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	23.35	0.92	24.27	<=30	Pass
			2	23.47	0.92	24.39	<=30	Pass
			5	23.37	0.92	24.29	<=30	Pass
		3	0	23.39	0.92	24.31	<=30	Pass
			2	23.41	0.92	24.33	<=30	Pass
			3	23.41	0.92	24.33	<=30	Pass
		6	0	22.46	0.92	23.38	<=30	Pass
	1732.5	1	0	23.42	0.92	24.34	<=30	Pass
			2	23.51	0.92	24.43	<=30	Pass
			5	23.43	0.92	24.35	<=30	Pass
		3	0	23.48	0.92	24.40	<=30	Pass
			2	23.53	0.92	24.45	<=30	Pass
			3	23.49	0.92	24.41	<=30	Pass
		6	0	22.57	0.92	23.49	<=30	Pass
	1754.3	1	0	23.67	0.92	24.59	<=30	Pass
			2	23.78	0.92	24.70	<=30	Pass
			5	23.66	0.92	24.58	<=30	Pass
		3	0	23.78	0.92	24.70	<=30	Pass
			2	23.80	0.92	24.72	<=30	Pass
			3	23.77	0.92	24.69	<=30	Pass
		6	0	22.82	0.92	23.74	<=30	Pass
16QAM	1710.7	1	0	22.37	0.92	23.29	<=30	Pass
			2	22.49	0.92	23.41	<=30	Pass
			5	22.45	0.92	23.37	<=30	Pass
		3	0	22.47	0.92	23.39	<=30	Pass
			2	22.47	0.92	23.39	<=30	Pass
			3	22.45	0.92	23.37	<=30	Pass
		6	0	21.37	0.92	22.29	<=30	Pass
	1732.5	1	0	22.61	0.92	23.53	<=30	Pass
			2	22.71	0.92	23.63	<=30	Pass
			5	22.61	0.92	23.53	<=30	Pass
		3	0	22.50	0.92	23.42	<=30	Pass
			2	22.49	0.92	23.41	<=30	Pass
			3	22.45	0.92	23.37	<=30	Pass
		6	0	21.55	0.92	22.47	<=30	Pass
	1754.3	1	0	22.73	0.92	23.65	<=30	Pass
			2	22.80	0.92	23.72	<=30	Pass
			5	22.72	0.92	23.64	<=30	Pass
		3	0	22.94	0.92	23.86	<=30	Pass
			2	22.99	0.92	23.91	<=30	Pass
			3	22.96	0.92	23.88	<=30	Pass
		6	0	21.82	0.92	22.74	<=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	23.46	0.92	24.38	<=30	Pass
			7	23.56	0.92	24.48	<=30	Pass
			14	23.42	0.92	24.34	<=30	Pass
		8	0	22.46	0.92	23.38	<=30	Pass
			4	22.49	0.92	23.41	<=30	Pass
			7	22.43	0.92	23.35	<=30	Pass
		15	0	22.39	0.92	23.31	<=30	Pass
	1732.5	1	0	23.43	0.92	24.35	<=30	Pass
			7	23.56	0.92	24.48	<=30	Pass
			14	23.42	0.92	24.34	<=30	Pass
		8	0	22.51	0.92	23.43	<=30	Pass
			4	22.52	0.92	23.44	<=30	Pass
			7	22.47	0.92	23.39	<=30	Pass
		15	0	22.48	0.92	23.40	<=30	Pass
	1753.5	1	0	23.65	0.92	24.57	<=30	Pass
			7	23.81	0.92	24.73	<=30	Pass
			14	23.64	0.92	24.56	<=30	Pass
		8	0	22.71	0.92	23.63	<=30	Pass
			4	22.76	0.92	23.68	<=30	Pass
			7	22.72	0.92	23.64	<=30	Pass
		15	0	22.72	0.92	23.64	<=30	Pass
16QAM	1711.5	1	0	22.49	0.92	23.41	<=30	Pass
			7	22.60	0.92	23.52	<=30	Pass
			14	22.41	0.92	23.33	<=30	Pass
		8	0	21.48	0.92	22.40	<=30	Pass
			4	21.49	0.92	22.41	<=30	Pass
			7	21.45	0.92	22.37	<=30	Pass
		15	0	21.46	0.92	22.38	<=30	Pass
	1732.5	1	0	22.64	0.92	23.56	<=30	Pass
			7	22.72	0.92	23.64	<=30	Pass
			14	22.61	0.92	23.53	<=30	Pass
		8	0	21.44	0.92	22.36	<=30	Pass
			4	21.47	0.92	22.39	<=30	Pass
			7	21.44	0.92	22.36	<=30	Pass
		15	0	21.40	0.92	22.32	<=30	Pass
	1753.5	1	0	23.20	0.92	24.12	<=30	Pass
			7	23.35	0.92	24.27	<=30	Pass
			14	23.21	0.92	24.13	<=30	Pass
		8	0	21.85	0.92	22.77	<=30	Pass
			4	21.86	0.92	22.78	<=30	Pass
			7	21.86	0.92	22.78	<=30	Pass
		15	0	21.76	0.92	22.68	<=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	23.30	0.92	24.22	<=30	Pass
			13	23.41	0.92	24.33	<=30	Pass
			24	23.30	0.92	24.22	<=30	Pass
		12	0	22.39	0.92	23.31	<=30	Pass
			6	22.47	0.92	23.39	<=30	Pass
			13	22.43	0.92	23.35	<=30	Pass
		25	0	22.40	0.92	23.32	<=30	Pass
	1732.5	1	0	23.35	0.92	24.27	<=30	Pass
			13	23.46	0.92	24.38	<=30	Pass
			24	23.35	0.92	24.27	<=30	Pass
		12	0	22.45	0.92	23.37	<=30	Pass
			6	22.50	0.92	23.42	<=30	Pass
			13	22.43	0.92	23.35	<=30	Pass
		25	0	22.43	0.92	23.35	<=30	Pass
	1752.5	1	0	23.52	0.92	24.44	<=30	Pass
			13	23.68	0.92	24.60	<=30	Pass
			24	23.63	0.92	24.55	<=30	Pass
		12	0	22.66	0.92	23.58	<=30	Pass
			6	22.78	0.92	23.70	<=30	Pass
			13	22.72	0.92	23.64	<=30	Pass
		25	0	22.72	0.92	23.64	<=30	Pass
16QAM	1712.5	1	0	22.45	0.92	23.37	<=30	Pass
			13	22.55	0.92	23.47	<=30	Pass
			24	22.43	0.92	23.35	<=30	Pass
		12	0	21.33	0.92	22.25	<=30	Pass
			6	21.39	0.92	22.31	<=30	Pass
			13	21.34	0.92	22.26	<=30	Pass
		25	0	21.39	0.92	22.31	<=30	Pass
	1732.5	1	0	22.60	0.92	23.52	<=30	Pass
			13	22.73	0.92	23.65	<=30	Pass
			24	22.61	0.92	23.53	<=30	Pass
		12	0	21.45	0.92	22.37	<=30	Pass
			6	21.49	0.92	22.41	<=30	Pass
			13	21.41	0.92	22.33	<=30	Pass
		25	0	21.45	0.92	22.37	<=30	Pass
	1752.5	1	0	22.44	0.92	23.36	<=30	Pass
			13	22.58	0.92	23.50	<=30	Pass
			24	22.52	0.92	23.44	<=30	Pass
		12	0	21.62	0.92	22.54	<=30	Pass
			6	21.74	0.92	22.66	<=30	Pass
			13	21.63	0.92	22.55	<=30	Pass
		25	0	21.72	0.92	22.64	<=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	23.39	0.92	24.31	<=30	Pass
			25	23.60	0.92	24.52	<=30	Pass
			49	23.37	0.92	24.29	<=30	Pass
		25	0	22.40	0.92	23.32	<=30	Pass
			13	22.42	0.92	23.34	<=30	Pass
			25	22.50	0.92	23.42	<=30	Pass
		50	0	22.43	0.92	23.35	<=30	Pass
	1732.5	1	0	23.39	0.92	24.31	<=30	Pass
			25	23.62	0.92	24.54	<=30	Pass
			49	23.42	0.92	24.34	<=30	Pass
		25	0	22.52	0.92	23.44	<=30	Pass
			13	22.49	0.92	23.41	<=30	Pass
			25	22.44	0.92	23.36	<=30	Pass
		50	0	22.45	0.92	23.37	<=30	Pass
	1750	1	0	23.51	0.92	24.43	<=30	Pass
			25	23.73	0.92	24.65	<=30	Pass
			49	23.65	0.92	24.57	<=30	Pass
		25	0	22.68	0.92	23.60	<=30	Pass
			13	22.65	0.92	23.57	<=30	Pass
			25	22.74	0.92	23.66	<=30	Pass
		50	0	22.69	0.92	23.61	<=30	Pass
16QAM	1715	1	0	22.40	0.92	23.32	<=30	Pass
			25	22.61	0.92	23.53	<=30	Pass
			49	22.36	0.92	23.28	<=30	Pass
		25	0	21.46	0.92	22.38	<=30	Pass
			13	21.49	0.92	22.41	<=30	Pass
			25	21.58	0.92	22.50	<=30	Pass
		50	0	21.46	0.92	22.38	<=30	Pass
	1732.5	1	0	22.60	0.92	23.52	<=30	Pass
			25	22.76	0.92	23.68	<=30	Pass
			49	22.61	0.92	23.53	<=30	Pass
		25	0	21.52	0.92	22.44	<=30	Pass
			13	21.49	0.92	22.41	<=30	Pass
			25	21.45	0.92	22.37	<=30	Pass
		50	0	21.48	0.92	22.40	<=30	Pass
	1750	1	0	23.08	0.92	24.00	<=30	Pass
			25	23.26	0.92	24.18	<=30	Pass
			49	23.21	0.92	24.13	<=30	Pass
		25	0	21.72	0.92	22.64	<=30	Pass
			13	21.69	0.92	22.61	<=30	Pass
			25	21.75	0.92	22.67	<=30	Pass
		50	0	21.68	0.92	22.60	<=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	23.29	0.92	24.21	<=30	Pass
			38	23.39	0.92	24.31	<=30	Pass
			74	23.29	0.92	24.21	<=30	Pass
		36	0	22.44	0.92	23.36	<=30	Pass
			18	22.52	0.92	23.44	<=30	Pass
			39	22.57	0.92	23.49	<=30	Pass
		75	0	22.51	0.92	23.43	<=30	Pass
	1732.5	1	0	23.29	0.92	24.21	<=30	Pass
			38	23.47	0.92	24.39	<=30	Pass
			74	23.35	0.92	24.27	<=30	Pass
		36	0	22.53	0.92	23.45	<=30	Pass
			18	22.62	0.92	23.54	<=30	Pass
			39	22.56	0.92	23.48	<=30	Pass
		75	0	22.55	0.92	23.47	<=30	Pass
	1747.5	1	0	23.38	0.92	24.30	<=30	Pass
			38	23.58	0.92	24.50	<=30	Pass
			74	23.56	0.92	24.48	<=30	Pass
		36	0	22.70	0.92	23.62	<=30	Pass
			18	22.71	0.92	23.63	<=30	Pass
			39	22.70	0.92	23.62	<=30	Pass
		75	0	22.70	0.92	23.62	<=30	Pass
16QAM	1717.5	1	0	22.64	0.92	23.56	<=30	Pass
			38	22.78	0.92	23.70	<=30	Pass
			74	22.63	0.92	23.55	<=30	Pass
		36	0	21.35	0.92	22.27	<=30	Pass
			18	21.44	0.92	22.36	<=30	Pass
			39	21.52	0.92	22.44	<=30	Pass
		75	0	21.43	0.92	22.35	<=30	Pass
	1732.5	1	0	22.49	0.92	23.41	<=30	Pass
			38	22.62	0.92	23.54	<=30	Pass
			74	22.55	0.92	23.47	<=30	Pass
		36	0	21.46	0.92	22.38	<=30	Pass
			18	21.50	0.92	22.42	<=30	Pass
			39	21.49	0.92	22.41	<=30	Pass
		75	0	21.48	0.92	22.40	<=30	Pass
	1747.5	1	0	22.92	0.92	23.84	<=30	Pass
			38	23.11	0.92	24.03	<=30	Pass
			74	23.11	0.92	24.03	<=30	Pass
		36	0	21.66	0.92	22.58	<=30	Pass
			18	21.69	0.92	22.61	<=30	Pass
			39	21.70	0.92	22.62	<=30	Pass
		75	0	21.68	0.92	22.60	<=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	23.06	0.92	23.98	<=30	Pass
			50	23.53	0.92	24.45	<=30	Pass
			99	23.12	0.92	24.04	<=30	Pass
		50	0	22.27	0.92	23.19	<=30	Pass
			25	22.44	0.92	23.36	<=30	Pass
			50	22.49	0.92	23.41	<=30	Pass
		100	0	22.39	0.92	23.31	<=30	Pass
	1732.5	1	0	23.12	0.92	24.04	<=30	Pass
			50	23.62	0.92	24.54	<=30	Pass
			99	23.26	0.92	24.18	<=30	Pass
		50	0	22.40	0.92	23.32	<=30	Pass
			25	22.47	0.92	23.39	<=30	Pass
			50	22.29	0.92	23.21	<=30	Pass
		100	0	22.34	0.92	23.26	<=30	Pass
	1745	1	0	23.13	0.92	24.05	<=30	Pass
			50	23.74	0.92	24.66	<=30	Pass
			99	23.42	0.92	24.34	<=30	Pass
		50	0	22.62	0.92	23.54	<=30	Pass
			25	22.62	0.92	23.54	<=30	Pass
			50	22.53	0.92	23.45	<=30	Pass
		100	0	22.62	0.92	23.54	<=30	Pass
16QAM	1720	1	0	22.64	0.92	23.56	<=30	Pass
			50	23.05	0.92	23.97	<=30	Pass
			99	22.65	0.92	23.57	<=30	Pass
		50	0	21.25	0.92	22.17	<=30	Pass
			25	21.41	0.92	22.33	<=30	Pass
			50	21.48	0.92	22.40	<=30	Pass
		100	0	21.37	0.92	22.29	<=30	Pass
	1732.5	1	0	22.32	0.92	23.24	<=30	Pass
			50	22.81	0.92	23.73	<=30	Pass
			99	22.49	0.92	23.41	<=30	Pass
		50	0	21.41	0.92	22.33	<=30	Pass
			25	21.45	0.92	22.37	<=30	Pass
			50	21.32	0.92	22.24	<=30	Pass
		100	0	21.37	0.92	22.29	<=30	Pass
	1745	1	0	22.41	0.92	23.33	<=30	Pass
			50	23.05	0.92	23.97	<=30	Pass
			99	22.72	0.92	23.64	<=30	Pass
		50	0	21.61	0.92	22.53	<=30	Pass
			25	21.62	0.92	22.54	<=30	Pass
			50	21.53	0.92	22.45	<=30	Pass
		100	0	21.62	0.92	22.54	<=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	3.31	2.890	0.0017	-2.5 to 2.5	Pass
					3.89	-0.887	-0.0005	-2.5 to 2.5	Pass
					4.47	-1.831	-0.0011	-2.5 to 2.5	Pass
				-30	3.89	-5.379	-0.0031	-2.5 to 2.5	Pass
				-20	3.89	-0.558	-0.0003	-2.5 to 2.5	Pass
				-10	3.89	-6.123	-0.0036	-2.5 to 2.5	Pass
				0	3.89	-3.490	-0.0020	-2.5 to 2.5	Pass
				10	3.89	-3.734	-0.0022	-2.5 to 2.5	Pass
				30	3.89	-5.264	-0.0031	-2.5 to 2.5	Pass
				40	3.89	-5.121	-0.0030	-2.5 to 2.5	Pass
				50	3.89	-6.309	-0.0037	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.31	-12.817	-0.0074	-2.5 to 2.5	Pass
					3.89	2.174	0.0013	-2.5 to 2.5	Pass
					4.47	6.309	0.0036	-2.5 to 2.5	Pass
				-30	3.89	-0.486	-0.0003	-2.5 to 2.5	Pass
				-20	3.89	-7.167	-0.0041	-2.5 to 2.5	Pass
				-10	3.89	-6.695	-0.0039	-2.5 to 2.5	Pass
				0	3.89	-3.762	-0.0022	-2.5 to 2.5	Pass
				10	3.89	0.029	0.0000	-2.5 to 2.5	Pass
				30	3.89	-3.662	-0.0021	-2.5 to 2.5	Pass
				40	3.89	-3.905	-0.0023	-2.5 to 2.5	Pass
				50	3.89	-1.903	-0.0011	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.31	-8.883	-0.0051	-2.5 to 2.5	Pass
					3.89	-10.414	-0.0059	-2.5 to 2.5	Pass
					4.47	-3.819	-0.0022	-2.5 to 2.5	Pass
				-30	3.89	-7.124	-0.0041	-2.5 to 2.5	Pass
				-20	3.89	-9.656	-0.0055	-2.5 to 2.5	Pass
				-10	3.89	-6.580	-0.0038	-2.5 to 2.5	Pass
				0	3.89	-7.811	-0.0045	-2.5 to 2.5	Pass
				10	3.89	-4.206	-0.0024	-2.5 to 2.5	Pass
				30	3.89	-7.496	-0.0043	-2.5 to 2.5	Pass
				40	3.89	-4.034	-0.0023	-2.5 to 2.5	Pass
				50	3.89	-3.977	-0.0023	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.31	-6.309	-0.0037	-2.5 to 2.5	Pass
					3.89	-7.653	-0.0045	-2.5 to 2.5	Pass
					4.47	-8.368	-0.0049	-2.5 to 2.5	Pass
				-30	3.89	0.286	0.0002	-2.5 to 2.5	Pass
				-20	3.89	-5.794	-0.0034	-2.5 to 2.5	Pass
				-10	3.89	-2.446	-0.0014	-2.5 to 2.5	Pass
				0	3.89	-6.051	-0.0035	-2.5 to 2.5	Pass
				10	3.89	-8.183	-0.0048	-2.5 to 2.5	Pass
				30	3.89	-3.877	-0.0023	-2.5 to 2.5	Pass
				40	3.89	-4.120	-0.0024	-2.5 to 2.5	Pass
				50	3.89	-6.995	-0.0041	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.31	-8.869	-0.0051	-2.5 to 2.5	Pass
					3.89	-2.246	-0.0013	-2.5 to 2.5	Pass
					4.47	-5.550	-0.0032	-2.5 to 2.5	Pass
				-30	3.89	-4.063	-0.0023	-2.5 to 2.5	Pass
				-20	3.89	-7.653	-0.0044	-2.5 to 2.5	Pass
				-10	3.89	-3.877	-0.0022	-2.5 to 2.5	Pass

				0	3.89	-9.613	-0.0055	-2.5 to 2.5	Pass
				10	3.89	-4.649	-0.0027	-2.5 to 2.5	Pass
				30	3.89	-6.466	-0.0037	-2.5 to 2.5	Pass
				40	3.89	-6.952	-0.0040	-2.5 to 2.5	Pass
				50	3.89	-9.441	-0.0054	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.31	-4.392	-0.0025	-2.5 to 2.5	Pass
					3.89	1.330	0.0008	-2.5 to 2.5	Pass
					4.47	-13.490	-0.0077	-2.5 to 2.5	Pass
				-30	3.89	0.472	0.0003	-2.5 to 2.5	Pass
				-20	3.89	-7.524	-0.0043	-2.5 to 2.5	Pass
				-10	3.89	-5.221	-0.0030	-2.5 to 2.5	Pass
				0	3.89	-4.835	-0.0028	-2.5 to 2.5	Pass
				10	3.89	-6.566	-0.0037	-2.5 to 2.5	Pass
				30	3.89	-5.722	-0.0033	-2.5 to 2.5	Pass
				40	3.89	-8.926	-0.0051	-2.5 to 2.5	Pass
				50	3.89	-4.663	-0.0027	-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	3.31	-2.103	-0.0012	-2.5 to 2.5	Pass
					3.89	-7.095	-0.0041	-2.5 to 2.5	Pass
					4.47	-1.473	-0.0009	-2.5 to 2.5	Pass
				-30	3.89	-5.879	-0.0034	-2.5 to 2.5	Pass
				-20	3.89	-6.437	-0.0038	-2.5 to 2.5	Pass
				-10	3.89	-5.636	-0.0033	-2.5 to 2.5	Pass
				0	3.89	-7.553	-0.0044	-2.5 to 2.5	Pass
				10	3.89	-4.063	-0.0024	-2.5 to 2.5	Pass
				30	3.89	-3.319	-0.0019	-2.5 to 2.5	Pass
				40	3.89	-5.364	-0.0031	-2.5 to 2.5	Pass
				50	3.89	-5.565	-0.0033	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.31	-2.890	-0.0017	-2.5 to 2.5	Pass
					3.89	-8.984	-0.0052	-2.5 to 2.5	Pass
					4.47	-0.644	-0.0004	-2.5 to 2.5	Pass
				-30	3.89	0.329	0.0002	-2.5 to 2.5	Pass
				-20	3.89	4.005	0.0023	-2.5 to 2.5	Pass
				-10	3.89	-5.493	-0.0032	-2.5 to 2.5	Pass
				0	3.89	-4.578	-0.0026	-2.5 to 2.5	Pass
				10	3.89	2.003	0.0012	-2.5 to 2.5	Pass
				30	3.89	1.516	0.0009	-2.5 to 2.5	Pass
				40	3.89	-4.449	-0.0026	-2.5 to 2.5	Pass
				50	3.89	-7.739	-0.0045	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.31	-11.830	-0.0067	-2.5 to 2.5	Pass
					3.89	-16.465	-0.0094	-2.5 to 2.5	Pass
					4.47	-9.027	-0.0051	-2.5 to 2.5	Pass
				-30	3.89	-7.467	-0.0043	-2.5 to 2.5	Pass
				-20	3.89	-8.969	-0.0051	-2.5 to 2.5	Pass
				-10	3.89	-6.709	-0.0038	-2.5 to 2.5	Pass
				0	3.89	-4.835	-0.0028	-2.5 to 2.5	Pass
				10	3.89	-5.322	-0.0030	-2.5 to 2.5	Pass
				30	3.89	-0.215	-0.0001	-2.5 to 2.5	Pass
				40	3.89	-3.090	-0.0018	-2.5 to 2.5	Pass
				50	3.89	-7.253	-0.0041	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.31	-2.975	-0.0017	-2.5 to 2.5	Pass
					3.89	1.731	0.0010	-2.5 to 2.5	Pass
					4.47	-6.452	-0.0038	-2.5 to 2.5	Pass

				-30	3.89	-8.011	-0.0047	-2.5 to 2.5	Pass
				-20	3.89	1.001	0.0006	-2.5 to 2.5	Pass
				-10	3.89	-6.380	-0.0037	-2.5 to 2.5	Pass
				0	3.89	-2.131	-0.0012	-2.5 to 2.5	Pass
				10	3.89	-3.662	-0.0021	-2.5 to 2.5	Pass
				30	3.89	-3.948	-0.0023	-2.5 to 2.5	Pass
				40	3.89	2.561	0.0015	-2.5 to 2.5	Pass
				50	3.89	-6.652	-0.0039	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.31	-7.825	-0.0045	-2.5 to 2.5	Pass
					3.89	0.958	0.0006	-2.5 to 2.5	Pass
					4.47	0.458	0.0003	-2.5 to 2.5	Pass
				-30	3.89	-4.349	-0.0025	-2.5 to 2.5	Pass
				-20	3.89	-2.174	-0.0013	-2.5 to 2.5	Pass
				-10	3.89	-8.297	-0.0048	-2.5 to 2.5	Pass
				0	3.89	-0.772	-0.0004	-2.5 to 2.5	Pass
				10	3.89	-3.333	-0.0019	-2.5 to 2.5	Pass
				30	3.89	-8.240	-0.0048	-2.5 to 2.5	Pass
				40	3.89	-0.243	-0.0001	-2.5 to 2.5	Pass
				50	3.89	-5.751	-0.0033	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.31	-6.208	-0.0035	-2.5 to 2.5	Pass
					3.89	-5.093	-0.0029	-2.5 to 2.5	Pass
					4.47	-3.433	-0.0020	-2.5 to 2.5	Pass
				-30	3.89	-6.709	-0.0038	-2.5 to 2.5	Pass
				-20	3.89	-2.775	-0.0016	-2.5 to 2.5	Pass
				-10	3.89	-3.233	-0.0018	-2.5 to 2.5	Pass
				0	3.89	0.300	0.0002	-2.5 to 2.5	Pass
				10	3.89	-8.998	-0.0051	-2.5 to 2.5	Pass
				30	3.89	-0.844	-0.0005	-2.5 to 2.5	Pass
				40	3.89	-8.039	-0.0046	-2.5 to 2.5	Pass
				50	3.89	-6.680	-0.0038	-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	3.31	-5.651	-0.0033	-2.5 to 2.5	Pass
					3.89	-3.190	-0.0019	-2.5 to 2.5	Pass
					4.47	-3.991	-0.0023	-2.5 to 2.5	Pass
				-30	3.89	-2.718	-0.0016	-2.5 to 2.5	Pass
				-20	3.89	-0.315	-0.0002	-2.5 to 2.5	Pass
				-10	3.89	-6.781	-0.0040	-2.5 to 2.5	Pass
				0	3.89	-4.306	-0.0025	-2.5 to 2.5	Pass
				10	3.89	-5.765	-0.0034	-2.5 to 2.5	Pass
				30	3.89	-2.990	-0.0017	-2.5 to 2.5	Pass
				40	3.89	-2.632	-0.0015	-2.5 to 2.5	Pass
				50	3.89	-3.777	-0.0022	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.31	-6.695	-0.0039	-2.5 to 2.5	Pass
					3.89	-5.364	-0.0031	-2.5 to 2.5	Pass
					4.47	-2.031	-0.0012	-2.5 to 2.5	Pass
				-30	3.89	-2.618	-0.0015	-2.5 to 2.5	Pass
				-20	3.89	-13.218	-0.0076	-2.5 to 2.5	Pass
				-10	3.89	-6.437	-0.0037	-2.5 to 2.5	Pass
				0	3.89	-5.322	-0.0031	-2.5 to 2.5	Pass
				10	3.89	-6.466	-0.0037	-2.5 to 2.5	Pass
				30	3.89	-0.143	-0.0001	-2.5 to 2.5	Pass
				40	3.89	-5.221	-0.0030	-2.5 to 2.5	Pass
				50	3.89	-8.669	-0.0050	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.31	-12.159	-0.0069	-2.5 to 2.5	Pass
					3.89	-7.968	-0.0045	-2.5 to 2.5	Pass
					4.47	-5.536	-0.0032	-2.5 to 2.5	Pass
				-30	3.89	0.129	0.0001	-2.5 to 2.5	Pass
				-20	3.89	-7.482	-0.0043	-2.5 to 2.5	Pass
				-10	3.89	-5.336	-0.0030	-2.5 to 2.5	Pass
				0	3.89	-4.592	-0.0026	-2.5 to 2.5	Pass
				10	3.89	-7.024	-0.0040	-2.5 to 2.5	Pass
				30	3.89	-10.171	-0.0058	-2.5 to 2.5	Pass
				40	3.89	-10.171	-0.0058	-2.5 to 2.5	Pass
				50	3.89	-3.662	-0.0021	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.31	-2.017	-0.0012	-2.5 to 2.5	Pass
					3.89	-7.439	-0.0043	-2.5 to 2.5	Pass
					4.47	-1.001	-0.0006	-2.5 to 2.5	Pass
				-30	3.89	-2.103	-0.0012	-2.5 to 2.5	Pass
				-20	3.89	-0.587	-0.0003	-2.5 to 2.5	Pass
				-10	3.89	-0.572	-0.0003	-2.5 to 2.5	Pass
				0	3.89	-5.579	-0.0033	-2.5 to 2.5	Pass
				10	3.89	-5.722	-0.0033	-2.5 to 2.5	Pass
				30	3.89	-0.587	-0.0003	-2.5 to 2.5	Pass
				40	3.89	-9.456	-0.0055	-2.5 to 2.5	Pass
				50	3.89	-2.503	-0.0015	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.31	-6.895	-0.0040	-2.5 to 2.5	Pass
					3.89	-4.148	-0.0024	-2.5 to 2.5	Pass
					4.47	-3.448	-0.0020	-2.5 to 2.5	Pass
				-30	3.89	-6.623	-0.0038	-2.5 to 2.5	Pass
				-20	3.89	-3.390	-0.0020	-2.5 to 2.5	Pass
				-10	3.89	-4.749	-0.0027	-2.5 to 2.5	Pass
				0	3.89	-1.445	-0.0008	-2.5 to 2.5	Pass
				10	3.89	-2.589	-0.0015	-2.5 to 2.5	Pass
				30	3.89	2.117	0.0012	-2.5 to 2.5	Pass
				40	3.89	-7.253	-0.0042	-2.5 to 2.5	Pass
				50	3.89	-6.623	-0.0038	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.31	-2.332	-0.0013	-2.5 to 2.5	Pass
					3.89	-2.747	-0.0016	-2.5 to 2.5	Pass
					4.47	-10.929	-0.0062	-2.5 to 2.5	Pass
				-30	3.89	-9.828	-0.0056	-2.5 to 2.5	Pass
				-20	3.89	-8.211	-0.0047	-2.5 to 2.5	Pass
				-10	3.89	-9.756	-0.0056	-2.5 to 2.5	Pass
				0	3.89	-4.892	-0.0028	-2.5 to 2.5	Pass
				10	3.89	1.659	0.0009	-2.5 to 2.5	Pass
				30	3.89	-11.058	-0.0063	-2.5 to 2.5	Pass
				40	3.89	-8.683	-0.0050	-2.5 to 2.5	Pass
				50	3.89	-8.683	-0.0050	-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	3.31	-9.685	-0.0056	-2.5 to 2.5	Pass
					3.89	-3.662	-0.0021	-2.5 to 2.5	Pass
					4.47	-10.085	-0.0059	-2.5 to 2.5	Pass
				-30	3.89	-10.586	-0.0062	-2.5 to 2.5	Pass
				-20	3.89	-9.384	-0.0055	-2.5 to 2.5	Pass
				-10	3.89	-7.439	-0.0043	-2.5 to 2.5	Pass
				0	3.89	-5.207	-0.0030	-2.5 to 2.5	Pass
				10	3.89	-5.064	-0.0030	-2.5 to 2.5	Pass

				30	3.89	-7.038	-0.0041	-2.5 to 2.5	Pass
				40	3.89	-5.522	-0.0032	-2.5 to 2.5	Pass
				50	3.89	-8.583	-0.0050	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.31	-10.285	-0.0059	-2.5 to 2.5	Pass
					3.89	-3.920	-0.0023	-2.5 to 2.5	Pass
					4.47	-2.890	-0.0017	-2.5 to 2.5	Pass
				-30	3.89	-6.938	-0.0040	-2.5 to 2.5	Pass
				-20	3.89	-2.360	-0.0014	-2.5 to 2.5	Pass
				-10	3.89	-0.315	-0.0002	-2.5 to 2.5	Pass
				0	3.89	-2.689	-0.0016	-2.5 to 2.5	Pass
				10	3.89	-7.367	-0.0043	-2.5 to 2.5	Pass
				30	3.89	-2.074	-0.0012	-2.5 to 2.5	Pass
				40	3.89	-8.469	-0.0049	-2.5 to 2.5	Pass
				50	3.89	-6.723	-0.0039	-2.5 to 2.5	Pass
	1750	50	0	20	3.31	-13.647	-0.0078	-2.5 to 2.5	Pass
					3.89	-6.995	-0.0040	-2.5 to 2.5	Pass
					4.47	-7.710	-0.0044	-2.5 to 2.5	Pass
				-30	3.89	-5.350	-0.0031	-2.5 to 2.5	Pass
				-20	3.89	-8.612	-0.0049	-2.5 to 2.5	Pass
				-10	3.89	-6.909	-0.0039	-2.5 to 2.5	Pass
				0	3.89	-11.415	-0.0065	-2.5 to 2.5	Pass
				10	3.89	-8.669	-0.0050	-2.5 to 2.5	Pass
				30	3.89	-7.210	-0.0041	-2.5 to 2.5	Pass
				40	3.89	-4.435	-0.0025	-2.5 to 2.5	Pass
				50	3.89	-3.862	-0.0022	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.31	-10.242	-0.0060	-2.5 to 2.5	Pass
					3.89	-6.495	-0.0038	-2.5 to 2.5	Pass
					4.47	-6.838	-0.0040	-2.5 to 2.5	Pass
				-30	3.89	-11.230	-0.0065	-2.5 to 2.5	Pass
				-20	3.89	-8.798	-0.0051	-2.5 to 2.5	Pass
				-10	3.89	-8.655	-0.0050	-2.5 to 2.5	Pass
				0	3.89	-7.439	-0.0043	-2.5 to 2.5	Pass
				10	3.89	-13.318	-0.0078	-2.5 to 2.5	Pass
				30	3.89	-10.557	-0.0062	-2.5 to 2.5	Pass
				40	3.89	-12.403	-0.0072	-2.5 to 2.5	Pass
				50	3.89	-4.749	-0.0028	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.31	-3.405	-0.0020	-2.5 to 2.5	Pass
					3.89	-2.289	-0.0013	-2.5 to 2.5	Pass
					4.47	-2.117	-0.0012	-2.5 to 2.5	Pass
				-30	3.89	-4.764	-0.0027	-2.5 to 2.5	Pass
				-20	3.89	-0.272	-0.0002	-2.5 to 2.5	Pass
				-10	3.89	-6.094	-0.0035	-2.5 to 2.5	Pass
				0	3.89	-4.320	-0.0025	-2.5 to 2.5	Pass
				10	3.89	-4.377	-0.0025	-2.5 to 2.5	Pass
				30	3.89	-5.136	-0.0030	-2.5 to 2.5	Pass
				40	3.89	-7.410	-0.0043	-2.5 to 2.5	Pass
				50	3.89	-6.595	-0.0038	-2.5 to 2.5	Pass
	1750	50	0	20	3.31	-6.022	-0.0034	-2.5 to 2.5	Pass
					3.89	-4.964	-0.0028	-2.5 to 2.5	Pass
					4.47	-5.536	-0.0032	-2.5 to 2.5	Pass
				-30	3.89	-3.448	-0.0020	-2.5 to 2.5	Pass
				-20	3.89	-8.554	-0.0049	-2.5 to 2.5	Pass
				-10	3.89	-7.696	-0.0044	-2.5 to 2.5	Pass
				0	3.89	-4.377	-0.0025	-2.5 to 2.5	Pass
				10	3.89	-3.419	-0.0020	-2.5 to 2.5	Pass
				30	3.89	-5.922	-0.0034	-2.5 to 2.5	Pass
				40	3.89	-8.168	-0.0047	-2.5 to 2.5	Pass
				50	3.89	-3.963	-0.0023	-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	3.31	-6.795	-0.0040	-2.5 to 2.5	Pass
					3.89	-7.482	-0.0044	-2.5 to 2.5	Pass
					4.47	-5.579	-0.0032	-2.5 to 2.5	Pass
				-30	3.89	-8.411	-0.0049	-2.5 to 2.5	Pass
				-20	3.89	-1.359	-0.0008	-2.5 to 2.5	Pass
				-10	3.89	-5.364	-0.0031	-2.5 to 2.5	Pass
				0	3.89	-7.095	-0.0041	-2.5 to 2.5	Pass
				10	3.89	-7.696	-0.0045	-2.5 to 2.5	Pass
				30	3.89	-10.386	-0.0060	-2.5 to 2.5	Pass
				40	3.89	-9.427	-0.0055	-2.5 to 2.5	Pass
				50	3.89	-3.977	-0.0023	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.31	-6.866	-0.0040	-2.5 to 2.5	Pass
					3.89	-3.490	-0.0020	-2.5 to 2.5	Pass
					4.47	-6.166	-0.0036	-2.5 to 2.5	Pass
				-30	3.89	-5.937	-0.0034	-2.5 to 2.5	Pass
				-20	3.89	-5.722	-0.0033	-2.5 to 2.5	Pass
				-10	3.89	-4.077	-0.0024	-2.5 to 2.5	Pass
				0	3.89	-5.035	-0.0029	-2.5 to 2.5	Pass
				10	3.89	-2.861	-0.0017	-2.5 to 2.5	Pass
				30	3.89	-6.609	-0.0038	-2.5 to 2.5	Pass
				40	3.89	-0.114	-0.0001	-2.5 to 2.5	Pass
				50	3.89	0.057	0.0000	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.31	-10.157	-0.0058	-2.5 to 2.5	Pass
					3.89	-4.148	-0.0024	-2.5 to 2.5	Pass
					4.47	-5.479	-0.0031	-2.5 to 2.5	Pass
				-30	3.89	-8.926	-0.0051	-2.5 to 2.5	Pass
				-20	3.89	-6.866	-0.0039	-2.5 to 2.5	Pass
				-10	3.89	-3.562	-0.0020	-2.5 to 2.5	Pass
				0	3.89	-5.450	-0.0031	-2.5 to 2.5	Pass
				10	3.89	-10.185	-0.0058	-2.5 to 2.5	Pass
				30	3.89	-6.037	-0.0035	-2.5 to 2.5	Pass
				40	3.89	-4.592	-0.0026	-2.5 to 2.5	Pass
				50	3.89	-2.632	-0.0015	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.31	-7.639	-0.0044	-2.5 to 2.5	Pass
					3.89	-7.968	-0.0046	-2.5 to 2.5	Pass
					4.47	-9.098	-0.0053	-2.5 to 2.5	Pass
				-30	3.89	-9.184	-0.0053	-2.5 to 2.5	Pass
				-20	3.89	-8.612	-0.0050	-2.5 to 2.5	Pass
				-10	3.89	-7.968	-0.0046	-2.5 to 2.5	Pass
				0	3.89	-11.144	-0.0065	-2.5 to 2.5	Pass
				10	3.89	-6.495	-0.0038	-2.5 to 2.5	Pass
				30	3.89	-7.968	-0.0046	-2.5 to 2.5	Pass
				40	3.89	-2.432	-0.0014	-2.5 to 2.5	Pass
				50	3.89	-7.181	-0.0042	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.31	-5.436	-0.0031	-2.5 to 2.5	Pass
					3.89	-2.990	-0.0017	-2.5 to 2.5	Pass
					4.47	-3.991	-0.0023	-2.5 to 2.5	Pass
				-30	3.89	-5.937	-0.0034	-2.5 to 2.5	Pass
				-20	3.89	-3.347	-0.0019	-2.5 to 2.5	Pass
				-10	3.89	-3.219	-0.0019	-2.5 to 2.5	Pass
				0	3.89	-5.436	-0.0031	-2.5 to 2.5	Pass
				10	3.89	-8.769	-0.0051	-2.5 to 2.5	Pass
				30	3.89	-7.596	-0.0044	-2.5 to 2.5	Pass
				40	3.89	-2.332	-0.0013	-2.5 to 2.5	Pass
				50	3.89	-6.695	-0.0039	-2.5 to 2.5	Pass

	1747.5	75	0	20	3.31	-3.233	-0.0019	-2.5 to 2.5	Pass
					3.89	-1.116	-0.0006	-2.5 to 2.5	Pass
					4.47	-4.907	-0.0028	-2.5 to 2.5	Pass
				-30	3.89	-4.935	-0.0028	-2.5 to 2.5	Pass
				-20	3.89	-2.890	-0.0017	-2.5 to 2.5	Pass
				-10	3.89	-8.368	-0.0048	-2.5 to 2.5	Pass
				0	3.89	-0.272	-0.0002	-2.5 to 2.5	Pass
				10	3.89	-4.792	-0.0027	-2.5 to 2.5	Pass
				30	3.89	-6.752	-0.0039	-2.5 to 2.5	Pass
				40	3.89	-1.688	-0.0010	-2.5 to 2.5	Pass
				50	3.89	-2.174	-0.0012	-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	3.31	-7.825	-0.0045	-2.5 to 2.5	Pass
					3.89	-5.951	-0.0035	-2.5 to 2.5	Pass
					4.47	-7.367	-0.0043	-2.5 to 2.5	Pass
				-30	3.89	-4.420	-0.0026	-2.5 to 2.5	Pass
				-20	3.89	-4.091	-0.0024	-2.5 to 2.5	Pass
				-10	3.89	-5.651	-0.0033	-2.5 to 2.5	Pass
				0	3.89	-6.781	-0.0039	-2.5 to 2.5	Pass
				10	3.89	-2.761	-0.0016	-2.5 to 2.5	Pass
				30	3.89	-2.060	-0.0012	-2.5 to 2.5	Pass
				40	3.89	-2.847	-0.0017	-2.5 to 2.5	Pass
				50	3.89	-4.249	-0.0025	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.31	-6.766	-0.0039	-2.5 to 2.5	Pass
					3.89	-5.622	-0.0032	-2.5 to 2.5	Pass
					4.47	-3.934	-0.0023	-2.5 to 2.5	Pass
				-30	3.89	-6.266	-0.0036	-2.5 to 2.5	Pass
				-20	3.89	-5.450	-0.0031	-2.5 to 2.5	Pass
				-10	3.89	0.257	0.0001	-2.5 to 2.5	Pass
				0	3.89	-5.579	-0.0032	-2.5 to 2.5	Pass
				10	3.89	-3.119	-0.0018	-2.5 to 2.5	Pass
				30	3.89	0.129	0.0001	-2.5 to 2.5	Pass
				40	3.89	-3.777	-0.0022	-2.5 to 2.5	Pass
				50	3.89	-4.349	-0.0025	-2.5 to 2.5	Pass
	1745	100	0	20	3.31	-5.436	-0.0031	-2.5 to 2.5	Pass
					3.89	-3.519	-0.0020	-2.5 to 2.5	Pass
					4.47	-5.522	-0.0032	-2.5 to 2.5	Pass
				-30	3.89	-11.616	-0.0067	-2.5 to 2.5	Pass
				-20	3.89	-1.588	-0.0009	-2.5 to 2.5	Pass
				-10	3.89	-2.904	-0.0017	-2.5 to 2.5	Pass
				0	3.89	-4.220	-0.0024	-2.5 to 2.5	Pass
				10	3.89	-5.579	-0.0032	-2.5 to 2.5	Pass
				30	3.89	-7.553	-0.0043	-2.5 to 2.5	Pass
				40	3.89	-2.875	-0.0016	-2.5 to 2.5	Pass
				50	3.89	-3.505	-0.0020	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.31	-6.108	-0.0036	-2.5 to 2.5	Pass
					3.89	-2.475	-0.0014	-2.5 to 2.5	Pass
					4.47	-4.478	-0.0026	-2.5 to 2.5	Pass
				-30	3.89	-5.665	-0.0033	-2.5 to 2.5	Pass
				-20	3.89	-5.836	-0.0034	-2.5 to 2.5	Pass
				-10	3.89	-3.762	-0.0022	-2.5 to 2.5	Pass
				0	3.89	-4.592	-0.0027	-2.5 to 2.5	Pass
				10	3.89	-4.020	-0.0023	-2.5 to 2.5	Pass

				30	3.89	-4.749	-0.0028	-2.5 to 2.5	Pass
				40	3.89	-5.264	-0.0031	-2.5 to 2.5	Pass
				50	3.89	-2.704	-0.0016	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.31	-2.346	-0.0014	-2.5 to 2.5	Pass
					3.89	-3.662	-0.0021	-2.5 to 2.5	Pass
					4.47	-4.420	-0.0026	-2.5 to 2.5	Pass
				-30	3.89	-4.048	-0.0023	-2.5 to 2.5	Pass
				-20	3.89	-2.146	-0.0012	-2.5 to 2.5	Pass
				-10	3.89	-2.732	-0.0016	-2.5 to 2.5	Pass
				0	3.89	-0.730	-0.0004	-2.5 to 2.5	Pass
				10	3.89	-6.480	-0.0037	-2.5 to 2.5	Pass
				30	3.89	-5.007	-0.0029	-2.5 to 2.5	Pass
				40	3.89	-5.221	-0.0030	-2.5 to 2.5	Pass
				50	3.89	-4.578	-0.0026	-2.5 to 2.5	Pass
	1745	100	0	20	3.31	-4.749	-0.0027	-2.5 to 2.5	Pass
					3.89	-3.204	-0.0018	-2.5 to 2.5	Pass
					4.47	-1.273	-0.0007	-2.5 to 2.5	Pass
				-30	3.89	-3.376	-0.0019	-2.5 to 2.5	Pass
				-20	3.89	-1.988	-0.0011	-2.5 to 2.5	Pass
				-10	3.89	-2.203	-0.0013	-2.5 to 2.5	Pass
				0	3.89	-2.189	-0.0013	-2.5 to 2.5	Pass
				10	3.89	-2.217	-0.0013	-2.5 to 2.5	Pass
				30	3.89	-2.046	-0.0012	-2.5 to 2.5	Pass
				40	3.89	-1.431	-0.0008	-2.5 to 2.5	Pass
				50	3.89	-3.963	-0.0023	-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

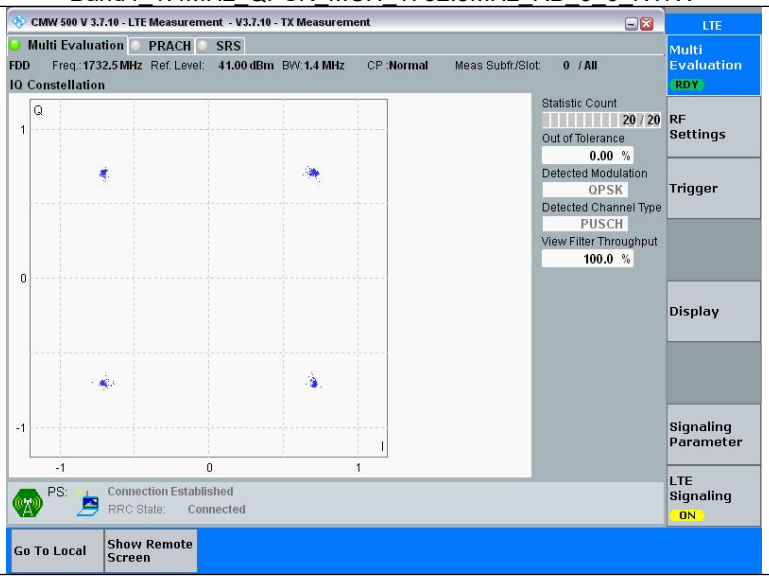
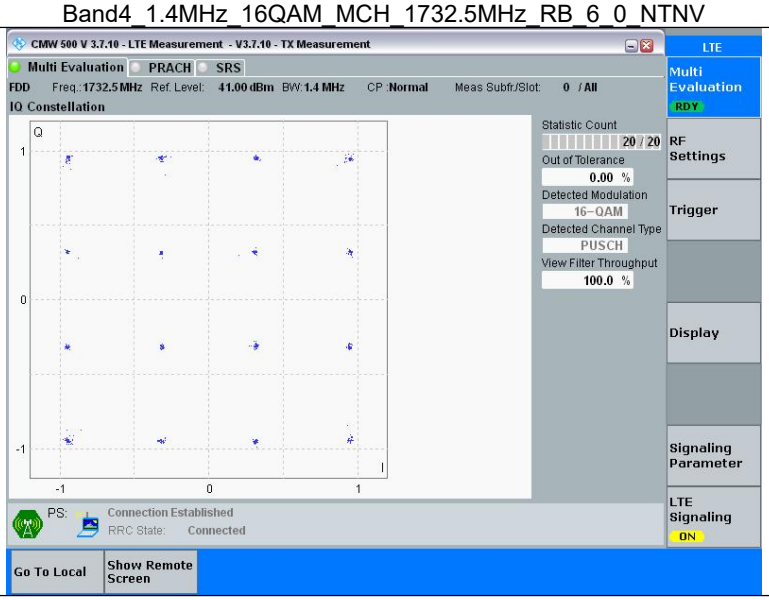
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

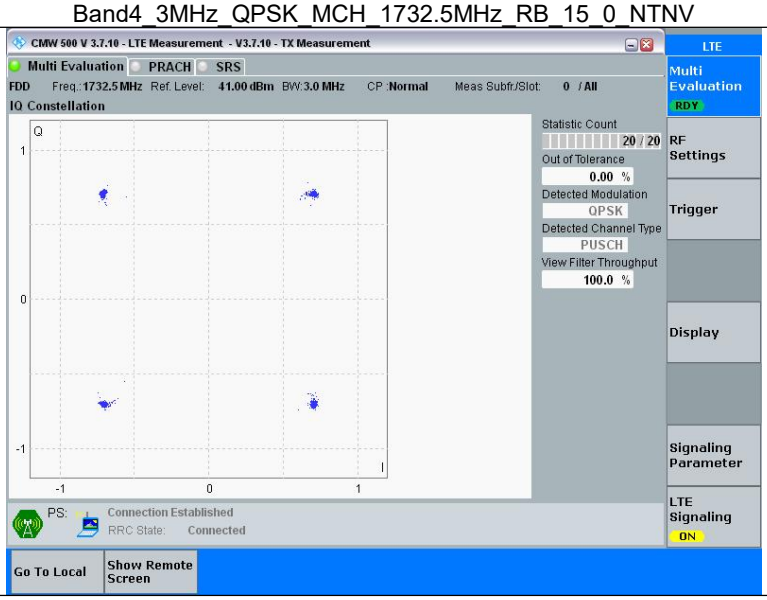
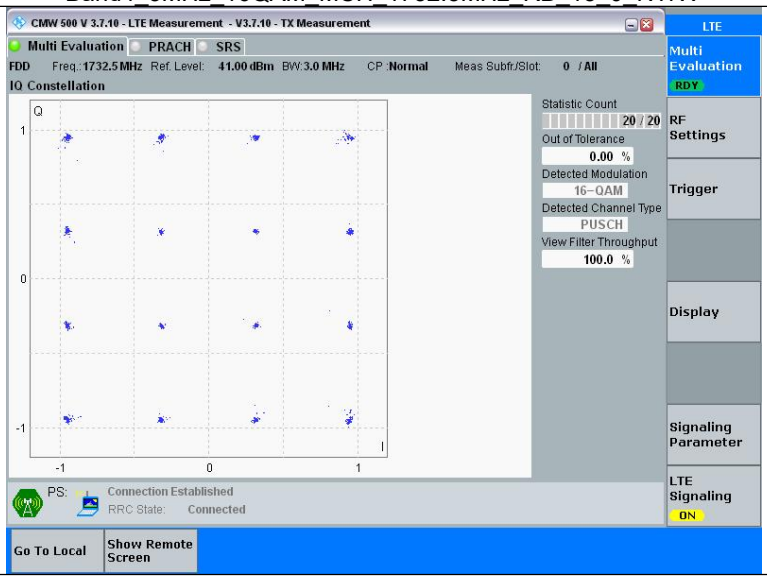
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

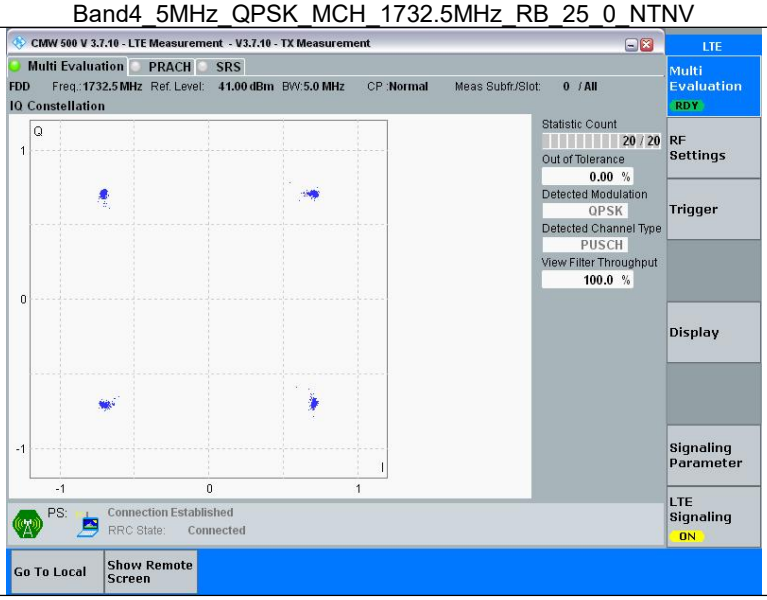
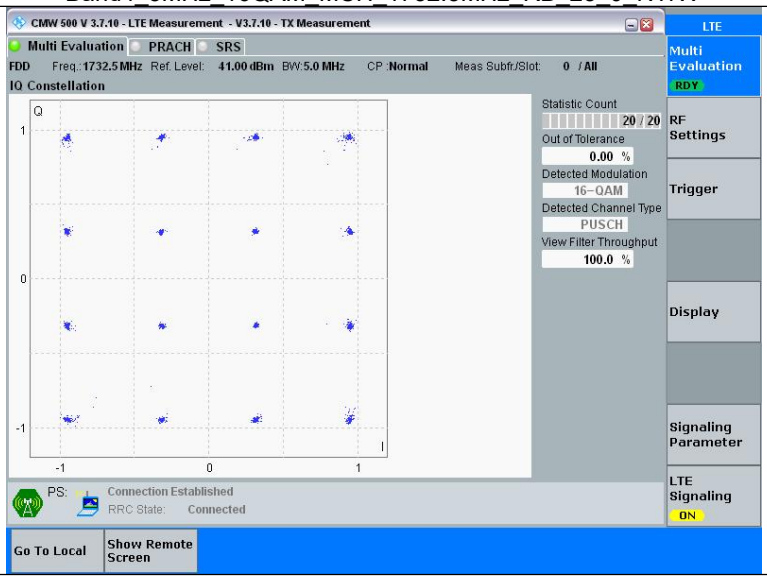
3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV


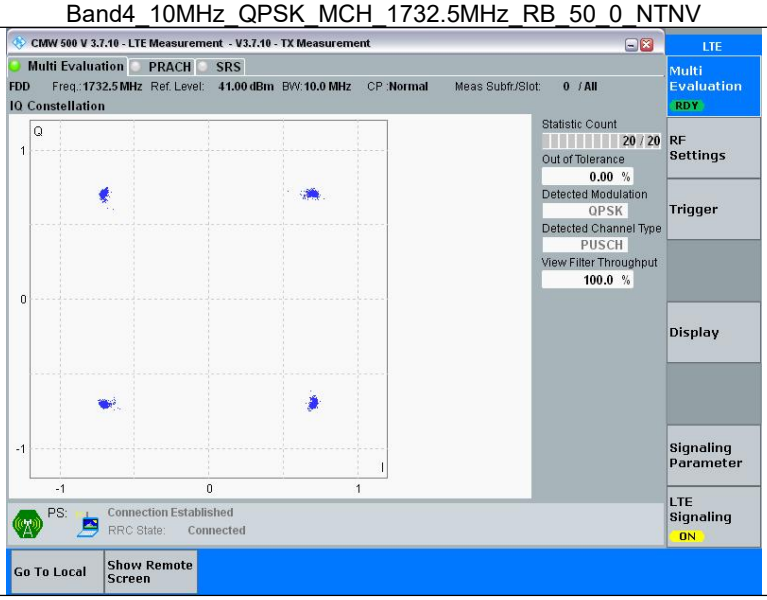
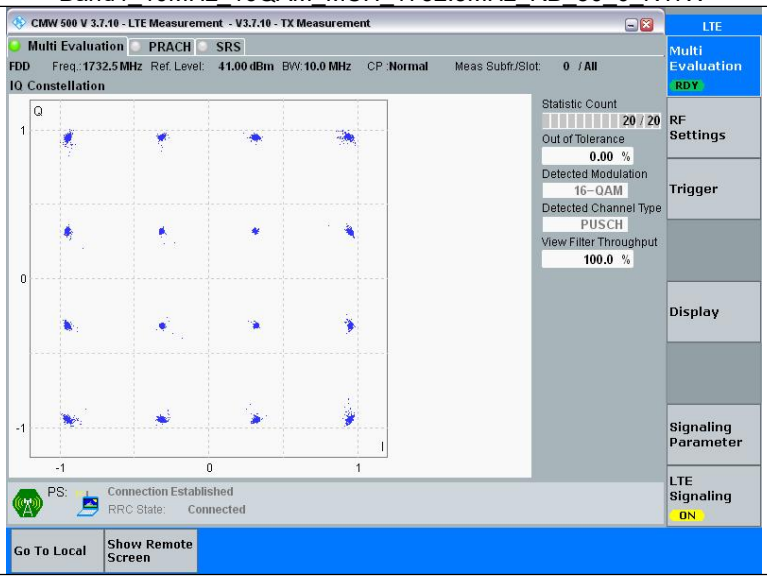
3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


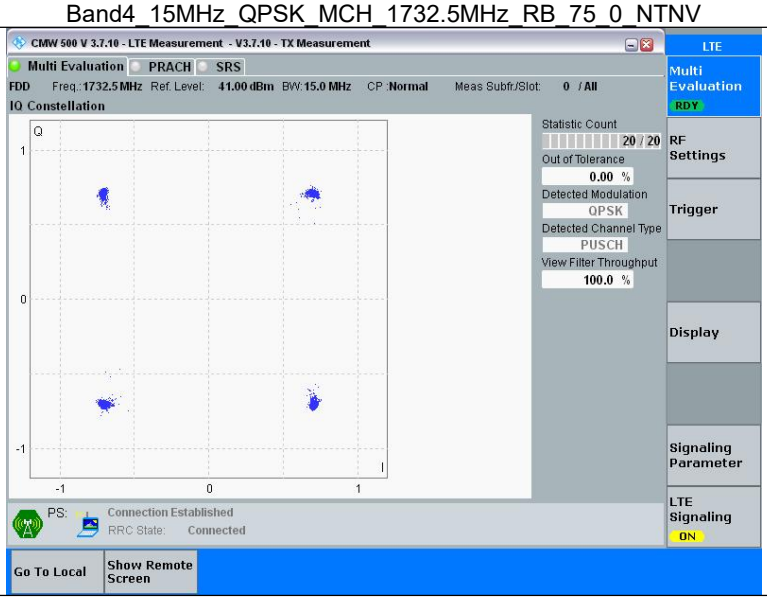
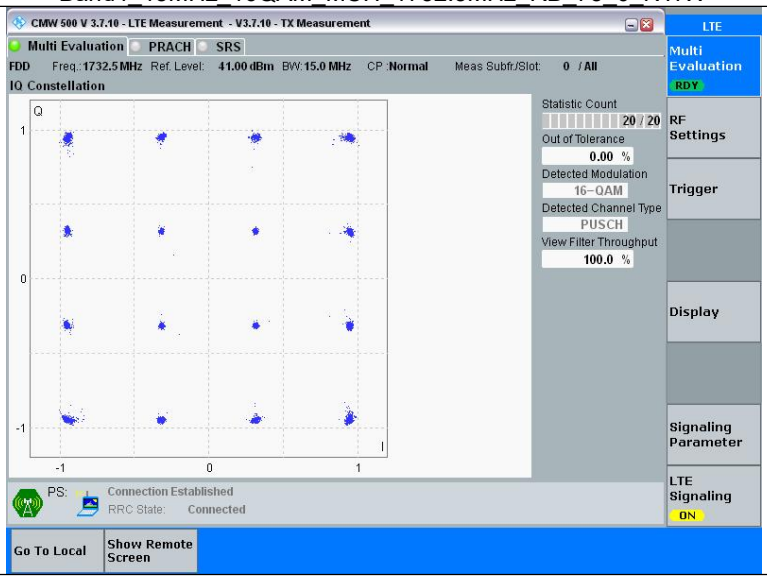
3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


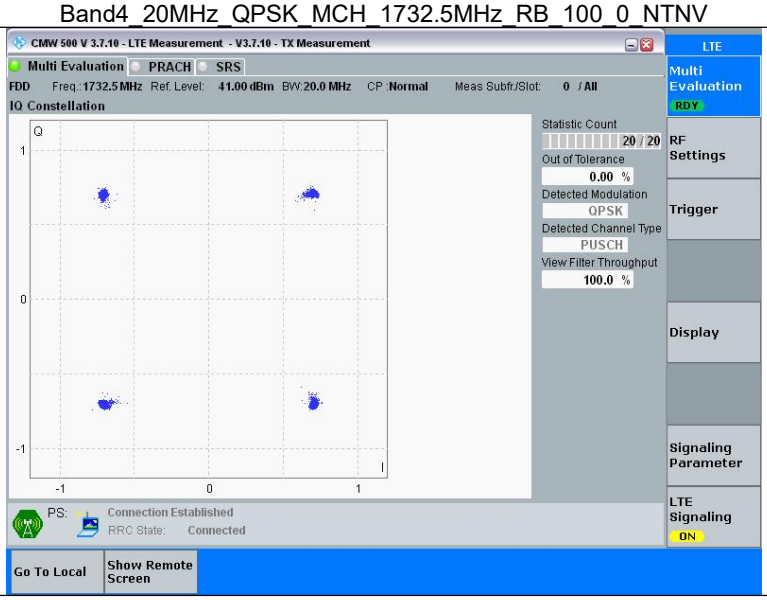
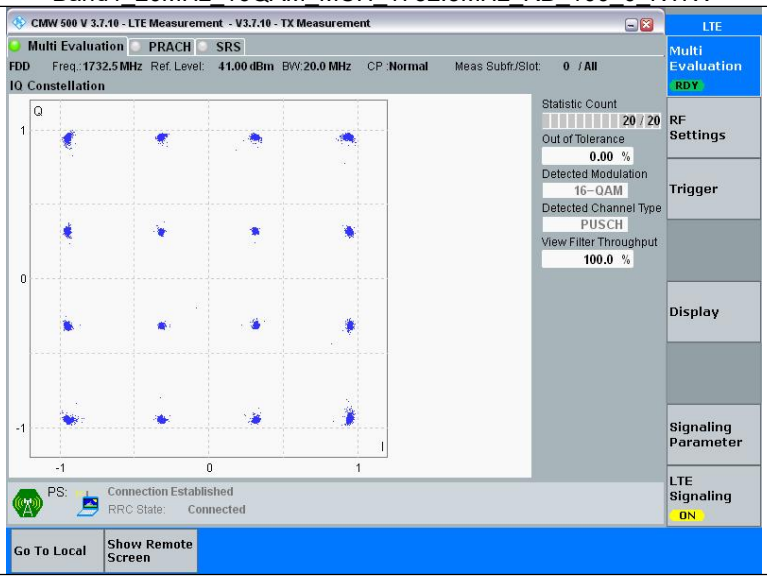
3.2.4 B4_10MHz

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	1.103	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.107	/	Pass
	16QAM	1710.7	6	0	1.109	/	Pass
		1732.5	6	0	1.100	/	Pass
		1754.3	6	0	1.114	/	Pass
3	QPSK	1711.5	15	0	2.726	/	Pass
		1732.5	15	0	2.725	/	Pass
		1753.5	15	0	2.727	/	Pass
	16QAM	1711.5	15	0	2.713	/	Pass
		1732.5	15	0	2.723	/	Pass
		1753.5	15	0	2.717	/	Pass
5	QPSK	1712.5	25	0	4.533	/	Pass
		1732.5	25	0	4.533	/	Pass
		1752.5	25	0	4.560	/	Pass
	16QAM	1712.5	25	0	4.538	/	Pass
		1732.5	25	0	4.550	/	Pass
		1752.5	25	0	4.532	/	Pass
10	QPSK	1715	50	0	9.064	/	Pass
		1732.5	50	0	9.044	/	Pass
		1750	50	0	9.083	/	Pass
	16QAM	1715	50	0	9.062	/	Pass
		1732.5	50	0	9.049	/	Pass
		1750	50	0	9.078	/	Pass
15	QPSK	1717.5	75	0	13.593	/	Pass
		1732.5	75	0	13.554	/	Pass
		1747.5	75	0	13.599	/	Pass
	16QAM	1717.5	75	0	13.603	/	Pass
		1732.5	75	0	13.597	/	Pass
		1747.5	75	0	13.606	/	Pass
20	QPSK	1720	100	0	18.090	/	Pass
		1732.5	100	0	18.123	/	Pass
		1745	100	0	18.109	/	Pass
	16QAM	1720	100	0	18.101	/	Pass
		1732.5	100	0	18.037	/	Pass
		1745	100	0	18.108	/	Pass

4.1.2 Band4_XDB

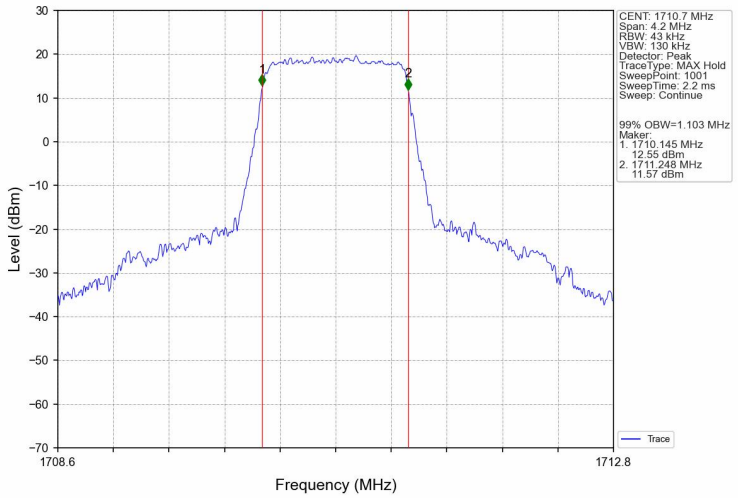
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.310	/	Pass
		1732.5	6	0	1.325	/	Pass
		1754.3	6	0	1.327	/	Pass
	16QAM	1710.7	6	0	1.329	/	Pass
		1732.5	6	0	1.300	/	Pass
		1754.3	6	0	1.333	/	Pass
3	QPSK	1711.5	15	0	2.993	/	Pass

		1732.5	15	0	2.997	/	Pass
		1753.5	15	0	2.984	/	Pass
	16QAM	1711.5	15	0	2.987	/	Pass
		1732.5	15	0	2.986	/	Pass
		1753.5	15	0	2.992	/	Pass
5	QPSK	1712.5	25	0	4.997	/	Pass
		1732.5	25	0	5.029	/	Pass
		1752.5	25	0	4.980	/	Pass
	16QAM	1712.5	25	0	5.055	/	Pass
		1732.5	25	0	5.000	/	Pass
		1752.5	25	0	4.953	/	Pass
10	QPSK	1715	50	0	9.925	/	Pass
		1732.5	50	0	9.879	/	Pass
		1750	50	0	9.997	/	Pass
	16QAM	1715	50	0	9.922	/	Pass
		1732.5	50	0	9.923	/	Pass
		1750	50	0	9.950	/	Pass
15	QPSK	1717.5	75	0	14.904	/	Pass
		1732.5	75	0	14.865	/	Pass
		1747.5	75	0	14.899	/	Pass
	16QAM	1717.5	75	0	14.780	/	Pass
		1732.5	75	0	14.824	/	Pass
		1747.5	75	0	14.888	/	Pass
20	QPSK	1720	100	0	19.821	/	Pass
		1732.5	100	0	19.702	/	Pass
		1745	100	0	19.669	/	Pass
	16QAM	1720	100	0	19.716	/	Pass
		1732.5	100	0	19.569	/	Pass
		1745	100	0	19.642	/	Pass

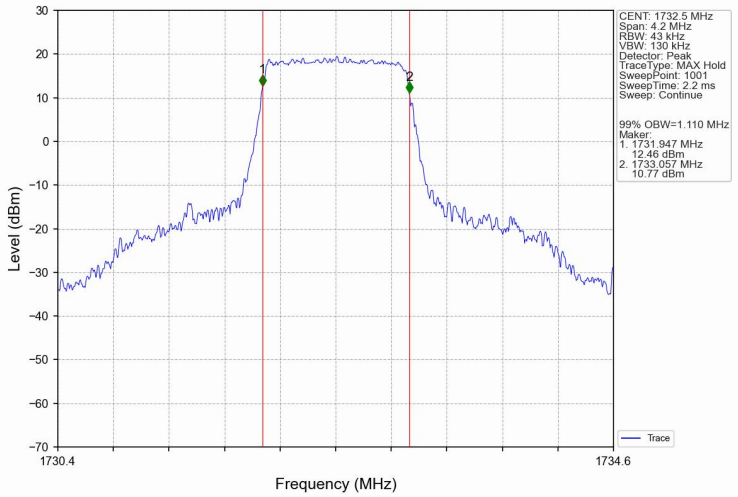
4.2 Test Graph

4.2.1 Band4_OBW

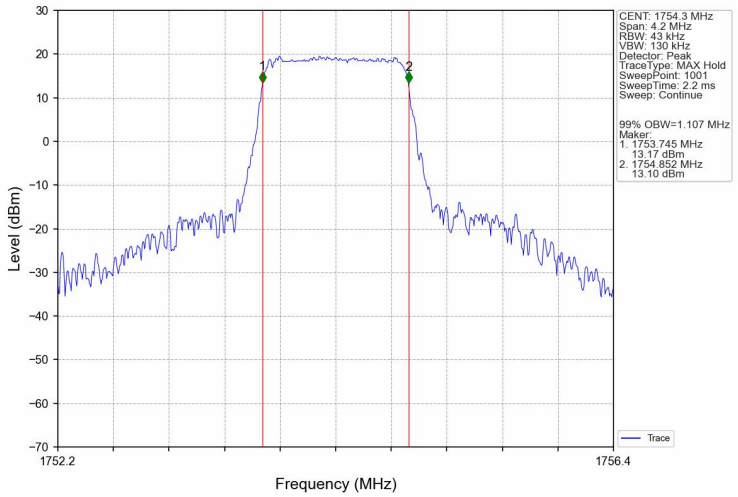
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



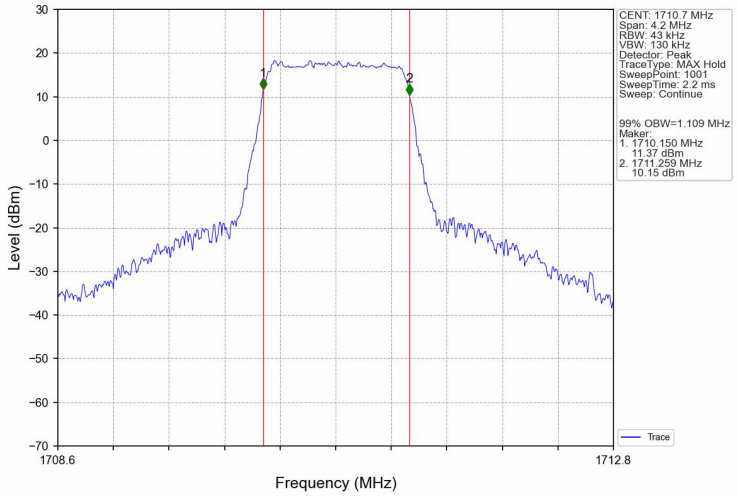
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



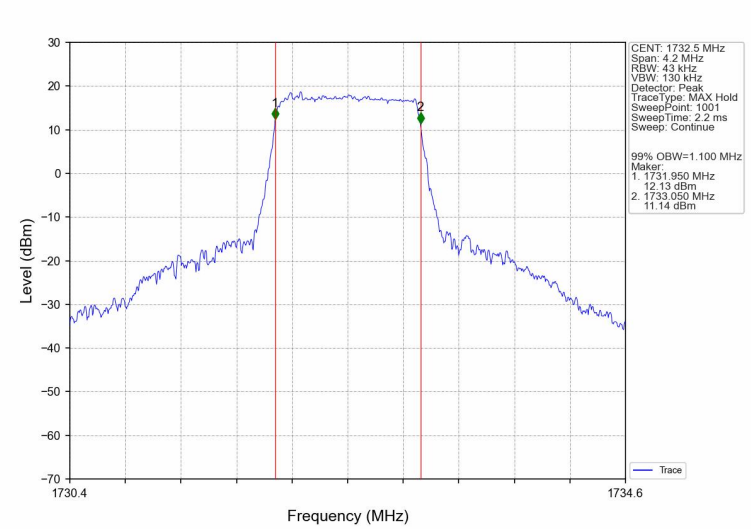
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



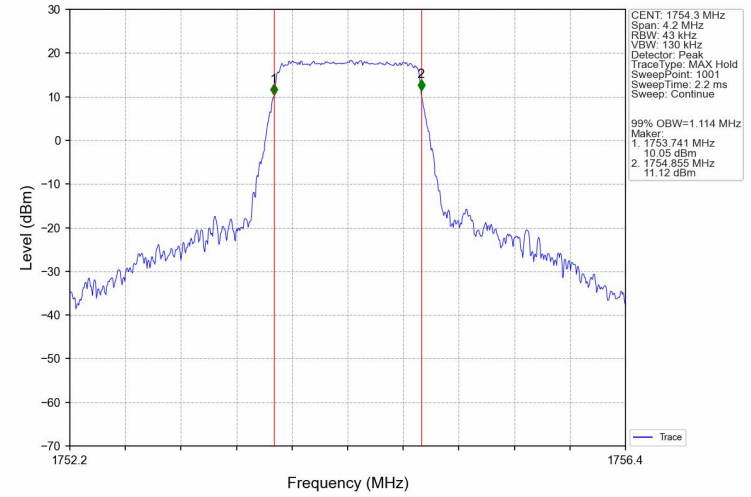
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



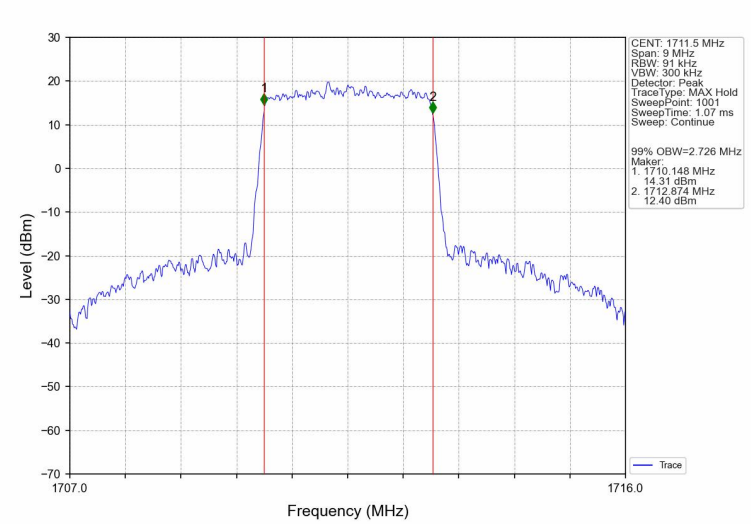
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



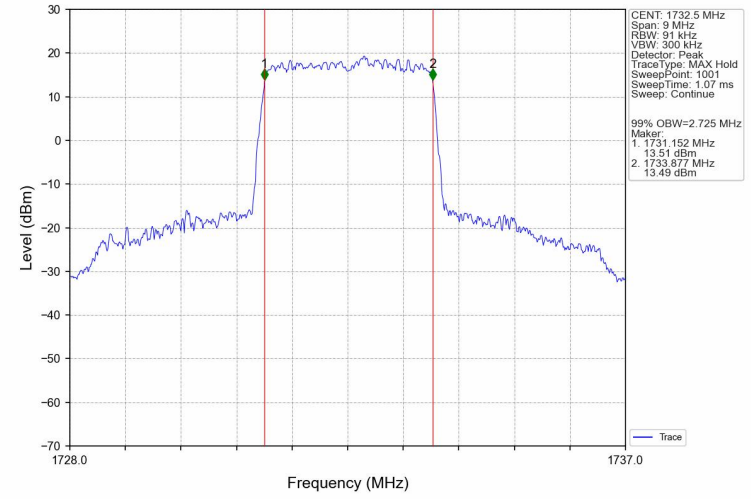
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



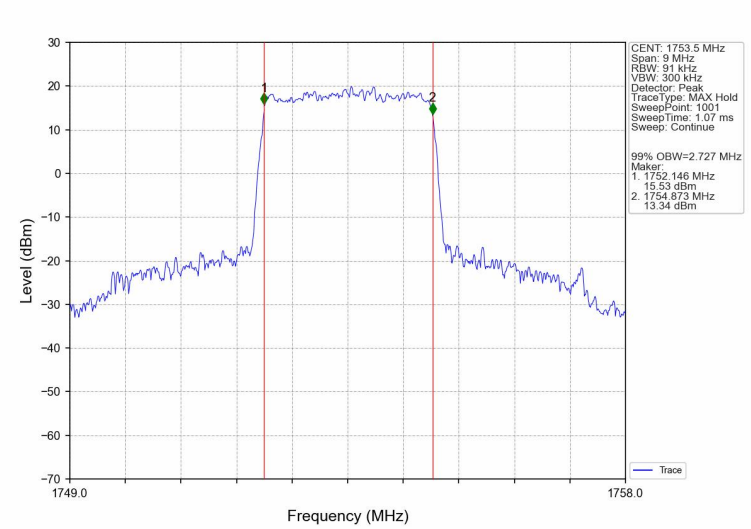
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



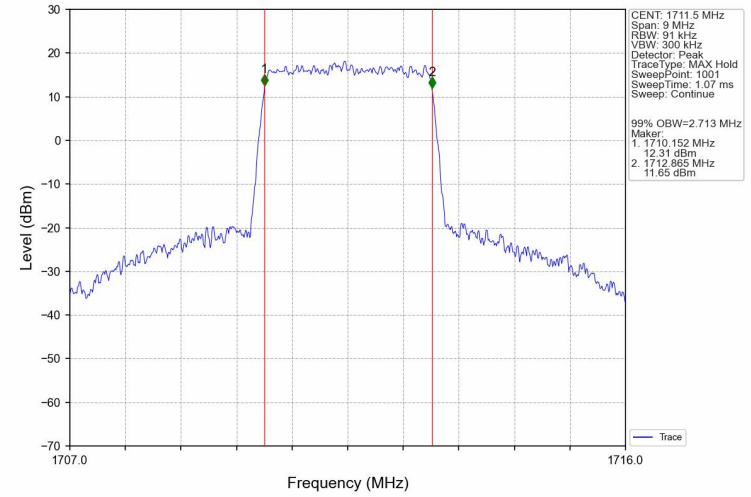
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



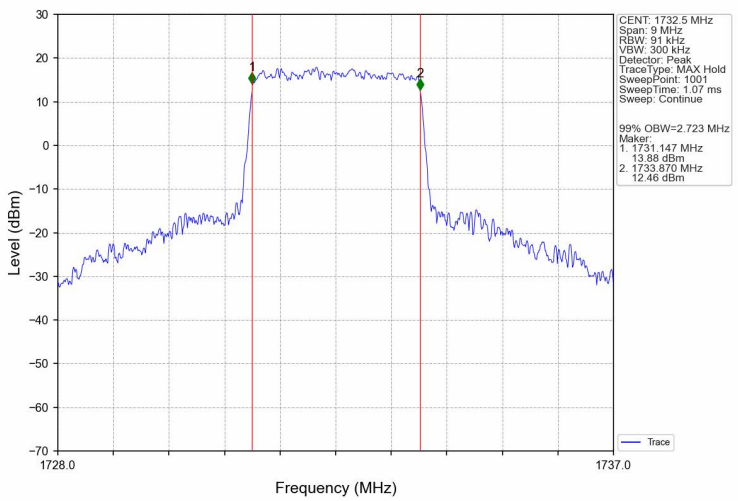
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



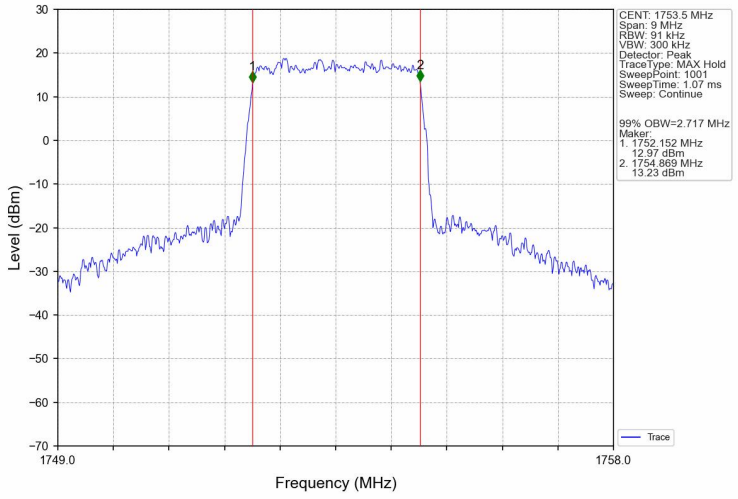
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



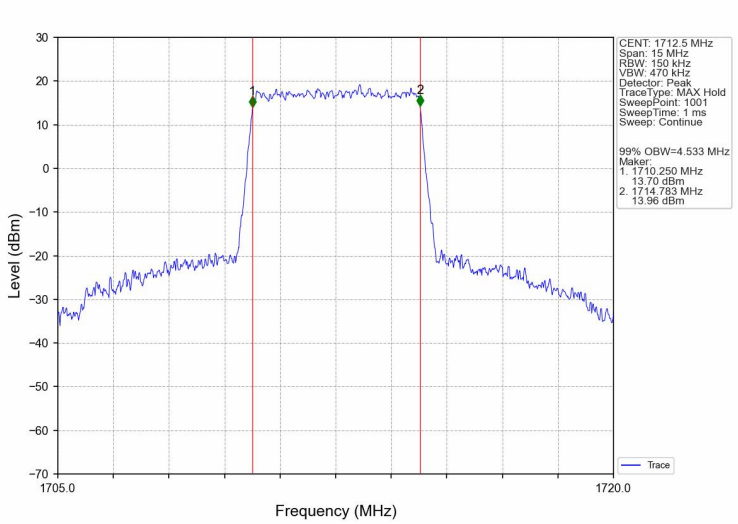
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



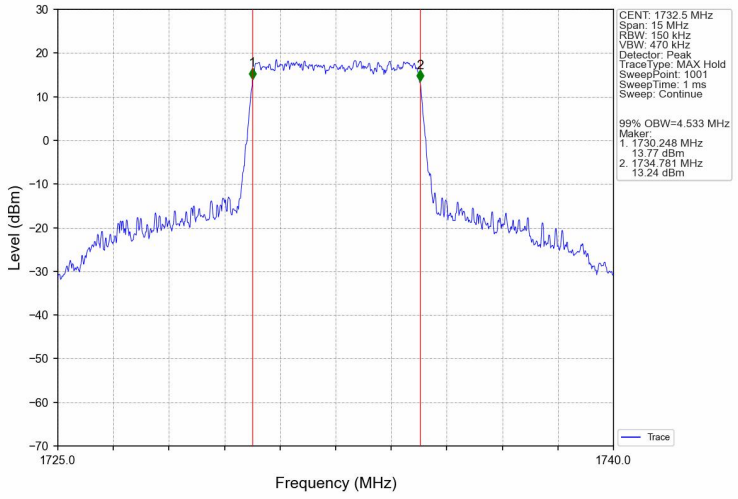
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



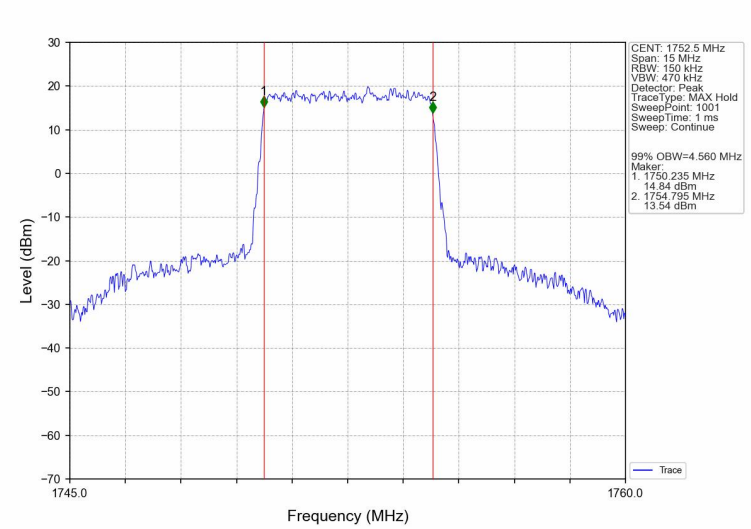
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



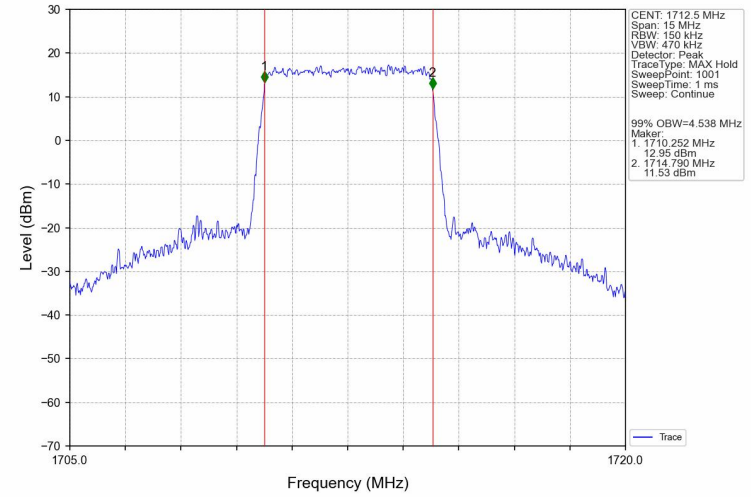
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



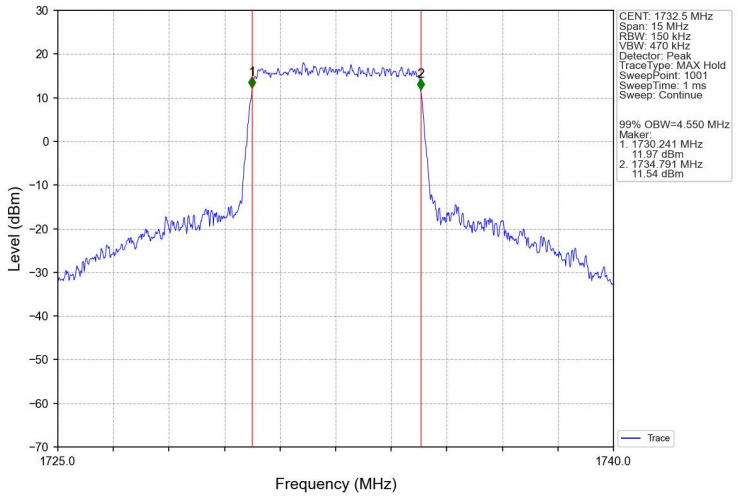
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



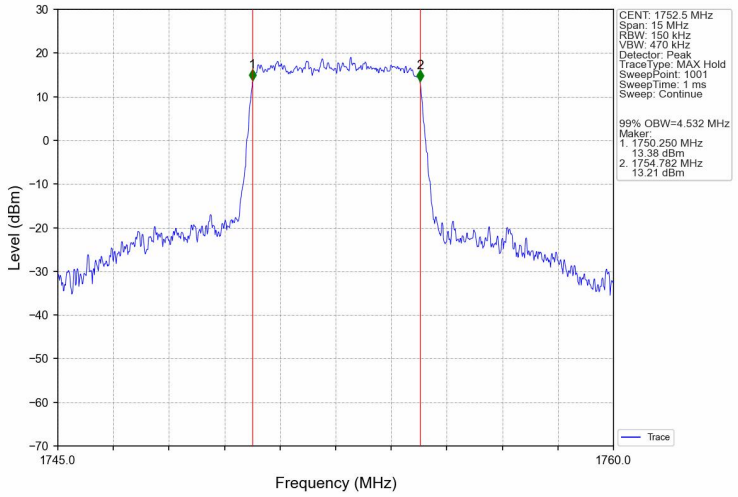
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



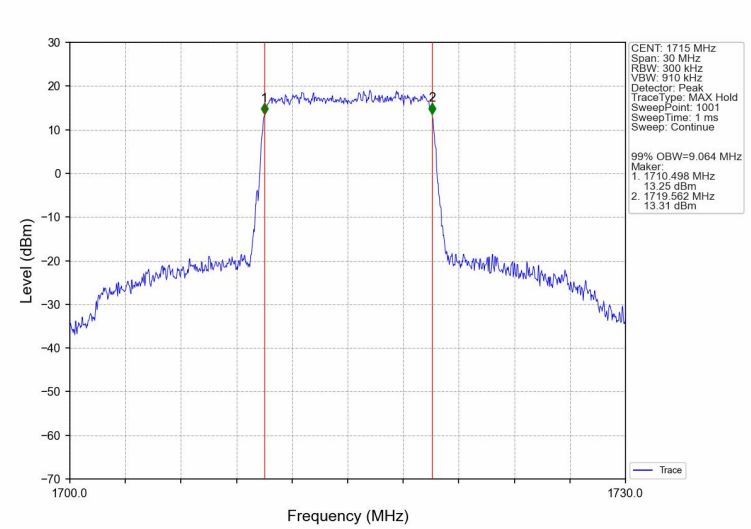
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



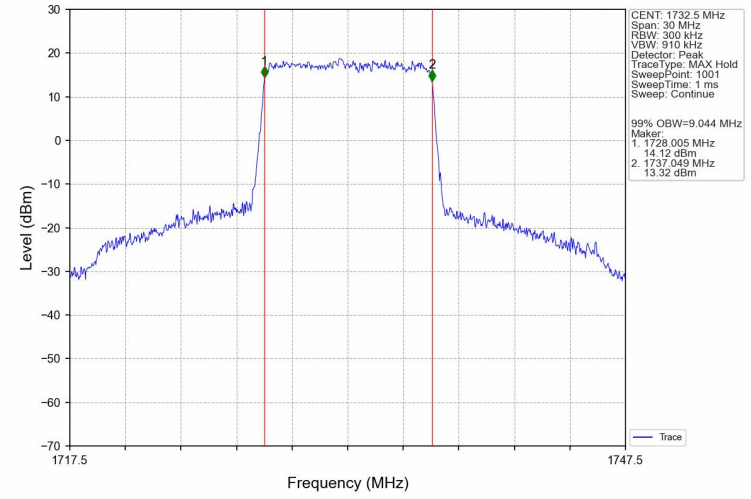
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



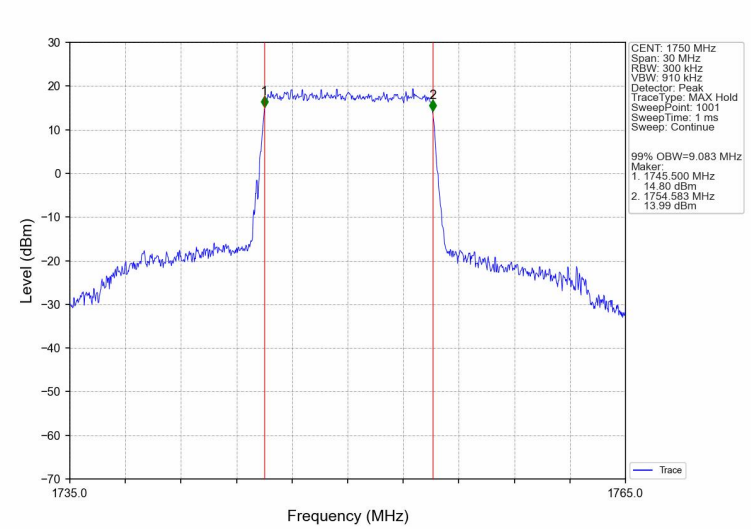
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



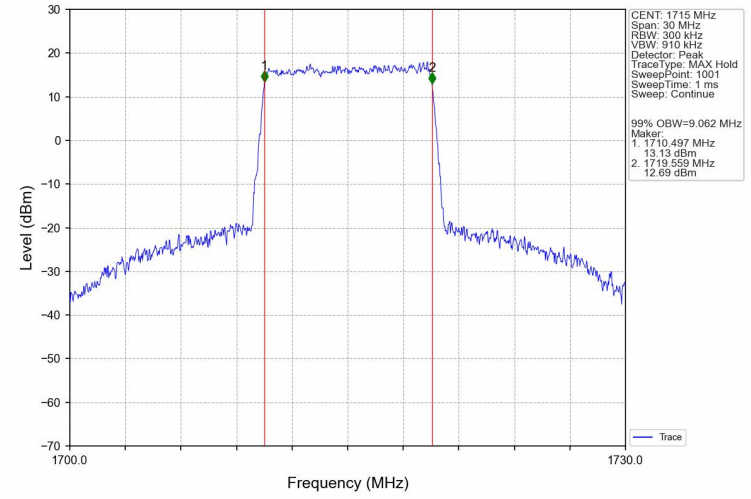
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



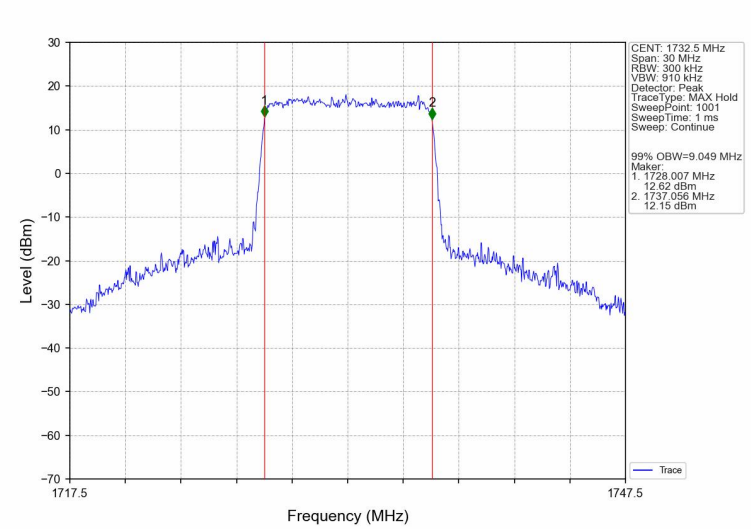
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



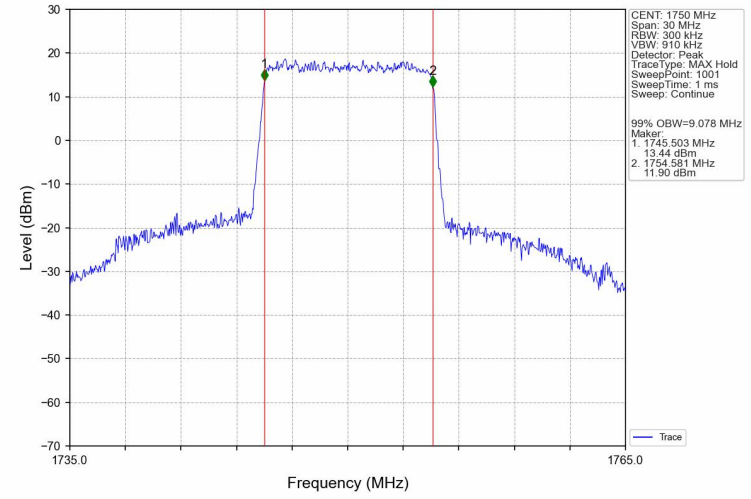
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



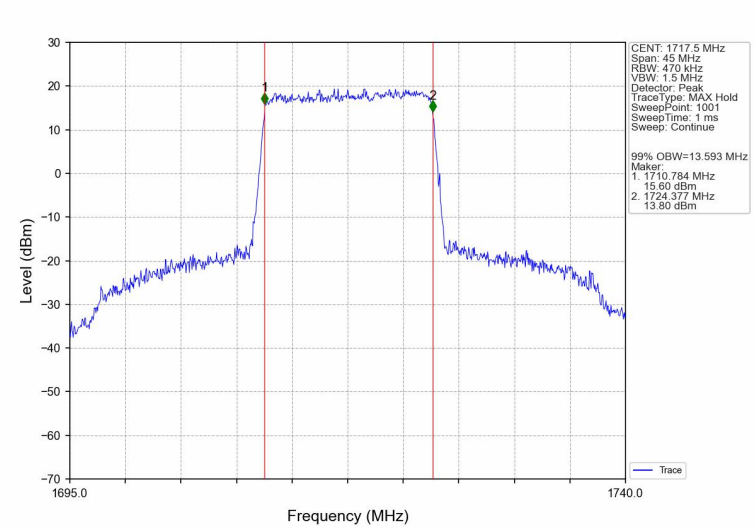
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



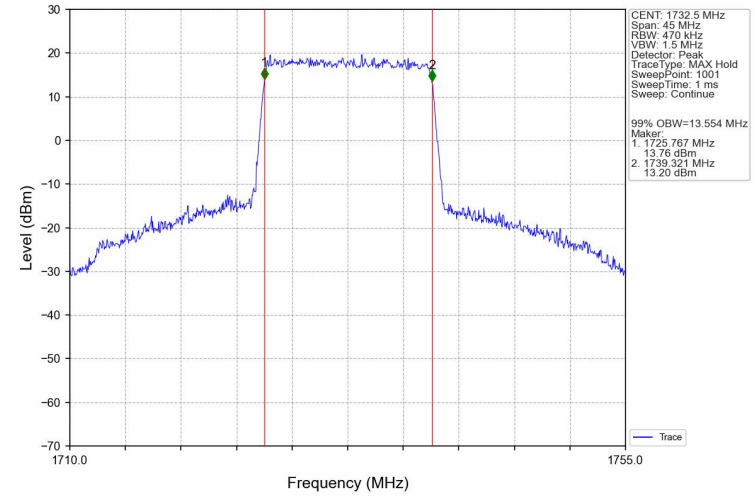
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



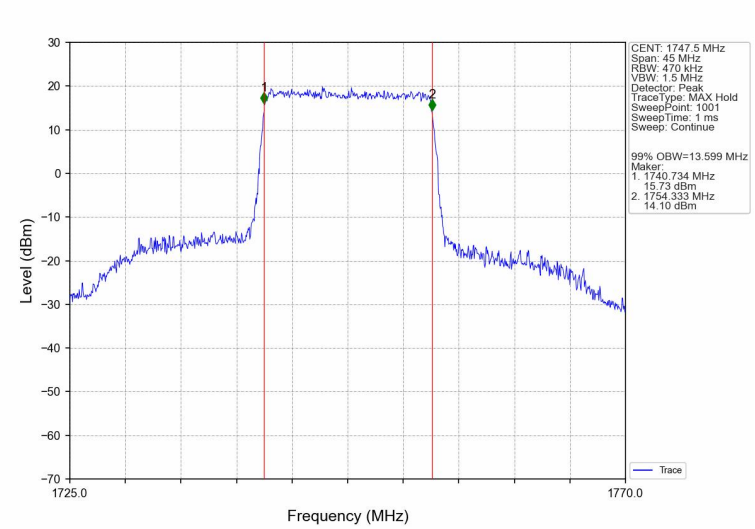
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



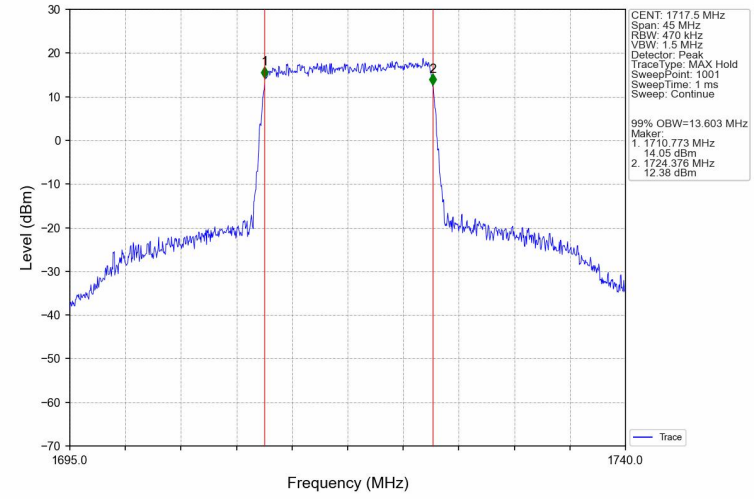
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



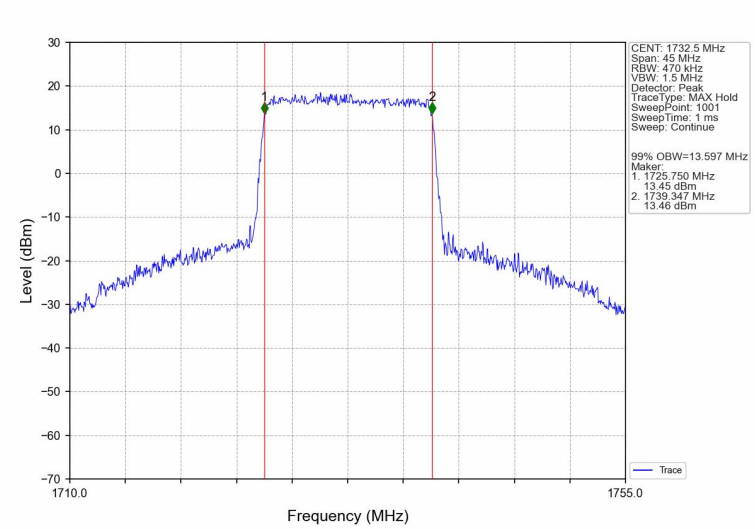
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



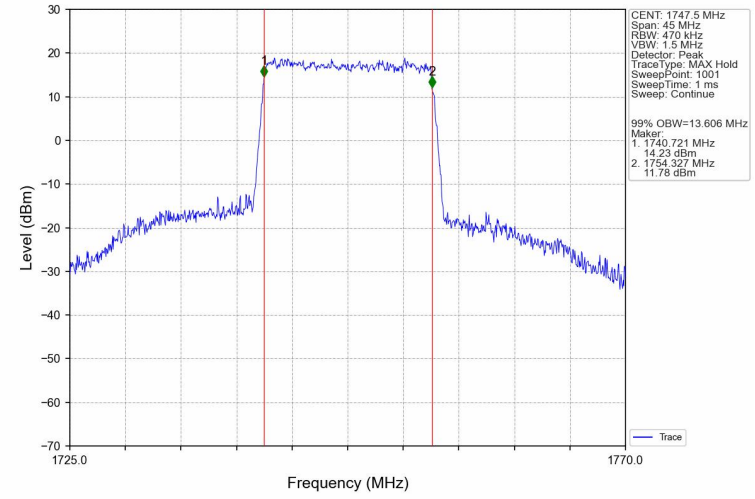
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



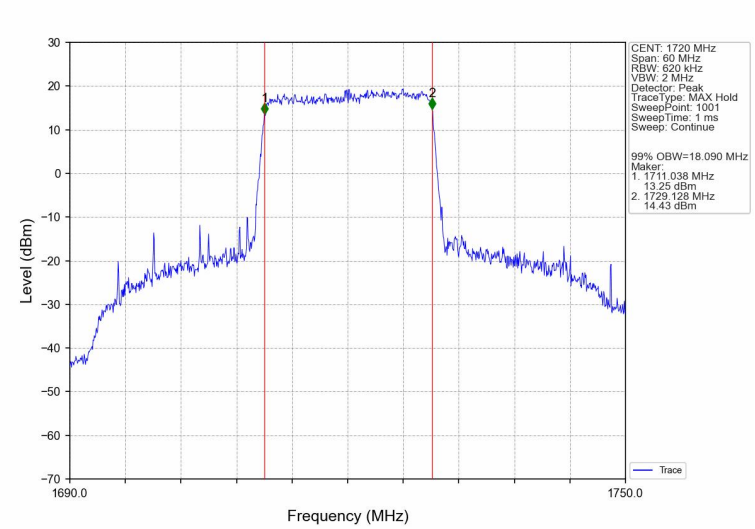
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



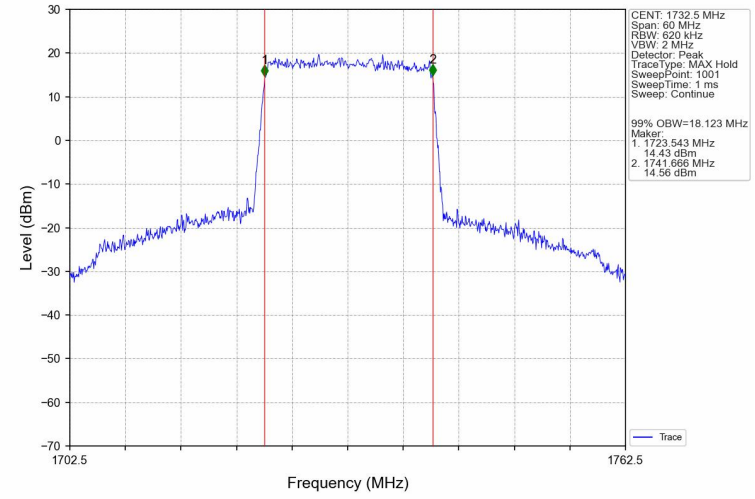
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



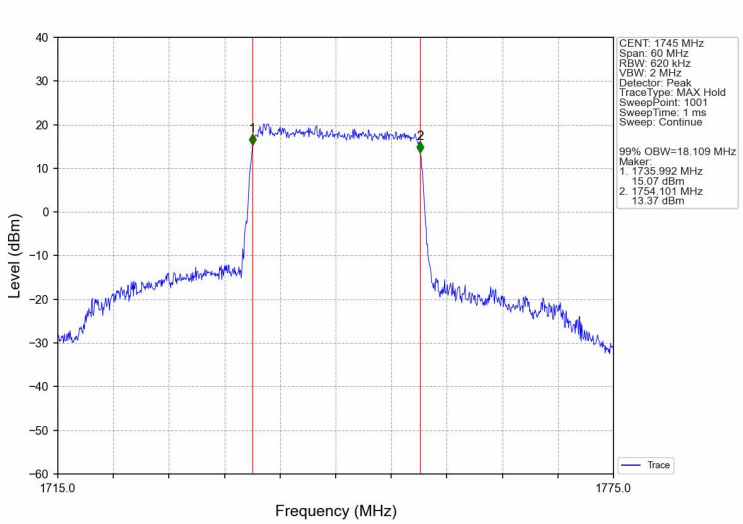
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



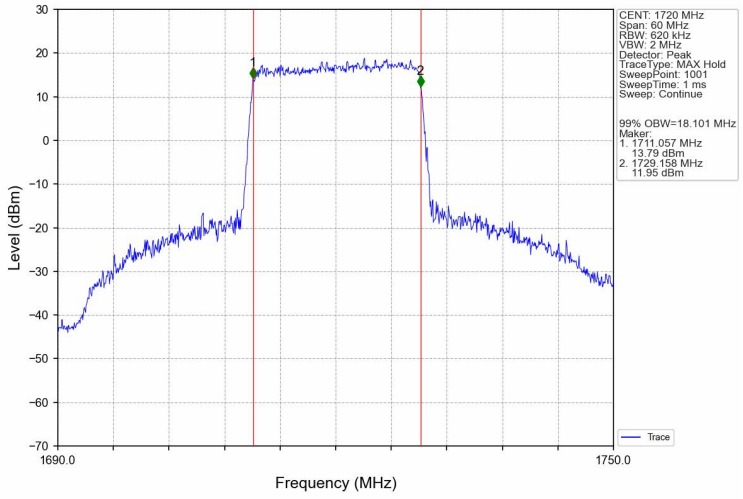
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



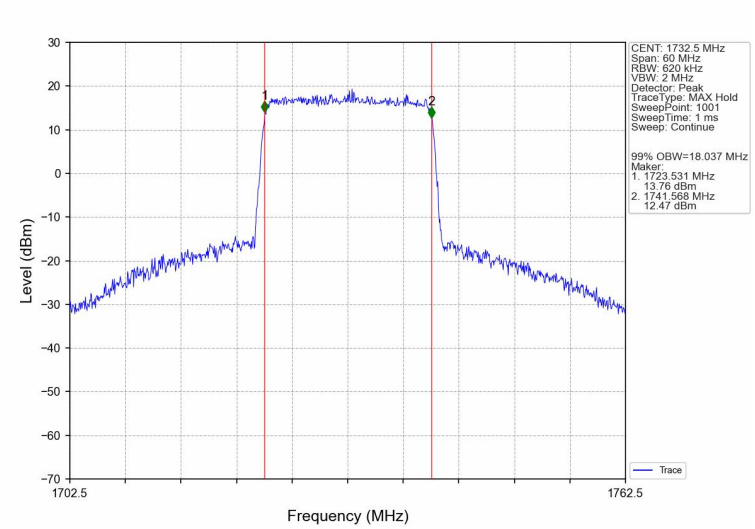
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



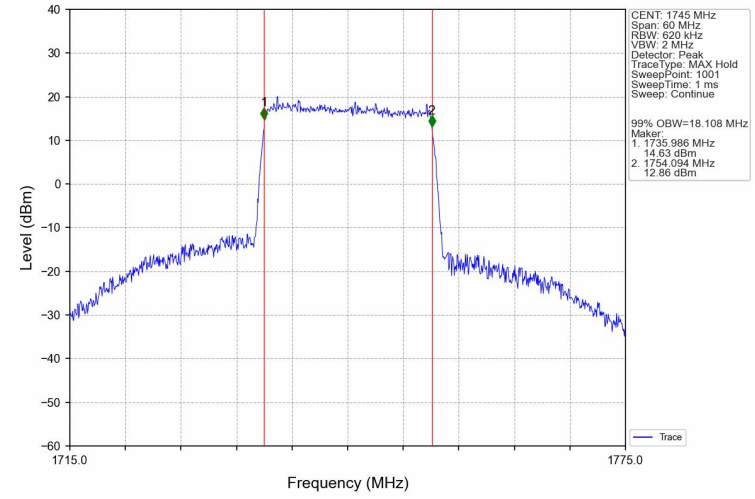
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

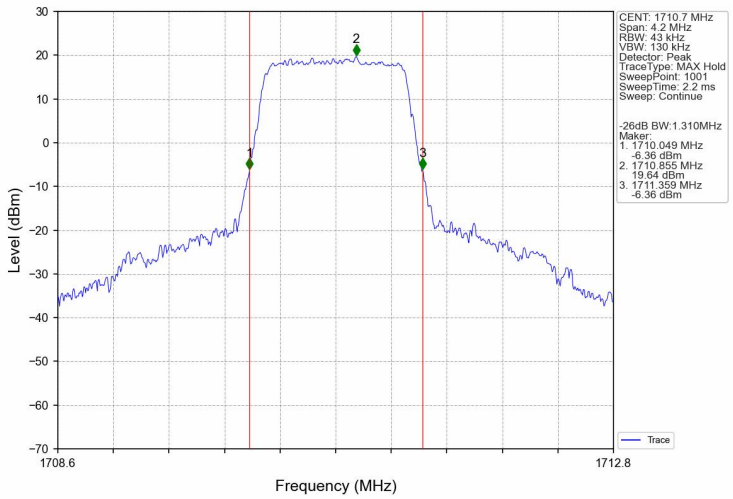


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

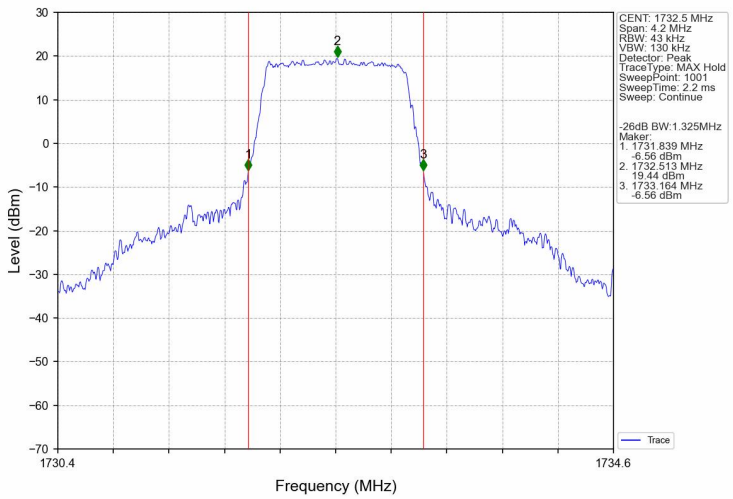


4.2.2 Band4_XDB

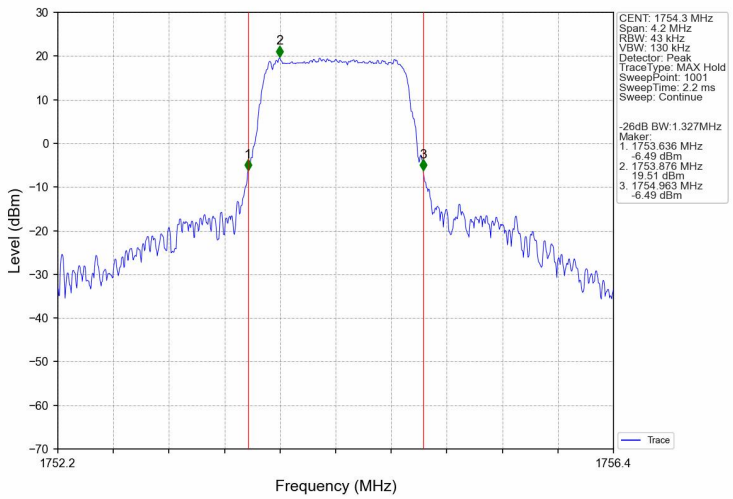
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



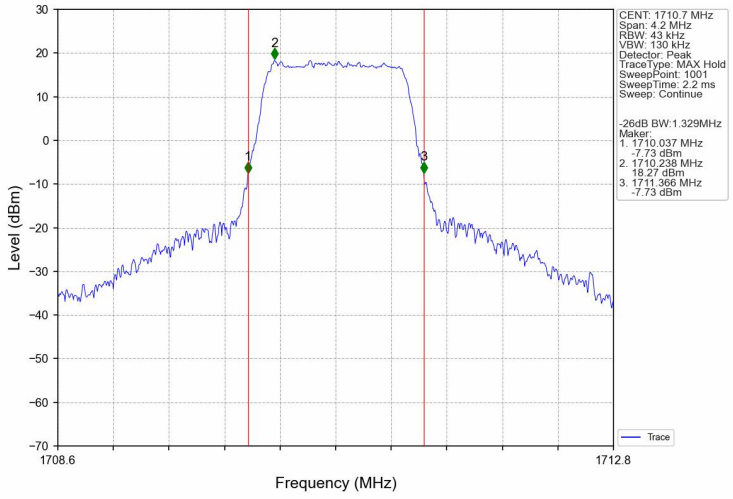
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



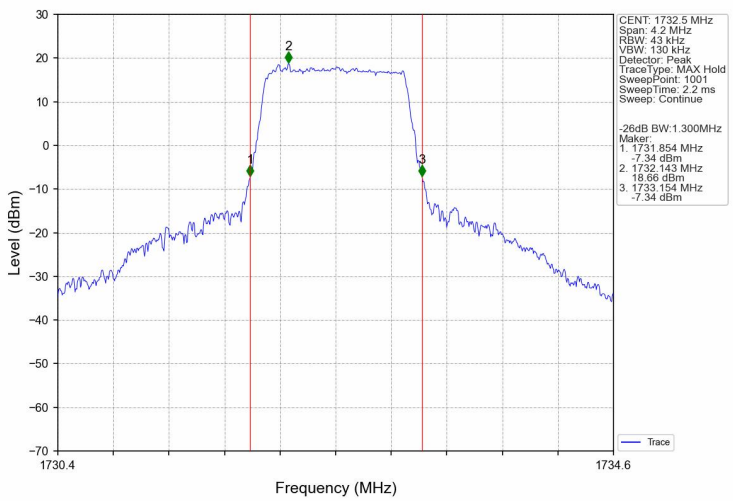
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



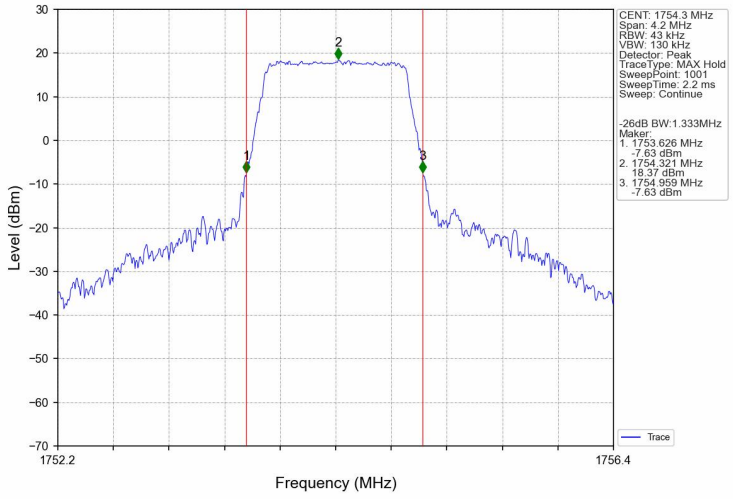
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



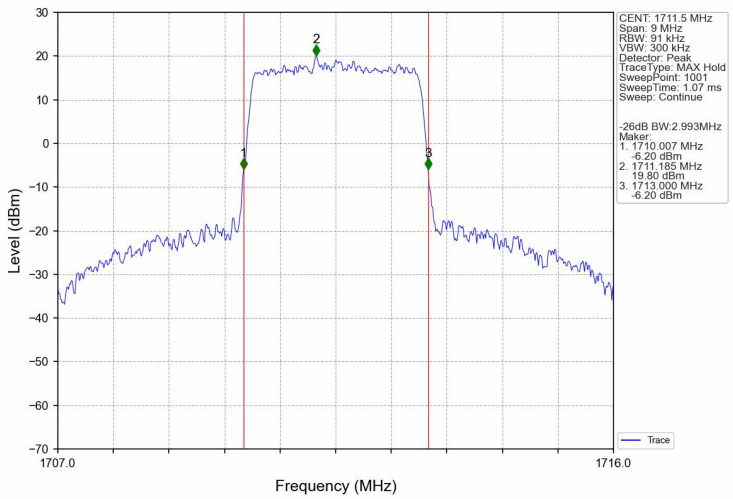
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



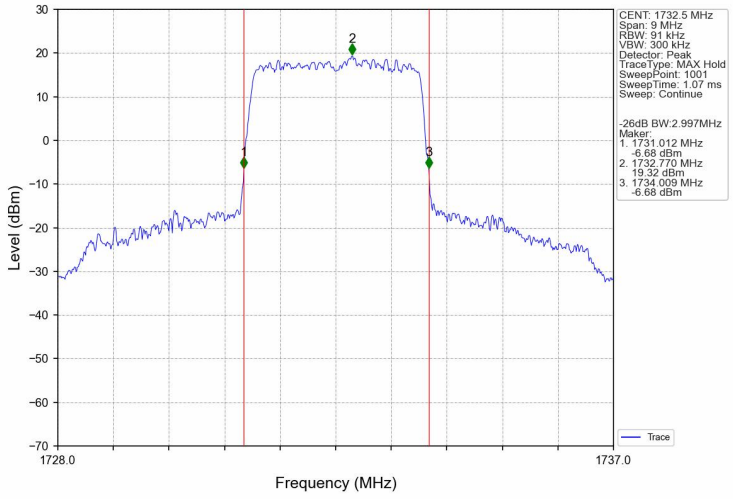
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



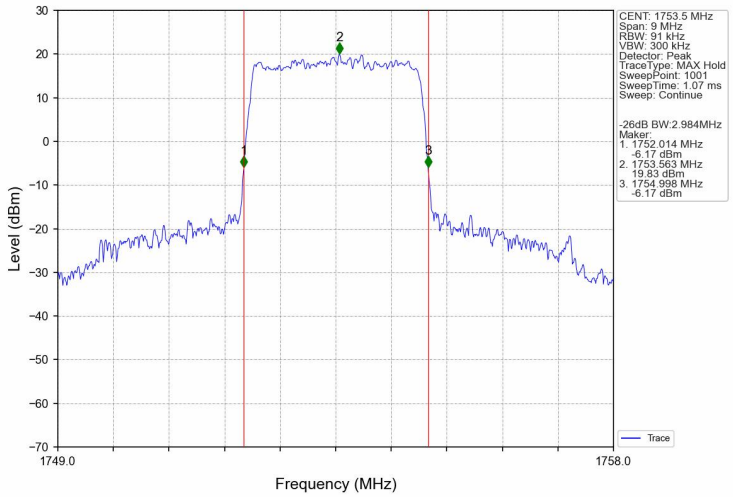
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



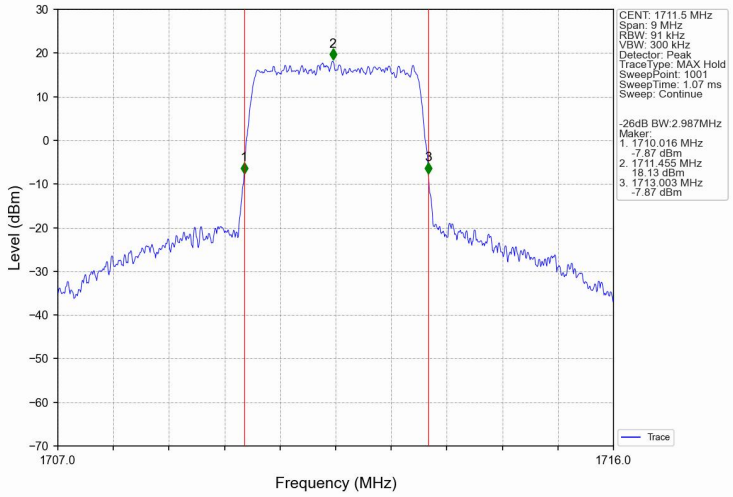
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



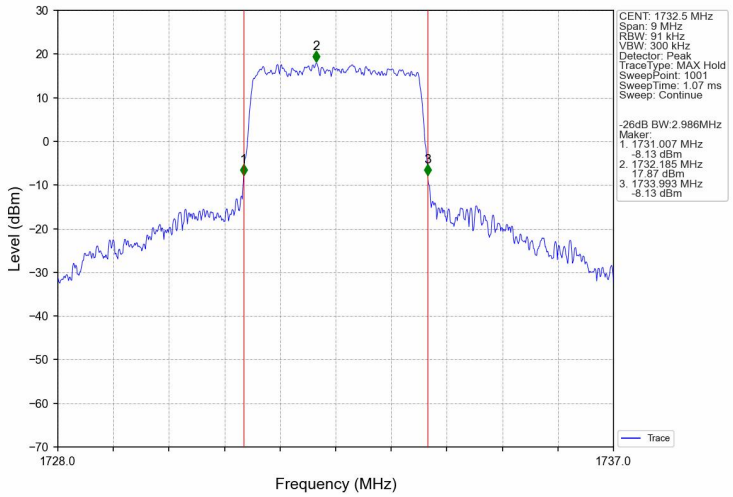
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



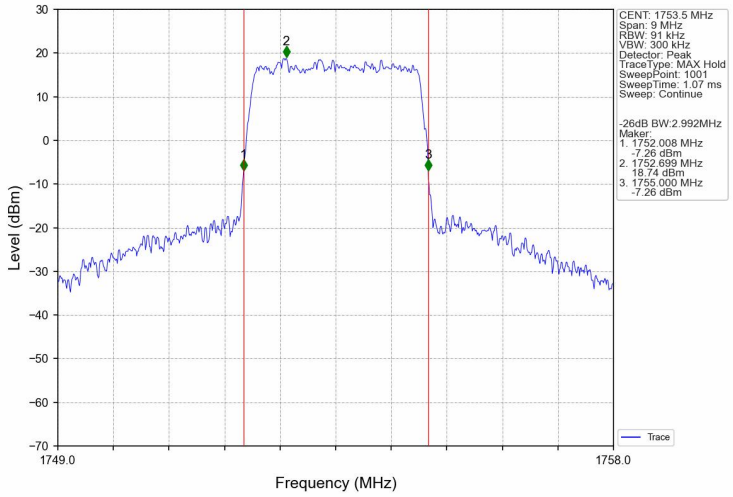
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



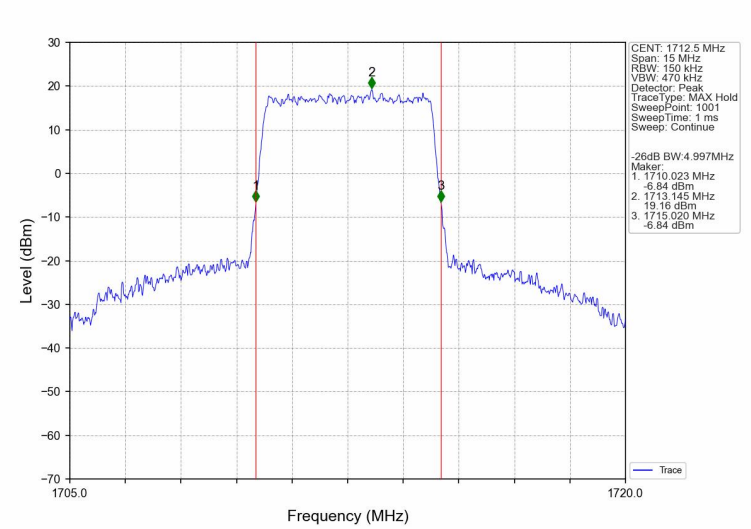
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



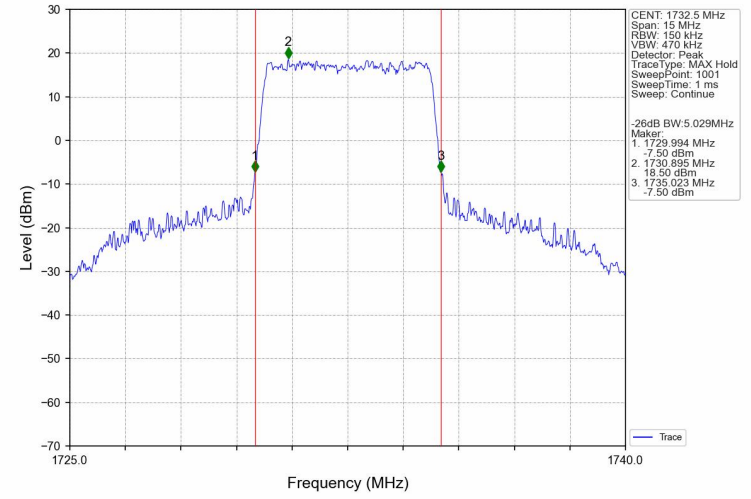
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



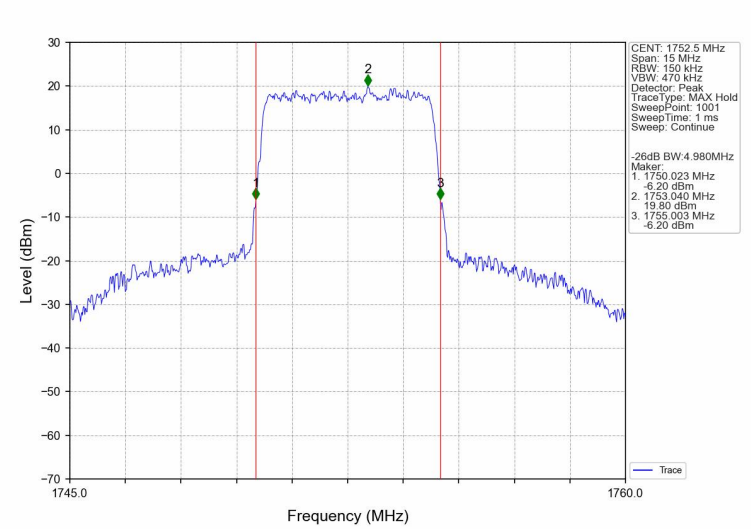
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



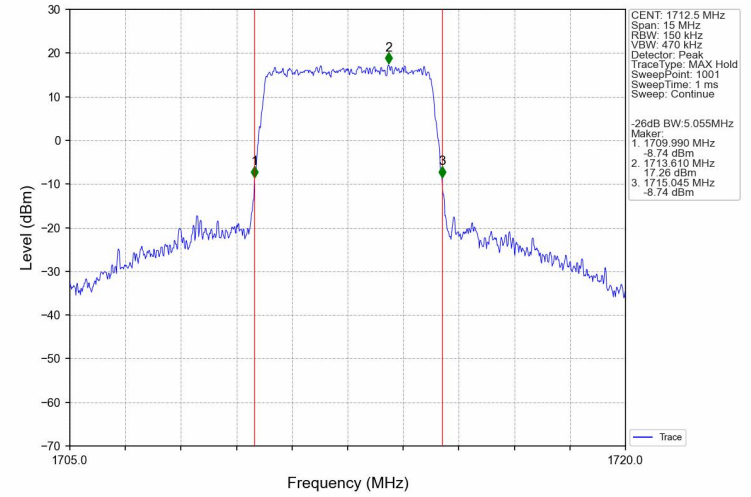
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



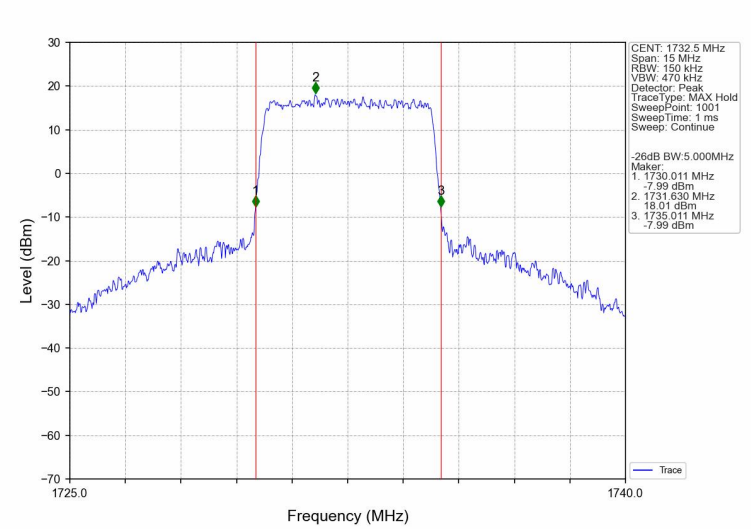
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



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