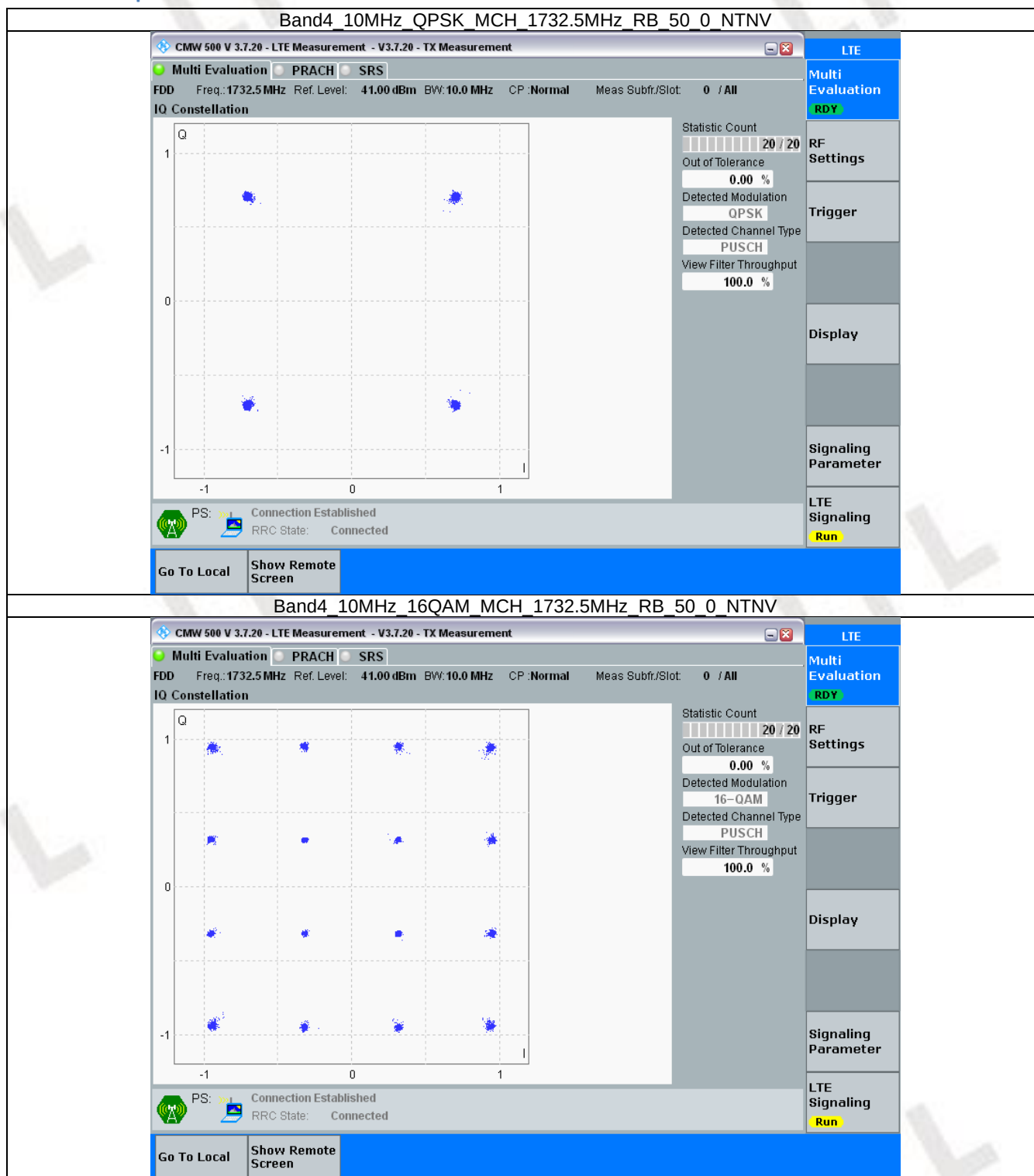


3.4 B4_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

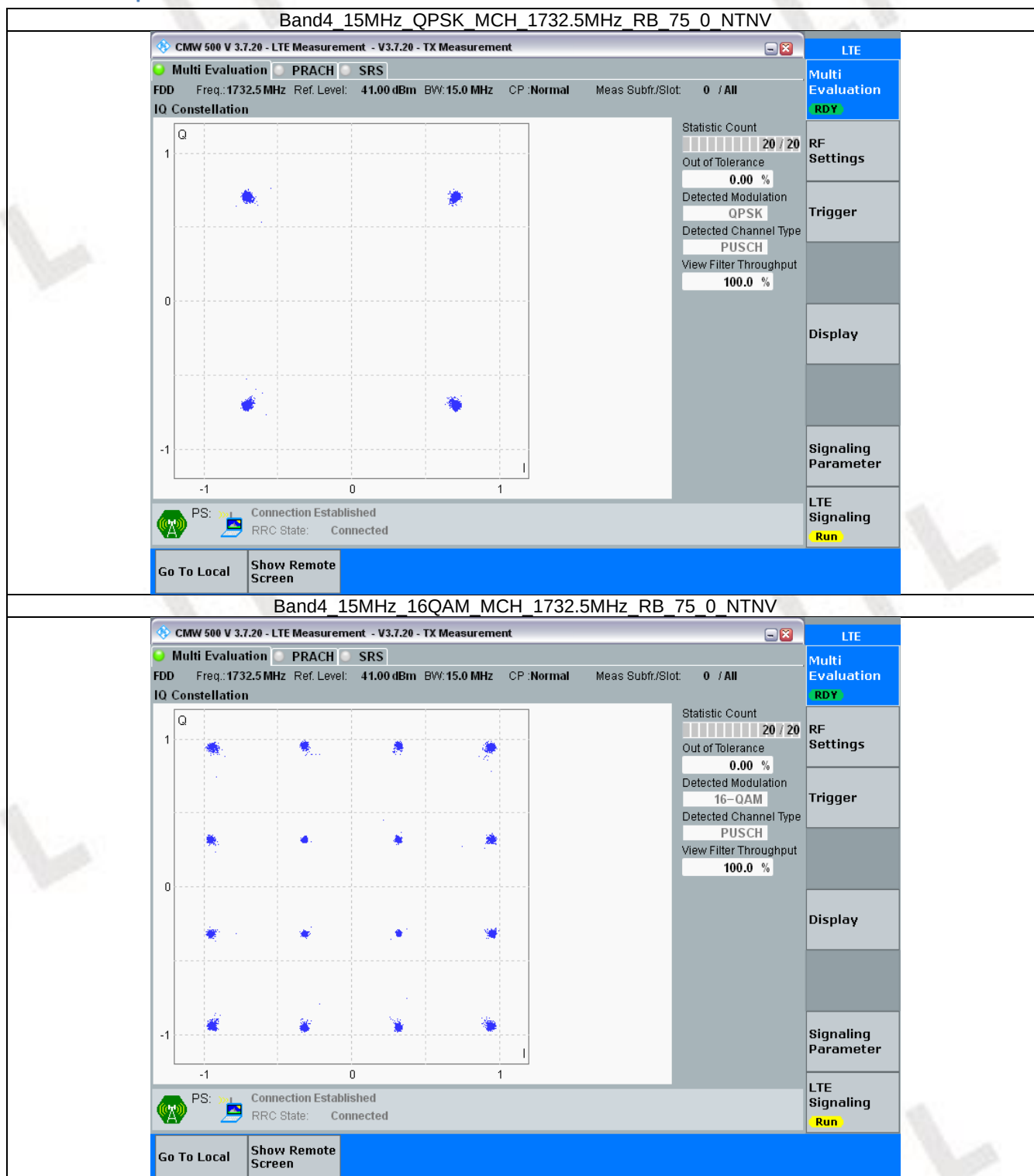


3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

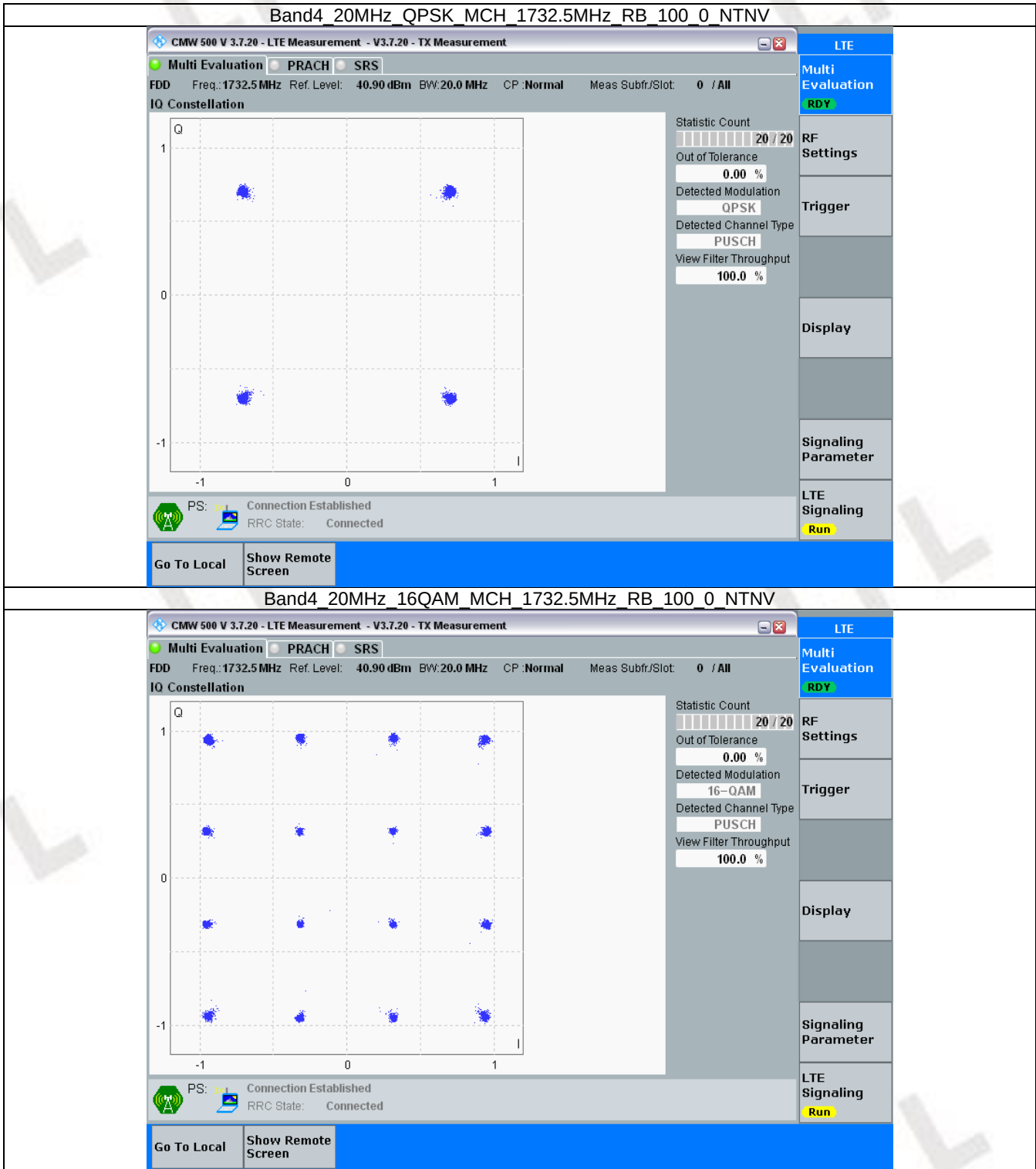


3.6 B4_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1732.5	100	0	Refer To Test Graph	Pass
16QAM	1732.5	100	0	Refer To Test Graph	Pass

3.6.2 Test Graph



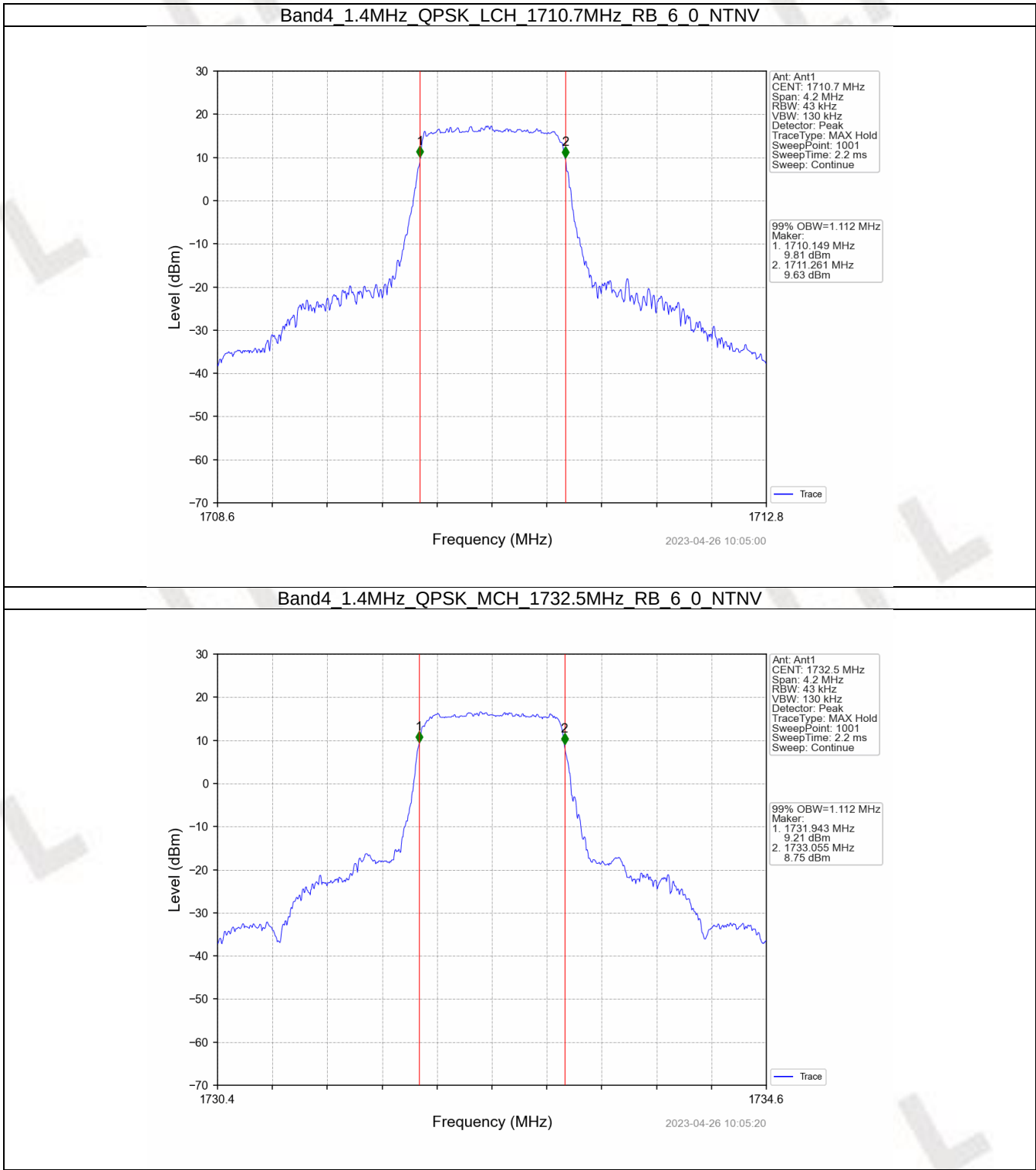
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

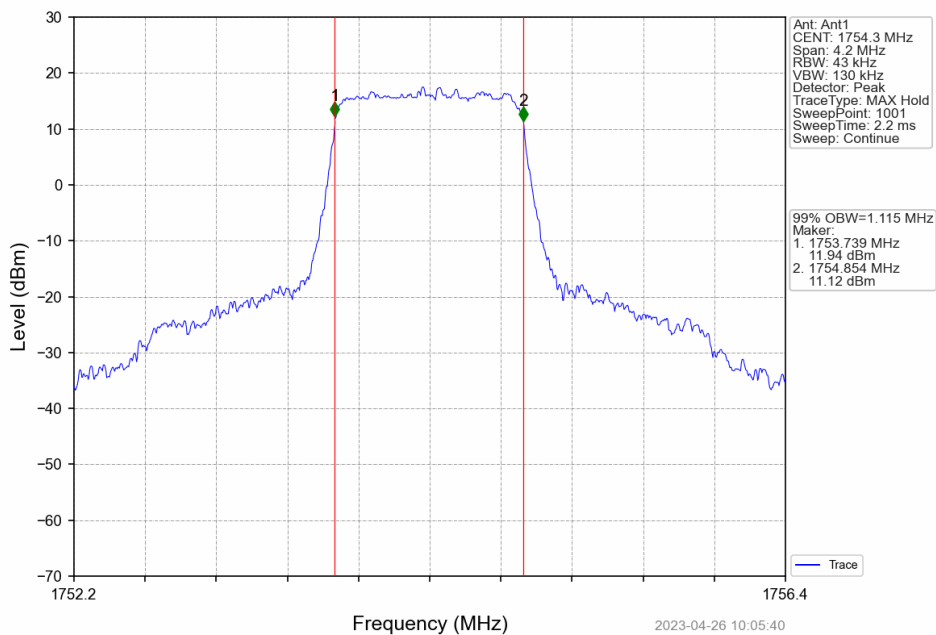
4.1.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.112	Pass
		1732.5	6	0	1.112	Pass
		1754.3	6	0	1.115	Pass
	16QAM	1710.7	6	0	1.101	Pass
		1732.5	6	0	1.116	Pass
		1754.3	6	0	1.114	Pass
3	QPSK	1711.5	15	0	2.732	Pass
		1732.5	15	0	2.735	Pass
		1753.5	15	0	2.726	Pass
	16QAM	1711.5	15	0	2.726	Pass
		1732.5	15	0	2.728	Pass
		1753.5	15	0	2.719	Pass
5	QPSK	1712.5	25	0	4.575	Pass
		1732.5	25	0	4.562	Pass
		1752.5	25	0	4.575	Pass
	16QAM	1712.5	25	0	4.601	Pass
		1732.5	25	0	4.588	Pass
		1752.5	25	0	4.563	Pass
10	QPSK	1715	50	0	9.111	Pass
		1732.5	50	0	9.035	Pass
		1750	50	0	9.077	Pass
	16QAM	1715	50	0	9.064	Pass
		1732.5	50	0	9.061	Pass
		1750	50	0	9.081	Pass
15	QPSK	1717.5	75	0	13.669	Pass
		1732.5	75	0	13.570	Pass
		1747.5	75	0	13.608	Pass
	16QAM	1717.5	75	0	13.687	Pass
		1732.5	75	0	13.613	Pass
		1747.5	75	0	13.656	Pass
20	QPSK	1720	100	0	18.188	Pass
		1732.5	100	0	18.056	Pass
		1745	100	0	18.114	Pass
	16QAM	1720	100	0	18.155	Pass
		1732.5	100	0	18.075	Pass
		1745	100	0	18.120	Pass

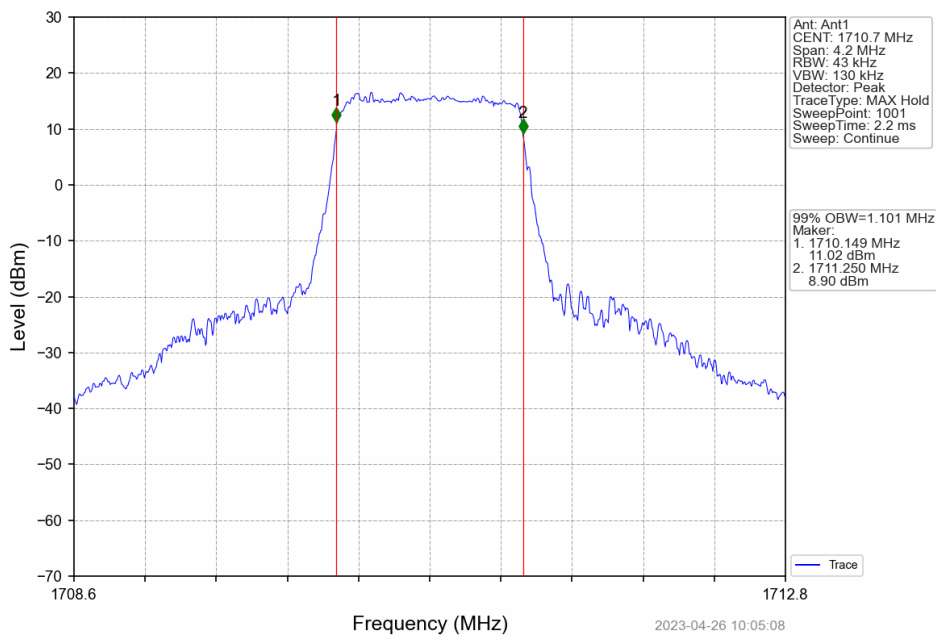
4.1.2 Test Graph

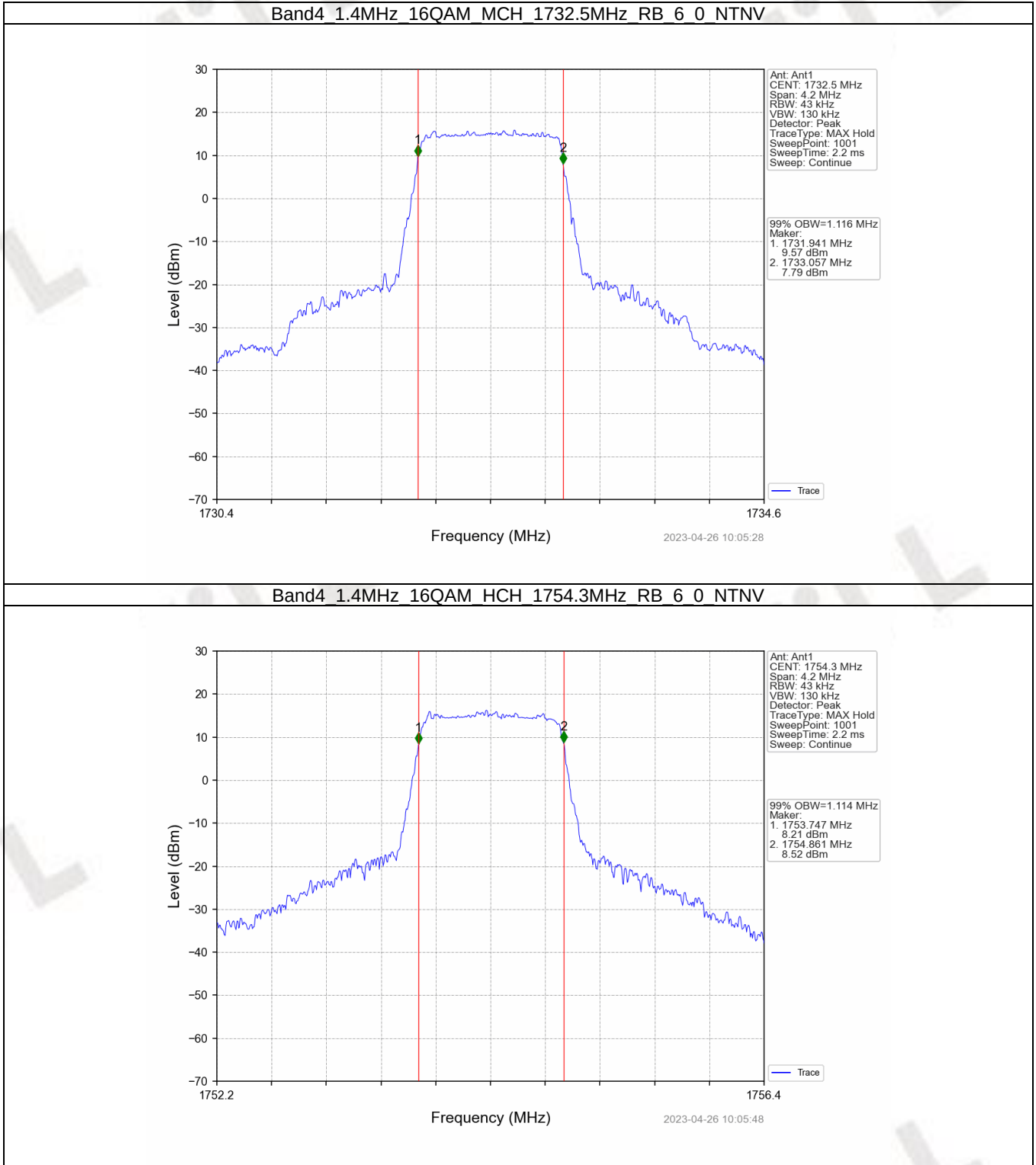


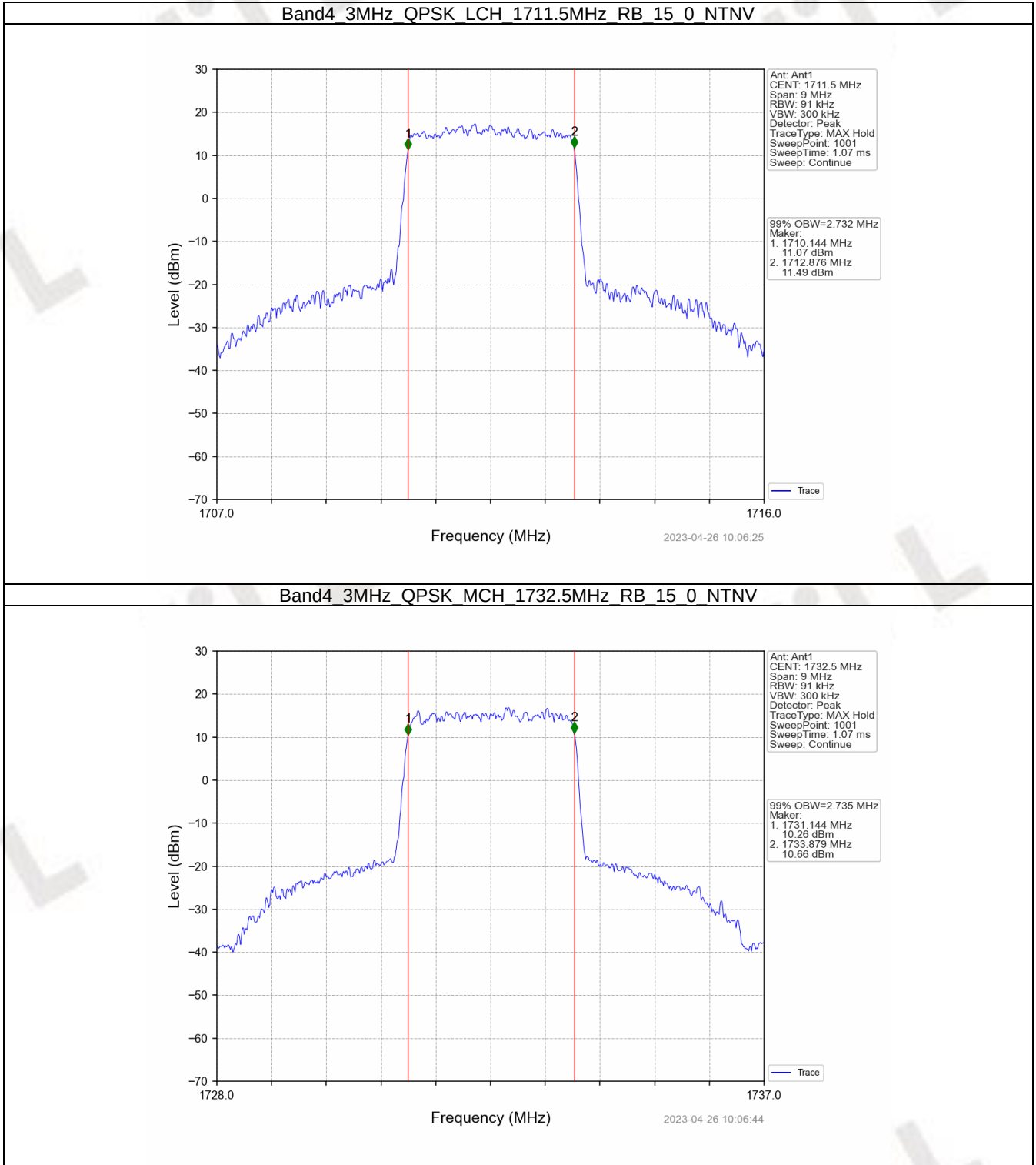
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV

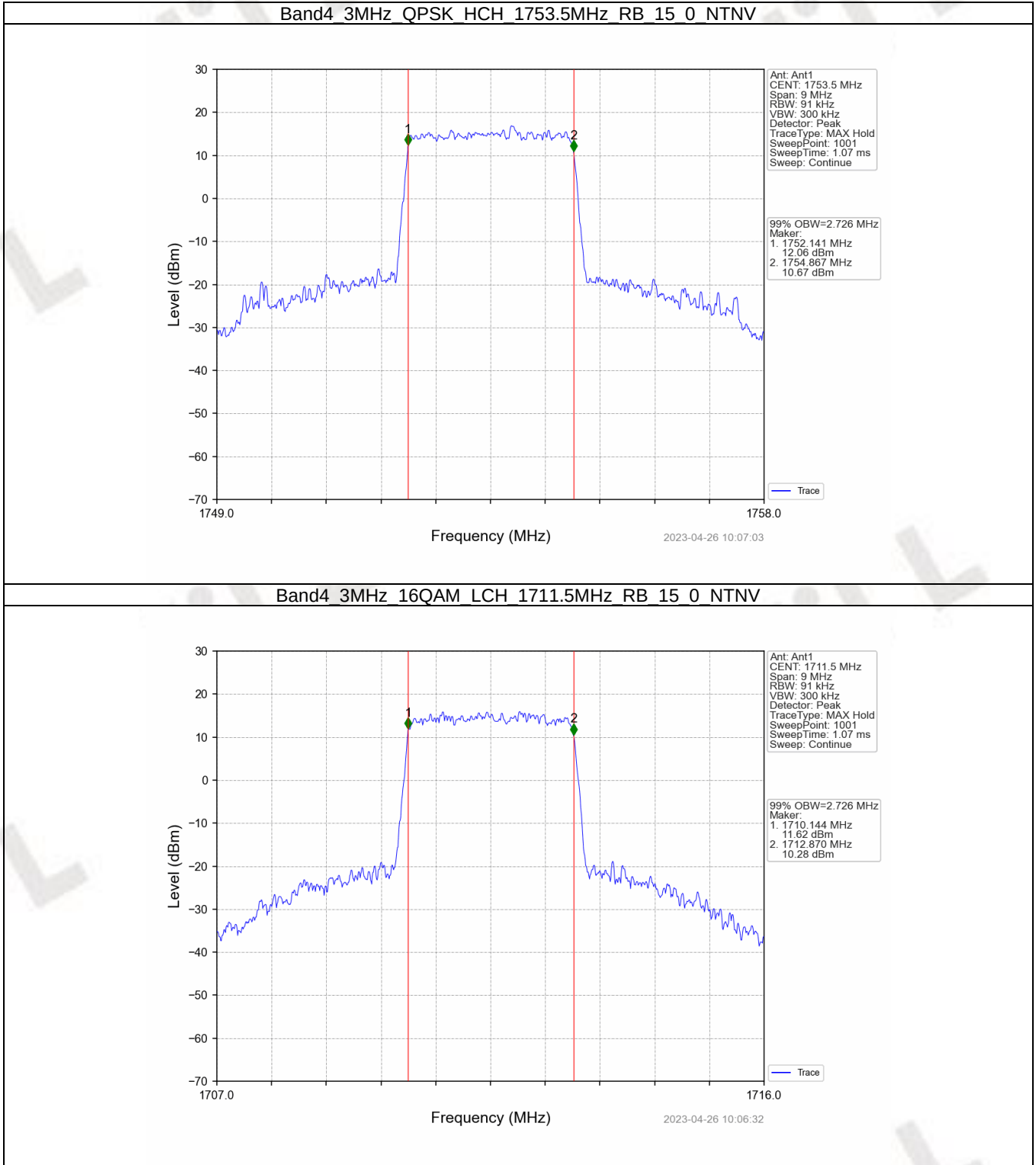


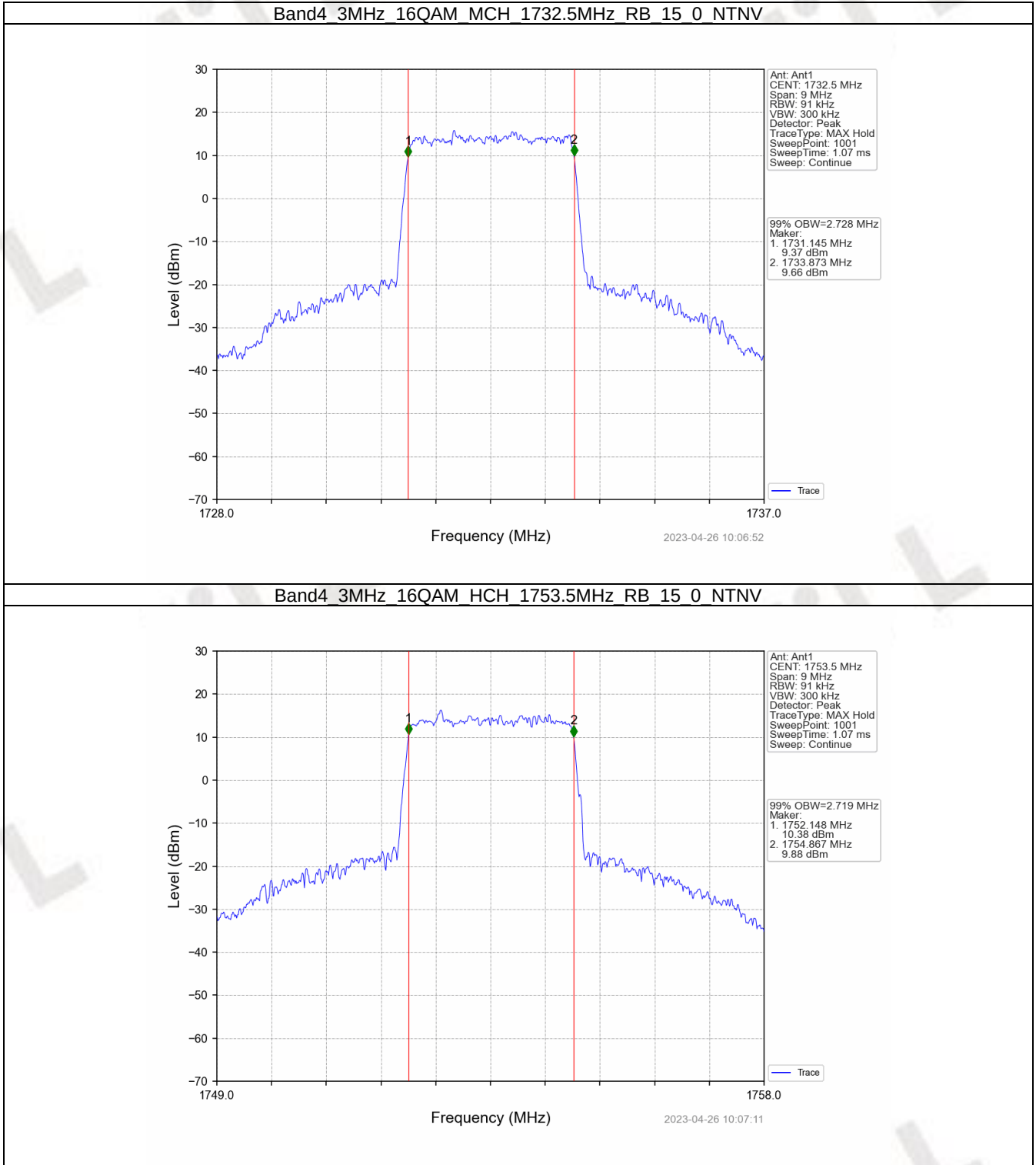
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV

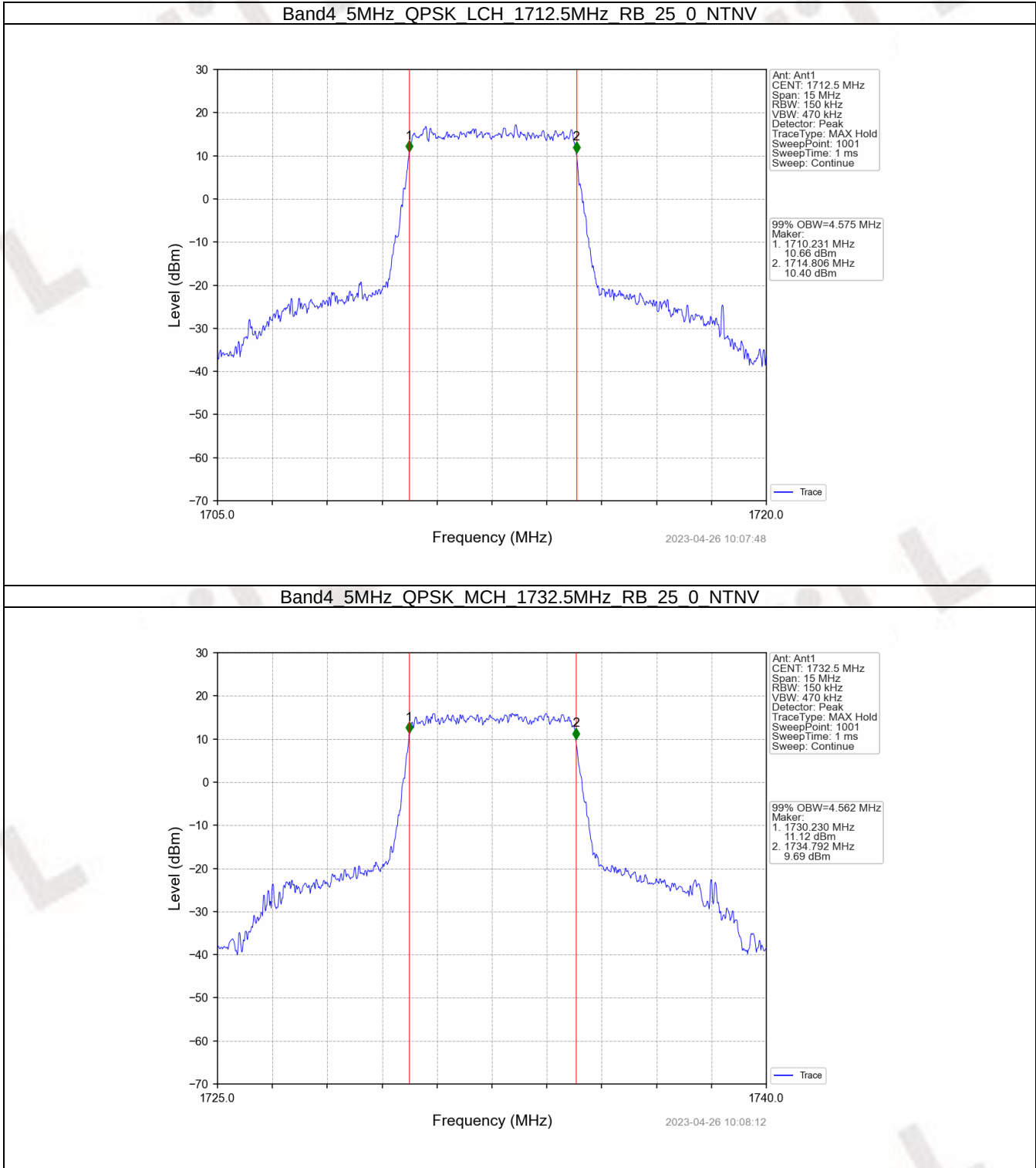


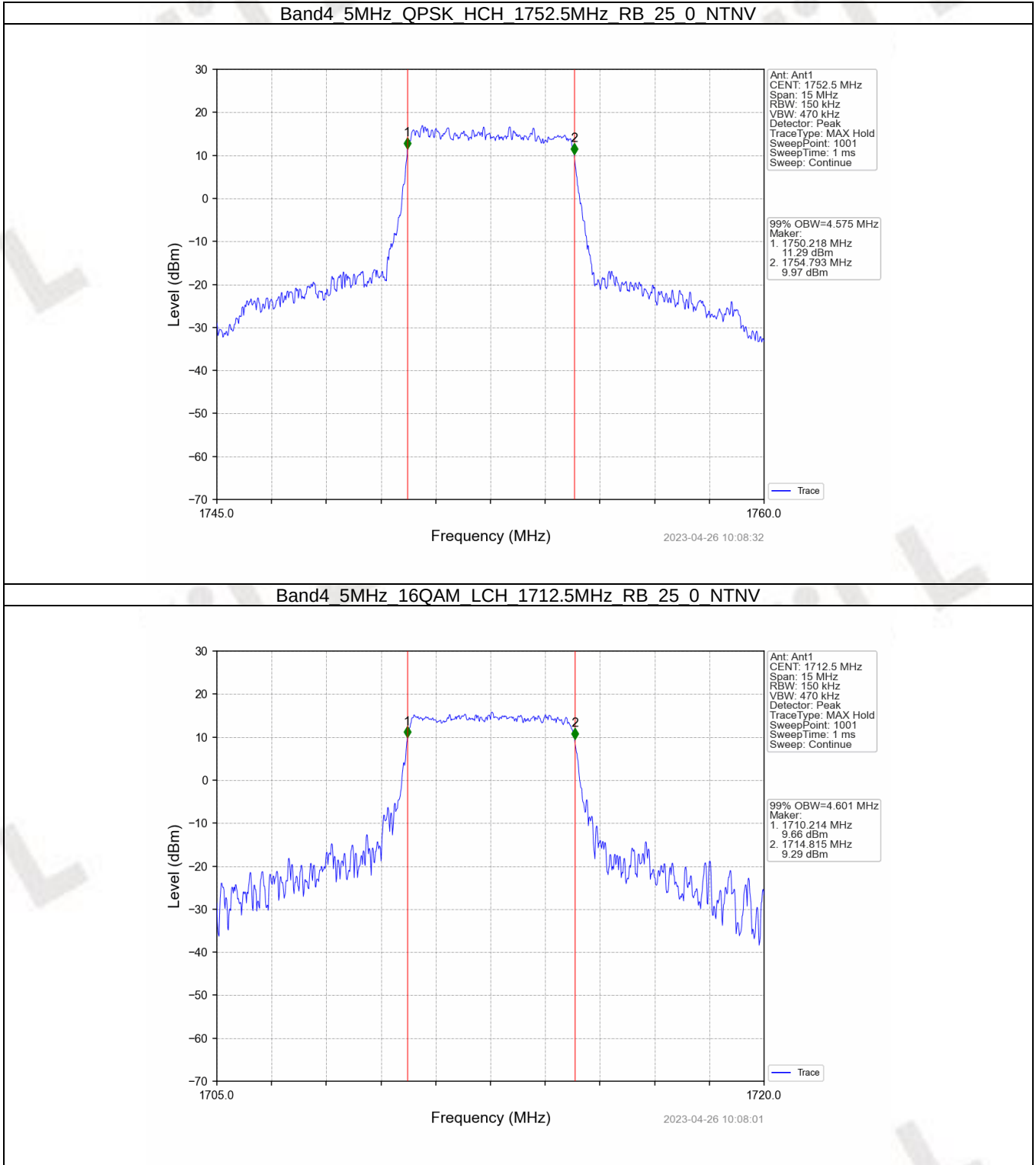


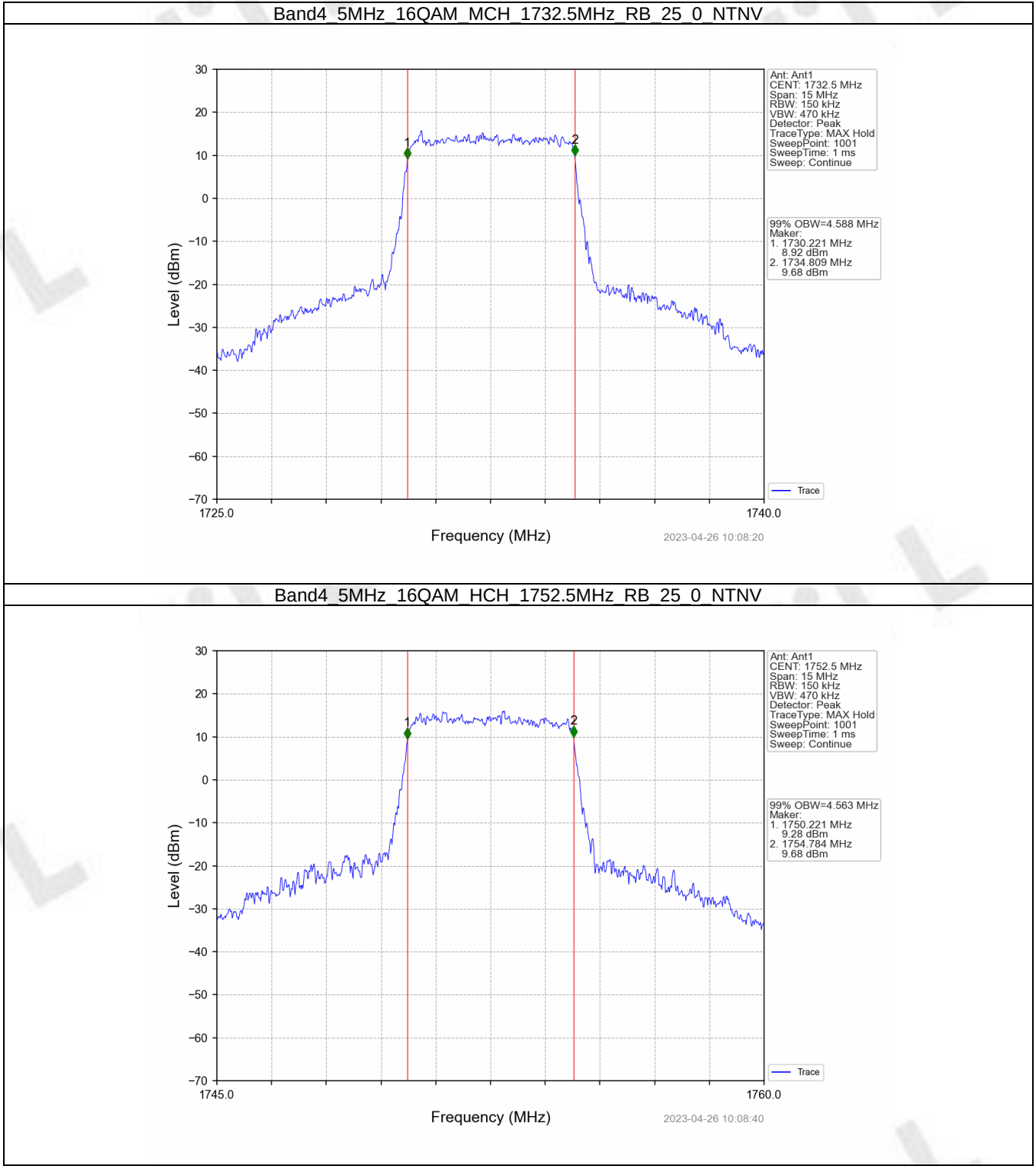


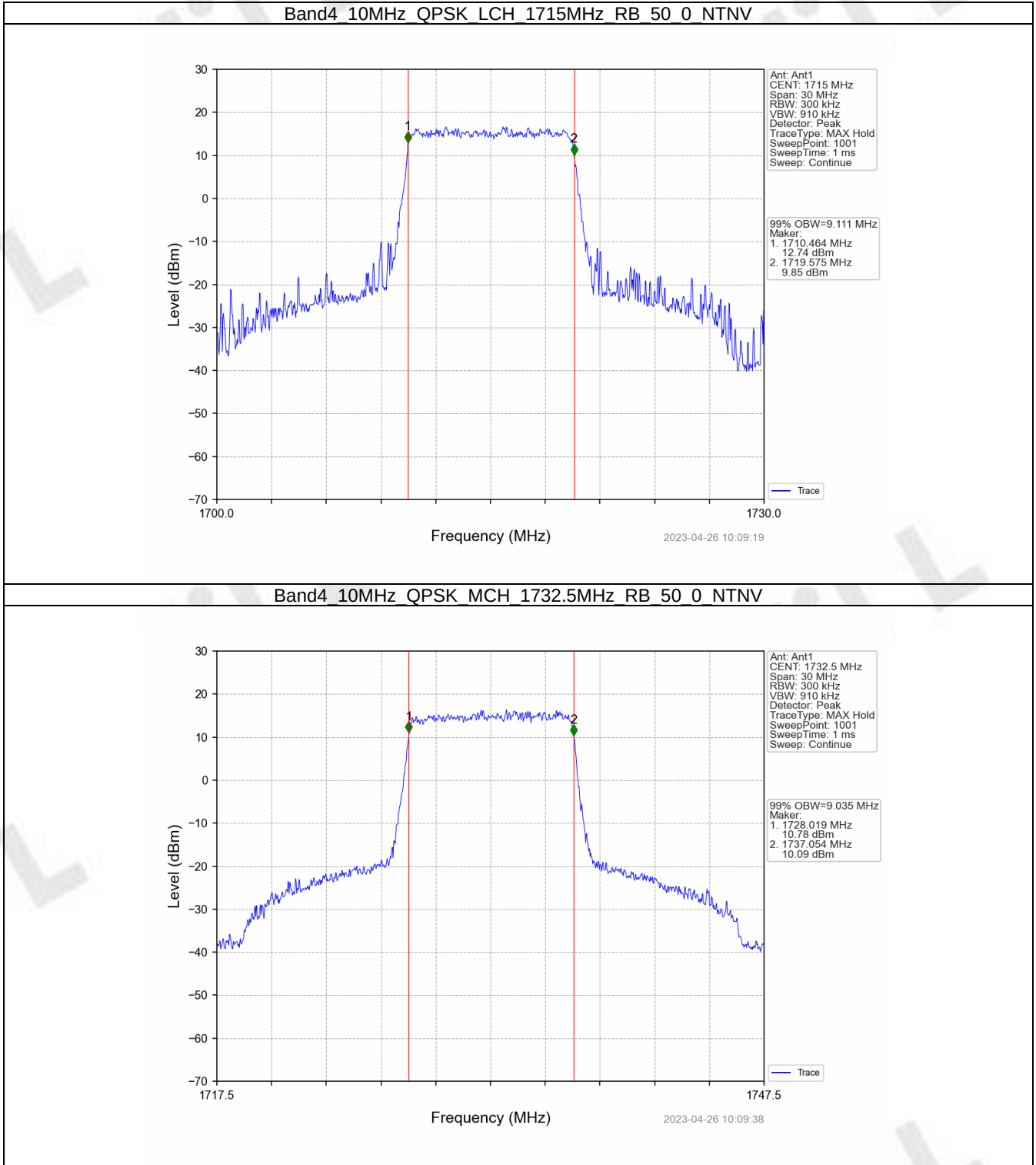




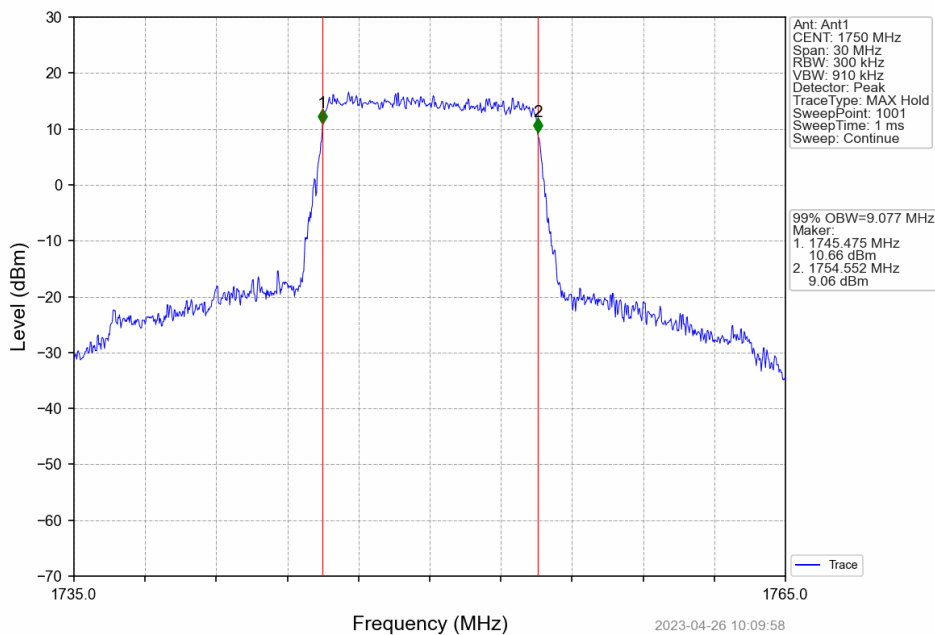




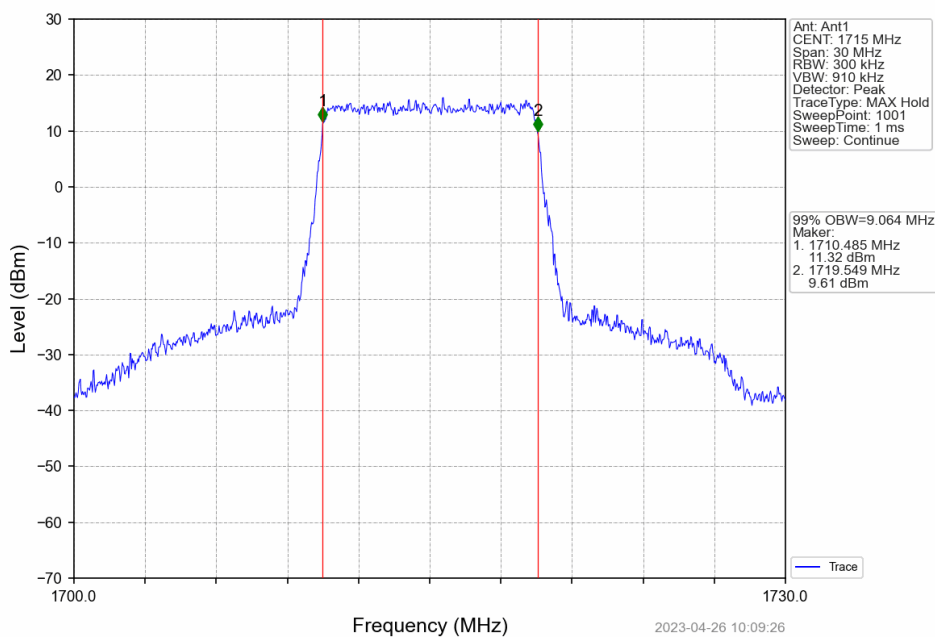


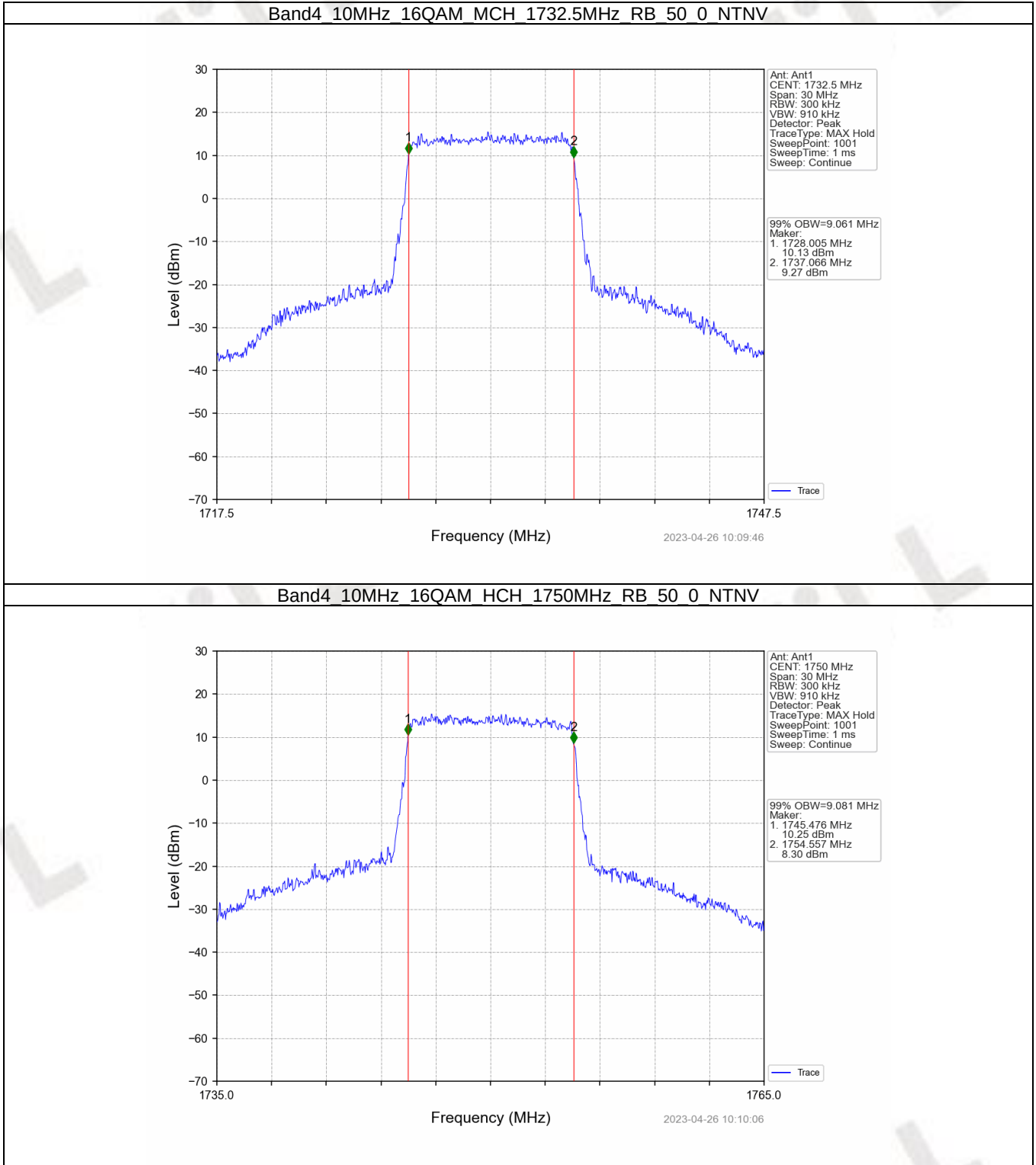


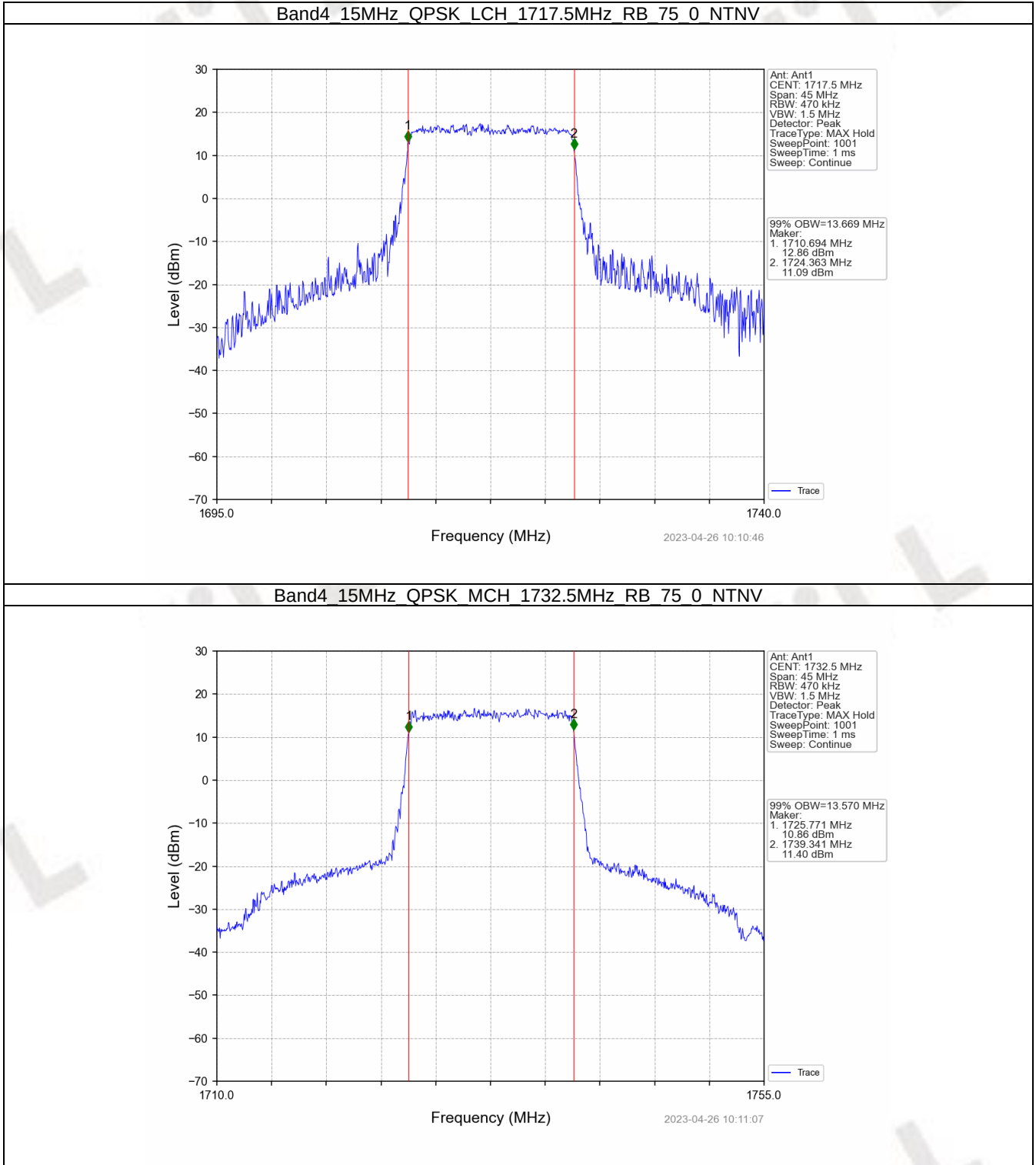
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN

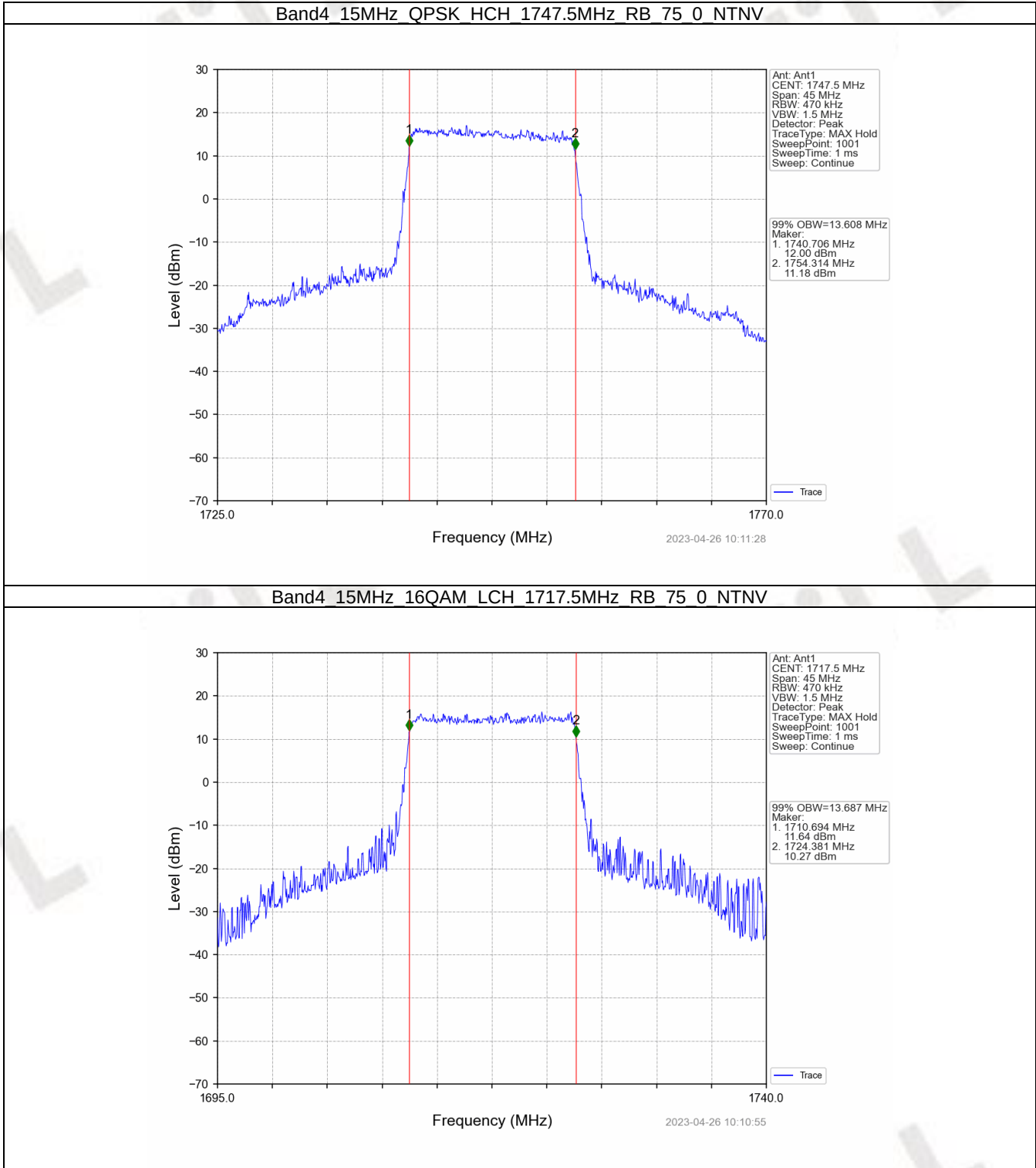


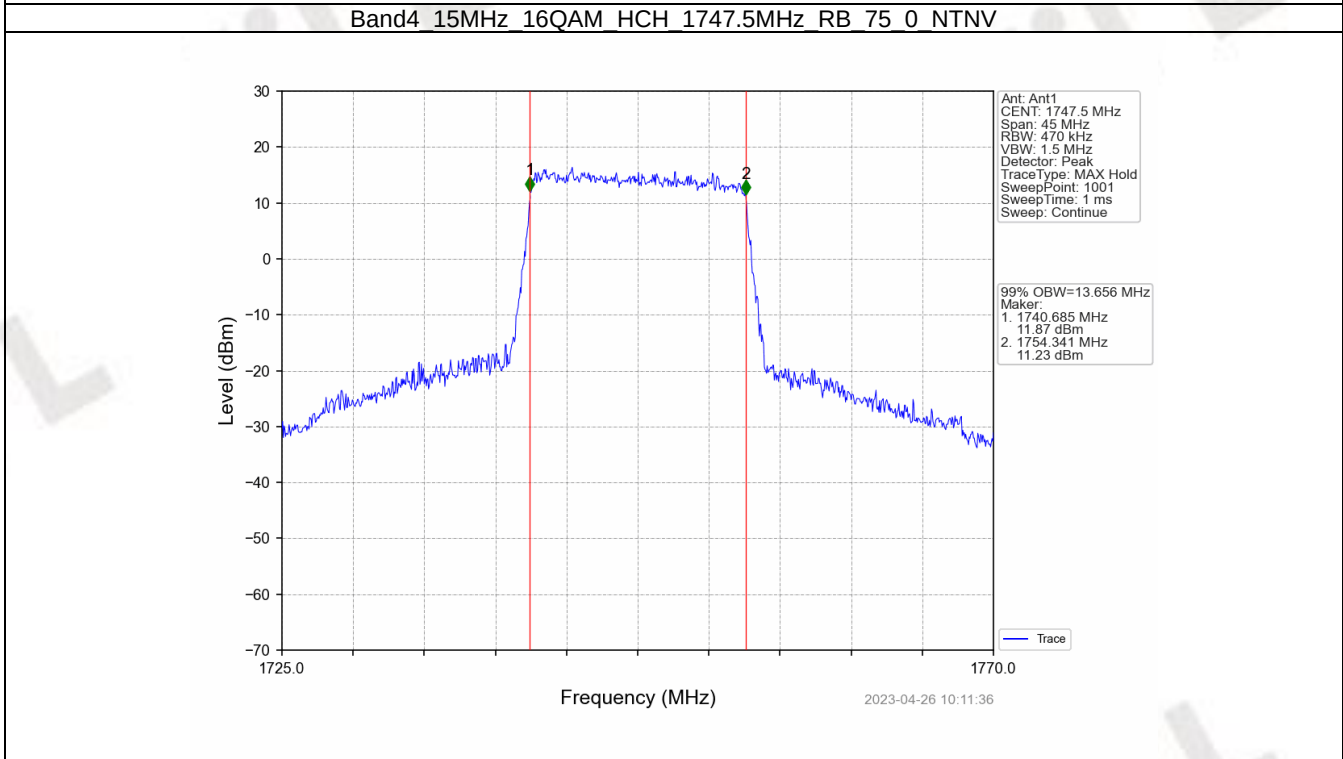
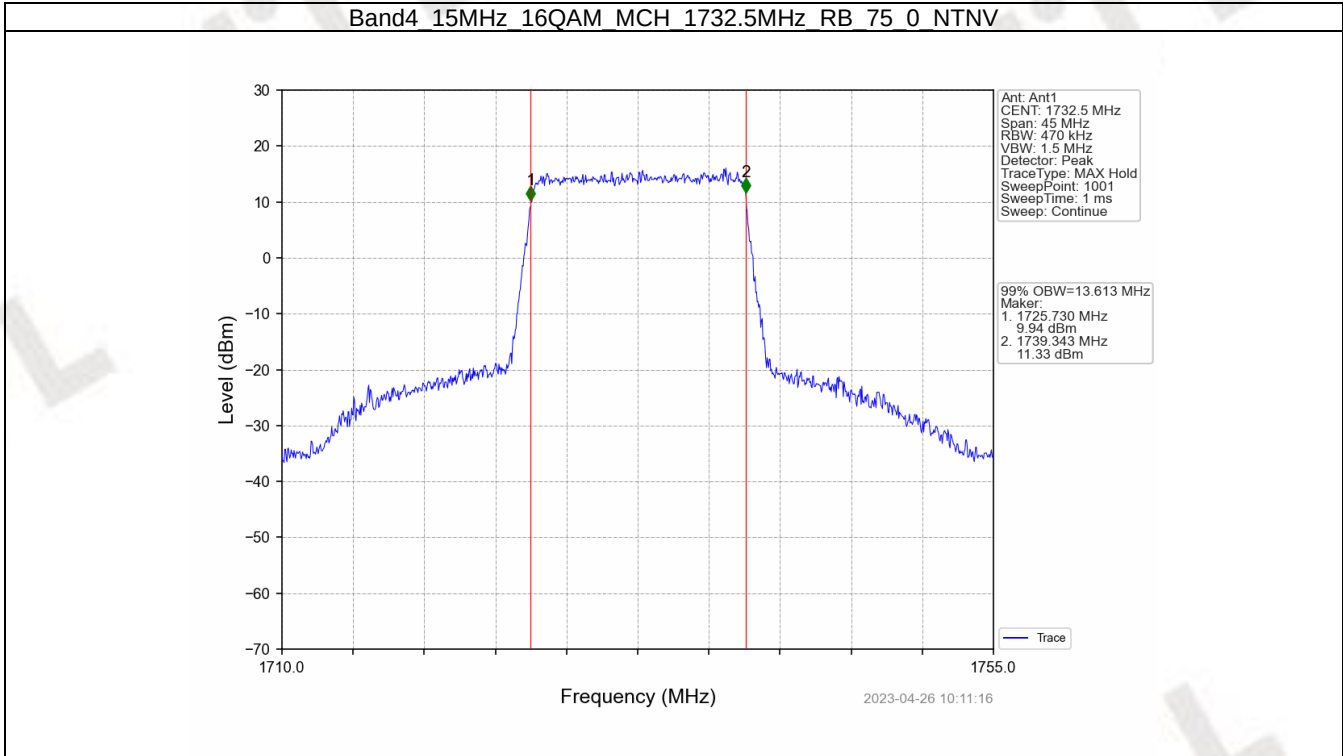
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN

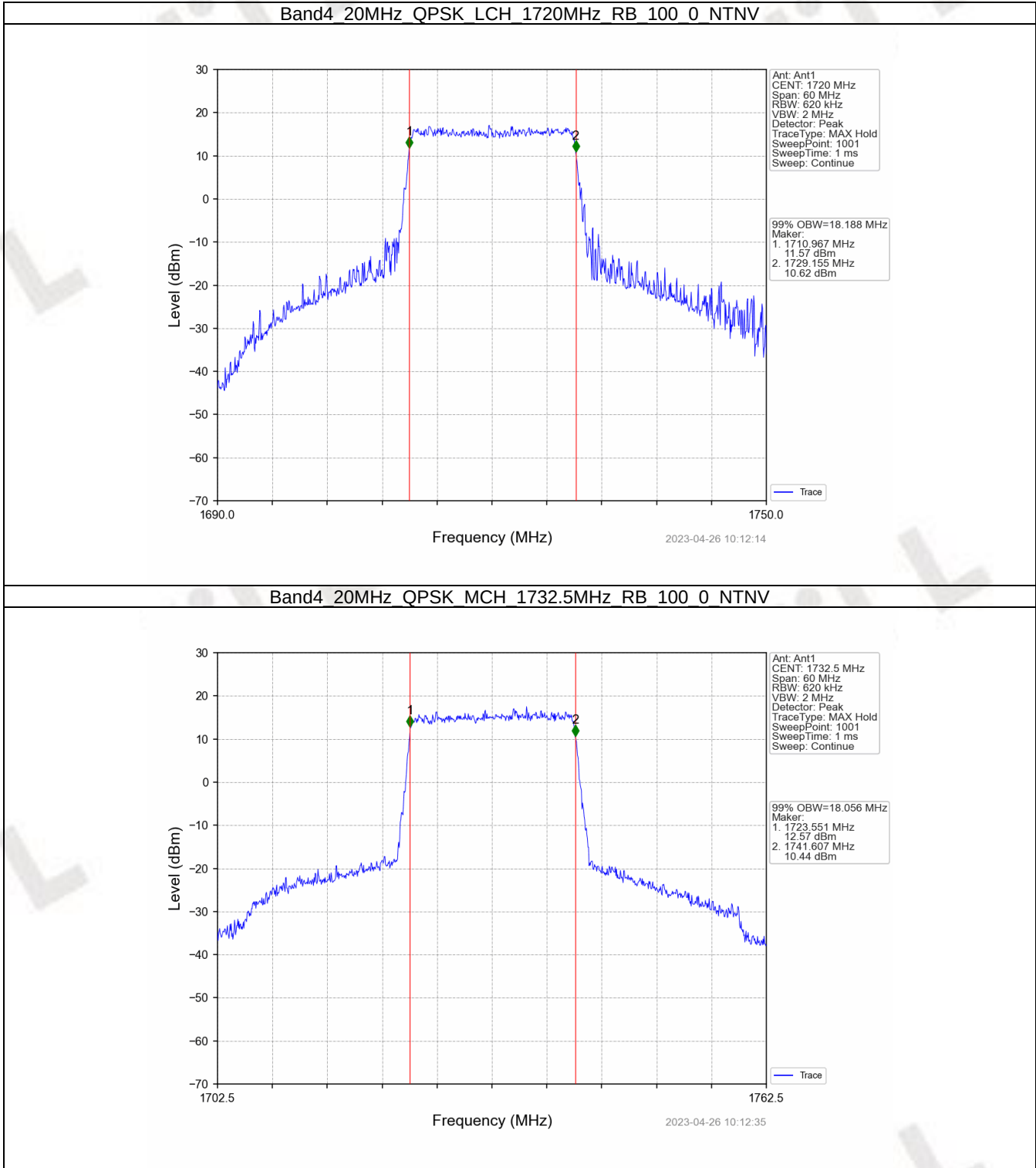


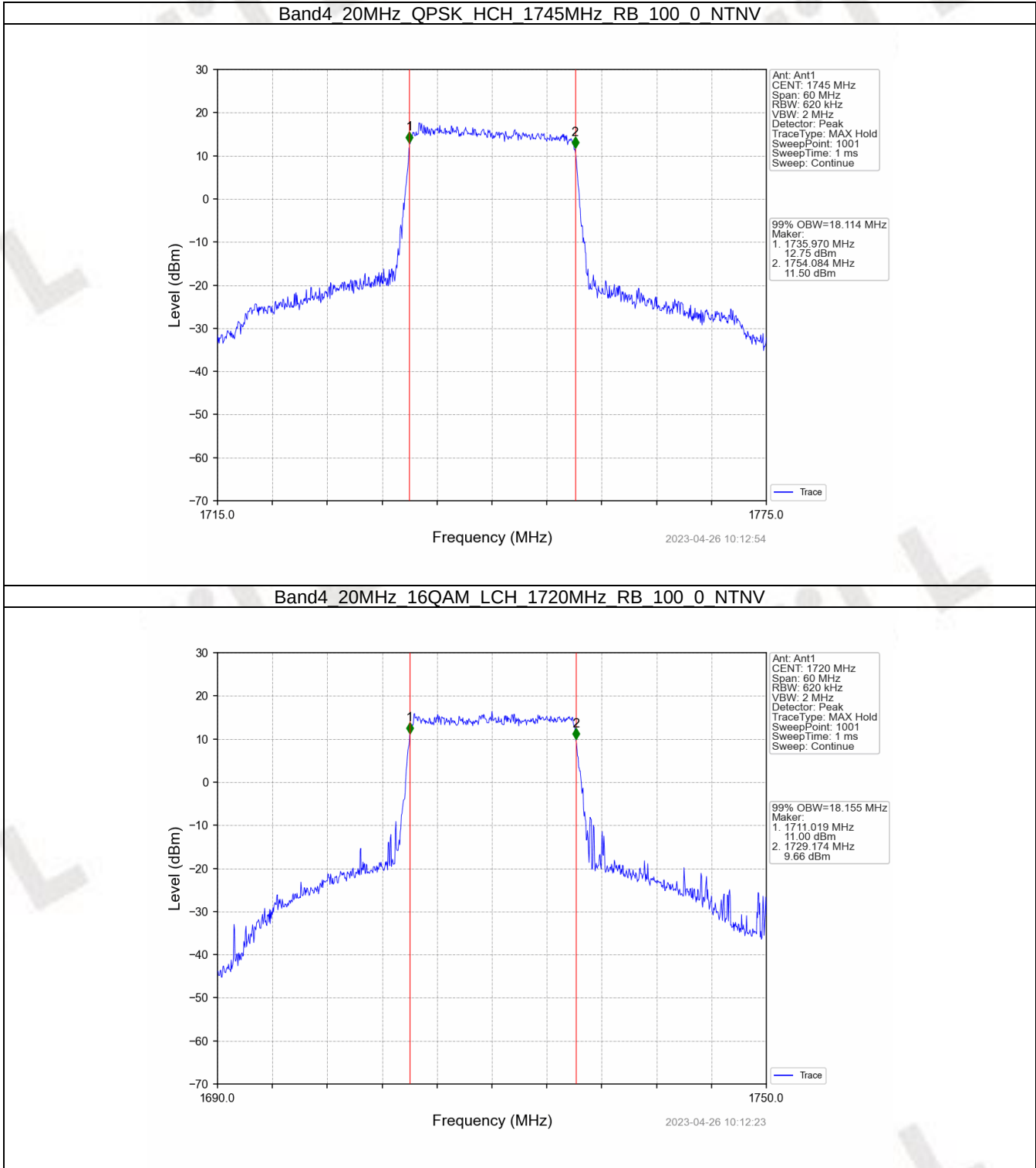


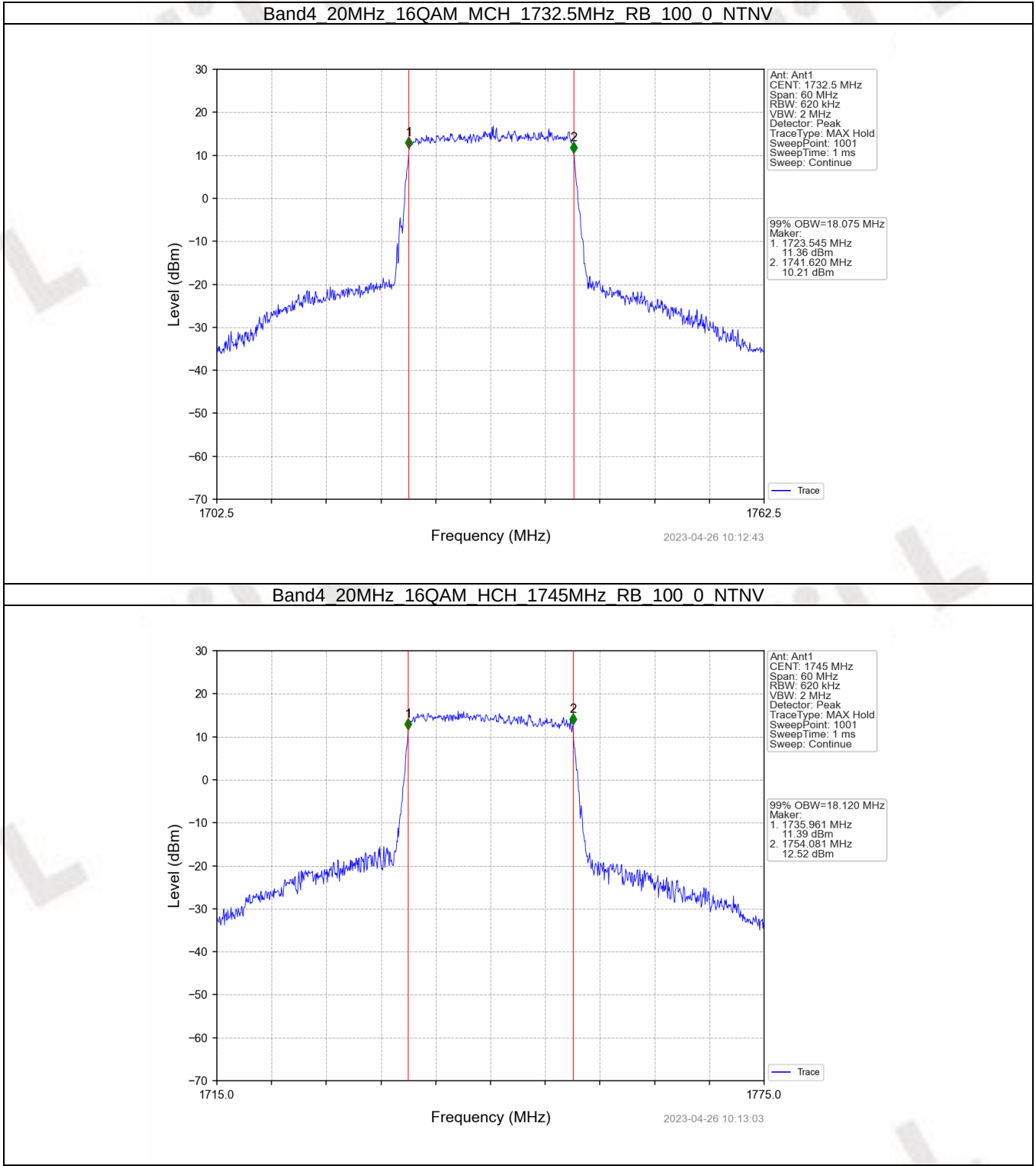










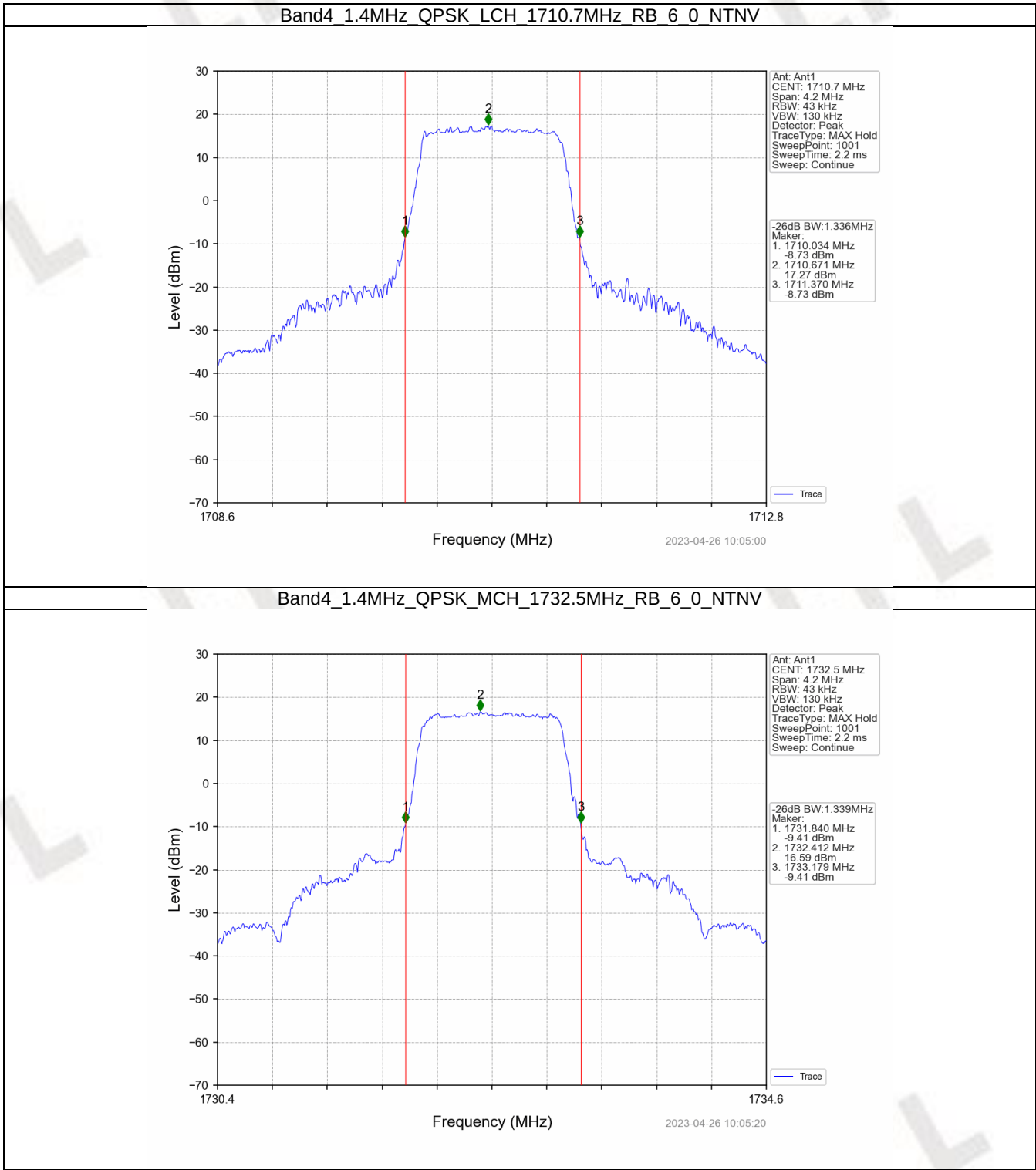


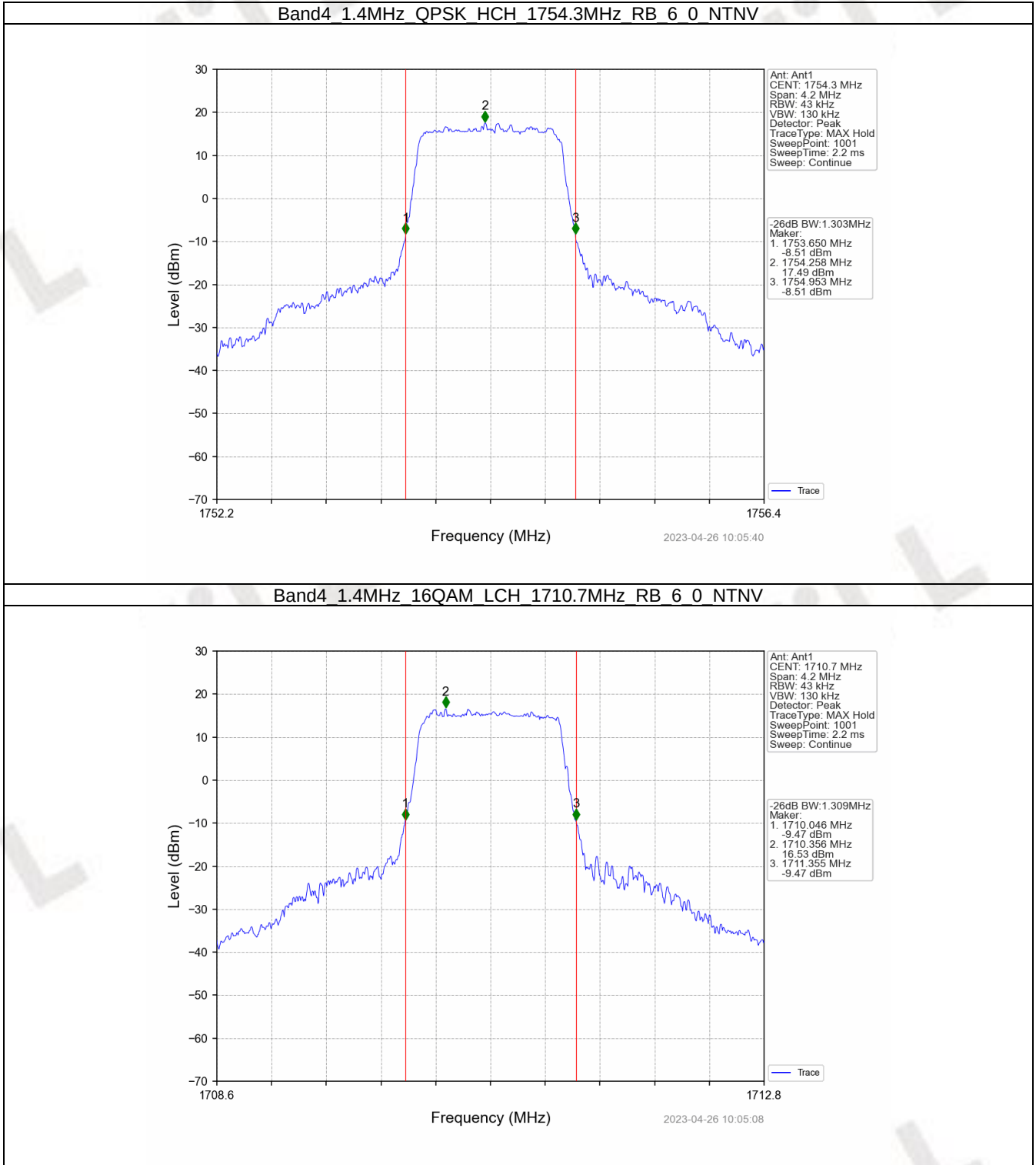
4.2 Band4_XDB

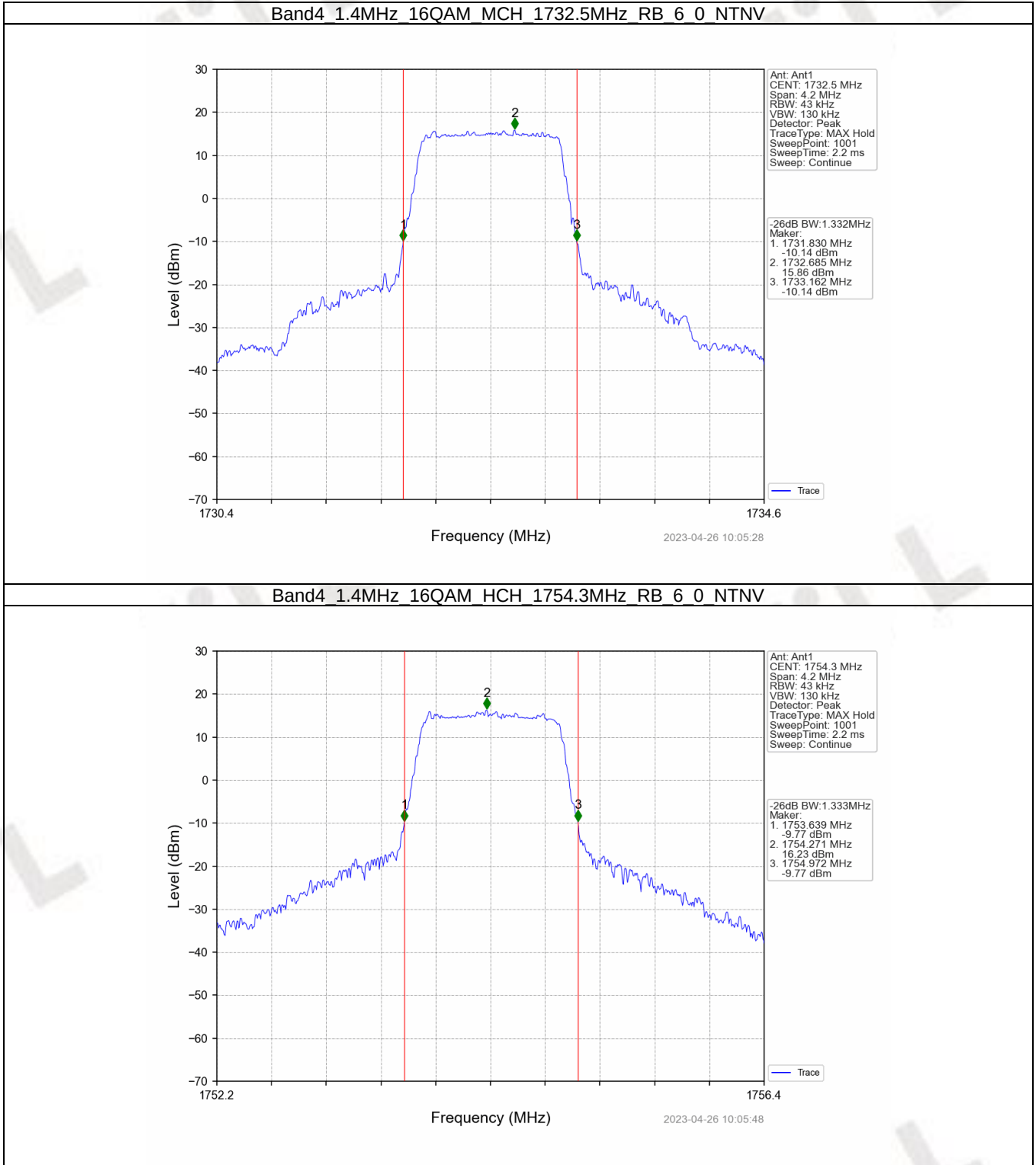
4.2.1 Test Result

Band: 4 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.336	Pass
		1732.5	6	0	1.339	Pass
		1754.3	6	0	1.303	Pass
	16QAM	1710.7	6	0	1.309	Pass
		1732.5	6	0	1.332	Pass
		1754.3	6	0	1.333	Pass
3	QPSK	1711.5	15	0	2.983	Pass
		1732.5	15	0	2.991	Pass
		1753.5	15	0	2.994	Pass
	16QAM	1711.5	15	0	3.003	Pass
		1732.5	15	0	2.996	Pass
		1753.5	15	0	2.997	Pass
5	QPSK	1712.5	25	0	5.262	Pass
		1732.5	25	0	5.232	Pass
		1752.5	25	0	5.278	Pass
	16QAM	1712.5	25	0	5.750	Pass
		1732.5	25	0	5.252	Pass
		1752.5	25	0	5.220	Pass
10	QPSK	1715	50	0	10.286	Pass
		1732.5	50	0	10.174	Pass
		1750	50	0	10.305	Pass
	16QAM	1715	50	0	10.279	Pass
		1732.5	50	0	10.267	Pass
		1750	50	0	10.174	Pass
15	QPSK	1717.5	75	0	16.933	Pass
		1732.5	75	0	15.333	Pass
		1747.5	75	0	15.364	Pass
	16QAM	1717.5	75	0	16.054	Pass
		1732.5	75	0	15.381	Pass
		1747.5	75	0	15.266	Pass
20	QPSK	1720	100	0	21.825	Pass
		1732.5	100	0	20.074	Pass
		1745	100	0	19.987	Pass
	16QAM	1720	100	0	21.389	Pass
		1732.5	100	0	20.037	Pass
		1745	100	0	20.090	Pass

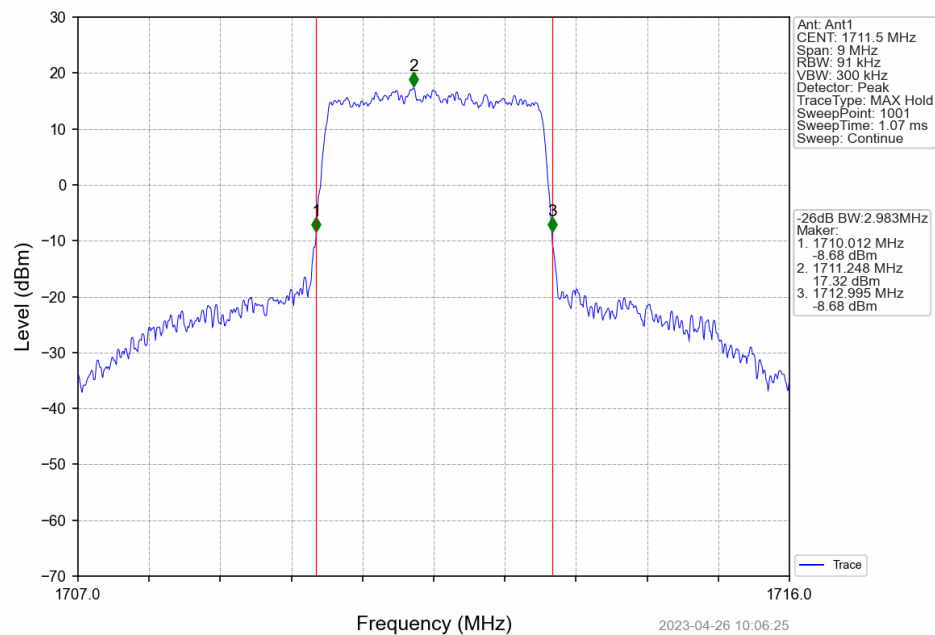
4.2.2 Test Graph



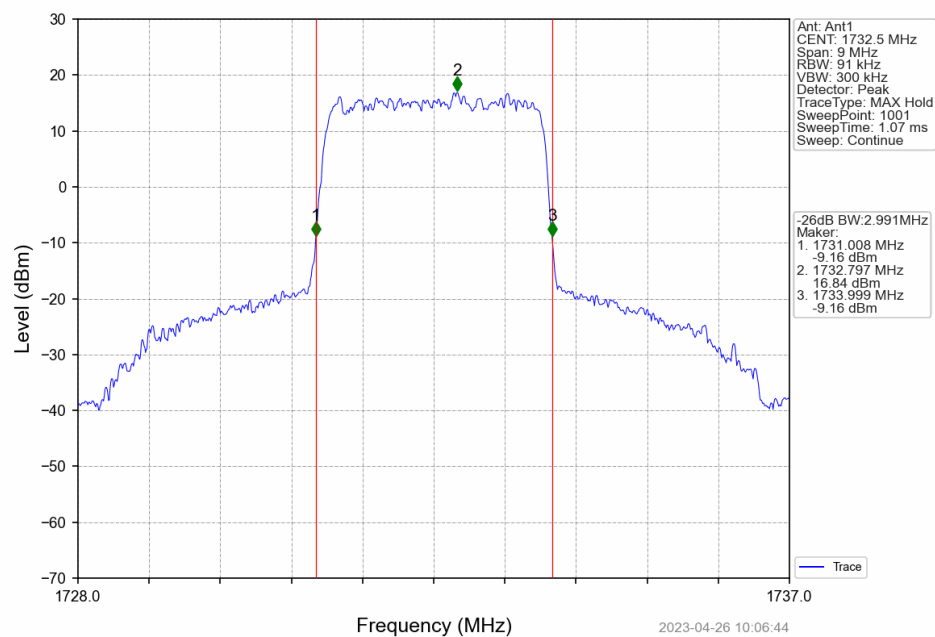


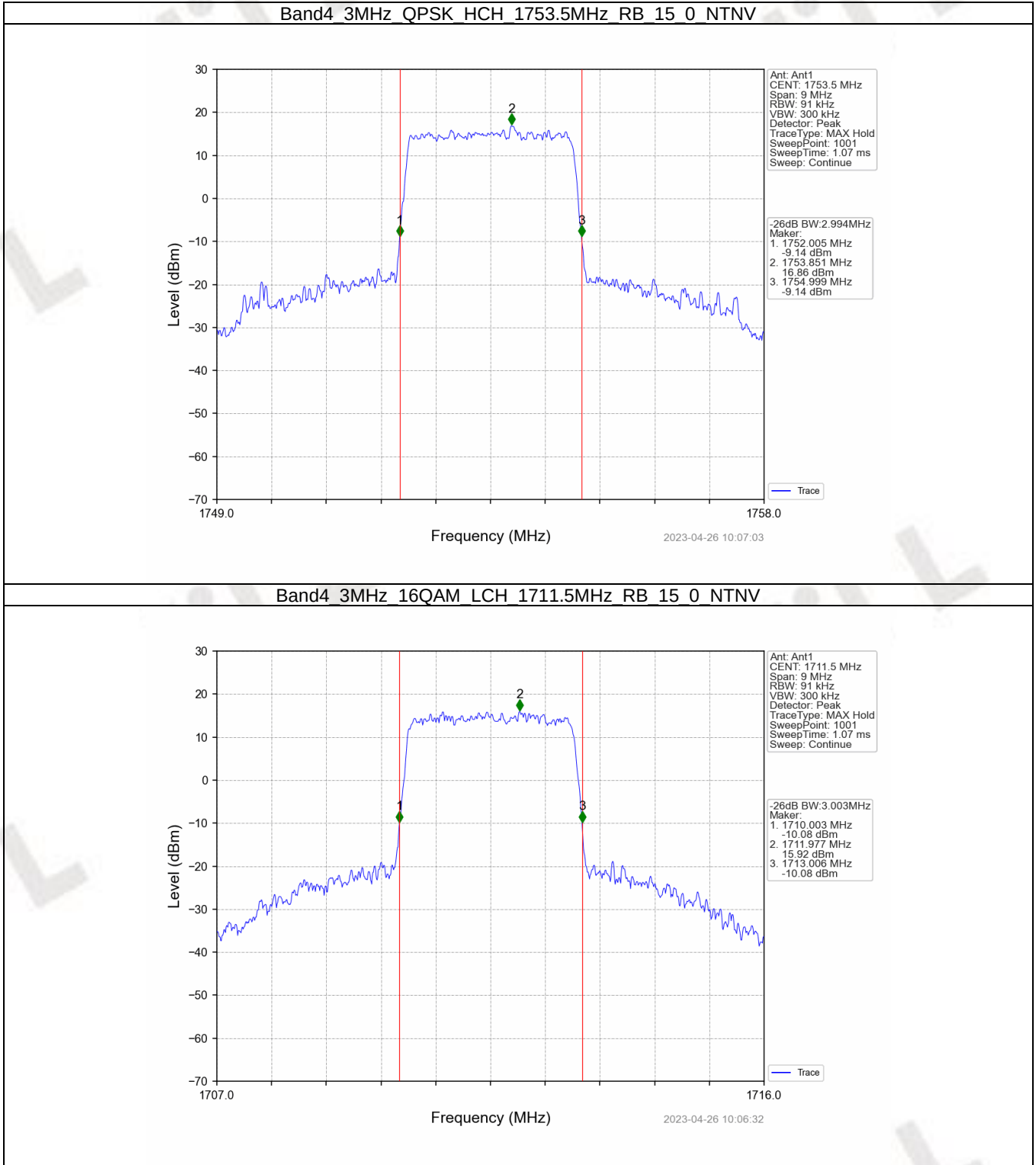


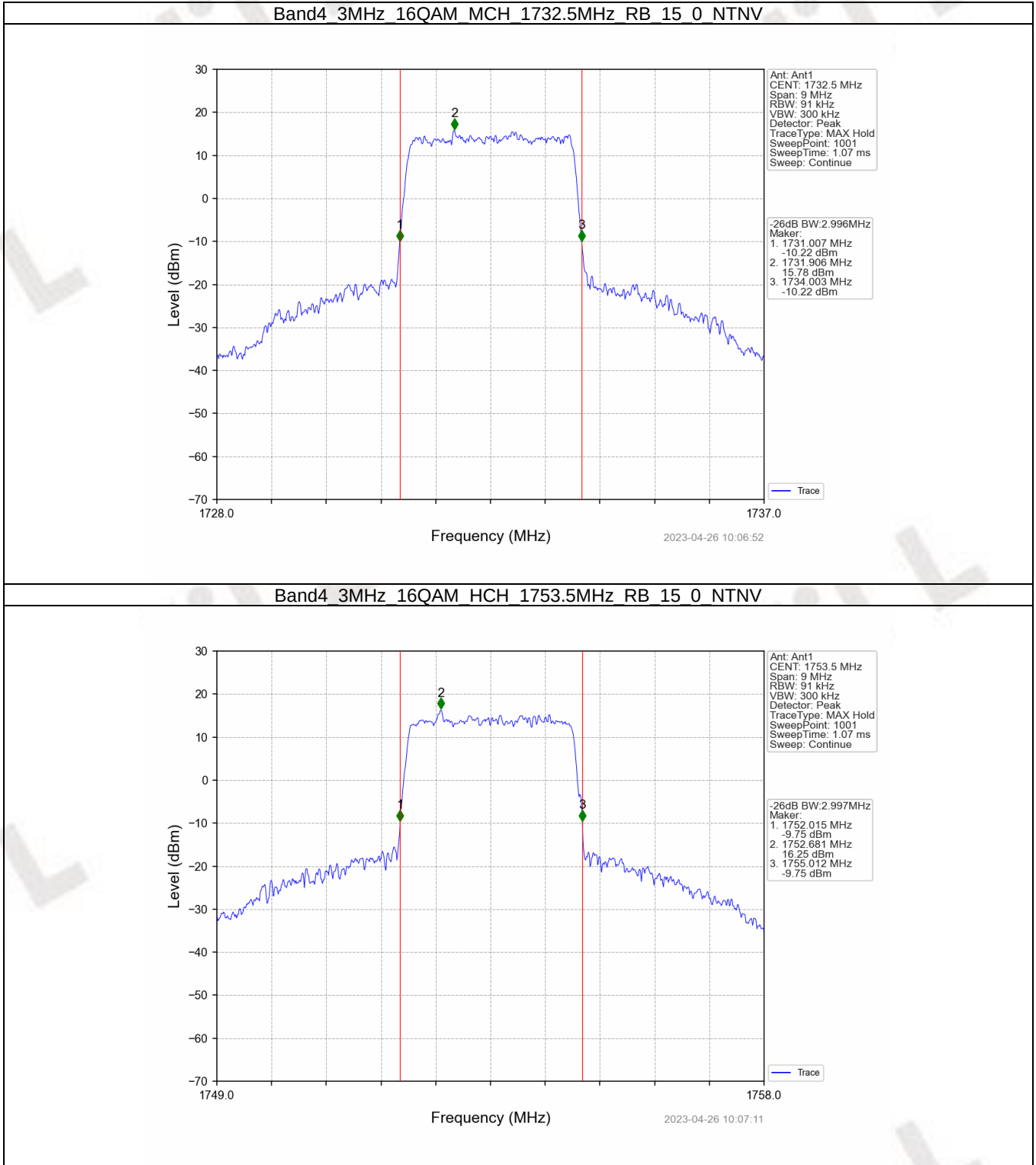
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



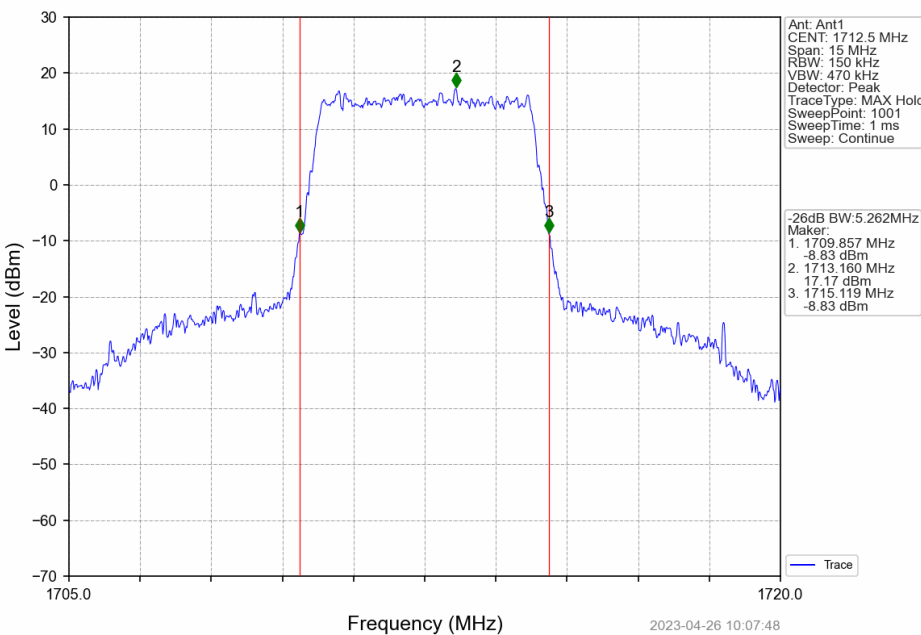
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



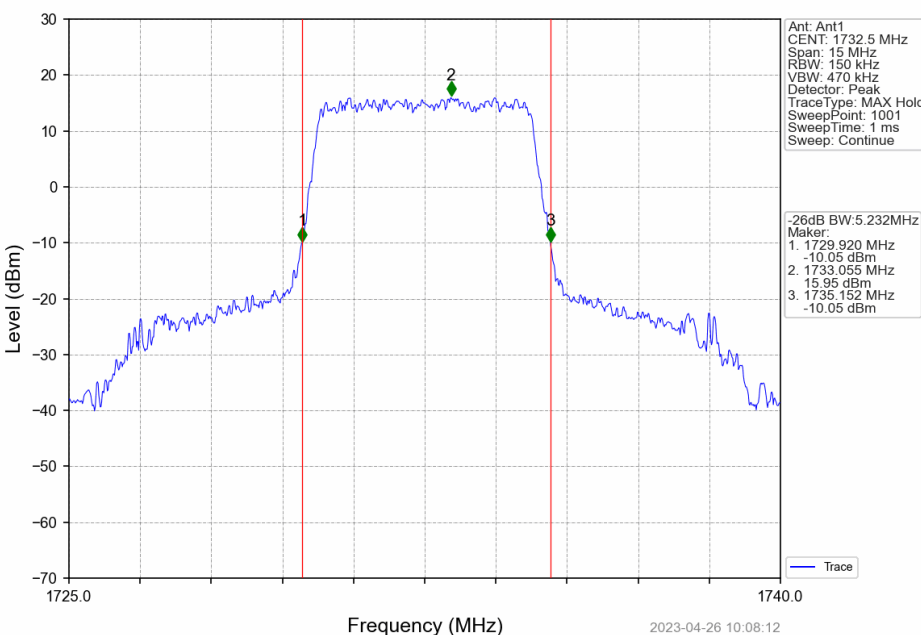


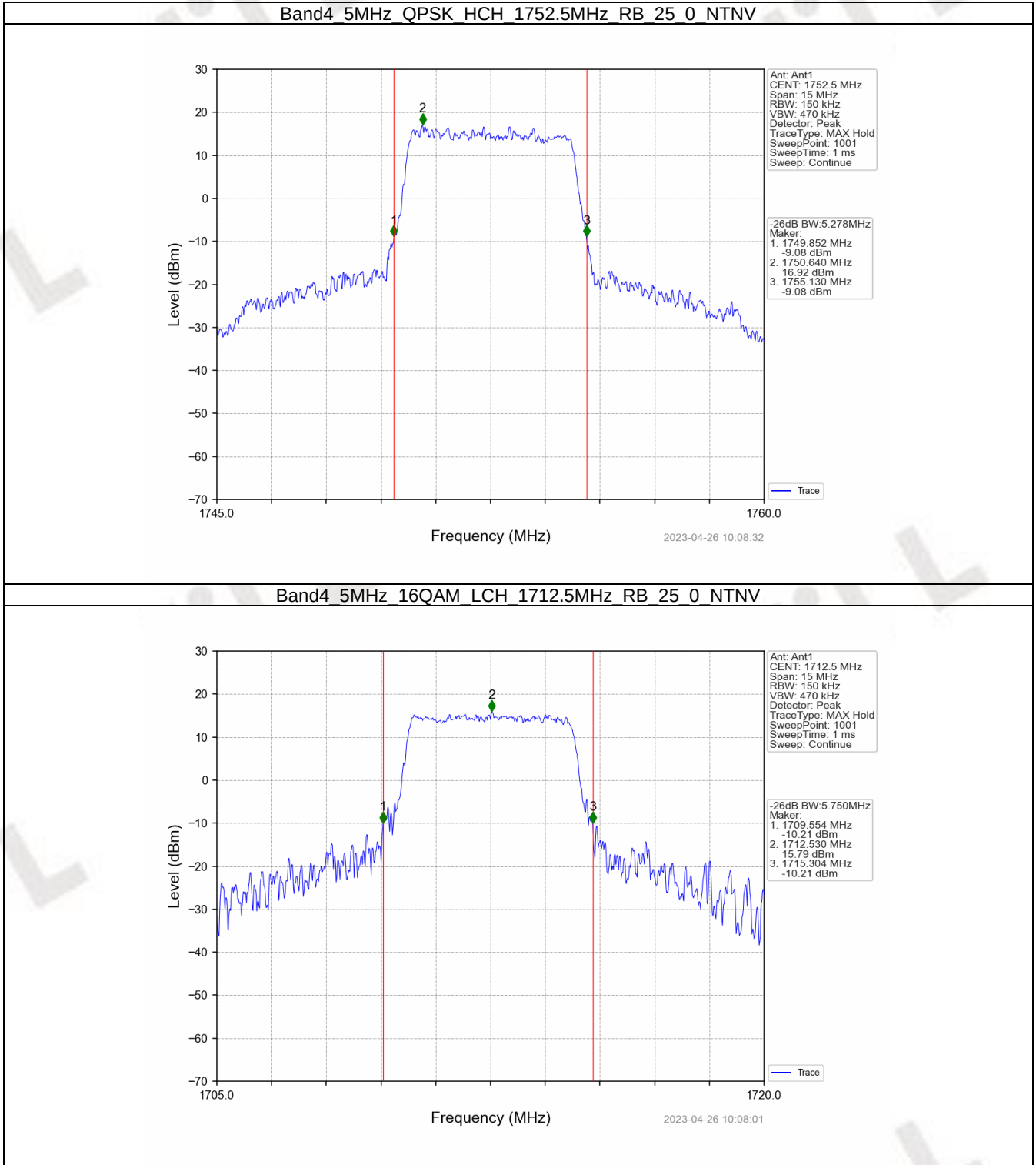


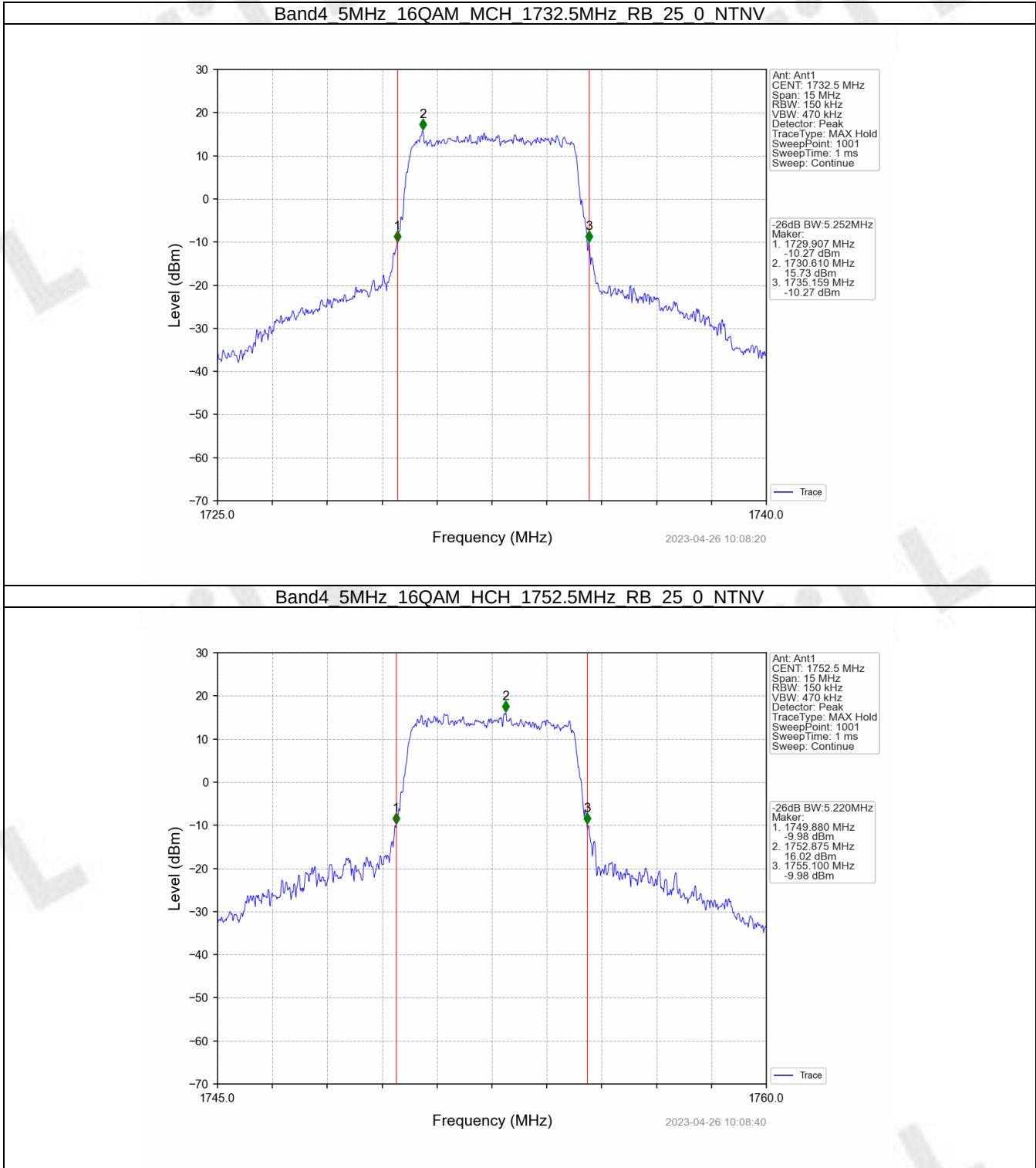
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN



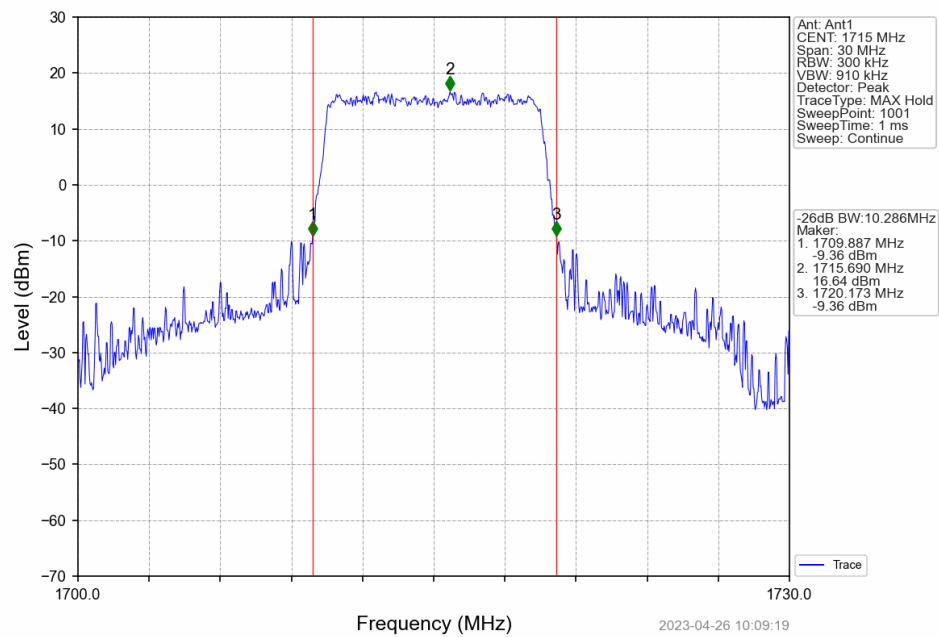
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTN



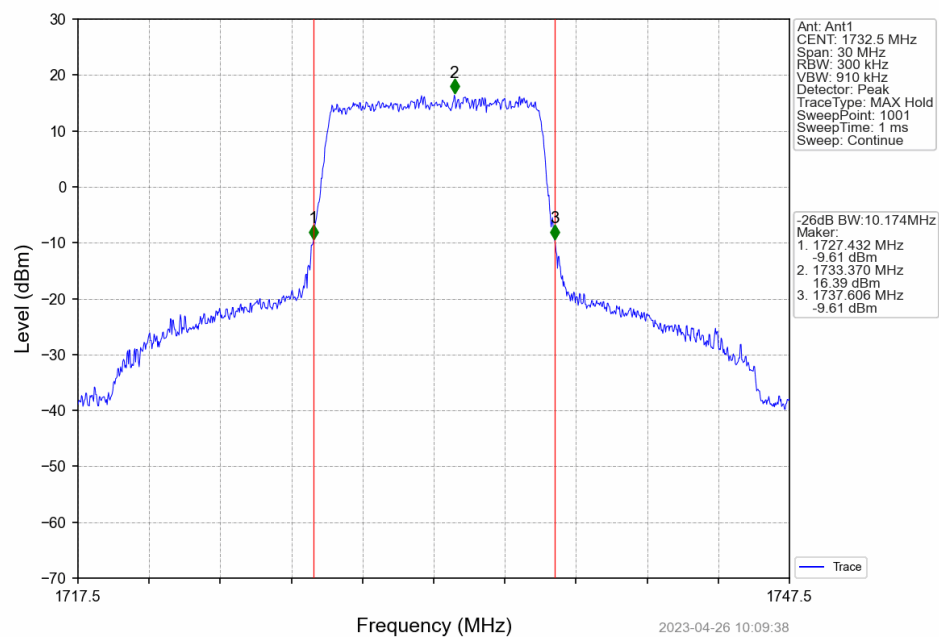




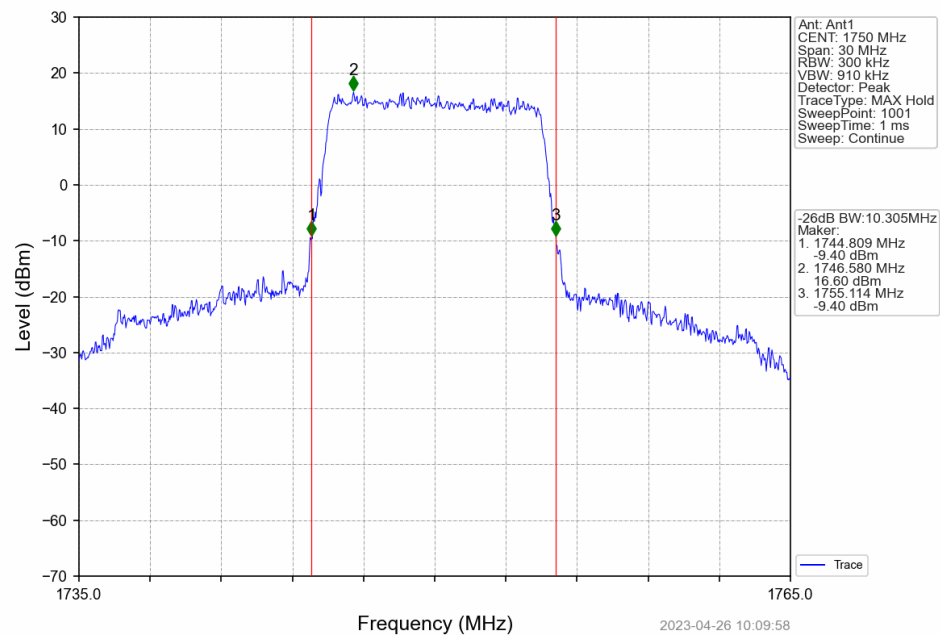
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



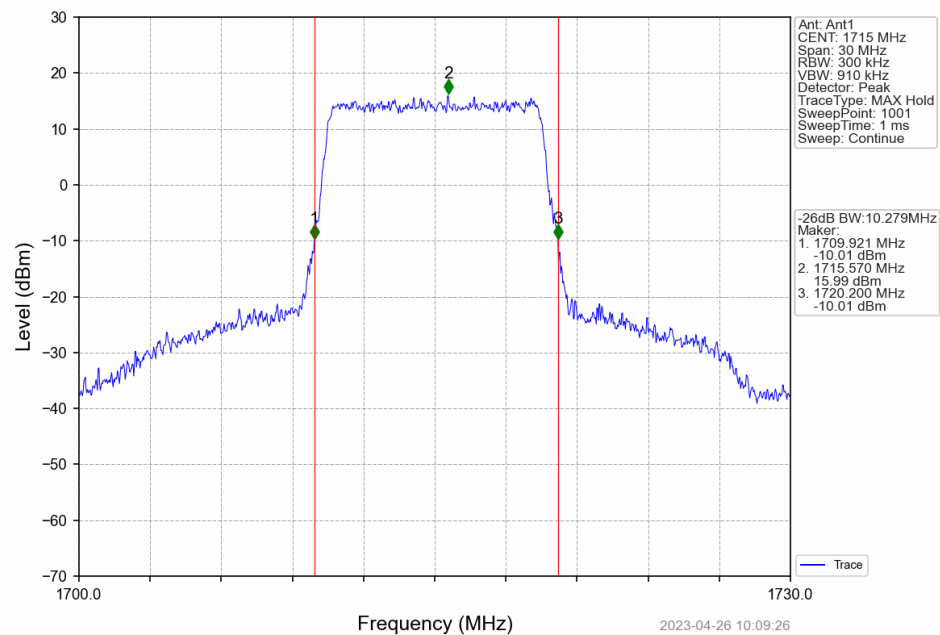
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN

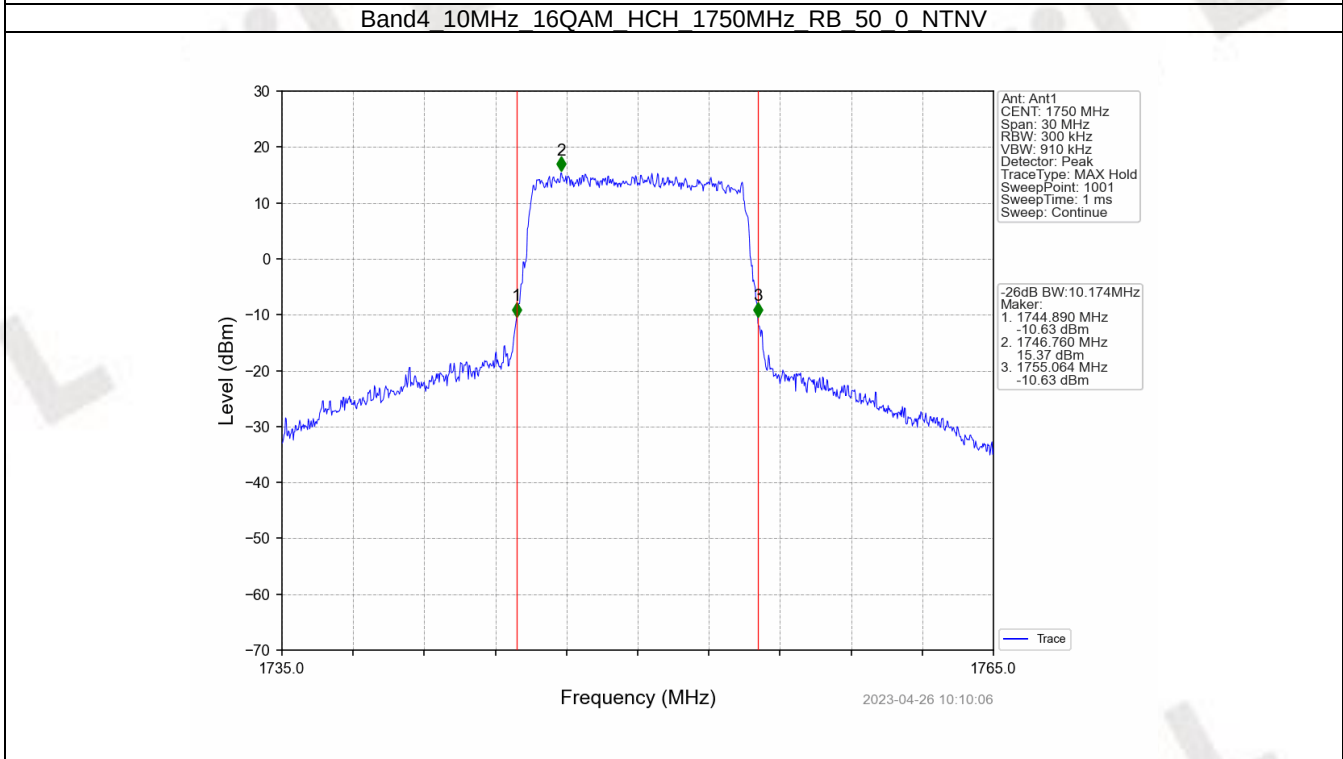
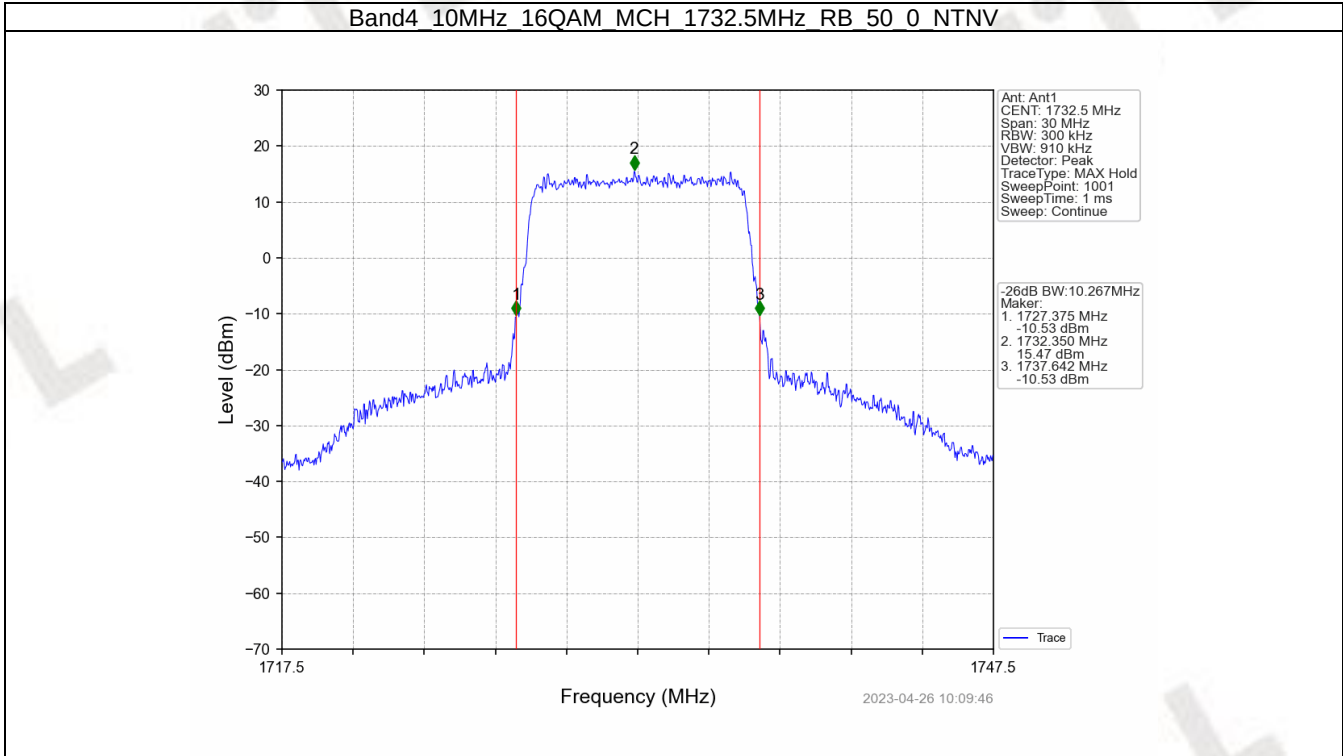


Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV

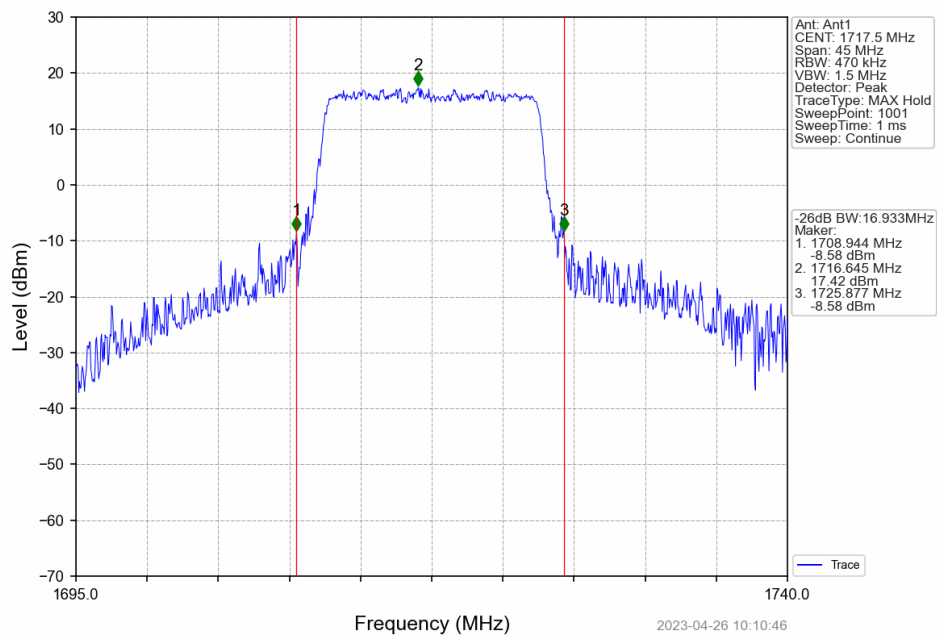


Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV

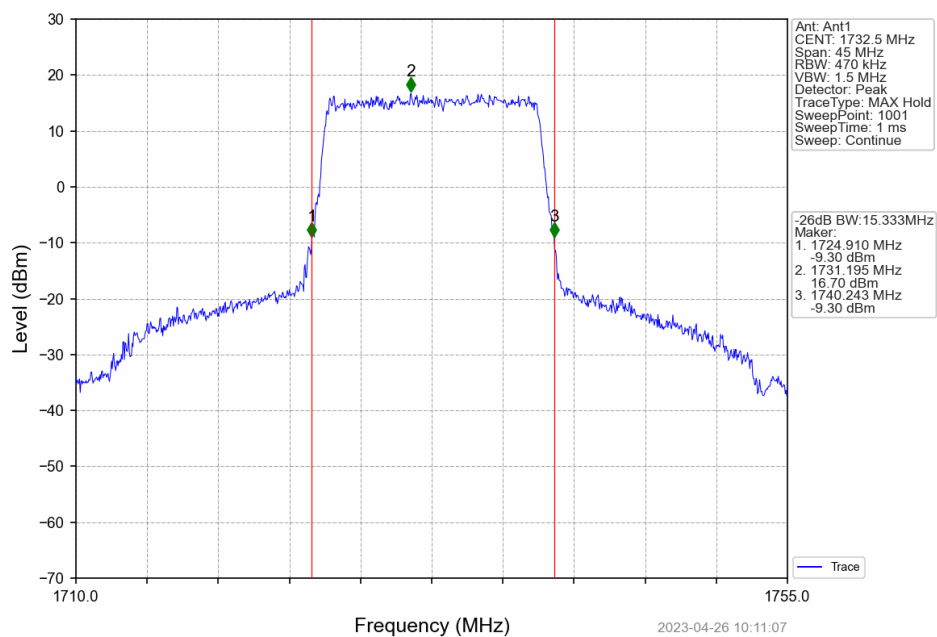


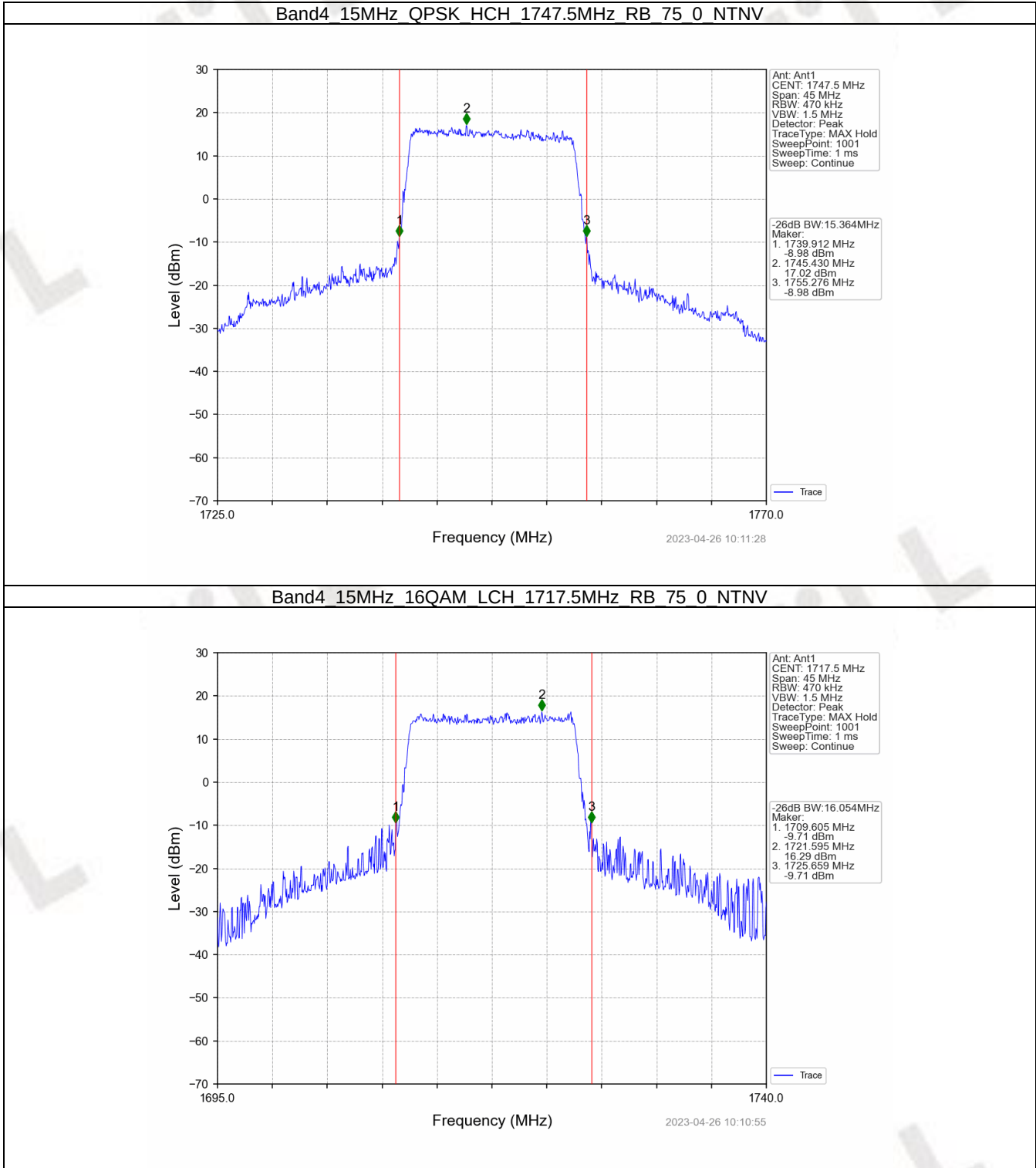


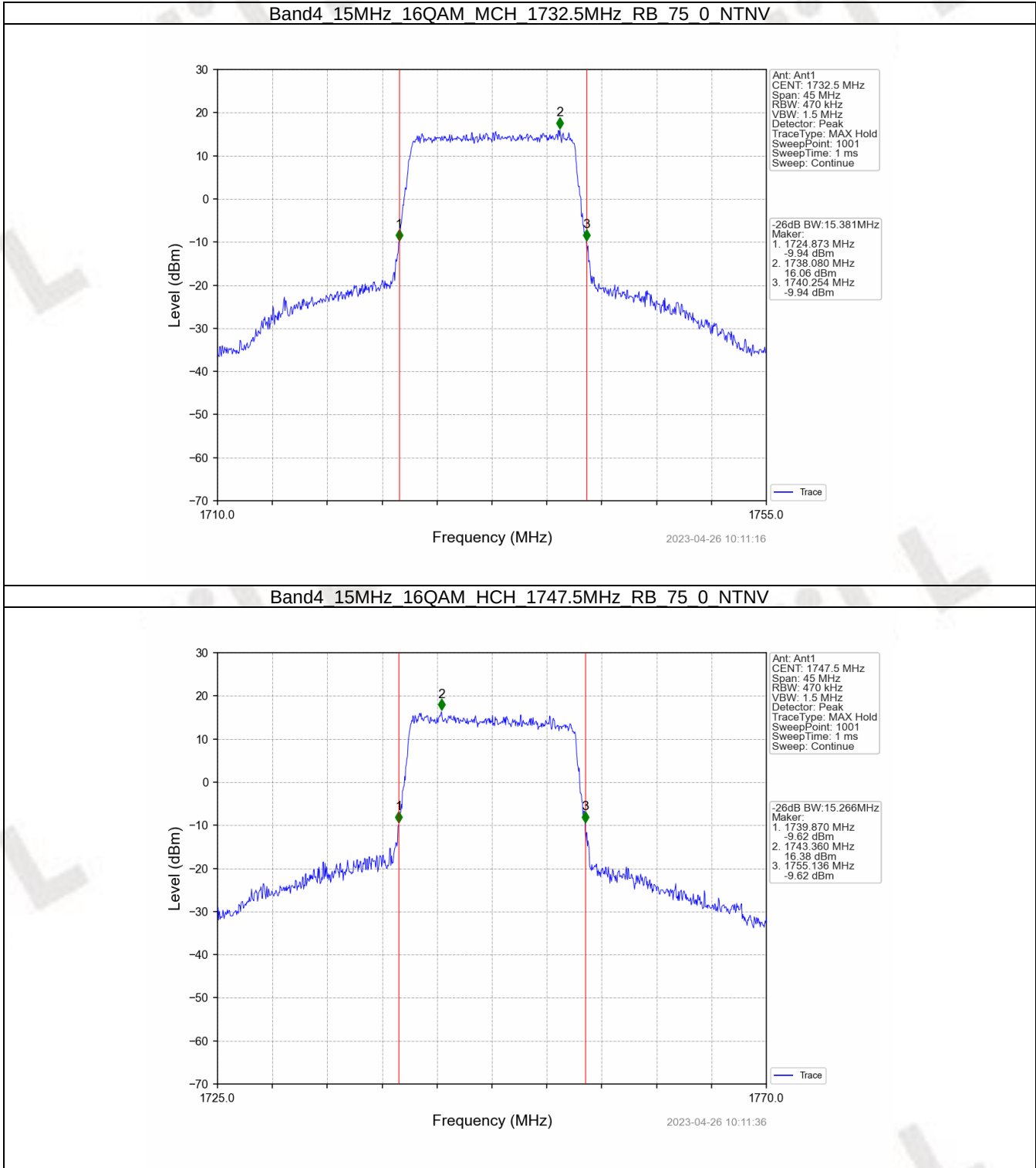
Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



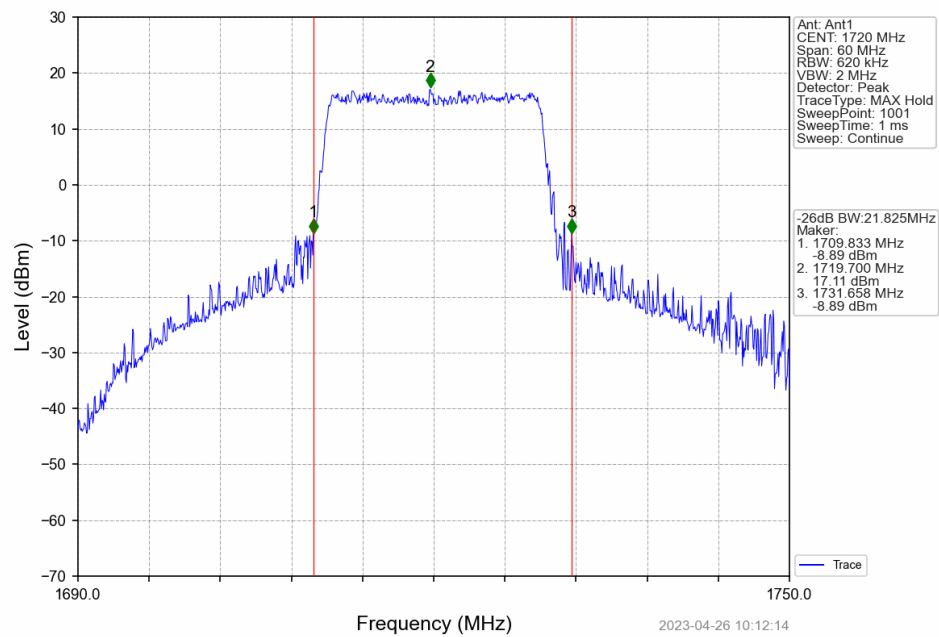
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



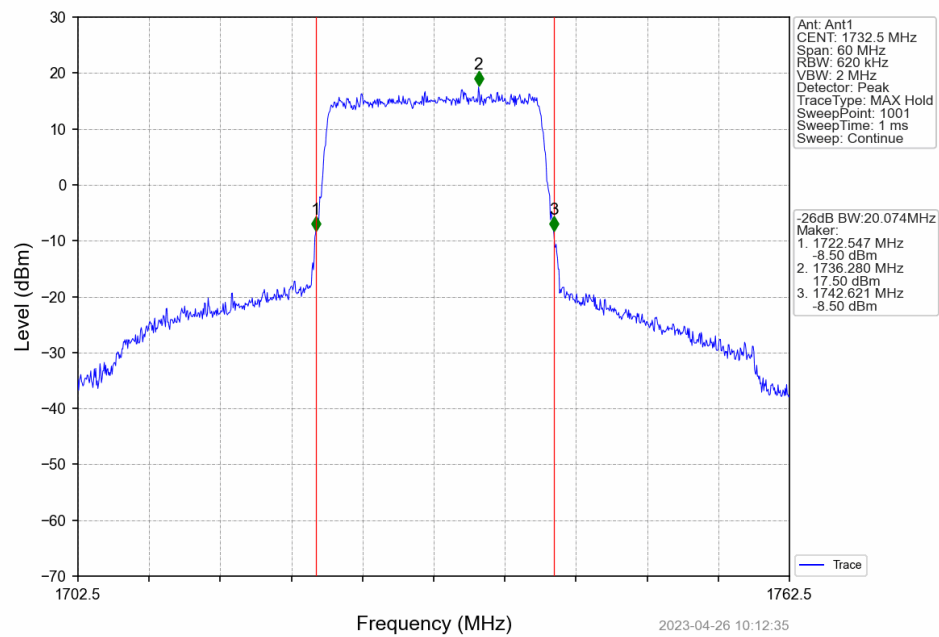


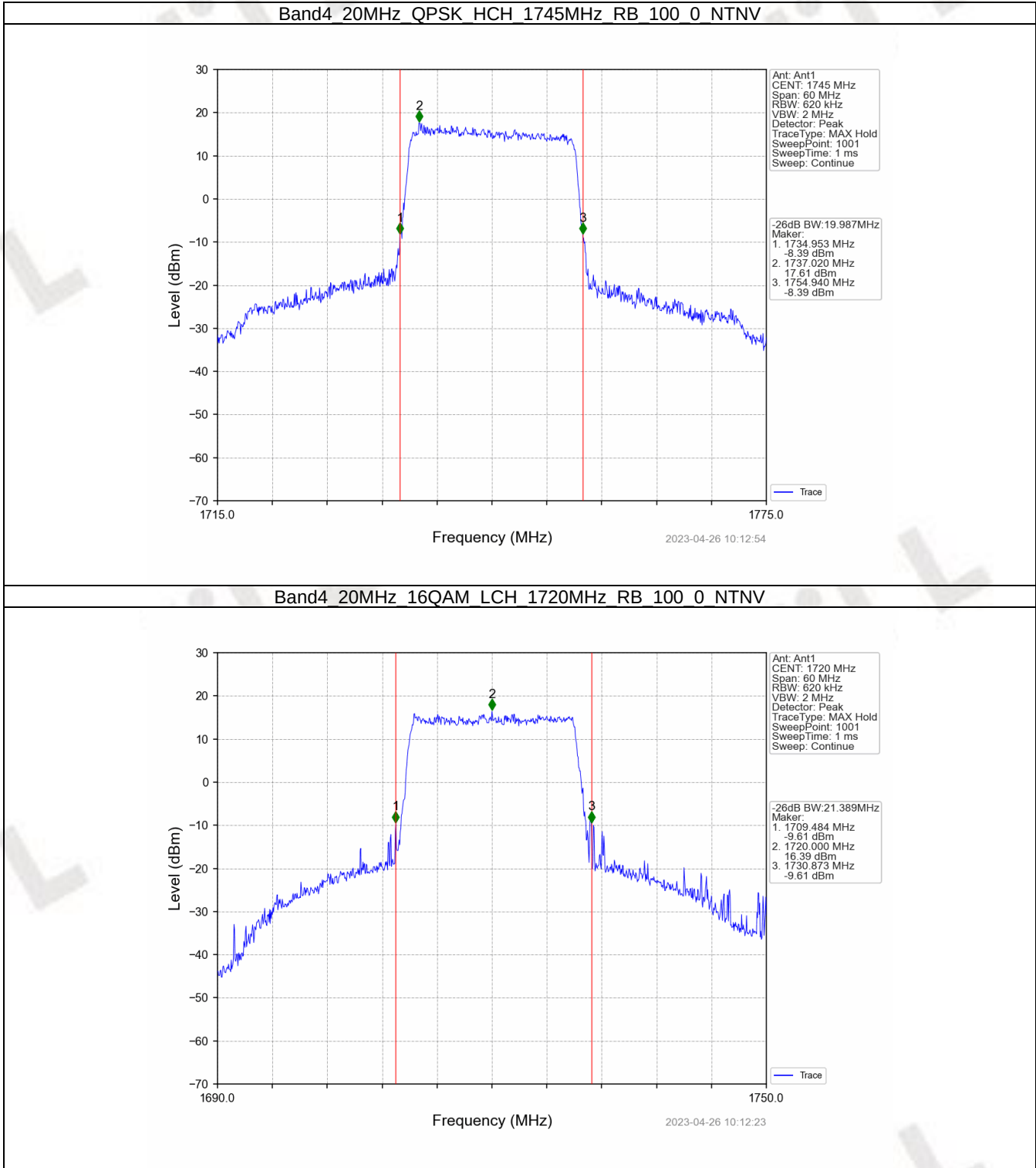


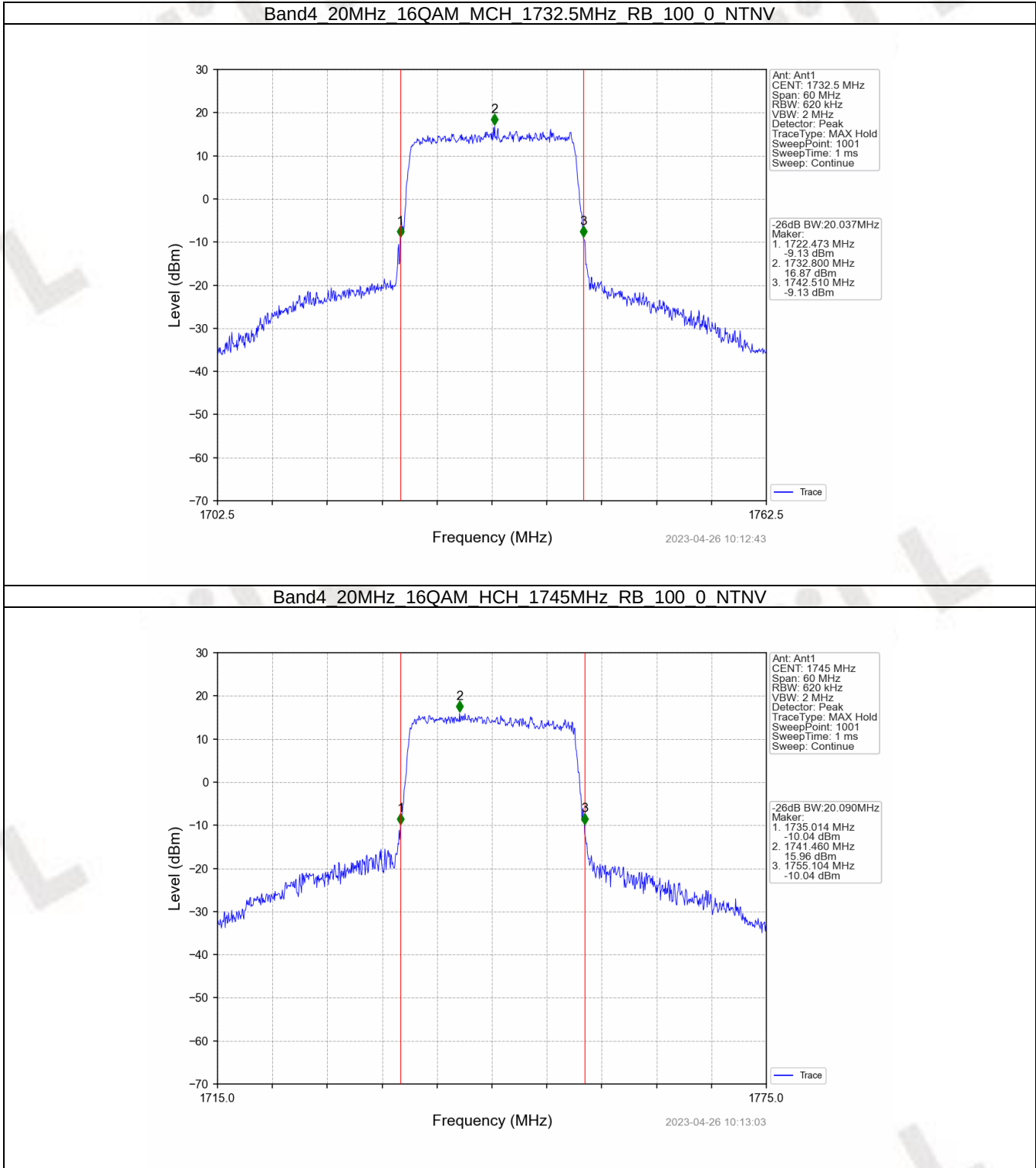
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV







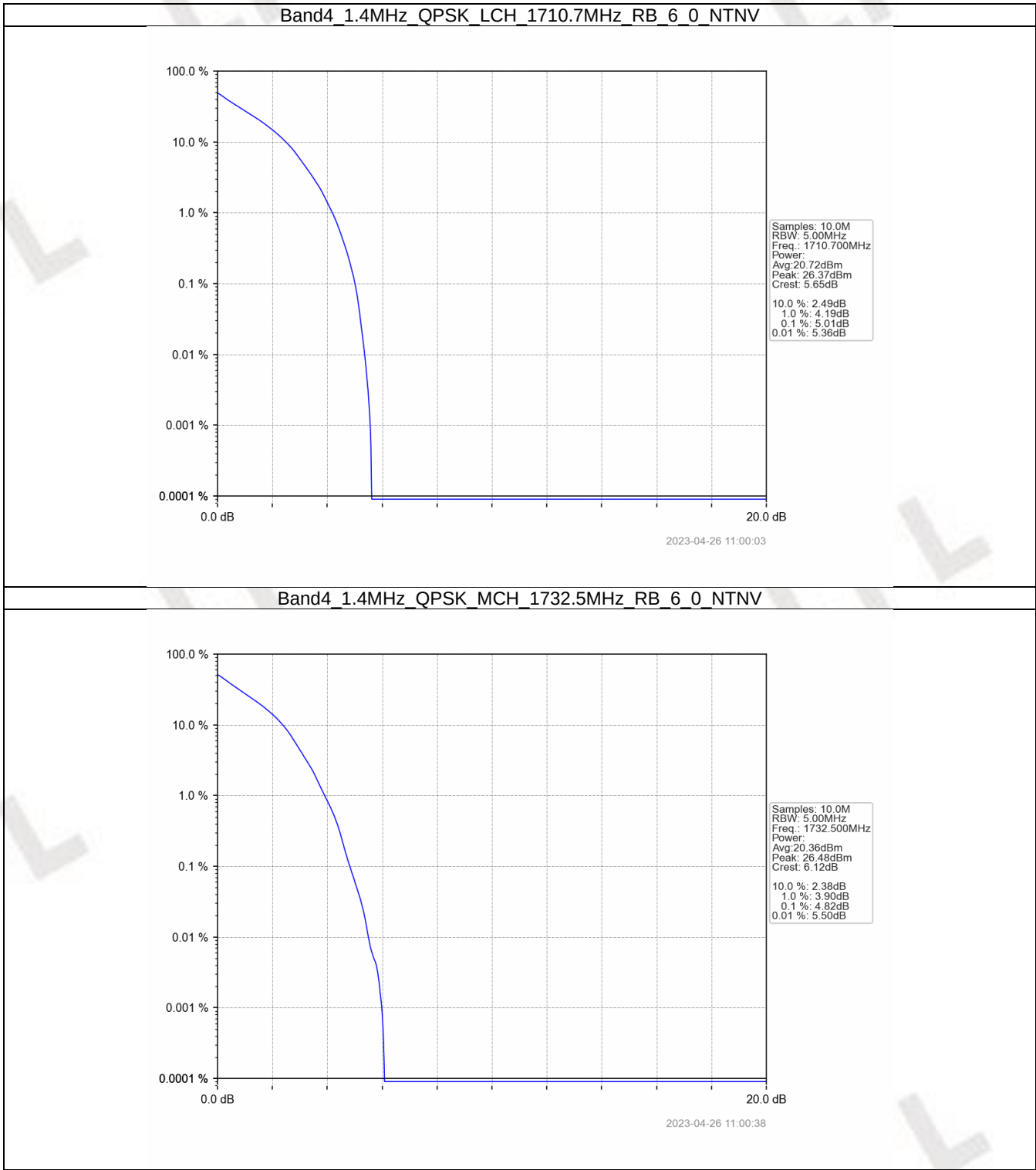
5. Peak-Average Ratio

5.1 B4_1.4MHz

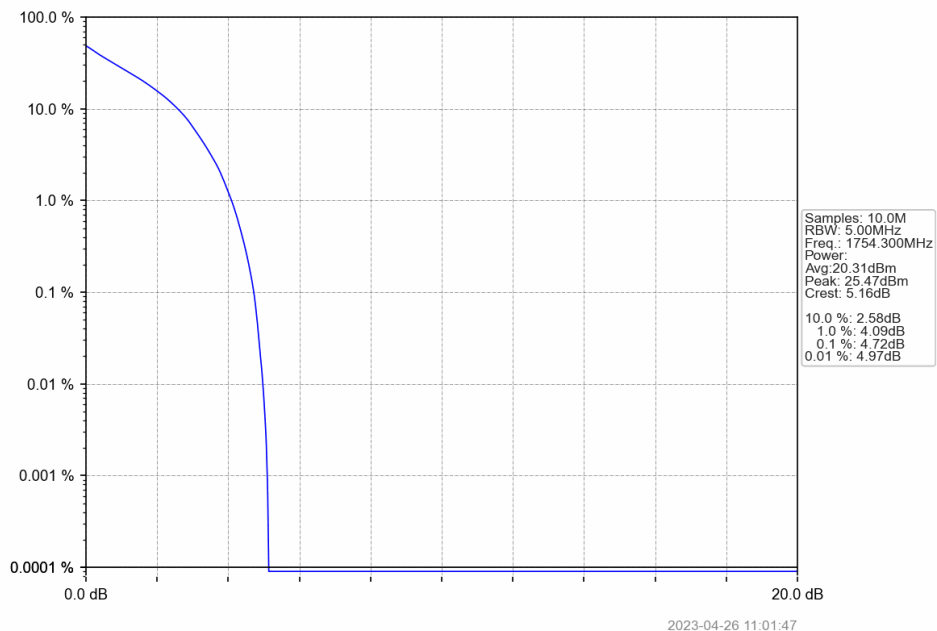
5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.01	<=13	Pass
	1732.5	6	0	4.82	<=13	Pass
	1754.3	6	0	4.72	<=13	Pass
16QAM	1710.7	6	0	5.76	<=13	Pass
	1732.5	6	0	5.65	<=13	Pass
	1754.3	6	0	5.53	<=13	Pass

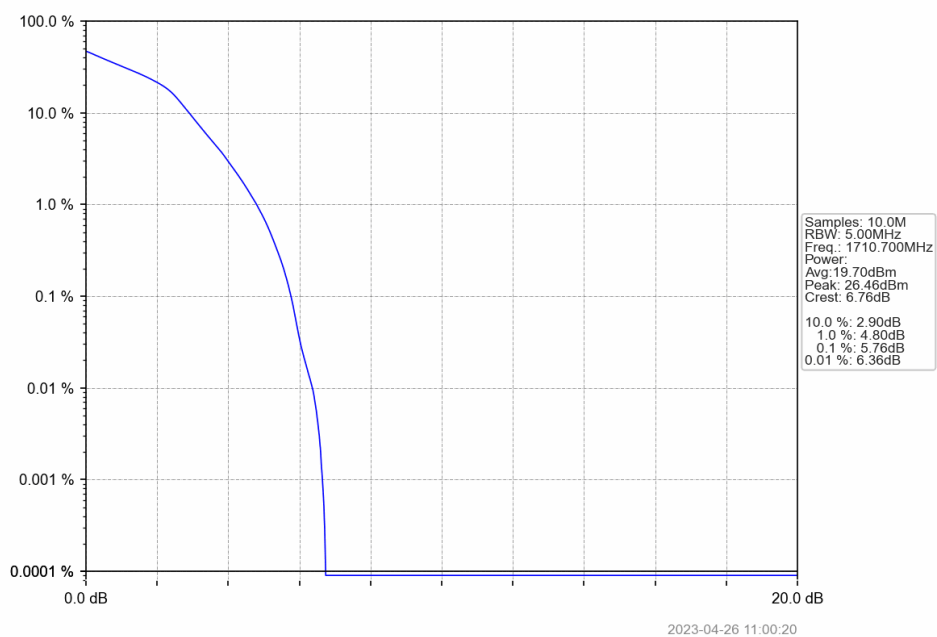
5.1.2 Test Graph



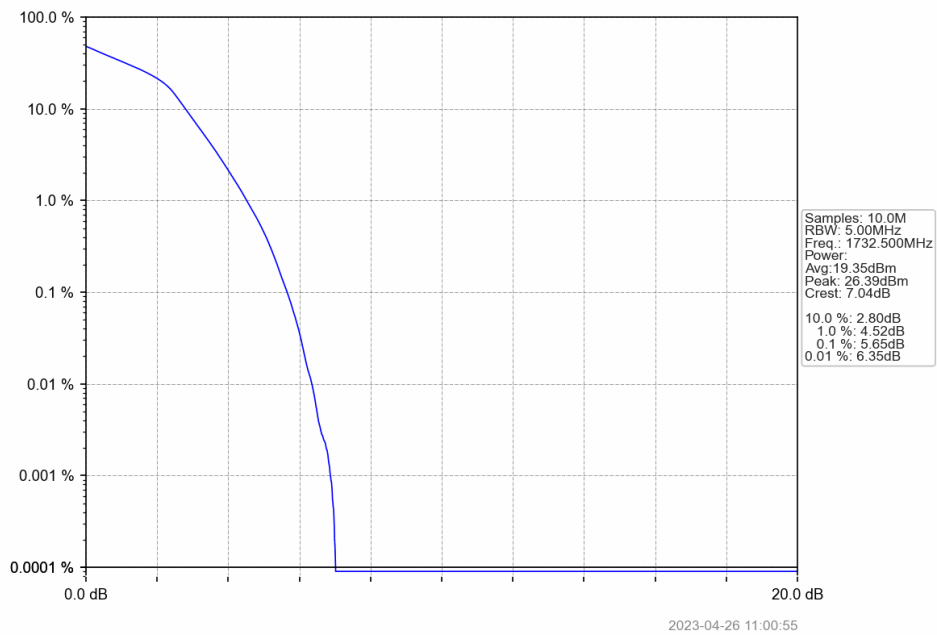
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



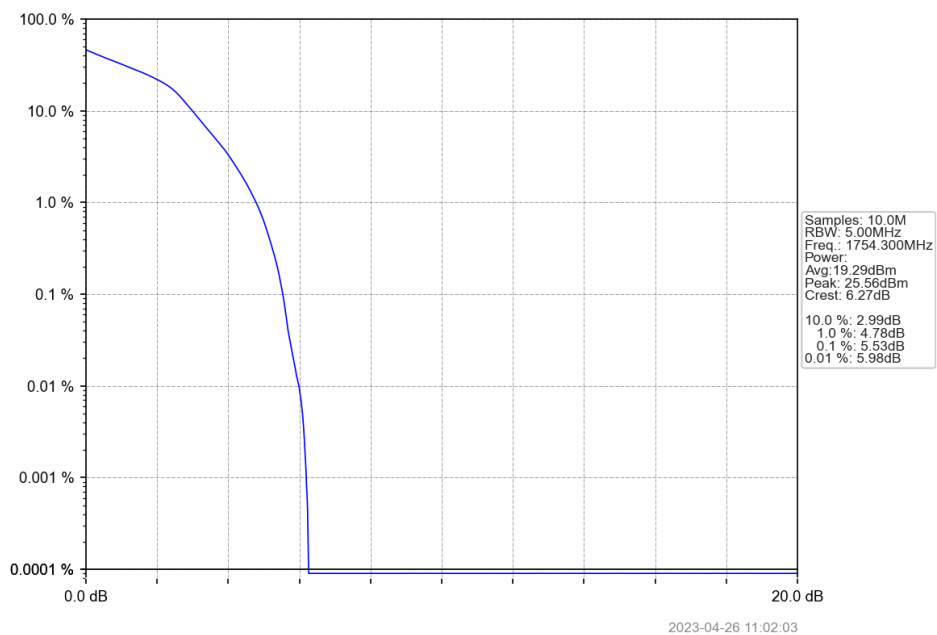
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

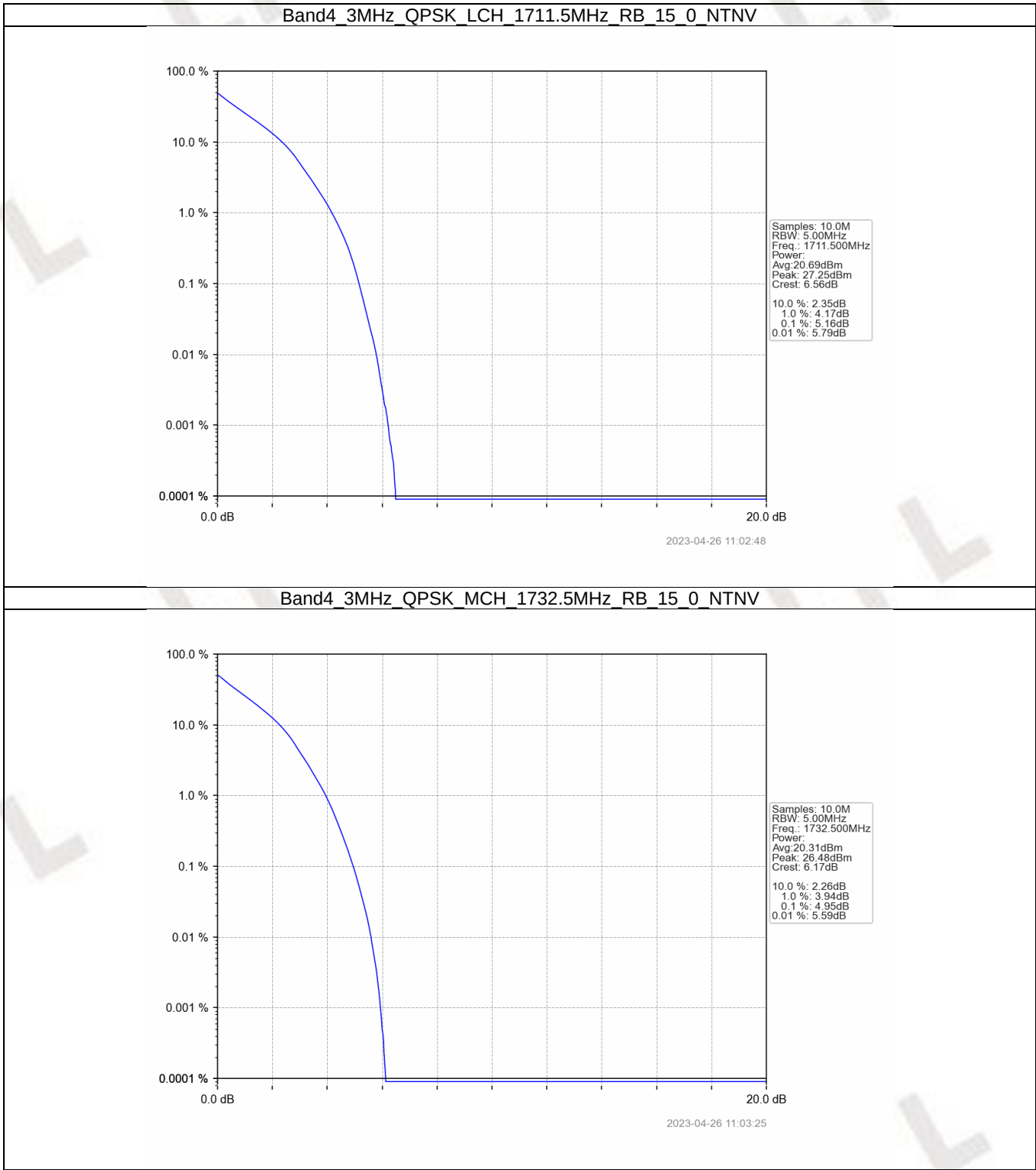


5.2 B4_3MHz

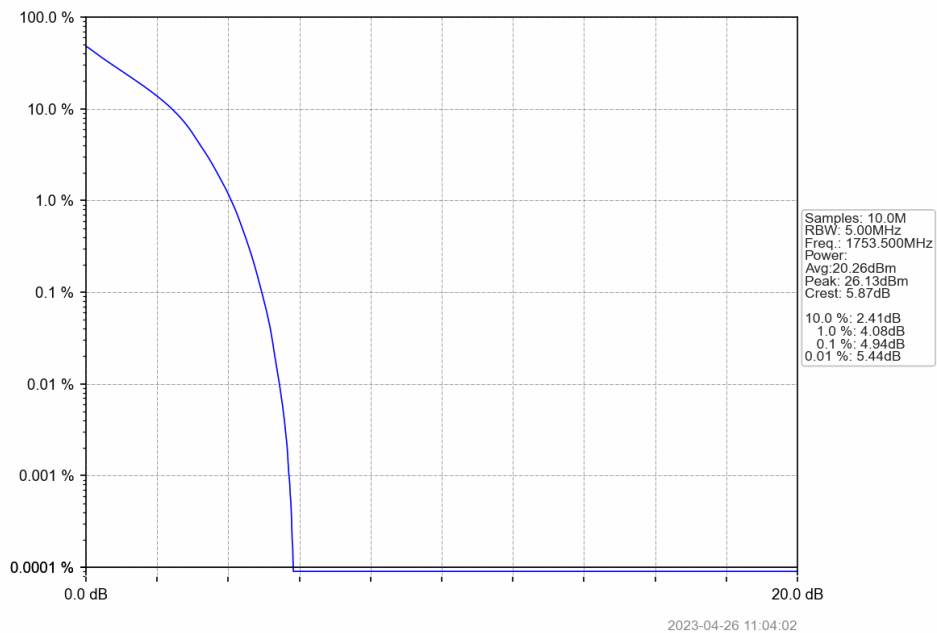
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.16	<=13	Pass
	1732.5	15	0	4.95	<=13	Pass
	1753.5	15	0	4.94	<=13	Pass
16QAM	1711.5	15	0	5.90	<=13	Pass
	1732.5	15	0	5.74	<=13	Pass
	1753.5	15	0	5.74	<=13	Pass

5.2.2 Test Graph



Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTV

