

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	22.24	2.04	24.28	<=30	Pass
			2	22.33	2.04	24.37	<=30	Pass
			5	22.22	2.04	24.26	<=30	Pass
		3	0	22.38	2.04	24.42	<=30	Pass
			2	22.40	2.04	24.44	<=30	Pass
			3	22.38	2.04	24.42	<=30	Pass
		6	0	21.35	2.04	23.39	<=30	Pass
	1732.5	1	0	22.44	2.04	24.48	<=30	Pass
			2	22.57	2.04	24.61	<=30	Pass
			5	22.44	2.04	24.48	<=30	Pass
		3	0	22.39	2.04	24.43	<=30	Pass
			2	22.43	2.04	24.47	<=30	Pass
			3	22.38	2.04	24.42	<=30	Pass
		6	0	21.47	2.04	23.51	<=30	Pass
	1754.3	1	0	22.38	2.04	24.42	<=30	Pass
			2	22.49	2.04	24.53	<=30	Pass
			5	22.38	2.04	24.42	<=30	Pass
		3	0	22.40	2.04	24.44	<=30	Pass
			2	22.50	2.04	24.54	<=30	Pass
			3	22.41	2.04	24.45	<=30	Pass
16QAM	1710.7	1	0	21.23	2.04	23.27	<=30	Pass
			2	21.37	2.04	23.41	<=30	Pass
			5	21.25	2.04	23.29	<=30	Pass
		3	0	21.57	2.04	23.61	<=30	Pass
			2	21.60	2.04	23.64	<=30	Pass
			3	21.58	2.04	23.62	<=30	Pass
		6	0	20.38	2.04	22.42	<=30	Pass
	1732.5	1	0	21.31	2.04	23.35	<=30	Pass
			2	21.44	2.04	23.48	<=30	Pass
			5	21.34	2.04	23.38	<=30	Pass
		3	0	21.39	2.04	23.43	<=30	Pass
			2	21.38	2.04	23.42	<=30	Pass
			3	21.35	2.04	23.39	<=30	Pass
		6	0	20.31	2.04	22.35	<=30	Pass
	1754.3	1	0	21.46	2.04	23.50	<=30	Pass
			2	21.56	2.04	23.60	<=30	Pass
			5	21.46	2.04	23.50	<=30	Pass
		3	0	21.30	2.04	23.34	<=30	Pass
			2	21.33	2.04	23.37	<=30	Pass
			3	21.33	2.04	23.37	<=30	Pass
		6	0	20.41	2.04	22.45	<=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	22.34	2.04	24.38	<=30	Pass
			7	22.46	2.04	24.50	<=30	Pass
			14	22.31	2.04	24.35	<=30	Pass
		8	0	21.31	2.04	23.35	<=30	Pass
			4	21.36	2.04	23.40	<=30	Pass
			7	21.33	2.04	23.37	<=30	Pass
		15	0	21.36	2.04	23.40	<=30	Pass
	1732.5	1	0	22.48	2.04	24.52	<=30	Pass
			7	22.59	2.04	24.63	<=30	Pass
			14	22.48	2.04	24.52	<=30	Pass
		8	0	21.42	2.04	23.46	<=30	Pass
			4	21.46	2.04	23.50	<=30	Pass
			7	21.43	2.04	23.47	<=30	Pass
		15	0	21.34	2.04	23.38	<=30	Pass
	1753.5	1	0	22.43	2.04	24.47	<=30	Pass
			7	22.56	2.04	24.60	<=30	Pass
			14	22.40	2.04	24.44	<=30	Pass
		8	0	21.45	2.04	23.49	<=30	Pass
			4	21.48	2.04	23.52	<=30	Pass
			7	21.44	2.04	23.48	<=30	Pass
16QAM	1711.5	1	0	21.88	2.04	23.92	<=30	Pass
			7	22.03	2.04	24.07	<=30	Pass
			14	21.91	2.04	23.95	<=30	Pass
		8	0	20.56	2.04	22.60	<=30	Pass
			4	20.59	2.04	22.63	<=30	Pass
			7	20.55	2.04	22.59	<=30	Pass
		15	0	20.46	2.04	22.50	<=30	Pass
	1732.5	1	0	21.35	2.04	23.39	<=30	Pass
			7	21.48	2.04	23.52	<=30	Pass
			14	21.32	2.04	23.36	<=30	Pass
		8	0	20.44	2.04	22.48	<=30	Pass
			4	20.47	2.04	22.51	<=30	Pass
			7	20.41	2.04	22.45	<=30	Pass
		15	0	20.41	2.04	22.45	<=30	Pass
	1753.5	1	0	21.47	2.04	23.51	<=30	Pass
			7	21.63	2.04	23.67	<=30	Pass
			14	21.51	2.04	23.55	<=30	Pass
		8	0	20.34	2.04	22.38	<=30	Pass
			4	20.39	2.04	22.43	<=30	Pass
			7	20.35	2.04	22.39	<=30	Pass
		15	0	20.31	2.04	22.35	<=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	22.25	2.04	24.29	<=30	Pass
			13	22.39	2.04	24.43	<=30	Pass
			24	22.28	2.04	24.32	<=30	Pass
		12	0	21.33	2.04	23.37	<=30	Pass
			6	21.37	2.04	23.41	<=30	Pass
			13	21.35	2.04	23.39	<=30	Pass
		25	0	21.30	2.04	23.34	<=30	Pass

16QAM	1732.5	1	0	22.34	2.04	24.38	<=30	Pass
			13	22.44	2.04	24.48	<=30	Pass
			24	22.36	2.04	24.40	<=30	Pass
		12	0	21.35	2.04	23.39	<=30	Pass
			6	21.41	2.04	23.45	<=30	Pass
			13	21.34	2.04	23.38	<=30	Pass
		25	0	21.28	2.04	23.32	<=30	Pass
	1752.5	1	0	22.40	2.04	24.44	<=30	Pass
			13	22.48	2.04	24.52	<=30	Pass
			24	22.40	2.04	24.44	<=30	Pass
		12	0	21.30	2.04	23.34	<=30	Pass
			6	21.42	2.04	23.46	<=30	Pass
			13	21.39	2.04	23.43	<=30	Pass
		25	0	21.33	2.04	23.37	<=30	Pass
16QAM	1712.5	1	0	21.12	2.04	23.16	<=30	Pass
			13	21.26	2.04	23.30	<=30	Pass
			24	21.16	2.04	23.20	<=30	Pass
		12	0	20.35	2.04	22.39	<=30	Pass
			6	20.41	2.04	22.45	<=30	Pass
			13	20.39	2.04	22.43	<=30	Pass
		25	0	20.39	2.04	22.43	<=30	Pass
	1732.5	1	0	21.34	2.04	23.38	<=30	Pass
			13	21.41	2.04	23.45	<=30	Pass
			24	21.31	2.04	23.35	<=30	Pass
		12	0	20.32	2.04	22.36	<=30	Pass
			6	20.37	2.04	22.41	<=30	Pass
			13	20.29	2.04	22.33	<=30	Pass
		25	0	20.34	2.04	22.38	<=30	Pass
	1752.5	1	0	21.46	2.04	23.50	<=30	Pass
			13	21.56	2.04	23.60	<=30	Pass
			24	21.52	2.04	23.56	<=30	Pass
		12	0	20.27	2.04	22.31	<=30	Pass
			6	20.41	2.04	22.45	<=30	Pass
			13	20.38	2.04	22.42	<=30	Pass
		25	0	20.28	2.04	22.32	<=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	22.30	2.04	24.34	<=30	Pass
			25	22.49	2.04	24.53	<=30	Pass
			49	22.34	2.04	24.38	<=30	Pass
		25	0	21.42	2.04	23.46	<=30	Pass
			13	21.41	2.04	23.45	<=30	Pass
			25	21.36	2.04	23.40	<=30	Pass
		50	0	21.41	2.04	23.45	<=30	Pass
	1732.5	1	0	22.36	2.04	24.40	<=30	Pass
			25	22.60	2.04	24.64	<=30	Pass
			49	22.45	2.04	24.49	<=30	Pass
		25	0	21.42	2.04	23.46	<=30	Pass
			13	21.36	2.04	23.40	<=30	Pass
			25	21.34	2.04	23.38	<=30	Pass
		50	0	21.37	2.04	23.41	<=30	Pass
	1750	1	0	22.50	2.04	24.54	<=30	Pass
			25	22.62	2.04	24.66	<=30	Pass

16QAM	1715	25	49	22.44	2.04	24.48	<=30	Pass
			0	21.27	2.04	23.31	<=30	Pass
			13	21.32	2.04	23.36	<=30	Pass
			25	21.40	2.04	23.44	<=30	Pass
		50	0	21.27	2.04	23.31	<=30	Pass
	1732.5	1	0	21.45	2.04	23.49	<=30	Pass
			25	21.69	2.04	23.73	<=30	Pass
			49	21.53	2.04	23.57	<=30	Pass
		25	0	20.48	2.04	22.52	<=30	Pass
			13	20.48	2.04	22.52	<=30	Pass
			25	20.44	2.04	22.48	<=30	Pass
		50	0	20.45	2.04	22.49	<=30	Pass
		1	0	21.82	2.04	23.86	<=30	Pass
			25	21.92	2.04	23.96	<=30	Pass
			49	21.66	2.04	23.70	<=30	Pass
		25	0	20.49	2.04	22.53	<=30	Pass
			13	20.41	2.04	22.45	<=30	Pass
			25	20.37	2.04	22.41	<=30	Pass
	1750	1	0	20.38	2.04	22.42	<=30	Pass
			0	21.26	2.04	23.30	<=30	Pass
			25	21.43	2.04	23.47	<=30	Pass
		25	49	21.32	2.04	23.36	<=30	Pass
			0	20.25	2.04	22.29	<=30	Pass
			13	20.32	2.04	22.36	<=30	Pass
		50	25	20.45	2.04	22.49	<=30	Pass
			0	20.27	2.04	22.31	<=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	22.24	2.04	24.28	<=30	Pass
			38	22.34	2.04	24.38	<=30	Pass
			74	22.26	2.04	24.30	<=30	Pass
		36	0	21.48	2.04	23.52	<=30	Pass
			18	21.45	2.04	23.49	<=30	Pass
			39	21.38	2.04	23.42	<=30	Pass
		75	0	21.42	2.04	23.46	<=30	Pass
	1732.5	1	0	22.23	2.04	24.27	<=30	Pass
			38	22.43	2.04	24.47	<=30	Pass
			74	22.32	2.04	24.36	<=30	Pass
		36	0	21.51	2.04	23.55	<=30	Pass
			18	21.55	2.04	23.59	<=30	Pass
			39	21.53	2.04	23.57	<=30	Pass
		75	0	21.52	2.04	23.56	<=30	Pass
	1747.5	1	0	22.40	2.04	24.44	<=30	Pass
			38	22.52	2.04	24.56	<=30	Pass
			74	22.34	2.04	24.38	<=30	Pass
		36	0	21.54	2.04	23.58	<=30	Pass
			18	21.56	2.04	23.60	<=30	Pass
			39	21.60	2.04	23.64	<=30	Pass
		75	0	21.54	2.04	23.58	<=30	Pass
16QAM	1717.5	1	0	21.62	2.04	23.66	<=30	Pass
			38	21.79	2.04	23.83	<=30	Pass
			74	21.64	2.04	23.68	<=30	Pass
		36	0	20.45	2.04	22.49	<=30	Pass

		75	18	20.42	2.04	22.46	<=30	Pass
			39	20.38	2.04	22.42	<=30	Pass
			0	20.40	2.04	22.44	<=30	Pass
	1732.5	1	0	21.41	2.04	23.45	<=30	Pass
			38	21.49	2.04	23.53	<=30	Pass
			74	21.30	2.04	23.34	<=30	Pass
		36	0	20.47	2.04	22.51	<=30	Pass
			18	20.46	2.04	22.50	<=30	Pass
			39	20.42	2.04	22.46	<=30	Pass
		75	0	20.47	2.04	22.51	<=30	Pass
	1747.5	1	0	21.56	2.04	23.60	<=30	Pass
			38	21.71	2.04	23.75	<=30	Pass
			74	21.70	2.04	23.74	<=30	Pass
		36	0	20.38	2.04	22.42	<=30	Pass
			18	20.42	2.04	22.46	<=30	Pass
			39	20.48	2.04	22.52	<=30	Pass
		75	0	20.42	2.04	22.46	<=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	22.07	2.04	24.11	<=30	Pass
			50	22.44	2.04	24.48	<=30	Pass
			99	22.18	2.04	24.22	<=30	Pass
		50	0	21.42	2.04	23.46	<=30	Pass
			25	21.36	2.04	23.40	<=30	Pass
			50	21.25	2.04	23.29	<=30	Pass
		100	0	21.39	2.04	23.43	<=30	Pass
	1732.5	1	0	22.10	2.04	24.14	<=30	Pass
			50	22.56	2.04	24.60	<=30	Pass
			99	22.21	2.04	24.25	<=30	Pass
		50	0	21.40	2.04	23.44	<=30	Pass
			25	21.34	2.04	23.38	<=30	Pass
			50	21.25	2.04	23.29	<=30	Pass
		100	0	21.36	2.04	23.40	<=30	Pass
	1745	1	0	22.16	2.04	24.20	<=30	Pass
			50	22.58	2.04	24.62	<=30	Pass
			99	22.15	2.04	24.19	<=30	Pass
		50	0	21.20	2.04	23.24	<=30	Pass
			25	21.30	2.04	23.34	<=30	Pass
			50	21.41	2.04	23.45	<=30	Pass
		100	0	21.30	2.04	23.34	<=30	Pass
16QAM	1720	1	0	21.29	2.04	23.33	<=30	Pass
			50	21.72	2.04	23.76	<=30	Pass
			99	21.28	2.04	23.32	<=30	Pass
		50	0	20.46	2.04	22.50	<=30	Pass
			25	20.45	2.04	22.49	<=30	Pass
			50	20.29	2.04	22.33	<=30	Pass
		100	0	20.40	2.04	22.44	<=30	Pass
	1732.5	1	0	21.39	2.04	23.43	<=30	Pass
			50	21.69	2.04	23.73	<=30	Pass
			99	21.22	2.04	23.26	<=30	Pass
		50	0	20.43	2.04	22.47	<=30	Pass
			25	20.38	2.04	22.42	<=30	Pass
			50	20.24	2.04	22.28	<=30	Pass

		100	0	20.38	2.04	22.42	<=30	Pass
	1745	1	0	21.47	2.04	23.51	<=30	Pass
			50	21.74	2.04	23.78	<=30	Pass
			99	21.56	2.04	23.60	<=30	Pass
			50	0	20.09	2.04	22.13	<=30
		25		20.21	2.04	22.25	<=30	Pass
		50		20.34	2.04	22.38	<=30	Pass
		100	0	20.26	2.04	22.30	<=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	-5.221	-0.0031	-2.5 to 2.5	Pass
					3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
					4.43	-4.878	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-11.201	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-4.921	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-7.095	-0.0041	-2.5 to 2.5	Pass
					3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
					4.43	1.116	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-4.191	-0.0024	-2.5 to 2.5	Pass
					3.85	-6.480	-0.0037	-2.5 to 2.5	Pass
					4.43	-2.832	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-7.939	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-7.153	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-5.865	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-5.851	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-3.576	-0.0020	-2.5 to 2.5	Pass
				40	3.85	1.316	0.0008	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
					3.27	-4.134	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.078	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-7.324	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-3.576	-0.0020	-2.5 to 2.5	Pass

				-20	3.85	-3.190	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-4.063	-0.0024	-2.5 to 2.5	Pass
				10	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-3.533	-0.0020	-2.5 to 2.5	Pass
					3.85	-6.781	-0.0039	-2.5 to 2.5	Pass
					4.43	-7.668	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-10.099	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-8.812	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-11.187	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-11.573	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-8.883	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-2.532	-0.0014	-2.5 to 2.5	Pass
					3.85	-4.091	-0.0023	-2.5 to 2.5	Pass
					4.43	-7.997	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.445	-0.0008	-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	-17.924	-0.0105	-2.5 to 2.5	Pass
					3.85	-4.878	-0.0029	-2.5 to 2.5	Pass
					4.43	-4.048	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-6.437	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-6.609	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-8.469	-0.0049	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-6.738	-0.0039	-2.5 to 2.5	Pass
					3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
					4.43	-5.708	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-7.253	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				40	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				50	3.85	2.160	0.0012	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-7.768	-0.0044	-2.5 to 2.5	Pass

					3.85	-7.868	-0.0045	-2.5 to 2.5	Pass
					4.43	-5.207	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-7.596	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-5.364	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-7.725	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-3.705	-0.0022	-2.5 to 2.5	Pass
					3.85	-7.138	-0.0042	-2.5 to 2.5	Pass
					4.43	-2.804	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-6.437	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-6.566	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
	50	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.27	-4.706	-0.0027	-2.5 to 2.5	Pass
					3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
					4.43	-6.137	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-6.824	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-8.569	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-4.764	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
	50	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass			
	1753.5	15	0	20	3.27	-7.839	-0.0045	-2.5 to 2.5	Pass
					3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
					4.43	-6.380	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-7.582	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-6.223	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-5.307	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
	50	3.85	-0.186	-0.0001	-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	-6.251	-0.0037	-2.5 to 2.5	Pass
					3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
					4.43	-3.834	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
					3.85	-3.891	-0.0023	-2.5 to 2.5	Pass
					3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-6.080	-0.0036	-2.5 to 2.5	Pass
					3.85	-5.779	-0.0034	-2.5 to 2.5	Pass
					3.85	-3.548	-0.0021	-2.5 to 2.5	Pass

	1732.5	25	0	40	3.85	-10.271	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-6.151	-0.0036	-2.5 to 2.5	Pass
				20	3.27	-9.098	-0.0053	-2.5 to 2.5	Pass
					3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				-30	4.43	-2.346	-0.0014	-2.5 to 2.5	Pass
					3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-8.068	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-4.406	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-7.997	-0.0046	-2.5 to 2.5	Pass
					3.85	-7.768	-0.0044	-2.5 to 2.5	Pass
				-30	4.43	-3.834	-0.0022	-2.5 to 2.5	Pass
					3.85	-7.982	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-6.723	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-3.762	-0.0021	-2.5 to 2.5	Pass
				30	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				50	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-2.689	-0.0016	-2.5 to 2.5	Pass
					3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				-30	4.43	0.730	0.0004	-2.5 to 2.5	Pass
					3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-5.994	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-7.153	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-8.540	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-5.808	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-9.742	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-5.965	-0.0035	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-2.446	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				-30	4.43	-3.476	-0.0020	-2.5 to 2.5	Pass
					3.85	-7.610	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-5.264	-0.0030	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-3.018	-0.0017	-2.5 to 2.5	Pass
					3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
				-30	4.43	-6.723	-0.0038	-2.5 to 2.5	Pass
					3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-9.871	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-6.180	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-6.380	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-7.110	-0.0041	-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	-9.656	-0.0056	-2.5 to 2.5	Pass
					3.85	-7.195	-0.0042	-2.5 to 2.5	Pass
					4.43	-5.679	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-3.934	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-8.354	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-6.123	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-7.739	-0.0045	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-7.195	-0.0042	-2.5 to 2.5	Pass
					3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
					4.43	-3.405	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-8.898	-0.0051	-2.5 to 2.5	Pass
					3.85	-8.526	-0.0049	-2.5 to 2.5	Pass
					4.43	-6.123	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-4.849	-0.0028	-2.5 to 2.5	Pass
					3.85	-6.094	-0.0036	-2.5 to 2.5	Pass
					4.43	-5.536	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-7.725	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				30	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	0.830	0.0005	-2.5 to 2.5	Pass
					3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
					4.43	-4.735	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-7.639	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-4.621	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-6.480	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass

	1750	50	0	20	3.27	-8.211	-0.0047	-2.5 to 2.5	Pass
					3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
					4.43	-6.051	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-7.653	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-7.052	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-9.584	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-8.397	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-8.168	-0.0047	-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	-6.137	-0.0036	-2.5 to 2.5	Pass
					3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
					4.43	-5.393	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-7.124	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-6.795	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-5.736	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-6.924	-0.0040	-2.5 to 2.5	Pass
					3.85	-3.934	-0.0023	-2.5 to 2.5	Pass
					4.43	-3.762	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-5.078	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-3.719	-0.0021	-2.5 to 2.5	Pass
					3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
					4.43	-3.533	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-6.967	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-7.153	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-3.705	-0.0022	-2.5 to 2.5	Pass
					3.85	-6.838	-0.0040	-2.5 to 2.5	Pass
					4.43	-5.121	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-4.048	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.436	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-8.540	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass

	1732.5	75	0	30	3.85	-10.958	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-10.529	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				20	3.27	-4.649	-0.0027	-2.5 to 2.5	Pass
					3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
					4.43	-5.751	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-4.764	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
	1747.5	75	0	0	3.85	-11.473	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-7.167	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-5.422	-0.0031	-2.5 to 2.5	Pass
				20	3.27	-6.595	-0.0038	-2.5 to 2.5	Pass
					3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
					4.43	-3.290	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-5.479	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-6.652	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-8.669	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-9.255	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-7.596	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-7.968	-0.0046	-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	-9.170	-0.0053	-2.5 to 2.5	Pass
					3.85	-7.081	-0.0041	-2.5 to 2.5	Pass
					4.43	-4.478	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-6.337	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-7.367	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-9.212	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-3.748	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-5.093	-0.0030	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-5.865	-0.0034	-2.5 to 2.5	Pass
					3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
					4.43	1.044	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-7.038	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-5.722	-0.0033	-2.5 to 2.5	Pass
					3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
					4.43	-4.649	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass

16QAM	1720	100	0	-10	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-7.181	-0.0041	-2.5 to 2.5	Pass
	1732.5	100	0	50	3.85	-4.420	-0.0025	-2.5 to 2.5	Pass
				20	3.27	-4.721	-0.0027	-2.5 to 2.5	Pass
					3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
					4.43	-4.120	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-4.234	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				20	3.27	-2.632	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-7.854	-0.0045	-2.5 to 2.5	Pass
	1745	100	0	-10	3.85	-3.562	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.621	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-6.108	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-8.955	-0.0052	-2.5 to 2.5	Pass
				20	3.27	-1.960	-0.0011	-2.5 to 2.5	Pass
					3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
					4.43	-4.706	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-6.709	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-9.155	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-4.964	-0.0028	-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

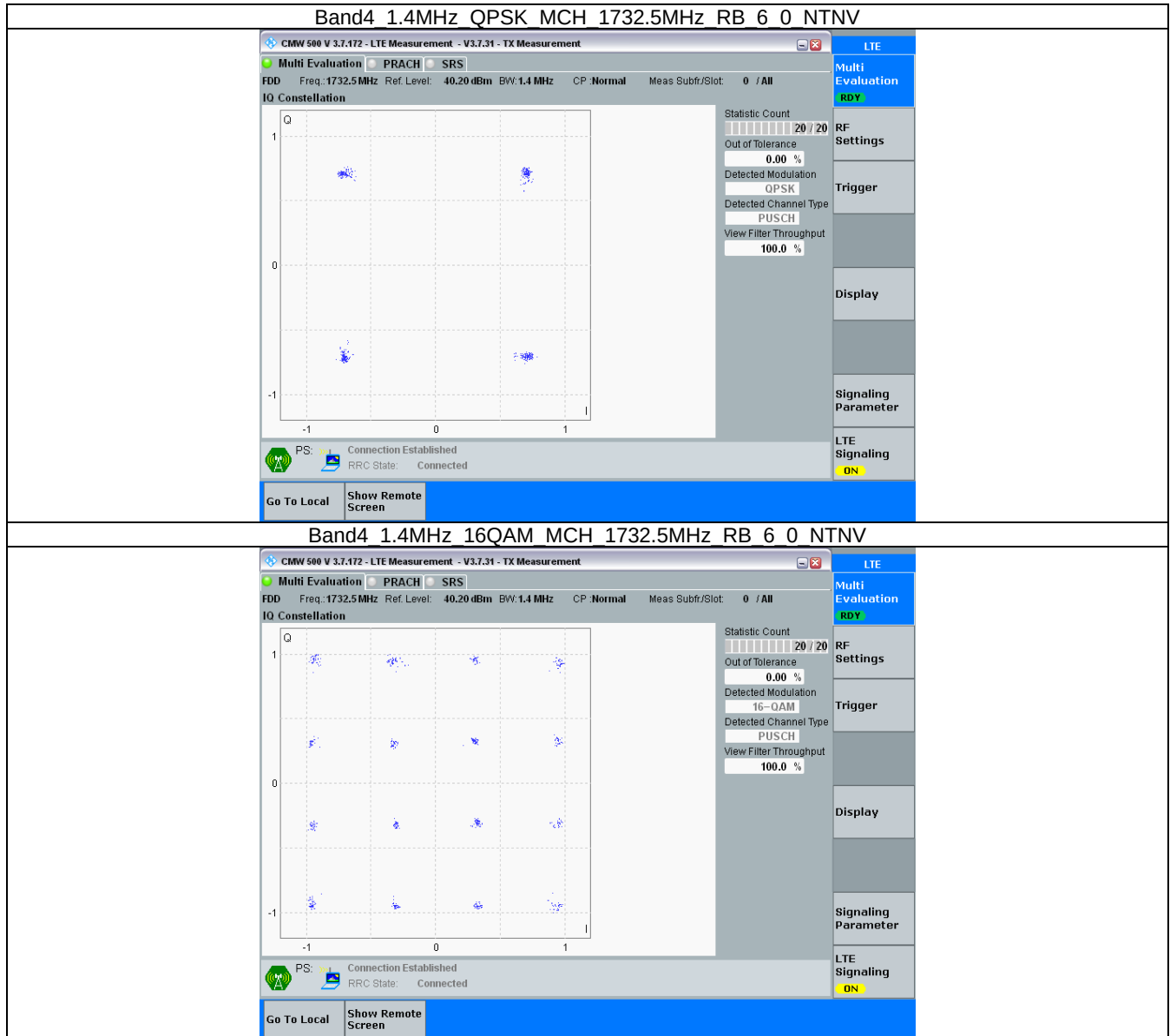
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

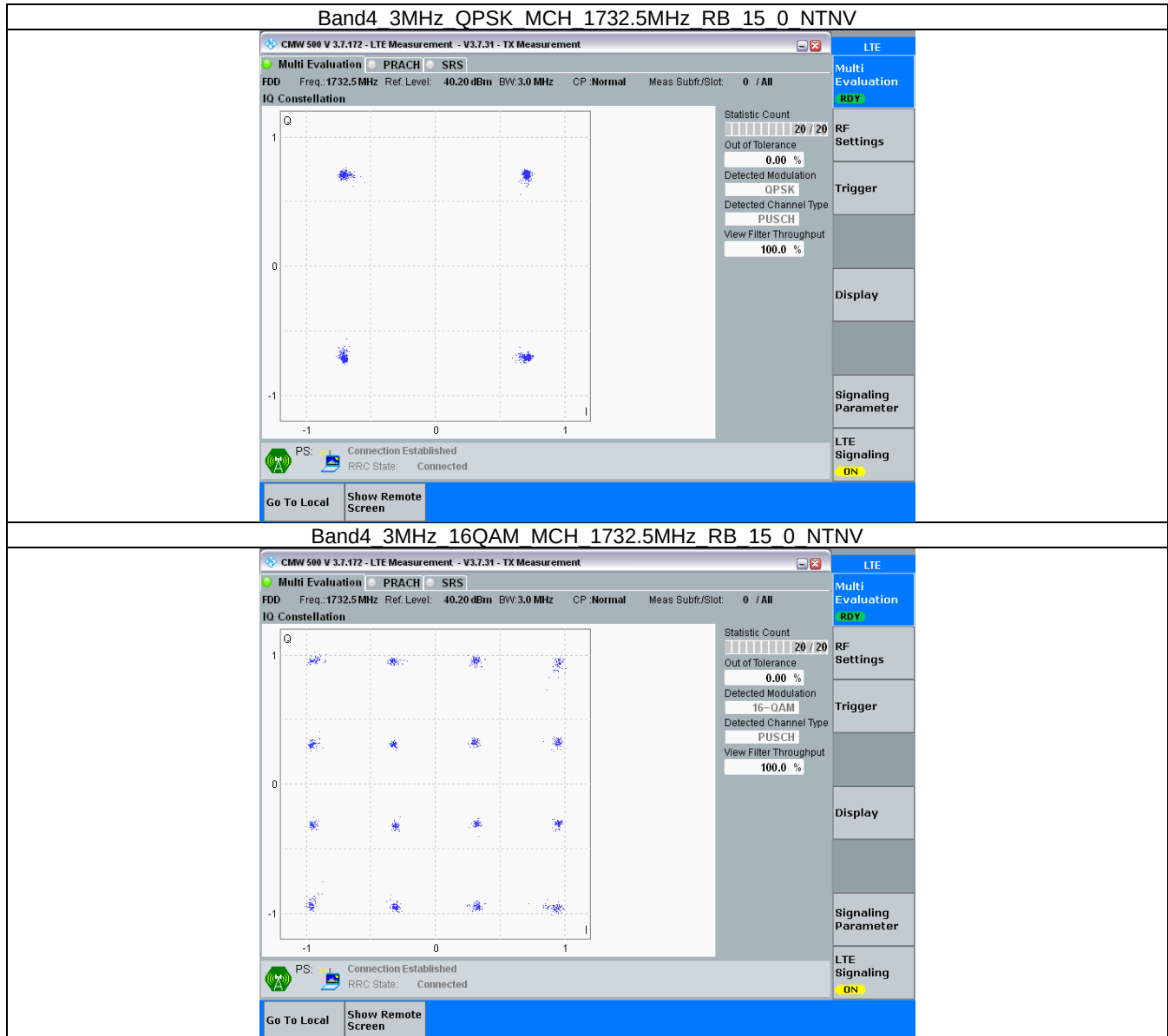
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

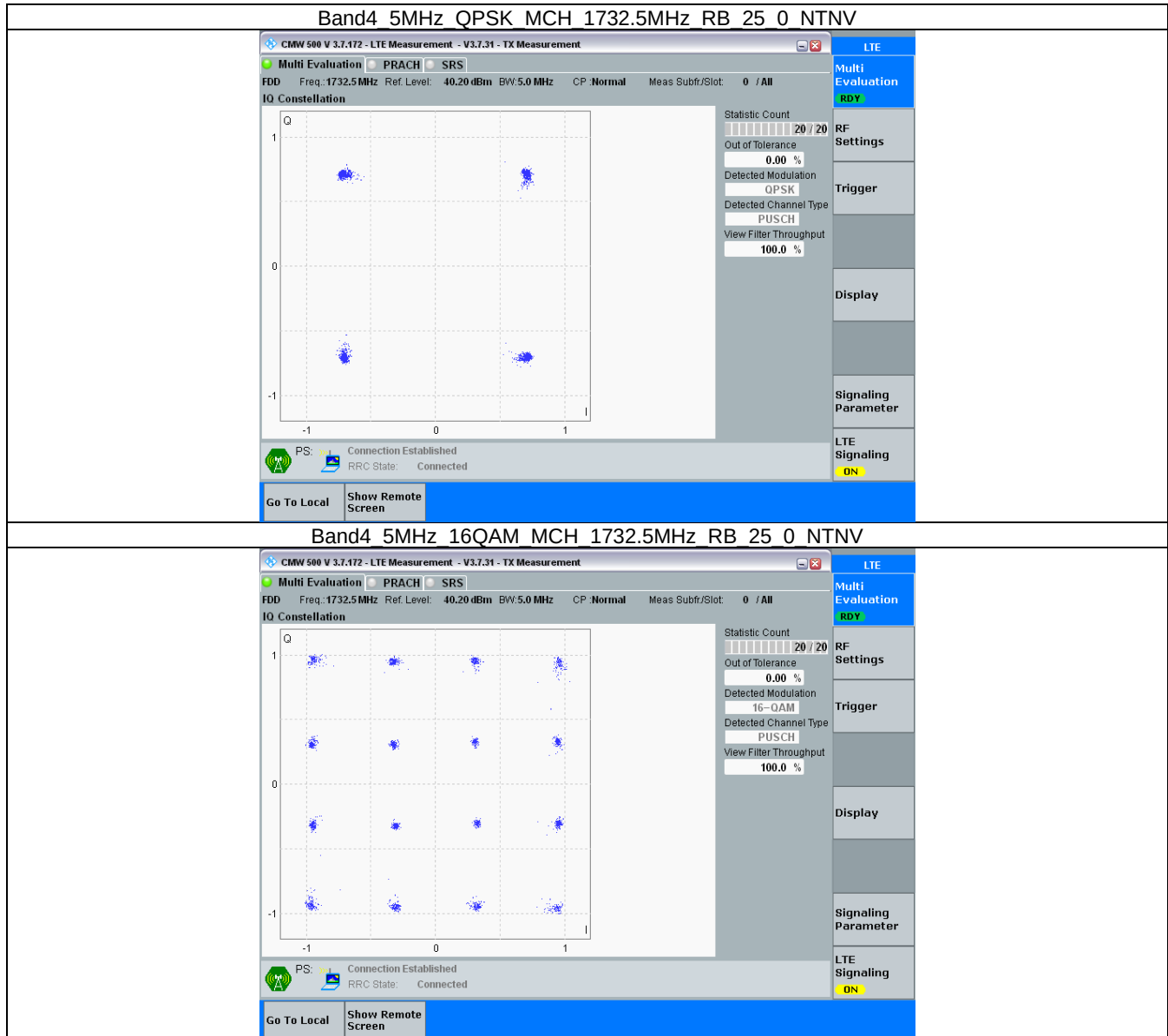
3.2.1 B4_1.4MHz



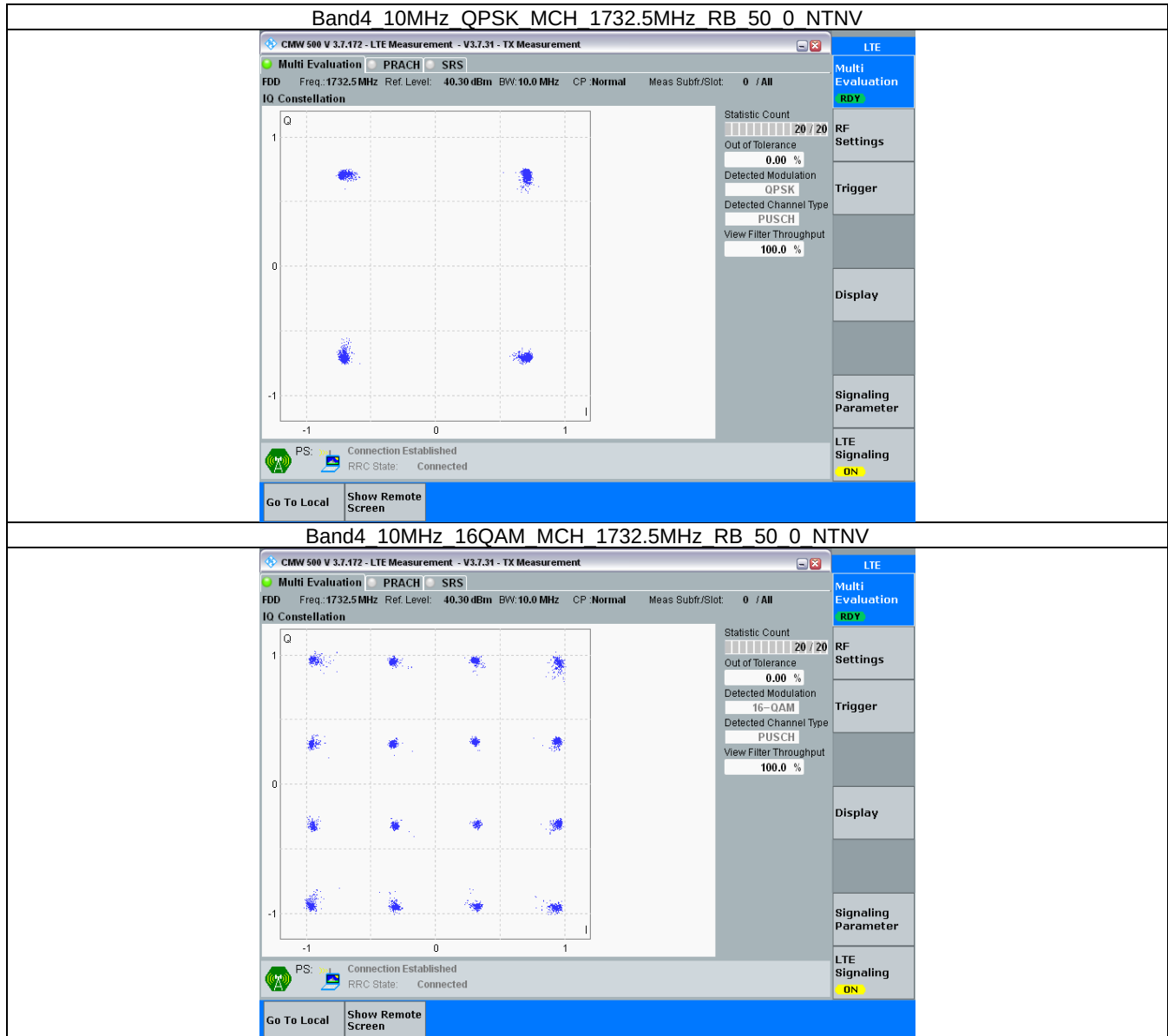
3.2.2 B4_3MHz



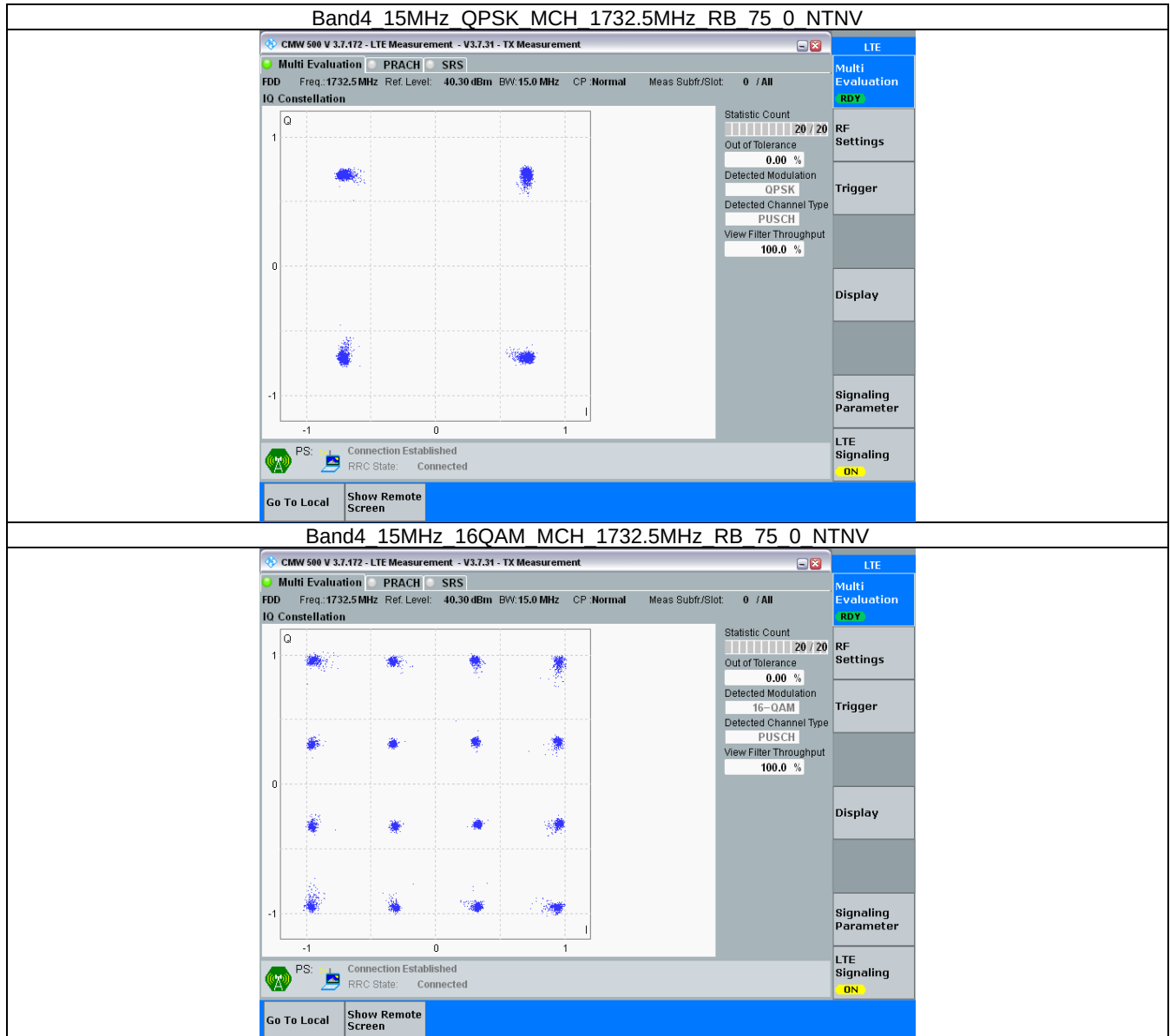
3.2.3 B4_5MHz



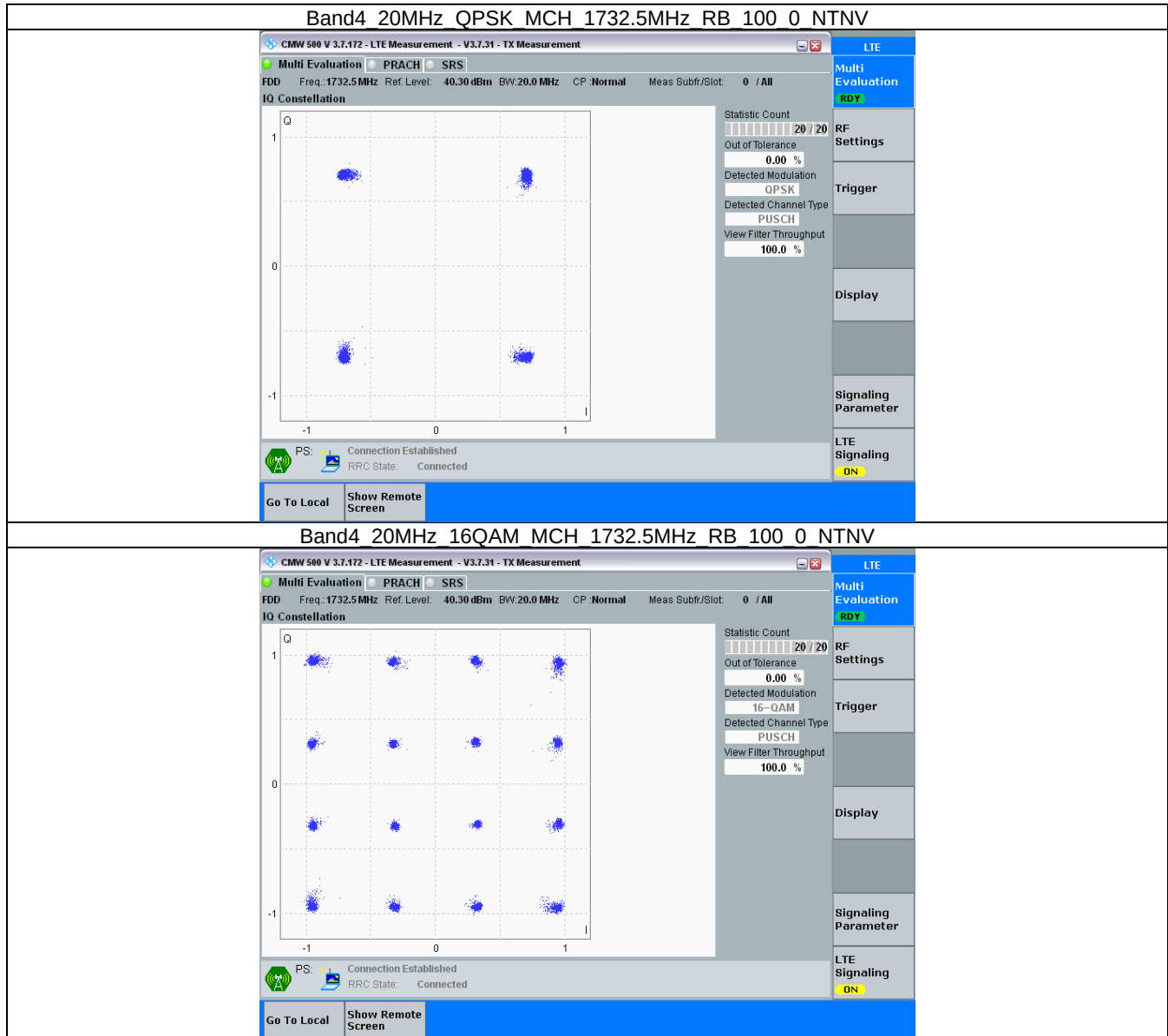
3.2.4 B4_10MHz



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	1.114	/	Pass
		1732.5	6	0	1.118	/	Pass
		1754.3	6	0	1.122	/	Pass
	16QAM	1710.7	6	0	1.104	/	Pass
		1732.5	6	0	1.114	/	Pass
		1754.3	6	0	1.116	/	Pass
3	QPSK	1711.5	15	0	2.718	/	Pass
		1732.5	15	0	2.734	/	Pass
		1753.5	15	0	2.728	/	Pass
	16QAM	1711.5	15	0	2.724	/	Pass
		1732.5	15	0	2.726	/	Pass
		1753.5	15	0	2.733	/	Pass
5	QPSK	1712.5	25	0	4.541	/	Pass
		1732.5	25	0	4.551	/	Pass
		1752.5	25	0	4.553	/	Pass
	16QAM	1712.5	25	0	4.547	/	Pass
		1732.5	25	0	4.566	/	Pass
		1752.5	25	0	4.549	/	Pass
10	QPSK	1715	50	0	9.048	/	Pass
		1732.5	50	0	9.092	/	Pass
		1750	50	0	9.093	/	Pass
	16QAM	1715	50	0	9.043	/	Pass
		1732.5	50	0	9.080	/	Pass
		1750	50	0	9.080	/	Pass
15	QPSK	1717.5	75	0	13.584	/	Pass
		1732.5	75	0	13.650	/	Pass
		1747.5	75	0	13.629	/	Pass
	16QAM	1717.5	75	0	13.550	/	Pass
		1732.5	75	0	13.670	/	Pass
		1747.5	75	0	13.666	/	Pass
20	QPSK	1720	100	0	18.070	/	Pass
		1732.5	100	0	18.198	/	Pass
		1745	100	0	18.210	/	Pass
	16QAM	1720	100	0	18.083	/	Pass
		1732.5	100	0	18.252	/	Pass
		1745	100	0	18.188	/	Pass

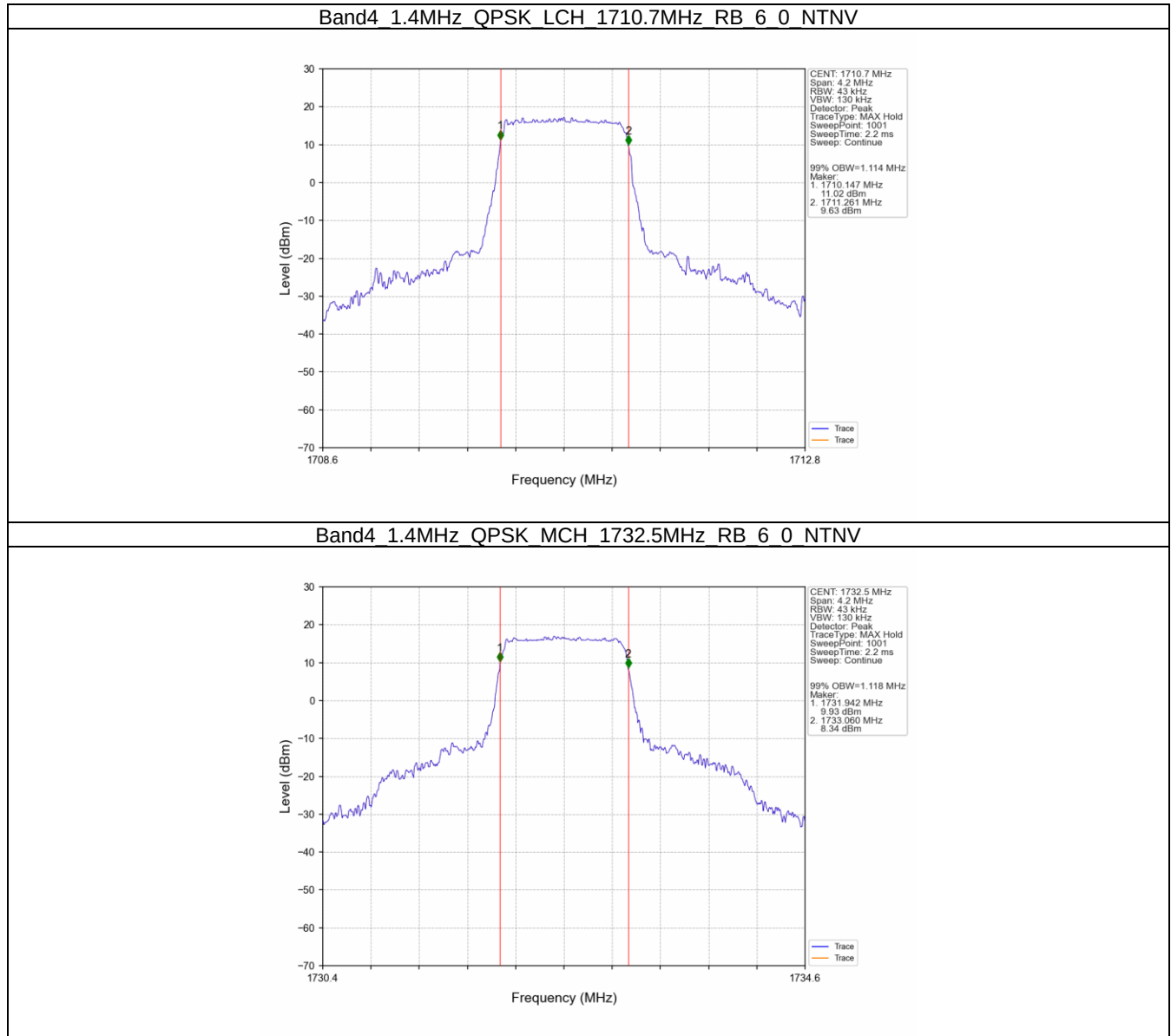
4.1.2 Band4_XDB

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	1.322	/	Pass
		1732.5	6	0	1.374	/	Pass
		1754.3	6	0	1.310	/	Pass

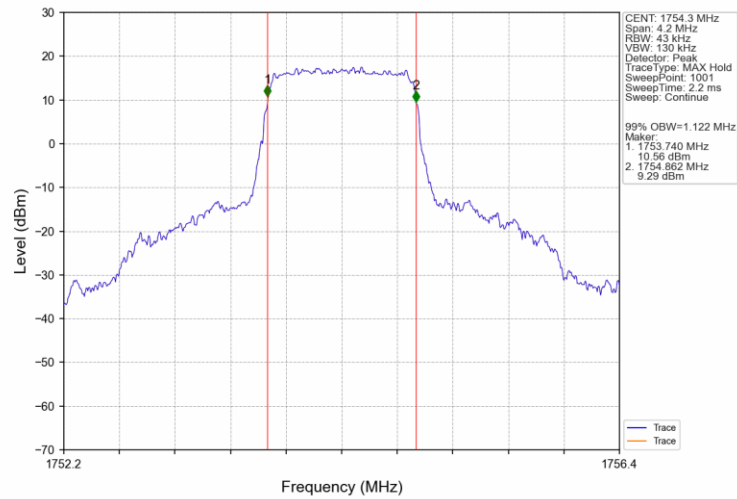
	16QAM	1710.7	6	0	1.296	/	Pass
		1732.5	6	0	1.319	/	Pass
		1754.3	6	0	1.345	/	Pass
3	QPSK	1711.5	15	0	2.992	/	Pass
		1732.5	15	0	2.997	/	Pass
		1753.5	15	0	3.016	/	Pass
	16QAM	1711.5	15	0	2.981	/	Pass
		1732.5	15	0	3.002	/	Pass
		1753.5	15	0	3.011	/	Pass
5	QPSK	1712.5	25	0	5.049	/	Pass
		1732.5	25	0	5.011	/	Pass
		1752.5	25	0	5.022	/	Pass
	16QAM	1712.5	25	0	5.078	/	Pass
		1732.5	25	0	5.037	/	Pass
		1752.5	25	0	5.064	/	Pass
10	QPSK	1715	50	0	9.982	/	Pass
		1732.5	50	0	9.994	/	Pass
		1750	50	0	10.326	/	Pass
	16QAM	1715	50	0	9.955	/	Pass
		1732.5	50	0	9.963	/	Pass
		1750	50	0	9.915	/	Pass
15	QPSK	1717.5	75	0	14.901	/	Pass
		1732.5	75	0	15.445	/	Pass
		1747.5	75	0	15.793	/	Pass
	16QAM	1717.5	75	0	14.960	/	Pass
		1732.5	75	0	14.941	/	Pass
		1747.5	75	0	17.166	/	Pass
20	QPSK	1720	100	0	20.258	/	Pass
		1732.5	100	0	19.869	/	Pass
		1745	100	0	22.642	/	Pass
	16QAM	1720	100	0	19.647	/	Pass
		1732.5	100	0	19.779	/	Pass
		1745	100	0	26.339	/	Pass

4.2 Test Graph

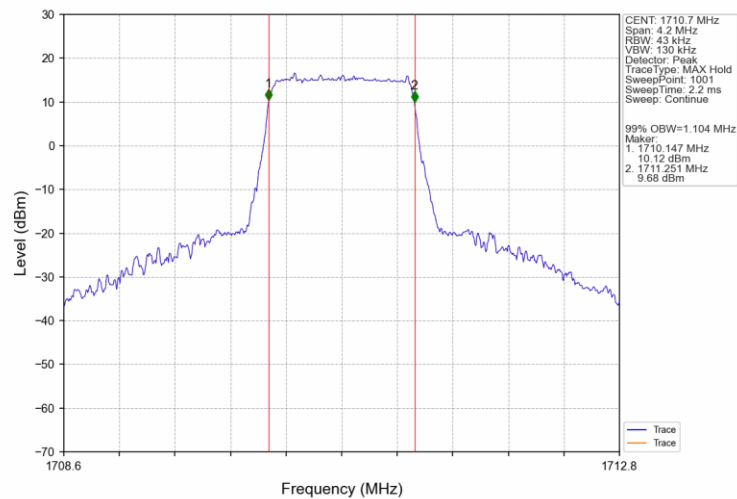
4.2.1 Band4_OBW



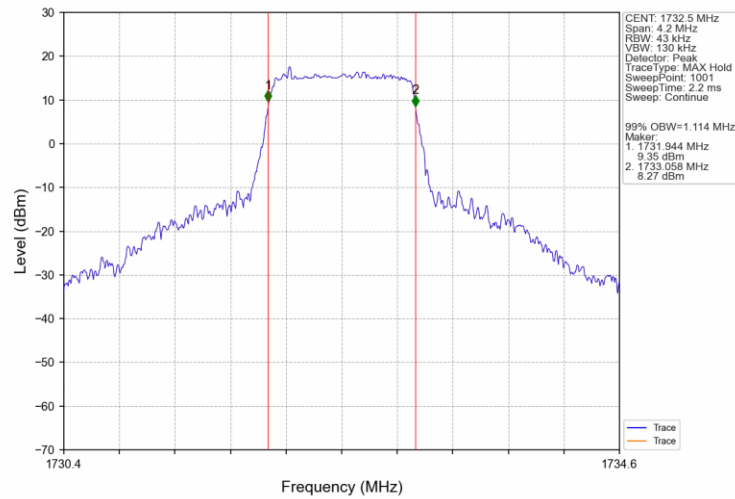
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



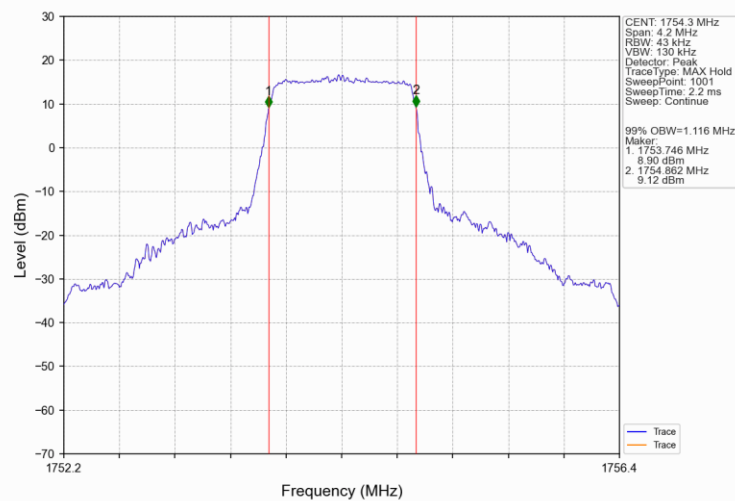
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



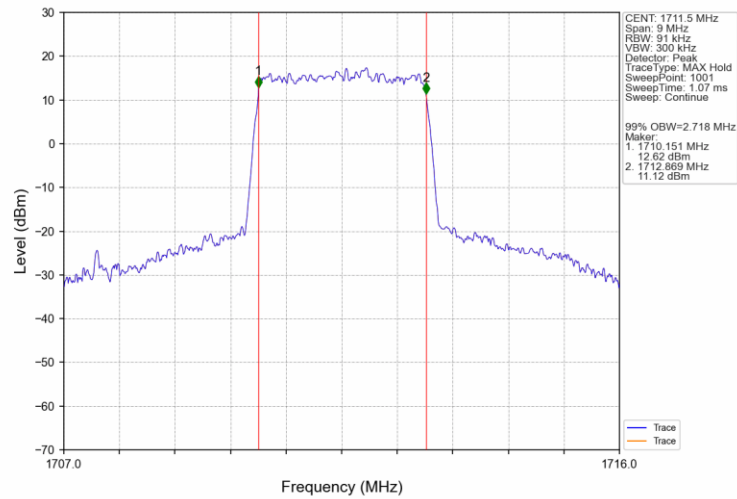
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



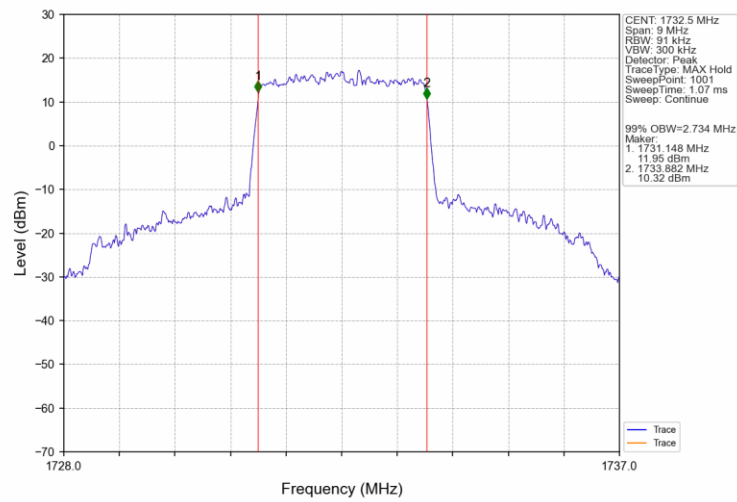
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



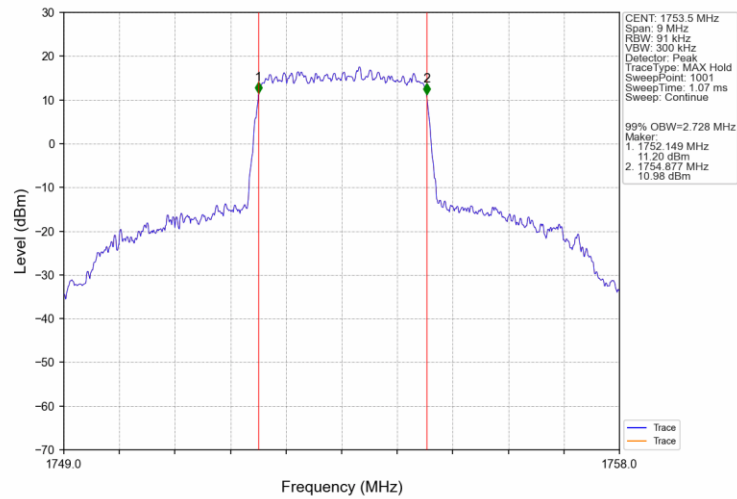
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



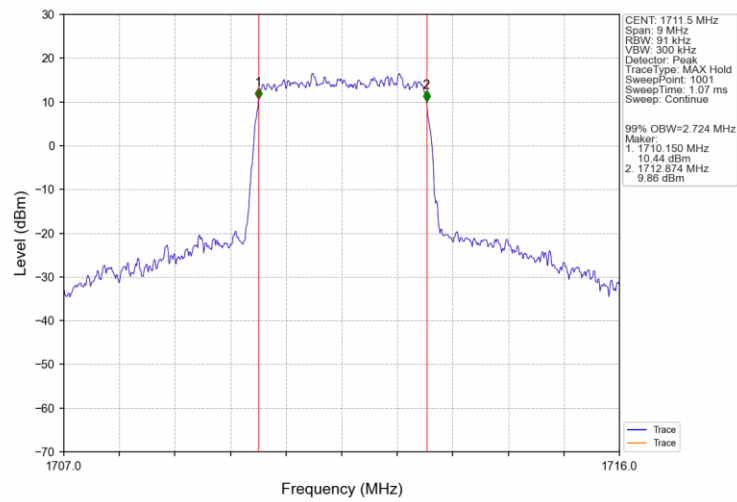
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



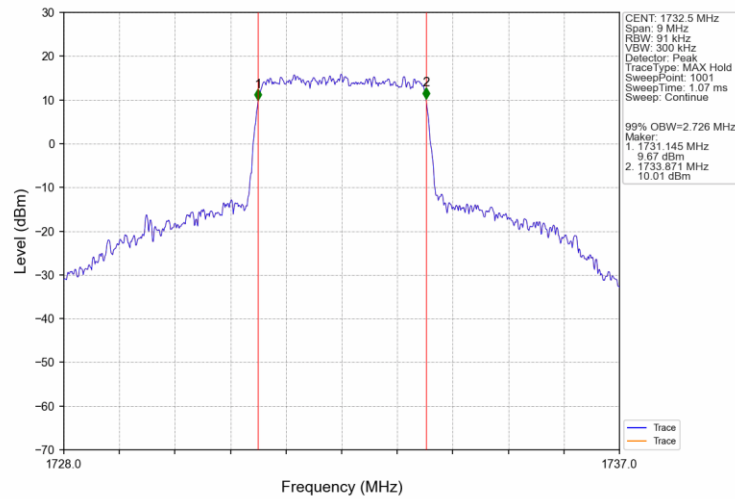
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



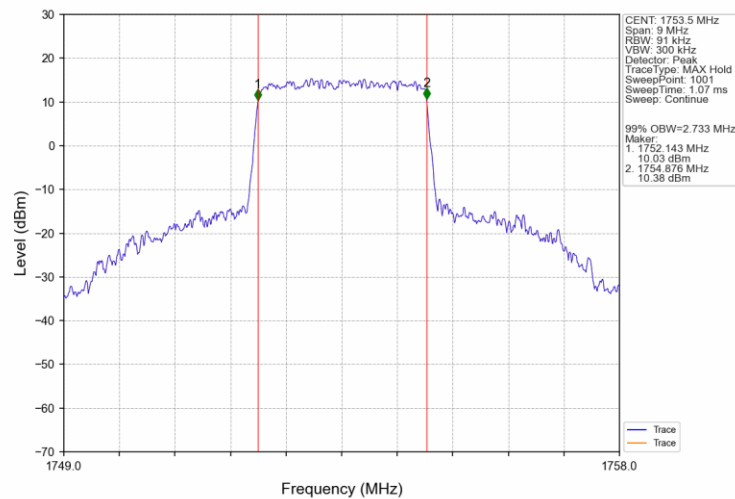
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



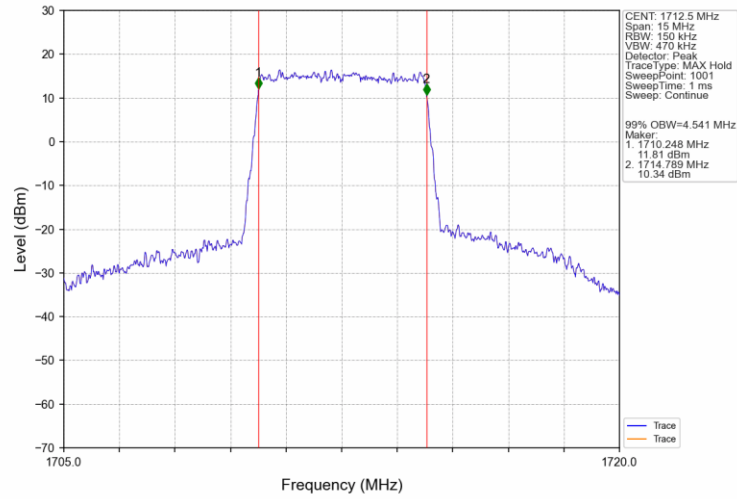
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



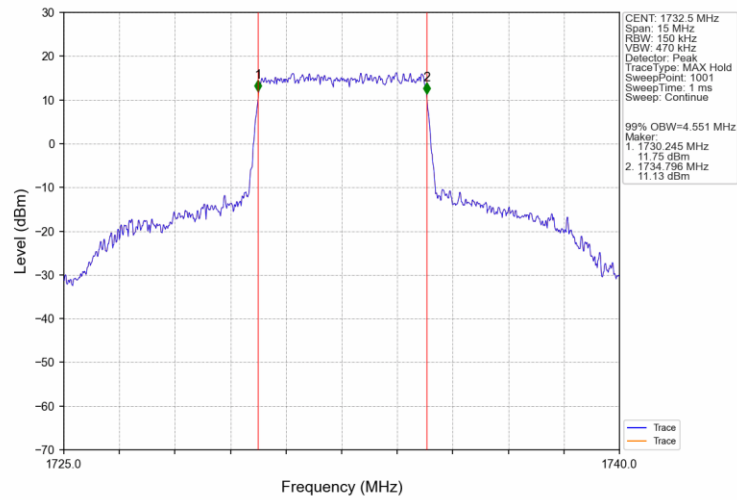
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



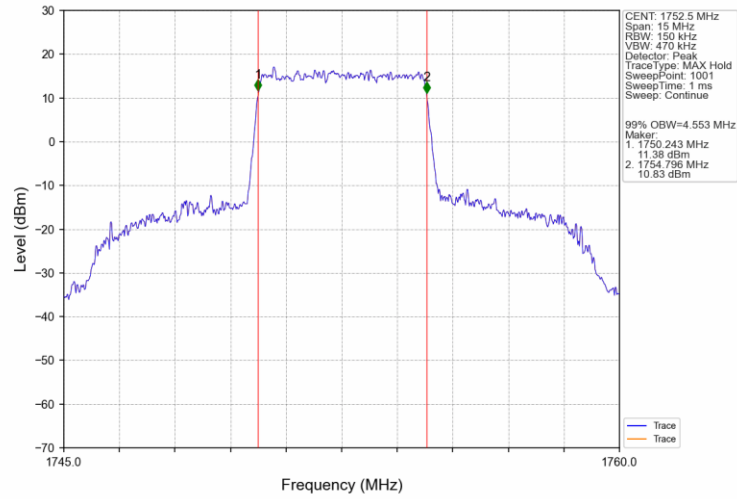
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



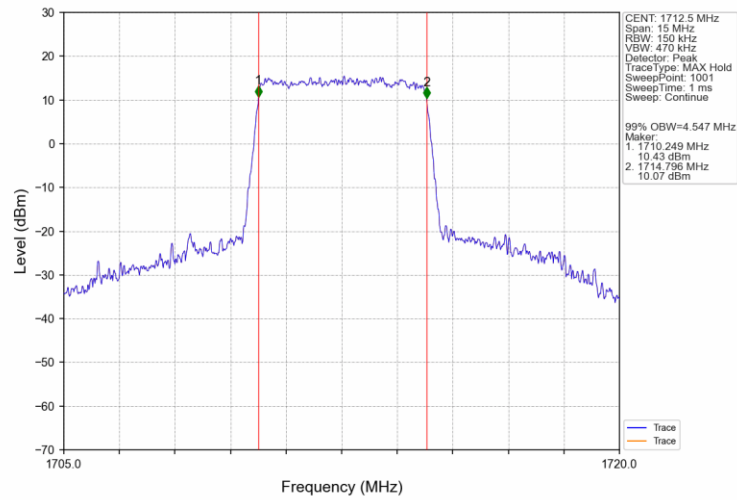
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



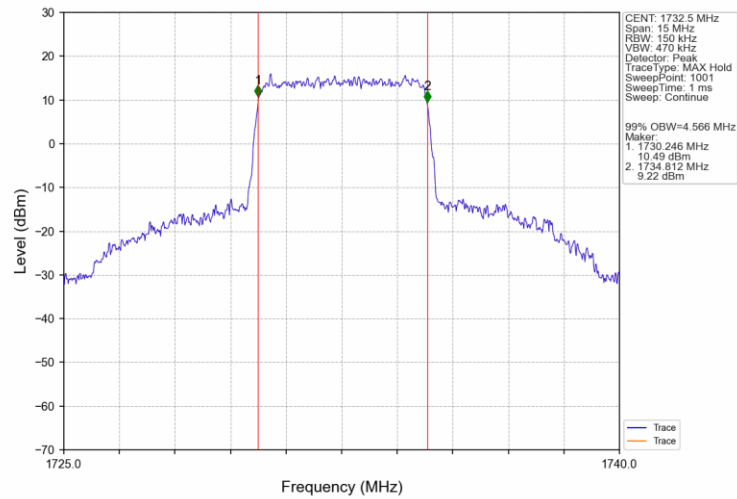
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



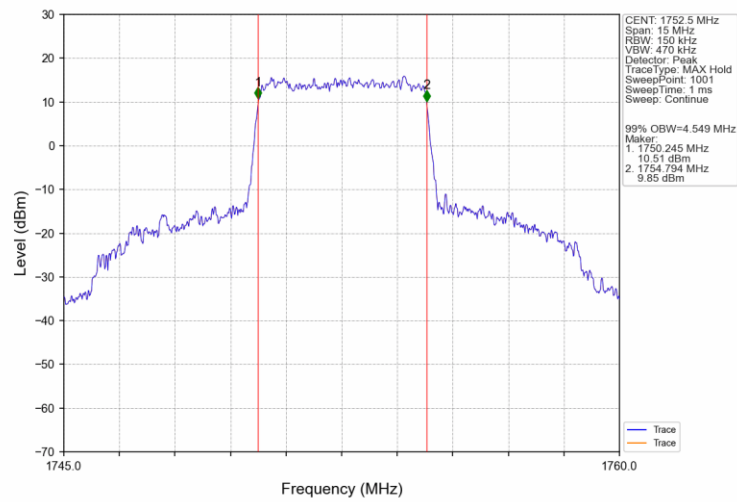
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



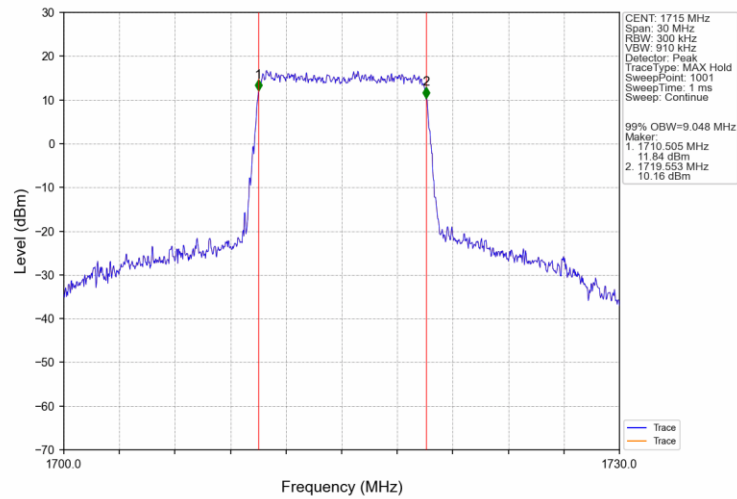
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



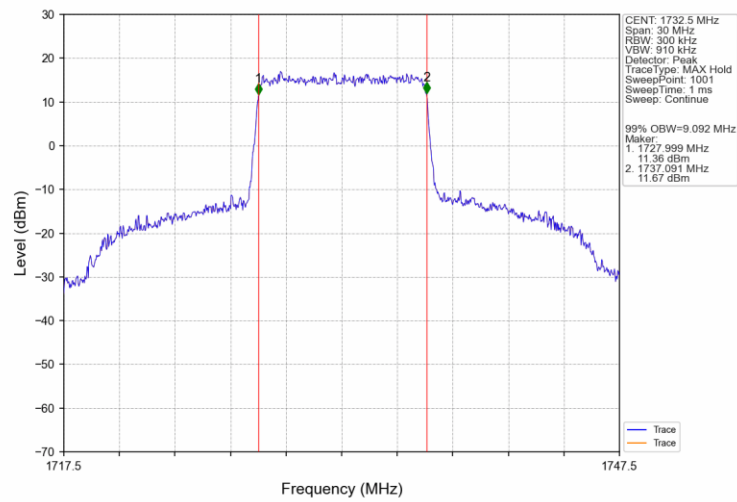
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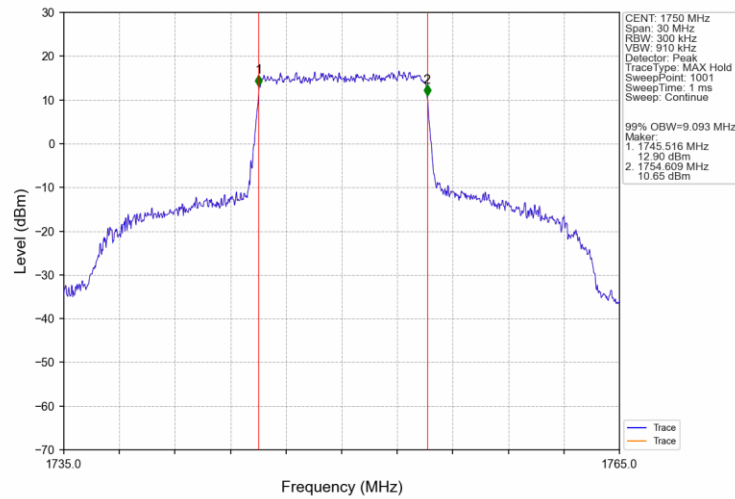
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



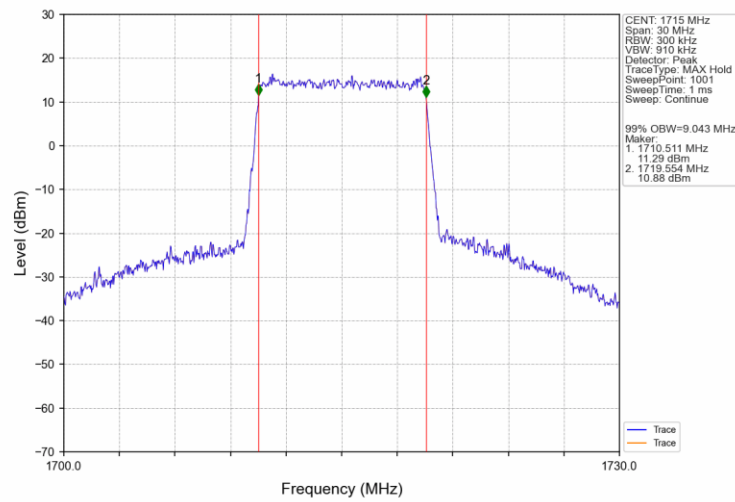
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



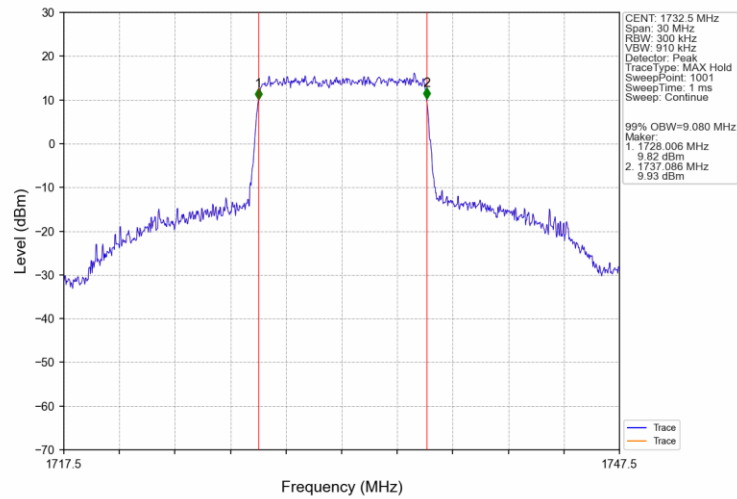
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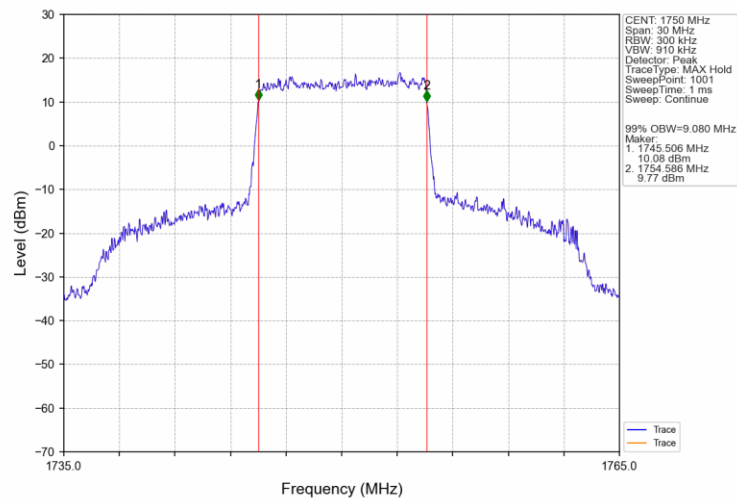
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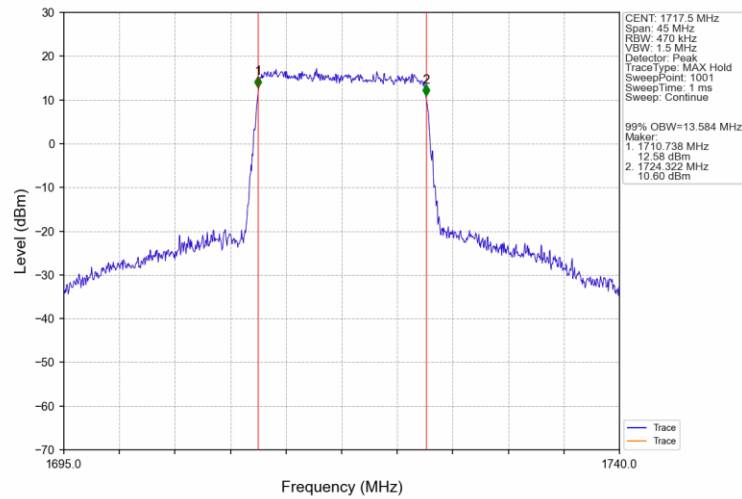
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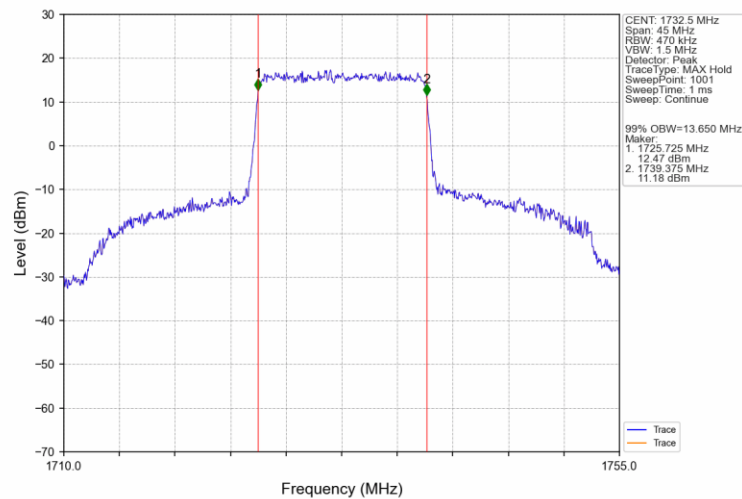
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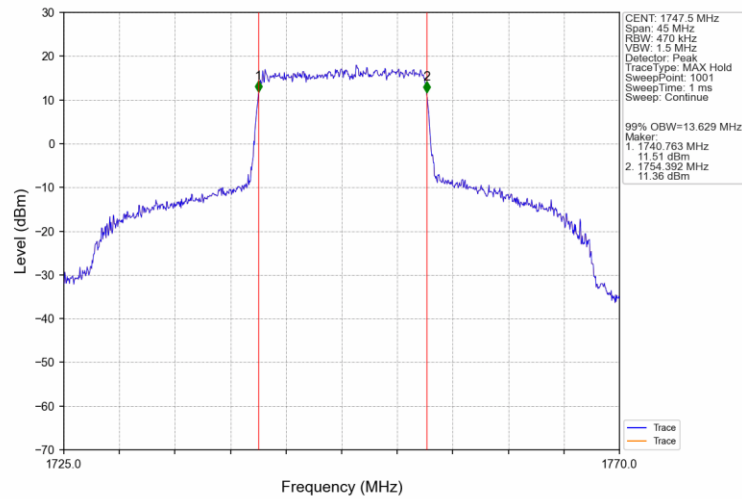
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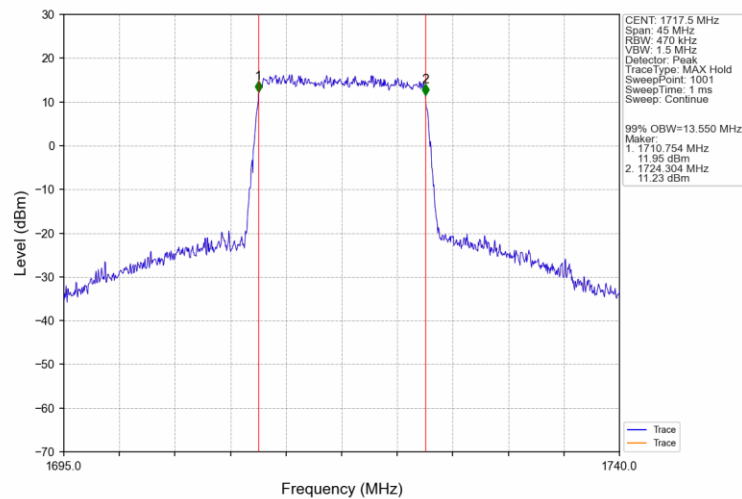
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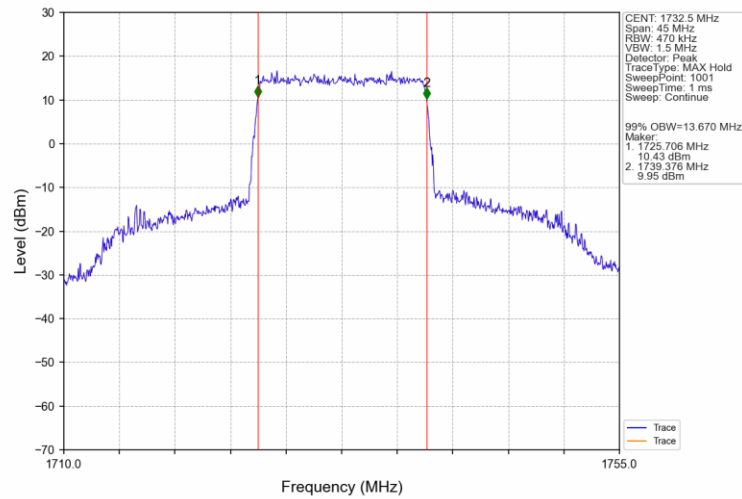
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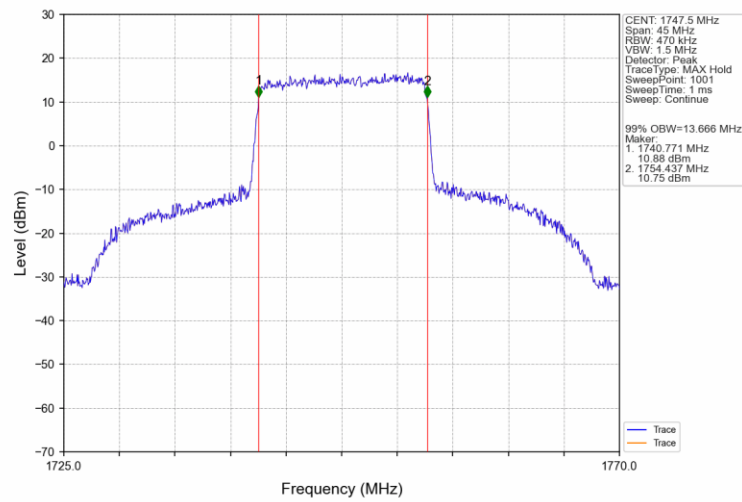
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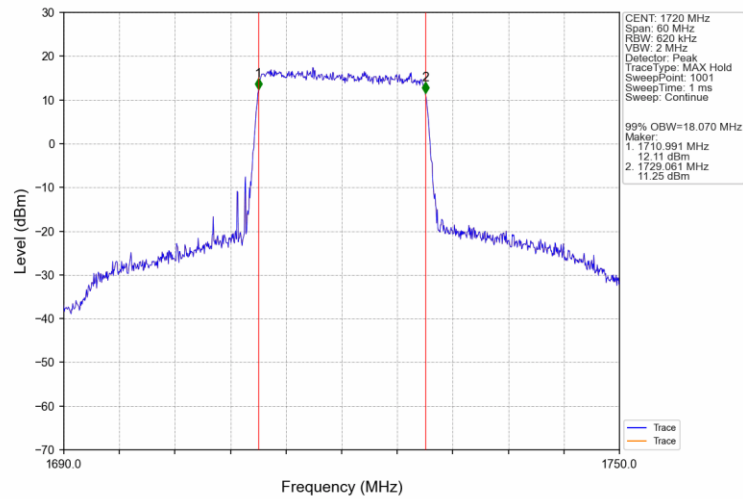
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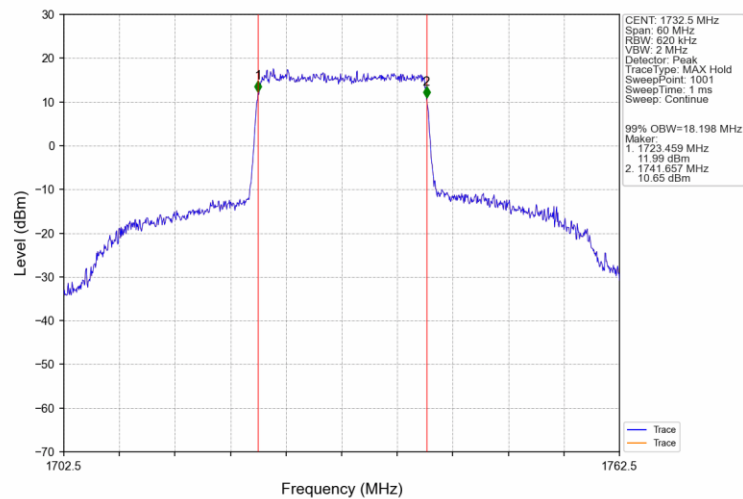
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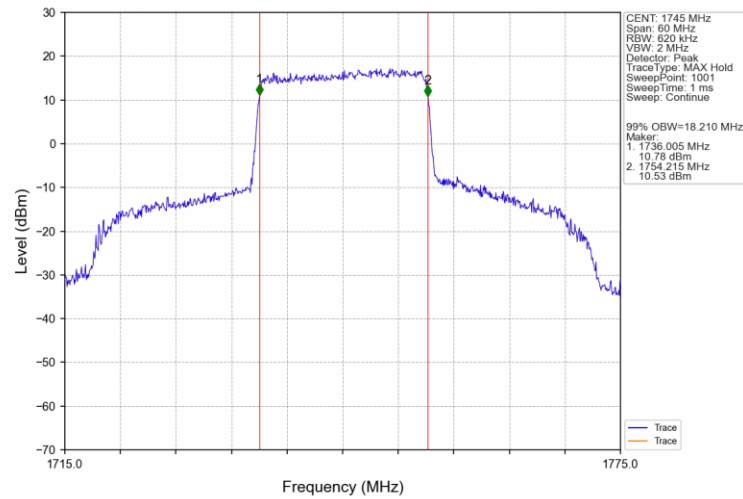
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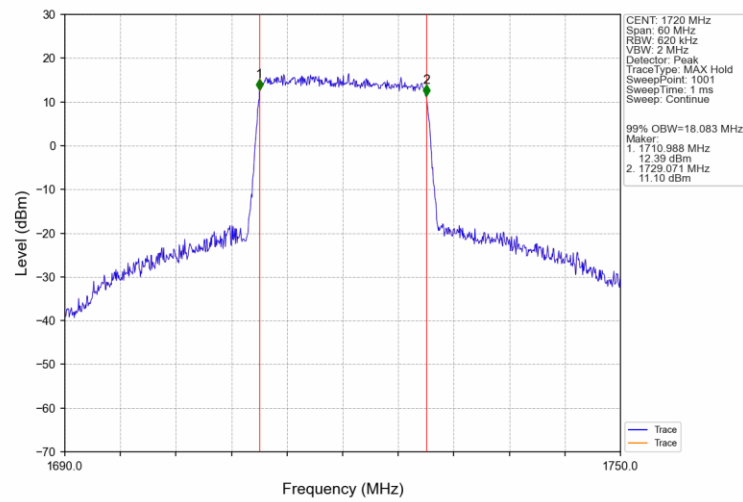
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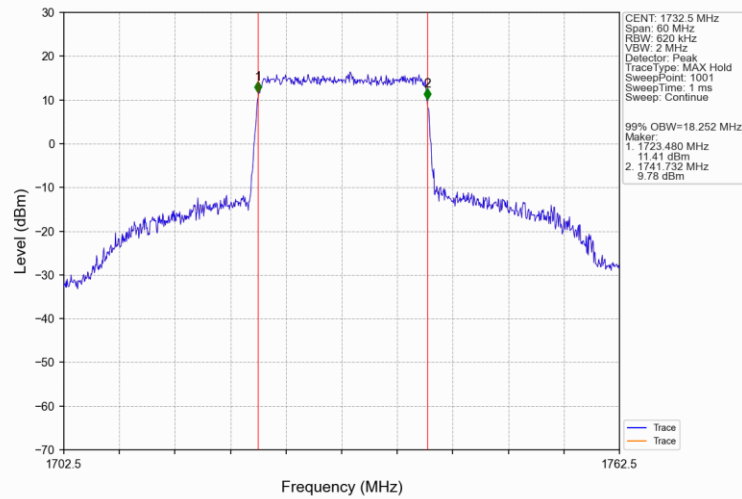
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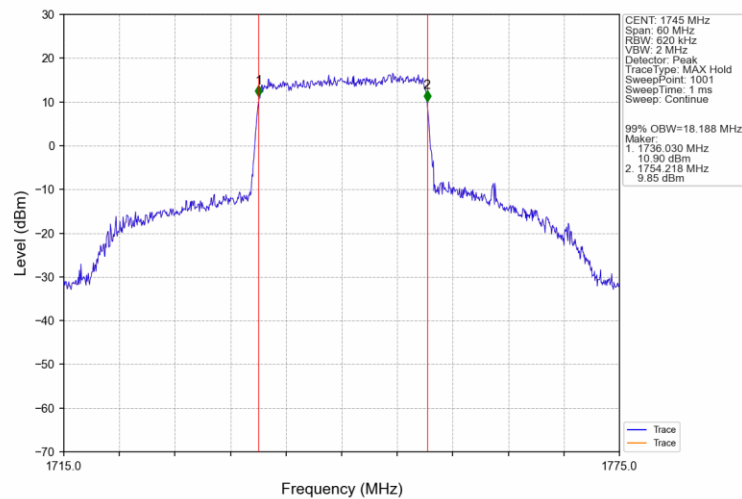
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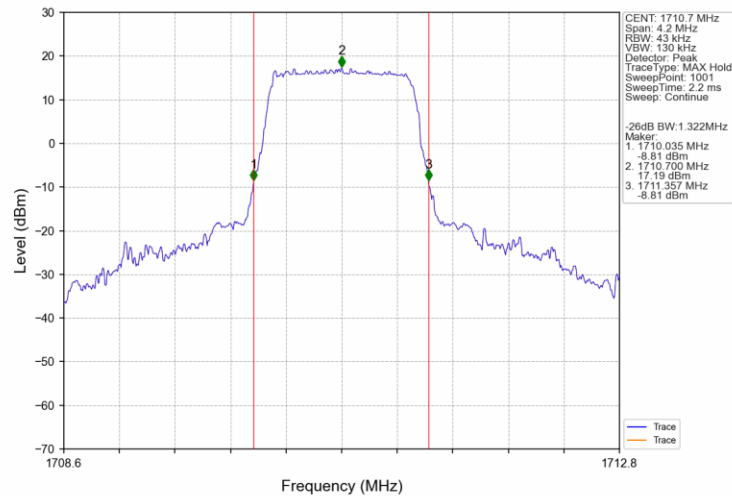


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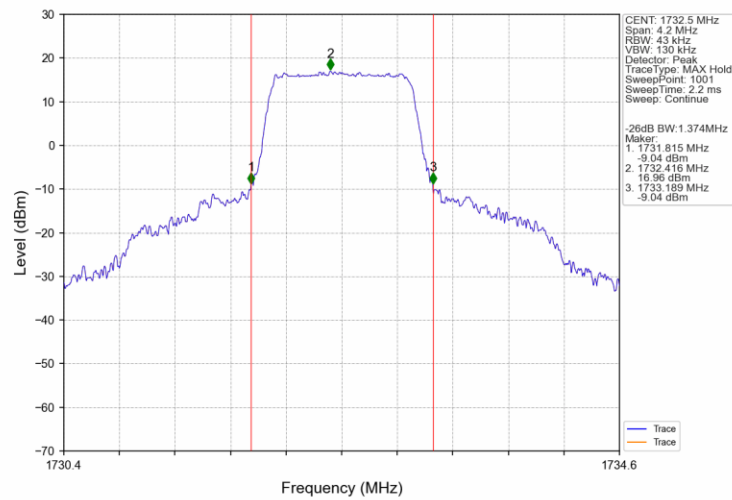


4.2.2 Band4_XDB

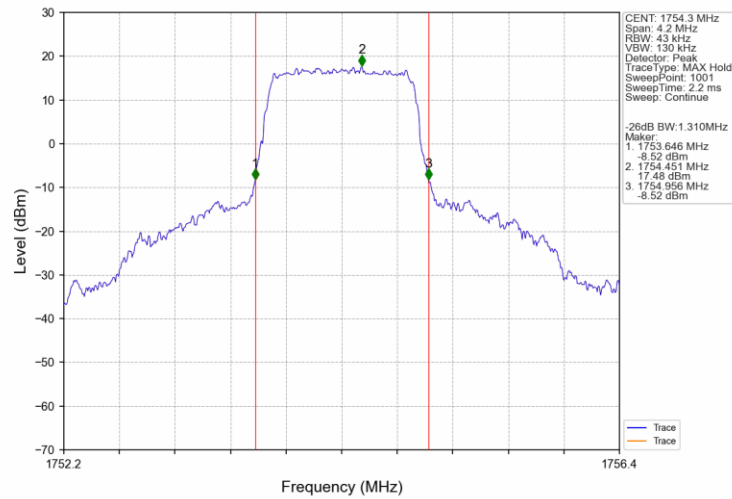
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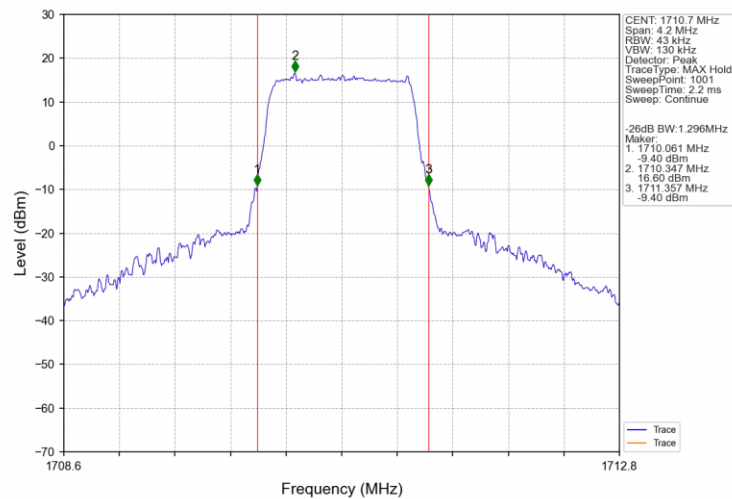
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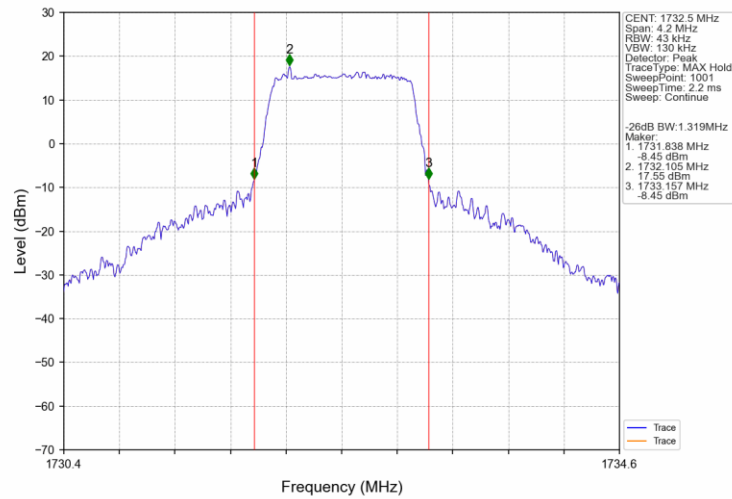
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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

