Appendix Test Data for LTE_band_66

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B66_1.4MHz_EIRP

Band: 66 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	22.86	-1.32	21.54	<=30	Pass
			2	23.03	-1.32	21.71	<=30	Pass
			5	22.86	-1.32	21.54	<=30	Pass
		3	0	22.95	-1.32	21.63	<=30	Pass
			2	22.99	-1.32	21.67	<=30	Pass
			3	22.97	-1.32	21.65	<=30	Pass
		6	0	21.91	-1.32	20.59	<=30	Pass
	1745	1	0	22.83	-1.32	21.51	<=30	Pass
			2	22.98	-1.32	21.66	<=30	Pass
			5	22.81	-1.32	21.49	<=30	Pass
		3	0	22.88	-1.32	21.56	<=30	Pass
			2	22.91	-1.32	21.59	<=30	Pass
			3	22.87	-1.32	21.55	<=30	Pass
		6	0	21.88	-1.32	20.56	<=30	Pass
	1779.3	1	0	23.65	-1.32	22.33	<=30	Pass
			2	23.81	-1.32	22.49	<=30	Pass
			5	23.65	-1.32	22.33	<=30	Pass
		3	0	23.70	-1.32	22.38	<=30	Pass
			2	23.72	-1.32	22.40	<=30	Pass
			3	23.75	-1.32	22.43	<=30	Pass
		6	0	22.74	-1.32	21.42	<=30	Pass
16QAM	1710.7	1	0	21.73	-1.32	20.41	<=30	Pass
			2	21.96	-1.32	20.64	<=30	Pass
			5	21.74	-1.32	20.42	<=30	Pass
		3	0	21.77	-1.32	20.45	<=30	Pass
			2	21.76	-1.32	20.44	<=30	Pass
			3	21.72	-1.32	20.40	<=30	Pass
		6	0	20.96	-1.32	19.64	<=30	Pass
	1745	1	0	21.90	-1.32	20.58	<=30	Pass
			2	22.10	-1.32	20.78	<=30	Pass
			5	21.90	-1.32	20.58	<=30	Pass
		3	0	21.76	-1.32	20.44	<=30	Pass
			2	21.74	-1.32	20.42	<=30	Pass
			3	21.72	-1.32	20.40	<=30	Pass
		6	0	20.92	-1.32	19.60	<=30	Pass
	1779.3	1	0	22.52	-1.32	21.20	<=30	Pass
			2	22.71	-1.32	21.39	<=30	Pass
			5	22.51	-1.32	21.19	<=30	Pass
		3	0	22.44	-1.32	21.12	<=30	Pass
			2	22.29	-1.32	20.97	<=30	Pass
			3	22.04	-1.32	20.72	<=30	Pass
		6	0	21.63	-1.32	20.31	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B66_3MHz_EIRP

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.36	-1.32	22.04	<=30	Pass
			7	23.56	-1.32	22.24	<=30	Pass
			14	23.37	-1.32	22.05	<=30	Pass
		8	0	22.44	-1.32	21.12	<=30	Pass
			4	22.46	-1.32	21.14	<=30	Pass
			7	22.44	-1.32	21.12	<=30	Pass
		15	0	22.37	-1.32	21.05	<=30	Pass
	1745	1	0	22.87	-1.32	21.55	<=30	Pass
			7	23.00	-1.32	21.68	<=30	Pass
			14	22.88	-1.32	21.56	<=30	Pass
		8	0	21.88	-1.32	20.56	<=30	Pass
			4	21.91	-1.32	20.59	<=30	Pass
			7	21.88	-1.32	20.56	<=30	Pass
		15	0	21.84	-1.32	20.52	<=30	Pass
	1778.5	1	0	23.24	-1.32	21.92	<=30	Pass
			7	23.42	-1.32	22.10	<=30	Pass
			14	23.22	-1.32	21.90	<=30	Pass
		8	0	22.27	-1.32	20.95	<=30	Pass
			4	22.26	-1.32	20.94	<=30	Pass
			7	22.23	-1.32	20.91	<=30	Pass
		15	0	22.18	-1.32	20.86	<=30	Pass
16QAM	1711.5	1	0	22.08	-1.32	20.76	<=30	Pass
			7	22.20	-1.32	20.88	<=30	Pass
			14	22.02	-1.32	20.70	<=30	Pass
		8	0	21.02	-1.32	19.70	<=30	Pass
			4	21.03	-1.32	19.71	<=30	Pass
			7	21.01	-1.32	19.69	<=30	Pass
		15	0	20.97	-1.32	19.65	<=30	Pass
	1745	1	0	22.04	-1.32	20.72	<=30	Pass
			7	22.10	-1.32	20.78	<=30	Pass
			14	21.94	-1.32	20.62	<=30	Pass
		8	0	20.94	-1.32	19.62	<=30	Pass
			4	20.94	-1.32	19.62	<=30	Pass
			7	20.92	-1.32	19.60	<=30	Pass
		15	0	20.82	-1.32	19.50	<=30	Pass
	1778.5	1	0	22.08	-1.32	20.76	<=30	Pass
			7	22.31	-1.32	20.99	<=30	Pass
			14	22.12	-1.32	20.80	<=30	Pass
		8	0	21.28	-1.32	19.96	<=30	Pass
			4	21.31	-1.32	19.99	<=30	Pass
			7	21.25	-1.32	19.93	<=30	Pass
		15	0	21.14	-1.32	19.82	<=30	Pass

Band: 66 / Bandwidth: 3MHz / NTNV

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B66_5MHz_EIRP

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	22.92	-1.32	21.60	<=30	Pass
			13	22.98	-1.32	21.66	<=30	Pass
			24	22.93	-1.32	21.61	<=30	Pass
		12	0	21.94	-1.32	20.62	<=30	Pass
			6	21.97	-1.32	20.65	<=30	Pass
			13	21.96	-1.32	20.64	<=30	Pass
		25	0	21.94	-1.32	20.62	<=30	Pass
	1745	1	0	22.84	-1.32	21.52	<=30	Pass
			13	22.93	-1.32	21.61	<=30	Pass
			24	22.83	-1.32	21.51	<=30	Pass
		12	0	21.86	-1.32	20.54	<=30	Pass
			6	21.89	-1.32	20.57	<=30	Pass
			13	21.89	-1.32	20.57	<=30	Pass
		25	0	21.86	-1.32	20.54	<=30	Pass
	1777.5	1	0	23.11	-1.32	21.79	<=30	Pass
			13	23.20	-1.32	21.88	<=30	Pass
			24	23.14	-1.32	21.82	<=30	Pass
		12	0	22.18	-1.32	20.86	<=30	Pass
			6	22.22	-1.32	20.90	<=30	Pass
			13	22.18	-1.32	20.86	<=30	Pass
		25	0	22.16	-1.32	20.84	<=30	Pass
16QAM	1712.5	1	0	22.05	-1.32	20.73	<=30	Pass
			13	22.10	-1.32	20.78	<=30	Pass
			24	22.00	-1.32	20.68	<=30	Pass
		12	0	21.00	-1.32	19.68	<=30	Pass
			6	21.07	-1.32	19.75	<=30	Pass
			13	21.03	-1.32	19.71	<=30	Pass
		25	0	21.08	-1.32	19.76	<=30	Pass
	1745	1	0	21.90	-1.32	20.58	<=30	Pass
			13	21.92	-1.32	20.60	<=30	Pass
			24	21.81	-1.32	20.49	<=30	Pass
		12	0	20.88	-1.32	19.56	<=30	Pass
			6	20.91	-1.32	19.59	<=30	Pass
			13	20.91	-1.32	19.59	<=30	Pass
		25	0	20.92	-1.32	19.60	<=30	Pass
	1777.5	1	0	22.22	-1.32	20.90	<=30	Pass
			13	22.32	-1.32	21.00	<=30	Pass
			24	22.26	-1.32	20.94	<=30	Pass
		12	0	21.22	-1.32	19.90	<=30	Pass
			6	21.26	-1.32	19.94	<=30	Pass
			13	21.20	-1.32	19.88	<=30	Pass
		25	0	21.17	-1.32	19.85	<=30	Pass

Band: 66 / Bandwidth: 5MHz / NTNV

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B66_10MHz_EIRP

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	22.96	-1.32	21.64	<=30	Pass
			25	23.04	-1.32	21.72	<=30	Pass
			49	22.95	-1.32	21.63	<=30	Pass
		25	0	21.99	-1.32	20.67	<=30	Pass
			13	22.03	-1.32	20.71	<=30	Pass
			25	22.03	-1.32	20.71	<=30	Pass
		50	0	22.00	-1.32	20.68	<=30	Pass
	1745	1	0	22.87	-1.32	21.55	<=30	Pass
			25	23.00	-1.32	21.68	<=30	Pass
			49	22.85	-1.32	21.53	<=30	Pass
		25	0	21.96	-1.32	20.64	<=30	Pass
			13	21.95	-1.32	20.63	<=30	Pass
			25	21.98	-1.32	20.66	<=30	Pass
		50	0	21.94	-1.32	20.62	<=30	Pass
	1775	1	0	23.03	-1.32	21.71	<=30	Pass
			25	23.28	-1.32	21.96	<=30	Pass
			49	23.17	-1.32	21.85	<=30	Pass
		25	0	22.18	-1.32	20.86	<=30	Pass
			13	22.20	-1.32	20.88	<=30	Pass
			25	22.23	-1.32	20.91	<=30	Pass
		50	0	22.19	-1.32	20.87	<=30	Pass
16QAM	1715	1	0	21.88	-1.32	20.56	<=30	Pass
			25	21.91	-1.32	20.59	<=30	Pass
			49	21.82	-1.32	20.50	<=30	Pass
		25	0	21.09	-1.32	19.77	<=30	Pass
			13	21.12	-1.32	19.80	<=30	Pass
			25	21.11	-1.32	19.79	<=30	Pass
		50	0	21.06	-1.32	19.74	<=30	Pass
	1745	1	0	22.04	-1.32	20.72	<=30	Pass
			25	22.10	-1.32	20.78	<=30	Pass
			49	21.99	-1.32	20.67	<=30	Pass
		25	0	20.97	-1.32	19.65	<=30	Pass
			13	20.98	-1.32	19.66	<=30	Pass
			25	21.00	-1.32	19.68	<=30	Pass
		50	0	20.98	-1.32	19.66	<=30	Pass
	1775	1	0	22.23	-1.32	20.91	<=30	Pass
			25	22.39	-1.32	21.07	<=30	Pass
			49	22.30	-1.32	20.98	<=30	Pass
		25	0	21.24	-1.32	19.92	<=30	Pass
			13	21.25	-1.32	19.93	<=30	Pass
			25	21.26	-1.32	19.94	<=30	Pass
		50	0	21.18	-1.32	19.86	<=30	Pass

Band: 66 / Bandwidth: 10MHz / NTNV

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B66_15MHz_EIRP

Band: 66 / 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	22.83	-1.32	21.51	<=30	Pass
			38	22.98	-1.32	21.66	<=30	Pass
			74	22.85	-1.32	21.53	<=30	Pass
		36	0	22.01	-1.32	20.69	<=30	Pass
			18	22.08	-1.32	20.76	<=30	Pass
			39	22.08	-1.32	20.76	<=30	Pass
		75	0	22.07	-1.32	20.75	<=30	Pass
	1745	1	0	22.85	-1.32	21.53	<=30	Pass
			38	22.92	-1.32	21.60	<=30	Pass
			74	22.80	-1.32	21.48	<=30	Pass
		36	0	21.98	-1.32	20.66	<=30	Pass
			18	22.05	-1.32	20.73	<=30	Pass
			39	22.07	-1.32	20.75	<=30	Pass
		75	0	22.00	-1.32	20.68	<=30	Pass
	1772.5	1	0	22.97	-1.32	21.65	<=30	Pass
			38	23.14	-1.32	21.82	<=30	Pass
			74	23.08	-1.32	21.76	<=30	Pass
		36	0	22.18	-1.32	20.86	<=30	Pass
			18	22.27	-1.32	20.95	<=30	Pass
			39	22.35	-1.32	21.03	<=30	Pass
		75	0	22.26	-1.32	20.94	<=30	Pass
16QAM	1717.5	1	0	22.05	-1.32	20.73	<=30	Pass
			38	22.18	-1.32	20.86	<=30	Pass
			74	22.12	-1.32	20.80	<=30	Pass
		36	0	21.04	-1.32	19.72	<=30	Pass
			18	21.09	-1.32	19.77	<=30	Pass
			39	21.09	-1.32	19.77	<=30	Pass
		75	0	21.04	-1.32	19.72	<=30	Pass
	1745	1	0	21.76	-1.32	20.44	<=30	Pass
			38	21.82	-1.32	20.50	<=30	Pass
			74	21.67	-1.32	20.35	<=30	Pass
		36	0	20.91	-1.32	19.59	<=30	Pass
			18	20.96	-1.32	19.64	<=30	Pass
			39	20.99	-1.32	19.67	<=30	Pass
		75	0	21.00	-1.32	19.68	<=30	Pass
	1772.5	1	0	22.17	-1.32	20.85	<=30	Pass
			38	22.35	-1.32	21.03	<=30	Pass
			74	22.22	-1.32	20.90	<=30	Pass
		36	0	21.15	-1.32	19.83	<=30	Pass
			18	21.24	-1.32	19.92	<=30	Pass
			39	21.27	-1.32	19.95	<=30	Pass
		75	0	21.18	-1.32	19.86	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B66_20MHz_EIRP

Band: 66 / Bandwidth: 20MHz / NTNV							
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	22.55	-1.32	21.23	<=30	Pass
			50	22.92	-1.32	21.60	<=30	Pass
			99	22.61	-1.32	21.29	<=30	Pass
		50	0	21.87	-1.32	20.55	<=30	Pass
			25	21.98	-1.32	20.66	<=30	Pass
			50	21.99	-1.32	20.67	<=30	Pass
		100	0	21.94	-1.32	20.62	<=30	Pass
	1745	1	0	22.72	-1.32	21.40	<=30	Pass
			50	23.17	-1.32	21.85	<=30	Pass
			99	22.73	-1.32	21.41	<=30	Pass
		50	0	21.90	-1.32	20.58	<=30	Pass
			25	21.95	-1.32	20.63	<=30	Pass
			50	21.98	-1.32	20.66	<=30	Pass
		100	0	21.94	-1.32	20.62	<=30	Pass
	1770	1	0	22.78	-1.32	21.46	<=30	Pass
			50	23.25	-1.32	21.93	<=30	Pass
			99	22.98	-1.32	21.66	<=30	Pass
		50	0	22.11	-1.32	20.79	<=30	Pass
			25	22.15	-1.32	20.83	<=30	Pass
			50	22.20	-1.32	20.88	<=30	Pass
		100	0	22.13	-1.32	20.81	<=30	Pass
16QAM	1720	1	0	21.70	-1.32	20.38	<=30	Pass
			50	22.05	-1.32	20.73	<=30	Pass
			99	21.80	-1.32	20.48	<=30	Pass
		50	0	21.00	-1.32	19.68	<=30	Pass
			25	21.09	-1.32	19.77	<=30	Pass
			50	21.09	-1.32	19.77	<=30	Pass
		100	0	20.99	-1.32	19.67	<=30	Pass
	1745	1	0	21.90	-1.32	20.58	<=30	Pass
			50	22.13	-1.32	20.81	<=30	Pass
			99	21.79	-1.32	20.47	<=30	Pass
		50	0	20.92	-1.32	19.60	<=30	Pass
			25	20.98	-1.32	19.66	<=30	Pass
			50	21.01	-1.32	19.69	<=30	Pass
		100	0	20.97	-1.32	19.65	<=30	Pass
	1770	1	0	21.83	-1.32	20.51	<=30	Pass
			50	22.28	-1.32	20.96	<=30	Pass
			99	22.02	-1.32	20.70	<=30	Pass
		50	0	21.19	-1.32	19.87	<=30	Pass
			25	21.21	-1.32	19.89	<=30	Pass
			50	21.24	-1.32	19.92	<=30	Pass
		100	0	21.19	-1.32	19.87	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B66_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	-16.179	-0.0095	-2.5 to 2.5	Pass
					3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
					4.43	1.788	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				-20	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				0	3.85	2.632	0.0015	-2.5 to 2.5	Pass
				10	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	-4.220	-0.0024	-2.5 to 2.5	Pass
					3.85	-5.264	-0.0030	-2.5 to 2.5	Pass
					4.43	0.687	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-8.354	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				0	3.85	-7.582	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				30	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				40	3.85	4.435	0.0025	-2.5 to 2.5	Pass
				50	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	4.306	0.0024	-2.5 to 2.5	Pass
					3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
					4.43	-6.409	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	5.236	0.0029	-2.5 to 2.5	Pass
				-20	3.85	-8.111	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-7.596	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-4.992	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-6.881	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-11.873	-0.0067	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	4.277	0.0025	-2.5 to 2.5	Pass
					3.85	-8.855	-0.0052	-2.5 to 2.5	Pass
					4.43	-1.988	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	3.891	0.0023	-2.5 to 2.5	Pass
				-20	3.85	5.980	0.0035	-2.5 to 2.5	Pass
				-10	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				10	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				30	3.85	2.675	0.0016	-2.5 to 2.5	Pass
				40	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				50	3.85	-15.593	-0.0091	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	2.604	0.0015	-2.5 to 2.5	Pass
					3.85	5.836	0.0033	-2.5 to 2.5	Pass
					4.43	7.625	0.0044	-2.5 to 2.5	Pass
				-30	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-7.195	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-6.866	-0.0039	-2.5 to 2.5	Pass

Band: 66 / Bandwidth: 1.4MHz

			0	3.85	-5.808	-0.0033	-2.5 to 2.5	Pass
			10	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
			30	3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
			40	3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
			50	3.85	0.572	0.0003	-2.5 to 2.5	Pass
1779.3	6	0	20	3.27	-8.740	-0.0049	-2.5 to 2.5	Pass
				3.85	0.300	0.0002	-2.5 to 2.5	Pass
				4.43	-6.208	-0.0035	-2.5 to 2.5	Pass
			-30	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
			-20	3.85	-10.872	-0.0061	-2.5 to 2.5	Pass
			-10	3.85	2.546	0.0014	-2.5 to 2.5	Pass
			0	3.85	-6.323	-0.0036	-2.5 to 2.5	Pass
			10	3.85	-5.822	-0.0033	-2.5 to 2.5	Pass
			30	3.85	-8.740	-0.0049	-2.5 to 2.5	Pass
			40	3.85	-9.227	-0.0052	-2.5 to 2.5	Pass
			50	3.85	3.676	0.0021	-2.5 to 2.5	Pass

2.1.2 B66_3MHz

Band: 66 / 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	-8.011	-0.0047	-2.5 to 2.5	Pass
					3.85	-9.871	-0.0058	-2.5 to 2.5	Pass
					4.43	-5.536	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-11.086	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-11.559	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-9.327	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-9.341	-0.0055	-2.5 to 2.5	Pass
				30	3.85	5.693	0.0033	-2.5 to 2.5	Pass
				40	3.85	-8.640	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-4.721	-0.0028	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	-0.443	-0.0003	-2.5 to 2.5	Pass
					3.85	0.114	0.0001	-2.5 to 2.5	Pass
					4.43	-5.121	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	1.316	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-11.115	-0.0064	-2.5 to 2.5	Pass
				0	3.85	4.363	0.0025	-2.5 to 2.5	Pass
				10	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-6.566	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-0.629	-0.0004	-2.5 to 2.5	Pass
					3.85	-5.836	-0.0033	-2.5 to 2.5	Pass
					4.43	-8.168	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	3.490	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-9.828	-0.0055	-2.5 to 2.5	Pass
				0	3.85	3.662	0.0021	-2.5 to 2.5	Pass
				10	3.85	-1.688	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-7.854	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-3.104	-0.0017	-2.5 to 2.5	Pass
				50	3.85	1.945	0.0011	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-3.262	-0.0019	-2.5 to 2.5	Pass
					3.85	3.862	0.0023	-2.5 to 2.5	Pass
					4.43	-10.700	-0.0063	-2.5 to 2.5	Pass

Frequency (MHz)	Size	Offset	-30	3.85	2.360	0.0014	-2.5 to 2.5	Pass
			-30	3.85	2.360	0.0014	-2.5 to 2.5	Pass
			-20	3.85	-9.012	-0.0053	-2.5 to 2.5	Pass
			-10	3.85	0.687	0.0004	-2.5 to 2.5	Pass
			0	3.85	0.315	0.0002	-2.5 to 2.5	Pass
			10	3.85	1.001	0.0006	-2.5 to 2.5	Pass
			30	3.85	-5.922	-0.0035	-2.5 to 2.5	Pass
			40	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
			50	3.85	-8.225	-0.0048	-2.5 to 2.5	Pass
1745	15	0	20	3.27	-2.847	-0.0016	-2.5 to 2.5	Pass
				3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
				4.43	-4.592	-0.0026	-2.5 to 2.5	Pass
			-30	3.85	1.144	0.0007	-2.5 to 2.5	Pass
			-20	3.85	1.960	0.0011	-2.5 to 2.5	Pass
			-10	3.85	4.678	0.0027	-2.5 to 2.5	Pass
			0	3.85	0.544	0.0003	-2.5 to 2.5	Pass
			10	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
			30	3.85	-8.469	-0.0049	-2.5 to 2.5	Pass
			40	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
			50	3.85	9.542	0.0055	-2.5 to 2.5	Pass
1778.5	15	0	20	3.27	-9.198	-0.0052	-2.5 to 2.5	Pass
				3.85	-6.909	-0.0039	-2.5 to 2.5	Pass
				4.43	2.217	0.0012	-2.5 to 2.5	Pass
			-30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
			-20	3.85	-5.679	-0.0032	-2.5 to 2.5	Pass
			-10	3.85	-5.550	-0.0031	-2.5 to 2.5	Pass
			0	3.85	-10.328	-0.0058	-2.5 to 2.5	Pass
			10	3.85	1.287	0.0007	-2.5 to 2.5	Pass
			30	3.85	-5.479	-0.0031	-2.5 to 2.5	Pass
			40	3.85	-10.057	-0.0057	-2.5 to 2.5	Pass
			50	3.85	0.587	0.0003	-2.5 to 2.5	Pass

2.1.3 B66_5MHz

Band: 66 / Bandwidth: 5MHz								
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-6.838	-0.0040	-2.5 to 2.5	Pass
					3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
					4.43	-5.035	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	3.376	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-7.725	-0.0045	-2.5 to 2.5	Pass
				50	3.85	0.172	0.0001	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	-7.195	-0.0041	-2.5 to 2.5	Pass
					3.85	-12.503	-0.0072	-2.5 to 2.5	Pass
					4.43	-3.691	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	3.791	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-6.537	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-10.400	-0.0060	-2.5 to 2.5	Pass
				30	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				40	3.85	-15.306	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass

Modulation	Frequency (MHz)	Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Result	Limit	Verdict
16QAM	1777.5	25	0	20	3.27	-2.489	-0.0014	-2.5 to 2.5	Pass
					3.85	-3.762	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.302	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				0	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0008	-2.5 to 2.5	Pass
				30	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				40	3.85	-11.029	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
	1712.5	25	0	20	3.27	-1.802	-0.0011	-2.5 to 2.5	Pass
					3.85	0.257	0.0002	-2.5 to 2.5	Pass
					4.43	-3.204	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-5.236	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-7.982	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-7.353	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.317	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-7.038	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-7.625	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	-7.768	-0.0045	-2.5 to 2.5	Pass
					3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
					4.43	0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-3.891	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-7.339	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-7.610	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-2.704	-0.0015	-2.5 to 2.5	Pass
				50	3.85	1.531	0.0009	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-1.845	-0.0010	-2.5 to 2.5	Pass
					3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
					4.43	4.649	0.0026	-2.5 to 2.5	Pass
				-30	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-4.649	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-5.007	-0.0028	-2.5 to 2.5	Pass
				0	3.85	3.390	0.0019	-2.5 to 2.5	Pass
				10	3.85	-4.492	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.904	-0.0016	-2.5 to 2.5	Pass
				50	3.85	0.916	0.0005	-2.5 to 2.5	Pass

2.1.4 B66_10MHz

Band: 66 / 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	-4.606	-0.0027	-2.5 to 2.5	Pass
					3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
					4.43	-1.903	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-4.034	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-7.710	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-2.146	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass

				30	3.85	-2.317	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	-3.505	-0.0020	-2.5 to 2.5	Pass
					3.85	-9.813	-0.0056	-2.5 to 2.5	Pass
					4.43	-2.017	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-7.496	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	-7.453	-0.0042	-2.5 to 2.5	Pass
					3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
					4.43	-6.695	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-4.821	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-8.397	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-9.327	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-7.839	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-8.612	-0.0049	-2.5 to 2.5	Pass
				40	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	1.874	0.0011	-2.5 to 2.5	Pass
					3.85	1.774	0.0010	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-4.964	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				0	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				50	3.85	0.415	0.0002	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	-1.087	-0.0006	-2.5 to 2.5	Pass
					3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
					4.43	0.701	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.280	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-3.891	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-8.025	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-10.071	-0.0058	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	-2.890	-0.0016	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
					4.43	-1.717	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-4.048	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-7.710	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-7.324	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-3.777	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-6.766	-0.0038	-2.5 to 2.5	Pass

2.1.5 B66_15MHz

Band: 66 / 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	-6.351	-0.0037	-2.5 to 2.5	Pass
					3.85	-9.041	-0.0053	-2.5 to 2.5	Pass
					4.43	-9.027	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-9.613	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-9.999	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-9.785	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-9.856	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-9.313	-0.0054	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	-1.874	-0.0011	-2.5 to 2.5	Pass
					3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
					4.43	-3.247	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-9.255	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-8.912	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				0	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				10	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-12.674	-0.0073	-2.5 to 2.5	Pass
				40	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	-8.526	-0.0048	-2.5 to 2.5	Pass
					3.85	-5.307	-0.0030	-2.5 to 2.5	Pass
					4.43	-6.695	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-9.856	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-8.883	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-3.390	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-10.242	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-9.999	-0.0056	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-6.852	-0.0040	-2.5 to 2.5	Pass
					3.85	-8.054	-0.0047	-2.5 to 2.5	Pass
					4.43	-7.010	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-7.997	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-7.668	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-6.123	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-7.725	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	-7.725	-0.0044	-2.5 to 2.5	Pass
					3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
					4.43	-5.651	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-9.398	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-7.582	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-8.440	-0.0048	-2.5 to 2.5	Pass

			20	3.27	-11.830	-0.0067	-2.5 to 2.5	Pass
				3.85	-4.964	-0.0028	-2.5 to 2.5	Pass
				4.43	-11.244	-0.0063	-2.5 to 2.5	Pass
	1772.5	75	0	-30	3.85	-6.037	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-6.752	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-5.736	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-12.231	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-8.454	-0.0048	-2.5 to 2.5	Pass

2.1.6 B66_20MHz

Band: 66 / 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	-1.931	-0.0011	-2.5 to 2.5	Pass
					3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
					4.43	-3.862	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-7.868	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
				0	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				10	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-0.615	-0.0004	-2.5 to 2.5	Pass
					3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-7.324	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				10	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				40	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	-2.518	-0.0014	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.861	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-7.453	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-8.883	-0.0050	-2.5 to 2.5	Pass
				0	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				10	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-4.778	-0.0027	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-6.509	-0.0038	-2.5 to 2.5	Pass
					3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
					4.43	-2.217	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-9.828	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass

				30	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-7.124	-0.0041	-2.5 to 2.5	Pass
					3.85	-6.394	-0.0037	-2.5 to 2.5	Pass
					4.43	-6.394	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-7.682	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-7.353	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-9.212	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-8.097	-0.0046	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	-5.550	-0.0031	-2.5 to 2.5	Pass
					3.85	-3.033	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.574	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-5.765	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-3.934	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-6.194	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-6.509	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-0.057	0.0000	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B66_1.4MHz

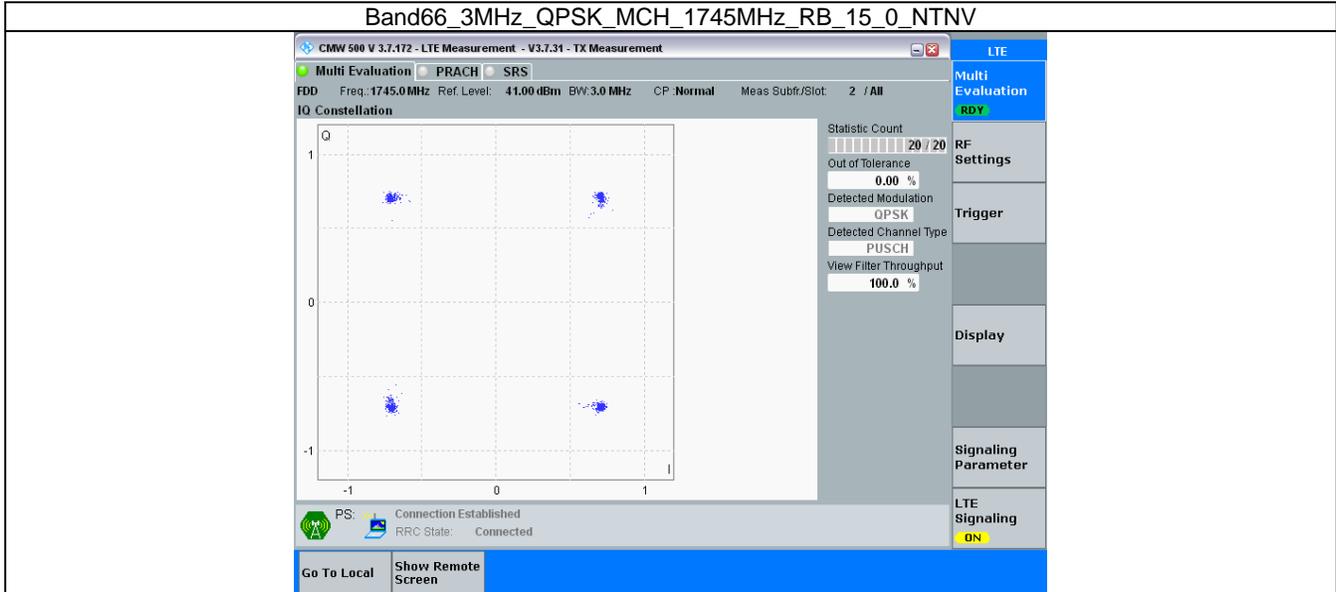|		Band: 66 / Bandwidth: 1.4MHz / NTNV				
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	6	0	Refer To Test Graph		Pass
16QAM	1745	6	0	Refer To Test Graph		Pass

3.1.2 B66_3MHz
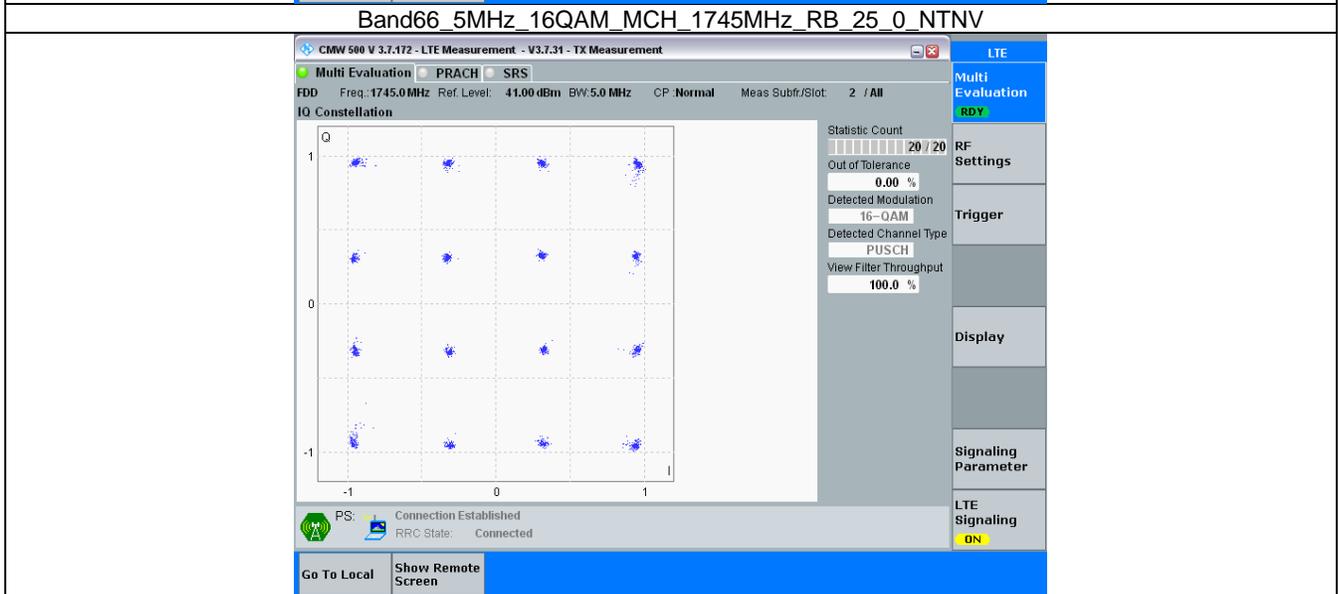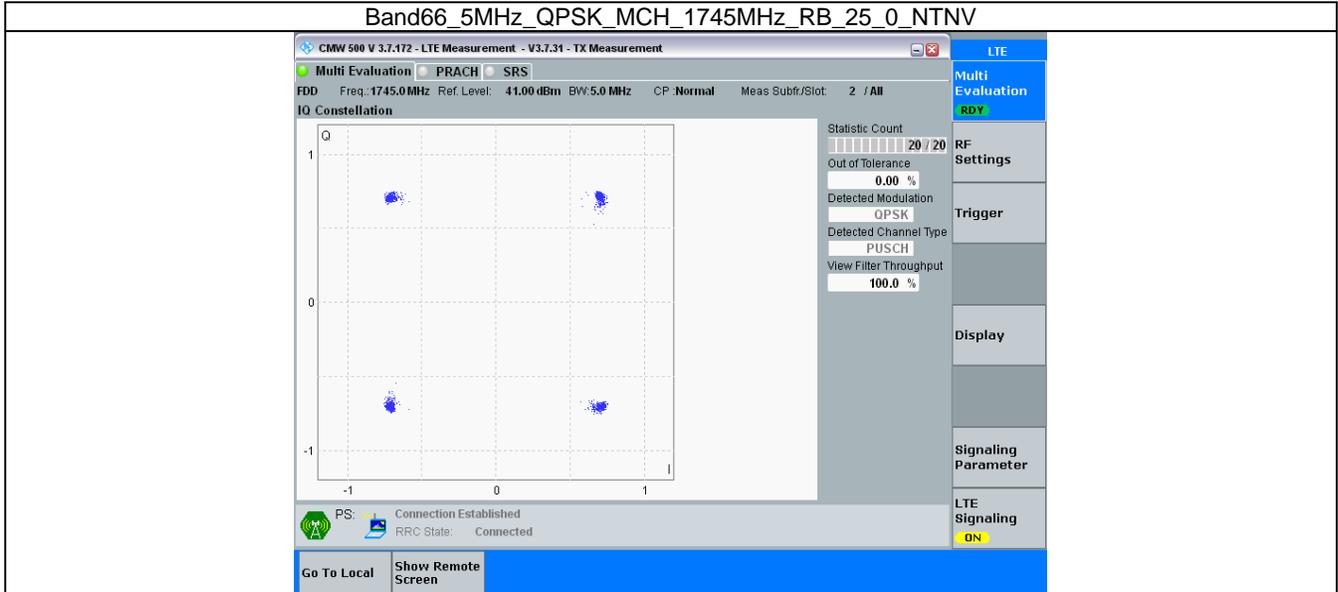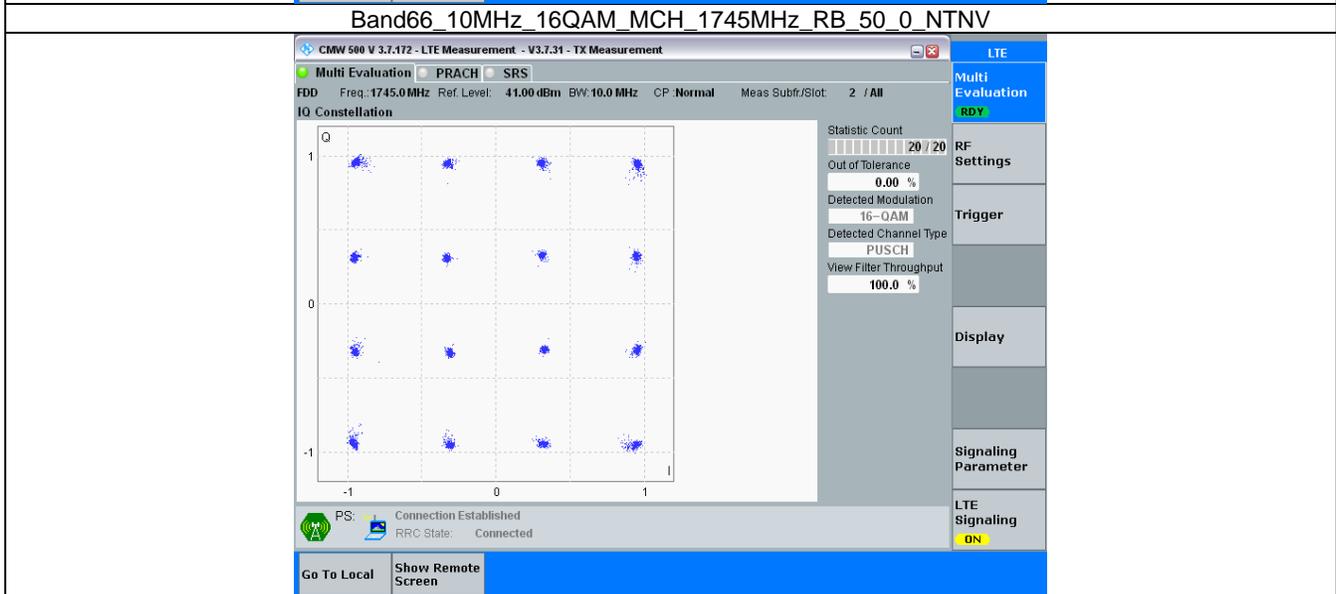
		Band: 66 / Bandwidth: 3MHz / NTNV				
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	15	0	Refer To Test Graph		Pass
16QAM	1745	15	0	Refer To Test Graph		Pass

3.1.3 B66_5MHz

		Band: 66 / Bandwidth: 5MHz / NTNV				
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	25	0	Refer To Test Graph		Pass
16QAM	1745	25	0	Refer To Test Graph		Pass

3.1.4 B66_10MHz

Band: 66 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	50	0	Refer To Test Graph		Pass
16QAM	1745	50	0	Refer To Test Graph		Pass

3.1.5 B66_15MHz

Band: 66 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	75	0	Refer To Test Graph		Pass
16QAM	1745	75	0	Refer To Test Graph		Pass

3.1.6 B66_20MHz

Band: 66 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	100	0	Refer To Test Graph		Pass
16QAM	1745	100	0	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 B66_1.4MHz

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV

3.2.2 B66_3MHz

Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV

3.2.3 B66_5MHz

Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV

3.2.4 B66_10MHz

Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV

3.2.5 B66_15MHz

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV

3.2.6 B66_20MHz

Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV
Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band66_OBW

Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.110	/	Pass
		1745	6	0	1.110	/	Pass
		1779.3	6	0	1.126	/	Pass
	16QAM	1710.7	6	0	1.118	/	Pass
		1745	6	0	1.118	/	Pass
		1779.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.720	/	Pass
		1745	15	0	2.729	/	Pass
		1778.5	15	0	2.715	/	Pass
	16QAM	1711.5	15	0	2.724	/	Pass
		1745	15	0	2.723	/	Pass
		1778.5	15	0	2.724	/	Pass
5	QPSK	1712.5	25	0	4.560	/	Pass
		1745	25	0	4.592	/	Pass
		1777.5	25	0	4.564	/	Pass
	16QAM	1712.5	25	0	4.593	/	Pass
		1745	25	0	4.572	/	Pass
		1777.5	25	0	4.582	/	Pass
10	QPSK	1715	50	0	9.109	/	Pass
		1745	50	0	9.110	/	Pass
		1775	50	0	9.076	/	Pass
	16QAM	1715	50	0	9.071	/	Pass
		1745	50	0	9.080	/	Pass
		1775	50	0	9.065	/	Pass
15	QPSK	1717.5	75	0	13.648	/	Pass
		1745	75	0	13.637	/	Pass
		1772.5	75	0	13.608	/	Pass
	16QAM	1717.5	75	0	13.622	/	Pass
		1745	75	0	13.662	/	Pass
		1772.5	75	0	13.635	/	Pass
20	QPSK	1720	100	0	18.135	/	Pass
		1745	100	0	18.206	/	Pass
		1770	100	0	18.177	/	Pass
	16QAM	1720	100	0	18.157	/	Pass
		1745	100	0	18.140	/	Pass
		1770	100	0	18.184	/	Pass

4.1.2 Band66_XDB
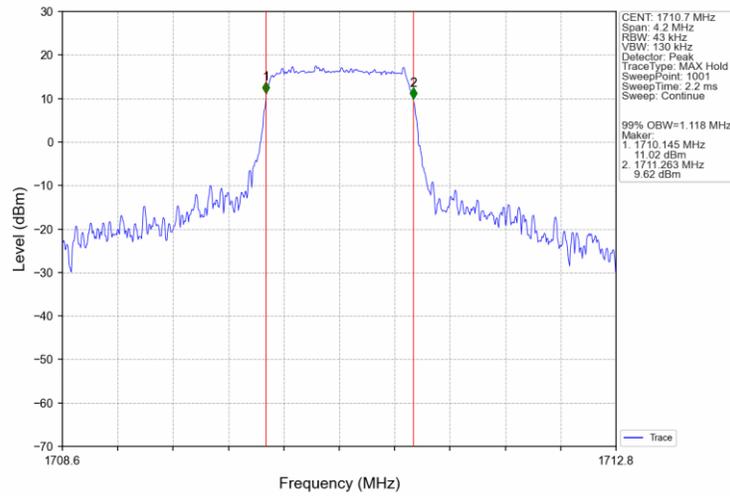
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.314	/	Pass
		1745	6	0	1.362	/	Pass
		1779.3	6	0	1.314	/	Pass

		1710.7	6	0	1.349	/	Pass
	16QAM	1745	6	0	1.332	/	Pass
		1779.3	6	0	1.324	/	Pass
3	QPSK	1711.5	15	0	2.999	/	Pass
		1745	15	0	2.988	/	Pass
		1778.5	15	0	2.984	/	Pass
	16QAM	1711.5	15	0	3.014	/	Pass
		1745	15	0	3.003	/	Pass
		1778.5	15	0	2.980	/	Pass
5	QPSK	1712.5	25	0	5.298	/	Pass
		1745	25	0	5.325	/	Pass
		1777.5	25	0	5.177	/	Pass
	16QAM	1712.5	25	0	5.923	/	Pass
		1745	25	0	5.297	/	Pass
		1777.5	25	0	5.351	/	Pass
10	QPSK	1715	50	0	10.395	/	Pass
		1745	50	0	10.307	/	Pass
		1775	50	0	10.210	/	Pass
	16QAM	1715	50	0	10.199	/	Pass
		1745	50	0	10.347	/	Pass
		1775	50	0	10.214	/	Pass
15	QPSK	1717.5	75	0	15.278	/	Pass
		1745	75	0	15.444	/	Pass
		1772.5	75	0	15.341	/	Pass
	16QAM	1717.5	75	0	15.240	/	Pass
		1745	75	0	15.382	/	Pass
		1772.5	75	0	15.398	/	Pass
20	QPSK	1720	100	0	20.233	/	Pass
		1745	100	0	20.026	/	Pass
		1770	100	0	19.990	/	Pass
	16QAM	1720	100	0	20.145	/	Pass
		1745	100	0	20.064	/	Pass
		1770	100	0	20.089	/	Pass

4.2 Test Graph

4.2.1 Band66_OBW
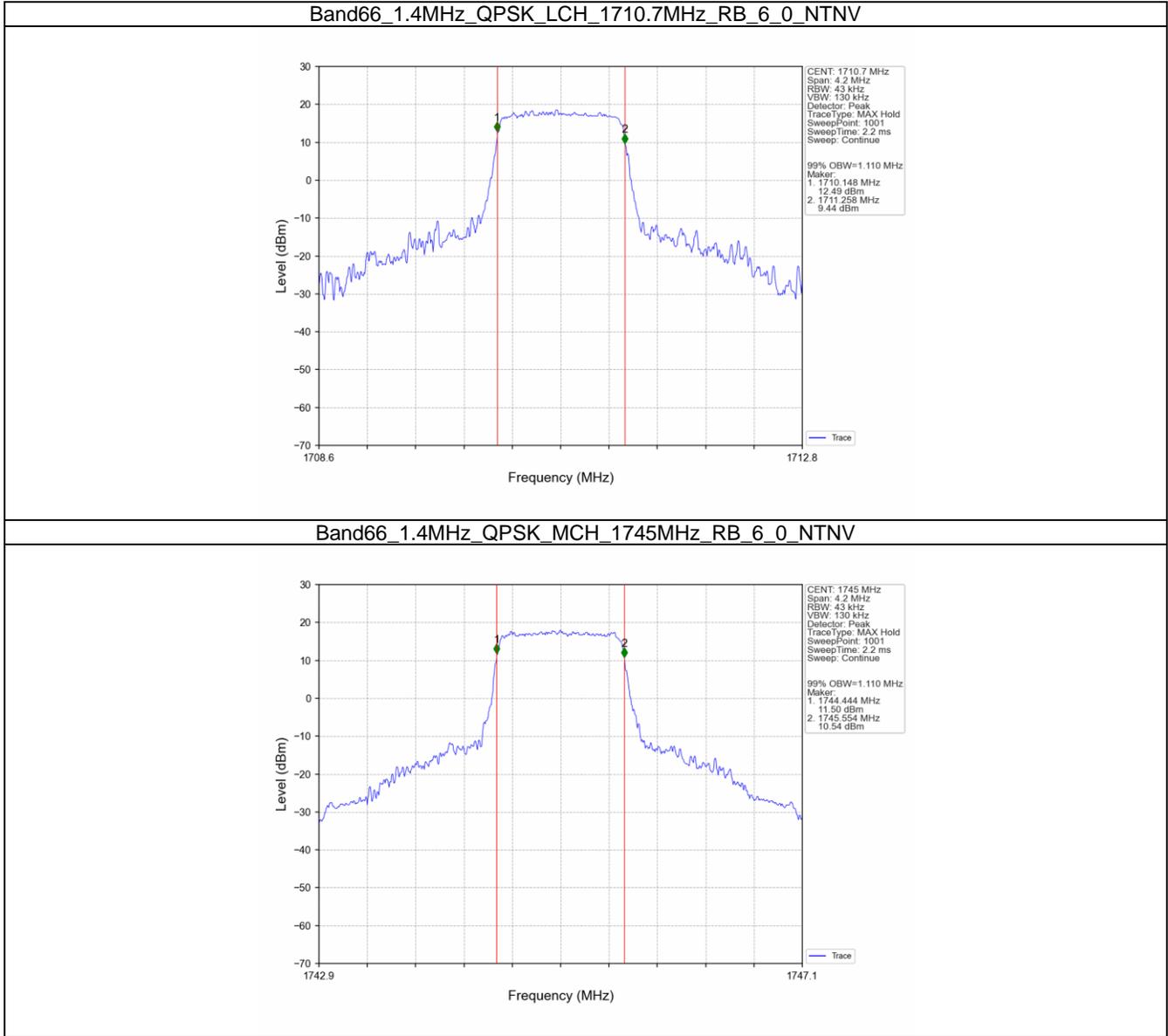
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV
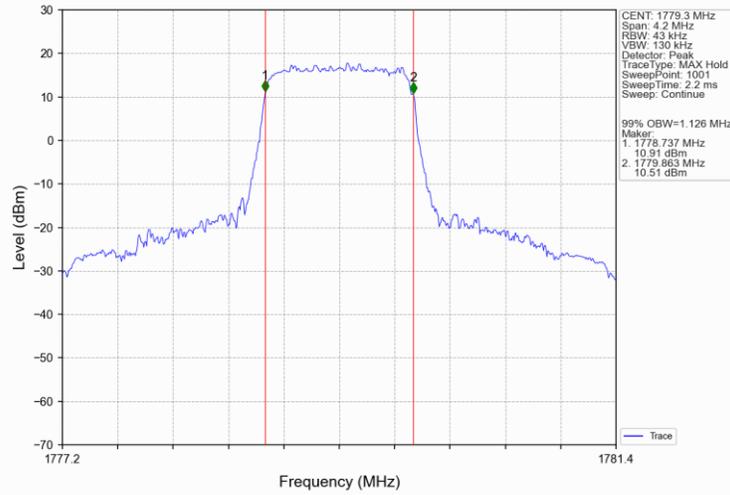
CENT: 1710.7 MHz
Span: 4.2 MHz
RBW: 43 kHz
VBW: 130 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 2.2 ms
Sweep: Continue

99% OBW=1.110 MHz
Maker:
1. 1710.148 MHz
   12.49 dBm
2. 1711.258 MHz
   9.44 dBm

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV

CENT: 1745 MHz
Span: 4.2 MHz
RBW: 43 kHz
VBW: 130 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 2.2 ms
Sweep: Continue

99% OBW=1.110 MHz
Maker:
1. 1744.444 MHz
   11.50 dBm
2. 1745.554 MHz
   10.54 dBm

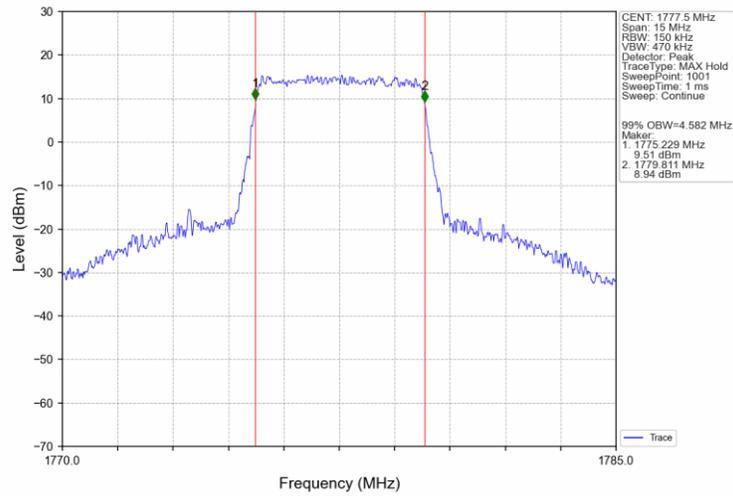Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV
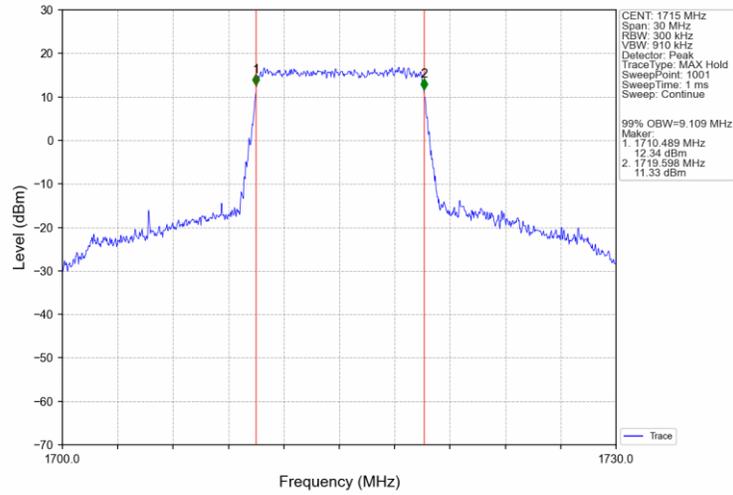

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

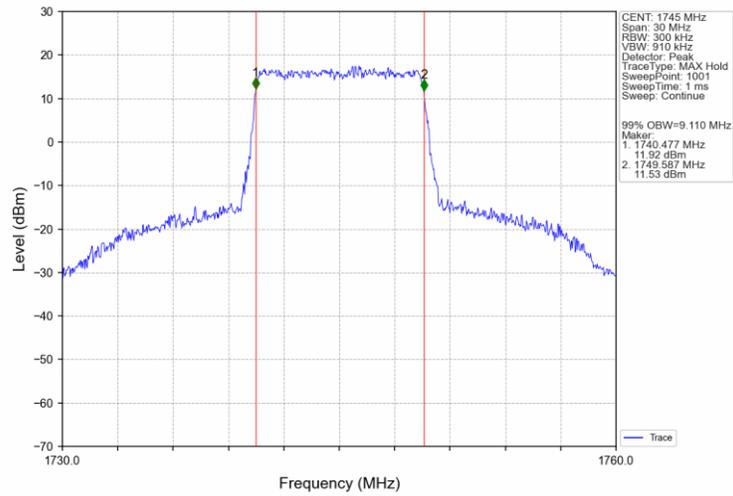Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV
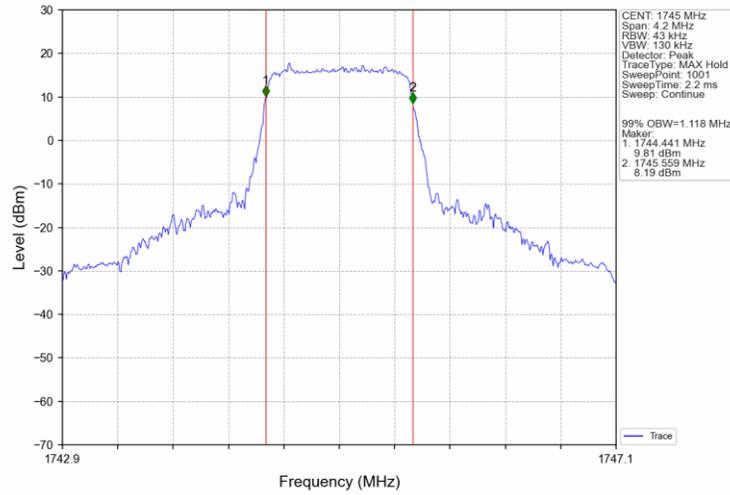
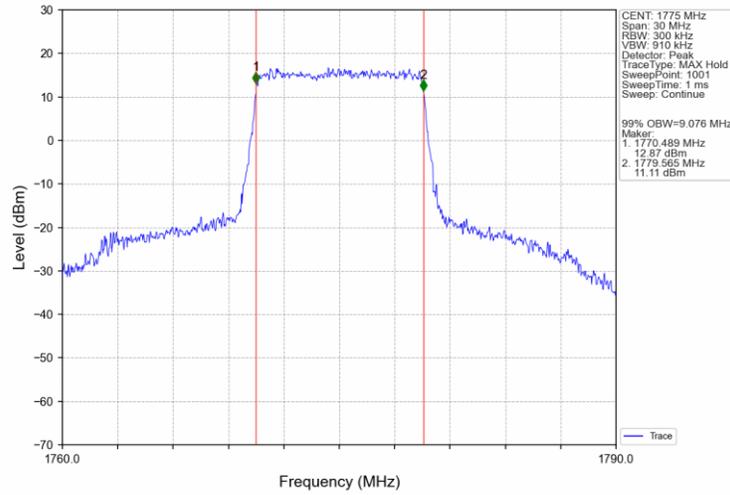
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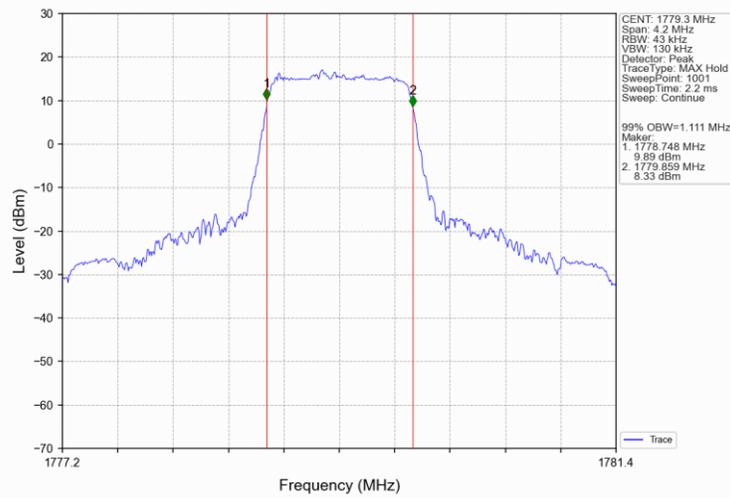
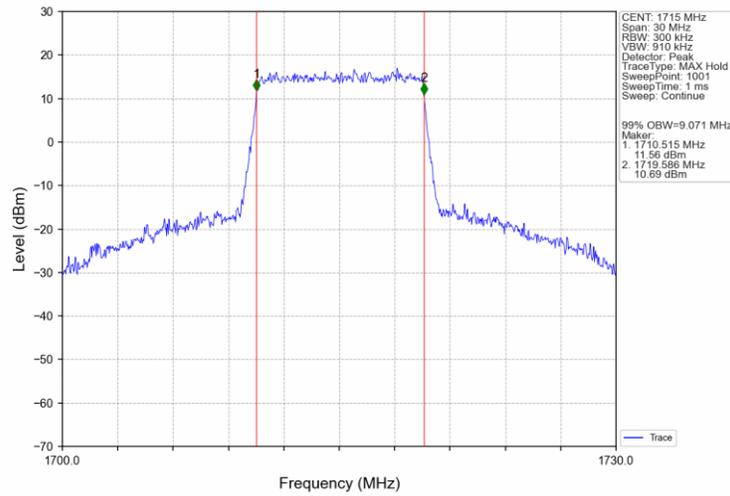Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV
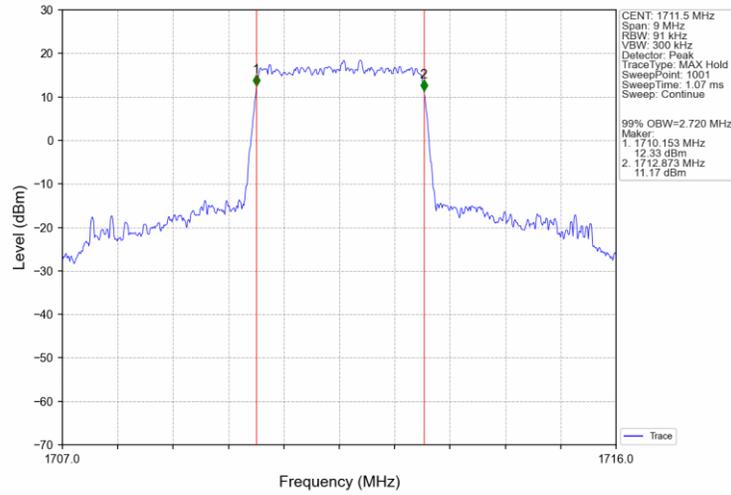
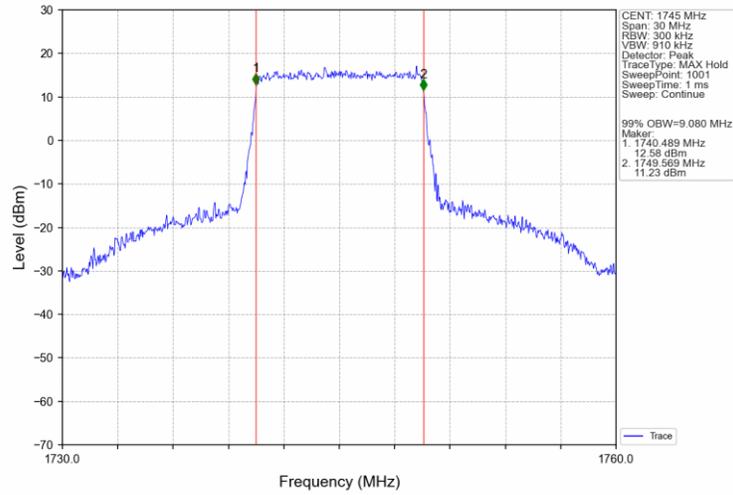Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV
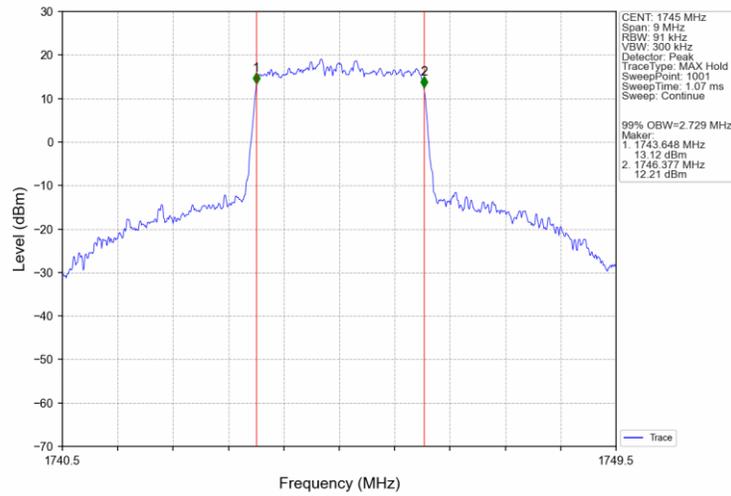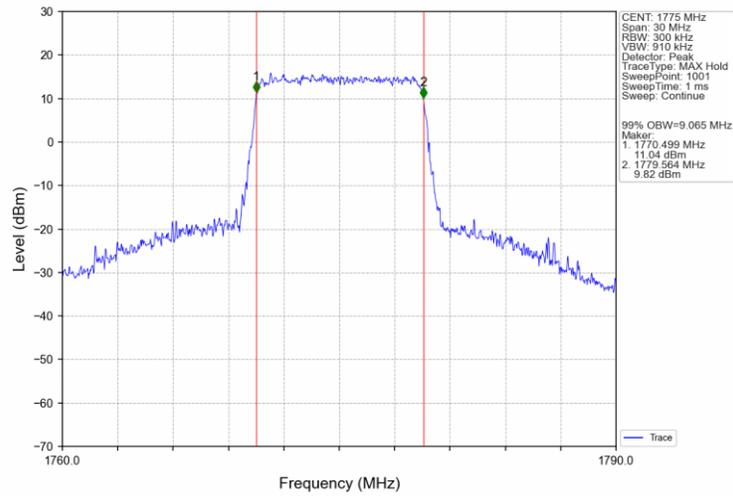
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV
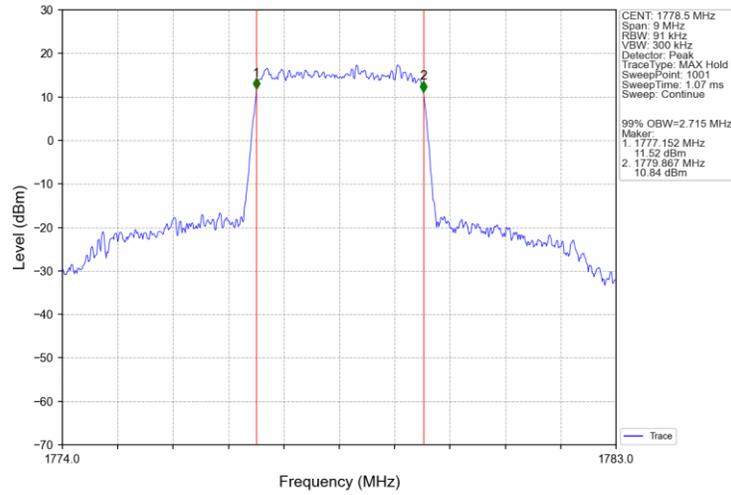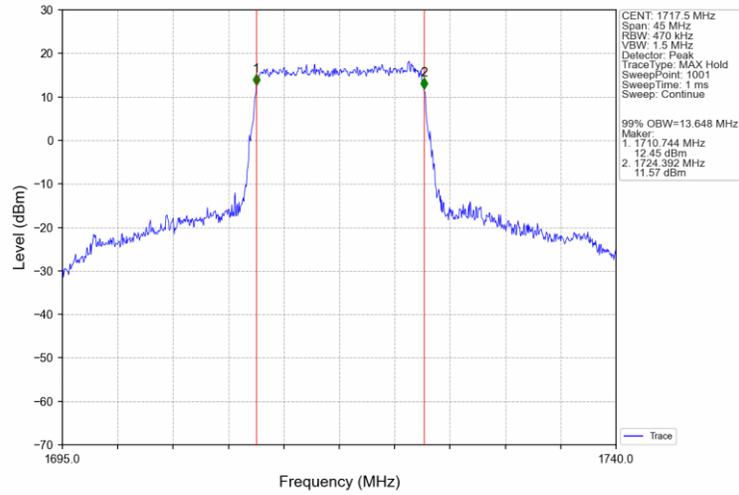

Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV
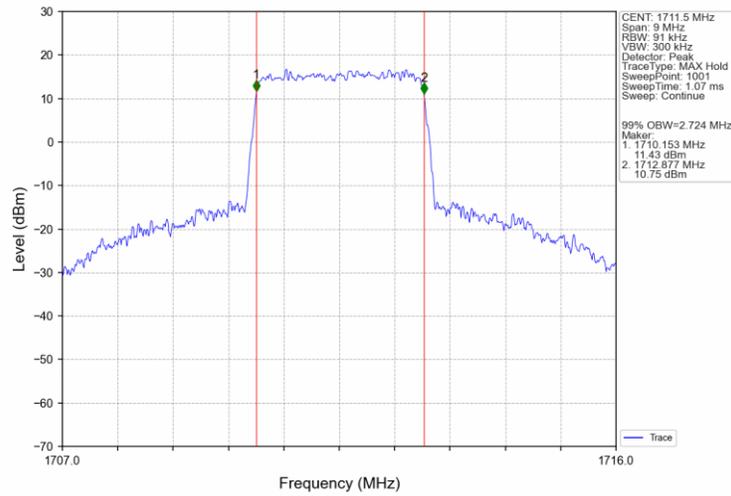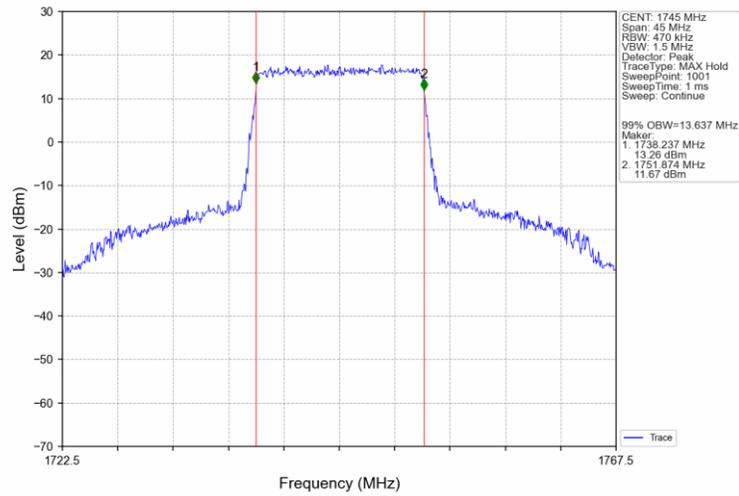
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV
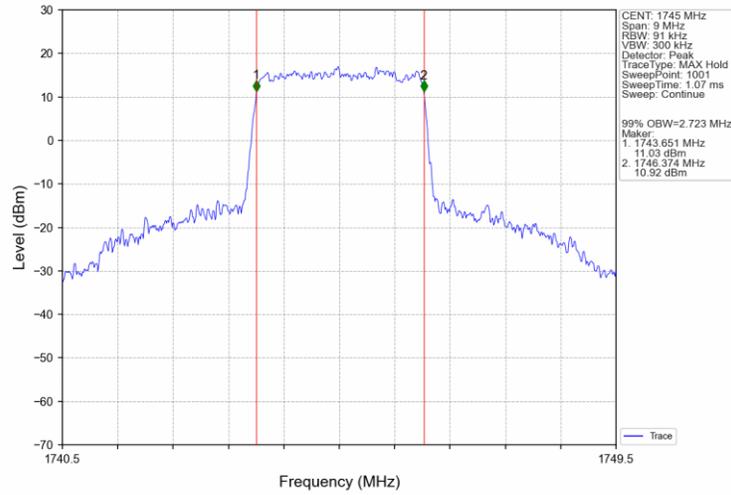
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV
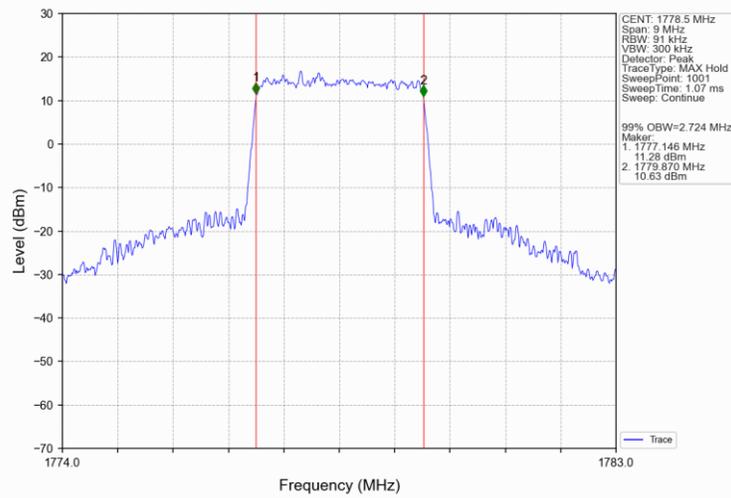
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV
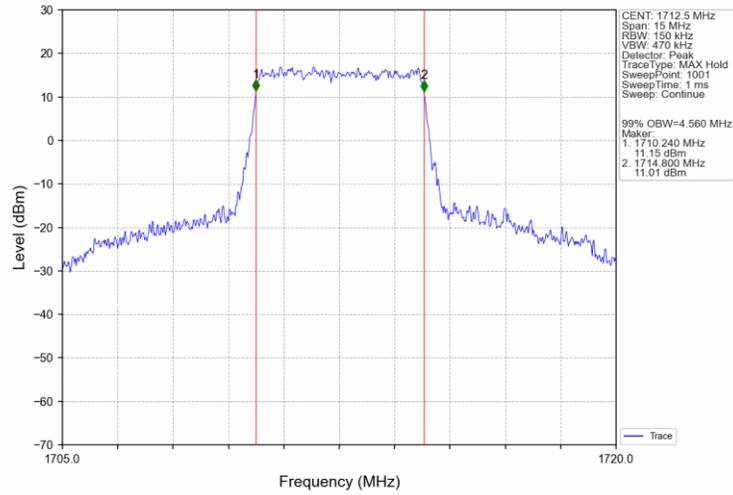
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV
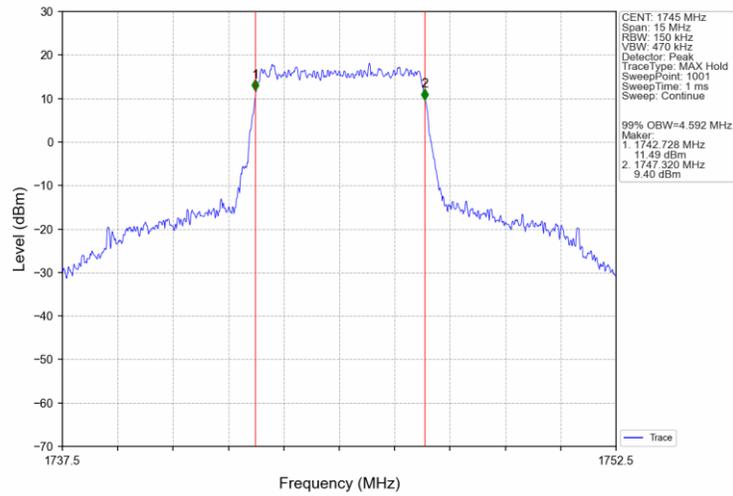
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV

CENT: 1777.5 MHz
Span: 15 MHz
RBW: 150 kHz
VBW: 470 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=4.564 MHz
Maker:
1. 1775.242 MHz
   10.94 dBm
2. 1779.806 MHz
   10.88 dBm
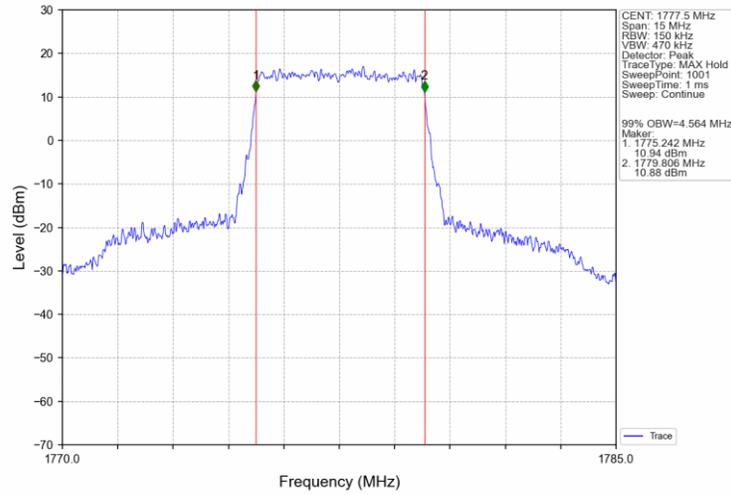
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

CENT: 1712.5 MHz
Span: 15 MHz
RBW: 150 kHz
VBW: 470 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=4.593 MHz
Maker:
1. 1710.213 MHz
   10.03 dBm
2. 1714.806 MHz
   10.10 dBm
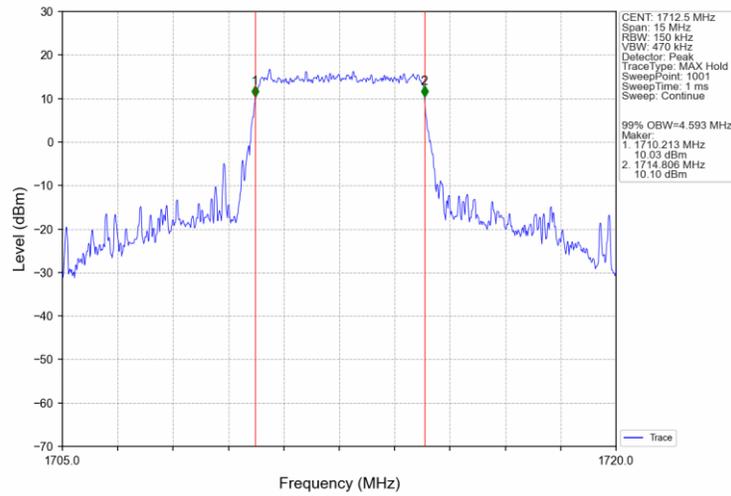
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV
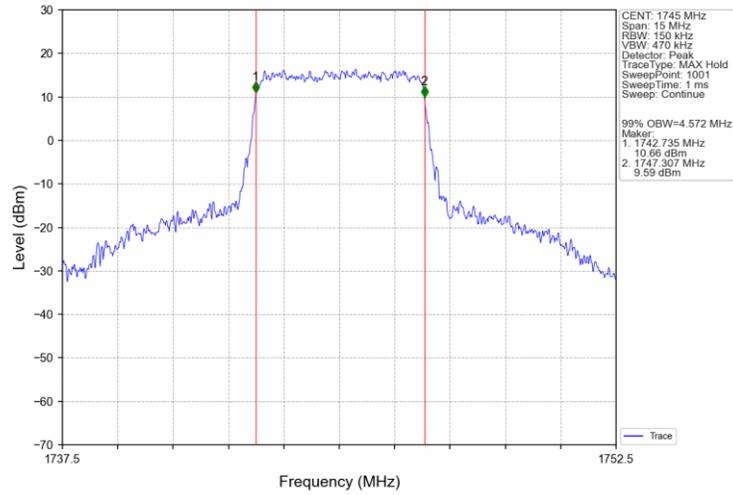
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV

Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

CENT: 1715 MHz
Span: 30 MHz
RBW: 300 kHz
VBW: 910 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=9.109 MHz
Maker:
1. 1710.489 MHz
   12.34 dBm
2. 1719.598 MHz
   11.33 dBm

Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV

CENT: 1745 MHz
Span: 30 MHz
RBW: 300 kHz
VBW: 910 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=9.110 MHz
Maker:
1. 1740.477 MHz
   11.92 dBm
2. 1749.587 MHz
   11.53 dBm

Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV

Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV
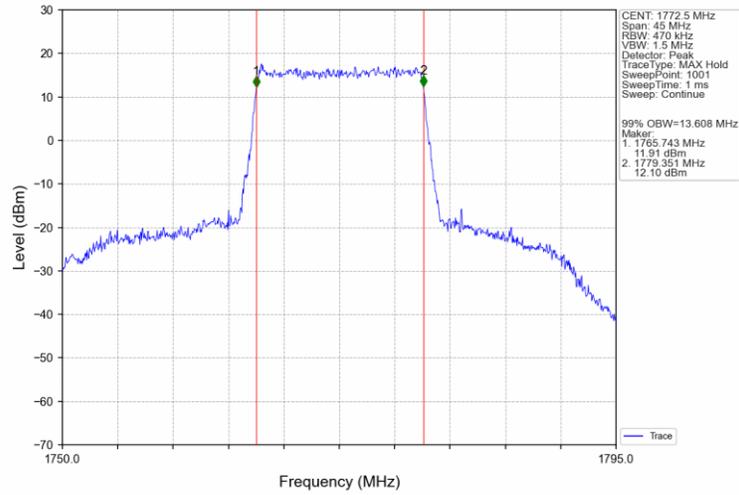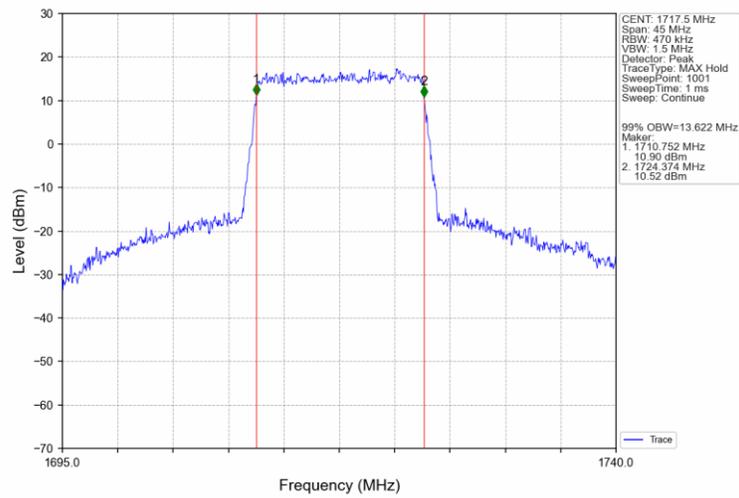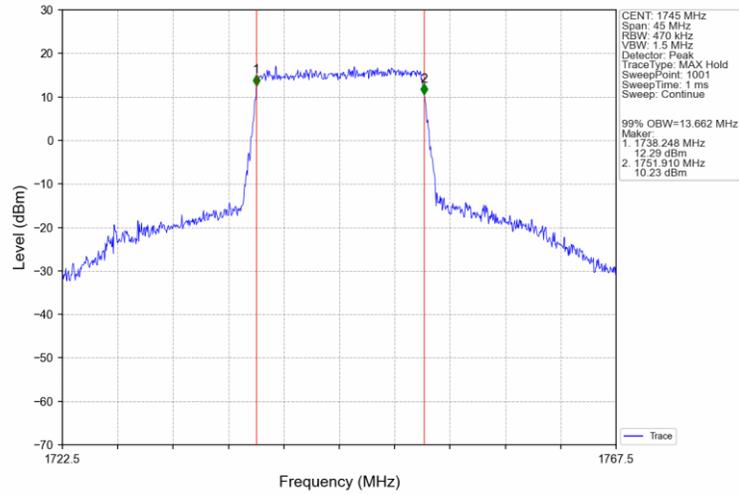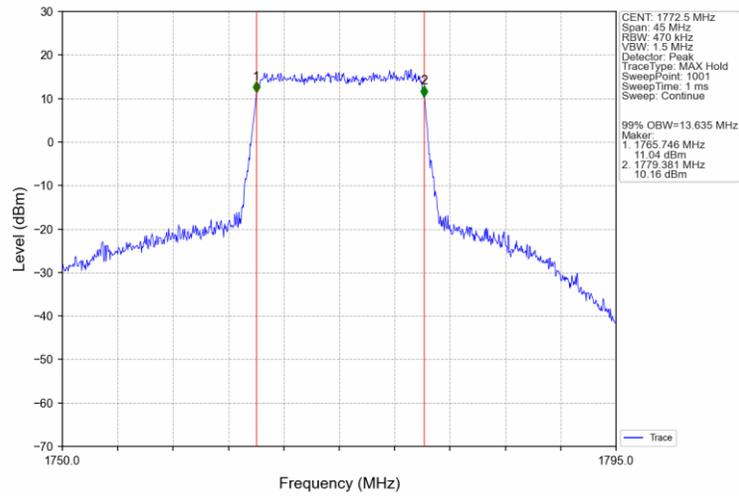
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV

CENT: 1745 MHz
Span: 30 MHz
RBW: 300 kHz
VBW: 910 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=9.080 MHz
Maker:
1. 1740.489 MHz
   12.58 dBm
2. 1749.569 MHz
   11.23 dBm

Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV

CENT: 1775 MHz
Span: 30 MHz
RBW: 300 kHz
VBW: 910 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=9.065 MHz
Maker:
1. 1770.499 MHz
   11.04 dBm
2. 1779.564 MHz
   9.82 dBm

Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV

Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV

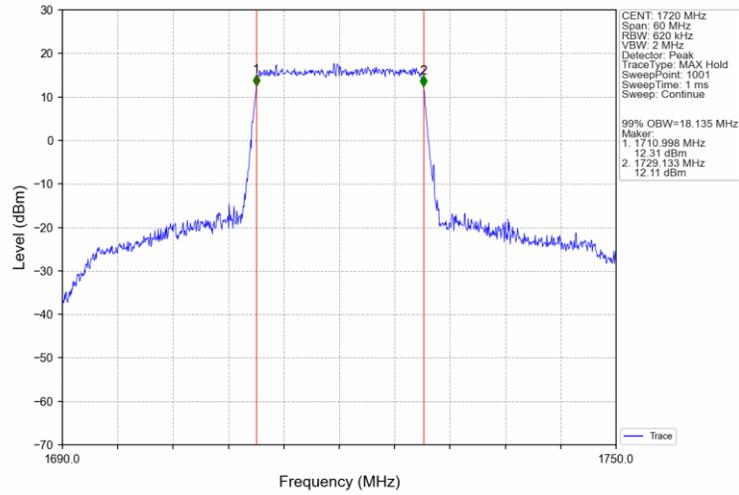Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV
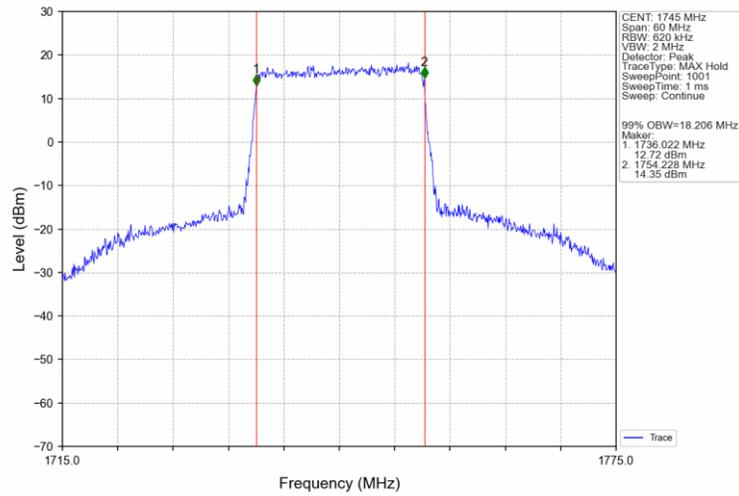
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV

Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV

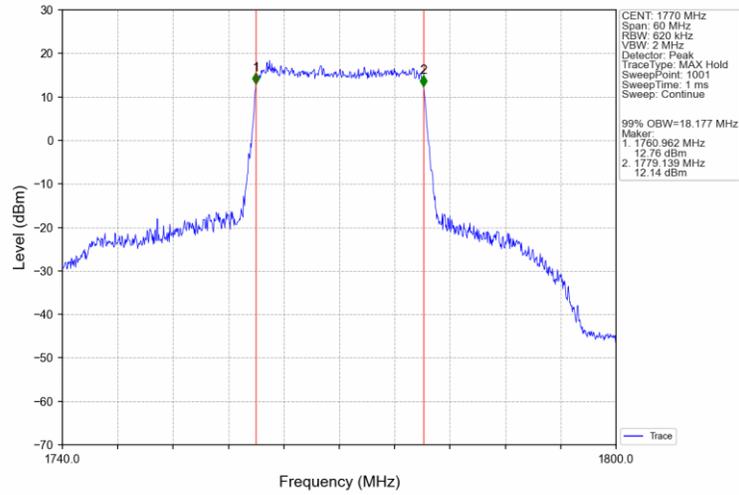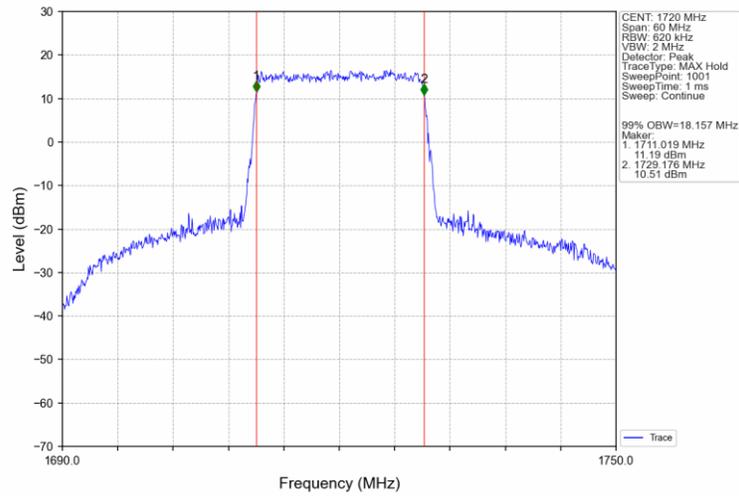Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

CENT: 1720 MHz
Span: 60 MHz
RBW: 620 kHz
VBW: 2 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=18.135 MHz
Maker:
1. 1710.998 MHz
   12.31 dBm
2. 1729.133 MHz
   12.11 dBm

Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV

CENT: 1745 MHz
Span: 60 MHz
RBW: 620 kHz
VBW: 2 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=18.206 MHz
Maker:
1. 1736.022 MHz
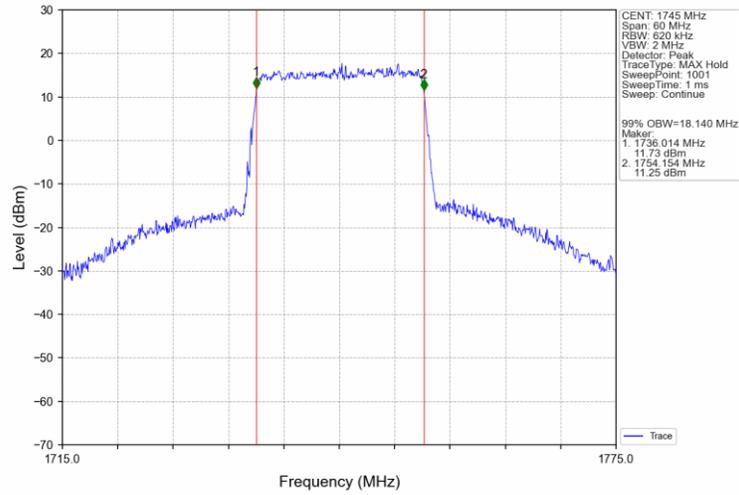   12.72 dBm
2. 1754.228 MHz
   14.35 dBm
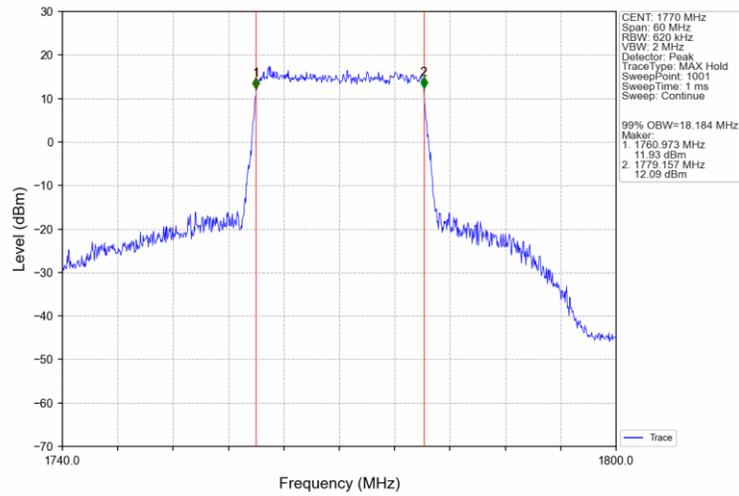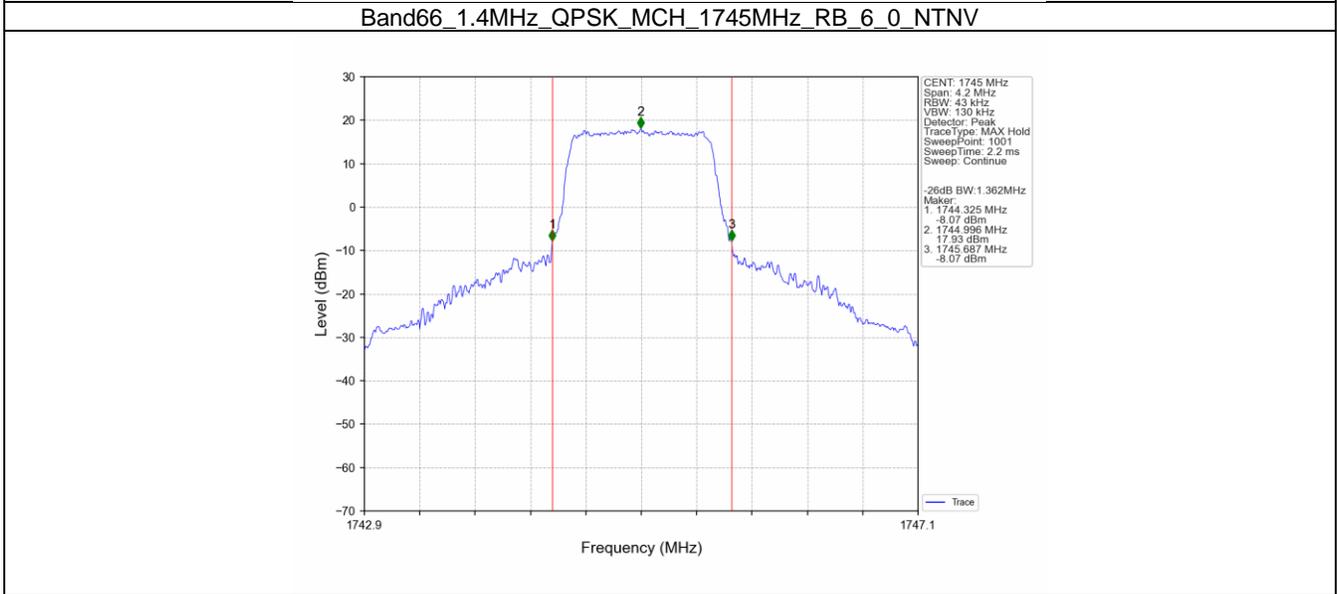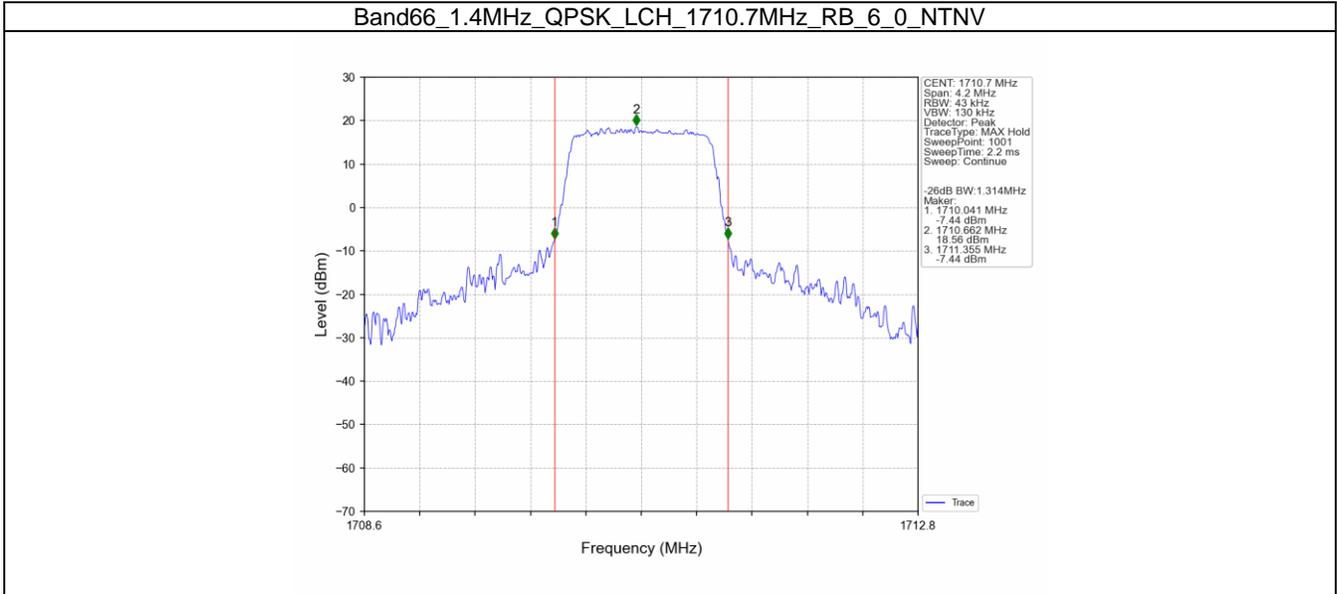
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV

Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV

CENT: 1745 MHz
Span: 60 MHz
RBW: 620 kHz
VBW: 2 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=18.140 MHz
Maker:
1. 1736.014 MHz
   11.73 dBm
2. 1754.154 MHz
   11.25 dBm

Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV

CENT: 1770 MHz
Span: 60 MHz
RBW: 620 kHz
VBW: 2 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=18.184 MHz
Maker:
1. 1760.973 MHz
   11.93 dBm
2. 1779.157 MHz
   12.09 dBm

4.2.2 Band66_XDB

Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

CENT: 1710.7 MHz
Span: 4.2 MHz
RBW: 43 kHz
VBW: 130 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 2.2 ms
Sweep: Continue

-26dB BW:1.314MHz
Maker:
1. 1710.041 MHz
   -7.44 dBm
2. 1710.662 MHz
   18.56 dBm
3. 1711.355 MHz
   -7.44 dBm

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV

CENT: 1745 MHz
Span: 4.2 MHz
RBW: 43 kHz
VBW: 130 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 2.2 ms
Sweep: Continue

-26dB BW:1.362MHz
Maker:
1. 1744.325 MHz
   -8.07 dBm
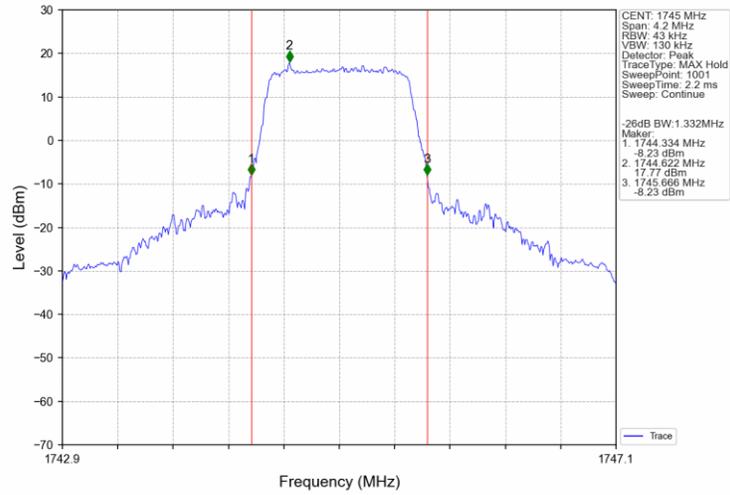2. 1744.996 MHz
   17.93 dBm
3. 1745.687 MHz
   -8.07 dBm

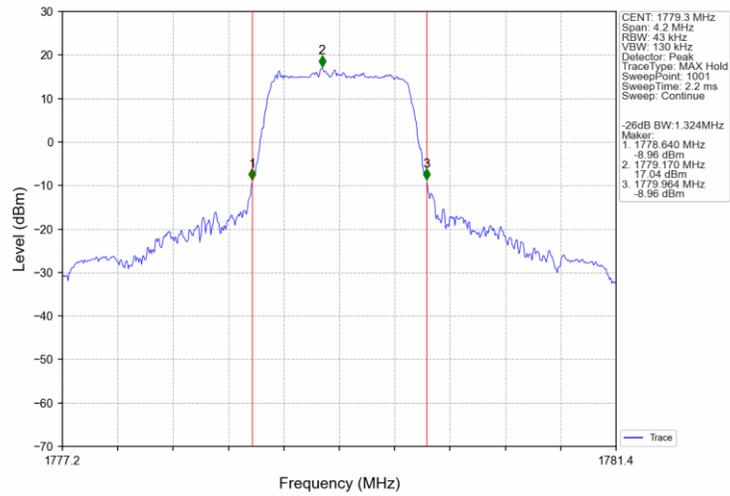Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV

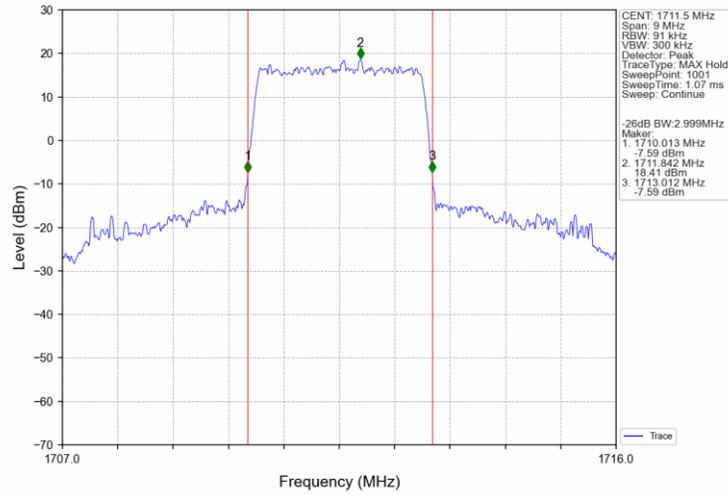Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

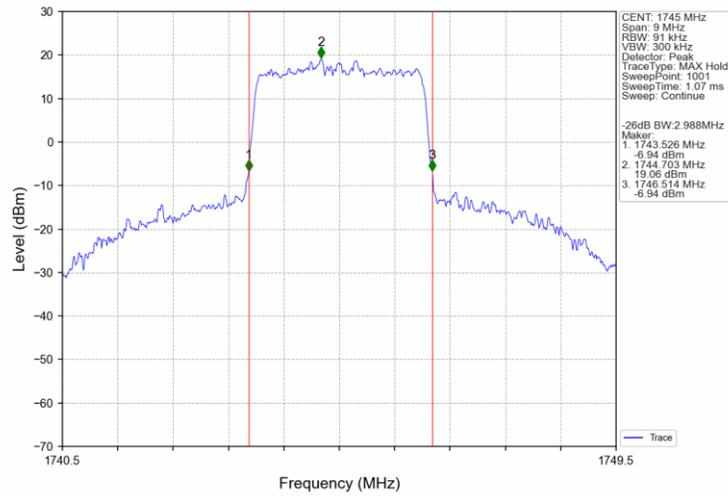## Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV

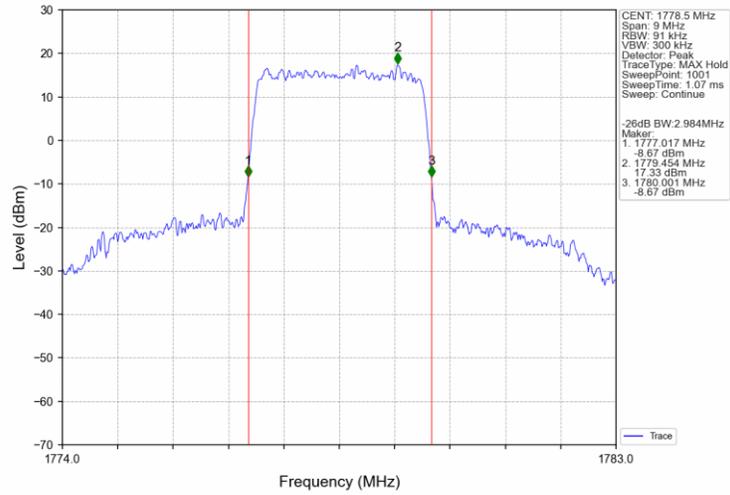## Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV

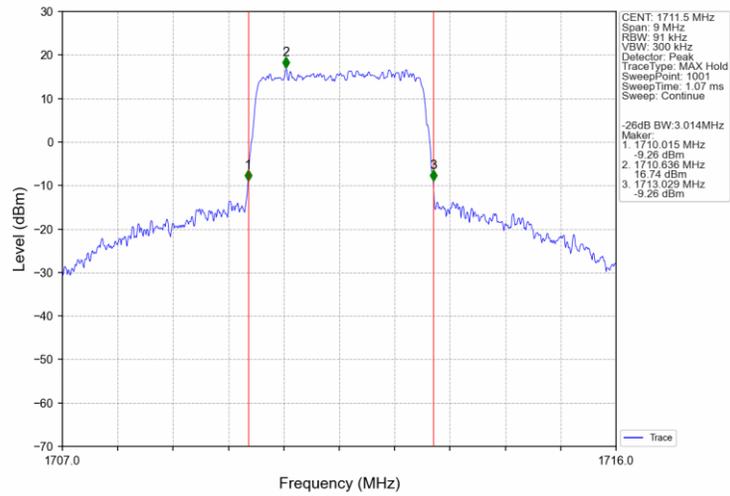### Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV
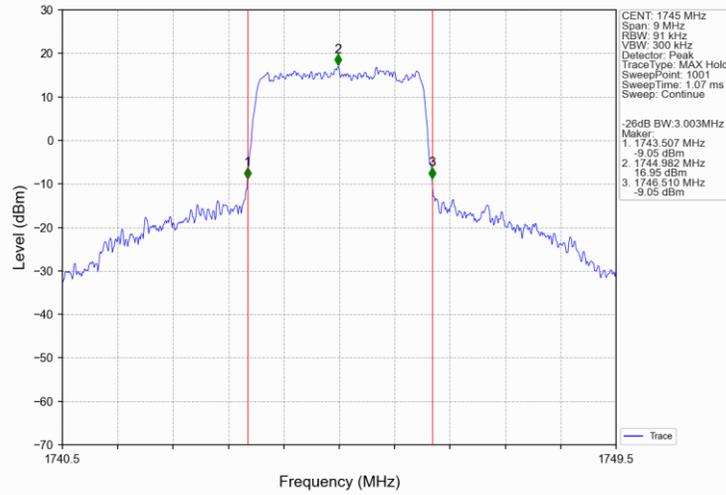

Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV

Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV

Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV

CENT: 1745 MHz
Span: 9 MHz
RBW: 91 kHz
VBW: 300 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.07 ms
Sweep: Continue

-26dB BW:3.003MHz
Maker:
1. 1743.507 MHz
 -9.05 dBm
2. 1744.982 MHz
 16.95 dBm
3. 1746.510 MHz
 -9.05 dBm

Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV

CENT: 1778.5 MHz
Span: 9 MHz
RBW: 91 kHz
VBW: 300 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.07 ms
Sweep: Continue

-26dB BW:2.980MHz
Maker:
1. 1777.018 MHz
 -9.26 dBm
2. 1777.879 MHz
 16.74 dBm
3. 1779.998 MHz
 -9.26 dBm