

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	22.33	1.51	23.84	<=30	Pass
			2	22.32	1.51	23.83	<=30	Pass
			5	22.36	1.51	23.87	<=30	Pass
		3	0	22.36	1.51	23.87	<=30	Pass
			2	22.37	1.51	23.88	<=30	Pass
			3	22.37	1.51	23.88	<=30	Pass
		6	0	21.38	1.51	22.89	<=30	Pass
	1732.5	1	0	21.94	1.51	23.45	<=30	Pass
			2	21.91	1.51	23.42	<=30	Pass
			5	21.93	1.51	23.44	<=30	Pass
		3	0	22.54	1.51	24.05	<=30	Pass
			2	22.51	1.51	24.02	<=30	Pass
			3	22.48	1.51	23.99	<=30	Pass
		6	0	21.51	1.51	23.02	<=30	Pass
	1754.3	1	0	22.17	1.51	23.68	<=30	Pass
			2	22.14	1.51	23.65	<=30	Pass
			5	22.16	1.51	23.67	<=30	Pass
		3	0	22.26	1.51	23.77	<=30	Pass
			2	22.24	1.51	23.75	<=30	Pass
			3	22.22	1.51	23.73	<=30	Pass
		6	0	21.22	1.51	22.73	<=30	Pass
16QAM	1710.7	1	0	21.03	1.51	22.54	<=30	Pass
			2	21.05	1.51	22.56	<=30	Pass
			5	21.02	1.51	22.53	<=30	Pass
		3	0	21.35	1.51	22.86	<=30	Pass
			2	21.35	1.51	22.86	<=30	Pass
			3	21.35	1.51	22.86	<=30	Pass
		6	0	20.42	1.51	21.93	<=30	Pass
	1732.5	1	0	21.01	1.51	22.52	<=30	Pass
			2	20.98	1.51	22.49	<=30	Pass
			5	20.97	1.51	22.48	<=30	Pass
		3	0	21.66	1.51	23.17	<=30	Pass
			2	21.63	1.51	23.14	<=30	Pass
			3	21.65	1.51	23.16	<=30	Pass
		6	0	20.50	1.51	22.01	<=30	Pass
	1754.3	1	0	21.18	1.51	22.69	<=30	Pass
			2	21.13	1.51	22.64	<=30	Pass
			5	21.16	1.51	22.67	<=30	Pass
		3	0	21.37	1.51	22.88	<=30	Pass
			2	21.39	1.51	22.90	<=30	Pass
			3	21.38	1.51	22.89	<=30	Pass
		6	0	20.20	1.51	21.71	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

16QAM	1732.5	25	6	21.39	1.51	22.90	<=30	Pass
			13	21.38	1.51	22.89	<=30	Pass
			0	21.40	1.51	22.91	<=30	Pass
		1	0	22.06	1.51	23.57	<=30	Pass
			13	21.98	1.51	23.49	<=30	Pass
			24	22.10	1.51	23.61	<=30	Pass
		12	0	21.58	1.51	23.09	<=30	Pass
			6	21.52	1.51	23.03	<=30	Pass
			13	21.51	1.51	23.02	<=30	Pass
		25	0	21.53	1.51	23.04	<=30	Pass
	1752.5	1	0	21.94	1.51	23.45	<=30	Pass
			13	21.84	1.51	23.35	<=30	Pass
			24	21.88	1.51	23.39	<=30	Pass
		12	0	21.22	1.51	22.73	<=30	Pass
			6	21.23	1.51	22.74	<=30	Pass
			13	21.24	1.51	22.75	<=30	Pass
		25	0	21.26	1.51	22.77	<=30	Pass
	1712.5	1	0	21.05	1.51	22.56	<=30	Pass
			13	20.96	1.51	22.47	<=30	Pass
			24	21.04	1.51	22.55	<=30	Pass
		12	0	20.33	1.51	21.84	<=30	Pass
			6	20.34	1.51	21.85	<=30	Pass
			13	20.35	1.51	21.86	<=30	Pass
		25	0	20.42	1.51	21.93	<=30	Pass
	1732.5	1	0	21.35	1.51	22.86	<=30	Pass
			13	21.27	1.51	22.78	<=30	Pass
			24	21.36	1.51	22.87	<=30	Pass
		12	0	20.60	1.51	22.11	<=30	Pass
			6	20.53	1.51	22.04	<=30	Pass
			13	20.52	1.51	22.03	<=30	Pass
		25	0	20.55	1.51	22.06	<=30	Pass
	1752.5	1	0	20.72	1.51	22.23	<=30	Pass
			13	20.59	1.51	22.10	<=30	Pass
			24	20.65	1.51	22.16	<=30	Pass
		12	0	20.22	1.51	21.73	<=30	Pass
			6	20.24	1.51	21.75	<=30	Pass
			13	20.25	1.51	21.76	<=30	Pass
		25	0	20.30	1.51	21.81	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	21.92	1.51	23.43	<=30	Pass
			25	21.89	1.51	23.40	<=30	Pass
			49	21.98	1.51	23.49	<=30	Pass
		25	0	21.35	1.51	22.86	<=30	Pass
			13	21.42	1.51	22.93	<=30	Pass
			25	21.54	1.51	23.05	<=30	Pass
		50	0	21.47	1.51	22.98	<=30	Pass
	1732.5	1	0	21.97	1.51	23.48	<=30	Pass
			25	22.02	1.51	23.53	<=30	Pass
			49	22.00	1.51	23.51	<=30	Pass
		25	0	21.55	1.51	23.06	<=30	Pass
			13	21.56	1.51	23.07	<=30	Pass

			25	21.49	1.51	23.00	<=30	Pass	
		50	0	21.53	1.51	23.04	<=30	Pass	
	1750	1	0	21.86	1.51	23.37	<=30	Pass	
			25	21.75	1.51	23.26	<=30	Pass	
			49	21.75	1.51	23.26	<=30	Pass	
		25	0	21.25	1.51	22.76	<=30	Pass	
			13	21.26	1.51	22.77	<=30	Pass	
			25	21.32	1.51	22.83	<=30	Pass	
		50	0	21.33	1.51	22.84	<=30	Pass	
16QAM	1715	1	0	20.93	1.51	22.44	<=30	Pass	
			25	20.90	1.51	22.41	<=30	Pass	
			49	21.01	1.51	22.52	<=30	Pass	
		25	0	20.41	1.51	21.92	<=30	Pass	
			13	20.46	1.51	21.97	<=30	Pass	
			25	20.62	1.51	22.13	<=30	Pass	
		50	0	20.47	1.51	21.98	<=30	Pass	
	1732.5	1	0	21.20	1.51	22.71	<=30	Pass	
			25	21.21	1.51	22.72	<=30	Pass	
			49	21.21	1.51	22.72	<=30	Pass	
		25	0	20.58	1.51	22.09	<=30	Pass	
			13	20.57	1.51	22.08	<=30	Pass	
			25	20.48	1.51	21.99	<=30	Pass	
		50	0	20.51	1.51	22.02	<=30	Pass	
	1750	1	0	21.43	1.51	22.94	<=30	Pass	
			25	21.33	1.51	22.84	<=30	Pass	
			49	21.33	1.51	22.84	<=30	Pass	
		25	0	20.33	1.51	21.84	<=30	Pass	
			13	20.31	1.51	21.82	<=30	Pass	
			25	20.39	1.51	21.90	<=30	Pass	
		50	0	20.34	1.51	21.85	<=30	Pass	
	Note1: EIRP=Conducted Power+Antenna Gain								

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	21.75	1.51	23.26	<=30	Pass
			38	21.82	1.51	23.33	<=30	Pass
			74	21.87	1.51	23.38	<=30	Pass
		36	0	21.28	1.51	22.79	<=30	Pass
			18	21.35	1.51	22.86	<=30	Pass
			39	21.49	1.51	23.00	<=30	Pass
		75	0	21.41	1.51	22.92	<=30	Pass
			0	21.87	1.51	23.38	<=30	Pass
			38	21.97	1.51	23.48	<=30	Pass
		36	74	21.91	1.51	23.42	<=30	Pass
			0	21.47	1.51	22.98	<=30	Pass
			18	21.46	1.51	22.97	<=30	Pass
	1732.5	1	39	21.44	1.51	22.95	<=30	Pass
			0	21.45	1.51	22.96	<=30	Pass
			0	21.81	1.51	23.32	<=30	Pass
		36	38	21.81	1.51	23.32	<=30	Pass
			74	21.64	1.51	23.15	<=30	Pass
			0	21.31	1.51	22.82	<=30	Pass
		75	18	21.29	1.51	22.80	<=30	Pass
			39	21.29	1.51	22.80	<=30	Pass
			0	21.29	1.51	22.80	<=30	Pass

		75	0	21.34	1.51	22.85	<=30	Pass
16QAM	1717.5	1	0	21.20	1.51	22.71	<=30	Pass
			38	21.24	1.51	22.75	<=30	Pass
			74	21.34	1.51	22.85	<=30	Pass
			0	20.26	1.51	21.77	<=30	Pass
		36	18	20.35	1.51	21.86	<=30	Pass
			39	20.49	1.51	22.00	<=30	Pass
			75	0	20.41	1.51	21.92	<=30
	1732.5	1	0	21.10	1.51	22.61	<=30	Pass
			38	21.19	1.51	22.70	<=30	Pass
			74	21.12	1.51	22.63	<=30	Pass
		36	0	20.52	1.51	22.03	<=30	Pass
			18	20.51	1.51	22.02	<=30	Pass
			39	20.46	1.51	21.97	<=30	Pass
		75	0	20.50	1.51	22.01	<=30	Pass
	1747.5	1	0	21.43	1.51	22.94	<=30	Pass
			38	21.46	1.51	22.97	<=30	Pass
			74	21.26	1.51	22.77	<=30	Pass
		36	0	20.36	1.51	21.87	<=30	Pass
			18	20.33	1.51	21.84	<=30	Pass
			39	20.32	1.51	21.83	<=30	Pass
		75	0	20.34	1.51	21.85	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	21.77	1.51	23.28	<=30	Pass
			50	21.89	1.51	23.40	<=30	Pass
			99	21.93	1.51	23.44	<=30	Pass
		50	0	21.23	1.51	22.74	<=30	Pass
			25	21.51	1.51	23.02	<=30	Pass
			50	21.62	1.51	23.13	<=30	Pass
		100	0	21.47	1.51	22.98	<=30	Pass
	1732.5	1	0	21.90	1.51	23.41	<=30	Pass
			50	22.02	1.51	23.53	<=30	Pass
			99	21.86	1.51	23.37	<=30	Pass
		50	0	21.48	1.51	22.99	<=30	Pass
			25	21.53	1.51	23.04	<=30	Pass
			50	21.43	1.51	22.94	<=30	Pass
		100	0	21.41	1.51	22.92	<=30	Pass
	1745	1	0	21.95	1.51	23.46	<=30	Pass
			50	21.91	1.51	23.42	<=30	Pass
			99	21.68	1.51	23.19	<=30	Pass
		50	0	21.44	1.51	22.95	<=30	Pass
			25	21.39	1.51	22.90	<=30	Pass
			50	21.39	1.51	22.90	<=30	Pass
		100	0	21.40	1.51	22.91	<=30	Pass
16QAM	1720	1	0	21.38	1.51	22.89	<=30	Pass
			50	21.48	1.51	22.99	<=30	Pass
			99	21.61	1.51	23.12	<=30	Pass
		50	0	20.18	1.51	21.69	<=30	Pass
			25	20.47	1.51	21.98	<=30	Pass
			50	20.60	1.51	22.11	<=30	Pass
		100	0	20.44	1.51	21.95	<=30	Pass

	1732.5	1	0	21.15	1.51	22.66	<=30	Pass
			50	21.25	1.51	22.76	<=30	Pass
			99	21.09	1.51	22.60	<=30	Pass
		50	0	20.45	1.51	21.96	<=30	Pass
			25	20.49	1.51	22.00	<=30	Pass
			50	20.43	1.51	21.94	<=30	Pass
		100	0	20.41	1.51	21.92	<=30	Pass
	1745	1	0	21.26	1.51	22.77	<=30	Pass
			50	21.17	1.51	22.68	<=30	Pass
			99	20.99	1.51	22.50	<=30	Pass
		50	0	20.42	1.51	21.93	<=30	Pass
			25	20.36	1.51	21.87	<=30	Pass
			50	20.33	1.51	21.84	<=30	Pass
		100	0	20.40	1.51	21.91	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

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	1.688	0.0010	-2.5 to 2.5	Pass
					3.85	4.692	0.0027	-2.5 to 2.5	Pass
					4.43	6.351	0.0037	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	12.217	0.0071	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	8.125	0.0047	-2.5 to 2.5	Pass
				30	3.85	4.263	0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.721	-0.0028	-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	-0.815	-0.0005	-2.5 to 2.5	Pass
					3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
					4.43	4.721	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				0	3.85	2.532	0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				40	3.85	1.302	0.0008	-2.5 to 2.5	Pass
				50	3.85	-7.939	-0.0046	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-4.649	-0.0027	-2.5 to 2.5	Pass
					3.85	4.864	0.0028	-2.5 to 2.5	Pass
					4.43	7.882	0.0045	-2.5 to 2.5	Pass
				-30	3.85	-5.293	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	4.921	0.0028	-2.5 to 2.5	Pass
				-10	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.831	-0.0010	-2.5 to 2.5	Pass
				10	3.85	8.297	0.0047	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	30	3.85	4.535	0.0026	-2.5 to 2.5	Pass
				40	3.85	2.861	0.0016	-2.5 to 2.5	Pass
				50	3.85	12.159	0.0069	-2.5 to 2.5	Pass
				20	3.27	5.507	0.0032	-2.5 to 2.5	Pass
					3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
					4.43	0.386	0.0002	-2.5 to 2.5	Pass
				-30	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.459	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
				10	3.85	4.992	0.0029	-2.5 to 2.5	Pass
				30	3.85	-3.519	-0.0021	-2.5 to 2.5	Pass
				40	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				50	3.85	-10.958	-0.0064	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	0.215	0.0001	-2.5 to 2.5	Pass
					3.85	0.401	0.0002	-2.5 to 2.5	Pass
					4.43	-4.921	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	4.463	0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
				10	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				40	3.85	7.424	0.0043	-2.5 to 2.5	Pass
				50	3.85	1.001	0.0006	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	5.164	0.0029	-2.5 to 2.5	Pass
					3.85	11.787	0.0067	-2.5 to 2.5	Pass
					4.43	1.903	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	5.021	0.0029	-2.5 to 2.5	Pass
				-10	3.85	13.518	0.0077	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				10	3.85	12.517	0.0071	-2.5 to 2.5	Pass
				30	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				50	3.85	12.488	0.0071	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

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	0.143	0.0001	-2.5 to 2.5	Pass
					3.85	-8.626	-0.0050	-2.5 to 2.5	Pass
					4.43	3.963	0.0023	-2.5 to 2.5	Pass
				-30	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-7.710	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				50	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-1.330	-0.0008	-2.5 to 2.5	Pass
					3.85	3.548	0.0020	-2.5 to 2.5	Pass
					4.43	5.479	0.0032	-2.5 to 2.5	Pass
				-30	3.85	3.362	0.0019	-2.5 to 2.5	Pass

				-20	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
				30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				40	3.85	8.655	0.0050	-2.5 to 2.5	Pass
				50	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	4.406	0.0025	-2.5 to 2.5	Pass
					3.85	10.529	0.0060	-2.5 to 2.5	Pass
					4.43	5.164	0.0029	-2.5 to 2.5	Pass
				-30	3.85	3.262	0.0019	-2.5 to 2.5	Pass
				-20	3.85	5.493	0.0031	-2.5 to 2.5	Pass
				-10	3.85	3.762	0.0021	-2.5 to 2.5	Pass
				0	3.85	8.855	0.0050	-2.5 to 2.5	Pass
				10	3.85	-1.130	-0.0006	-2.5 to 2.5	Pass
				30	3.85	9.127	0.0052	-2.5 to 2.5	Pass
				40	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				50	3.85	12.832	0.0073	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	3.777	0.0022	-2.5 to 2.5	Pass
					3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
					4.43	2.947	0.0017	-2.5 to 2.5	Pass
				-30	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				10	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				30	3.85	-10.915	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-3.490	-0.0020	-2.5 to 2.5	Pass
					3.85	11.816	0.0068	-2.5 to 2.5	Pass
					4.43	7.110	0.0041	-2.5 to 2.5	Pass
				-30	3.85	5.150	0.0030	-2.5 to 2.5	Pass
				-20	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				10	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	3.85	7.696	0.0044	-2.5 to 2.5	Pass
				50	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	0.615	0.0004	-2.5 to 2.5	Pass
					3.85	2.089	0.0012	-2.5 to 2.5	Pass
					4.43	3.548	0.0020	-2.5 to 2.5	Pass
				-30	3.85	3.934	0.0022	-2.5 to 2.5	Pass
				-20	3.85	9.756	0.0056	-2.5 to 2.5	Pass
				-10	3.85	10.571	0.0060	-2.5 to 2.5	Pass
				0	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				10	3.85	15.192	0.0087	-2.5 to 2.5	Pass
				30	3.85	-1.488	-0.0008	-2.5 to 2.5	Pass
				40	3.85	6.380	0.0036	-2.5 to 2.5	Pass
				50	3.85	1.216	0.0007	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

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	7.067	0.0041	-2.5 to 2.5	Pass
					3.85	3.519	0.0021	-2.5 to 2.5	Pass
					4.43	1.030	0.0006	-2.5 to 2.5	Pass
				-30	3.85	8.898	0.0052	-2.5 to 2.5	Pass
				-20	3.85	6.852	0.0040	-2.5 to 2.5	Pass
				-10	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				0	3.85	11.187	0.0065	-2.5 to 2.5	Pass
				10	3.85	5.636	0.0033	-2.5 to 2.5	Pass
				30	3.85	8.283	0.0048	-2.5 to 2.5	Pass
	1732.5	25	0	40	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				50	3.85	4.978	0.0029	-2.5 to 2.5	Pass
				20	3.27	-7.353	-0.0042	-2.5 to 2.5	Pass
					3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
					4.43	-0.300	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-4.764	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	2.174	0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
	1752.5	25	0	10	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				40	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				20	3.27	6.866	0.0039	-2.5 to 2.5	Pass
					3.85	3.476	0.0020	-2.5 to 2.5	Pass
					4.43	5.407	0.0031	-2.5 to 2.5	Pass
				-30	3.85	12.703	0.0072	-2.5 to 2.5	Pass
				-20	3.85	5.937	0.0034	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	-10	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				0	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				10	3.85	7.567	0.0043	-2.5 to 2.5	Pass
				30	3.85	3.047	0.0017	-2.5 to 2.5	Pass
				40	3.85	9.685	0.0055	-2.5 to 2.5	Pass
				50	3.85	11.315	0.0065	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	2.460	0.0014	-2.5 to 2.5	Pass
					3.85	3.419	0.0020	-2.5 to 2.5	Pass
					4.43	1.531	0.0009	-2.5 to 2.5	Pass
				-30	3.85	7.625	0.0045	-2.5 to 2.5	Pass
				-20	3.85	9.542	0.0056	-2.5 to 2.5	Pass
				-10	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				0	3.85	7.281	0.0043	-2.5 to 2.5	Pass
				10	3.85	1.831	0.0011	-2.5 to 2.5	Pass
				30	3.85	4.778	0.0028	-2.5 to 2.5	Pass
	1752.5	25	0	40	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				50	3.85	6.709	0.0039	-2.5 to 2.5	Pass
				20	3.27	-1.659	-0.0010	-2.5 to 2.5	Pass
					3.85	0.157	0.0001	-2.5 to 2.5	Pass
					4.43	-5.908	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
	1752.5	25	0	10	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
	1752.5	25	0	50	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				20	3.27	12.031	0.0069	-2.5 to 2.5	Pass
					3.85	3.848	0.0022	-2.5 to 2.5	Pass
					4.43	3.319	0.0019	-2.5 to 2.5	Pass

				-30	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				-20	3.85	8.483	0.0048	-2.5 to 2.5	Pass
				-10	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				0	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				30	3.85	5.035	0.0029	-2.5 to 2.5	Pass
				40	3.85	7.410	0.0042	-2.5 to 2.5	Pass
				50	3.85	2.189	0.0012	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

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	3.176	0.0019	-2.5 to 2.5	Pass
					3.85	1.702	0.0010	-2.5 to 2.5	Pass
					4.43	1.516	0.0009	-2.5 to 2.5	Pass
				-30	3.85	3.977	0.0023	-2.5 to 2.5	Pass
				-20	3.85	4.864	0.0028	-2.5 to 2.5	Pass
				-10	3.85	4.077	0.0024	-2.5 to 2.5	Pass
				0	3.85	2.646	0.0015	-2.5 to 2.5	Pass
				10	3.85	3.405	0.0020	-2.5 to 2.5	Pass
				30	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				40	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				50	3.85	1.488	0.0009	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	0.243	0.0001	-2.5 to 2.5	Pass
					3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
					4.43	-2.718	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				10	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				30	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.717	0.0010	-2.5 to 2.5	Pass
					3.85	4.892	0.0028	-2.5 to 2.5	Pass
					4.43	3.390	0.0019	-2.5 to 2.5	Pass
				-30	3.85	3.276	0.0019	-2.5 to 2.5	Pass
				-20	3.85	7.296	0.0042	-2.5 to 2.5	Pass
				-10	3.85	6.638	0.0038	-2.5 to 2.5	Pass
				0	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				10	3.85	5.751	0.0033	-2.5 to 2.5	Pass
				30	3.85	7.181	0.0041	-2.5 to 2.5	Pass
				40	3.85	2.289	0.0013	-2.5 to 2.5	Pass
				50	3.85	6.166	0.0035	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-0.329	-0.0002	-2.5 to 2.5	Pass
					3.85	2.160	0.0013	-2.5 to 2.5	Pass
					4.43	9.770	0.0057	-2.5 to 2.5	Pass
				-30	3.85	7.010	0.0041	-2.5 to 2.5	Pass
				-20	3.85	5.622	0.0033	-2.5 to 2.5	Pass
				-10	3.85	3.762	0.0022	-2.5 to 2.5	Pass
				0	3.85	5.322	0.0031	-2.5 to 2.5	Pass
				10	3.85	2.832	0.0017	-2.5 to 2.5	Pass
				30	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				40	3.85	2.632	0.0015	-2.5 to 2.5	Pass

	1732.5	50	0	50	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				20	3.27	0.572	0.0003	-2.5 to 2.5	Pass
					3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
					4.43	0.515	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.891	0.0022	-2.5 to 2.5	Pass
				-10	3.85	1.574	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				10	3.85	10.400	0.0060	-2.5 to 2.5	Pass
				30	3.85	7.296	0.0042	-2.5 to 2.5	Pass
	1750	50	0	40	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				50	3.85	3.219	0.0019	-2.5 to 2.5	Pass
				20	3.27	5.350	0.0031	-2.5 to 2.5	Pass
					3.85	4.907	0.0028	-2.5 to 2.5	Pass
					4.43	5.465	0.0031	-2.5 to 2.5	Pass
				-30	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				0	3.85	5.851	0.0033	-2.5 to 2.5	Pass
				10	3.85	5.236	0.0030	-2.5 to 2.5	Pass
				30	3.85	6.752	0.0039	-2.5 to 2.5	Pass
				40	3.85	4.206	0.0024	-2.5 to 2.5	Pass
				50	3.85	5.708	0.0033	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

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	0.873	0.0005	-2.5 to 2.5	Pass
					3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				-10	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				0	3.85	2.689	0.0016	-2.5 to 2.5	Pass
				10	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				40	3.85	1.202	0.0007	-2.5 to 2.5	Pass
	1732.5	75	0	50	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				20	3.27	2.904	0.0017	-2.5 to 2.5	Pass
					3.85	1.330	0.0008	-2.5 to 2.5	Pass
					4.43	5.207	0.0030	-2.5 to 2.5	Pass
				-30	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				-10	3.85	4.334	0.0025	-2.5 to 2.5	Pass
				0	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				30	3.85	4.163	0.0024	-2.5 to 2.5	Pass
	1747.5	75	0	40	3.85	2.832	0.0016	-2.5 to 2.5	Pass
				50	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				20	3.27	1.230	0.0007	-2.5 to 2.5	Pass
					3.85	4.520	0.0026	-2.5 to 2.5	Pass
					4.43	5.364	0.0031	-2.5 to 2.5	Pass
				-30	3.85	5.035	0.0029	-2.5 to 2.5	Pass
				-20	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.904	0.0017	-2.5 to 2.5	Pass

16QAM	1717.5	75	0	0	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				10	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				30	3.85	3.848	0.0022	-2.5 to 2.5	Pass
				40	3.85	7.224	0.0041	-2.5 to 2.5	Pass
				50	3.85	3.304	0.0019	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	0.758	0.0004	-2.5 to 2.5	Pass
					3.85	0.072	0.0000	-2.5 to 2.5	Pass
					4.43	1.817	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				10	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				50	3.85	2.918	0.0017	-2.5 to 2.5	Pass
				20	3.27	2.303	0.0013	-2.5 to 2.5	Pass
					3.85	2.604	0.0015	-2.5 to 2.5	Pass
					4.43	3.376	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				30	3.85	3.290	0.0019	-2.5 to 2.5	Pass
				40	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				50	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	4.635	0.0027	-2.5 to 2.5	Pass
					3.85	5.221	0.0030	-2.5 to 2.5	Pass
					4.43	2.275	0.0013	-2.5 to 2.5	Pass
				-30	3.85	3.991	0.0023	-2.5 to 2.5	Pass
				-20	3.85	4.120	0.0024	-2.5 to 2.5	Pass
				-10	3.85	3.805	0.0022	-2.5 to 2.5	Pass
				0	3.85	2.832	0.0016	-2.5 to 2.5	Pass
				10	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				30	3.85	3.204	0.0018	-2.5 to 2.5	Pass
				40	3.85	4.220	0.0024	-2.5 to 2.5	Pass
				50	3.85	5.093	0.0029	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

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	-5.107	-0.0030	-2.5 to 2.5	Pass
					3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
					4.43	-2.561	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				0	3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				30	3.85	3.633	0.0021	-2.5 to 2.5	Pass
				40	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				50	3.85	5.307	0.0031	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	-0.458	-0.0003	-2.5 to 2.5	Pass

					4.43	-5.794	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	5.965	0.0034	-2.5 to 2.5	Pass
					3.85	1.173	0.0007	-2.5 to 2.5	Pass
					4.43	1.960	0.0011	-2.5 to 2.5	Pass
				-30	3.85	3.033	0.0017	-2.5 to 2.5	Pass
				-20	3.85	3.920	0.0022	-2.5 to 2.5	Pass
				-10	3.85	5.879	0.0034	-2.5 to 2.5	Pass
				0	3.85	6.866	0.0039	-2.5 to 2.5	Pass
				10	3.85	3.533	0.0020	-2.5 to 2.5	Pass
				30	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				40	3.85	2.317	0.0013	-2.5 to 2.5	Pass
				50	3.85	2.246	0.0013	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	1.945	0.0011	-2.5 to 2.5	Pass
					3.85	5.236	0.0030	-2.5 to 2.5	Pass
					4.43	5.608	0.0033	-2.5 to 2.5	Pass
				-30	3.85	4.220	0.0025	-2.5 to 2.5	Pass
				-20	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.518	0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				30	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				40	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				50	3.85	1.545	0.0009	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-1.416	-0.0008	-2.5 to 2.5	Pass
					3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
					4.43	-3.219	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				0	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
				40	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				50	3.85	2.475	0.0014	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	3.090	0.0018	-2.5 to 2.5	Pass
					3.85	0.129	0.0001	-2.5 to 2.5	Pass
					4.43	4.678	0.0027	-2.5 to 2.5	Pass
				-30	3.85	3.848	0.0022	-2.5 to 2.5	Pass
				-20	3.85	5.193	0.0030	-2.5 to 2.5	Pass
				-10	3.85	5.178	0.0030	-2.5 to 2.5	Pass
				0	3.85	5.779	0.0033	-2.5 to 2.5	Pass
				10	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				30	3.85	4.191	0.0024	-2.5 to 2.5	Pass
				40	3.85	2.561	0.0015	-2.5 to 2.5	Pass
				50	3.85	4.520	0.0026	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

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

3.1.2 B4_3MHz

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	
16QAM	1732.5	15	0	Refer To Test Graph	
					Verdict
					Pass

3.1.3 B4_5MHz

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

3.1.4 B4_10MHz

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

3.1.5 B4_15MHz

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

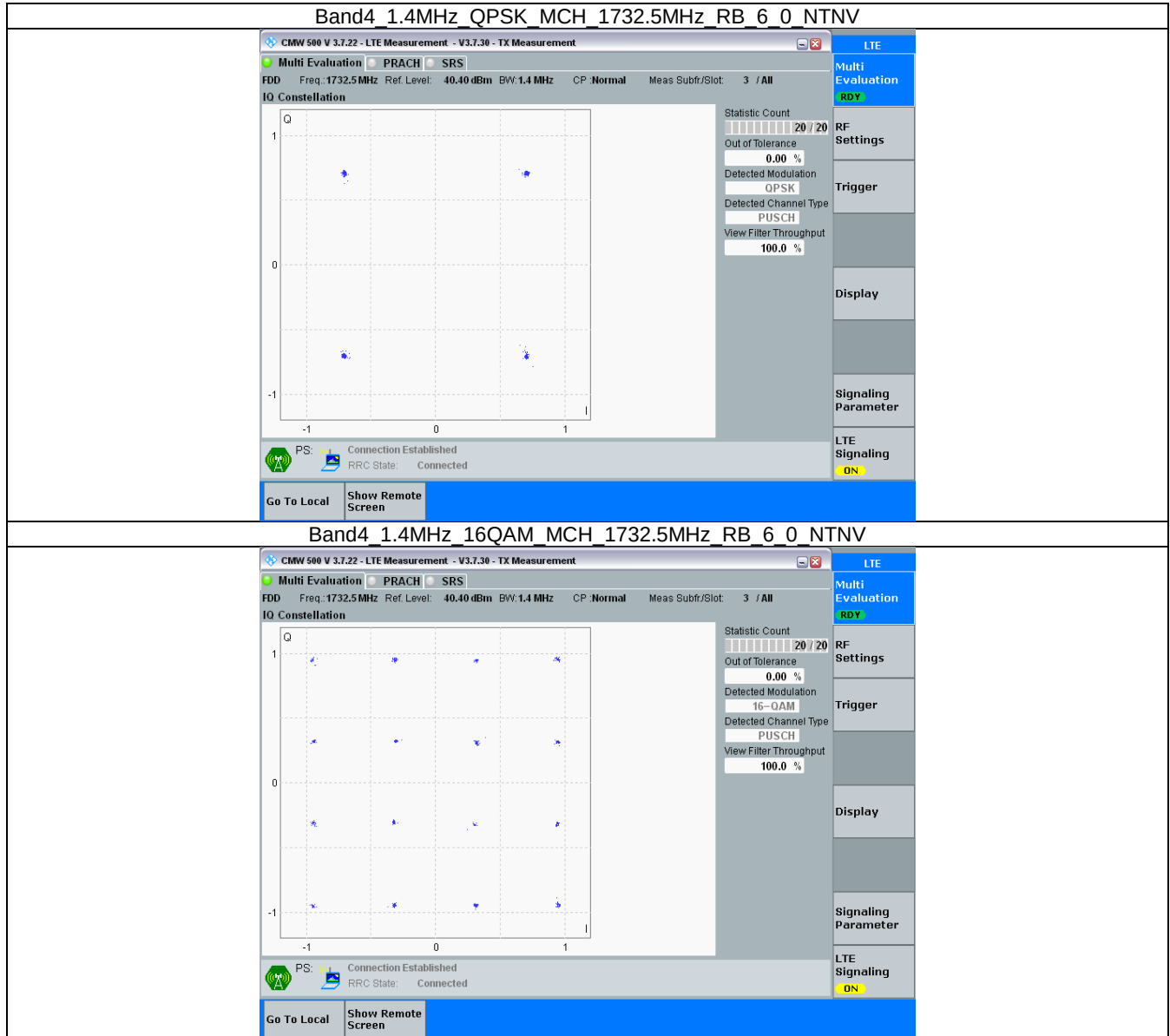
3.1.6 B4_20MHz

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	
16QAM	1732.5	100	0	Refer To Test Graph	
					Verdict
					Pass

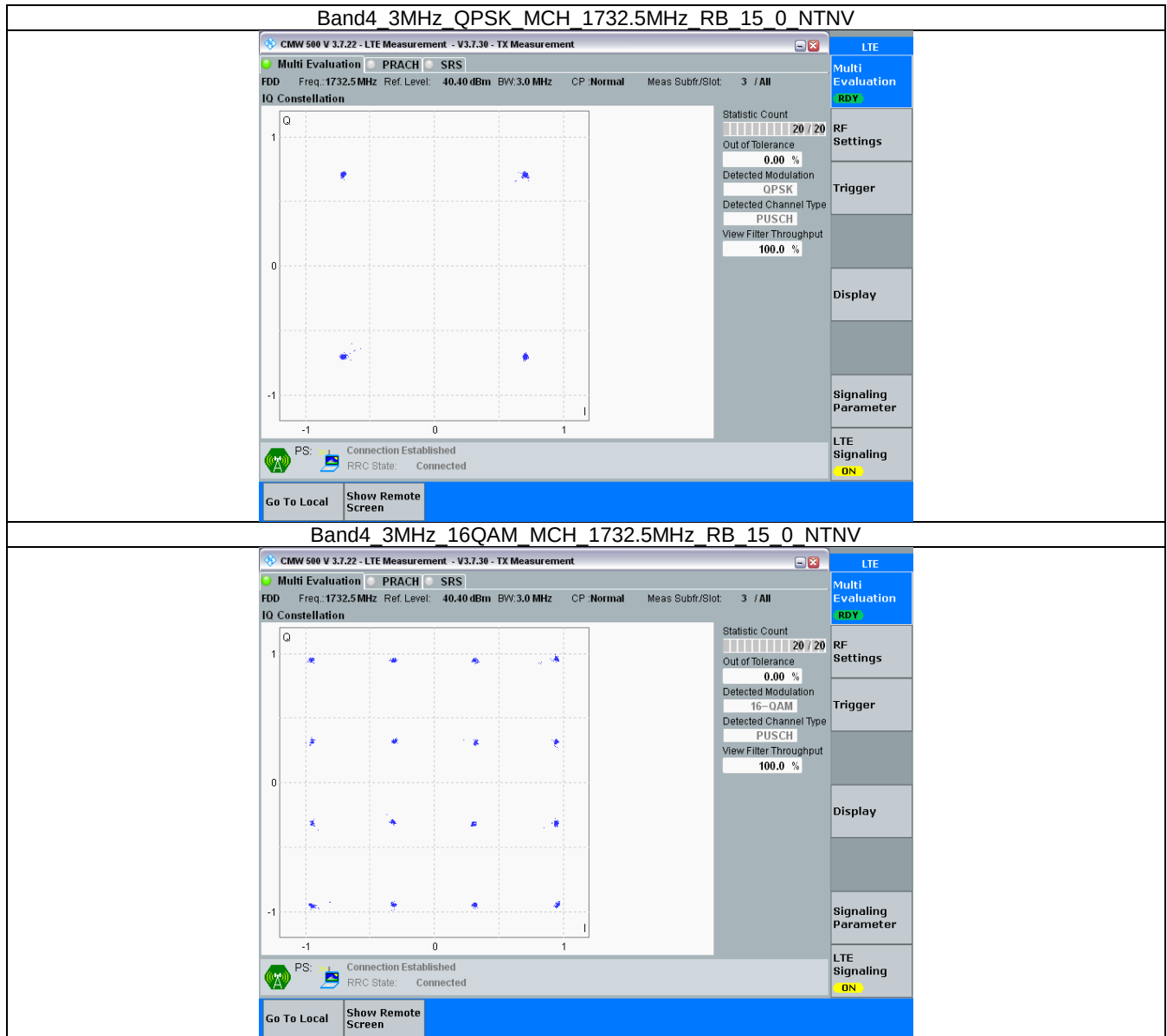


3.2 Test Graph

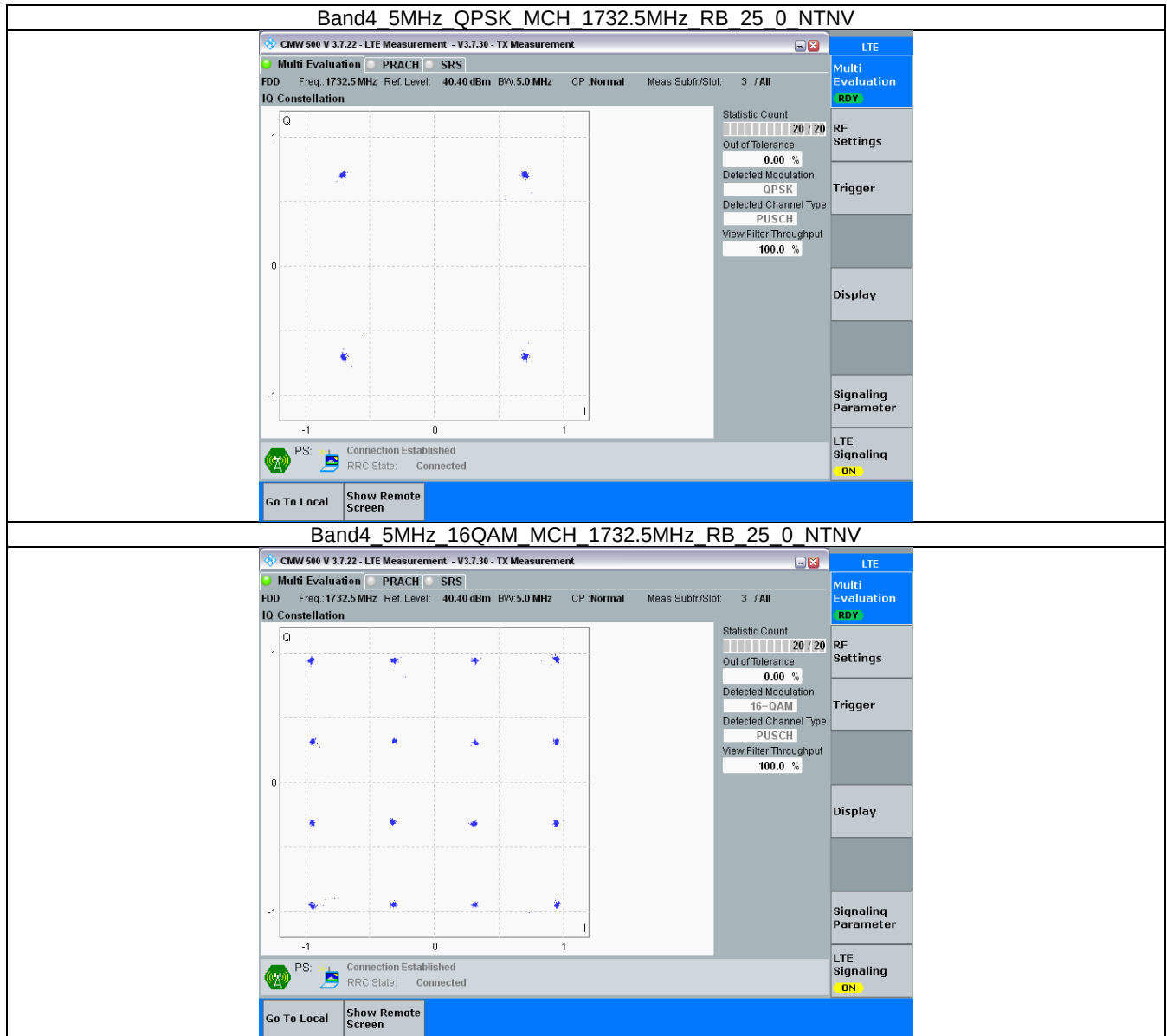
3.2.1 B4_1.4MHz



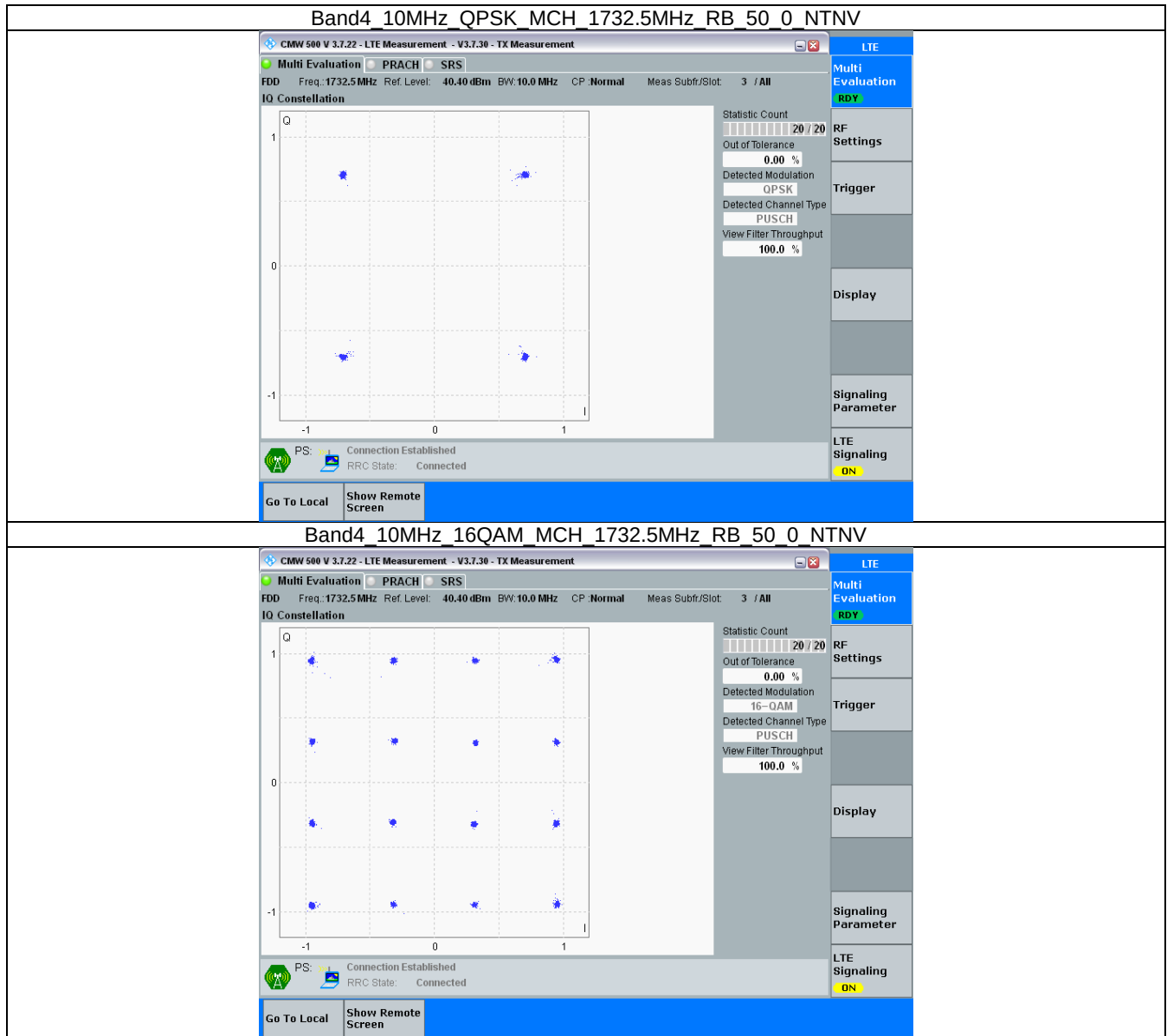
3.2.2 B4_3MHz



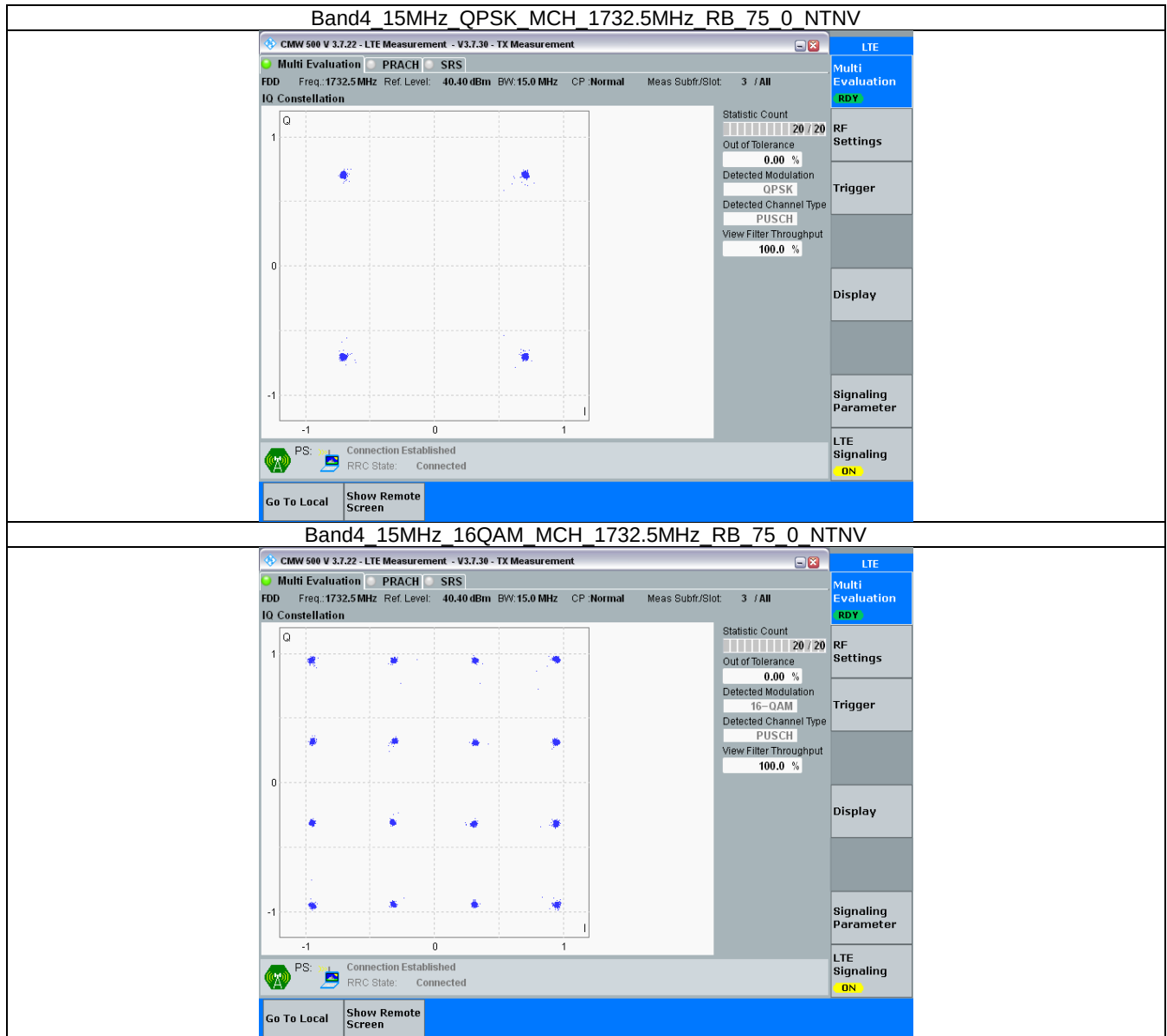
3.2.3 B4_5MHz



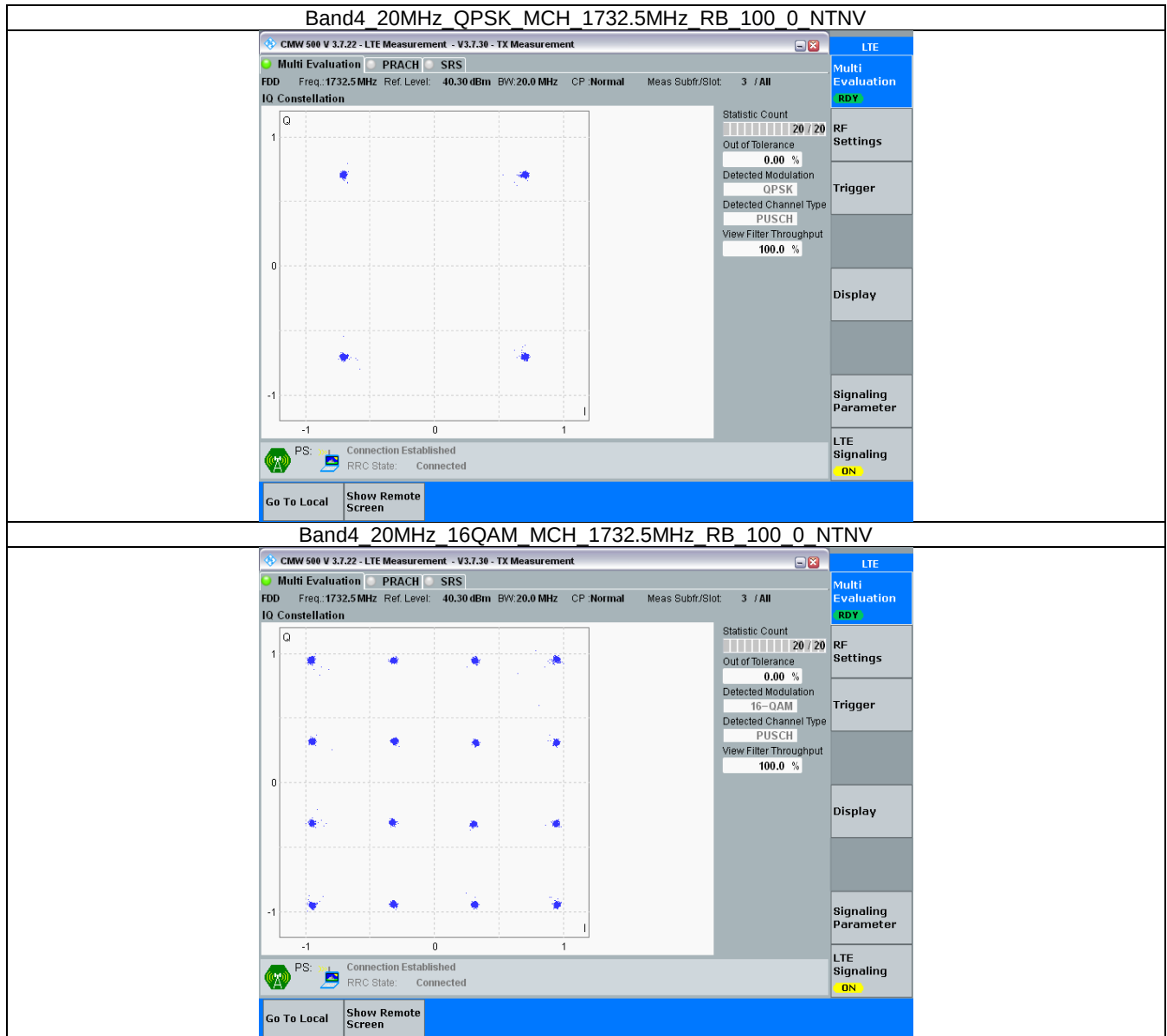
3.2.4 B4_10MHz



3.2.5 B4_15MHz



3.2.6 B4_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.098	/	Pass
		1732.5	6	0	1.123	/	Pass
		1754.3	6	0	1.110	/	Pass
	16QAM	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.108	/	Pass
3	QPSK	1711.5	15	0	2.734	/	Pass
		1732.5	15	0	2.741	/	Pass
		1753.5	15	0	2.730	/	Pass
	16QAM	1711.5	15	0	2.731	/	Pass
		1732.5	15	0	2.731	/	Pass
		1753.5	15	0	2.740	/	Pass
5	QPSK	1712.5	25	0	4.538	/	Pass
		1732.5	25	0	4.540	/	Pass
		1752.5	25	0	4.544	/	Pass
	16QAM	1712.5	25	0	4.560	/	Pass
		1732.5	25	0	4.552	/	Pass
		1752.5	25	0	4.530	/	Pass
10	QPSK	1715	50	0	9.083	/	Pass
		1732.5	50	0	9.047	/	Pass
		1750	50	0	9.063	/	Pass
	16QAM	1715	50	0	9.047	/	Pass
		1732.5	50	0	9.043	/	Pass
		1750	50	0	9.073	/	Pass
15	QPSK	1717.5	75	0	13.578	/	Pass
		1732.5	75	0	13.542	/	Pass
		1747.5	75	0	13.615	/	Pass
	16QAM	1717.5	75	0	13.599	/	Pass
		1732.5	75	0	13.593	/	Pass
		1747.5	75	0	13.599	/	Pass
20	QPSK	1720	100	0	18.056	/	Pass
		1732.5	100	0	18.016	/	Pass
		1745	100	0	18.101	/	Pass
	16QAM	1720	100	0	18.059	/	Pass
		1732.5	100	0	18.077	/	Pass
		1745	100	0	18.204	/	Pass

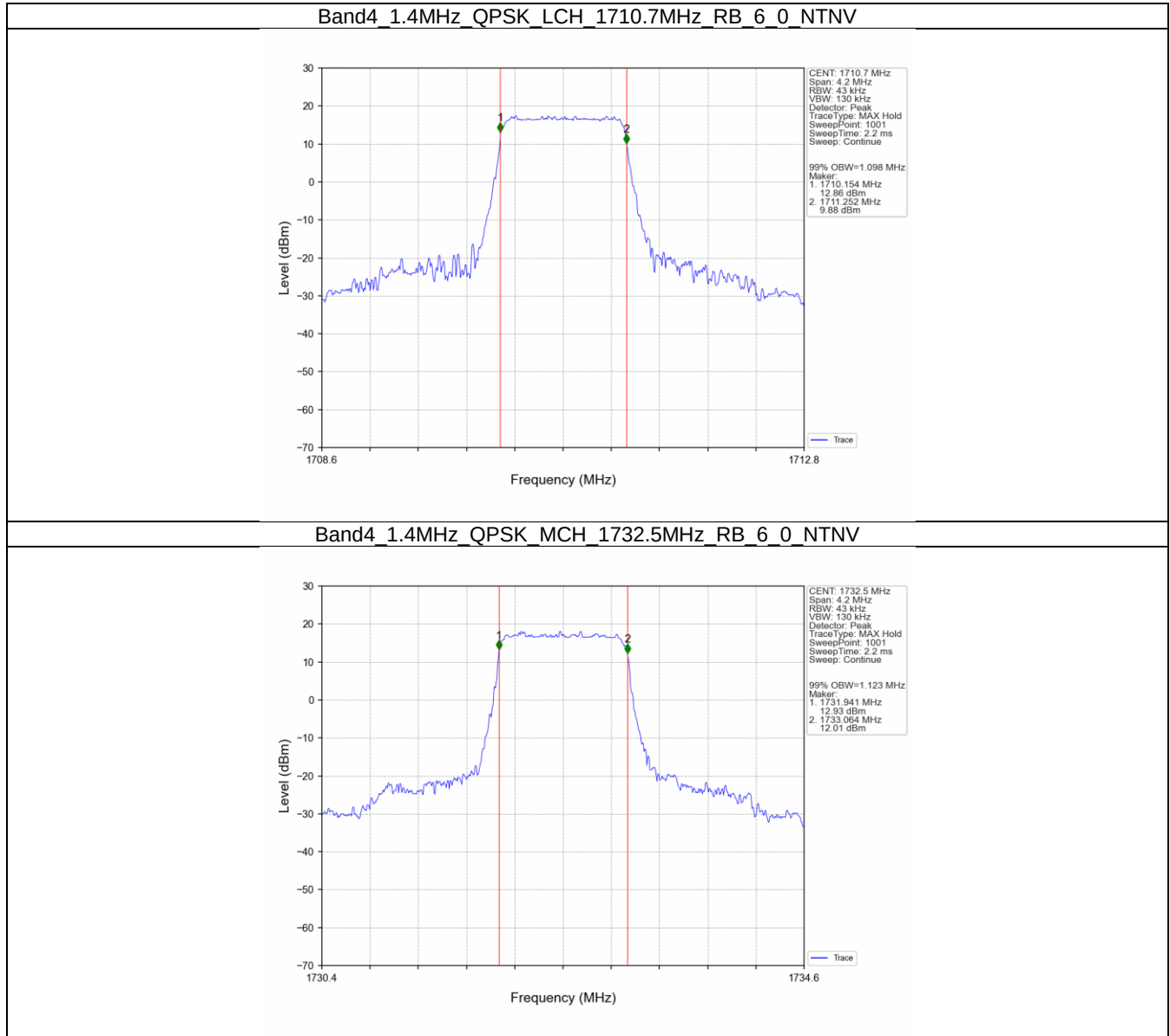
4.1.2 Band4_XDB

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.309	/	Pass
		1732.5	6	0	1.313	/	Pass

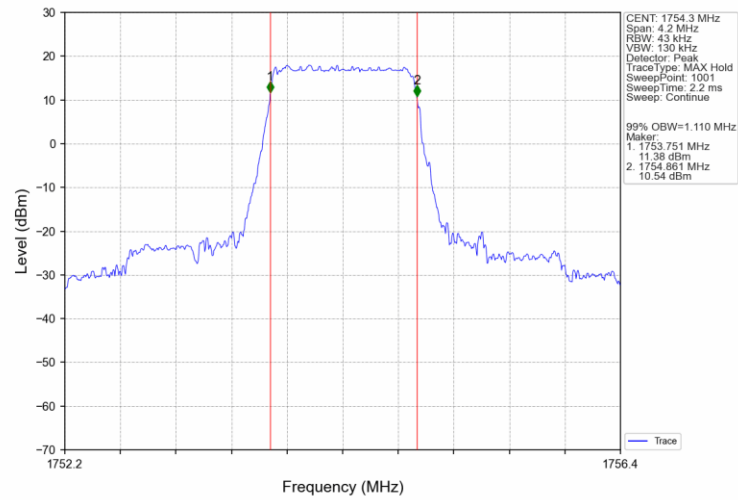
	16QAM	1754.3	6	0	1.322	/	Pass
		1710.7	6	0	1.318	/	Pass
		1732.5	6	0	1.330	/	Pass
		1754.3	6	0	1.310	/	Pass
3	QPSK	1711.5	15	0	3.003	/	Pass
		1732.5	15	0	3.016	/	Pass
		1753.5	15	0	3.016	/	Pass
	16QAM	1711.5	15	0	3.019	/	Pass
		1732.5	15	0	3.025	/	Pass
		1753.5	15	0	3.033	/	Pass
5	QPSK	1712.5	25	0	5.043	/	Pass
		1732.5	25	0	5.075	/	Pass
		1752.5	25	0	5.014	/	Pass
	16QAM	1712.5	25	0	5.069	/	Pass
		1732.5	25	0	5.057	/	Pass
		1752.5	25	0	5.000	/	Pass
10	QPSK	1715	50	0	9.987	/	Pass
		1732.5	50	0	9.965	/	Pass
		1750	50	0	9.997	/	Pass
	16QAM	1715	50	0	9.926	/	Pass
		1732.5	50	0	9.936	/	Pass
		1750	50	0	9.938	/	Pass
15	QPSK	1717.5	75	0	14.957	/	Pass
		1732.5	75	0	14.851	/	Pass
		1747.5	75	0	15.070	/	Pass
	16QAM	1717.5	75	0	14.899	/	Pass
		1732.5	75	0	14.922	/	Pass
		1747.5	75	0	14.989	/	Pass
20	QPSK	1720	100	0	19.813	/	Pass
		1732.5	100	0	19.817	/	Pass
		1745	100	0	19.748	/	Pass
	16QAM	1720	100	0	19.780	/	Pass
		1732.5	100	0	19.625	/	Pass
		1745	100	0	19.882	/	Pass

4.2 Test Graph

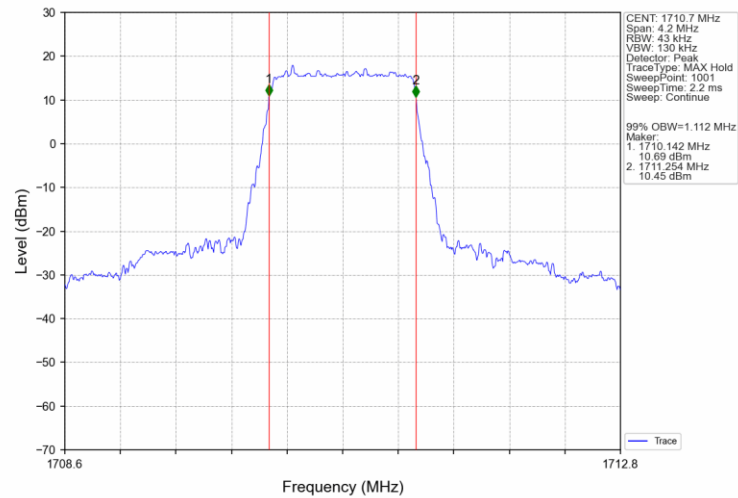
4.2.1 Band4_OBW



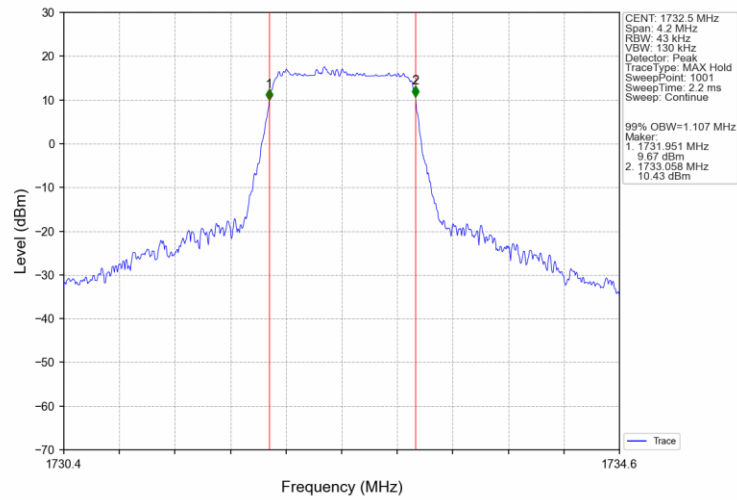
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



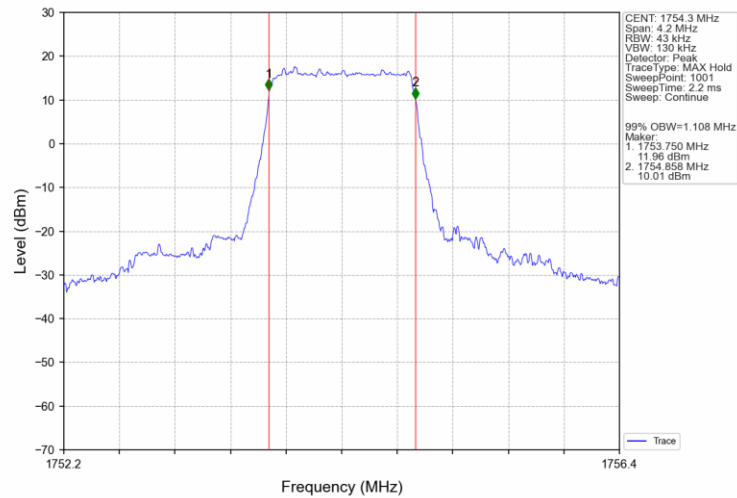
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



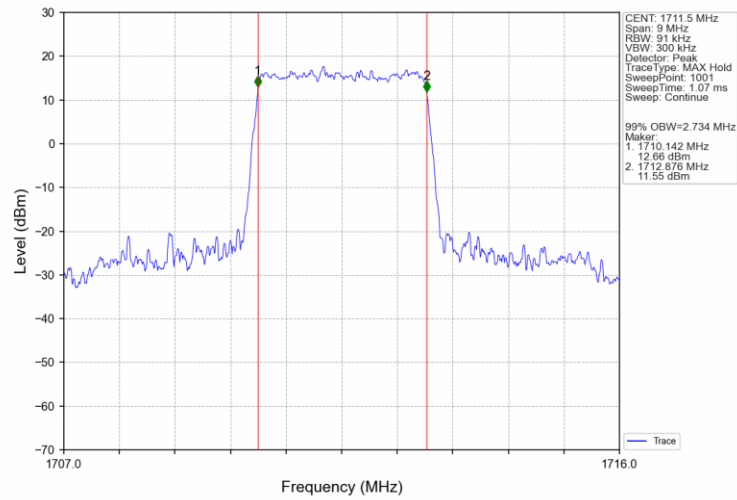
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



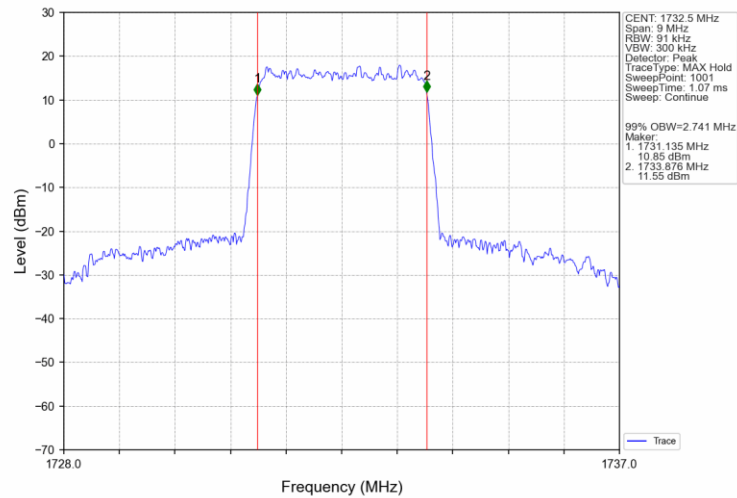
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



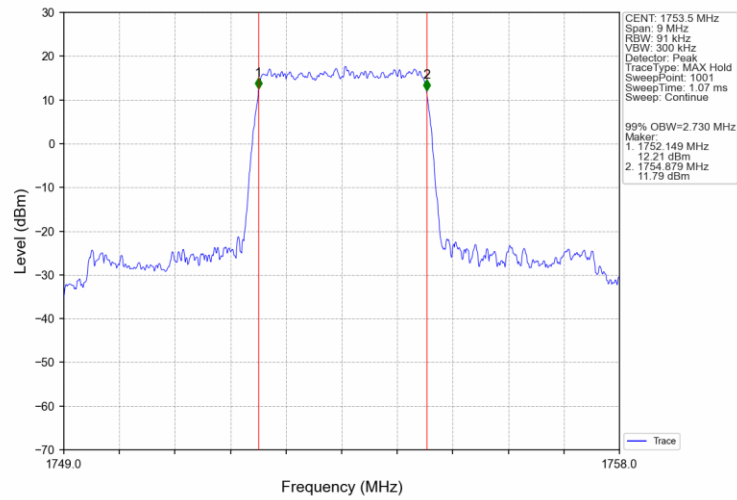
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



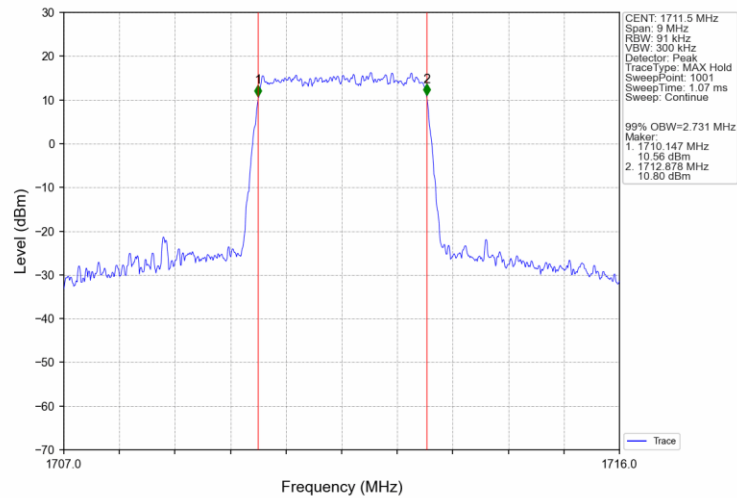
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



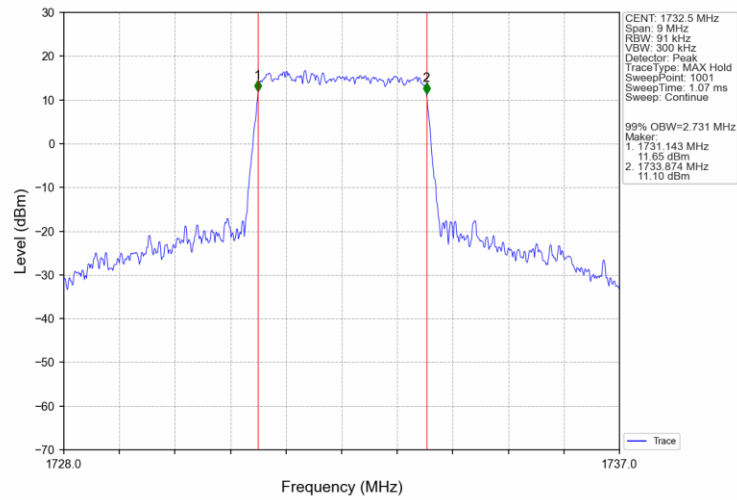
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



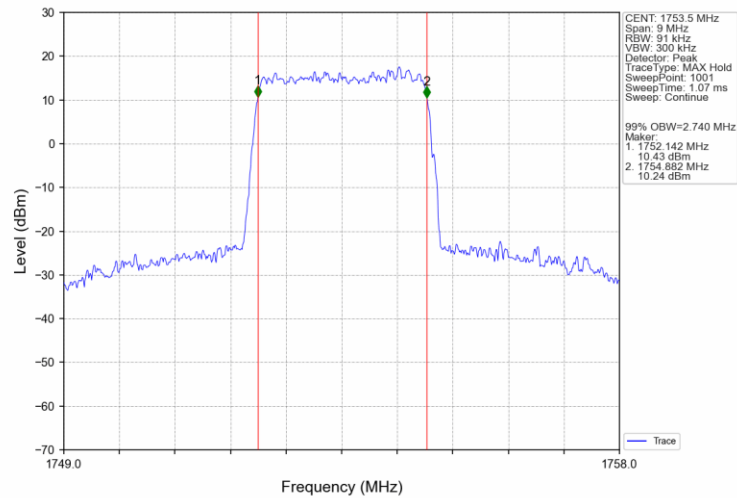
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



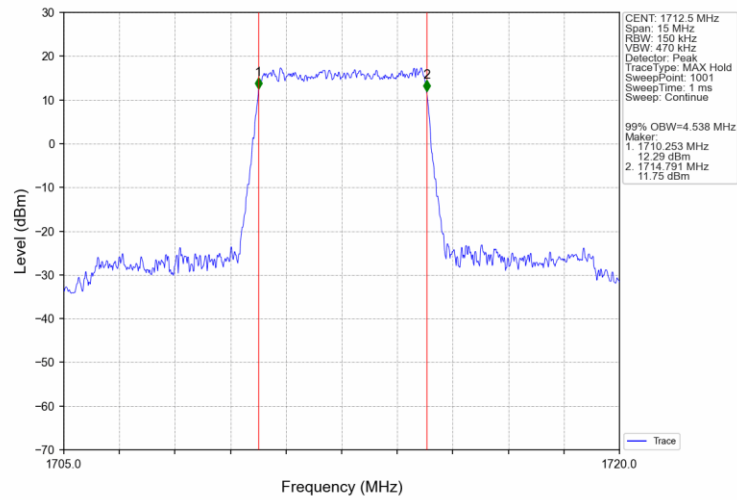
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



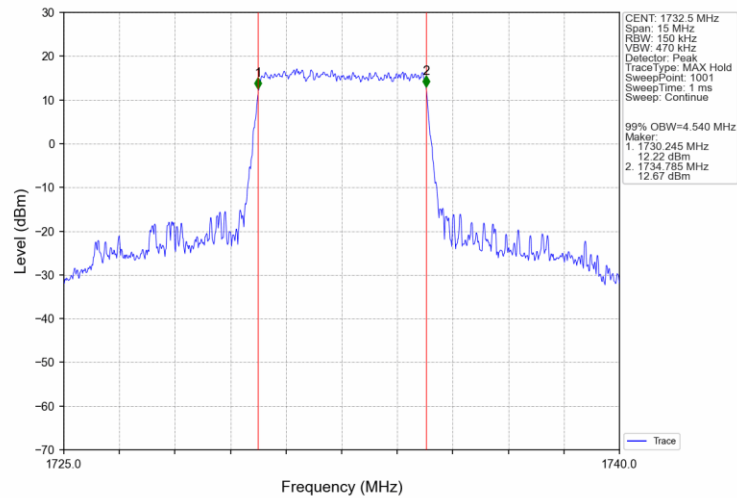
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



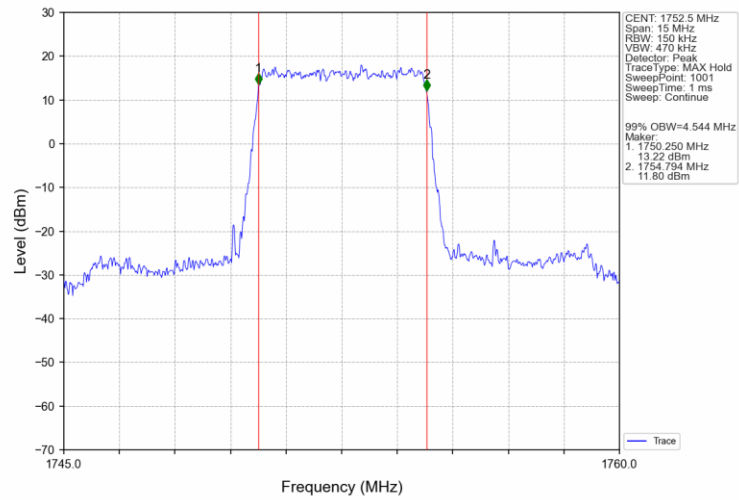
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



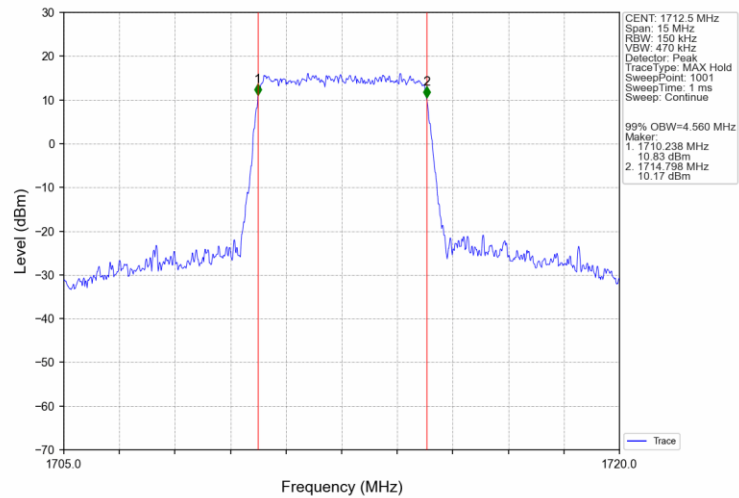
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



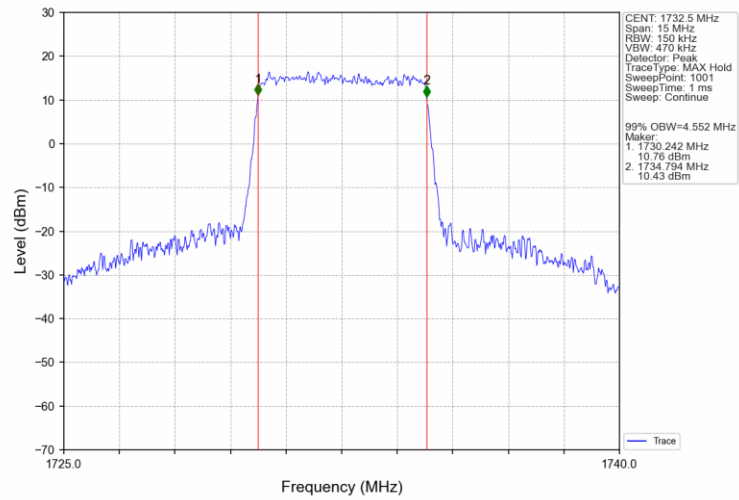
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



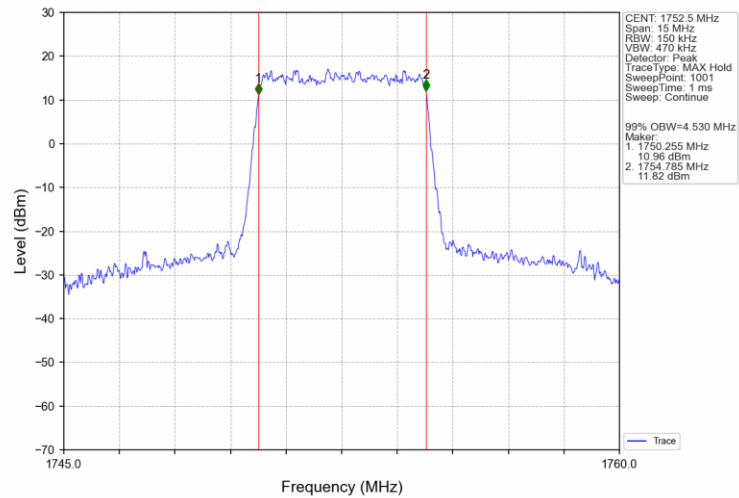
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



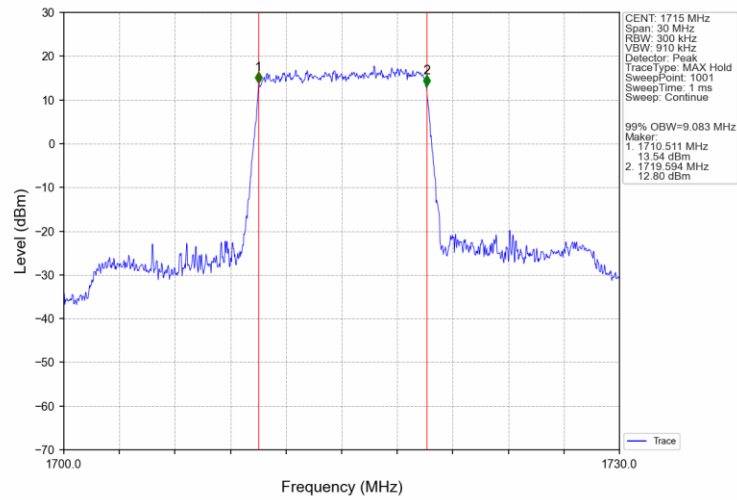
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



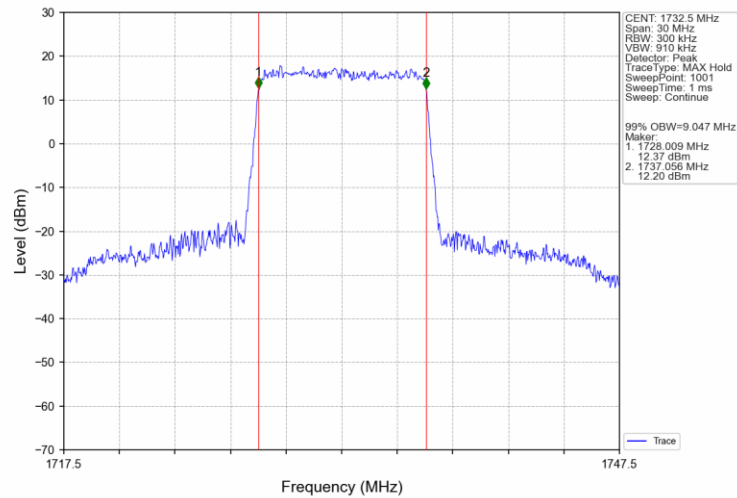
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



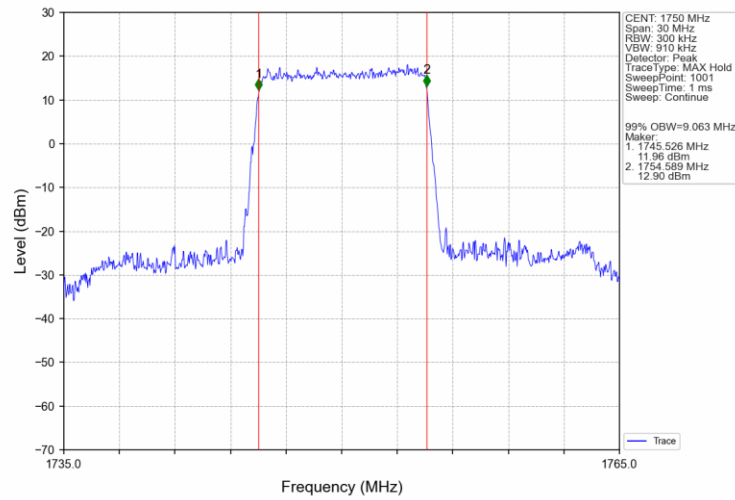
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



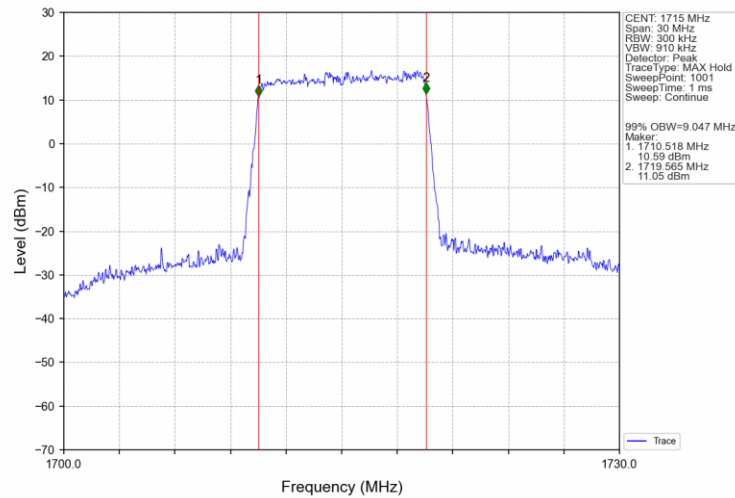
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



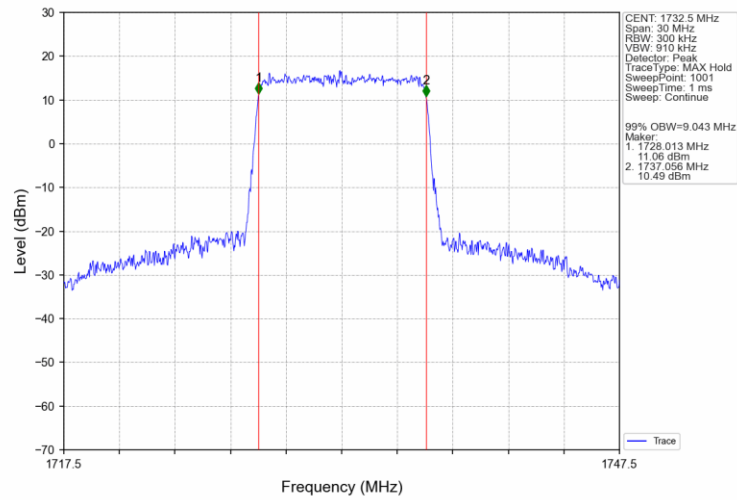
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



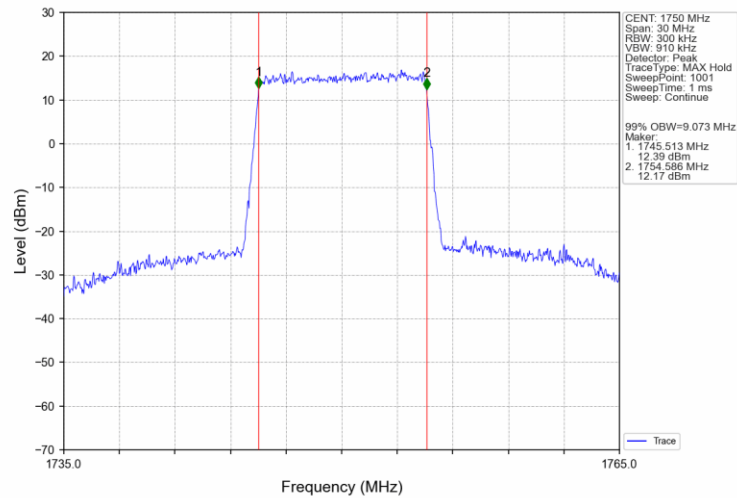
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



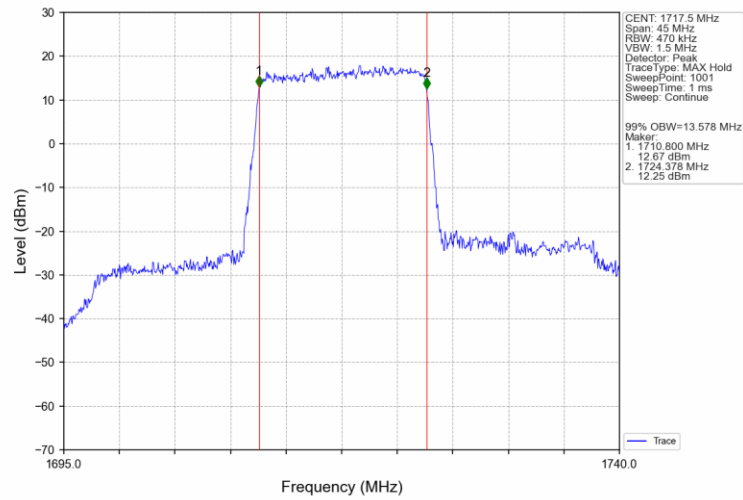
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



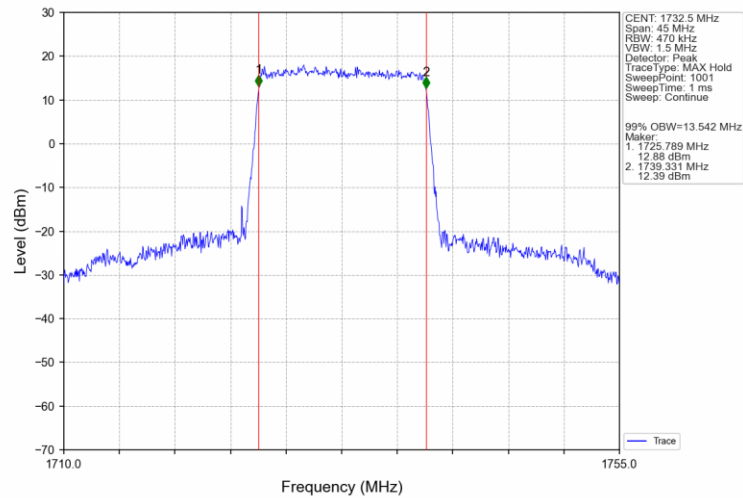
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



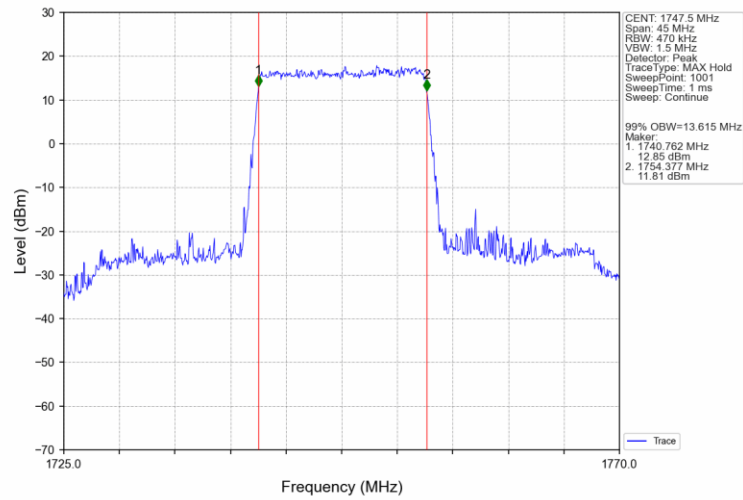
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



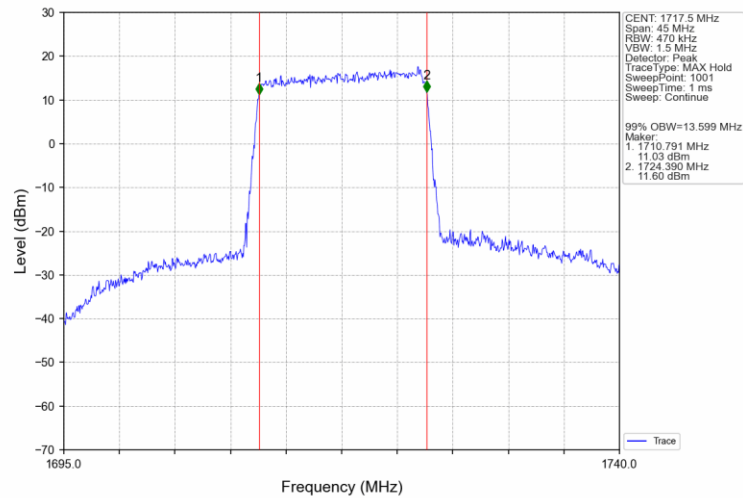
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



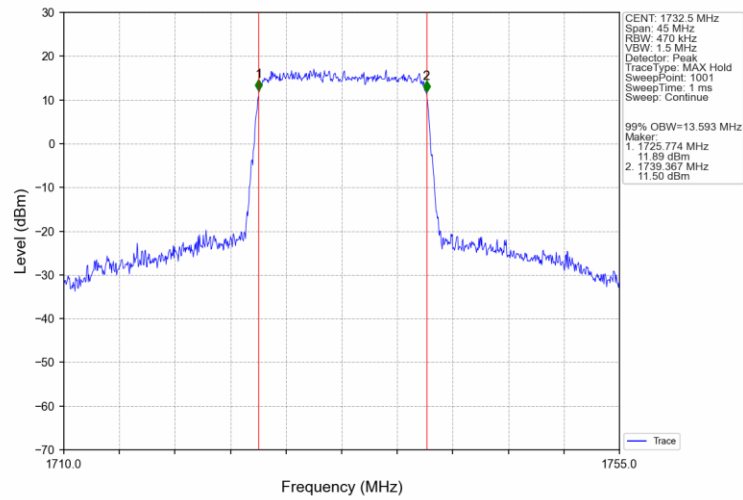
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



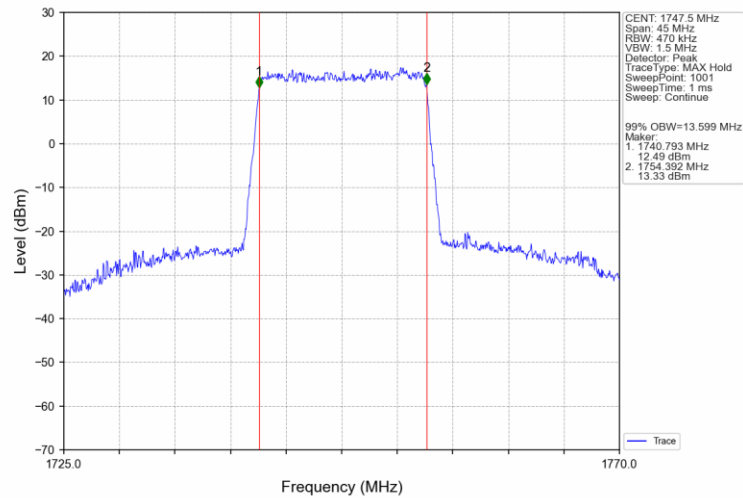
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



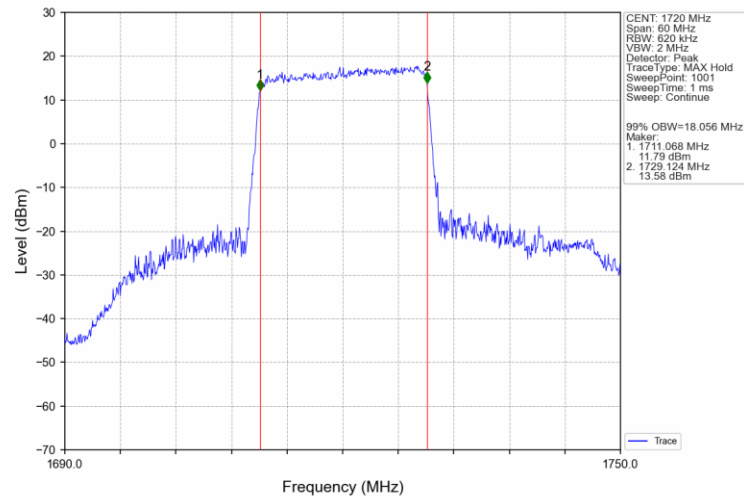
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



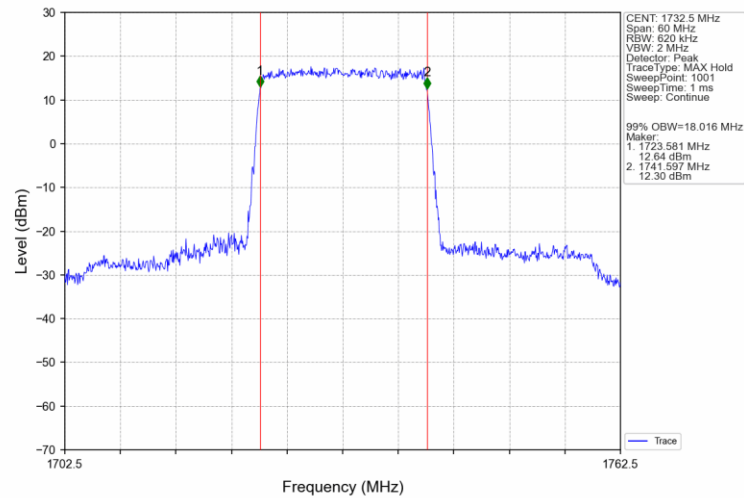
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



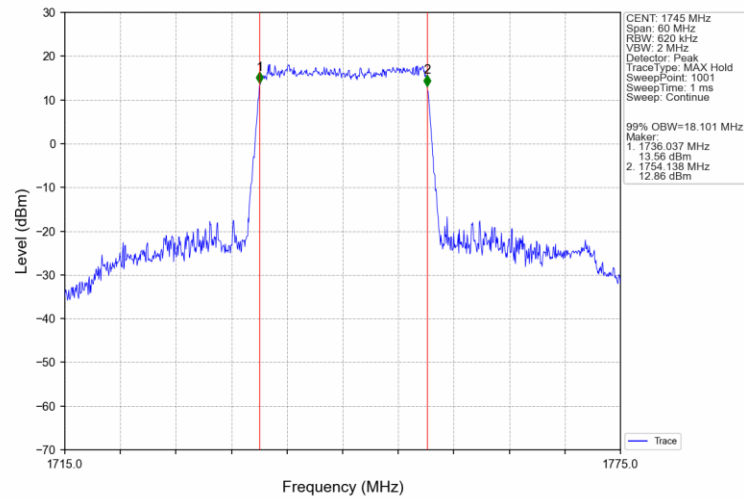
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



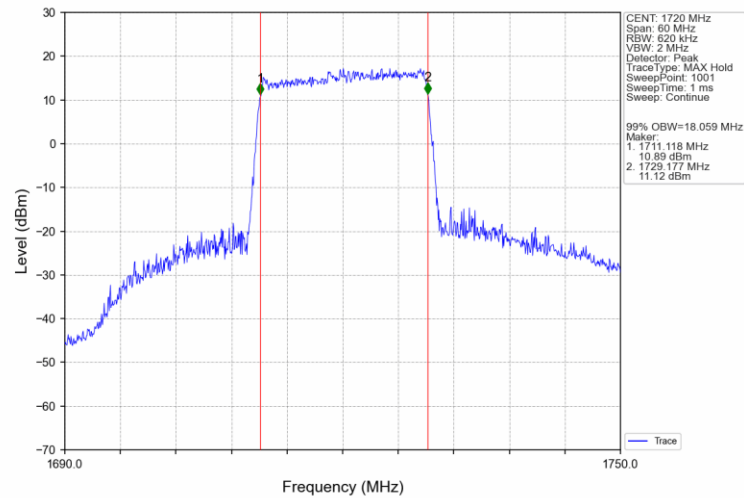
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



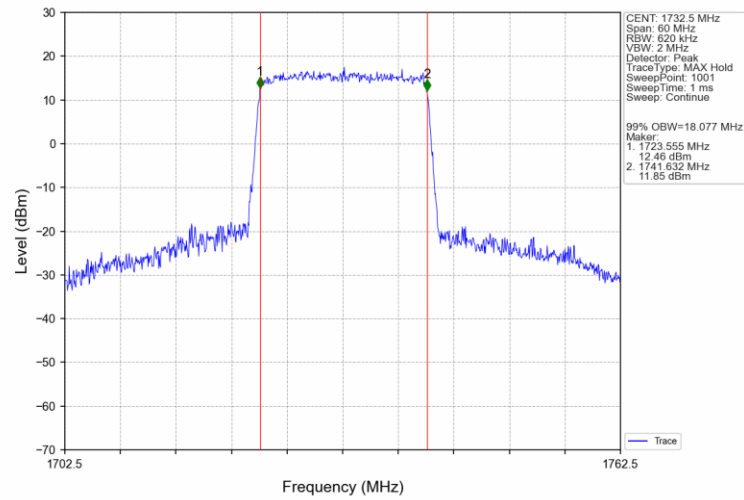
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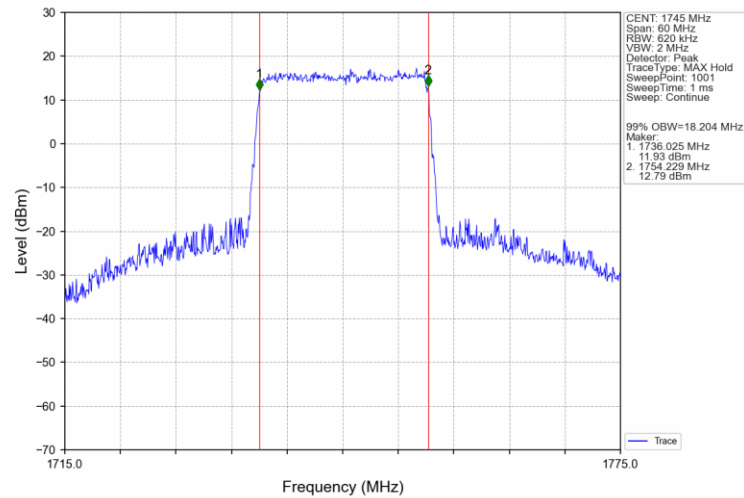
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

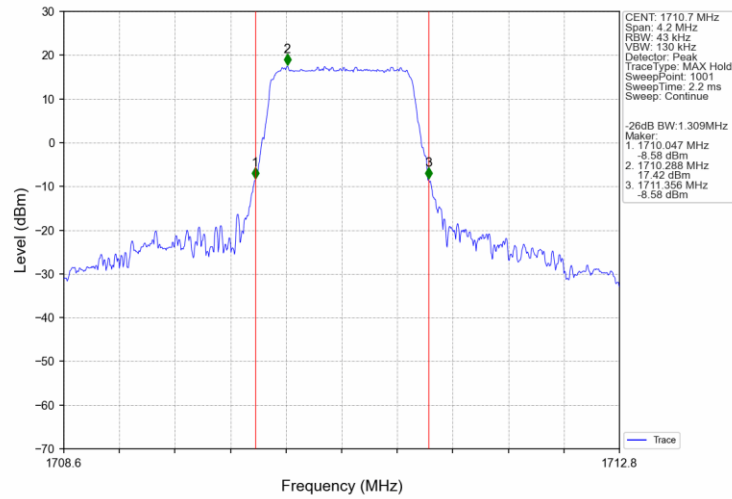


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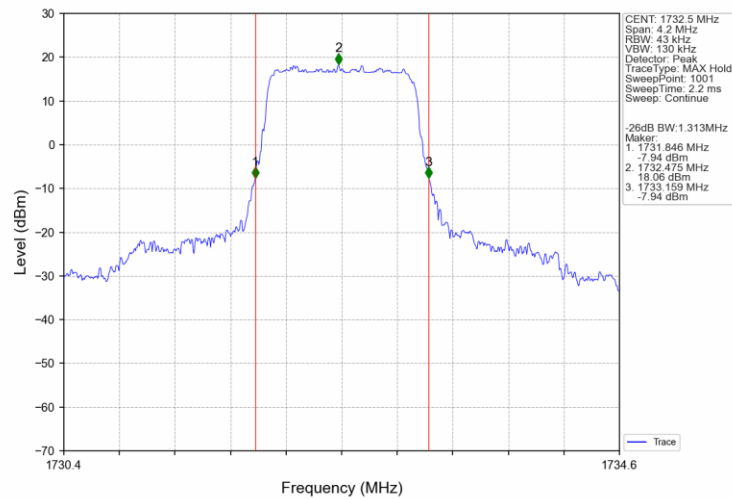


4.2.2 Band4_XDB

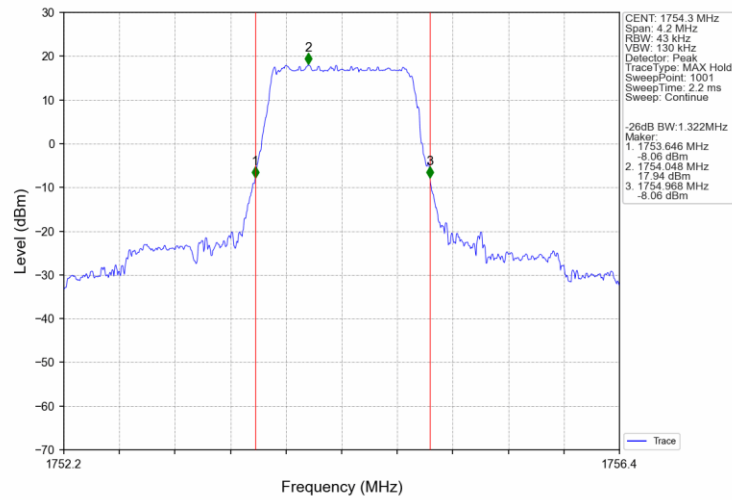
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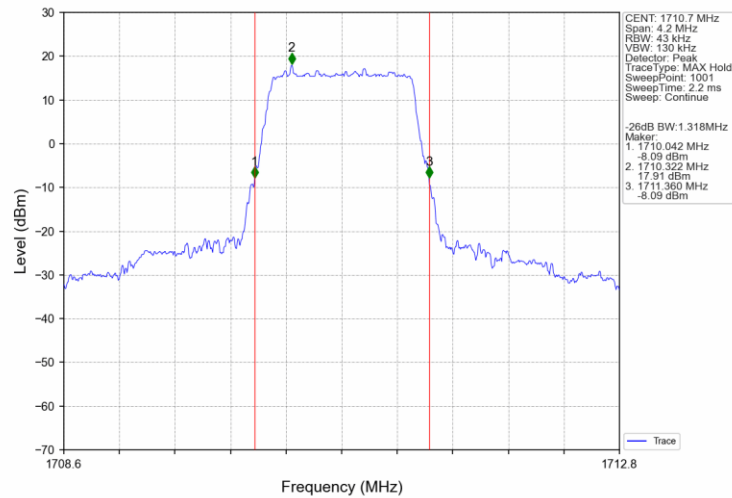
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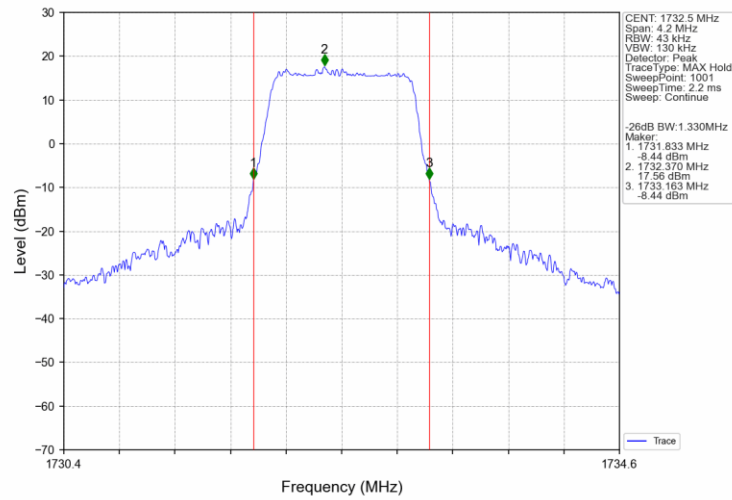
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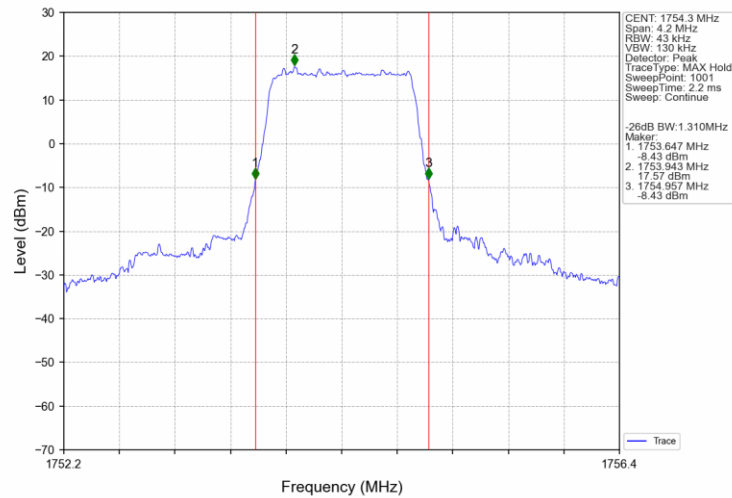
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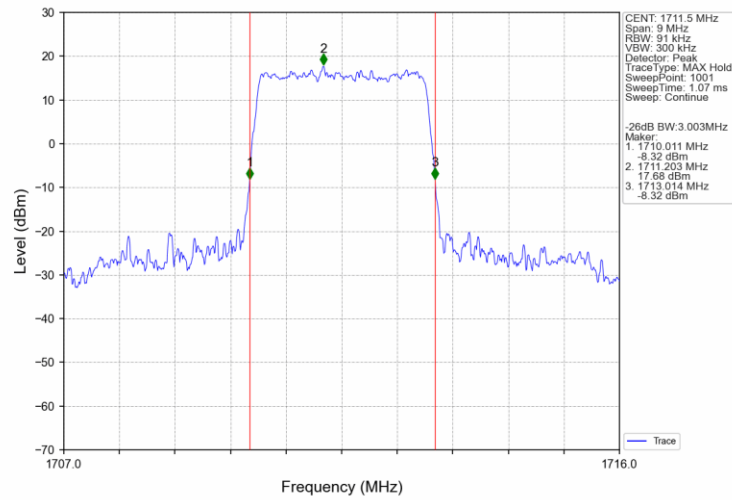
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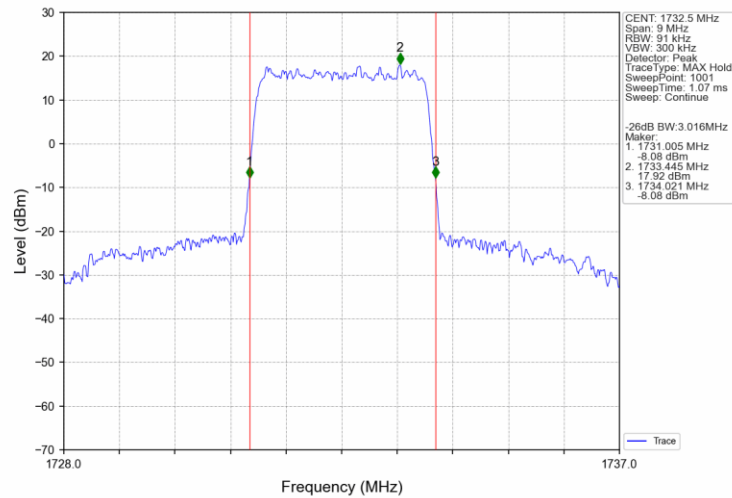
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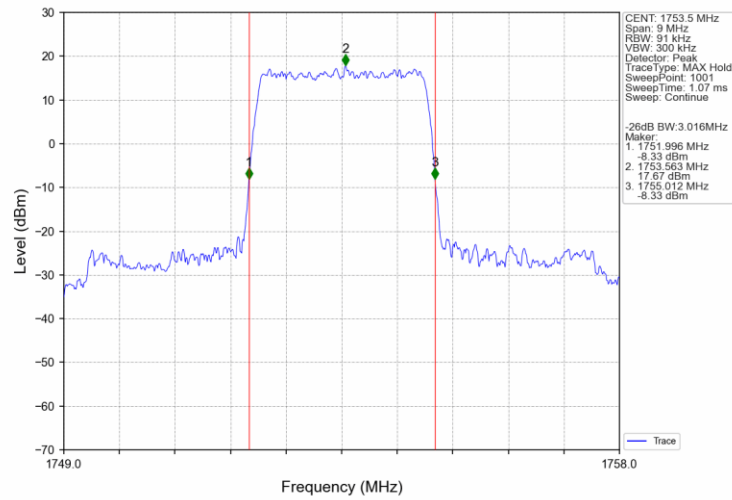
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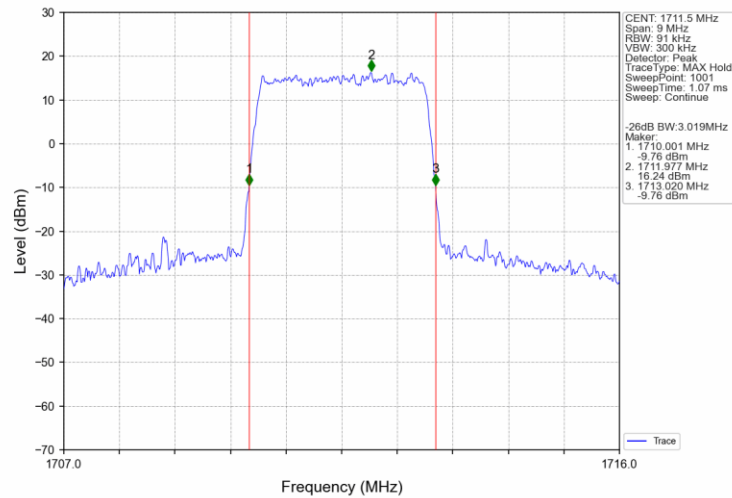
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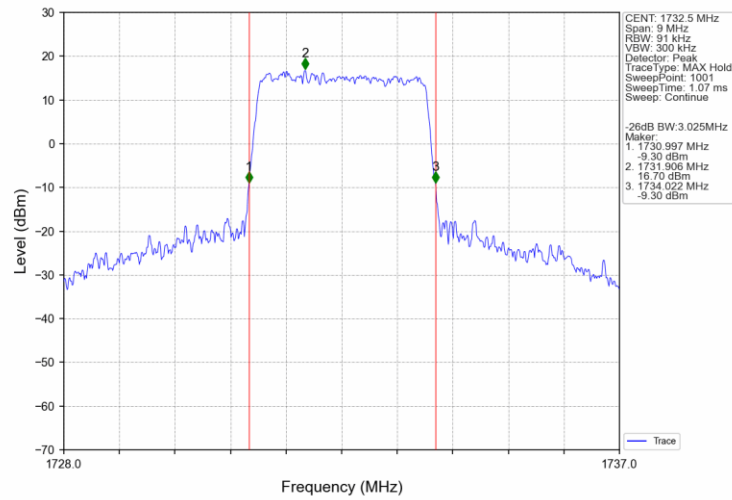
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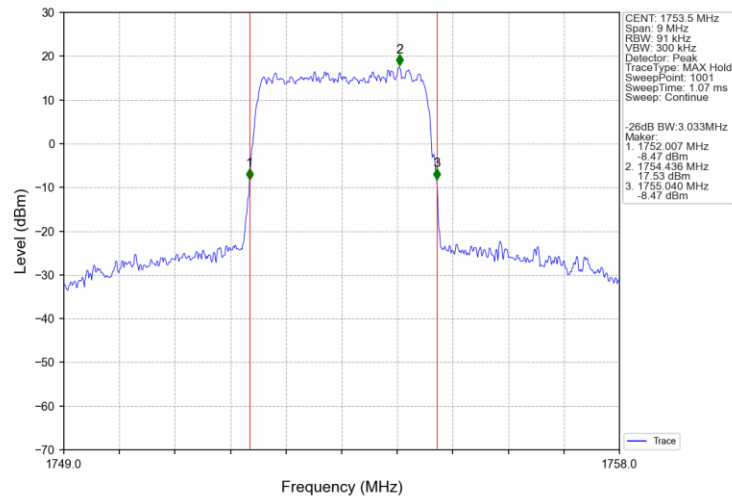
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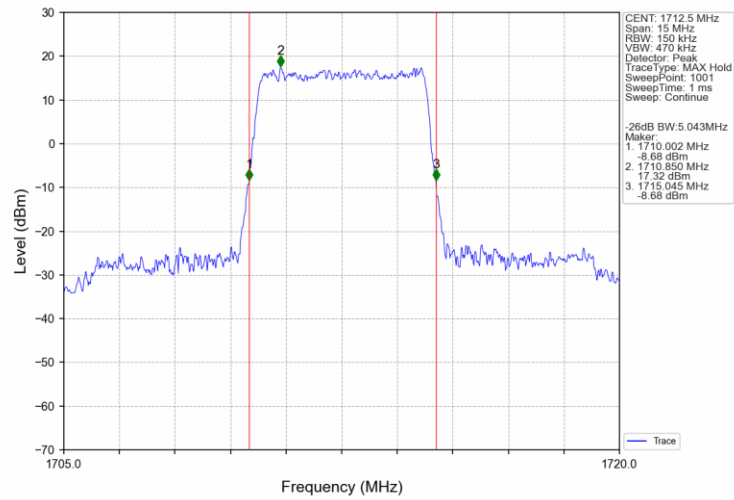
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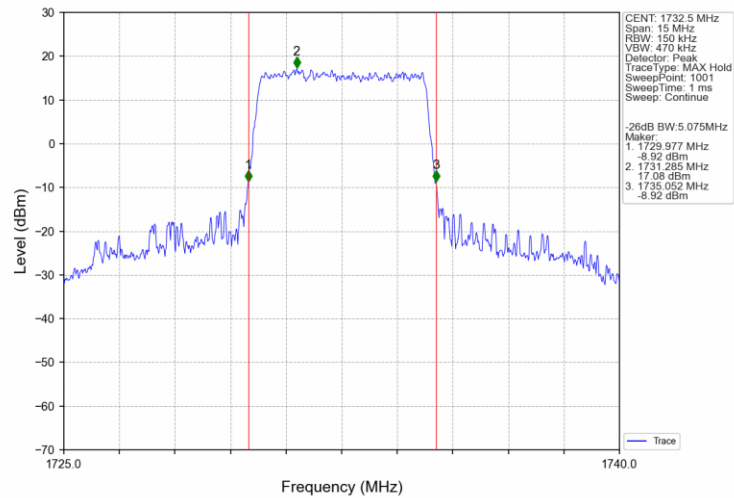
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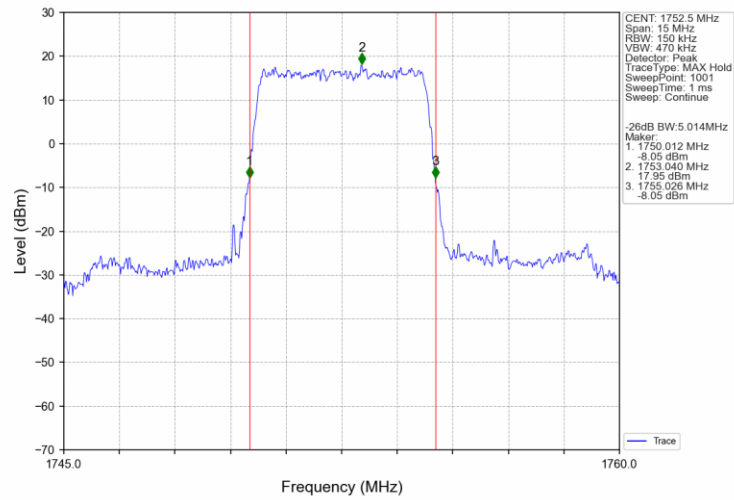
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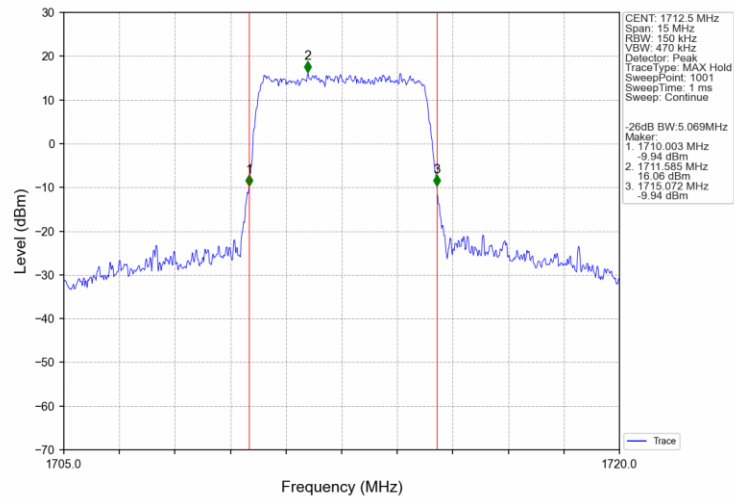
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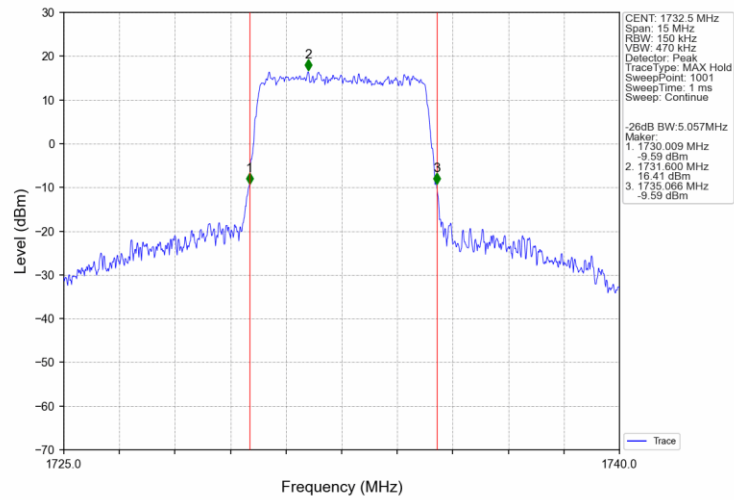
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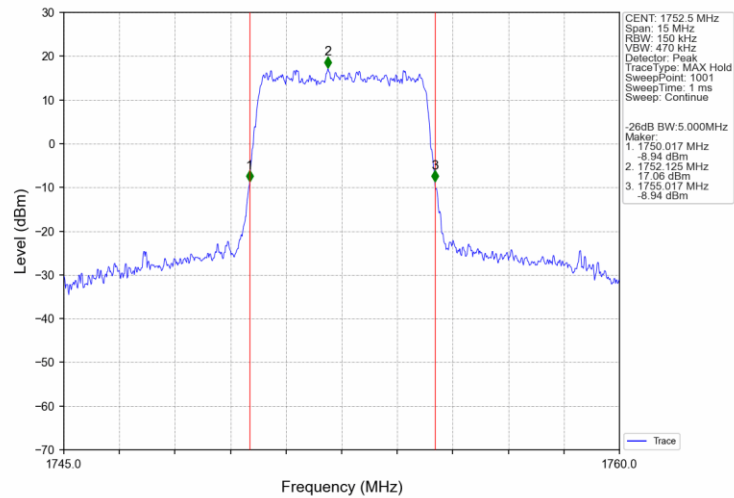
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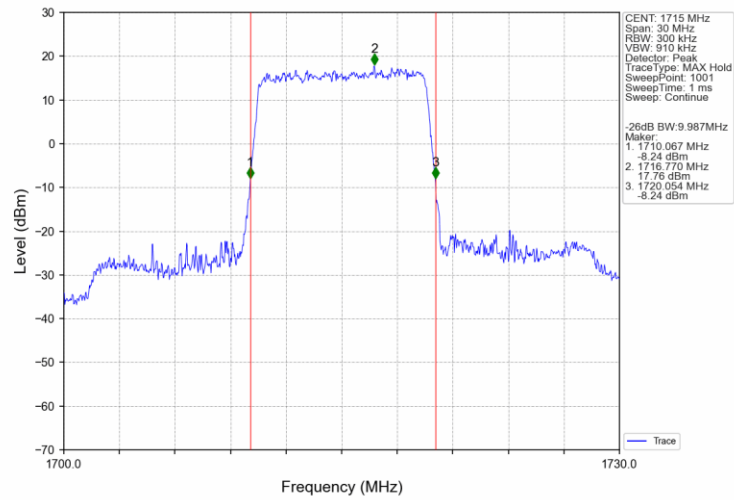
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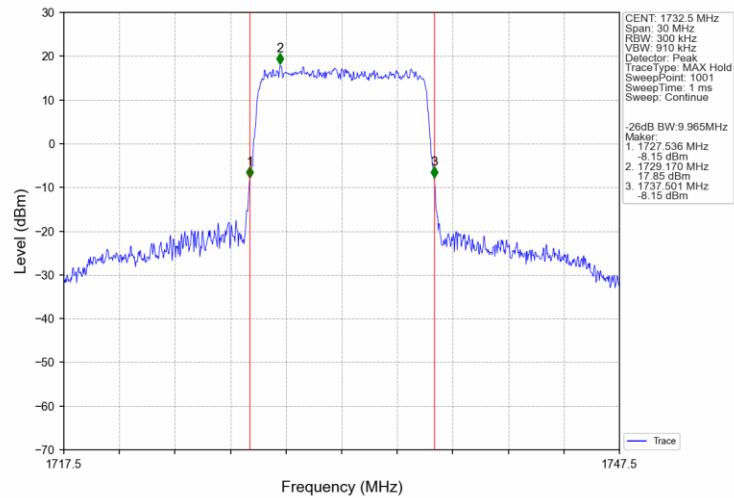
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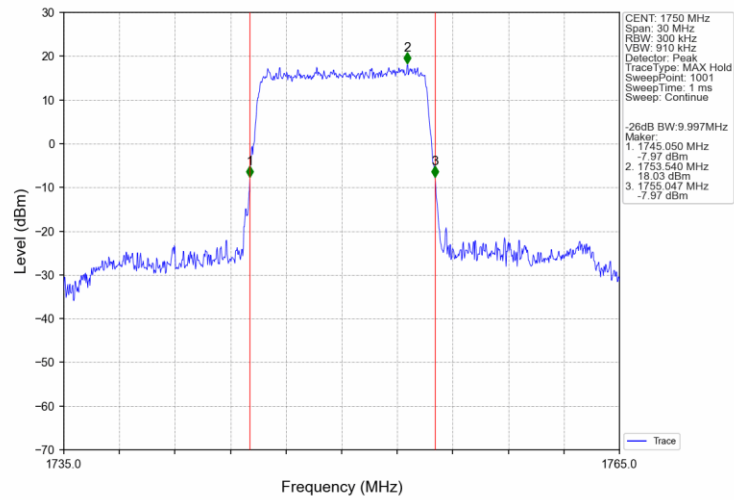
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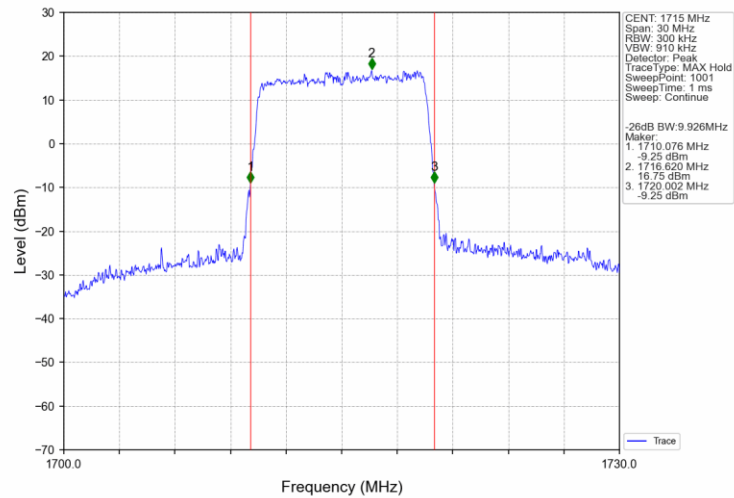
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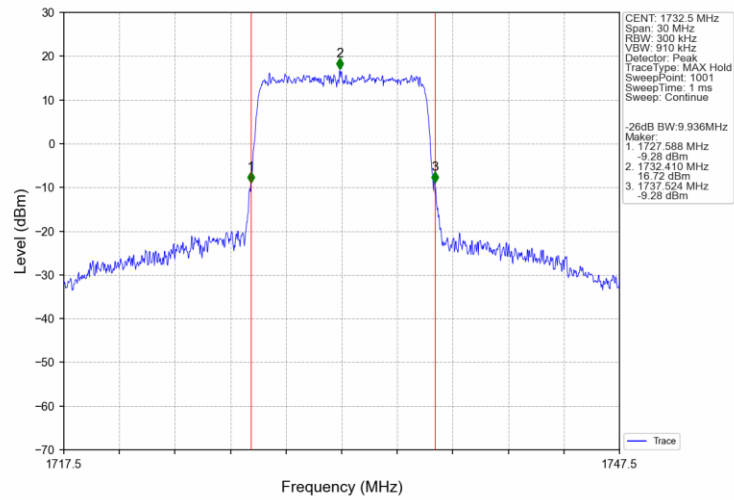
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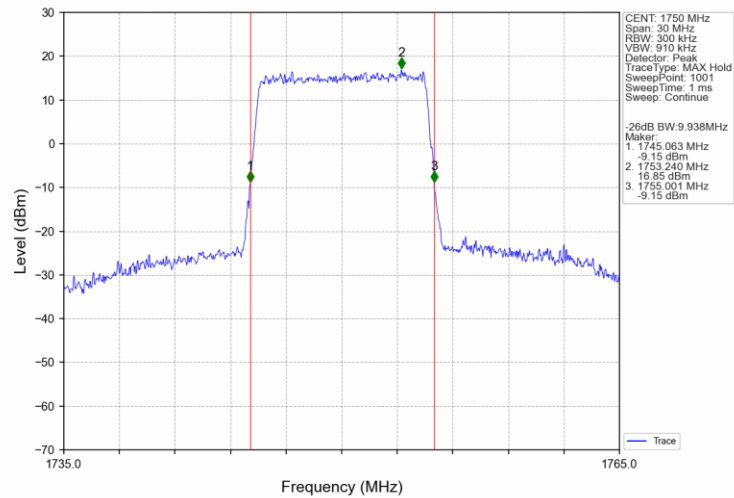
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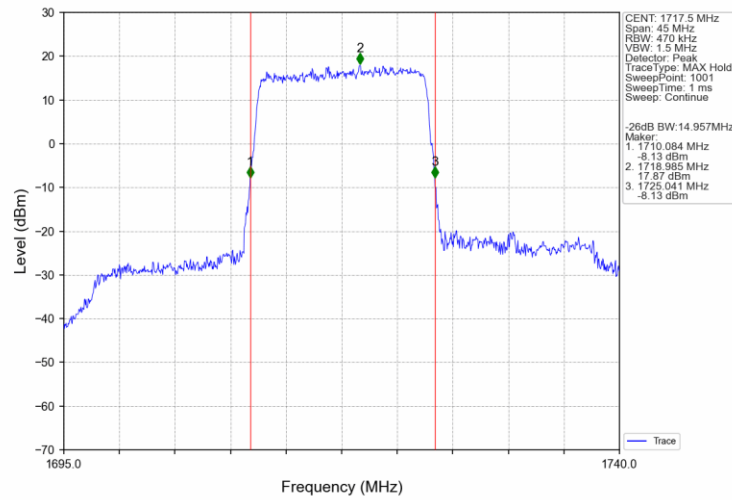
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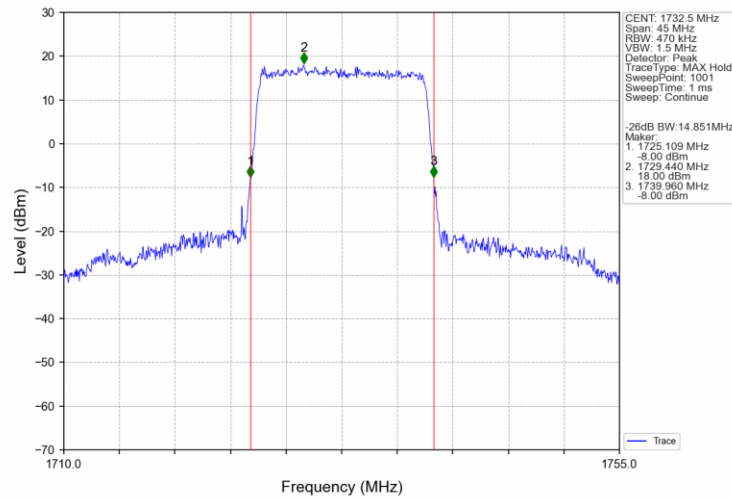
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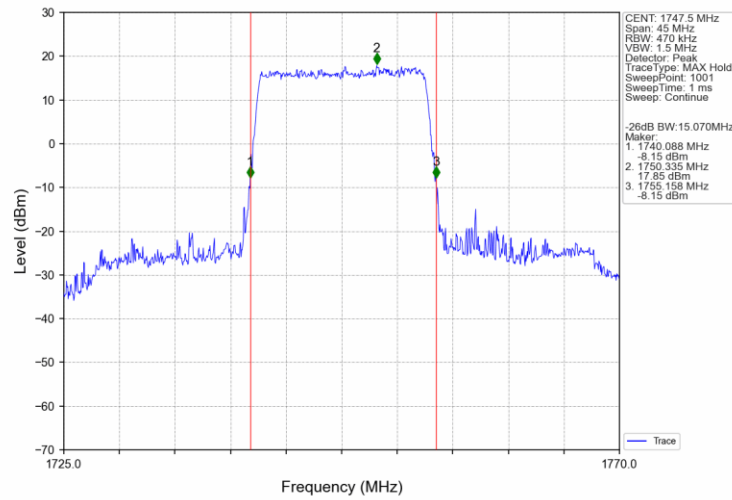
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

