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	22.45	2.16	24.61	<=30	Pass
			2	22.48	2.16	24.64	<=30	Pass
			5	22.45	2.16	24.61	<=30	Pass
		3	0	22.55	2.16	24.71	<=30	Pass
			2	22.57	2.16	24.73	<=30	Pass
			3	22.56	2.16	24.72	<=30	Pass
		6	0	21.52	2.16	23.68	<=30	Pass
	1745	1	0	22.42	2.16	24.58	<=30	Pass
			2	22.35	2.16	24.51	<=30	Pass
			5	22.04	2.16	24.20	<=30	Pass
		3	0	22.55	2.16	24.71	<=30	Pass
			2	22.51	2.16	24.67	<=30	Pass
			3	22.51	2.16	24.67	<=30	Pass
		6	0	21.53	2.16	23.69	<=30	Pass
	1779.3	1	0	22.49	2.16	24.65	<=30	Pass
			2	22.54	2.16	24.70	<=30	Pass
			5	22.45	2.16	24.61	<=30	Pass
		3	0	22.56	2.16	24.72	<=30	Pass
			2	22.60	2.16	24.76	<=30	Pass
			3	22.56	2.16	24.72	<=30	Pass
		6	0	21.52	2.16	23.68	<=30	Pass
16QAM	1710.7	1	0	21.53	2.16	23.69	<=30	Pass
			2	21.40	2.16	23.56	<=30	Pass
			5	21.38	2.16	23.54	<=30	Pass
		3	0	21.62	2.16	23.78	<=30	Pass
			2	21.62	2.16	23.78	<=30	Pass
			3	21.61	2.16	23.77	<=30	Pass
		6	0	20.49	2.16	22.65	<=30	Pass
	1745	1	0	21.09	2.16	23.25	<=30	Pass
			2	21.15	2.16	23.31	<=30	Pass
			5	21.15	2.16	23.31	<=30	Pass
		3	0	21.53	2.16	23.69	<=30	Pass
			2	21.47	2.16	23.63	<=30	Pass
			3	21.46	2.16	23.62	<=30	Pass
		6	0	20.60	2.16	22.76	<=30	Pass
	1779.3	1	0	21.68	2.16	23.84	<=30	Pass
			2	21.68	2.16	23.84	<=30	Pass
			5	21.68	2.16	23.84	<=30	Pass
		3	0	21.65	2.16	23.81	<=30	Pass
			2	21.62	2.16	23.78	<=30	Pass
			3	21.63	2.16	23.79	<=30	Pass
		6	0	20.50	2.16	22.66	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B66_3MHz_EIRP

Band: 66 / 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	22.39	2.16	24.55	<=30	Pass
			7	22.41	2.16	24.57	<=30	Pass
			14	22.45	2.16	24.61	<=30	Pass
		8	0	21.41	2.16	23.57	<=30	Pass
			4	21.41	2.16	23.57	<=30	Pass
			7	21.48	2.16	23.64	<=30	Pass
		15	0	21.45	2.16	23.61	<=30	Pass
	1745	1	0	22.37	2.16	24.53	<=30	Pass
			7	22.46	2.16	24.62	<=30	Pass
			14	22.42	2.16	24.58	<=30	Pass
		8	0	21.42	2.16	23.58	<=30	Pass
			4	21.36	2.16	23.52	<=30	Pass
			7	21.34	2.16	23.50	<=30	Pass
		15	0	21.33	2.16	23.49	<=30	Pass
	1778.5	1	0	22.45	2.16	24.61	<=30	Pass
			7	22.46	2.16	24.62	<=30	Pass
			14	22.41	2.16	24.57	<=30	Pass
		8	0	21.52	2.16	23.68	<=30	Pass
			4	21.51	2.16	23.67	<=30	Pass
			7	21.51	2.16	23.67	<=30	Pass
		15	0	21.51	2.16	23.67	<=30	Pass
16QAM	1711.5	1	0	21.63	2.16	23.79	<=30	Pass
			7	21.64	2.16	23.80	<=30	Pass
			14	21.65	2.16	23.81	<=30	Pass
		8	0	20.42	2.16	22.58	<=30	Pass
			4	20.41	2.16	22.57	<=30	Pass
			7	20.48	2.16	22.64	<=30	Pass
		15	0	20.47	2.16	22.63	<=30	Pass
	1745	1	0	21.50	2.16	23.66	<=30	Pass
			7	21.48	2.16	23.64	<=30	Pass
			14	21.42	2.16	23.58	<=30	Pass
		8	0	20.59	2.16	22.75	<=30	Pass
			4	20.50	2.16	22.66	<=30	Pass
			7	20.52	2.16	22.68	<=30	Pass
		15	0	20.39	2.16	22.55	<=30	Pass
	1778.5	1	0	21.65	2.16	23.81	<=30	Pass
			7	21.67	2.16	23.83	<=30	Pass
			14	21.66	2.16	23.82	<=30	Pass
		8	0	20.70	2.16	22.86	<=30	Pass
			4	20.70	2.16	22.86	<=30	Pass
			7	20.71	2.16	22.87	<=30	Pass
		15	0	20.54	2.16	22.70	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B66_5MHz_EIRP

Band: 66 / 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	22.56	2.16	24.72	<=30	Pass
			13	22.59	2.16	24.75	<=30	Pass
			24	22.64	2.16	24.80	<=30	Pass
		12	0	21.50	2.16	23.66	<=30	Pass
			6	21.53	2.16	23.69	<=30	Pass
			13	21.55	2.16	23.71	<=30	Pass
		25	0	21.52	2.16	23.68	<=30	Pass
	1745	1	0	22.49	2.16	24.65	<=30	Pass
			13	22.46	2.16	24.62	<=30	Pass
			24	22.48	2.16	24.64	<=30	Pass
		12	0	21.50	2.16	23.66	<=30	Pass
			6	21.45	2.16	23.61	<=30	Pass
			13	21.35	2.16	23.51	<=30	Pass
		25	0	21.40	2.16	23.56	<=30	Pass
	1777.5	1	0	22.37	2.16	24.53	<=30	Pass
			13	22.34	2.16	24.50	<=30	Pass
			24	22.44	2.16	24.60	<=30	Pass
		12	0	21.51	2.16	23.67	<=30	Pass
			6	21.51	2.16	23.67	<=30	Pass
			13	21.52	2.16	23.68	<=30	Pass
		25	0	21.55	2.16	23.71	<=30	Pass
16QAM	1712.5	1	0	21.78	2.16	23.94	<=30	Pass
			13	21.82	2.16	23.98	<=30	Pass
			24	21.88	2.16	24.04	<=30	Pass
		12	0	20.44	2.16	22.60	<=30	Pass
			6	20.46	2.16	22.62	<=30	Pass
			13	20.49	2.16	22.65	<=30	Pass
		25	0	20.55	2.16	22.71	<=30	Pass
	1745	1	0	21.64	2.16	23.80	<=30	Pass
			13	21.56	2.16	23.72	<=30	Pass
			24	21.57	2.16	23.73	<=30	Pass
		12	0	20.43	2.16	22.59	<=30	Pass
			6	20.40	2.16	22.56	<=30	Pass
			13	20.34	2.16	22.50	<=30	Pass
		25	0	20.39	2.16	22.55	<=30	Pass
	1777.5	1	0	21.35	2.16	23.51	<=30	Pass
			13	21.26	2.16	23.42	<=30	Pass
			24	21.24	2.16	23.40	<=30	Pass
		12	0	20.57	2.16	22.73	<=30	Pass
			6	20.54	2.16	22.70	<=30	Pass
			13	20.58	2.16	22.74	<=30	Pass
		25	0	20.53	2.16	22.69	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B66_10MHz_EIRP

Band: 66 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	22.43	2.16	24.59	<=30	Pass
			25	22.50	2.16	24.66	<=30	Pass
			49	22.49	2.16	24.65	<=30	Pass
		25	0	21.49	2.16	23.65	<=30	Pass
			13	21.56	2.16	23.72	<=30	Pass
			25	21.67	2.16	23.83	<=30	Pass
		50	0	21.57	2.16	23.73	<=30	Pass
	1745	1	0	22.01	2.16	24.17	<=30	Pass
			25	22.01	2.16	24.17	<=30	Pass
			49	21.90	2.16	24.06	<=30	Pass
		25	0	21.45	2.16	23.61	<=30	Pass
			13	21.40	2.16	23.56	<=30	Pass
			25	21.44	2.16	23.60	<=30	Pass
		50	0	21.46	2.16	23.62	<=30	Pass
	1775	1	0	21.90	2.16	24.06	<=30	Pass
			25	21.99	2.16	24.15	<=30	Pass
			49	21.95	2.16	24.11	<=30	Pass
		25	0	21.48	2.16	23.64	<=30	Pass
			13	21.52	2.16	23.68	<=30	Pass
			25	21.57	2.16	23.73	<=30	Pass
		50	0	21.56	2.16	23.72	<=30	Pass
16QAM	1715	1	0	21.22	2.16	23.38	<=30	Pass
			25	21.25	2.16	23.41	<=30	Pass
			49	21.20	2.16	23.36	<=30	Pass
		25	0	20.50	2.16	22.66	<=30	Pass
			13	20.55	2.16	22.71	<=30	Pass
			25	20.67	2.16	22.83	<=30	Pass
		50	0	20.53	2.16	22.69	<=30	Pass
	1745	1	0	21.04	2.16	23.20	<=30	Pass
			25	21.07	2.16	23.23	<=30	Pass
			49	20.91	2.16	23.07	<=30	Pass
		25	0	20.53	2.16	22.69	<=30	Pass
			13	20.47	2.16	22.63	<=30	Pass
			25	20.47	2.16	22.63	<=30	Pass
		50	0	20.46	2.16	22.62	<=30	Pass
	1775	1	0	21.06	2.16	23.22	<=30	Pass
			25	21.19	2.16	23.35	<=30	Pass
			49	21.15	2.16	23.31	<=30	Pass
		25	0	20.53	2.16	22.69	<=30	Pass
			13	20.54	2.16	22.70	<=30	Pass
			25	20.65	2.16	22.81	<=30	Pass
		50	0	20.56	2.16	22.72	<=30	Pass
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	21.87	2.16	24.03	<=30	Pass
			38	21.98	2.16	24.14	<=30	Pass
			74	21.90	2.16	24.06	<=30	Pass
		36	0	21.40	2.16	23.56	<=30	Pass
			18	21.54	2.16	23.70	<=30	Pass
			39	21.59	2.16	23.75	<=30	Pass
		75	0	21.58	2.16	23.74	<=30	Pass
	1745	1	0	22.01	2.16	24.17	<=30	Pass
			38	21.97	2.16	24.13	<=30	Pass
			74	21.78	2.16	23.94	<=30	Pass
		36	0	21.46	2.16	23.62	<=30	Pass
			18	21.39	2.16	23.55	<=30	Pass
			39	21.41	2.16	23.57	<=30	Pass
		75	0	21.48	2.16	23.64	<=30	Pass
	1772.5	1	0	21.83	2.16	23.99	<=30	Pass
			38	21.94	2.16	24.10	<=30	Pass
			74	21.90	2.16	24.06	<=30	Pass
		36	0	21.43	2.16	23.59	<=30	Pass
			18	21.45	2.16	23.61	<=30	Pass
			39	21.53	2.16	23.69	<=30	Pass
		75	0	21.50	2.16	23.66	<=30	Pass
16QAM	1717.5	1	0	21.40	2.16	23.56	<=30	Pass
			38	21.52	2.16	23.68	<=30	Pass
			74	21.44	2.16	23.60	<=30	Pass
		36	0	20.41	2.16	22.57	<=30	Pass
			18	20.52	2.16	22.68	<=30	Pass
			39	20.55	2.16	22.71	<=30	Pass
		75	0	20.54	2.16	22.70	<=30	Pass
	1745	1	0	21.02	2.16	23.18	<=30	Pass
			38	21.02	2.16	23.18	<=30	Pass
			74	20.84	2.16	23.00	<=30	Pass
		36	0	20.46	2.16	22.62	<=30	Pass
			18	20.41	2.16	22.57	<=30	Pass
			39	20.37	2.16	22.53	<=30	Pass
		75	0	20.46	2.16	22.62	<=30	Pass
	1772.5	1	0	21.00	2.16	23.16	<=30	Pass
			38	21.18	2.16	23.34	<=30	Pass
			74	21.12	2.16	23.28	<=30	Pass
		36	0	20.47	2.16	22.63	<=30	Pass
			18	20.46	2.16	22.62	<=30	Pass
			39	20.54	2.16	22.70	<=30	Pass
		75	0	20.47	2.16	22.63	<=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	21.90	2.16	24.06	<=30	Pass
			50	22.10	2.16	24.26	<=30	Pass
			99	22.05	2.16	24.21	<=30	Pass
		50	0	21.34	2.16	23.50	<=30	Pass
			25	21.61	2.16	23.77	<=30	Pass
			50	21.71	2.16	23.87	<=30	Pass
		100	0	21.58	2.16	23.74	<=30	Pass
	1745	1	0	21.90	2.16	24.06	<=30	Pass
			50	21.93	2.16	24.09	<=30	Pass
			99	21.69	2.16	23.85	<=30	Pass
		50	0	21.54	2.16	23.70	<=30	Pass
			25	21.48	2.16	23.64	<=30	Pass
			50	21.49	2.16	23.65	<=30	Pass
		100	0	21.52	2.16	23.68	<=30	Pass
	1770	1	0	21.71	2.16	23.87	<=30	Pass
			50	21.96	2.16	24.12	<=30	Pass
			99	21.94	2.16	24.10	<=30	Pass
		50	0	21.44	2.16	23.60	<=30	Pass
			25	21.44	2.16	23.60	<=30	Pass
			50	21.51	2.16	23.67	<=30	Pass
		100	0	21.51	2.16	23.67	<=30	Pass
16QAM	1720	1	0	21.12	2.16	23.28	<=30	Pass
			50	21.28	2.16	23.44	<=30	Pass
			99	21.27	2.16	23.43	<=30	Pass
		50	0	20.35	2.16	22.51	<=30	Pass
			25	20.60	2.16	22.76	<=30	Pass
			50	20.72	2.16	22.88	<=30	Pass
		100	0	20.61	2.16	22.77	<=30	Pass
	1745	1	0	21.34	2.16	23.50	<=30	Pass
			50	21.41	2.16	23.57	<=30	Pass
			99	21.15	2.16	23.31	<=30	Pass
		50	0	20.54	2.16	22.70	<=30	Pass
			25	20.46	2.16	22.62	<=30	Pass
			50	20.47	2.16	22.63	<=30	Pass
		100	0	20.49	2.16	22.65	<=30	Pass
	1770	1	0	20.93	2.16	23.09	<=30	Pass
			50	21.15	2.16	23.31	<=30	Pass
			99	21.17	2.16	23.33	<=30	Pass
		50	0	20.48	2.16	22.64	<=30	Pass
			25	20.47	2.16	22.63	<=30	Pass
			50	20.51	2.16	22.67	<=30	Pass
		100	0	20.49	2.16	22.65	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B66_1.4MHz

Band: 66 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-3.691	-0.0022	-2.5 to 2.5	Pass
					3.85	10.428	0.0061	-2.5 to 2.5	Pass
					4.43	8.254	0.0048	-2.5 to 2.5	Pass
				-30	3.85	9.398	0.0055	-2.5 to 2.5	Pass
				-20	3.85	4.420	0.0026	-2.5 to 2.5	Pass
				-10	3.85	18.969	0.0111	-2.5 to 2.5	Pass
				0	3.85	5.250	0.0031	-2.5 to 2.5	Pass
				10	3.85	9.627	0.0056	-2.5 to 2.5	Pass
				30	3.85	3.018	0.0018	-2.5 to 2.5	Pass
				40	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				50	3.85	3.047	0.0018	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	7.524	0.0043	-2.5 to 2.5	Pass
					3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
					4.43	14.234	0.0082	-2.5 to 2.5	Pass
				-30	3.85	-3.891	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				-10	3.85	8.068	0.0046	-2.5 to 2.5	Pass
				0	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				10	3.85	4.435	0.0025	-2.5 to 2.5	Pass
				30	3.85	9.212	0.0053	-2.5 to 2.5	Pass
				40	3.85	10.471	0.0060	-2.5 to 2.5	Pass
				50	3.85	0.157	0.0001	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	8.268	0.0046	-2.5 to 2.5	Pass
					3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
					4.43	1.259	0.0007	-2.5 to 2.5	Pass
				-30	3.85	5.765	0.0032	-2.5 to 2.5	Pass
				-20	3.85	5.336	0.0030	-2.5 to 2.5	Pass
				-10	3.85	4.034	0.0023	-2.5 to 2.5	Pass
				0	3.85	12.975	0.0073	-2.5 to 2.5	Pass
				10	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				30	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				40	3.85	10.657	0.0060	-2.5 to 2.5	Pass
				50	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	4.220	0.0025	-2.5 to 2.5	Pass
					3.85	6.723	0.0039	-2.5 to 2.5	Pass
					4.43	5.221	0.0031	-2.5 to 2.5	Pass
				-30	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	7.896	0.0046	-2.5 to 2.5	Pass
				-10	3.85	-17.409	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-8.712	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-3.705	-0.0022	-2.5 to 2.5	Pass
				30	3.85	3.519	0.0021	-2.5 to 2.5	Pass
				40	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	-3.090	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
					4.43	7.768	0.0045	-2.5 to 2.5	Pass
				-30	3.85	5.908	0.0034	-2.5 to 2.5	Pass
				-20	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	13.161	0.0075	-2.5 to 2.5	Pass

				0	3.85	10.285	0.0059	-2.5 to 2.5	Pass
				10	3.85	5.107	0.0029	-2.5 to 2.5	Pass
				30	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				40	3.85	6.723	0.0039	-2.5 to 2.5	Pass
				50	3.85	7.296	0.0042	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	4.292	0.0024	-2.5 to 2.5	Pass
					3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
					4.43	8.283	0.0047	-2.5 to 2.5	Pass
				-30	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	7.153	0.0040	-2.5 to 2.5	Pass
				-10	3.85	3.433	0.0019	-2.5 to 2.5	Pass
				0	3.85	9.699	0.0055	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				30	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				50	3.85	4.263	0.0024	-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	2.146	0.0013	-2.5 to 2.5	Pass
					3.85	-7.882	-0.0046	-2.5 to 2.5	Pass
					4.43	2.375	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.772	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				0	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				30	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				40	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				50	3.85	3.948	0.0023	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	8.698	0.0050	-2.5 to 2.5	Pass
					3.85	3.462	0.0020	-2.5 to 2.5	Pass
					4.43	3.304	0.0019	-2.5 to 2.5	Pass
				-30	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				-20	3.85	7.339	0.0042	-2.5 to 2.5	Pass
				-10	3.85	5.651	0.0032	-2.5 to 2.5	Pass
				0	3.85	8.712	0.0050	-2.5 to 2.5	Pass
				10	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				30	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				40	3.85	3.877	0.0022	-2.5 to 2.5	Pass
				50	3.85	2.532	0.0015	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	4.649	0.0026	-2.5 to 2.5	Pass
					3.85	6.595	0.0037	-2.5 to 2.5	Pass
					4.43	1.802	0.0010	-2.5 to 2.5	Pass
				-30	3.85	14.176	0.0080	-2.5 to 2.5	Pass
				-20	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				10	3.85	13.003	0.0073	-2.5 to 2.5	Pass
				30	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	3.85	6.166	0.0035	-2.5 to 2.5	Pass
				50	3.85	3.676	0.0021	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	2.303	0.0013	-2.5 to 2.5	Pass
					3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
					4.43	7.925	0.0046	-2.5 to 2.5	Pass

				-30	3.85	-6.123	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	4.334	0.0025	-2.5 to 2.5	Pass
				-10	3.85	-2.847	-0.0017	-2.5 to 2.5	Pass
				0	3.85	4.234	0.0025	-2.5 to 2.5	Pass
				10	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				40	3.85	0.601	0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	-0.200	-0.0001	-2.5 to 2.5	Pass
					3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
					4.43	3.705	0.0021	-2.5 to 2.5	Pass
				-30	3.85	1.302	0.0007	-2.5 to 2.5	Pass
				-20	3.85	5.193	0.0030	-2.5 to 2.5	Pass
				-10	3.85	11.687	0.0067	-2.5 to 2.5	Pass
				0	3.85	4.120	0.0024	-2.5 to 2.5	Pass
				10	3.85	4.549	0.0026	-2.5 to 2.5	Pass
				30	3.85	12.732	0.0073	-2.5 to 2.5	Pass
				40	3.85	6.924	0.0040	-2.5 to 2.5	Pass
				50	3.85	9.069	0.0052	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	6.208	0.0035	-2.5 to 2.5	Pass
					3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
					4.43	-0.472	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	5.364	0.0030	-2.5 to 2.5	Pass
				-20	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	6.709	0.0038	-2.5 to 2.5	Pass
				0	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				10	3.85	14.119	0.0079	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				40	3.85	9.685	0.0054	-2.5 to 2.5	Pass
				50	3.85	-4.764	-0.0027	-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	1.731	0.0010	-2.5 to 2.5	Pass
					3.85	2.532	0.0015	-2.5 to 2.5	Pass
					4.43	1.802	0.0011	-2.5 to 2.5	Pass
				-30	3.85	5.021	0.0029	-2.5 to 2.5	Pass
				-20	3.85	4.106	0.0024	-2.5 to 2.5	Pass
				-10	3.85	6.380	0.0037	-2.5 to 2.5	Pass
				0	3.85	4.349	0.0025	-2.5 to 2.5	Pass
				10	3.85	6.952	0.0041	-2.5 to 2.5	Pass
				30	3.85	5.307	0.0031	-2.5 to 2.5	Pass
				40	3.85	6.337	0.0037	-2.5 to 2.5	Pass
				50	3.85	7.839	0.0046	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	2.460	0.0014	-2.5 to 2.5	Pass
					3.85	3.004	0.0017	-2.5 to 2.5	Pass
					4.43	5.894	0.0034	-2.5 to 2.5	Pass
				-30	3.85	1.974	0.0011	-2.5 to 2.5	Pass
				-20	3.85	2.704	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
				10	3.85	4.206	0.0024	-2.5 to 2.5	Pass
				30	3.85	7.296	0.0042	-2.5 to 2.5	Pass
				40	3.85	3.004	0.0017	-2.5 to 2.5	Pass
				50	3.85	2.918	0.0017	-2.5 to 2.5	Pass

	1777.5	25	0	20	3.27	6.680	0.0038	-2.5 to 2.5	Pass
					3.85	3.347	0.0019	-2.5 to 2.5	Pass
					4.43	3.161	0.0018	-2.5 to 2.5	Pass
				-30	3.85	3.591	0.0020	-2.5 to 2.5	Pass
				-20	3.85	7.267	0.0041	-2.5 to 2.5	Pass
				-10	3.85	2.546	0.0014	-2.5 to 2.5	Pass
				0	3.85	7.224	0.0041	-2.5 to 2.5	Pass
				10	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				30	3.85	8.640	0.0049	-2.5 to 2.5	Pass
				40	3.85	2.632	0.0015	-2.5 to 2.5	Pass
				50	3.85	12.074	0.0068	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	4.849	0.0028	-2.5 to 2.5	Pass
					3.85	2.289	0.0013	-2.5 to 2.5	Pass
					4.43	6.094	0.0036	-2.5 to 2.5	Pass
				-30	3.85	3.648	0.0021	-2.5 to 2.5	Pass
				-20	3.85	4.435	0.0026	-2.5 to 2.5	Pass
				-10	3.85	7.482	0.0044	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				10	3.85	3.633	0.0021	-2.5 to 2.5	Pass
				30	3.85	8.168	0.0048	-2.5 to 2.5	Pass
				40	3.85	4.249	0.0025	-2.5 to 2.5	Pass
				50	3.85	7.153	0.0042	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	1.359	0.0008	-2.5 to 2.5	Pass
					3.85	5.279	0.0030	-2.5 to 2.5	Pass
					4.43	1.688	0.0010	-2.5 to 2.5	Pass
				-30	3.85	4.206	0.0024	-2.5 to 2.5	Pass
				-20	3.85	6.881	0.0039	-2.5 to 2.5	Pass
				-10	3.85	2.890	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.473	0.0008	-2.5 to 2.5	Pass
				10	3.85	3.676	0.0021	-2.5 to 2.5	Pass
				30	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				40	3.85	12.460	0.0071	-2.5 to 2.5	Pass
				50	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	5.178	0.0029	-2.5 to 2.5	Pass
					3.85	0.415	0.0002	-2.5 to 2.5	Pass
					4.43	4.020	0.0023	-2.5 to 2.5	Pass
				-30	3.85	4.377	0.0025	-2.5 to 2.5	Pass
				-20	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				0	3.85	3.934	0.0022	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				30	3.85	5.207	0.0029	-2.5 to 2.5	Pass
				40	3.85	4.849	0.0027	-2.5 to 2.5	Pass
				50	3.85	-3.805	-0.0021	-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	-1.101	-0.0006	-2.5 to 2.5	Pass
					3.85	2.332	0.0014	-2.5 to 2.5	Pass
					4.43	-1.917	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.631	0.0010	-2.5 to 2.5	Pass
				-10	3.85	4.749	0.0028	-2.5 to 2.5	Pass
				0	3.85	4.191	0.0024	-2.5 to 2.5	Pass
				10	3.85	1.774	0.0010	-2.5 to 2.5	Pass

				30	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.029	0.0000	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	7.010	0.0040	-2.5 to 2.5	Pass
					3.85	5.822	0.0033	-2.5 to 2.5	Pass
					4.43	3.047	0.0017	-2.5 to 2.5	Pass
				-30	3.85	4.063	0.0023	-2.5 to 2.5	Pass
				-20	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				-10	3.85	7.052	0.0040	-2.5 to 2.5	Pass
				0	3.85	4.807	0.0028	-2.5 to 2.5	Pass
				10	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				30	3.85	5.007	0.0029	-2.5 to 2.5	Pass
				40	3.85	2.861	0.0016	-2.5 to 2.5	Pass
				50	3.85	5.622	0.0032	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	4.206	0.0024	-2.5 to 2.5	Pass
					3.85	5.078	0.0029	-2.5 to 2.5	Pass
					4.43	4.120	0.0023	-2.5 to 2.5	Pass
				-30	3.85	5.336	0.0030	-2.5 to 2.5	Pass
				-20	3.85	3.033	0.0017	-2.5 to 2.5	Pass
				-10	3.85	4.878	0.0027	-2.5 to 2.5	Pass
				0	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				10	3.85	5.279	0.0030	-2.5 to 2.5	Pass
				30	3.85	2.117	0.0012	-2.5 to 2.5	Pass
				40	3.85	8.626	0.0049	-2.5 to 2.5	Pass
				50	3.85	4.120	0.0023	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	0.873	0.0005	-2.5 to 2.5	Pass
					3.85	3.633	0.0021	-2.5 to 2.5	Pass
					4.43	5.751	0.0034	-2.5 to 2.5	Pass
				-30	3.85	7.939	0.0046	-2.5 to 2.5	Pass
				-20	3.85	10.114	0.0059	-2.5 to 2.5	Pass
				-10	3.85	5.822	0.0034	-2.5 to 2.5	Pass
				0	3.85	6.866	0.0040	-2.5 to 2.5	Pass
				10	3.85	8.798	0.0051	-2.5 to 2.5	Pass
				30	3.85	5.608	0.0033	-2.5 to 2.5	Pass
				40	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				50	3.85	2.446	0.0014	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	6.323	0.0036	-2.5 to 2.5	Pass
					3.85	3.176	0.0018	-2.5 to 2.5	Pass
					4.43	2.775	0.0016	-2.5 to 2.5	Pass
				-30	3.85	5.836	0.0033	-2.5 to 2.5	Pass
				-20	3.85	3.991	0.0023	-2.5 to 2.5	Pass
				-10	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				10	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				30	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				50	3.85	5.379	0.0031	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	3.562	0.0020	-2.5 to 2.5	Pass
					3.85	2.847	0.0016	-2.5 to 2.5	Pass
					4.43	4.392	0.0025	-2.5 to 2.5	Pass
				-30	3.85	5.364	0.0030	-2.5 to 2.5	Pass
				-20	3.85	5.879	0.0033	-2.5 to 2.5	Pass
				-10	3.85	5.922	0.0033	-2.5 to 2.5	Pass
				0	3.85	3.333	0.0019	-2.5 to 2.5	Pass
				10	3.85	2.360	0.0013	-2.5 to 2.5	Pass
				30	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				40	3.85	4.592	0.0026	-2.5 to 2.5	Pass
				50	3.85	4.478	0.0025	-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	3.347	0.0019	-2.5 to 2.5	Pass
					3.85	3.147	0.0018	-2.5 to 2.5	Pass
					4.43	3.619	0.0021	-2.5 to 2.5	Pass
				-30	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				-20	3.85	5.722	0.0033	-2.5 to 2.5	Pass
				-10	3.85	7.381	0.0043	-2.5 to 2.5	Pass
				0	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				10	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				30	3.85	2.818	0.0016	-2.5 to 2.5	Pass
				40	3.85	4.935	0.0029	-2.5 to 2.5	Pass
				50	3.85	5.236	0.0030	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	2.460	0.0014	-2.5 to 2.5	Pass
					3.85	8.225	0.0047	-2.5 to 2.5	Pass
					4.43	4.578	0.0026	-2.5 to 2.5	Pass
				-30	3.85	4.935	0.0028	-2.5 to 2.5	Pass
				-20	3.85	4.678	0.0027	-2.5 to 2.5	Pass
				-10	3.85	6.266	0.0036	-2.5 to 2.5	Pass
				0	3.85	7.982	0.0046	-2.5 to 2.5	Pass
				10	3.85	4.292	0.0025	-2.5 to 2.5	Pass
				30	3.85	4.506	0.0026	-2.5 to 2.5	Pass
				40	3.85	4.177	0.0024	-2.5 to 2.5	Pass
				50	3.85	4.034	0.0023	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	6.423	0.0036	-2.5 to 2.5	Pass
					3.85	0.858	0.0005	-2.5 to 2.5	Pass
					4.43	-1.359	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.832	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	3.977	0.0022	-2.5 to 2.5	Pass
				0	3.85	3.619	0.0020	-2.5 to 2.5	Pass
				10	3.85	3.405	0.0019	-2.5 to 2.5	Pass
				30	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				40	3.85	5.164	0.0029	-2.5 to 2.5	Pass
				50	3.85	3.991	0.0023	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	5.450	0.0032	-2.5 to 2.5	Pass
					3.85	8.397	0.0049	-2.5 to 2.5	Pass
					4.43	2.718	0.0016	-2.5 to 2.5	Pass
				-30	3.85	4.249	0.0025	-2.5 to 2.5	Pass
				-20	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				-10	3.85	3.748	0.0022	-2.5 to 2.5	Pass
				0	3.85	3.977	0.0023	-2.5 to 2.5	Pass
				10	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				40	3.85	2.689	0.0016	-2.5 to 2.5	Pass
				50	3.85	2.418	0.0014	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	1.416	0.0008	-2.5 to 2.5	Pass
					3.85	7.181	0.0041	-2.5 to 2.5	Pass
					4.43	7.868	0.0045	-2.5 to 2.5	Pass
				-30	3.85	3.519	0.0020	-2.5 to 2.5	Pass
				-20	3.85	4.334	0.0025	-2.5 to 2.5	Pass
				-10	3.85	3.991	0.0023	-2.5 to 2.5	Pass
				0	3.85	4.678	0.0027	-2.5 to 2.5	Pass
				10	3.85	3.619	0.0021	-2.5 to 2.5	Pass
				30	3.85	3.934	0.0023	-2.5 to 2.5	Pass
				40	3.85	3.405	0.0020	-2.5 to 2.5	Pass
				50	3.85	2.646	0.0015	-2.5 to 2.5	Pass

	1772.5	75	0	20	3.27	7.696	0.0043	-2.5 to 2.5	Pass
					3.85	1.187	0.0007	-2.5 to 2.5	Pass
					4.43	3.333	0.0019	-2.5 to 2.5	Pass
				-30	3.85	3.090	0.0017	-2.5 to 2.5	Pass
				-20	3.85	2.704	0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				0	3.85	4.592	0.0026	-2.5 to 2.5	Pass
				10	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				30	3.85	1.502	0.0008	-2.5 to 2.5	Pass
				40	3.85	3.262	0.0018	-2.5 to 2.5	Pass
				50	3.85	3.219	0.0018	-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	-0.401	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
					4.43	2.031	0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.847	0.0017	-2.5 to 2.5	Pass
				-10	3.85	3.047	0.0018	-2.5 to 2.5	Pass
				0	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				10	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				30	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				50	3.85	3.777	0.0022	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	3.633	0.0021	-2.5 to 2.5	Pass
					3.85	2.131	0.0012	-2.5 to 2.5	Pass
					4.43	2.418	0.0014	-2.5 to 2.5	Pass
				-30	3.85	7.195	0.0041	-2.5 to 2.5	Pass
				-20	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				-10	3.85	4.592	0.0026	-2.5 to 2.5	Pass
				0	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				10	3.85	5.350	0.0031	-2.5 to 2.5	Pass
				30	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				40	3.85	3.061	0.0018	-2.5 to 2.5	Pass
				50	3.85	3.562	0.0020	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	0.000	0.0000	-2.5 to 2.5	Pass
					3.85	1.502	0.0008	-2.5 to 2.5	Pass
					4.43	2.747	0.0016	-2.5 to 2.5	Pass
				-30	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.460	0.0014	-2.5 to 2.5	Pass
				10	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.473	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.774	0.0010	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	1.230	0.0007	-2.5 to 2.5	Pass
					3.85	0.844	0.0005	-2.5 to 2.5	Pass
					4.43	-0.758	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass

				30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	2.890	0.0017	-2.5 to 2.5	Pass
					3.85	5.136	0.0029	-2.5 to 2.5	Pass
					4.43	0.415	0.0002	-2.5 to 2.5	Pass
				-30	3.85	3.905	0.0022	-2.5 to 2.5	Pass
				-20	3.85	4.478	0.0026	-2.5 to 2.5	Pass
				-10	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				0	3.85	6.008	0.0034	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				40	3.85	5.322	0.0030	-2.5 to 2.5	Pass
				50	3.85	2.947	0.0017	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	2.661	0.0015	-2.5 to 2.5	Pass
					3.85	2.875	0.0016	-2.5 to 2.5	Pass
					4.43	1.116	0.0006	-2.5 to 2.5	Pass
				-30	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.559	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.702	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				10	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				50	3.85	2.117	0.0012	-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

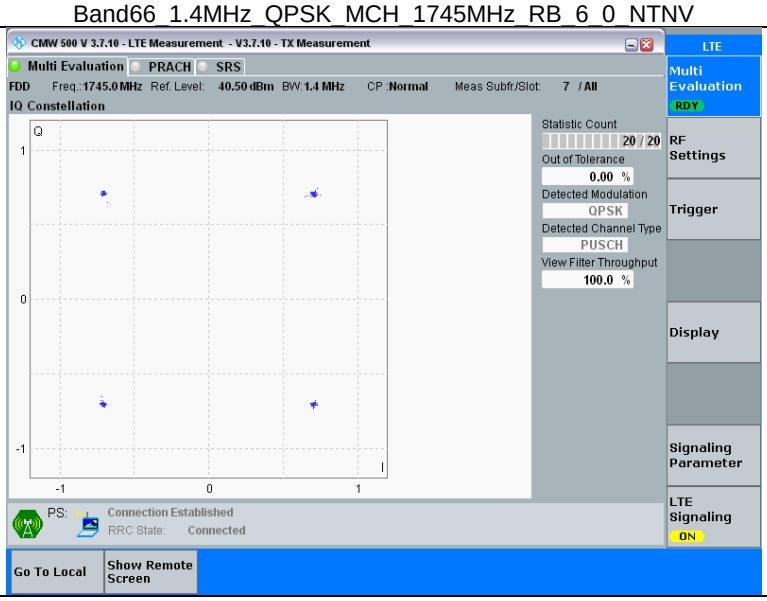
3.1.6 B66_20MHz

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

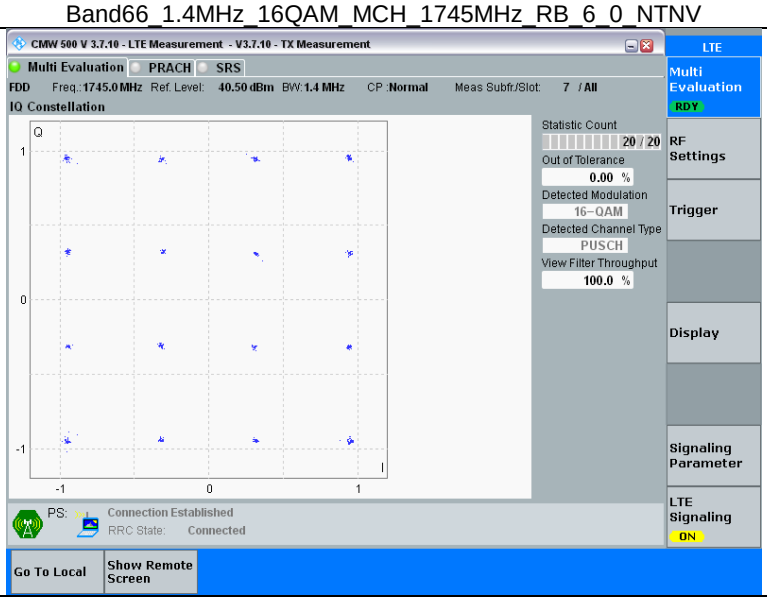
3.2 Test Graph

3.2.1 B66_1.4MHz

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV

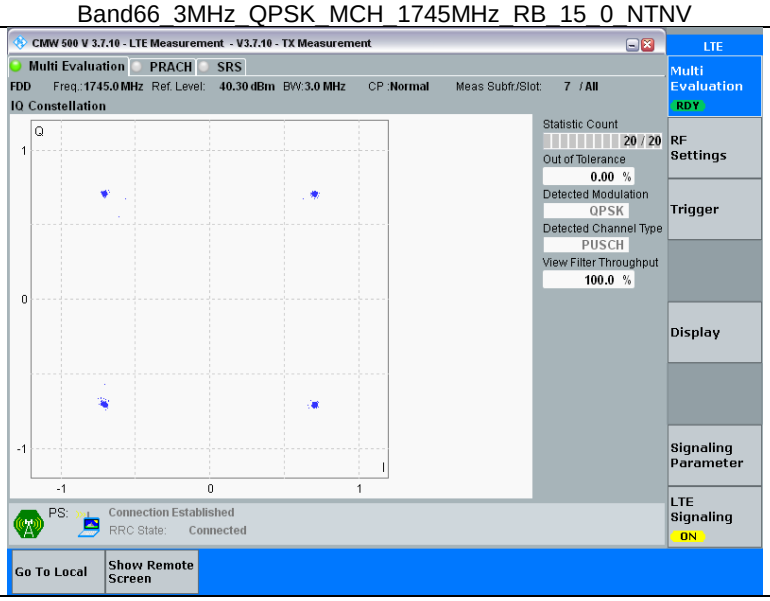


Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV

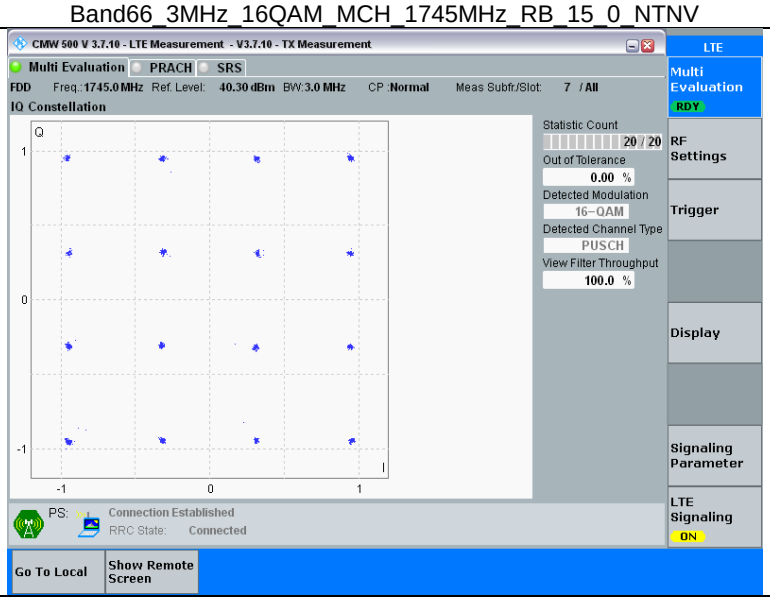


3.2.2 B66_3MHz

Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV

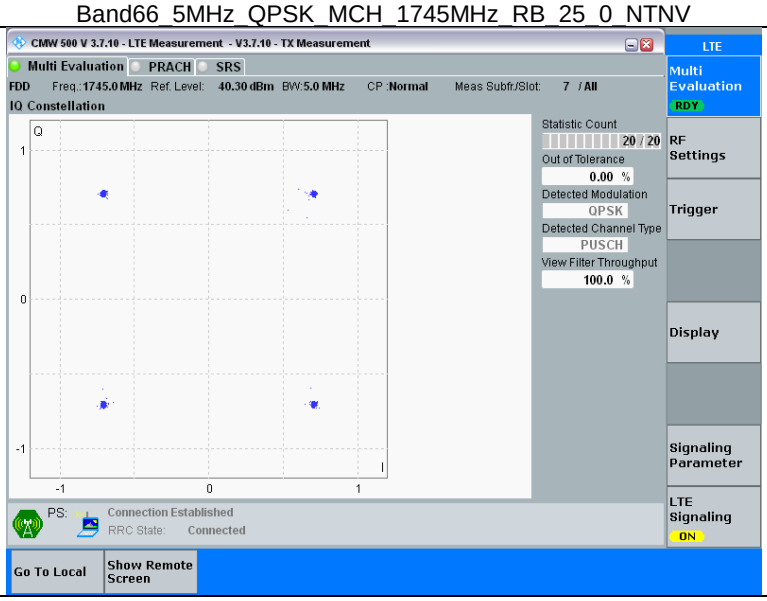


Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV

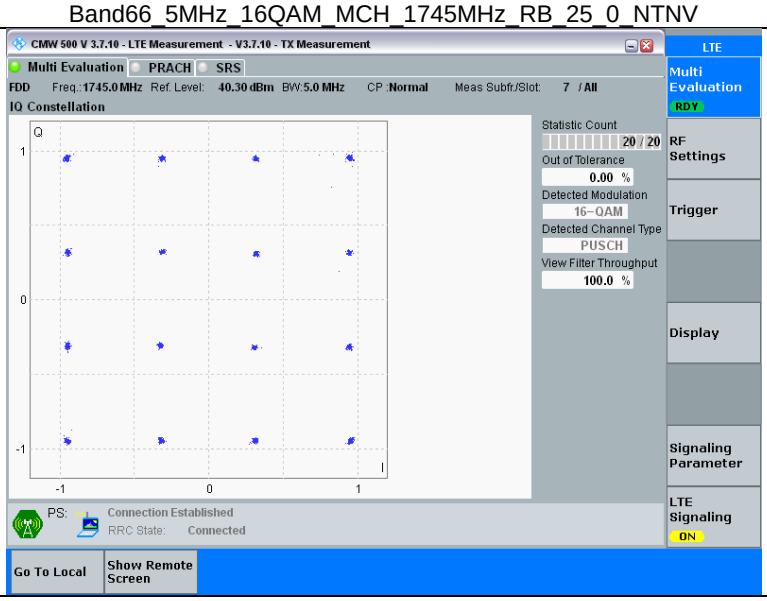


3.2.3 B66_5MHz

Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV

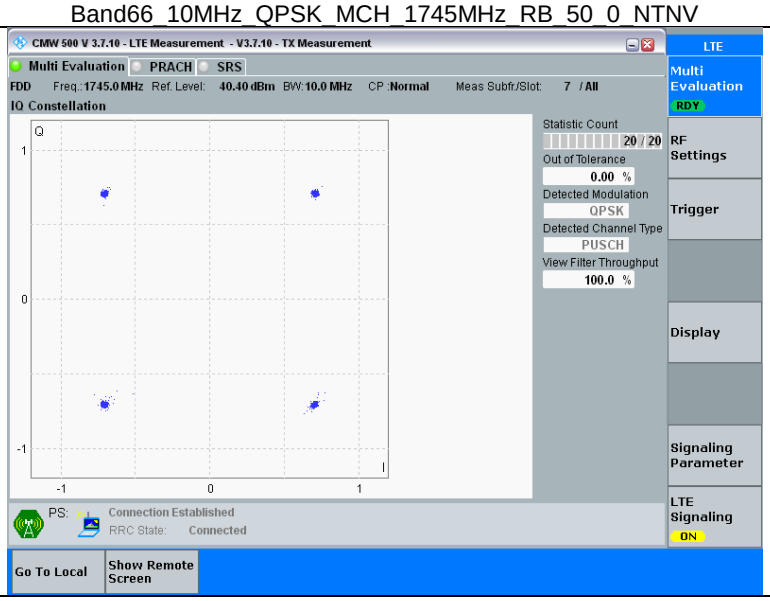


Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV

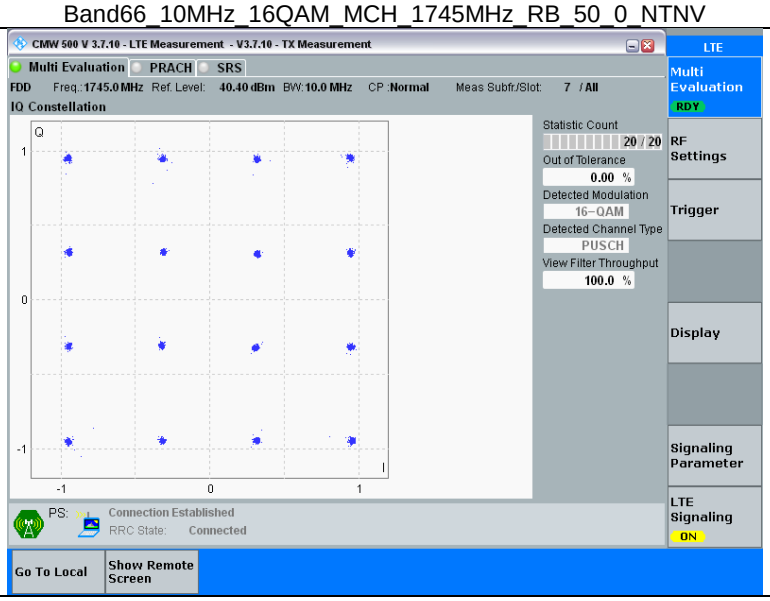


3.2.4 B66_10MHz

Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV

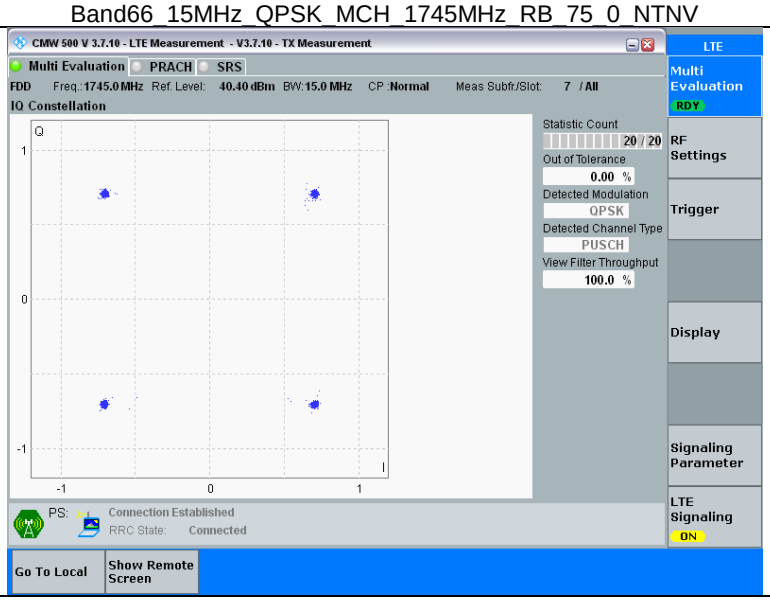


Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV

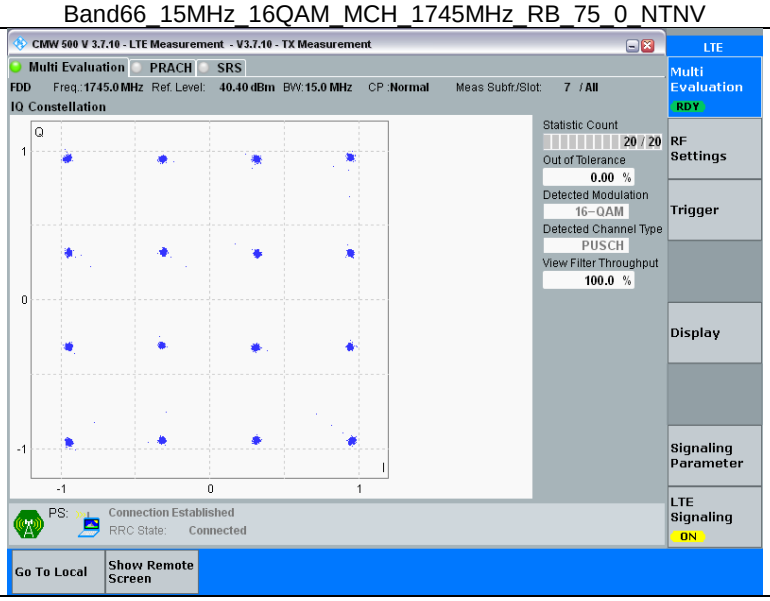


3.2.5 B66_15MHz

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV

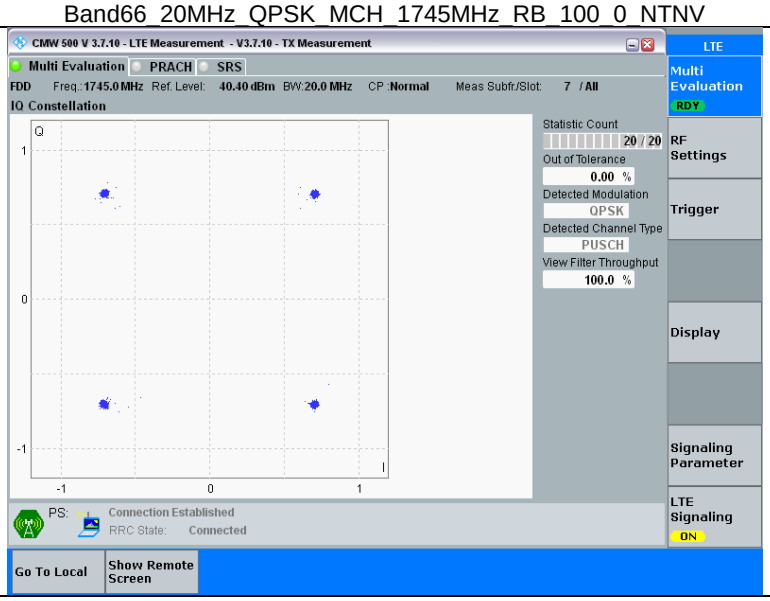


Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV

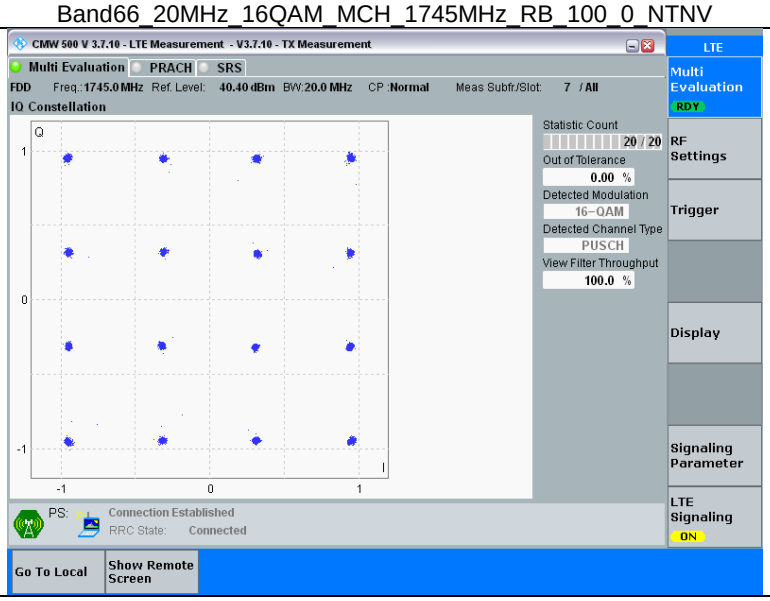


3.2.6 B66_20MHz

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	1.083	/	Pass
		1745	6	0	1.088	/	Pass
		1779.3	6	0	1.087	/	Pass
	16QAM	1710.7	6	0	1.086	/	Pass
		1745	6	0	1.087	/	Pass
		1779.3	6	0	1.085	/	Pass
3	QPSK	1711.5	15	0	2.687	/	Pass
		1745	15	0	2.690	/	Pass
		1778.5	15	0	2.682	/	Pass
	16QAM	1711.5	15	0	2.683	/	Pass
		1745	15	0	2.683	/	Pass
		1778.5	15	0	2.680	/	Pass
5	QPSK	1712.5	25	0	4.515	/	Pass
		1745	25	0	4.522	/	Pass
		1777.5	25	0	4.542	/	Pass
	16QAM	1712.5	25	0	4.512	/	Pass
		1745	25	0	4.521	/	Pass
		1777.5	25	0	4.501	/	Pass
10	QPSK	1715	50	0	8.970	/	Pass
		1745	50	0	8.949	/	Pass
		1775	50	0	8.965	/	Pass
	16QAM	1715	50	0	8.969	/	Pass
		1745	50	0	8.950	/	Pass
		1775	50	0	8.961	/	Pass
15	QPSK	1717.5	75	0	13.478	/	Pass
		1745	75	0	13.450	/	Pass
		1772.5	75	0	13.475	/	Pass
	16QAM	1717.5	75	0	13.449	/	Pass
		1745	75	0	13.456	/	Pass
		1772.5	75	0	13.468	/	Pass
20	QPSK	1720	100	0	17.888	/	Pass
		1745	100	0	17.896	/	Pass
		1770	100	0	17.883	/	Pass
	16QAM	1720	100	0	17.840	/	Pass
		1745	100	0	17.934	/	Pass
		1770	100	0	17.884	/	Pass

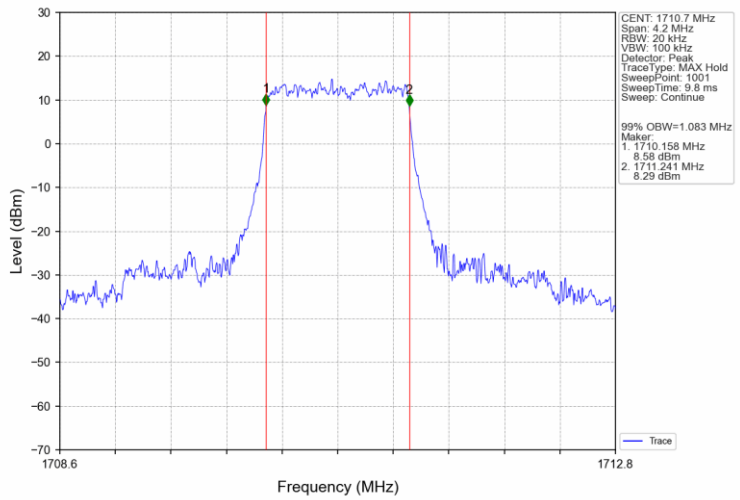
4.1.2 Band66_XDB

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	1.255	/	Pass
		1745	6	0	1.256	/	Pass
		1779.3	6	0	1.268	/	Pass
	16QAM	1710.7	6	0	1.271	/	Pass
		1745	6	0	1.262	/	Pass
		1779.3	6	0	1.236	/	Pass
3	QPSK	1711.5	15	0	2.887	/	Pass
		1745	15	0	2.879	/	Pass
		1778.5	15	0	2.874	/	Pass
	16QAM	1711.5	15	0	2.904	/	Pass
		1745	15	0	2.884	/	Pass
		1778.5	15	0	2.892	/	Pass
5	QPSK	1712.5	25	0	4.957	/	Pass
		1745	25	0	4.935	/	Pass
		1777.5	25	0	4.974	/	Pass
	16QAM	1712.5	25	0	4.964	/	Pass
		1745	25	0	4.975	/	Pass
		1777.5	25	0	4.940	/	Pass
10	QPSK	1715	50	0	9.554	/	Pass
		1745	50	0	9.528	/	Pass
		1775	50	0	9.643	/	Pass
	16QAM	1715	50	0	9.618	/	Pass
		1745	50	0	9.547	/	Pass
		1775	50	0	9.537	/	Pass
15	QPSK	1717.5	75	0	14.555	/	Pass
		1745	75	0	14.544	/	Pass
		1772.5	75	0	14.652	/	Pass
	16QAM	1717.5	75	0	14.538	/	Pass
		1745	75	0	14.520	/	Pass
		1772.5	75	0	14.523	/	Pass
20	QPSK	1720	100	0	19.220	/	Pass
		1745	100	0	19.026	/	Pass
		1770	100	0	19.021	/	Pass
	16QAM	1720	100	0	19.063	/	Pass
		1745	100	0	18.996	/	Pass
		1770	100	0	19.020	/	Pass

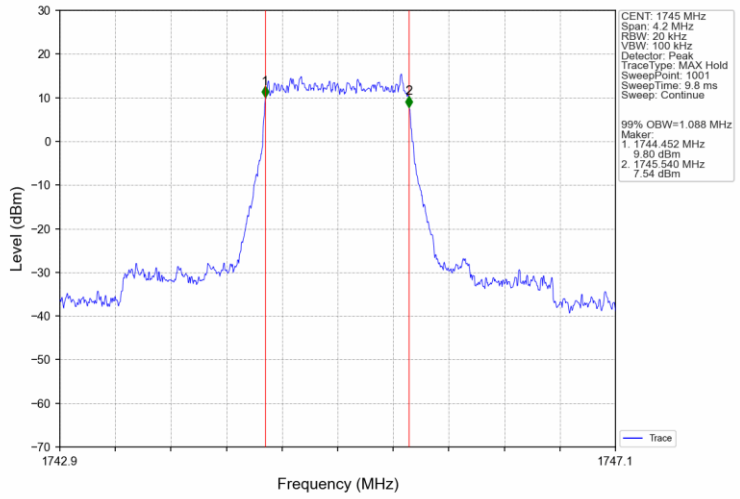
4.2 Test Graph

4.2.1 Band66_OBW

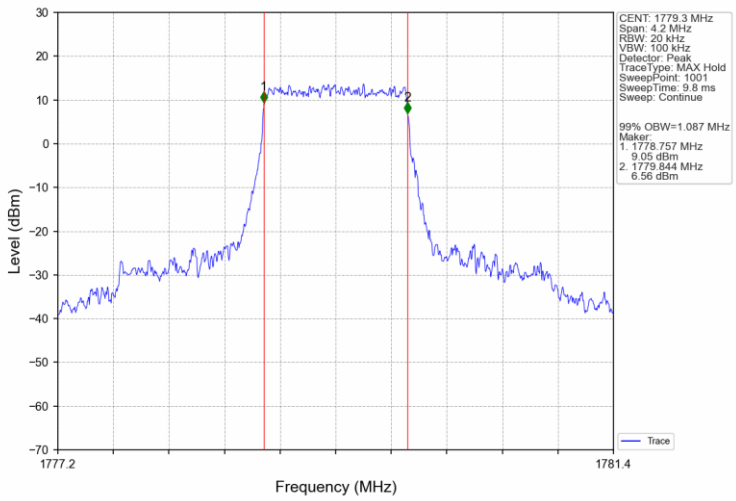
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



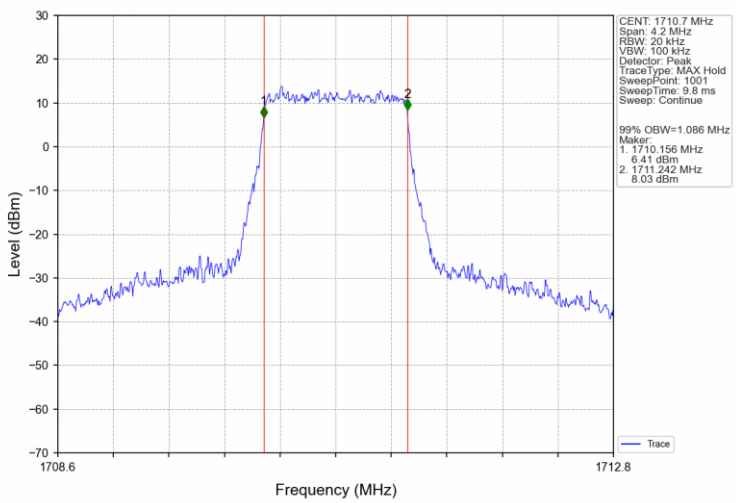
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



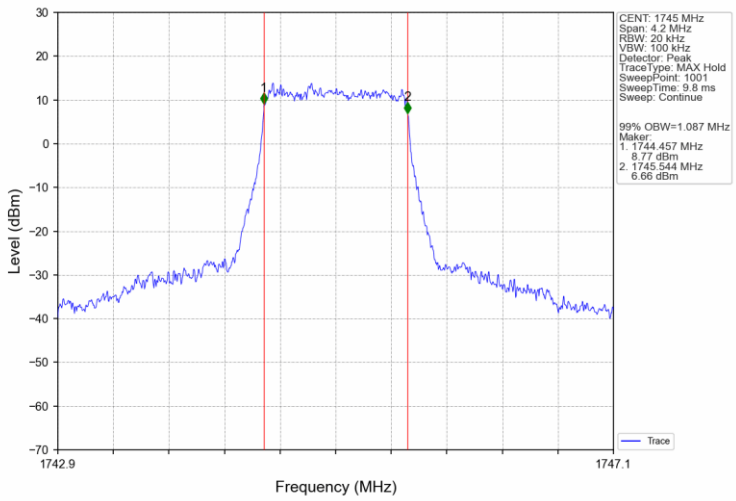
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



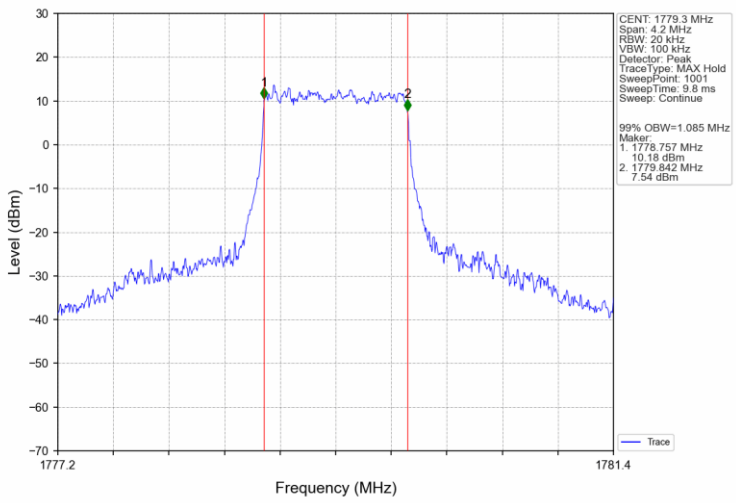
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



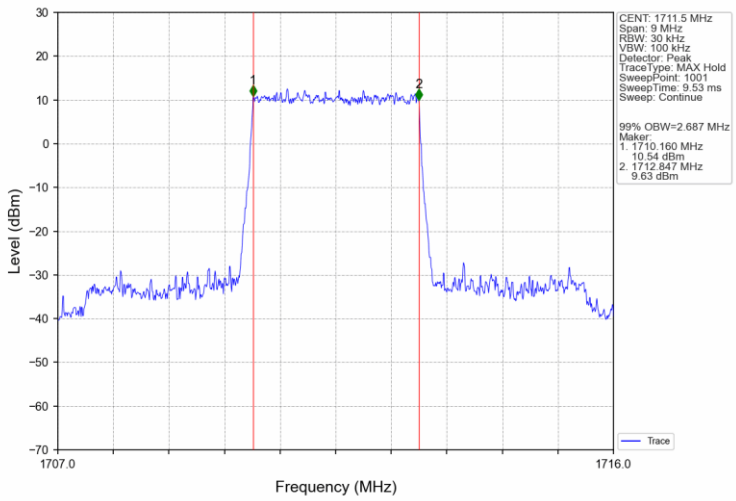
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



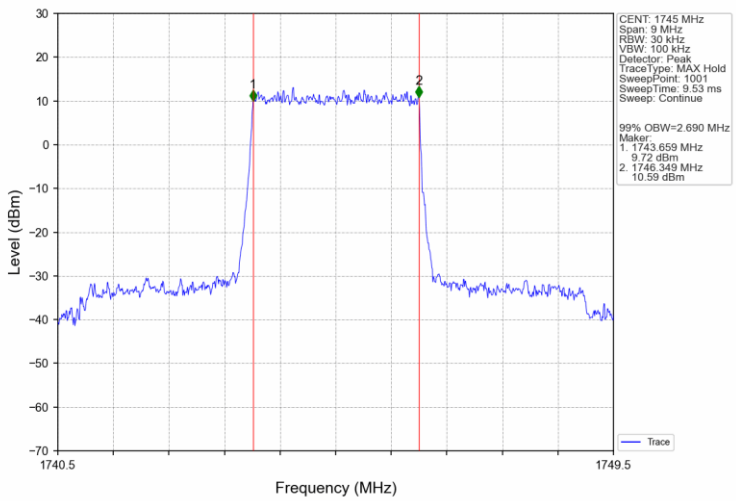
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



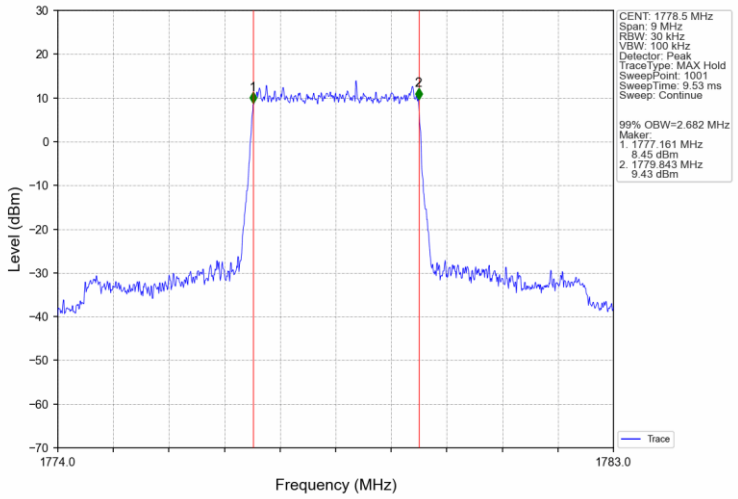
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



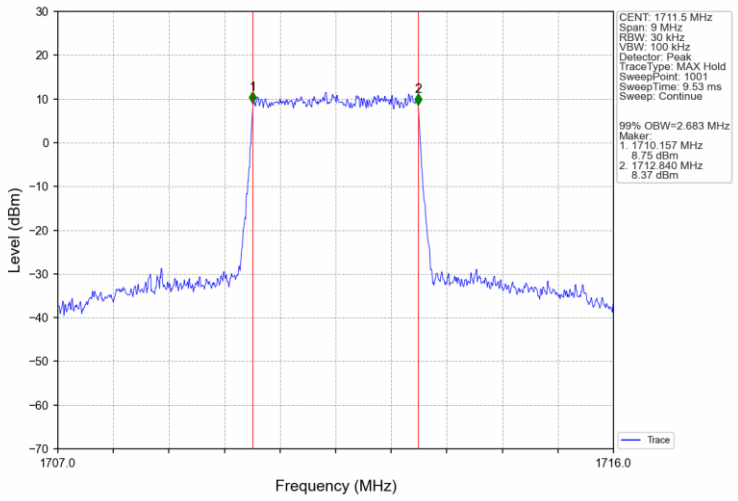
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



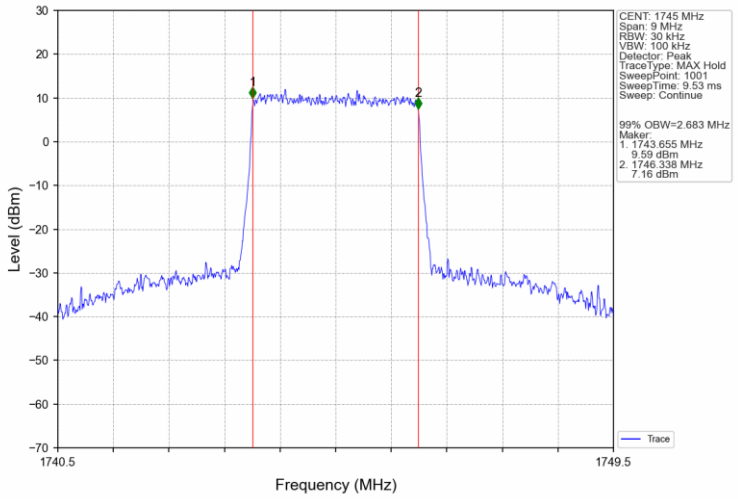
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



