

Appendix RF 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 / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.70	1.27	24.97	<=30	Pass
			2	23.72	1.27	24.99	<=30	Pass
			5	23.66	1.27	24.93	<=30	Pass
		3	0	23.66	1.27	24.93	<=30	Pass
			2	23.66	1.27	24.93	<=30	Pass
			3	23.65	1.27	24.92	<=30	Pass
		6	0	22.64	1.27	23.91	<=30	Pass
	1745	1	0	23.49	1.27	24.76	<=30	Pass
			2	23.51	1.27	24.78	<=30	Pass
			5	23.50	1.27	24.77	<=30	Pass
		3	0	23.53	1.27	24.80	<=30	Pass
			2	23.51	1.27	24.78	<=30	Pass
			3	23.51	1.27	24.78	<=30	Pass
		6	0	22.55	1.27	23.82	<=30	Pass
	1779.3	1	0	23.82	1.27	25.09	<=30	Pass
			2	23.85	1.27	25.12	<=30	Pass
			5	23.79	1.27	25.06	<=30	Pass
		3	0	23.81	1.27	25.08	<=30	Pass
			2	23.82	1.27	25.09	<=30	Pass
			3	23.82	1.27	25.09	<=30	Pass
		6	0	22.80	1.27	24.07	<=30	Pass
16QAM	1710.7	1	0	22.58	1.27	23.85	<=30	Pass
			2	22.61	1.27	23.88	<=30	Pass
			5	22.58	1.27	23.85	<=30	Pass
		3	0	22.44	1.27	23.71	<=30	Pass
			2	22.44	1.27	23.71	<=30	Pass
			3	22.44	1.27	23.71	<=30	Pass
		6	0	21.62	1.27	22.89	<=30	Pass
	1745	1	0	22.61	1.27	23.88	<=30	Pass
			2	22.60	1.27	23.87	<=30	Pass
			5	22.62	1.27	23.89	<=30	Pass
		3	0	22.62	1.27	23.89	<=30	Pass
			2	22.56	1.27	23.83	<=30	Pass
			3	22.58	1.27	23.85	<=30	Pass
		6	0	21.59	1.27	22.86	<=30	Pass
	1779.3	1	0	23.16	1.27	24.43	<=30	Pass
			2	23.18	1.27	24.45	<=30	Pass
			5	23.11	1.27	24.38	<=30	Pass
		3	0	22.79	1.27	24.06	<=30	Pass
			2	22.79	1.27	24.06	<=30	Pass
			3	22.80	1.27	24.07	<=30	Pass
		6	0	21.79	1.27	23.06	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B66_3MHz_EIRP

Band: 66 / Bandwidth: 3MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.72	1.27	24.99	<=30	Pass
			7	23.73	1.27	25.00	<=30	Pass
			14	23.67	1.27	24.94	<=30	Pass
		8	0	22.64	1.27	23.91	<=30	Pass
			4	22.66	1.27	23.93	<=30	Pass
			7	22.61	1.27	23.88	<=30	Pass
		15	0	22.58	1.27	23.85	<=30	Pass
	1745	1	0	23.61	1.27	24.88	<=30	Pass
			7	23.63	1.27	24.90	<=30	Pass
			14	23.60	1.27	24.87	<=30	Pass
		8	0	22.54	1.27	23.81	<=30	Pass
			4	22.52	1.27	23.79	<=30	Pass
			7	22.50	1.27	23.77	<=30	Pass
		15	0	22.54	1.27	23.81	<=30	Pass
	1778.5	1	0	23.70	1.27	24.97	<=30	Pass
			7	23.72	1.27	24.99	<=30	Pass
			14	23.73	1.27	25.00	<=30	Pass
		8	0	22.74	1.27	24.01	<=30	Pass
			4	22.75	1.27	24.02	<=30	Pass
			7	22.74	1.27	24.01	<=30	Pass
		15	0	22.74	1.27	24.01	<=30	Pass
16QAM	1711.5	1	0	22.99	1.27	24.26	<=30	Pass
			7	23.05	1.27	24.32	<=30	Pass
			14	23.01	1.27	24.28	<=30	Pass
		8	0	21.70	1.27	22.97	<=30	Pass
			4	21.68	1.27	22.95	<=30	Pass
			7	21.68	1.27	22.95	<=30	Pass
		15	0	21.62	1.27	22.89	<=30	Pass
	1745	1	0	22.49	1.27	23.76	<=30	Pass
			7	22.53	1.27	23.80	<=30	Pass
			14	22.48	1.27	23.75	<=30	Pass
		8	0	21.52	1.27	22.79	<=30	Pass
			4	21.48	1.27	22.75	<=30	Pass
			7	21.49	1.27	22.76	<=30	Pass
		15	0	21.53	1.27	22.80	<=30	Pass
	1778.5	1	0	22.77	1.27	24.04	<=30	Pass
			7	22.81	1.27	24.08	<=30	Pass
			14	22.82	1.27	24.09	<=30	Pass
		8	0	21.75	1.27	23.02	<=30	Pass
			4	21.77	1.27	23.04	<=30	Pass
			7	21.75	1.27	23.02	<=30	Pass
		15	0	21.67	1.27	22.94	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B66_5MHz_EIRP

Band: 66 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.70	1.27	24.97	<=30	Pass
			13	23.64	1.27	24.91	<=30	Pass
			24	23.64	1.27	24.91	<=30	Pass



16QAM	1745	12	0	22.64	1.27	23.91	<=30	Pass
			6	22.62	1.27	23.89	<=30	Pass
			13	22.63	1.27	23.90	<=30	Pass
		25	0	22.62	1.27	23.89	<=30	Pass
		1	0	23.66	1.27	24.93	<=30	Pass
			13	23.60	1.27	24.87	<=30	Pass
			24	23.65	1.27	24.92	<=30	Pass
		12	0	22.62	1.27	23.89	<=30	Pass
			6	22.57	1.27	23.84	<=30	Pass
			13	22.47	1.27	23.74	<=30	Pass
		25	0	22.56	1.27	23.83	<=30	Pass
	1777.5	1	0	23.75	1.27	25.02	<=30	Pass
			13	23.78	1.27	25.05	<=30	Pass
			24	23.82	1.27	25.09	<=30	Pass
		12	0	22.84	1.27	24.11	<=30	Pass
			6	22.76	1.27	24.03	<=30	Pass
			13	22.71	1.27	23.98	<=30	Pass
		25	0	22.78	1.27	24.05	<=30	Pass
16QAM	1712.5	1	0	22.77	1.27	24.04	<=30	Pass
			13	22.75	1.27	24.02	<=30	Pass
			24	22.76	1.27	24.03	<=30	Pass
		12	0	21.62	1.27	22.89	<=30	Pass
			6	21.61	1.27	22.88	<=30	Pass
			13	21.57	1.27	22.84	<=30	Pass
		25	0	21.58	1.27	22.85	<=30	Pass
	1745	1	0	22.56	1.27	23.83	<=30	Pass
			13	22.50	1.27	23.77	<=30	Pass
			24	22.58	1.27	23.85	<=30	Pass
		12	0	21.65	1.27	22.92	<=30	Pass
			6	21.59	1.27	22.86	<=30	Pass
			13	21.49	1.27	22.76	<=30	Pass
		25	0	21.64	1.27	22.91	<=30	Pass
	1777.5	1	0	23.14	1.27	24.41	<=30	Pass
			13	23.18	1.27	24.45	<=30	Pass
			24	23.23	1.27	24.50	<=30	Pass
		12	0	21.85	1.27	23.12	<=30	Pass
			6	21.74	1.27	23.01	<=30	Pass
			13	21.71	1.27	22.98	<=30	Pass
		25	0	21.76	1.27	23.03	<=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	23.60	1.27	24.87	<=30	Pass
			25	23.64	1.27	24.91	<=30	Pass
			49	23.60	1.27	24.87	<=30	Pass
		25	0	22.57	1.27	23.84	<=30	Pass
			13	22.65	1.27	23.92	<=30	Pass
			25	22.59	1.27	23.86	<=30	Pass
		50	0	22.61	1.27	23.88	<=30	Pass
	1745	1	0	23.65	1.27	24.92	<=30	Pass
			25	23.70	1.27	24.97	<=30	Pass
			49	23.66	1.27	24.93	<=30	Pass
		25	0	22.61	1.27	23.88	<=30	Pass
			13	22.56	1.27	23.83	<=30	Pass



		50	25	22.58	1.27	23.85	<=30	Pass
			0	22.60	1.27	23.87	<=30	Pass
	1775	1	0	23.80	1.27	25.07	<=30	Pass
			25	23.85	1.27	25.12	<=30	Pass
			49	23.89	1.27	25.16	<=30	Pass
		25	0	22.78	1.27	24.05	<=30	Pass
			13	22.73	1.27	24.00	<=30	Pass
			25	22.69	1.27	23.96	<=30	Pass
		50	0	22.75	1.27	24.02	<=30	Pass
16QAM	1715	1	0	22.67	1.27	23.94	<=30	Pass
			25	22.70	1.27	23.97	<=30	Pass
			49	22.69	1.27	23.96	<=30	Pass
		12	0	22.53	1.27	23.80	<=30	Pass
			19	22.60	1.27	23.87	<=30	Pass
			38	22.58	1.27	23.85	<=30	Pass
		27	0	21.56	1.27	22.83	<=30	Pass
	1745	1	0	22.95	1.27	24.22	<=30	Pass
			25	23.01	1.27	24.28	<=30	Pass
			49	23.01	1.27	24.28	<=30	Pass
		12	0	22.59	1.27	23.86	<=30	Pass
			19	22.61	1.27	23.88	<=30	Pass
			38	22.62	1.27	23.89	<=30	Pass
		27	0	21.59	1.27	22.86	<=30	Pass
	1775	1	0	22.69	1.27	23.96	<=30	Pass
			25	22.71	1.27	23.98	<=30	Pass
			49	22.74	1.27	24.01	<=30	Pass
		12	0	22.73	1.27	24.00	<=30	Pass
			19	22.71	1.27	23.98	<=30	Pass
			38	22.74	1.27	24.01	<=30	Pass
		27	23	21.66	1.27	22.93	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B66_15MHz_EIRP

Band: 66 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.65	1.27	24.92	<=30	Pass
			38	23.68	1.27	24.95	<=30	Pass
			74	23.65	1.27	24.92	<=30	Pass
		36	0	22.62	1.27	23.89	<=30	Pass
			18	22.63	1.27	23.90	<=30	Pass
			39	22.62	1.27	23.89	<=30	Pass
		75	0	22.63	1.27	23.90	<=30	Pass
	1745	1	0	23.60	1.27	24.87	<=30	Pass
			38	23.63	1.27	24.90	<=30	Pass
			74	23.60	1.27	24.87	<=30	Pass
		36	0	22.56	1.27	23.83	<=30	Pass
			18	22.56	1.27	23.83	<=30	Pass
			39	22.51	1.27	23.78	<=30	Pass
		75	0	22.54	1.27	23.81	<=30	Pass
	1772.5	1	0	23.61	1.27	24.88	<=30	Pass
			38	23.67	1.27	24.94	<=30	Pass
			74	23.70	1.27	24.97	<=30	Pass
		36	0	22.61	1.27	23.88	<=30	Pass
			18	22.73	1.27	24.00	<=30	Pass
			39	22.61	1.27	23.88	<=30	Pass
		75	0	22.69	1.27	23.96	<=30	Pass



16QAM	1717.5	1	0	22.60	1.27	23.87	<=30	Pass
			38	22.67	1.27	23.94	<=30	Pass
			74	22.64	1.27	23.91	<=30	Pass
		12	0	22.60	1.27	23.87	<=30	Pass
			31	22.62	1.27	23.89	<=30	Pass
			63	22.58	1.27	23.85	<=30	Pass
		27	0	21.64	1.27	22.91	<=30	Pass
	1745	1	0	22.48	1.27	23.75	<=30	Pass
			38	22.50	1.27	23.77	<=30	Pass
			74	22.46	1.27	23.73	<=30	Pass
		12	0	22.55	1.27	23.82	<=30	Pass
			31	22.56	1.27	23.83	<=30	Pass
			63	22.48	1.27	23.75	<=30	Pass
		27	0	21.55	1.27	22.82	<=30	Pass
	1772.5	1	0	22.68	1.27	23.95	<=30	Pass
			38	22.73	1.27	24.00	<=30	Pass
			74	22.78	1.27	24.05	<=30	Pass
		12	0	22.65	1.27	23.92	<=30	Pass
			31	22.71	1.27	23.98	<=30	Pass
			63	22.69	1.27	23.96	<=30	Pass
		27	48	21.67	1.27	22.94	<=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	23.62	1.27	24.89	<=30	Pass
			50	23.71	1.27	24.98	<=30	Pass
			99	23.62	1.27	24.89	<=30	Pass
		50	0	22.66	1.27	23.93	<=30	Pass
			25	22.68	1.27	23.95	<=30	Pass
			50	22.60	1.27	23.87	<=30	Pass
		100	0	22.66	1.27	23.93	<=30	Pass
	1745	1	0	23.56	1.27	24.83	<=30	Pass
			50	23.64	1.27	24.91	<=30	Pass
			99	23.60	1.27	24.87	<=30	Pass
		50	0	22.54	1.27	23.81	<=30	Pass
			25	22.64	1.27	23.91	<=30	Pass
			50	22.51	1.27	23.78	<=30	Pass
		100	0	22.50	1.27	23.77	<=30	Pass
	1770	1	0	23.59	1.27	24.86	<=30	Pass
			50	23.72	1.27	24.99	<=30	Pass
			99	23.74	1.27	25.01	<=30	Pass
		50	0	22.60	1.27	23.87	<=30	Pass
			25	22.75	1.27	24.02	<=30	Pass
			50	22.63	1.27	23.90	<=30	Pass
		100	0	22.59	1.27	23.86	<=30	Pass
16QAM	1720	1	0	22.65	1.27	23.92	<=30	Pass
			50	22.71	1.27	23.98	<=30	Pass
			99	22.66	1.27	23.93	<=30	Pass
		12	0	22.43	1.27	23.70	<=30	Pass
			44	22.56	1.27	23.83	<=30	Pass
			88	22.42	1.27	23.69	<=30	Pass
		27	0	21.48	1.27	22.75	<=30	Pass
	1745	1	0	22.40	1.27	23.67	<=30	Pass
			50	22.49	1.27	23.76	<=30	Pass



		12	99	22.44	1.27	23.71	<=30	Pass
			0	22.56	1.27	23.83	<=30	Pass
			44	22.65	1.27	23.92	<=30	Pass
			88	22.56	1.27	23.83	<=30	Pass
	1770	27	0	21.38	1.27	22.65	<=30	Pass
			0	22.96	1.27	24.23	<=30	Pass
			50	23.13	1.27	24.40	<=30	Pass
		12	99	23.14	1.27	24.41	<=30	Pass
			0	22.58	1.27	23.85	<=30	Pass
			44	22.71	1.27	23.98	<=30	Pass
			88	22.71	1.27	23.98	<=30	Pass
		27	73	21.59	1.27	22.86	<=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	0.429	0.0003	-2.5 to 2.5	Pass
					3.85	2.904	0.0017	-2.5 to 2.5	Pass
					4.43	3.719	0.0022	-2.5 to 2.5	Pass
				-30	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.974	0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				0	3.85	5.021	0.0029	-2.5 to 2.5	Pass
				10	3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				50	3.85	5.808	0.0034	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	-15.135	-0.0087	-2.5 to 2.5	Pass
					3.85	4.406	0.0025	-2.5 to 2.5	Pass
					4.43	3.462	0.0020	-2.5 to 2.5	Pass
				-30	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				-20	3.85	2.947	0.0017	-2.5 to 2.5	Pass
				-10	3.85	3.791	0.0022	-2.5 to 2.5	Pass
				0	3.85	4.234	0.0024	-2.5 to 2.5	Pass
				10	3.85	3.290	0.0019	-2.5 to 2.5	Pass
				30	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				40	3.85	3.104	0.0018	-2.5 to 2.5	Pass
				50	3.85	2.961	0.0017	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	0.916	0.0005	-2.5 to 2.5	Pass
					3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
					4.43	2.232	0.0013	-2.5 to 2.5	Pass
				-30	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				-10	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				0	3.85	5.450	0.0031	-2.5 to 2.5	Pass
				10	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.688	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.629	0.0004	-2.5 to 2.5	Pass



16QAM	1710.7	6	0	20	3.27	4.005	0.0023	-2.5 to 2.5	Pass
					3.85	0.272	0.0002	-2.5 to 2.5	Pass
					4.43	-0.544	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.362	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.429	0.0003	-2.5 to 2.5	Pass
				10	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				30	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.043	0.0000	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	4.363	0.0025	-2.5 to 2.5	Pass
					3.85	9.270	0.0053	-2.5 to 2.5	Pass
					4.43	6.595	0.0038	-2.5 to 2.5	Pass
				-30	3.85	6.022	0.0035	-2.5 to 2.5	Pass
				-20	3.85	7.396	0.0042	-2.5 to 2.5	Pass
				-10	3.85	2.890	0.0017	-2.5 to 2.5	Pass
				0	3.85	3.891	0.0022	-2.5 to 2.5	Pass
				10	3.85	3.276	0.0019	-2.5 to 2.5	Pass
				30	3.85	7.467	0.0043	-2.5 to 2.5	Pass
				40	3.85	3.519	0.0020	-2.5 to 2.5	Pass
				50	3.85	6.752	0.0039	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	1.945	0.0011	-2.5 to 2.5	Pass
					3.85	0.072	0.0000	-2.5 to 2.5	Pass
					4.43	-2.103	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	2.174	0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				40	3.85	2.689	0.0015	-2.5 to 2.5	Pass
				50	3.85	2.947	0.0017	-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	-1.788	-0.0010	-2.5 to 2.5	Pass
					3.85	1.602	0.0009	-2.5 to 2.5	Pass
					4.43	8.125	0.0047	-2.5 to 2.5	Pass
				-30	3.85	6.523	0.0038	-2.5 to 2.5	Pass
				-20	3.85	6.652	0.0039	-2.5 to 2.5	Pass
				-10	3.85	4.807	0.0028	-2.5 to 2.5	Pass
				0	3.85	7.710	0.0045	-2.5 to 2.5	Pass
				10	3.85	6.466	0.0038	-2.5 to 2.5	Pass
				30	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				40	3.85	5.021	0.0029	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	2.732	0.0016	-2.5 to 2.5	Pass
					3.85	9.027	0.0052	-2.5 to 2.5	Pass
					4.43	9.499	0.0054	-2.5 to 2.5	Pass
				-30	3.85	10.200	0.0058	-2.5 to 2.5	Pass
				-20	3.85	13.418	0.0077	-2.5 to 2.5	Pass
				-10	3.85	9.999	0.0057	-2.5 to 2.5	Pass
				0	3.85	1.988	0.0011	-2.5 to 2.5	Pass
				10	3.85	5.250	0.0030	-2.5 to 2.5	Pass



				30	3.85	7.024	0.0040	-2.5 to 2.5	Pass
				40	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				50	3.85	4.106	0.0024	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-6.509	-0.0037	-2.5 to 2.5	Pass
					3.85	0.143	0.0001	-2.5 to 2.5	Pass
					4.43	2.732	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				0	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.389	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	3.347	0.0020	-2.5 to 2.5	Pass
					3.85	1.059	0.0006	-2.5 to 2.5	Pass
					4.43	0.129	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.302	0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.916	0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				30	3.85	2.146	0.0013	-2.5 to 2.5	Pass
				40	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				50	3.85	3.405	0.0020	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	2.074	0.0012	-2.5 to 2.5	Pass
					3.85	2.618	0.0015	-2.5 to 2.5	Pass
					4.43	1.459	0.0008	-2.5 to 2.5	Pass
				-30	3.85	6.180	0.0035	-2.5 to 2.5	Pass
				-20	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				-10	3.85	5.965	0.0034	-2.5 to 2.5	Pass
				0	3.85	4.420	0.0025	-2.5 to 2.5	Pass
				10	3.85	5.565	0.0032	-2.5 to 2.5	Pass
				30	3.85	4.935	0.0028	-2.5 to 2.5	Pass
				40	3.85	7.911	0.0045	-2.5 to 2.5	Pass
				50	3.85	1.030	0.0006	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	1.845	0.0010	-2.5 to 2.5	Pass
					3.85	-2.561	-0.0014	-2.5 to 2.5	Pass
					4.43	4.606	0.0026	-2.5 to 2.5	Pass
				-30	3.85	2.346	0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.973	0.0005	-2.5 to 2.5	Pass
				-10	3.85	6.008	0.0034	-2.5 to 2.5	Pass
				0	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				30	3.85	6.480	0.0036	-2.5 to 2.5	Pass
				40	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
				50	3.85	3.233	0.0018	-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	-1.702	-0.0010	-2.5 to 2.5	Pass
					3.85	4.506	0.0026	-2.5 to 2.5	Pass
					4.43	3.662	0.0021	-2.5 to 2.5	Pass
				-30	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				-20	3.85	5.550	0.0032	-2.5 to 2.5	Pass



				-10	3.85	3.905	0.0023	-2.5 to 2.5	Pass	
				0	3.85	3.533	0.0021	-2.5 to 2.5	Pass	
				10	3.85	1.330	0.0008	-2.5 to 2.5	Pass	
				30	3.85	5.579	0.0033	-2.5 to 2.5	Pass	
				40	3.85	9.127	0.0053	-2.5 to 2.5	Pass	
				50	3.85	2.317	0.0014	-2.5 to 2.5	Pass	
	1745	25	0	20	3.27	5.150	0.0030	-2.5 to 2.5	Pass	
					3.85	4.621	0.0026	-2.5 to 2.5	Pass	
					4.43	3.147	0.0018	-2.5 to 2.5	Pass	
				-30	3.85	2.818	0.0016	-2.5 to 2.5	Pass	
				-20	3.85	7.267	0.0042	-2.5 to 2.5	Pass	
				-10	3.85	3.691	0.0021	-2.5 to 2.5	Pass	
				0	3.85	5.536	0.0032	-2.5 to 2.5	Pass	
				10	3.85	3.877	0.0022	-2.5 to 2.5	Pass	
				30	3.85	3.719	0.0021	-2.5 to 2.5	Pass	
				40	3.85	6.065	0.0035	-2.5 to 2.5	Pass	
				50	3.85	3.390	0.0019	-2.5 to 2.5	Pass	
				1777.5	25	0	20	3.27	3.347	0.0019
	3.85	-0.343	-0.0002					-2.5 to 2.5	Pass	
	4.43	2.432	0.0014					-2.5 to 2.5	Pass	
	-30	3.85	3.705				0.0021	-2.5 to 2.5	Pass	
	-20	3.85	2.203				0.0012	-2.5 to 2.5	Pass	
	-10	3.85	6.094				0.0034	-2.5 to 2.5	Pass	
	0	3.85	2.060				0.0012	-2.5 to 2.5	Pass	
	10	3.85	-0.257				-0.0001	-2.5 to 2.5	Pass	
	30	3.85	1.316				0.0007	-2.5 to 2.5	Pass	
	40	3.85	4.334				0.0024	-2.5 to 2.5	Pass	
	50	3.85	3.777				0.0021	-2.5 to 2.5	Pass	
	16QAM	1712.5	25				0	20	3.27	5.093
				3.85	7.267	0.0042			-2.5 to 2.5	Pass
4.43				4.392	0.0026	-2.5 to 2.5			Pass	
-30				3.85	4.292	0.0025		-2.5 to 2.5	Pass	
-20				3.85	2.518	0.0015		-2.5 to 2.5	Pass	
-10				3.85	2.918	0.0017		-2.5 to 2.5	Pass	
0				3.85	7.524	0.0044		-2.5 to 2.5	Pass	
10				3.85	7.381	0.0043		-2.5 to 2.5	Pass	
30				3.85	5.093	0.0030		-2.5 to 2.5	Pass	
40				3.85	4.263	0.0025		-2.5 to 2.5	Pass	
50				3.85	2.003	0.0012		-2.5 to 2.5	Pass	
1745				25	0	20		3.27	5.236	0.0030
		3.85	4.148				0.0024	-2.5 to 2.5	Pass	
		4.43	1.330				0.0008	-2.5 to 2.5	Pass	
		-30	3.85			2.203	0.0013	-2.5 to 2.5	Pass	
		-20	3.85			5.007	0.0029	-2.5 to 2.5	Pass	
		-10	3.85			1.159	0.0007	-2.5 to 2.5	Pass	
		0	3.85			2.546	0.0015	-2.5 to 2.5	Pass	
		10	3.85			2.403	0.0014	-2.5 to 2.5	Pass	
		30	3.85			4.020	0.0023	-2.5 to 2.5	Pass	
		40	3.85			2.289	0.0013	-2.5 to 2.5	Pass	
		50	3.85			5.379	0.0031	-2.5 to 2.5	Pass	
		1777.5	25			0	20	3.27	3.848	0.0022
3.85				2.017	0.0011			-2.5 to 2.5	Pass	
4.43				4.478	0.0025			-2.5 to 2.5	Pass	
-30				3.85	0.615		0.0003	-2.5 to 2.5	Pass	
-20				3.85	1.187		0.0007	-2.5 to 2.5	Pass	
-10				3.85	3.319		0.0019	-2.5 to 2.5	Pass	
0				3.85	4.177		0.0023	-2.5 to 2.5	Pass	
10				3.85	-0.772		-0.0004	-2.5 to 2.5	Pass	
30	3.85	1.173	0.0007	-2.5 to 2.5	Pass					



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				40	3.85	3.748	0.0021	-2.5 to 2.5	Pass
				50	3.85	4.420	0.0025	-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	1.945	0.0011	-2.5 to 2.5	Pass
					3.85	4.163	0.0024	-2.5 to 2.5	Pass
					4.43	5.364	0.0031	-2.5 to 2.5	Pass
				-30	3.85	6.795	0.0040	-2.5 to 2.5	Pass
				-20	3.85	6.423	0.0037	-2.5 to 2.5	Pass
				-10	3.85	7.281	0.0042	-2.5 to 2.5	Pass
				0	3.85	8.183	0.0048	-2.5 to 2.5	Pass
				10	3.85	4.935	0.0029	-2.5 to 2.5	Pass
				30	3.85	4.277	0.0025	-2.5 to 2.5	Pass
				40	3.85	5.651	0.0033	-2.5 to 2.5	Pass
	1745	50	0	20	3.85	5.679	0.0033	-2.5 to 2.5	Pass
					3.27	-0.243	-0.0001	-2.5 to 2.5	Pass
					3.85	2.418	0.0014	-2.5 to 2.5	Pass
				-30	4.43	0.873	0.0005	-2.5 to 2.5	Pass
					3.85	2.604	0.0015	-2.5 to 2.5	Pass
					3.85	2.246	0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.146	0.0012	-2.5 to 2.5	Pass
	1775	50	0	20	3.85	0.987	0.0006	-2.5 to 2.5	Pass
					3.85	0.944	0.0005	-2.5 to 2.5	Pass
					3.27	0.701	0.0004	-2.5 to 2.5	Pass
				-30	3.85	2.975	0.0017	-2.5 to 2.5	Pass
					4.43	1.059	0.0006	-2.5 to 2.5	Pass
					3.85	1.945	0.0011	-2.5 to 2.5	Pass
				-20	3.85	4.134	0.0023	-2.5 to 2.5	Pass
				-10	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.273	0.0007	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.85	0.629	0.0004	-2.5 to 2.5	Pass
					3.85	2.589	0.0015	-2.5 to 2.5	Pass
					3.85	0.286	0.0002	-2.5 to 2.5	Pass
				-30	3.27	7.153	0.0042	-2.5 to 2.5	Pass
					3.85	6.380	0.0037	-2.5 to 2.5	Pass
					4.43	2.103	0.0012	-2.5 to 2.5	Pass
				-20	3.85	3.734	0.0022	-2.5 to 2.5	Pass
				-10	3.85	3.877	0.0023	-2.5 to 2.5	Pass
				0	3.85	5.422	0.0032	-2.5 to 2.5	Pass
				10	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
	1745	27	0	20	3.85	4.034	0.0024	-2.5 to 2.5	Pass
					3.85	3.276	0.0019	-2.5 to 2.5	Pass
					3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
					3.27	4.892	0.0028	-2.5 to 2.5	Pass
					3.85	3.061	0.0018	-2.5 to 2.5	Pass
					4.43	4.163	0.0024	-2.5 to 2.5	Pass
				-20	3.85	6.652	0.0038	-2.5 to 2.5	Pass
				-10	3.85	5.579	0.0032	-2.5 to 2.5	Pass
				0	3.85	4.249	0.0024	-2.5 to 2.5	Pass



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				0	3.85	4.492	0.0026	-2.5 to 2.5	Pass
				10	3.85	3.605	0.0021	-2.5 to 2.5	Pass
				30	3.85	5.007	0.0029	-2.5 to 2.5	Pass
				40	3.85	3.262	0.0019	-2.5 to 2.5	Pass
				50	3.85	3.633	0.0021	-2.5 to 2.5	Pass
	1775	27	23	20	3.27	2.031	0.0011	-2.5 to 2.5	Pass
					3.85	0.787	0.0004	-2.5 to 2.5	Pass
					4.43	4.435	0.0025	-2.5 to 2.5	Pass
				-30	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				0	3.85	2.460	0.0014	-2.5 to 2.5	Pass
				10	3.85	2.561	0.0014	-2.5 to 2.5	Pass
				30	3.85	2.260	0.0013	-2.5 to 2.5	Pass
				40	3.85	2.317	0.0013	-2.5 to 2.5	Pass
				50	3.85	0.715	0.0004	-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	1.373	0.0008	-2.5 to 2.5	Pass
					3.85	1.202	0.0007	-2.5 to 2.5	Pass
					4.43	2.632	0.0015	-2.5 to 2.5	Pass
				-30	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				-20	3.85	2.890	0.0017	-2.5 to 2.5	Pass
				-10	3.85	3.705	0.0022	-2.5 to 2.5	Pass
				0	3.85	2.303	0.0013	-2.5 to 2.5	Pass
				10	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				30	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				40	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				50	3.85	1.116	0.0006	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	0.486	0.0003	-2.5 to 2.5	Pass
					3.85	4.048	0.0023	-2.5 to 2.5	Pass
					4.43	2.460	0.0014	-2.5 to 2.5	Pass
				-30	3.85	2.847	0.0016	-2.5 to 2.5	Pass
				-20	3.85	4.148	0.0024	-2.5 to 2.5	Pass
				-10	3.85	1.574	0.0009	-2.5 to 2.5	Pass
				0	3.85	3.862	0.0022	-2.5 to 2.5	Pass
				10	3.85	5.593	0.0032	-2.5 to 2.5	Pass
				30	3.85	1.702	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.574	0.0009	-2.5 to 2.5	Pass
				50	3.85	3.233	0.0019	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	2.317	0.0013	-2.5 to 2.5	Pass
					3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
					4.43	2.174	0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.861	0.0016	-2.5 to 2.5	Pass
				10	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0006	-2.5 to 2.5	Pass
				50	3.85	1.788	0.0010	-2.5 to 2.5	Pass
16QAM	1717.5	27	0	20	3.27	2.203	0.0013	-2.5 to 2.5	Pass
					3.85	3.805	0.0022	-2.5 to 2.5	Pass
					4.43	0.873	0.0005	-2.5 to 2.5	Pass



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				-30	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				0	3.85	3.548	0.0021	-2.5 to 2.5	Pass
				10	3.85	2.618	0.0015	-2.5 to 2.5	Pass
				30	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				40	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				50	3.85	0.901	0.0005	-2.5 to 2.5	Pass
	1745	27	0	20	3.27	2.174	0.0012	-2.5 to 2.5	Pass
					3.85	1.588	0.0009	-2.5 to 2.5	Pass
					4.43	2.203	0.0013	-2.5 to 2.5	Pass
				-30	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				-10	3.85	3.076	0.0018	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				30	3.85	3.405	0.0020	-2.5 to 2.5	Pass
				40	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	2.990	0.0017	-2.5 to 2.5	Pass
	1772.5	27	48	20	3.27	0.858	0.0005	-2.5 to 2.5	Pass
					3.85	2.203	0.0012	-2.5 to 2.5	Pass
					4.43	2.632	0.0015	-2.5 to 2.5	Pass
				-30	3.85	2.403	0.0014	-2.5 to 2.5	Pass
				-20	3.85	2.375	0.0013	-2.5 to 2.5	Pass
				-10	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				0	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				10	3.85	1.488	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.947	0.0017	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				50	3.85	3.977	0.0022	-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	0.873	0.0005	-2.5 to 2.5	Pass
					3.85	5.035	0.0029	-2.5 to 2.5	Pass
					4.43	5.021	0.0029	-2.5 to 2.5	Pass
				-30	3.85	4.849	0.0028	-2.5 to 2.5	Pass
				-20	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				-10	3.85	4.435	0.0026	-2.5 to 2.5	Pass
				0	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				10	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				40	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.572	0.0003	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	0.973	0.0006	-2.5 to 2.5	Pass
					3.85	2.446	0.0014	-2.5 to 2.5	Pass
					4.43	2.389	0.0014	-2.5 to 2.5	Pass
				-30	3.85	3.033	0.0017	-2.5 to 2.5	Pass
				-20	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-10	3.85	3.219	0.0018	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.802	0.0010	-2.5 to 2.5	Pass
				40	3.85	3.734	0.0021	-2.5 to 2.5	Pass
				50	3.85	1.287	0.0007	-2.5 to 2.5	Pass



4

	1770	100	0	20	3.27	-2.060	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.402	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.615	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				30	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				50	3.85	1.645	0.0009	-2.5 to 2.5	Pass
16QAM	1720	27	0	20	3.27	-0.057	0.0000	-2.5 to 2.5	Pass
					3.85	2.003	0.0012	-2.5 to 2.5	Pass
					4.43	1.645	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				0	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.545	0.0009	-2.5 to 2.5	Pass
	1745	27	0	20	3.27	1.545	0.0009	-2.5 to 2.5	Pass
					3.85	2.532	0.0015	-2.5 to 2.5	Pass
					4.43	1.760	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				0	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				40	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				50	3.85	1.030	0.0006	-2.5 to 2.5	Pass
	1770	27	73	20	3.27	1.187	0.0007	-2.5 to 2.5	Pass
					3.85	1.488	0.0008	-2.5 to 2.5	Pass
					4.43	1.202	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.003	0.0011	-2.5 to 2.5	Pass
				10	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				50	3.85	4.363	0.0025	-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



4

16QAM	1745	6	0	Refer To Test Graph	Pass
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3.1.2 B66_3MHz

Band: 66 / Bandwidth: 3MHz / NTV						
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 / NTV						
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 / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	50	0	Refer To Test Graph		Pass
16QAM	1745	27	0	Refer To Test Graph		Pass

3.1.5 B66_15MHz

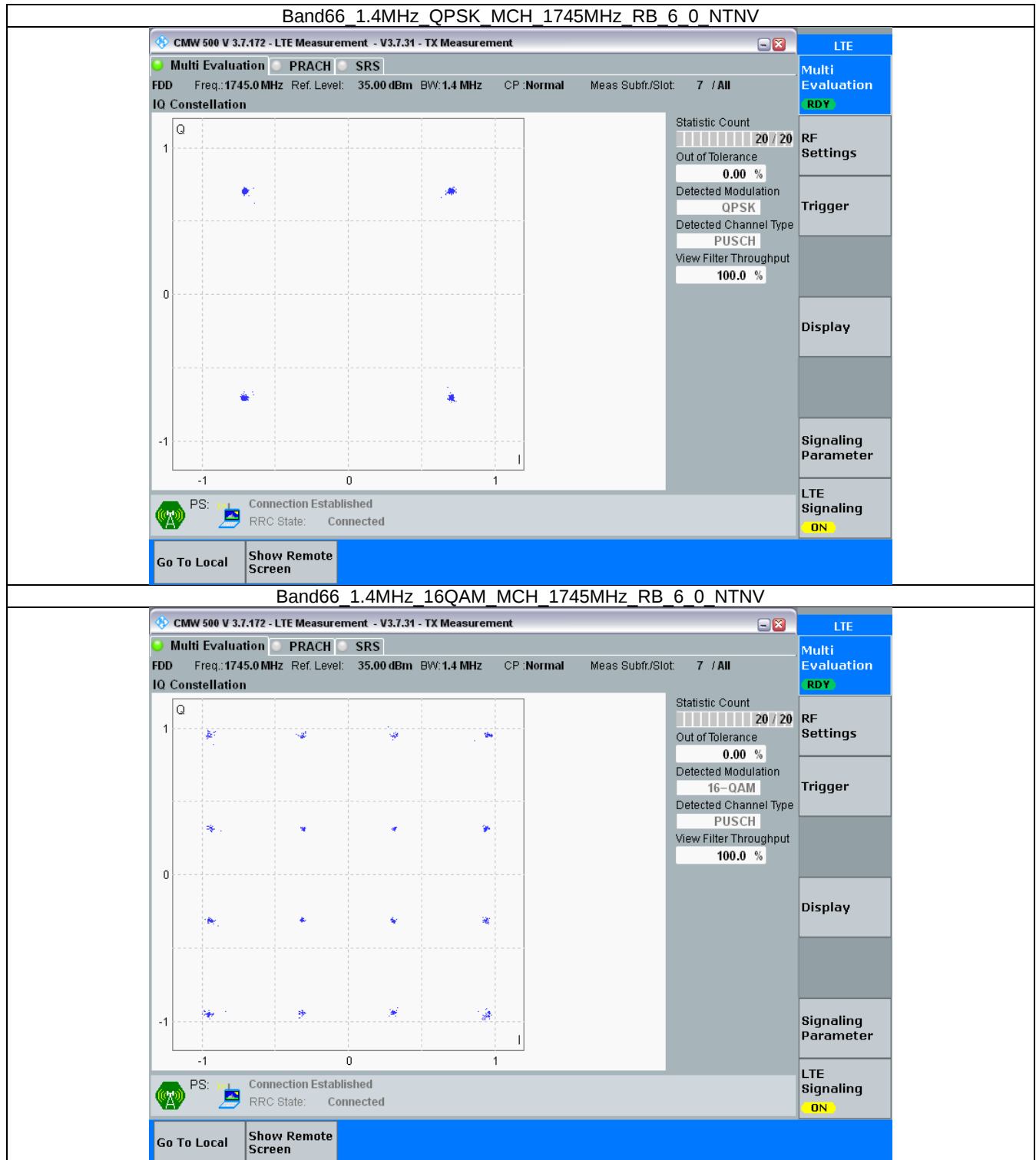
Band: 66 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	75	0	Refer To Test Graph		Pass
16QAM	1745	27	0	Refer To Test Graph		Pass

3.1.6 B66_20MHz

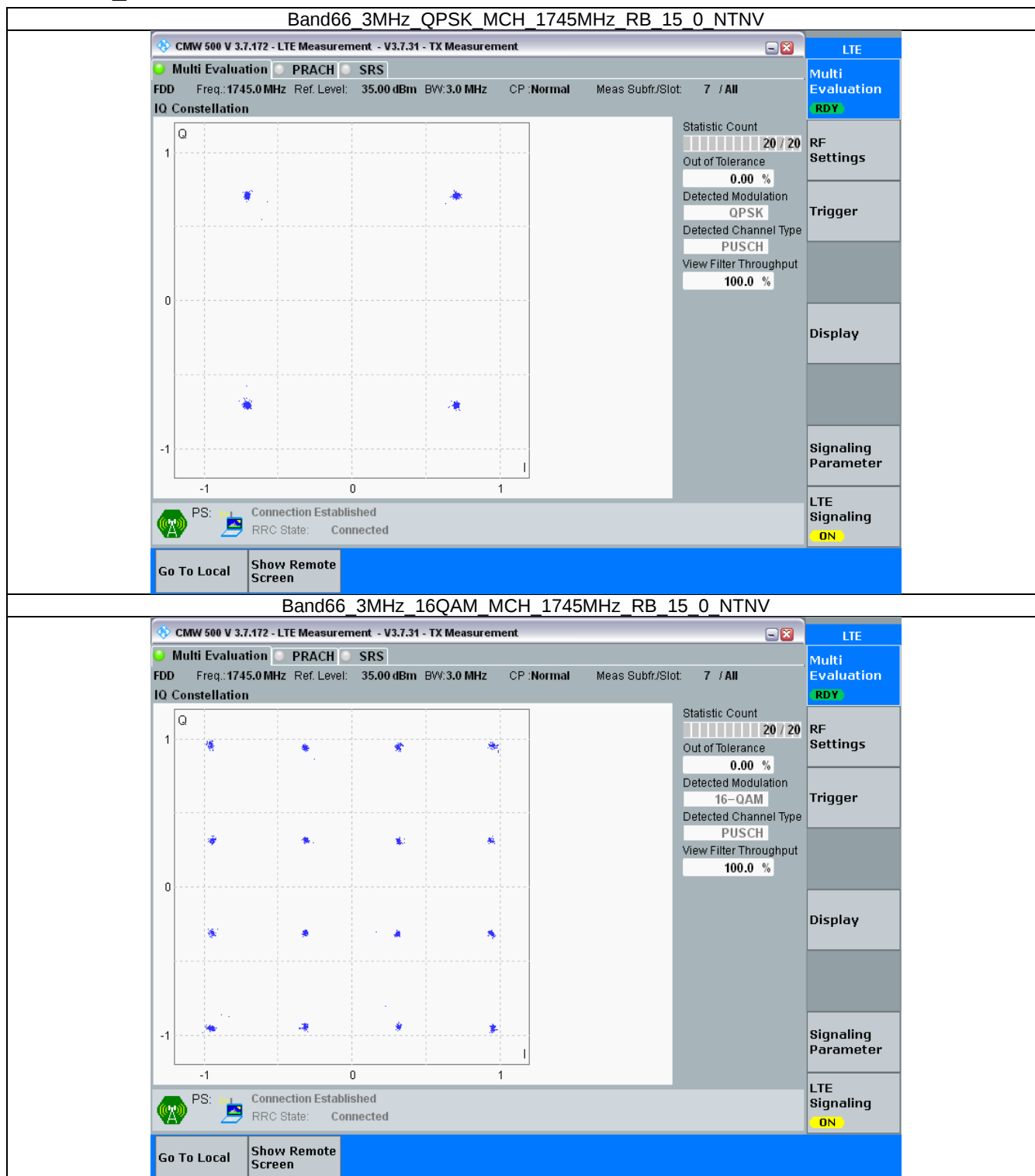
Band: 66 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	100	0	Refer To Test Graph		Pass
16QAM	1745	27	0	Refer To Test Graph		Pass

3.2 Test Graph

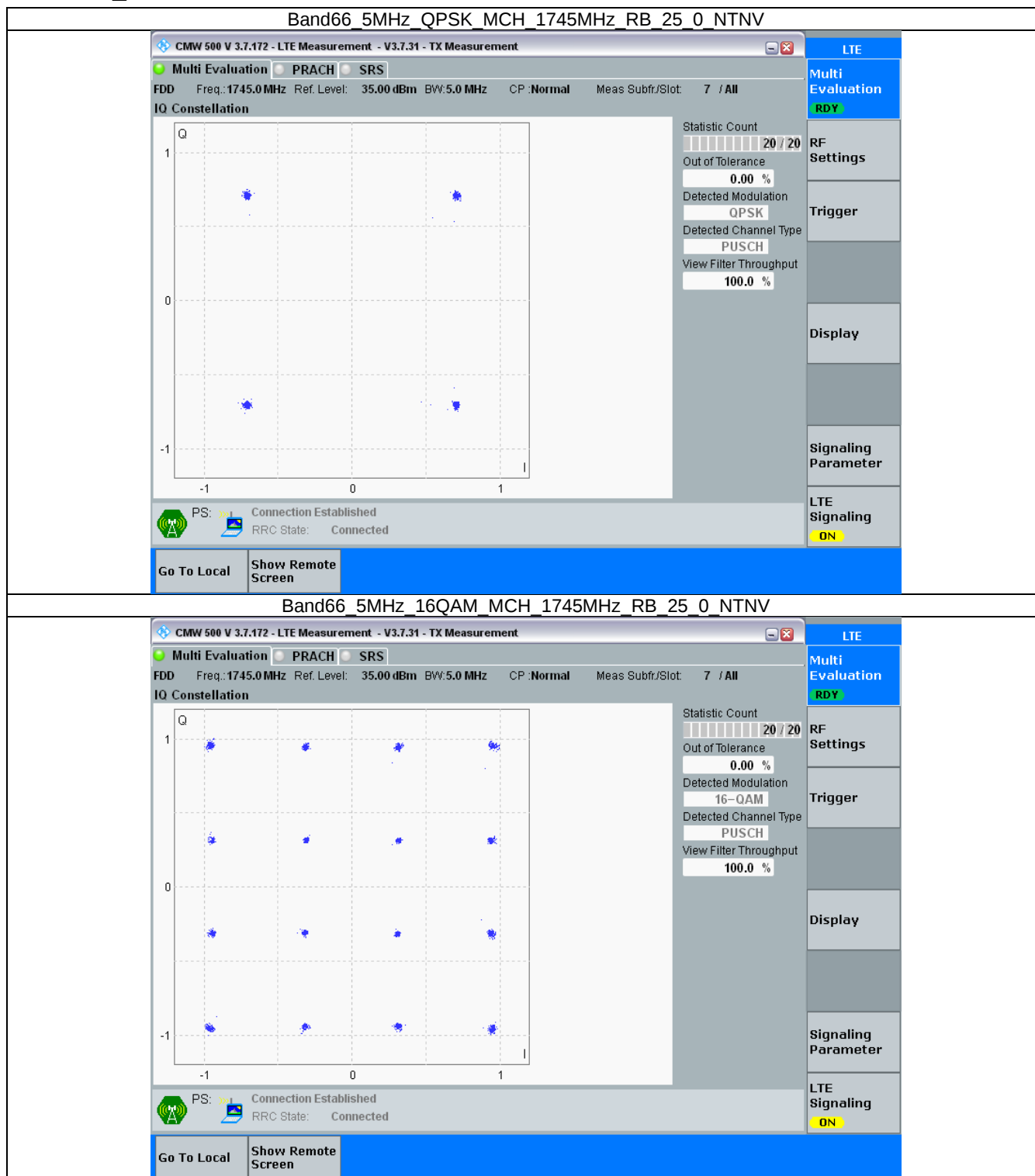
3.2.1 B66_1.4MHz



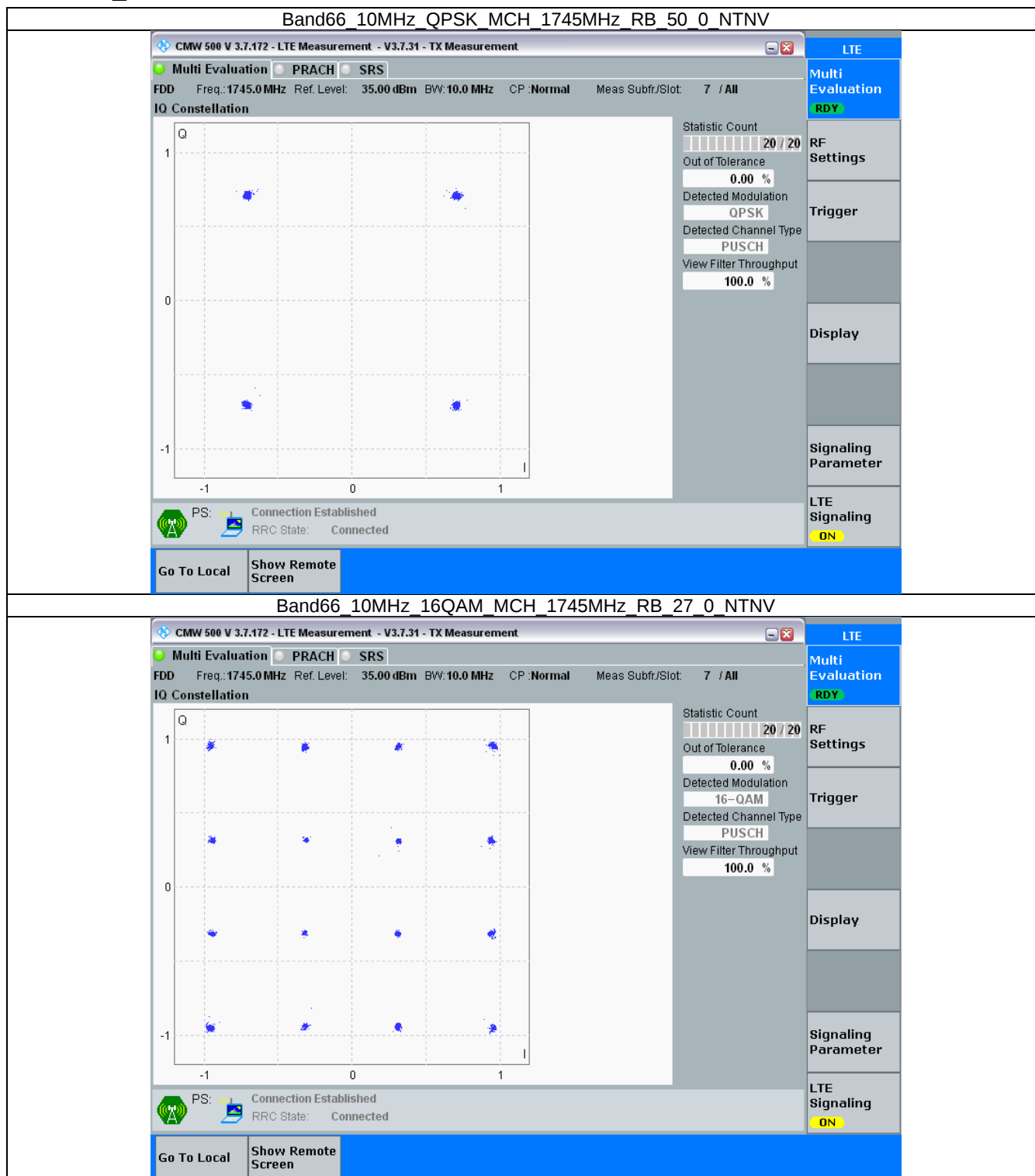
3.2.2 B66_3MHz



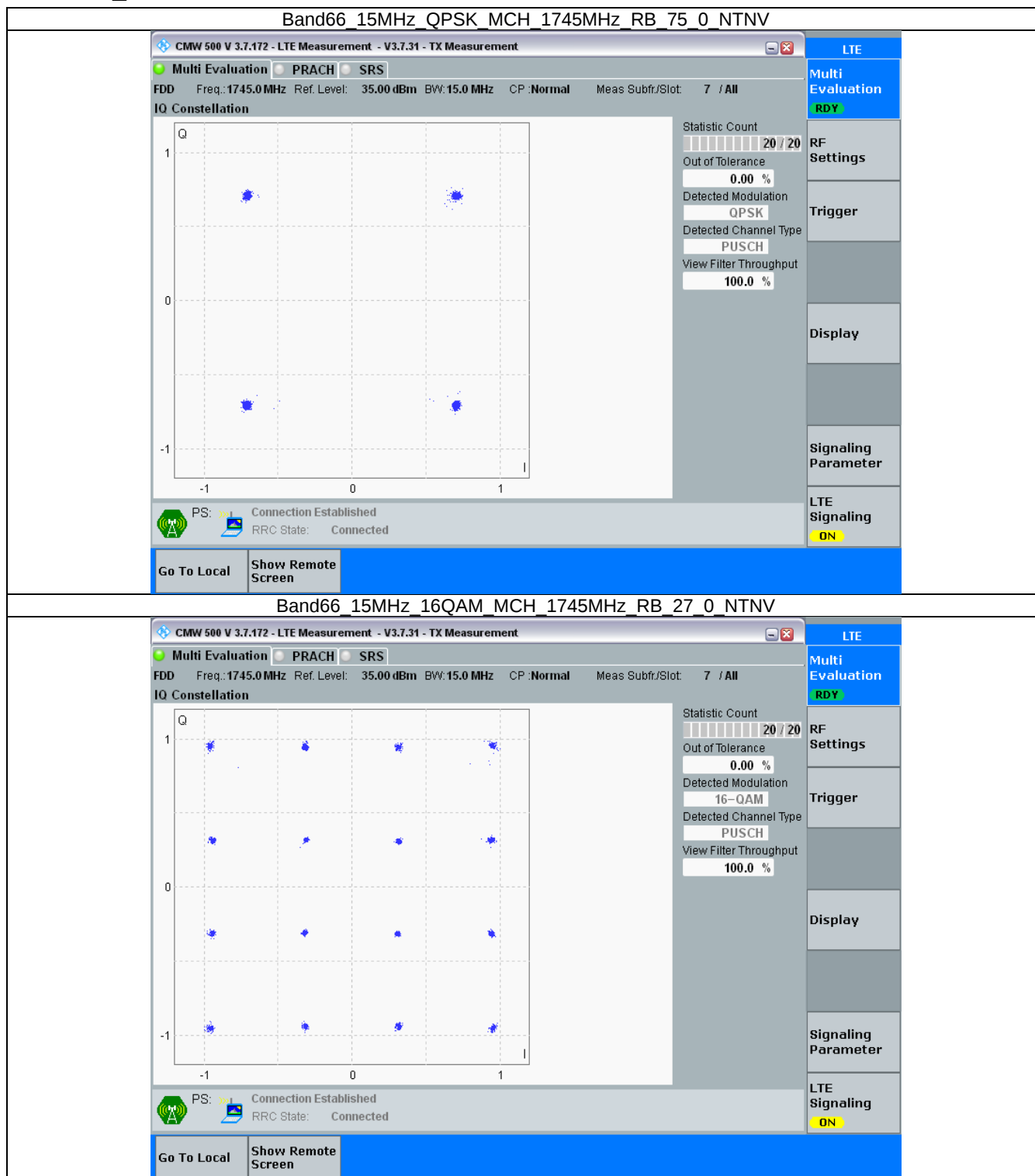
3.2.3 B66_5MHz



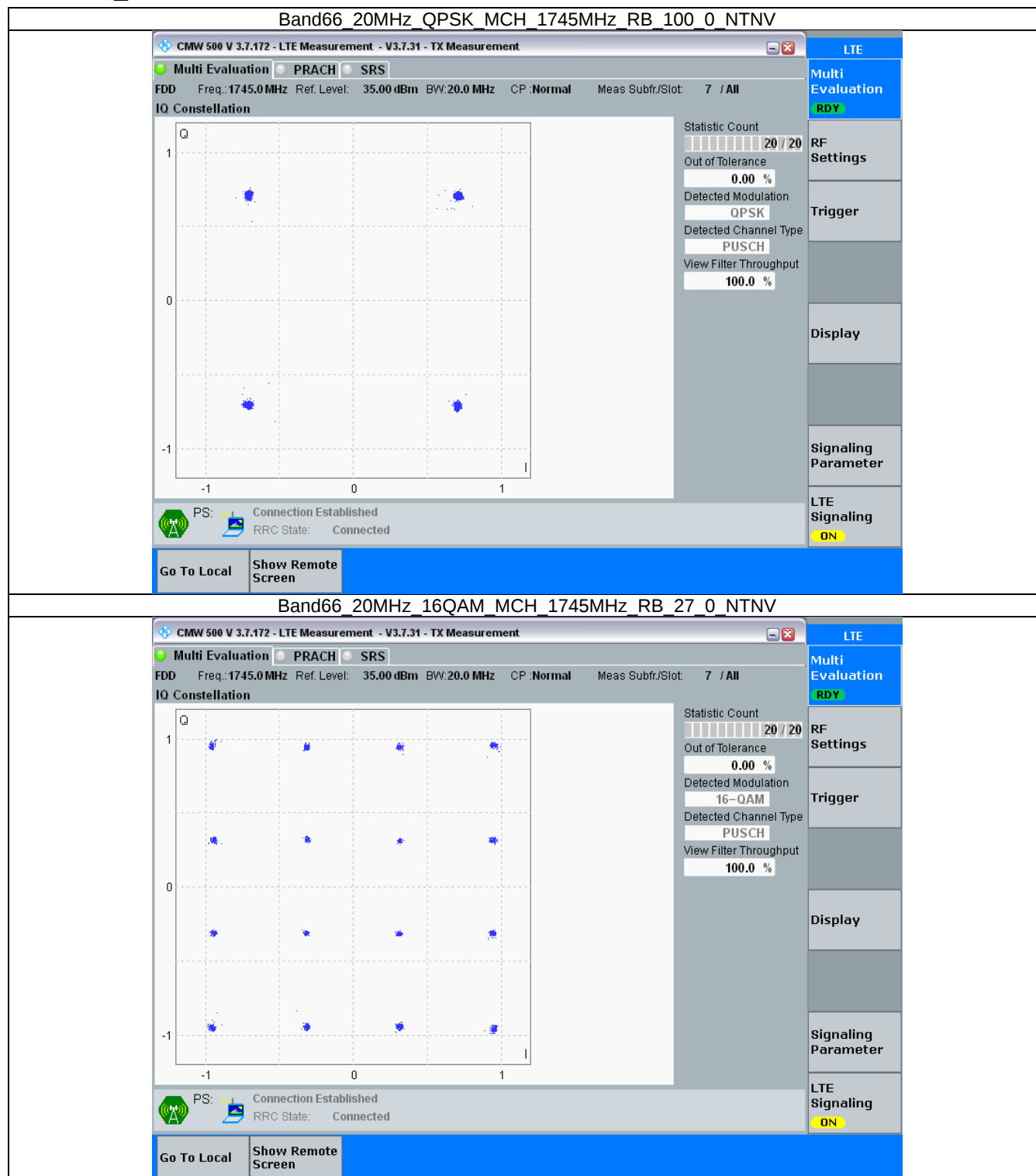
3.2.4 B66_10MHz



3.2.5 B66_15MHz



3.2.6 B66_20MHz



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	1.116	/	Pass
		1745	6	0	1.107	/	Pass
		1779.3	6	0	1.111	/	Pass
	16QAM	1710.7	6	0	1.105	/	Pass
		1745	6	0	1.120	/	Pass
		1779.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.727	/	Pass
		1745	15	0	2.736	/	Pass
		1778.5	15	0	2.736	/	Pass
	16QAM	1711.5	15	0	2.726	/	Pass
		1745	15	0	2.727	/	Pass
		1778.5	15	0	2.718	/	Pass
5	QPSK	1712.5	25	0	4.546	/	Pass
		1745	25	0	4.540	/	Pass
		1777.5	25	0	4.543	/	Pass
	16QAM	1712.5	25	0	4.530	/	Pass
		1745	25	0	4.550	/	Pass
		1777.5	25	0	4.556	/	Pass
10	QPSK	1715	50	0	9.032	/	Pass
		1745	50	0	9.079	/	Pass
		1775	50	0	9.038	/	Pass
	16QAM	1715	27	0	5.072	/	Pass
		1745	27	0	5.075	/	Pass
		1775	27	23	5.089	/	Pass
15	QPSK	1717.5	75	0	13.570	/	Pass
		1745	75	0	13.553	/	Pass
		1772.5	75	0	13.551	/	Pass
	16QAM	1717.5	27	0	5.378	/	Pass
		1745	27	0	5.296	/	Pass
		1772.5	27	48	5.287	/	Pass
20	QPSK	1720	100	0	18.085	/	Pass
		1745	100	0	18.115	/	Pass
		1770	100	0	18.012	/	Pass
	16QAM	1720	27	0	5.523	/	Pass
		1745	27	0	5.505	/	Pass
		1770	27	73	5.559	/	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	1.351	/	Pass
		1745	6	0	1.326	/	Pass
		1779.3	6	0	1.311	/	Pass



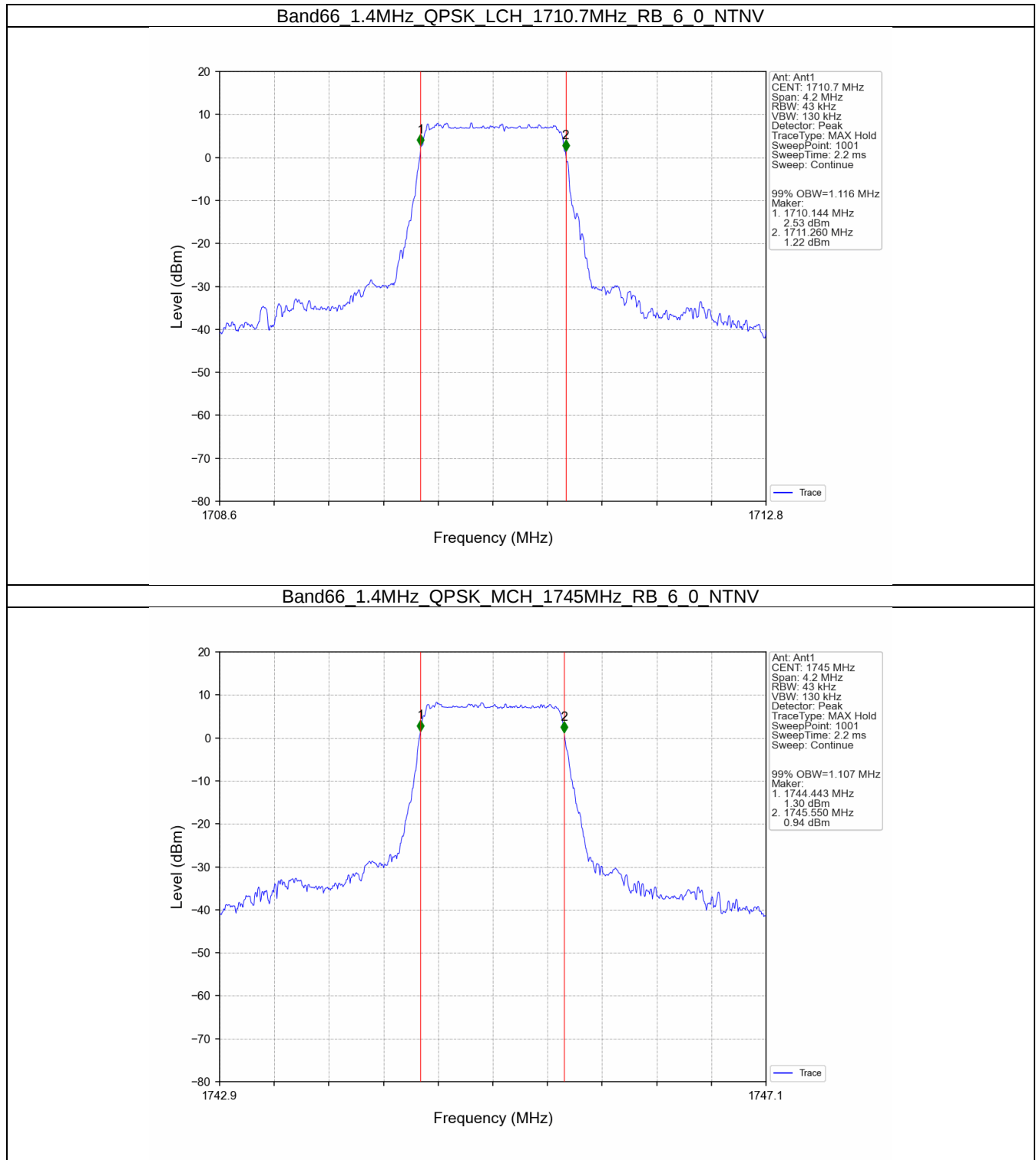
	16QAM	1710.7	6	0	1.315	/	Pass
		1745	6	0	1.364	/	Pass
		1779.3	6	0	1.332	/	Pass
3	QPSK	1711.5	15	0	3.007	/	Pass
		1745	15	0	3.010	/	Pass
		1778.5	15	0	3.024	/	Pass
	16QAM	1711.5	15	0	2.986	/	Pass
		1745	15	0	3.016	/	Pass
		1778.5	15	0	3.011	/	Pass
5	QPSK	1712.5	25	0	5.062	/	Pass
		1745	25	0	5.055	/	Pass
		1777.5	25	0	5.061	/	Pass
	16QAM	1712.5	25	0	5.015	/	Pass
		1745	25	0	5.052	/	Pass
		1777.5	25	0	5.004	/	Pass
10	QPSK	1715	50	0	9.897	/	Pass
		1745	50	0	9.970	/	Pass
		1775	50	0	9.967	/	Pass
	16QAM	1715	27	0	6.018	/	Pass
		1745	27	0	6.152	/	Pass
		1775	27	23	6.149	/	Pass
15	QPSK	1717.5	75	0	14.871	/	Pass
		1745	75	0	14.865	/	Pass
		1772.5	75	0	14.925	/	Pass
	16QAM	1717.5	27	0	6.743	/	Pass
		1745	27	0	6.623	/	Pass
		1772.5	27	48	6.555	/	Pass
20	QPSK	1720	100	0	19.863	/	Pass
		1745	100	0	19.817	/	Pass
		1770	100	0	19.587	/	Pass
	16QAM	1720	27	0	6.874	/	Pass
		1745	27	0	7.050	/	Pass
		1770	27	73	7.115	/	Pass



4

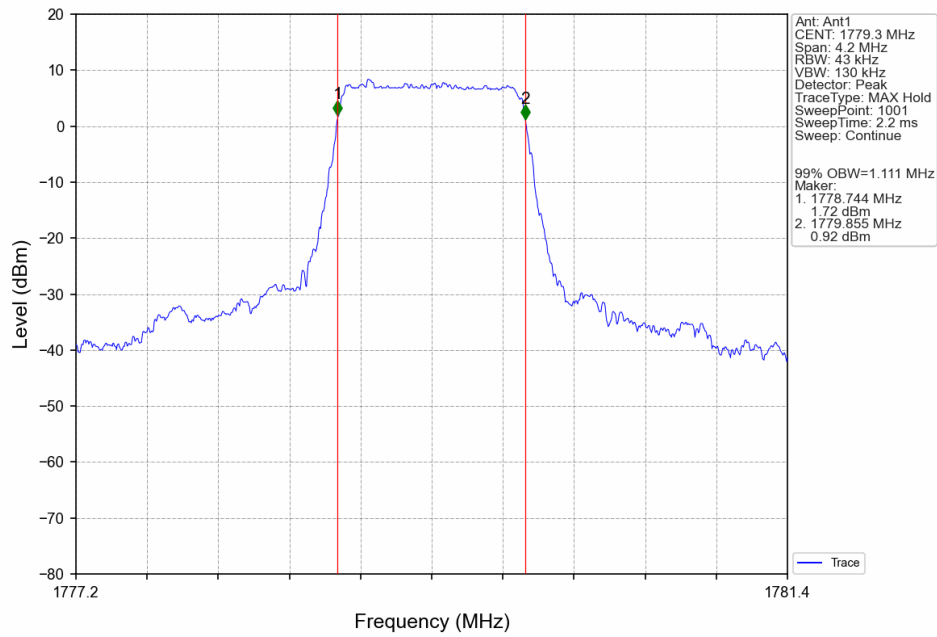
4.2 Test Graph

4.2.1 Band66_OBW

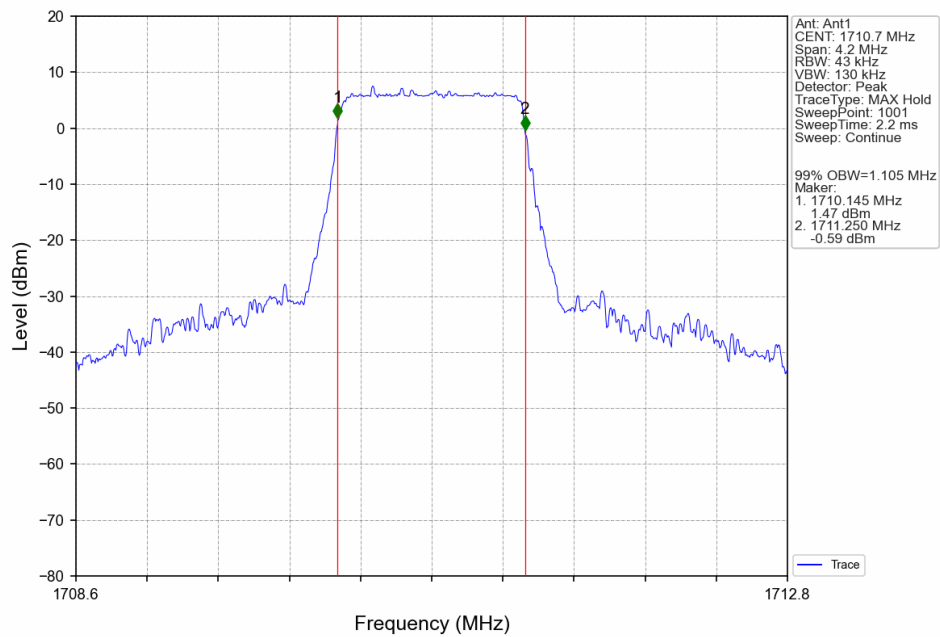




Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV

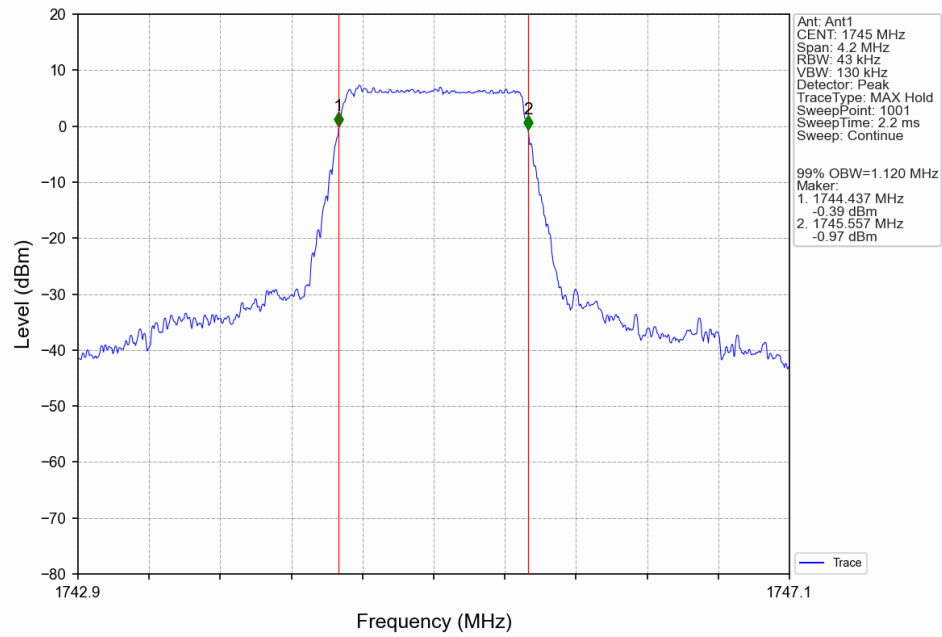


Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

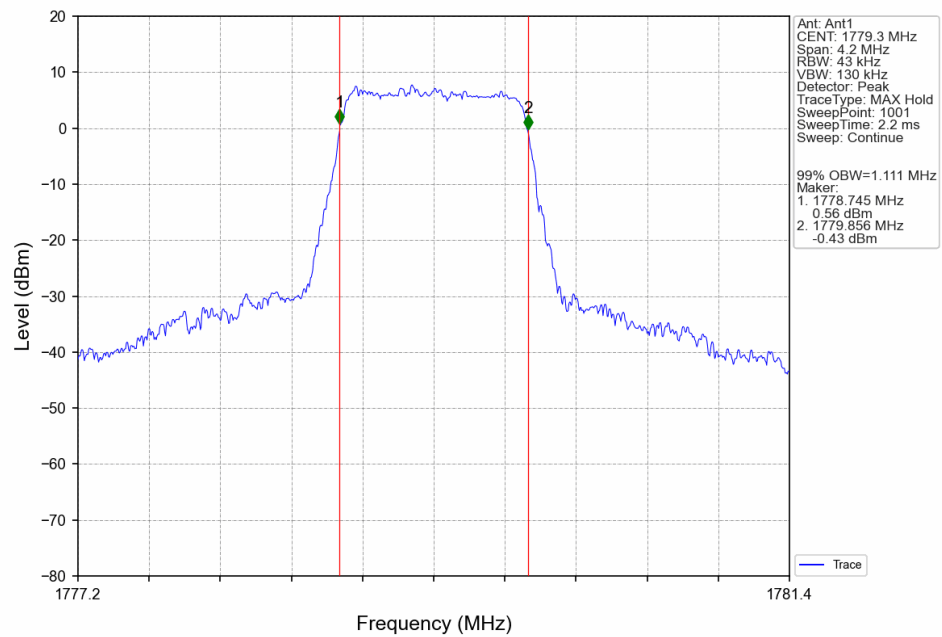




Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV

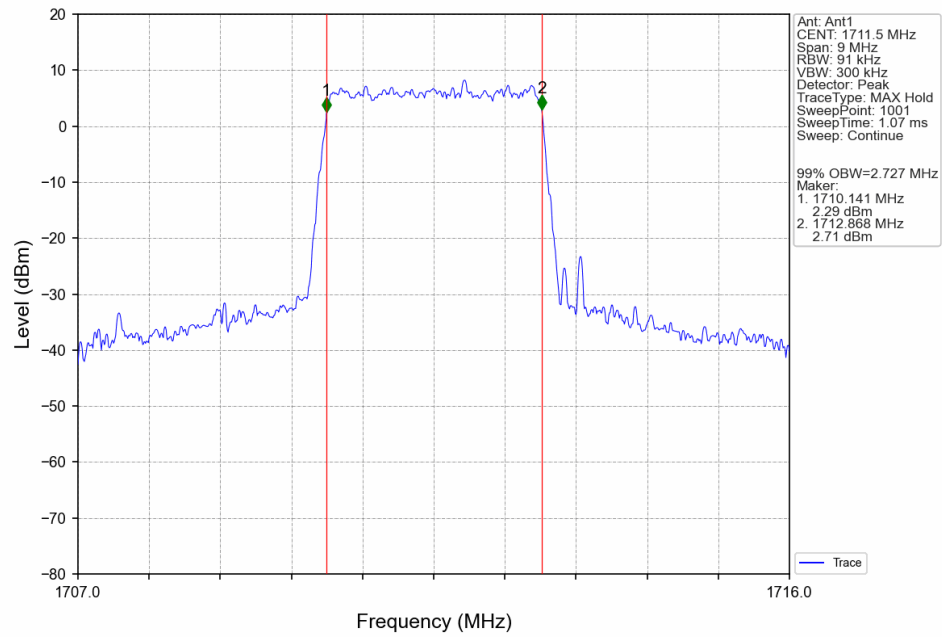


Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV

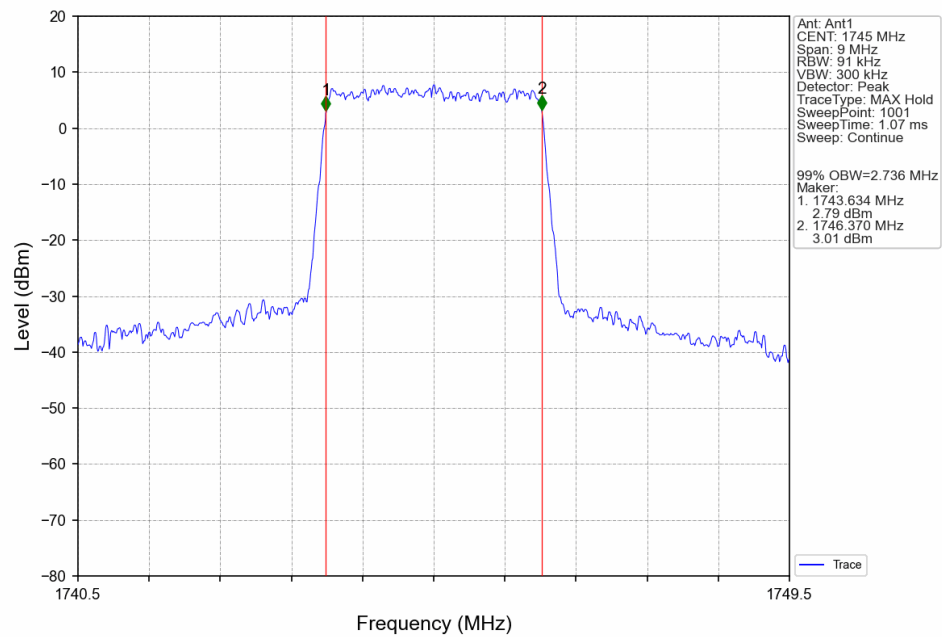




Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

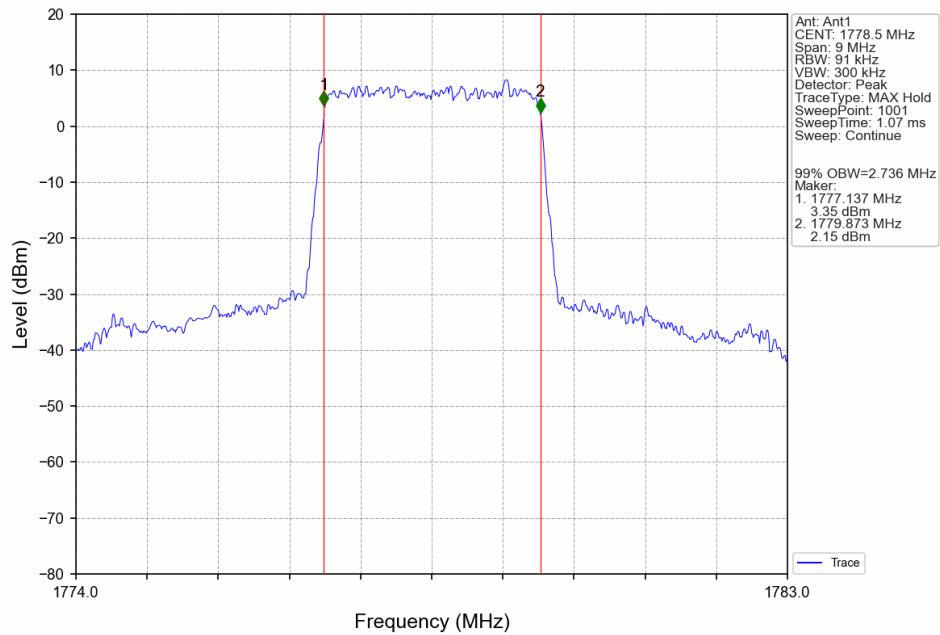


Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV

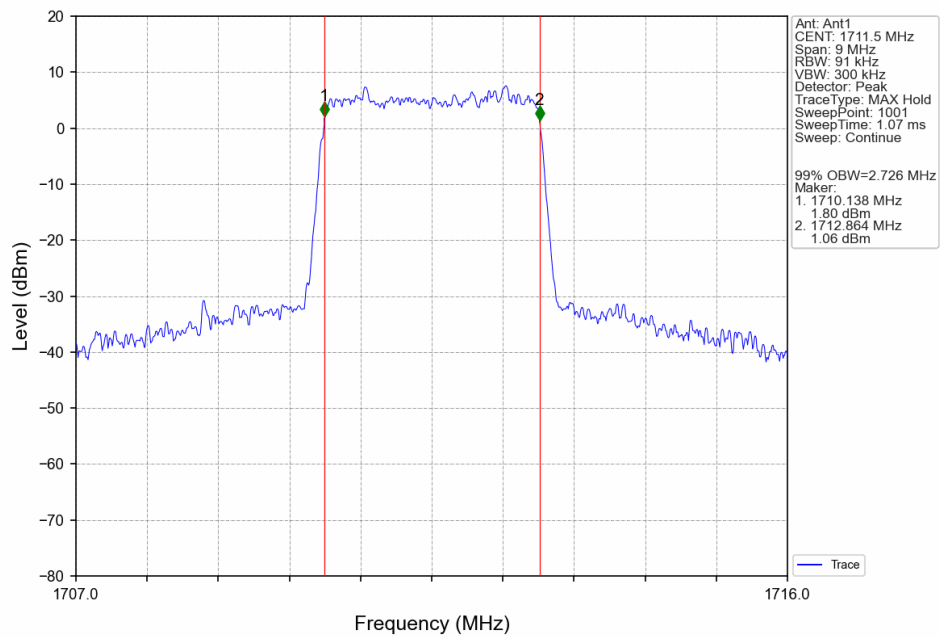




Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



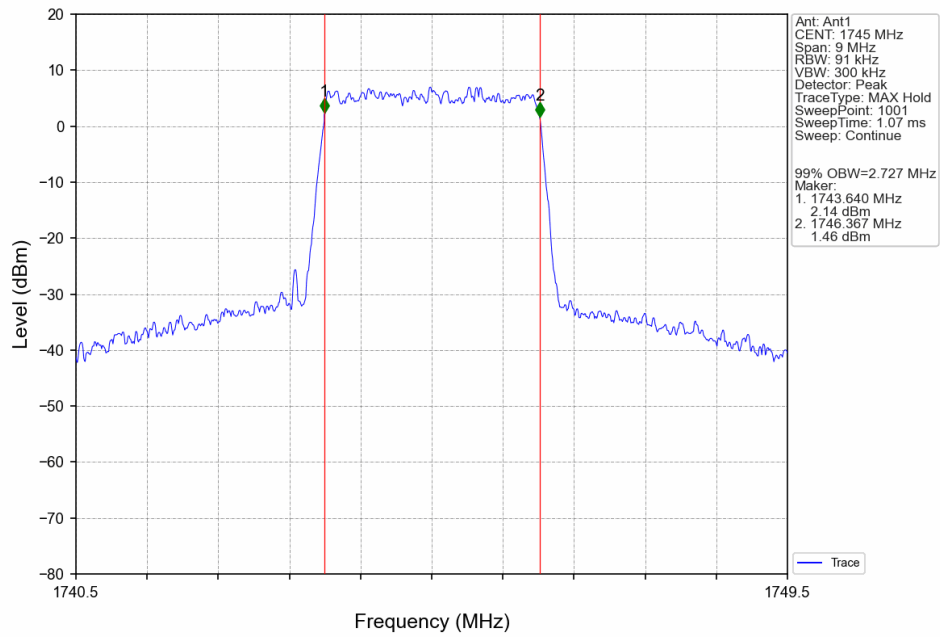
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



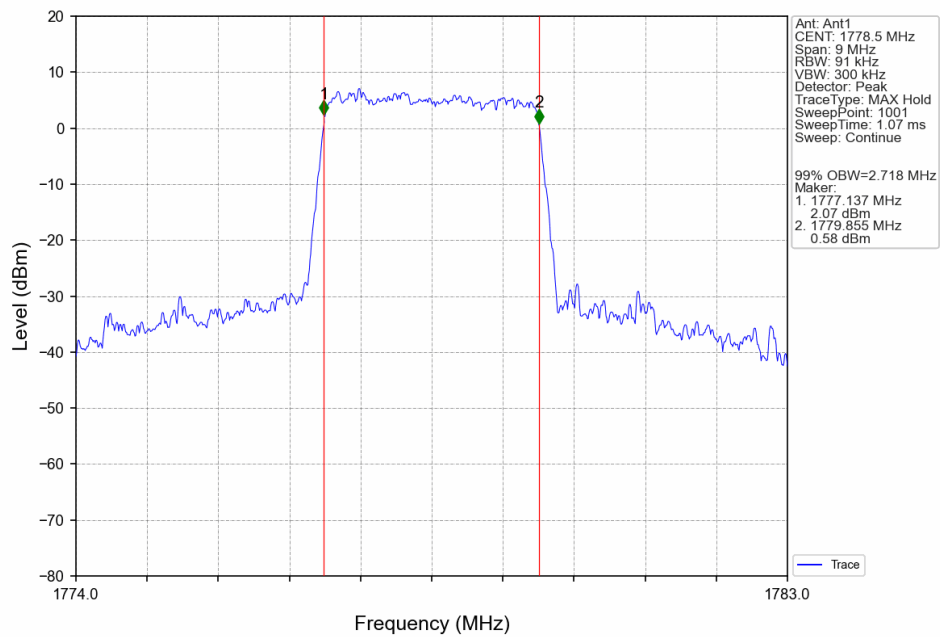


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Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV

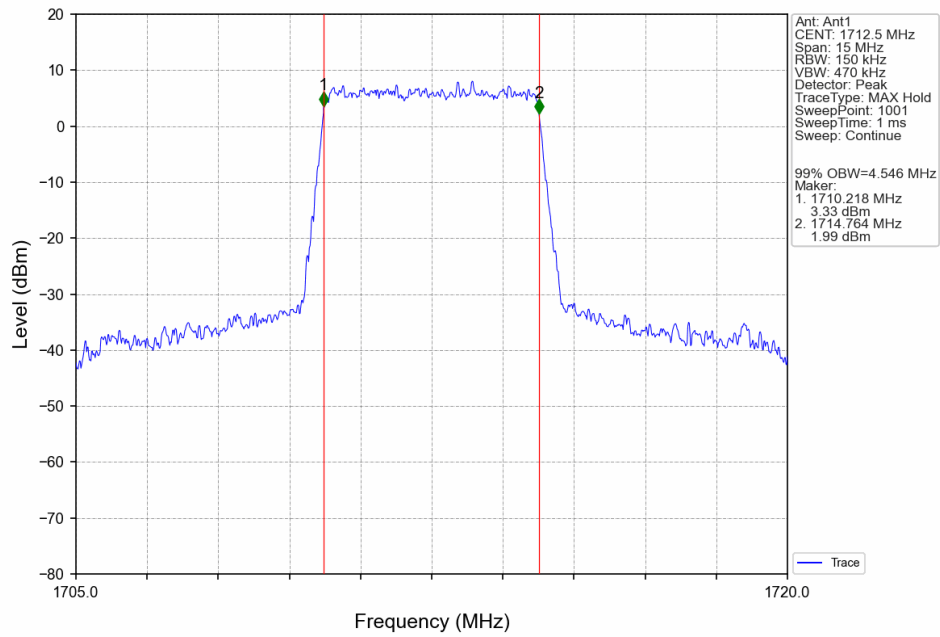


Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV

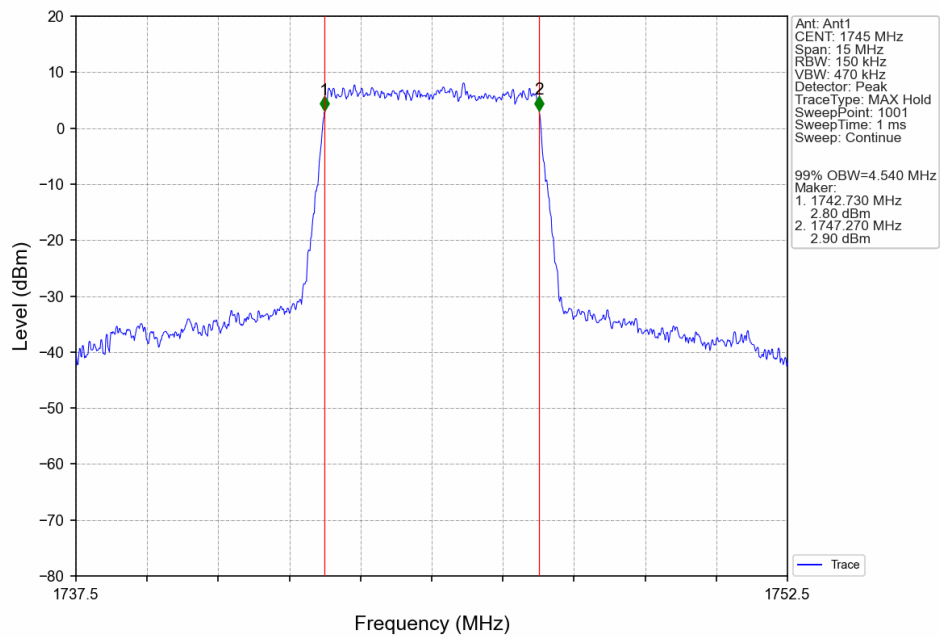




Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

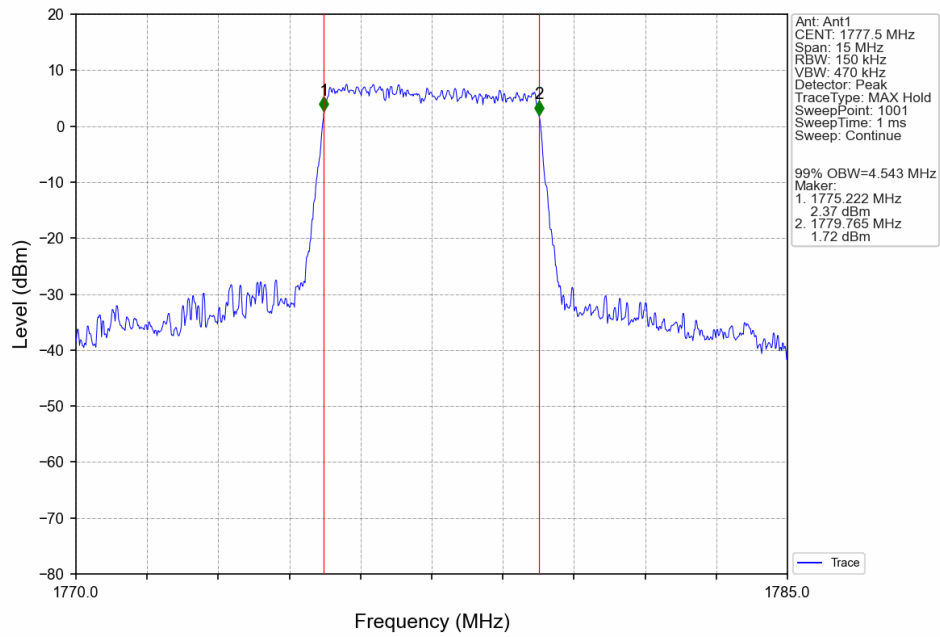


Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV

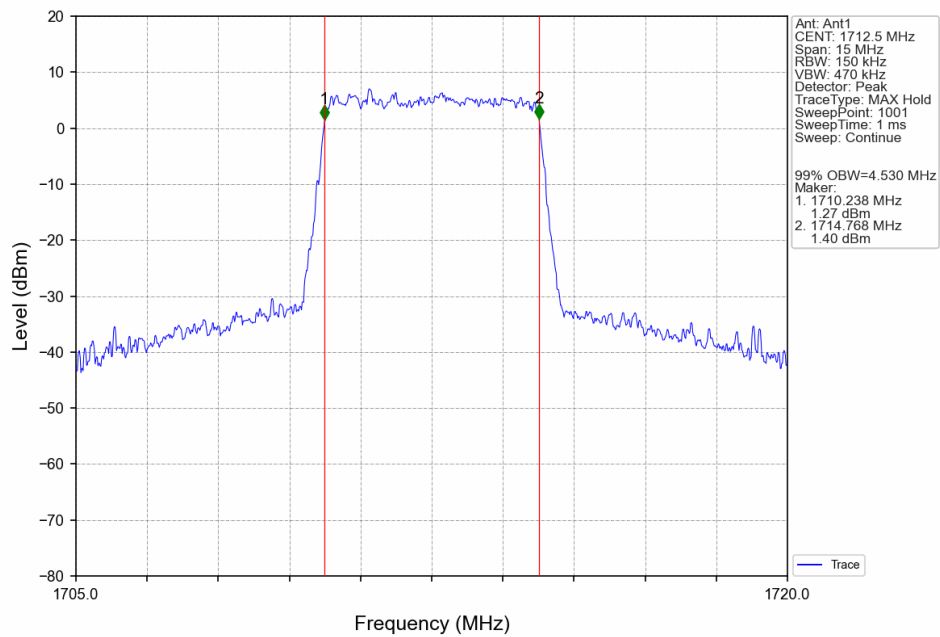




Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV

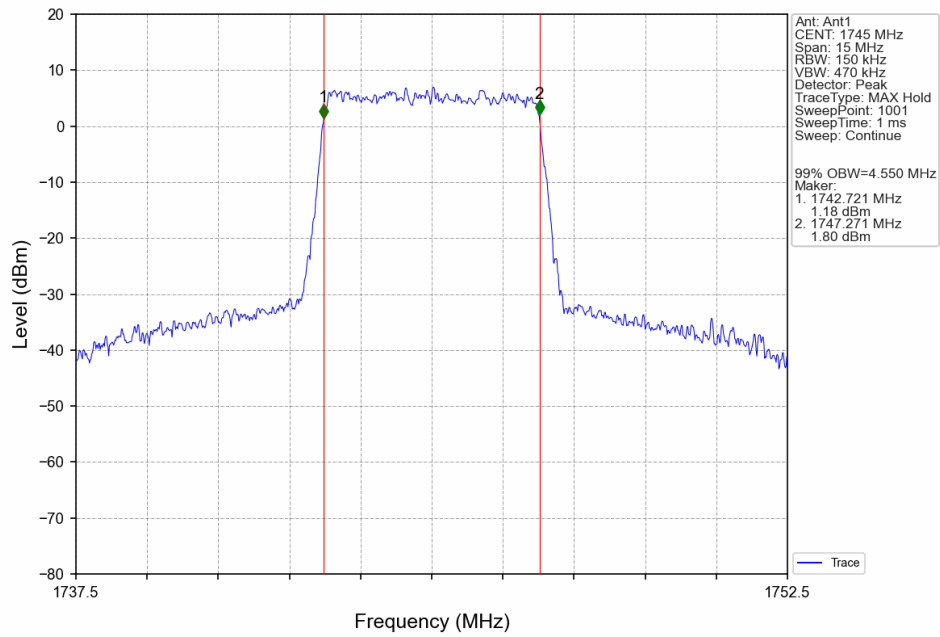


Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

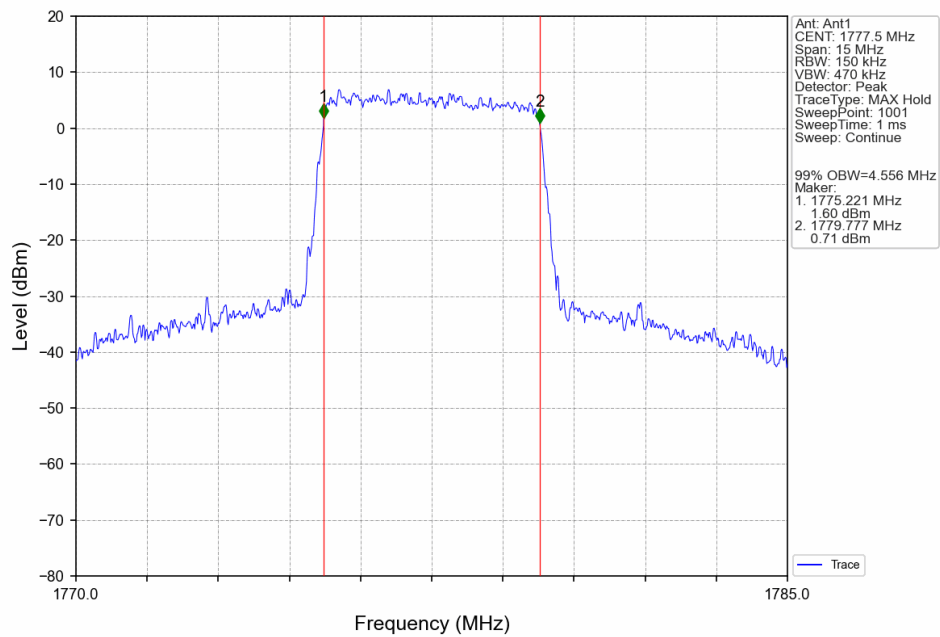




Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV

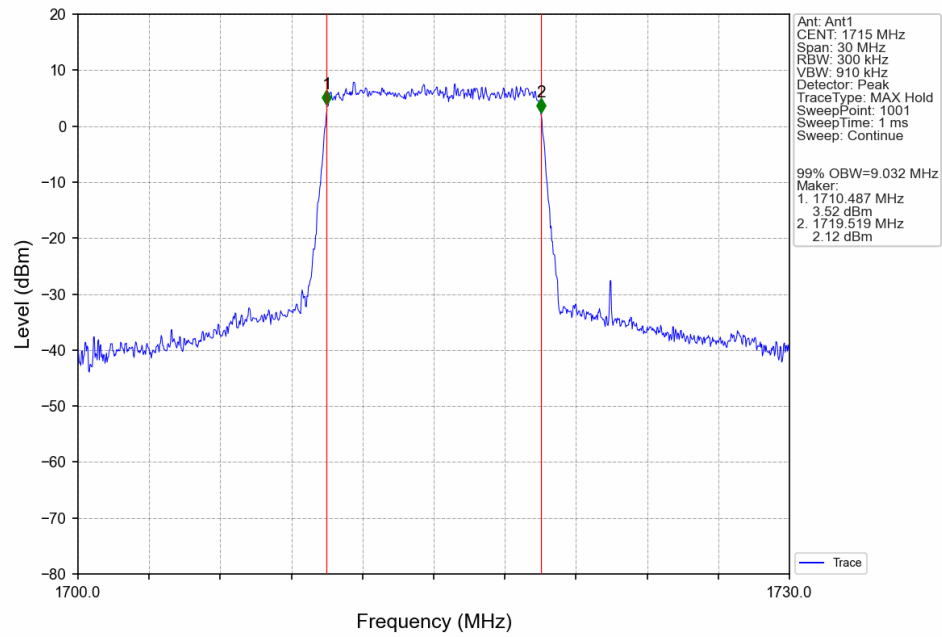


Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV

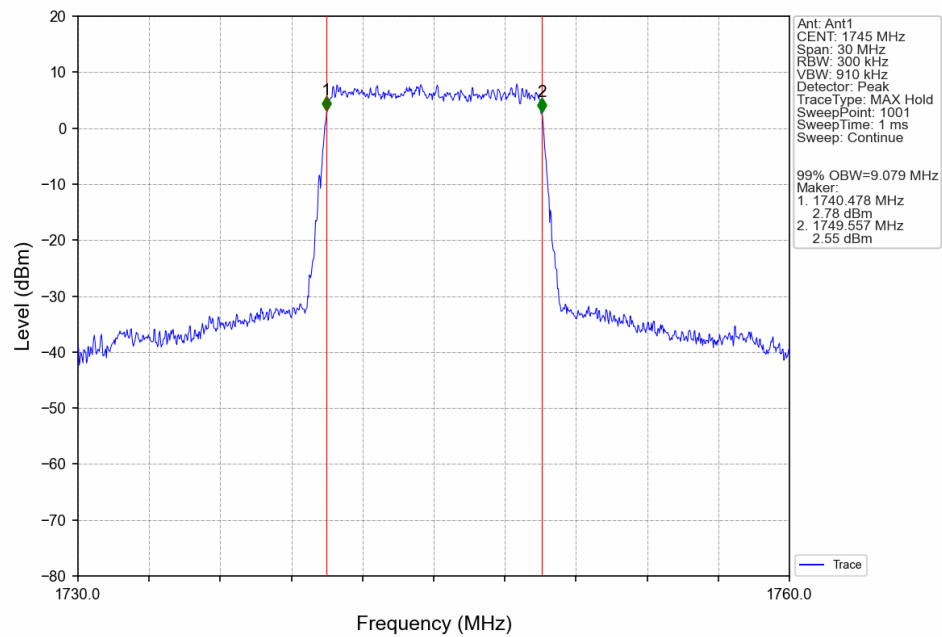




Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

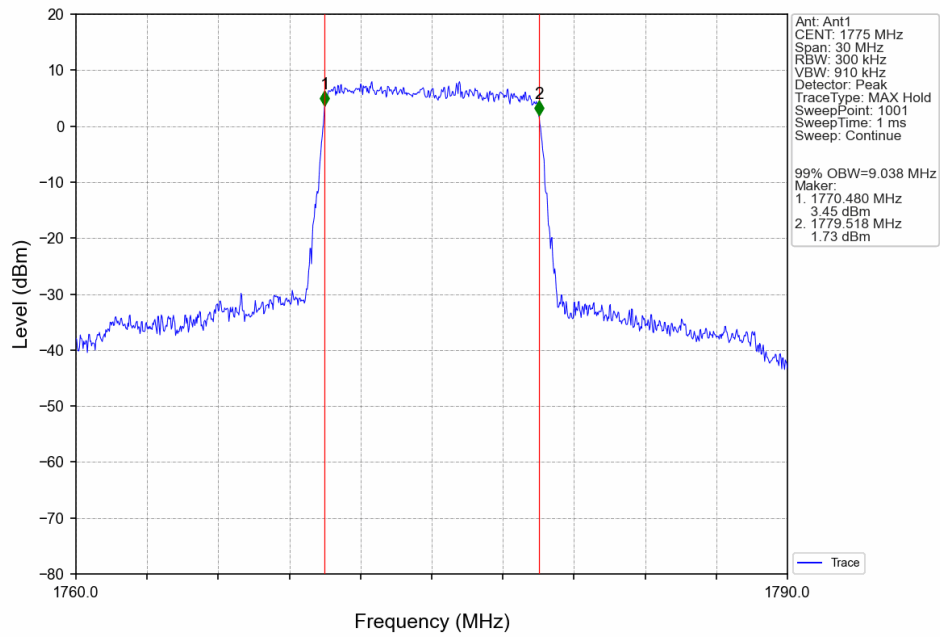


Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV

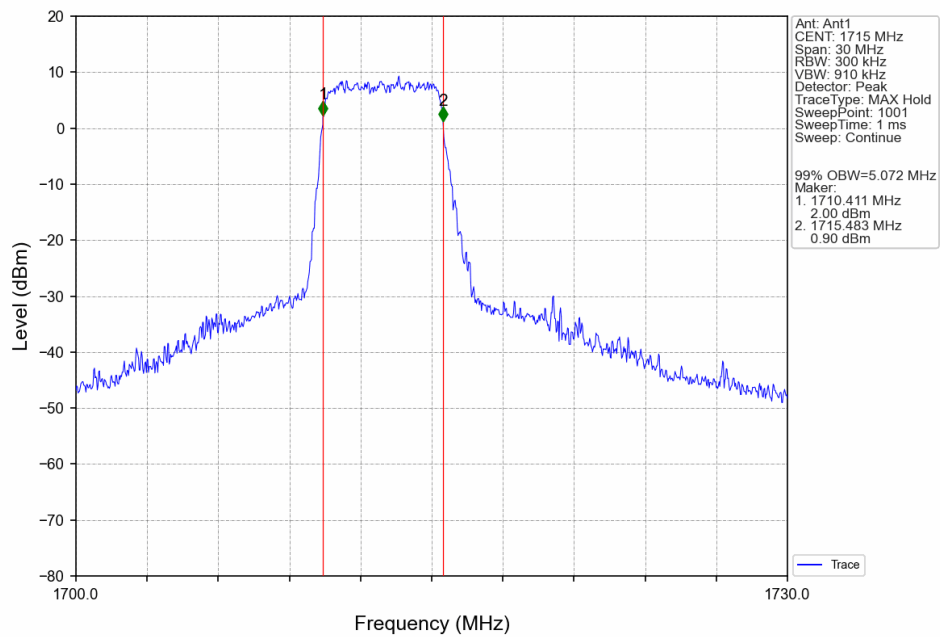




Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV

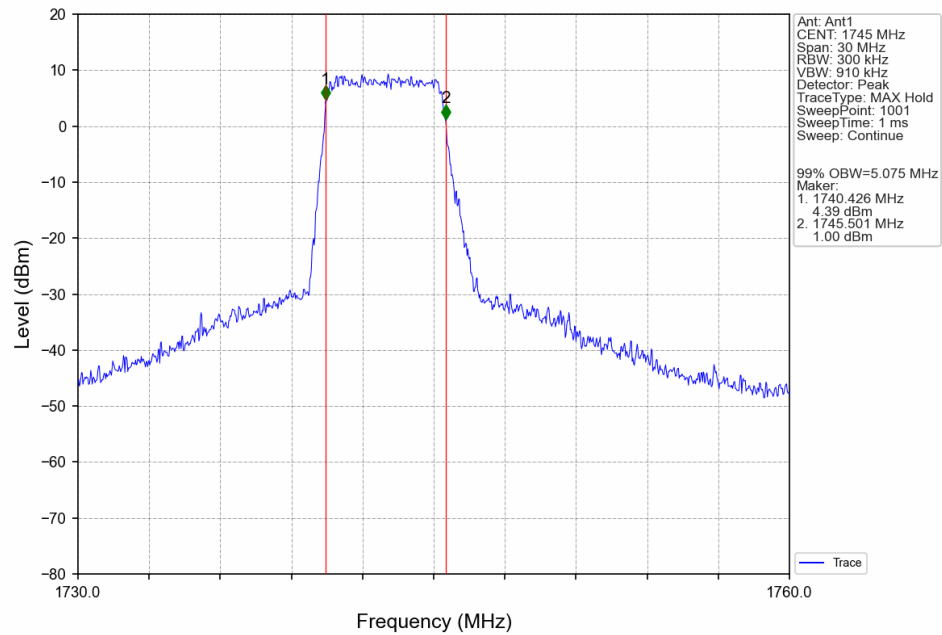


Band66_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV

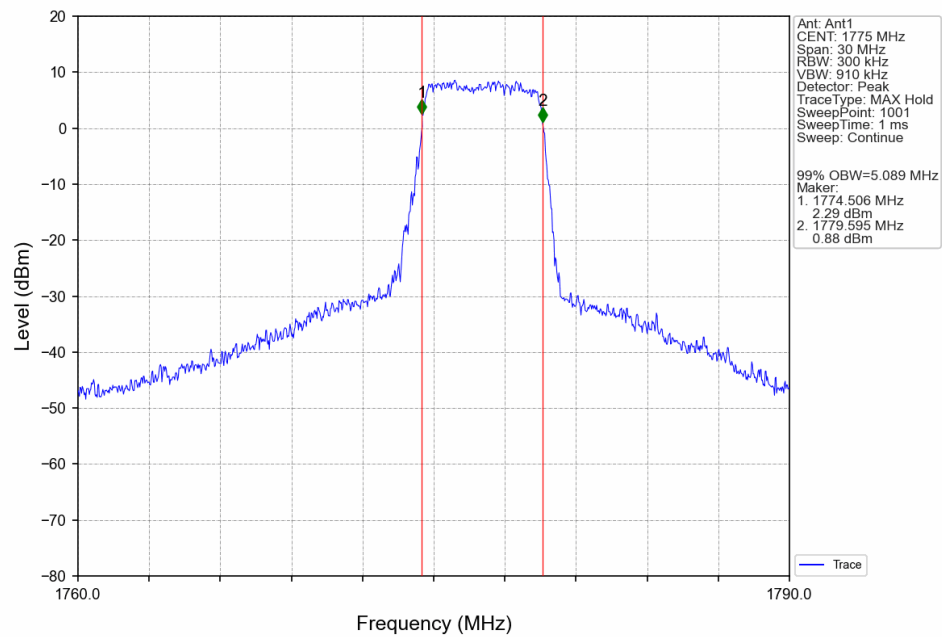




Band66_10MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV

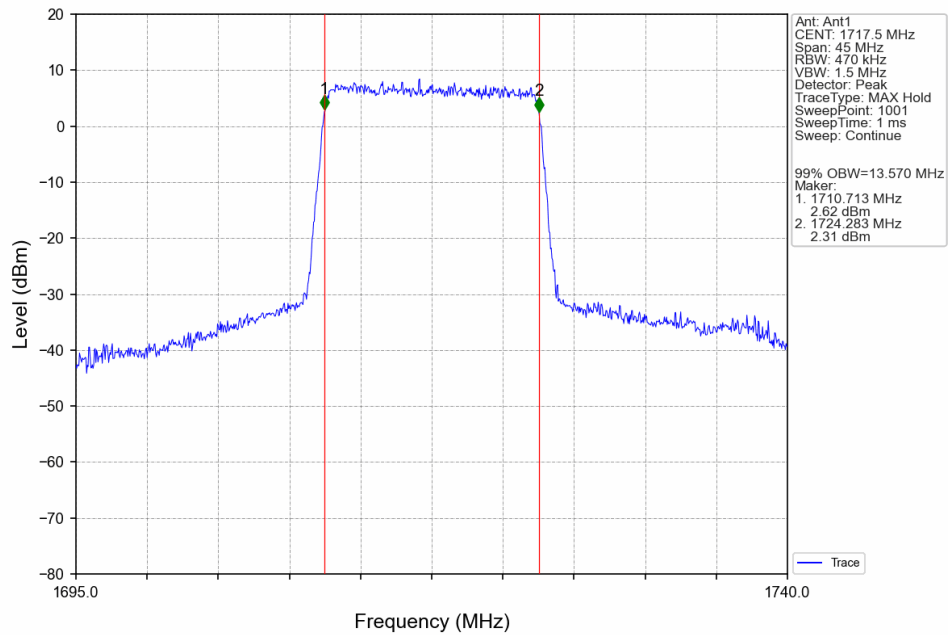


Band66_10MHz_16QAM_HCH_1775MHz_RB_27_23_NTNV

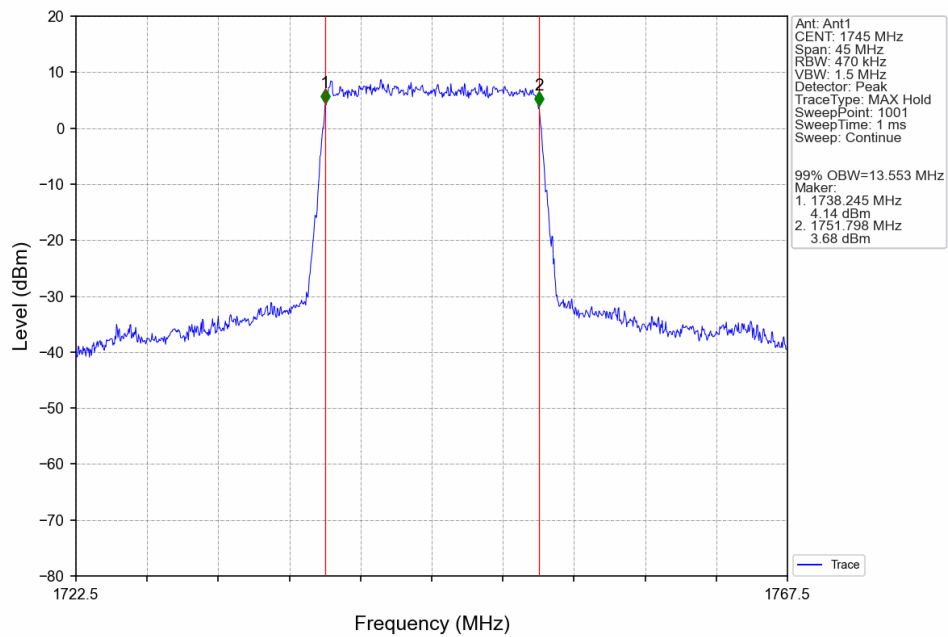




Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

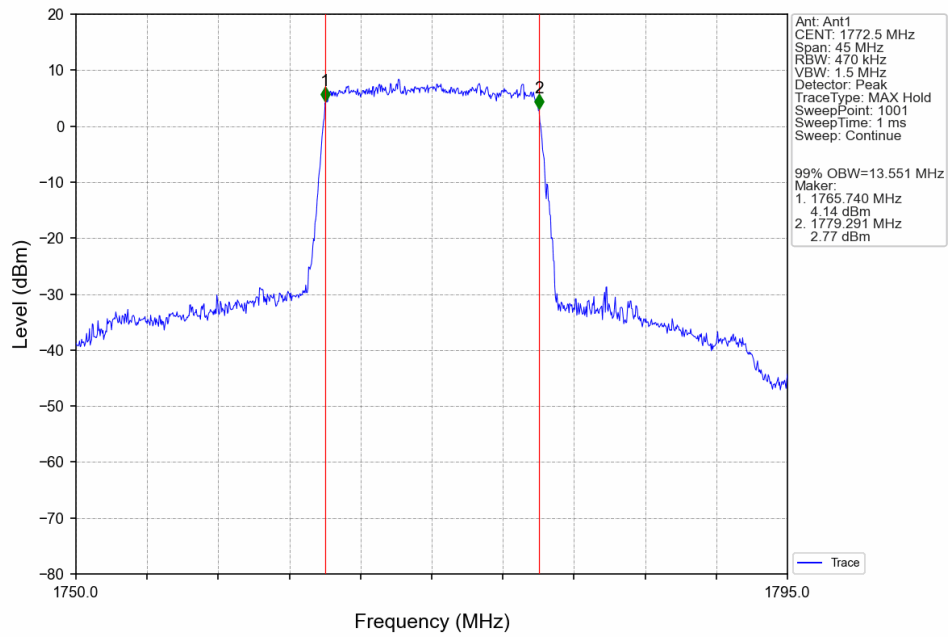


Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV

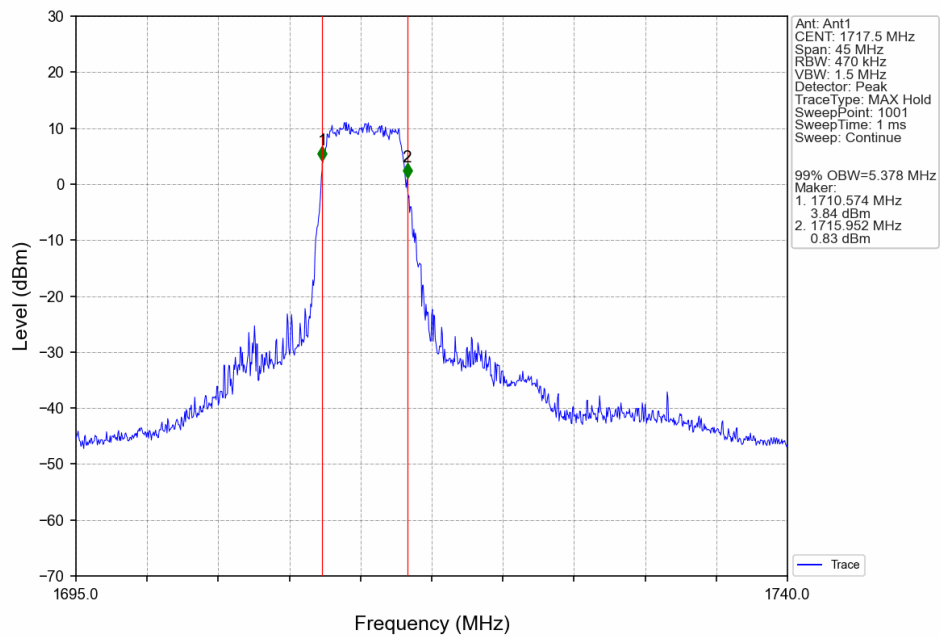




Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV

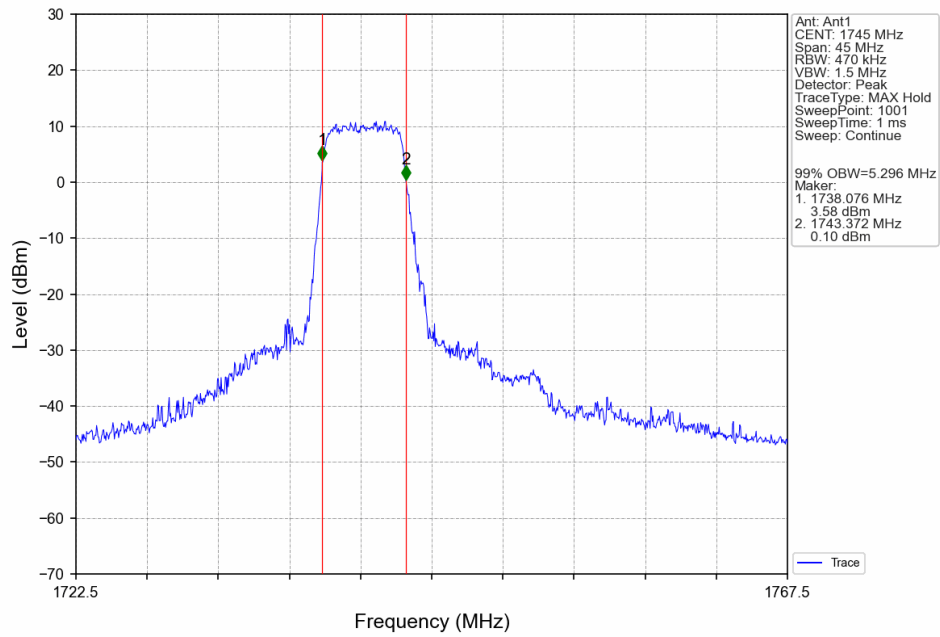


Band66_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV

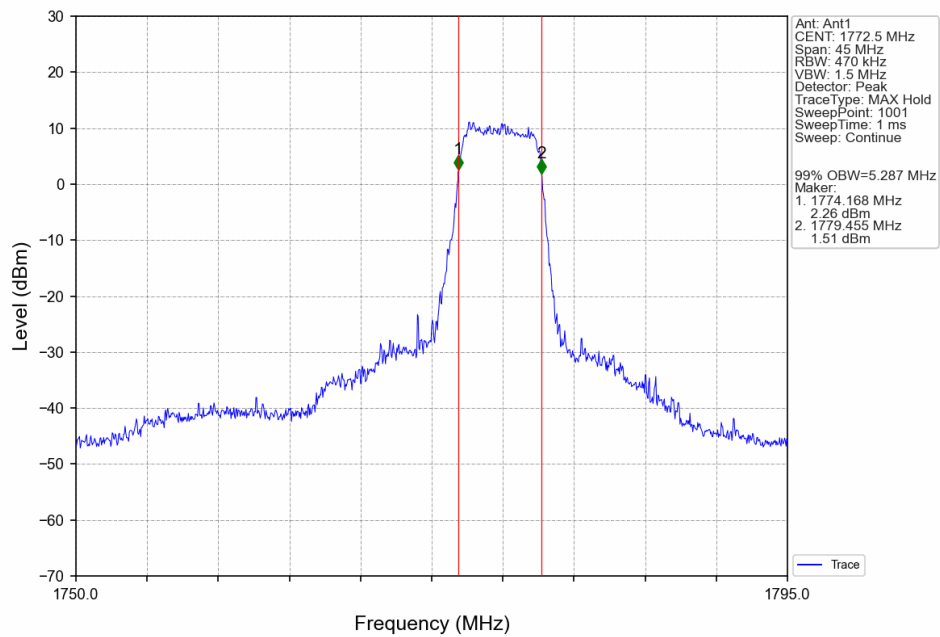




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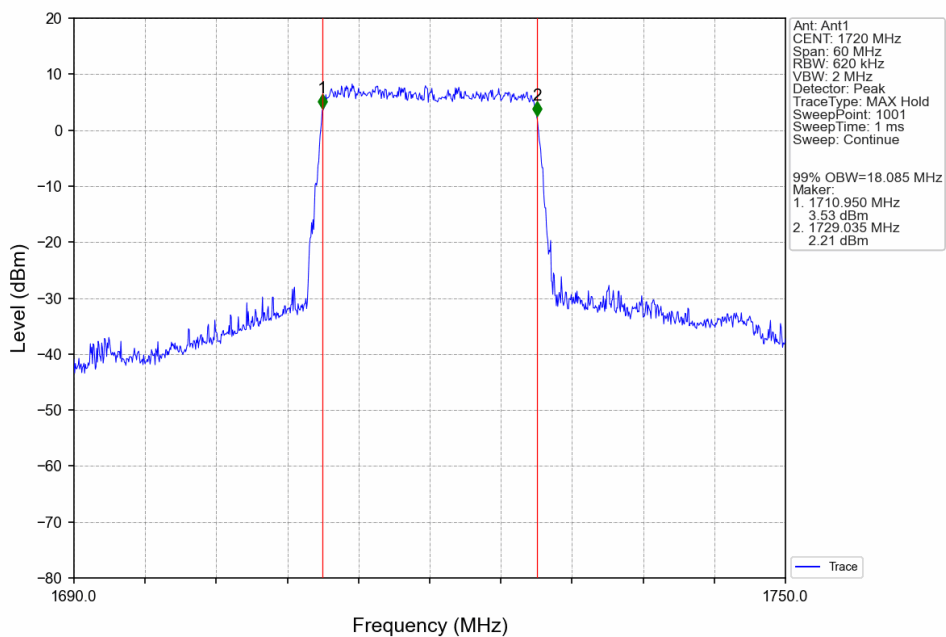


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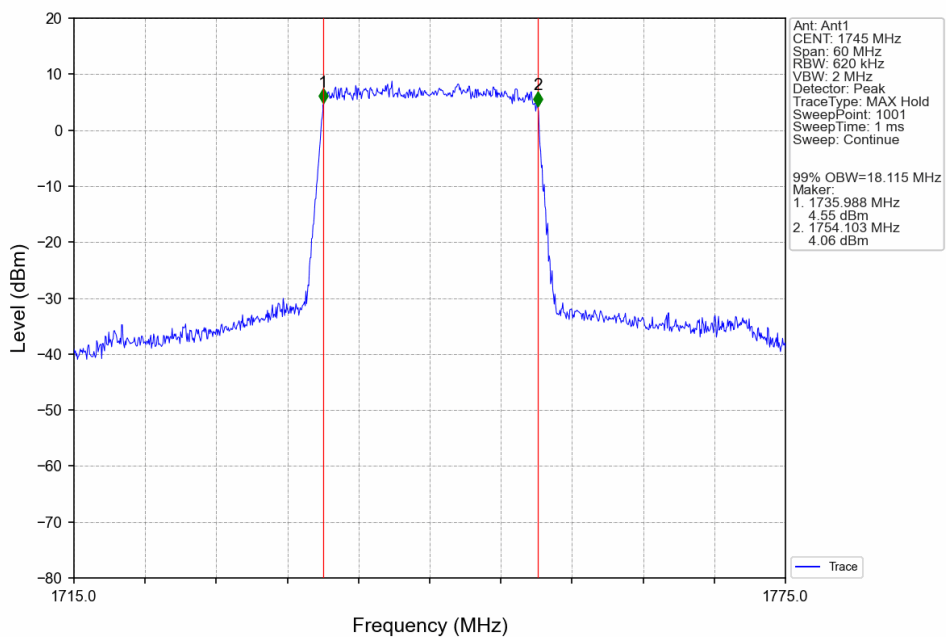




Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

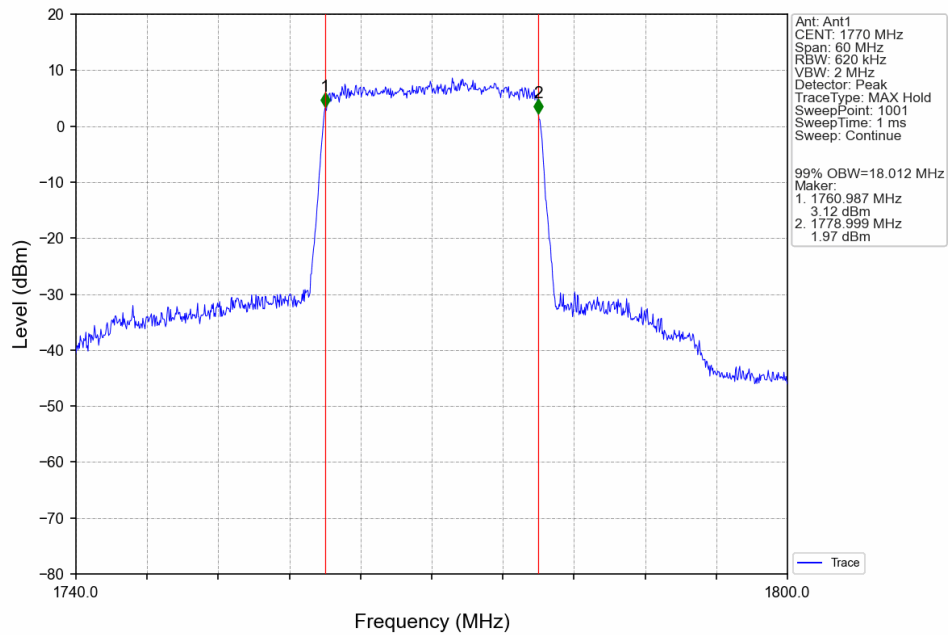


Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV

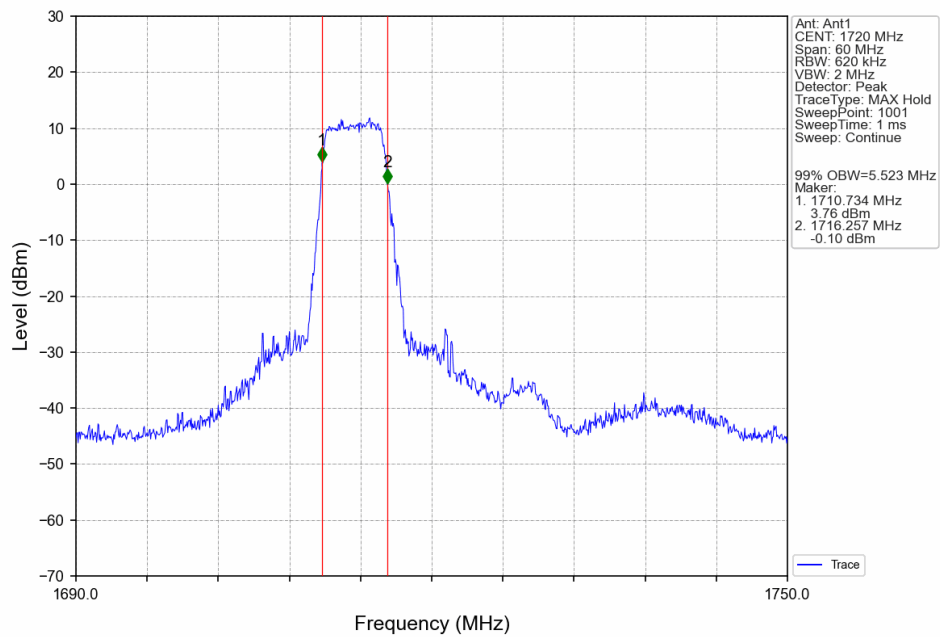




Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV

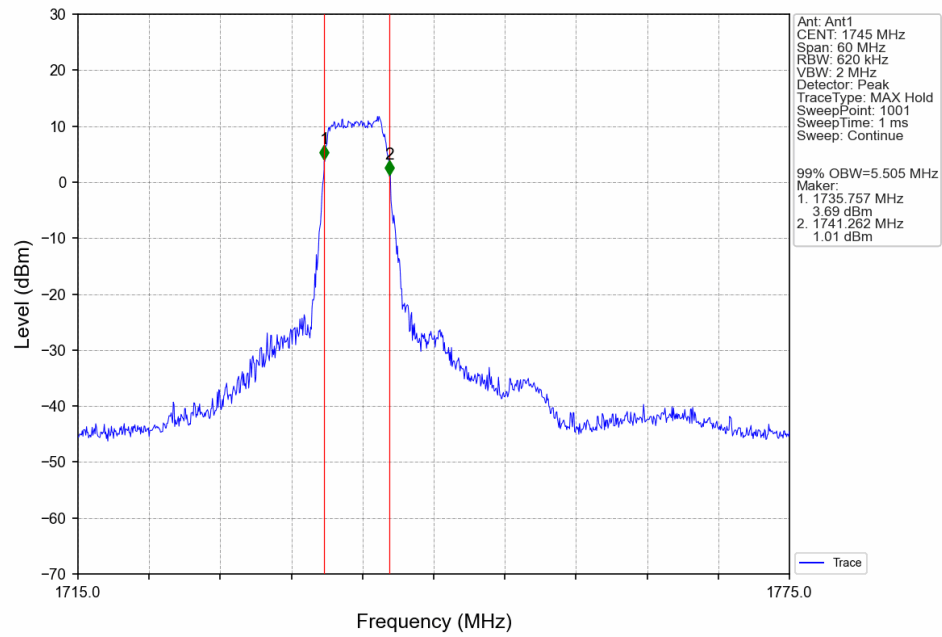


Band66_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV

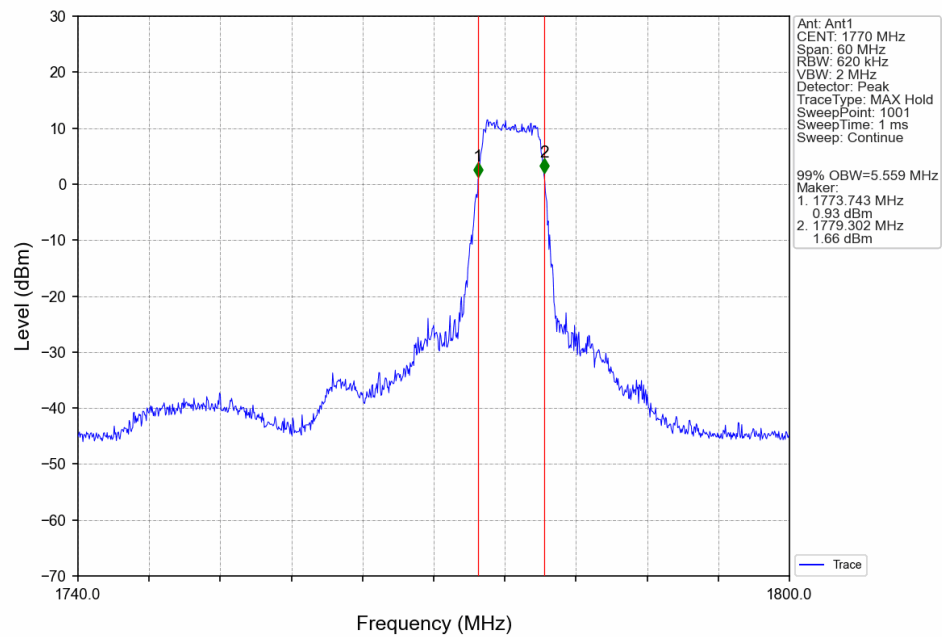




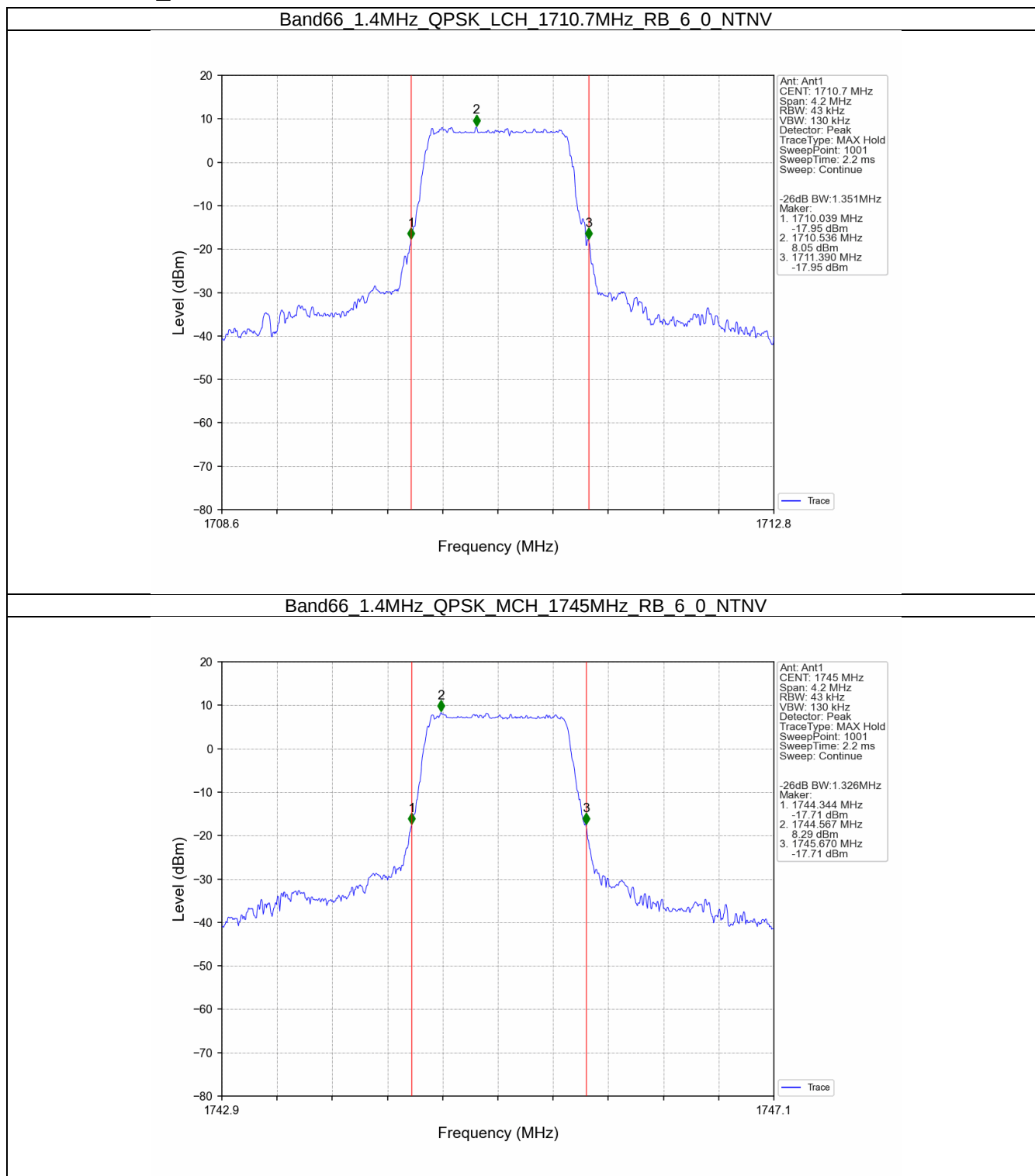
Band66_20MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_27_73_NTNV

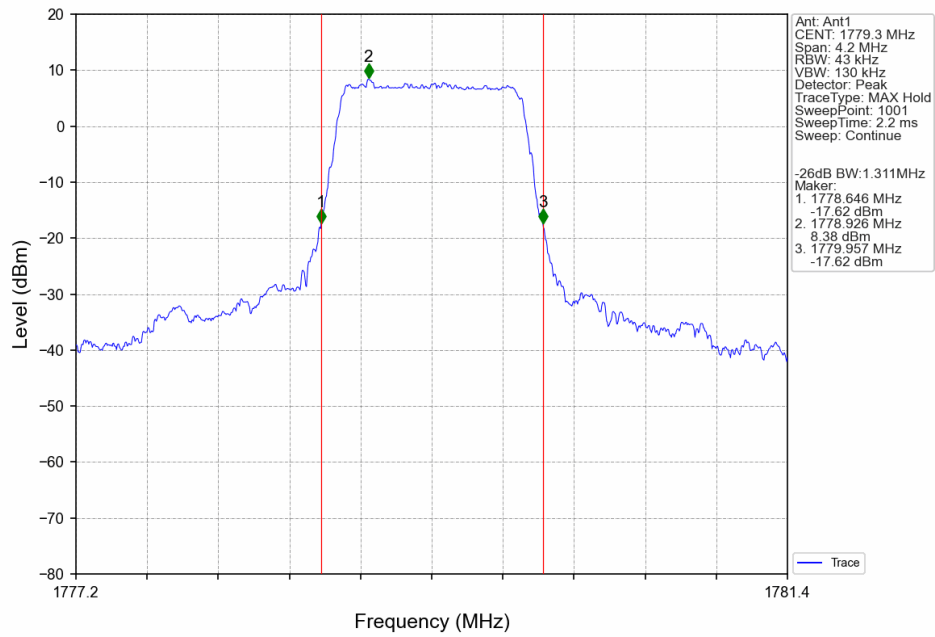


4.2.2 Band66_XDB

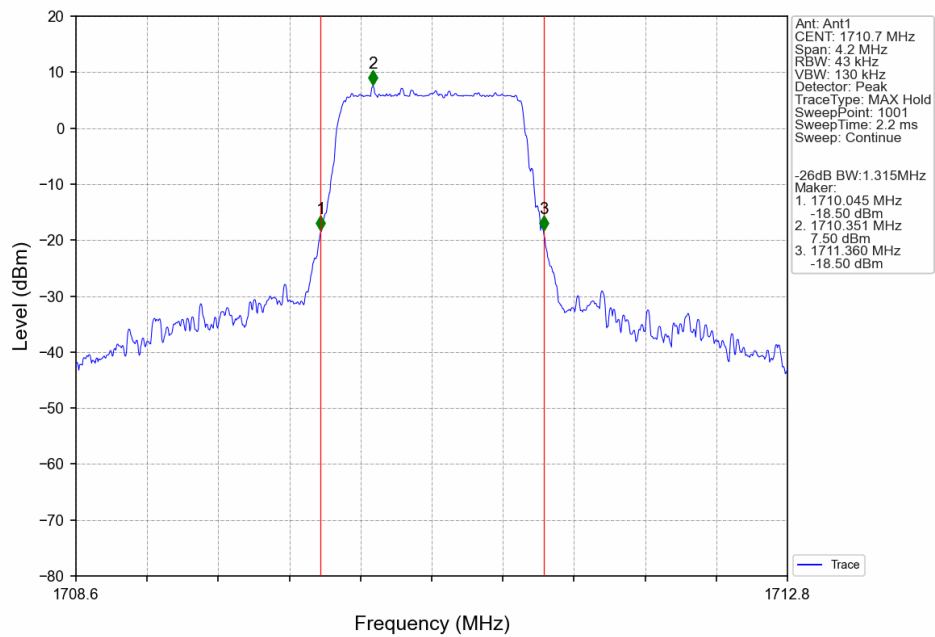




Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV

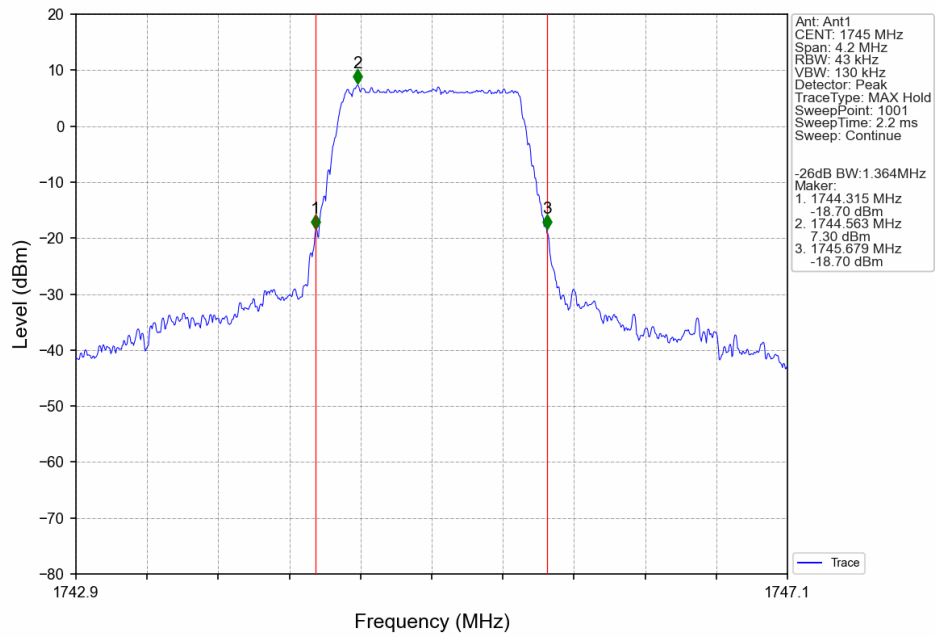


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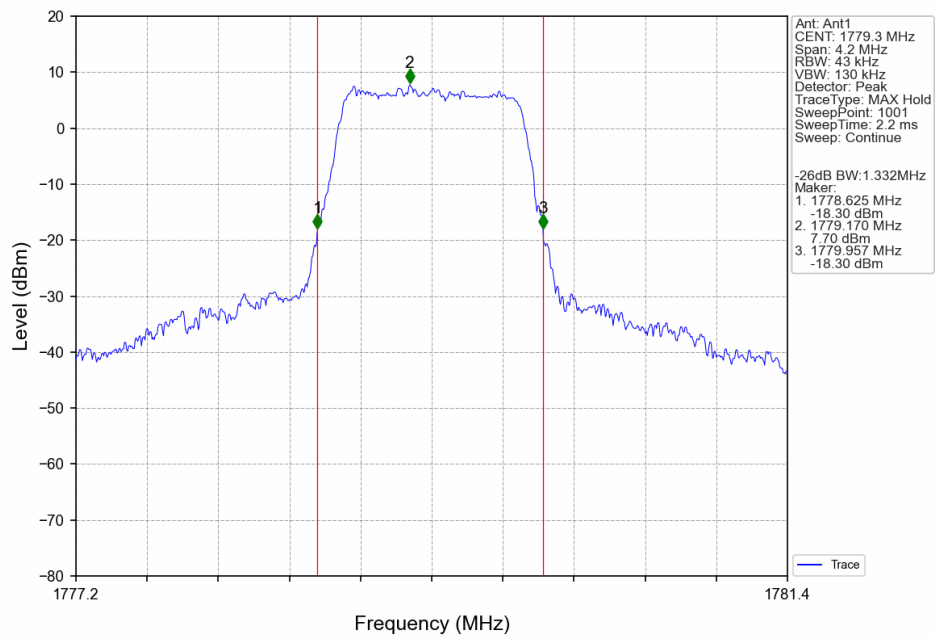




Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV

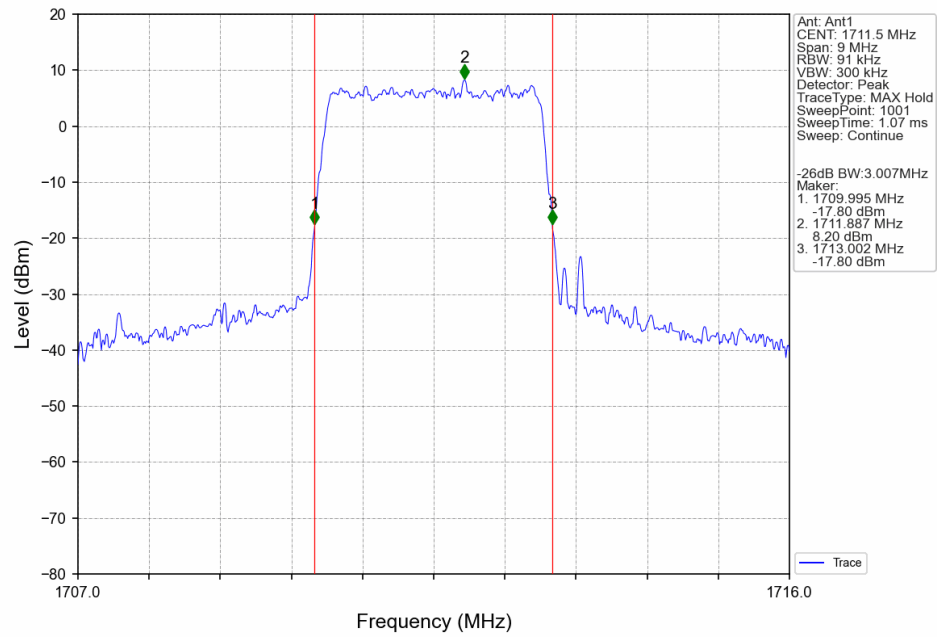


Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV

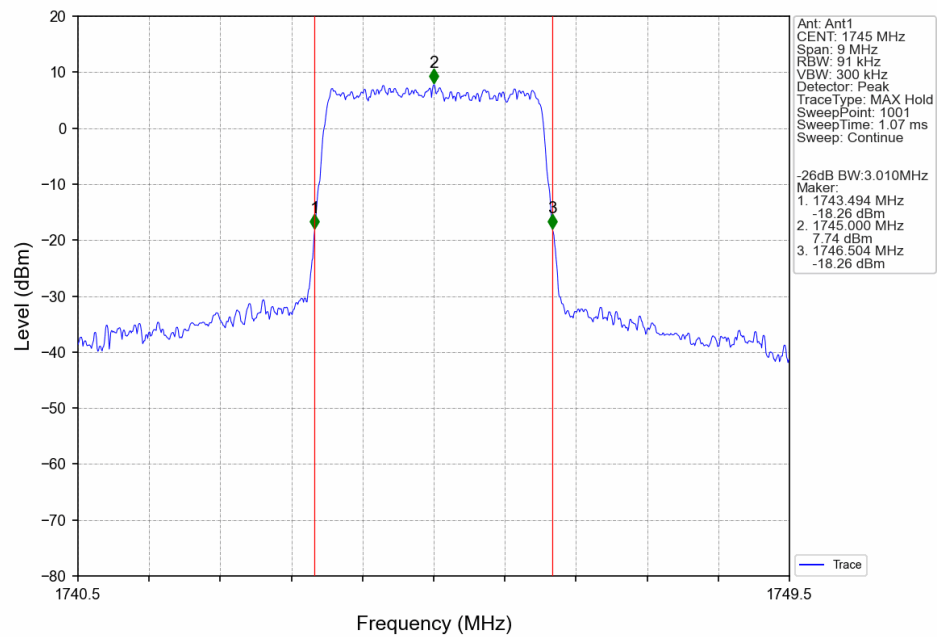




Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

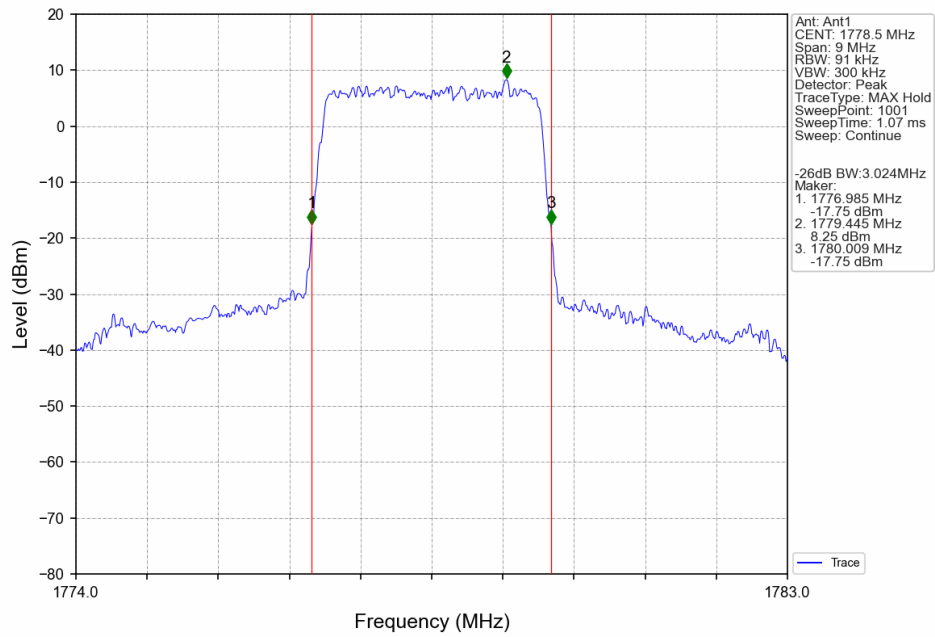


Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV





Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

