1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.61	0.26	23.87	<=30	Pass
			2	23.76	0.26	24.02	<=30	Pass
			5	23.64	0.26	23.90	<=30	Pass
		3	0	23.67	0.26	23.93	<=30	Pass
			2	23.69	0.26	23.95	<=30	Pass
			3	23.69	0.26	23.95	<=30	Pass
		6	0	22.67	0.26	22.93	<=30	Pass
	1732.5	1	0	23.00	0.26	23.26	<=30	Pass
			2	23.14	0.26	23.40	<=30	Pass
			5	23.05	0.26	23.31	<=30	Pass
		3	0	23.14	0.26	23.40	<=30	Pass
			2	23.20	0.26	23.46	<=30	Pass
			3	23.15	0.26	23.41	<=30	Pass
		6	0	22.10	0.26	22.36	<=30	Pass
	1754.3	1	0	22.93	0.26	23.19	<=30	Pass
			2	23.05	0.26	23.31	<=30	Pass
			5	22.93	0.26	23.19	<=30	Pass
		3	0	23.03	0.26	23.29	<=30	Pass
			2	23.06	0.26	23.32	<=30	Pass
			3	23.03	0.26	23.29	<=30	Pass
		6	0	22.03	0.26	22.29	<=30	Pass
16QAM	1710.7	1	0	22.56	0.26	22.82	<=30	Pass
			2	22.66	0.26	22.92	<=30	Pass
			5	22.63	0.26	22.89	<=30	Pass
		3	0	22.56	0.26	22.82	<=30	Pass
			2	22.42	0.26	22.68	<=30	Pass
			3	22.23	0.26	22.49	<=30	Pass
		6	0	21.21	0.26	21.47	<=30	Pass
	1732.5	1	0	22.22	0.26	22.48	<=30	Pass
			2	22.42	0.26	22.68	<=30	Pass
			5	22.24	0.26	22.50	<=30	Pass
		3	0	22.15	0.26	22.41	<=30	Pass
			2	22.19	0.26	22.45	<=30	Pass
			3	22.18	0.26	22.44	<=30	Pass
		6	0	21.17	0.26	21.43	<=30	Pass
	1754.3	1	0	21.88	0.26	22.14	<=30	Pass
			2	22.01	0.26	22.27	<=30	Pass
			5	21.89	0.26	22.15	<=30	Pass
		3	0	22.17	0.26	22.43	<=30	Pass
			2	22.21	0.26	22.47	<=30	Pass
			3	22.19	0.26	22.45	<=30	Pass
		6	0	21.04	0.26	21.30	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.66	0.26	23.92	<=30	Pass
			7	23.78	0.26	24.04	<=30	Pass
			14	23.10	0.26	23.36	<=30	Pass
		8	0	22.11	0.26	22.37	<=30	Pass
			4	22.15	0.26	22.41	<=30	Pass
			7	22.12	0.26	22.38	<=30	Pass
		15	0	22.10	0.26	22.36	<=30	Pass
	1732.5	1	0	23.13	0.26	23.39	<=30	Pass
			7	23.27	0.26	23.53	<=30	Pass
			14	23.09	0.26	23.35	<=30	Pass
		8	0	22.12	0.26	22.38	<=30	Pass
			4	22.12	0.26	22.38	<=30	Pass
			7	22.06	0.26	22.32	<=30	Pass
		15	0	22.06	0.26	22.32	<=30	Pass
	1753.5	1	0	23.01	0.26	23.27	<=30	Pass
			7	23.17	0.26	23.43	<=30	Pass
			14	23.03	0.26	23.29	<=30	Pass
		8	0	22.02	0.26	22.28	<=30	Pass
			4	22.06	0.26	22.32	<=30	Pass
			7	22.03	0.26	22.29	<=30	Pass
		15	0	22.01	0.26	22.27	<=30	Pass
16QAM	1711.5	1	0	22.63	0.26	22.89	<=30	Pass
			7	22.72	0.26	22.98	<=30	Pass
			14	22.56	0.26	22.82	<=30	Pass
		8	0	21.29	0.26	21.55	<=30	Pass
			4	21.32	0.26	21.58	<=30	Pass
			7	21.30	0.26	21.56	<=30	Pass
		15	0	21.25	0.26	21.51	<=30	Pass
	1732.5	1	0	22.20	0.26	22.46	<=30	Pass
			7	22.30	0.26	22.56	<=30	Pass
			14	22.11	0.26	22.37	<=30	Pass
		8	0	21.23	0.26	21.49	<=30	Pass
			4	21.24	0.26	21.50	<=30	Pass
			7	21.20	0.26	21.46	<=30	Pass
		15	0	21.21	0.26	21.47	<=30	Pass
	1753.5	1	0	22.13	0.26	22.39	<=30	Pass
			7	22.28	0.26	22.54	<=30	Pass
			14	22.15	0.26	22.41	<=30	Pass
		8	0	21.01	0.26	21.27	<=30	Pass
			4	21.05	0.26	21.31	<=30	Pass
			7	21.04	0.26	21.30	<=30	Pass
		15	0	21.00	0.26	21.26	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.06	0.26	23.32	<=30	Pass
			13	23.15	0.26	23.41	<=30	Pass
			24	23.06	0.26	23.32	<=30	Pass
		12	0	22.08	0.26	22.34	<=30	Pass
			6	22.16	0.26	22.42	<=30	Pass
			13	22.11	0.26	22.37	<=30	Pass
		25	0	22.07	0.26	22.33	<=30	Pass
	1732.5	1	0	23.05	0.26	23.31	<=30	Pass
			13	23.14	0.26	23.40	<=30	Pass
			24	22.99	0.26	23.25	<=30	Pass
		12	0	22.10	0.26	22.36	<=30	Pass
			6	22.15	0.26	22.41	<=30	Pass
			13	22.10	0.26	22.36	<=30	Pass
		25	0	22.11	0.26	22.37	<=30	Pass
	1752.5	1	0	22.93	0.26	23.19	<=30	Pass
			13	23.06	0.26	23.32	<=30	Pass
			24	22.95	0.26	23.21	<=30	Pass
		12	0	21.96	0.26	22.22	<=30	Pass
			6	22.04	0.26	22.30	<=30	Pass
			13	22.01	0.26	22.27	<=30	Pass
		25	0	21.99	0.26	22.25	<=30	Pass
16QAM	1712.5	1	0	22.13	0.26	22.39	<=30	Pass
			13	22.18	0.26	22.44	<=30	Pass
			24	22.07	0.26	22.33	<=30	Pass
		12	0	21.13	0.26	21.39	<=30	Pass
			6	21.15	0.26	21.41	<=30	Pass
			13	21.13	0.26	21.39	<=30	Pass
		25	0	21.16	0.26	21.42	<=30	Pass
	1732.5	1	0	22.33	0.26	22.59	<=30	Pass
			13	22.42	0.26	22.68	<=30	Pass
			24	22.28	0.26	22.54	<=30	Pass
		12	0	21.22	0.26	21.48	<=30	Pass
			6	21.24	0.26	21.50	<=30	Pass
			13	21.20	0.26	21.46	<=30	Pass
		25	0	21.19	0.26	21.45	<=30	Pass
	1752.5	1	0	21.74	0.26	22.00	<=30	Pass
			13	21.85	0.26	22.11	<=30	Pass
			24	21.77	0.26	22.03	<=30	Pass
		12	0	21.01	0.26	21.27	<=30	Pass
			6	21.03	0.26	21.29	<=30	Pass
			13	20.99	0.26	21.25	<=30	Pass
		25	0	21.05	0.26	21.31	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.19	0.26	23.45	<=30	Pass
			25	23.38	0.26	23.64	<=30	Pass
			49	23.19	0.26	23.45	<=30	Pass
		25	0	22.11	0.26	22.37	<=30	Pass
			13	22.14	0.26	22.40	<=30	Pass
			25	22.20	0.26	22.46	<=30	Pass
		50	0	22.14	0.26	22.40	<=30	Pass
	1732.5	1	0	23.10	0.26	23.36	<=30	Pass
			25	23.23	0.26	23.49	<=30	Pass
			49	23.02	0.26	23.28	<=30	Pass
		25	0	22.20	0.26	22.46	<=30	Pass
			13	22.18	0.26	22.44	<=30	Pass
			25	22.14	0.26	22.40	<=30	Pass
		50	0	22.18	0.26	22.44	<=30	Pass
	1750	1	0	23.01	0.26	23.27	<=30	Pass
			25	23.21	0.26	23.47	<=30	Pass
			49	23.03	0.26	23.29	<=30	Pass
		25	0	21.98	0.26	22.24	<=30	Pass
			13	22.00	0.26	22.26	<=30	Pass
			25	22.03	0.26	22.29	<=30	Pass
		50	0	22.01	0.26	22.27	<=30	Pass
16QAM	1715	1	0	22.14	0.26	22.40	<=30	Pass
			25	22.30	0.26	22.56	<=30	Pass
			49	22.10	0.26	22.36	<=30	Pass
		25	0	21.23	0.26	21.49	<=30	Pass
			13	21.28	0.26	21.54	<=30	Pass
			25	21.31	0.26	21.57	<=30	Pass
		50	0	21.22	0.26	21.48	<=30	Pass
	1732.5	1	0	22.29	0.26	22.55	<=30	Pass
			25	22.42	0.26	22.68	<=30	Pass
			49	22.23	0.26	22.49	<=30	Pass
		25	0	21.31	0.26	21.57	<=30	Pass
			13	21.25	0.26	21.51	<=30	Pass
			25	21.22	0.26	21.48	<=30	Pass
		50	0	21.25	0.26	21.51	<=30	Pass
	1750	1	0	22.43	0.26	22.69	<=30	Pass
			25	22.58	0.26	22.84	<=30	Pass
			49	22.47	0.26	22.73	<=30	Pass
		25	0	21.06	0.26	21.32	<=30	Pass
			13	21.08	0.26	21.34	<=30	Pass
			25	21.11	0.26	21.37	<=30	Pass
		50	0	21.06	0.26	21.32	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.05	0.26	23.31	<=30	Pass
			38	23.15	0.26	23.41	<=30	Pass
			74	23.02	0.26	23.28	<=30	Pass
		36	0	22.18	0.26	22.44	<=30	Pass
			18	22.27	0.26	22.53	<=30	Pass
			39	22.27	0.26	22.53	<=30	Pass
		75	0	22.24	0.26	22.50	<=30	Pass
	1732.5	1	0	23.01	0.26	23.27	<=30	Pass
			38	23.07	0.26	23.33	<=30	Pass
			74	22.90	0.26	23.16	<=30	Pass
		36	0	22.19	0.26	22.45	<=30	Pass
			18	22.18	0.26	22.44	<=30	Pass
			39	22.13	0.26	22.39	<=30	Pass
		75	0	22.18	0.26	22.44	<=30	Pass
	1747.5	1	0	22.93	0.26	23.19	<=30	Pass
			38	23.06	0.26	23.32	<=30	Pass
			74	22.92	0.26	23.18	<=30	Pass
		36	0	22.09	0.26	22.35	<=30	Pass
			18	22.12	0.26	22.38	<=30	Pass
			39	22.16	0.26	22.42	<=30	Pass
		75	0	22.13	0.26	22.39	<=30	Pass
16QAM	1717.5	1	0	22.18	0.26	22.44	<=30	Pass
			38	22.31	0.26	22.57	<=30	Pass
			74	22.17	0.26	22.43	<=30	Pass
		36	0	21.12	0.26	21.38	<=30	Pass
			18	21.22	0.26	21.48	<=30	Pass
			39	21.24	0.26	21.50	<=30	Pass
		75	0	21.25	0.26	21.51	<=30	Pass
	1732.5	1	0	22.59	0.26	22.85	<=30	Pass
			38	22.70	0.26	22.96	<=30	Pass
			74	22.46	0.26	22.72	<=30	Pass
		36	0	21.23	0.26	21.49	<=30	Pass
			18	21.21	0.26	21.47	<=30	Pass
			39	21.16	0.26	21.42	<=30	Pass
		75	0	21.21	0.26	21.47	<=30	Pass
	1747.5	1	0	22.27	0.26	22.53	<=30	Pass
			38	22.27	0.26	22.53	<=30	Pass
			74	22.19	0.26	22.45	<=30	Pass
		36	0	21.03	0.26	21.29	<=30	Pass
			18	21.04	0.26	21.30	<=30	Pass
			39	21.06	0.26	21.32	<=30	Pass
		75	0	21.08	0.26	21.34	<=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	22.85	0.26	23.11	<=30	Pass
			50	23.29	0.26	23.55	<=30	Pass
			99	22.86	0.26	23.12	<=30	Pass
		50	0	22.05	0.26	22.31	<=30	Pass
			25	22.16	0.26	22.42	<=30	Pass
			50	22.07	0.26	22.33	<=30	Pass
		100	0	22.08	0.26	22.34	<=30	Pass
	1732.5	1	0	22.86	0.26	23.12	<=30	Pass
			50	23.23	0.26	23.49	<=30	Pass
			99	22.76	0.26	23.02	<=30	Pass
		50	0	22.18	0.26	22.44	<=30	Pass
			25	22.16	0.26	22.42	<=30	Pass
			50	22.08	0.26	22.34	<=30	Pass
		100	0	22.14	0.26	22.40	<=30	Pass
	1745	1	0	22.83	0.26	23.09	<=30	Pass
			50	23.18	0.26	23.44	<=30	Pass
			99	22.79	0.26	23.05	<=30	Pass
		50	0	21.99	0.26	22.25	<=30	Pass
			25	22.03	0.26	22.29	<=30	Pass
			50	22.02	0.26	22.28	<=30	Pass
		100	0	22.05	0.26	22.31	<=30	Pass
16QAM	1720	1	0	22.13	0.26	22.39	<=30	Pass
			50	22.51	0.26	22.77	<=30	Pass
			99	22.17	0.26	22.43	<=30	Pass
		50	0	21.10	0.26	21.36	<=30	Pass
			25	21.24	0.26	21.50	<=30	Pass
			50	21.19	0.26	21.45	<=30	Pass
		100	0	21.18	0.26	21.44	<=30	Pass
	1732.5	1	0	22.42	0.26	22.68	<=30	Pass
			50	22.85	0.26	23.11	<=30	Pass
			99	22.33	0.26	22.59	<=30	Pass
		50	0	21.26	0.26	21.52	<=30	Pass
			25	21.24	0.26	21.50	<=30	Pass
			50	21.15	0.26	21.41	<=30	Pass
		100	0	21.23	0.26	21.49	<=30	Pass
	1745	1	0	22.07	0.26	22.33	<=30	Pass
			50	22.30	0.26	22.56	<=30	Pass
			99	21.91	0.26	22.17	<=30	Pass
		50	0	21.05	0.26	21.31	<=30	Pass
			25	21.08	0.26	21.34	<=30	Pass
			50	21.08	0.26	21.34	<=30	Pass
		100	0	21.05	0.26	21.31	<=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	-7.124	-0.0042	-2.5 to 2.5	Pass
					3.85	0.186	0.0001	-2.5 to 2.5	Pass
					4.43	-9.484	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-8.283	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-11.301	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-5.279	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-7.210	-0.0042	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-7.539	-0.0044	-2.5 to 2.5	Pass
					3.85	-8.755	-0.0051	-2.5 to 2.5	Pass
					4.43	-6.366	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-12.789	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-5.965	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-8.640	-0.0050	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-3.805	-0.0022	-2.5 to 2.5	Pass
					3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
					4.43	-2.346	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-10.142	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-4.621	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-9.484	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				30	3.85	5.879	0.0034	-2.5 to 2.5	Pass
				40	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-5.636	-0.0032	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	2.761	0.0016	-2.5 to 2.5	Pass
					3.85	0.930	0.0005	-2.5 to 2.5	Pass
					4.43	-4.306	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
				0	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-9.813	-0.0057	-2.5 to 2.5	Pass
					3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
					4.43	-8.326	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass

				0	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				10	3.85	5.236	0.0030	-2.5 to 2.5	Pass
				30	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	0.358	0.0002	-2.5 to 2.5	Pass
					3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
					4.43	0.401	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-11.430	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-8.211	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-10.986	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-0.958	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-11.315	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-11.272	-0.0064	-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	0.730	0.0004	-2.5 to 2.5	Pass
					3.85	-13.990	-0.0082	-2.5 to 2.5	Pass
					4.43	-12.174	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-10.014	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-4.377	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-9.727	-0.0057	-2.5 to 2.5	Pass
				40	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.286	0.0002	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.286	0.0002	-2.5 to 2.5	Pass
					3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
					4.43	-4.191	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-5.093	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-6.151	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				50	3.85	2.561	0.0015	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-12.345	-0.0070	-2.5 to 2.5	Pass
					3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
					4.43	1.860	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-9.441	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-11.716	-0.0068	-2.5 to 2.5	Pass
					3.85	-5.107	-0.0030	-2.5 to 2.5	Pass
					4.43	-8.311	-0.0049	-2.5 to 2.5	Pass

				-30	3.85	-7.410	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-7.739	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.772	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-3.204	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-6.495	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-0.172	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
					4.43	0.286	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				10	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				40	3.85	3.147	0.0018	-2.5 to 2.5	Pass
				50	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-8.254	-0.0047	-2.5 to 2.5	Pass
					3.85	0.157	0.0001	-2.5 to 2.5	Pass
					4.43	-7.410	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-10.428	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	2.975	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-13.146	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-10.772	-0.0061	-2.5 to 2.5	Pass
				10	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				30	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-9.255	-0.0053	-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	-6.309	-0.0037	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
					4.43	-6.509	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-7.281	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-7.010	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				50	3.85	2.775	0.0016	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-3.877	-0.0022	-2.5 to 2.5	Pass
					3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
					4.43	-3.433	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.27	2.117	0.0012	-2.5 to 2.5	Pass
					3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
					4.43	-5.322	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-13.618	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-7.567	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-3.591	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-4.277	-0.0024	-2.5 to 2.5	Pass
				10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				30	3.85	-7.124	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-3.748	-0.0021	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-11.187	-0.0065	-2.5 to 2.5	Pass
					3.85	-1.631	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.114	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-9.212	-0.0054	-2.5 to 2.5	Pass
				10	3.85	3.419	0.0020	-2.5 to 2.5	Pass
				30	3.85	-4.749	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				50	3.85	2.217	0.0013	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-3.405	-0.0020	-2.5 to 2.5	Pass
					3.85	1.388	0.0008	-2.5 to 2.5	Pass
					4.43	3.133	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-9.513	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-9.556	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
				50	3.85	4.606	0.0027	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-7.396	-0.0042	-2.5 to 2.5	Pass
					3.85	-13.747	-0.0078	-2.5 to 2.5	Pass
					4.43	-8.154	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-4.592	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				0	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				10	3.85	-9.670	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-5.121	-0.0029	-2.5 to 2.5	Pass
				40	3.85	1.574	0.0009	-2.5 to 2.5	Pass
				50	3.85	-5.064	-0.0029	-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	-4.864	-0.0028	-2.5 to 2.5	Pass
					3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
					4.43	-0.529	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-8.097	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-10.300	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-5.736	-0.0033	-2.5 to 2.5	Pass

				30	3.85	-9.942	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-8.025	-0.0046	-2.5 to 2.5	Pass
					3.85	1.059	0.0006	-2.5 to 2.5	Pass
					4.43	-6.022	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				40	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				50	3.85	-8.655	-0.0050	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-16.408	-0.0094	-2.5 to 2.5	Pass
					3.85	-8.397	-0.0048	-2.5 to 2.5	Pass
					4.43	0.186	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-7.539	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-8.526	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-7.224	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-2.275	-0.0013	-2.5 to 2.5	Pass
					3.85	0.529	0.0003	-2.5 to 2.5	Pass
					4.43	-10.185	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-5.608	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				0	3.85	-3.748	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-12.174	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-4.563	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-1.087	-0.0006	-2.5 to 2.5	Pass
					3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.832	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				0	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				10	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-10.142	-0.0058	-2.5 to 2.5	Pass
					3.85	0.086	0.0000	-2.5 to 2.5	Pass
					4.43	-6.223	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-8.483	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-9.527	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	-5.980	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-5.093	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-3.462	-0.0020	-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	-5.722	-0.0033	-2.5 to 2.5	Pass
					3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
					4.43	1.273	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-5.279	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-6.280	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-1.788	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
					4.43	-6.251	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				10	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				30	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-7.367	-0.0042	-2.5 to 2.5	Pass
					3.85	-5.322	-0.0030	-2.5 to 2.5	Pass
					4.43	-6.495	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-7.067	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-9.298	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-3.891	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-11.315	-0.0065	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-4.106	-0.0024	-2.5 to 2.5	Pass
					3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
					4.43	-6.351	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-5.364	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-7.625	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-6.194	-0.0036	-2.5 to 2.5	Pass
				30	3.85	2.875	0.0017	-2.5 to 2.5	Pass
				40	3.85	-6.366	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-3.805	-0.0022	-2.5 to 2.5	Pass
					3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
					4.43	-2.933	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-9.370	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
				10	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				30	3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass

	1747.5	75	0	20	3.27	-5.608	-0.0032	-2.5 to 2.5	Pass
					3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
					4.43	-6.008	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-12.288	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-12.102	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-4.449	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-10.214	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-8.397	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-8.955	-0.0051	-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	-10.486	-0.0061	-2.5 to 2.5	Pass
					3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
					4.43	-9.499	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-8.826	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-8.340	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-8.712	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-8.125	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-8.783	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-8.540	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-8.111	-0.0047	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.518	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
					4.43	-4.964	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-6.108	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-9.012	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.548	-0.0020	-2.5 to 2.5	Pass
					3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
					4.43	-1.216	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				0	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-7.510	-0.0044	-2.5 to 2.5	Pass
					3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
					4.43	-10.157	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-7.095	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-9.012	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-8.068	-0.0047	-2.5 to 2.5	Pass

				30	3.85	-5.479	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-9.313	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-1.860	-0.0011	-2.5 to 2.5	Pass
					3.85	-5.479	-0.0032	-2.5 to 2.5	Pass
					4.43	-4.735	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-5.808	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				30	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				40	3.85	-6.237	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-5.035	-0.0029	-2.5 to 2.5	Pass
					3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
					4.43	-3.276	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-7.696	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-6.480	-0.0037	-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

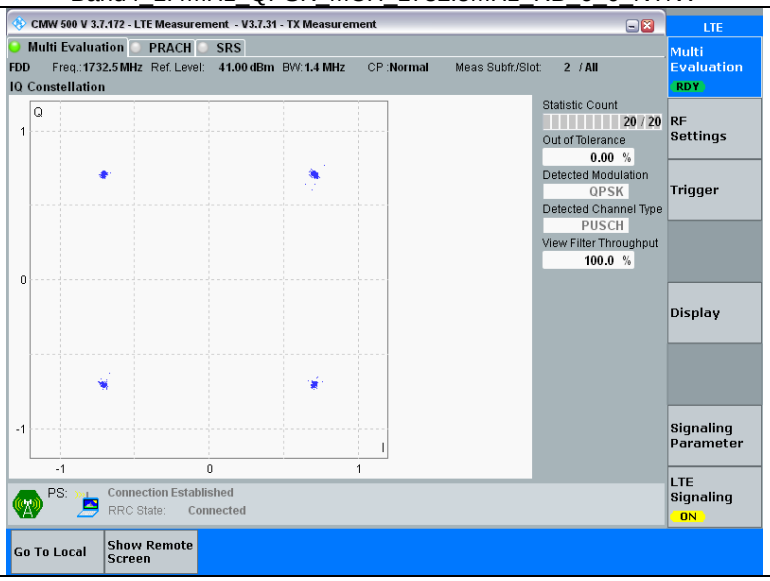
3.1.6 B4_20MHz

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

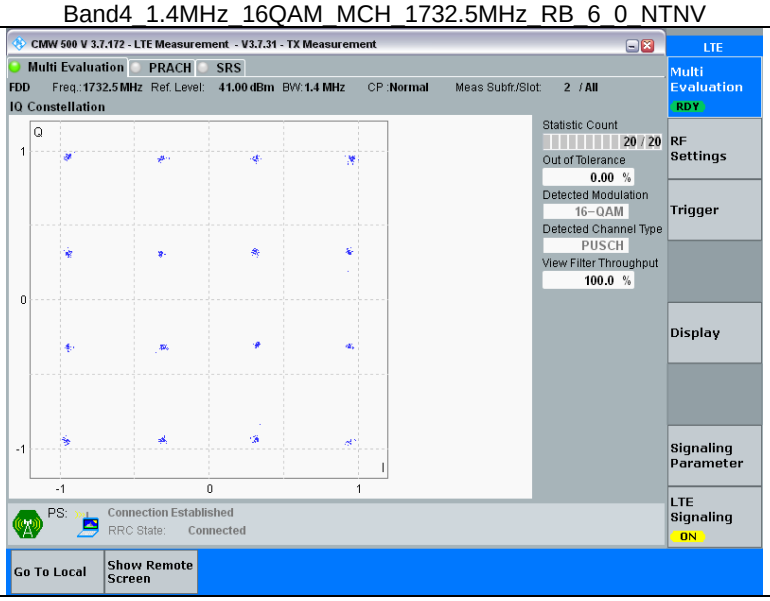
3.2 Test Graph

3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

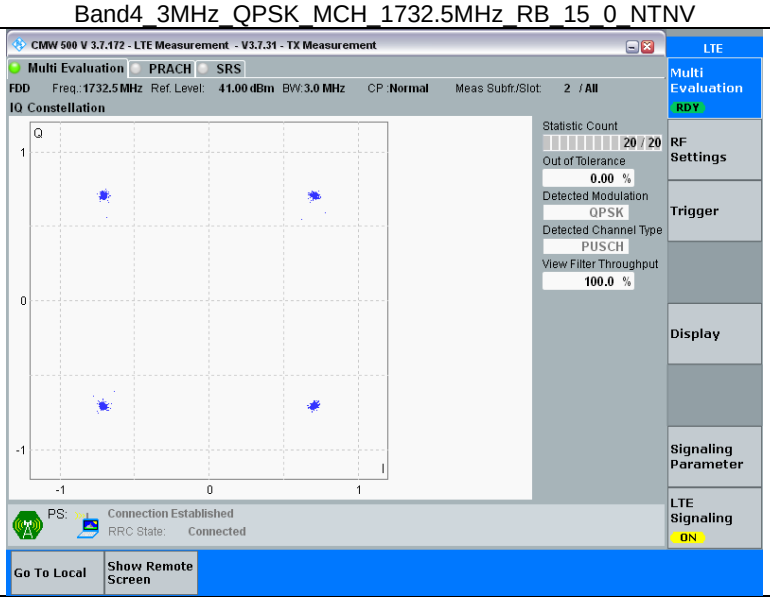


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

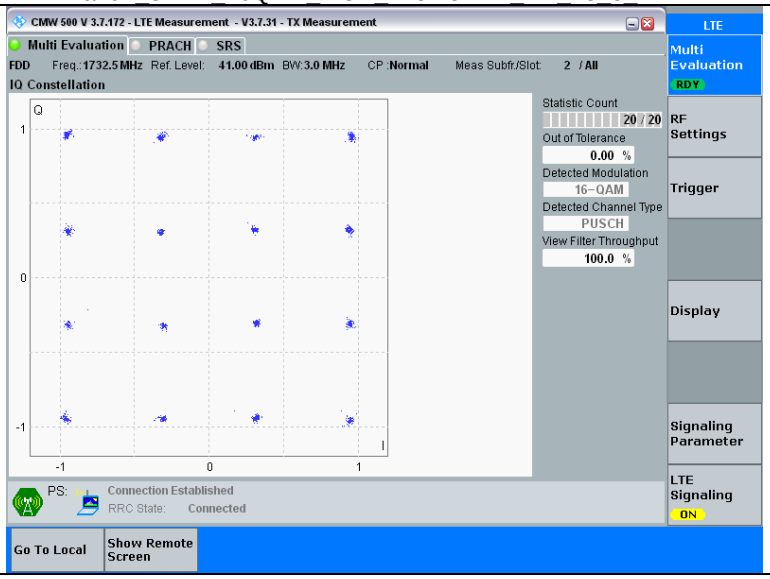


3.2.2 B4_3MHz

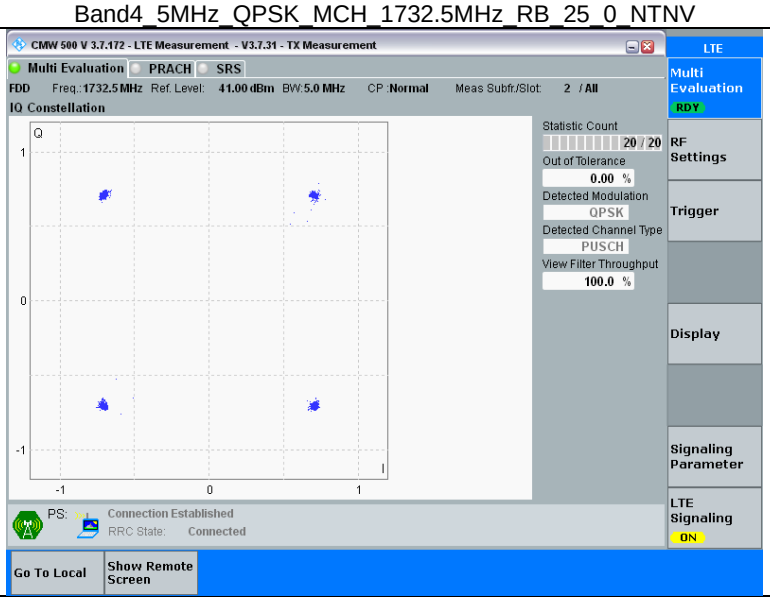
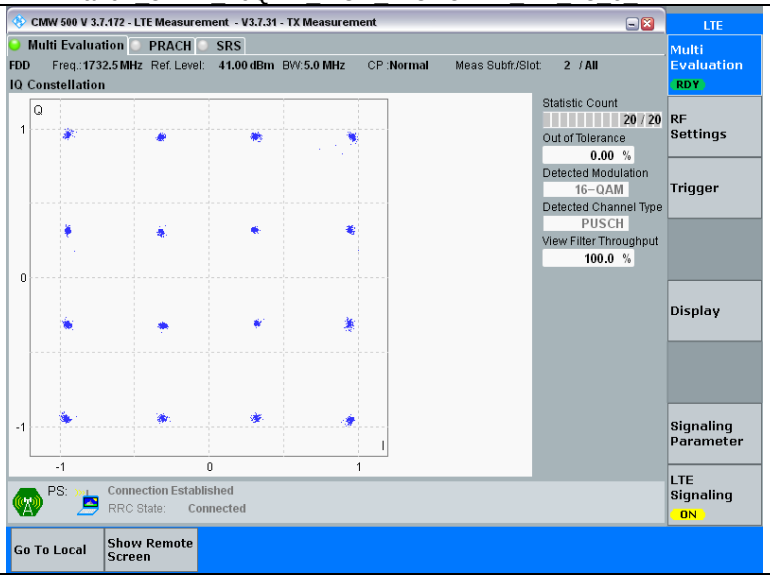
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

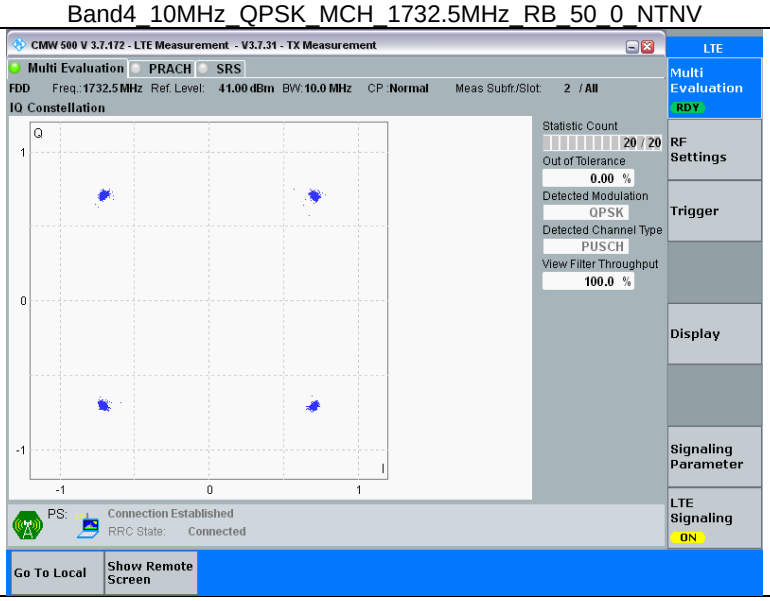


3.2.3 B4_5MHz

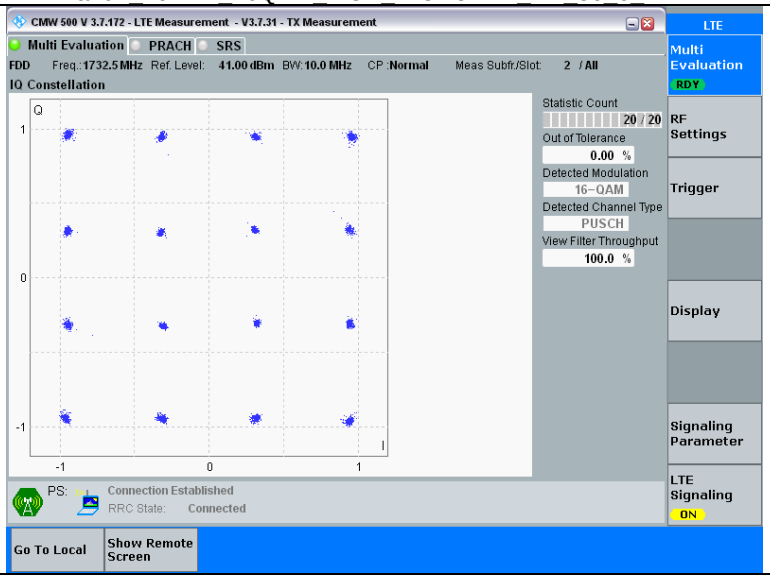
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

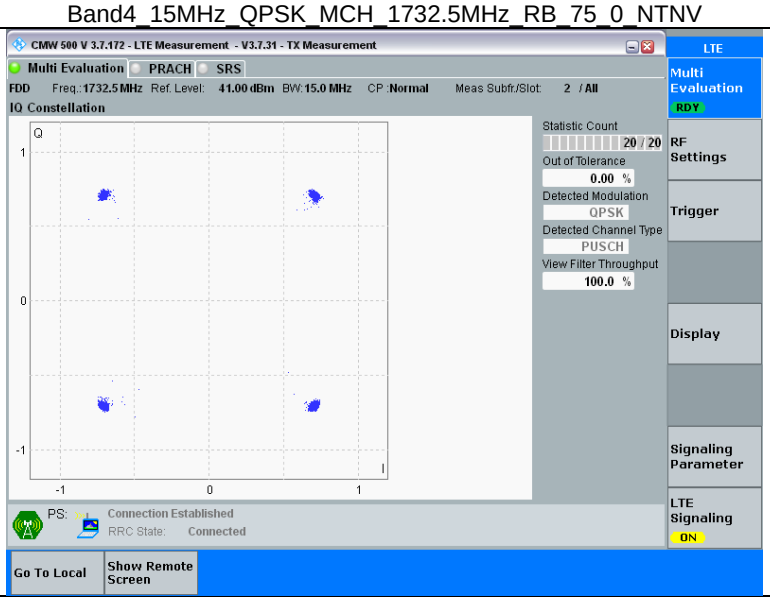


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

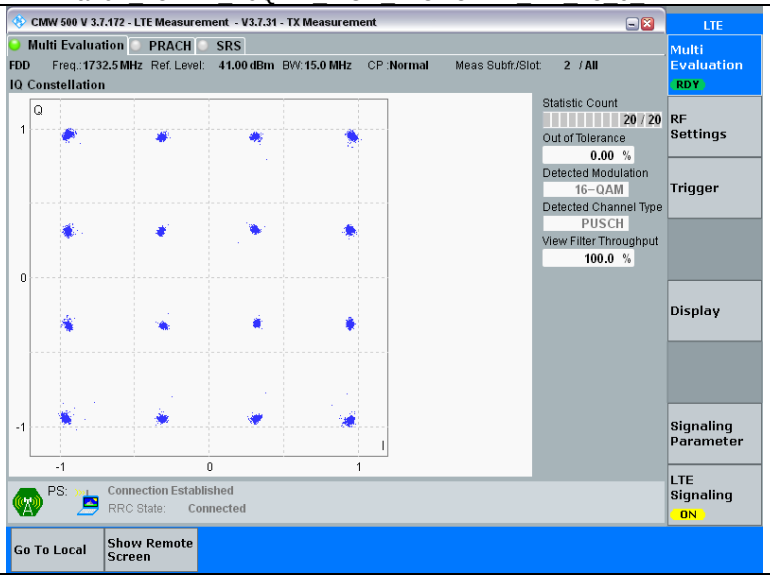


3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

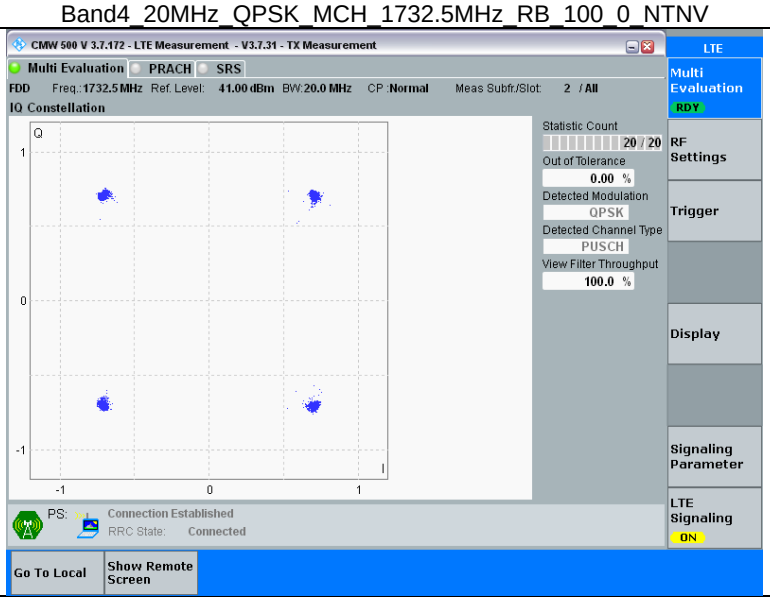


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

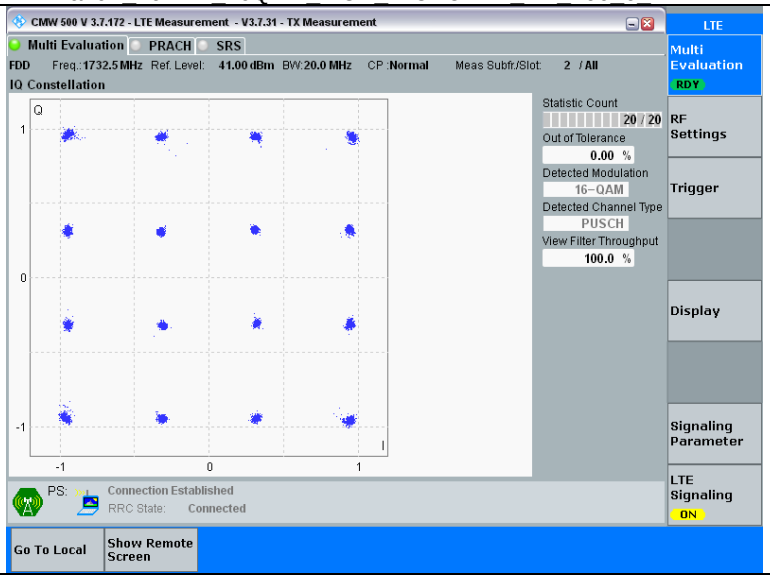


3.2.6 B4_20MHz

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



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	1.116	/	Pass
		1732.5	6	0	1.103	/	Pass
		1754.3	6	0	1.121	/	Pass
	16QAM	1710.7	6	0	1.106	/	Pass
		1732.5	6	0	1.114	/	Pass
		1754.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.722	/	Pass
		1732.5	15	0	2.728	/	Pass
		1753.5	15	0	2.722	/	Pass
	16QAM	1711.5	15	0	2.718	/	Pass
		1732.5	15	0	2.723	/	Pass
		1753.5	15	0	2.732	/	Pass
5	QPSK	1712.5	25	0	4.553	/	Pass
		1732.5	25	0	4.558	/	Pass
		1752.5	25	0	4.554	/	Pass
	16QAM	1712.5	25	0	4.565	/	Pass
		1732.5	25	0	4.536	/	Pass
		1752.5	25	0	4.547	/	Pass
10	QPSK	1715	50	0	9.042	/	Pass
		1732.5	50	0	9.096	/	Pass
		1750	50	0	9.048	/	Pass
	16QAM	1715	50	0	9.064	/	Pass
		1732.5	50	0	9.063	/	Pass
		1750	50	0	9.043	/	Pass
15	QPSK	1717.5	75	0	13.600	/	Pass
		1732.5	75	0	13.580	/	Pass
		1747.5	75	0	13.608	/	Pass
	16QAM	1717.5	75	0	13.559	/	Pass
		1732.5	75	0	13.668	/	Pass
		1747.5	75	0	13.583	/	Pass
20	QPSK	1720	100	0	18.112	/	Pass
		1732.5	100	0	18.221	/	Pass
		1745	100	0	18.142	/	Pass
	16QAM	1720	100	0	18.096	/	Pass
		1732.5	100	0	18.227	/	Pass
		1745	100	0	18.126	/	Pass

4.1.2 Band4_XDB

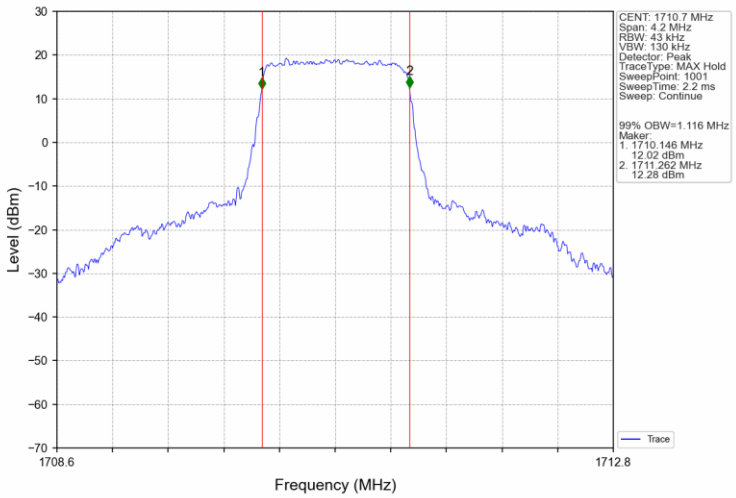
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.322	/	Pass
		1732.5	6	0	1.325	/	Pass
		1754.3	6	0	1.324	/	Pass
	16QAM	1710.7	6	0	1.332	/	Pass
		1732.5	6	0	1.312	/	Pass
		1754.3	6	0	1.315	/	Pass
3	QPSK	1711.5	15	0	2.980	/	Pass

		1732.5	15	0	2.998	/	Pass
		1753.5	15	0	3.001	/	Pass
	16QAM	1711.5	15	0	3.010	/	Pass
		1732.5	15	0	3.013	/	Pass
		1753.5	15	0	2.995	/	Pass
5	QPSK	1712.5	25	0	5.056	/	Pass
		1732.5	25	0	5.011	/	Pass
		1752.5	25	0	5.024	/	Pass
	16QAM	1712.5	25	0	5.014	/	Pass
		1732.5	25	0	5.023	/	Pass
		1752.5	25	0	5.043	/	Pass
10	QPSK	1715	50	0	9.933	/	Pass
		1732.5	50	0	11.697	/	Pass
		1750	50	0	9.990	/	Pass
	16QAM	1715	50	0	9.895	/	Pass
		1732.5	50	0	9.901	/	Pass
		1750	50	0	9.890	/	Pass
15	QPSK	1717.5	75	0	14.976	/	Pass
		1732.5	75	0	14.790	/	Pass
		1747.5	75	0	14.859	/	Pass
	16QAM	1717.5	75	0	14.966	/	Pass
		1732.5	75	0	18.770	/	Pass
		1747.5	75	0	14.896	/	Pass
20	QPSK	1720	100	0	19.652	/	Pass
		1732.5	100	0	30.460	/	Pass
		1745	100	0	25.248	/	Pass
	16QAM	1720	100	0	27.910	/	Pass
		1732.5	100	0	20.456	/	Pass
		1745	100	0	32.154	/	Pass

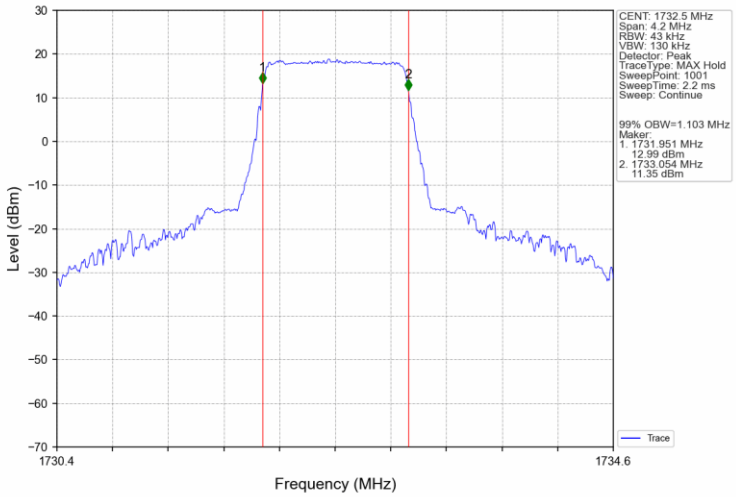
4.2 Test Graph

4.2.1 Band4_OBW

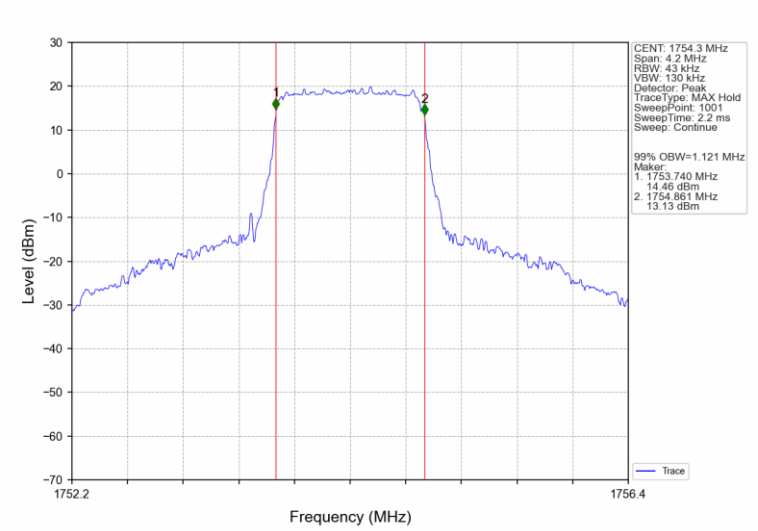
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



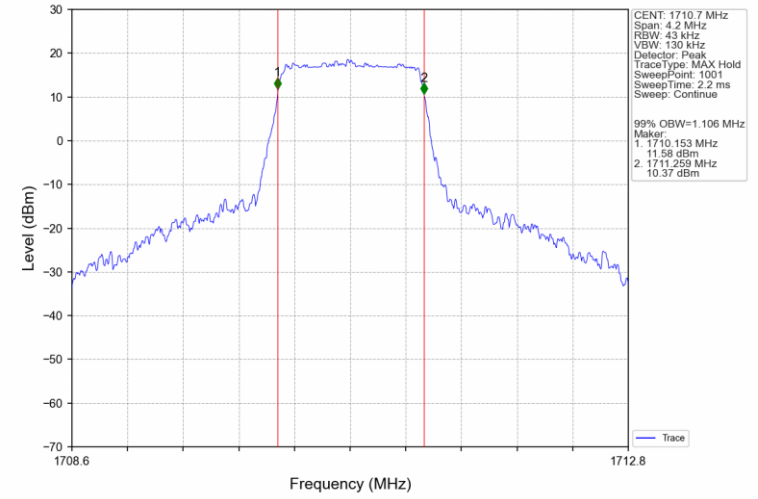
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



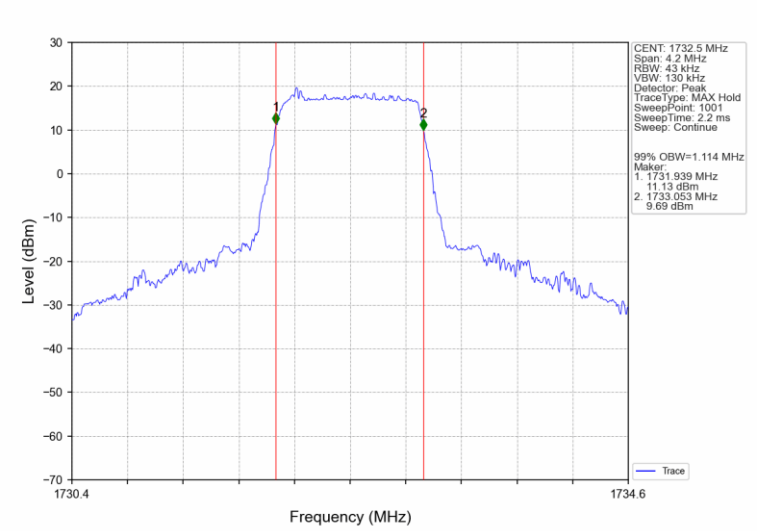
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



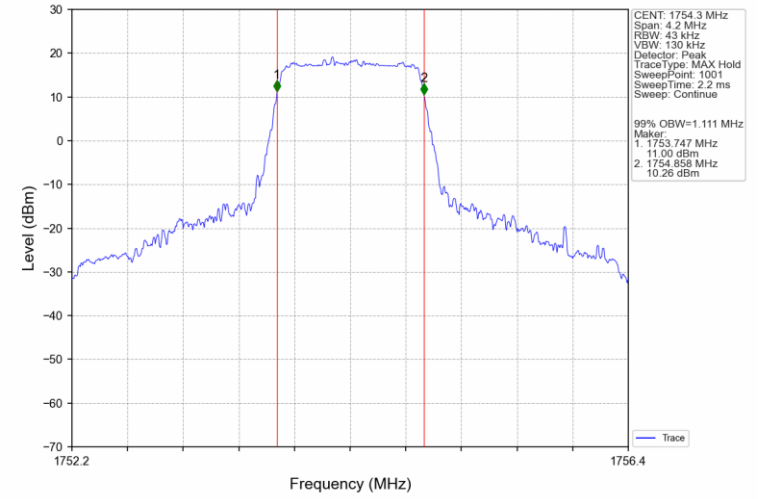
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



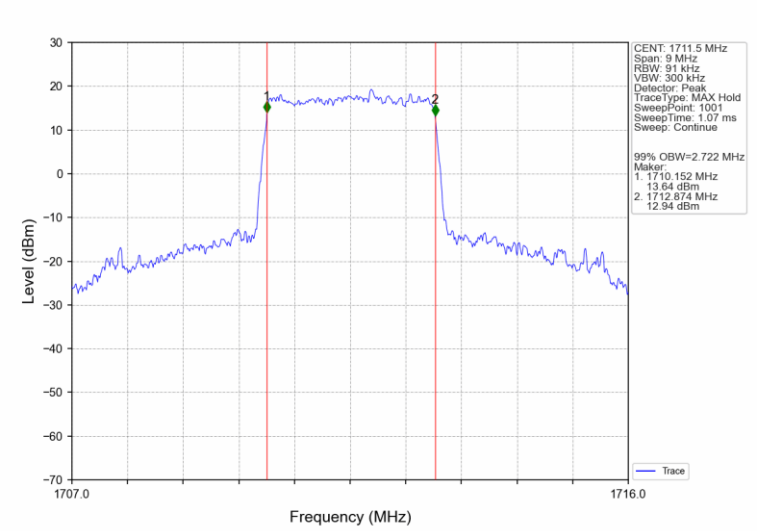
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



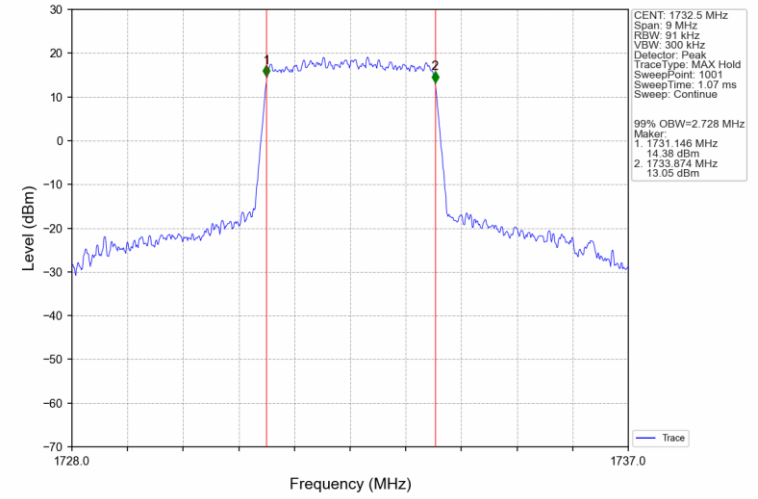
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



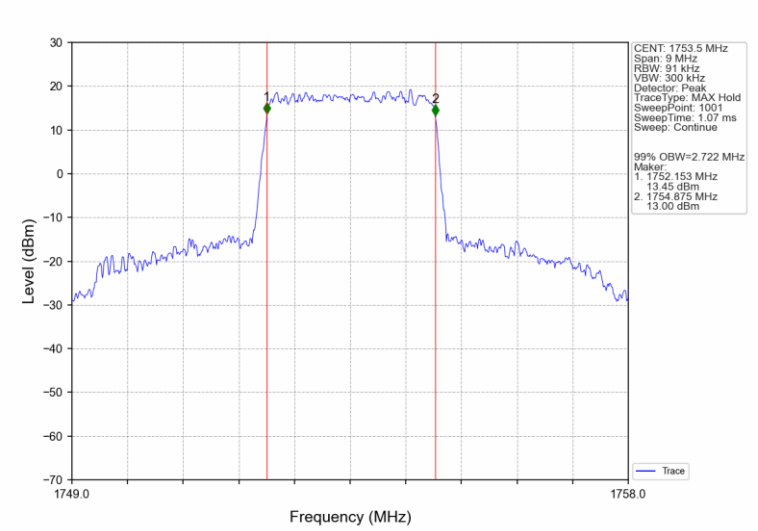
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



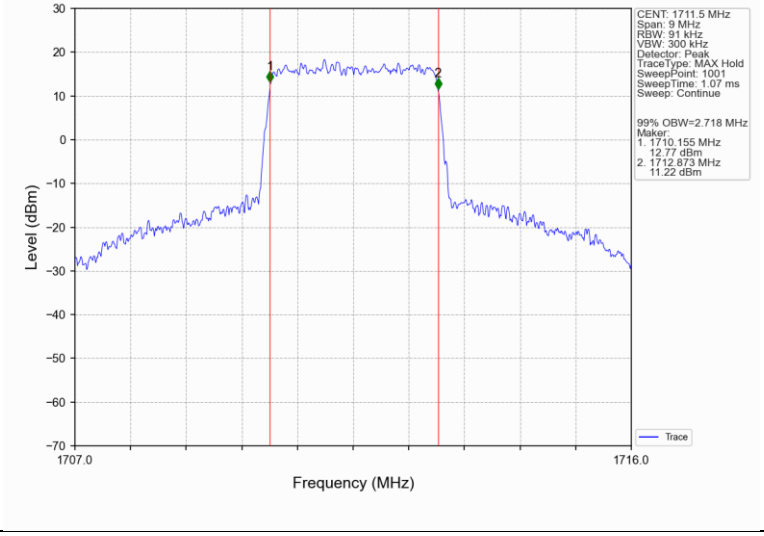
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



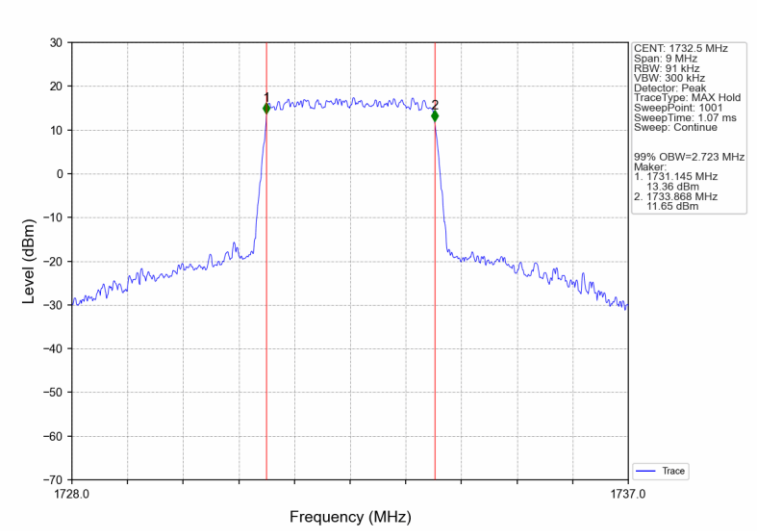
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



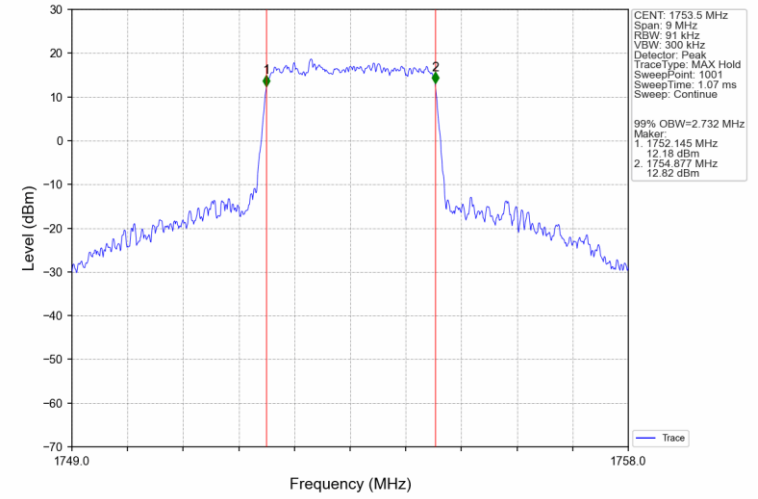
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



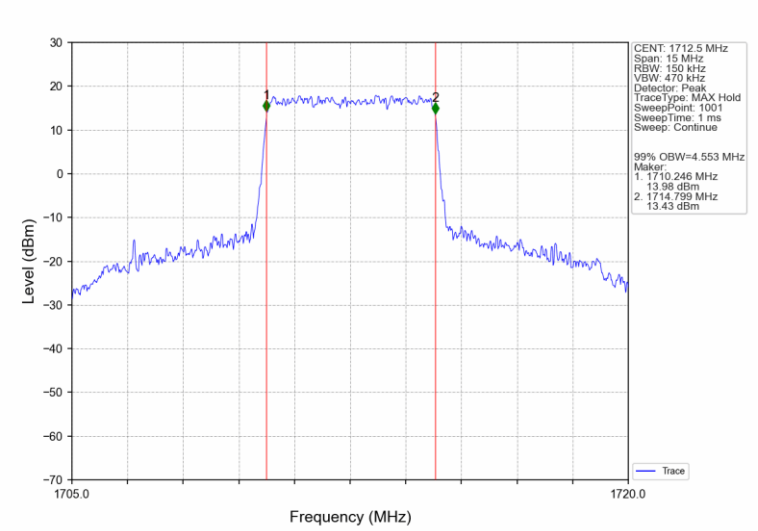
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



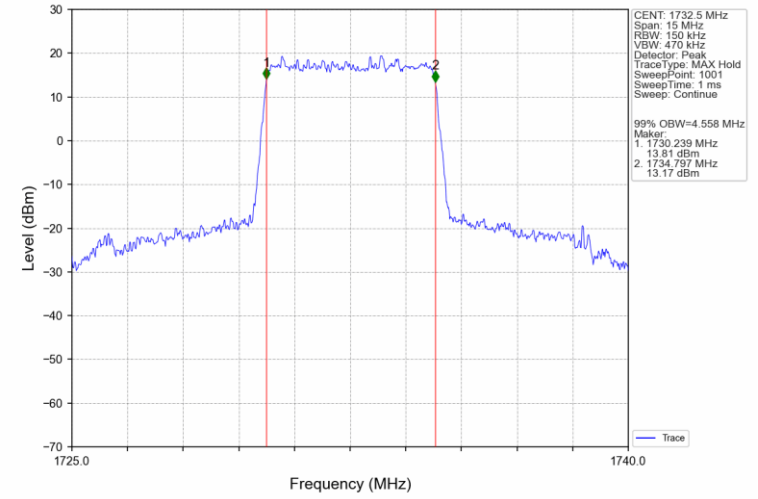
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



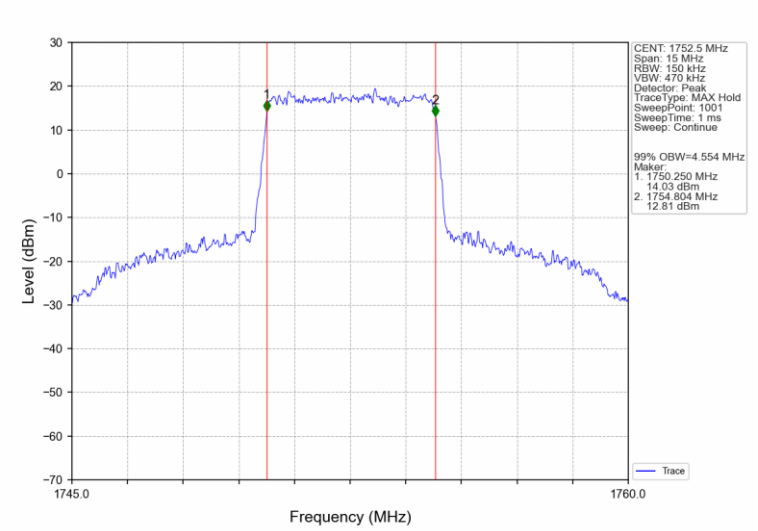
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



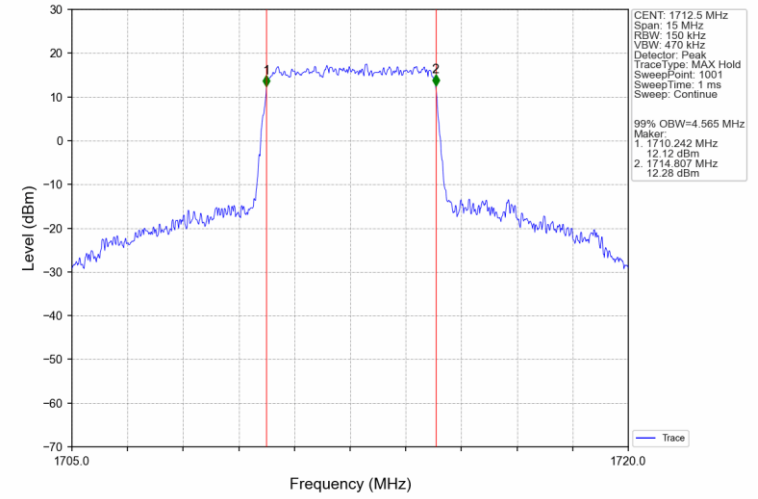
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



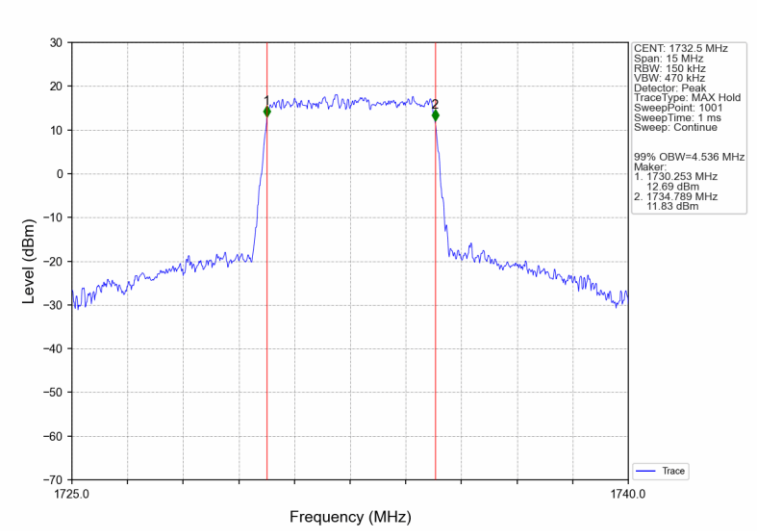
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



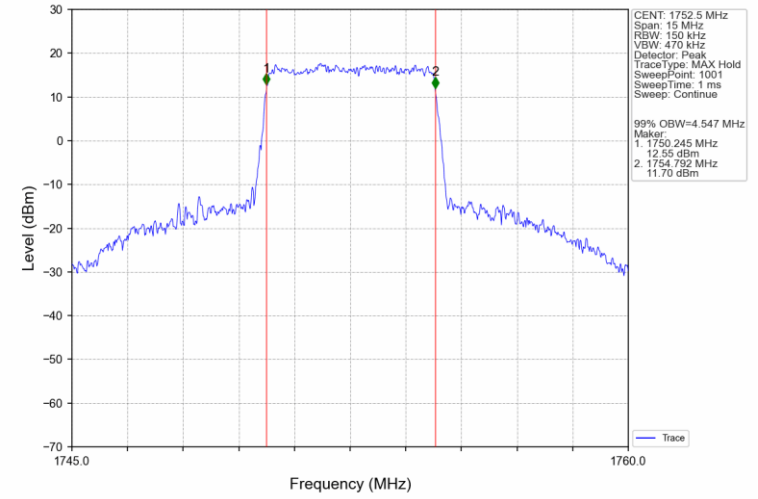
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



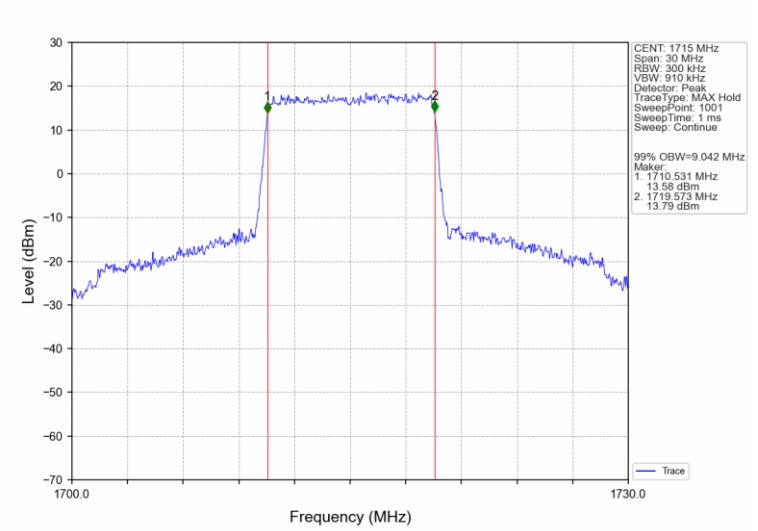
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



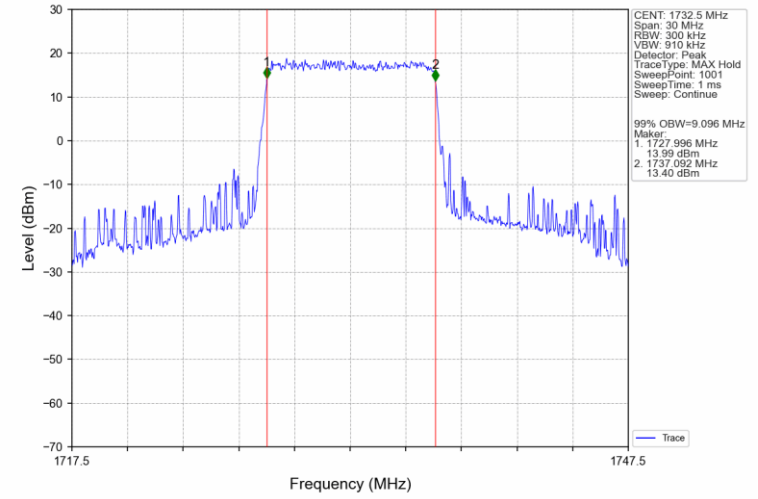
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



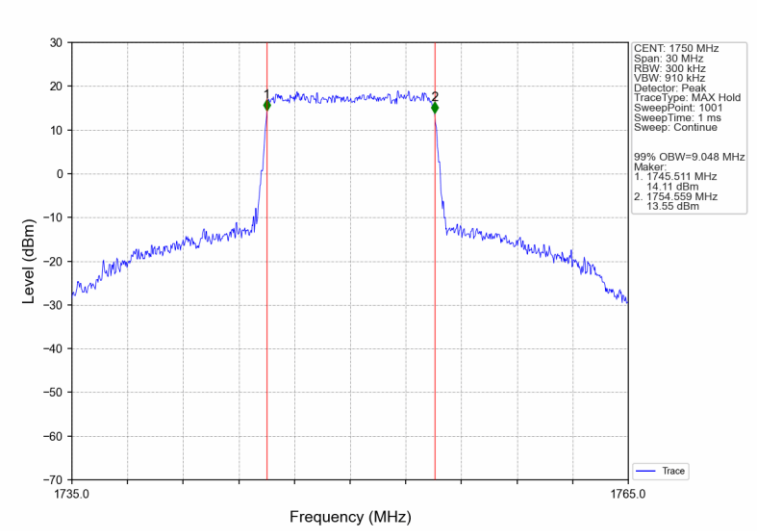
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



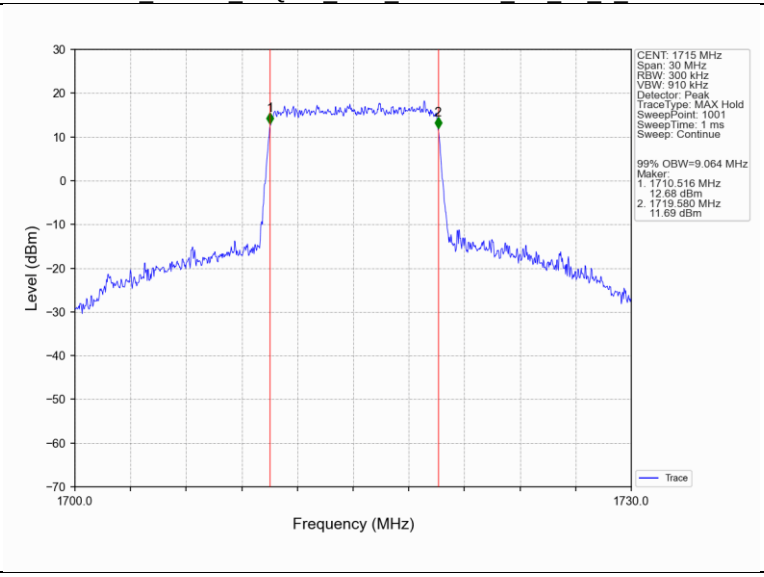
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



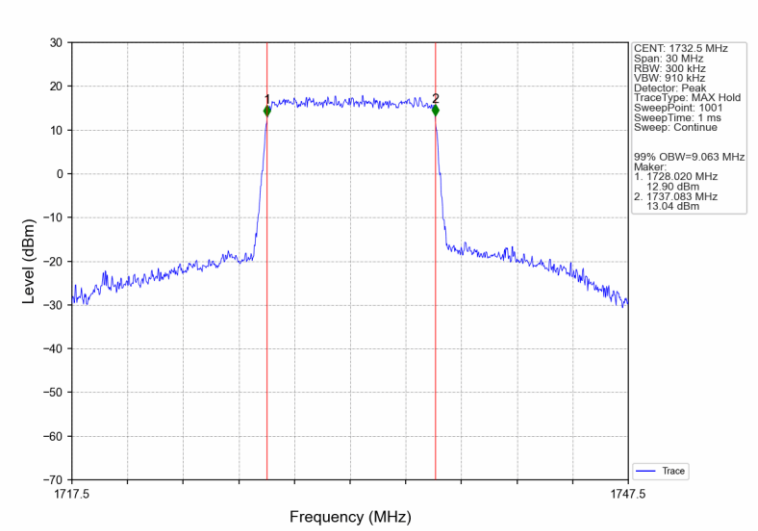
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



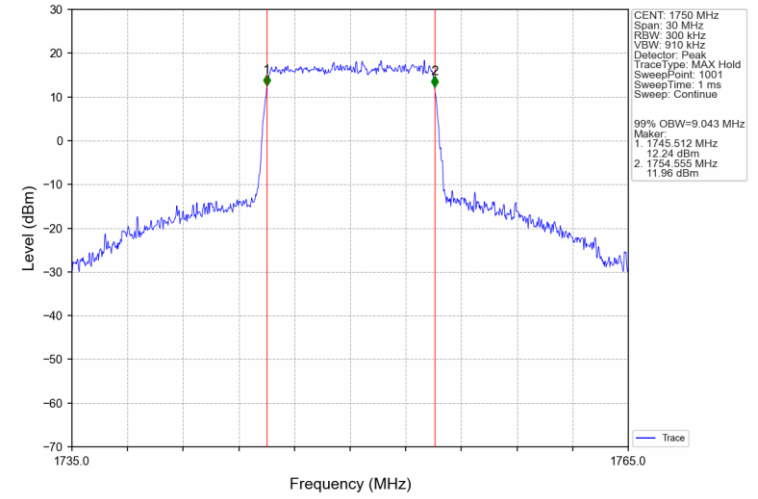
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



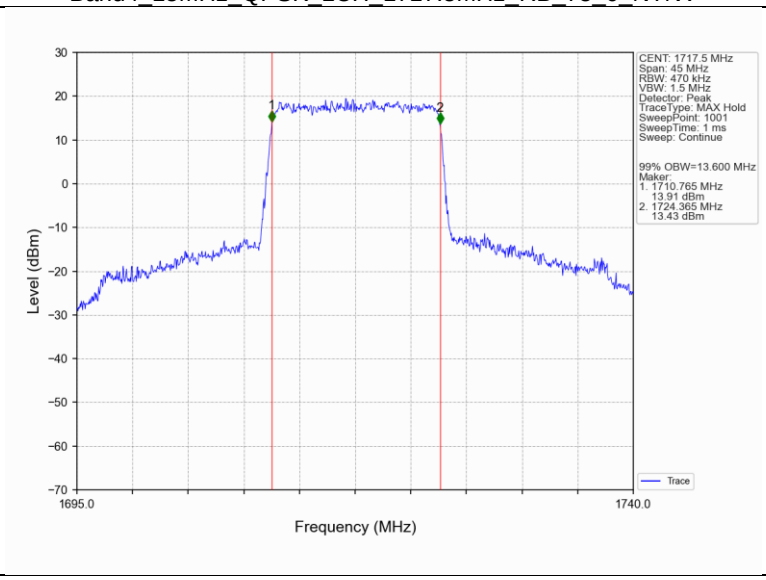
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



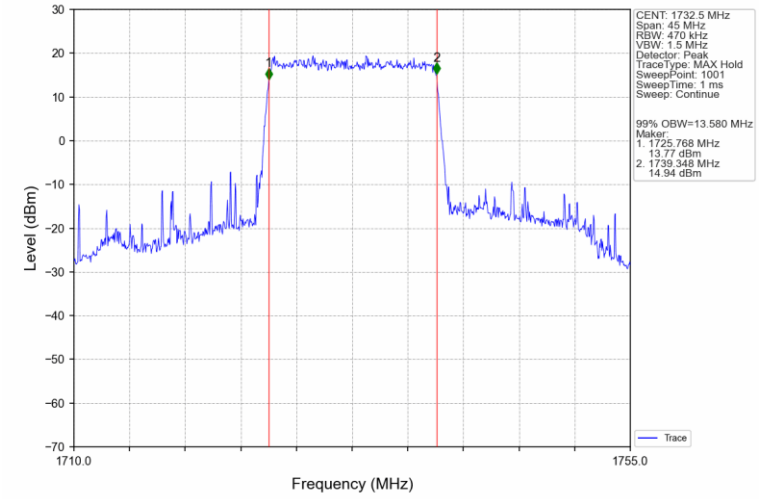
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



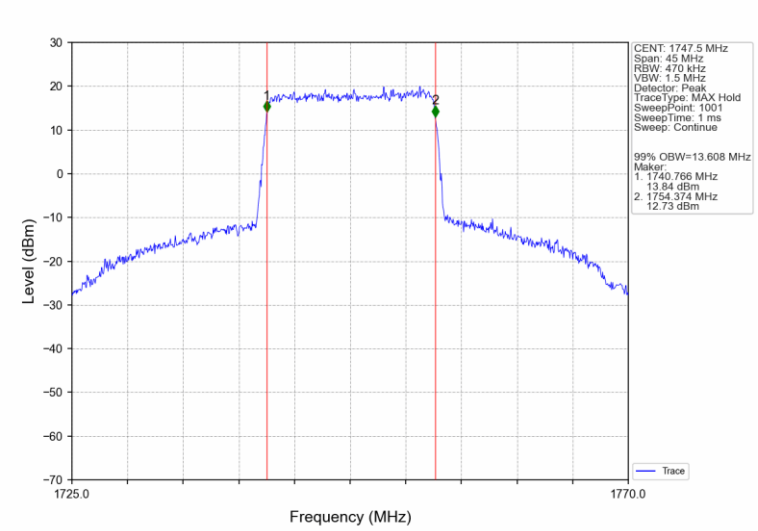
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



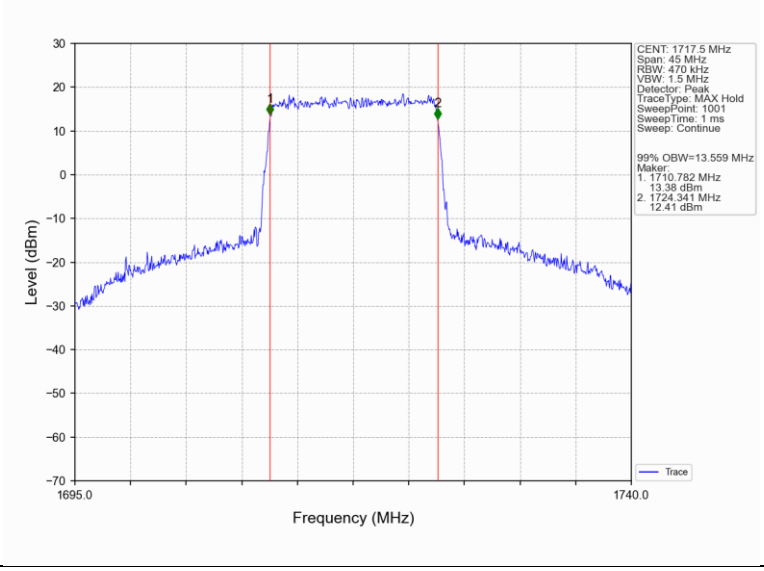
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



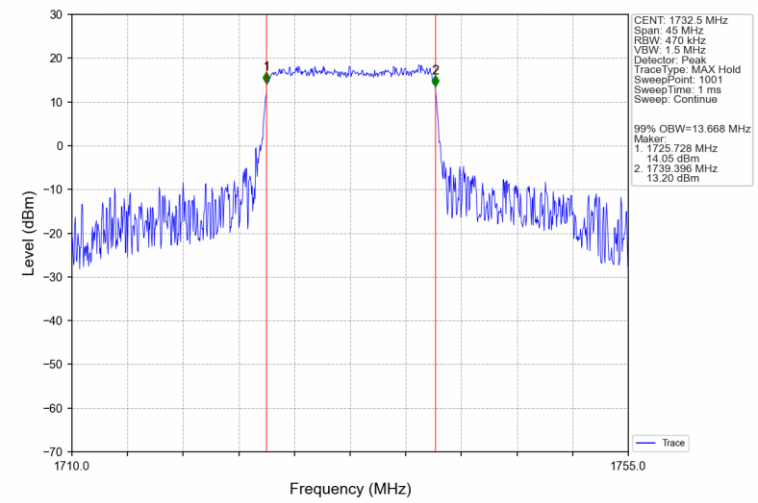
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



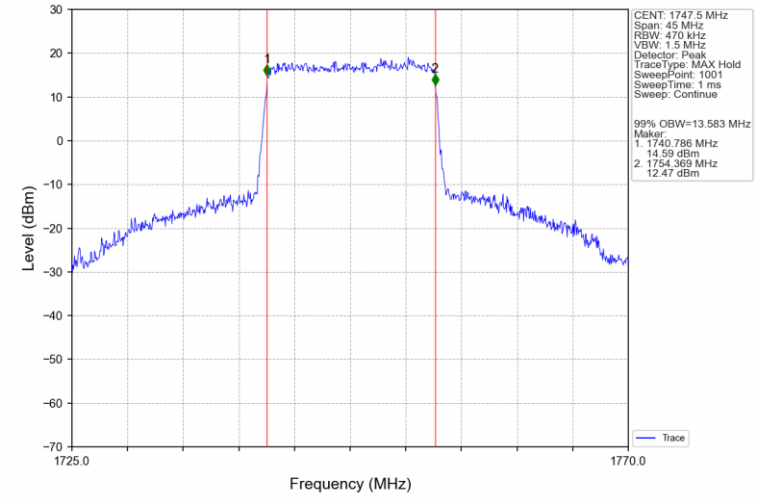
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



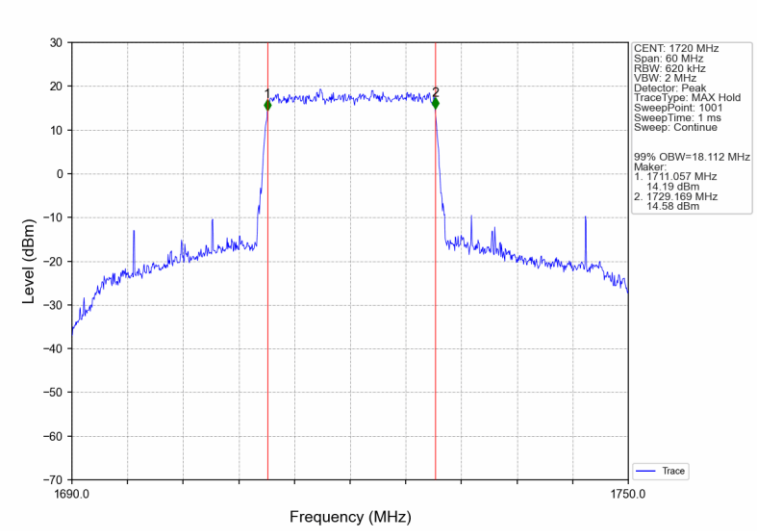
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



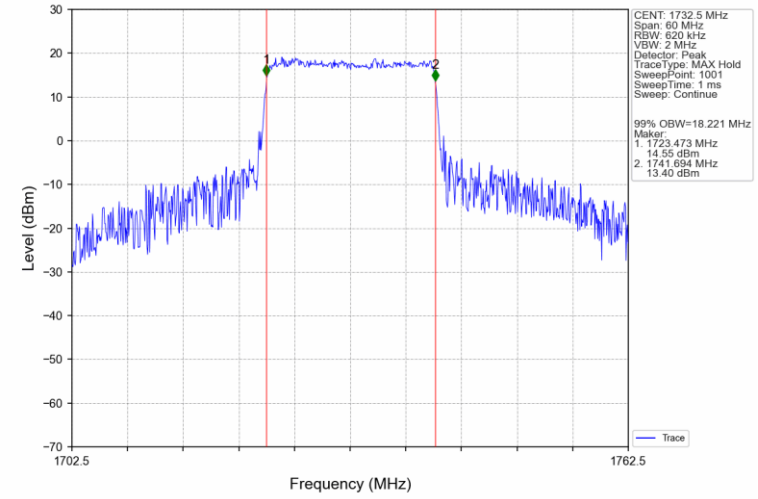
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



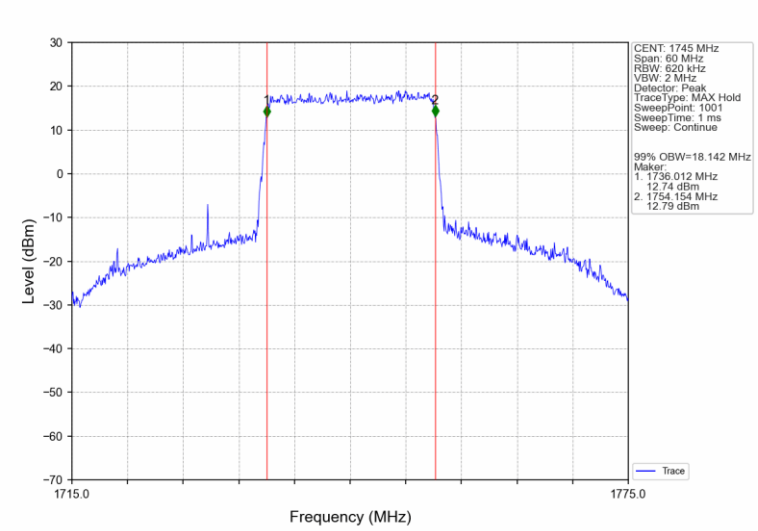
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



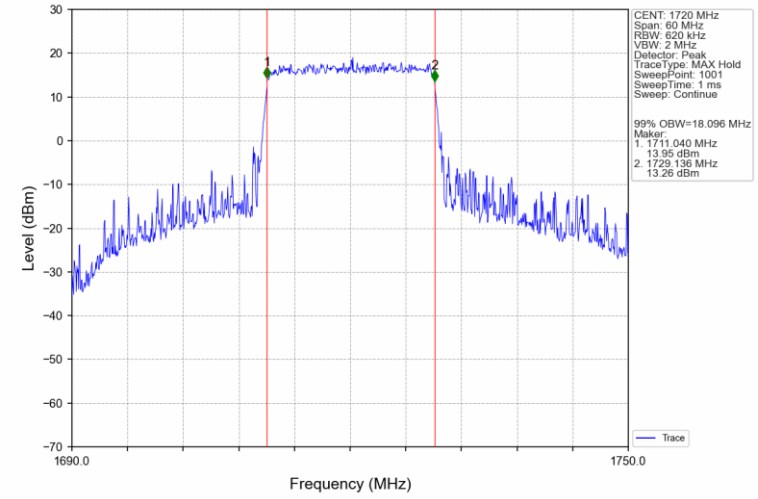
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



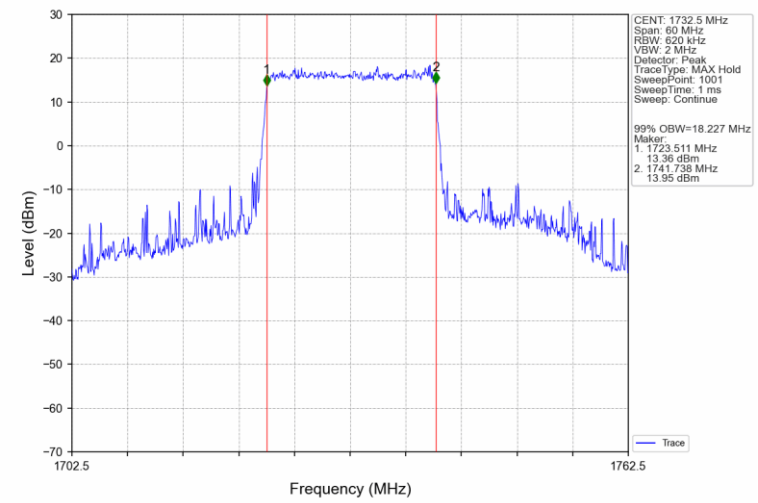
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



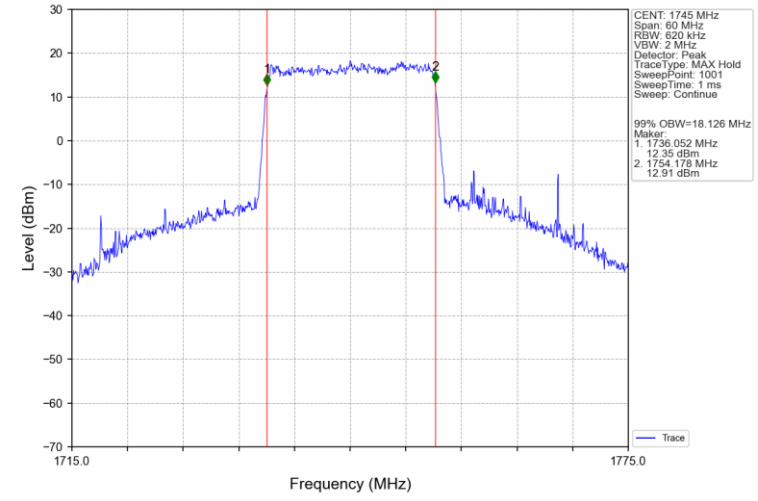
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

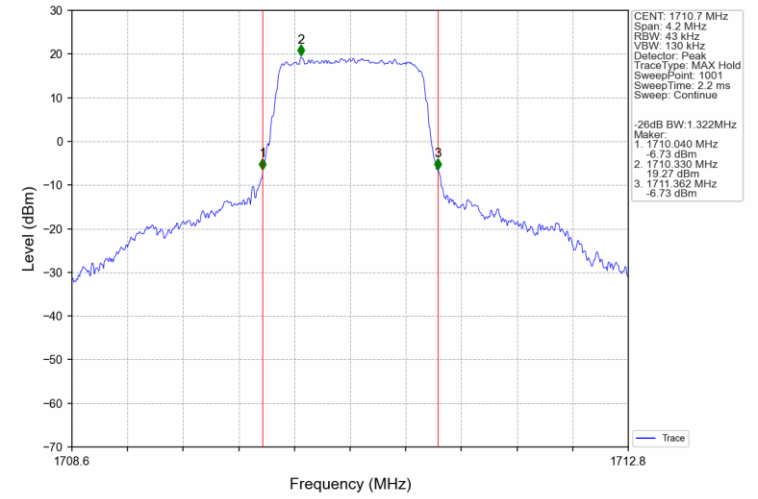


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

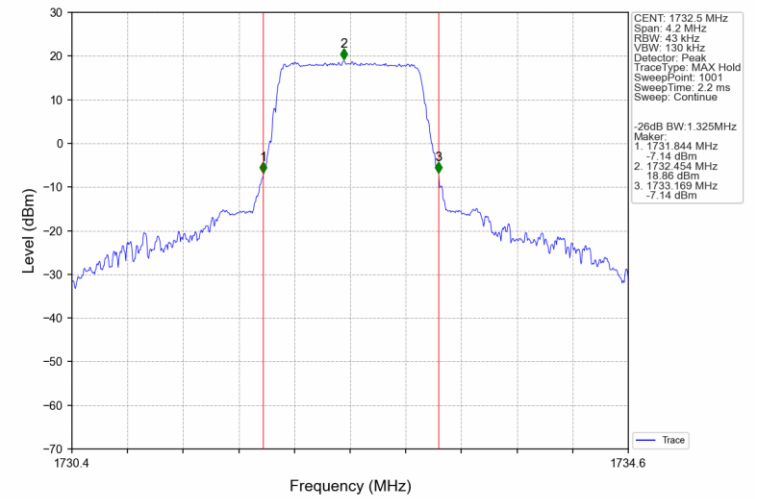


4.2.2 Band4_XDB

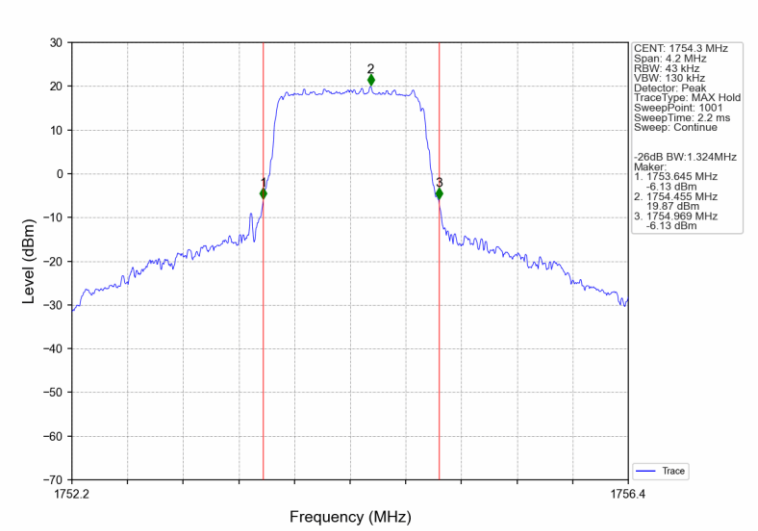
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



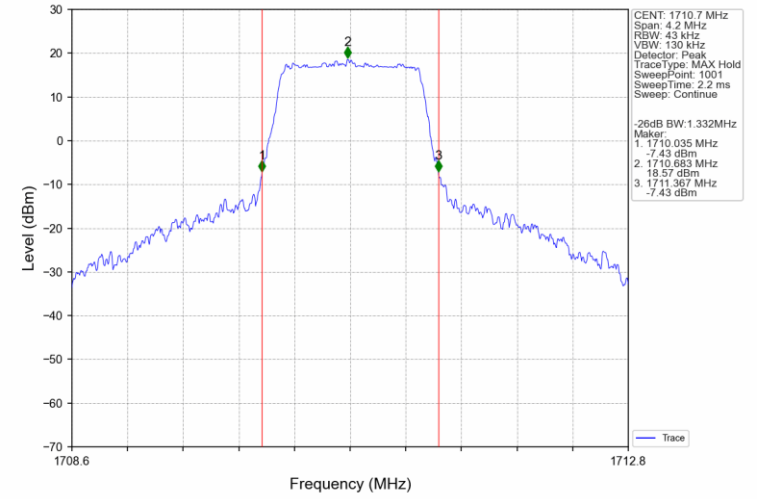
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



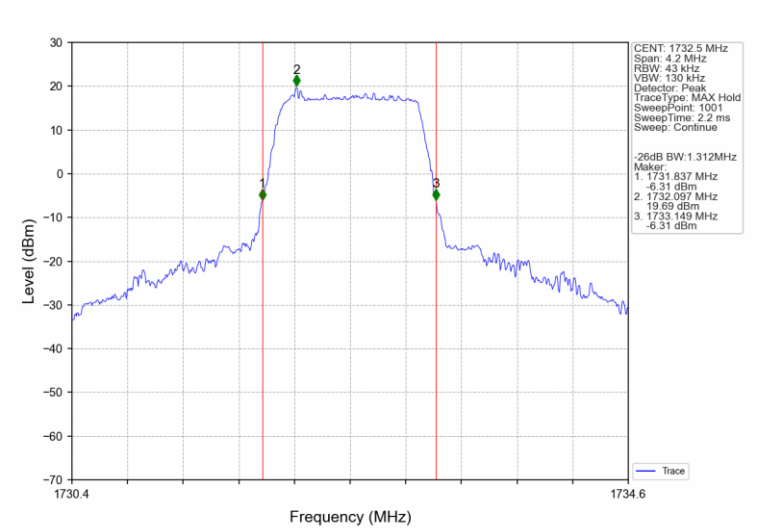
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



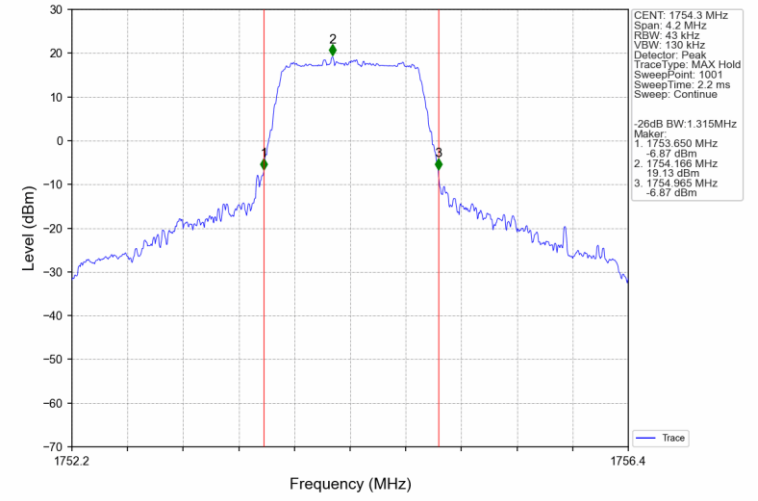
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



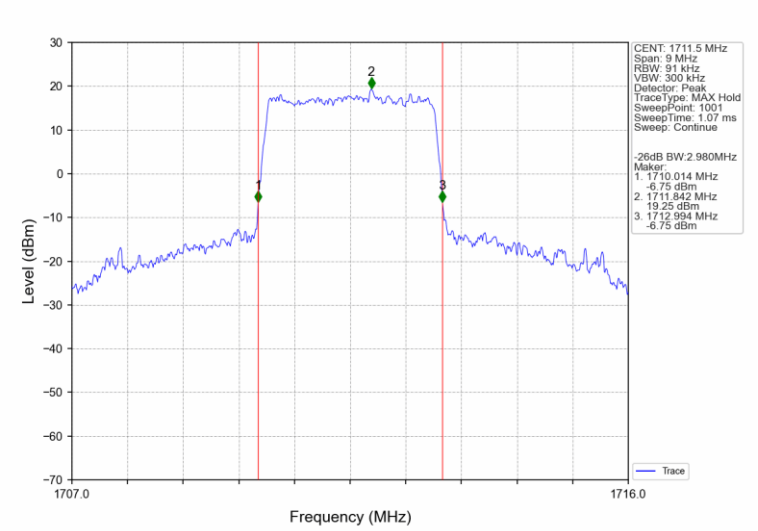
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



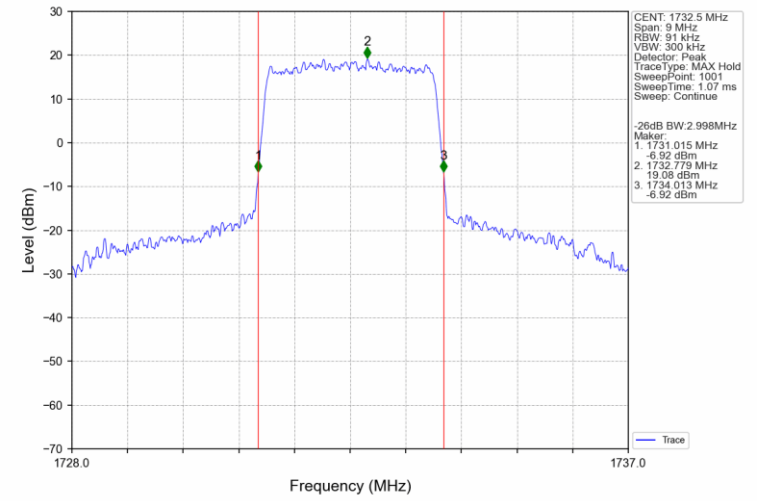
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



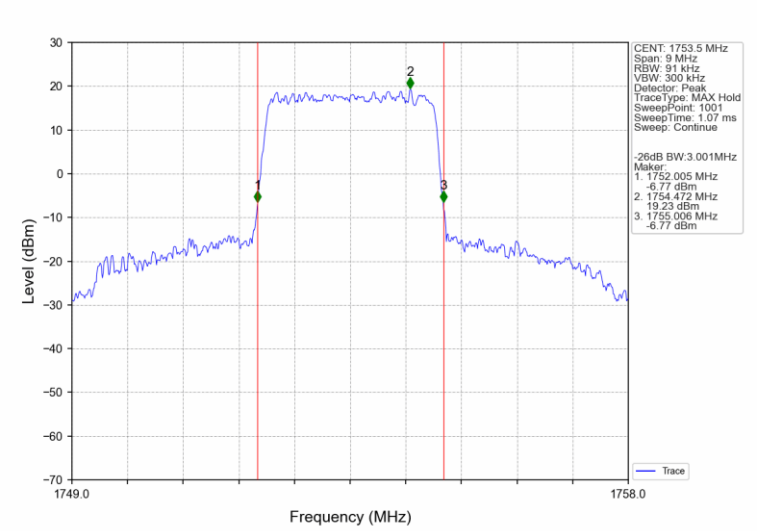
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



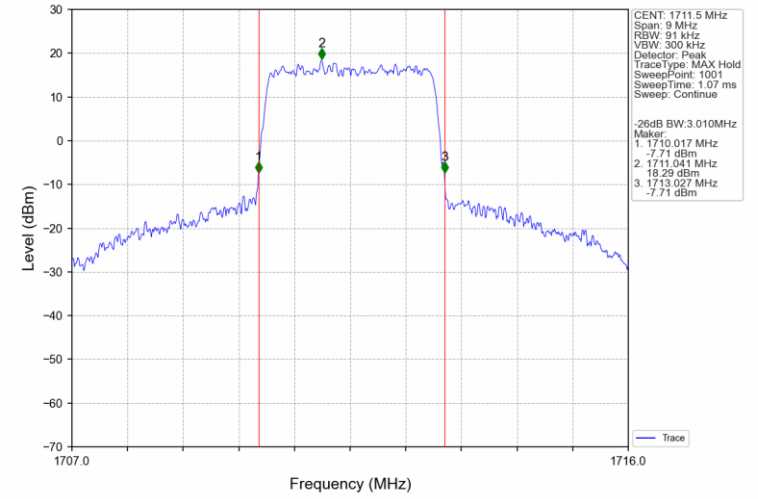
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



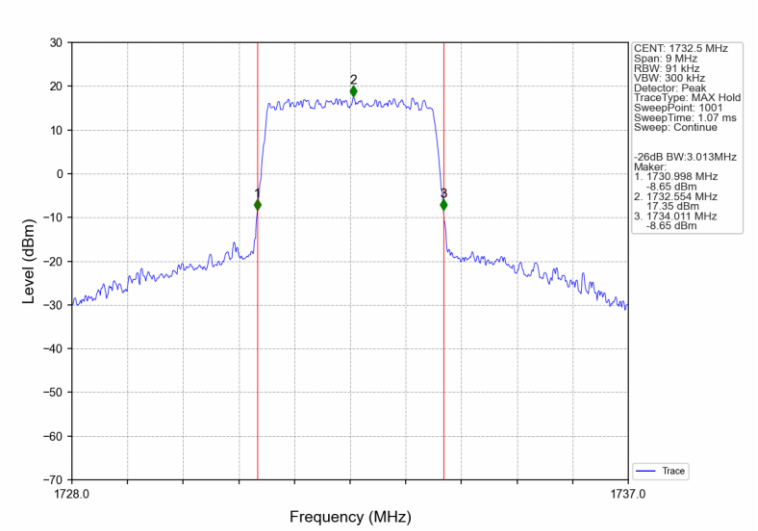
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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