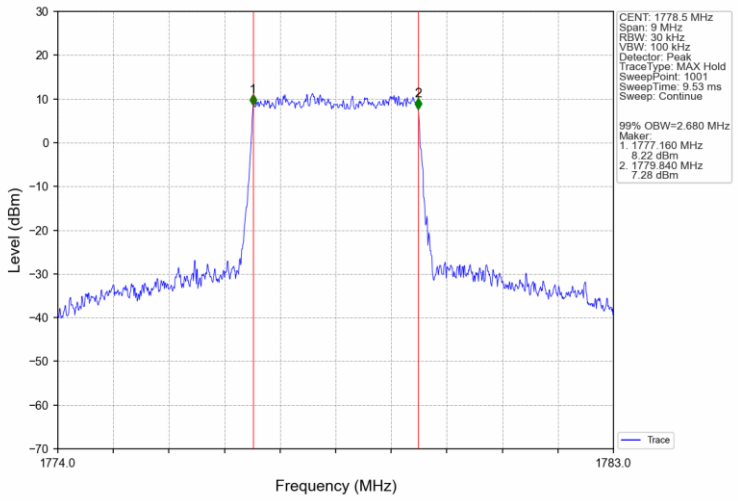
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



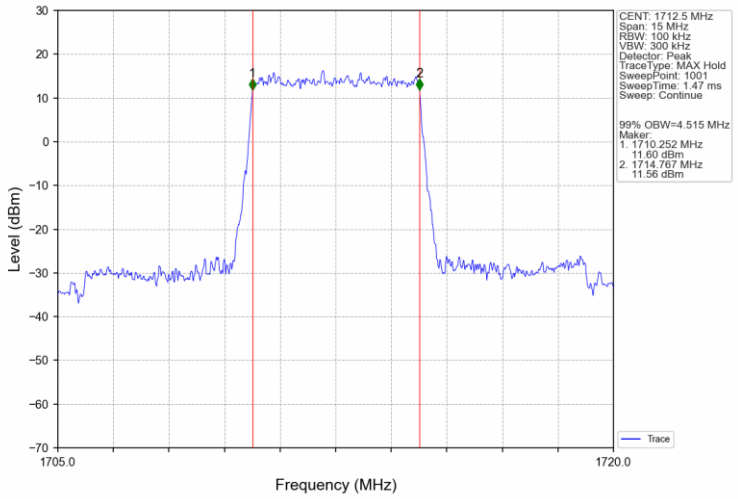
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



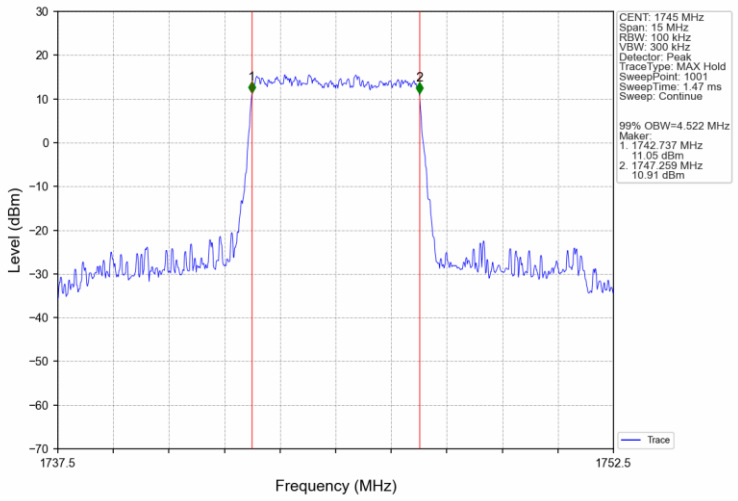
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



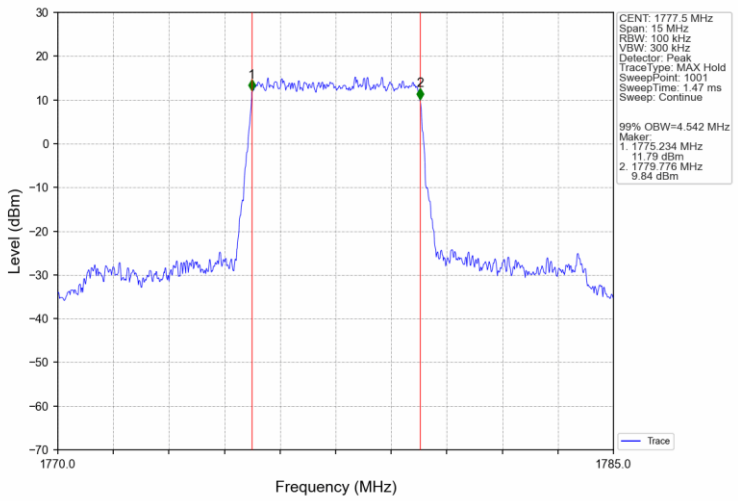
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



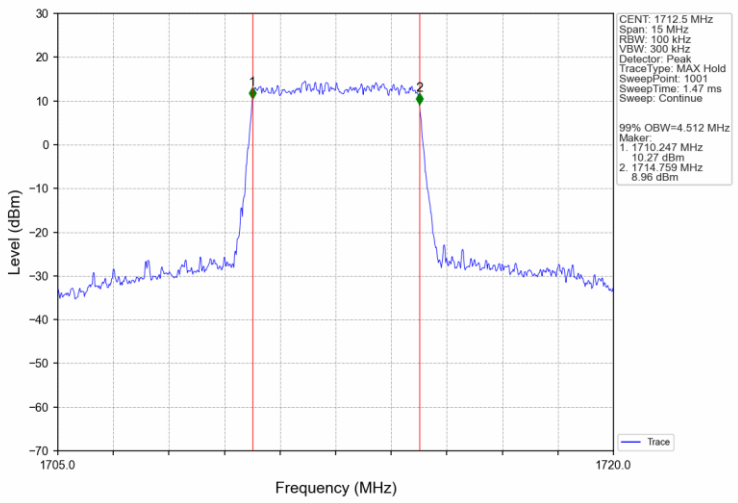
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



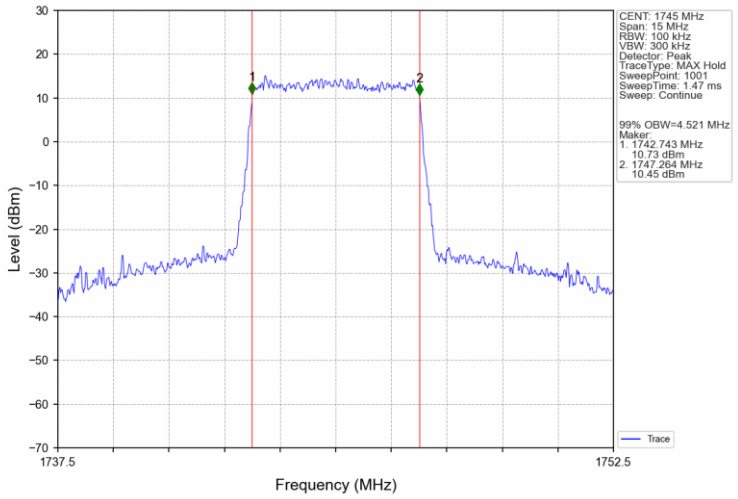
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



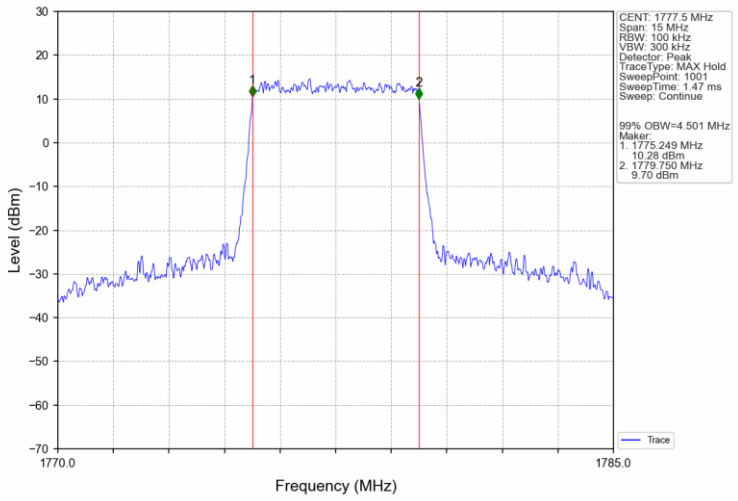
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



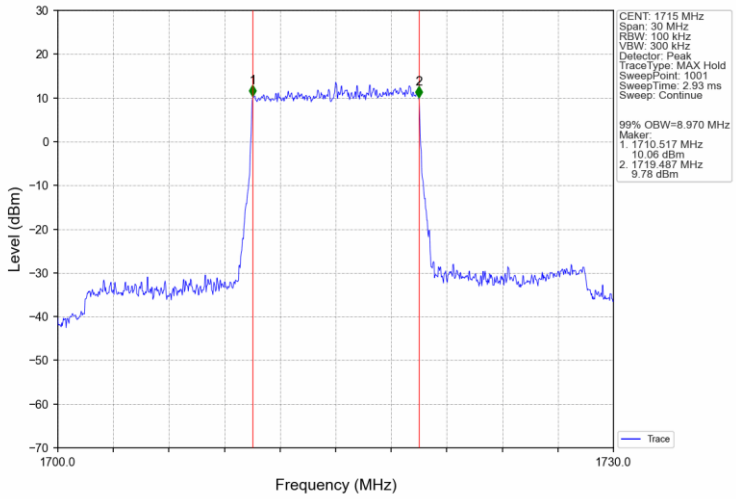
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



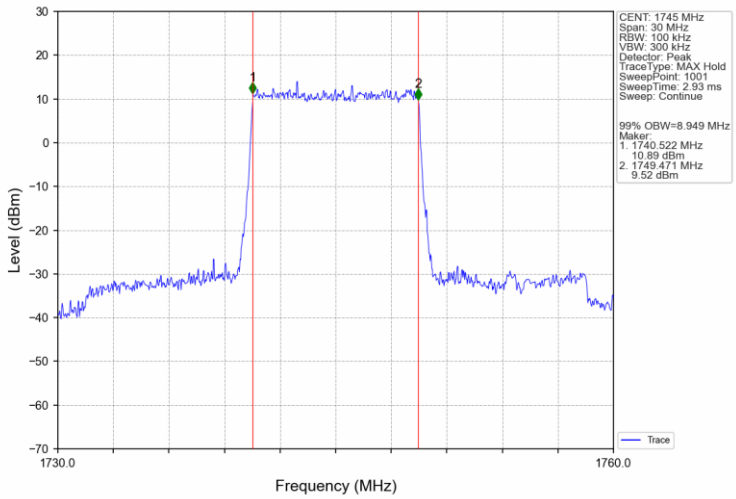
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



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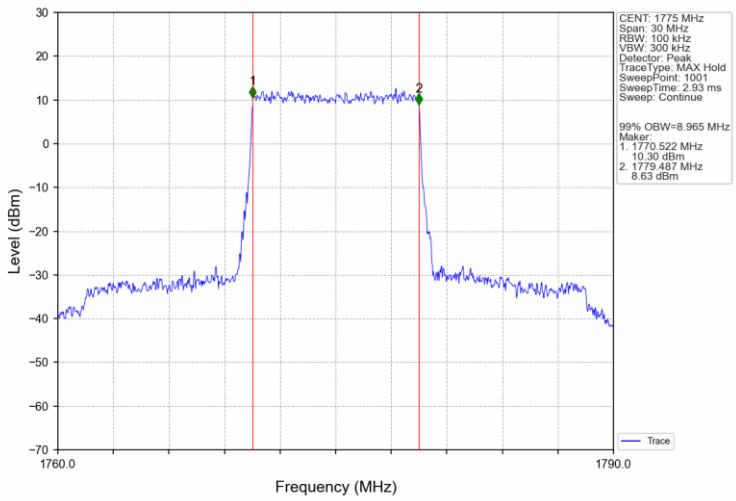
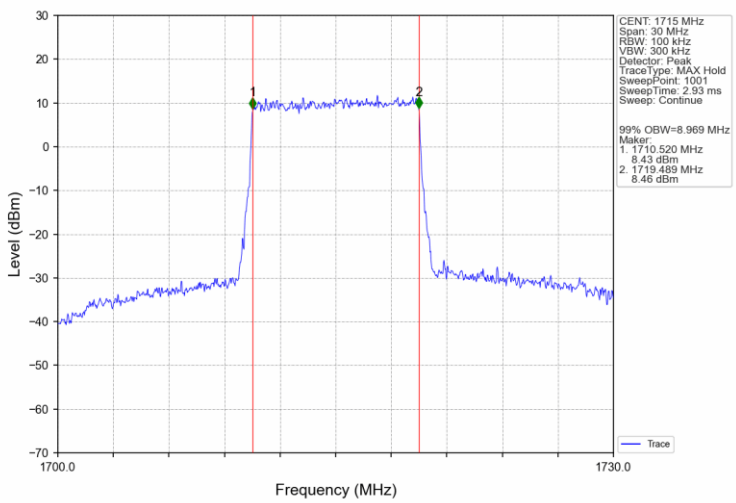
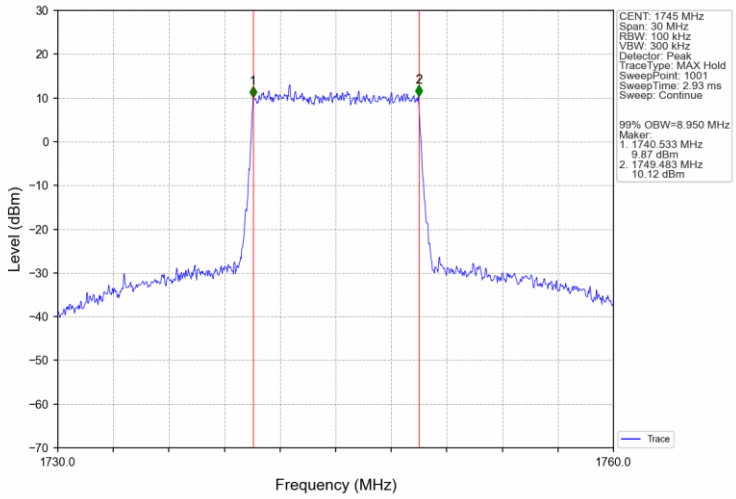


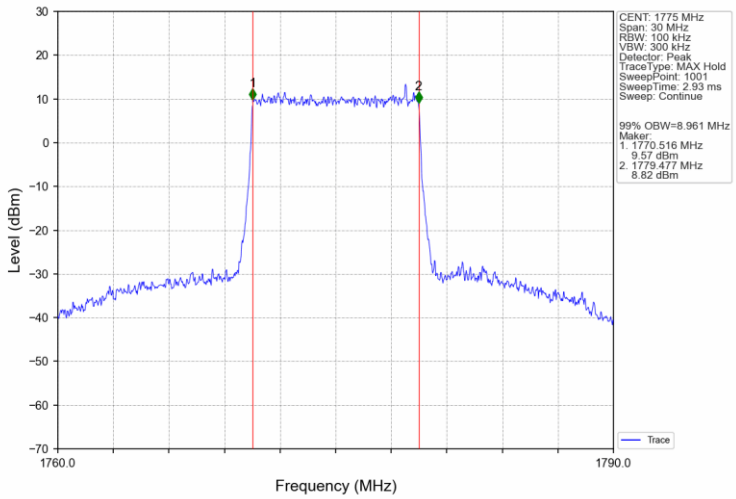
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



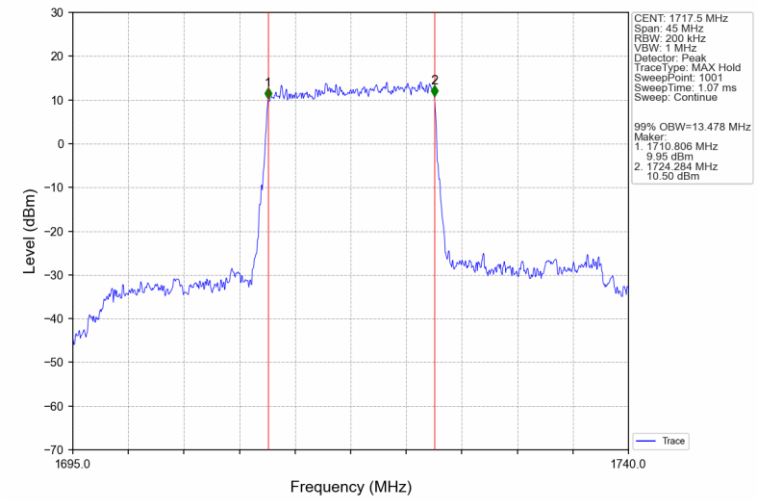
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



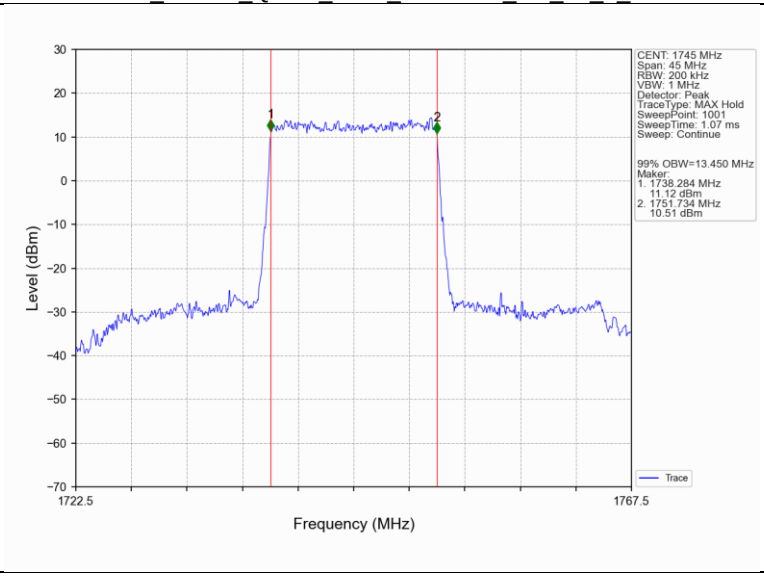
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



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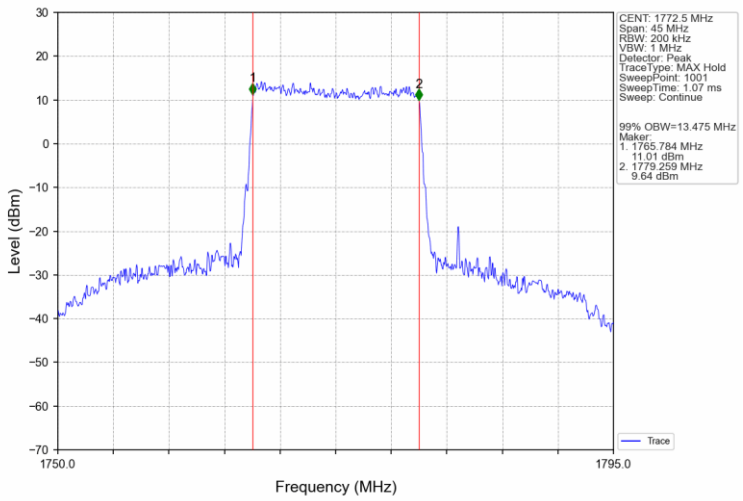
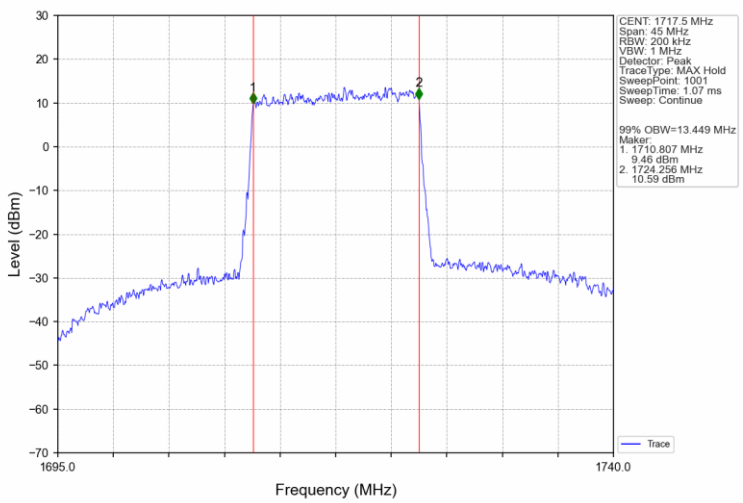
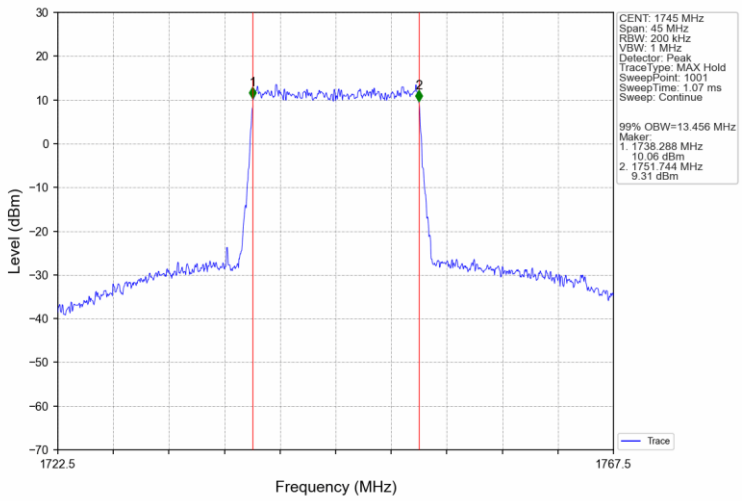


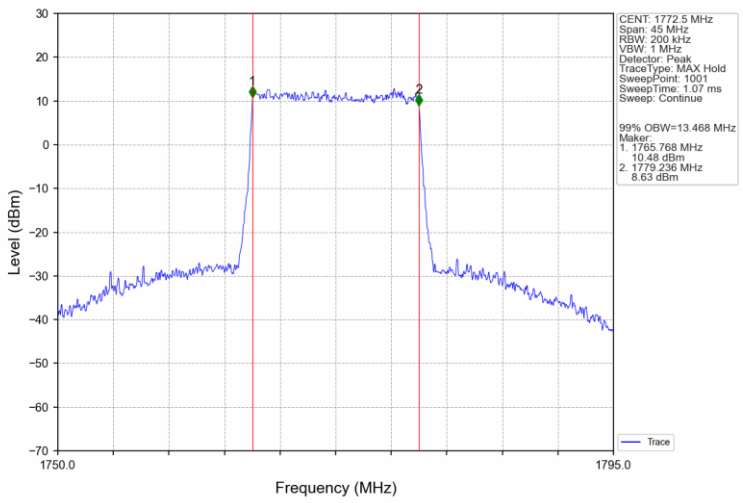
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



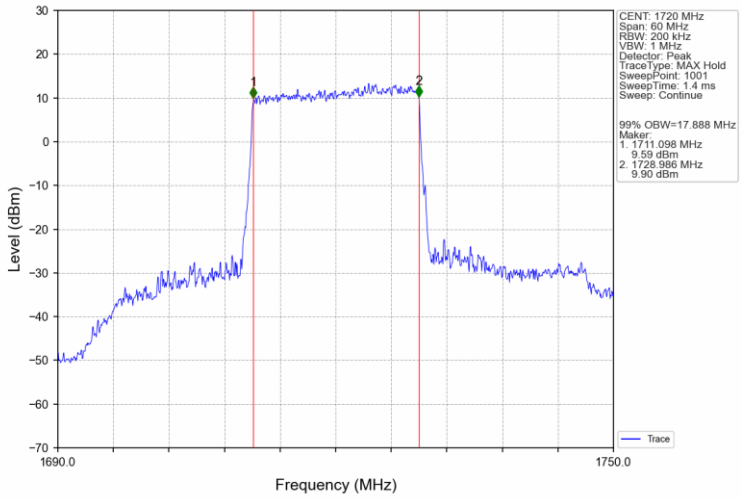
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



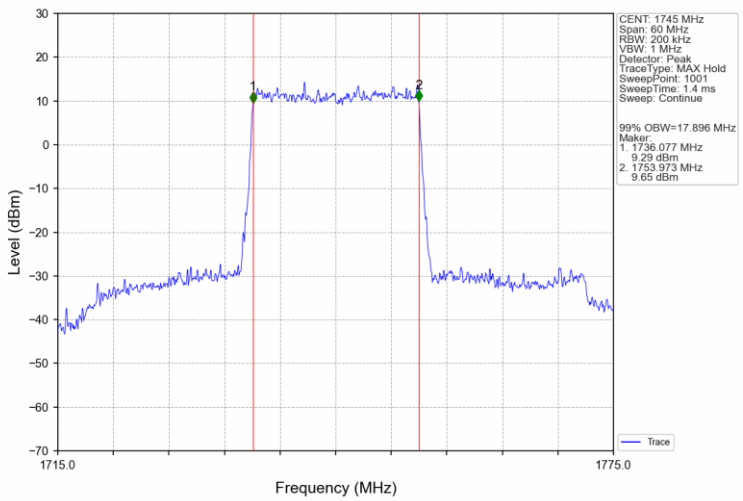
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



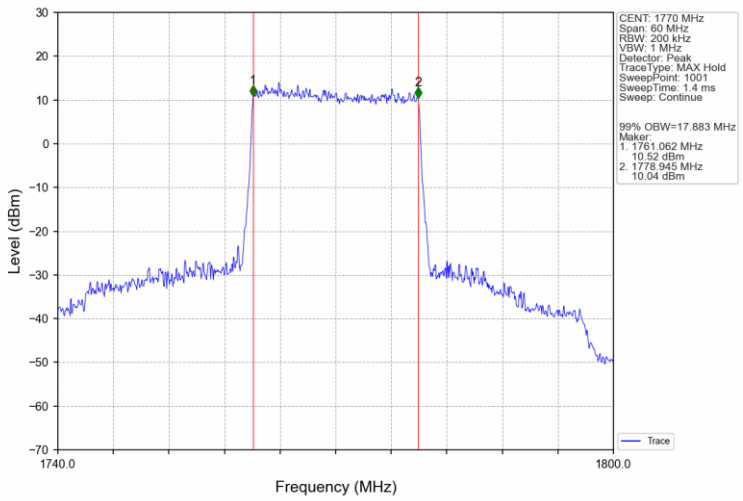
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



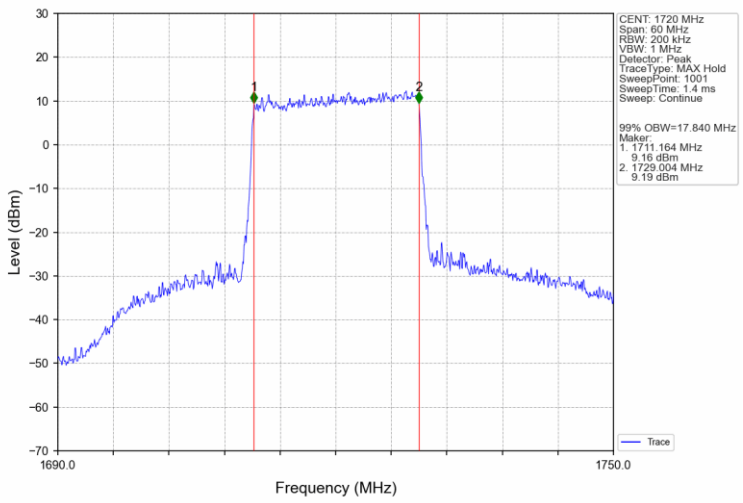
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



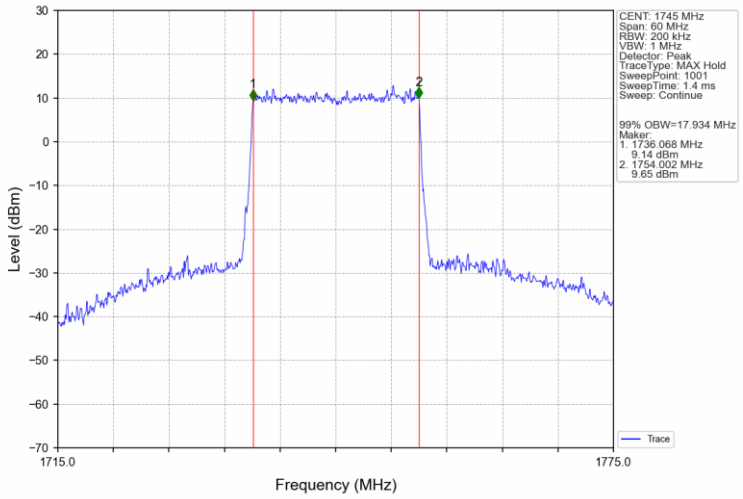
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



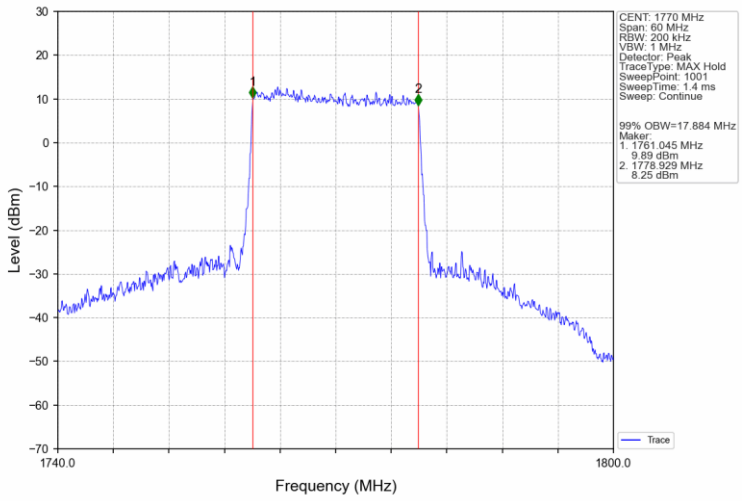
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV

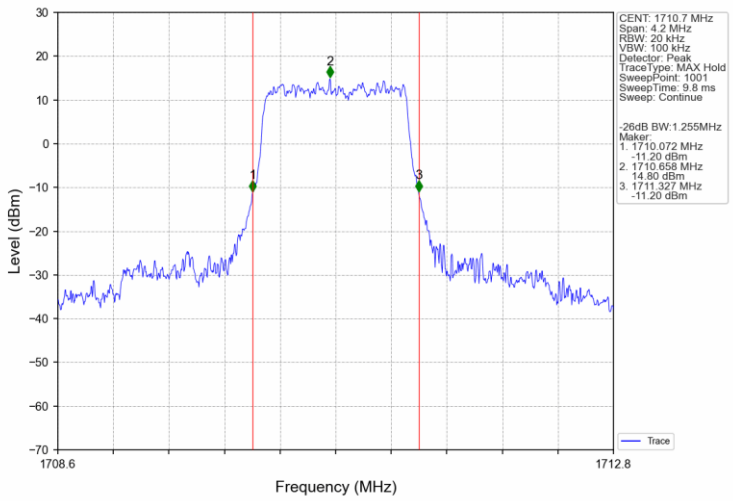


Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV

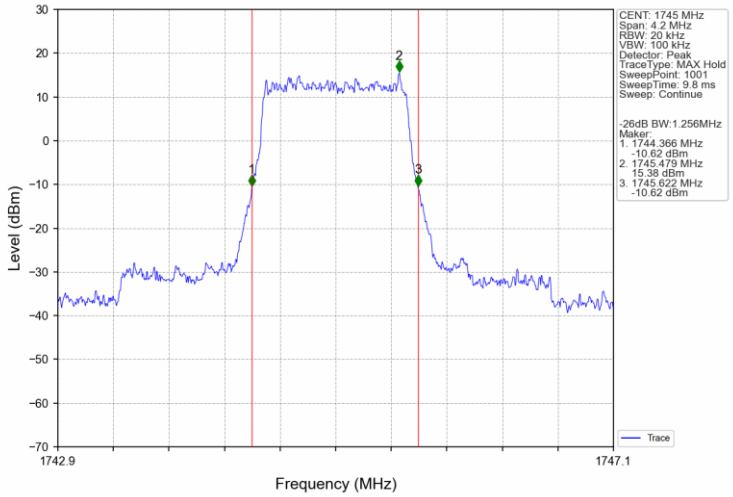


4.2.2 Band66_XDB

Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



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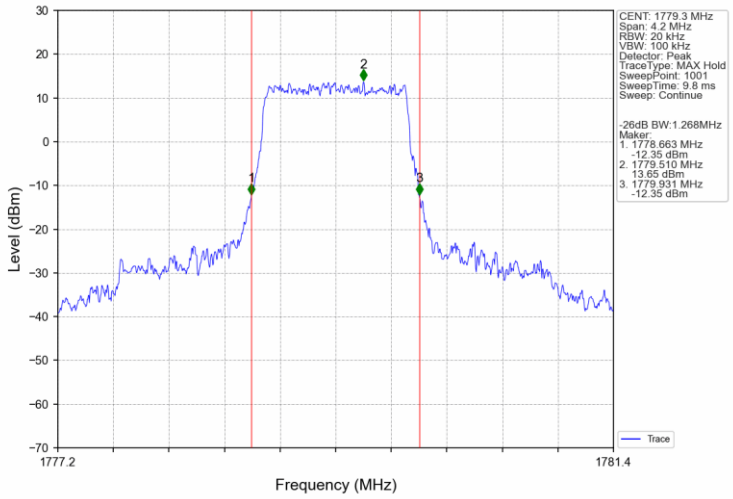
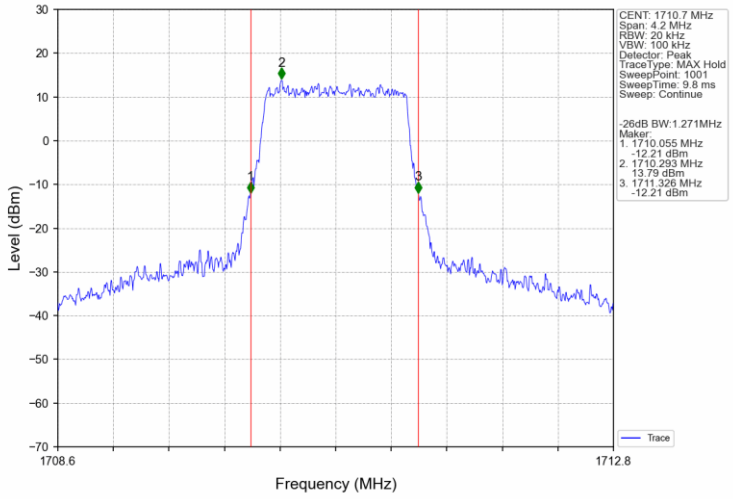
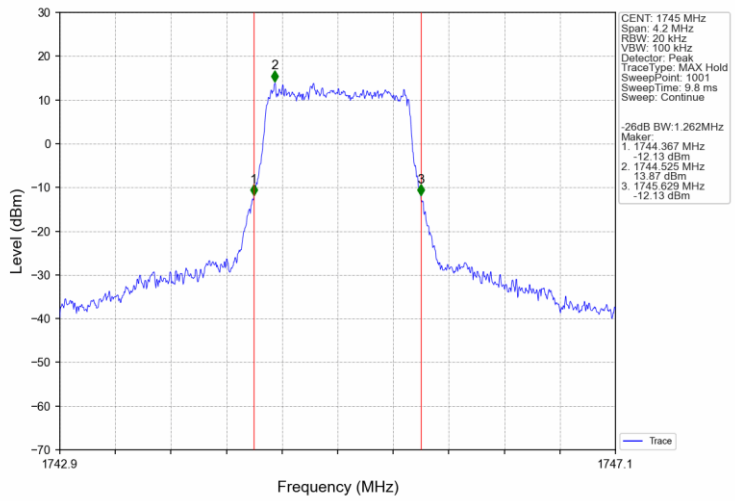


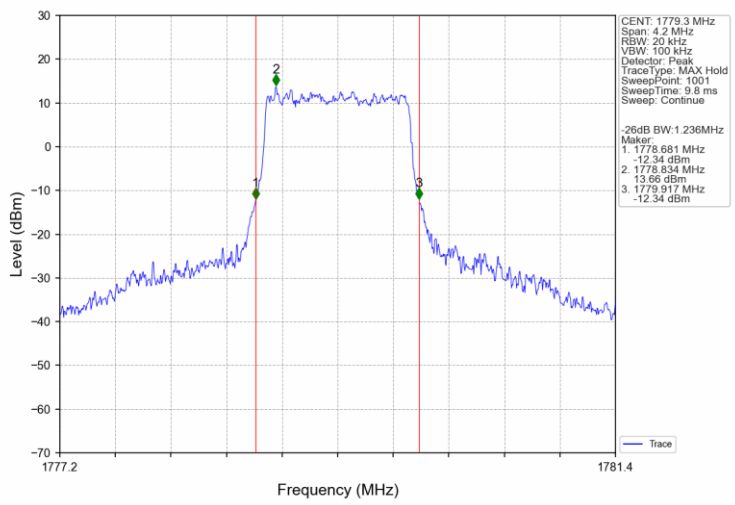
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



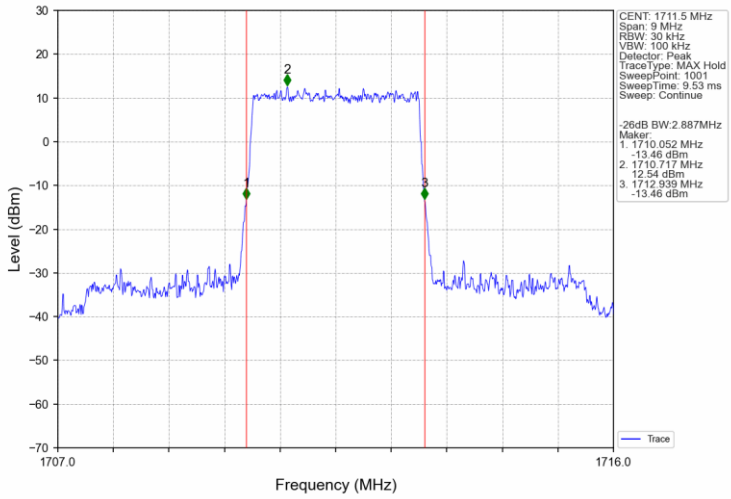
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



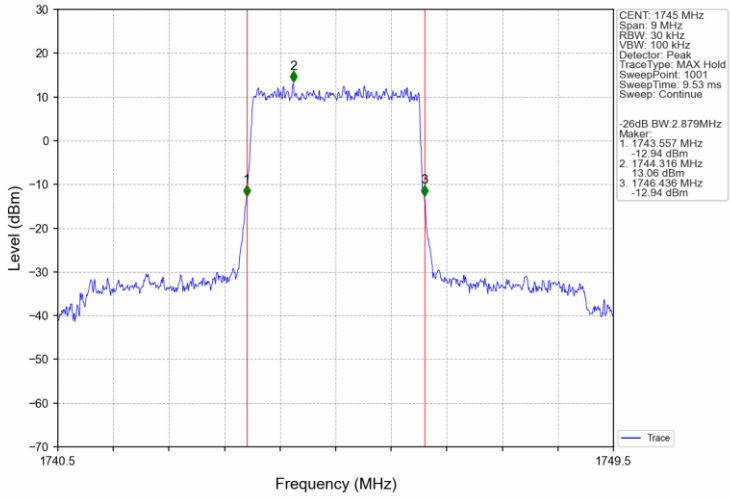
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



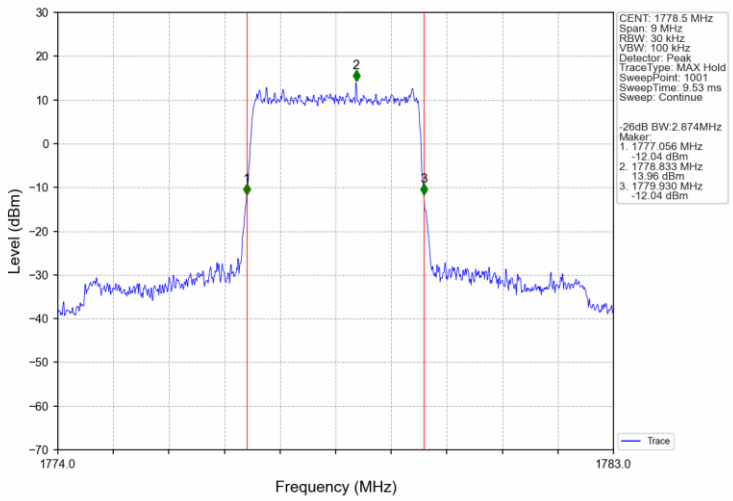
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



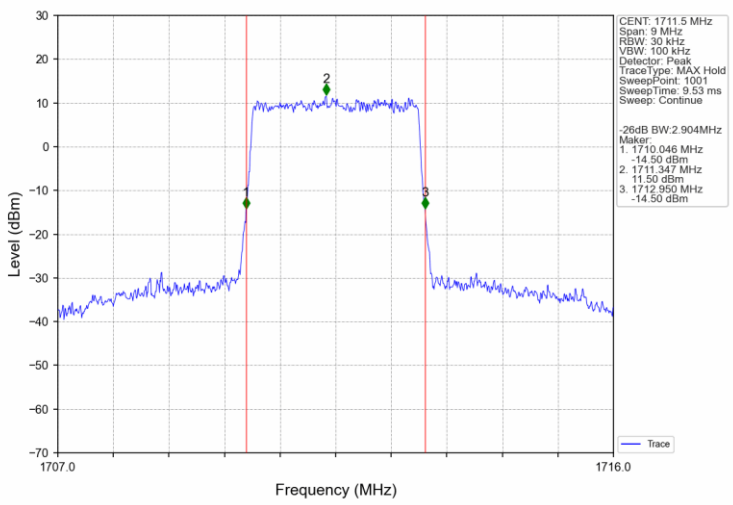
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



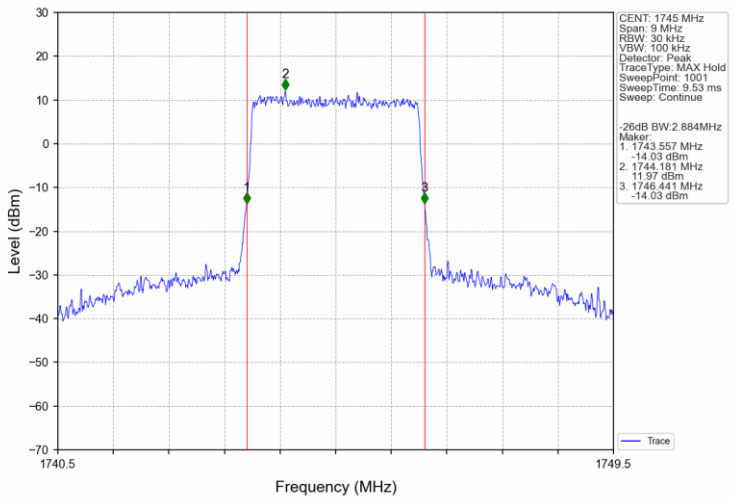
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



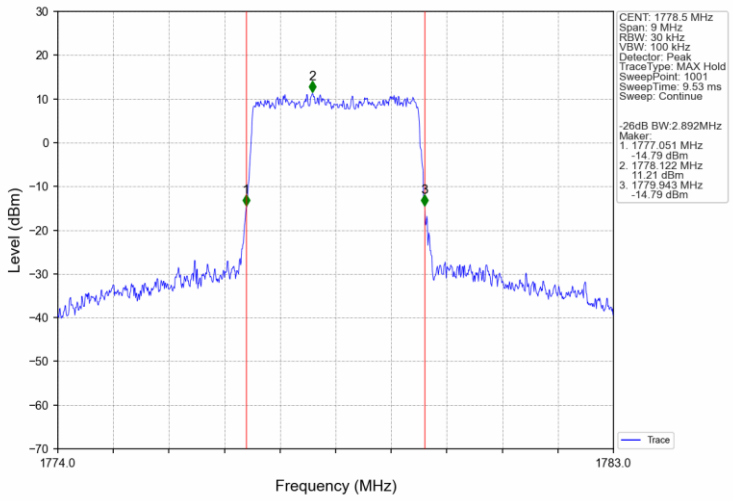
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



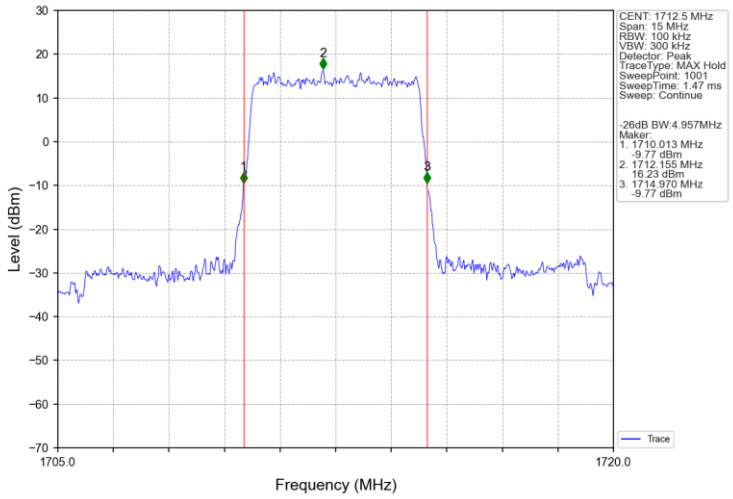
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



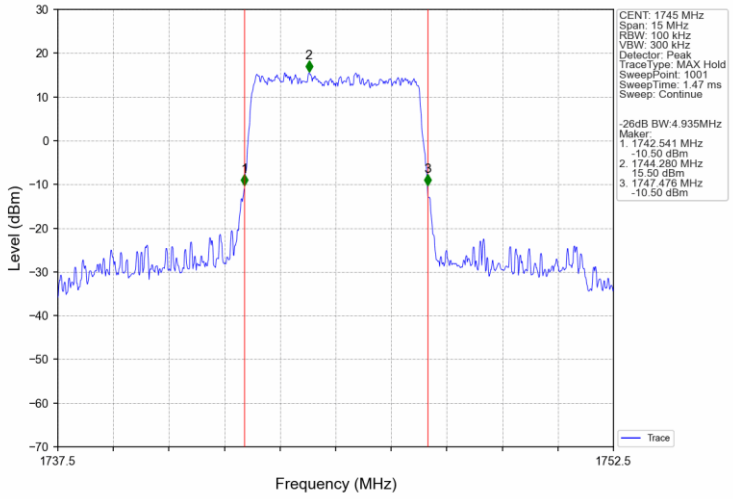
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



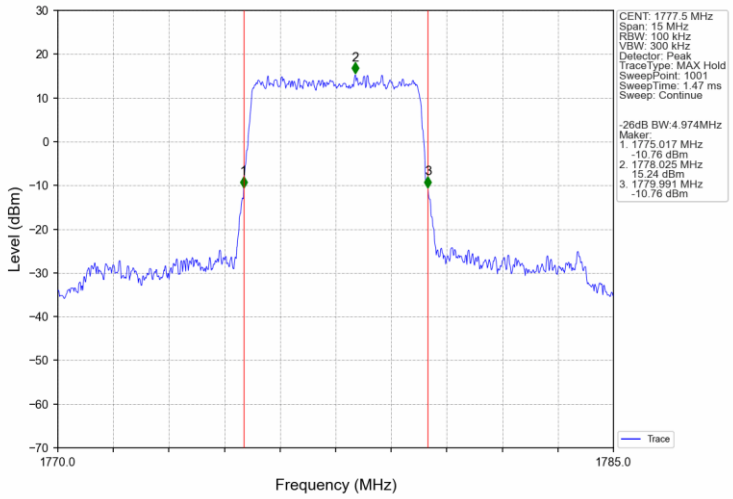
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



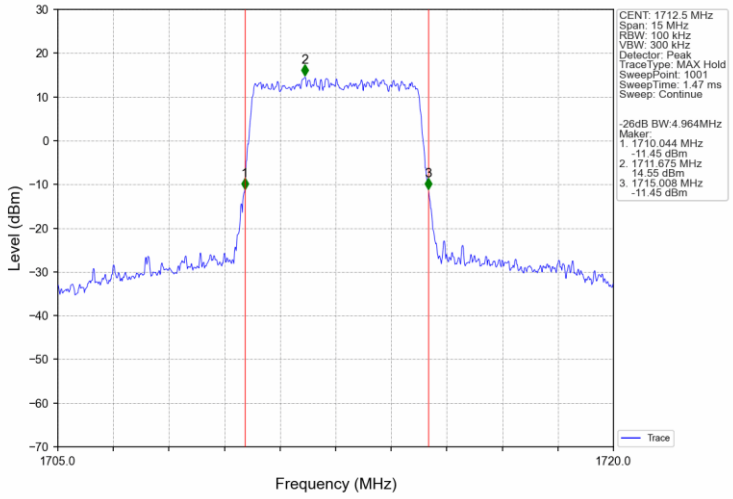
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



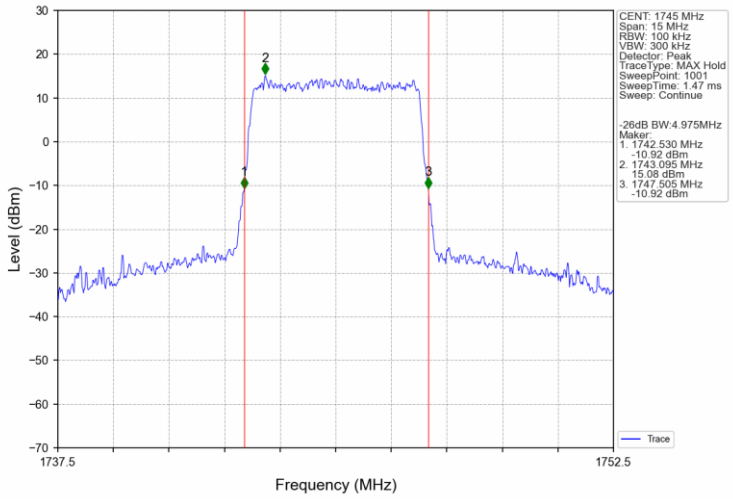
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



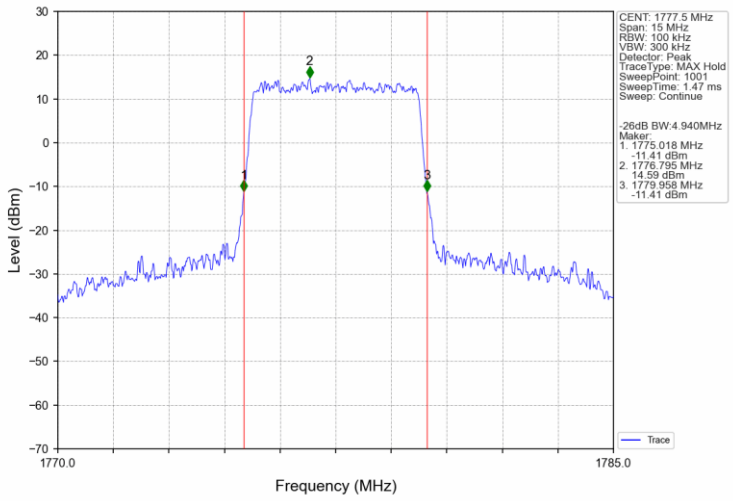
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



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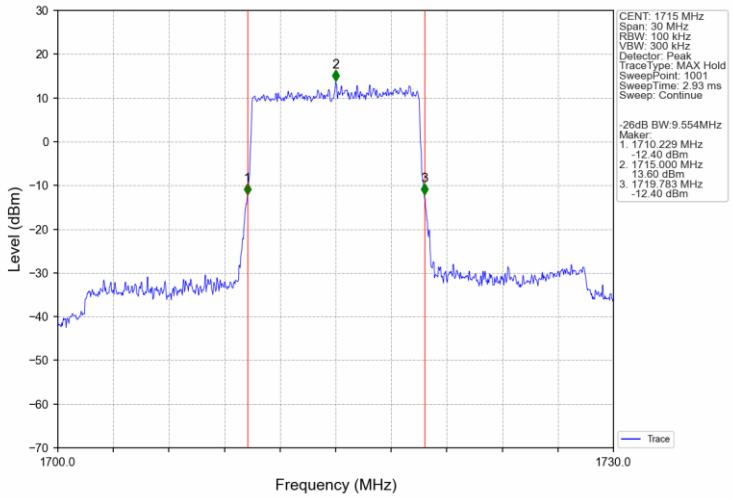
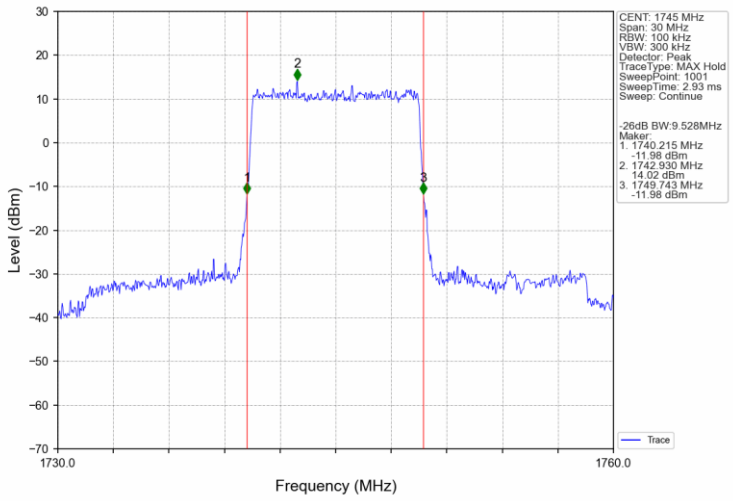
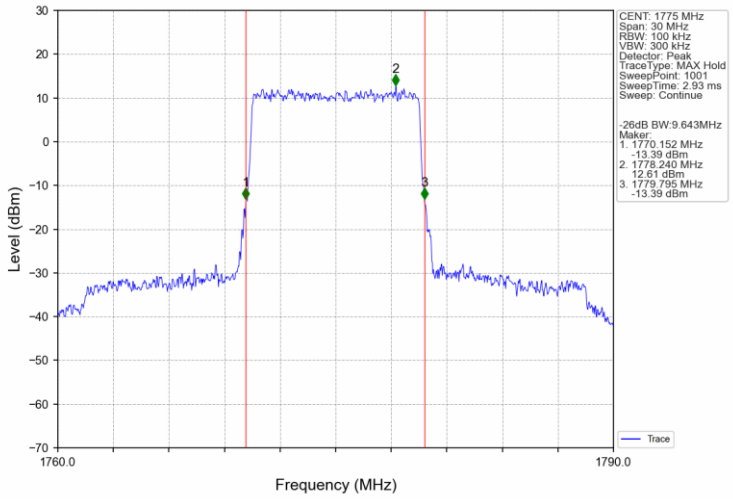


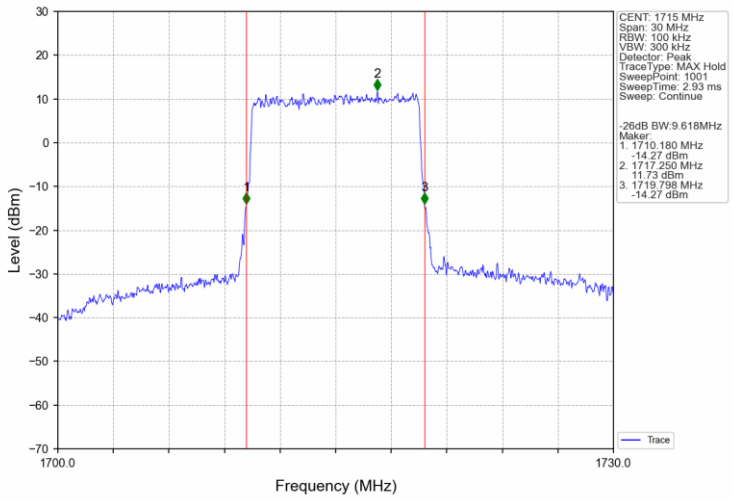
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



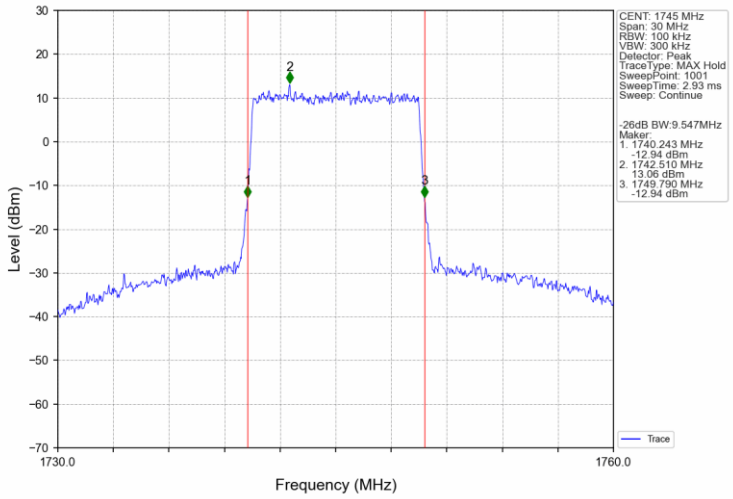
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



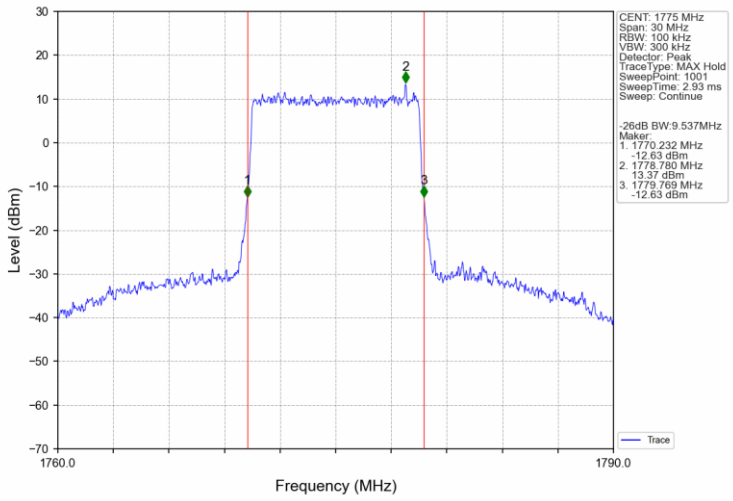
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



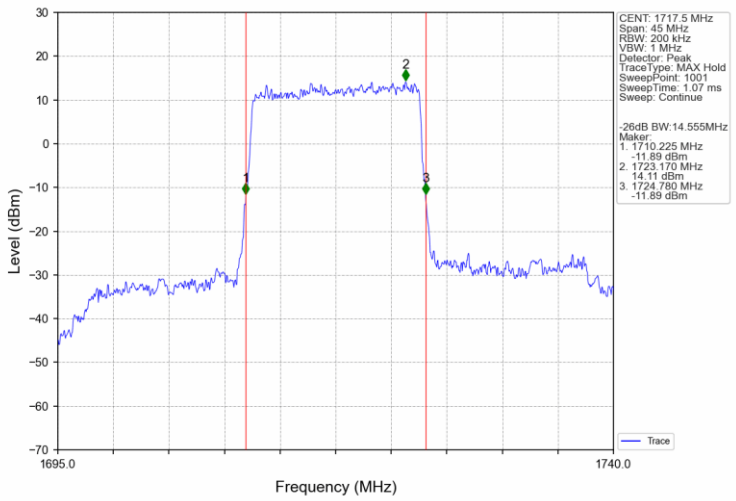
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



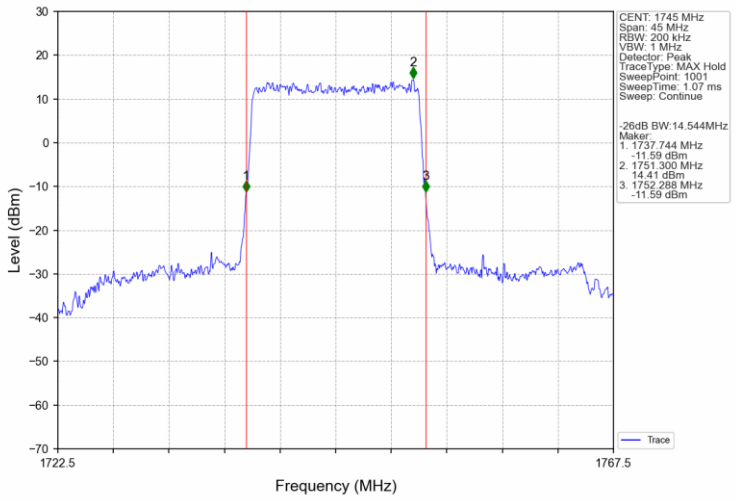
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



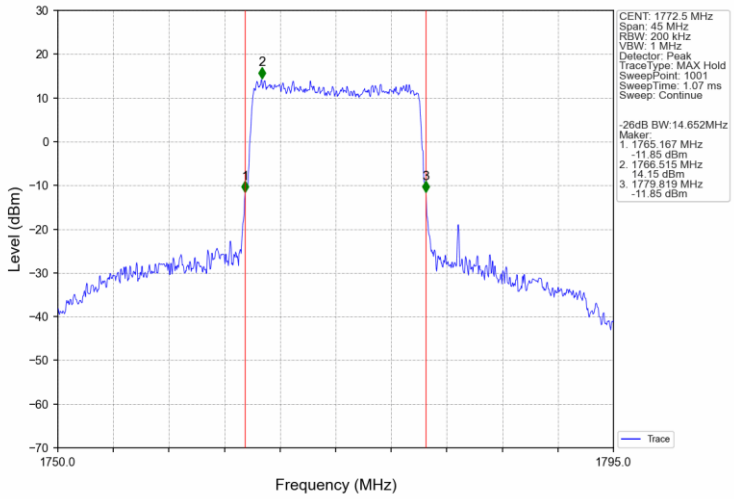
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



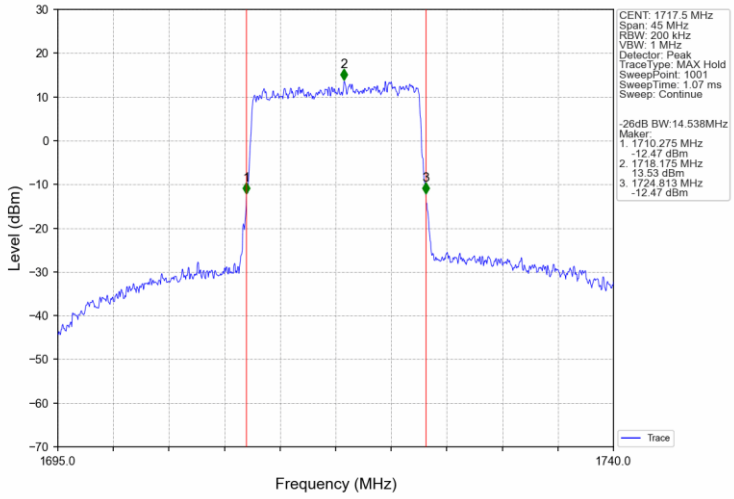
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



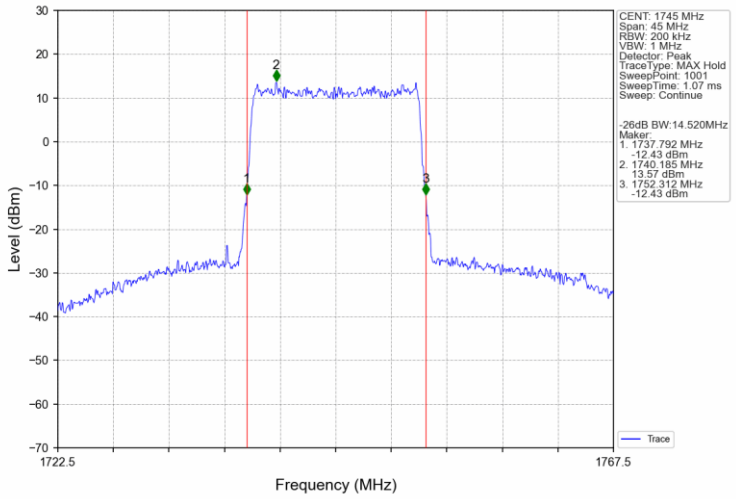
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



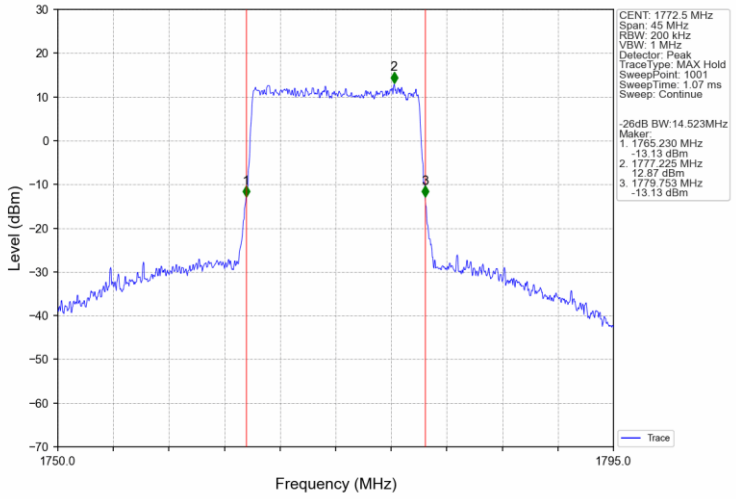
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



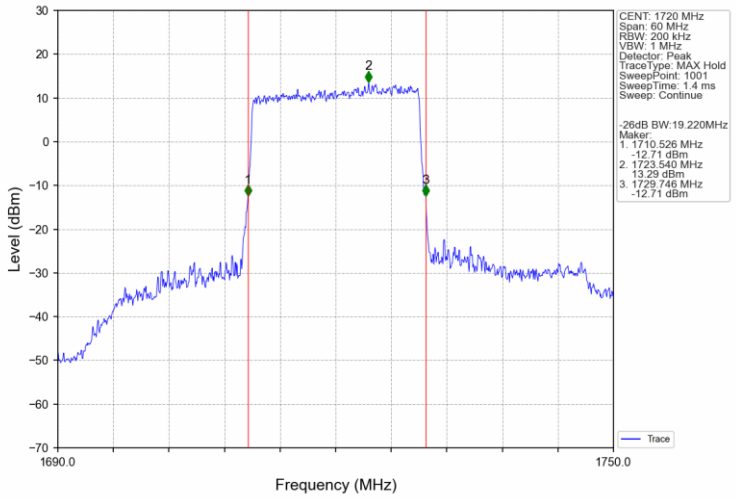
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



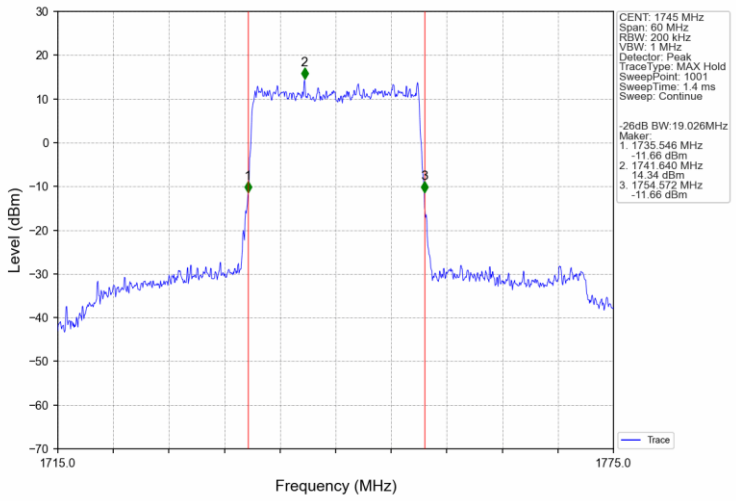
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



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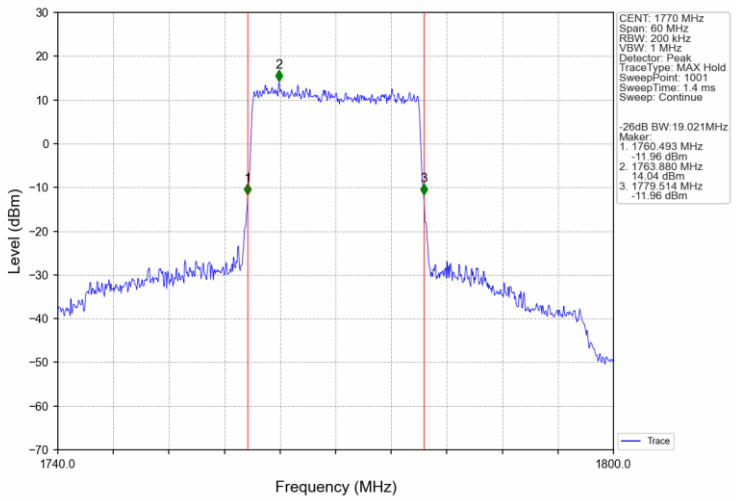
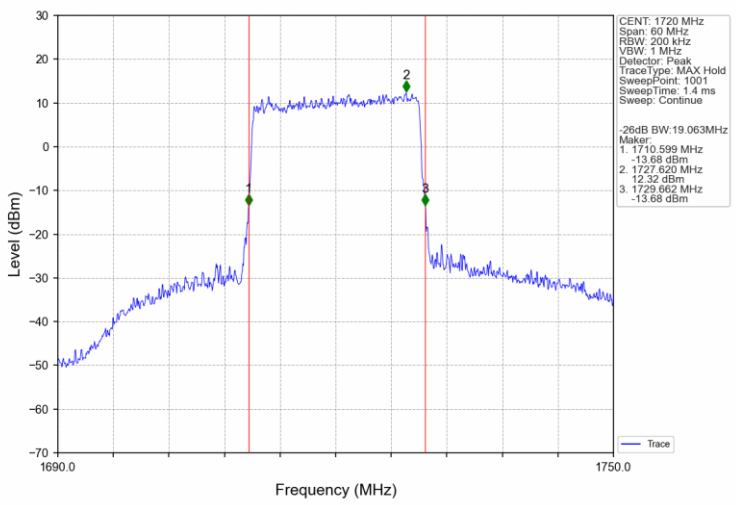
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV