

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	22.46	-4.27	18.19	<=30	Pass
			2	22.50	-4.27	18.23	<=30	Pass
			5	22.48	-4.27	18.21	<=30	Pass
		3	0	22.52	-4.27	18.25	<=30	Pass
			2	22.54	-4.27	18.27	<=30	Pass
			3	22.54	-4.27	18.27	<=30	Pass
		6	0	21.51	-4.27	17.24	<=30	Pass
	1732.5	1	0	22.04	-4.27	17.77	<=30	Pass
			2	22.07	-4.27	17.80	<=30	Pass
			5	22.09	-4.27	17.82	<=30	Pass
		3	0	22.61	-4.27	18.34	<=30	Pass
			2	22.58	-4.27	18.31	<=30	Pass
			3	22.58	-4.27	18.31	<=30	Pass
		6	0	21.64	-4.27	17.37	<=30	Pass
	1754.3	1	0	21.86	-4.27	17.59	<=30	Pass
			2	21.82	-4.27	17.55	<=30	Pass
			5	21.83	-4.27	17.56	<=30	Pass
		3	0	22.41	-4.27	18.14	<=30	Pass
			2	22.41	-4.27	18.14	<=30	Pass
			3	22.39	-4.27	18.12	<=30	Pass
16QAM	1710.7	1	0	21.13	-4.27	16.86	<=30	Pass
			2	21.01	-4.27	16.74	<=30	Pass
			5	21.07	-4.27	16.80	<=30	Pass
		3	0	21.53	-4.27	17.26	<=30	Pass
			2	21.51	-4.27	17.24	<=30	Pass
			3	21.54	-4.27	17.27	<=30	Pass
		6	0	20.42	-4.27	16.15	<=30	Pass
	1732.5	1	0	21.27	-4.27	17.00	<=30	Pass
			2	21.29	-4.27	17.02	<=30	Pass
			5	21.29	-4.27	17.02	<=30	Pass
		3	0	21.59	-4.27	17.32	<=30	Pass
			2	21.55	-4.27	17.28	<=30	Pass
			3	21.57	-4.27	17.30	<=30	Pass
		6	0	20.66	-4.27	16.39	<=30	Pass
	1754.3	1	0	20.87	-4.27	16.60	<=30	Pass
			2	20.85	-4.27	16.58	<=30	Pass
			5	20.87	-4.27	16.60	<=30	Pass
		3	0	21.54	-4.27	17.27	<=30	Pass
			2	21.59	-4.27	17.32	<=30	Pass
			3	21.55	-4.27	17.28	<=30	Pass
		6	0	20.37	-4.27	16.10	<=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	21.94	-4.27	17.67	<=30	Pass
			7	21.97	-4.27	17.70	<=30	Pass
			14	21.96	-4.27	17.69	<=30	Pass
		8	0	21.48	-4.27	17.21	<=30	Pass
			4	21.47	-4.27	17.20	<=30	Pass
			7	21.49	-4.27	17.22	<=30	Pass
		15	0	21.48	-4.27	17.21	<=30	Pass
	1732.5	1	0	22.04	-4.27	17.77	<=30	Pass
			7	22.02	-4.27	17.75	<=30	Pass
			14	22.02	-4.27	17.75	<=30	Pass
		8	0	21.59	-4.27	17.32	<=30	Pass
			4	21.55	-4.27	17.28	<=30	Pass
			7	21.55	-4.27	17.28	<=30	Pass
		15	0	21.56	-4.27	17.29	<=30	Pass
	1753.5	1	0	21.81	-4.27	17.54	<=30	Pass
			7	21.82	-4.27	17.55	<=30	Pass
			14	21.77	-4.27	17.50	<=30	Pass
		8	0	21.29	-4.27	17.02	<=30	Pass
			4	21.30	-4.27	17.03	<=30	Pass
			7	21.30	-4.27	17.03	<=30	Pass
		15	0	21.31	-4.27	17.04	<=30	Pass
16QAM	1711.5	1	0	21.01	-4.27	16.74	<=30	Pass
			7	21.03	-4.27	16.76	<=30	Pass
			14	20.98	-4.27	16.71	<=30	Pass
		8	0	20.54	-4.27	16.27	<=30	Pass
			4	20.56	-4.27	16.29	<=30	Pass
			7	20.55	-4.27	16.28	<=30	Pass
		15	0	20.52	-4.27	16.25	<=30	Pass
	1732.5	1	0	21.29	-4.27	17.02	<=30	Pass
			7	21.28	-4.27	17.01	<=30	Pass
			14	21.24	-4.27	16.97	<=30	Pass
		8	0	20.56	-4.27	16.29	<=30	Pass
			4	20.52	-4.27	16.25	<=30	Pass
			7	20.51	-4.27	16.24	<=30	Pass
		15	0	20.49	-4.27	16.22	<=30	Pass
	1753.5	1	0	21.44	-4.27	17.17	<=30	Pass
			7	21.42	-4.27	17.15	<=30	Pass
			14	21.36	-4.27	17.09	<=30	Pass
		8	0	20.49	-4.27	16.22	<=30	Pass
			4	20.48	-4.27	16.21	<=30	Pass
			7	20.48	-4.27	16.21	<=30	Pass
		15	0	20.38	-4.27	16.11	<=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	22.07	-4.27	17.80	<=30	Pass
			13	21.99	-4.27	17.72	<=30	Pass
			24	22.08	-4.27	17.81	<=30	Pass
		12	0	21.50	-4.27	17.23	<=30	Pass
			6	21.50	-4.27	17.23	<=30	Pass
			13	21.51	-4.27	17.24	<=30	Pass
		25	0	21.51	-4.27	17.24	<=30	Pass
	1732.5	1	0	22.12	-4.27	17.85	<=30	Pass
			13	22.06	-4.27	17.79	<=30	Pass

16QAM	1752.5	12	24	22.13	-4.27	17.86	<=30	Pass
			0	21.63	-4.27	17.36	<=30	Pass
			6	21.59	-4.27	17.32	<=30	Pass
			13	21.56	-4.27	17.29	<=30	Pass
		25	0	21.62	-4.27	17.35	<=30	Pass
			0	22.00	-4.27	17.73	<=30	Pass
			13	21.97	-4.27	17.70	<=30	Pass
			24	21.99	-4.27	17.72	<=30	Pass
		12	0	21.34	-4.27	17.07	<=30	Pass
			6	21.35	-4.27	17.08	<=30	Pass
			13	21.34	-4.27	17.07	<=30	Pass
			0	21.37	-4.27	17.10	<=30	Pass
	1712.5	1	0	21.18	-4.27	16.91	<=30	Pass
			13	21.09	-4.27	16.82	<=30	Pass
			24	21.16	-4.27	16.89	<=30	Pass
			0	20.45	-4.27	16.18	<=30	Pass
		12	6	20.46	-4.27	16.19	<=30	Pass
			13	20.47	-4.27	16.20	<=30	Pass
			0	20.53	-4.27	16.26	<=30	Pass
			0	20.53	-4.27	16.26	<=30	Pass
		1	0	21.42	-4.27	17.15	<=30	Pass
			13	21.33	-4.27	17.06	<=30	Pass
			24	21.40	-4.27	17.13	<=30	Pass
			0	20.68	-4.27	16.41	<=30	Pass
	1732.5	12	6	20.62	-4.27	16.35	<=30	Pass
			13	20.57	-4.27	16.30	<=30	Pass
			0	20.61	-4.27	16.34	<=30	Pass
			0	20.61	-4.27	16.34	<=30	Pass
		25	0	20.80	-4.27	16.53	<=30	Pass
			13	20.71	-4.27	16.44	<=30	Pass
			24	20.73	-4.27	16.46	<=30	Pass
			0	20.32	-4.27	16.05	<=30	Pass
		12	6	20.34	-4.27	16.07	<=30	Pass
			13	20.35	-4.27	16.08	<=30	Pass
			0	20.38	-4.27	16.11	<=30	Pass
			0	20.38	-4.27	16.11	<=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	21.96	-4.27	17.69	<=30	Pass
			25	21.99	-4.27	17.72	<=30	Pass
			49	22.04	-4.27	17.77	<=30	Pass
		25	0	21.48	-4.27	17.21	<=30	Pass
			13	21.54	-4.27	17.27	<=30	Pass
			25	21.66	-4.27	17.39	<=30	Pass
		50	0	21.59	-4.27	17.32	<=30	Pass
			0	22.03	-4.27	17.76	<=30	Pass
			25	22.09	-4.27	17.82	<=30	Pass
		1	49	22.06	-4.27	17.79	<=30	Pass
			0	21.61	-4.27	17.34	<=30	Pass
			13	21.63	-4.27	17.36	<=30	Pass
	1732.5	25	25	21.55	-4.27	17.28	<=30	Pass
			0	21.59	-4.27	17.32	<=30	Pass
			0	21.59	-4.27	17.32	<=30	Pass
		50	0	21.87	-4.27	17.60	<=30	Pass
			25	21.81	-4.27	17.54	<=30	Pass
			49	21.79	-4.27	17.52	<=30	Pass
		1	0	21.34	-4.27	17.07	<=30	Pass
			0	21.34	-4.27	17.07	<=30	Pass
			0	21.34	-4.27	17.07	<=30	Pass
		25	0	21.34	-4.27	17.07	<=30	Pass
			0	21.34	-4.27	17.07	<=30	Pass
			0	21.34	-4.27	17.07	<=30	Pass

16QAM	1715	50	13	21.34	-4.27	17.07	<=30	Pass
			25	21.39	-4.27	17.12	<=30	Pass
			0	21.41	-4.27	17.14	<=30	Pass
		1	0	21.02	-4.27	16.75	<=30	Pass
			25	21.01	-4.27	16.74	<=30	Pass
			49	21.09	-4.27	16.82	<=30	Pass
		25	0	20.54	-4.27	16.27	<=30	Pass
			13	20.60	-4.27	16.33	<=30	Pass
			25	20.73	-4.27	16.46	<=30	Pass
		50	0	20.59	-4.27	16.32	<=30	Pass
	1732.5	1	0	21.24	-4.27	16.97	<=30	Pass
			25	21.29	-4.27	17.02	<=30	Pass
			49	21.28	-4.27	17.01	<=30	Pass
		25	0	20.63	-4.27	16.36	<=30	Pass
			13	20.64	-4.27	16.37	<=30	Pass
			25	20.56	-4.27	16.29	<=30	Pass
		50	0	20.57	-4.27	16.30	<=30	Pass
	1750	1	0	21.45	-4.27	17.18	<=30	Pass
			25	21.38	-4.27	17.11	<=30	Pass
			49	21.37	-4.27	17.10	<=30	Pass
		25	0	20.38	-4.27	16.11	<=30	Pass
			13	20.38	-4.27	16.11	<=30	Pass
			25	20.45	-4.27	16.18	<=30	Pass
		50	0	20.40	-4.27	16.13	<=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	21.85	-4.27	17.58	<=30	Pass
			38	21.92	-4.27	17.65	<=30	Pass
			74	21.92	-4.27	17.65	<=30	Pass
		36	0	21.36	-4.27	17.09	<=30	Pass
			18	21.45	-4.27	17.18	<=30	Pass
			39	21.59	-4.27	17.32	<=30	Pass
		75	0	21.51	-4.27	17.24	<=30	Pass
	1732.5	1	0	21.93	-4.27	17.66	<=30	Pass
			38	22.03	-4.27	17.76	<=30	Pass
			74	21.96	-4.27	17.69	<=30	Pass
		36	0	21.54	-4.27	17.27	<=30	Pass
			18	21.55	-4.27	17.28	<=30	Pass
			39	21.53	-4.27	17.26	<=30	Pass
		75	0	21.53	-4.27	17.26	<=30	Pass
	1747.5	1	0	21.86	-4.27	17.59	<=30	Pass
			38	21.88	-4.27	17.61	<=30	Pass
			74	21.71	-4.27	17.44	<=30	Pass
		36	0	21.38	-4.27	17.11	<=30	Pass
			18	21.38	-4.27	17.11	<=30	Pass
			39	21.36	-4.27	17.09	<=30	Pass
		75	0	21.41	-4.27	17.14	<=30	Pass
16QAM	1717.5	1	0	21.30	-4.27	17.03	<=30	Pass
			38	21.35	-4.27	17.08	<=30	Pass
			74	21.39	-4.27	17.12	<=30	Pass
		36	0	20.37	-4.27	16.10	<=30	Pass
			18	20.45	-4.27	16.18	<=30	Pass
			39	20.57	-4.27	16.30	<=30	Pass

	1732.5	75	0	20.53	-4.27	16.26	<=30	Pass
		1	0	21.16	-4.27	16.89	<=30	Pass
			38	21.25	-4.27	16.98	<=30	Pass
			74	21.15	-4.27	16.88	<=30	Pass
		36	0	20.59	-4.27	16.32	<=30	Pass
			18	20.57	-4.27	16.30	<=30	Pass
			39	20.54	-4.27	16.27	<=30	Pass
		75	0	20.55	-4.27	16.28	<=30	Pass
	1747.5	1	0	21.46	-4.27	17.19	<=30	Pass
			38	21.47	-4.27	17.20	<=30	Pass
			74	21.30	-4.27	17.03	<=30	Pass
		36	0	20.41	-4.27	16.14	<=30	Pass
			18	20.36	-4.27	16.09	<=30	Pass
			39	20.39	-4.27	16.12	<=30	Pass
		75	0	20.41	-4.27	16.14	<=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	21.86	-4.27	17.59	<=30	Pass
			50	21.97	-4.27	17.70	<=30	Pass
			99	21.96	-4.27	17.69	<=30	Pass
		50	0	21.30	-4.27	17.03	<=30	Pass
			25	21.56	-4.27	17.29	<=30	Pass
			50	21.71	-4.27	17.44	<=30	Pass
		100	0	21.54	-4.27	17.27	<=30	Pass
	1732.5	1	0	21.94	-4.27	17.67	<=30	Pass
			50	22.07	-4.27	17.80	<=30	Pass
			99	21.89	-4.27	17.62	<=30	Pass
		50	0	21.51	-4.27	17.24	<=30	Pass
			25	21.59	-4.27	17.32	<=30	Pass
			50	21.48	-4.27	17.21	<=30	Pass
		100	0	21.48	-4.27	17.21	<=30	Pass
	1745	1	0	21.94	-4.27	17.67	<=30	Pass
			50	21.96	-4.27	17.69	<=30	Pass
			99	21.73	-4.27	17.46	<=30	Pass
		50	0	21.49	-4.27	17.22	<=30	Pass
			25	21.45	-4.27	17.18	<=30	Pass
			50	21.44	-4.27	17.17	<=30	Pass
		100	0	21.45	-4.27	17.18	<=30	Pass
16QAM	1720	1	0	21.44	-4.27	17.17	<=30	Pass
			50	21.56	-4.27	17.29	<=30	Pass
			99	21.63	-4.27	17.36	<=30	Pass
		50	0	20.26	-4.27	15.99	<=30	Pass
			25	20.50	-4.27	16.23	<=30	Pass
			50	20.68	-4.27	16.41	<=30	Pass
		100	0	20.50	-4.27	16.23	<=30	Pass
	1732.5	1	0	21.21	-4.27	16.94	<=30	Pass
			50	21.30	-4.27	17.03	<=30	Pass
			99	21.12	-4.27	16.85	<=30	Pass
		50	0	20.47	-4.27	16.20	<=30	Pass
			25	20.54	-4.27	16.27	<=30	Pass
			50	20.46	-4.27	16.19	<=30	Pass
		100	0	20.47	-4.27	16.20	<=30	Pass
	1745	1	0	21.26	-4.27	16.99	<=30	Pass

			50	21.25	-4.27	16.98	<=30	Pass
			99	21.01	-4.27	16.74	<=30	Pass
		50	0	20.46	-4.27	16.19	<=30	Pass
			25	20.43	-4.27	16.16	<=30	Pass
			50	20.40	-4.27	16.13	<=30	Pass
		100	0	20.46	-4.27	16.19	<=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	2.832	0.0017	-2.5 to 2.5	Pass
					3.85	7.997	0.0047	-2.5 to 2.5	Pass
					4.43	0.000	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.817	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				10	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				40	3.85	7.825	0.0046	-2.5 to 2.5	Pass
				50	3.85	11.258	0.0066	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-0.215	-0.0001	-2.5 to 2.5	Pass
					3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	5.050	0.0029	-2.5 to 2.5	Pass
				-10	3.85	4.606	0.0027	-2.5 to 2.5	Pass
				0	3.85	6.237	0.0036	-2.5 to 2.5	Pass
				10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				30	3.85	6.266	0.0036	-2.5 to 2.5	Pass
				40	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				50	3.85	7.238	0.0042	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	4.606	0.0026	-2.5 to 2.5	Pass
					3.85	-6.166	-0.0035	-2.5 to 2.5	Pass
					4.43	2.117	0.0012	-2.5 to 2.5	Pass
				-30	3.85	3.476	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	7.582	0.0043	-2.5 to 2.5	Pass
				0	3.85	2.460	0.0014	-2.5 to 2.5	Pass
				10	3.85	-5.808	-0.0033	-2.5 to 2.5	Pass
				30	3.85	5.608	0.0032	-2.5 to 2.5	Pass
				40	3.85	9.470	0.0054	-2.5 to 2.5	Pass
				50	3.85	3.433	0.0020	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	1.888	0.0011	-2.5 to 2.5	Pass
					3.85	4.950	0.0029	-2.5 to 2.5	Pass
					4.43	8.569	0.0050	-2.5 to 2.5	Pass
				-30	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				-10	3.85	3.290	0.0019	-2.5 to 2.5	Pass

				0	3.85	1.645	0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.429	-0.0003	-2.5 to 2.5	Pass
				30	3.85	3.462	0.0020	-2.5 to 2.5	Pass
				40	3.85	2.704	0.0016	-2.5 to 2.5	Pass
				50	3.85	4.706	0.0028	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	4.277	0.0025	-2.5 to 2.5	Pass
					3.85	13.847	0.0080	-2.5 to 2.5	Pass
					4.43	1.702	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				10	3.85	9.785	0.0056	-2.5 to 2.5	Pass
				30	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				40	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				50	3.85	5.765	0.0033	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	0.029	0.0000	-2.5 to 2.5	Pass
					3.85	9.341	0.0053	-2.5 to 2.5	Pass
					4.43	3.047	0.0017	-2.5 to 2.5	Pass
				-30	3.85	5.336	0.0030	-2.5 to 2.5	Pass
				-20	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	8.612	0.0049	-2.5 to 2.5	Pass
				0	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				10	3.85	3.991	0.0023	-2.5 to 2.5	Pass
				30	3.85	2.804	0.0016	-2.5 to 2.5	Pass
				40	3.85	6.566	0.0037	-2.5 to 2.5	Pass
				50	3.85	-11.544	-0.0066	-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	-5.779	-0.0034	-2.5 to 2.5	Pass
					3.85	-0.601	-0.0004	-2.5 to 2.5	Pass
					4.43	2.961	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				-10	3.85	5.794	0.0034	-2.5 to 2.5	Pass
				0	3.85	3.276	0.0019	-2.5 to 2.5	Pass
				10	3.85	2.961	0.0017	-2.5 to 2.5	Pass
				30	3.85	6.909	0.0040	-2.5 to 2.5	Pass
				40	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				50	3.85	5.064	0.0030	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	7.224	0.0042	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
					4.43	-3.004	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				0	3.85	3.676	0.0021	-2.5 to 2.5	Pass
				10	3.85	3.533	0.0020	-2.5 to 2.5	Pass
				30	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				40	3.85	4.063	0.0023	-2.5 to 2.5	Pass
				50	3.85	13.390	0.0077	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	12.360	0.0070	-2.5 to 2.5	Pass
					3.85	6.595	0.0038	-2.5 to 2.5	Pass
					4.43	-0.486	-0.0003	-2.5 to 2.5	Pass

				-30	3.85	9.041	0.0052	-2.5 to 2.5	Pass
				-20	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				30	3.85	2.675	0.0015	-2.5 to 2.5	Pass
				40	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				50	3.85	5.236	0.0030	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-1.602	-0.0009	-2.5 to 2.5	Pass
					3.85	6.809	0.0040	-2.5 to 2.5	Pass
					4.43	-1.473	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	2.346	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	5.980	0.0035	-2.5 to 2.5	Pass
				0	3.85	8.411	0.0049	-2.5 to 2.5	Pass
				10	3.85	5.136	0.0030	-2.5 to 2.5	Pass
				30	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				50	3.85	4.020	0.0023	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	8.583	0.0050	-2.5 to 2.5	Pass
					3.85	14.634	0.0084	-2.5 to 2.5	Pass
					4.43	4.320	0.0025	-2.5 to 2.5	Pass
				-30	3.85	5.407	0.0031	-2.5 to 2.5	Pass
				-20	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	4.478	0.0026	-2.5 to 2.5	Pass
				0	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				10	3.85	4.807	0.0028	-2.5 to 2.5	Pass
				30	3.85	5.937	0.0034	-2.5 to 2.5	Pass
				40	3.85	4.163	0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-3.276	-0.0019	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
					4.43	-5.994	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	13.332	0.0076	-2.5 to 2.5	Pass
				-20	3.85	5.207	0.0030	-2.5 to 2.5	Pass
				-10	3.85	-7.138	-0.0041	-2.5 to 2.5	Pass
				0	3.85	11.415	0.0065	-2.5 to 2.5	Pass
				10	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				30	3.85	4.392	0.0025	-2.5 to 2.5	Pass
				40	3.85	-5.336	-0.0030	-2.5 to 2.5	Pass
				50	3.85	2.217	0.0013	-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	6.638	0.0039	-2.5 to 2.5	Pass
					3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
					4.43	5.879	0.0034	-2.5 to 2.5	Pass
				-30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	7.310	0.0043	-2.5 to 2.5	Pass
				0	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				10	3.85	2.518	0.0015	-2.5 to 2.5	Pass
				30	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				40	3.85	5.050	0.0029	-2.5 to 2.5	Pass
				50	3.85	4.520	0.0026	-2.5 to 2.5	Pass

	1732.5	25	0	20	3.27	0.000	0.0000	-2.5 to 2.5	Pass
					3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
					4.43	-0.658	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
				0	3.85	5.350	0.0031	-2.5 to 2.5	Pass
				10	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				30	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
				50	3.85	0.615	0.0004	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-1.516	-0.0009	-2.5 to 2.5	Pass
					3.85	1.702	0.0010	-2.5 to 2.5	Pass
					4.43	2.589	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.303	0.0013	-2.5 to 2.5	Pass
				10	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				30	3.85	5.479	0.0031	-2.5 to 2.5	Pass
				40	3.85	2.546	0.0015	-2.5 to 2.5	Pass
				50	3.85	3.247	0.0019	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	6.752	0.0039	-2.5 to 2.5	Pass
					3.85	7.095	0.0041	-2.5 to 2.5	Pass
					4.43	9.727	0.0057	-2.5 to 2.5	Pass
				-30	3.85	4.721	0.0028	-2.5 to 2.5	Pass
				-20	3.85	2.375	0.0014	-2.5 to 2.5	Pass
				-10	3.85	5.107	0.0030	-2.5 to 2.5	Pass
				0	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.988	-0.0012	-2.5 to 2.5	Pass
				50	3.85	2.632	0.0015	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-2.060	-0.0012	-2.5 to 2.5	Pass
					3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	3.548	0.0020	-2.5 to 2.5	Pass
					3.85	0.129	0.0001	-2.5 to 2.5	Pass
					4.43	8.798	0.0050	-2.5 to 2.5	Pass
				-30	3.85	6.967	0.0040	-2.5 to 2.5	Pass
				-20	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				0	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				10	3.85	3.376	0.0019	-2.5 to 2.5	Pass
				30	3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
				40	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.059	-0.0006	-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	-0.787	-0.0005	-2.5 to 2.5	Pass
					3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
					4.43	0.601	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.287	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				10	3.85	3.605	0.0021	-2.5 to 2.5	Pass
				30	3.85	3.033	0.0018	-2.5 to 2.5	Pass
				40	3.85	6.280	0.0037	-2.5 to 2.5	Pass
				50	3.85	5.951	0.0035	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	2.346	0.0014	-2.5 to 2.5	Pass
					3.85	1.044	0.0006	-2.5 to 2.5	Pass
					4.43	3.419	0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				-10	3.85	4.134	0.0024	-2.5 to 2.5	Pass
				0	3.85	4.535	0.0026	-2.5 to 2.5	Pass
				10	3.85	2.160	0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.532	0.0015	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	3.362	0.0019	-2.5 to 2.5	Pass
					3.85	3.762	0.0021	-2.5 to 2.5	Pass
					4.43	3.490	0.0020	-2.5 to 2.5	Pass
				-30	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-20	3.85	4.177	0.0024	-2.5 to 2.5	Pass
				-10	3.85	5.465	0.0031	-2.5 to 2.5	Pass
				0	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				10	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				30	3.85	3.376	0.0019	-2.5 to 2.5	Pass
				40	3.85	4.191	0.0024	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	1.831	0.0011	-2.5 to 2.5	Pass
					3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
					4.43	3.033	0.0018	-2.5 to 2.5	Pass
				-30	3.85	4.478	0.0026	-2.5 to 2.5	Pass
				-20	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				-10	3.85	2.689	0.0016	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				10	3.85	4.907	0.0029	-2.5 to 2.5	Pass
				30	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				40	3.85	3.219	0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	2.918	0.0017	-2.5 to 2.5	Pass
					3.85	3.119	0.0018	-2.5 to 2.5	Pass
					4.43	-0.043	0.0000	-2.5 to 2.5	Pass
				-30	3.85	4.420	0.0026	-2.5 to 2.5	Pass
				-20	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				10	3.85	3.662	0.0021	-2.5 to 2.5	Pass
				30	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				40	3.85	-7.439	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass

	1750	50	0	20	3.27	-0.958	-0.0005	-2.5 to 2.5	Pass
					3.85	1.888	0.0011	-2.5 to 2.5	Pass
					4.43	1.631	0.0009	-2.5 to 2.5	Pass
				-30	3.85	7.024	0.0040	-2.5 to 2.5	Pass
				-20	3.85	1.945	0.0011	-2.5 to 2.5	Pass
				-10	3.85	3.247	0.0019	-2.5 to 2.5	Pass
				0	3.85	2.432	0.0014	-2.5 to 2.5	Pass
				10	3.85	5.708	0.0033	-2.5 to 2.5	Pass
				30	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				40	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.458	-0.0003	-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	5.751	0.0033	-2.5 to 2.5	Pass
					3.85	4.907	0.0029	-2.5 to 2.5	Pass
					4.43	2.990	0.0017	-2.5 to 2.5	Pass
				-30	3.85	3.819	0.0022	-2.5 to 2.5	Pass
				-20	3.85	5.336	0.0031	-2.5 to 2.5	Pass
				-10	3.85	5.736	0.0033	-2.5 to 2.5	Pass
				0	3.85	5.794	0.0034	-2.5 to 2.5	Pass
				10	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				30	3.85	5.951	0.0035	-2.5 to 2.5	Pass
				40	3.85	6.609	0.0038	-2.5 to 2.5	Pass
				50	3.85	3.419	0.0020	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	1.216	0.0007	-2.5 to 2.5	Pass
					3.85	4.249	0.0025	-2.5 to 2.5	Pass
					4.43	1.459	0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				0	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
				10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				50	3.85	1.473	0.0009	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-0.086	0.0000	-2.5 to 2.5	Pass
					3.85	0.372	0.0002	-2.5 to 2.5	Pass
					4.43	-1.202	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-4.592	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				50	3.85	3.476	0.0020	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	1.373	0.0008	-2.5 to 2.5	Pass
					3.85	3.734	0.0022	-2.5 to 2.5	Pass
					4.43	0.629	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.988	0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	4.191	0.0024	-2.5 to 2.5	Pass

				30	3.85	3.533	0.0021	-2.5 to 2.5	Pass
				40	3.85	4.463	0.0026	-2.5 to 2.5	Pass
				50	3.85	0.300	0.0002	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-0.844	-0.0005	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
					4.43	1.345	0.0008	-2.5 to 2.5	Pass
				-30	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				-20	3.85	7.010	0.0040	-2.5 to 2.5	Pass
				-10	3.85	3.791	0.0022	-2.5 to 2.5	Pass
				0	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				10	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				30	3.85	3.748	0.0022	-2.5 to 2.5	Pass
				40	3.85	3.204	0.0018	-2.5 to 2.5	Pass
				50	3.85	2.017	0.0012	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	7.811	0.0045	-2.5 to 2.5	Pass
					3.85	2.446	0.0014	-2.5 to 2.5	Pass
					4.43	3.777	0.0022	-2.5 to 2.5	Pass
				-30	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				-20	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				-10	3.85	4.134	0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				10	3.85	3.147	0.0018	-2.5 to 2.5	Pass
				30	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				40	3.85	2.975	0.0017	-2.5 to 2.5	Pass
				50	3.85	6.351	0.0036	-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	-0.730	-0.0004	-2.5 to 2.5	Pass
					3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
					4.43	0.730	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				10	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				30	3.85	5.121	0.0030	-2.5 to 2.5	Pass
				40	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				50	3.85	1.044	0.0006	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	0.830	0.0005	-2.5 to 2.5	Pass
					3.85	2.761	0.0016	-2.5 to 2.5	Pass
					4.43	3.791	0.0022	-2.5 to 2.5	Pass
				-30	3.85	2.646	0.0015	-2.5 to 2.5	Pass
				-20	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				-10	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.861	0.0017	-2.5 to 2.5	Pass
				10	3.85	3.219	0.0019	-2.5 to 2.5	Pass
				30	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				50	3.85	3.376	0.0019	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	4.349	0.0025	-2.5 to 2.5	Pass
					3.85	4.764	0.0027	-2.5 to 2.5	Pass
					4.43	8.326	0.0048	-2.5 to 2.5	Pass
				-30	3.85	3.405	0.0020	-2.5 to 2.5	Pass
				-20	3.85	2.389	0.0014	-2.5 to 2.5	Pass

16QAM				-10	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				0	3.85	5.765	0.0033	-2.5 to 2.5	Pass
				10	3.85	2.575	0.0015	-2.5 to 2.5	Pass
				30	3.85	5.322	0.0030	-2.5 to 2.5	Pass
				40	3.85	3.748	0.0021	-2.5 to 2.5	Pass
	1720	100	0	50	3.85	5.565	0.0032	-2.5 to 2.5	Pass
				20	3.27	0.644	0.0004	-2.5 to 2.5	Pass
					3.85	0.930	0.0005	-2.5 to 2.5	Pass
					4.43	0.830	0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.489	0.0014	-2.5 to 2.5	Pass
				-20	3.85	1.945	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
	1732.5	100	0	40	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				50	3.85	2.561	0.0015	-2.5 to 2.5	Pass
				20	3.27	-0.043	0.0000	-2.5 to 2.5	Pass
					3.85	-0.014	0.0000	-2.5 to 2.5	Pass
					4.43	-0.973	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	4.478	0.0026	-2.5 to 2.5	Pass
				-20	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
				10	3.85	1.245	0.0007	-2.5 to 2.5	Pass
	1745	100	0	30	3.85	3.076	0.0018	-2.5 to 2.5	Pass
				40	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				50	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				20	3.27	6.752	0.0039	-2.5 to 2.5	Pass
					3.85	4.706	0.0027	-2.5 to 2.5	Pass
					4.43	3.004	0.0017	-2.5 to 2.5	Pass
				-30	3.85	4.120	0.0024	-2.5 to 2.5	Pass
				-20	3.85	4.935	0.0028	-2.5 to 2.5	Pass
				-10	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				0	3.85	5.193	0.0030	-2.5 to 2.5	Pass
				10	3.85	2.875	0.0016	-2.5 to 2.5	Pass
				30	3.85	5.522	0.0032	-2.5 to 2.5	Pass
				40	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				50	3.85	3.519	0.0020	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

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

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

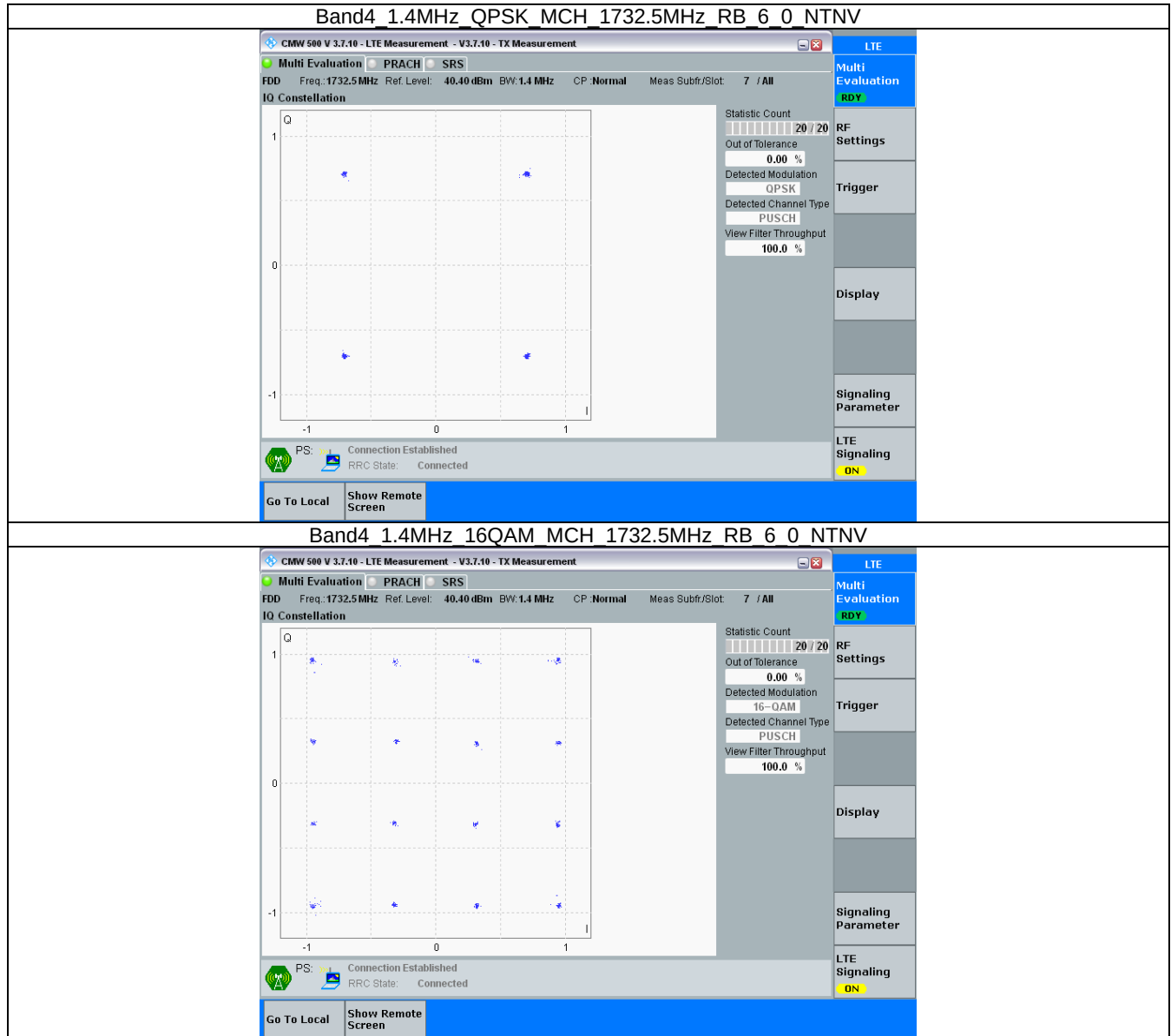
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

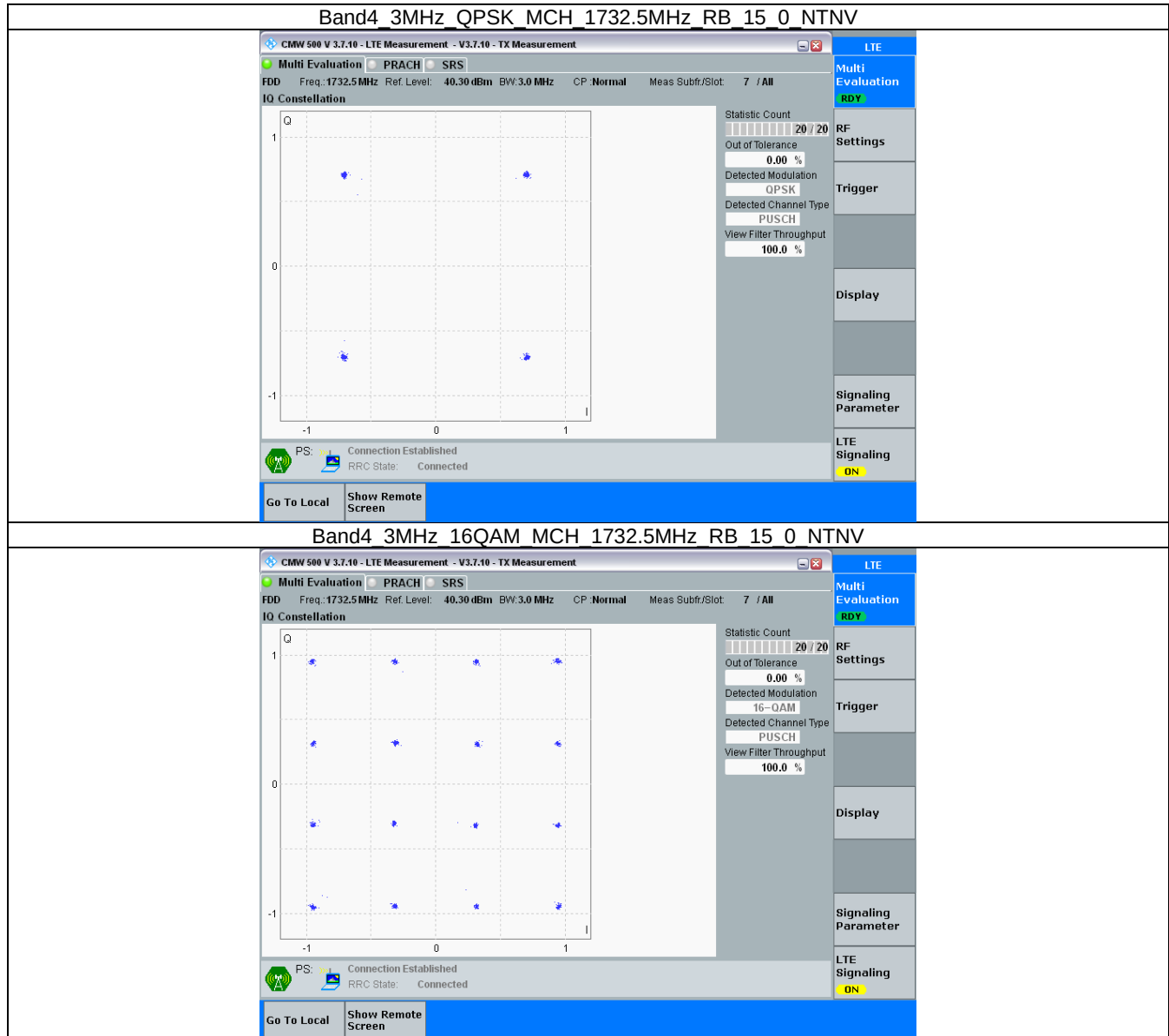
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

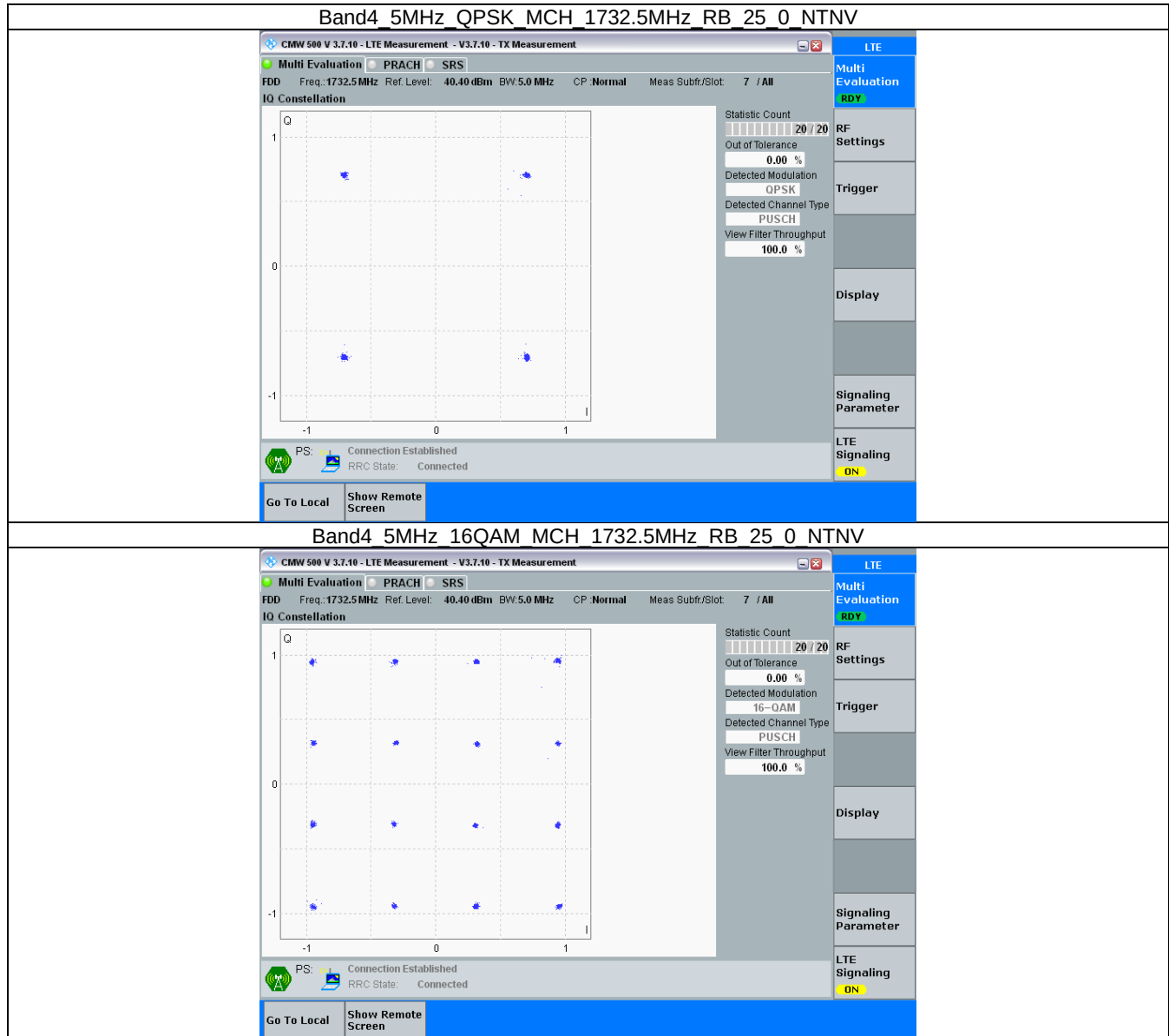
3.2.1 B4_1.4MHz



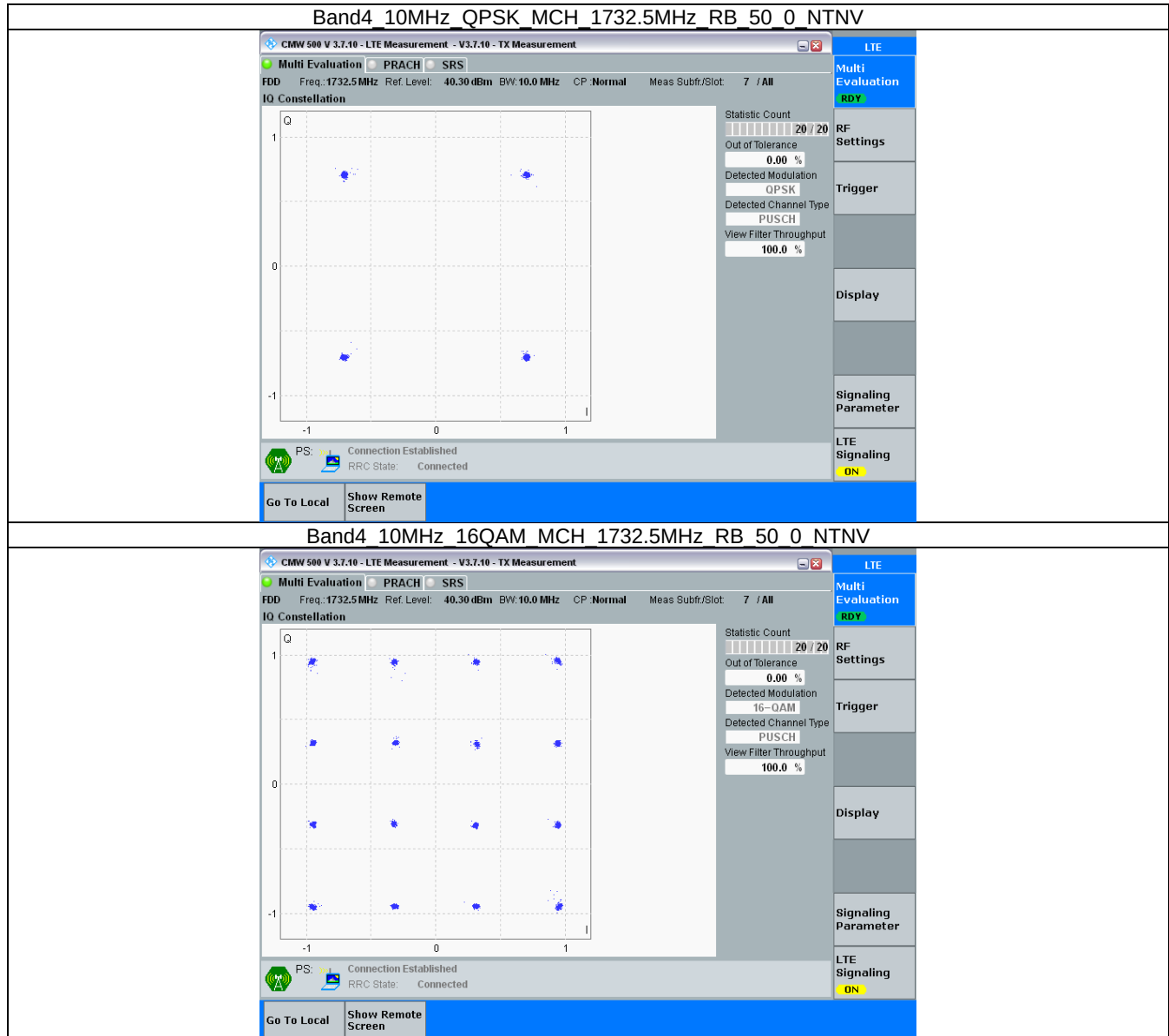
3.2.2 B4_3MHz



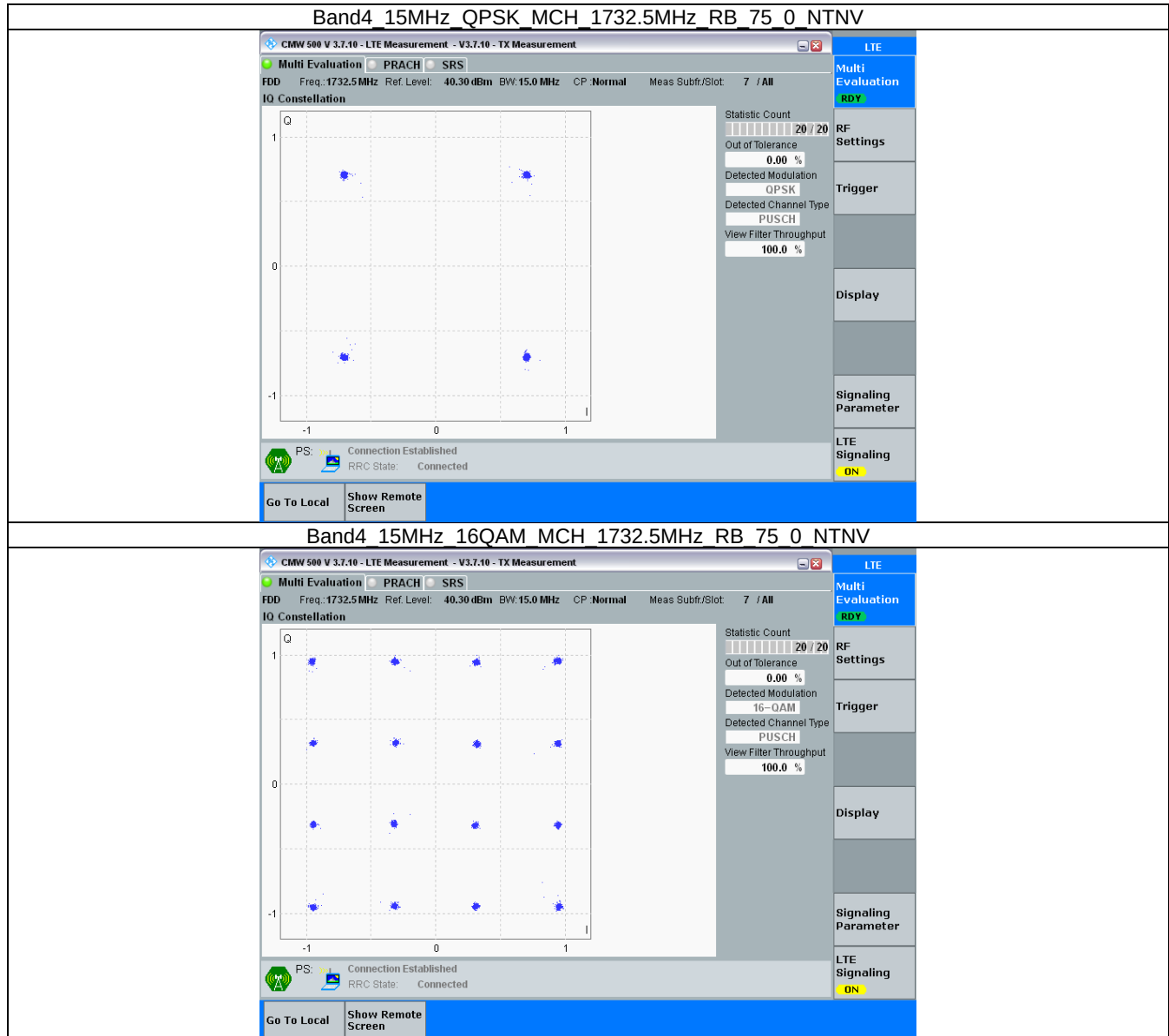
3.2.3 B4_5MHz



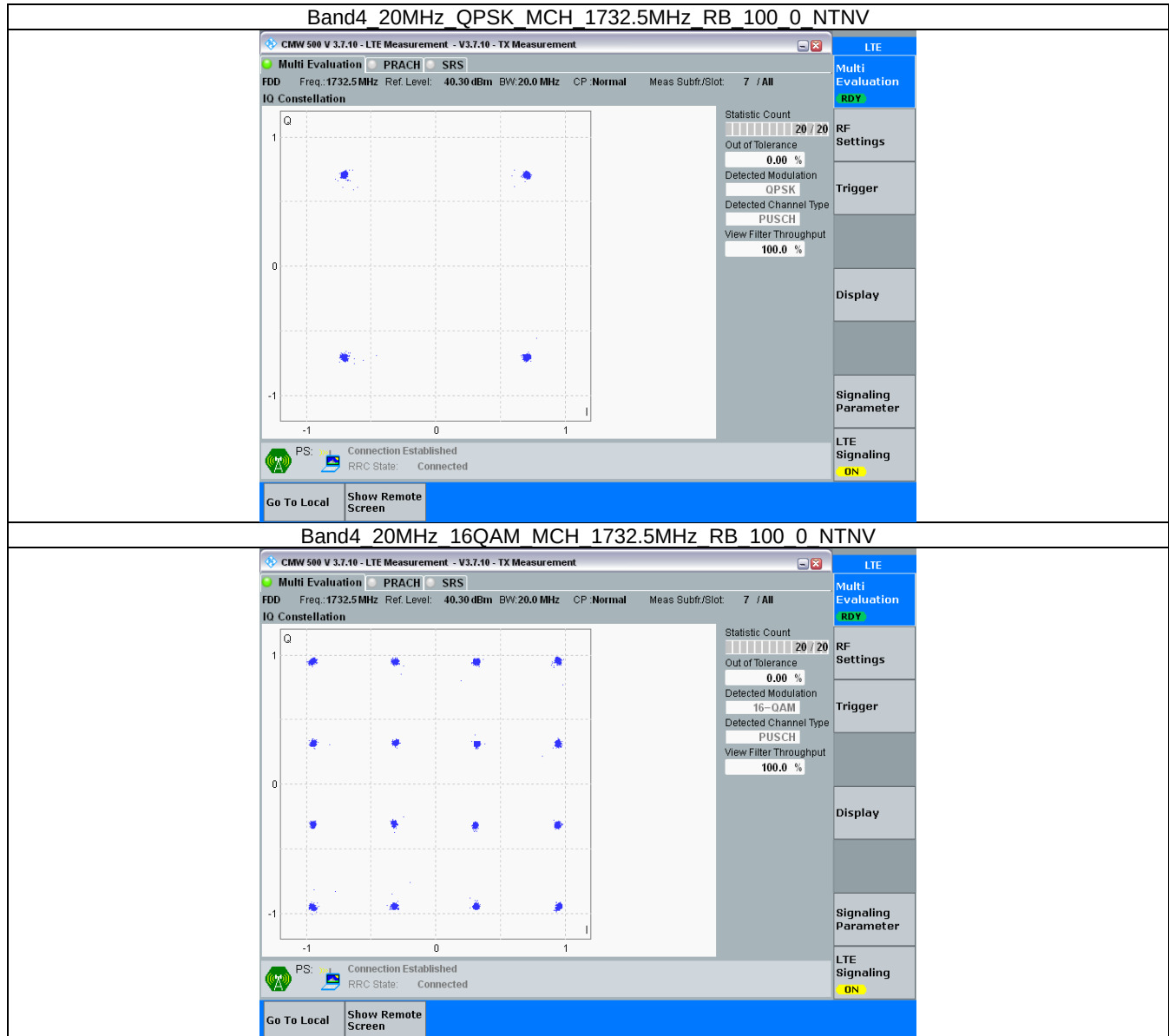
3.2.4 B4_10MHz



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	1.113	/	Pass
		1732.5	6	0	1.102	/	Pass
		1754.3	6	0	1.100	/	Pass
	16QAM	1710.7	6	0	1.111	/	Pass
		1732.5	6	0	1.108	/	Pass
		1754.3	6	0	1.120	/	Pass
3	QPSK	1711.5	15	0	2.738	/	Pass
		1732.5	15	0	2.741	/	Pass
		1753.5	15	0	2.735	/	Pass
	16QAM	1711.5	15	0	2.721	/	Pass
		1732.5	15	0	2.729	/	Pass
		1753.5	15	0	2.736	/	Pass
5	QPSK	1712.5	25	0	4.542	/	Pass
		1732.5	25	0	4.534	/	Pass
		1752.5	25	0	4.564	/	Pass
	16QAM	1712.5	25	0	4.545	/	Pass
		1732.5	25	0	4.544	/	Pass
		1752.5	25	0	4.537	/	Pass
10	QPSK	1715	50	0	9.061	/	Pass
		1732.5	50	0	9.036	/	Pass
		1750	50	0	9.067	/	Pass
	16QAM	1715	50	0	9.062	/	Pass
		1732.5	50	0	9.050	/	Pass
		1750	50	0	9.060	/	Pass
15	QPSK	1717.5	75	0	13.596	/	Pass
		1732.5	75	0	13.545	/	Pass
		1747.5	75	0	13.607	/	Pass
	16QAM	1717.5	75	0	13.570	/	Pass
		1732.5	75	0	13.556	/	Pass
		1747.5	75	0	13.575	/	Pass
20	QPSK	1720	100	0	18.089	/	Pass
		1732.5	100	0	18.059	/	Pass
		1745	100	0	18.125	/	Pass
	16QAM	1720	100	0	18.105	/	Pass
		1732.5	100	0	18.075	/	Pass
		1745	100	0	18.225	/	Pass

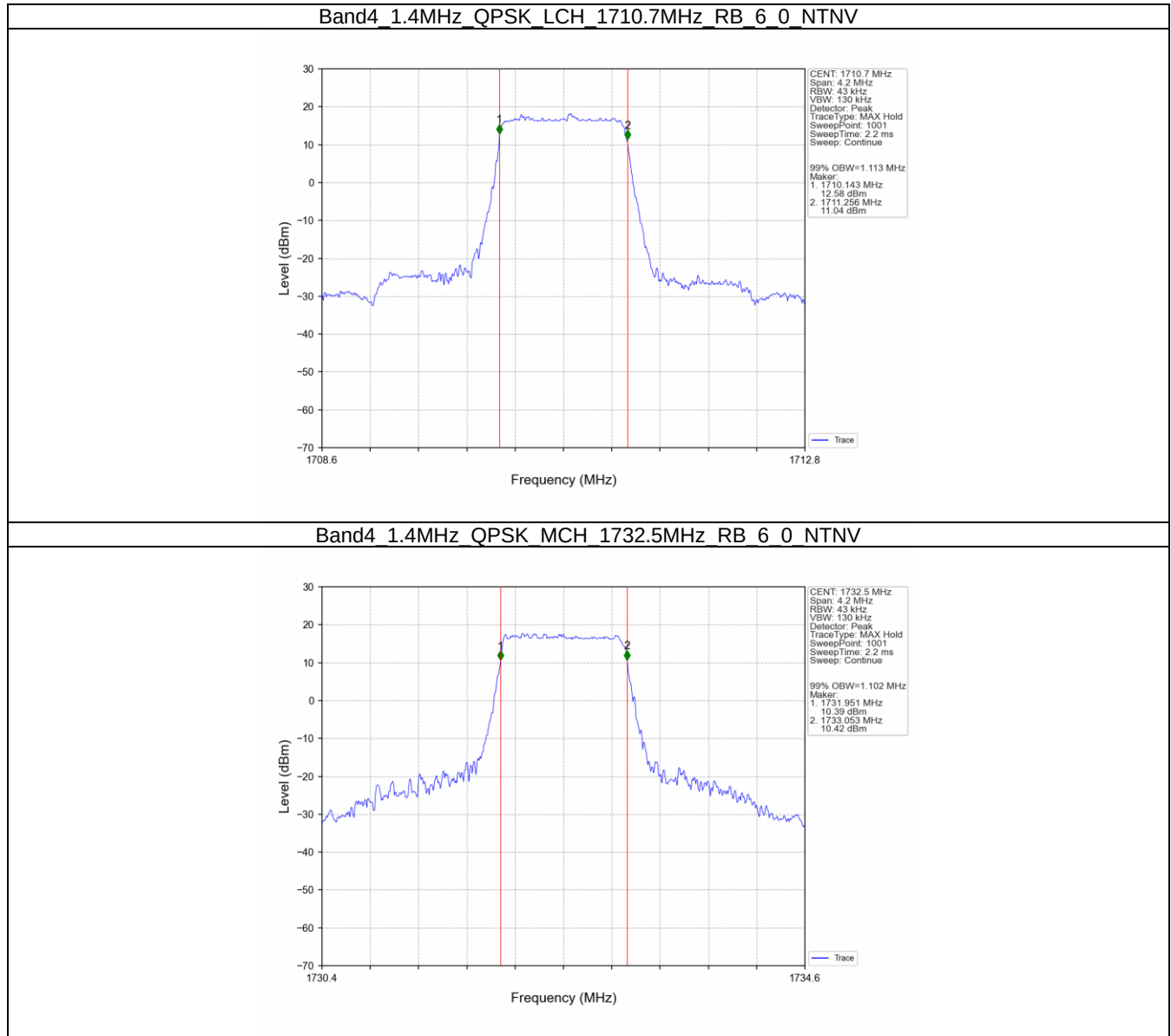
4.1.2 Band4_XDB

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	1.316	/	Pass
		1732.5	6	0	1.337	/	Pass
		1754.3	6	0	1.319	/	Pass

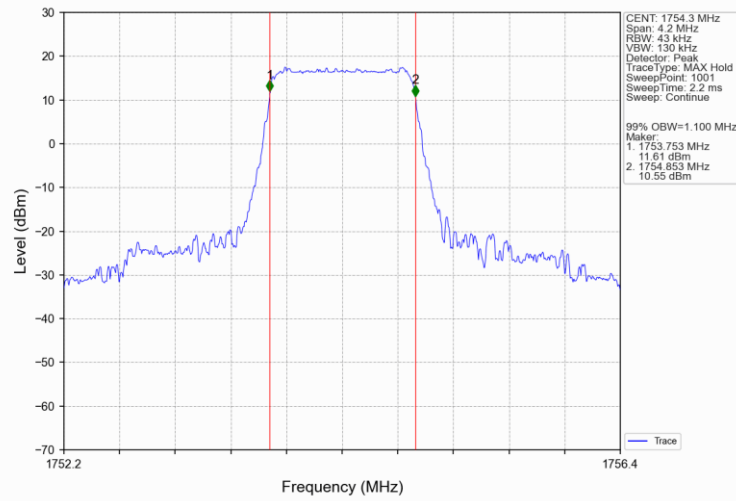
	16QAM	1710.7	6	0	1.321	/	Pass
		1732.5	6	0	1.315	/	Pass
		1754.3	6	0	1.326	/	Pass
3	QPSK	1711.5	15	0	3.028	/	Pass
		1732.5	15	0	3.009	/	Pass
		1753.5	15	0	3.011	/	Pass
	16QAM	1711.5	15	0	3.018	/	Pass
		1732.5	15	0	3.011	/	Pass
		1753.5	15	0	3.026	/	Pass
5	QPSK	1712.5	25	0	5.027	/	Pass
		1732.5	25	0	5.034	/	Pass
		1752.5	25	0	5.012	/	Pass
	16QAM	1712.5	25	0	5.068	/	Pass
		1732.5	25	0	5.052	/	Pass
		1752.5	25	0	5.020	/	Pass
10	QPSK	1715	50	0	9.968	/	Pass
		1732.5	50	0	10.007	/	Pass
		1750	50	0	9.971	/	Pass
	16QAM	1715	50	0	9.931	/	Pass
		1732.5	50	0	9.981	/	Pass
		1750	50	0	9.996	/	Pass
15	QPSK	1717.5	75	0	14.849	/	Pass
		1732.5	75	0	14.827	/	Pass
		1747.5	75	0	15.185	/	Pass
	16QAM	1717.5	75	0	14.787	/	Pass
		1732.5	75	0	14.844	/	Pass
		1747.5	75	0	15.020	/	Pass
20	QPSK	1720	100	0	19.825	/	Pass
		1732.5	100	0	19.675	/	Pass
		1745	100	0	19.712	/	Pass
	16QAM	1720	100	0	19.737	/	Pass
		1732.5	100	0	19.677	/	Pass
		1745	100	0	19.845	/	Pass

4.2 Test Graph

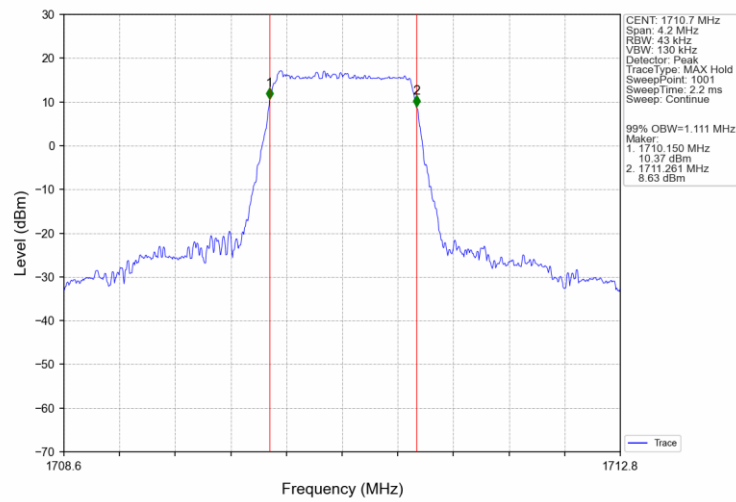
4.2.1 Band4_OBW



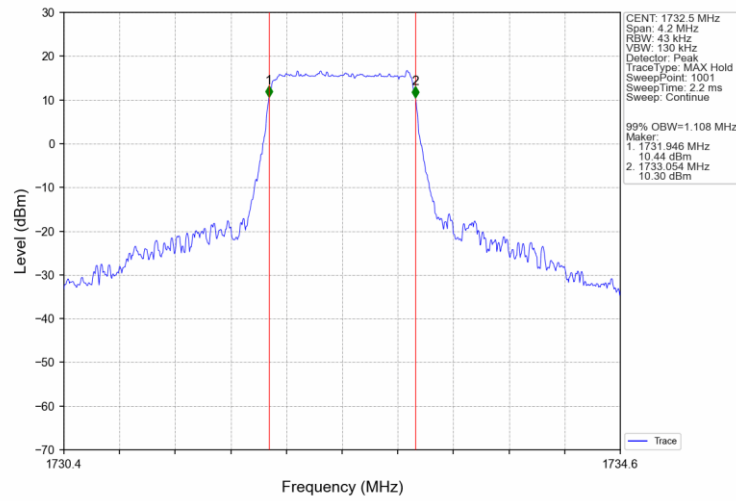
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



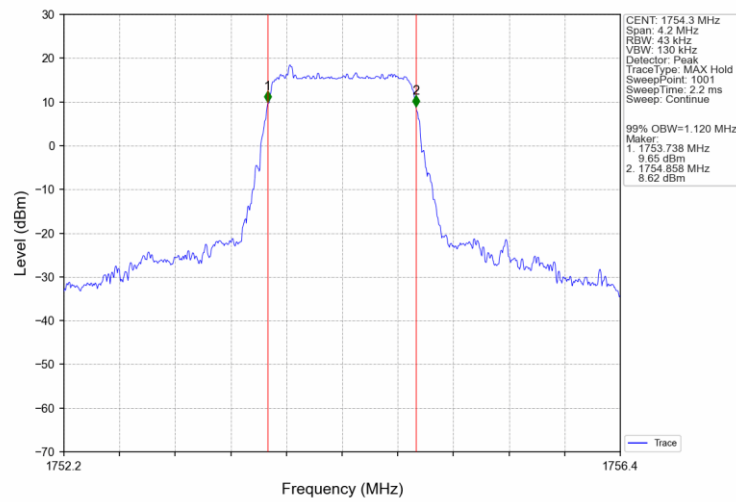
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



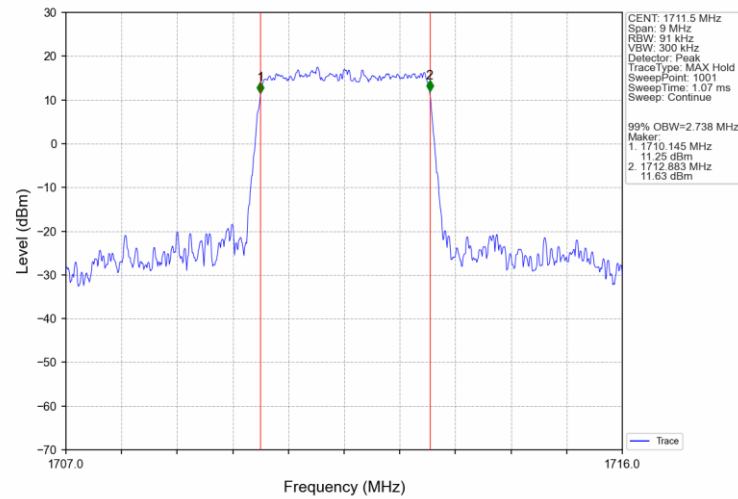
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



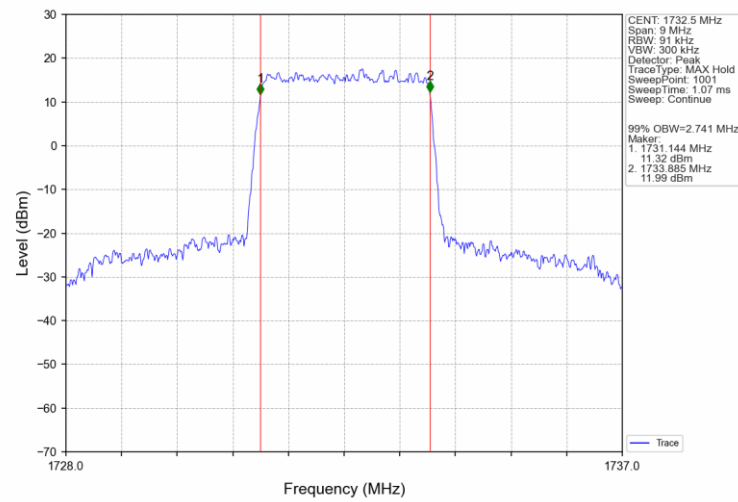
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



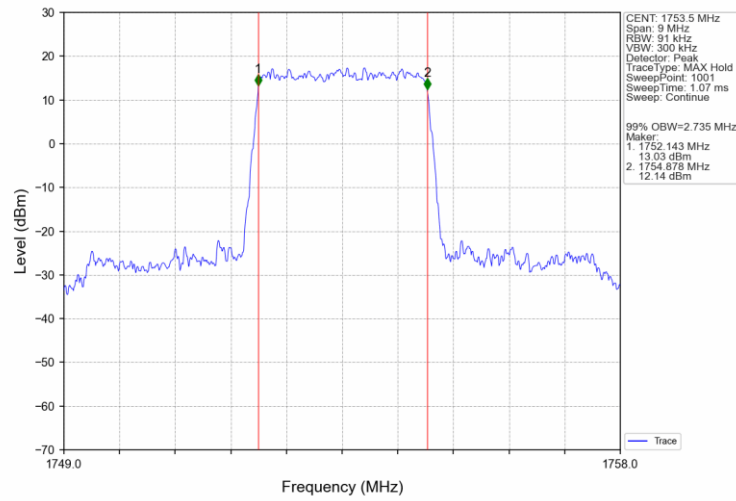
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



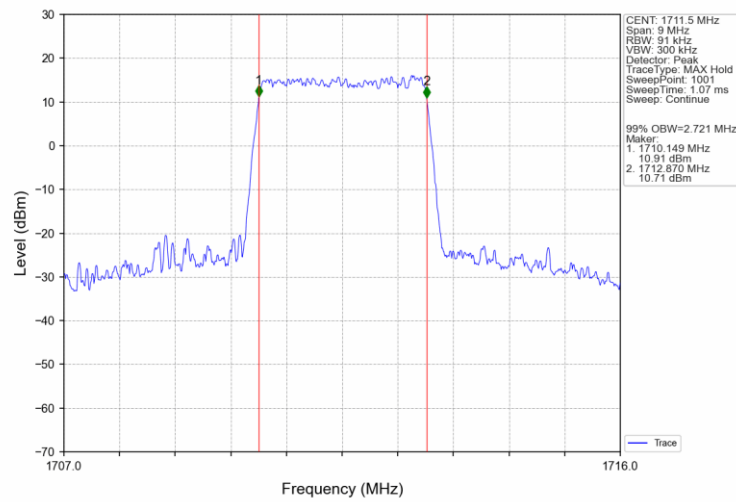
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



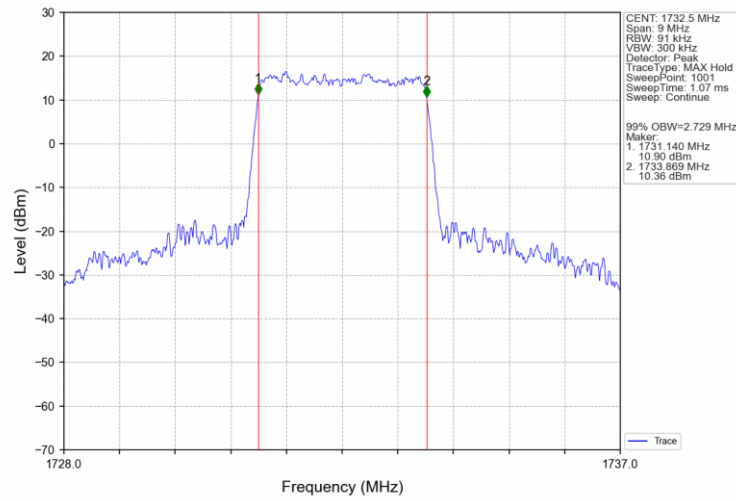
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



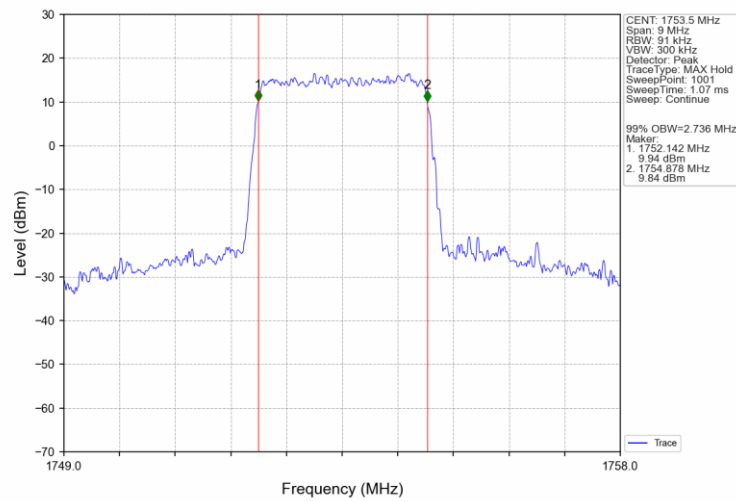
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



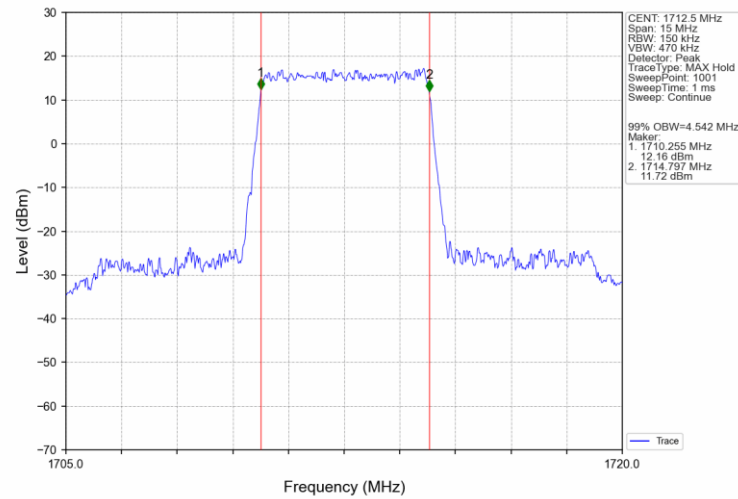
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



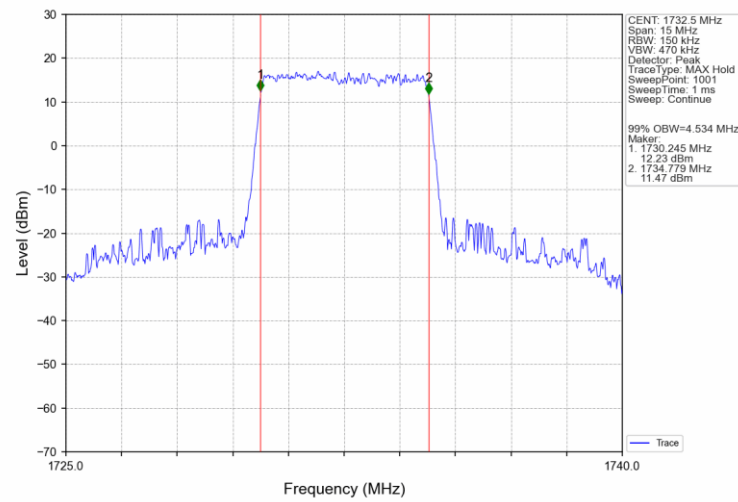
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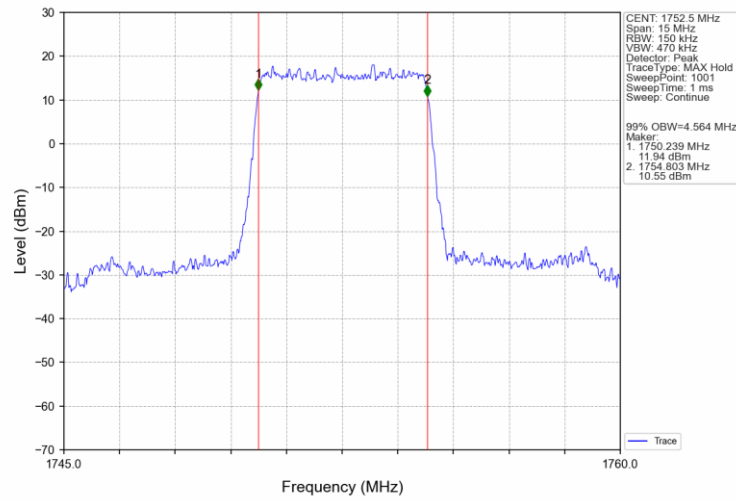
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



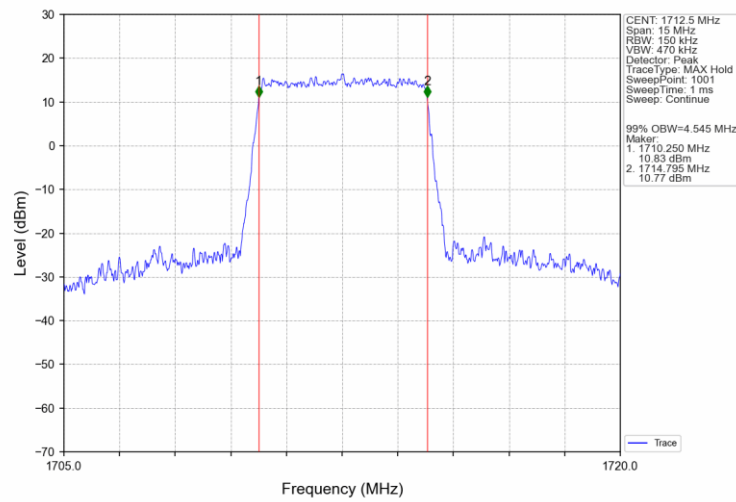
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



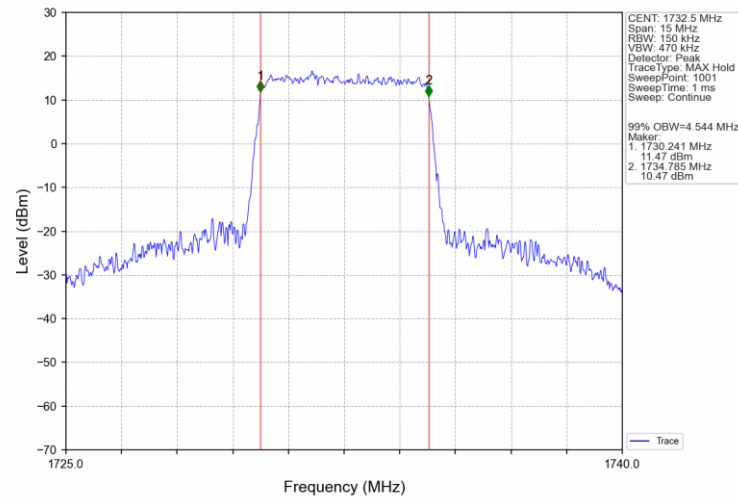
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



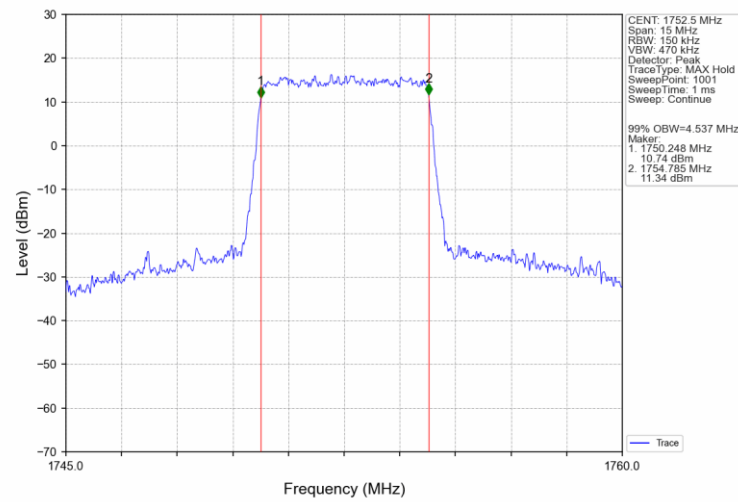
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



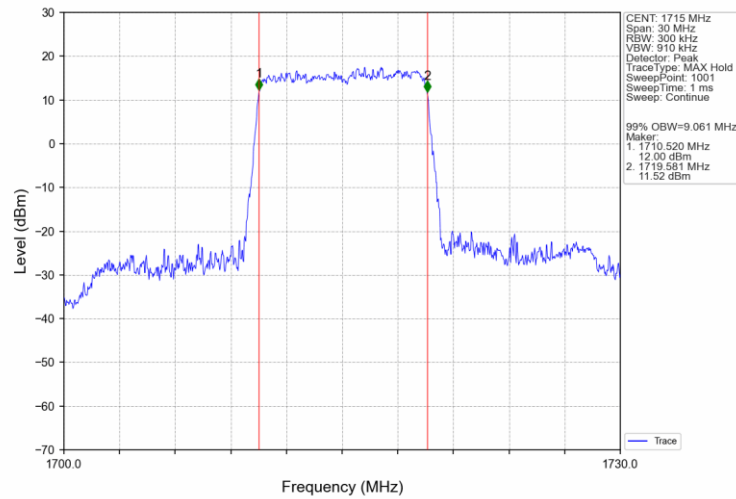
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



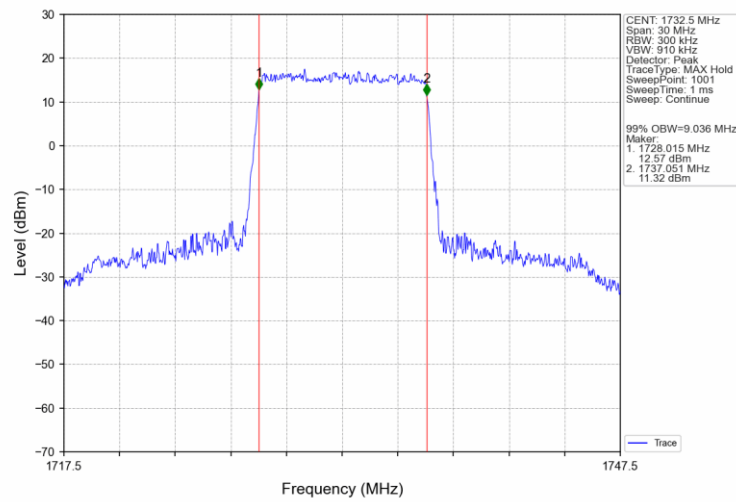
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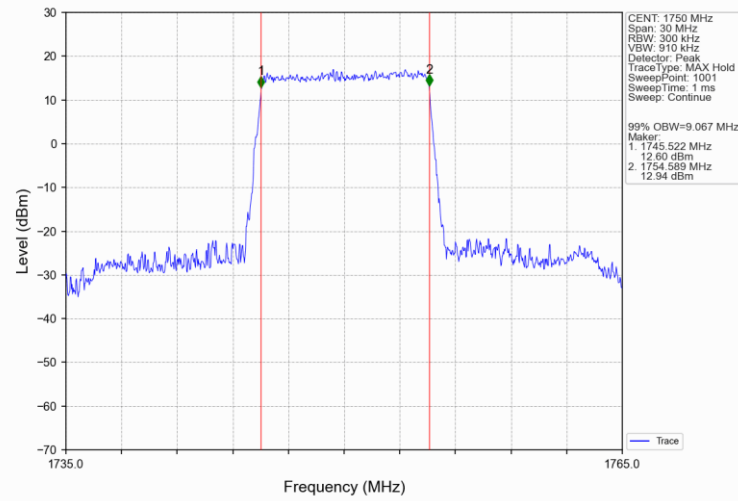
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



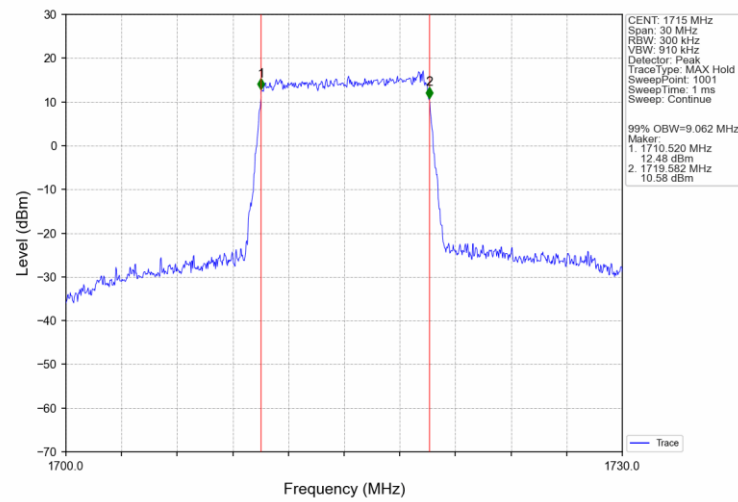
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



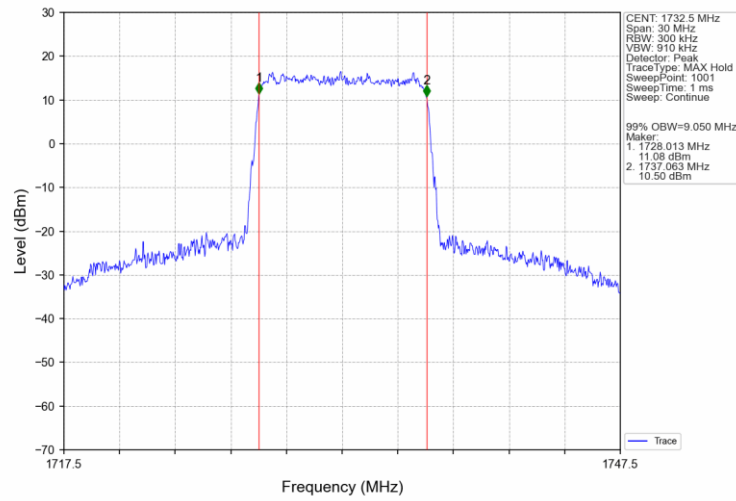
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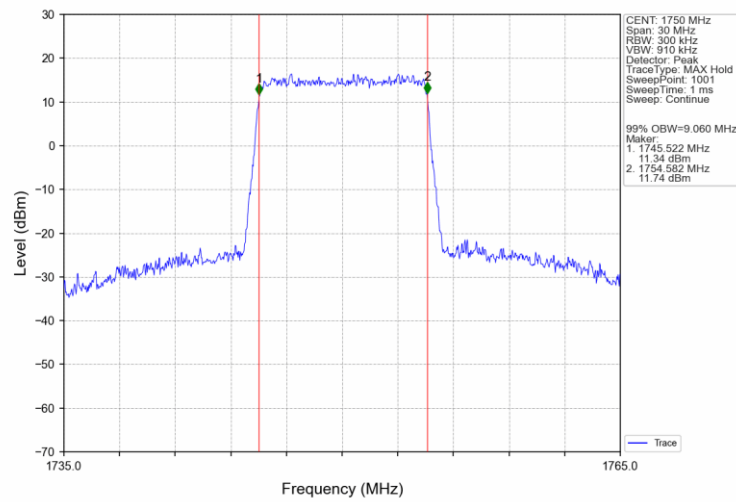
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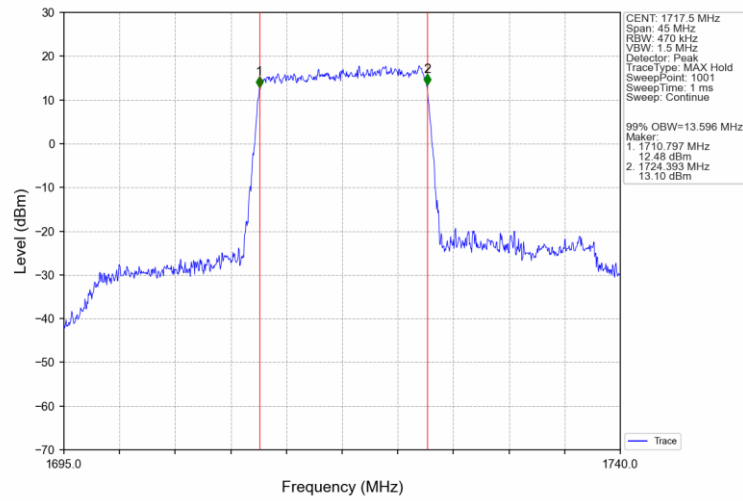
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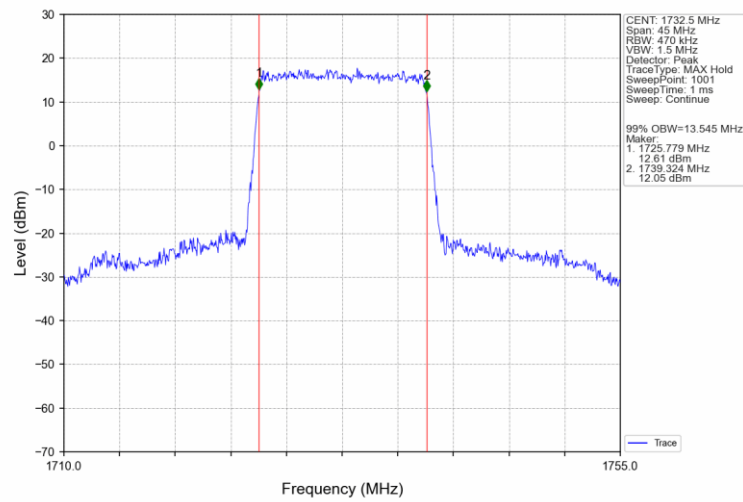
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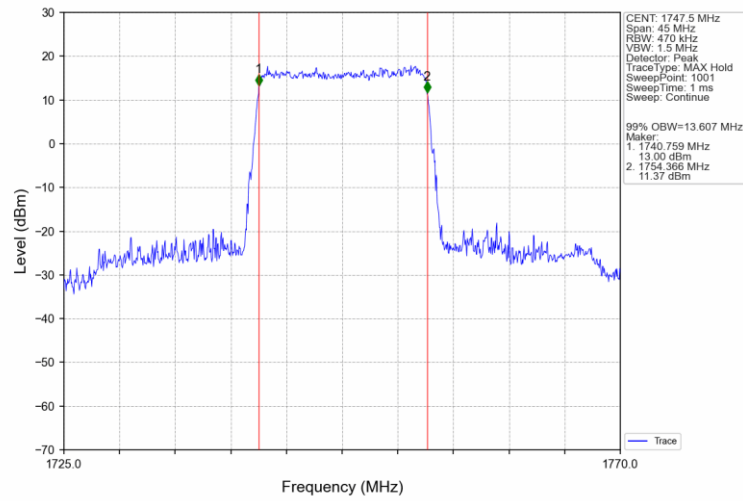
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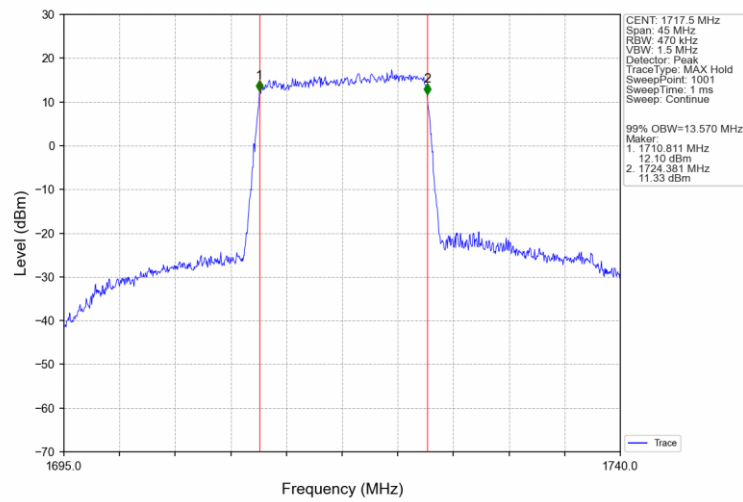
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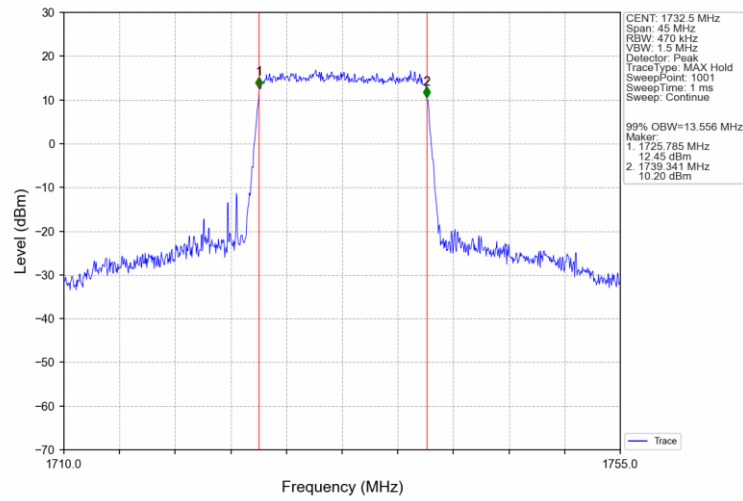
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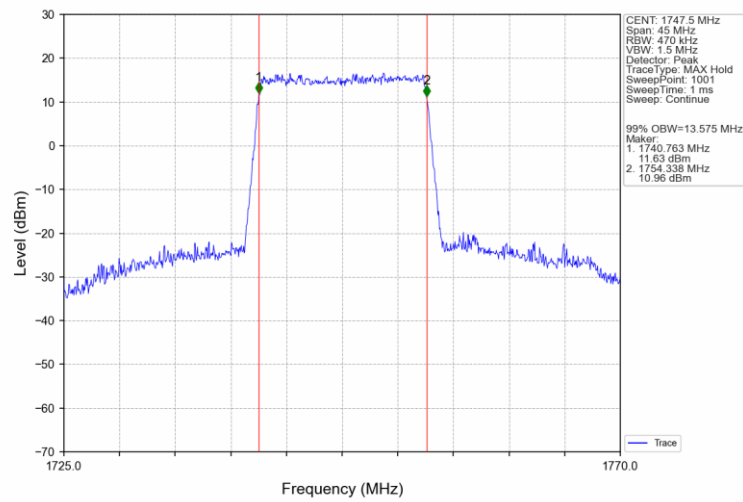
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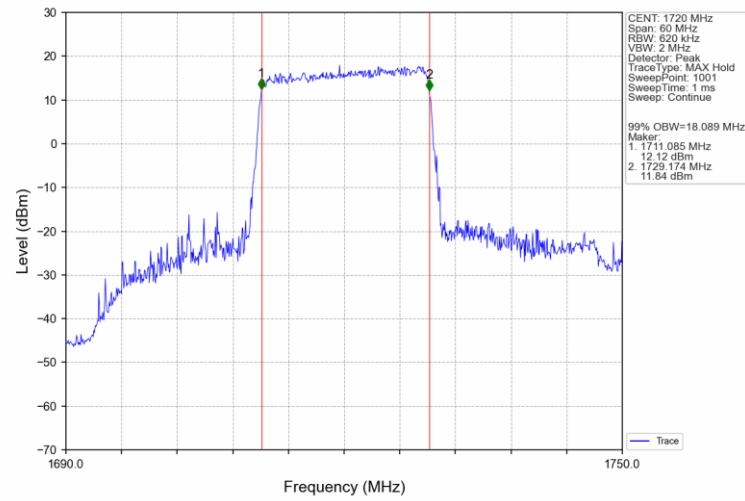
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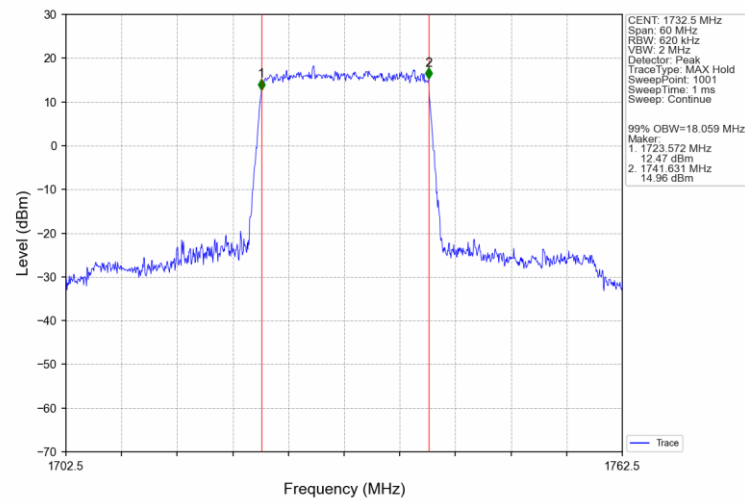
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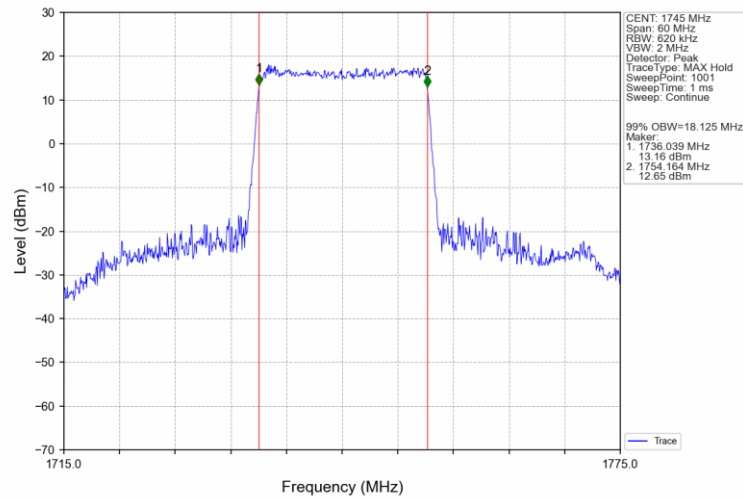
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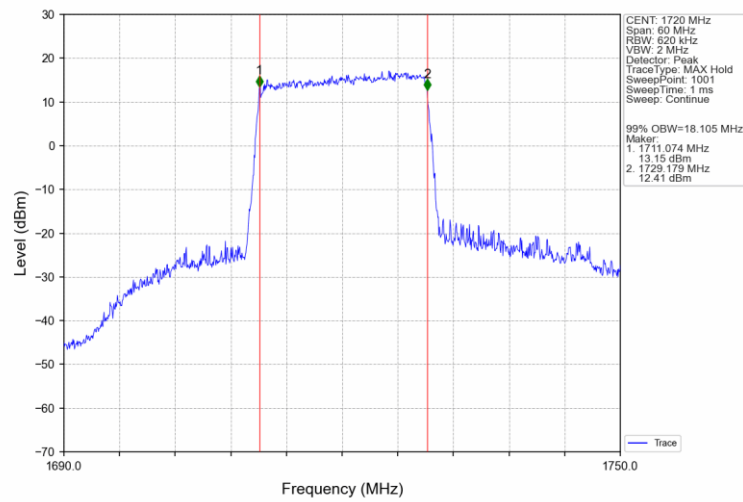
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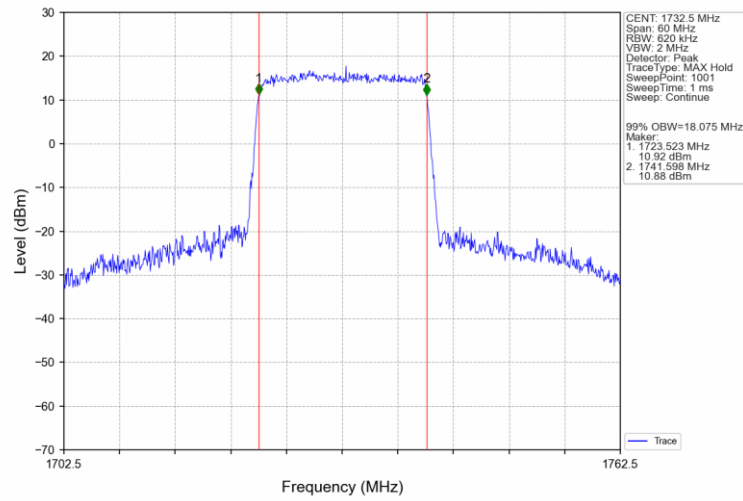
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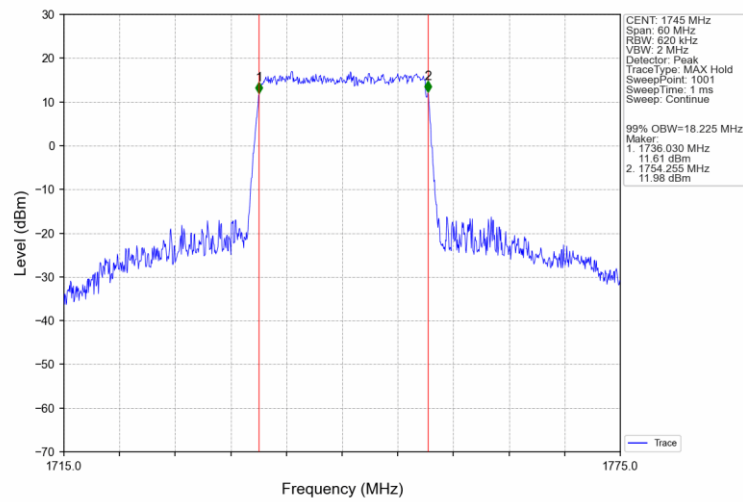
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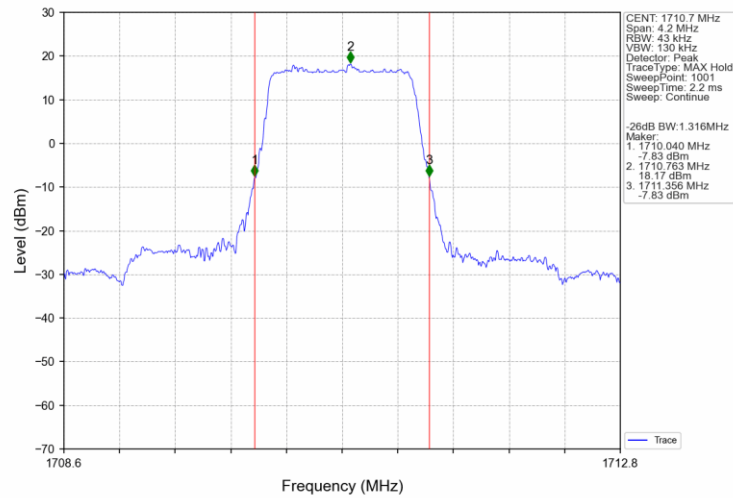


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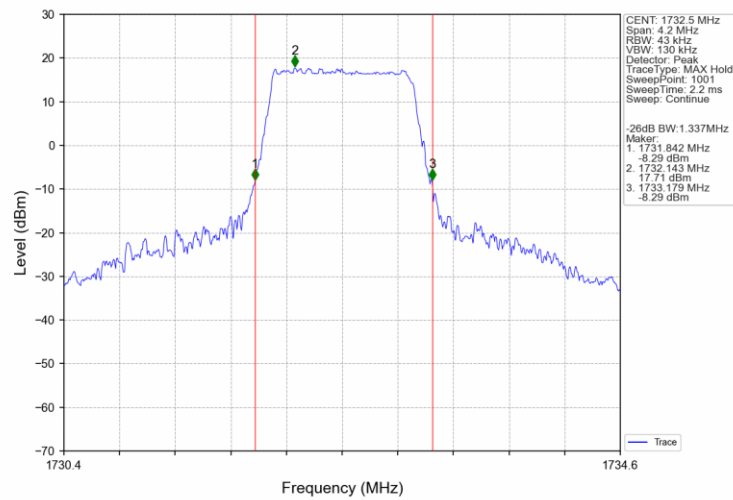


4.2.2 Band4_XDB

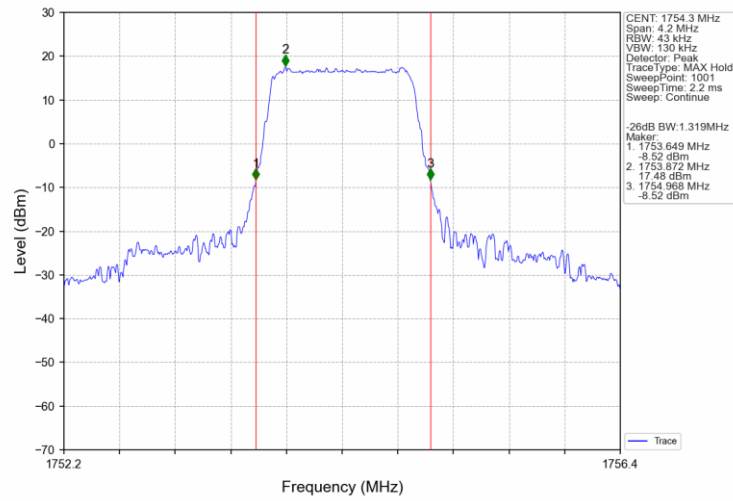
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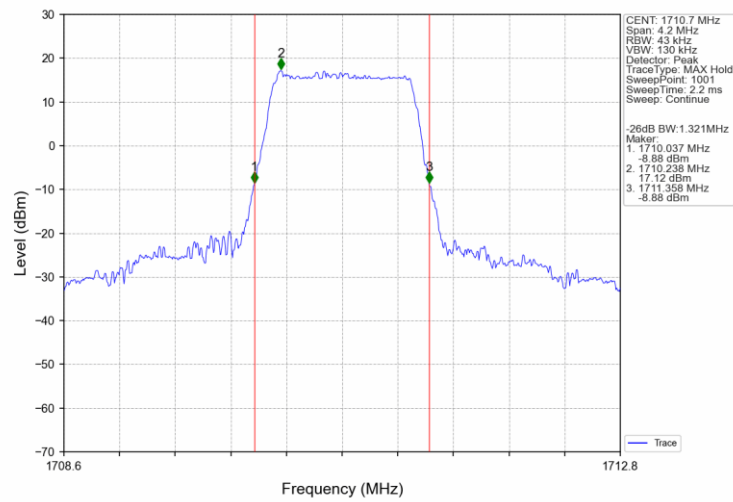
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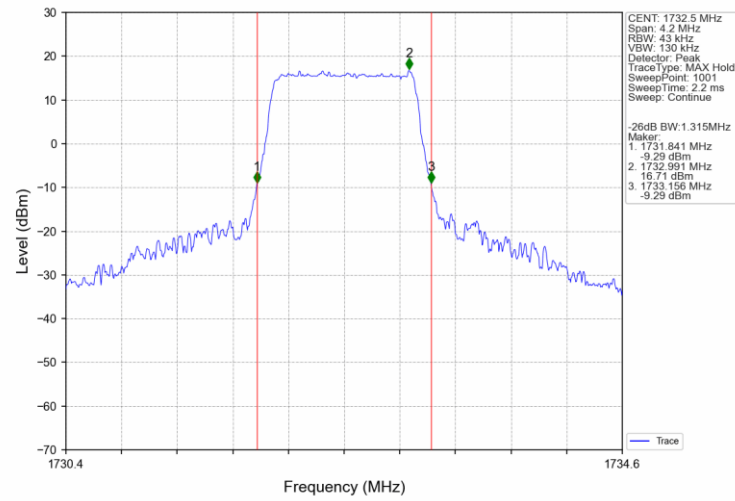
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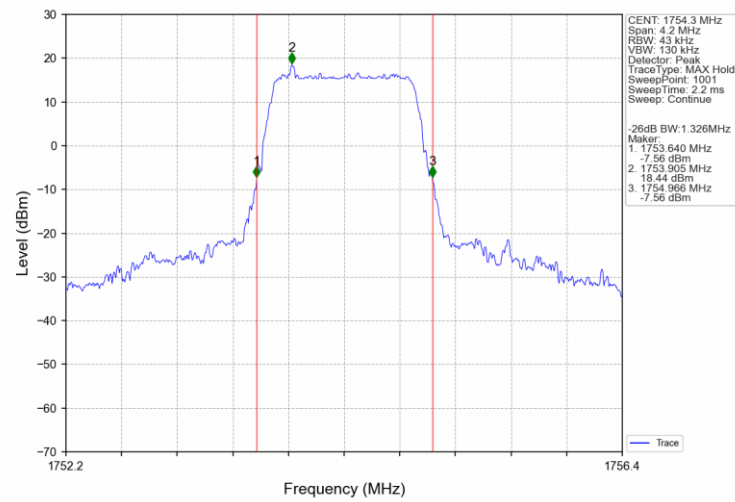
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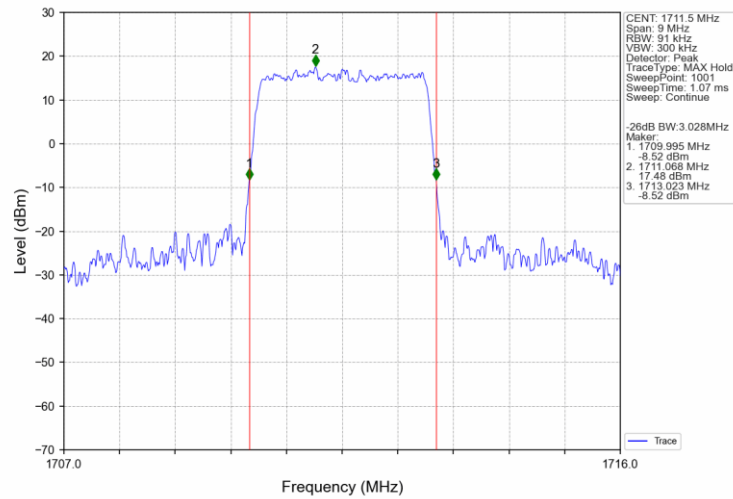
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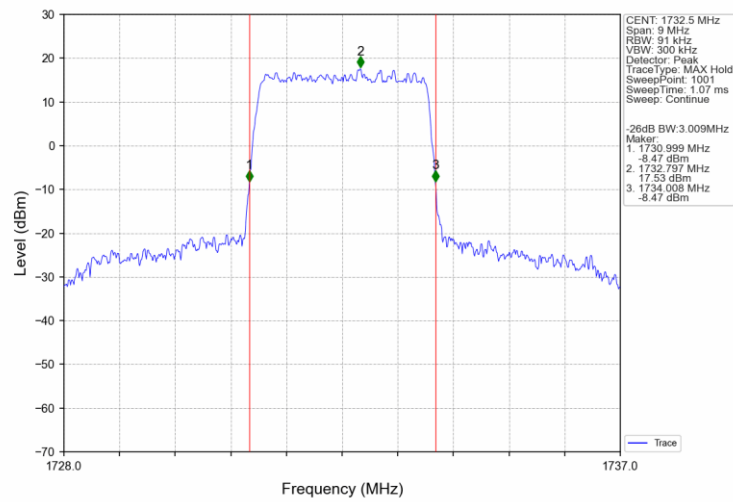
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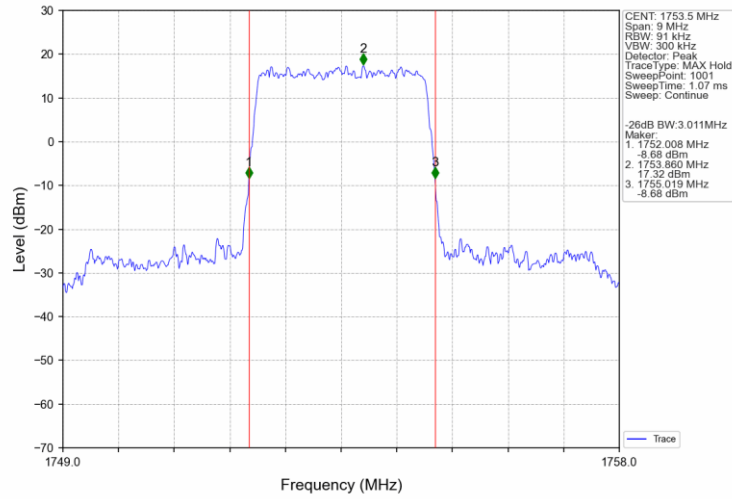
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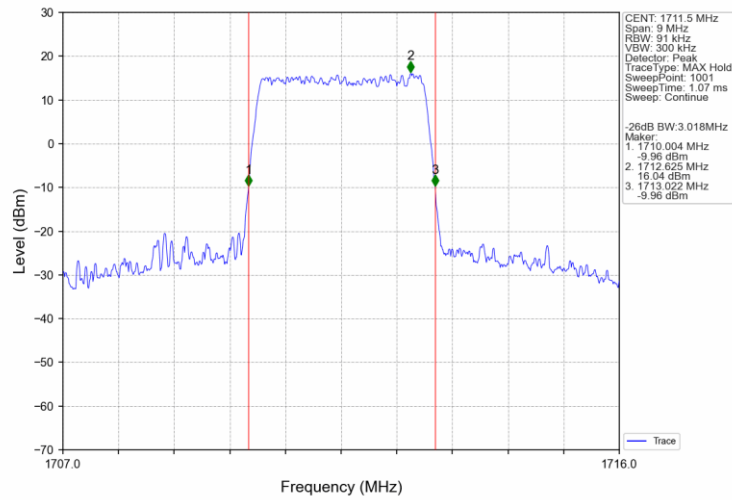
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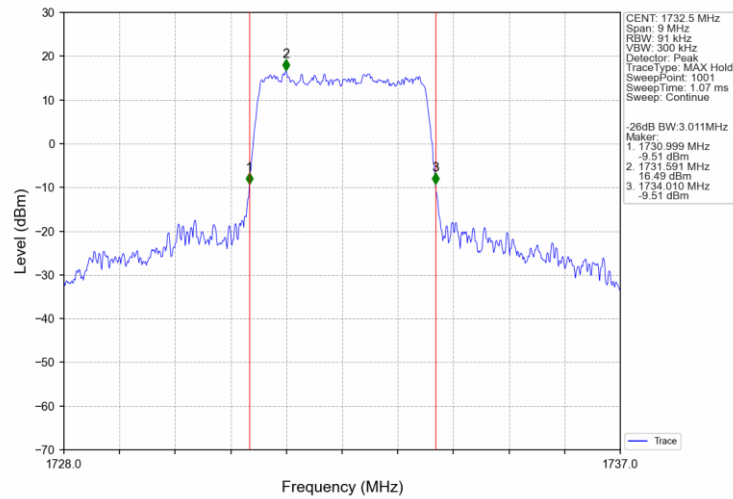
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

