Appendix Test Data for LTE_band_4

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.61	0.82	24.43	<=30	Pass
			2	23.82	0.82	24.64	<=30	Pass
			5	23.60	0.82	24.42	<=30	Pass
		3	0	23.76	0.82	24.58	<=30	Pass
			2	23.71	0.82	24.53	<=30	Pass
			3	23.80	0.82	24.62	<=30	Pass
		6	0	22.70	0.82	23.52	<=30	Pass
	1732.5	1	0	23.63	0.82	24.45	<=30	Pass
			2	23.86	0.82	24.68	<=30	Pass
			5	23.65	0.82	24.47	<=30	Pass
		3	0	23.78	0.82	24.60	<=30	Pass
			2	23.76	0.82	24.58	<=30	Pass
			3	23.75	0.82	24.57	<=30	Pass
		6	0	22.67	0.82	23.49	<=30	Pass
	1754.3	1	0	23.57	0.82	24.39	<=30	Pass
			2	23.78	0.82	24.60	<=30	Pass
			5	23.56	0.82	24.38	<=30	Pass
		3	0	23.61	0.82	24.43	<=30	Pass
			2	23.68	0.82	24.50	<=30	Pass
			3	23.68	0.82	24.50	<=30	Pass
		6	0	22.64	0.82	23.46	<=30	Pass
16QAM	1710.7	1	0	22.61	0.82	23.43	<=30	Pass
			2	22.81	0.82	23.63	<=30	Pass
			5	22.61	0.82	23.43	<=30	Pass
		3	0	22.81	0.82	23.63	<=30	Pass
			2	22.75	0.82	23.57	<=30	Pass
			3	22.82	0.82	23.64	<=30	Pass
		6	0	21.76	0.82	22.58	<=30	Pass
	1732.5	1	0	23.01	0.82	23.83	<=30	Pass
			2	23.25	0.82	24.07	<=30	Pass
			5	22.95	0.82	23.77	<=30	Pass
		3	0	22.81	0.82	23.63	<=30	Pass
			2	22.76	0.82	23.58	<=30	Pass
			3	22.82	0.82	23.64	<=30	Pass
		6	0	21.71	0.82	22.53	<=30	Pass
	1754.3	1	0	22.42	0.82	23.24	<=30	Pass
			2	22.62	0.82	23.44	<=30	Pass
			5	22.43	0.82	23.25	<=30	Pass
		3	0	22.46	0.82	23.28	<=30	Pass
			2	22.44	0.82	23.26	<=30	Pass
			3	22.49	0.82	23.31	<=30	Pass
		6	0	21.59	0.82	22.41	<=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	23.67	0.82	24.49	<=30	Pass
			7	23.49	0.82	24.31	<=30	Pass
			14	23.65	0.82	24.47	<=30	Pass
		8	0	22.68	0.82	23.50	<=30	Pass
			4	22.74	0.82	23.56	<=30	Pass
			7	22.65	0.82	23.47	<=30	Pass
		15	0	22.64	0.82	23.46	<=30	Pass
	1732.5	1	0	23.71	0.82	24.53	<=30	Pass
			7	23.58	0.82	24.40	<=30	Pass
			14	23.72	0.82	24.54	<=30	Pass
		8	0	22.70	0.82	23.52	<=30	Pass
			4	22.69	0.82	23.51	<=30	Pass
			7	22.65	0.82	23.47	<=30	Pass
		15	0	22.63	0.82	23.45	<=30	Pass
	1753.5	1	0	23.64	0.82	24.46	<=30	Pass
			7	23.53	0.82	24.35	<=30	Pass
			14	23.65	0.82	24.47	<=30	Pass
		8	0	22.53	0.82	23.35	<=30	Pass
			4	22.59	0.82	23.41	<=30	Pass
			7	22.52	0.82	23.34	<=30	Pass
		15	0	22.52	0.82	23.34	<=30	Pass
16QAM	1711.5	1	0	22.68	0.82	23.50	<=30	Pass
			7	22.52	0.82	23.34	<=30	Pass
			14	22.63	0.82	23.45	<=30	Pass
		8	0	21.64	0.82	22.46	<=30	Pass
			4	21.67	0.82	22.49	<=30	Pass
			7	21.63	0.82	22.45	<=30	Pass
		15	0	21.59	0.82	22.41	<=30	Pass
	1732.5	1	0	23.05	0.82	23.87	<=30	Pass
			7	22.94	0.82	23.76	<=30	Pass
			14	23.12	0.82	23.94	<=30	Pass
		8	0	21.74	0.82	22.56	<=30	Pass
			4	21.76	0.82	22.58	<=30	Pass
			7	21.68	0.82	22.50	<=30	Pass
		15	0	21.70	0.82	22.52	<=30	Pass
	1753.5	1	0	22.45	0.82	23.27	<=30	Pass
			7	22.35	0.82	23.17	<=30	Pass
			14	22.46	0.82	23.28	<=30	Pass
		8	0	21.48	0.82	22.30	<=30	Pass
			4	21.50	0.82	22.32	<=30	Pass
			7	21.46	0.82	22.28	<=30	Pass
		15	0	21.53	0.82	22.35	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.55	0.82	24.37	<=30	Pass
			13	23.65	0.82	24.47	<=30	Pass
			24	23.55	0.82	24.37	<=30	Pass
		12	0	22.59	0.82	23.41	<=30	Pass
			6	22.69	0.82	23.51	<=30	Pass
			13	22.66	0.82	23.48	<=30	Pass
		25	0	22.63	0.82	23.45	<=30	Pass
	1732.5	1	0	23.58	0.82	24.40	<=30	Pass
			13	23.63	0.82	24.45	<=30	Pass
			24	23.55	0.82	24.37	<=30	Pass
		12	0	22.65	0.82	23.47	<=30	Pass
			6	22.69	0.82	23.51	<=30	Pass
			13	22.66	0.82	23.48	<=30	Pass
		25	0	22.68	0.82	23.50	<=30	Pass
	1752.5	1	0	23.47	0.82	24.29	<=30	Pass
			13	23.59	0.82	24.41	<=30	Pass
			24	23.48	0.82	24.30	<=30	Pass
		12	0	22.51	0.82	23.33	<=30	Pass
			6	22.59	0.82	23.41	<=30	Pass
			13	22.53	0.82	23.35	<=30	Pass
		25	0	22.52	0.82	23.34	<=30	Pass
16QAM	1712.5	1	0	22.65	0.82	23.47	<=30	Pass
			13	22.72	0.82	23.54	<=30	Pass
			24	22.62	0.82	23.44	<=30	Pass
		12	0	21.60	0.82	22.42	<=30	Pass
			6	21.68	0.82	22.50	<=30	Pass
			13	21.65	0.82	22.47	<=30	Pass
		25	0	21.62	0.82	22.44	<=30	Pass
	1732.5	1	0	22.56	0.82	23.38	<=30	Pass
			13	22.60	0.82	23.42	<=30	Pass
			24	22.51	0.82	23.33	<=30	Pass
		12	0	21.74	0.82	22.56	<=30	Pass
			6	21.76	0.82	22.58	<=30	Pass
			13	21.71	0.82	22.53	<=30	Pass
		25	0	21.80	0.82	22.62	<=30	Pass
	1752.5	1	0	22.79	0.82	23.61	<=30	Pass
			13	22.92	0.82	23.74	<=30	Pass
			24	22.82	0.82	23.64	<=30	Pass
		12	0	21.47	0.82	22.29	<=30	Pass
			6	21.52	0.82	22.34	<=30	Pass
			13	21.50	0.82	22.32	<=30	Pass
		25	0	21.50	0.82	22.32	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.79	0.82	24.61	<=30	Pass
			25	23.88	0.82	24.70	<=30	Pass
			49	23.79	0.82	24.61	<=30	Pass
		25	0	22.66	0.82	23.48	<=30	Pass
			13	22.70	0.82	23.52	<=30	Pass
			25	22.75	0.82	23.57	<=30	Pass
		50	0	22.69	0.82	23.51	<=30	Pass
	1732.5	1	0	23.66	0.82	24.48	<=30	Pass
			25	23.65	0.82	24.47	<=30	Pass
			49	23.61	0.82	24.43	<=30	Pass
		25	0	22.76	0.82	23.58	<=30	Pass
			13	22.73	0.82	23.55	<=30	Pass
			25	22.71	0.82	23.53	<=30	Pass
		50	0	22.70	0.82	23.52	<=30	Pass
	1750	1	0	23.64	0.82	24.46	<=30	Pass
			25	23.73	0.82	24.55	<=30	Pass
			49	23.62	0.82	24.44	<=30	Pass
		25	0	22.55	0.82	23.37	<=30	Pass
			13	22.56	0.82	23.38	<=30	Pass
			25	22.60	0.82	23.42	<=30	Pass
		50	0	22.55	0.82	23.37	<=30	Pass
16QAM	1715	1	0	22.61	0.82	23.43	<=30	Pass
			25	22.64	0.82	23.46	<=30	Pass
			49	22.61	0.82	23.43	<=30	Pass
		25	0	21.75	0.82	22.57	<=30	Pass
			13	21.74	0.82	22.56	<=30	Pass
			25	21.80	0.82	22.62	<=30	Pass
		50	0	21.70	0.82	22.52	<=30	Pass
	1732.5	1	0	22.72	0.82	23.54	<=30	Pass
			25	22.74	0.82	23.56	<=30	Pass
			49	22.68	0.82	23.50	<=30	Pass
		25	0	21.83	0.82	22.65	<=30	Pass
			13	21.81	0.82	22.63	<=30	Pass
			25	21.80	0.82	22.62	<=30	Pass
		50	0	21.74	0.82	22.56	<=30	Pass
	1750	1	0	22.90	0.82	23.72	<=30	Pass
			25	22.93	0.82	23.75	<=30	Pass
			49	22.92	0.82	23.74	<=30	Pass
		25	0	21.59	0.82	22.41	<=30	Pass
			13	21.58	0.82	22.40	<=30	Pass
			25	21.59	0.82	22.41	<=30	Pass
		50	0	21.57	0.82	22.39	<=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	23.68	0.82	24.50	<=30	Pass
			38	23.82	0.82	24.64	<=30	Pass
			74	23.67	0.82	24.49	<=30	Pass
		36	0	22.76	0.82	23.58	<=30	Pass
			18	22.84	0.82	23.66	<=30	Pass
			39	22.84	0.82	23.66	<=30	Pass
		75	0	22.80	0.82	23.62	<=30	Pass
	1732.5	1	0	23.60	0.82	24.42	<=30	Pass
			38	23.66	0.82	24.48	<=30	Pass
			74	23.49	0.82	24.31	<=30	Pass
		36	0	22.75	0.82	23.57	<=30	Pass
			18	22.75	0.82	23.57	<=30	Pass
			39	22.72	0.82	23.54	<=30	Pass
		75	0	22.73	0.82	23.55	<=30	Pass
	1747.5	1	0	23.50	0.82	24.32	<=30	Pass
			38	23.65	0.82	24.47	<=30	Pass
			74	23.51	0.82	24.33	<=30	Pass
		36	0	22.62	0.82	23.44	<=30	Pass
			18	22.68	0.82	23.50	<=30	Pass
			39	22.69	0.82	23.51	<=30	Pass
		75	0	22.68	0.82	23.50	<=30	Pass
16QAM	1717.5	1	0	22.51	0.82	23.33	<=30	Pass
			38	22.63	0.82	23.45	<=30	Pass
			74	22.52	0.82	23.34	<=30	Pass
		36	0	21.69	0.82	22.51	<=30	Pass
			18	21.77	0.82	22.59	<=30	Pass
			39	21.79	0.82	22.61	<=30	Pass
		75	0	21.75	0.82	22.57	<=30	Pass
	1732.5	1	0	22.64	0.82	23.46	<=30	Pass
			38	22.71	0.82	23.53	<=30	Pass
			74	22.54	0.82	23.36	<=30	Pass
		36	0	21.71	0.82	22.53	<=30	Pass
			18	21.72	0.82	22.54	<=30	Pass
			39	21.66	0.82	22.48	<=30	Pass
		75	0	21.78	0.82	22.60	<=30	Pass
	1747.5	1	0	22.46	0.82	23.28	<=30	Pass
			38	22.47	0.82	23.29	<=30	Pass
			74	22.36	0.82	23.18	<=30	Pass
		36	0	21.56	0.82	22.38	<=30	Pass
			18	21.58	0.82	22.40	<=30	Pass
			39	21.60	0.82	22.42	<=30	Pass
		75	0	21.61	0.82	22.43	<=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	23.47	0.82	24.29	<=30	Pass
			50	23.82	0.82	24.64	<=30	Pass
			99	23.46	0.82	24.28	<=30	Pass
		50	0	22.57	0.82	23.39	<=30	Pass
			25	22.69	0.82	23.51	<=30	Pass
			50	22.70	0.82	23.52	<=30	Pass
		100	0	22.65	0.82	23.47	<=30	Pass
	1732.5	1	0	23.44	0.82	24.26	<=30	Pass
			50	23.70	0.82	24.52	<=30	Pass
			99	23.36	0.82	24.18	<=30	Pass
		50	0	22.70	0.82	23.52	<=30	Pass
			25	22.67	0.82	23.49	<=30	Pass
			50	22.67	0.82	23.49	<=30	Pass
		100	0	22.67	0.82	23.49	<=30	Pass
	1745	1	0	23.36	0.82	24.18	<=30	Pass
			50	23.66	0.82	24.48	<=30	Pass
			99	23.32	0.82	24.14	<=30	Pass
		50	0	22.54	0.82	23.36	<=30	Pass
			25	22.59	0.82	23.41	<=30	Pass
			50	22.59	0.82	23.41	<=30	Pass
		100	0	22.54	0.82	23.36	<=30	Pass
16QAM	1720	1	0	22.29	0.82	23.11	<=30	Pass
			50	22.63	0.82	23.45	<=30	Pass
			99	22.31	0.82	23.13	<=30	Pass
		50	0	21.57	0.82	22.39	<=30	Pass
			25	21.71	0.82	22.53	<=30	Pass
			50	21.71	0.82	22.53	<=30	Pass
		100	0	21.71	0.82	22.53	<=30	Pass
	1732.5	1	0	22.84	0.82	23.66	<=30	Pass
			50	23.15	0.82	23.97	<=30	Pass
			99	22.76	0.82	23.58	<=30	Pass
		50	0	21.75	0.82	22.57	<=30	Pass
			25	21.69	0.82	22.51	<=30	Pass
			50	21.65	0.82	22.47	<=30	Pass
		100	0	21.71	0.82	22.53	<=30	Pass
	1745	1	0	22.46	0.82	23.28	<=30	Pass
			50	22.58	0.82	23.40	<=30	Pass
			99	22.33	0.82	23.15	<=30	Pass
		50	0	21.54	0.82	22.36	<=30	Pass
			25	21.57	0.82	22.39	<=30	Pass
			50	21.56	0.82	22.38	<=30	Pass
		100	0	21.58	0.82	22.40	<=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	-7.610	-0.0044	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0026	-2.5 to 2.5	Pass
					4.43	-6.566	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-5.050	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-6.781	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-3.891	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-7.782	-0.0045	-2.5 to 2.5	Pass
					3.85	-5.150	-0.0030	-2.5 to 2.5	Pass
					4.43	-4.807	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-5.693	-0.0032	-2.5 to 2.5	Pass
					3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.774	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-7.324	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-5.507	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-7.682	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-4.463	-0.0025	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-2.289	-0.0013	-2.5 to 2.5	Pass
					3.85	0.343	0.0002	-2.5 to 2.5	Pass
					4.43	-3.219	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.263	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-6.251	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-7.296	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-4.220	-0.0025	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-2.289	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
					4.43	-3.433	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.078	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass

				0	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.891	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-6.995	-0.0040	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-7.081	-0.0040	-2.5 to 2.5	Pass
					3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
					4.43	-2.131	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-4.120	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-5.264	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-5.150	-0.0029	-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	-11.888	-0.0069	-2.5 to 2.5	Pass
					3.85	-8.397	-0.0049	-2.5 to 2.5	Pass
					4.43	-7.439	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-4.220	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-7.925	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-8.597	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-6.781	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-5.579	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-7.052	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-6.766	-0.0040	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-5.064	-0.0029	-2.5 to 2.5	Pass
					3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
					4.43	-5.536	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-6.781	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-6.666	-0.0038	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-3.734	-0.0021	-2.5 to 2.5	Pass
					3.85	-4.778	-0.0027	-2.5 to 2.5	Pass
					4.43	-4.663	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-4.277	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-7.854	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.576	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-6.509	-0.0038	-2.5 to 2.5	Pass
					3.85	-7.038	-0.0041	-2.5 to 2.5	Pass
					4.43	-4.606	-0.0027	-2.5 to 2.5	Pass

				-30	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-4.206	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-6.938	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-3.977	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-2.489	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-4.921	-0.0029	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-4.063	-0.0023	-2.5 to 2.5	Pass
					3.85	-7.510	-0.0043	-2.5 to 2.5	Pass
					4.43	-3.190	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-6.566	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-11.001	-0.0063	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-3.877	-0.0022	-2.5 to 2.5	Pass
					3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
					4.43	-7.968	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-9.627	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-7.653	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-4.435	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-7.796	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-3.848	-0.0022	-2.5 to 2.5	Pass
					3.85	-5.422	-0.0032	-2.5 to 2.5	Pass
					4.43	-3.004	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-2.489	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-9.770	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-6.809	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-4.520	-0.0026	-2.5 to 2.5	Pass
					3.85	-9.384	-0.0054	-2.5 to 2.5	Pass
					4.43	-2.060	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-6.652	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-5.322	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-5.836	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-8.469	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-6.466	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-6.466	-0.0037	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.27	-6.051	-0.0035	-2.5 to 2.5	Pass
					3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
					4.43	-6.394	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-5.307	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-6.323	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-10.271	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-6.666	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-5.836	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-3.734	-0.0021	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-1.502	-0.0009	-2.5 to 2.5	Pass
					3.85	-4.392	-0.0026	-2.5 to 2.5	Pass
					4.43	-6.380	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-3.004	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.748	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-6.366	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-4.234	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-3.862	-0.0023	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-6.680	-0.0039	-2.5 to 2.5	Pass
					3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
					4.43	-2.089	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-6.709	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-7.596	-0.0043	-2.5 to 2.5	Pass
					3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
					4.43	-6.652	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-7.067	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-7.710	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-8.054	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-8.812	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-4.277	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-4.749	-0.0028	-2.5 to 2.5	Pass
					3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
					4.43	-5.207	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.459	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass

				30	3.85	-3.934	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-3.204	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-1.945	-0.0011	-2.5 to 2.5	Pass
					3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
					4.43	-1.087	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				30	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-7.796	-0.0045	-2.5 to 2.5	Pass
					3.85	-7.753	-0.0044	-2.5 to 2.5	Pass
					4.43	-1.831	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-6.781	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-9.513	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-4.134	-0.0024	-2.5 to 2.5	Pass
					3.85	-5.980	-0.0035	-2.5 to 2.5	Pass
					4.43	-2.804	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-2.160	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-2.332	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-5.450	-0.0032	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	0.372	0.0002	-2.5 to 2.5	Pass
					3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
					4.43	-2.418	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-5.994	-0.0035	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-5.450	-0.0031	-2.5 to 2.5	Pass
					3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.245	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-6.108	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-9.999	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-8.469	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-8.569	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-9.642	-0.0055	-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	-10.901	-0.0063	-2.5 to 2.5	Pass
					3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
					4.43	-9.356	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-8.011	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-8.998	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-6.537	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-4.563	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-7.610	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-4.563	-0.0027	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-2.260	-0.0013	-2.5 to 2.5	Pass
					3.85	0.129	0.0001	-2.5 to 2.5	Pass
					4.43	-4.735	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-3.748	-0.0021	-2.5 to 2.5	Pass
					3.85	-8.597	-0.0049	-2.5 to 2.5	Pass
					4.43	-4.106	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-5.293	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-4.206	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-7.424	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-7.367	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-5.922	-0.0034	-2.5 to 2.5	Pass
					3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
					4.43	-3.619	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-6.981	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.593	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-8.755	-0.0051	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-4.935	-0.0028	-2.5 to 2.5	Pass
					3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.935	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-5.522	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass

	1747.5	75	0	20	3.27	-0.758	-0.0004	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
					4.43	-0.429	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-5.150	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-7.753	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-8.855	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-3.448	-0.0020	-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	-6.766	-0.0039	-2.5 to 2.5	Pass
					3.85	-9.856	-0.0057	-2.5 to 2.5	Pass
					4.43	-7.682	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-7.038	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-7.238	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-8.225	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-1.287	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
					4.43	0.315	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-4.892	-0.0028	-2.5 to 2.5	Pass
					3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.073	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-5.078	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-2.875	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-5.679	-0.0033	-2.5 to 2.5	Pass
					3.85	-7.381	-0.0043	-2.5 to 2.5	Pass
					4.43	-5.894	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-9.012	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-9.542	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-7.381	-0.0043	-2.5 to 2.5	Pass

				30	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-9.098	-0.0053	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	0.443	0.0003	-2.5 to 2.5	Pass
					3.85	1.459	0.0008	-2.5 to 2.5	Pass
					4.43	-3.376	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				0	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				10	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-2.446	-0.0014	-2.5 to 2.5	Pass
					3.85	0.801	0.0005	-2.5 to 2.5	Pass
					4.43	-2.189	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-1.359	-0.0008	-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

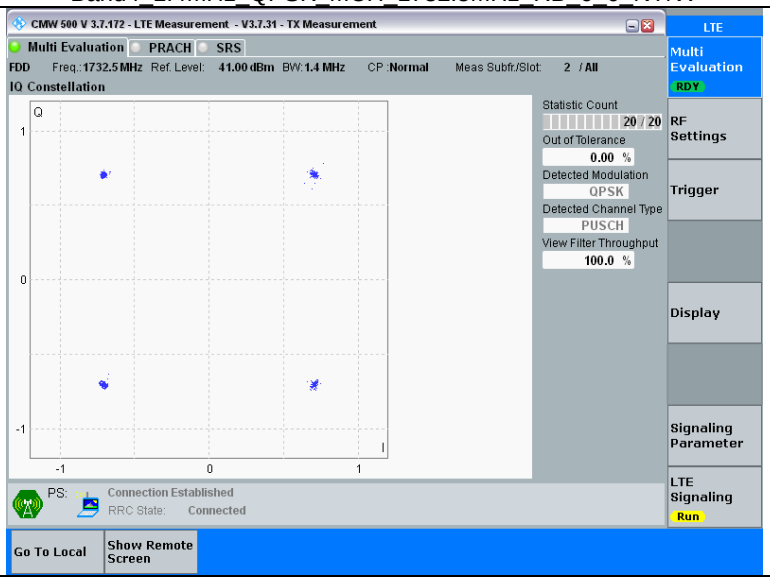
3.1.6 B4_20MHz

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

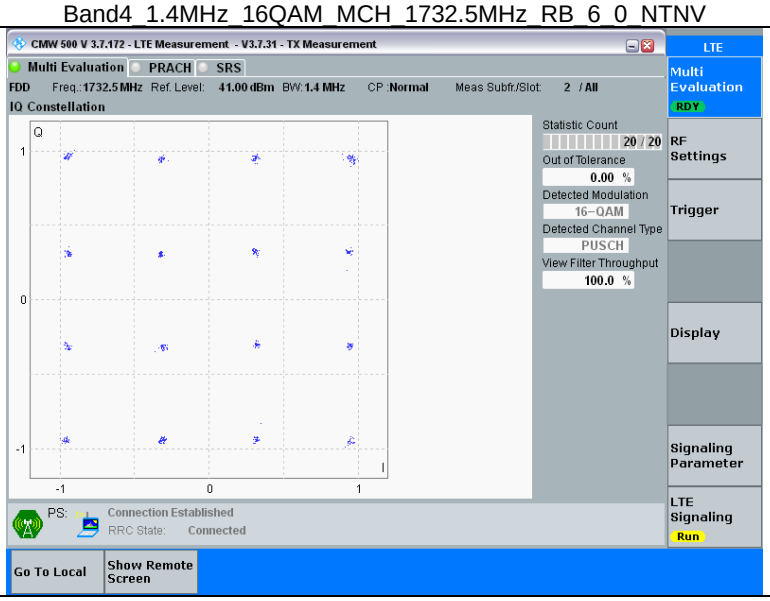
3.2 Test Graph

3.2.1 B4_1.4MHz

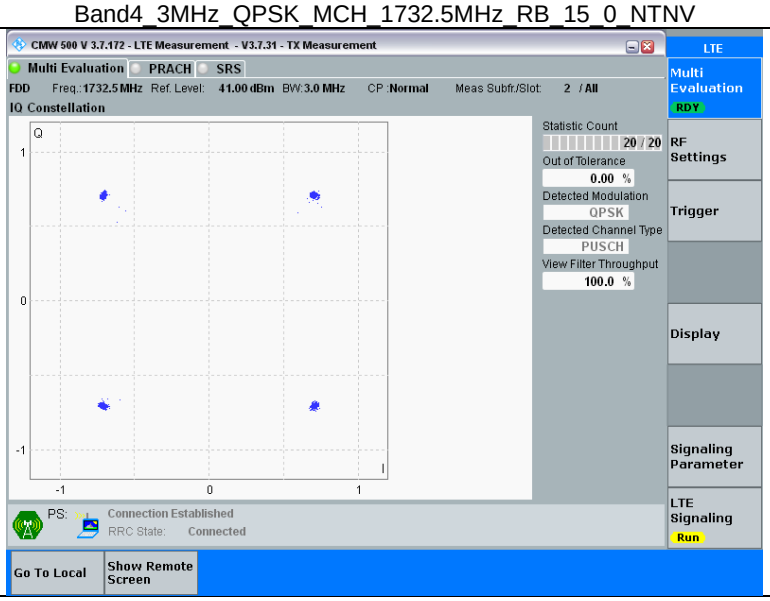
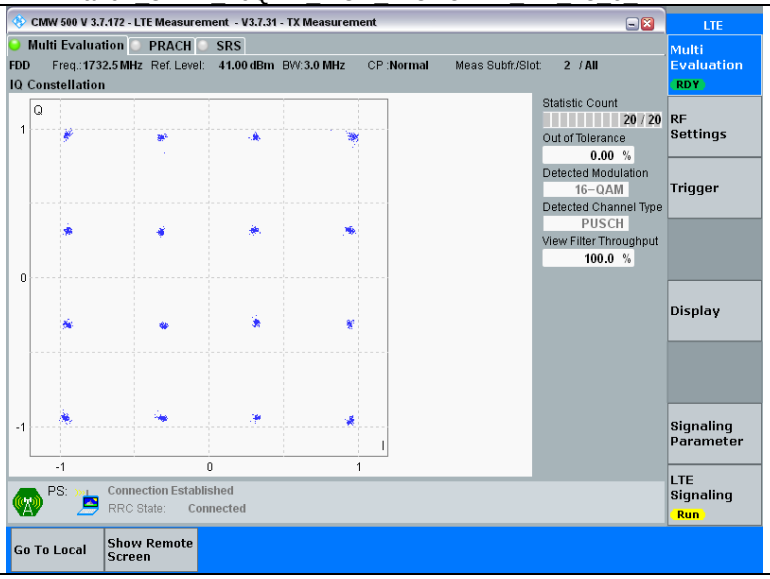
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



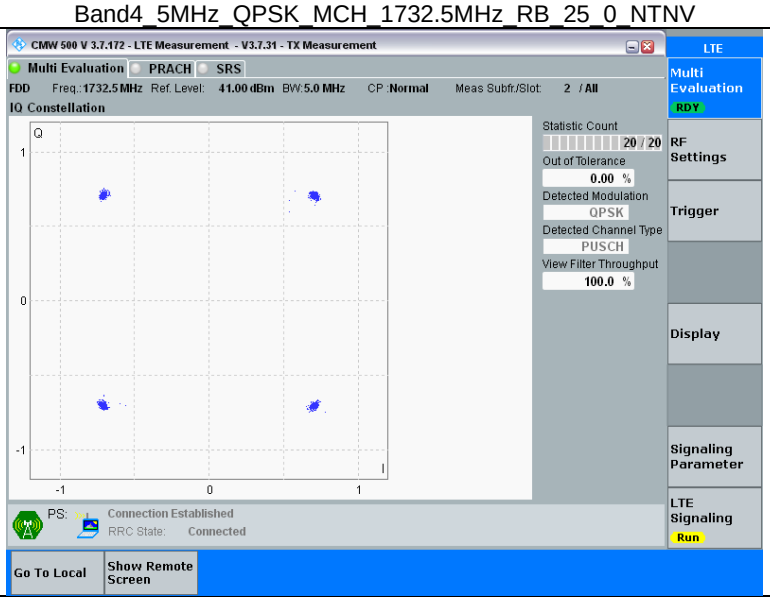
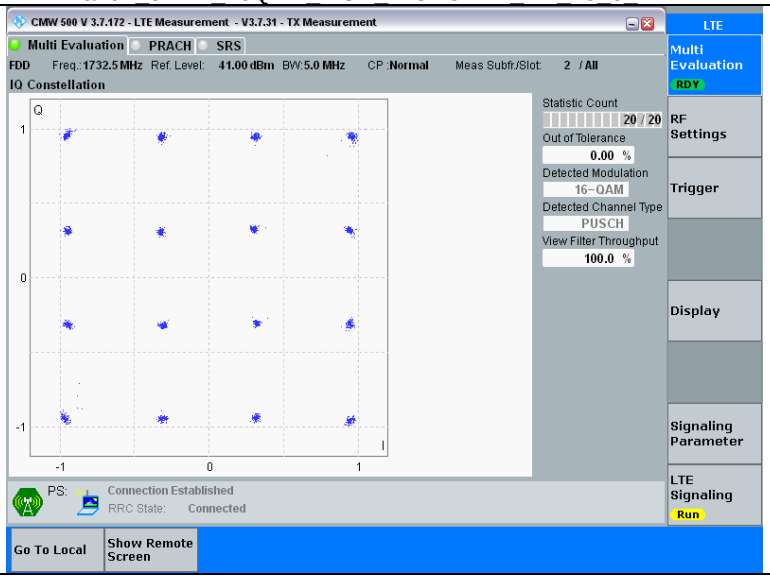
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



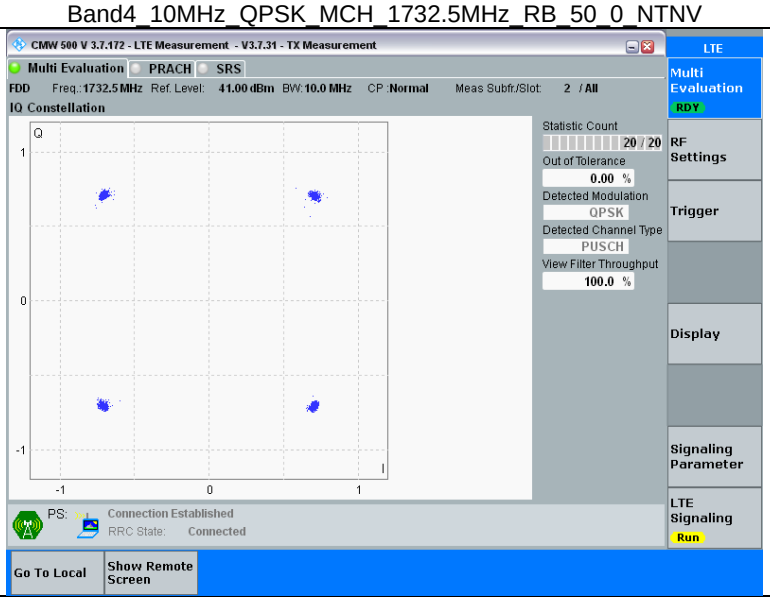
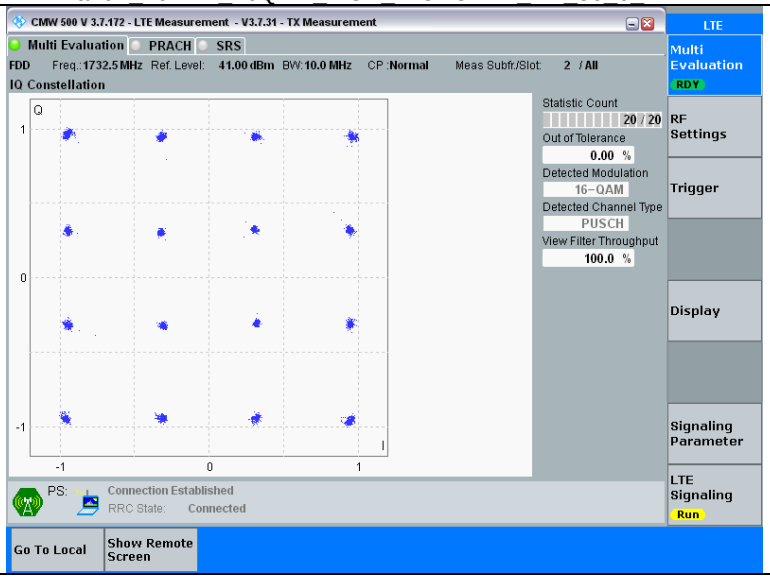
3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


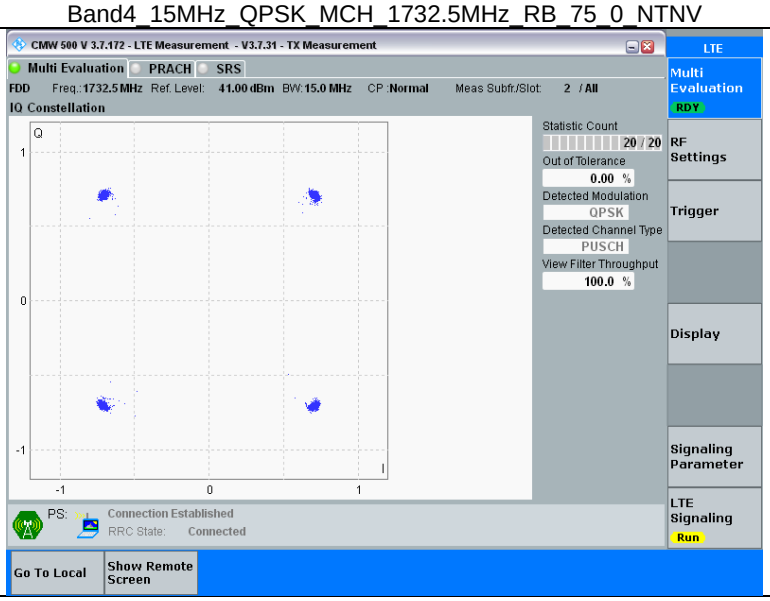
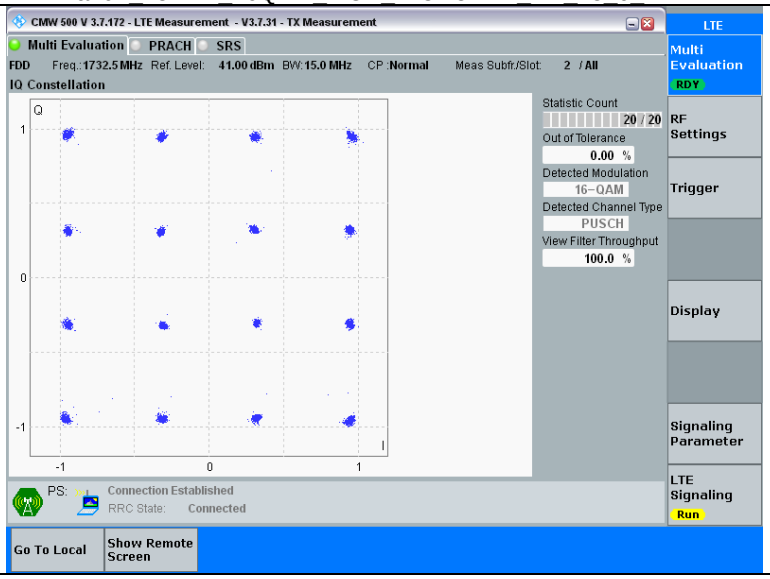
3.2.3 B4_5MHz

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

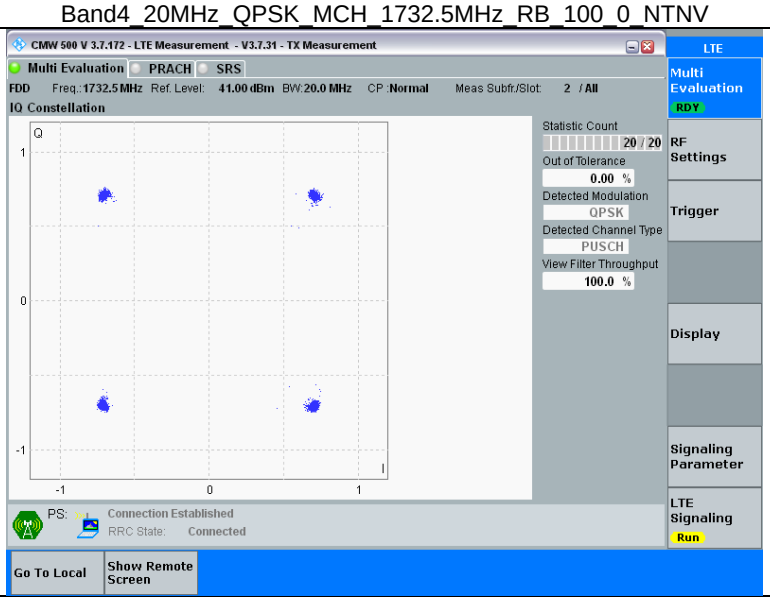
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV


3.2.5 B4_15MHz

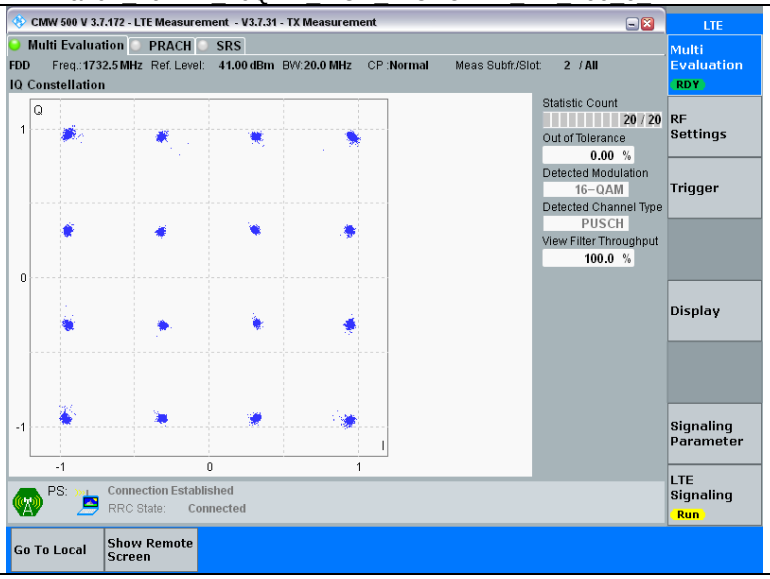
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

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	1.113	/	Pass
		1732.5	6	0	1.115	/	Pass
		1754.3	6	0	1.116	/	Pass
	16QAM	1710.7	6	0	1.114	/	Pass
		1732.5	6	0	1.111	/	Pass
		1754.3	6	0	1.119	/	Pass
3	QPSK	1711.5	15	0	2.730	/	Pass
		1732.5	15	0	2.733	/	Pass
		1753.5	15	0	2.731	/	Pass
	16QAM	1711.5	15	0	2.725	/	Pass
		1732.5	15	0	2.726	/	Pass
		1753.5	15	0	2.734	/	Pass
5	QPSK	1712.5	25	0	4.561	/	Pass
		1732.5	25	0	4.550	/	Pass
		1752.5	25	0	4.552	/	Pass
	16QAM	1712.5	25	0	4.530	/	Pass
		1732.5	25	0	4.544	/	Pass
		1752.5	25	0	4.558	/	Pass
10	QPSK	1715	50	0	9.054	/	Pass
		1732.5	50	0	9.065	/	Pass
		1750	50	0	9.062	/	Pass
	16QAM	1715	50	0	9.063	/	Pass
		1732.5	50	0	9.064	/	Pass
		1750	50	0	9.063	/	Pass
15	QPSK	1717.5	75	0	13.567	/	Pass
		1732.5	75	0	13.606	/	Pass
		1747.5	75	0	13.592	/	Pass
	16QAM	1717.5	75	0	13.579	/	Pass
		1732.5	75	0	13.617	/	Pass
		1747.5	75	0	13.646	/	Pass
20	QPSK	1720	100	0	18.162	/	Pass
		1732.5	100	0	18.089	/	Pass
		1745	100	0	18.100	/	Pass
	16QAM	1720	100	0	18.116	/	Pass
		1732.5	100	0	18.111	/	Pass
		1745	100	0	18.177	/	Pass

4.1.2 Band4_XDB

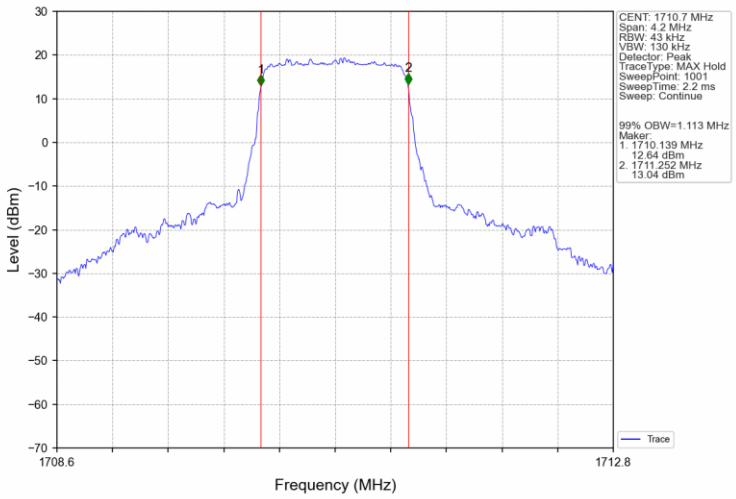
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.324	/	Pass
		1732.5	6	0	1.329	/	Pass
		1754.3	6	0	1.325	/	Pass
	16QAM	1710.7	6	0	1.330	/	Pass
		1732.5	6	0	1.308	/	Pass
		1754.3	6	0	1.319	/	Pass
3	QPSK	1711.5	15	0	2.977	/	Pass

		1732.5	15	0	2.994	/	Pass
		1753.5	15	0	3.011	/	Pass
	16QAM	1711.5	15	0	2.993	/	Pass
		1732.5	15	0	3.011	/	Pass
		1753.5	15	0	2.986	/	Pass
5	QPSK	1712.5	25	0	5.046	/	Pass
		1732.5	25	0	5.023	/	Pass
		1752.5	25	0	5.246	/	Pass
	16QAM	1712.5	25	0	5.016	/	Pass
		1732.5	25	0	5.033	/	Pass
		1752.5	25	0	5.007	/	Pass
10	QPSK	1715	50	0	9.945	/	Pass
		1732.5	50	0	10.000	/	Pass
		1750	50	0	10.035	/	Pass
	16QAM	1715	50	0	9.906	/	Pass
		1732.5	50	0	9.882	/	Pass
		1750	50	0	9.931	/	Pass
15	QPSK	1717.5	75	0	14.905	/	Pass
		1732.5	75	0	15.012	/	Pass
		1747.5	75	0	14.938	/	Pass
	16QAM	1717.5	75	0	14.870	/	Pass
		1732.5	75	0	14.882	/	Pass
		1747.5	75	0	14.977	/	Pass
20	QPSK	1720	100	0	19.733	/	Pass
		1732.5	100	0	19.846	/	Pass
		1745	100	0	19.814	/	Pass
	16QAM	1720	100	0	19.677	/	Pass
		1732.5	100	0	19.774	/	Pass
		1745	100	0	19.761	/	Pass

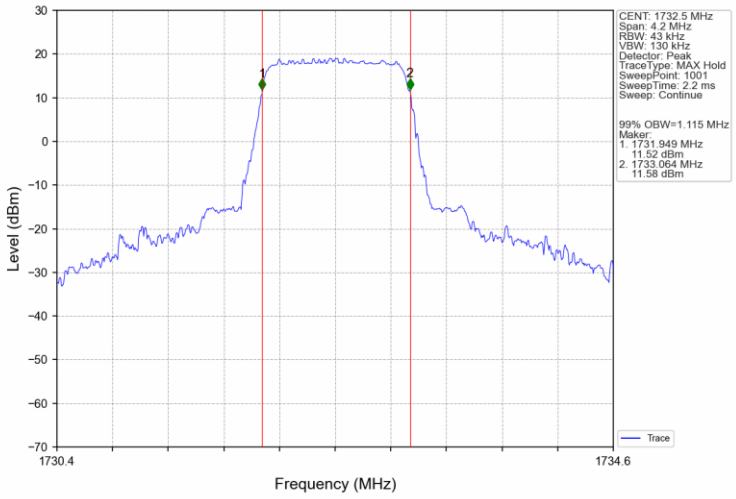
4.2 Test Graph

4.2.1 Band4_OBW

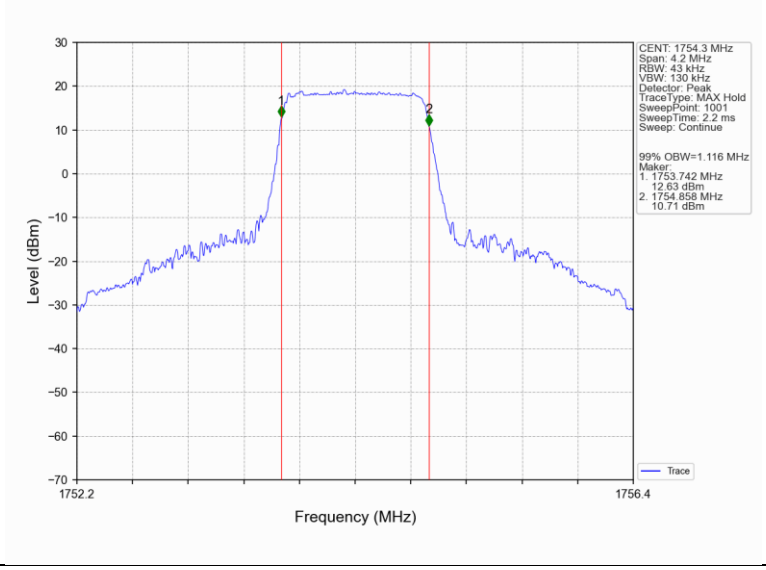
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



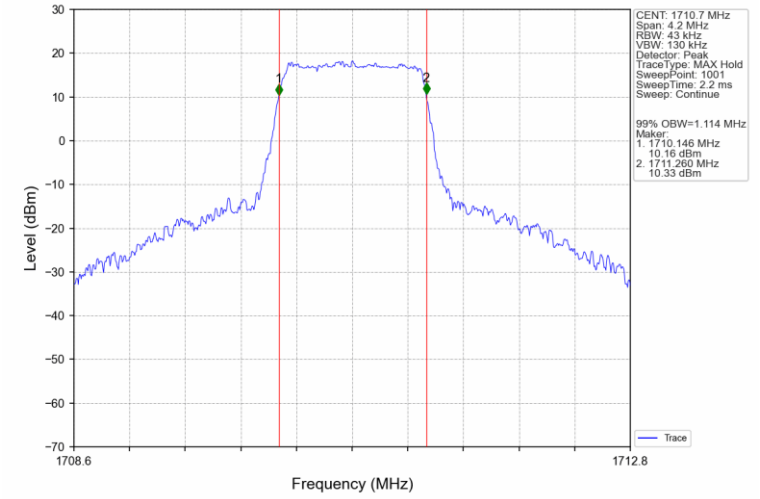
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



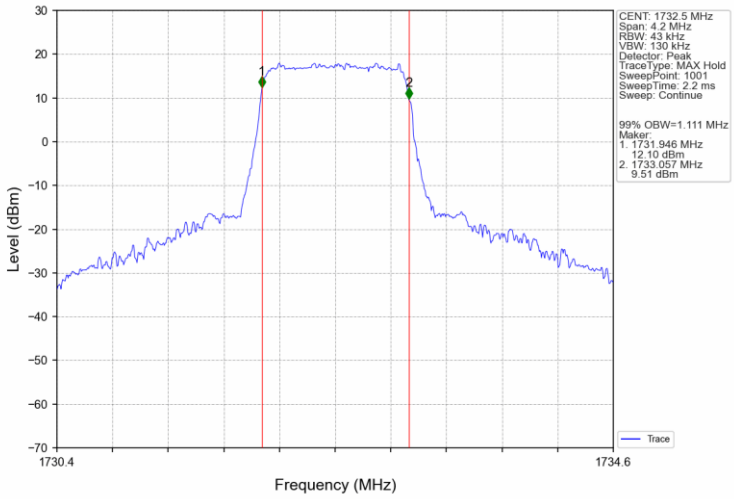
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



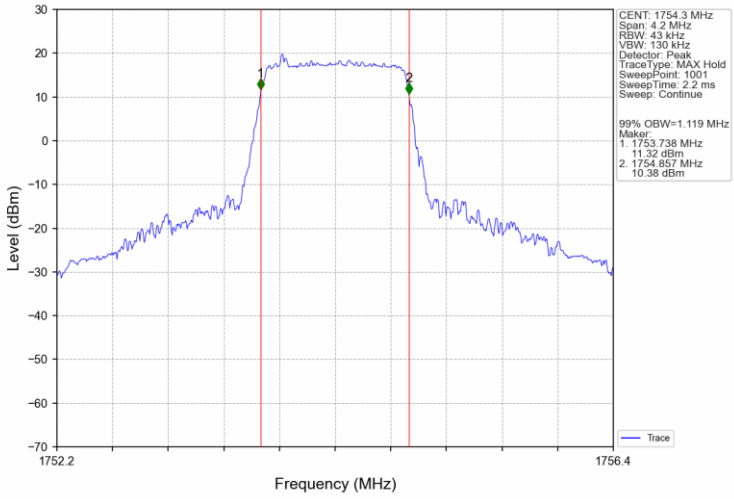
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



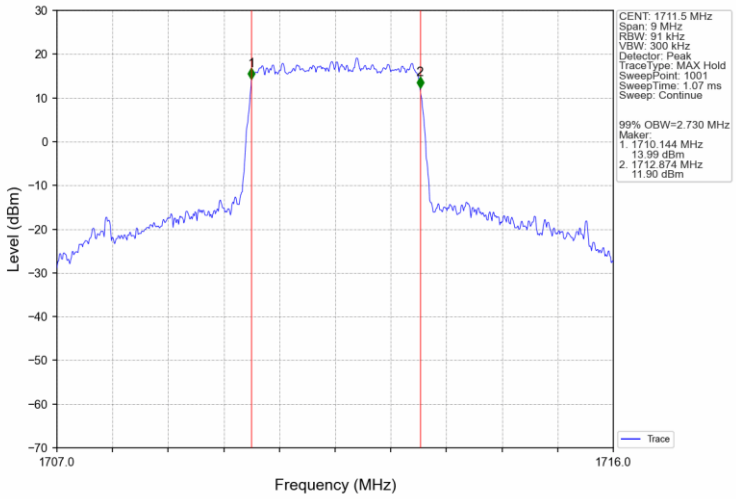
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



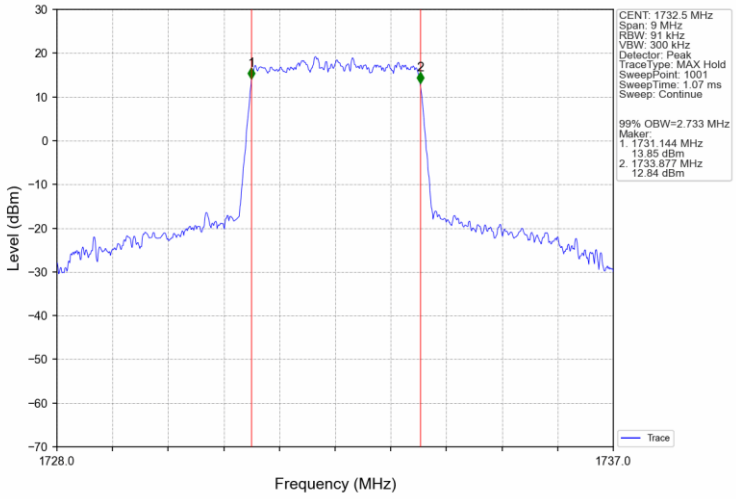
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



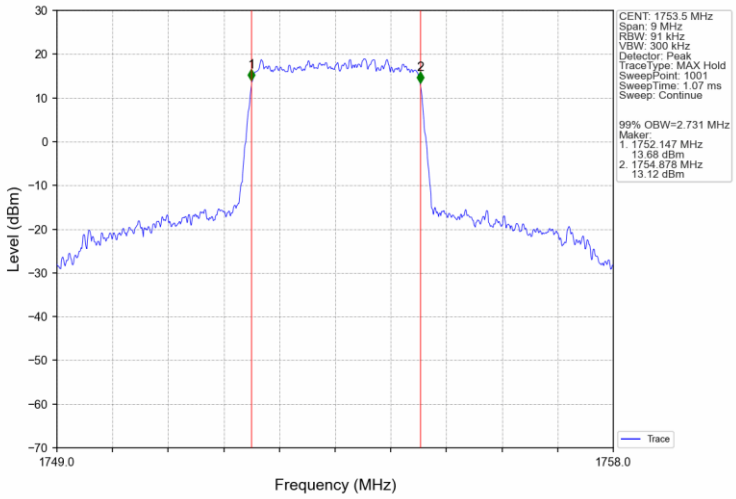
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



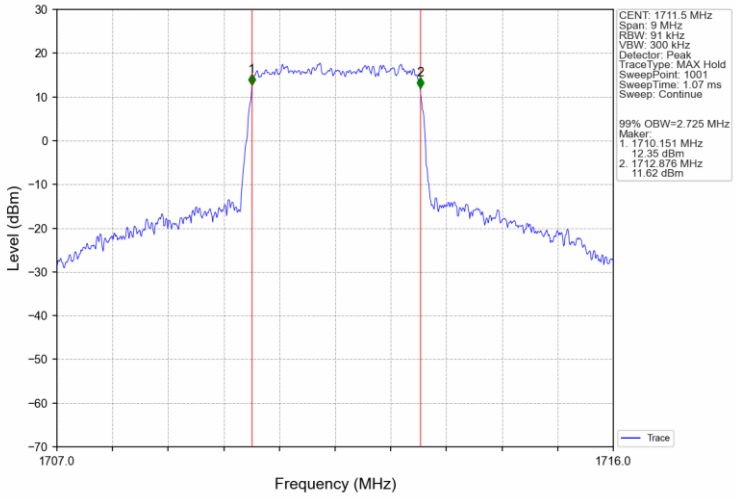
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



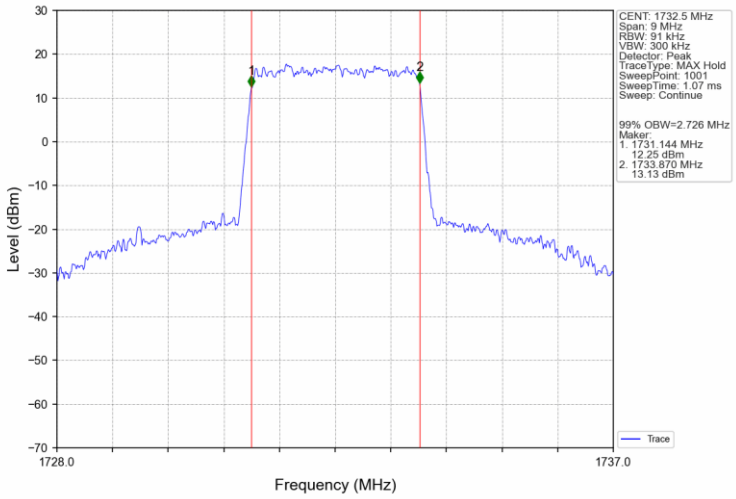
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



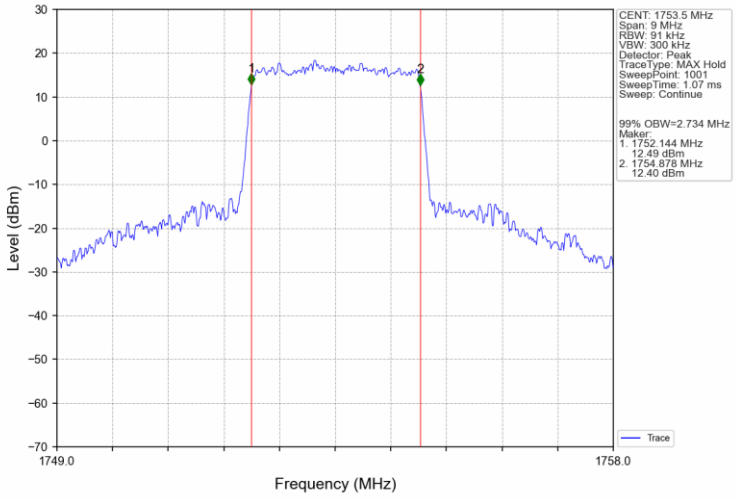
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



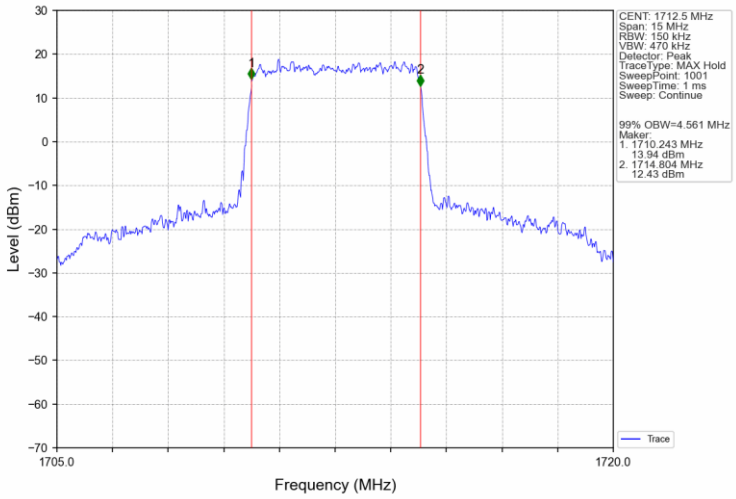
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



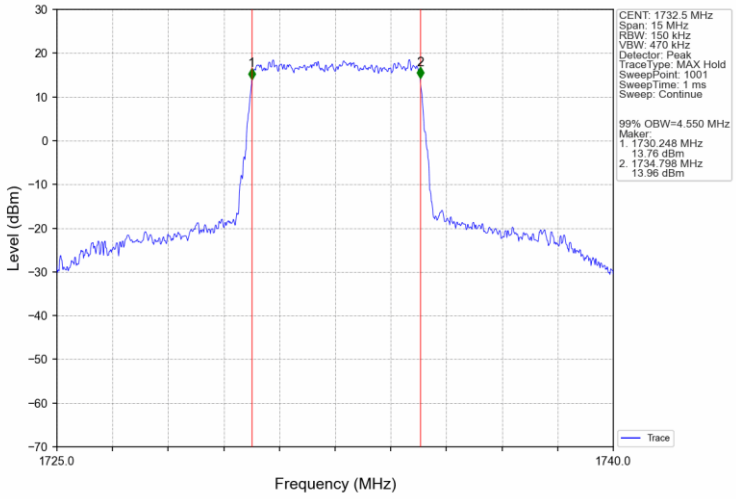
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



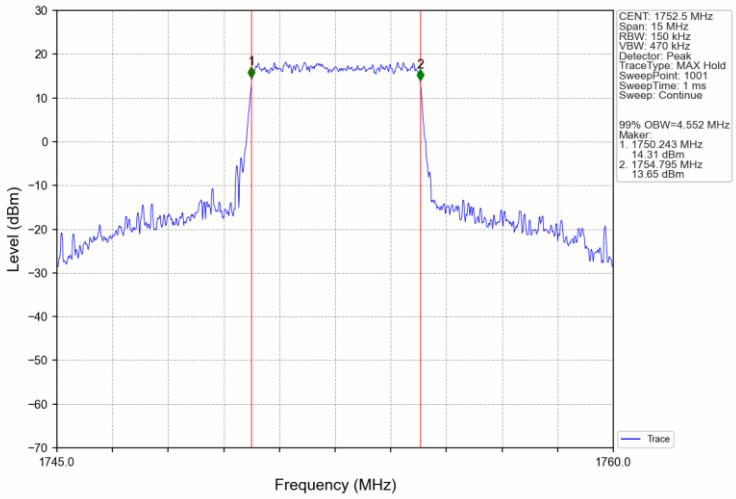
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



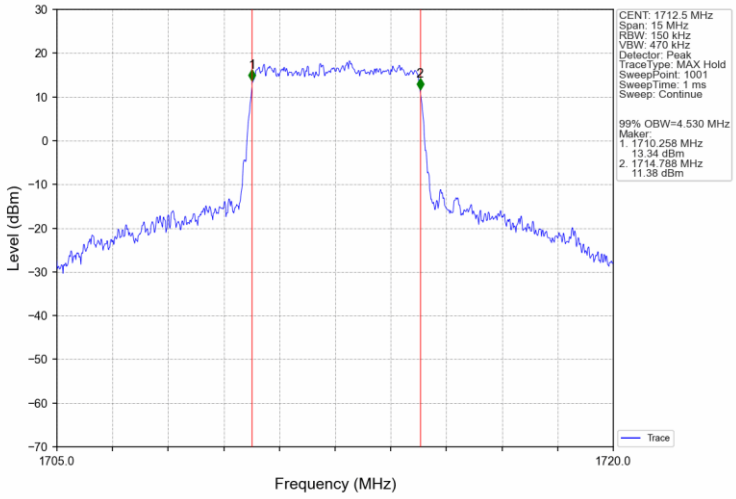
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



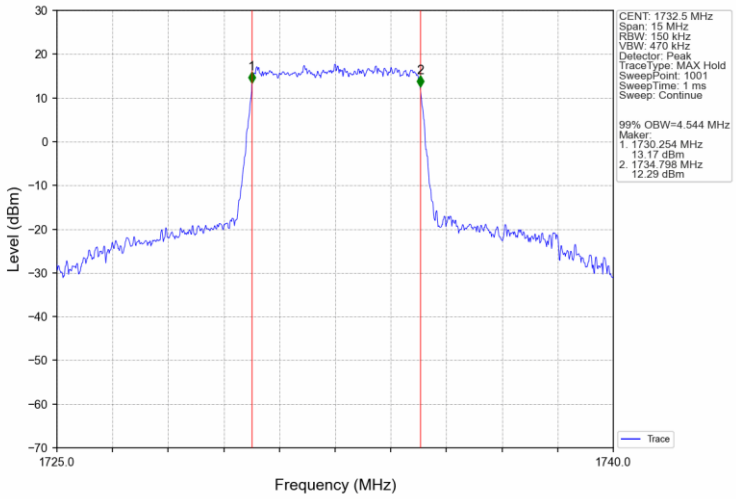
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



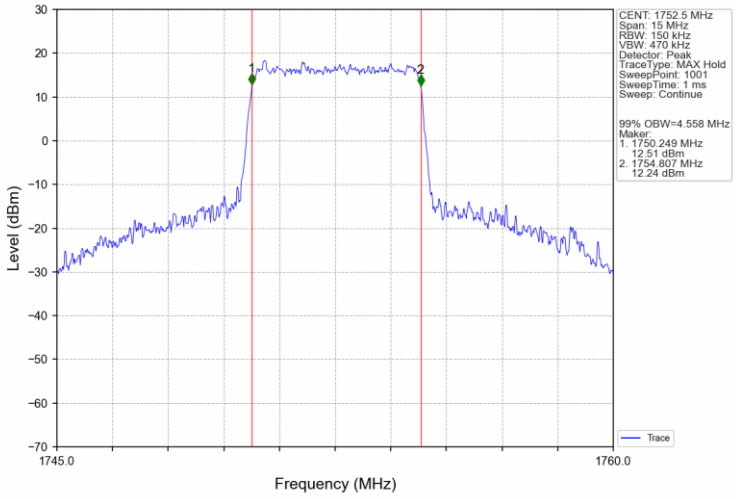
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



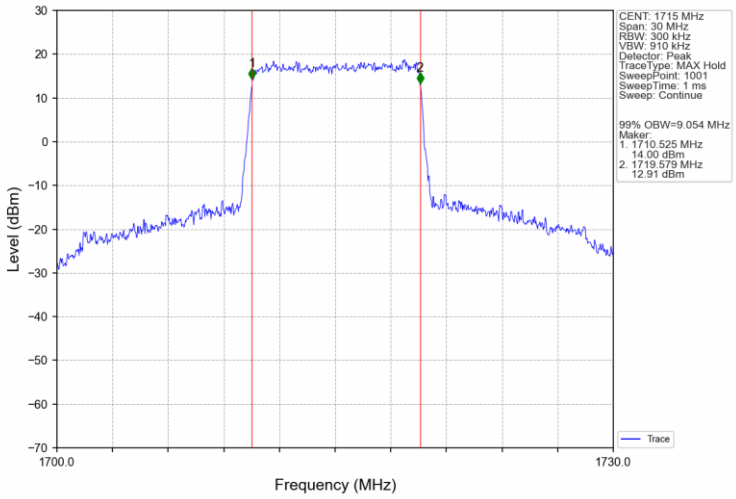
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



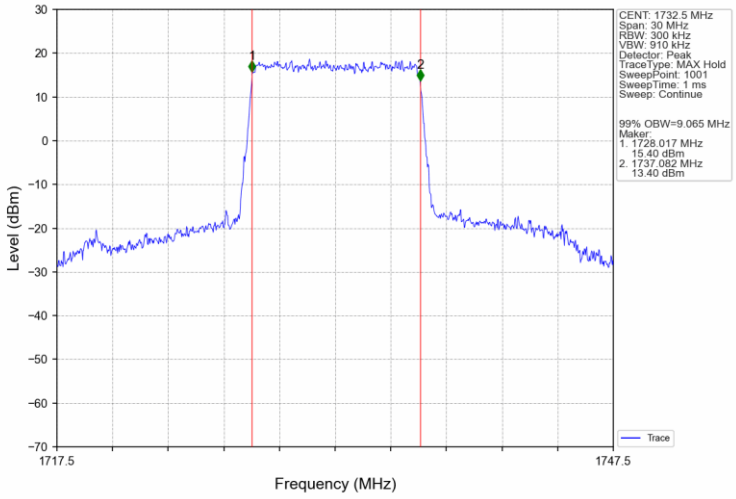
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



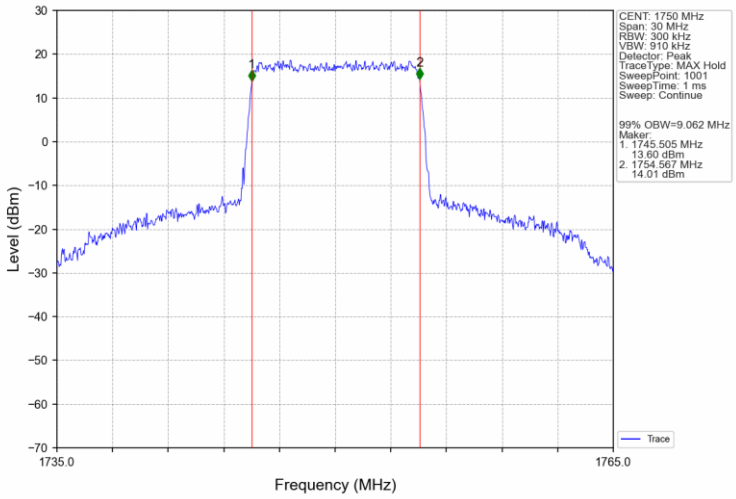
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



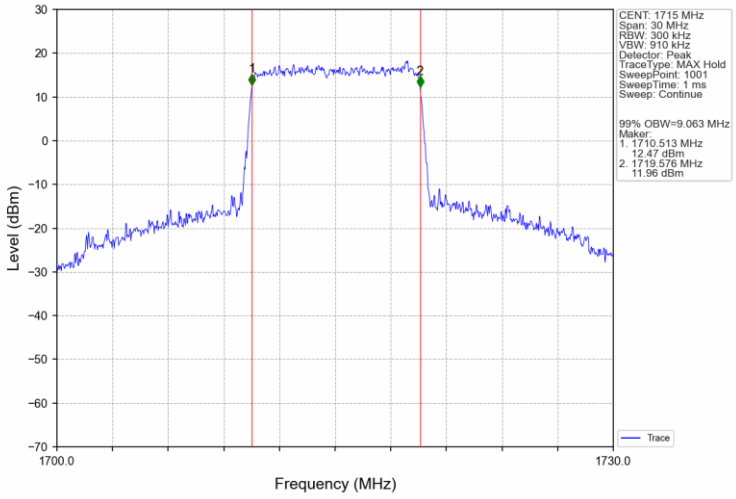
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



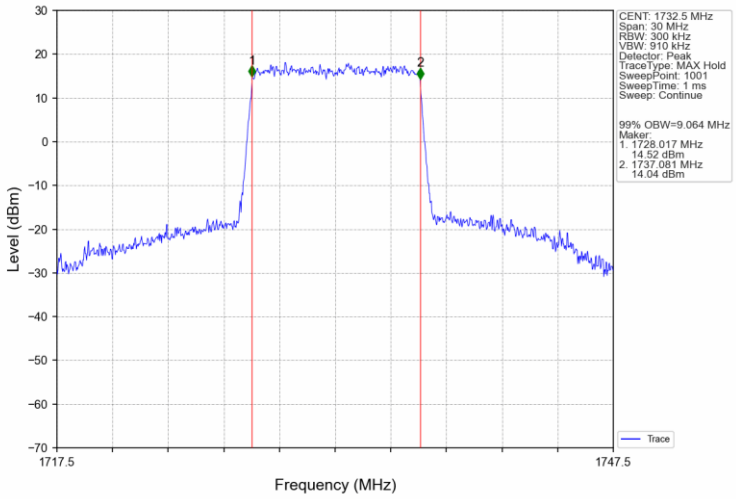
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



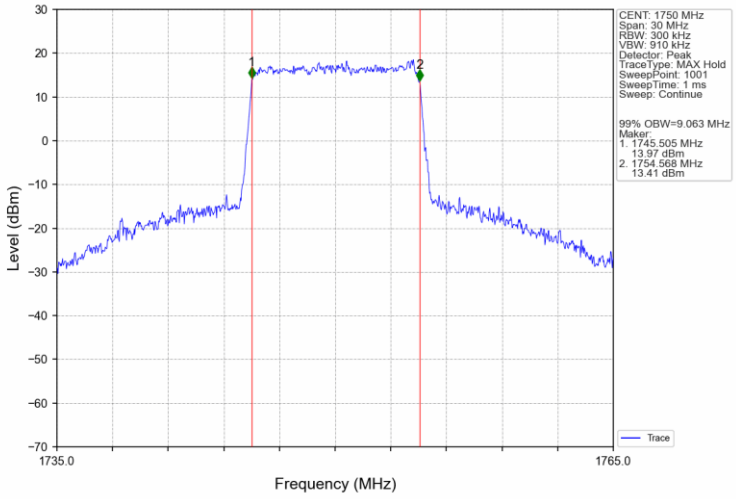
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



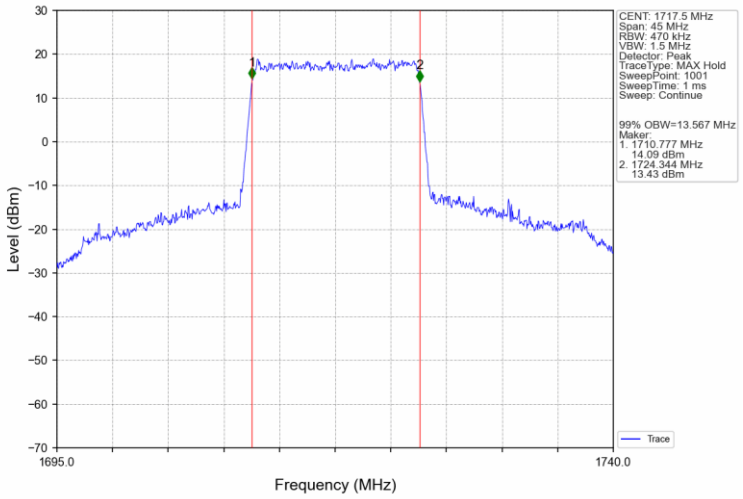
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



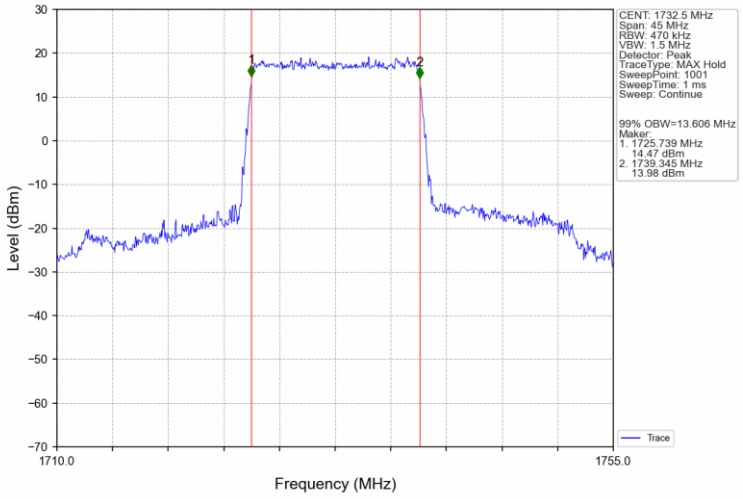
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



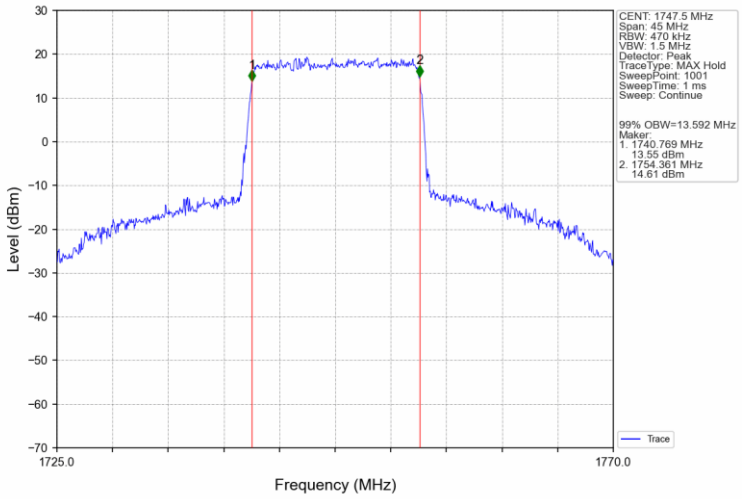
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



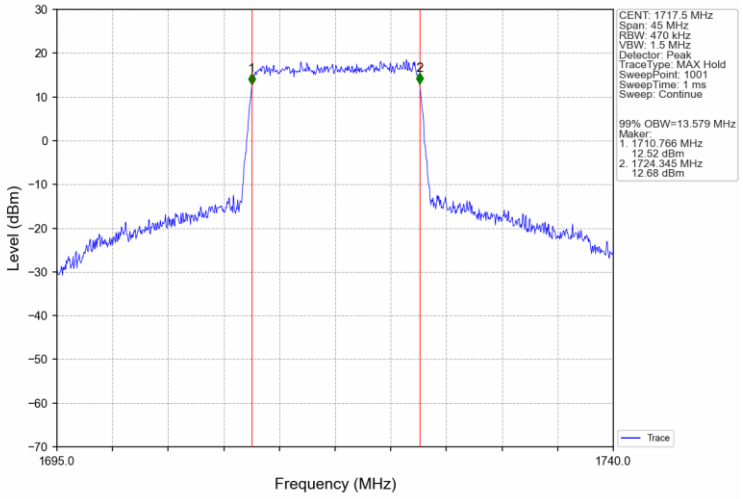
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



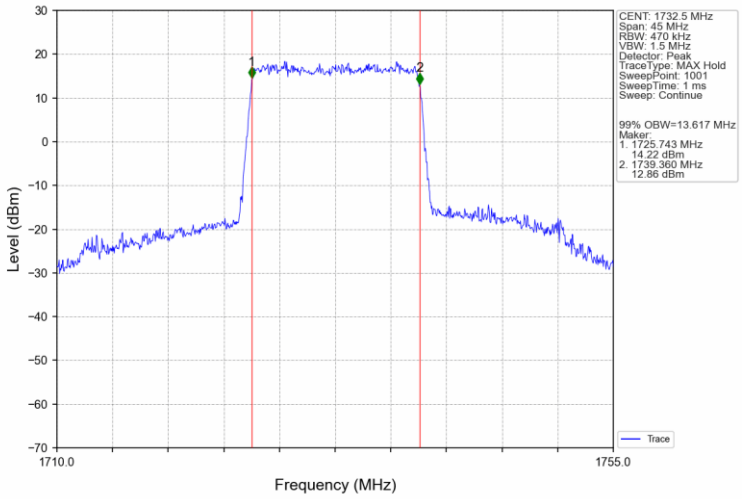
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



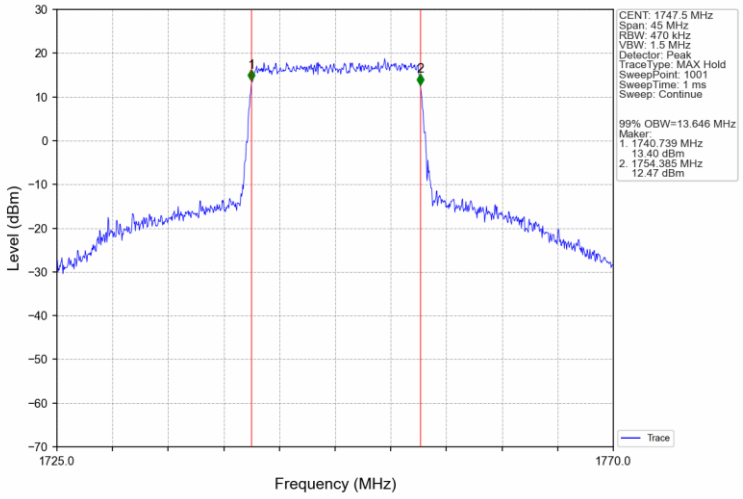
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



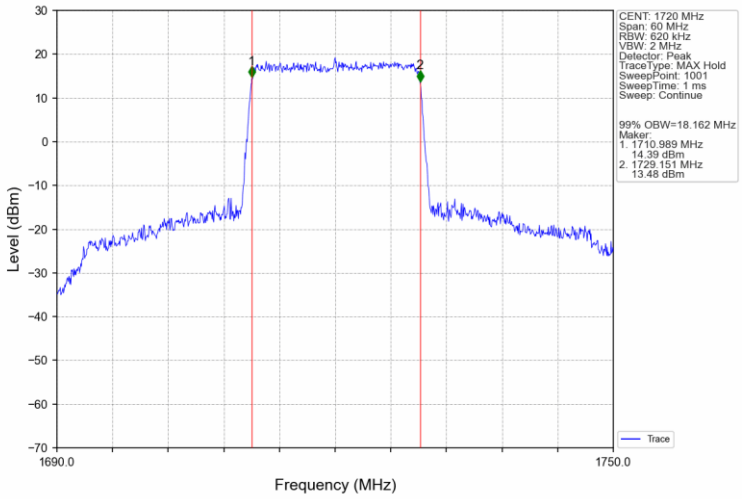
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



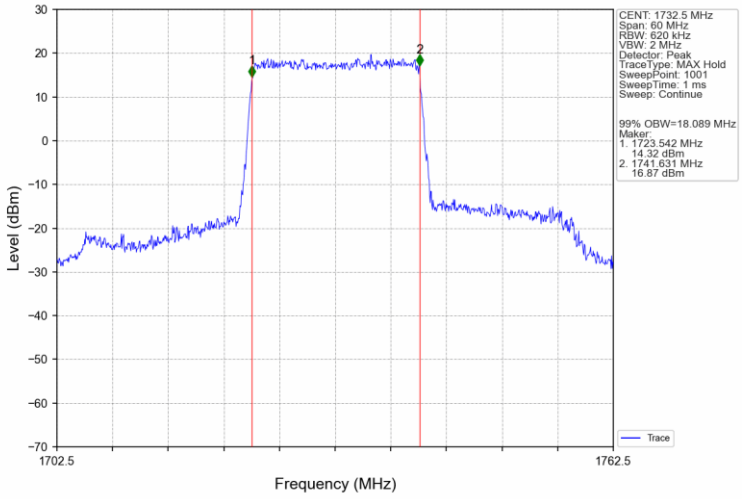
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



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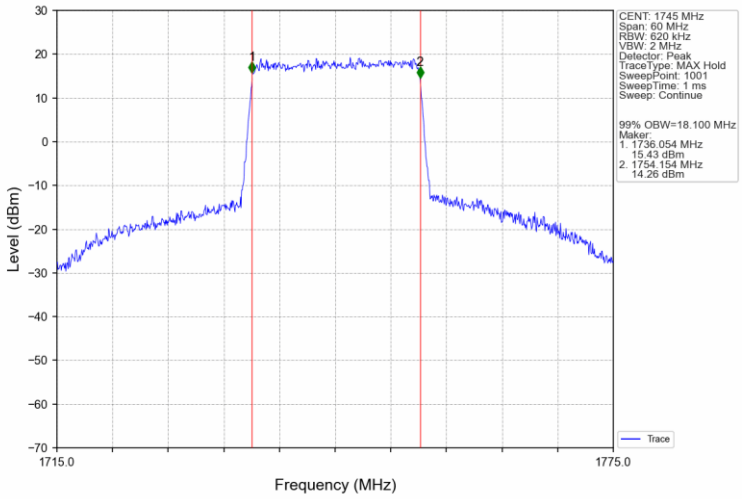
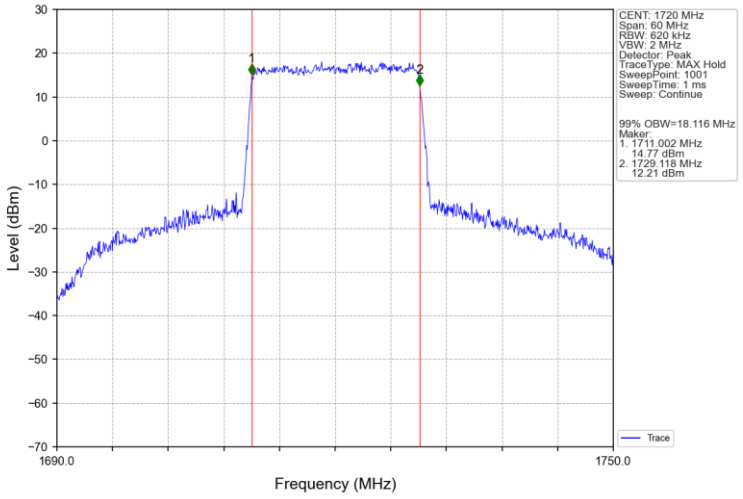
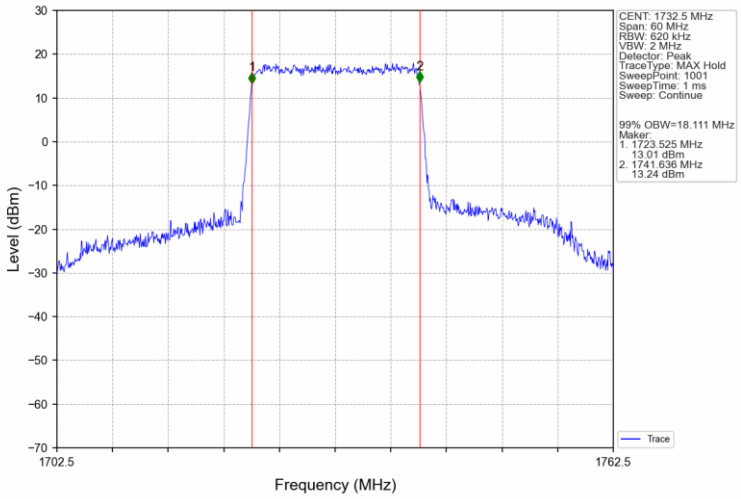


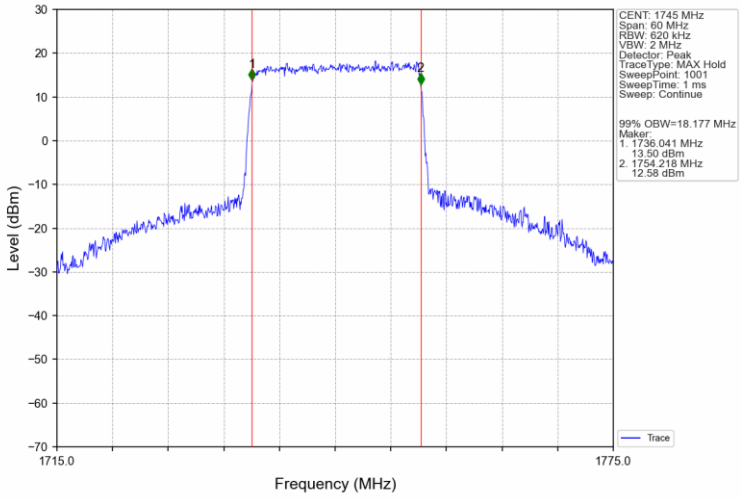
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

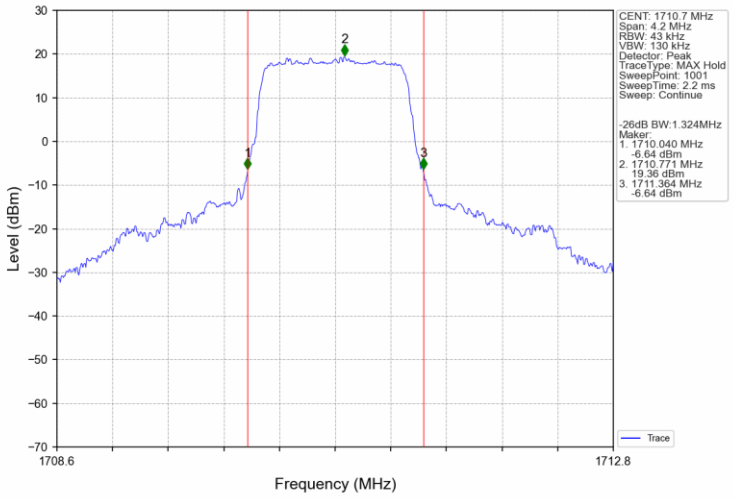


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

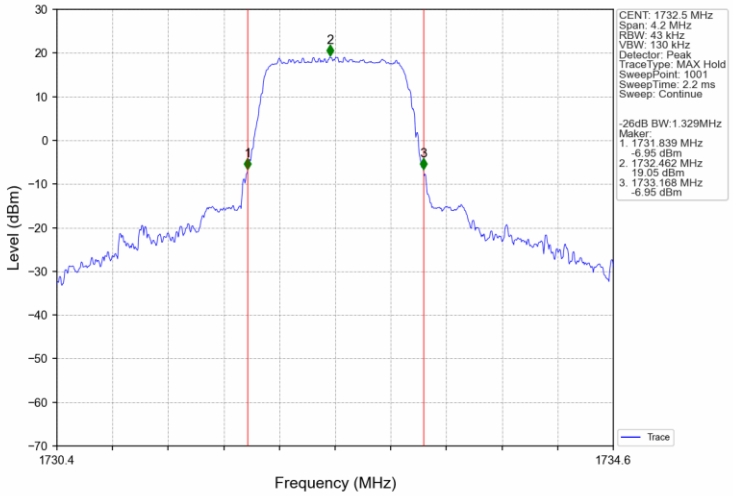


4.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



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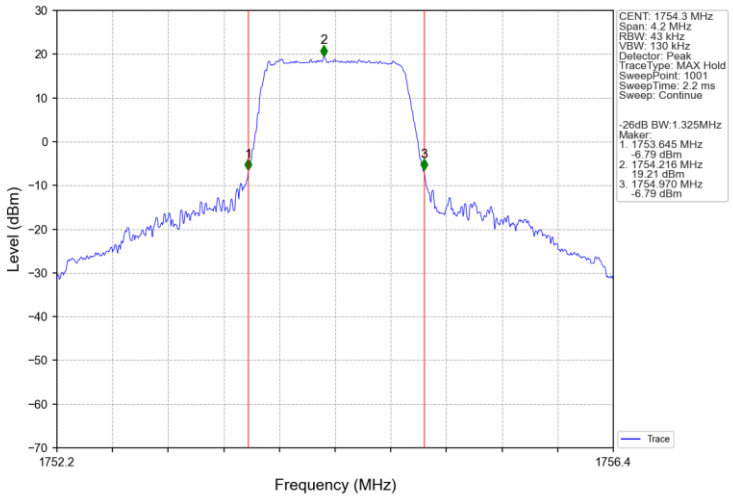
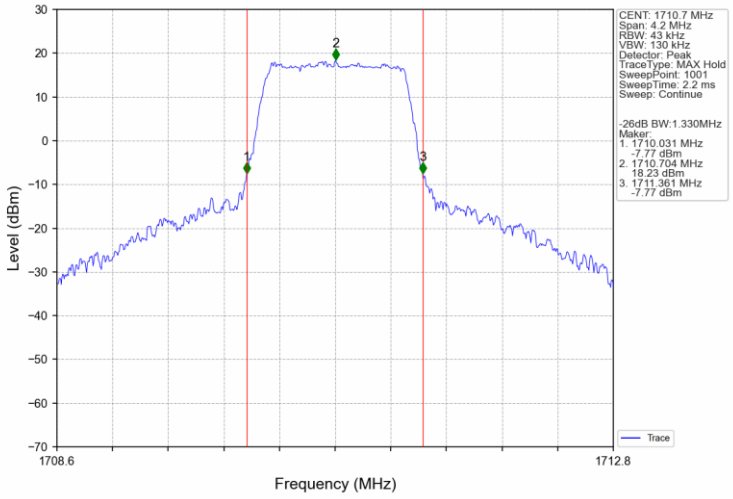
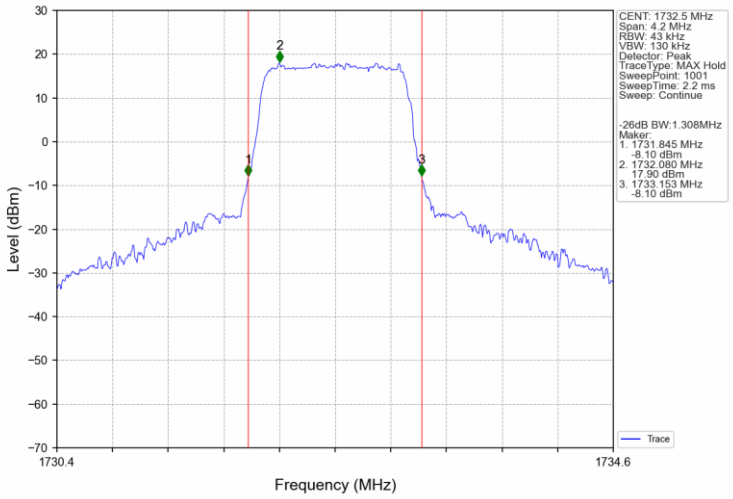


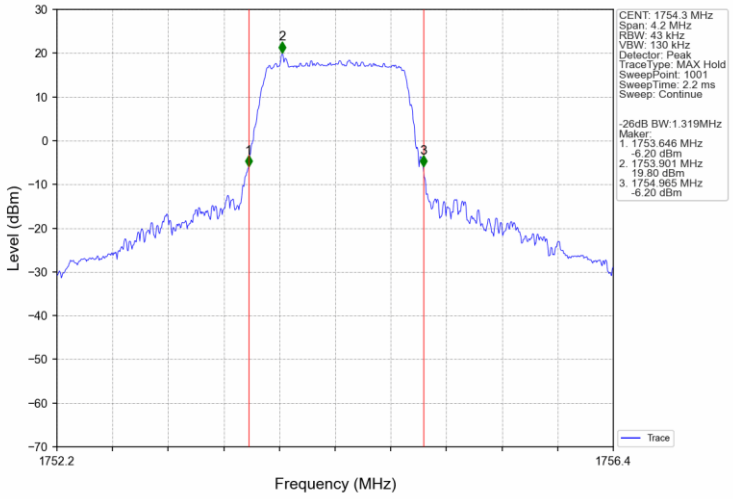
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



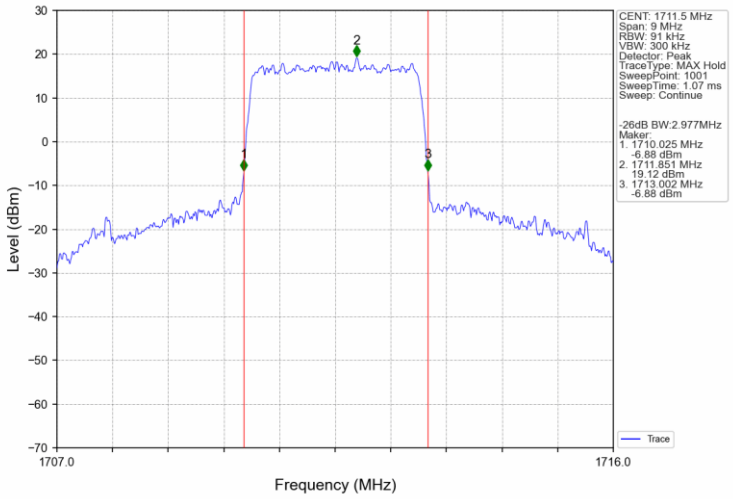
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



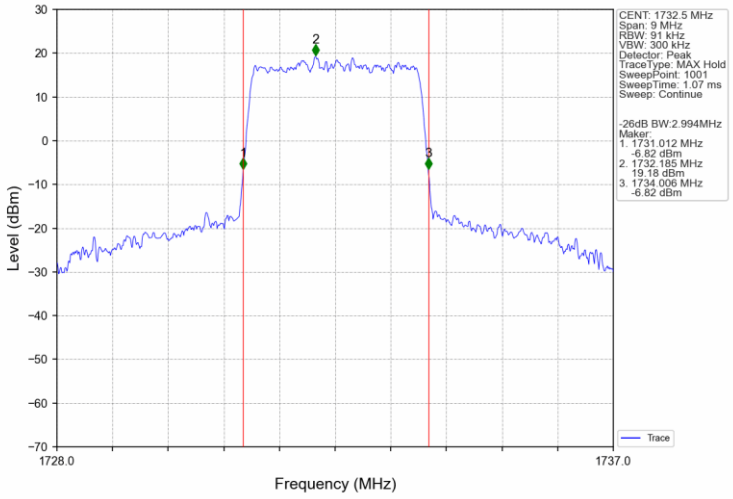
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



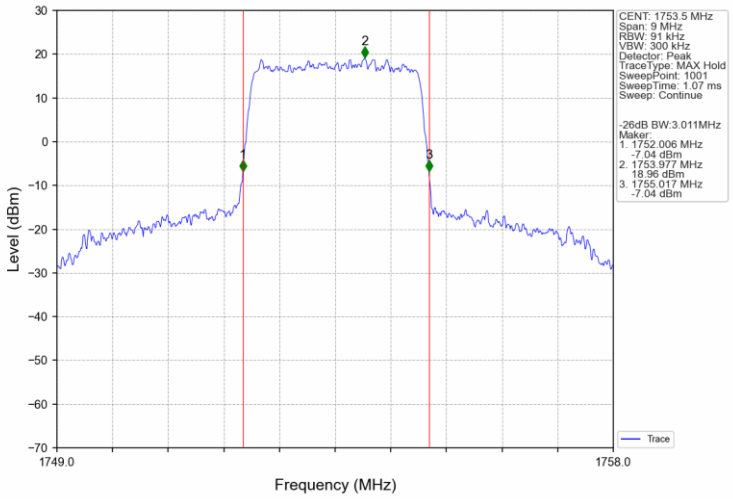
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



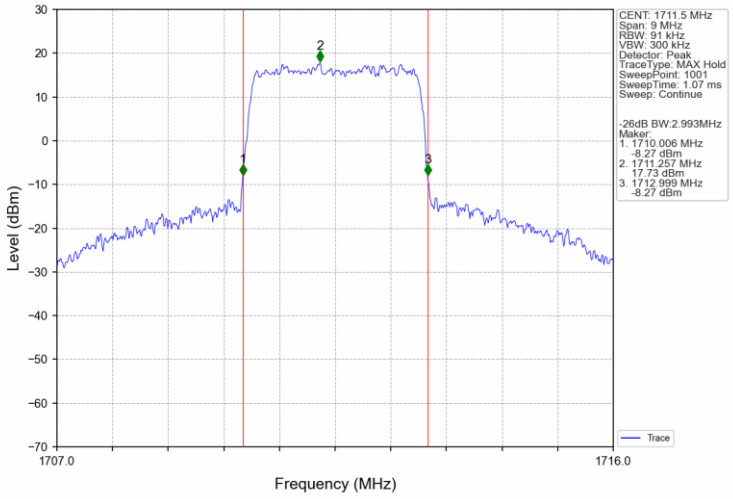
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



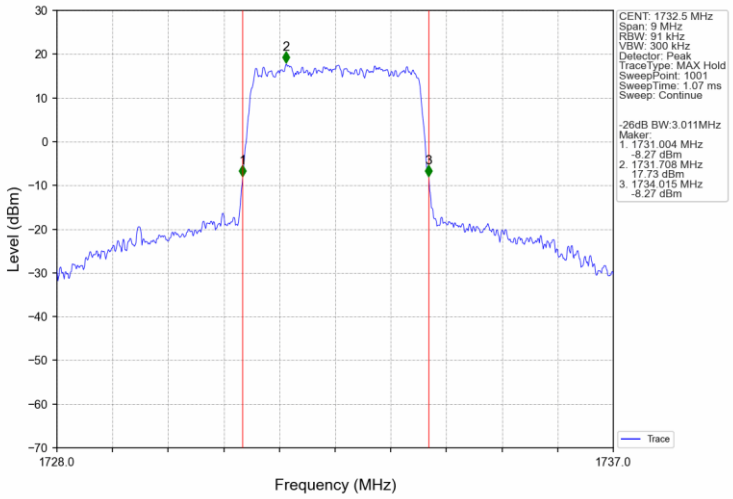
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



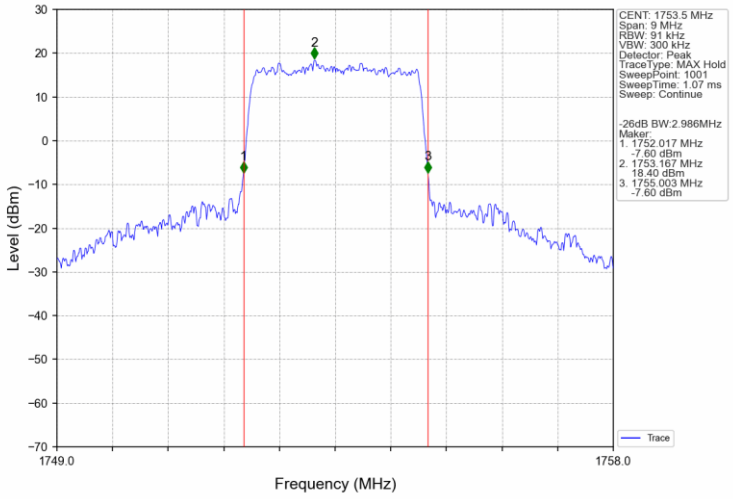
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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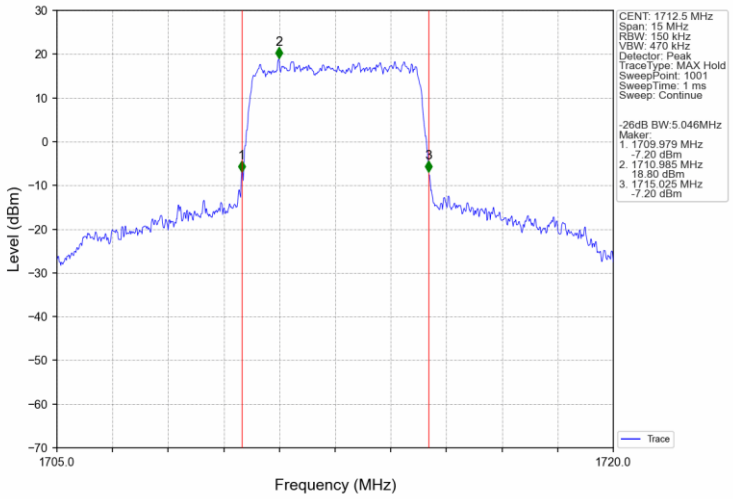

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV