

Appendix Test Data for LTE_band_4

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	21.64	0.87	22.51	<=30	Pass
			2	21.65	0.87	22.52	<=30	Pass
			5	21.69	0.87	22.56	<=30	Pass
		3	0	22.19	0.87	23.06	<=30	Pass
			2	22.20	0.87	23.07	<=30	Pass
			3	22.20	0.87	23.07	<=30	Pass
		6	0	21.24	0.87	22.11	<=30	Pass
	1732.5	1	0	21.72	0.87	22.59	<=30	Pass
			2	21.72	0.87	22.59	<=30	Pass
			5	21.73	0.87	22.60	<=30	Pass
		3	0	22.35	0.87	23.22	<=30	Pass
			2	22.32	0.87	23.19	<=30	Pass
			3	22.32	0.87	23.19	<=30	Pass
		6	0	21.33	0.87	22.20	<=30	Pass
	1754.3	1	0	21.54	0.87	22.41	<=30	Pass
			2	21.60	0.87	22.47	<=30	Pass
			5	21.58	0.87	22.45	<=30	Pass
		3	0	22.12	0.87	22.99	<=30	Pass
			2	22.10	0.87	22.97	<=30	Pass
			3	22.11	0.87	22.98	<=30	Pass
		6	0	21.09	0.87	21.96	<=30	Pass
16QAM	1710.7	1	0	20.87	0.87	21.74	<=30	Pass
			2	20.88	0.87	21.75	<=30	Pass
			5	20.87	0.87	21.74	<=30	Pass
		3	0	21.18	0.87	22.05	<=30	Pass
			2	21.19	0.87	22.06	<=30	Pass
			3	21.18	0.87	22.05	<=30	Pass
		6	0	20.23	0.87	21.10	<=30	Pass
	1732.5	1	0	20.82	0.87	21.69	<=30	Pass
			2	20.80	0.87	21.67	<=30	Pass
			5	20.84	0.87	21.71	<=30	Pass
		3	0	21.47	0.87	22.34	<=30	Pass
			2	21.46	0.87	22.33	<=30	Pass
			3	21.47	0.87	22.34	<=30	Pass
		6	0	20.31	0.87	21.18	<=30	Pass
	1754.3	1	0	20.61	0.87	21.48	<=30	Pass
			2	20.62	0.87	21.49	<=30	Pass
			5	20.62	0.87	21.49	<=30	Pass
		3	0	21.15	0.87	22.02	<=30	Pass
			2	21.13	0.87	22.00	<=30	Pass
			3	21.12	0.87	21.99	<=30	Pass
		6	0	20.01	0.87	20.88	<=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	21.68	0.87	22.55	<=30	Pass
			7	21.67	0.87	22.54	<=30	Pass
			14	21.68	0.87	22.55	<=30	Pass
		8	0	21.17	0.87	22.04	<=30	Pass
			4	21.15	0.87	22.02	<=30	Pass
			7	21.19	0.87	22.06	<=30	Pass
		15	0	21.19	0.87	22.06	<=30	Pass
	1732.5	1	0	21.75	0.87	22.62	<=30	Pass
			7	21.73	0.87	22.60	<=30	Pass
			14	21.74	0.87	22.61	<=30	Pass
		8	0	21.30	0.87	22.17	<=30	Pass
			4	21.25	0.87	22.12	<=30	Pass
			7	21.24	0.87	22.11	<=30	Pass
		15	0	21.26	0.87	22.13	<=30	Pass
	1753.5	1	0	21.54	0.87	22.41	<=30	Pass
			7	21.53	0.87	22.40	<=30	Pass
			14	21.49	0.87	22.36	<=30	Pass
		8	0	21.03	0.87	21.90	<=30	Pass
			4	21.01	0.87	21.88	<=30	Pass
			7	21.00	0.87	21.87	<=30	Pass
		15	0	21.05	0.87	21.92	<=30	Pass
16QAM	1711.5	1	0	20.73	0.87	21.60	<=30	Pass
			7	20.76	0.87	21.63	<=30	Pass
			14	20.69	0.87	21.56	<=30	Pass
		8	0	20.24	0.87	21.11	<=30	Pass
			4	20.27	0.87	21.14	<=30	Pass
			7	20.25	0.87	21.12	<=30	Pass
		15	0	20.25	0.87	21.12	<=30	Pass
	1732.5	1	0	21.00	0.87	21.87	<=30	Pass
			7	20.97	0.87	21.84	<=30	Pass
			14	20.96	0.87	21.83	<=30	Pass
		8	0	20.27	0.87	21.14	<=30	Pass
			4	20.25	0.87	21.12	<=30	Pass
			7	20.21	0.87	21.08	<=30	Pass
		15	0	20.20	0.87	21.07	<=30	Pass
	1753.5	1	0	21.14	0.87	22.01	<=30	Pass
			7	21.11	0.87	21.98	<=30	Pass
			14	21.07	0.87	21.94	<=30	Pass
		8	0	20.20	0.87	21.07	<=30	Pass
			4	20.17	0.87	21.04	<=30	Pass
			7	20.18	0.87	21.05	<=30	Pass
		15	0	20.10	0.87	20.97	<=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	21.73	0.87	22.60	<=30	Pass
			13	21.67	0.87	22.54	<=30	Pass
			24	21.72	0.87	22.59	<=30	Pass
		12	0	21.18	0.87	22.05	<=30	Pass
			6	21.19	0.87	22.06	<=30	Pass
			13	21.19	0.87	22.06	<=30	Pass
		25	0	21.22	0.87	22.09	<=30	Pass
	1732.5	1	0	21.96	0.87	22.83	<=30	Pass
			13	21.92	0.87	22.79	<=30	Pass
			24	21.95	0.87	22.82	<=30	Pass
		12	0	21.29	0.87	22.16	<=30	Pass
			6	21.27	0.87	22.14	<=30	Pass
			13	21.24	0.87	22.11	<=30	Pass
		25	0	21.29	0.87	22.16	<=30	Pass
	1752.5	1	0	21.64	0.87	22.51	<=30	Pass
			13	21.56	0.87	22.43	<=30	Pass
			24	21.55	0.87	22.42	<=30	Pass
		12	0	21.00	0.87	21.87	<=30	Pass
			6	21.03	0.87	21.90	<=30	Pass
			13	21.01	0.87	21.88	<=30	Pass
		25	0	21.06	0.87	21.93	<=30	Pass
16QAM	1712.5	1	0	21.03	0.87	21.90	<=30	Pass
			13	20.91	0.87	21.78	<=30	Pass
			24	21.00	0.87	21.87	<=30	Pass
		12	0	20.21	0.87	21.08	<=30	Pass
			6	20.20	0.87	21.07	<=30	Pass
			13	20.20	0.87	21.07	<=30	Pass
		25	0	20.20	0.87	21.07	<=30	Pass
	1732.5	1	0	20.70	0.87	21.57	<=30	Pass
			13	20.62	0.87	21.49	<=30	Pass
			24	20.71	0.87	21.58	<=30	Pass
		12	0	20.33	0.87	21.20	<=30	Pass
			6	20.27	0.87	21.14	<=30	Pass
			13	20.24	0.87	21.11	<=30	Pass
		25	0	20.33	0.87	21.20	<=30	Pass
	1752.5	1	0	20.74	0.87	21.61	<=30	Pass
			13	20.63	0.87	21.50	<=30	Pass
			24	20.66	0.87	21.53	<=30	Pass
		12	0	19.99	0.87	20.86	<=30	Pass
			6	20.01	0.87	20.88	<=30	Pass
			13	19.99	0.87	20.86	<=30	Pass
		25	0	20.08	0.87	20.95	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	21.69	0.87	22.56	<=30	Pass
			25	21.66	0.87	22.53	<=30	Pass
			49	21.76	0.87	22.63	<=30	Pass
		25	0	21.13	0.87	22.00	<=30	Pass
			13	21.22	0.87	22.09	<=30	Pass
			25	21.32	0.87	22.19	<=30	Pass
		50	0	21.26	0.87	22.13	<=30	Pass
			0	21.72	0.87	22.59	<=30	Pass
			25	21.76	0.87	22.63	<=30	Pass
	1732.5	1	49	21.73	0.87	22.60	<=30	Pass
			0	21.28	0.87	22.15	<=30	Pass
			13	21.27	0.87	22.14	<=30	Pass
		25	25	21.22	0.87	22.09	<=30	Pass
			0	21.27	0.87	22.14	<=30	Pass
			0	21.57	0.87	22.44	<=30	Pass
		25	25	21.50	0.87	22.37	<=30	Pass
			49	21.51	0.87	22.38	<=30	Pass
			0	21.03	0.87	21.90	<=30	Pass
	1750	25	13	21.02	0.87	21.89	<=30	Pass
			25	21.08	0.87	21.95	<=30	Pass
			0	21.08	0.87	21.95	<=30	Pass
16QAM	1715	1	0	20.72	0.87	21.59	<=30	Pass
			25	20.67	0.87	21.54	<=30	Pass
			49	20.78	0.87	21.65	<=30	Pass
		25	0	20.23	0.87	21.10	<=30	Pass
			13	20.29	0.87	21.16	<=30	Pass
			25	20.41	0.87	21.28	<=30	Pass
		50	0	20.25	0.87	21.12	<=30	Pass
			0	20.96	0.87	21.83	<=30	Pass
			25	20.97	0.87	21.84	<=30	Pass
	1732.5	1	49	20.95	0.87	21.82	<=30	Pass
			0	20.31	0.87	21.18	<=30	Pass
			13	20.30	0.87	21.17	<=30	Pass
		25	25	20.20	0.87	21.07	<=30	Pass
			0	20.25	0.87	21.12	<=30	Pass
			0	21.16	0.87	22.03	<=30	Pass
		25	25	21.07	0.87	21.94	<=30	Pass
			49	21.09	0.87	21.96	<=30	Pass
			0	20.09	0.87	20.96	<=30	Pass
	1750	25	13	20.09	0.87	20.96	<=30	Pass
			25	20.16	0.87	21.03	<=30	Pass
			0	20.11	0.87	20.98	<=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	21.52	0.87	22.39	<=30	Pass
			38	21.58	0.87	22.45	<=30	Pass
			74	21.59	0.87	22.46	<=30	Pass
		36	0	21.04	0.87	21.91	<=30	Pass
			18	21.14	0.87	22.01	<=30	Pass
			39	21.28	0.87	22.15	<=30	Pass
		75	0	21.19	0.87	22.06	<=30	Pass
	1732.5	1	0	21.60	0.87	22.47	<=30	Pass
			38	21.69	0.87	22.56	<=30	Pass
			74	21.63	0.87	22.50	<=30	Pass
		36	0	21.22	0.87	22.09	<=30	Pass
			18	21.21	0.87	22.08	<=30	Pass
			39	21.16	0.87	22.03	<=30	Pass
		75	0	21.19	0.87	22.06	<=30	Pass
	1747.5	1	0	21.57	0.87	22.44	<=30	Pass
			38	21.59	0.87	22.46	<=30	Pass
			74	21.42	0.87	22.29	<=30	Pass
		36	0	21.10	0.87	21.97	<=30	Pass
			18	21.04	0.87	21.91	<=30	Pass
			39	21.09	0.87	21.96	<=30	Pass
		75	0	21.12	0.87	21.99	<=30	Pass
16QAM	1717.5	1	0	20.98	0.87	21.85	<=30	Pass
			38	21.01	0.87	21.88	<=30	Pass
			74	21.08	0.87	21.95	<=30	Pass
		36	0	20.06	0.87	20.93	<=30	Pass
			18	20.11	0.87	20.98	<=30	Pass
			39	20.26	0.87	21.13	<=30	Pass
		75	0	20.18	0.87	21.05	<=30	Pass
	1732.5	1	0	20.84	0.87	21.71	<=30	Pass
			38	20.92	0.87	21.79	<=30	Pass
			74	20.85	0.87	21.72	<=30	Pass
		36	0	20.24	0.87	21.11	<=30	Pass
			18	20.27	0.87	21.14	<=30	Pass
			39	20.18	0.87	21.05	<=30	Pass
		75	0	20.22	0.87	21.09	<=30	Pass
	1747.5	1	0	21.17	0.87	22.04	<=30	Pass
			38	21.20	0.87	22.07	<=30	Pass
			74	21.01	0.87	21.88	<=30	Pass
		36	0	20.11	0.87	20.98	<=30	Pass
			18	20.10	0.87	20.97	<=30	Pass
			39	20.10	0.87	20.97	<=30	Pass
		75	0	20.11	0.87	20.98	<=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	21.55	0.87	22.42	<=30	Pass
			50	21.64	0.87	22.51	<=30	Pass
			99	21.66	0.87	22.53	<=30	Pass
		50	0	21.02	0.87	21.89	<=30	Pass
			25	21.23	0.87	22.10	<=30	Pass
			50	21.40	0.87	22.27	<=30	Pass
		100	0	21.23	0.87	22.10	<=30	Pass
	1732.5	1	0	21.66	0.87	22.53	<=30	Pass
			50	21.77	0.87	22.64	<=30	Pass
			99	21.61	0.87	22.48	<=30	Pass
		50	0	21.19	0.87	22.06	<=30	Pass
			25	21.27	0.87	22.14	<=30	Pass
			50	21.15	0.87	22.02	<=30	Pass
		100	0	21.15	0.87	22.02	<=30	Pass
	1745	1	0	21.69	0.87	22.56	<=30	Pass
			50	21.66	0.87	22.53	<=30	Pass
			99	21.48	0.87	22.35	<=30	Pass
		50	0	21.20	0.87	22.07	<=30	Pass
			25	21.16	0.87	22.03	<=30	Pass
			50	21.16	0.87	22.03	<=30	Pass
		100	0	21.17	0.87	22.04	<=30	Pass
16QAM	1720	1	0	21.16	0.87	22.03	<=30	Pass
			50	21.25	0.87	22.12	<=30	Pass
			99	21.32	0.87	22.19	<=30	Pass
		50	0	19.98	0.87	20.85	<=30	Pass
			25	20.22	0.87	21.09	<=30	Pass
			50	20.38	0.87	21.25	<=30	Pass
		100	0	20.23	0.87	21.10	<=30	Pass
	1732.5	1	0	20.90	0.87	21.77	<=30	Pass
			50	21.00	0.87	21.87	<=30	Pass
			99	20.83	0.87	21.70	<=30	Pass
		50	0	20.16	0.87	21.03	<=30	Pass
			25	20.24	0.87	21.11	<=30	Pass
			50	20.15	0.87	21.02	<=30	Pass
		100	0	20.16	0.87	21.03	<=30	Pass
	1745	1	0	21.00	0.87	21.87	<=30	Pass
			50	20.95	0.87	21.82	<=30	Pass
			99	20.75	0.87	21.62	<=30	Pass
		50	0	20.18	0.87	21.05	<=30	Pass
			25	20.14	0.87	21.01	<=30	Pass
			50	20.12	0.87	20.99	<=30	Pass
		100	0	20.16	0.87	21.03	<=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	3.15	1.473	0.0009	-2.5 to 2.5	Pass
					3.80	-4.778	-0.0028	-2.5 to 2.5	Pass
					4.26	6.909	0.0040	-2.5 to 2.5	Pass
				-30	3.80	12.474	0.0073	-2.5 to 2.5	Pass
				-20	3.80	5.350	0.0031	-2.5 to 2.5	Pass
				-10	3.80	3.119	0.0018	-2.5 to 2.5	Pass
				0	3.80	3.791	0.0022	-2.5 to 2.5	Pass
				10	3.80	-1.516	-0.0009	-2.5 to 2.5	Pass
				30	3.80	13.404	0.0078	-2.5 to 2.5	Pass
				40	3.80	8.869	0.0052	-2.5 to 2.5	Pass
				50	3.80	-0.458	-0.0003	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.15	5.851	0.0034	-2.5 to 2.5	Pass
					3.80	13.175	0.0076	-2.5 to 2.5	Pass
					4.26	-4.349	-0.0025	-2.5 to 2.5	Pass
				-30	3.80	1.702	0.0010	-2.5 to 2.5	Pass
				-20	3.80	7.696	0.0044	-2.5 to 2.5	Pass
				-10	3.80	-2.589	-0.0015	-2.5 to 2.5	Pass
				0	3.80	-4.163	-0.0024	-2.5 to 2.5	Pass
				10	3.80	12.159	0.0070	-2.5 to 2.5	Pass
				30	3.80	8.998	0.0052	-2.5 to 2.5	Pass
				40	3.80	-5.679	-0.0033	-2.5 to 2.5	Pass
				50	3.80	10.772	0.0062	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.15	-3.448	-0.0020	-2.5 to 2.5	Pass
					3.80	6.194	0.0035	-2.5 to 2.5	Pass
					4.26	0.558	0.0003	-2.5 to 2.5	Pass
				-30	3.80	2.732	0.0016	-2.5 to 2.5	Pass
				-20	3.80	-10.085	-0.0057	-2.5 to 2.5	Pass
				-10	3.80	-7.067	-0.0040	-2.5 to 2.5	Pass
				0	3.80	7.782	0.0044	-2.5 to 2.5	Pass
				10	3.80	-2.046	-0.0012	-2.5 to 2.5	Pass
				30	3.80	-2.060	-0.0012	-2.5 to 2.5	Pass
				40	3.80	-9.613	-0.0055	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.15	0.515	0.0003	-2.5 to 2.5	Pass
					3.80	-0.272	-0.0002	-2.5 to 2.5	Pass
					4.26	5.522	0.0032	-2.5 to 2.5	Pass
				-30	3.80	11.230	0.0066	-2.5 to 2.5	Pass
				-20	3.80	9.799	0.0057	-2.5 to 2.5	Pass
				-10	3.80	-7.067	-0.0041	-2.5 to 2.5	Pass
				0	3.80	4.835	0.0028	-2.5 to 2.5	Pass
				10	3.80	-1.616	-0.0009	-2.5 to 2.5	Pass
				30	3.80	2.031	0.0012	-2.5 to 2.5	Pass
				40	3.80	2.561	0.0015	-2.5 to 2.5	Pass
				50	3.80	-5.093	-0.0030	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.80	-3.376	-0.0020	-2.5 to 2.5	Pass
					3.15	8.912	0.0051	-2.5 to 2.5	Pass
					4.26	-0.801	-0.0005	-2.5 to 2.5	Pass
				-30	3.80	-2.990	-0.0017	-2.5 to 2.5	Pass
				-20	3.80	-2.475	-0.0014	-2.5 to 2.5	Pass
				-10	3.80	-6.981	-0.0040	-2.5 to 2.5	Pass
				0	3.80	8.354	0.0048	-2.5 to 2.5	Pass

				0	3.80	-1.259	-0.0007	-2.5 to 2.5	Pass
				10	3.80	4.663	0.0027	-2.5 to 2.5	Pass
				30	3.80	5.894	0.0034	-2.5 to 2.5	Pass
				40	3.80	7.439	0.0043	-2.5 to 2.5	Pass
				50	3.80	5.736	0.0033	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.15	4.706	0.0027	-2.5 to 2.5	Pass
					3.80	-3.819	-0.0022	-2.5 to 2.5	Pass
					4.26	-8.368	-0.0048	-2.5 to 2.5	Pass
				-30	3.80	8.383	0.0048	-2.5 to 2.5	Pass
				-20	3.80	2.975	0.0017	-2.5 to 2.5	Pass
				-10	3.80	9.699	0.0055	-2.5 to 2.5	Pass
				0	3.80	2.518	0.0014	-2.5 to 2.5	Pass
				10	3.80	-7.310	-0.0042	-2.5 to 2.5	Pass
				30	3.80	1.817	0.0010	-2.5 to 2.5	Pass
				40	3.80	-9.913	-0.0057	-2.5 to 2.5	Pass
				50	3.80	1.030	0.0006	-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	3.15	-1.531	-0.0009	-2.5 to 2.5	Pass
					3.80	-4.134	-0.0024	-2.5 to 2.5	Pass
					4.26	-8.225	-0.0048	-2.5 to 2.5	Pass
				-30	3.80	-0.243	-0.0001	-2.5 to 2.5	Pass
				-20	3.80	5.450	0.0032	-2.5 to 2.5	Pass
				-10	3.80	1.130	0.0007	-2.5 to 2.5	Pass
				0	3.80	1.559	0.0009	-2.5 to 2.5	Pass
				10	3.80	3.304	0.0019	-2.5 to 2.5	Pass
				30	3.80	6.623	0.0039	-2.5 to 2.5	Pass
				40	3.80	4.435	0.0026	-2.5 to 2.5	Pass
	1732.5	15	0	50	3.80	-0.186	-0.0001	-2.5 to 2.5	Pass
				20	3.15	-0.458	-0.0003	-2.5 to 2.5	Pass
					3.80	6.781	0.0039	-2.5 to 2.5	Pass
					4.26	0.973	0.0006	-2.5 to 2.5	Pass
				-30	3.80	-6.223	-0.0036	-2.5 to 2.5	Pass
				-20	3.80	5.708	0.0033	-2.5 to 2.5	Pass
				-10	3.80	1.473	0.0009	-2.5 to 2.5	Pass
				0	3.80	-1.974	-0.0011	-2.5 to 2.5	Pass
				10	3.80	-0.801	-0.0005	-2.5 to 2.5	Pass
				30	3.80	-0.114	-0.0001	-2.5 to 2.5	Pass
	1753.5	15	0	40	3.80	0.744	0.0004	-2.5 to 2.5	Pass
				50	3.80	3.448	0.0020	-2.5 to 2.5	Pass
				20	3.15	6.709	0.0038	-2.5 to 2.5	Pass
					3.80	3.819	0.0022	-2.5 to 2.5	Pass
					4.26	5.493	0.0031	-2.5 to 2.5	Pass
				-30	3.80	-4.377	-0.0025	-2.5 to 2.5	Pass
				-20	3.80	1.373	0.0008	-2.5 to 2.5	Pass
				-10	3.80	0.515	0.0003	-2.5 to 2.5	Pass
				0	3.80	9.770	0.0056	-2.5 to 2.5	Pass
				10	3.80	-4.663	-0.0027	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.80	9.384	0.0055	-2.5 to 2.5	Pass
					4.26	4.263	0.0025	-2.5 to 2.5	Pass
					3.15	5.536	0.0032	-2.5 to 2.5	Pass
				50	3.80	10.171	0.0058	-2.5 to 2.5	Pass

				-30	3.80	-0.572	-0.0003	-2.5 to 2.5	Pass
				-20	3.80	4.663	0.0027	-2.5 to 2.5	Pass
				-10	3.80	1.216	0.0007	-2.5 to 2.5	Pass
				0	3.80	2.718	0.0016	-2.5 to 2.5	Pass
				10	3.80	2.875	0.0017	-2.5 to 2.5	Pass
				30	3.80	-0.629	-0.0004	-2.5 to 2.5	Pass
				40	3.80	7.253	0.0042	-2.5 to 2.5	Pass
				50	3.80	0.157	0.0001	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.15	4.907	0.0028	-2.5 to 2.5	Pass
					3.80	6.080	0.0035	-2.5 to 2.5	Pass
					4.26	9.499	0.0055	-2.5 to 2.5	Pass
				-30	3.80	-4.406	-0.0025	-2.5 to 2.5	Pass
				-20	3.80	4.692	0.0027	-2.5 to 2.5	Pass
				-10	3.80	7.911	0.0046	-2.5 to 2.5	Pass
				0	3.80	9.842	0.0057	-2.5 to 2.5	Pass
				10	3.80	2.403	0.0014	-2.5 to 2.5	Pass
				30	3.80	-0.272	-0.0002	-2.5 to 2.5	Pass
				40	3.80	1.216	0.0007	-2.5 to 2.5	Pass
				50	3.80	10.214	0.0059	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.15	-4.449	-0.0025	-2.5 to 2.5	Pass
					3.80	4.950	0.0028	-2.5 to 2.5	Pass
					4.26	0.658	0.0004	-2.5 to 2.5	Pass
				-30	3.80	-3.161	-0.0018	-2.5 to 2.5	Pass
				-20	3.80	4.706	0.0027	-2.5 to 2.5	Pass
				-10	3.80	5.994	0.0034	-2.5 to 2.5	Pass
				0	3.80	5.007	0.0029	-2.5 to 2.5	Pass
				10	3.80	-2.332	-0.0013	-2.5 to 2.5	Pass
				30	3.80	0.801	0.0005	-2.5 to 2.5	Pass
				40	3.80	1.245	0.0007	-2.5 to 2.5	Pass
				50	3.80	5.636	0.0032	-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	3.15	6.037	0.0035	-2.5 to 2.5	Pass
					3.80	0.658	0.0004	-2.5 to 2.5	Pass
					4.26	0.715	0.0004	-2.5 to 2.5	Pass
				-30	3.80	-0.801	-0.0005	-2.5 to 2.5	Pass
				-20	3.80	5.450	0.0032	-2.5 to 2.5	Pass
				-10	3.80	5.922	0.0035	-2.5 to 2.5	Pass
				0	3.80	9.427	0.0055	-2.5 to 2.5	Pass
				10	3.80	2.975	0.0017	-2.5 to 2.5	Pass
				30	3.80	2.918	0.0017	-2.5 to 2.5	Pass
				40	3.80	5.164	0.0030	-2.5 to 2.5	Pass
				50	3.80	2.403	0.0014	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.15	5.565	0.0032	-2.5 to 2.5	Pass
					3.80	2.017	0.0012	-2.5 to 2.5	Pass
					4.26	6.866	0.0040	-2.5 to 2.5	Pass
				-30	3.80	3.276	0.0019	-2.5 to 2.5	Pass
				-20	3.80	3.376	0.0019	-2.5 to 2.5	Pass
				-10	3.80	3.662	0.0021	-2.5 to 2.5	Pass
				0	3.80	1.459	0.0008	-2.5 to 2.5	Pass
				10	3.80	2.217	0.0013	-2.5 to 2.5	Pass
				30	3.80	1.574	0.0009	-2.5 to 2.5	Pass
				40	3.80	1.988	0.0011	-2.5 to 2.5	Pass
				50	3.80	5.465	0.0032	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.15	8.354	0.0048	-2.5 to 2.5	Pass
					3.80	-0.887	-0.0005	-2.5 to 2.5	Pass
					4.26	7.153	0.0041	-2.5 to 2.5	Pass
				-30	3.80	3.290	0.0019	-2.5 to 2.5	Pass
				-20	3.80	-1.431	-0.0008	-2.5 to 2.5	Pass
				-10	3.80	3.862	0.0022	-2.5 to 2.5	Pass
				0	3.80	-2.031	-0.0012	-2.5 to 2.5	Pass
				10	3.80	0.043	0.0000	-2.5 to 2.5	Pass
				30	3.80	-6.452	-0.0037	-2.5 to 2.5	Pass
				40	3.80	4.849	0.0028	-2.5 to 2.5	Pass
				50	3.80	-4.692	-0.0027	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.15	-2.961	-0.0017	-2.5 to 2.5	Pass
					3.80	3.018	0.0018	-2.5 to 2.5	Pass
					4.26	1.187	0.0007	-2.5 to 2.5	Pass
				-30	3.80	1.574	0.0009	-2.5 to 2.5	Pass
				-20	3.80	-2.875	-0.0017	-2.5 to 2.5	Pass
				-10	3.80	6.137	0.0036	-2.5 to 2.5	Pass
				0	3.80	4.020	0.0023	-2.5 to 2.5	Pass
				10	3.80	0.329	0.0002	-2.5 to 2.5	Pass
				30	3.80	3.047	0.0018	-2.5 to 2.5	Pass
				40	3.80	6.394	0.0037	-2.5 to 2.5	Pass
				50	3.80	1.516	0.0009	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.15	-0.958	-0.0006	-2.5 to 2.5	Pass
					3.80	-1.402	-0.0008	-2.5 to 2.5	Pass
					4.26	0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.80	3.648	0.0021	-2.5 to 2.5	Pass
				-20	3.80	4.735	0.0027	-2.5 to 2.5	Pass
				-10	3.80	-0.558	-0.0003	-2.5 to 2.5	Pass
				0	3.80	1.316	0.0008	-2.5 to 2.5	Pass
				10	3.80	2.060	0.0012	-2.5 to 2.5	Pass
				30	3.80	4.334	0.0025	-2.5 to 2.5	Pass
				40	3.80	4.420	0.0026	-2.5 to 2.5	Pass
				50	3.80	5.593	0.0032	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.15	8.855	0.0051	-2.5 to 2.5	Pass
					3.80	2.131	0.0012	-2.5 to 2.5	Pass
					4.26	4.206	0.0024	-2.5 to 2.5	Pass
				-30	3.80	7.925	0.0045	-2.5 to 2.5	Pass
				-20	3.80	-3.405	-0.0019	-2.5 to 2.5	Pass
				-10	3.80	-0.801	-0.0005	-2.5 to 2.5	Pass
				0	3.80	1.860	0.0011	-2.5 to 2.5	Pass
				10	3.80	0.944	0.0005	-2.5 to 2.5	Pass
				30	3.80	-5.679	-0.0032	-2.5 to 2.5	Pass
				40	3.80	-1.144	-0.0007	-2.5 to 2.5	Pass
				50	3.80	-0.629	-0.0004	-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	3.15	1.945	0.0011	-2.5 to 2.5	Pass
					3.80	2.761	0.0016	-2.5 to 2.5	Pass
					4.26	4.592	0.0027	-2.5 to 2.5	Pass
				-30	3.80	3.262	0.0019	-2.5 to 2.5	Pass
				-20	3.80	4.592	0.0027	-2.5 to 2.5	Pass
				-10	3.80	4.463	0.0026	-2.5 to 2.5	Pass
				0	3.80	2.289	0.0013	-2.5 to 2.5	Pass
				10	3.80	6.223	0.0036	-2.5 to 2.5	Pass

				30	3.80	3.891	0.0023	-2.5 to 2.5	Pass
				40	3.80	5.665	0.0033	-2.5 to 2.5	Pass
				50	3.80	4.292	0.0025	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.15	-1.731	-0.0010	-2.5 to 2.5	Pass
					3.80	-0.701	-0.0004	-2.5 to 2.5	Pass
					4.26	-0.901	-0.0005	-2.5 to 2.5	Pass
				-30	3.80	-2.732	-0.0016	-2.5 to 2.5	Pass
				-20	3.80	-1.760	-0.0010	-2.5 to 2.5	Pass
				-10	3.80	-4.106	-0.0024	-2.5 to 2.5	Pass
				0	3.80	-0.429	-0.0002	-2.5 to 2.5	Pass
				10	3.80	0.329	0.0002	-2.5 to 2.5	Pass
				30	3.80	-2.160	-0.0012	-2.5 to 2.5	Pass
				40	3.80	0.644	0.0004	-2.5 to 2.5	Pass
				50	3.80	-2.346	-0.0014	-2.5 to 2.5	Pass
	1750	50	0	20	3.15	1.945	0.0011	-2.5 to 2.5	Pass
					3.80	4.807	0.0027	-2.5 to 2.5	Pass
					4.26	1.802	0.0010	-2.5 to 2.5	Pass
				-30	3.80	4.377	0.0025	-2.5 to 2.5	Pass
				-20	3.80	4.849	0.0028	-2.5 to 2.5	Pass
				-10	3.80	4.792	0.0027	-2.5 to 2.5	Pass
				0	3.80	6.237	0.0036	-2.5 to 2.5	Pass
				10	3.80	0.973	0.0006	-2.5 to 2.5	Pass
				30	3.80	0.815	0.0005	-2.5 to 2.5	Pass
				40	3.80	-0.587	-0.0003	-2.5 to 2.5	Pass
				50	3.80	7.224	0.0041	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.15	2.775	0.0016	-2.5 to 2.5	Pass
					3.80	7.181	0.0042	-2.5 to 2.5	Pass
					4.26	5.479	0.0032	-2.5 to 2.5	Pass
				-30	3.80	1.960	0.0011	-2.5 to 2.5	Pass
				-20	3.80	3.734	0.0022	-2.5 to 2.5	Pass
				-10	3.80	4.163	0.0024	-2.5 to 2.5	Pass
				0	3.80	7.110	0.0041	-2.5 to 2.5	Pass
				10	3.80	2.403	0.0014	-2.5 to 2.5	Pass
				30	3.80	6.509	0.0038	-2.5 to 2.5	Pass
				40	3.80	3.805	0.0022	-2.5 to 2.5	Pass
				50	3.80	5.951	0.0035	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.15	0.157	0.0001	-2.5 to 2.5	Pass
					3.80	-0.114	-0.0001	-2.5 to 2.5	Pass
					4.26	-4.420	-0.0026	-2.5 to 2.5	Pass
				-30	3.80	-1.659	-0.0010	-2.5 to 2.5	Pass
				-20	3.80	1.159	0.0007	-2.5 to 2.5	Pass
				-10	3.80	1.717	0.0010	-2.5 to 2.5	Pass
				0	3.80	-0.916	-0.0005	-2.5 to 2.5	Pass
				10	3.80	1.988	0.0011	-2.5 to 2.5	Pass
				30	3.80	-0.501	-0.0003	-2.5 to 2.5	Pass
				40	3.80	1.988	0.0011	-2.5 to 2.5	Pass
				50	3.80	-4.735	-0.0027	-2.5 to 2.5	Pass
	1750	50	0	20	3.15	8.669	0.0050	-2.5 to 2.5	Pass
					3.80	4.835	0.0028	-2.5 to 2.5	Pass
					4.26	2.117	0.0012	-2.5 to 2.5	Pass
				-30	3.80	7.010	0.0040	-2.5 to 2.5	Pass
				-20	3.80	7.567	0.0043	-2.5 to 2.5	Pass
				-10	3.80	8.368	0.0048	-2.5 to 2.5	Pass
				0	3.80	4.048	0.0023	-2.5 to 2.5	Pass
				10	3.80	6.351	0.0036	-2.5 to 2.5	Pass
				30	3.80	5.736	0.0033	-2.5 to 2.5	Pass
				40	3.80	6.666	0.0038	-2.5 to 2.5	Pass
				50	3.80	6.137	0.0035	-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	3.15	4.520	0.0026	-2.5 to 2.5	Pass
					3.80	4.106	0.0024	-2.5 to 2.5	Pass
					4.26	0.472	0.0003	-2.5 to 2.5	Pass
				-30	3.80	4.735	0.0028	-2.5 to 2.5	Pass
				-20	3.80	-1.845	-0.0011	-2.5 to 2.5	Pass
				-10	3.80	2.947	0.0017	-2.5 to 2.5	Pass
				0	3.80	3.490	0.0020	-2.5 to 2.5	Pass
				10	3.80	3.219	0.0019	-2.5 to 2.5	Pass
				30	3.80	4.520	0.0026	-2.5 to 2.5	Pass
				40	3.80	1.316	0.0008	-2.5 to 2.5	Pass
				50	3.80	6.008	0.0035	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.15	0.558	0.0003	-2.5 to 2.5	Pass
					3.80	-0.987	-0.0006	-2.5 to 2.5	Pass
					4.26	0.587	0.0003	-2.5 to 2.5	Pass
				-30	3.80	-2.046	-0.0012	-2.5 to 2.5	Pass
				-20	3.80	-0.672	-0.0004	-2.5 to 2.5	Pass
				-10	3.80	-0.830	-0.0005	-2.5 to 2.5	Pass
				0	3.80	-1.445	-0.0008	-2.5 to 2.5	Pass
				10	3.80	-3.419	-0.0020	-2.5 to 2.5	Pass
				30	3.80	-1.273	-0.0007	-2.5 to 2.5	Pass
				40	3.80	-0.944	-0.0005	-2.5 to 2.5	Pass
				50	3.80	1.001	0.0006	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.15	5.665	0.0032	-2.5 to 2.5	Pass
					3.80	1.874	0.0011	-2.5 to 2.5	Pass
					4.26	2.975	0.0017	-2.5 to 2.5	Pass
				-30	3.80	4.220	0.0024	-2.5 to 2.5	Pass
				-20	3.80	7.367	0.0042	-2.5 to 2.5	Pass
				-10	3.80	4.592	0.0026	-2.5 to 2.5	Pass
				0	3.80	7.496	0.0043	-2.5 to 2.5	Pass
				10	3.80	4.134	0.0024	-2.5 to 2.5	Pass
				30	3.80	5.379	0.0031	-2.5 to 2.5	Pass
				40	3.80	3.748	0.0021	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.15	6.638	0.0039	-2.5 to 2.5	Pass
					3.80	7.110	0.0041	-2.5 to 2.5	Pass
					4.26	3.490	0.0020	-2.5 to 2.5	Pass
				-30	3.80	4.835	0.0028	-2.5 to 2.5	Pass
				-20	3.80	0.529	0.0003	-2.5 to 2.5	Pass
				-10	3.80	1.459	0.0008	-2.5 to 2.5	Pass
				0	3.80	-0.157	-0.0001	-2.5 to 2.5	Pass
				10	3.80	-2.131	-0.0012	-2.5 to 2.5	Pass
				30	3.80	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	3.80	2.103	0.0012	-2.5 to 2.5	Pass
				50	3.80	0.186	0.0001	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.15	-2.346	-0.0014	-2.5 to 2.5	Pass
					3.80	-2.518	-0.0015	-2.5 to 2.5	Pass
					4.26	-1.702	-0.0010	-2.5 to 2.5	Pass
				-30	3.80	-0.286	-0.0002	-2.5 to 2.5	Pass
				-20	3.80	-5.164	-0.0030	-2.5 to 2.5	Pass
				-10	3.80	-0.758	-0.0004	-2.5 to 2.5	Pass
				0	3.80	-1.874	-0.0011	-2.5 to 2.5	Pass
				10	3.80	-0.043	0.0000	-2.5 to 2.5	Pass
				30	3.80	3.319	0.0019	-2.5 to 2.5	Pass
				40	3.80	-1.202	-0.0007	-2.5 to 2.5	Pass
				50	3.80	-1.330	-0.0008	-2.5 to 2.5	Pass

	1747.5	75	0	20	3.15	1.917	0.0011	-2.5 to 2.5	Pass
					3.80	0.257	0.0001	-2.5 to 2.5	Pass
					4.26	5.379	0.0031	-2.5 to 2.5	Pass
				-30	3.80	2.432	0.0014	-2.5 to 2.5	Pass
				-20	3.80	0.787	0.0005	-2.5 to 2.5	Pass
				-10	3.80	1.588	0.0009	-2.5 to 2.5	Pass
				0	3.80	-0.572	-0.0003	-2.5 to 2.5	Pass
				10	3.80	0.343	0.0002	-2.5 to 2.5	Pass
				30	3.80	4.864	0.0028	-2.5 to 2.5	Pass
				40	3.80	-1.645	-0.0009	-2.5 to 2.5	Pass
				50	3.80	0.472	0.0003	-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	3.15	1.802	0.0010	-2.5 to 2.5	Pass
					3.80	1.416	0.0008	-2.5 to 2.5	Pass
					4.26	3.319	0.0019	-2.5 to 2.5	Pass
				-30	3.80	1.445	0.0008	-2.5 to 2.5	Pass
				-20	3.80	-0.072	0.0000	-2.5 to 2.5	Pass
				-10	3.80	0.114	0.0001	-2.5 to 2.5	Pass
				0	3.80	2.046	0.0012	-2.5 to 2.5	Pass
				10	3.80	2.446	0.0014	-2.5 to 2.5	Pass
				30	3.80	2.975	0.0017	-2.5 to 2.5	Pass
				40	3.80	0.930	0.0005	-2.5 to 2.5	Pass
				50	3.80	5.236	0.0030	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.15	1.073	0.0006	-2.5 to 2.5	Pass
					3.80	-1.559	-0.0009	-2.5 to 2.5	Pass
					4.26	-0.072	0.0000	-2.5 to 2.5	Pass
				-30	3.80	0.343	0.0002	-2.5 to 2.5	Pass
				-20	3.80	-1.874	-0.0011	-2.5 to 2.5	Pass
				-10	3.80	0.114	0.0001	-2.5 to 2.5	Pass
				0	3.80	0.000	0.0000	-2.5 to 2.5	Pass
				10	3.80	-1.674	-0.0010	-2.5 to 2.5	Pass
				30	3.80	-0.687	-0.0004	-2.5 to 2.5	Pass
				40	3.80	-0.529	-0.0003	-2.5 to 2.5	Pass
				50	3.80	-1.588	-0.0009	-2.5 to 2.5	Pass
	1745	100	0	20	3.15	1.845	0.0011	-2.5 to 2.5	Pass
					3.80	1.016	0.0006	-2.5 to 2.5	Pass
					4.26	1.416	0.0008	-2.5 to 2.5	Pass
				-30	3.80	2.332	0.0013	-2.5 to 2.5	Pass
				-20	3.80	2.460	0.0014	-2.5 to 2.5	Pass
				-10	3.80	2.260	0.0013	-2.5 to 2.5	Pass
				0	3.80	2.003	0.0011	-2.5 to 2.5	Pass
				10	3.80	3.834	0.0022	-2.5 to 2.5	Pass
				30	3.80	1.316	0.0008	-2.5 to 2.5	Pass
				40	3.80	4.120	0.0024	-2.5 to 2.5	Pass
				50	3.80	2.117	0.0012	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.15	2.632	0.0015	-2.5 to 2.5	Pass
					3.80	2.618	0.0015	-2.5 to 2.5	Pass
					4.26	0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.80	3.591	0.0021	-2.5 to 2.5	Pass
				-20	3.80	0.744	0.0004	-2.5 to 2.5	Pass
				-10	3.80	-1.159	-0.0007	-2.5 to 2.5	Pass
				0	3.80	2.189	0.0013	-2.5 to 2.5	Pass
				10	3.80	3.548	0.0021	-2.5 to 2.5	Pass

				30	3.80	3.219	0.0019	-2.5 to 2.5	Pass
				40	3.80	-0.973	-0.0006	-2.5 to 2.5	Pass
				50	3.80	1.745	0.0010	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.15	-1.130	-0.0007	-2.5 to 2.5	Pass
					3.80	-0.401	-0.0002	-2.5 to 2.5	Pass
					4.26	2.089	0.0012	-2.5 to 2.5	Pass
				-30	3.80	-0.715	-0.0004	-2.5 to 2.5	Pass
				-20	3.80	1.273	0.0007	-2.5 to 2.5	Pass
				-10	3.80	-0.944	-0.0005	-2.5 to 2.5	Pass
				0	3.80	-2.146	-0.0012	-2.5 to 2.5	Pass
				10	3.80	-1.345	-0.0008	-2.5 to 2.5	Pass
				30	3.80	0.987	0.0006	-2.5 to 2.5	Pass
				40	3.80	4.406	0.0025	-2.5 to 2.5	Pass
				50	3.80	5.879	0.0034	-2.5 to 2.5	Pass
	1745	100	0	20	3.15	3.076	0.0018	-2.5 to 2.5	Pass
					3.80	3.963	0.0023	-2.5 to 2.5	Pass
					4.26	-0.372	-0.0002	-2.5 to 2.5	Pass
				-30	3.80	1.402	0.0008	-2.5 to 2.5	Pass
				-20	3.80	1.645	0.0009	-2.5 to 2.5	Pass
				-10	3.80	2.203	0.0013	-2.5 to 2.5	Pass
				0	3.80	2.160	0.0012	-2.5 to 2.5	Pass
				10	3.80	0.858	0.0005	-2.5 to 2.5	Pass
				30	3.80	-2.718	-0.0016	-2.5 to 2.5	Pass
				40	3.80	1.488	0.0009	-2.5 to 2.5	Pass
				50	3.80	-0.114	-0.0001	-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 / 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

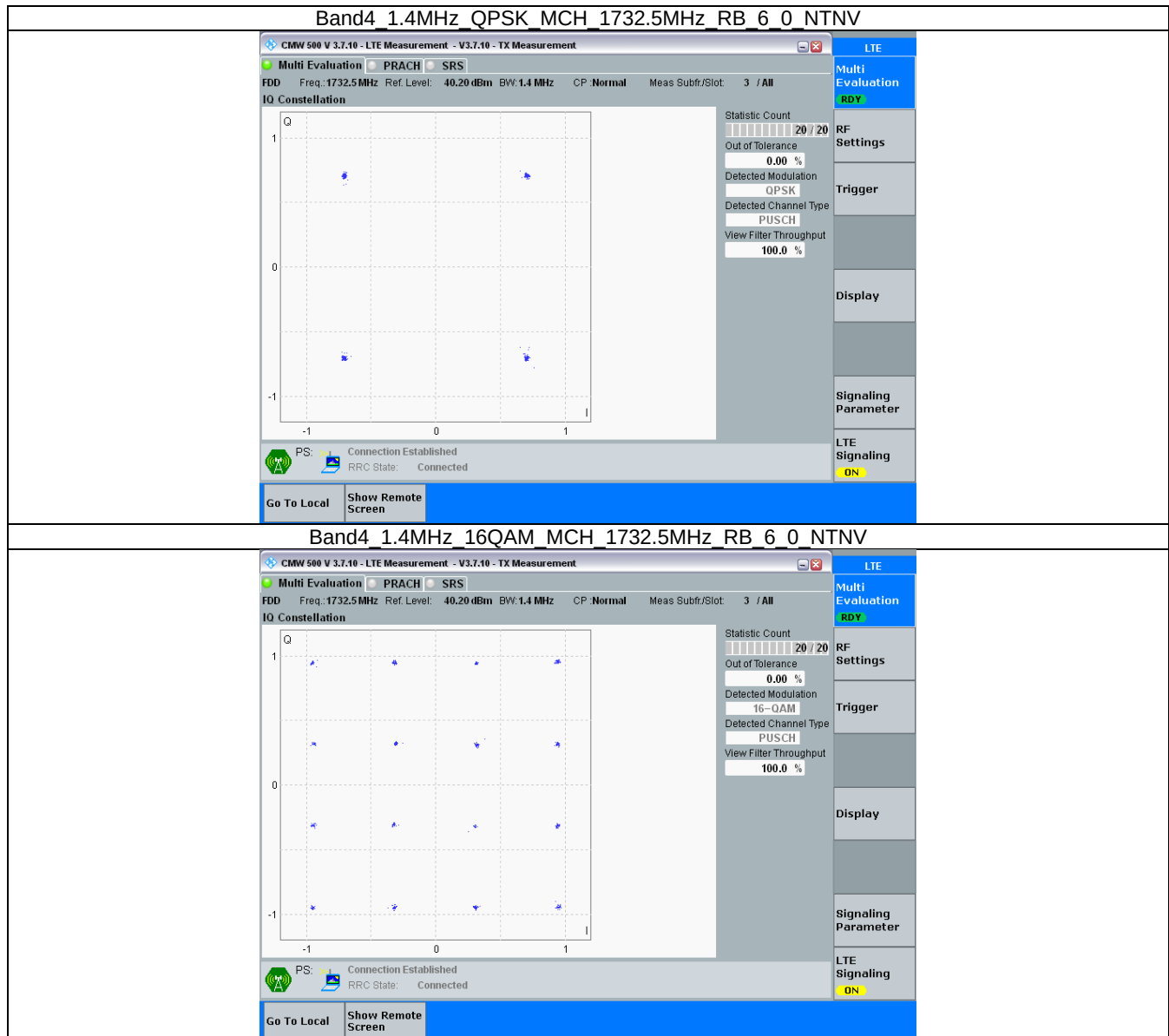
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

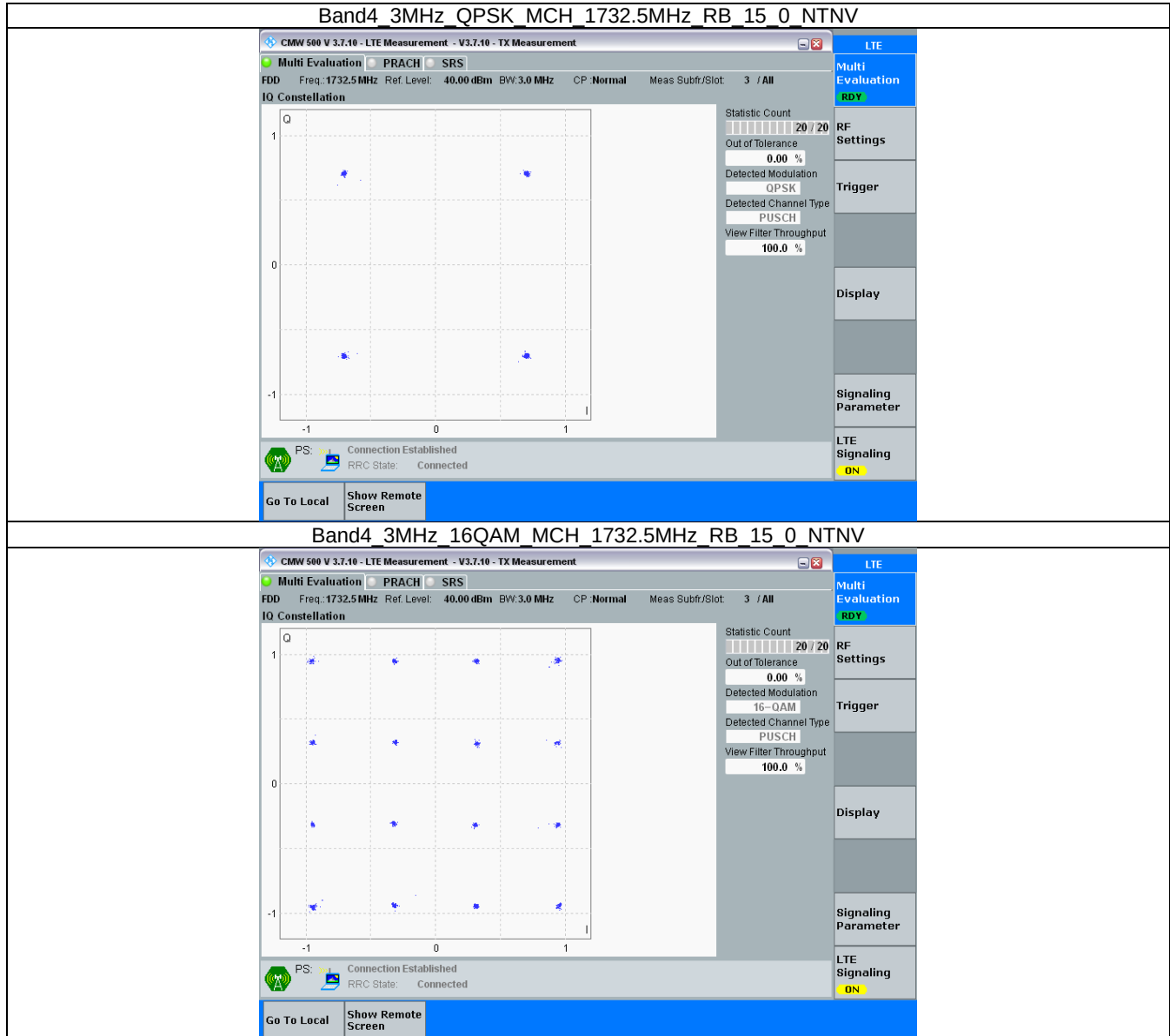
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

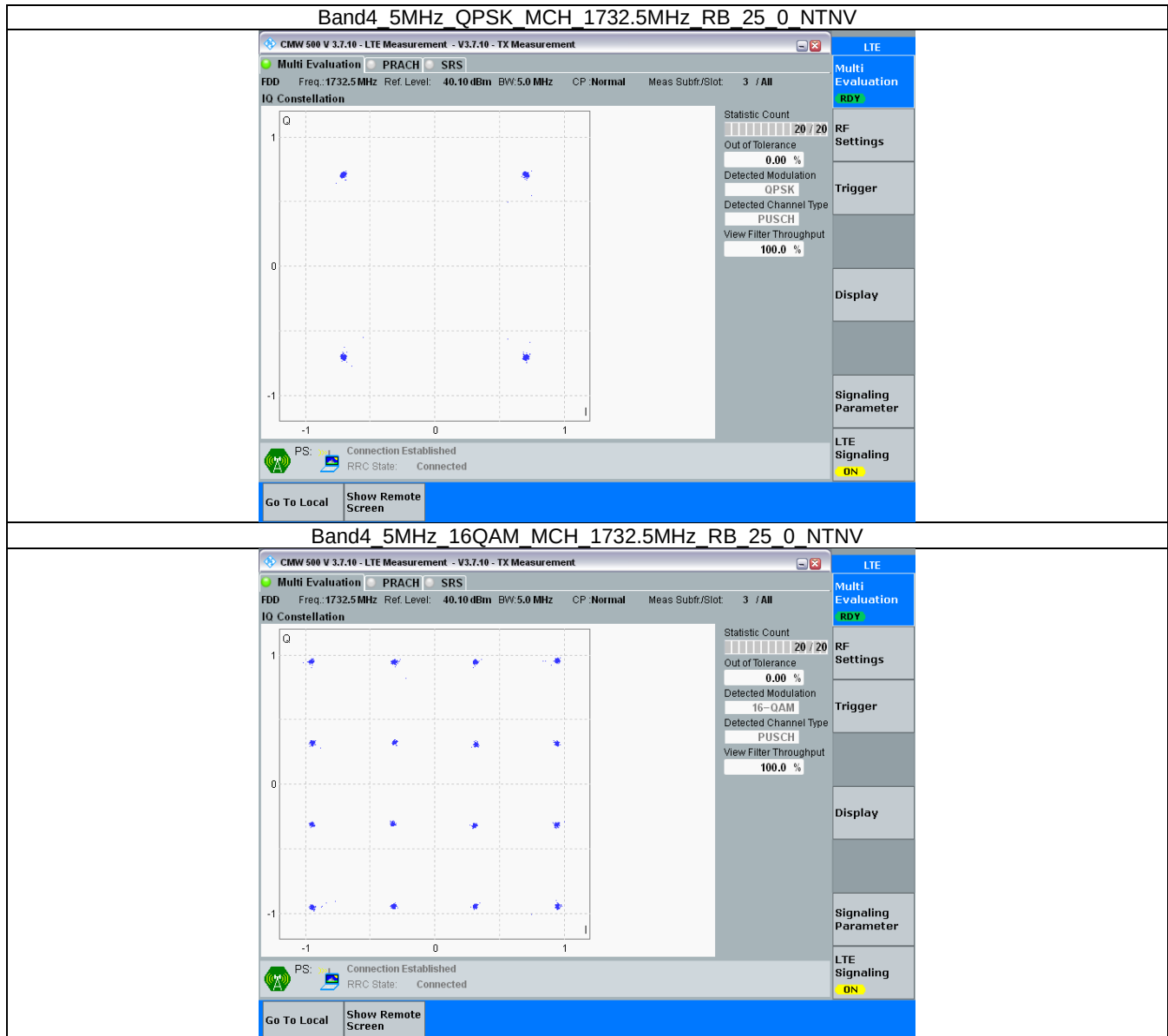
3.2.1 B4_1.4MHz



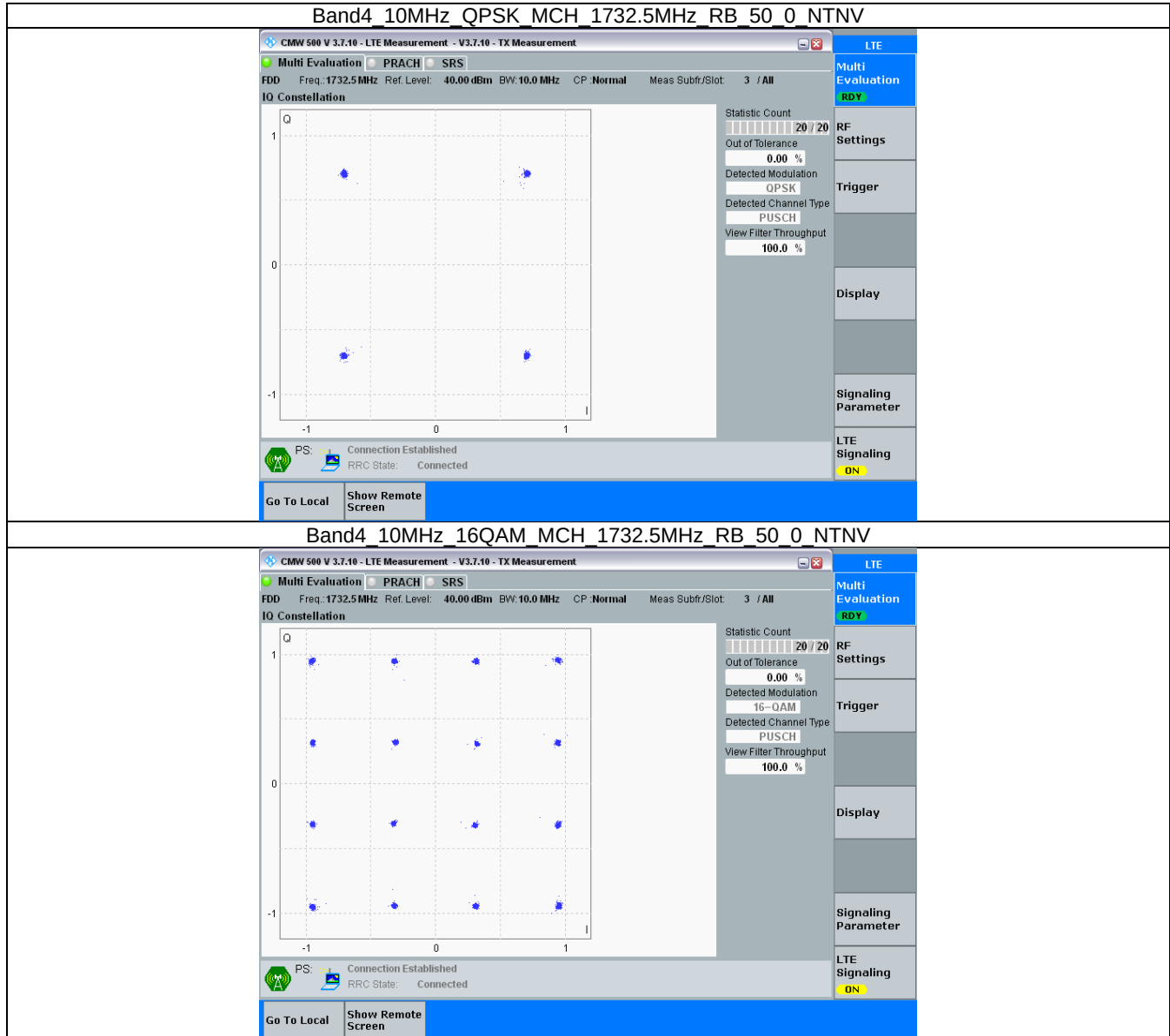
3.2.2 B4_3MHz



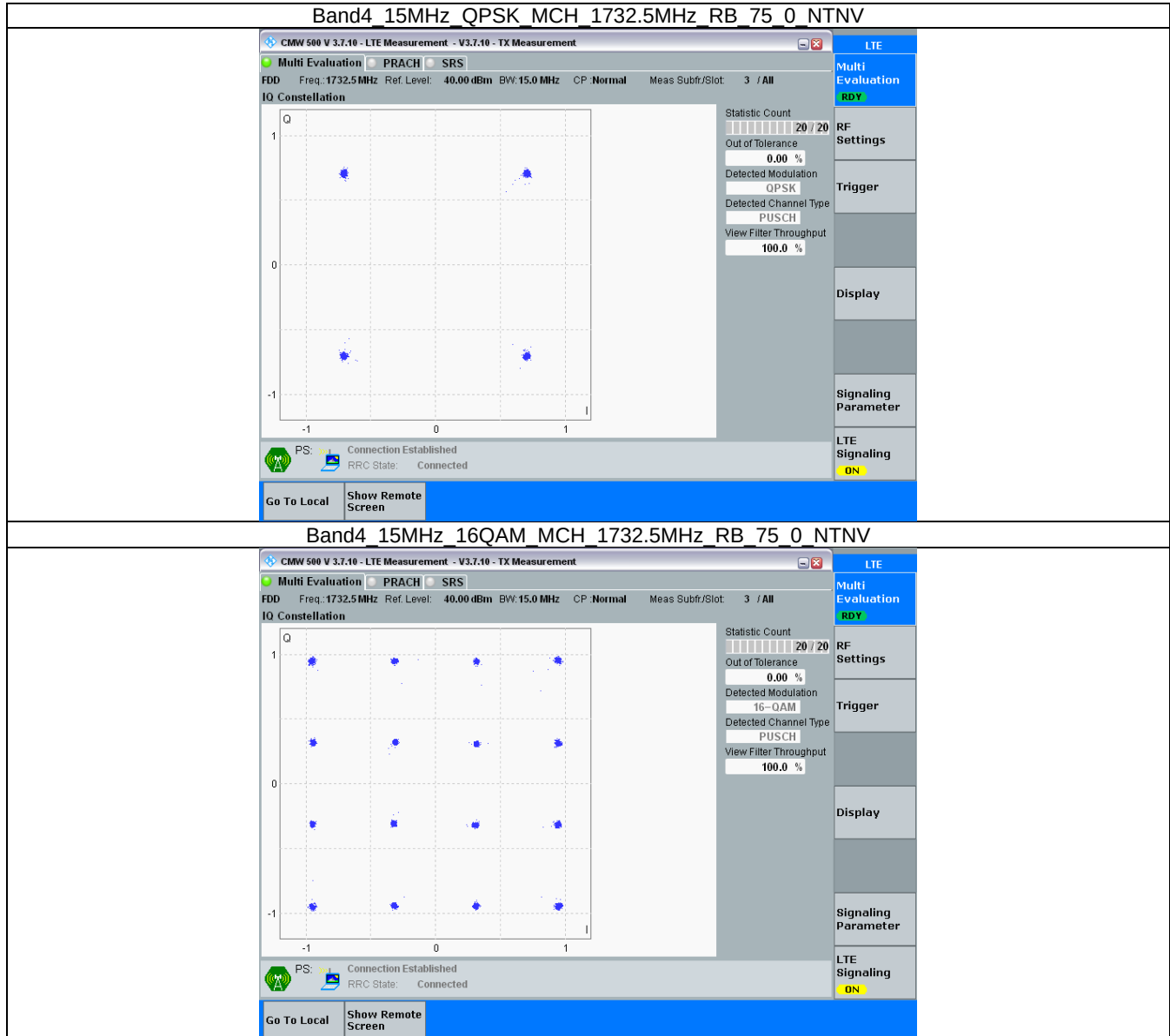
3.2.3 B4_5MHz



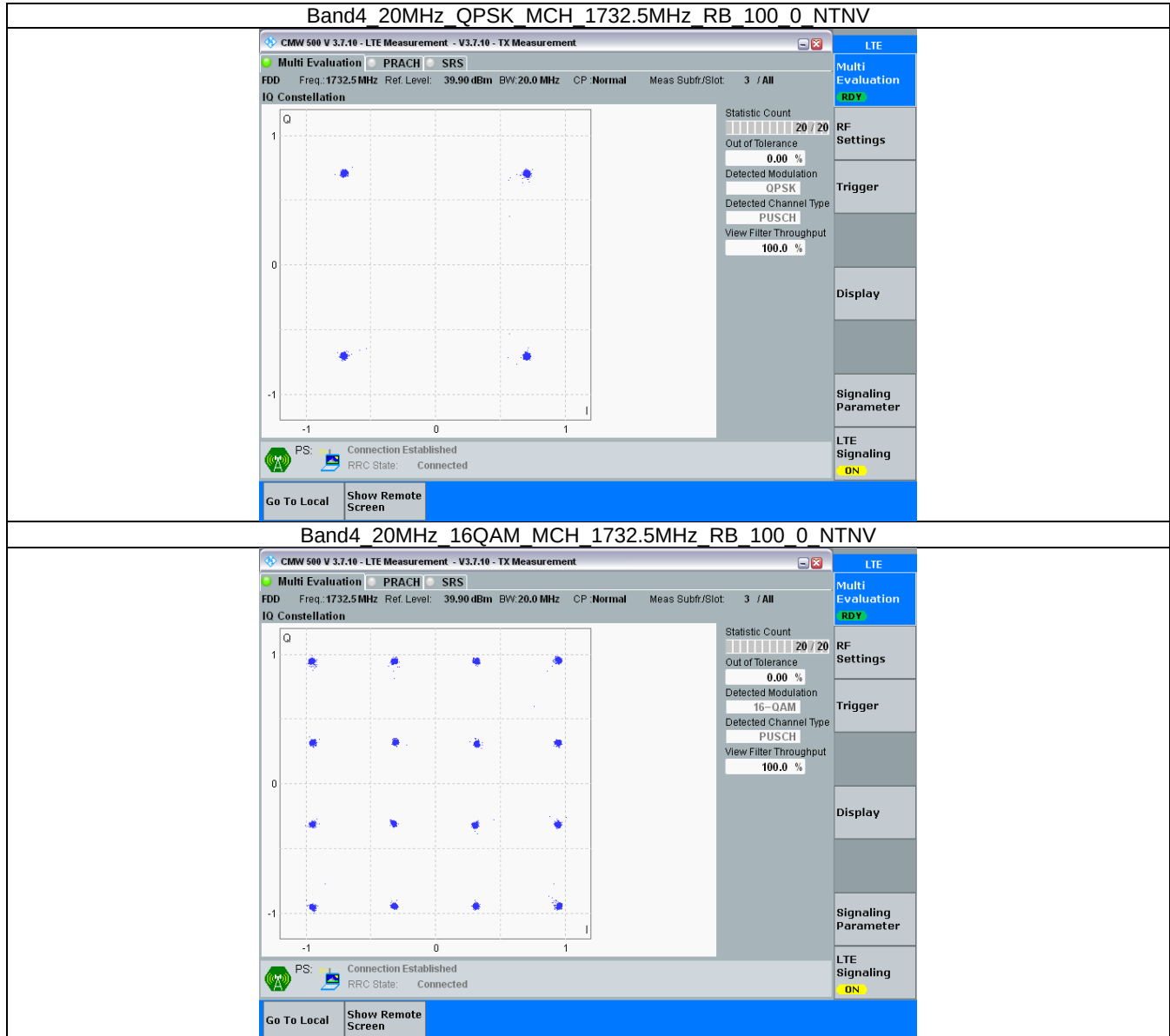
3.2.4 B4_10MHz



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	1.088	/	Pass
		1732.5	6	0	1.080	/	Pass
		1754.3	6	0	1.083	/	Pass
	16QAM	1710.7	6	0	1.086	/	Pass
		1732.5	6	0	1.080	/	Pass
		1754.3	6	0	1.092	/	Pass
3	QPSK	1711.5	15	0	2.688	/	Pass
		1732.5	15	0	2.683	/	Pass
		1753.5	15	0	2.688	/	Pass
	16QAM	1711.5	15	0	2.684	/	Pass
		1732.5	15	0	2.680	/	Pass
		1753.5	15	0	2.684	/	Pass
5	QPSK	1712.5	25	0	4.512	/	Pass
		1732.5	25	0	4.515	/	Pass
		1752.5	25	0	4.519	/	Pass
	16QAM	1712.5	25	0	4.518	/	Pass
		1732.5	25	0	4.510	/	Pass
		1752.5	25	0	4.509	/	Pass
10	QPSK	1715	50	0	8.950	/	Pass
		1732.5	50	0	8.951	/	Pass
		1750	50	0	8.974	/	Pass
	16QAM	1715	50	0	8.966	/	Pass
		1732.5	50	0	8.947	/	Pass
		1750	50	0	8.960	/	Pass
15	QPSK	1717.5	75	0	13.464	/	Pass
		1732.5	75	0	13.407	/	Pass
		1747.5	75	0	13.468	/	Pass
	16QAM	1717.5	75	0	13.429	/	Pass
		1732.5	75	0	13.440	/	Pass
		1747.5	75	0	13.469	/	Pass
20	QPSK	1720	100	0	17.857	/	Pass
		1732.5	100	0	17.856	/	Pass
		1745	100	0	17.862	/	Pass
	16QAM	1720	100	0	17.854	/	Pass
		1732.5	100	0	17.841	/	Pass
		1745	100	0	17.888	/	Pass

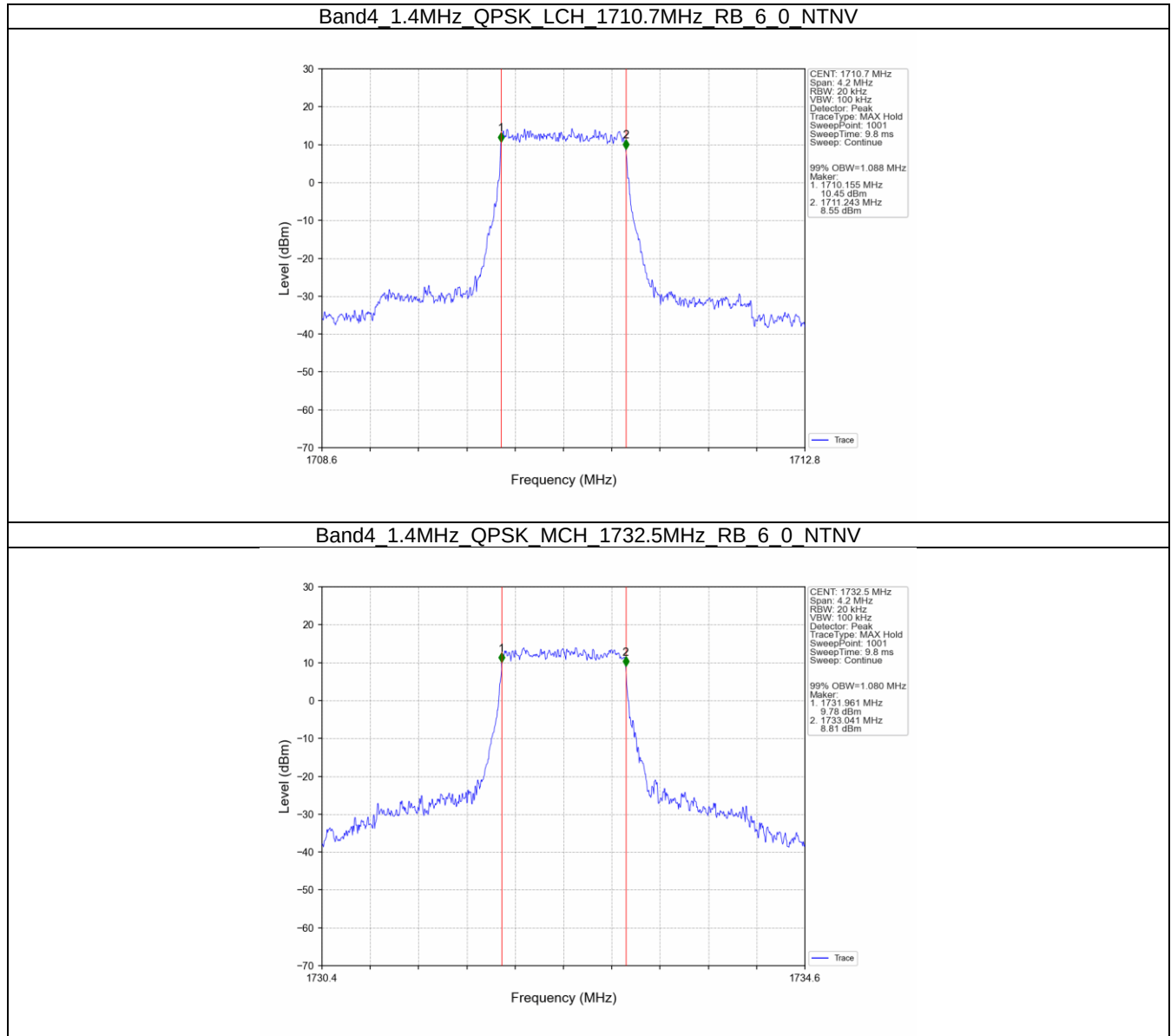
4.1.2 Band4_XDB

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	1.263	/	Pass
		1732.5	6	0	1.275	/	Pass
		1754.3	6	0	1.243	/	Pass
	16QAM	1710.7	6	0	1.274	/	Pass
		1732.5	6	0	1.245	/	Pass
		1754.3	6	0	1.283	/	Pass
3	QPSK	1711.5	15	0	2.891	/	Pass

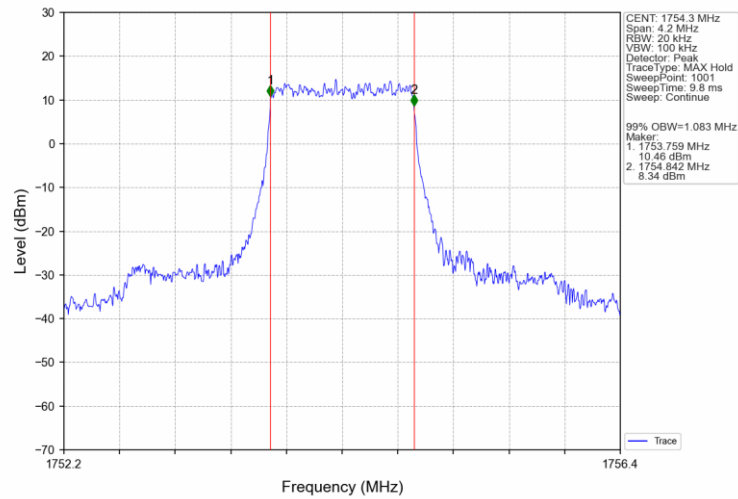
	16QAM	1732.5	15	0	2.893	/	Pass
		1753.5	15	0	2.890	/	Pass
		1711.5	15	0	2.887	/	Pass
		1732.5	15	0	2.864	/	Pass
		1753.5	15	0	2.899	/	Pass
5	QPSK	1712.5	25	0	4.950	/	Pass
		1732.5	25	0	4.984	/	Pass
		1752.5	25	0	4.946	/	Pass
	16QAM	1712.5	25	0	4.992	/	Pass
		1732.5	25	0	4.945	/	Pass
		1752.5	25	0	4.972	/	Pass
10	QPSK	1715	50	0	9.587	/	Pass
		1732.5	50	0	9.552	/	Pass
		1750	50	0	9.640	/	Pass
	16QAM	1715	50	0	9.641	/	Pass
		1732.5	50	0	9.628	/	Pass
		1750	50	0	9.607	/	Pass
15	QPSK	1717.5	75	0	14.405	/	Pass
		1732.5	75	0	14.416	/	Pass
		1747.5	75	0	14.581	/	Pass
	16QAM	1717.5	75	0	14.330	/	Pass
		1732.5	75	0	14.404	/	Pass
		1747.5	75	0	14.497	/	Pass
20	QPSK	1720	100	0	19.018	/	Pass
		1732.5	100	0	18.996	/	Pass
		1745	100	0	18.991	/	Pass
	16QAM	1720	100	0	19.043	/	Pass
		1732.5	100	0	18.999	/	Pass
		1745	100	0	18.961	/	Pass

4.2 Test Graph

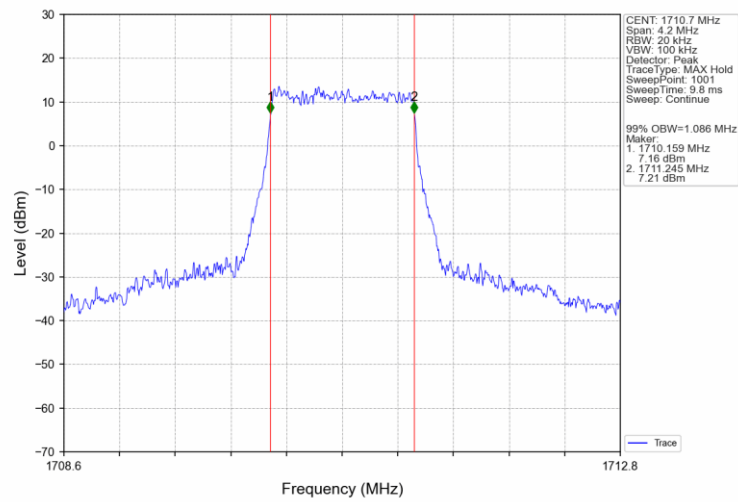
4.2.1 Band4_OBW



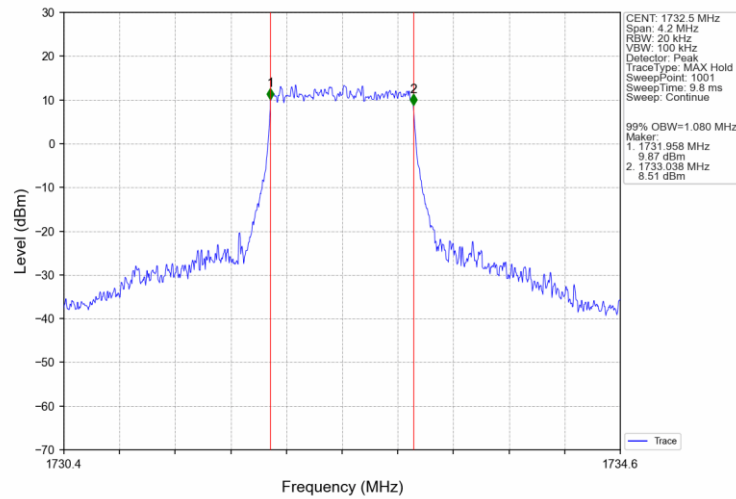
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



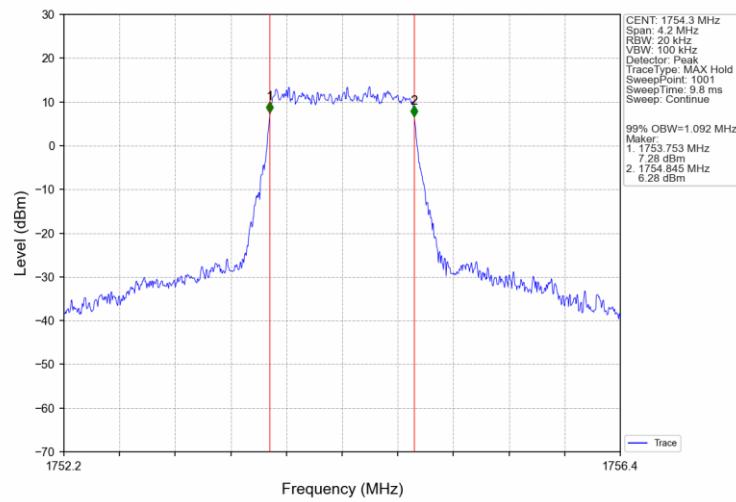
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



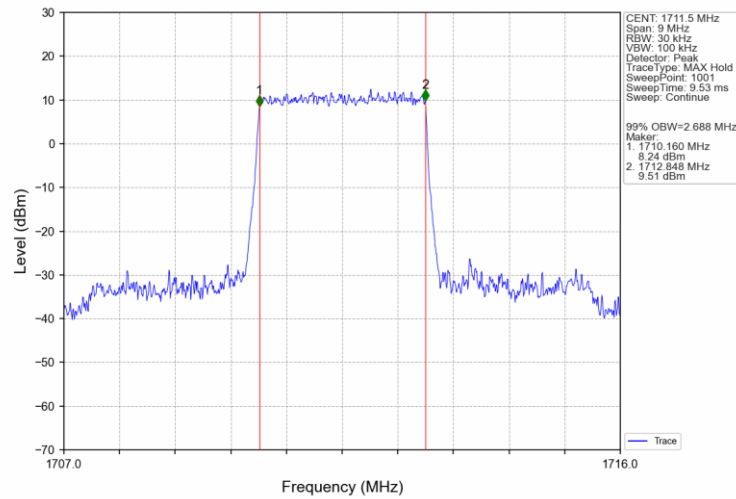
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



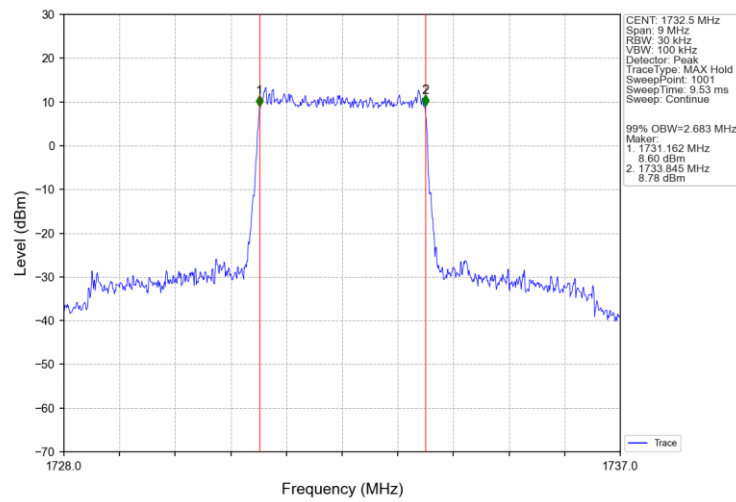
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



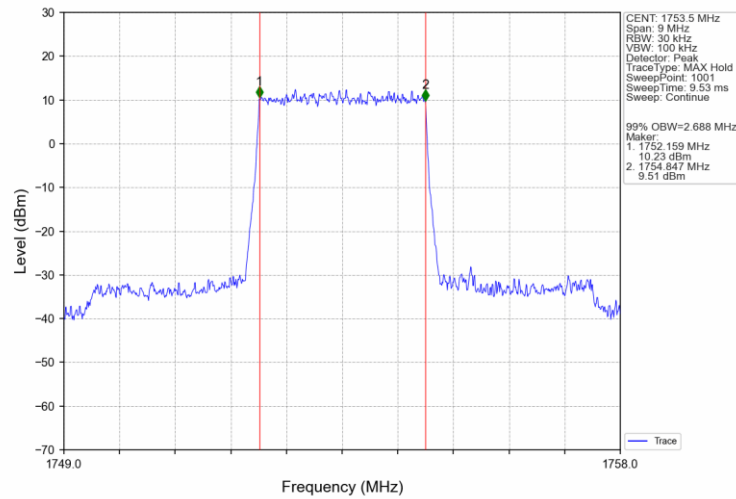
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



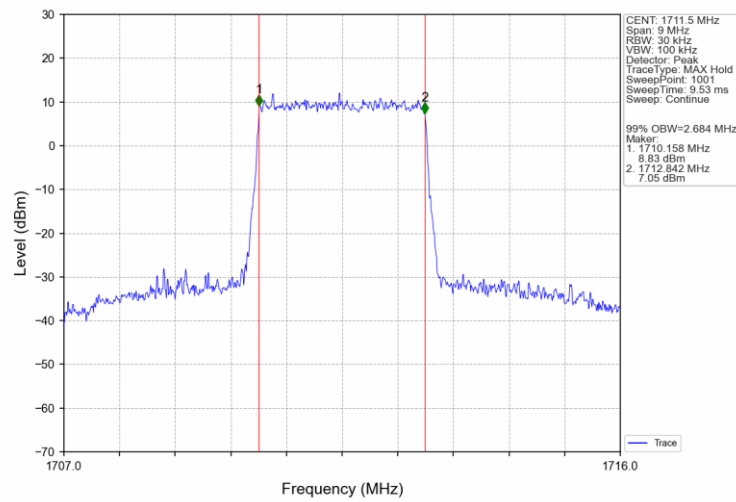
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



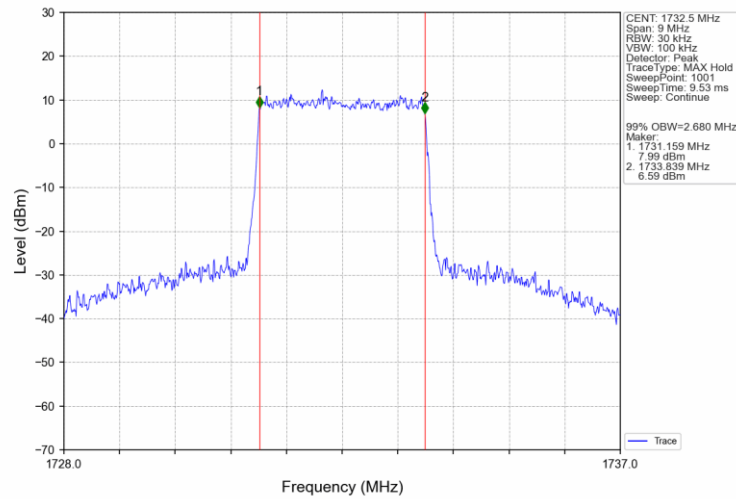
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



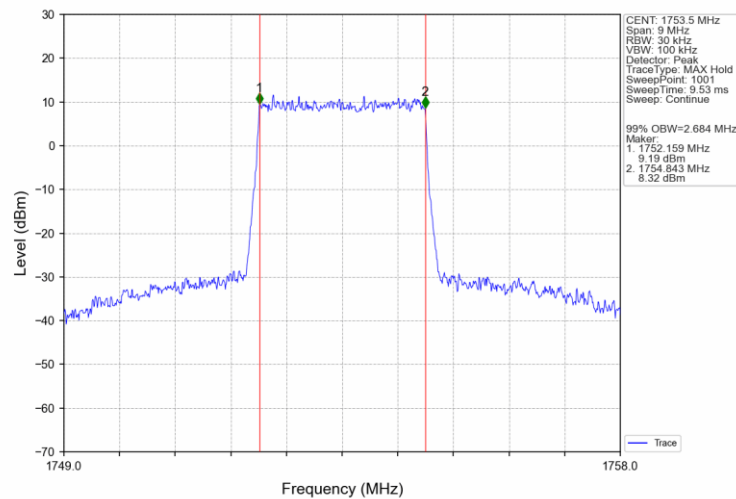
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



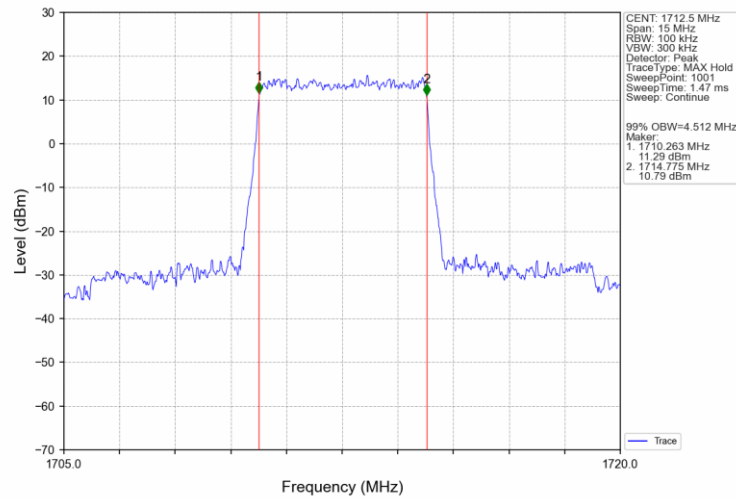
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



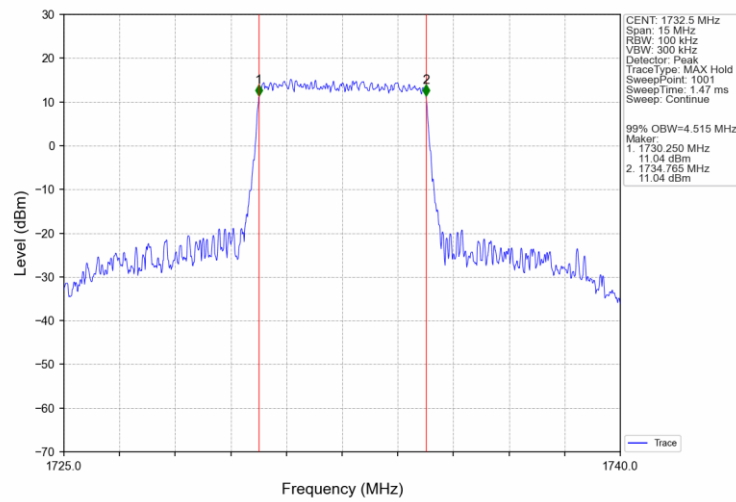
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



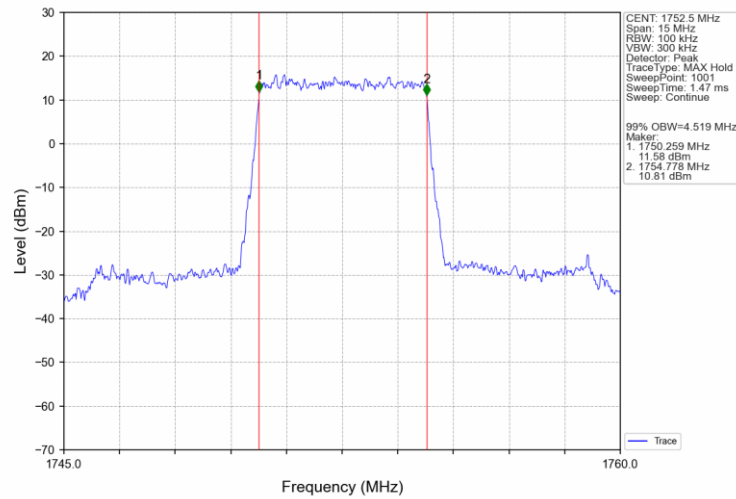
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



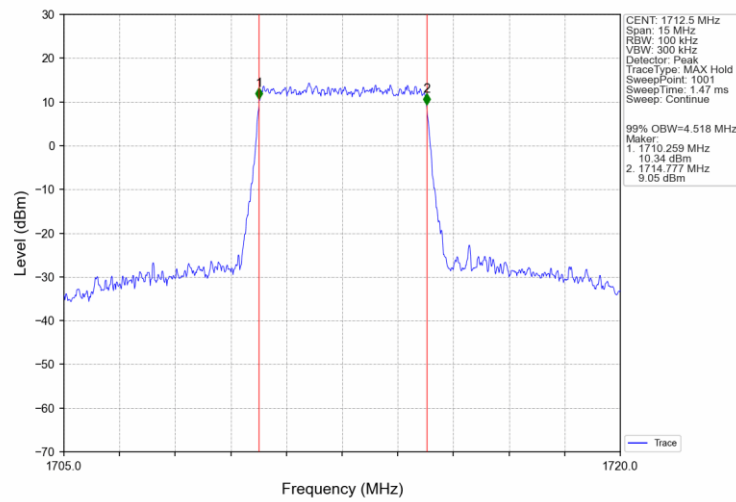
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



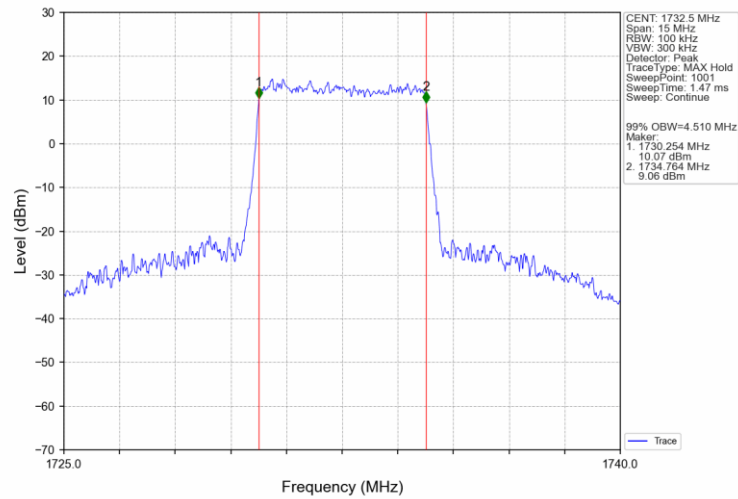
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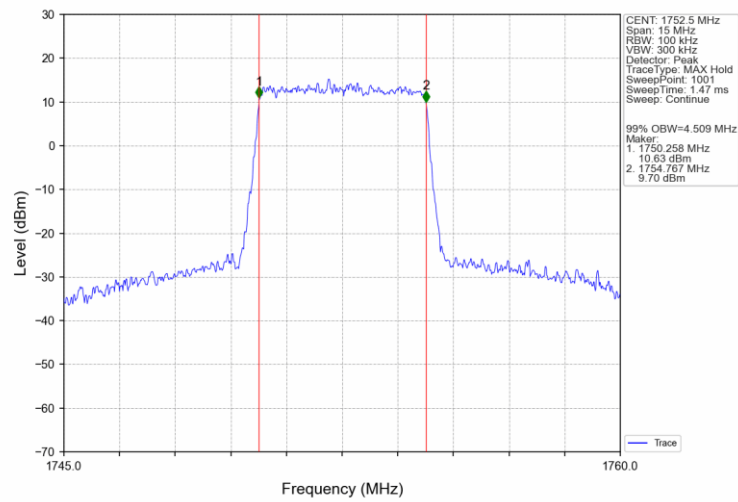
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



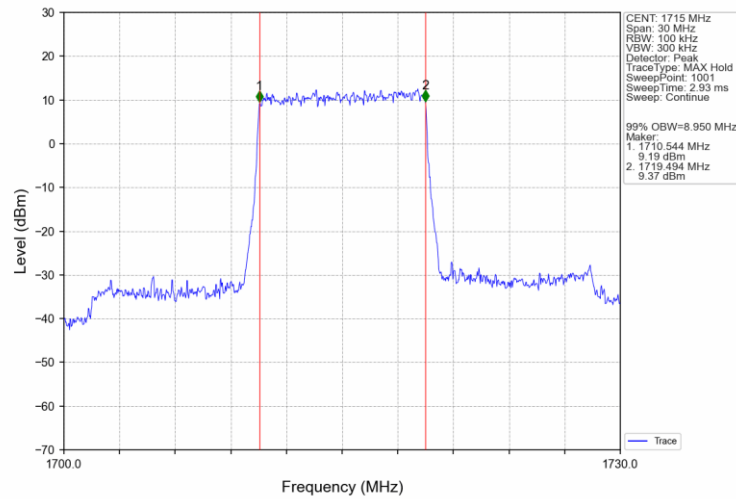
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



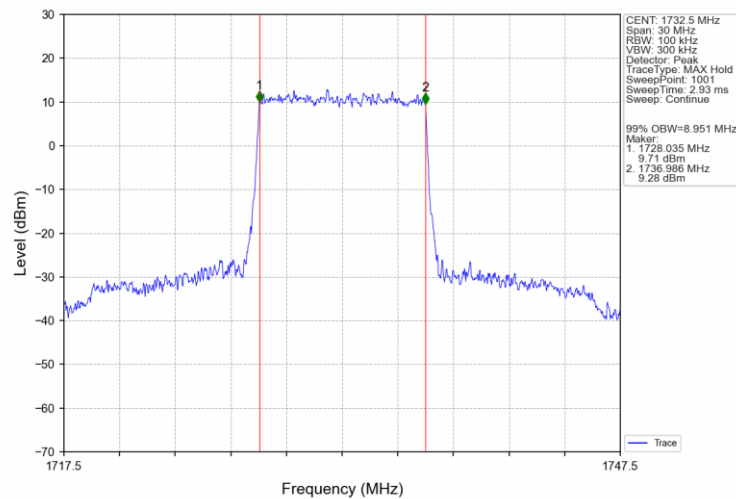
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



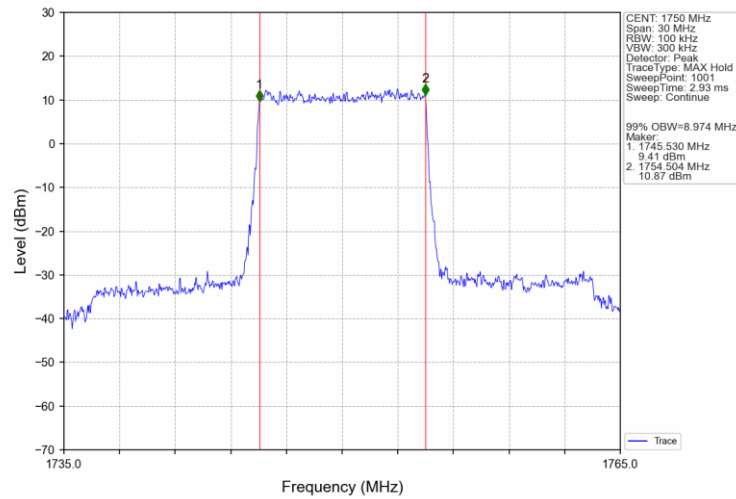
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



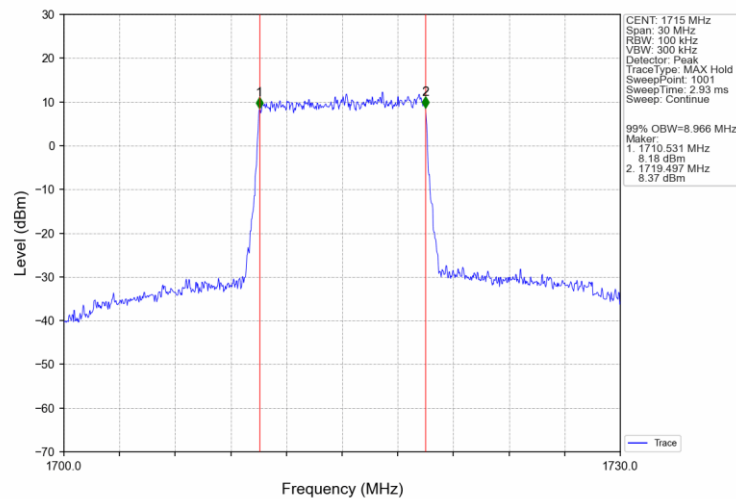
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



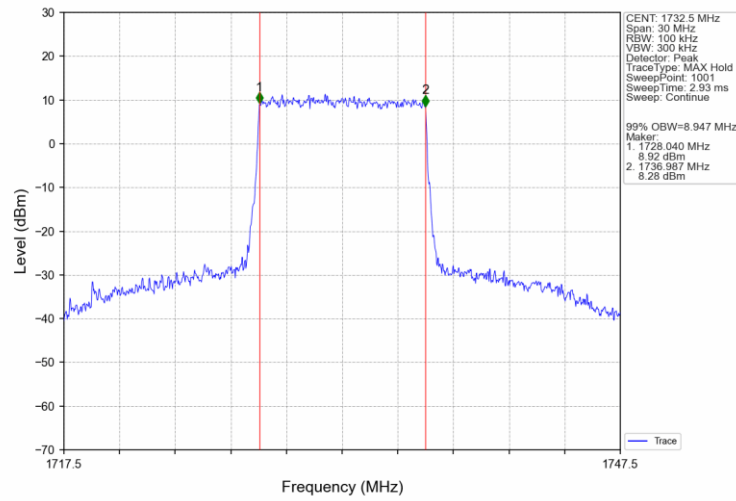
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



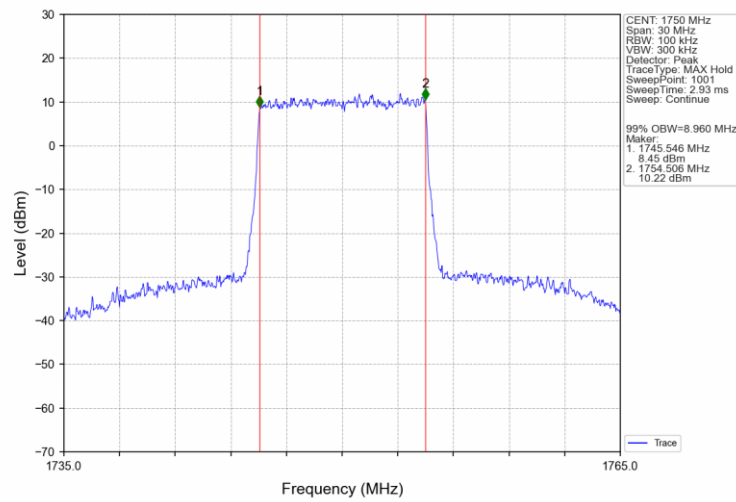
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



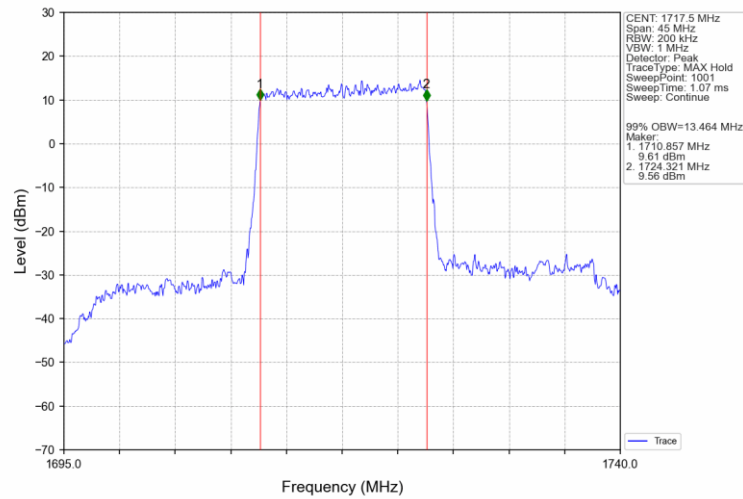
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



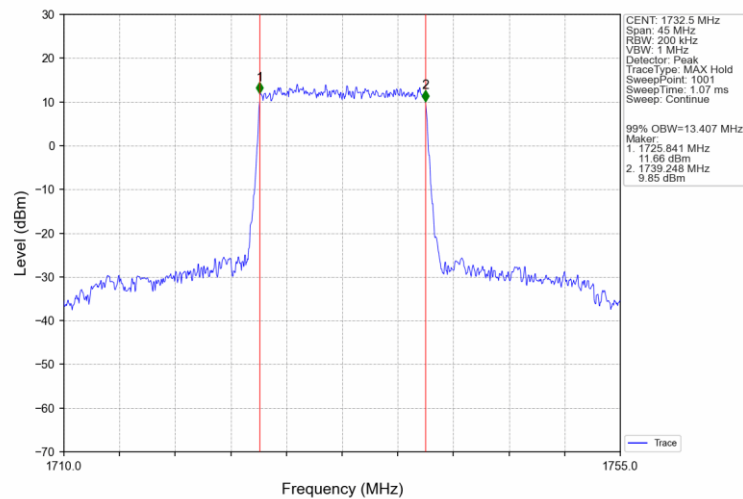
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



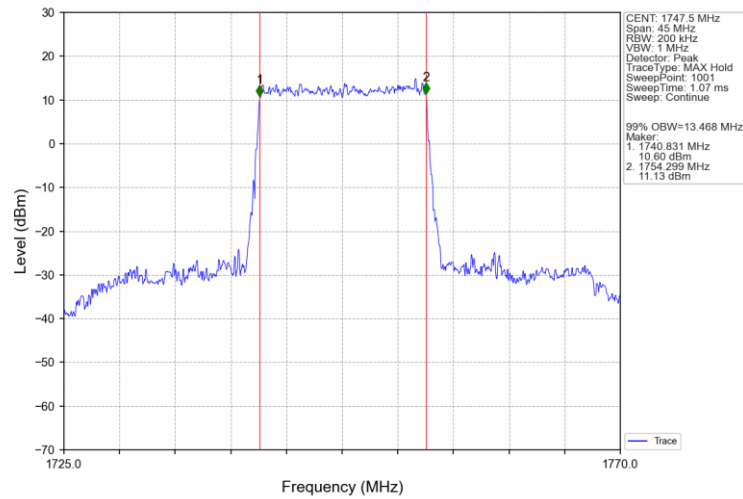
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



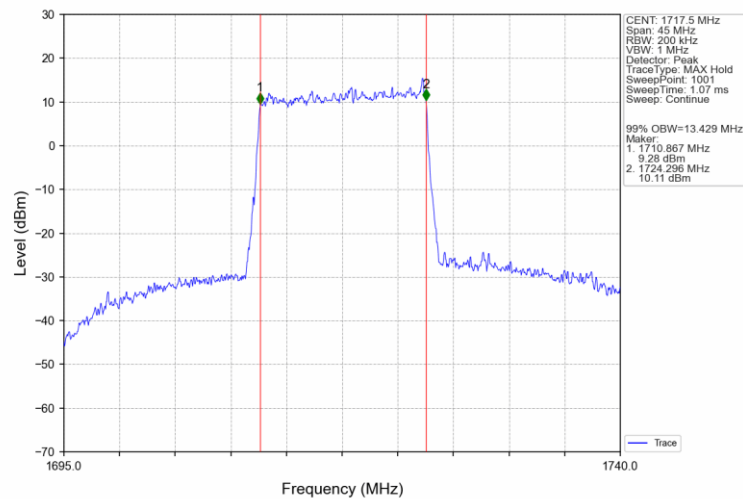
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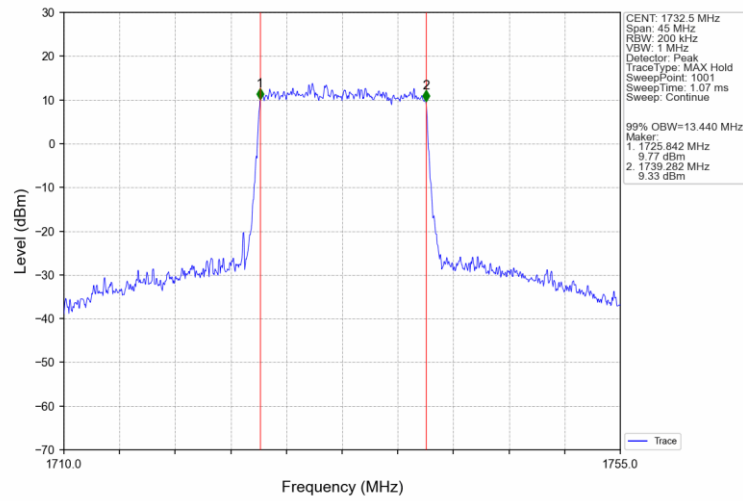
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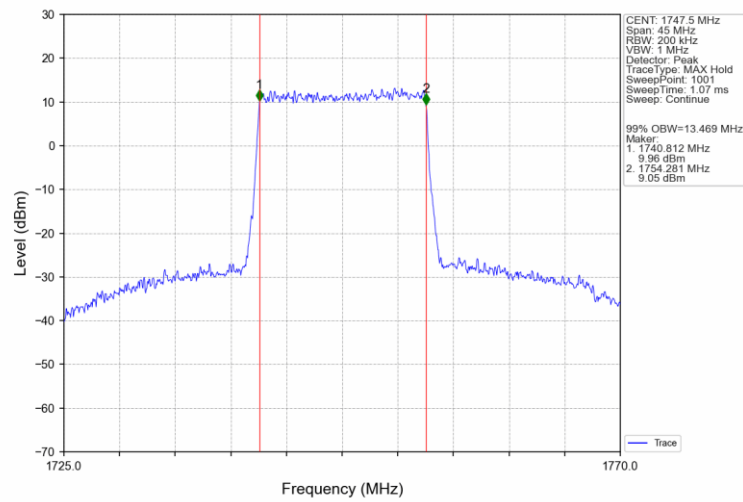
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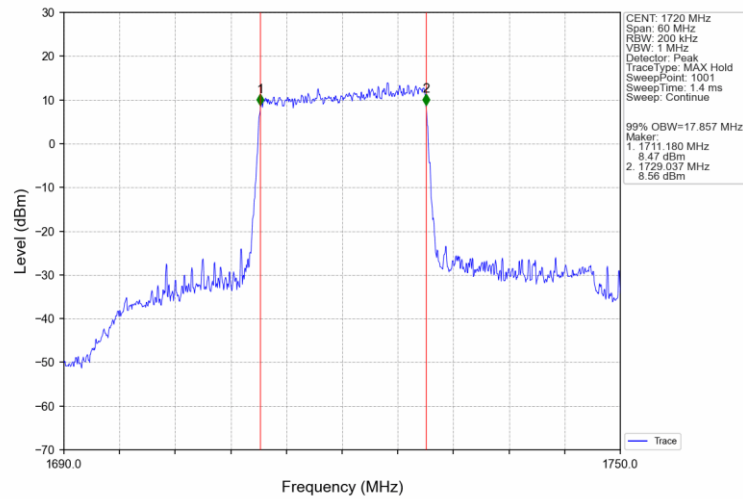
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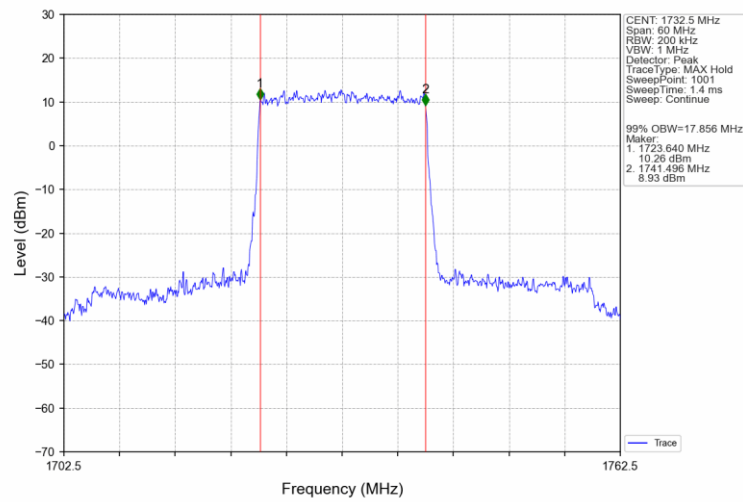
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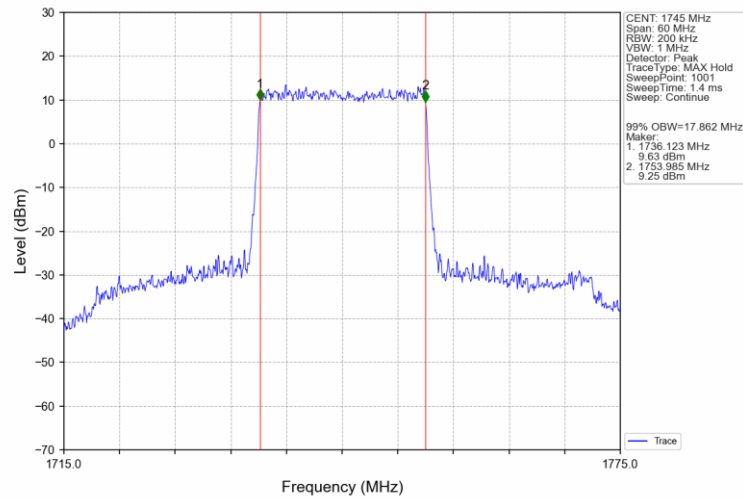
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



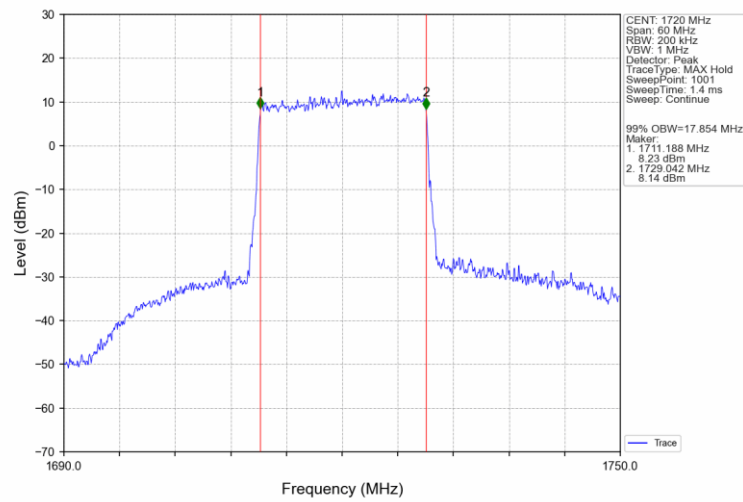
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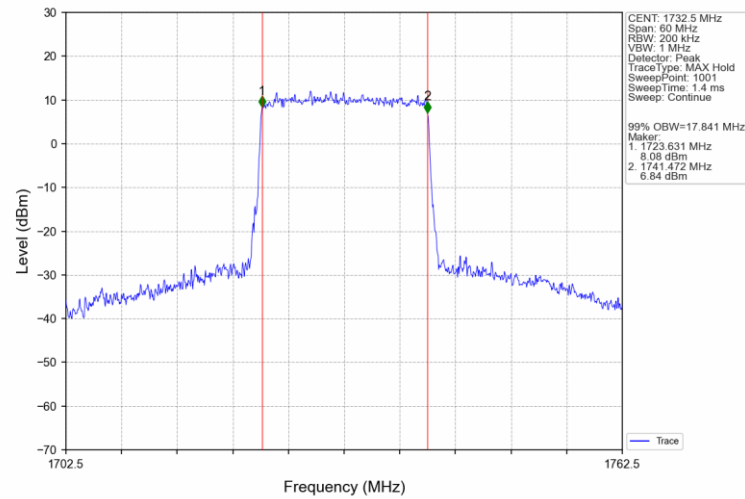
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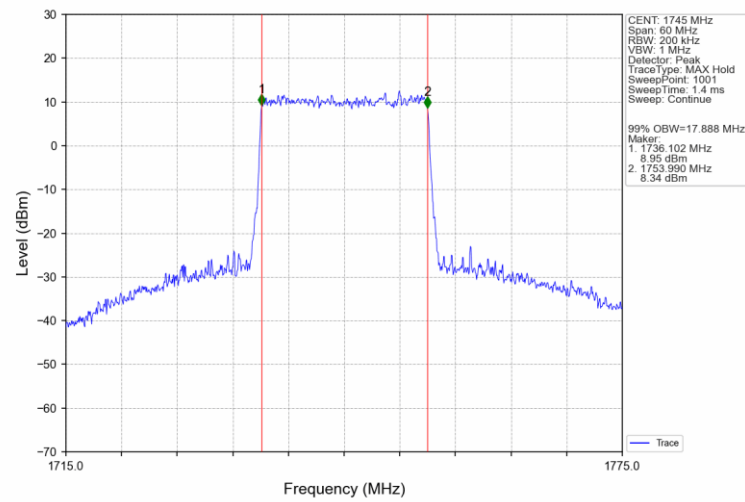
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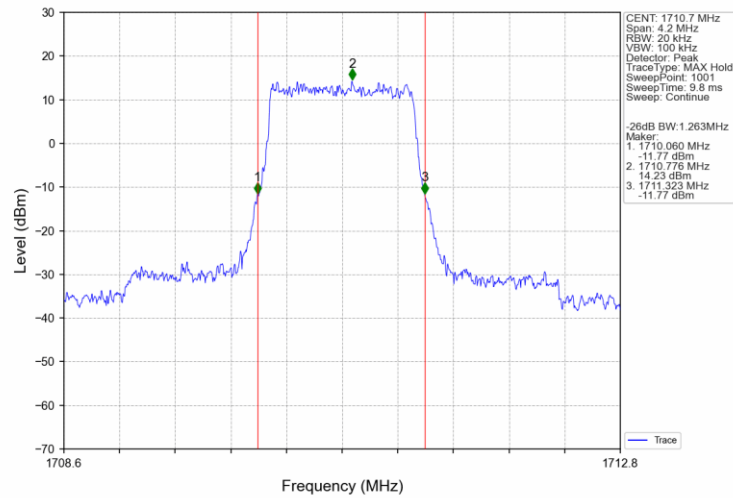


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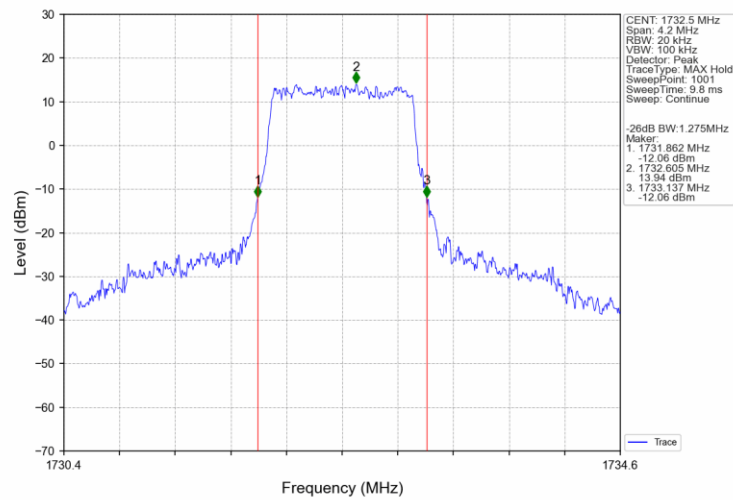


4.2.2 Band4_XDB

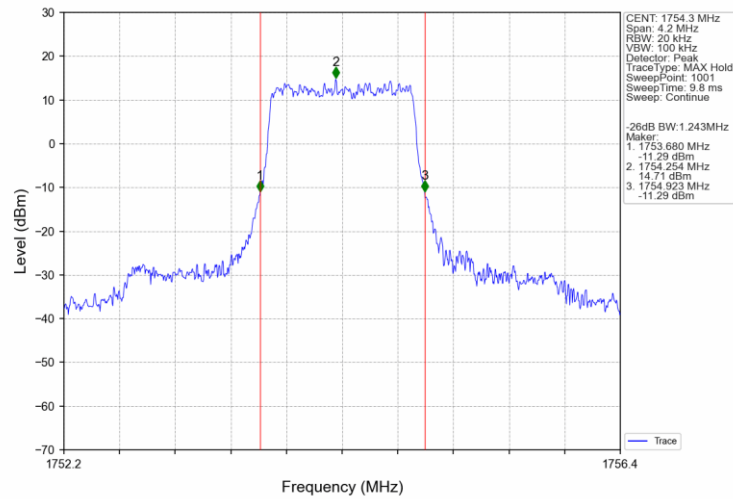
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



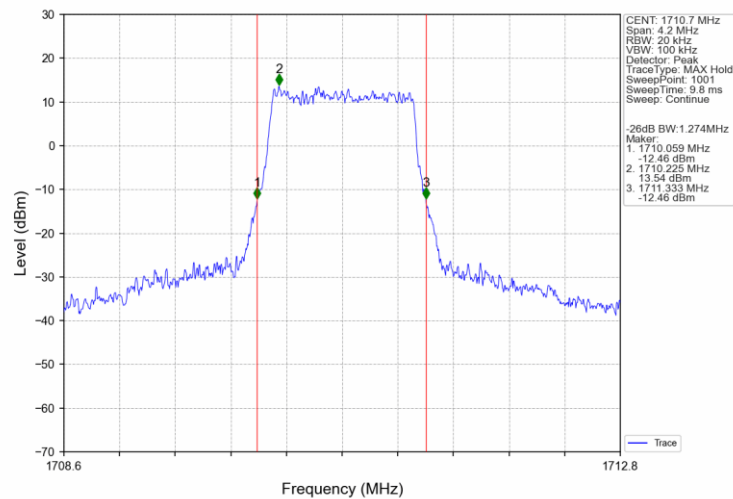
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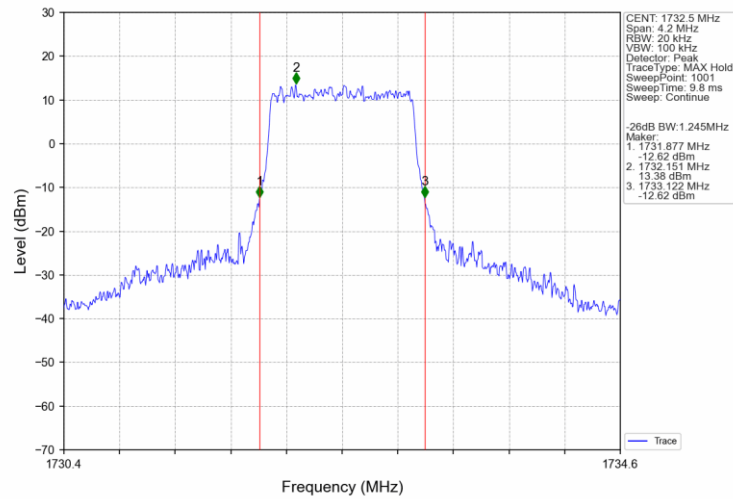
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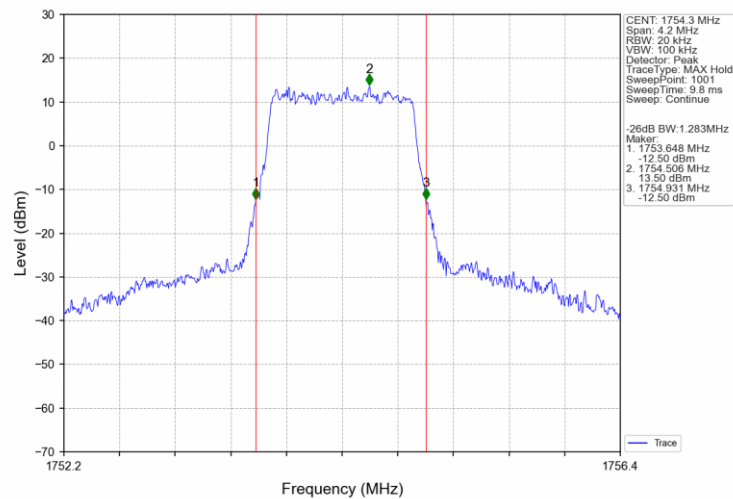
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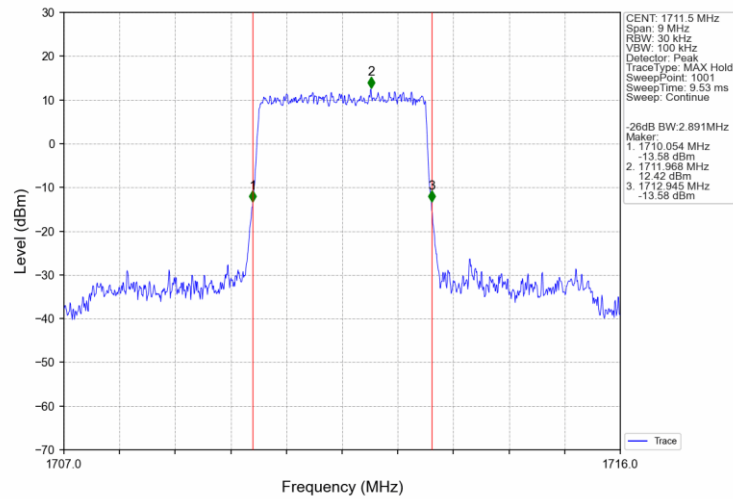
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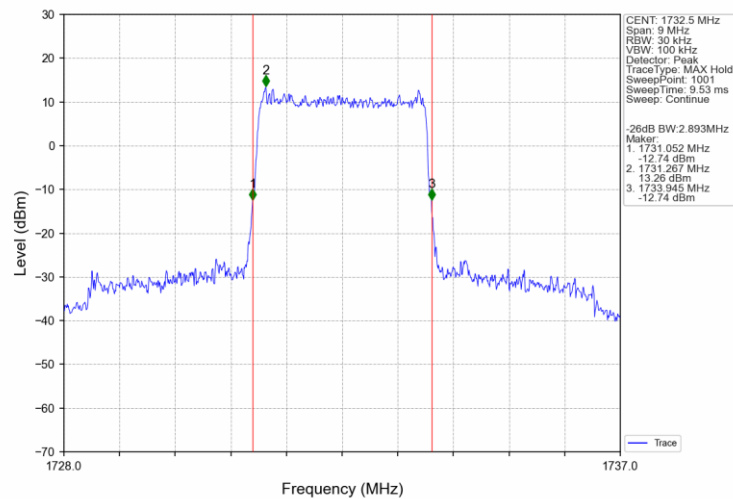
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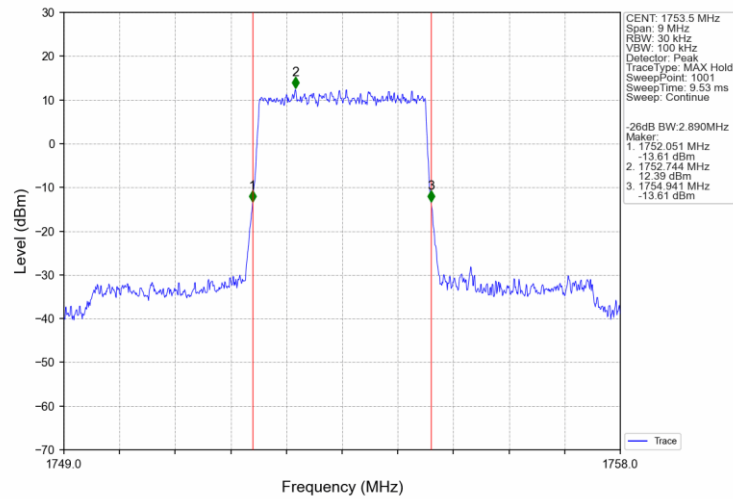
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



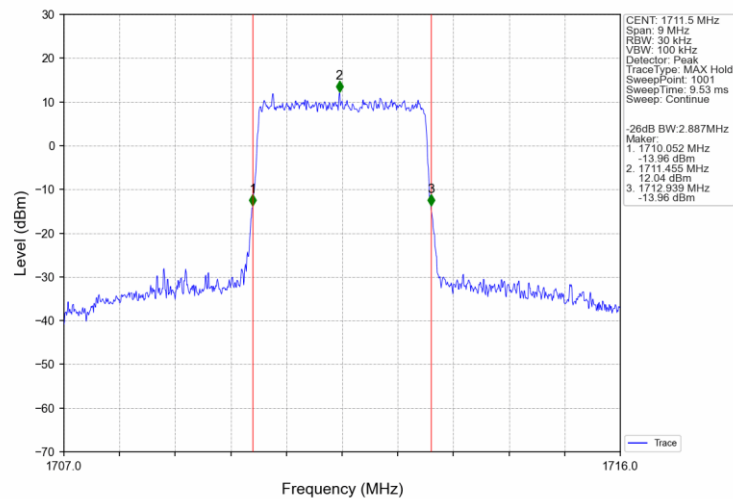
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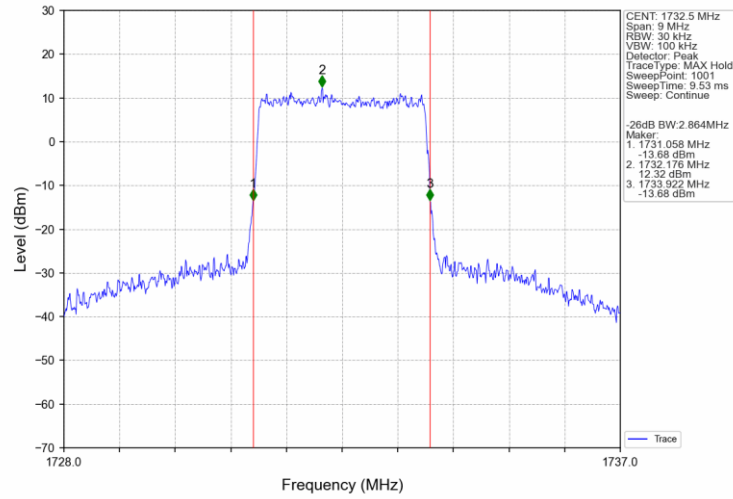
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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

