

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	23.66	-1.30	22.36	<=30	Pass
			2	23.49	-1.30	22.19	<=30	Pass
			5	23.14	-1.30	21.84	<=30	Pass
		3	0	23.20	-1.30	21.90	<=30	Pass
			2	23.21	-1.30	21.91	<=30	Pass
			3	23.22	-1.30	21.92	<=30	Pass
		6	0	22.20	-1.30	20.90	<=30	Pass
	1732.5	1	0	23.05	-1.30	21.75	<=30	Pass
			2	23.17	-1.30	21.87	<=30	Pass
			5	23.07	-1.30	21.77	<=30	Pass
		3	0	23.19	-1.30	21.89	<=30	Pass
			2	23.22	-1.30	21.92	<=30	Pass
			3	23.20	-1.30	21.90	<=30	Pass
		6	0	22.15	-1.30	20.85	<=30	Pass
	1754.3	1	0	22.97	-1.30	21.67	<=30	Pass
			2	23.08	-1.30	21.78	<=30	Pass
			5	22.97	-1.30	21.67	<=30	Pass
		3	0	23.07	-1.30	21.77	<=30	Pass
			2	23.10	-1.30	21.80	<=30	Pass
			3	23.06	-1.30	21.76	<=30	Pass
		6	0	22.07	-1.30	20.77	<=30	Pass
16QAM	1710.7	1	0	22.09	-1.30	20.79	<=30	Pass
			2	22.20	-1.30	20.90	<=30	Pass
			5	22.16	-1.30	20.86	<=30	Pass
		3	0	22.28	-1.30	20.98	<=30	Pass
			2	22.22	-1.30	20.92	<=30	Pass
			3	22.24	-1.30	20.94	<=30	Pass
		6	0	21.13	-1.30	19.83	<=30	Pass
	1732.5	1	0	22.28	-1.30	20.98	<=30	Pass
			2	22.39	-1.30	21.09	<=30	Pass
			5	22.26	-1.30	20.96	<=30	Pass
		3	0	22.18	-1.30	20.88	<=30	Pass
			2	22.20	-1.30	20.90	<=30	Pass
			3	22.21	-1.30	20.91	<=30	Pass
		6	0	21.20	-1.30	19.90	<=30	Pass
	1754.3	1	0	21.92	-1.30	20.62	<=30	Pass
			2	22.03	-1.30	20.73	<=30	Pass
			5	21.94	-1.30	20.64	<=30	Pass
		3	0	22.20	-1.30	20.90	<=30	Pass
			2	22.25	-1.30	20.95	<=30	Pass
			3	22.23	-1.30	20.93	<=30	Pass
		6	0	21.11	-1.30	19.81	<=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	23.15	-1.30	21.85	<=30	Pass
			7	23.30	-1.30	22.00	<=30	Pass
			14	23.14	-1.30	21.84	<=30	Pass
		8	0	22.13	-1.30	20.83	<=30	Pass
			4	22.19	-1.30	20.89	<=30	Pass
			7	22.15	-1.30	20.85	<=30	Pass
		15	0	22.15	-1.30	20.85	<=30	Pass
	1732.5	1	0	23.11	-1.30	21.81	<=30	Pass
			7	23.26	-1.30	21.96	<=30	Pass
			14	23.08	-1.30	21.78	<=30	Pass
		8	0	22.13	-1.30	20.83	<=30	Pass
			4	22.15	-1.30	20.85	<=30	Pass
			7	22.12	-1.30	20.82	<=30	Pass
		15	0	22.14	-1.30	20.84	<=30	Pass
	1753.5	1	0	23.14	-1.30	21.84	<=30	Pass
			7	23.24	-1.30	21.94	<=30	Pass
			14	23.07	-1.30	21.77	<=30	Pass
		8	0	22.07	-1.30	20.77	<=30	Pass
			4	22.10	-1.30	20.80	<=30	Pass
			7	22.04	-1.30	20.74	<=30	Pass
		15	0	22.01	-1.30	20.71	<=30	Pass
16QAM	1711.5	1	0	22.33	-1.30	21.03	<=30	Pass
			7	22.44	-1.30	21.14	<=30	Pass
			14	22.30	-1.30	21.00	<=30	Pass
		8	0	21.20	-1.30	19.90	<=30	Pass
			4	21.21	-1.30	19.91	<=30	Pass
			7	21.18	-1.30	19.88	<=30	Pass
		15	0	21.17	-1.30	19.87	<=30	Pass
	1732.5	1	0	22.74	-1.30	21.44	<=30	Pass
			7	22.87	-1.30	21.57	<=30	Pass
			14	22.65	-1.30	21.35	<=30	Pass
		8	0	21.37	-1.30	20.07	<=30	Pass
			4	21.37	-1.30	20.07	<=30	Pass
			7	21.36	-1.30	20.06	<=30	Pass
		15	0	21.28	-1.30	19.98	<=30	Pass
	1753.5	1	0	22.05	-1.30	20.75	<=30	Pass
			7	22.18	-1.30	20.88	<=30	Pass
			14	22.02	-1.30	20.72	<=30	Pass
		8	0	21.14	-1.30	19.84	<=30	Pass
			4	21.17	-1.30	19.87	<=30	Pass
			7	21.12	-1.30	19.82	<=30	Pass
		15	0	21.11	-1.30	19.81	<=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	23.11	-1.30	21.81	<=30	Pass
			13	23.19	-1.30	21.89	<=30	Pass
			24	23.12	-1.30	21.82	<=30	Pass
		12	0	22.12	-1.30	20.82	<=30	Pass
			6	22.20	-1.30	20.90	<=30	Pass
			13	22.21	-1.30	20.91	<=30	Pass
		25	0	22.14	-1.30	20.84	<=30	Pass
	1732.5	1	0	23.08	-1.30	21.78	<=30	Pass
			13	23.16	-1.30	21.86	<=30	Pass
			24	23.05	-1.30	21.75	<=30	Pass
		12	0	22.16	-1.30	20.86	<=30	Pass
			6	22.21	-1.30	20.91	<=30	Pass
			13	22.16	-1.30	20.86	<=30	Pass
		25	0	22.15	-1.30	20.85	<=30	Pass
	1752.5	1	0	22.97	-1.30	21.67	<=30	Pass
			13	23.09	-1.30	21.79	<=30	Pass
			24	22.97	-1.30	21.67	<=30	Pass
		12	0	21.99	-1.30	20.69	<=30	Pass
			6	22.04	-1.30	20.74	<=30	Pass
			13	22.04	-1.30	20.74	<=30	Pass
		25	0	21.99	-1.30	20.69	<=30	Pass
16QAM	1712.5	1	0	22.34	-1.30	21.04	<=30	Pass
			13	22.42	-1.30	21.12	<=30	Pass
			24	22.31	-1.30	21.01	<=30	Pass
		12	0	21.18	-1.30	19.88	<=30	Pass
			6	21.28	-1.30	19.98	<=30	Pass
			13	21.23	-1.30	19.93	<=30	Pass
		25	0	21.19	-1.30	19.89	<=30	Pass
	1732.5	1	0	21.97	-1.30	20.67	<=30	Pass
			13	22.01	-1.30	20.71	<=30	Pass
			24	21.93	-1.30	20.63	<=30	Pass
		12	0	21.22	-1.30	19.92	<=30	Pass
			6	21.24	-1.30	19.94	<=30	Pass
			13	21.19	-1.30	19.89	<=30	Pass
		25	0	21.25	-1.30	19.95	<=30	Pass
	1752.5	1	0	21.98	-1.30	20.68	<=30	Pass
			13	22.10	-1.30	20.80	<=30	Pass
			24	22.03	-1.30	20.73	<=30	Pass
		12	0	20.99	-1.30	19.69	<=30	Pass
			6	21.03	-1.30	19.73	<=30	Pass
			13	21.03	-1.30	19.73	<=30	Pass
		25	0	21.04	-1.30	19.74	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.17	-1.30	21.87	<=30	Pass
			25	23.35	-1.30	22.05	<=30	Pass
			49	23.18	-1.30	21.88	<=30	Pass
		25	0	22.14	-1.30	20.84	<=30	Pass
			13	22.18	-1.30	20.88	<=30	Pass
			25	22.23	-1.30	20.93	<=30	Pass
		50	0	22.21	-1.30	20.91	<=30	Pass
	1732.5	1	0	23.15	-1.30	21.85	<=30	Pass
			25	23.25	-1.30	21.95	<=30	Pass
			49	23.07	-1.30	21.77	<=30	Pass
		25	0	22.24	-1.30	20.94	<=30	Pass
			13	22.21	-1.30	20.91	<=30	Pass
			25	22.17	-1.30	20.87	<=30	Pass
		50	0	22.20	-1.30	20.90	<=30	Pass
	1750	1	0	23.11	-1.30	21.81	<=30	Pass
			25	23.31	-1.30	22.01	<=30	Pass
			49	23.11	-1.30	21.81	<=30	Pass
		25	0	22.04	-1.30	20.74	<=30	Pass
			13	22.05	-1.30	20.75	<=30	Pass
			25	22.08	-1.30	20.78	<=30	Pass
		50	0	22.05	-1.30	20.75	<=30	Pass
16QAM	1715	1	0	22.29	-1.30	20.99	<=30	Pass
			25	22.48	-1.30	21.18	<=30	Pass
			49	22.30	-1.30	21.00	<=30	Pass
		25	0	21.23	-1.30	19.93	<=30	Pass
			13	21.26	-1.30	19.96	<=30	Pass
			25	21.29	-1.30	19.99	<=30	Pass
		50	0	21.26	-1.30	19.96	<=30	Pass
	1732.5	1	0	22.71	-1.30	21.41	<=30	Pass
			25	22.88	-1.30	21.58	<=30	Pass
			49	22.65	-1.30	21.35	<=30	Pass
		25	0	21.40	-1.30	20.10	<=30	Pass
			13	21.32	-1.30	20.02	<=30	Pass
			25	21.32	-1.30	20.02	<=30	Pass
		50	0	21.35	-1.30	20.05	<=30	Pass
	1750	1	0	22.03	-1.30	20.73	<=30	Pass
			25	22.17	-1.30	20.87	<=30	Pass
			49	22.03	-1.30	20.73	<=30	Pass
		25	0	21.16	-1.30	19.86	<=30	Pass
			13	21.16	-1.30	19.86	<=30	Pass
			25	21.19	-1.30	19.89	<=30	Pass
		50	0	21.12	-1.30	19.82	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.11	-1.30	21.81	<=30	Pass
			38	23.25	-1.30	21.95	<=30	Pass
			74	23.09	-1.30	21.79	<=30	Pass
		36	0	22.25	-1.30	20.95	<=30	Pass
			18	22.34	-1.30	21.04	<=30	Pass
			39	22.31	-1.30	21.01	<=30	Pass
		75	0	22.29	-1.30	20.99	<=30	Pass
	1732.5	1	0	23.09	-1.30	21.79	<=30	Pass
			38	23.13	-1.30	21.83	<=30	Pass
			74	22.98	-1.30	21.68	<=30	Pass
		36	0	22.23	-1.30	20.93	<=30	Pass
			18	22.21	-1.30	20.91	<=30	Pass
			39	22.20	-1.30	20.90	<=30	Pass
		75	0	22.25	-1.30	20.95	<=30	Pass
	1747.5	1	0	22.99	-1.30	21.69	<=30	Pass
			38	23.07	-1.30	21.77	<=30	Pass
			74	22.95	-1.30	21.65	<=30	Pass
		36	0	22.13	-1.30	20.83	<=30	Pass
			18	22.18	-1.30	20.88	<=30	Pass
			39	22.20	-1.30	20.90	<=30	Pass
		75	0	22.18	-1.30	20.88	<=30	Pass
16QAM	1717.5	1	0	22.41	-1.30	21.11	<=30	Pass
			38	22.49	-1.30	21.19	<=30	Pass
			74	22.44	-1.30	21.14	<=30	Pass
		36	0	21.19	-1.30	19.89	<=30	Pass
			18	21.27	-1.30	19.97	<=30	Pass
			39	21.27	-1.30	19.97	<=30	Pass
		75	0	21.28	-1.30	19.98	<=30	Pass
	1732.5	1	0	22.30	-1.30	21.00	<=30	Pass
			38	22.37	-1.30	21.07	<=30	Pass
			74	22.17	-1.30	20.87	<=30	Pass
		36	0	21.30	-1.30	20.00	<=30	Pass
			18	21.27	-1.30	19.97	<=30	Pass
			39	21.18	-1.30	19.88	<=30	Pass
		75	0	21.27	-1.30	19.97	<=30	Pass
	1747.5	1	0	22.46	-1.30	21.16	<=30	Pass
			38	22.47	-1.30	21.17	<=30	Pass
			74	22.40	-1.30	21.10	<=30	Pass
		36	0	21.11	-1.30	19.81	<=30	Pass
			18	21.13	-1.30	19.83	<=30	Pass
			39	21.15	-1.30	19.85	<=30	Pass
		75	0	21.14	-1.30	19.84	<=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	22.90	-1.30	21.60	<=30	Pass
			50	23.37	-1.30	22.07	<=30	Pass
			99	22.93	-1.30	21.63	<=30	Pass
		50	0	22.10	-1.30	20.80	<=30	Pass
			25	22.20	-1.30	20.90	<=30	Pass
			50	22.15	-1.30	20.85	<=30	Pass
		100	0	22.16	-1.30	20.86	<=30	Pass
			50	22.16	-1.30	20.86	<=30	Pass
			99	22.16	-1.30	20.86	<=30	Pass
	1732.5	1	0	22.89	-1.30	21.59	<=30	Pass
			50	23.28	-1.30	21.98	<=30	Pass
			99	22.83	-1.30	21.53	<=30	Pass
		50	0	22.19	-1.30	20.89	<=30	Pass
			25	22.20	-1.30	20.90	<=30	Pass
			50	22.13	-1.30	20.83	<=30	Pass
		100	0	22.20	-1.30	20.90	<=30	Pass
			50	22.20	-1.30	20.90	<=30	Pass
			99	22.20	-1.30	20.90	<=30	Pass
	1745	1	0	22.86	-1.30	21.56	<=30	Pass
			50	23.34	-1.30	22.04	<=30	Pass
			99	22.82	-1.30	21.52	<=30	Pass
		50	0	22.03	-1.30	20.73	<=30	Pass
			25	22.08	-1.30	20.78	<=30	Pass
			50	22.06	-1.30	20.76	<=30	Pass
		100	0	22.04	-1.30	20.74	<=30	Pass
			50	22.04	-1.30	20.74	<=30	Pass
			99	22.04	-1.30	20.74	<=30	Pass
16QAM	1720	1	0	22.16	-1.30	20.86	<=30	Pass
			50	22.55	-1.30	21.25	<=30	Pass
			99	22.21	-1.30	20.91	<=30	Pass
		50	0	21.14	-1.30	19.84	<=30	Pass
			25	21.28	-1.30	19.98	<=30	Pass
			50	21.20	-1.30	19.90	<=30	Pass
		100	0	21.23	-1.30	19.93	<=30	Pass
			50	21.23	-1.30	19.93	<=30	Pass
			99	21.23	-1.30	19.93	<=30	Pass
	1732.5	1	0	22.47	-1.30	21.17	<=30	Pass
			50	22.88	-1.30	21.58	<=30	Pass
			99	22.34	-1.30	21.04	<=30	Pass
		50	0	21.29	-1.30	19.99	<=30	Pass
			25	21.27	-1.30	19.97	<=30	Pass
			50	21.20	-1.30	19.90	<=30	Pass
		100	0	21.26	-1.30	19.96	<=30	Pass
			50	21.26	-1.30	19.96	<=30	Pass
			99	21.26	-1.30	19.96	<=30	Pass
	1745	1	0	22.08	-1.30	20.78	<=30	Pass
			50	22.30	-1.30	21.00	<=30	Pass
			99	21.94	-1.30	20.64	<=30	Pass
		50	0	21.08	-1.30	19.78	<=30	Pass
			25	21.10	-1.30	19.80	<=30	Pass
			50	21.10	-1.30	19.80	<=30	Pass
		100	0	21.11	-1.30	19.81	<=30	Pass
			50	21.11	-1.30	19.81	<=30	Pass
			99	21.11	-1.30	19.81	<=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	-3.176	-0.0019	-2.5 to 2.5	Pass
					3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
					4.43	3.805	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-6.852	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-8.941	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-8.011	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-9.356	-0.0055	-2.5 to 2.5	Pass
				10	3.85	3.920	0.0023	-2.5 to 2.5	Pass
				30	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				40	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				50	3.85	2.818	0.0016	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-5.980	-0.0035	-2.5 to 2.5	Pass
					3.85	-10.214	-0.0059	-2.5 to 2.5	Pass
					4.43	-5.093	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				50	3.85	3.920	0.0023	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	0.973	0.0006	-2.5 to 2.5	Pass
					3.85	-12.546	-0.0072	-2.5 to 2.5	Pass
					4.43	0.429	0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-9.542	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-5.307	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-6.881	-0.0039	-2.5 to 2.5	Pass
				10	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				30	3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	0.129	0.0001	-2.5 to 2.5	Pass
					3.85	-7.610	-0.0044	-2.5 to 2.5	Pass
					4.43	-7.367	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-6.638	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-7.868	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				50	3.85	2.446	0.0014	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-3.505	-0.0020	-2.5 to 2.5	Pass
					3.85	0.815	0.0005	-2.5 to 2.5	Pass
					4.43	-3.920	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-6.194	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	1.702	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.402	0.0008	-2.5 to 2.5	Pass

				0	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				40	3.85	-10.557	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-10.986	-0.0063	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-14.763	-0.0084	-2.5 to 2.5	Pass
					3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				-20	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-5.679	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-8.984	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-3.047	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-13.819	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-0.744	-0.0004	-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	-13.447	-0.0079	-2.5 to 2.5	Pass
					3.85	-8.240	-0.0048	-2.5 to 2.5	Pass
					4.43	-3.691	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-8.025	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-11.716	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				0	3.85	-7.911	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-8.383	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-5.608	-0.0033	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-4.807	-0.0028	-2.5 to 2.5	Pass
					3.85	-15.464	-0.0089	-2.5 to 2.5	Pass
					4.43	-3.433	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-9.770	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-6.366	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-8.540	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				40	3.85	0.587	0.0003	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-11.330	-0.0065	-2.5 to 2.5	Pass
					3.85	0.372	0.0002	-2.5 to 2.5	Pass
					4.43	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-13.990	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-12.531	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				0	3.85	1.659	0.0009	-2.5 to 2.5	Pass
				10	3.85	-7.696	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-8.540	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-9.055	-0.0052	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-5.279	-0.0031	-2.5 to 2.5	Pass
					3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
					4.43	-8.011	-0.0047	-2.5 to 2.5	Pass

				-30	3.85	-4.063	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-12.460	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-9.685	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-5.622	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-7.496	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-17.896	-0.0105	-2.5 to 2.5	Pass
				50	3.85	-8.497	-0.0050	-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	-1.702	-0.0010	-2.5 to 2.5	Pass
					4.43	-2.704	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.532	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-8.097	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-11.072	-0.0064	-2.5 to 2.5	Pass
				40	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				50	3.85	-11.015	-0.0064	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-7.739	-0.0044	-2.5 to 2.5	Pass
					3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
					4.43	-13.218	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-7.868	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-8.197	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-14.048	-0.0080	-2.5 to 2.5	Pass
				0	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				40	3.85	3.462	0.0020	-2.5 to 2.5	Pass
				50	3.85	-14.434	-0.0082	-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	-9.255	-0.0054	-2.5 to 2.5	Pass
					3.85	1.187	0.0007	-2.5 to 2.5	Pass
					4.43	-0.758	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-7.524	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-11.544	-0.0067	-2.5 to 2.5	Pass
				40	3.85	3.576	0.0021	-2.5 to 2.5	Pass
				50	3.85	2.232	0.0013	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-11.787	-0.0068	-2.5 to 2.5	Pass
					3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
					4.43	-5.565	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-13.175	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-13.132	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-14.992	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-15.464	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-15.149	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-8.297	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.27	-3.963	-0.0023	-2.5 to 2.5	Pass
					3.85	-9.270	-0.0053	-2.5 to 2.5	Pass
					4.43	-6.108	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-11.330	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-8.225	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-16.179	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-8.655	-0.0049	-2.5 to 2.5	Pass
				30	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				50	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-3.319	-0.0019	-2.5 to 2.5	Pass
					3.85	-13.289	-0.0078	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-8.025	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-7.081	-0.0041	-2.5 to 2.5	Pass
				0	3.85	3.204	0.0019	-2.5 to 2.5	Pass
				10	3.85	-7.353	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-7.181	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-12.460	-0.0073	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-2.518	-0.0015	-2.5 to 2.5	Pass
					3.85	-7.954	-0.0046	-2.5 to 2.5	Pass
					4.43	-4.077	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-4.921	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-8.397	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-13.819	-0.0080	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-11.044	-0.0063	-2.5 to 2.5	Pass
					3.85	2.575	0.0015	-2.5 to 2.5	Pass
					4.43	-2.918	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-7.725	-0.0044	-2.5 to 2.5	Pass
				0	3.85	7.038	0.0040	-2.5 to 2.5	Pass
				10	3.85	-7.010	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-8.869	-0.0051	-2.5 to 2.5	Pass
				50	3.85	7.095	0.0040	-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	-6.995	-0.0041	-2.5 to 2.5	Pass
					3.85	-1.988	-0.0012	-2.5 to 2.5	Pass
					4.43	-6.022	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-10.414	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-10.414	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-5.980	-0.0035	-2.5 to 2.5	Pass

				30	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-10.285	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-6.452	-0.0038	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.472	-0.0003	-2.5 to 2.5	Pass
					3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
					4.43	-5.937	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-7.124	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-8.025	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-7.153	-0.0041	-2.5 to 2.5	Pass
					3.85	2.890	0.0017	-2.5 to 2.5	Pass
					4.43	-5.937	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	4.277	0.0024	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-5.622	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-9.155	-0.0052	-2.5 to 2.5	Pass
				30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				40	3.85	-3.576	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-6.337	-0.0036	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-0.572	-0.0003	-2.5 to 2.5	Pass
					3.85	-11.387	-0.0066	-2.5 to 2.5	Pass
					4.43	-4.978	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-9.642	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-7.811	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-9.398	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-3.204	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-8.454	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-3.004	-0.0018	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-6.452	-0.0037	-2.5 to 2.5	Pass
					3.85	0.587	0.0003	-2.5 to 2.5	Pass
					4.43	-2.060	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-9.856	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-7.081	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				0	3.85	2.460	0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-3.662	-0.0021	-2.5 to 2.5	Pass
					3.85	-8.583	-0.0049	-2.5 to 2.5	Pass
					4.43	-8.082	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-11.272	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-11.473	-0.0066	-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	-5.350	-0.0031	-2.5 to 2.5	Pass
					3.85	-7.696	-0.0045	-2.5 to 2.5	Pass
					4.43	-10.815	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-6.008	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	0.300	0.0002	-2.5 to 2.5	Pass
				0	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-4.621	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-4.907	-0.0029	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-4.377	-0.0025	-2.5 to 2.5	Pass
					3.85	-6.824	-0.0039	-2.5 to 2.5	Pass
					4.43	-4.492	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-4.320	-0.0025	-2.5 to 2.5	Pass
					3.85	-9.370	-0.0054	-2.5 to 2.5	Pass
					4.43	-5.808	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-7.381	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-8.068	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-9.999	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-7.324	-0.0043	-2.5 to 2.5	Pass
					3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
					4.43	-8.469	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-8.154	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-10.901	-0.0063	-2.5 to 2.5	Pass
				40	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	-9.413	-0.0055	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-1.931	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
					4.43	-3.948	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-7.911	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	3.004	0.0017	-2.5 to 2.5	Pass
				0	3.85	-8.998	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass

	1747.5	75	0	20	3.27	-1.717	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
					4.43	-8.841	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-6.237	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-10.543	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-5.522	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-10.600	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-4.435	-0.0025	-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	-3.548	-0.0021	-2.5 to 2.5	Pass
					3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
					4.43	1.516	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-8.540	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-8.669	-0.0050	-2.5 to 2.5	Pass
				0	3.85	1.817	0.0011	-2.5 to 2.5	Pass
				10	3.85	-9.084	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-3.476	-0.0020	-2.5 to 2.5	Pass
					3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
					4.43	-4.420	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-7.782	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
				30	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				40	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-5.965	-0.0034	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
					4.43	-2.947	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-3.562	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				0	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				30	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-2.646	-0.0015	-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	-2.317	-0.0013	-2.5 to 2.5	Pass
					3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
					4.43	-7.596	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				-20	3.85	4.048	0.0024	-2.5 to 2.5	Pass
				-10	3.85	1.259	0.0007	-2.5 to 2.5	Pass
				0	3.85	-7.639	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-8.783	-0.0051	-2.5 to 2.5	Pass

				30	3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				50	3.85	-3.204	-0.0019	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-3.777	-0.0022	-2.5 to 2.5	Pass
					3.85	-6.709	-0.0039	-2.5 to 2.5	Pass
					4.43	-0.987	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
				40	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				50	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	3.104	0.0018	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
					4.43	-1.101	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-3.691	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-1.101	-0.0006	-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		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						
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 / 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

3.1.5 B4_15MHz

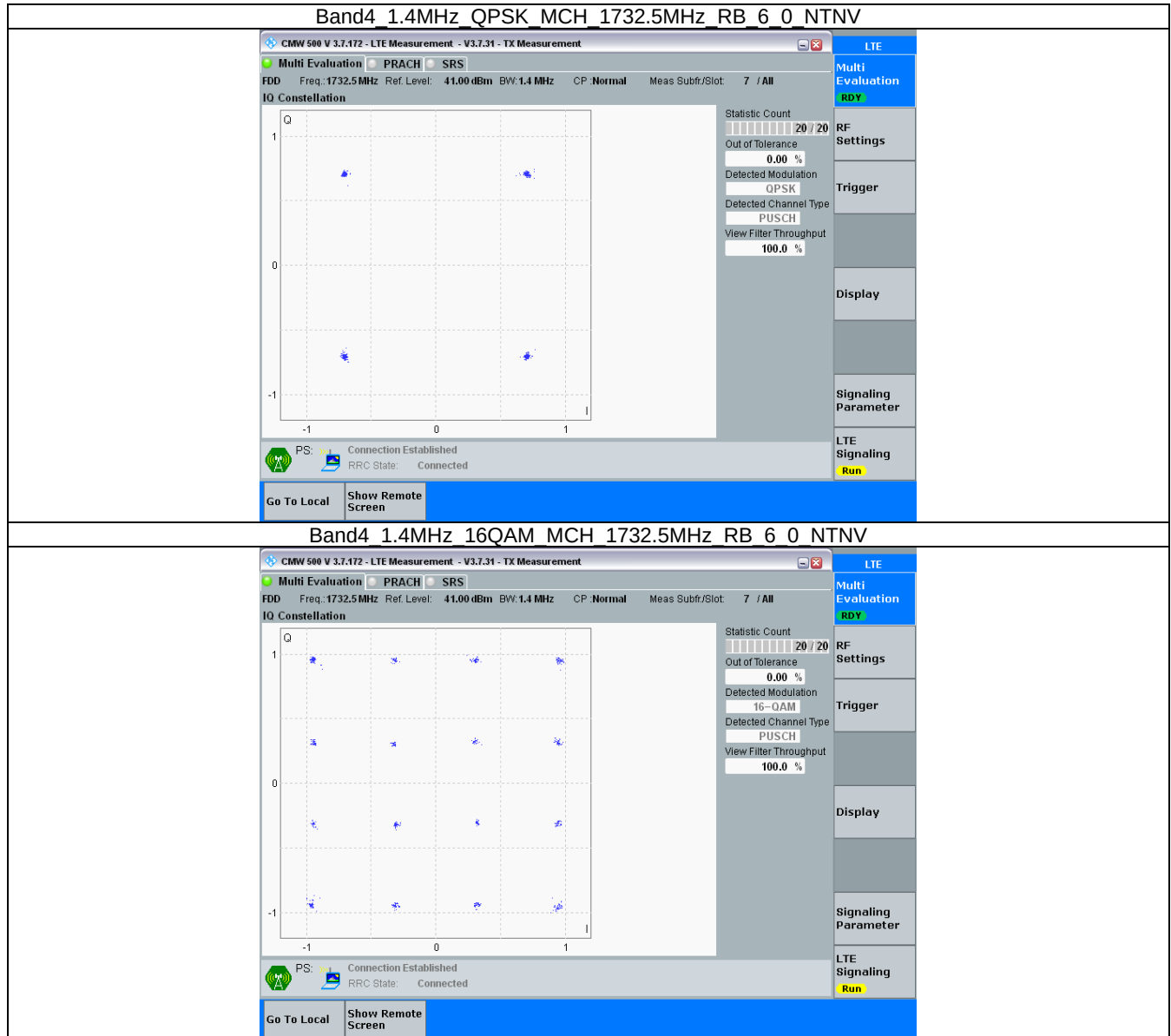
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

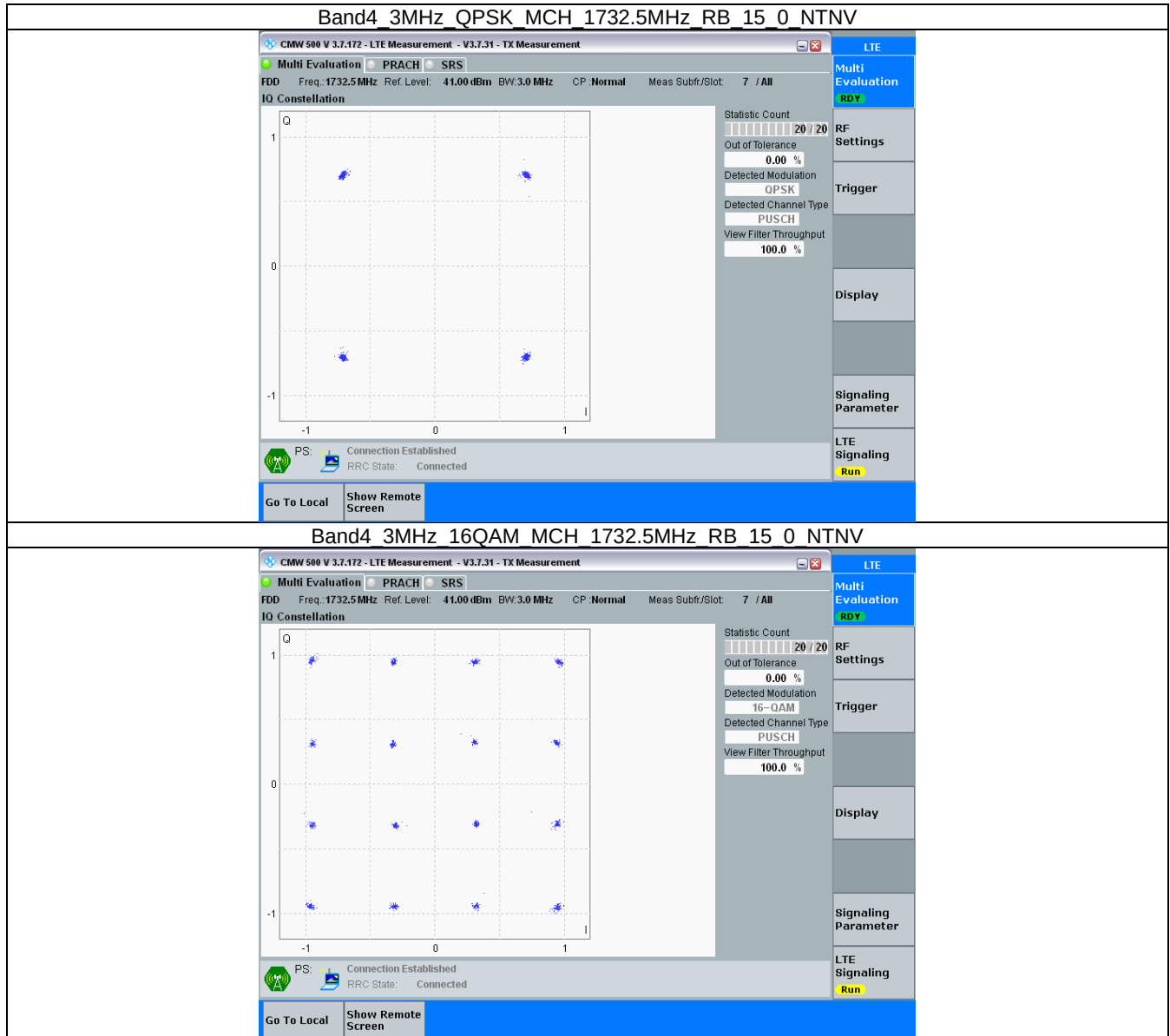
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

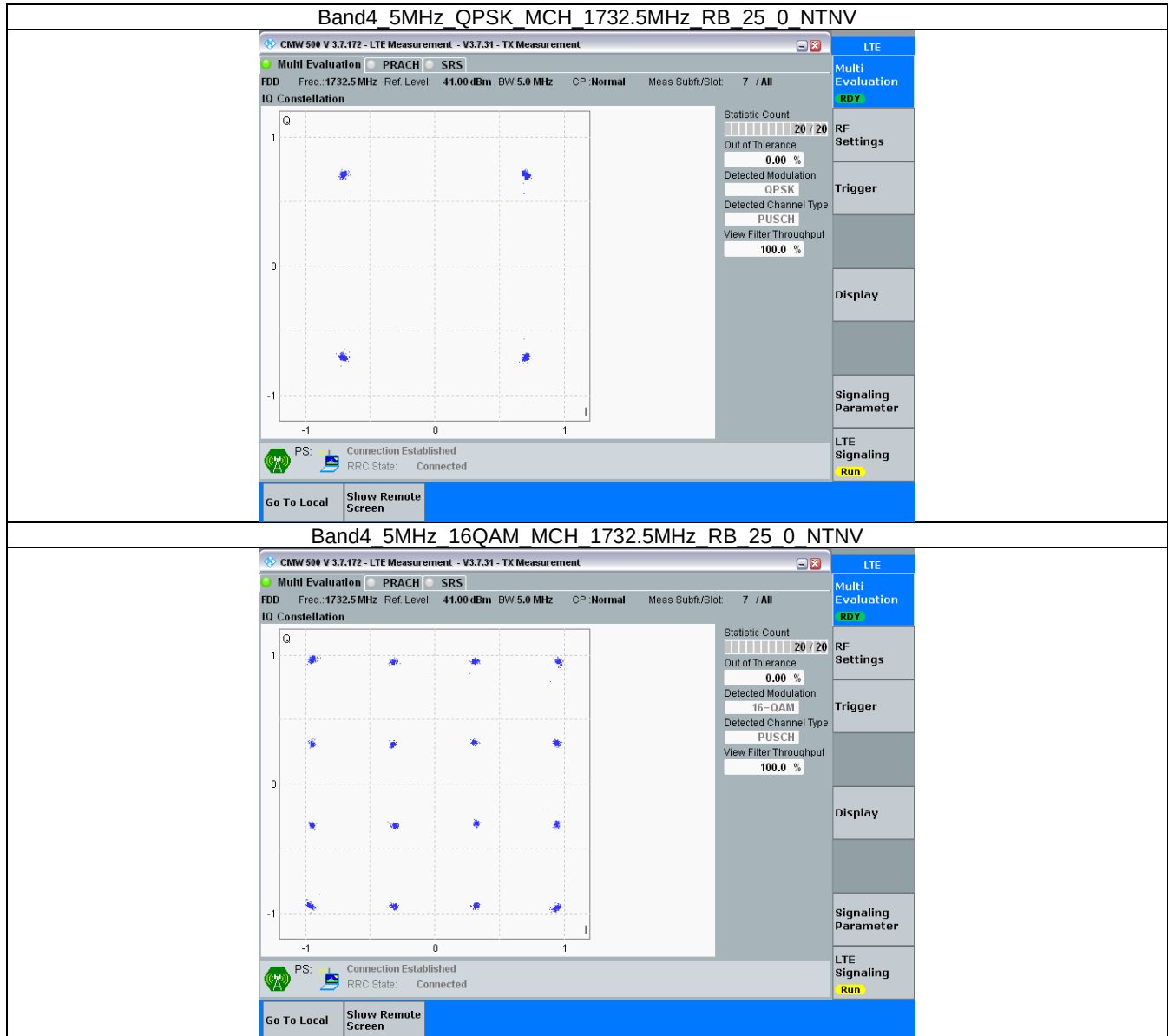
3.2.1 B4_1.4MHz



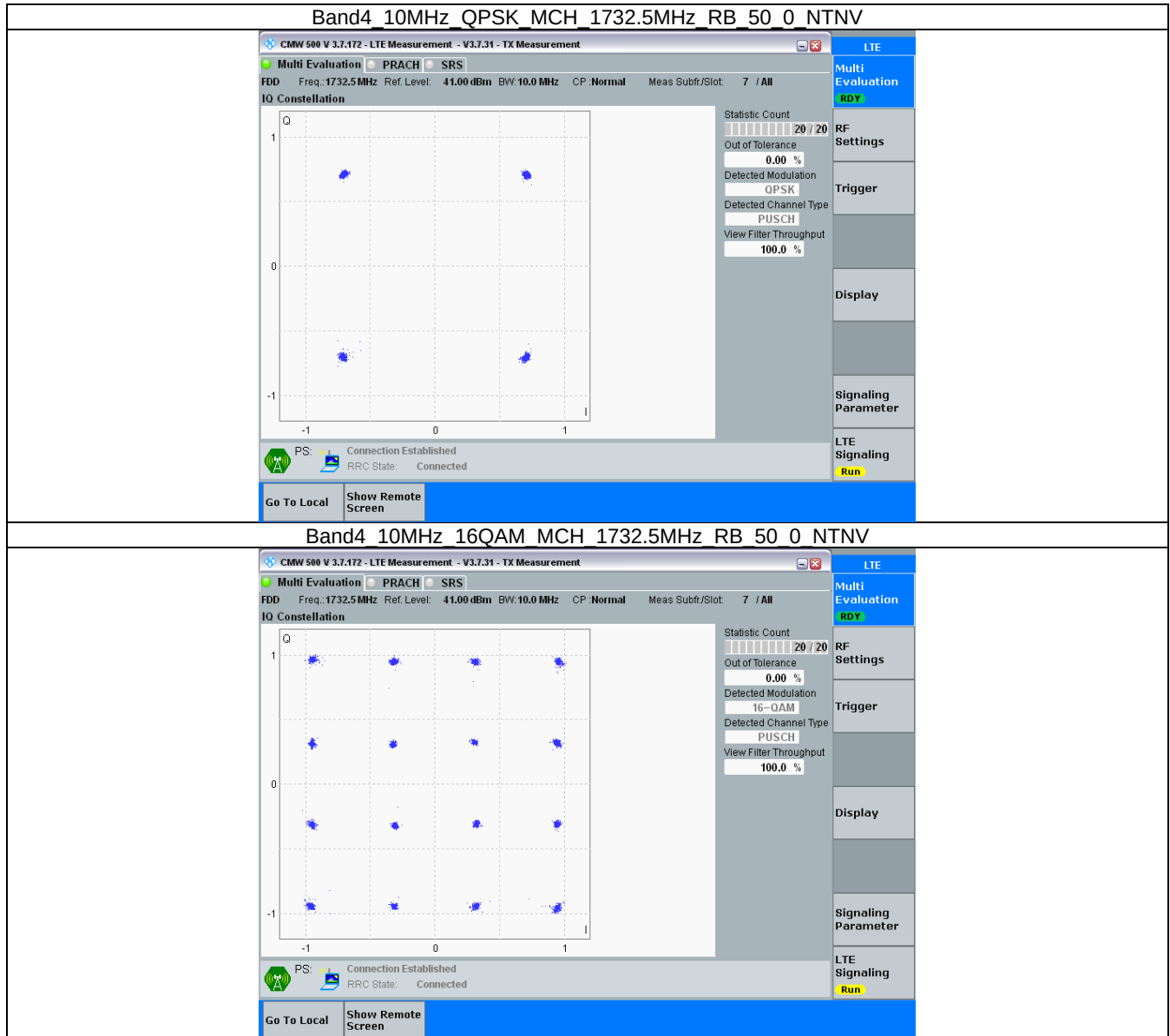
3.2.2 B4_3MHz



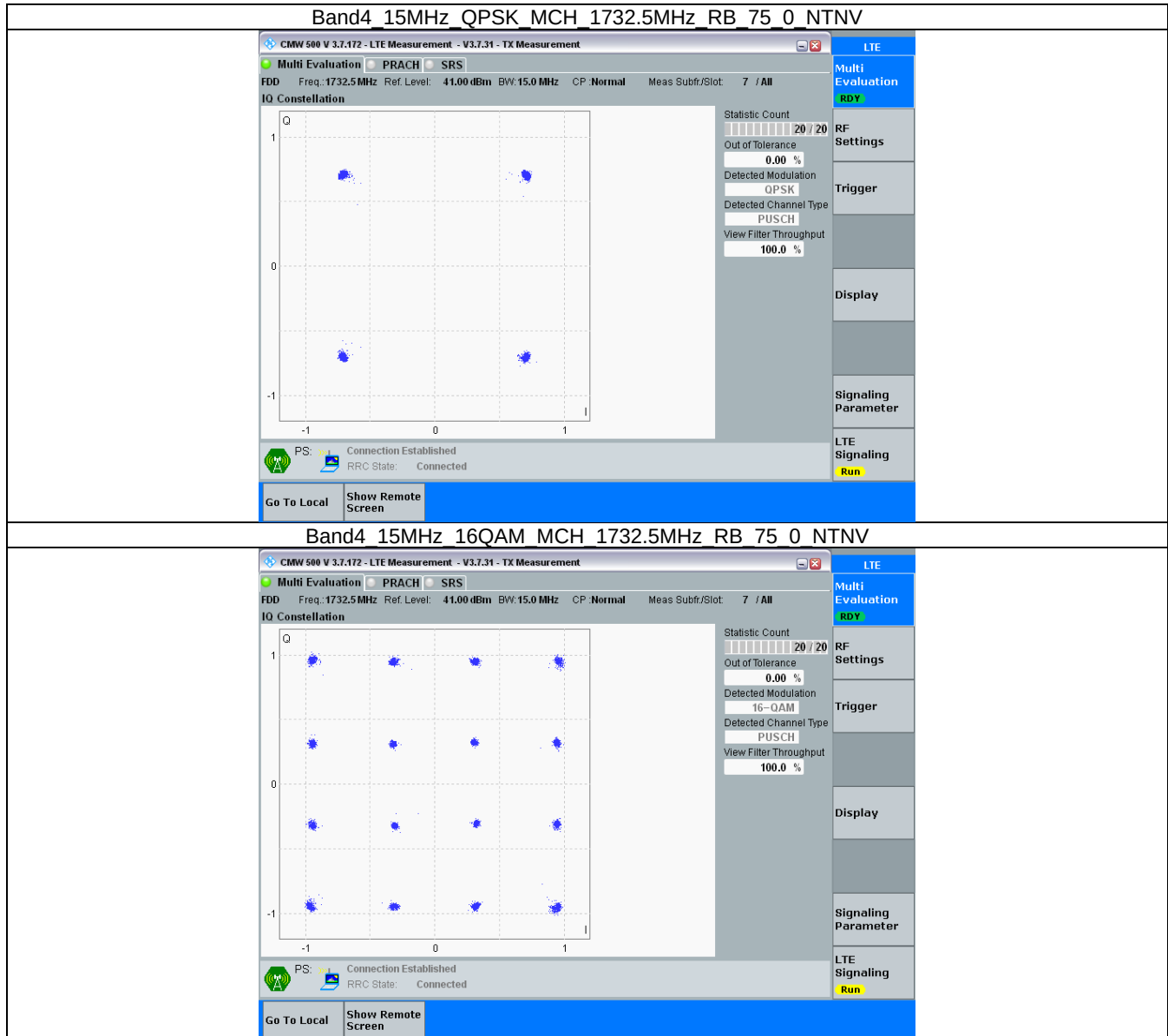
3.2.3 B4_5MHz



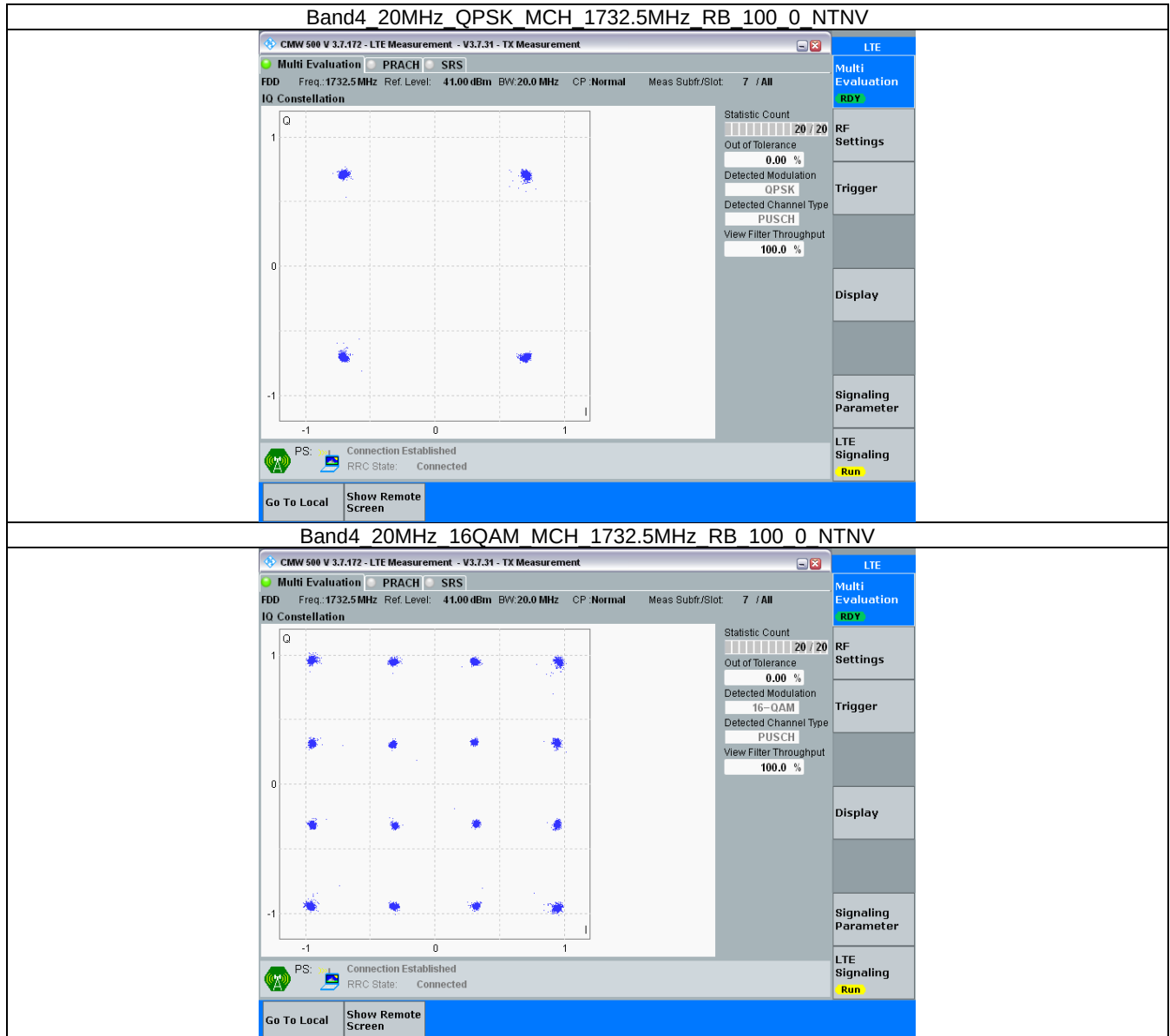
3.2.4 B4_10MHz



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	1.109	/	Pass
		1732.5	6	0	1.109	/	Pass
		1754.3	6	0	1.110	/	Pass
	16QAM	1710.7	6	0	1.114	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.119	/	Pass
3	QPSK	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.725	/	Pass
		1753.5	15	0	2.732	/	Pass
	16QAM	1711.5	15	0	2.727	/	Pass
		1732.5	15	0	2.715	/	Pass
		1753.5	15	0	2.729	/	Pass
5	QPSK	1712.5	25	0	4.555	/	Pass
		1732.5	25	0	4.542	/	Pass
		1752.5	25	0	4.553	/	Pass
	16QAM	1712.5	25	0	4.559	/	Pass
		1732.5	25	0	4.564	/	Pass
		1752.5	25	0	4.533	/	Pass
10	QPSK	1715	50	0	9.089	/	Pass
		1732.5	50	0	9.059	/	Pass
		1750	50	0	9.058	/	Pass
	16QAM	1715	50	0	9.077	/	Pass
		1732.5	50	0	9.058	/	Pass
		1750	50	0	9.052	/	Pass
15	QPSK	1717.5	75	0	13.641	/	Pass
		1732.5	75	0	13.582	/	Pass
		1747.5	75	0	13.573	/	Pass
	16QAM	1717.5	75	0	13.633	/	Pass
		1732.5	75	0	13.597	/	Pass
		1747.5	75	0	13.569	/	Pass
20	QPSK	1720	100	0	18.127	/	Pass
		1732.5	100	0	18.067	/	Pass
		1745	100	0	18.161	/	Pass
	16QAM	1720	100	0	18.093	/	Pass
		1732.5	100	0	18.069	/	Pass
		1745	100	0	18.192	/	Pass

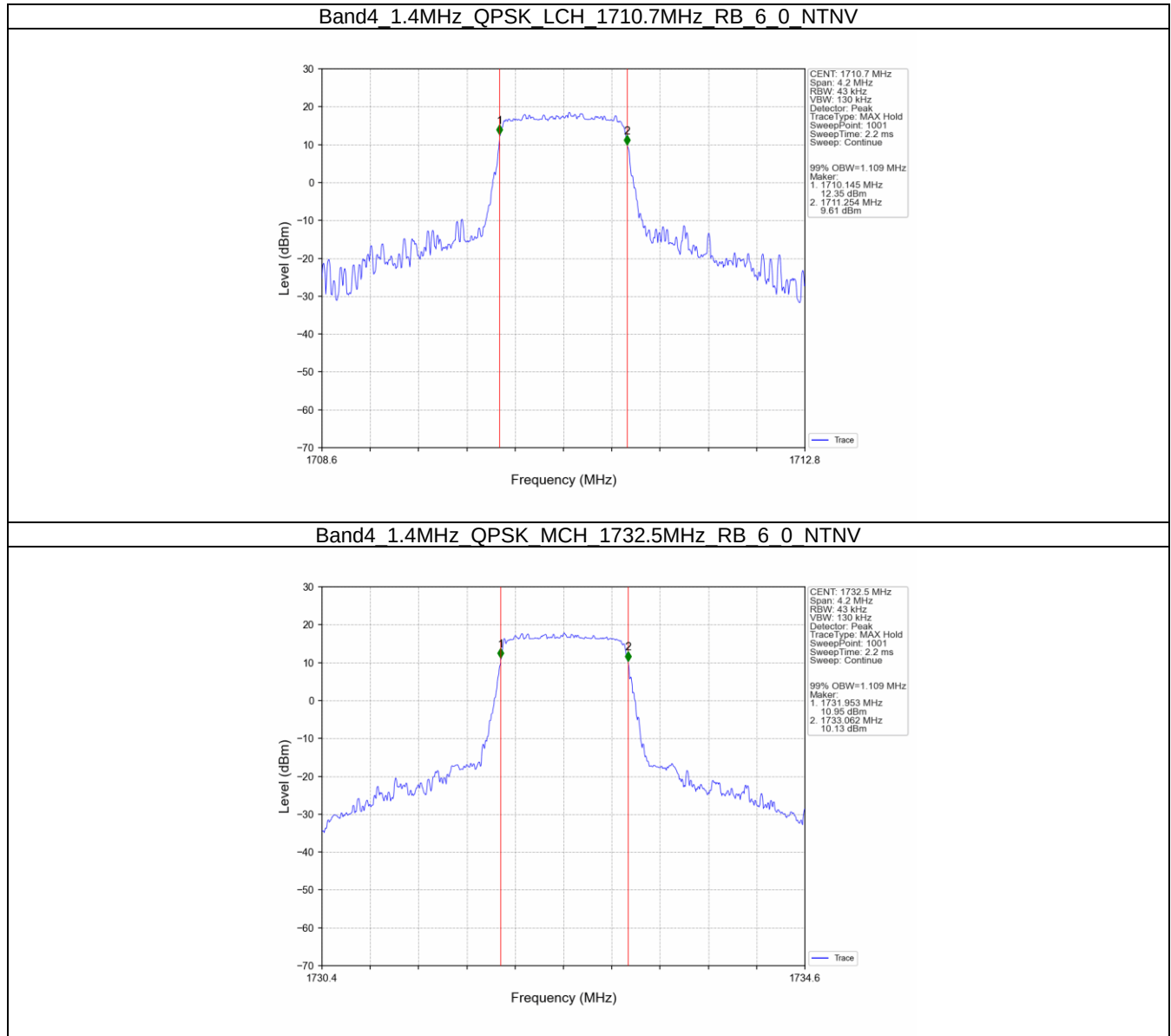
4.1.2 Band4_XDB

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	1.307	/	Pass
		1732.5	6	0	1.316	/	Pass
		1754.3	6	0	1.316	/	Pass

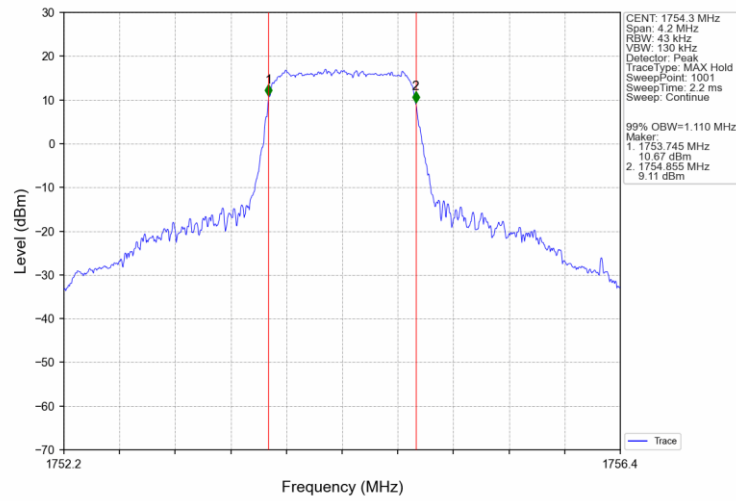
	16QAM	1710.7	6	0	1.435	/	Pass
		1732.5	6	0	1.307	/	Pass
		1754.3	6	0	1.328	/	Pass
3	QPSK	1711.5	15	0	2.997	/	Pass
		1732.5	15	0	2.981	/	Pass
		1753.5	15	0	3.014	/	Pass
	16QAM	1711.5	15	0	3.397	/	Pass
		1732.5	15	0	3.001	/	Pass
		1753.5	15	0	2.997	/	Pass
5	QPSK	1712.5	25	0	5.290	/	Pass
		1732.5	25	0	5.027	/	Pass
		1752.5	25	0	5.036	/	Pass
	16QAM	1712.5	25	0	5.042	/	Pass
		1732.5	25	0	5.040	/	Pass
		1752.5	25	0	4.989	/	Pass
10	QPSK	1715	50	0	11.711	/	Pass
		1732.5	50	0	9.927	/	Pass
		1750	50	0	9.966	/	Pass
	16QAM	1715	50	0	9.882	/	Pass
		1732.5	50	0	9.937	/	Pass
		1750	50	0	9.852	/	Pass
15	QPSK	1717.5	75	0	19.854	/	Pass
		1732.5	75	0	14.982	/	Pass
		1747.5	75	0	14.968	/	Pass
	16QAM	1717.5	75	0	23.314	/	Pass
		1732.5	75	0	14.896	/	Pass
		1747.5	75	0	14.921	/	Pass
20	QPSK	1720	100	0	25.101	/	Pass
		1732.5	100	0	19.833	/	Pass
		1745	100	0	19.745	/	Pass
	16QAM	1720	100	0	19.798	/	Pass
		1732.5	100	0	19.649	/	Pass
		1745	100	0	19.695	/	Pass

4.2 Test Graph

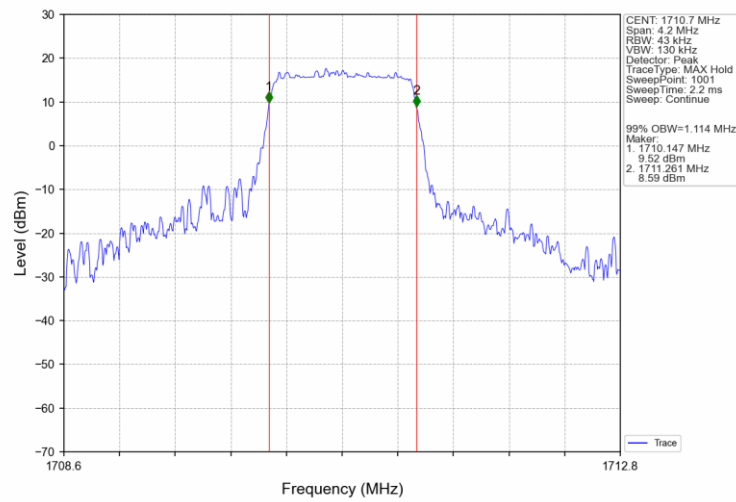
4.2.1 Band4_OBW



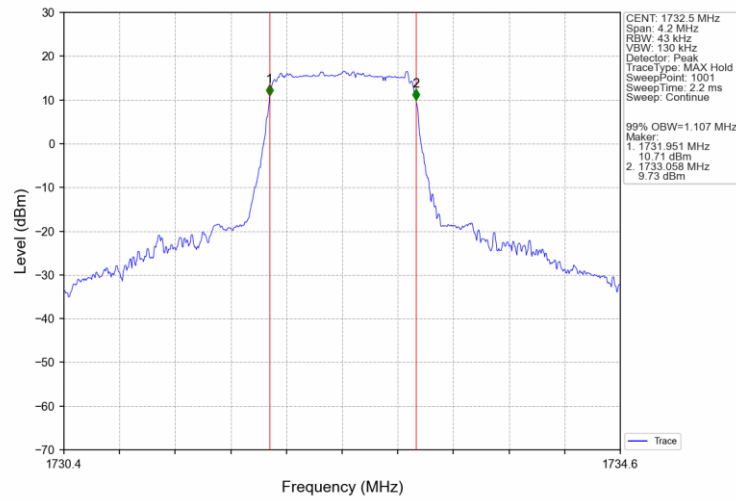
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



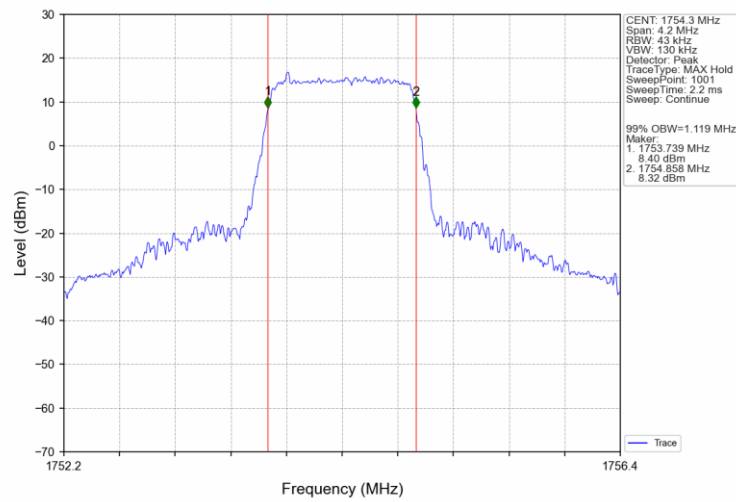
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



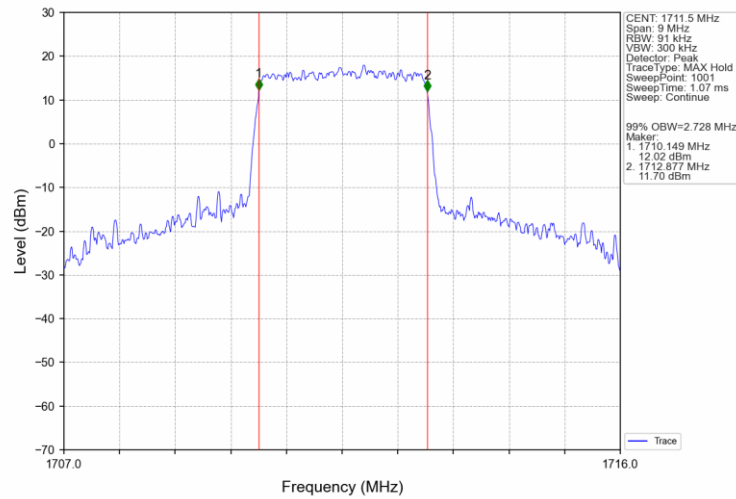
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



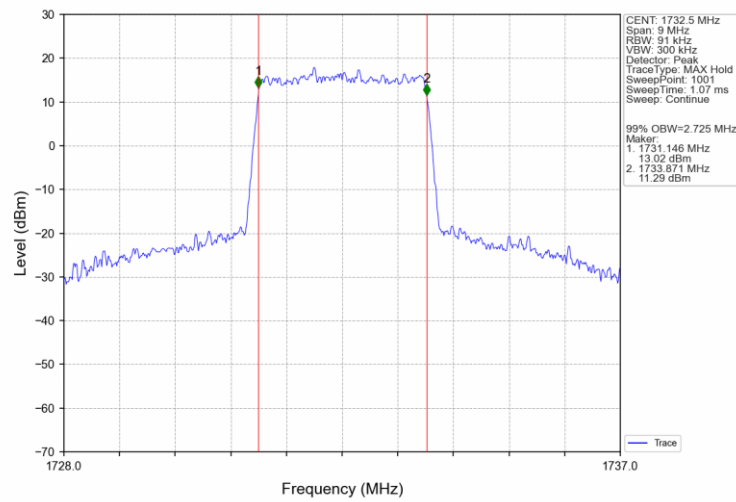
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



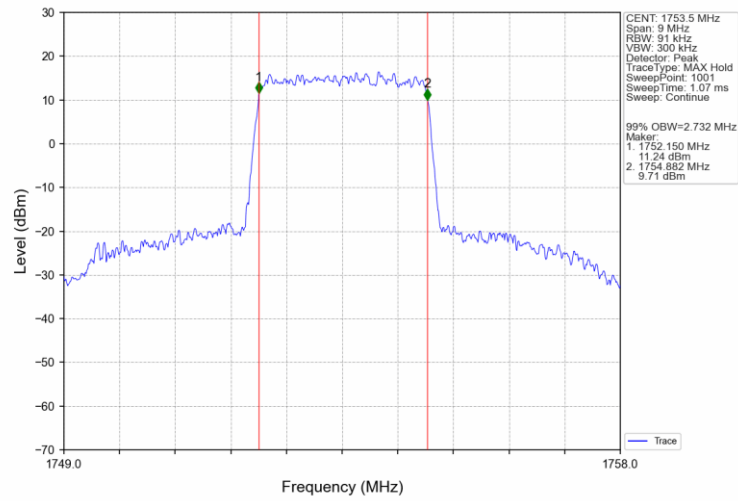
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



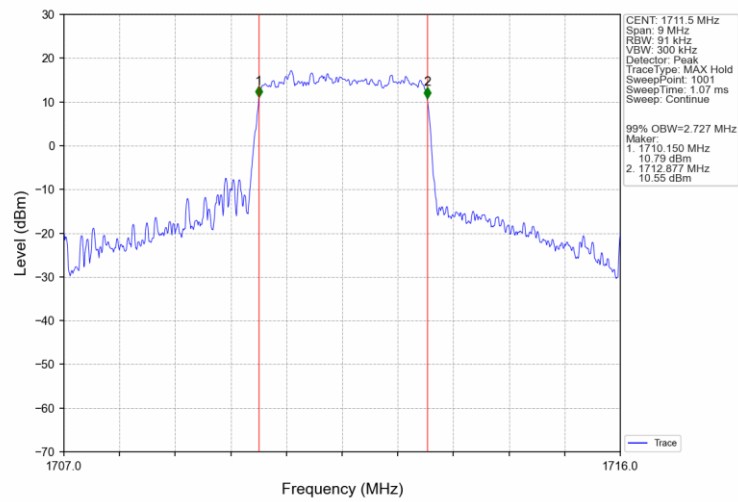
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



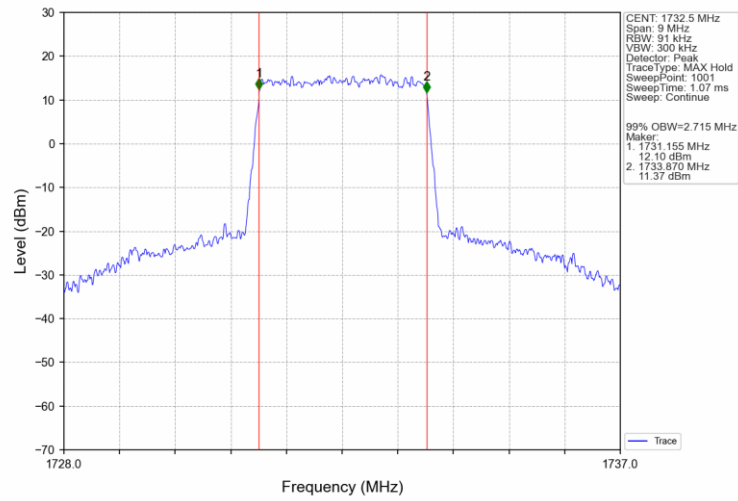
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



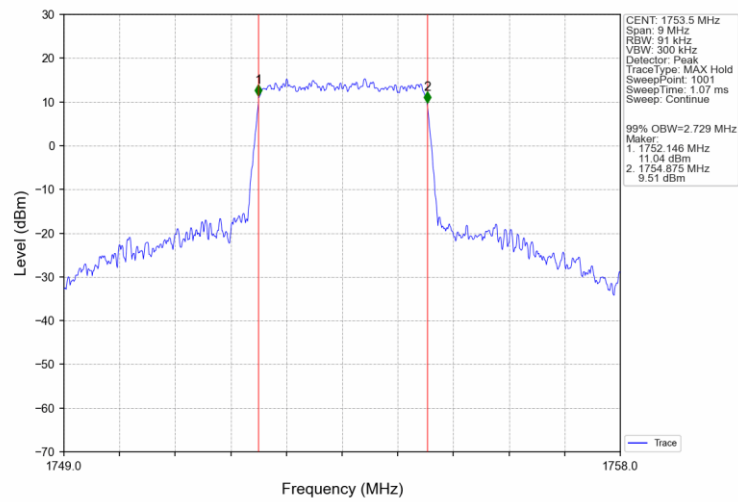
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



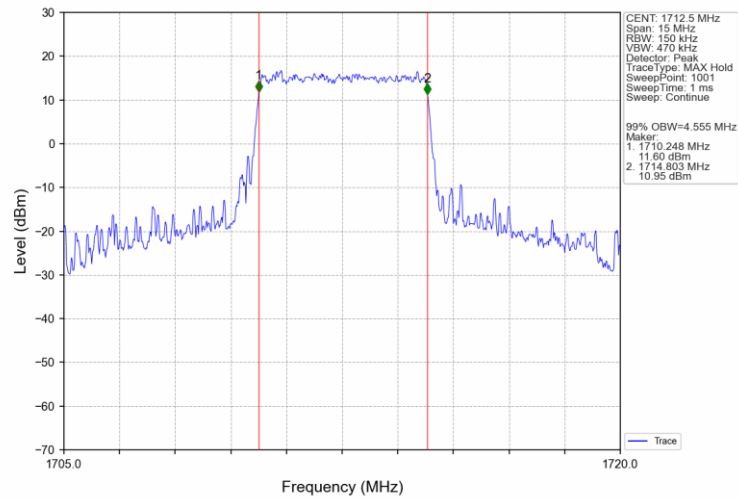
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



