

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	23.69	-2.04	21.65	<=30	Pass
			2	23.81	-2.04	21.77	<=30	Pass
			5	23.70	-2.04	21.66	<=30	Pass
		3	0	23.71	-2.04	21.67	<=30	Pass
			2	23.75	-2.04	21.71	<=30	Pass
			3	23.74	-2.04	21.70	<=30	Pass
		6	0	22.71	-2.04	20.67	<=30	Pass
	1732.5	1	0	23.22	-2.04	21.18	<=30	Pass
			2	23.44	-2.04	21.40	<=30	Pass
			5	23.09	-2.04	21.05	<=30	Pass
		3	0	23.23	-2.04	21.19	<=30	Pass
			2	23.26	-2.04	21.22	<=30	Pass
			3	23.22	-2.04	21.18	<=30	Pass
		6	0	22.17	-2.04	20.13	<=30	Pass
	1754.3	1	0	23.01	-2.04	20.97	<=30	Pass
			2	23.23	-2.04	21.19	<=30	Pass
			5	23.00	-2.04	20.96	<=30	Pass
		3	0	23.13	-2.04	21.09	<=30	Pass
			2	23.14	-2.04	21.10	<=30	Pass
			3	23.11	-2.04	21.07	<=30	Pass
		6	0	22.10	-2.04	20.06	<=30	Pass
16QAM	1710.7	1	0	22.63	-2.04	20.59	<=30	Pass
			2	22.73	-2.04	20.69	<=30	Pass
			5	22.69	-2.04	20.65	<=30	Pass
		3	0	22.74	-2.04	20.70	<=30	Pass
			2	22.73	-2.04	20.69	<=30	Pass
			3	22.67	-2.04	20.63	<=30	Pass
		6	0	21.51	-2.04	19.47	<=30	Pass
	1732.5	1	0	22.29	-2.04	20.25	<=30	Pass
			2	22.41	-2.04	20.37	<=30	Pass
			5	22.28	-2.04	20.24	<=30	Pass
		3	0	22.15	-2.04	20.11	<=30	Pass
			2	22.21	-2.04	20.17	<=30	Pass
			3	22.24	-2.04	20.20	<=30	Pass
		6	0	21.26	-2.04	19.22	<=30	Pass
	1754.3	1	0	21.96	-2.04	19.92	<=30	Pass
			2	22.09	-2.04	20.05	<=30	Pass
			5	21.97	-2.04	19.93	<=30	Pass
		3	0	22.25	-2.04	20.21	<=30	Pass
			2	22.30	-2.04	20.26	<=30	Pass
			3	22.28	-2.04	20.24	<=30	Pass
		6	0	21.12	-2.04	19.08	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.80	-2.04	21.76	<=30	Pass
			7	23.65	-2.04	21.61	<=30	Pass
			14	23.20	-2.04	21.16	<=30	Pass
		8	0	22.18	-2.04	20.14	<=30	Pass
			4	22.20	-2.04	20.16	<=30	Pass
			7	22.22	-2.04	20.18	<=30	Pass
		15	0	22.17	-2.04	20.13	<=30	Pass
	1732.5	1	0	23.14	-2.04	21.10	<=30	Pass
			7	23.29	-2.04	21.25	<=30	Pass
			14	23.12	-2.04	21.08	<=30	Pass
		8	0	22.18	-2.04	20.14	<=30	Pass
			4	22.18	-2.04	20.14	<=30	Pass
			7	22.13	-2.04	20.09	<=30	Pass
		15	0	22.18	-2.04	20.14	<=30	Pass
	1753.5	1	0	23.09	-2.04	21.05	<=30	Pass
			7	23.21	-2.04	21.17	<=30	Pass
			14	23.04	-2.04	21.00	<=30	Pass
		8	0	22.07	-2.04	20.03	<=30	Pass
			4	22.09	-2.04	20.05	<=30	Pass
			7	22.07	-2.04	20.03	<=30	Pass
		15	0	22.04	-2.04	20.00	<=30	Pass
16QAM	1711.5	1	0	22.21	-2.04	20.17	<=30	Pass
			7	22.35	-2.04	20.31	<=30	Pass
			14	22.14	-2.04	20.10	<=30	Pass
		8	0	21.27	-2.04	19.23	<=30	Pass
			4	21.31	-2.04	19.27	<=30	Pass
			7	21.29	-2.04	19.25	<=30	Pass
		15	0	21.28	-2.04	19.24	<=30	Pass
	1732.5	1	0	22.39	-2.04	20.35	<=30	Pass
			7	22.48	-2.04	20.44	<=30	Pass
			14	22.34	-2.04	20.30	<=30	Pass
		8	0	21.21	-2.04	19.17	<=30	Pass
			4	21.23	-2.04	19.19	<=30	Pass
			7	21.20	-2.04	19.16	<=30	Pass
		15	0	21.21	-2.04	19.17	<=30	Pass
	1753.5	1	0	22.50	-2.04	20.46	<=30	Pass
			7	22.65	-2.04	20.61	<=30	Pass
			14	22.51	-2.04	20.47	<=30	Pass
		8	0	21.23	-2.04	19.19	<=30	Pass
			4	21.27	-2.04	19.23	<=30	Pass
			7	21.23	-2.04	19.19	<=30	Pass
		15	0	21.14	-2.04	19.10	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.13	-2.04	21.09	<=30	Pass
			13	23.23	-2.04	21.19	<=30	Pass
			24	23.11	-2.04	21.07	<=30	Pass
		12	0	22.14	-2.04	20.10	<=30	Pass
			6	22.23	-2.04	20.19	<=30	Pass
			13	22.20	-2.04	20.16	<=30	Pass
		25	0	22.17	-2.04	20.13	<=30	Pass

16QAM	1732.5	1	0	23.09	-2.04	21.05	<=30	Pass
			13	23.21	-2.04	21.17	<=30	Pass
			24	23.09	-2.04	21.05	<=30	Pass
		12	0	22.19	-2.04	20.15	<=30	Pass
			6	22.19	-2.04	20.15	<=30	Pass
			13	22.18	-2.04	20.14	<=30	Pass
		25	0	22.20	-2.04	20.16	<=30	Pass
	1752.5	1	0	22.99	-2.04	20.95	<=30	Pass
			13	23.10	-2.04	21.06	<=30	Pass
			24	23.00	-2.04	20.96	<=30	Pass
		12	0	22.02	-2.04	19.98	<=30	Pass
			6	22.04	-2.04	20.00	<=30	Pass
			13	22.08	-2.04	20.04	<=30	Pass
		25	0	22.04	-2.04	20.00	<=30	Pass
16QAM	1712.5	1	0	22.17	-2.04	20.13	<=30	Pass
			13	22.23	-2.04	20.19	<=30	Pass
			24	22.17	-2.04	20.13	<=30	Pass
		12	0	21.17	-2.04	19.13	<=30	Pass
			6	21.25	-2.04	19.21	<=30	Pass
			13	21.24	-2.04	19.20	<=30	Pass
		25	0	21.22	-2.04	19.18	<=30	Pass
	1732.5	1	0	22.40	-2.04	20.36	<=30	Pass
			13	22.50	-2.04	20.46	<=30	Pass
			24	22.32	-2.04	20.28	<=30	Pass
		12	0	21.30	-2.04	19.26	<=30	Pass
			6	21.32	-2.04	19.28	<=30	Pass
			13	21.22	-2.04	19.18	<=30	Pass
		25	0	21.24	-2.04	19.20	<=30	Pass
	1752.5	1	0	21.80	-2.04	19.76	<=30	Pass
			13	21.88	-2.04	19.84	<=30	Pass
			24	21.82	-2.04	19.78	<=30	Pass
		12	0	21.03	-2.04	18.99	<=30	Pass
			6	21.11	-2.04	19.07	<=30	Pass
			13	21.05	-2.04	19.01	<=30	Pass
		25	0	21.11	-2.04	19.07	<=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	23.20	-2.04	21.16	<=30	Pass
			25	23.40	-2.04	21.36	<=30	Pass
			49	23.21	-2.04	21.17	<=30	Pass
		25	0	22.15	-2.04	20.11	<=30	Pass
			13	22.19	-2.04	20.15	<=30	Pass
			25	22.25	-2.04	20.21	<=30	Pass
		50	0	22.22	-2.04	20.18	<=30	Pass
	1732.5	1	0	23.18	-2.04	21.14	<=30	Pass
			25	23.30	-2.04	21.26	<=30	Pass
			49	23.13	-2.04	21.09	<=30	Pass
		25	0	22.28	-2.04	20.24	<=30	Pass
			13	22.22	-2.04	20.18	<=30	Pass
			25	22.21	-2.04	20.17	<=30	Pass
		50	0	22.23	-2.04	20.19	<=30	Pass
	1750	1	0	23.11	-2.04	21.07	<=30	Pass
			25	23.29	-2.04	21.25	<=30	Pass

16QAM	1715	25	49	23.10	-2.04	21.06	<=30	Pass
			0	22.03	-2.04	19.99	<=30	Pass
			13	22.07	-2.04	20.03	<=30	Pass
			25	22.11	-2.04	20.07	<=30	Pass
		50	0	22.08	-2.04	20.04	<=30	Pass
	1732.5	1	0	22.35	-2.04	20.31	<=30	Pass
			25	22.50	-2.04	20.46	<=30	Pass
			49	22.33	-2.04	20.29	<=30	Pass
		25	0	21.24	-2.04	19.20	<=30	Pass
			13	21.28	-2.04	19.24	<=30	Pass
			25	21.34	-2.04	19.30	<=30	Pass
		50	0	21.27	-2.04	19.23	<=30	Pass
	1750	1	0	22.75	-2.04	20.71	<=30	Pass
			25	22.91	-2.04	20.87	<=30	Pass
			49	22.66	-2.04	20.62	<=30	Pass
		25	0	21.43	-2.04	19.39	<=30	Pass
			13	21.36	-2.04	19.32	<=30	Pass
			25	21.33	-2.04	19.29	<=30	Pass
		50	0	21.34	-2.04	19.30	<=30	Pass
		1	0	22.02	-2.04	19.98	<=30	Pass
			25	22.19	-2.04	20.15	<=30	Pass
			49	22.03	-2.04	19.99	<=30	Pass
		25	0	21.16	-2.04	19.12	<=30	Pass
			13	21.14	-2.04	19.10	<=30	Pass
			25	21.19	-2.04	19.15	<=30	Pass
		50	0	21.15	-2.04	19.11	<=30	Pass

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	23.11	-2.04	21.07	<=30	Pass
			38	23.22	-2.04	21.18	<=30	Pass
			74	23.08	-2.04	21.04	<=30	Pass
		36	0	22.25	-2.04	20.21	<=30	Pass
			18	22.34	-2.04	20.30	<=30	Pass
			39	22.31	-2.04	20.27	<=30	Pass
		75	0	22.31	-2.04	20.27	<=30	Pass
	1732.5	1	0	23.09	-2.04	21.05	<=30	Pass
			38	23.18	-2.04	21.14	<=30	Pass
			74	23.00	-2.04	20.96	<=30	Pass
		36	0	22.26	-2.04	20.22	<=30	Pass
			18	22.22	-2.04	20.18	<=30	Pass
			39	22.19	-2.04	20.15	<=30	Pass
		75	0	22.21	-2.04	20.17	<=30	Pass
	1747.5	1	0	22.98	-2.04	20.94	<=30	Pass
			38	23.08	-2.04	21.04	<=30	Pass
			74	22.94	-2.04	20.90	<=30	Pass
		36	0	22.15	-2.04	20.11	<=30	Pass
			18	22.19	-2.04	20.15	<=30	Pass
			39	22.19	-2.04	20.15	<=30	Pass
		75	0	22.17	-2.04	20.13	<=30	Pass
16QAM	1717.5	1	0	22.59	-2.04	20.55	<=30	Pass
			38	22.65	-2.04	20.61	<=30	Pass
			74	22.63	-2.04	20.59	<=30	Pass
		36	0	21.26	-2.04	19.22	<=30	Pass

		75	18	21.33	-2.04	19.29	<=30	Pass
			39	21.32	-2.04	19.28	<=30	Pass
			0	21.29	-2.04	19.25	<=30	Pass
	1732.5	1	0	22.48	-2.04	20.44	<=30	Pass
			38	22.60	-2.04	20.56	<=30	Pass
			74	22.35	-2.04	20.31	<=30	Pass
		36	0	21.28	-2.04	19.24	<=30	Pass
			18	21.22	-2.04	19.18	<=30	Pass
			39	21.17	-2.04	19.13	<=30	Pass
		75	0	21.25	-2.04	19.21	<=30	Pass
	1747.5	1	0	22.10	-2.04	20.06	<=30	Pass
			38	22.17	-2.04	20.13	<=30	Pass
			74	22.08	-2.04	20.04	<=30	Pass
		36	0	21.12	-2.04	19.08	<=30	Pass
			18	21.12	-2.04	19.08	<=30	Pass
			39	21.14	-2.04	19.10	<=30	Pass
		75	0	21.16	-2.04	19.12	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	22.90	-2.04	20.86	<=30	Pass
			50	23.34	-2.04	21.30	<=30	Pass
			99	22.88	-2.04	20.84	<=30	Pass
		50	0	22.08	-2.04	20.04	<=30	Pass
			25	22.22	-2.04	20.18	<=30	Pass
			50	22.15	-2.04	20.11	<=30	Pass
		100	0	22.16	-2.04	20.12	<=30	Pass
	1732.5	1	0	22.95	-2.04	20.91	<=30	Pass
			50	23.31	-2.04	21.27	<=30	Pass
			99	22.85	-2.04	20.81	<=30	Pass
		50	0	22.26	-2.04	20.22	<=30	Pass
			25	22.24	-2.04	20.20	<=30	Pass
			50	22.14	-2.04	20.10	<=30	Pass
		100	0	22.21	-2.04	20.17	<=30	Pass
	1745	1	0	22.85	-2.04	20.81	<=30	Pass
			50	23.23	-2.04	21.19	<=30	Pass
			99	22.82	-2.04	20.78	<=30	Pass
		50	0	22.03	-2.04	19.99	<=30	Pass
			25	22.06	-2.04	20.02	<=30	Pass
			50	22.05	-2.04	20.01	<=30	Pass
		100	0	22.06	-2.04	20.02	<=30	Pass
16QAM	1720	1	0	22.42	-2.04	20.38	<=30	Pass
			50	22.82	-2.04	20.78	<=30	Pass
			99	22.50	-2.04	20.46	<=30	Pass
		50	0	21.14	-2.04	19.10	<=30	Pass
			25	21.28	-2.04	19.24	<=30	Pass
			50	21.22	-2.04	19.18	<=30	Pass
		100	0	21.22	-2.04	19.18	<=30	Pass
	1732.5	1	0	22.15	-2.04	20.11	<=30	Pass
			50	22.54	-2.04	20.50	<=30	Pass
			99	22.00	-2.04	19.96	<=30	Pass
		50	0	21.32	-2.04	19.28	<=30	Pass
			25	21.30	-2.04	19.26	<=30	Pass
			50	21.18	-2.04	19.14	<=30	Pass



	1745	100	0	21.29	-2.04	19.25	<=30	Pass
		1	0	22.21	-2.04	20.17	<=30	Pass
			50	22.41	-2.04	20.37	<=30	Pass
			99	22.01	-2.04	19.97	<=30	Pass
		50	0	21.09	-2.04	19.05	<=30	Pass
			25	21.09	-2.04	19.05	<=30	Pass
			50	21.11	-2.04	19.07	<=30	Pass
		100	0	21.12	-2.04	19.08	<=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	6.595	0.0039	-2.5 to 2.5	Pass
					3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
					4.43	0.472	0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				-10	3.85	6.294	0.0037	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				10	3.85	-6.094	-0.0036	-2.5 to 2.5	Pass
				30	3.85	6.108	0.0036	-2.5 to 2.5	Pass
				40	3.85	-6.824	-0.0040	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-3.705	-0.0021	-2.5 to 2.5	Pass
					3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
					4.43	-4.191	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-7.339	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				40	3.85	3.505	0.0020	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-0.415	-0.0002	-2.5 to 2.5	Pass
					3.85	2.975	0.0017	-2.5 to 2.5	Pass
					4.43	-4.492	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				0	3.85	-6.924	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-7.153	-0.0041	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	1.788	0.0010	-2.5 to 2.5	Pass
					3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
					4.43	-4.249	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass

				-20	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.503	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-5.922	-0.0035	-2.5 to 2.5	Pass
				40	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				50	3.85	0.358	0.0002	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-1.101	-0.0006	-2.5 to 2.5	Pass
					3.85	-9.055	-0.0052	-2.5 to 2.5	Pass
					4.43	-3.176	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-15.607	-0.0090	-2.5 to 2.5	Pass
				50	3.85	-8.240	-0.0048	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-3.462	-0.0020	-2.5 to 2.5	Pass
					3.85	-9.856	-0.0056	-2.5 to 2.5	Pass
					4.43	0.744	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-8.640	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-7.081	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-9.899	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-7.782	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-9.856	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-7.167	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-6.566	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-2.003	-0.0011	-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	-10.414	-0.0061	-2.5 to 2.5	Pass
					3.85	-10.142	-0.0059	-2.5 to 2.5	Pass
					4.43	-3.104	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-11.673	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
				50	3.85	1.731	0.0010	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-8.254	-0.0048	-2.5 to 2.5	Pass
					3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
					4.43	-6.680	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-4.406	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-7.296	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	8.926	0.0051	-2.5 to 2.5	Pass

						3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
						4.43	-4.821	-0.0027	-2.5 to 2.5	Pass
					-30	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
					-20	3.85	-4.778	-0.0027	-2.5 to 2.5	Pass
					-10	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
					0	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
					10	3.85	0.944	0.0005	-2.5 to 2.5	Pass
					30	3.85	-4.792	-0.0027	-2.5 to 2.5	Pass
					40	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
					50	3.85	-8.011	-0.0046	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20		3.27	-6.680	-0.0039	-2.5 to 2.5	Pass
						3.85	6.523	0.0038	-2.5 to 2.5	Pass
						4.43	1.345	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass	
				-20	3.85	-4.220	-0.0025	-2.5 to 2.5	Pass	
				-10	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass	
				0	3.85	3.862	0.0023	-2.5 to 2.5	Pass	
				10	3.85	1.516	0.0009	-2.5 to 2.5	Pass	
				30	3.85	1.245	0.0007	-2.5 to 2.5	Pass	
				40	3.85	-7.439	-0.0043	-2.5 to 2.5	Pass	
				50	3.85	-0.772	-0.0005	-2.5 to 2.5	Pass	
	1732.5	15	0	20		3.27	-4.864	-0.0028	-2.5 to 2.5	Pass
						3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
						4.43	0.372	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass	
				-20	3.85	3.219	0.0019	-2.5 to 2.5	Pass	
				-10	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass	
				0	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass	
				10	3.85	0.901	0.0005	-2.5 to 2.5	Pass	
				30	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass	
				40	3.85	-4.506	-0.0026	-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	-7.510	-0.0043	-2.5 to 2.5	Pass
						3.85	4.749	0.0027	-2.5 to 2.5	Pass
						4.43	-9.999	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass	
				-20	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass	
				-10	3.85	-4.978	-0.0028	-2.5 to 2.5	Pass	
				0	3.85	-8.869	-0.0051	-2.5 to 2.5	Pass	
				10	3.85	1.602	0.0009	-2.5 to 2.5	Pass	
				30	3.85	-8.183	-0.0047	-2.5 to 2.5	Pass	
				40	3.85	-7.510	-0.0043	-2.5 to 2.5	Pass	
				50	3.85	-5.479	-0.0031	-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	-8.798	-0.0051	-2.5 to 2.5	Pass
					3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
					4.43	-5.193	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	2.160	0.0013	-2.5 to 2.5	Pass
				-10	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass

				40	3.85	-1.659	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-7.496	-0.0044	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.873	0.0005	-2.5 to 2.5	Pass
					3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
					4.43	-6.237	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				30	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				40	3.85	-7.653	-0.0044	-2.5 to 2.5	Pass
				50	3.85	0.787	0.0005	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-4.706	-0.0027	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
					4.43	-5.336	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-12.803	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	2.618	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-8.454	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-2.189	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-11.730	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-4.964	-0.0028	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-2.046	-0.0012	-2.5 to 2.5	Pass
					3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
					4.43	-7.110	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-6.266	-0.0037	-2.5 to 2.5	Pass
				0	3.85	7.553	0.0044	-2.5 to 2.5	Pass
				10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				50	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-6.137	-0.0035	-2.5 to 2.5	Pass
					3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
					4.43	-8.526	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-6.323	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-6.480	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-6.466	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-8.569	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	2.575	0.0015	-2.5 to 2.5	Pass
					3.85	-9.885	-0.0056	-2.5 to 2.5	Pass
					4.43	-4.420	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-10.600	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-7.954	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-12.188	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-8.569	-0.0049	-2.5 to 2.5	Pass
				40	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				50	3.85	-6.080	-0.0035	-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	-5.965	-0.0035	-2.5 to 2.5	Pass
					3.85	-5.522	-0.0032	-2.5 to 2.5	Pass
					4.43	-6.795	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-9.413	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-7.167	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-9.155	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-5.264	-0.0031	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-2.632	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
					4.43	-7.067	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-3.691	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-9.584	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-10.514	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-3.977	-0.0023	-2.5 to 2.5	Pass
				30	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				40	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.717	0.0010	-2.5 to 2.5	Pass
					3.85	-8.039	-0.0046	-2.5 to 2.5	Pass
					4.43	-7.195	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-10.343	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-8.025	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-13.547	-0.0079	-2.5 to 2.5	Pass
					3.85	-4.234	-0.0025	-2.5 to 2.5	Pass
					4.43	-1.731	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-8.469	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-9.055	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.287	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-8.512	-0.0050	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-7.281	-0.0042	-2.5 to 2.5	Pass
					3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
					4.43	0.386	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-10.171	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				40	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				50	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass

	1750	50	0	20	3.27	-5.836	-0.0033	-2.5 to 2.5	Pass
					3.85	-8.540	-0.0049	-2.5 to 2.5	Pass
					4.43	1.273	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-8.283	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-5.965	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-5.522	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-4.964	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-12.460	-0.0071	-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	-10.400	-0.0061	-2.5 to 2.5	Pass
					3.85	-9.255	-0.0054	-2.5 to 2.5	Pass
					4.43	-8.111	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-7.353	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-9.241	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-8.440	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-8.125	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-11.101	-0.0065	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-5.078	-0.0029	-2.5 to 2.5	Pass
					3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
					4.43	-4.392	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-6.967	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-6.995	-0.0040	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-11.473	-0.0066	-2.5 to 2.5	Pass
					3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
					4.43	-11.702	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-7.625	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-9.928	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-7.839	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-9.770	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-6.795	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-7.610	-0.0044	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-7.281	-0.0042	-2.5 to 2.5	Pass
					3.85	-10.972	-0.0064	-2.5 to 2.5	Pass
					4.43	-7.181	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-5.808	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-9.742	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-10.915	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass

				30	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-5.479	-0.0032	-2.5 to 2.5	Pass
					3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
					4.43	-5.236	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-9.127	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-4.807	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-9.871	-0.0056	-2.5 to 2.5	Pass
					3.85	-6.366	-0.0036	-2.5 to 2.5	Pass
					4.43	-9.184	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-6.995	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-8.411	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-8.111	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-13.361	-0.0076	-2.5 to 2.5	Pass
				40	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-4.807	-0.0028	-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	-5.665	-0.0033	-2.5 to 2.5	Pass
					3.85	-2.160	-0.0013	-2.5 to 2.5	Pass
					4.43	-7.868	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-4.764	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				0	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				10	3.85	-6.309	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-6.495	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-8.440	-0.0049	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-1.874	-0.0011	-2.5 to 2.5	Pass
					3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
					4.43	2.117	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-7.081	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-10.014	-0.0057	-2.5 to 2.5	Pass
					3.85	-4.249	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.722	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass

16QAM	1720	100	0	-10	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-3.748	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-8.683	-0.0050	-2.5 to 2.5	Pass
	1732.5	100	0	50	3.85	-11.201	-0.0064	-2.5 to 2.5	Pass
				20	3.27	-6.738	-0.0039	-2.5 to 2.5	Pass
					3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
					4.43	-7.825	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-8.197	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
				0	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				10	3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-7.496	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-7.167	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-4.964	-0.0029	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-2.789	-0.0016	-2.5 to 2.5	Pass
					3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
					4.43	0.243	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-4.907	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				20	3.27	-3.133	-0.0018	-2.5 to 2.5	Pass
					3.85	-7.110	-0.0041	-2.5 to 2.5	Pass
					4.43	-4.363	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-10.357	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-8.969	-0.0051	-2.5 to 2.5	Pass
				10	3.85	2.003	0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-6.108	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTVN						
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 B4_3MHz

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

3.1.3 B4_5MHz

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

3.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
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

3.1.5 B4_15MHz

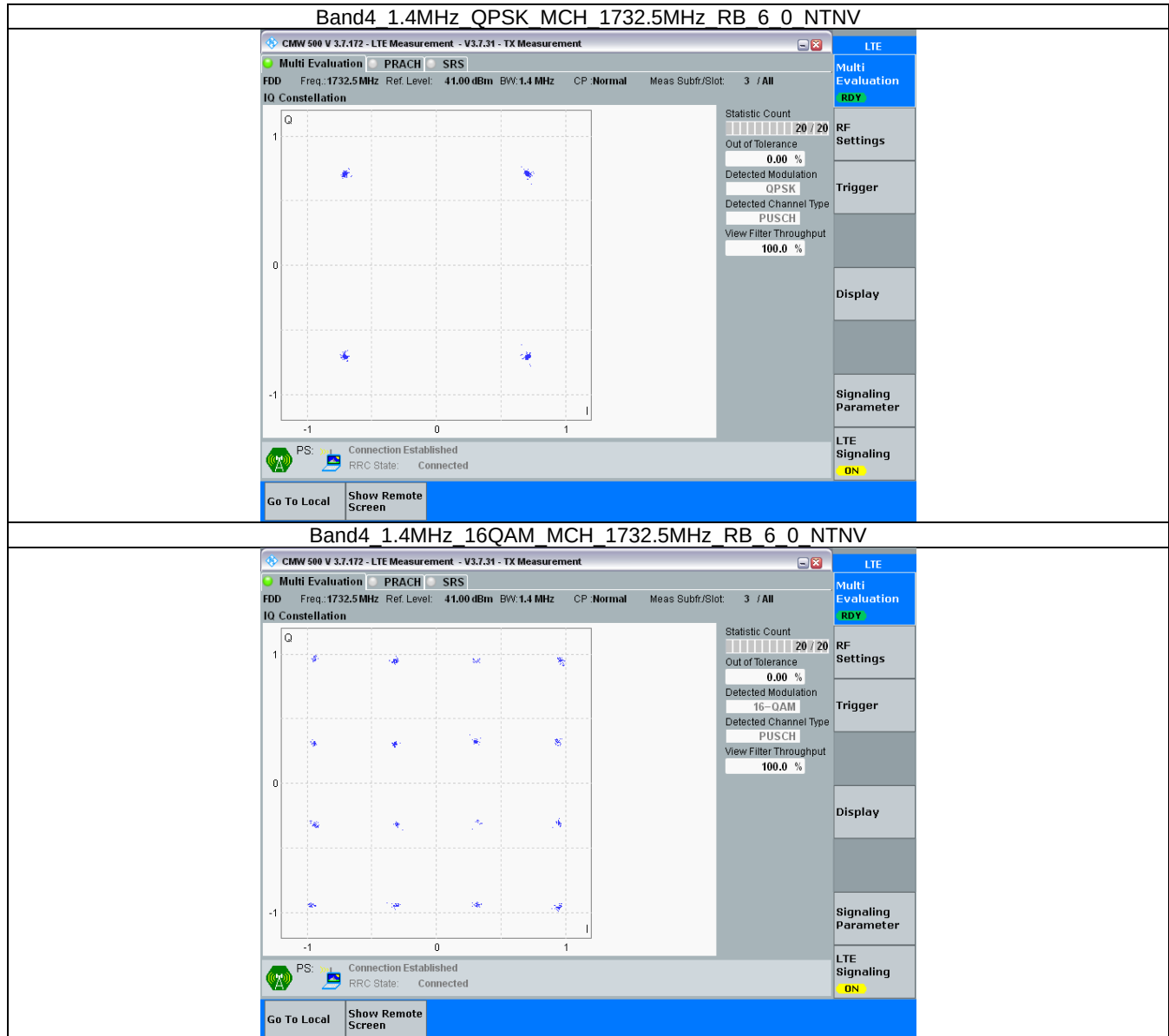
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

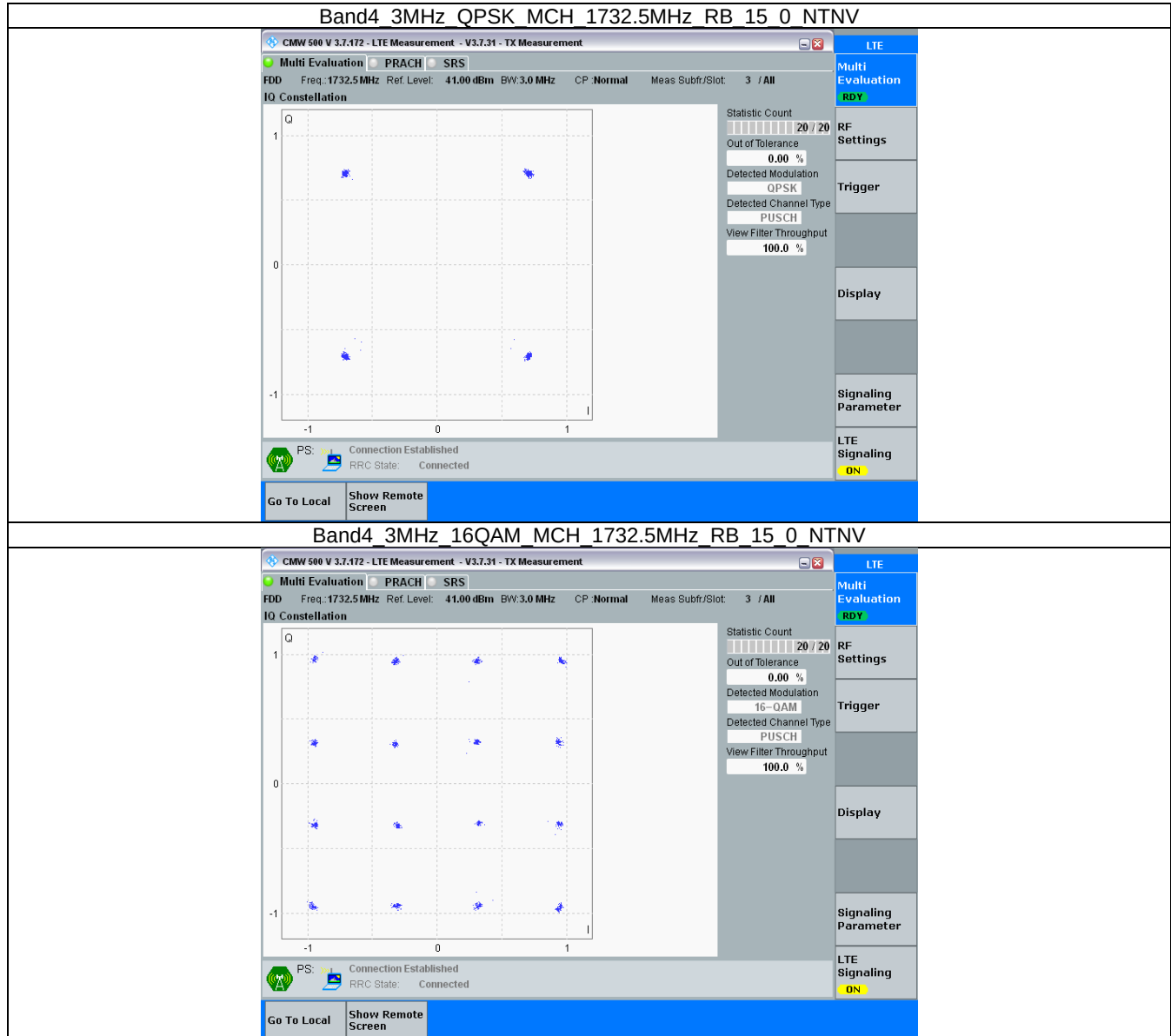
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

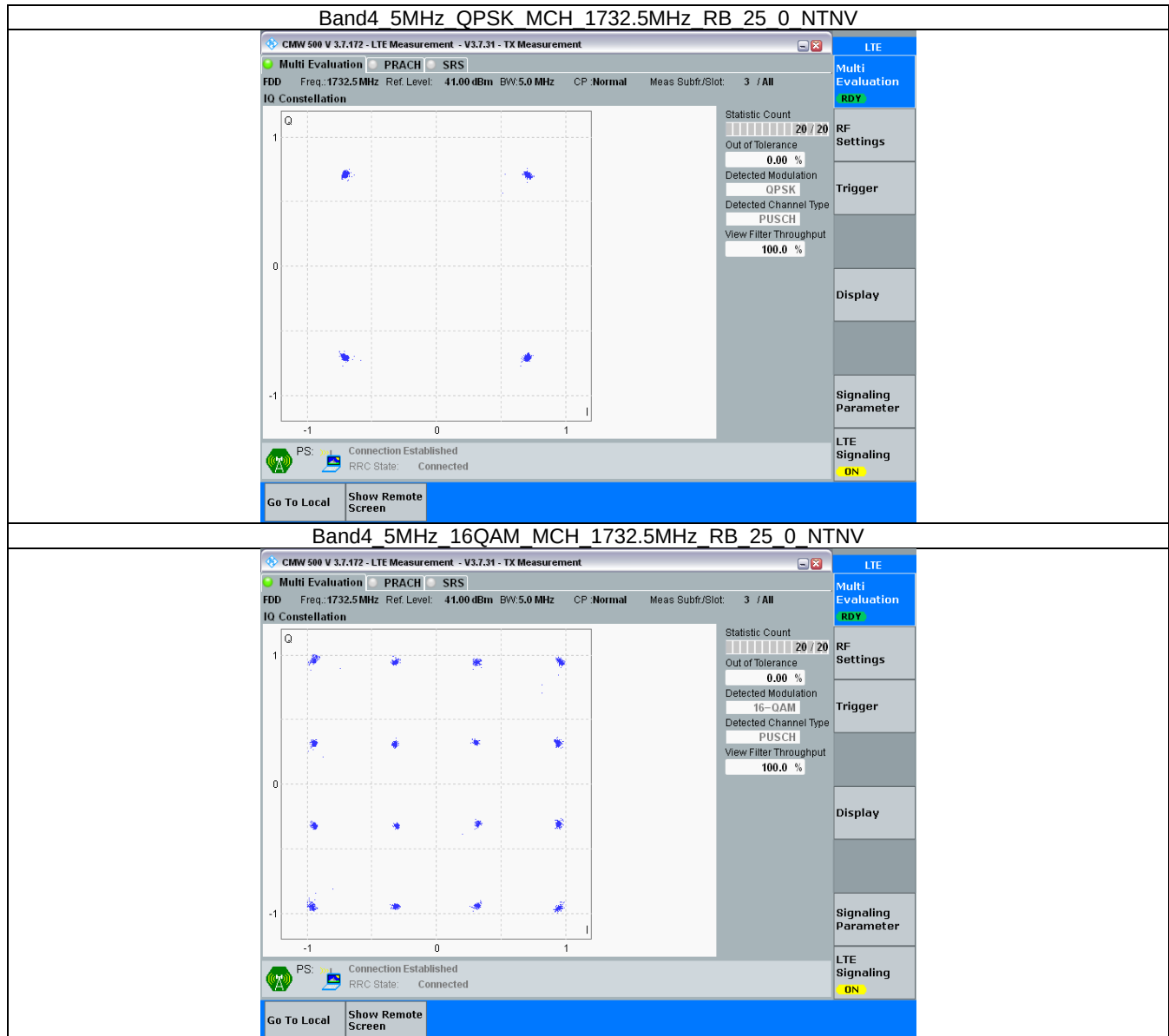
3.2.1 B4_1.4MHz



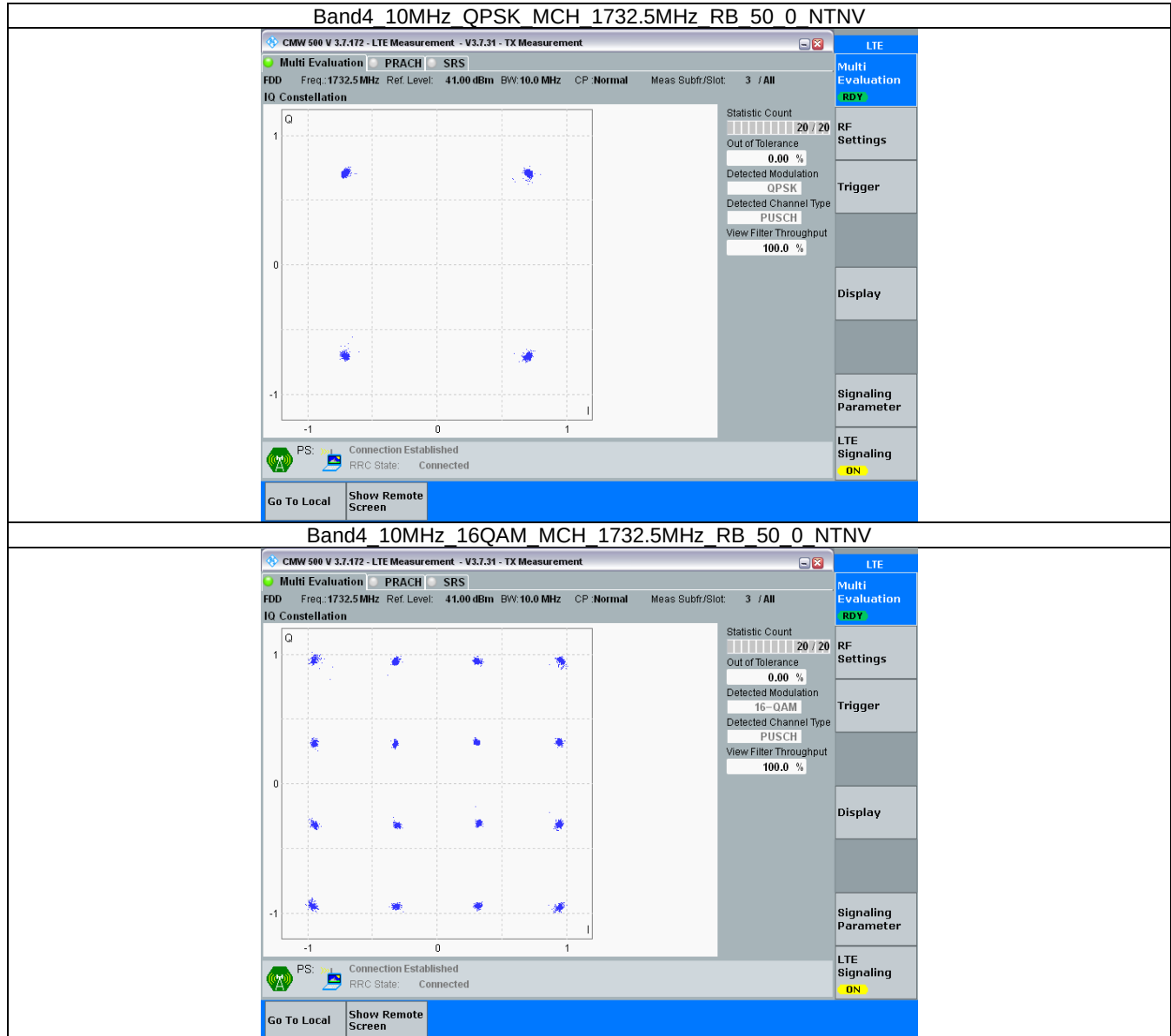
3.2.2 B4_3MHz



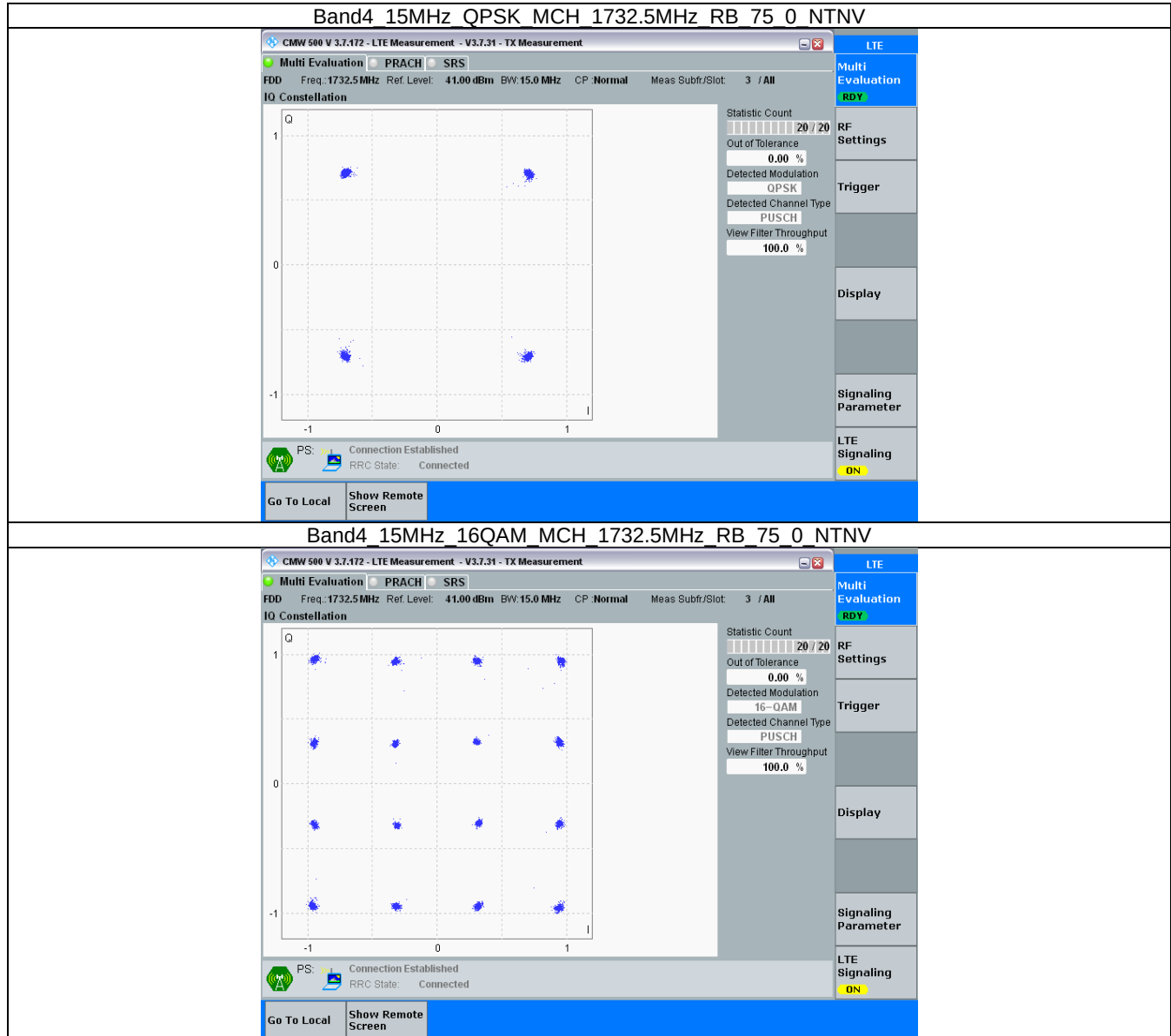
3.2.3 B4_5MHz



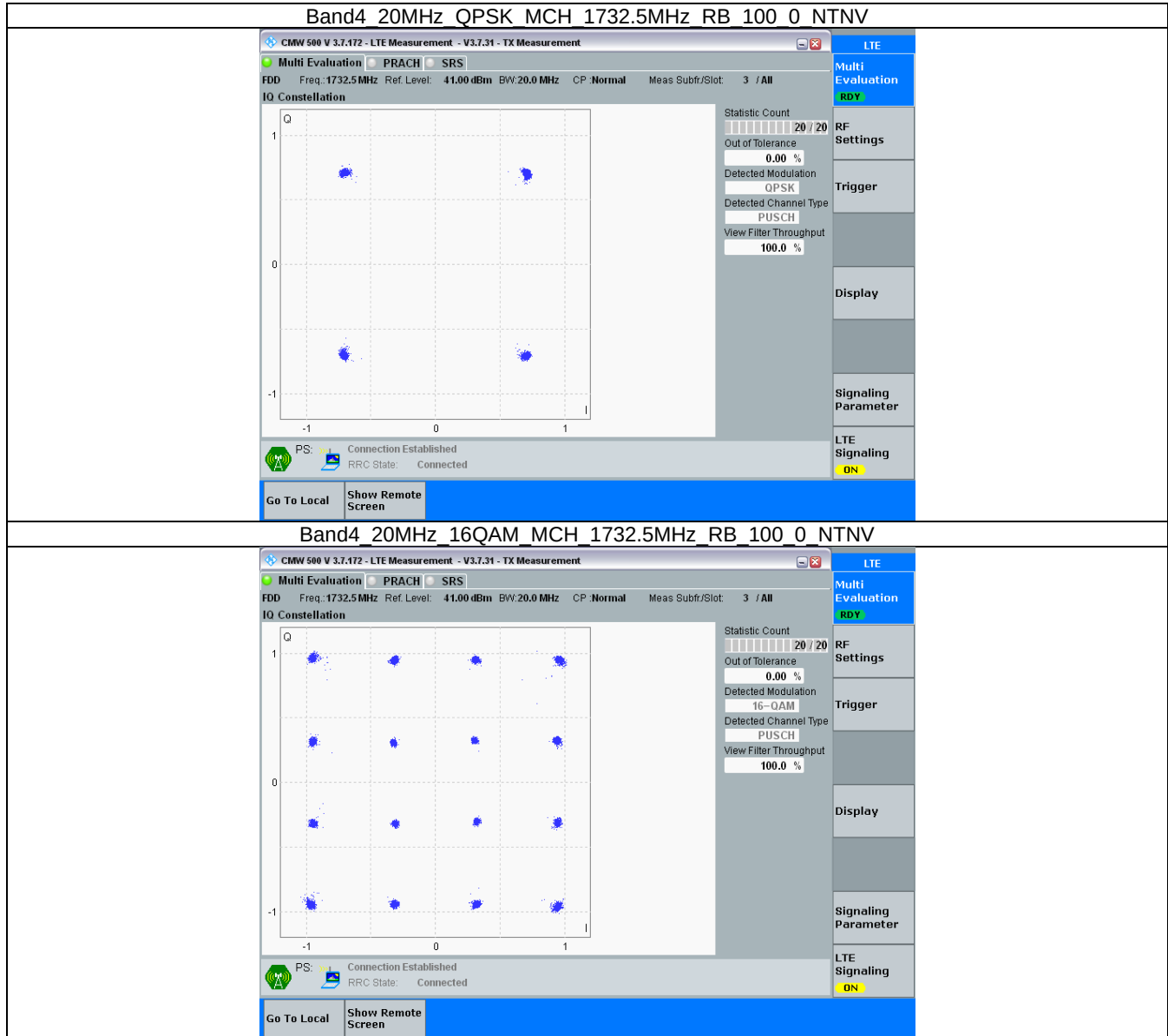
3.2.4 B4_10MHz



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	1.118	/	Pass
		1732.5	6	0	1.112	/	Pass
		1754.3	6	0	1.111	/	Pass
	16QAM	1710.7	6	0	1.109	/	Pass
		1732.5	6	0	1.112	/	Pass
		1754.3	6	0	1.116	/	Pass
3	QPSK	1711.5	15	0	2.725	/	Pass
		1732.5	15	0	2.739	/	Pass
		1753.5	15	0	2.734	/	Pass
	16QAM	1711.5	15	0	2.739	/	Pass
		1732.5	15	0	2.717	/	Pass
		1753.5	15	0	2.725	/	Pass
5	QPSK	1712.5	25	0	4.554	/	Pass
		1732.5	25	0	4.541	/	Pass
		1752.5	25	0	4.535	/	Pass
	16QAM	1712.5	25	0	4.534	/	Pass
		1732.5	25	0	4.551	/	Pass
		1752.5	25	0	4.549	/	Pass
10	QPSK	1715	50	0	9.083	/	Pass
		1732.5	50	0	9.054	/	Pass
		1750	50	0	9.053	/	Pass
	16QAM	1715	50	0	9.073	/	Pass
		1732.5	50	0	9.050	/	Pass
		1750	50	0	9.051	/	Pass
15	QPSK	1717.5	75	0	13.564	/	Pass
		1732.5	75	0	13.620	/	Pass
		1747.5	75	0	13.622	/	Pass
	16QAM	1717.5	75	0	13.614	/	Pass
		1732.5	75	0	13.588	/	Pass
		1747.5	75	0	13.604	/	Pass
20	QPSK	1720	100	0	18.026	/	Pass
		1732.5	100	0	18.082	/	Pass
		1745	100	0	18.096	/	Pass
	16QAM	1720	100	0	18.085	/	Pass
		1732.5	100	0	18.162	/	Pass
		1745	100	0	18.111	/	Pass

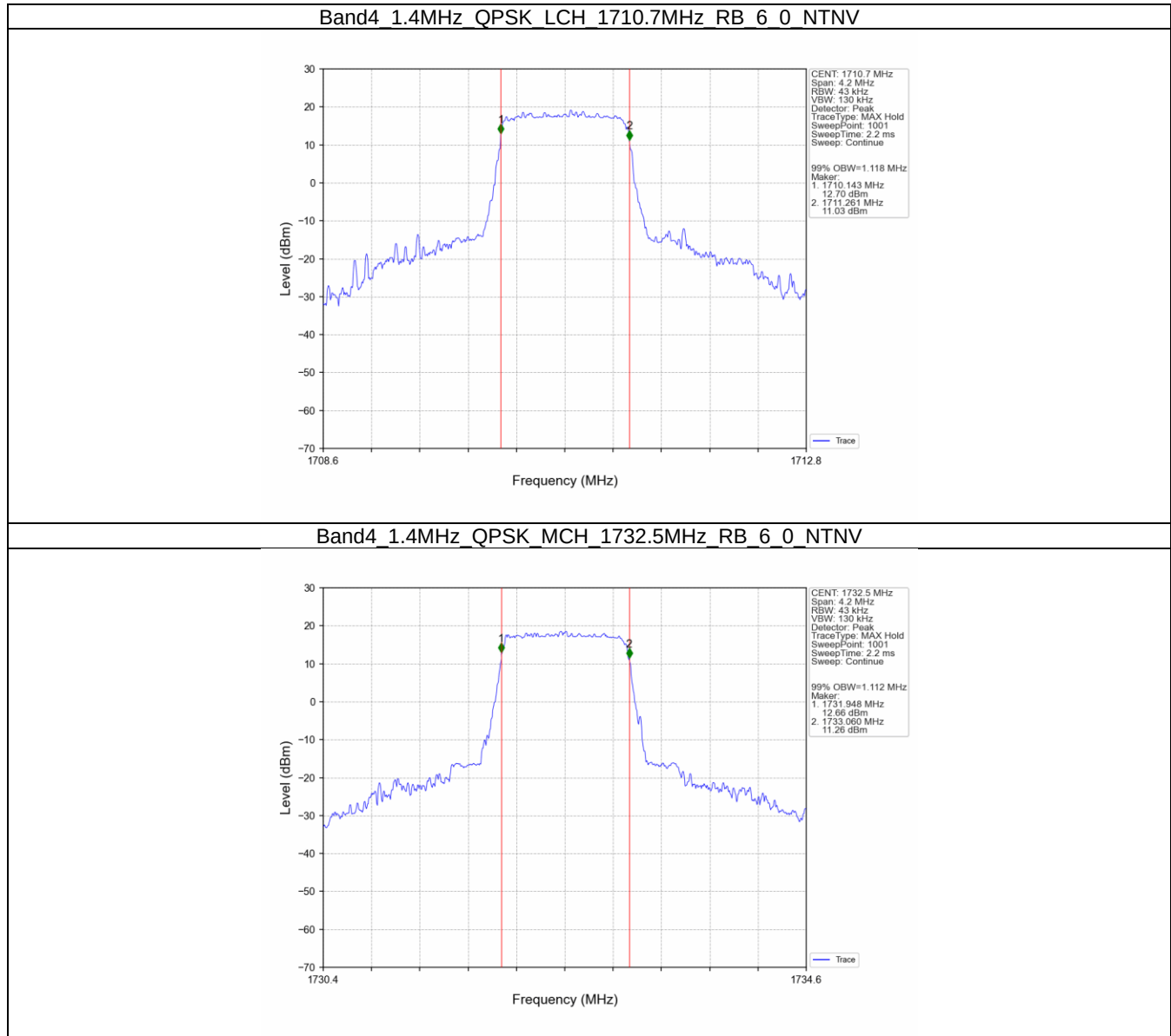
4.1.2 Band4_XDB

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	1.320	/	Pass
		1732.5	6	0	1.320	/	Pass
		1754.3	6	0	1.343	/	Pass

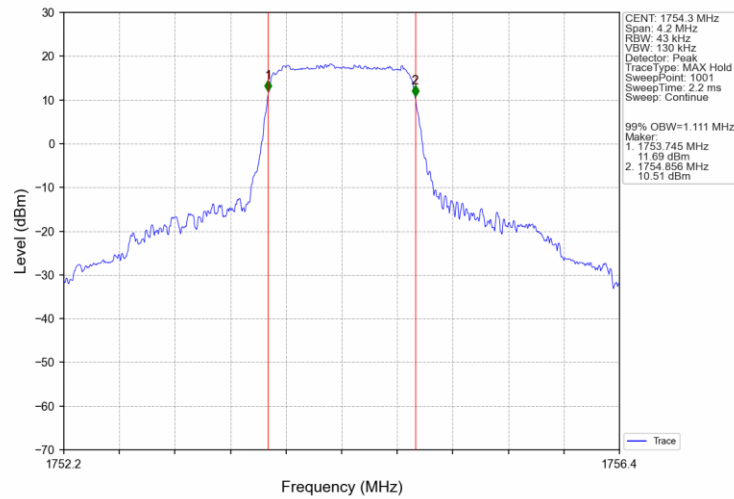
	16QAM	1710.7	6	0	1.331	/	Pass
		1732.5	6	0	1.303	/	Pass
		1754.3	6	0	1.330	/	Pass
3	QPSK	1711.5	15	0	3.005	/	Pass
		1732.5	15	0	2.991	/	Pass
		1753.5	15	0	2.992	/	Pass
	16QAM	1711.5	15	0	3.229	/	Pass
		1732.5	15	0	3.006	/	Pass
		1753.5	15	0	2.981	/	Pass
5	QPSK	1712.5	25	0	5.050	/	Pass
		1732.5	25	0	5.050	/	Pass
		1752.5	25	0	5.053	/	Pass
	16QAM	1712.5	25	0	5.015	/	Pass
		1732.5	25	0	5.037	/	Pass
		1752.5	25	0	5.017	/	Pass
10	QPSK	1715	50	0	10.260	/	Pass
		1732.5	50	0	9.992	/	Pass
		1750	50	0	9.934	/	Pass
	16QAM	1715	50	0	9.930	/	Pass
		1732.5	50	0	9.872	/	Pass
		1750	50	0	9.903	/	Pass
15	QPSK	1717.5	75	0	14.876	/	Pass
		1732.5	75	0	14.983	/	Pass
		1747.5	75	0	15.066	/	Pass
	16QAM	1717.5	75	0	18.090	/	Pass
		1732.5	75	0	14.946	/	Pass
		1747.5	75	0	14.863	/	Pass
20	QPSK	1720	100	0	19.804	/	Pass
		1732.5	100	0	19.617	/	Pass
		1745	100	0	19.928	/	Pass
	16QAM	1720	100	0	19.794	/	Pass
		1732.5	100	0	19.839	/	Pass
		1745	100	0	19.673	/	Pass

4.2 Test Graph

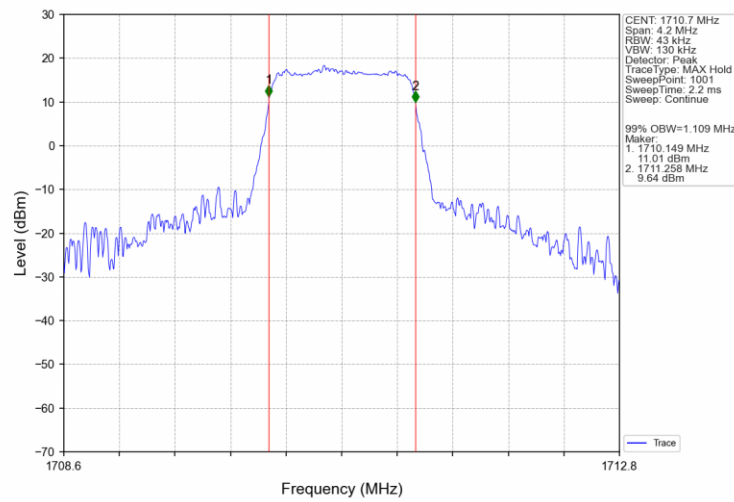
4.2.1 Band4_OBW



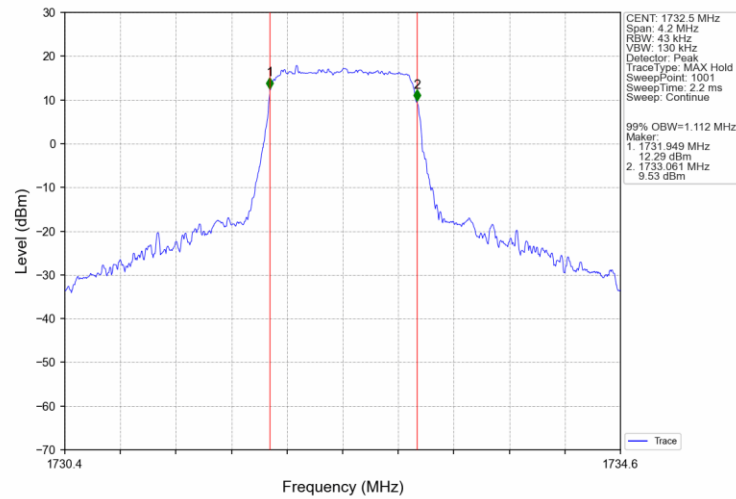
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



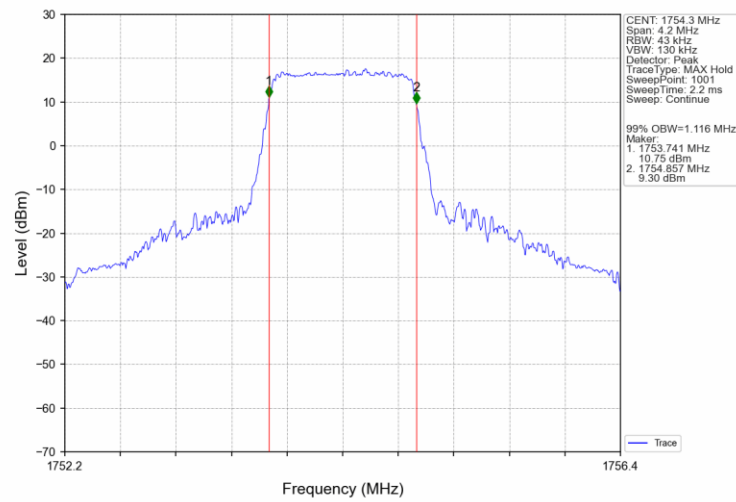
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



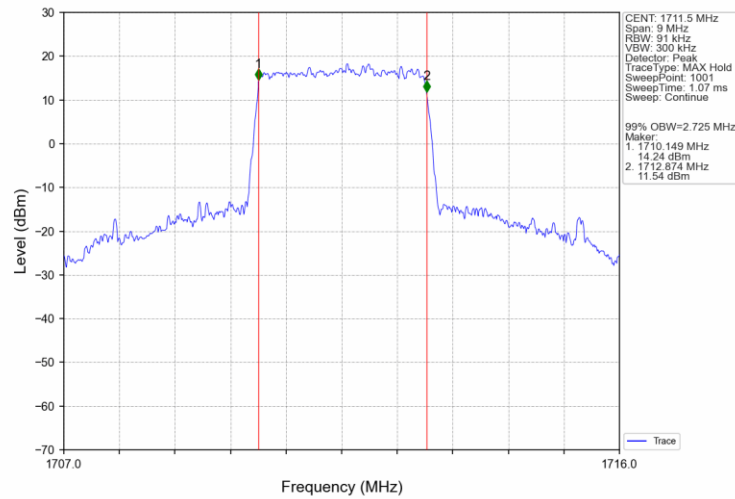
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



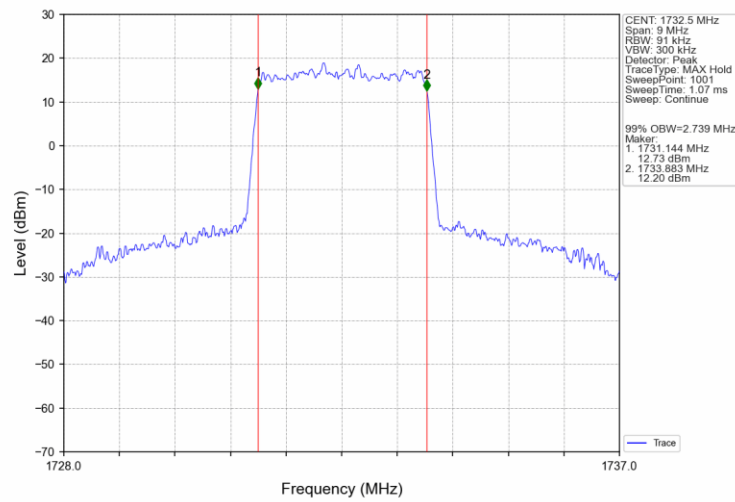
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



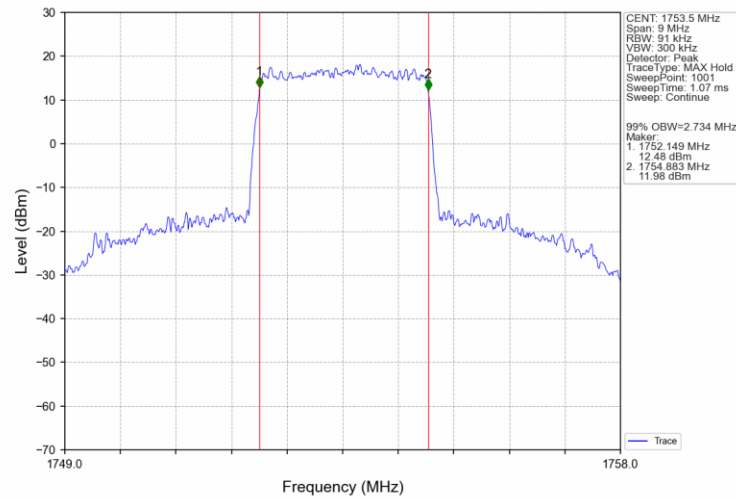
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



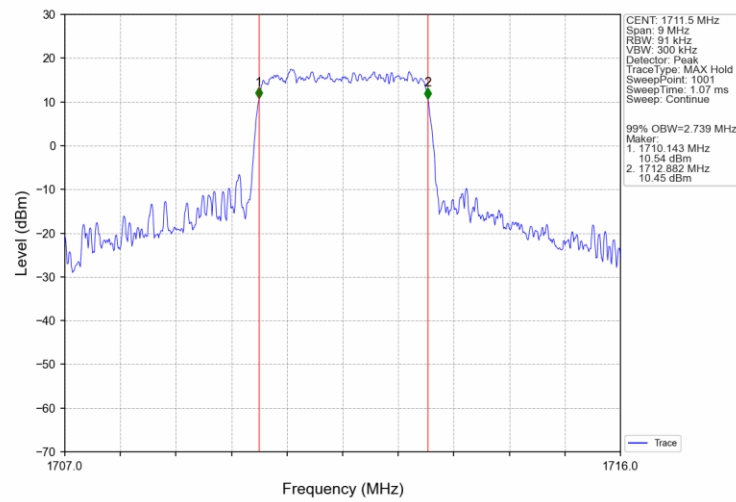
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



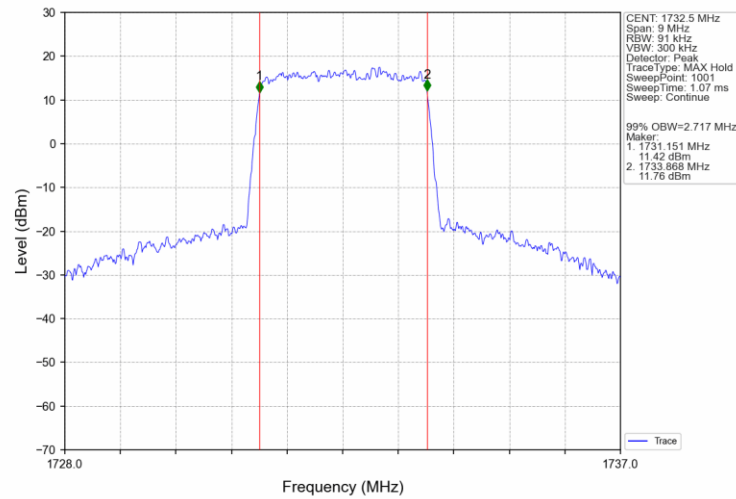
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



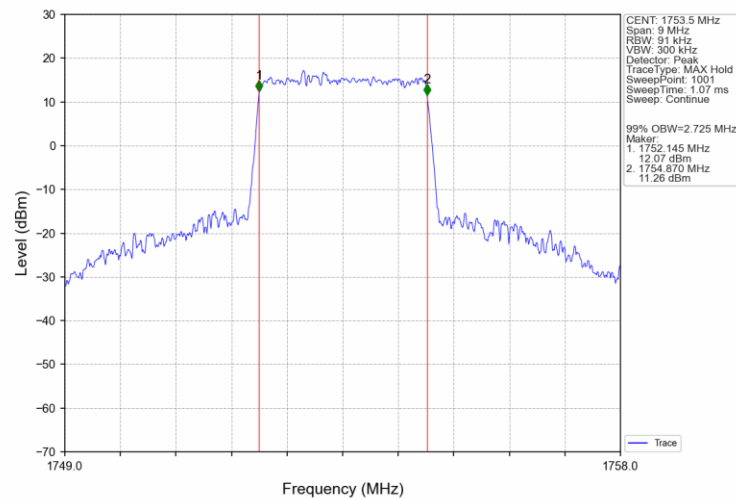
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTV



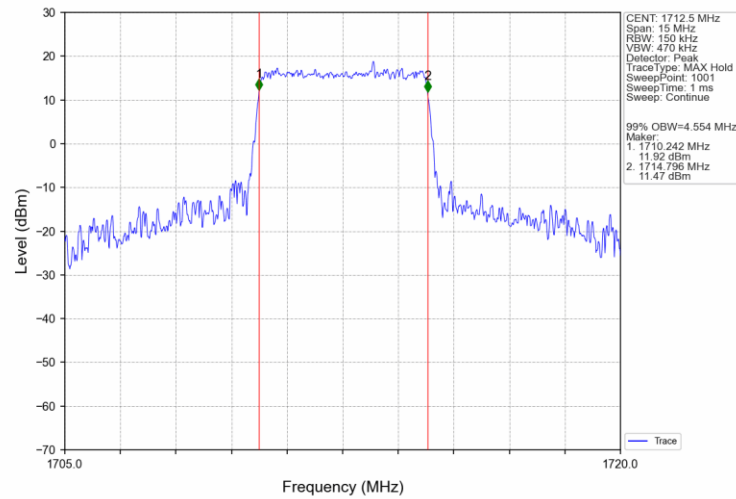
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



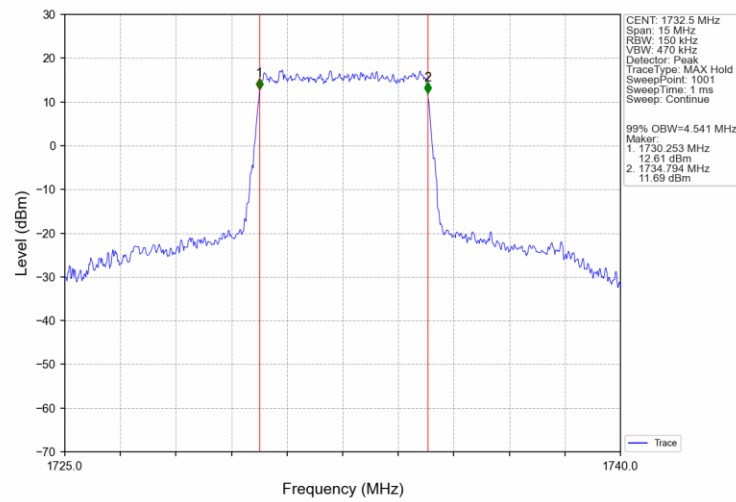
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



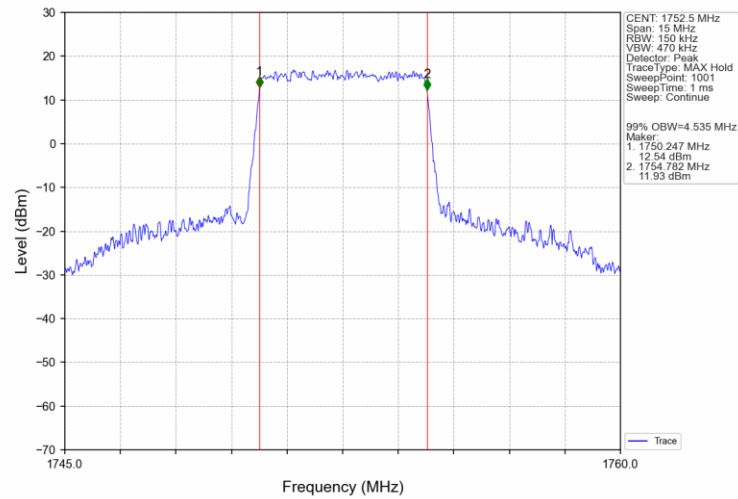
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



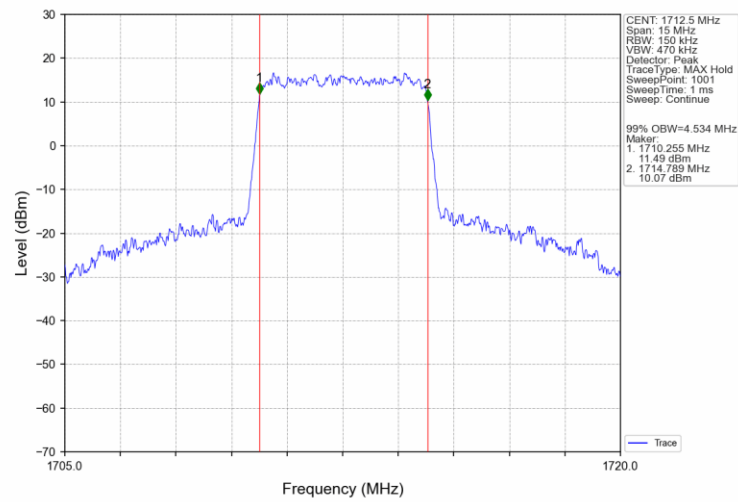
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



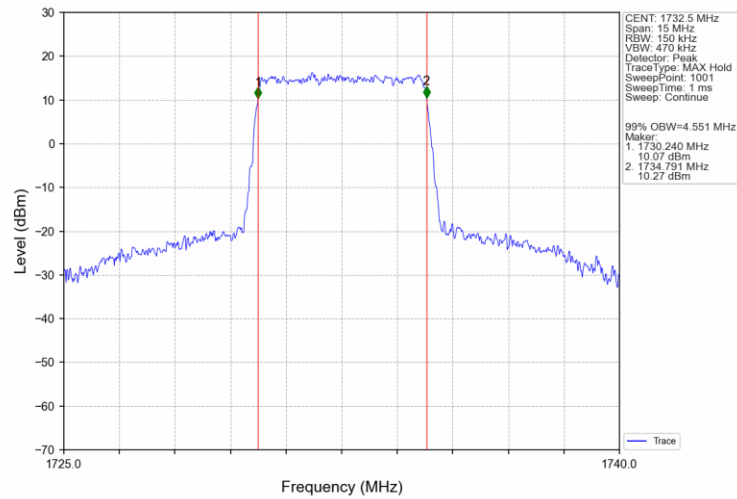
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV



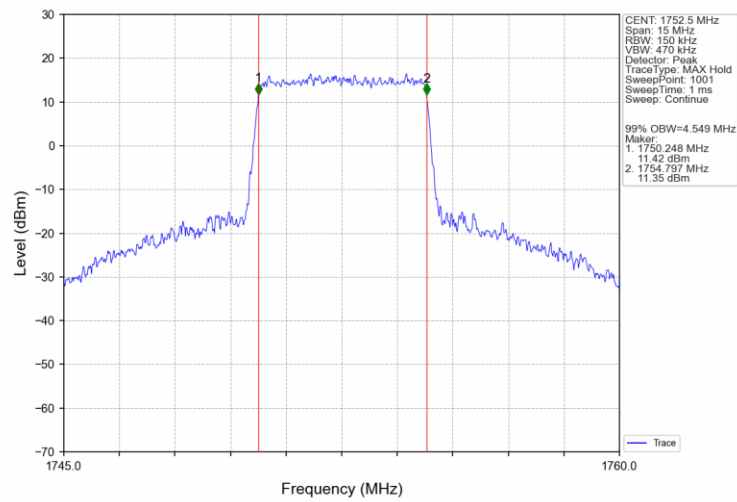
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTV



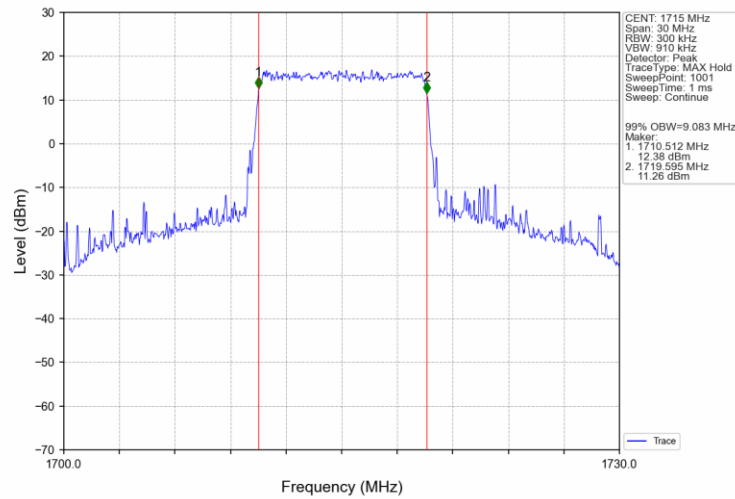
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTN



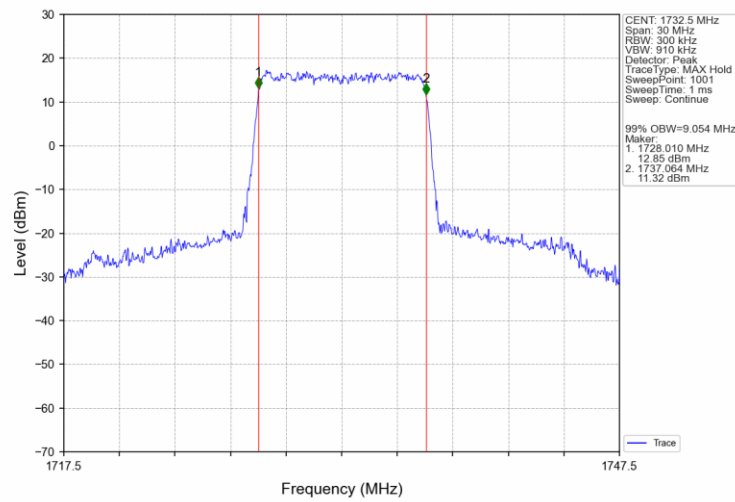
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTN



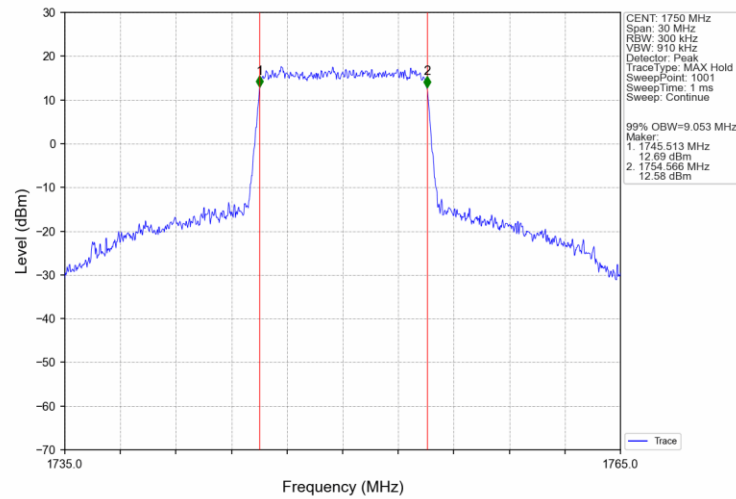
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



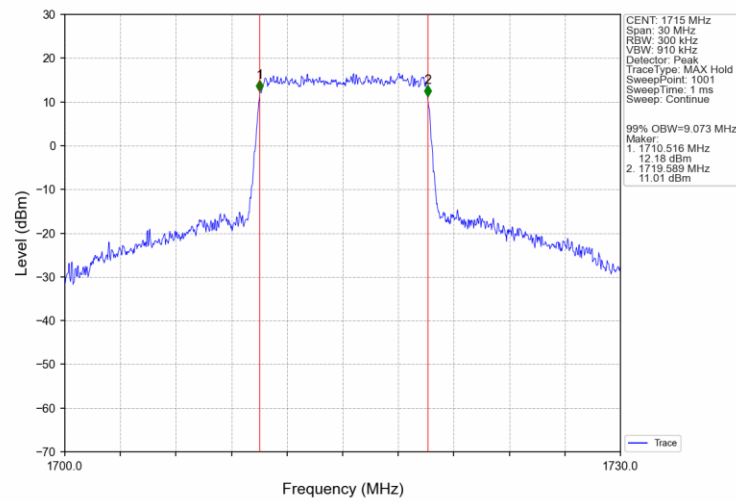
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



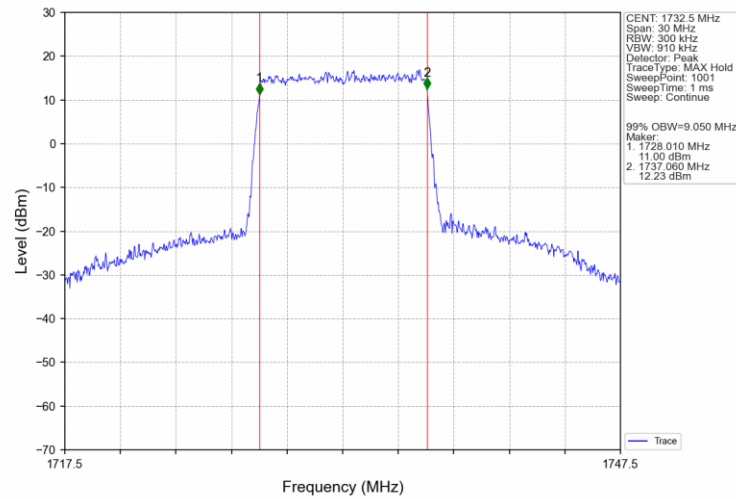
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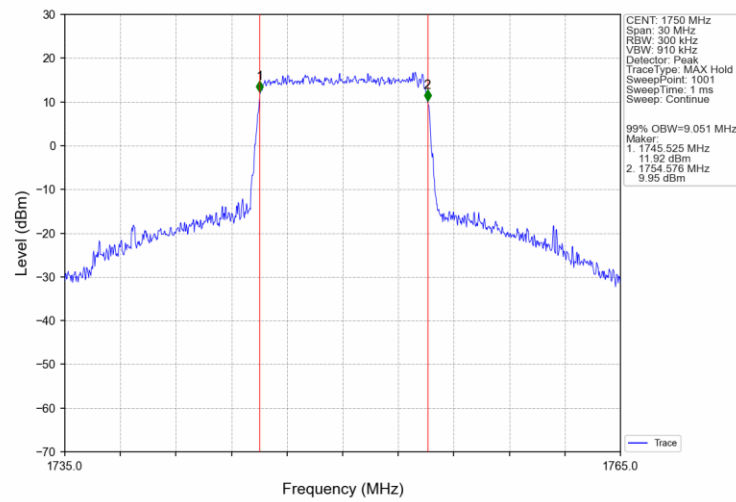
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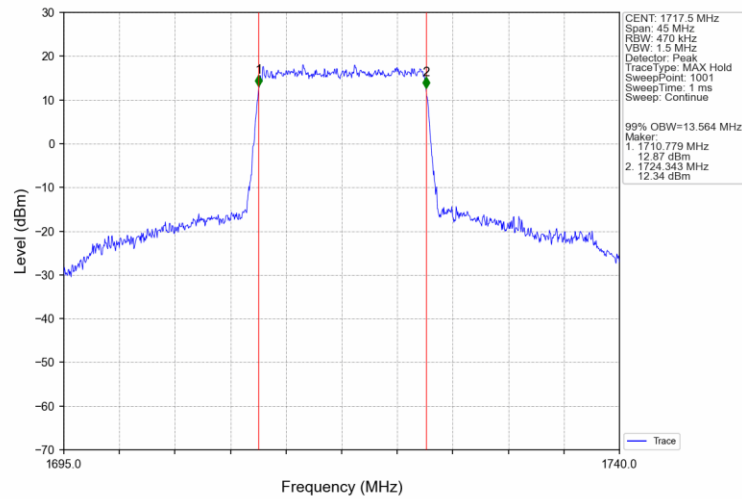
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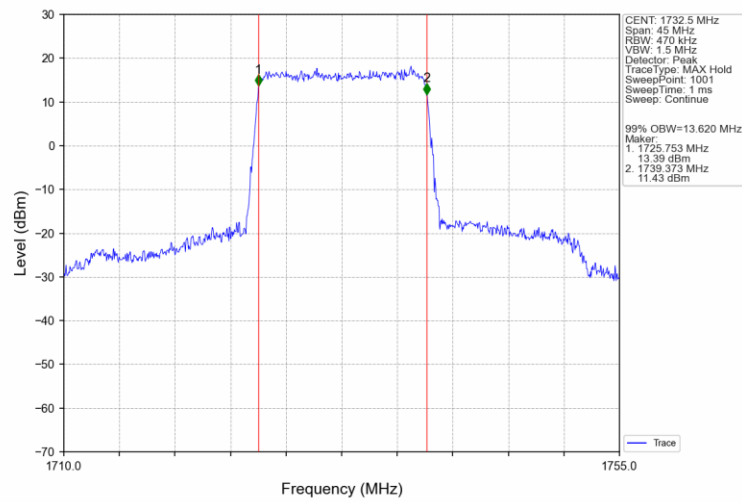
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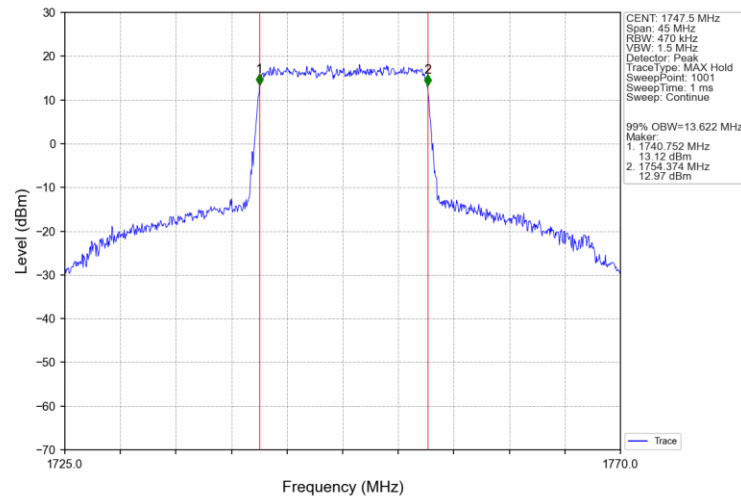
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



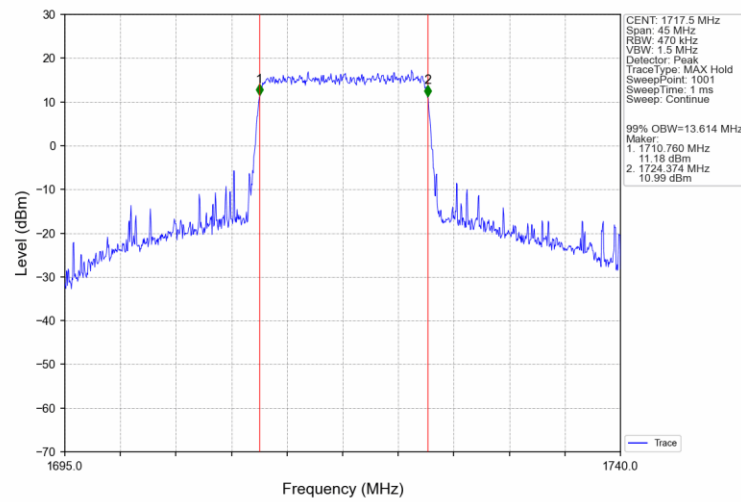
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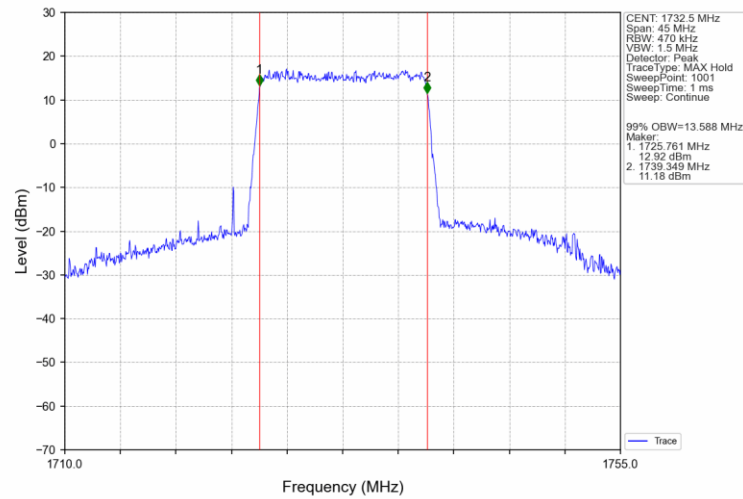
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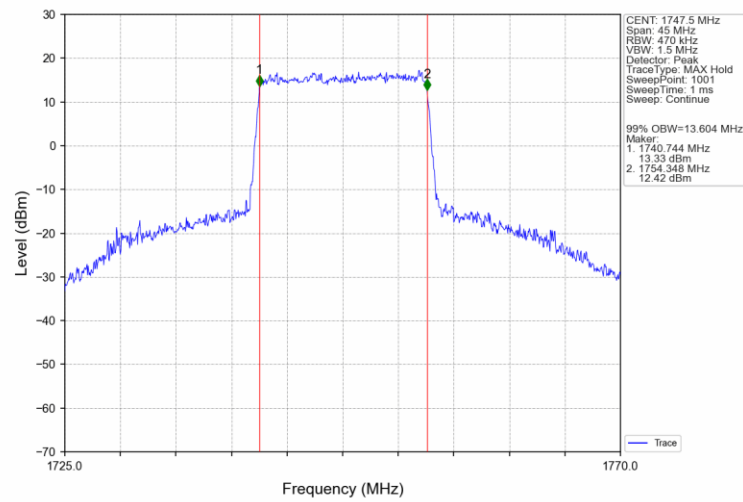
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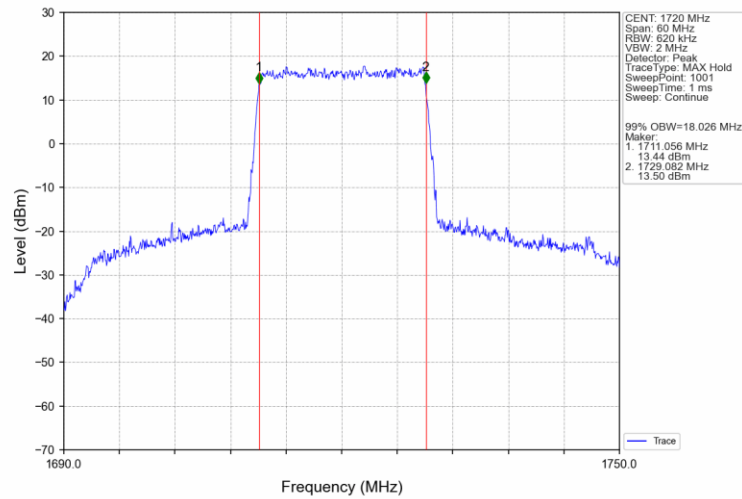
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTNV



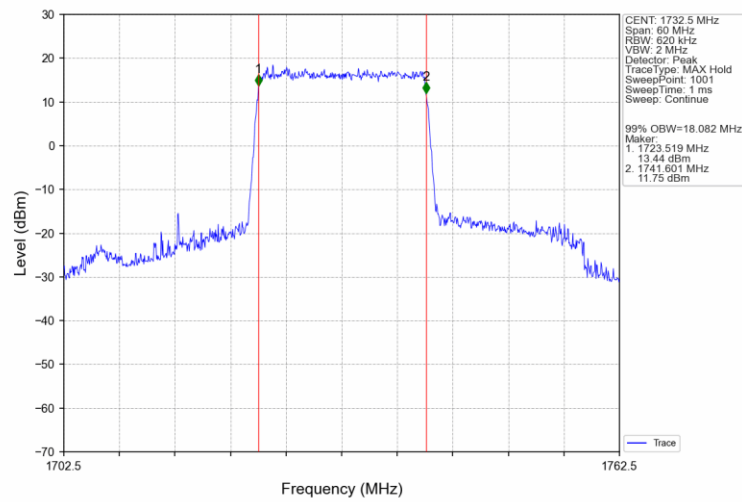
Band4 15MHz 16QAM HCH 1747.5MHz RB 75 0 NTNV



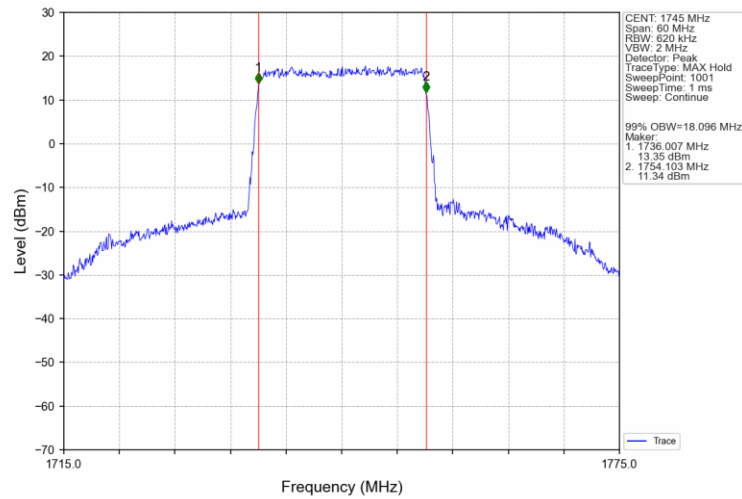
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



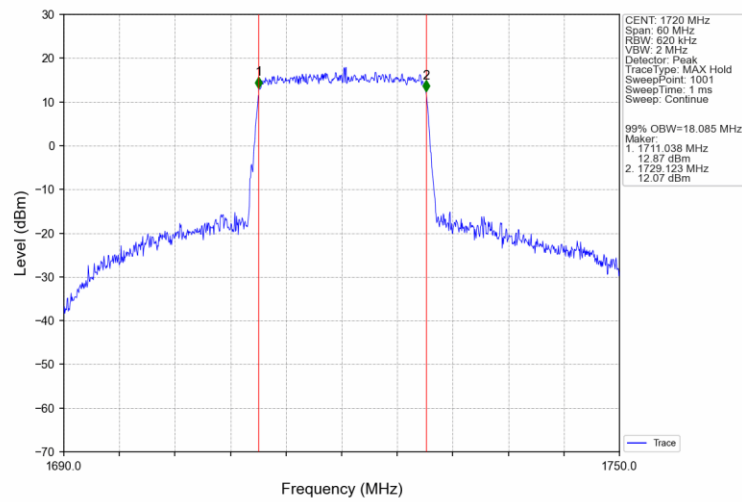
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



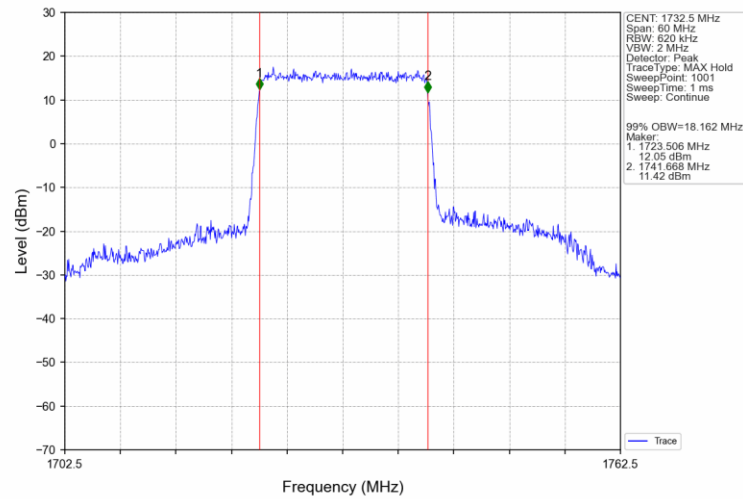
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTV



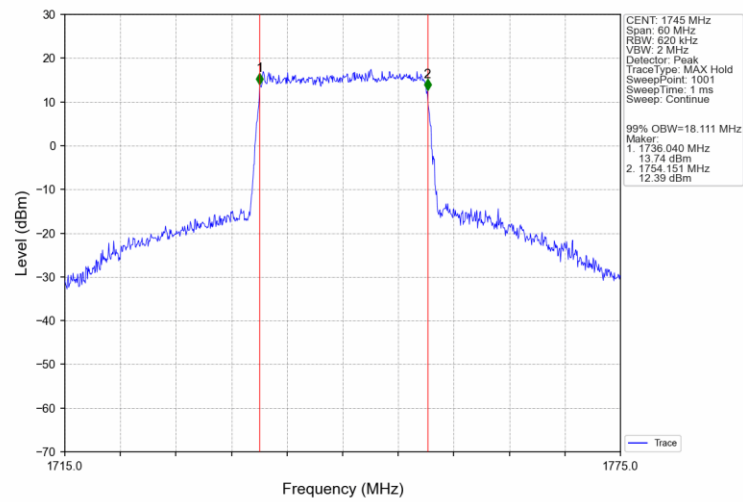
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTV



Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTN

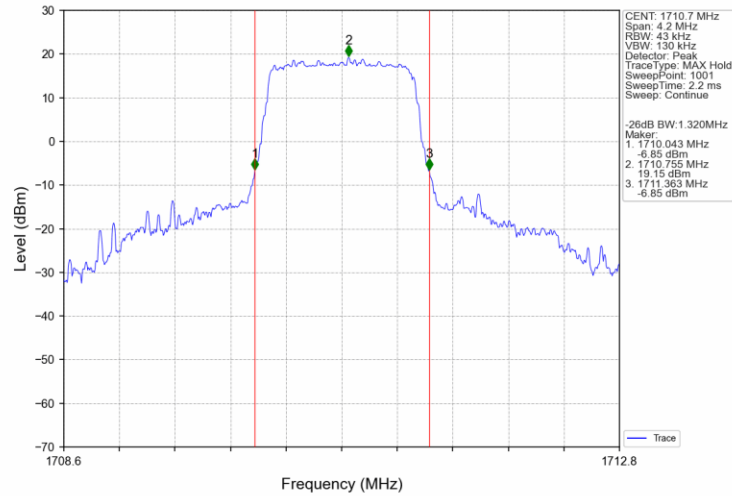


Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTN



4.2.2 Band4_XDB

Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV



Band4 1.4MHz QPSK MCH 1732.5MHz RB 6 0 NTV

