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	23.59	-1.32	22.27	<=30	Pass
			2	23.80	-1.32	22.48	<=30	Pass
			5	23.57	-1.32	22.25	<=30	Pass
		3	0	23.66	-1.32	22.34	<=30	Pass
			2	23.71	-1.32	22.39	<=30	Pass
			3	23.67	-1.32	22.35	<=30	Pass
		6	0	22.63	-1.32	21.31	<=30	Pass
	1732.5	1	0	23.50	-1.32	22.18	<=30	Pass
			2	23.66	-1.32	22.34	<=30	Pass
			5	23.48	-1.32	22.16	<=30	Pass
		3	0	23.61	-1.32	22.29	<=30	Pass
			2	23.64	-1.32	22.32	<=30	Pass
			3	23.60	-1.32	22.28	<=30	Pass
		6	0	22.56	-1.32	21.24	<=30	Pass
	1754.3	1	0	23.42	-1.32	22.10	<=30	Pass
			2	23.60	-1.32	22.28	<=30	Pass
			5	23.42	-1.32	22.10	<=30	Pass
		3	0	23.53	-1.32	22.21	<=30	Pass
			2	23.54	-1.32	22.22	<=30	Pass
			3	23.52	-1.32	22.20	<=30	Pass
		6	0	22.50	-1.32	21.18	<=30	Pass
16QAM	1710.7	1	0	22.62	-1.32	21.30	<=30	Pass
			2	22.79	-1.32	21.47	<=30	Pass
			5	22.62	-1.32	21.30	<=30	Pass
		3	0	22.64	-1.32	21.32	<=30	Pass
			2	22.65	-1.32	21.33	<=30	Pass
			3	22.62	-1.32	21.30	<=30	Pass
		6	0	21.69	-1.32	20.37	<=30	Pass
	1732.5	1	0	22.85	-1.32	21.53	<=30	Pass
			2	23.08	-1.32	21.76	<=30	Pass
			5	22.82	-1.32	21.50	<=30	Pass
		3	0	22.76	-1.32	21.44	<=30	Pass
			2	22.78	-1.32	21.46	<=30	Pass
			3	22.73	-1.32	21.41	<=30	Pass
		6	0	21.60	-1.32	20.28	<=30	Pass
	1754.3	1	0	22.55	-1.32	21.23	<=30	Pass
			2	22.75	-1.32	21.43	<=30	Pass
			5	22.54	-1.32	21.22	<=30	Pass
		3	0	22.55	-1.32	21.23	<=30	Pass
			2	22.58	-1.32	21.26	<=30	Pass
			3	22.55	-1.32	21.23	<=30	Pass
		6	0	21.42	-1.32	20.10	<=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	23.58	-1.32	22.26	<=30	Pass
			7	23.63	-1.32	22.31	<=30	Pass
			14	23.57	-1.32	22.25	<=30	Pass
		8	0	22.54	-1.32	21.22	<=30	Pass
			4	22.62	-1.32	21.30	<=30	Pass
			7	22.55	-1.32	21.23	<=30	Pass
		15	0	22.52	-1.32	21.20	<=30	Pass
	1732.5	1	0	23.55	-1.32	22.23	<=30	Pass
			7	23.63	-1.32	22.31	<=30	Pass
			14	23.58	-1.32	22.26	<=30	Pass
		8	0	22.59	-1.32	21.27	<=30	Pass
			4	22.62	-1.32	21.30	<=30	Pass
			7	22.56	-1.32	21.24	<=30	Pass
		15	0	22.56	-1.32	21.24	<=30	Pass
	1753.5	1	0	23.47	-1.32	22.15	<=30	Pass
			7	23.44	-1.32	22.12	<=30	Pass
			14	23.43	-1.32	22.11	<=30	Pass
		8	0	22.51	-1.32	21.19	<=30	Pass
			4	22.52	-1.32	21.20	<=30	Pass
			7	22.49	-1.32	21.17	<=30	Pass
		15	0	22.43	-1.32	21.11	<=30	Pass
16QAM	1711.5	1	0	22.74	-1.32	21.42	<=30	Pass
			7	22.75	-1.32	21.43	<=30	Pass
			14	22.68	-1.32	21.36	<=30	Pass
		8	0	21.59	-1.32	20.27	<=30	Pass
			4	21.59	-1.32	20.27	<=30	Pass
			7	21.60	-1.32	20.28	<=30	Pass
		15	0	21.58	-1.32	20.26	<=30	Pass
	1732.5	1	0	22.72	-1.32	21.40	<=30	Pass
			7	22.73	-1.32	21.41	<=30	Pass
			14	22.65	-1.32	21.33	<=30	Pass
		8	0	21.76	-1.32	20.44	<=30	Pass
			4	21.81	-1.32	20.49	<=30	Pass
			7	21.80	-1.32	20.48	<=30	Pass
		15	0	21.63	-1.32	20.31	<=30	Pass
	1753.5	1	0	22.56	-1.32	21.24	<=30	Pass
			7	22.64	-1.32	21.32	<=30	Pass
			14	22.64	-1.32	21.32	<=30	Pass
		8	0	21.62	-1.32	20.30	<=30	Pass
			4	21.67	-1.32	20.35	<=30	Pass
			7	21.61	-1.32	20.29	<=30	Pass
		15	0	21.46	-1.32	20.14	<=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	23.49	-1.32	22.17	<=30	Pass
			13	23.58	-1.32	22.26	<=30	Pass
			24	23.48	-1.32	22.16	<=30	Pass
		12	0	22.54	-1.32	21.22	<=30	Pass
			6	22.60	-1.32	21.28	<=30	Pass
			13	22.54	-1.32	21.22	<=30	Pass
		25	0	22.58	-1.32	21.26	<=30	Pass
	1732.5	1	0	23.52	-1.32	22.20	<=30	Pass
			13	23.63	-1.32	22.31	<=30	Pass
			24	23.50	-1.32	22.18	<=30	Pass
		12	0	22.57	-1.32	21.25	<=30	Pass
			6	22.62	-1.32	21.30	<=30	Pass
			13	22.54	-1.32	21.22	<=30	Pass
		25	0	22.62	-1.32	21.30	<=30	Pass
	1752.5	1	0	23.42	-1.32	22.10	<=30	Pass
			13	23.53	-1.32	22.21	<=30	Pass
			24	23.43	-1.32	22.11	<=30	Pass
		12	0	22.42	-1.32	21.10	<=30	Pass
			6	22.49	-1.32	21.17	<=30	Pass
			13	22.45	-1.32	21.13	<=30	Pass
		25	0	22.42	-1.32	21.10	<=30	Pass
16QAM	1712.5	1	0	22.71	-1.32	21.39	<=30	Pass
			13	22.75	-1.32	21.43	<=30	Pass
			24	22.68	-1.32	21.36	<=30	Pass
		12	0	21.57	-1.32	20.25	<=30	Pass
			6	21.64	-1.32	20.32	<=30	Pass
			13	21.62	-1.32	20.30	<=30	Pass
		25	0	21.59	-1.32	20.27	<=30	Pass
	1732.5	1	0	22.83	-1.32	21.51	<=30	Pass
			13	22.94	-1.32	21.62	<=30	Pass
			24	22.81	-1.32	21.49	<=30	Pass
		12	0	21.54	-1.32	20.22	<=30	Pass
			6	21.61	-1.32	20.29	<=30	Pass
			13	21.57	-1.32	20.25	<=30	Pass
		25	0	21.65	-1.32	20.33	<=30	Pass
	1752.5	1	0	22.56	-1.32	21.24	<=30	Pass
			13	22.68	-1.32	21.36	<=30	Pass
			24	22.58	-1.32	21.26	<=30	Pass
		12	0	21.37	-1.32	20.05	<=30	Pass
			6	21.42	-1.32	20.10	<=30	Pass
			13	21.43	-1.32	20.11	<=30	Pass
		25	0	21.40	-1.32	20.08	<=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	23.64	-1.32	22.32	<=30	Pass
			25	23.77	-1.32	22.45	<=30	Pass
			49	23.67	-1.32	22.35	<=30	Pass
		25	0	22.58	-1.32	21.26	<=30	Pass
			13	22.61	-1.32	21.29	<=30	Pass
			25	22.66	-1.32	21.34	<=30	Pass
		50	0	22.62	-1.32	21.30	<=30	Pass
	1732.5	1	0	23.58	-1.32	22.26	<=30	Pass
			25	23.70	-1.32	22.38	<=30	Pass
			49	23.55	-1.32	22.23	<=30	Pass
		25	0	22.68	-1.32	21.36	<=30	Pass
			13	22.64	-1.32	21.32	<=30	Pass
			25	22.64	-1.32	21.32	<=30	Pass
		50	0	22.66	-1.32	21.34	<=30	Pass
	1750	1	0	23.48	-1.32	22.16	<=30	Pass
			25	23.58	-1.32	22.26	<=30	Pass
			49	23.46	-1.32	22.14	<=30	Pass
		25	0	22.48	-1.32	21.16	<=30	Pass
			13	22.49	-1.32	21.17	<=30	Pass
			25	22.50	-1.32	21.18	<=30	Pass
		50	0	22.45	-1.32	21.13	<=30	Pass
16QAM	1715	1	0	22.62	-1.32	21.30	<=30	Pass
			25	22.76	-1.32	21.44	<=30	Pass
			49	22.66	-1.32	21.34	<=30	Pass
		25	0	21.61	-1.32	20.29	<=30	Pass
			13	21.67	-1.32	20.35	<=30	Pass
			25	21.71	-1.32	20.39	<=30	Pass
		50	0	21.62	-1.32	20.30	<=30	Pass
	1732.5	1	0	22.84	-1.32	21.52	<=30	Pass
			25	22.94	-1.32	21.62	<=30	Pass
			49	22.78	-1.32	21.46	<=30	Pass
		25	0	21.75	-1.32	20.43	<=30	Pass
			13	21.72	-1.32	20.40	<=30	Pass
			25	21.73	-1.32	20.41	<=30	Pass
		50	0	21.70	-1.32	20.38	<=30	Pass
	1750	1	0	22.57	-1.32	21.25	<=30	Pass
			25	22.70	-1.32	21.38	<=30	Pass
			49	22.62	-1.32	21.30	<=30	Pass
		25	0	21.47	-1.32	20.15	<=30	Pass
			13	21.49	-1.32	20.17	<=30	Pass
			25	21.52	-1.32	20.20	<=30	Pass
		50	0	21.44	-1.32	20.12	<=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	23.56	-1.32	22.24	<=30	Pass
			38	23.70	-1.32	22.38	<=30	Pass
			74	23.56	-1.32	22.24	<=30	Pass
		36	0	22.69	-1.32	21.37	<=30	Pass
			18	22.78	-1.32	21.46	<=30	Pass
			39	22.78	-1.32	21.46	<=30	Pass
		75	0	22.78	-1.32	21.46	<=30	Pass
	1732.5	1	0	23.51	-1.32	22.19	<=30	Pass
			38	23.58	-1.32	22.26	<=30	Pass
			74	23.42	-1.32	22.10	<=30	Pass
		36	0	22.68	-1.32	21.36	<=30	Pass
			18	22.68	-1.32	21.36	<=30	Pass
			39	22.65	-1.32	21.33	<=30	Pass
		75	0	22.67	-1.32	21.35	<=30	Pass
	1747.5	1	0	23.37	-1.32	22.05	<=30	Pass
			38	23.46	-1.32	22.14	<=30	Pass
			74	23.33	-1.32	22.01	<=30	Pass
		36	0	22.56	-1.32	21.24	<=30	Pass
			18	22.61	-1.32	21.29	<=30	Pass
			39	22.60	-1.32	21.28	<=30	Pass
		75	0	22.60	-1.32	21.28	<=30	Pass
16QAM	1717.5	1	0	22.59	-1.32	21.27	<=30	Pass
			38	22.71	-1.32	21.39	<=30	Pass
			74	22.57	-1.32	21.25	<=30	Pass
		36	0	21.60	-1.32	20.28	<=30	Pass
			18	21.68	-1.32	20.36	<=30	Pass
			39	21.70	-1.32	20.38	<=30	Pass
		75	0	21.70	-1.32	20.38	<=30	Pass
	1732.5	1	0	22.74	-1.32	21.42	<=30	Pass
			38	22.82	-1.32	21.50	<=30	Pass
			74	22.62	-1.32	21.30	<=30	Pass
		36	0	21.65	-1.32	20.33	<=30	Pass
			18	21.66	-1.32	20.34	<=30	Pass
			39	21.62	-1.32	20.30	<=30	Pass
		75	0	21.65	-1.32	20.33	<=30	Pass
	1747.5	1	0	22.82	-1.32	21.50	<=30	Pass
			38	22.85	-1.32	21.53	<=30	Pass
			74	22.76	-1.32	21.44	<=30	Pass
		36	0	21.47	-1.32	20.15	<=30	Pass
			18	21.49	-1.32	20.17	<=30	Pass
			39	21.49	-1.32	20.17	<=30	Pass
		75	0	21.49	-1.32	20.17	<=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	23.38	-1.32	22.06	<=30	Pass
			50	23.74	-1.32	22.42	<=30	Pass
			99	23.35	-1.32	22.03	<=30	Pass
		50	0	22.51	-1.32	21.19	<=30	Pass
			25	22.64	-1.32	21.32	<=30	Pass
			50	22.60	-1.32	21.28	<=30	Pass
		100	0	22.61	-1.32	21.29	<=30	Pass
	1732.5	1	0	23.40	-1.32	22.08	<=30	Pass
			50	23.72	-1.32	22.40	<=30	Pass
			99	23.28	-1.32	21.96	<=30	Pass
		50	0	22.64	-1.32	21.32	<=30	Pass
			25	22.62	-1.32	21.30	<=30	Pass
			50	22.59	-1.32	21.27	<=30	Pass
		100	0	22.63	-1.32	21.31	<=30	Pass
	1745	1	0	23.25	-1.32	21.93	<=30	Pass
			50	23.58	-1.32	22.26	<=30	Pass
			99	23.22	-1.32	21.90	<=30	Pass
		50	0	22.47	-1.32	21.15	<=30	Pass
			25	22.51	-1.32	21.19	<=30	Pass
			50	22.50	-1.32	21.18	<=30	Pass
		100	0	22.50	-1.32	21.18	<=30	Pass
16QAM	1720	1	0	22.56	-1.32	21.24	<=30	Pass
			50	22.92	-1.32	21.60	<=30	Pass
			99	22.56	-1.32	21.24	<=30	Pass
		50	0	21.52	-1.32	20.20	<=30	Pass
			25	21.68	-1.32	20.36	<=30	Pass
			50	21.66	-1.32	20.34	<=30	Pass
		100	0	21.63	-1.32	20.31	<=30	Pass
	1732.5	1	0	22.58	-1.32	21.26	<=30	Pass
			50	22.97	-1.32	21.65	<=30	Pass
			99	22.45	-1.32	21.13	<=30	Pass
		50	0	21.68	-1.32	20.36	<=30	Pass
			25	21.67	-1.32	20.35	<=30	Pass
			50	21.62	-1.32	20.30	<=30	Pass
		100	0	21.70	-1.32	20.38	<=30	Pass
	1745	1	0	22.71	-1.32	21.39	<=30	Pass
			50	22.91	-1.32	21.59	<=30	Pass
			99	22.61	-1.32	21.29	<=30	Pass
		50	0	21.54	-1.32	20.22	<=30	Pass
			25	21.53	-1.32	20.21	<=30	Pass
			50	21.50	-1.32	20.18	<=30	Pass
		100	0	21.52	-1.32	20.20	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-3.662	-0.0021	-2.5 to 2.5	Pass
					3.85	-5.050	-0.0030	-2.5 to 2.5	Pass
					4.43	1.659	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-3.920	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-5.808	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-4.878	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-4.392	-0.0026	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-2.446	-0.0014	-2.5 to 2.5	Pass
					3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.947	-0.0017	-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	-5.436	-0.0031	-2.5 to 2.5	Pass
					4.43	-4.020	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-4.077	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-4.764	-0.0027	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-6.738	-0.0039	-2.5 to 2.5	Pass
					3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
					4.43	-7.553	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-4.563	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-2.832	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-4.034	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-3.891	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-6.051	-0.0035	-2.5 to 2.5	Pass
					3.85	-7.310	-0.0042	-2.5 to 2.5	Pass
					4.43	-5.808	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass

				-10	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				30	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-5.236	-0.0030	-2.5 to 2.5	Pass
					3.85	-6.680	-0.0038	-2.5 to 2.5	Pass
					4.43	-4.406	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-3.748	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-9.041	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-8.068	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-9.170	-0.0052	-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	-11.258	-0.0066	-2.5 to 2.5	Pass
					3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
					4.43	-6.037	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-4.907	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-5.250	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-4.034	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-7.510	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-7.911	-0.0046	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-7.553	-0.0044	-2.5 to 2.5	Pass
					3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
					4.43	-5.980	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-6.709	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-3.448	-0.0020	-2.5 to 2.5	Pass
					3.85	-7.224	-0.0041	-2.5 to 2.5	Pass
					4.43	-1.817	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-8.397	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-3.390	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-5.851	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-9.069	-0.0052	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-6.309	-0.0037	-2.5 to 2.5	Pass
					3.85	-1.945	-0.0011	-2.5 to 2.5	Pass

					4.43	-3.376	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-5.336	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-2.403	-0.0014	-2.5 to 2.5	Pass
					3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.815	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.772	0.0004	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-7.210	-0.0041	-2.5 to 2.5	Pass
					3.85	-7.153	-0.0041	-2.5 to 2.5	Pass
					4.43	-6.866	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-8.397	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-5.679	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-6.266	-0.0036	-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	-8.011	-0.0047	-2.5 to 2.5	Pass
					3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
					4.43	-4.792	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-4.106	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-5.579	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-7.710	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-4.935	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-6.123	-0.0036	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-6.223	-0.0036	-2.5 to 2.5	Pass
					3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
					4.43	-6.709	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-7.424	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-7.353	-0.0042	-2.5 to 2.5	Pass

				50	3.85	-3.691	-0.0021	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-5.593	-0.0032	-2.5 to 2.5	Pass
					3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
					4.43	-7.253	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-6.666	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-8.841	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-5.150	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-7.854	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-7.424	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-9.141	-0.0052	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-3.648	-0.0021	-2.5 to 2.5	Pass
					3.85	-7.138	-0.0042	-2.5 to 2.5	Pass
					4.43	-4.721	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-9.842	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-7.954	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-7.524	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-5.822	-0.0034	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-2.604	-0.0015	-2.5 to 2.5	Pass
					3.85	-5.093	-0.0029	-2.5 to 2.5	Pass
					4.43	-3.748	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-9.241	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-10.171	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-4.106	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-8.097	-0.0047	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-3.304	-0.0019	-2.5 to 2.5	Pass
					3.85	-5.465	-0.0031	-2.5 to 2.5	Pass
					4.43	-7.725	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-8.497	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-5.121	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-6.351	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-5.980	-0.0034	-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	-5.736	-0.0033	-2.5 to 2.5	Pass
					3.85	-3.548	-0.0021	-2.5 to 2.5	Pass
					4.43	-7.439	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-3.533	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-4.048	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-4.621	-0.0027	-2.5 to 2.5	Pass

				10	3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-2.432	-0.0014	-2.5 to 2.5	Pass
					3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
					4.43	-6.208	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-6.781	-0.0039	-2.5 to 2.5	Pass
					3.85	-5.121	-0.0029	-2.5 to 2.5	Pass
					4.43	-3.376	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-5.465	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-5.136	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-9.012	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-9.098	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-9.112	-0.0052	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-8.025	-0.0047	-2.5 to 2.5	Pass
					3.85	-4.048	-0.0024	-2.5 to 2.5	Pass
					4.43	-4.578	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-4.950	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-9.799	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-6.666	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-4.220	-0.0025	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-4.706	-0.0027	-2.5 to 2.5	Pass
					3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
					4.43	-4.435	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-7.997	-0.0046	-2.5 to 2.5	Pass
					3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
					4.43	-2.246	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-3.920	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-7.868	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-5.121	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-7.496	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-4.907	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-7.968	-0.0046	-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	-4.377	-0.0025	-2.5 to 2.5	Pass
					3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
					4.43	-6.824	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-5.436	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-6.709	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-4.263	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-7.625	-0.0044	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-4.563	-0.0026	-2.5 to 2.5	Pass
					3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
					4.43	-1.688	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-4.249	-0.0024	-2.5 to 2.5	Pass
					3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
					4.43	-7.396	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-7.610	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-3.390	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-7.739	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-6.781	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-6.280	-0.0037	-2.5 to 2.5	Pass
					3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
					4.43	-4.148	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-6.137	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-5.250	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-10.042	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-6.495	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-9.427	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-4.964	-0.0029	-2.5 to 2.5	Pass
					3.85	-7.310	-0.0042	-2.5 to 2.5	Pass
					4.43	-0.215	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass

				30	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-4.535	-0.0026	-2.5 to 2.5	Pass
					3.85	-5.422	-0.0031	-2.5 to 2.5	Pass
					4.43	-3.548	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-8.512	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-8.197	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-6.895	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-6.180	-0.0035	-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	-6.437	-0.0037	-2.5 to 2.5	Pass
					3.85	-8.140	-0.0047	-2.5 to 2.5	Pass
					4.43	-4.034	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-6.008	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-5.965	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-4.263	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-6.824	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-6.294	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-4.921	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-3.805	-0.0022	-2.5 to 2.5	Pass
					3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
					4.43	-6.051	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-8.426	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-7.482	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-4.263	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-7.253	-0.0042	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-1.945	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.101	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-5.522	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-3.033	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-5.093	-0.0030	-2.5 to 2.5	Pass
					3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
					4.43	-4.721	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-5.865	-0.0034	-2.5 to 2.5	Pass

				-10	3.85	-7.153	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-5.622	-0.0033	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-7.753	-0.0045	-2.5 to 2.5	Pass
					3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
					4.43	-8.268	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-6.394	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-3.219	-0.0019	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.977	-0.0023	-2.5 to 2.5	Pass
					3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
					4.43	-5.794	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-4.792	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				10	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				30	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-0.658	-0.0004	-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

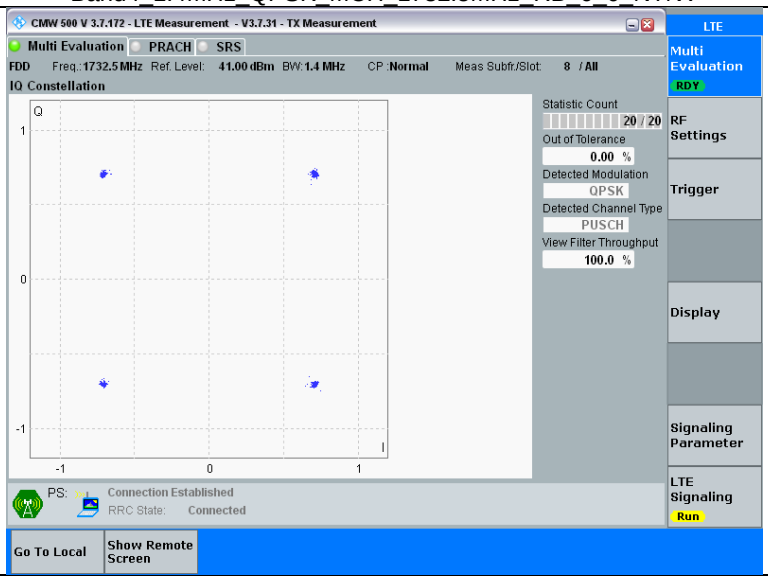
3.1.6 B4_20MHz

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

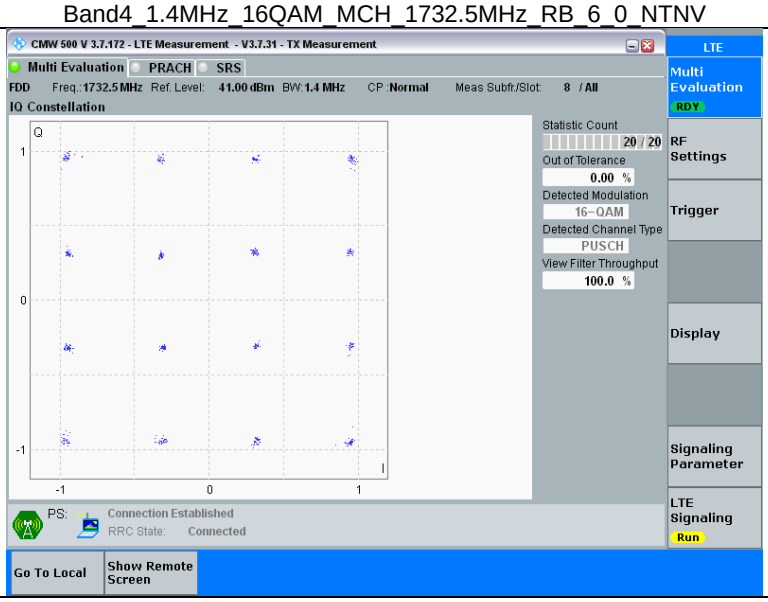
3.2 Test Graph

3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

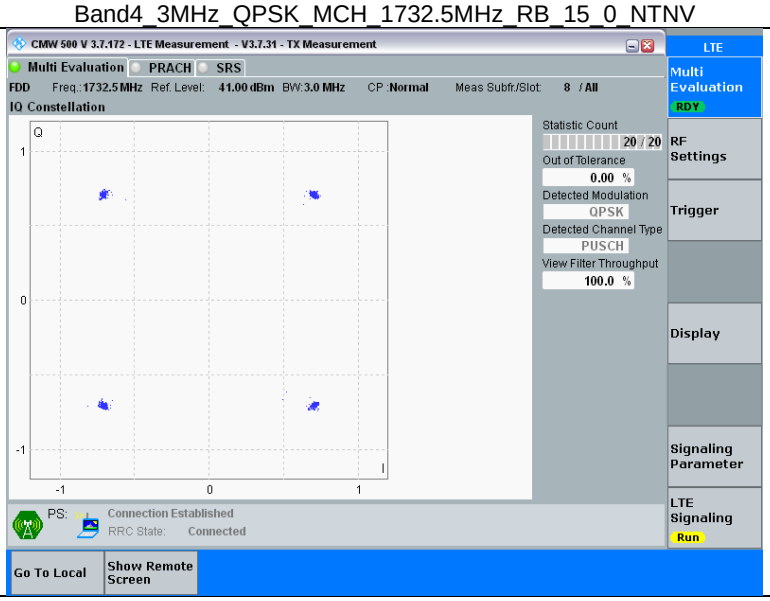


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

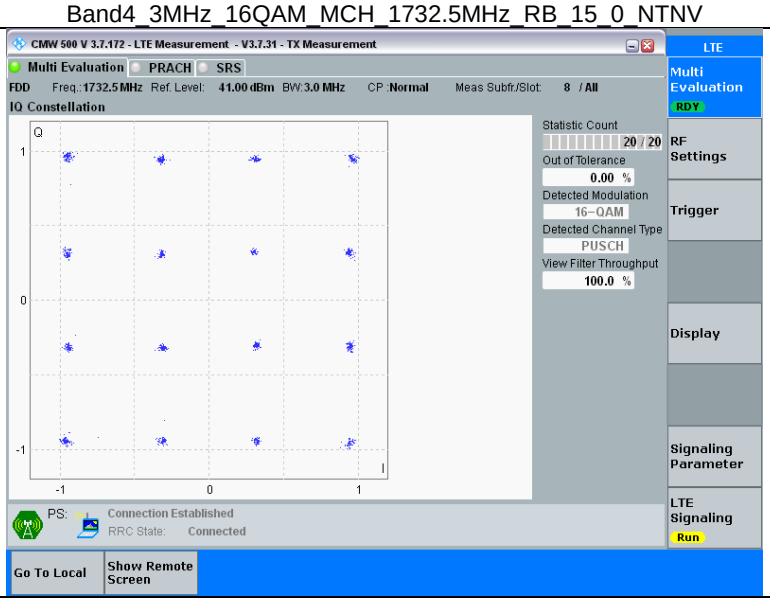


3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

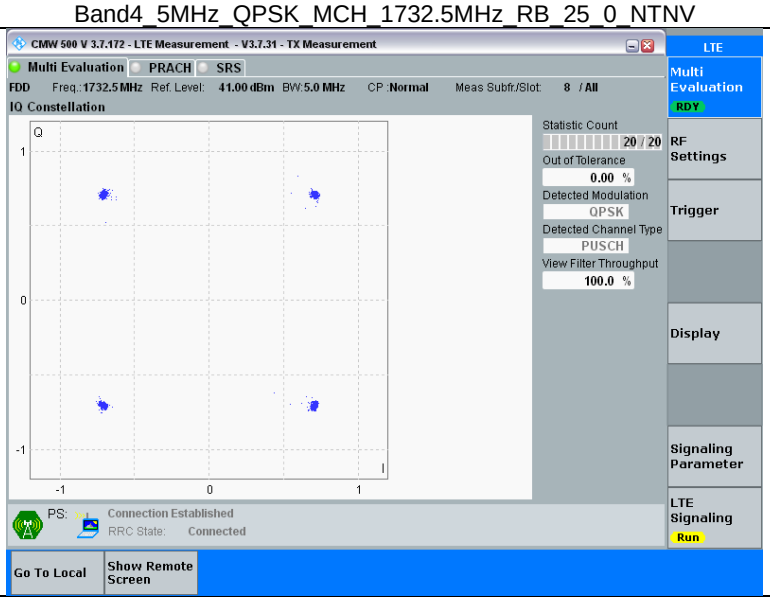


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

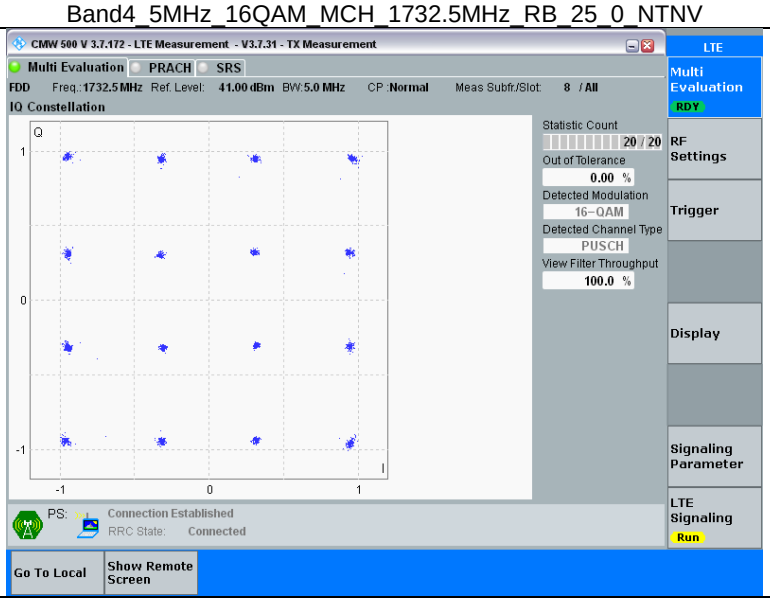


3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

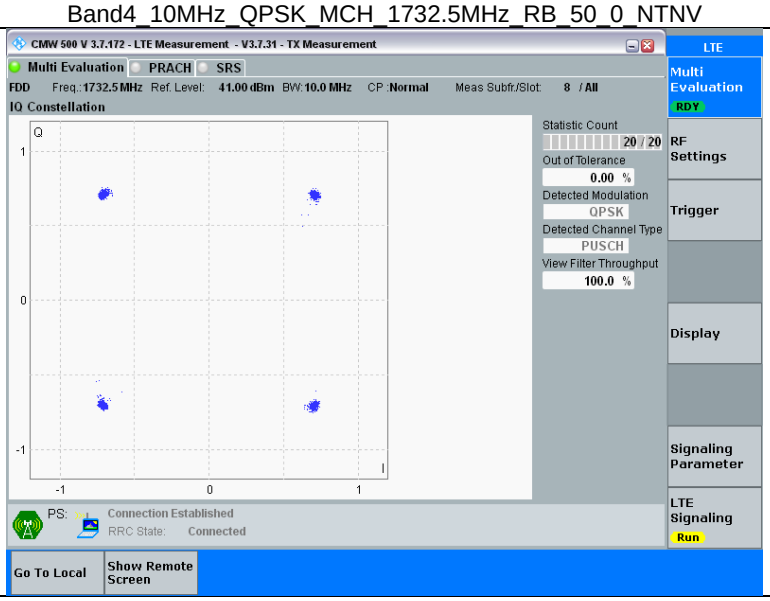


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

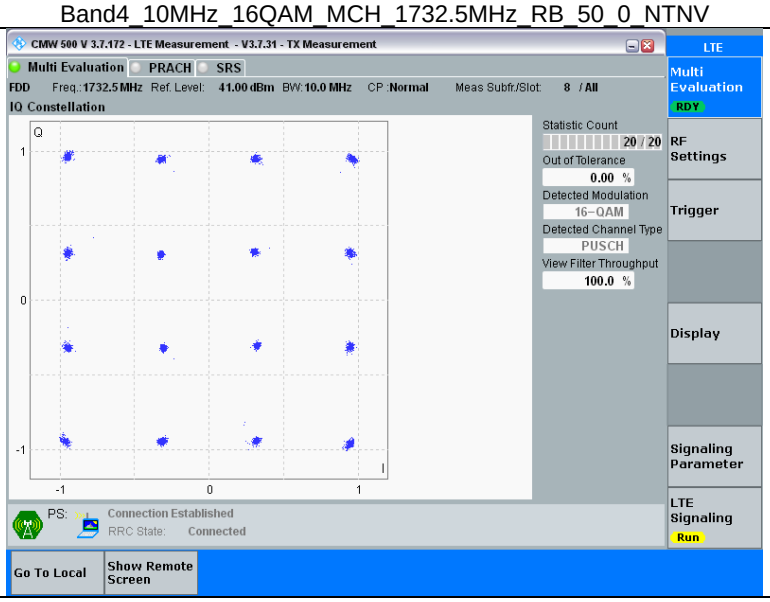


3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

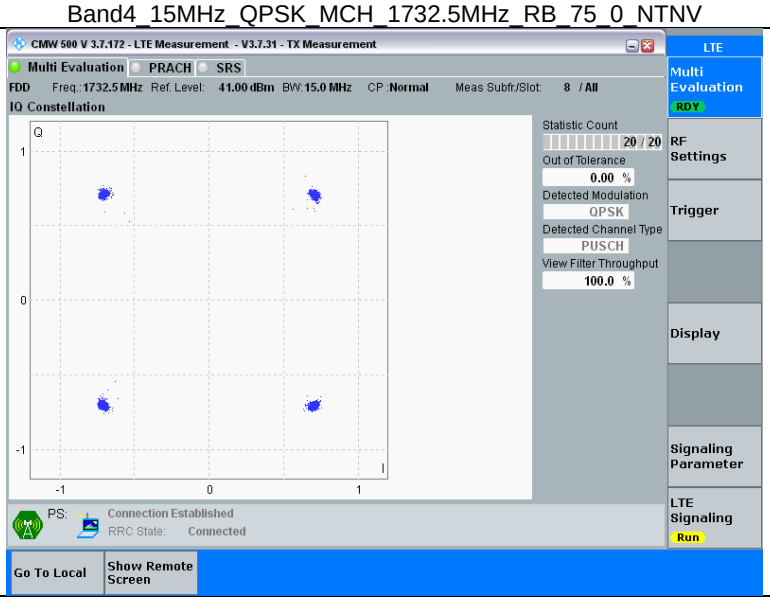


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

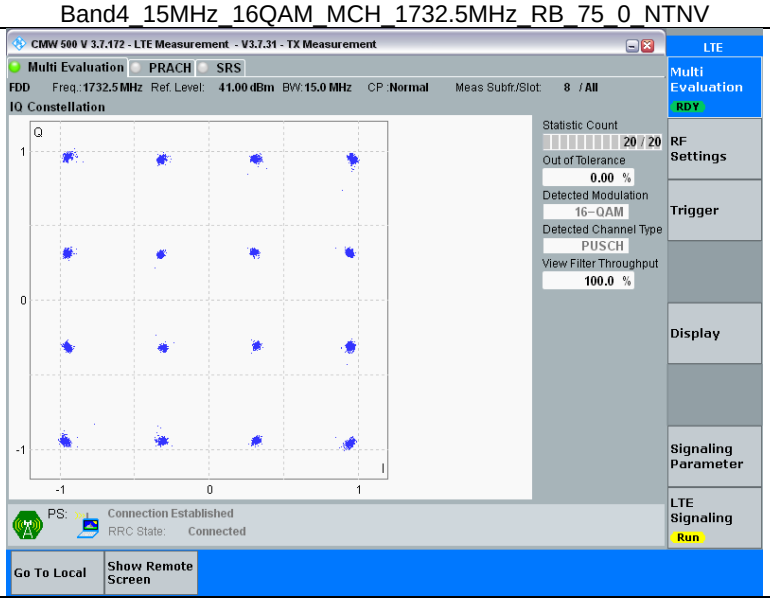


3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

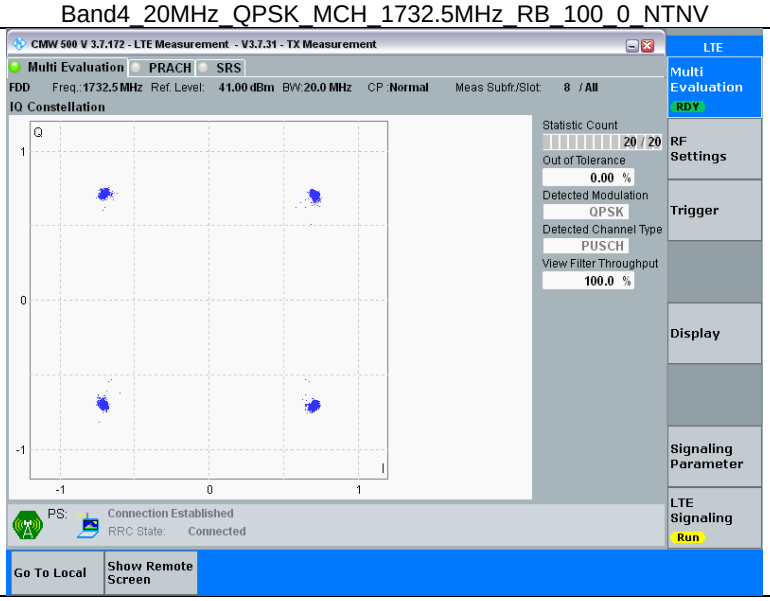


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

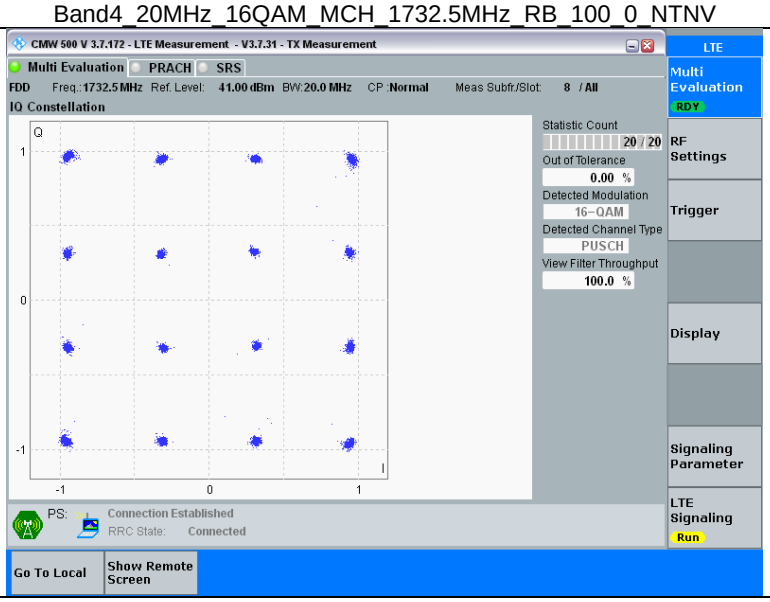


3.2.6 B4_20MHz

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	1.105	/	Pass
		1732.5	6	0	1.118	/	Pass
		1754.3	6	0	1.112	/	Pass
	16QAM	1710.7	6	0	1.116	/	Pass
		1732.5	6	0	1.108	/	Pass
		1754.3	6	0	1.108	/	Pass
3	QPSK	1711.5	15	0	2.724	/	Pass
		1732.5	15	0	2.728	/	Pass
		1753.5	15	0	2.730	/	Pass
	16QAM	1711.5	15	0	2.718	/	Pass
		1732.5	15	0	2.722	/	Pass
		1753.5	15	0	2.721	/	Pass
5	QPSK	1712.5	25	0	4.550	/	Pass
		1732.5	25	0	4.541	/	Pass
		1752.5	25	0	4.547	/	Pass
	16QAM	1712.5	25	0	4.536	/	Pass
		1732.5	25	0	4.543	/	Pass
		1752.5	25	0	4.555	/	Pass
10	QPSK	1715	50	0	9.091	/	Pass
		1732.5	50	0	9.098	/	Pass
		1750	50	0	9.057	/	Pass
	16QAM	1715	50	0	9.074	/	Pass
		1732.5	50	0	9.060	/	Pass
		1750	50	0	9.058	/	Pass
15	QPSK	1717.5	75	0	13.619	/	Pass
		1732.5	75	0	13.616	/	Pass
		1747.5	75	0	13.554	/	Pass
	16QAM	1717.5	75	0	13.585	/	Pass
		1732.5	75	0	13.598	/	Pass
		1747.5	75	0	13.594	/	Pass
20	QPSK	1720	100	0	18.117	/	Pass
		1732.5	100	0	18.168	/	Pass
		1745	100	0	18.148	/	Pass
	16QAM	1720	100	0	18.096	/	Pass
		1732.5	100	0	18.142	/	Pass
		1745	100	0	18.185	/	Pass

4.1.2 Band4_XDB

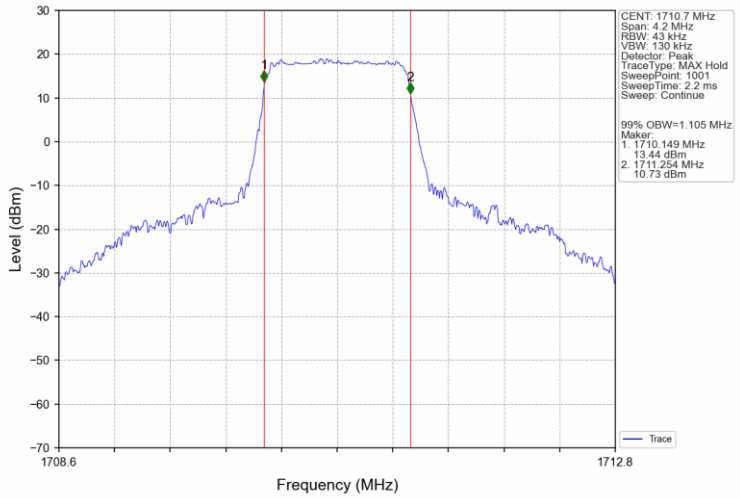
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.330	/	Pass
		1732.5	6	0	1.314	/	Pass
		1754.3	6	0	1.312	/	Pass

	16QAM	1710.7	6	0	1.323	/	Pass
		1732.5	6	0	1.328	/	Pass
		1754.3	6	0	1.308	/	Pass
3	QPSK	1711.5	15	0	2.999	/	Pass
		1732.5	15	0	3.009	/	Pass
		1753.5	15	0	3.006	/	Pass
	16QAM	1711.5	15	0	2.991	/	Pass
		1732.5	15	0	2.978	/	Pass
		1753.5	15	0	2.983	/	Pass
5	QPSK	1712.5	25	0	5.037	/	Pass
		1732.5	25	0	5.015	/	Pass
		1752.5	25	0	5.726	/	Pass
	16QAM	1712.5	25	0	5.002	/	Pass
		1732.5	25	0	5.023	/	Pass
		1752.5	25	0	5.354	/	Pass
10	QPSK	1715	50	0	10.002	/	Pass
		1732.5	50	0	10.004	/	Pass
		1750	50	0	9.884	/	Pass
	16QAM	1715	50	0	9.869	/	Pass
		1732.5	50	0	10.009	/	Pass
		1750	50	0	9.892	/	Pass
15	QPSK	1717.5	75	0	14.921	/	Pass
		1732.5	75	0	14.960	/	Pass
		1747.5	75	0	14.929	/	Pass
	16QAM	1717.5	75	0	14.891	/	Pass
		1732.5	75	0	14.852	/	Pass
		1747.5	75	0	14.915	/	Pass
20	QPSK	1720	100	0	19.802	/	Pass
		1732.5	100	0	19.734	/	Pass
		1745	100	0	19.799	/	Pass
	16QAM	1720	100	0	19.661	/	Pass
		1732.5	100	0	19.751	/	Pass
		1745	100	0	19.749	/	Pass

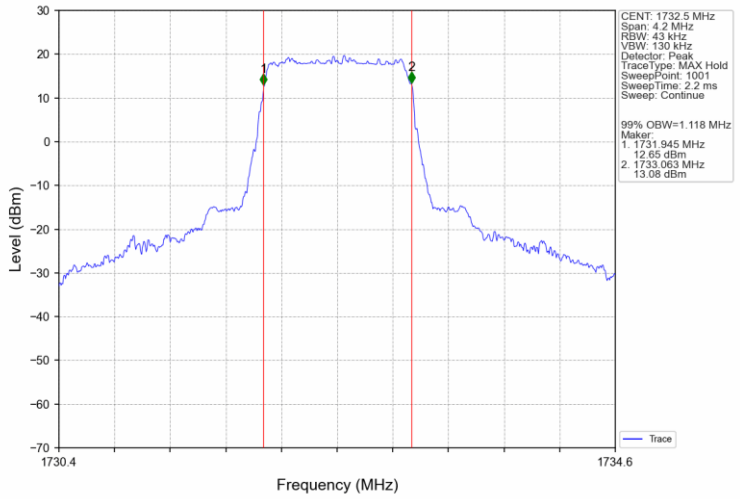
4.2 Test Graph

4.2.1 Band4_OBW

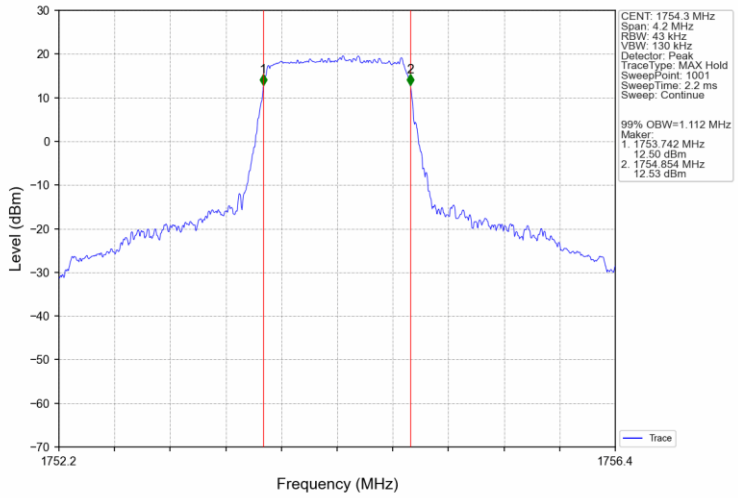
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



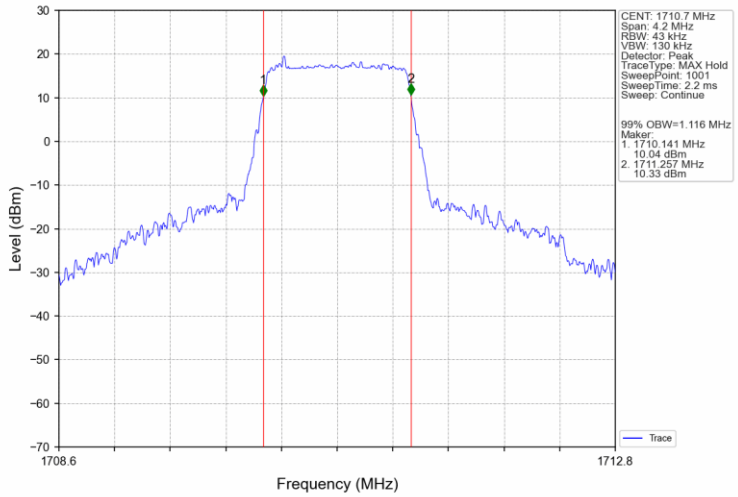
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



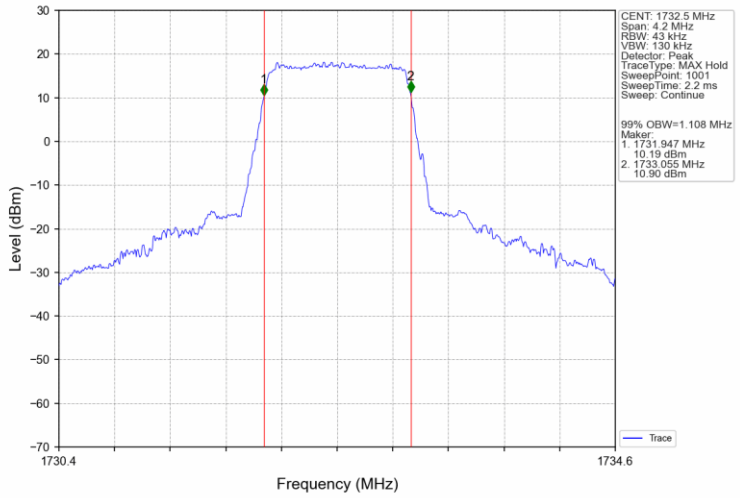
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



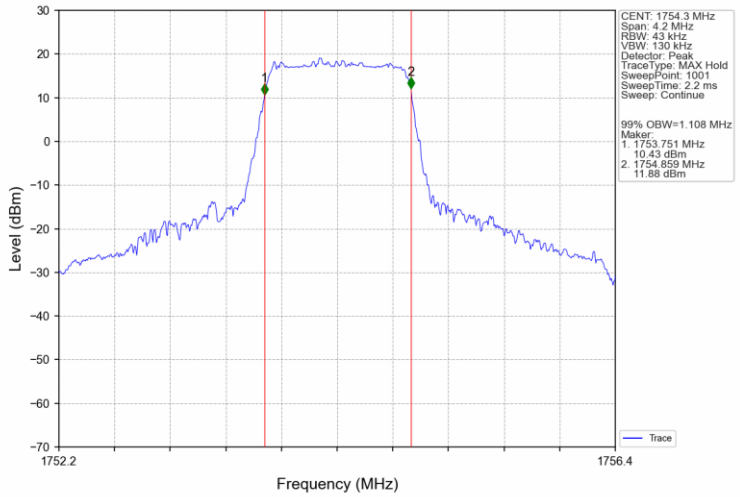
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



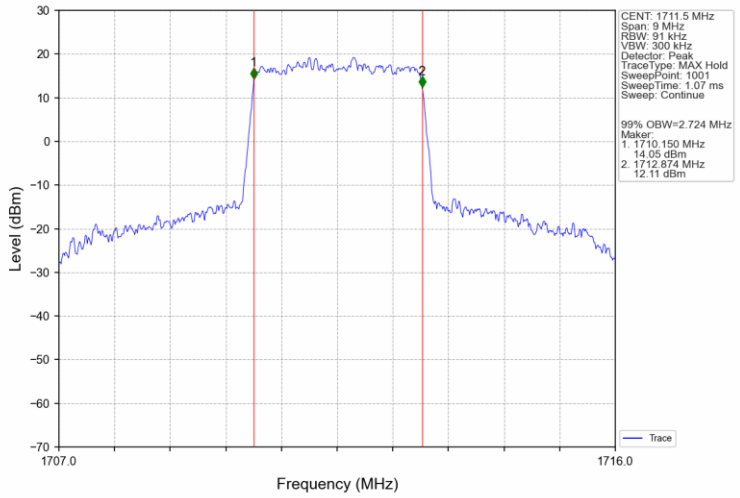
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



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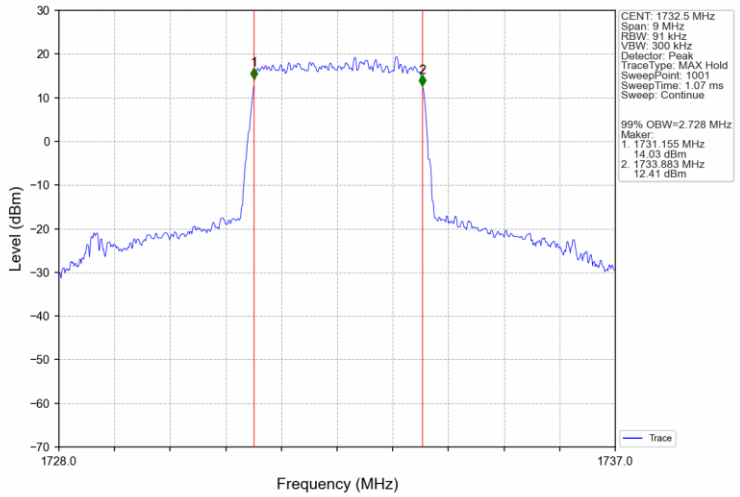
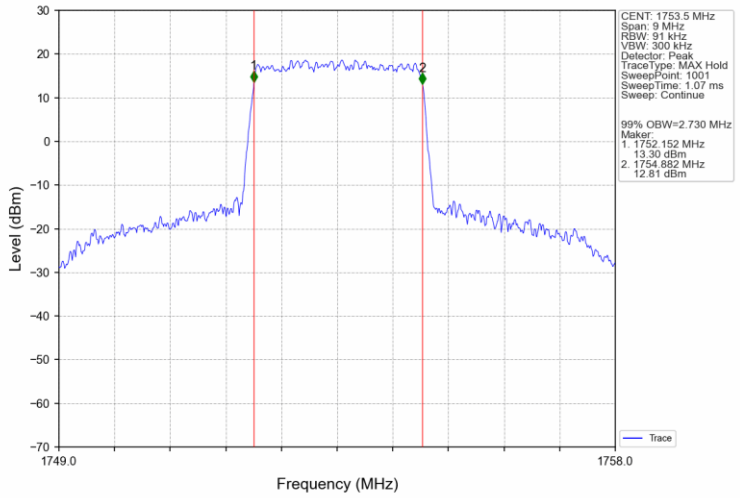
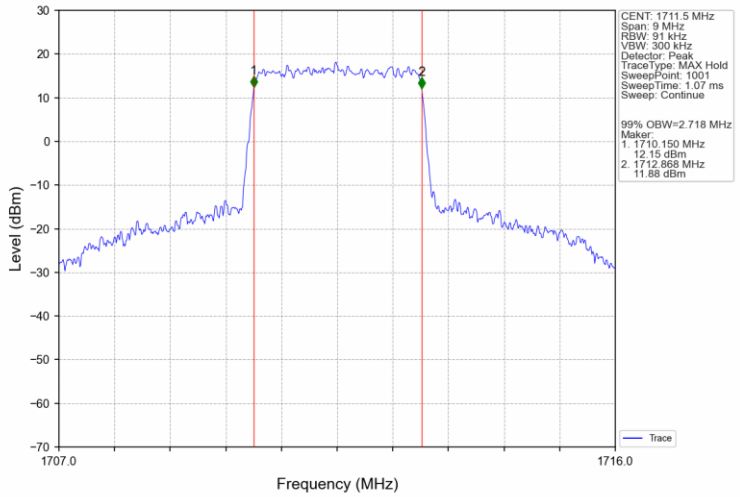


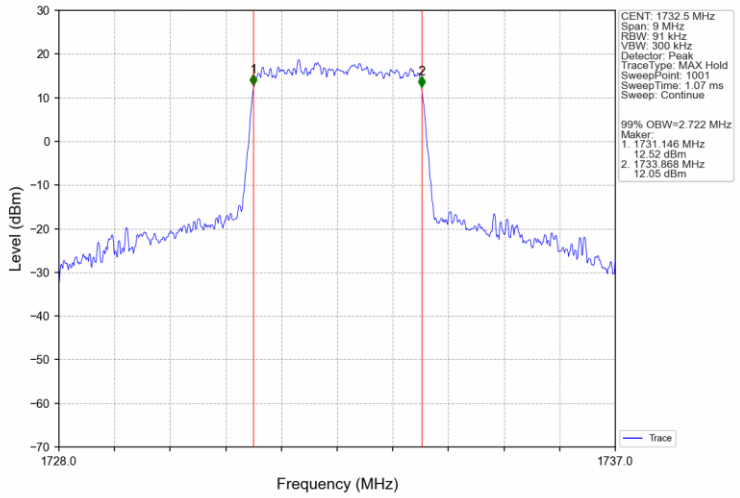
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



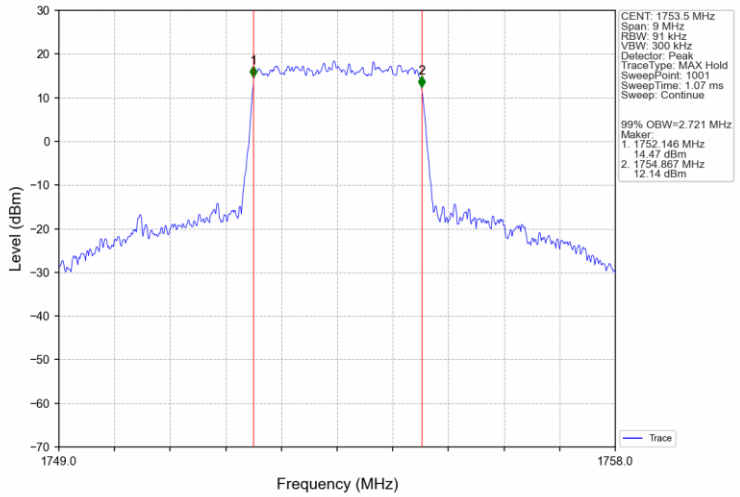
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



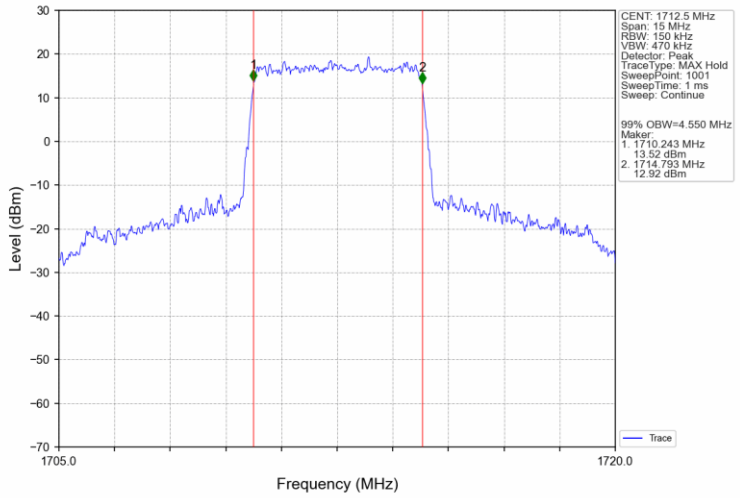
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



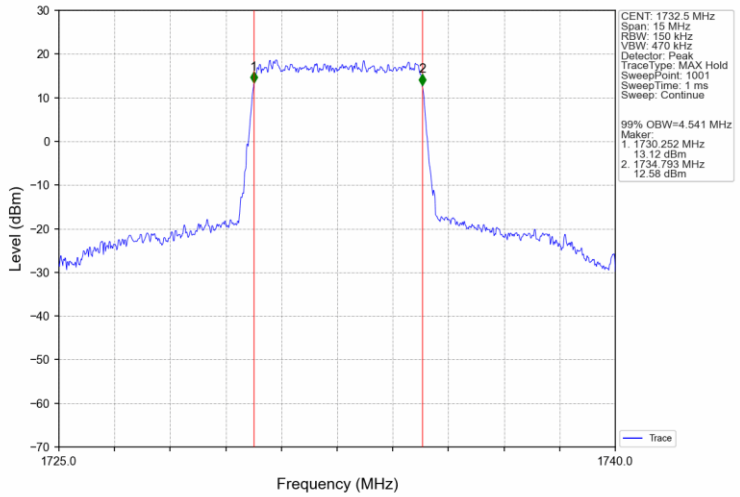
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



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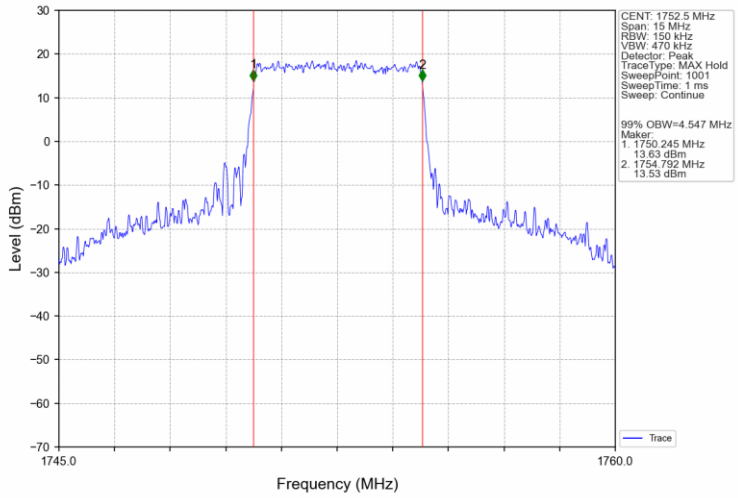
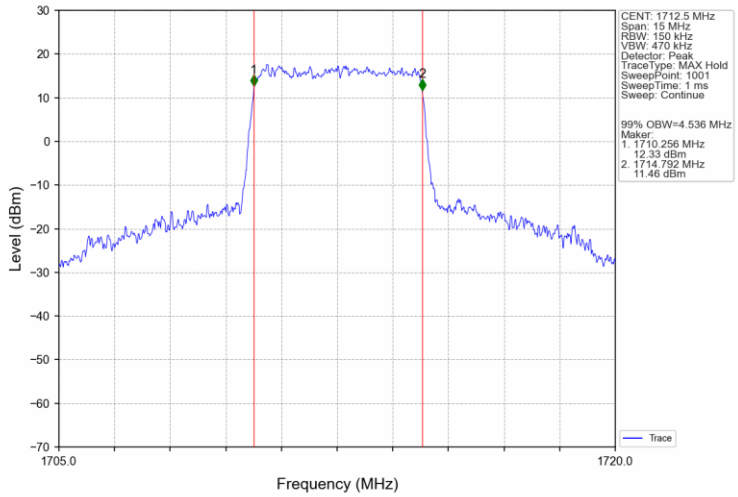
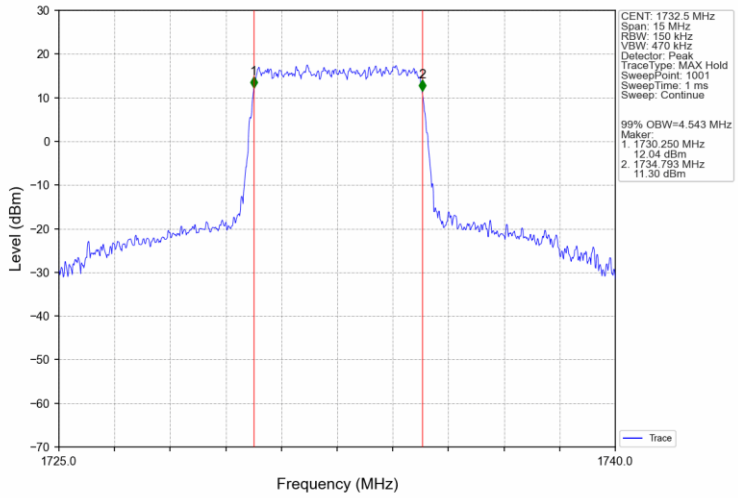


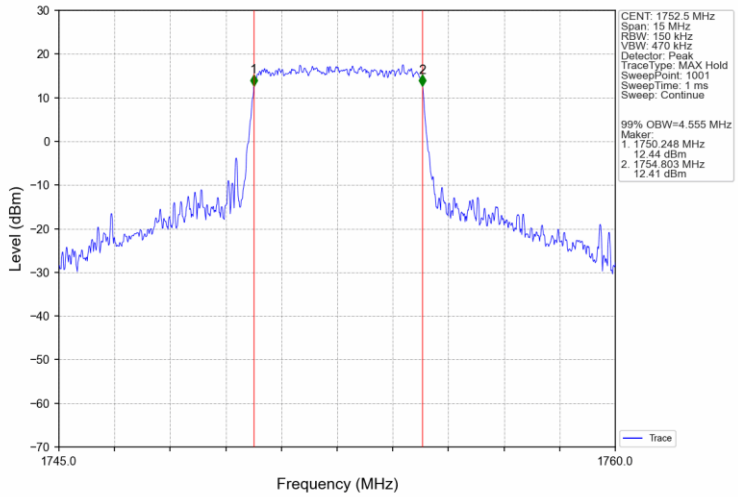
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



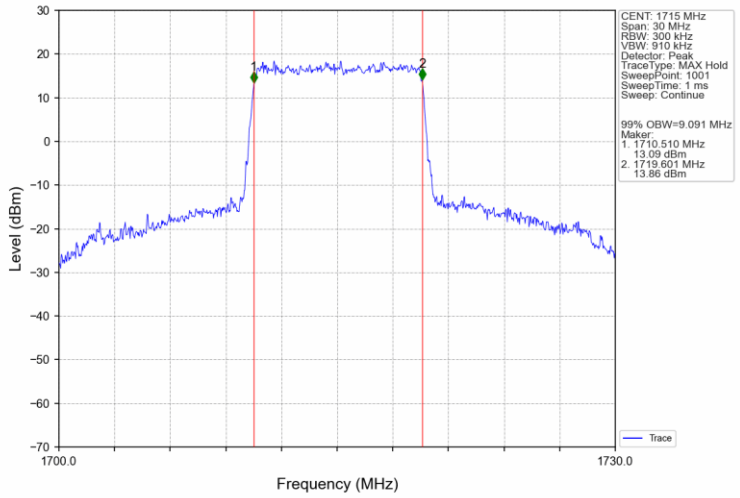
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



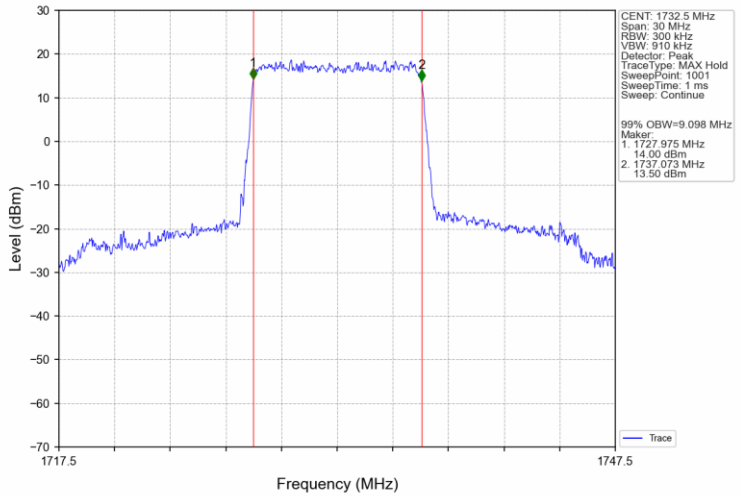
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



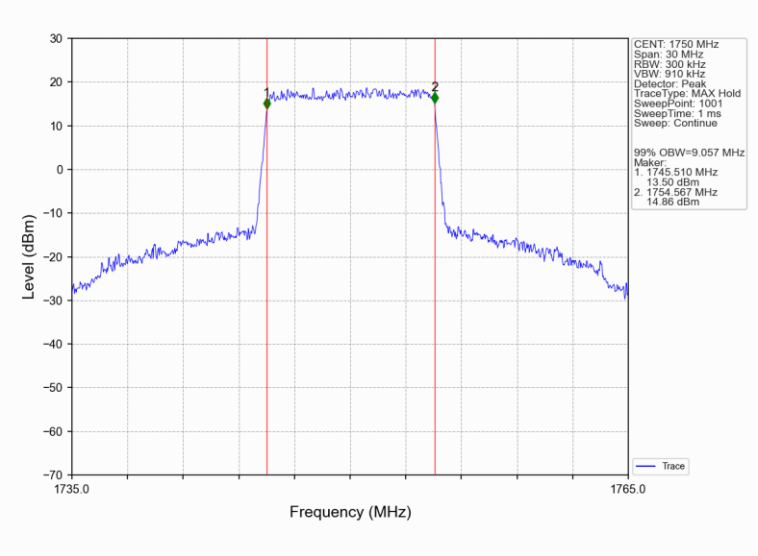
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



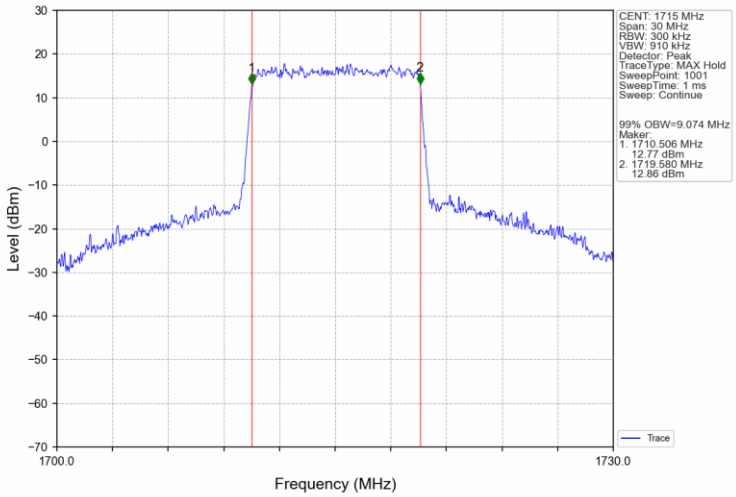
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



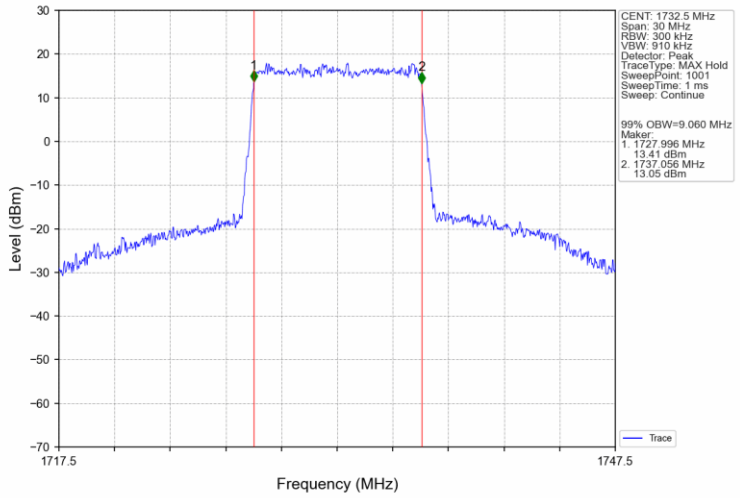
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



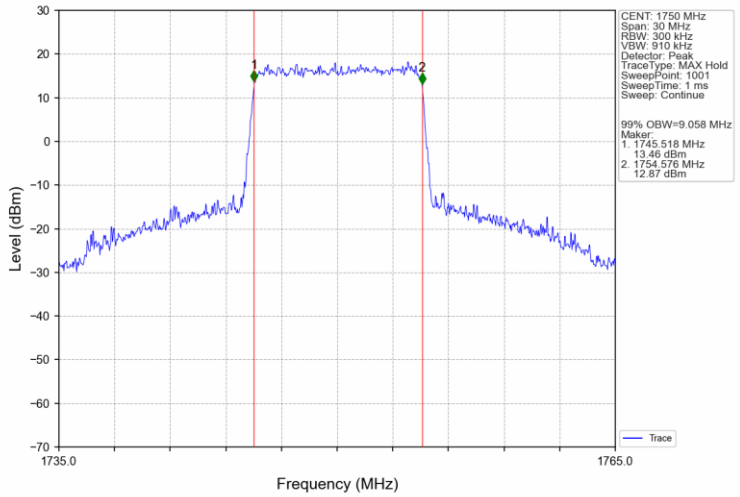
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



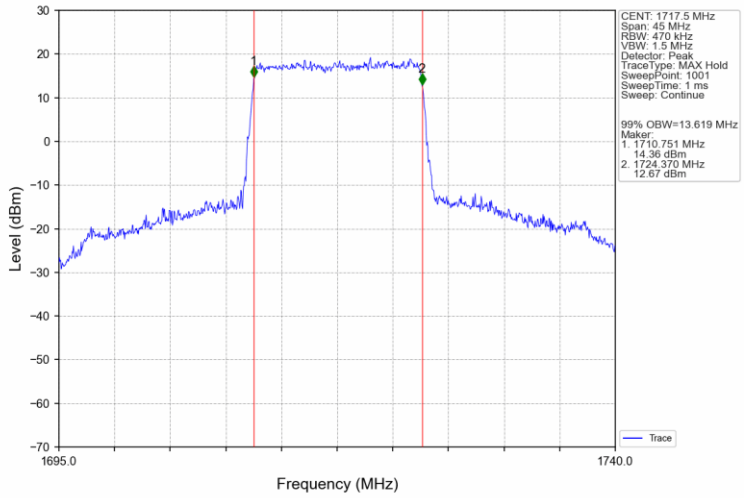
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



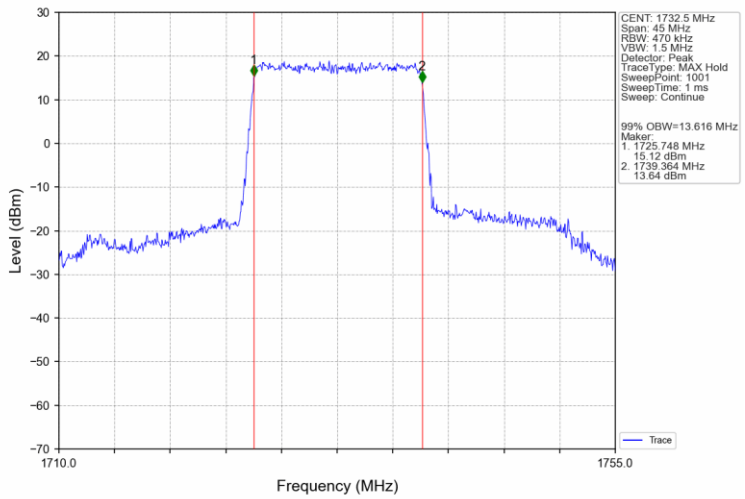
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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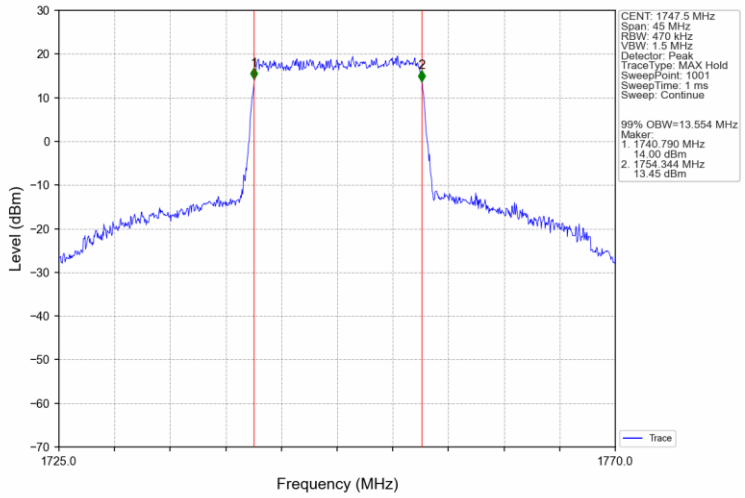
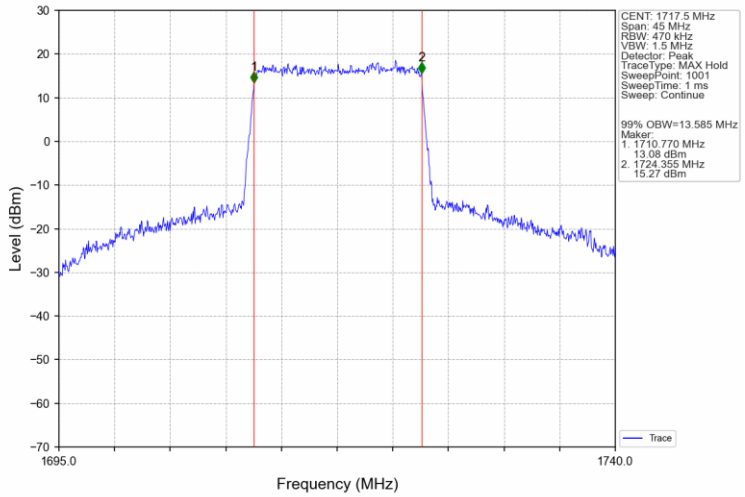
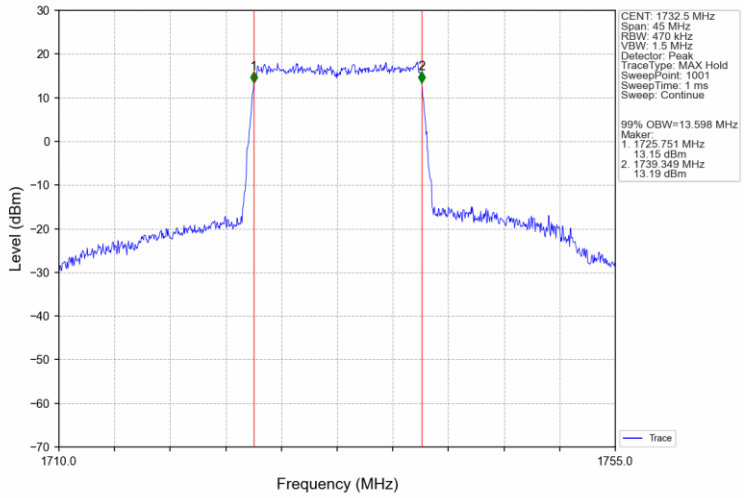


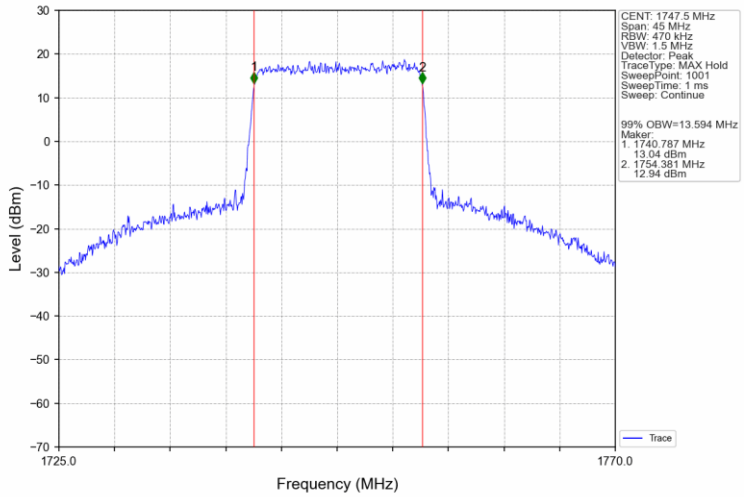
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



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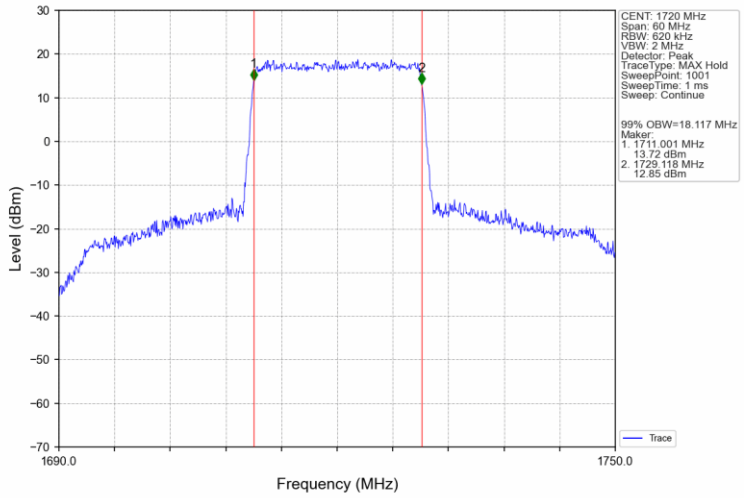
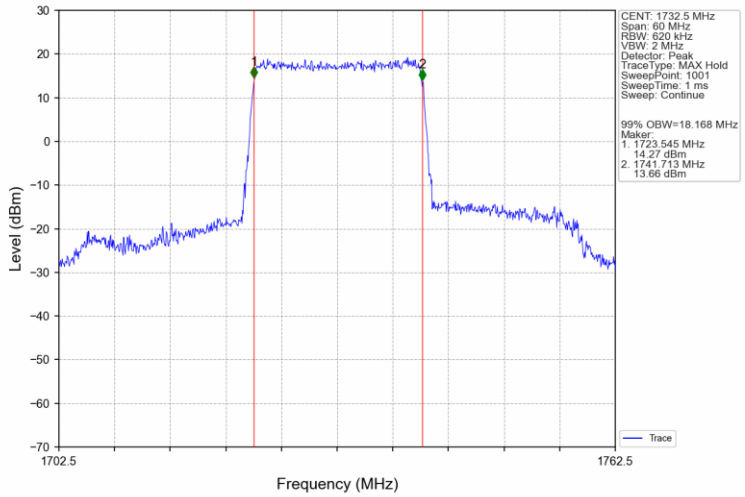


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



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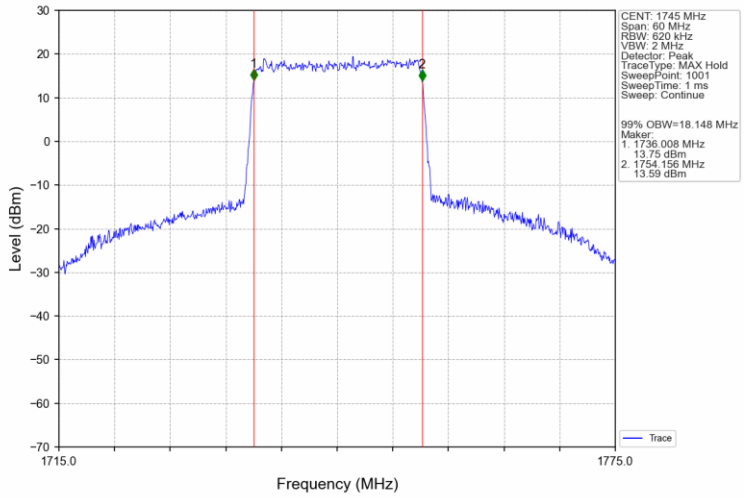
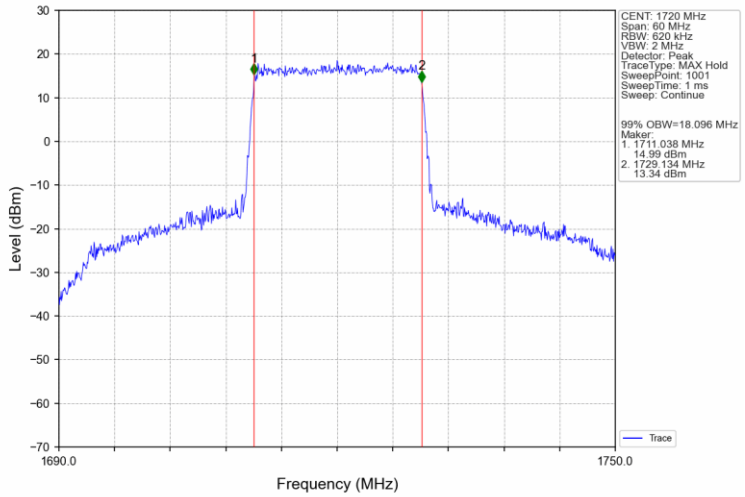


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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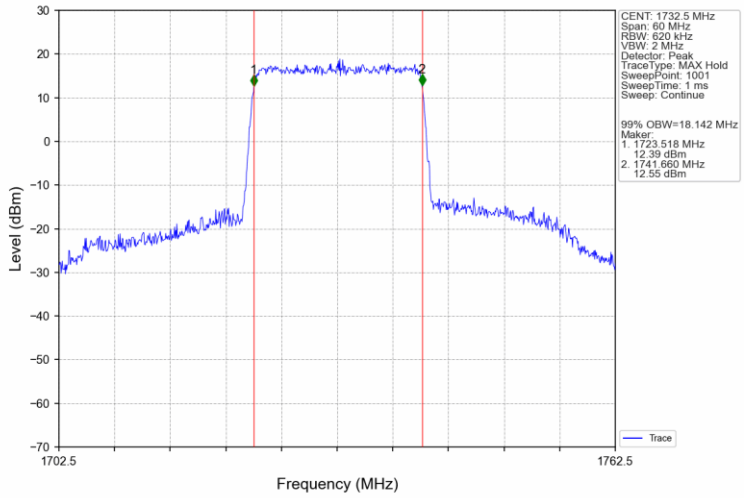
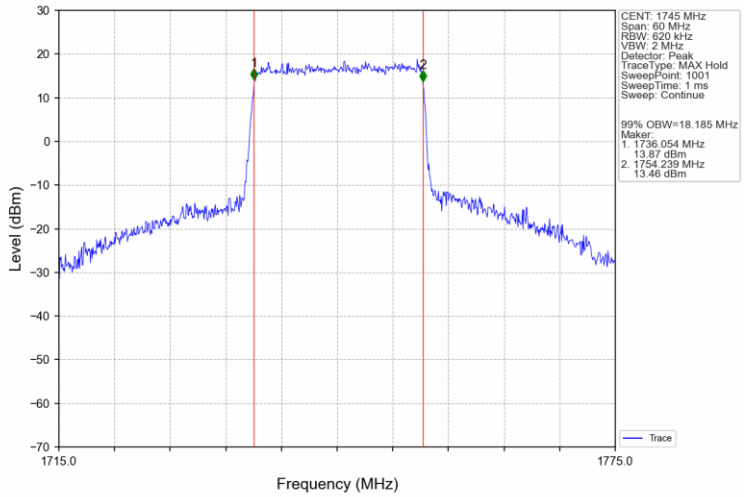
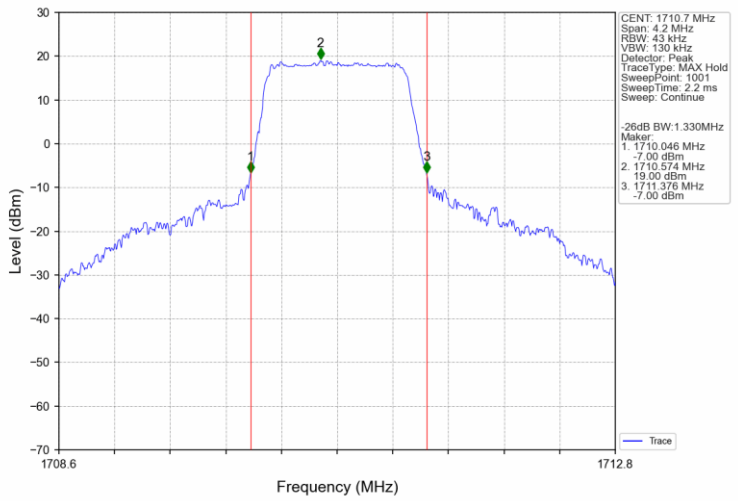


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

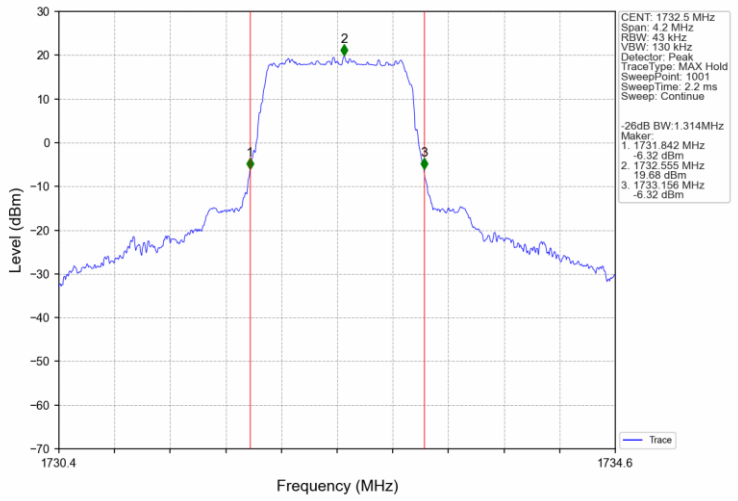


4.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



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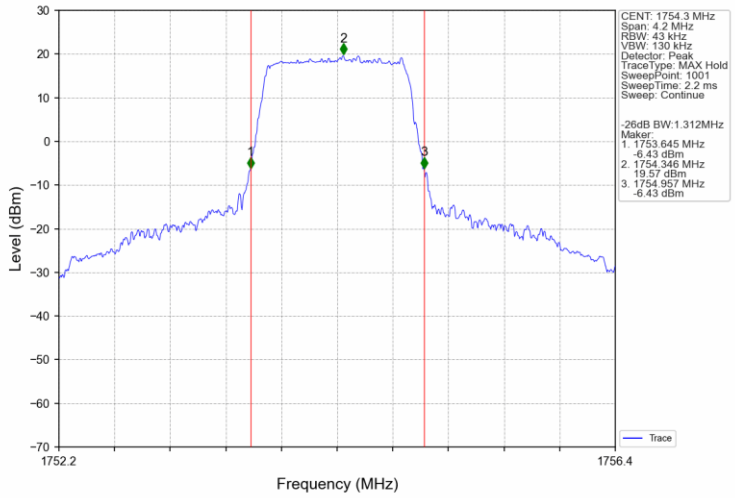
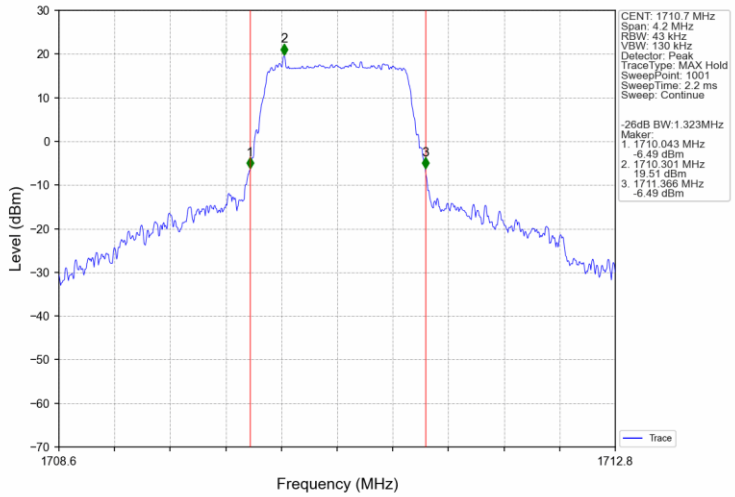
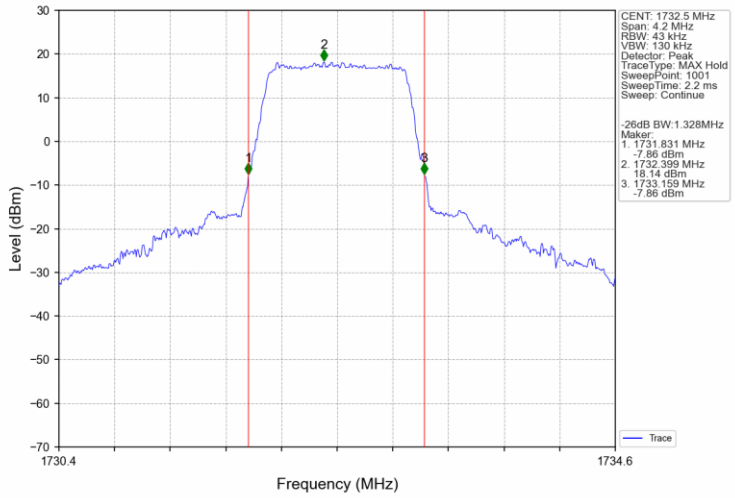


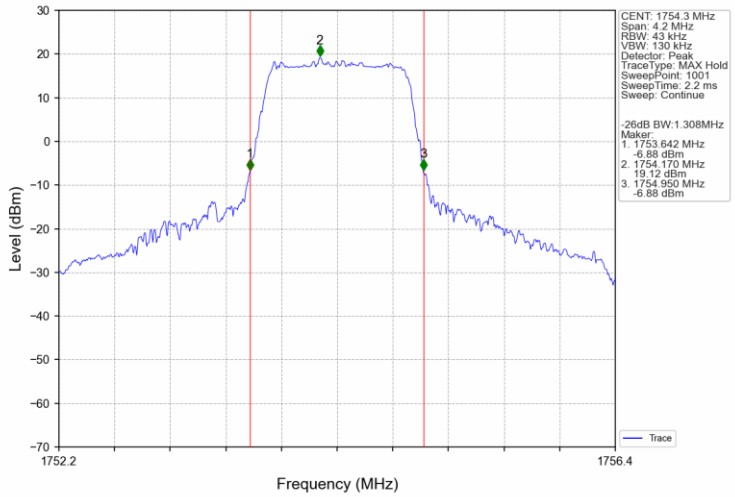
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



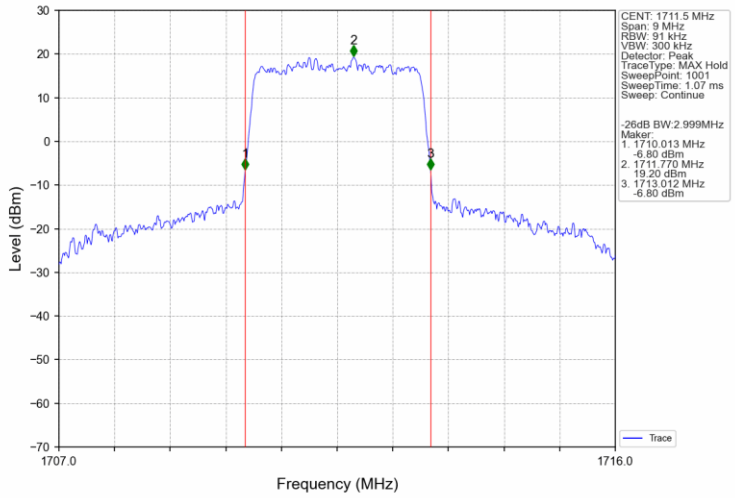
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



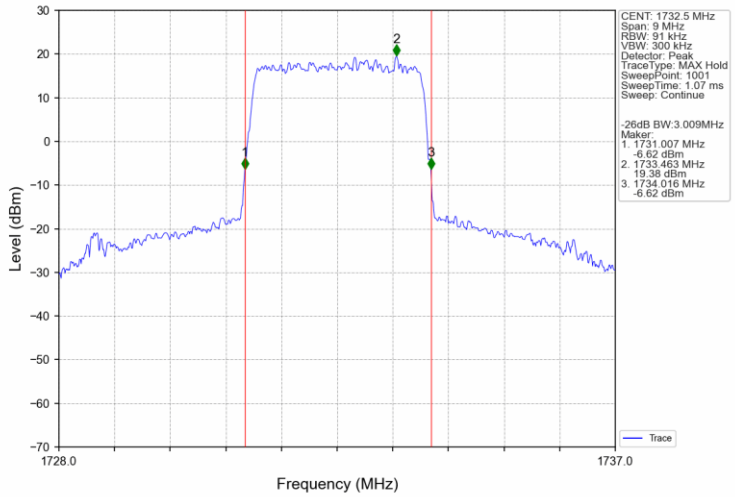
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



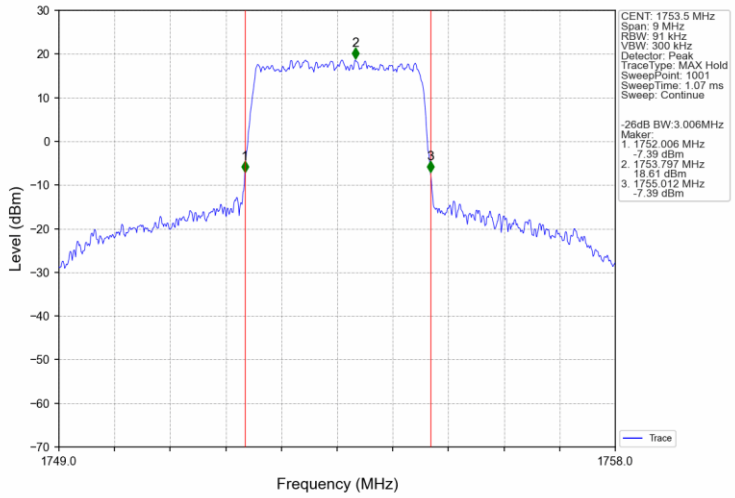
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



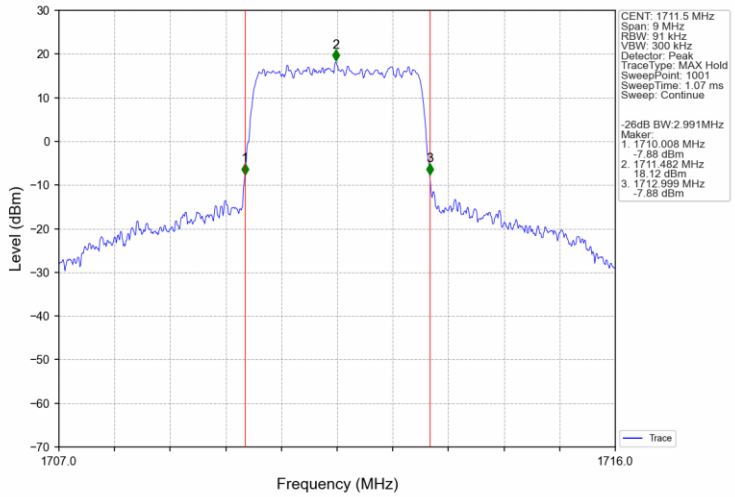
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



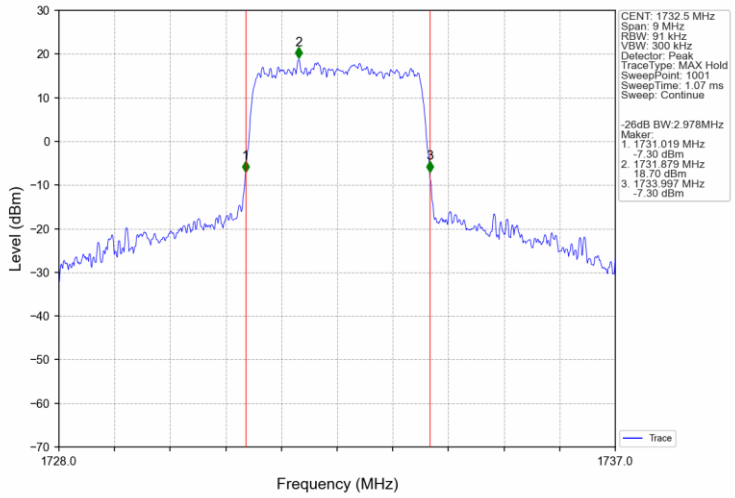
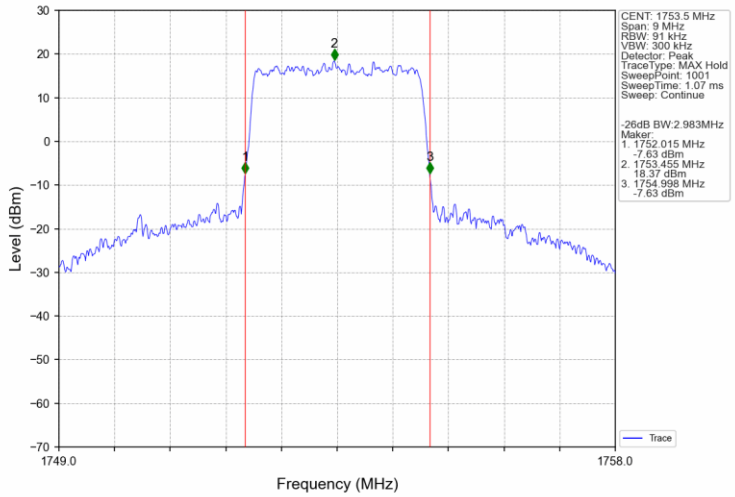
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV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