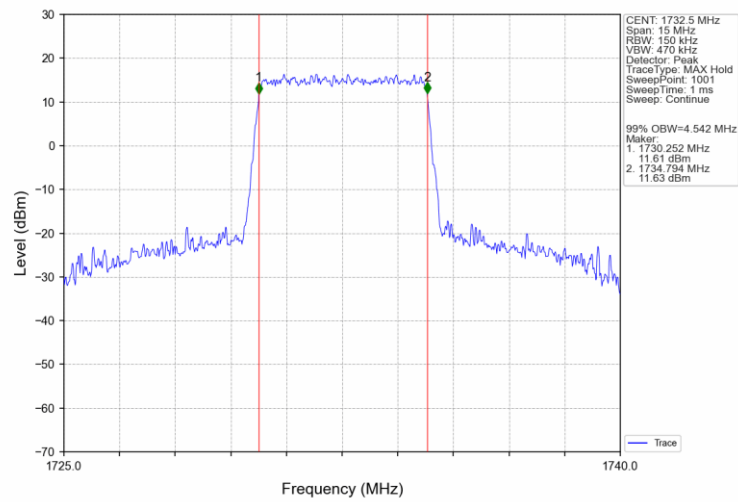
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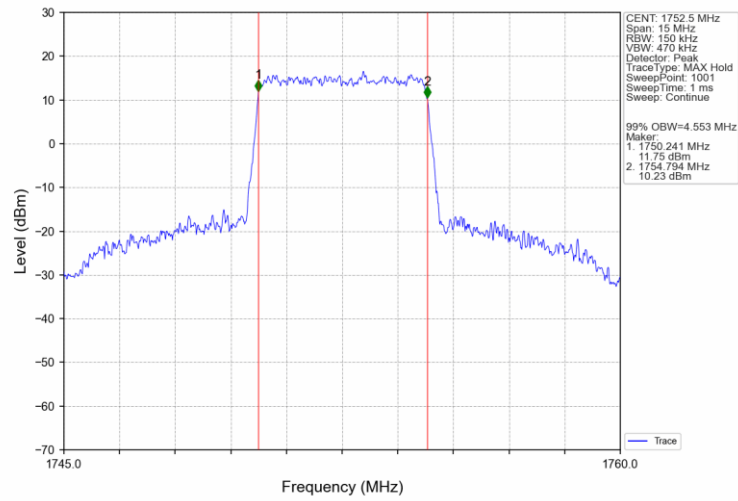
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



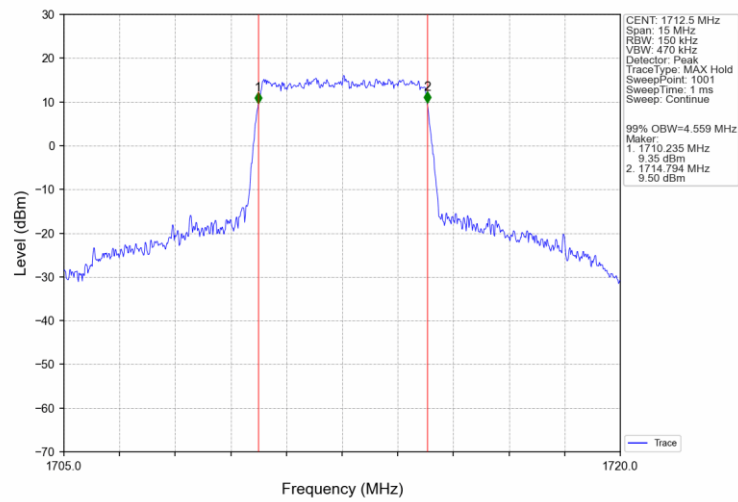
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



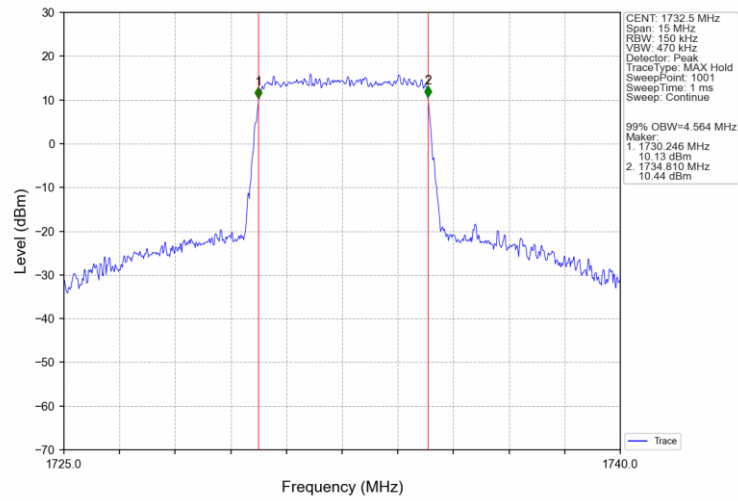
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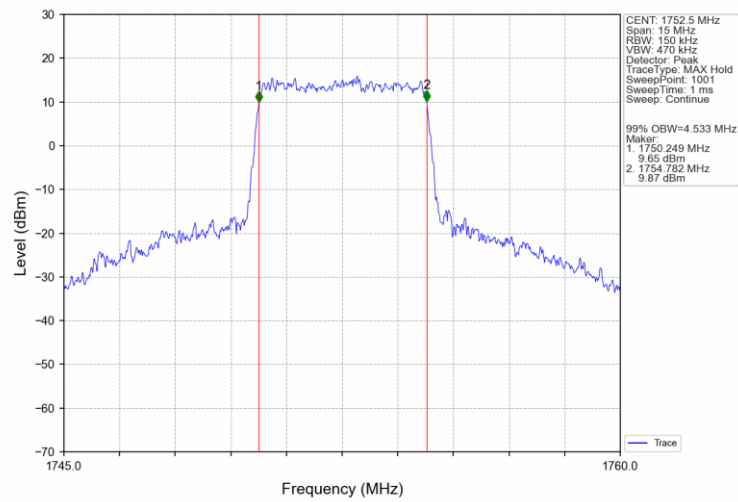
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



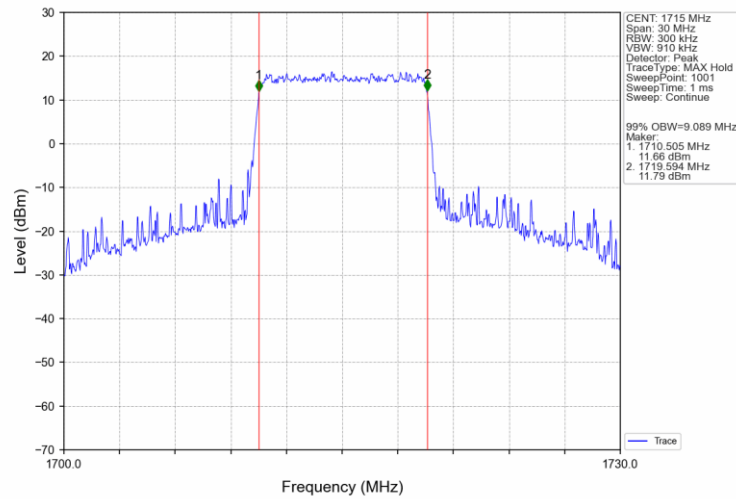
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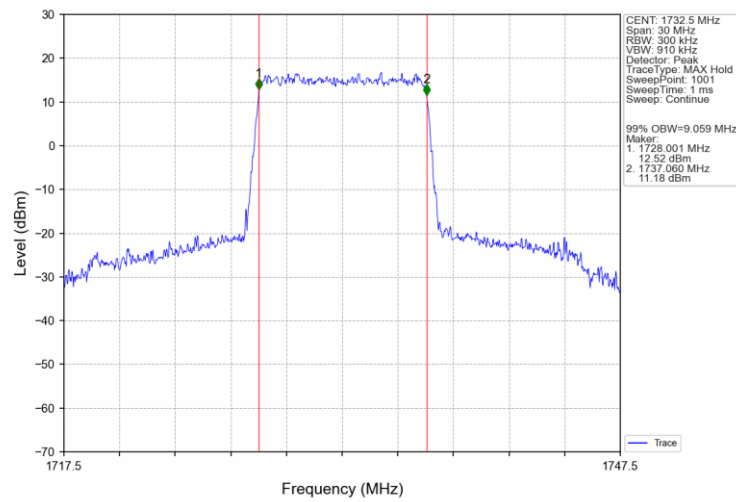
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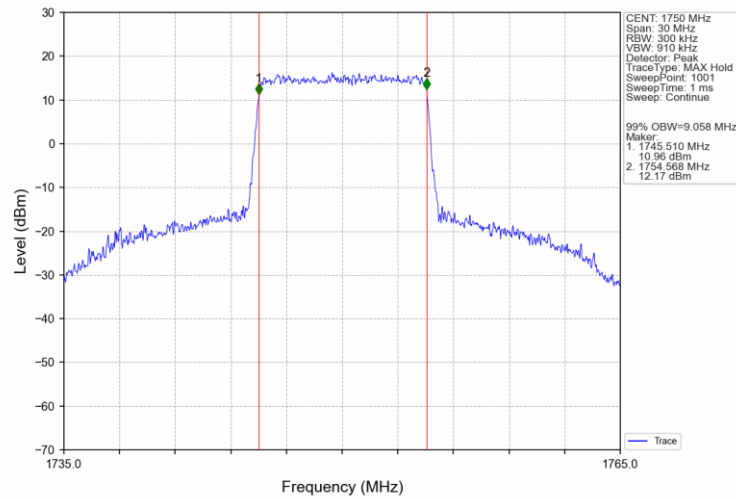
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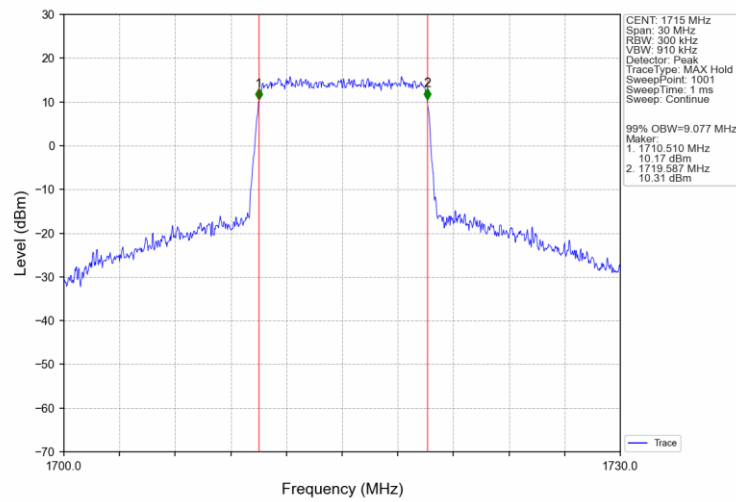
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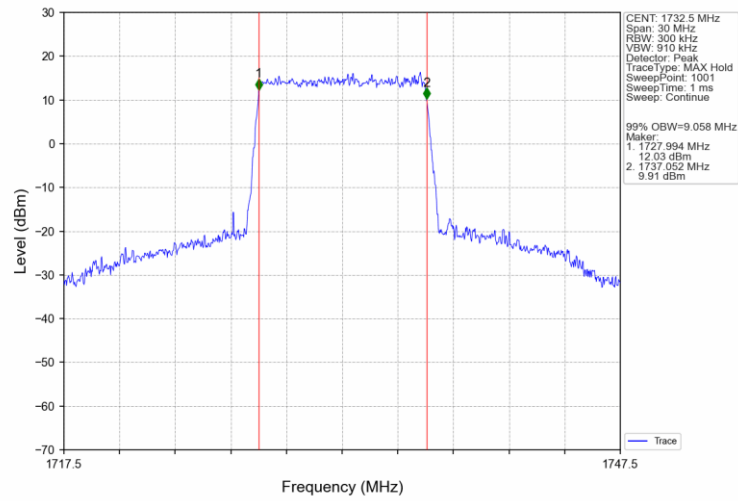
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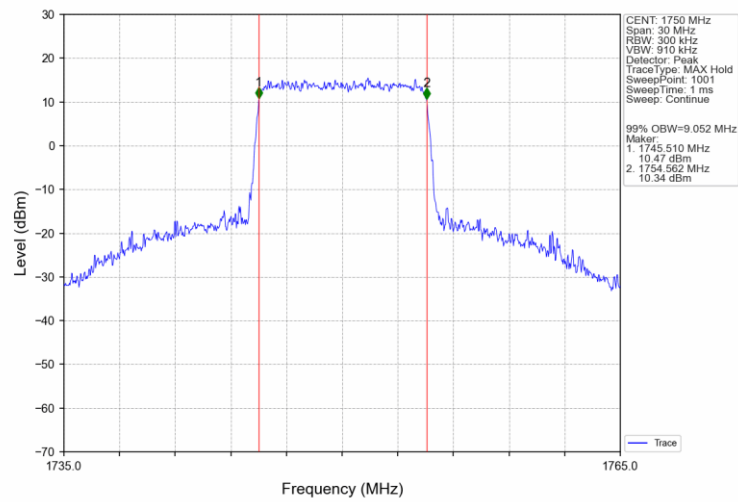
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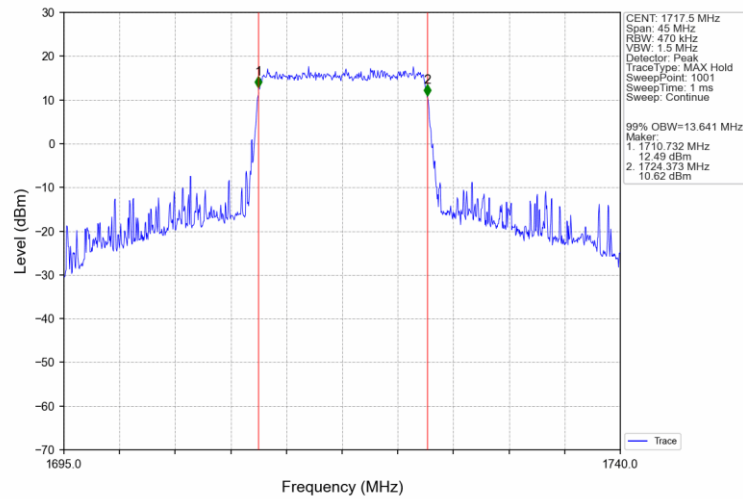
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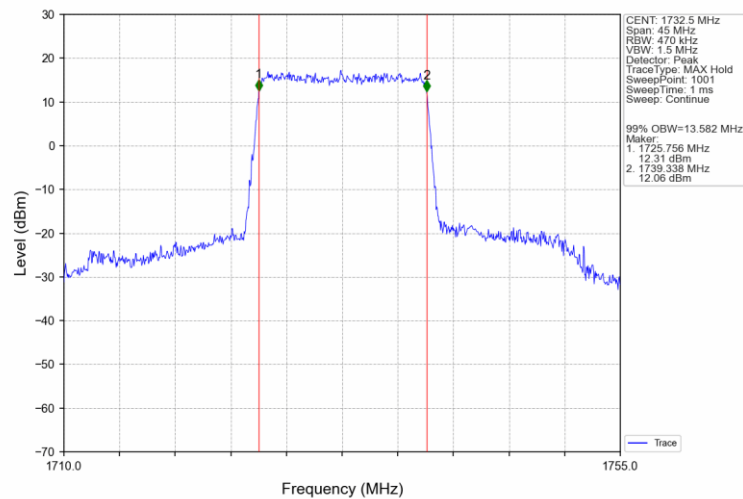
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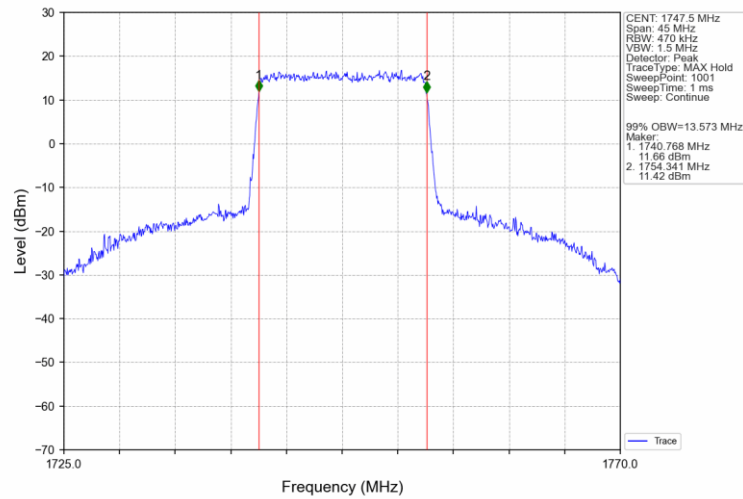
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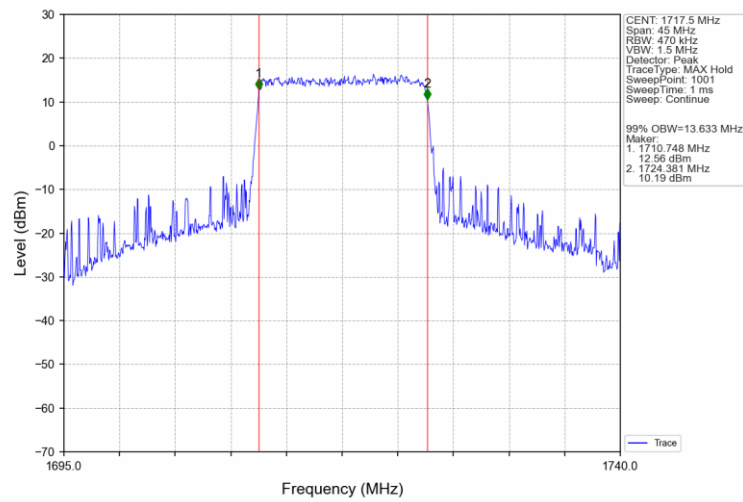
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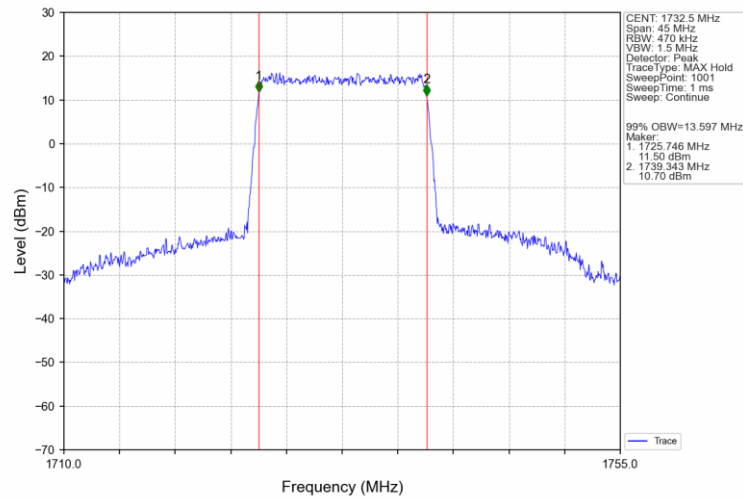
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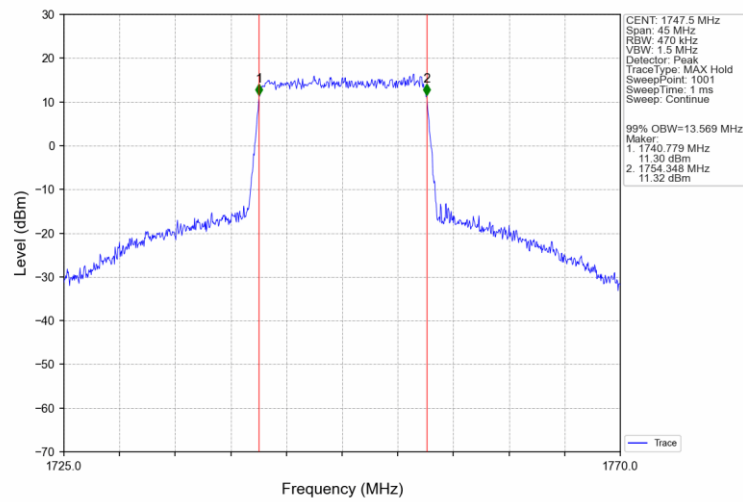
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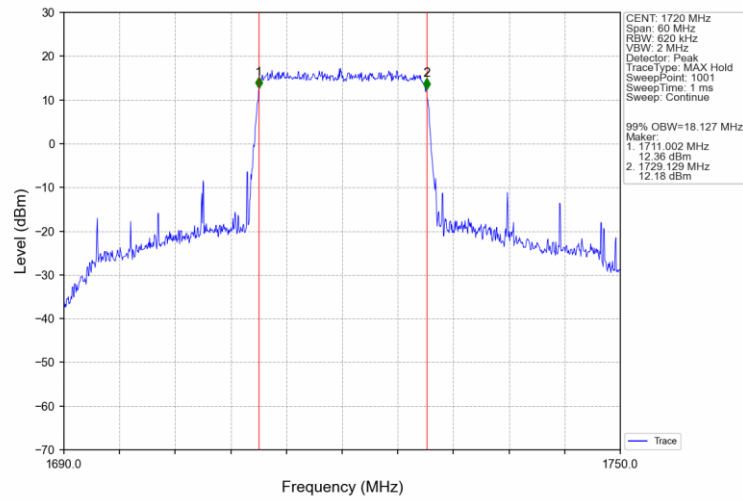
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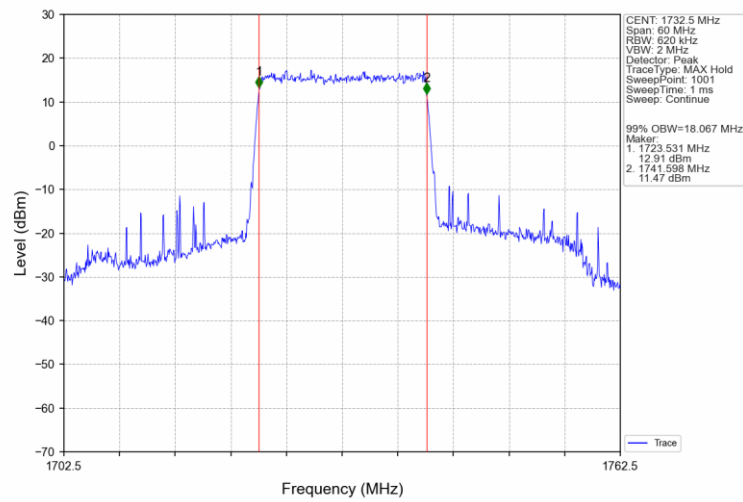
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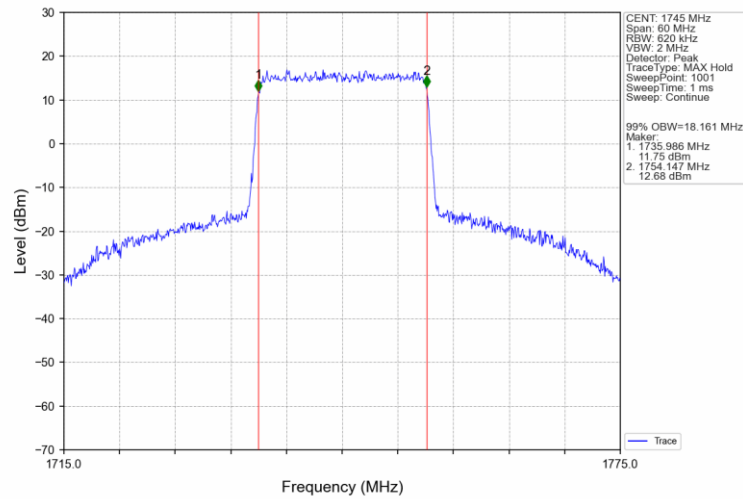
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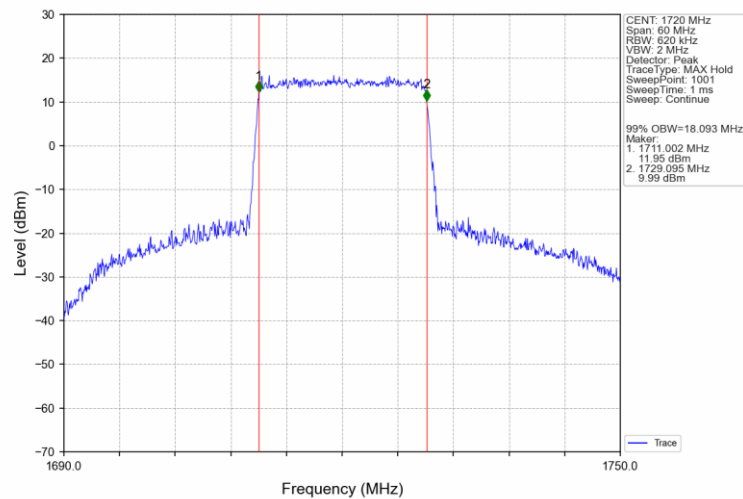
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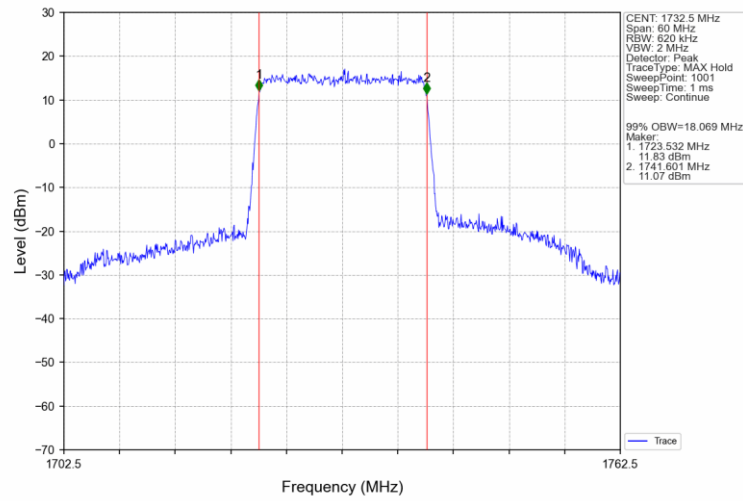
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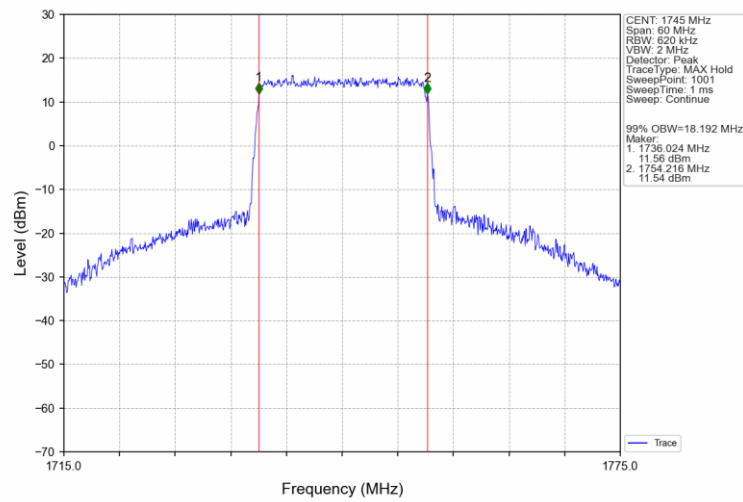
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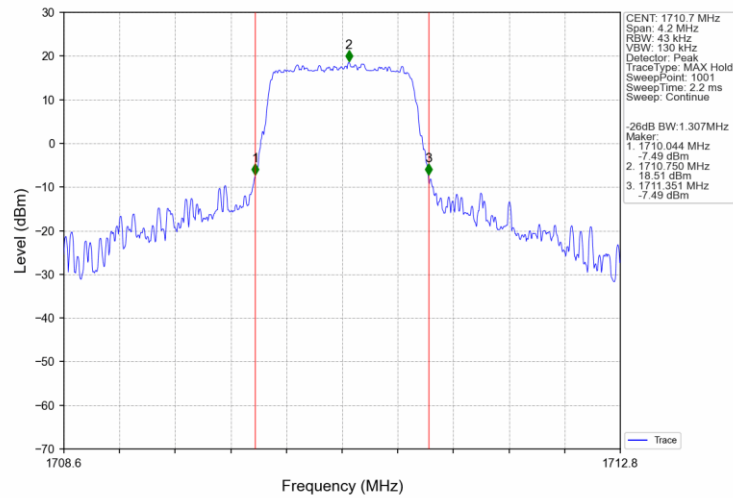


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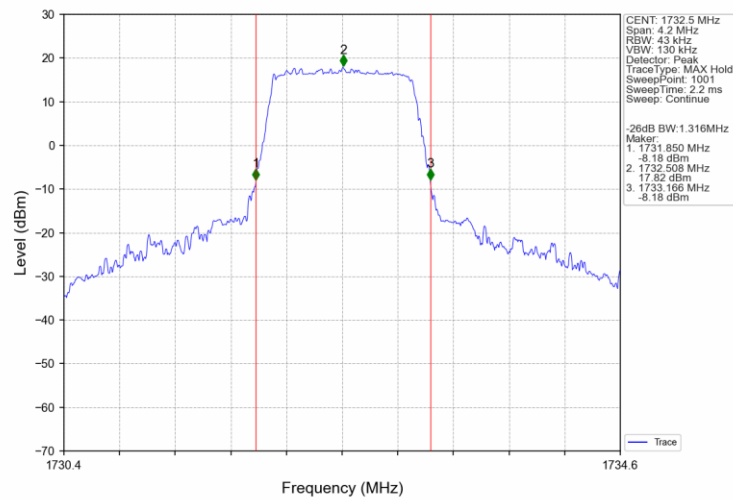


4.2.2 Band4_XDB

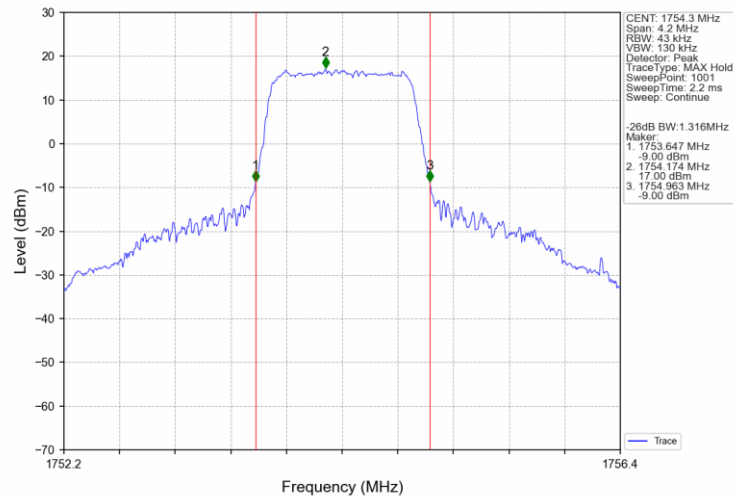
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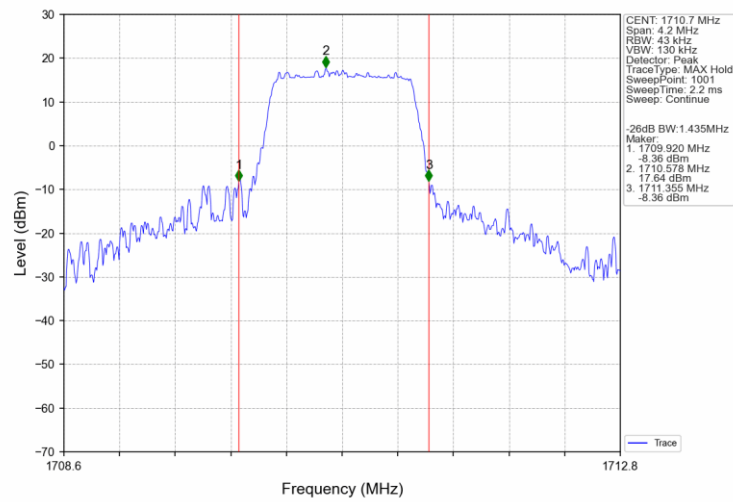
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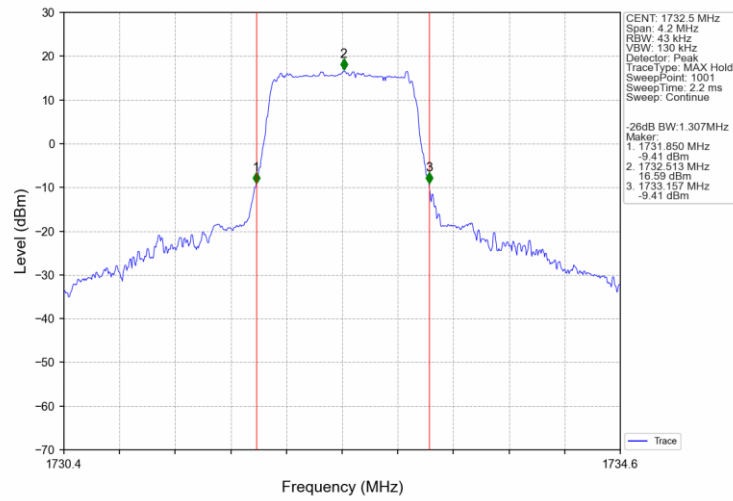
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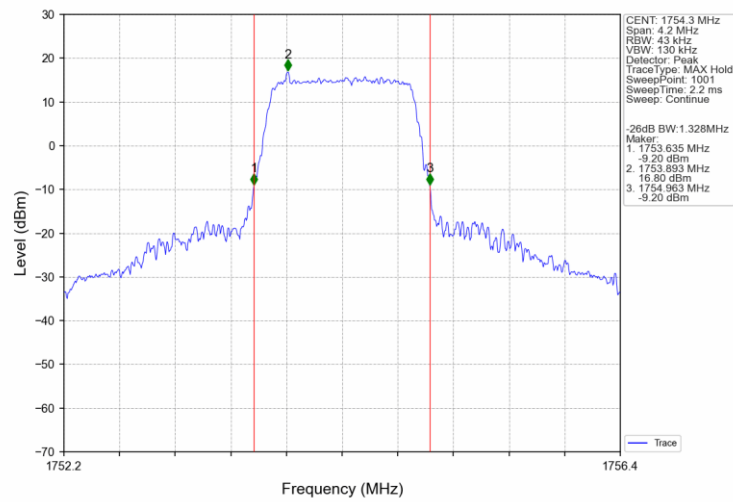
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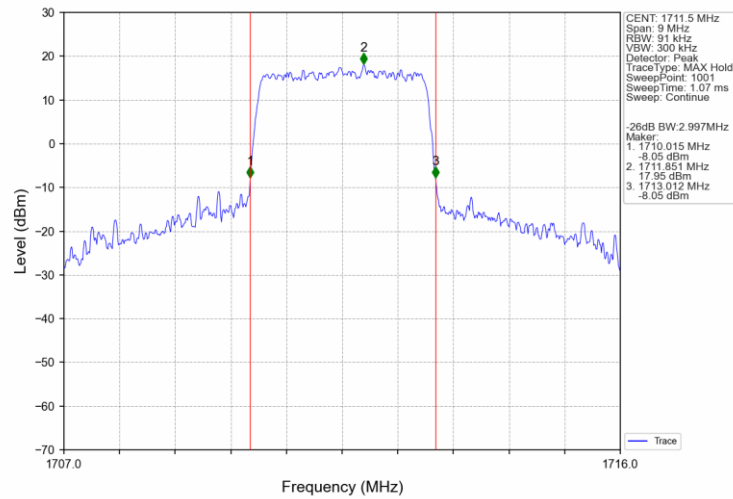
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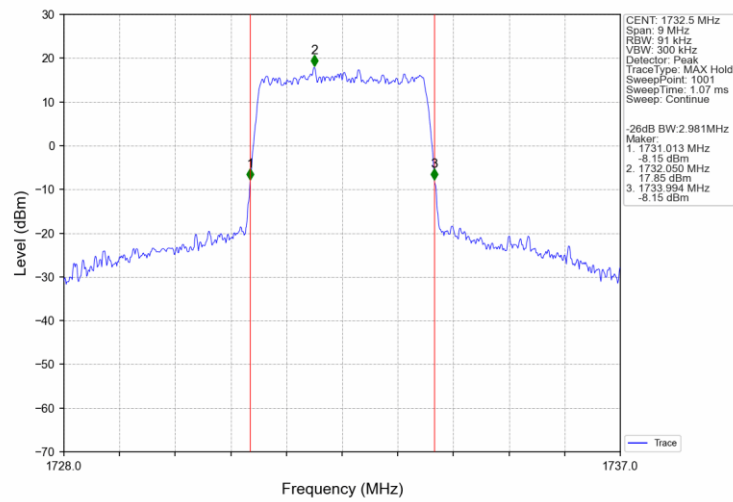
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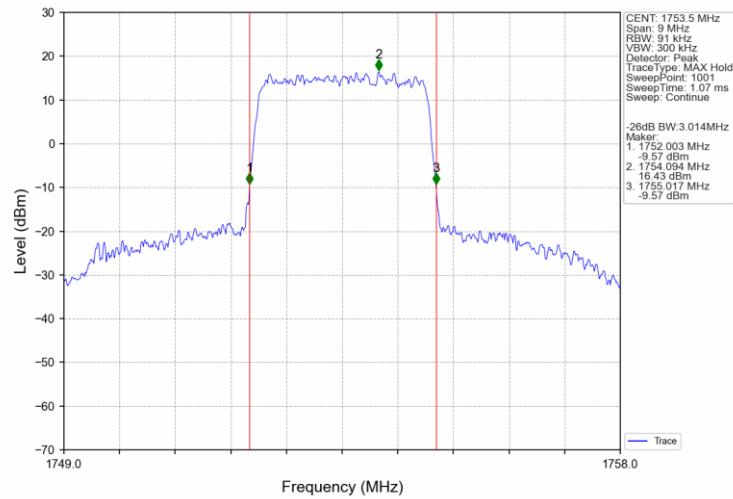
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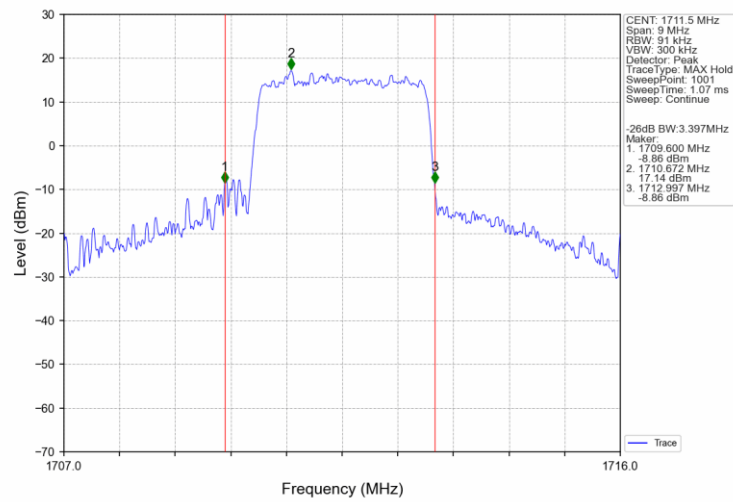
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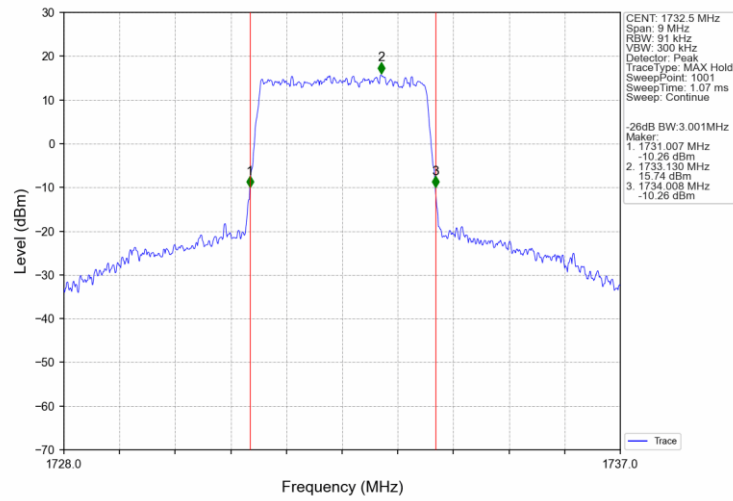
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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

