

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	22.48	3.50	25.98	<=30	Pass
			2	22.57	3.50	26.07	<=30	Pass
			5	22.45	3.50	25.95	<=30	Pass
		3	0	22.54	3.50	26.04	<=30	Pass
			2	22.61	3.50	26.11	<=30	Pass
			3	22.66	3.50	26.16	<=30	Pass
		6	0	21.63	3.50	25.13	<=30	Pass
	1745	1	0	22.43	3.50	25.93	<=30	Pass
			2	22.25	3.50	25.75	<=30	Pass
			5	22.20	3.50	25.70	<=30	Pass
		3	0	22.14	3.50	25.64	<=30	Pass
			2	22.28	3.50	25.78	<=30	Pass
			3	22.41	3.50	25.91	<=30	Pass
		6	0	21.39	3.50	24.89	<=30	Pass
	1779.3	1	0	22.65	3.50	26.15	<=30	Pass
			2	22.56	3.50	26.06	<=30	Pass
			5	22.49	3.50	25.99	<=30	Pass
		3	0	22.55	3.50	26.05	<=30	Pass
			2	22.61	3.50	26.11	<=30	Pass
			3	22.65	3.50	26.15	<=30	Pass
		6	0	21.63	3.50	25.13	<=30	Pass
16QAM	1710.7	1	0	22.15	3.50	25.65	<=30	Pass
			2	21.88	3.50	25.38	<=30	Pass
			5	21.68	3.50	25.18	<=30	Pass
		3	0	21.67	3.50	25.17	<=30	Pass
			2	21.39	3.50	24.89	<=30	Pass
			3	21.26	3.50	24.76	<=30	Pass
		6	0	20.40	3.50	23.90	<=30	Pass
	1745	1	0	21.70	3.50	25.20	<=30	Pass
			2	21.88	3.50	25.38	<=30	Pass
			5	21.64	3.50	25.14	<=30	Pass
		3	0	21.34	3.50	24.84	<=30	Pass
			2	21.41	3.50	24.91	<=30	Pass
			3	21.30	3.50	24.80	<=30	Pass
		6	0	20.17	3.50	23.67	<=30	Pass
	1779.3	1	0	21.85	3.50	25.35	<=30	Pass
			2	22.19	3.50	25.69	<=30	Pass
			5	22.23	3.50	25.73	<=30	Pass
		3	0	21.65	3.50	25.15	<=30	Pass
			2	21.53	3.50	25.03	<=30	Pass
			3	21.45	3.50	24.95	<=30	Pass
		6	0	20.52	3.50	24.02	<=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	22.63	3.50	26.13	<=30	Pass
			7	22.70	3.50	26.20	<=30	Pass
			14	22.49	3.50	25.99	<=30	Pass
		8	0	21.58	3.50	25.08	<=30	Pass
			4	21.60	3.50	25.10	<=30	Pass
			7	21.63	3.50	25.13	<=30	Pass
		15	0	21.43	3.50	24.93	<=30	Pass
	1745	1	0	22.35	3.50	25.85	<=30	Pass
			7	22.25	3.50	25.75	<=30	Pass
			14	22.30	3.50	25.80	<=30	Pass
		8	0	21.20	3.50	24.70	<=30	Pass
			4	21.26	3.50	24.76	<=30	Pass
			7	21.26	3.50	24.76	<=30	Pass
		15	0	21.20	3.50	24.70	<=30	Pass
	1778.5	1	0	22.39	3.50	25.89	<=30	Pass
			7	22.43	3.50	25.93	<=30	Pass
			14	22.27	3.50	25.77	<=30	Pass
		8	0	21.53	3.50	25.03	<=30	Pass
			4	21.43	3.50	24.93	<=30	Pass
			7	21.51	3.50	25.01	<=30	Pass
		15	0	21.62	3.50	25.12	<=30	Pass
16QAM	1711.5	1	0	21.92	3.50	25.42	<=30	Pass
			7	22.29	3.50	25.79	<=30	Pass
			14	21.86	3.50	25.36	<=30	Pass
		8	0	20.37	3.50	23.87	<=30	Pass
			4	20.36	3.50	23.86	<=30	Pass
			7	20.39	3.50	23.89	<=30	Pass
		15	0	20.30	3.50	23.80	<=30	Pass
	1745	1	0	21.16	3.50	24.66	<=30	Pass
			7	21.17	3.50	24.67	<=30	Pass
			14	21.11	3.50	24.61	<=30	Pass
		8	0	20.14	3.50	23.64	<=30	Pass
			4	20.48	3.50	23.98	<=30	Pass
			7	20.49	3.50	23.99	<=30	Pass
		15	0	20.17	3.50	23.67	<=30	Pass
	1778.5	1	0	21.98	3.50	25.48	<=30	Pass
			7	21.91	3.50	25.41	<=30	Pass
			14	21.78	3.50	25.28	<=30	Pass
		8	0	20.77	3.50	24.27	<=30	Pass
			4	20.65	3.50	24.15	<=30	Pass
			7	20.60	3.50	24.10	<=30	Pass
		15	0	20.48	3.50	23.98	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B66_5MHz_EIRP

Band: 66 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1712.5	1	0	22.14	3.50	25.64	<=30	Pass		
			13	22.42	3.50	25.92	<=30	Pass		
			24	22.39	3.50	25.89	<=30	Pass		
		12	0	21.45	3.50	24.95	<=30	Pass		
			6	21.53	3.50	25.03	<=30	Pass		
			13	21.46	3.50	24.96	<=30	Pass		
		25	0	21.45	3.50	24.95	<=30	Pass		
		1745	1	0	22.01	3.50	25.51	<=30	Pass	
				13	22.10	3.50	25.60	<=30	Pass	
	24			22.22	3.50	25.72	<=30	Pass		
	12		0	21.24	3.50	24.74	<=30	Pass		
			6	21.19	3.50	24.69	<=30	Pass		
			13	21.11	3.50	24.61	<=30	Pass		
	25	0	21.27	3.50	24.77	<=30	Pass			
	1777.5	1	0	22.12	3.50	25.62	<=30	Pass		
			13	22.24	3.50	25.74	<=30	Pass		
			24	22.04	3.50	25.54	<=30	Pass		
		12	0	21.56	3.50	25.06	<=30	Pass		
			6	21.47	3.50	24.97	<=30	Pass		
			13	21.45	3.50	24.95	<=30	Pass		
		25	0	21.48	3.50	24.98	<=30	Pass		
		16QAM	1712.5	1	0	21.83	3.50	25.33	<=30	Pass
					13	22.07	3.50	25.57	<=30	Pass
	24				21.85	3.50	25.35	<=30	Pass	
	12			0	20.26	3.50	23.76	<=30	Pass	
				6	20.24	3.50	23.74	<=30	Pass	
				13	20.40	3.50	23.90	<=30	Pass	
25	0			20.23	3.50	23.73	<=30	Pass		
1745	1			0	21.06	3.50	24.56	<=30	Pass	
				13	21.24	3.50	24.74	<=30	Pass	
			24	21.07	3.50	24.57	<=30	Pass		
	12		0	20.22	3.50	23.72	<=30	Pass		
			6	20.08	3.50	23.58	<=30	Pass		
			13	20.14	3.50	23.64	<=30	Pass		
25	0		20.08	3.50	23.58	<=30	Pass			
1777.5	1		0	21.44	3.50	24.94	<=30	Pass		
			13	21.89	3.50	25.39	<=30	Pass		
			24	21.76	3.50	25.26	<=30	Pass		
	12		0	20.22	3.50	23.72	<=30	Pass		
			6	20.18	3.50	23.68	<=30	Pass		
			13	20.32	3.50	23.82	<=30	Pass		
	25		0	20.52	3.50	24.02	<=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	22.34	3.50	25.84	<=30	Pass
			25	22.78	3.50	26.28	<=30	Pass
			49	22.33	3.50	25.83	<=30	Pass
		25	0	21.52	3.50	25.02	<=30	Pass
			13	21.48	3.50	24.98	<=30	Pass
			25	21.42	3.50	24.92	<=30	Pass
		50	0	21.36	3.50	24.86	<=30	Pass
			0	22.28	3.50	25.78	<=30	Pass
			25	22.30	3.50	25.80	<=30	Pass
	1745	1	49	22.19	3.50	25.69	<=30	Pass
			0	21.15	3.50	24.65	<=30	Pass
			13	21.24	3.50	24.74	<=30	Pass
		25	25	21.16	3.50	24.66	<=30	Pass
			0	21.12	3.50	24.62	<=30	Pass
			0	22.33	3.50	25.83	<=30	Pass
		50	25	22.68	3.50	26.18	<=30	Pass
			49	22.26	3.50	25.76	<=30	Pass
			0	21.56	3.50	25.06	<=30	Pass
	1775	1	13	21.58	3.50	25.08	<=30	Pass
			25	21.35	3.50	24.85	<=30	Pass
			0	21.51	3.50	25.01	<=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	22.42	3.50	25.92	<=30	Pass
			38	22.53	3.50	26.03	<=30	Pass
			74	22.33	3.50	25.83	<=30	Pass
		36	0	21.66	3.50	25.16	<=30	Pass
			18	21.69	3.50	25.19	<=30	Pass
			39	21.44	3.50	24.94	<=30	Pass
		75	0	21.57	3.50	25.07	<=30	Pass
			0	22.48	3.50	25.98	<=30	Pass
			38	22.37	3.50	25.87	<=30	Pass
	1745	1	74	22.19	3.50	25.69	<=30	Pass
			0	21.36	3.50	24.86	<=30	Pass
			18	21.20	3.50	24.70	<=30	Pass
		36	39	21.28	3.50	24.78	<=30	Pass
			0	21.16	3.50	24.66	<=30	Pass
			0	22.37	3.50	25.87	<=30	Pass
		75	38	22.46	3.50	25.96	<=30	Pass
			74	22.34	3.50	25.84	<=30	Pass
			0	21.51	3.50	25.01	<=30	Pass
	1772.5	1	18	21.64	3.50	25.14	<=30	Pass
			39	21.50	3.50	25.00	<=30	Pass
			0	21.53	3.50	25.03	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B66_20MHz_EIRP

Band: 66 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1720	1	0	22.30	3.50	25.80	<=30	Pass	
			50	22.87	3.50	26.37	<=30	Pass	
			99	22.27	3.50	25.77	<=30	Pass	
		50	0	21.57	3.50	25.07	<=30	Pass	
			25	21.73	3.50	25.23	<=30	Pass	
			50	21.56	3.50	25.06	<=30	Pass	
		100	0	21.52	3.50	25.02	<=30	Pass	
		1745	1	0	22.33	3.50	25.83	<=30	Pass
				50	22.48	3.50	25.98	<=30	Pass
	99			22.27	3.50	25.77	<=30	Pass	
	50		0	21.55	3.50	25.05	<=30	Pass	
			25	21.33	3.50	24.83	<=30	Pass	
			50	21.40	3.50	24.90	<=30	Pass	
	100	0	21.25	3.50	24.75	<=30	Pass		
	1770	1	0	22.34	3.50	25.84	<=30	Pass	
			50	22.63	3.50	26.13	<=30	Pass	
			99	22.30	3.50	25.80	<=30	Pass	
		50	0	21.52	3.50	25.02	<=30	Pass	
			25	21.57	3.50	25.07	<=30	Pass	
			50	21.46	3.50	24.96	<=30	Pass	
		100	0	21.52	3.50	25.02	<=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	10.2	1.645	0.0010	-2.5 to 2.5	Pass
					12	1.202	0.0007	-2.5 to 2.5	Pass
					13.8	1.359	0.0008	-2.5 to 2.5	Pass
				-30	12	2.003	0.0012	-2.5 to 2.5	Pass
				-20	12	1.874	0.0011	-2.5 to 2.5	Pass
				-10	12	2.232	0.0013	-2.5 to 2.5	Pass
				0	12	1.802	0.0011	-2.5 to 2.5	Pass
				10	12	1.173	0.0007	-2.5 to 2.5	Pass
				30	12	2.103	0.0012	-2.5 to 2.5	Pass
				40	12	1.602	0.0009	-2.5 to 2.5	Pass
				50	12	1.631	0.0010	-2.5 to 2.5	Pass
	1745	6	0	20	10.2	-1.702	-0.0010	-2.5 to 2.5	Pass
					12	-1.316	-0.0008	-2.5 to 2.5	Pass
					13.8	-2.604	-0.0015	-2.5 to 2.5	Pass
				-30	12	-2.289	-0.0013	-2.5 to 2.5	Pass
				-20	12	-2.203	-0.0013	-2.5 to 2.5	Pass
				-10	12	-1.717	-0.0010	-2.5 to 2.5	Pass
				0	12	-2.661	-0.0015	-2.5 to 2.5	Pass
				10	12	-2.933	-0.0017	-2.5 to 2.5	Pass
				30	12	-2.060	-0.0012	-2.5 to 2.5	Pass
				40	12	-2.990	-0.0017	-2.5 to 2.5	Pass
				50	12	-2.246	-0.0013	-2.5 to 2.5	Pass
	1779.3	6	0	20	10.2	0.401	0.0002	-2.5 to 2.5	Pass
					12	-0.100	-0.0001	-2.5 to 2.5	Pass
					13.8	0.587	0.0003	-2.5 to 2.5	Pass
				-30	12	0.343	0.0002	-2.5 to 2.5	Pass
				-20	12	0.830	0.0005	-2.5 to 2.5	Pass
				-10	12	0.672	0.0004	-2.5 to 2.5	Pass
				0	12	0.272	0.0002	-2.5 to 2.5	Pass
				10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				30	12	0.300	0.0002	-2.5 to 2.5	Pass
				40	12	0.787	0.0004	-2.5 to 2.5	Pass
				50	12	0.787	0.0004	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	10.2	2.732	0.0016	-2.5 to 2.5	Pass
					12	1.874	0.0011	-2.5 to 2.5	Pass
					13.8	2.160	0.0013	-2.5 to 2.5	Pass
				-30	12	2.475	0.0014	-2.5 to 2.5	Pass
				-20	12	1.359	0.0008	-2.5 to 2.5	Pass
				-10	12	1.888	0.0011	-2.5 to 2.5	Pass
				0	12	1.917	0.0011	-2.5 to 2.5	Pass
				10	12	2.003	0.0012	-2.5 to 2.5	Pass
				30	12	2.532	0.0015	-2.5 to 2.5	Pass
				40	12	2.332	0.0014	-2.5 to 2.5	Pass
				50	12	2.089	0.0012	-2.5 to 2.5	Pass
	1745	6	0	20	10.2	-2.947	-0.0017	-2.5 to 2.5	Pass
					12	-2.117	-0.0012	-2.5 to 2.5	Pass
					13.8	-2.403	-0.0014	-2.5 to 2.5	Pass
				-30	12	-2.675	-0.0015	-2.5 to 2.5	Pass
				-20	12	-2.861	-0.0016	-2.5 to 2.5	Pass
				-10	12	-3.176	-0.0018	-2.5 to 2.5	Pass

				0	12	-2.732	-0.0016	-2.5 to 2.5	Pass
				10	12	-3.576	-0.0020	-2.5 to 2.5	Pass
				30	12	-1.960	-0.0011	-2.5 to 2.5	Pass
				40	12	-3.047	-0.0017	-2.5 to 2.5	Pass
				50	12	-2.117	-0.0012	-2.5 to 2.5	Pass
	1779.3	6	0	20	10.2	0.114	0.0001	-2.5 to 2.5	Pass
					12	0.787	0.0004	-2.5 to 2.5	Pass
					13.8	0.257	0.0001	-2.5 to 2.5	Pass
				-30	12	0.558	0.0003	-2.5 to 2.5	Pass
				-20	12	1.373	0.0008	-2.5 to 2.5	Pass
				-10	12	0.973	0.0005	-2.5 to 2.5	Pass
				0	12	0.129	0.0001	-2.5 to 2.5	Pass
				10	12	0.629	0.0004	-2.5 to 2.5	Pass
				30	12	0.815	0.0005	-2.5 to 2.5	Pass
				40	12	0.544	0.0003	-2.5 to 2.5	Pass
				50	12	0.186	0.0001	-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	10.2	0.243	0.0001	-2.5 to 2.5	Pass
					12	0.415	0.0002	-2.5 to 2.5	Pass
					13.8	0.772	0.0005	-2.5 to 2.5	Pass
				-30	12	0.730	0.0004	-2.5 to 2.5	Pass
				-20	12	0.629	0.0004	-2.5 to 2.5	Pass
				-10	12	0.329	0.0002	-2.5 to 2.5	Pass
				0	12	0.300	0.0002	-2.5 to 2.5	Pass
				10	12	0.758	0.0004	-2.5 to 2.5	Pass
				30	12	0.916	0.0005	-2.5 to 2.5	Pass
				40	12	0.329	0.0002	-2.5 to 2.5	Pass
				50	12	0.672	0.0004	-2.5 to 2.5	Pass
	1745	15	0	20	10.2	-2.418	-0.0014	-2.5 to 2.5	Pass
					12	-3.319	-0.0019	-2.5 to 2.5	Pass
					13.8	-2.217	-0.0013	-2.5 to 2.5	Pass
				-30	12	-2.747	-0.0016	-2.5 to 2.5	Pass
				-20	12	-2.604	-0.0015	-2.5 to 2.5	Pass
				-10	12	-3.605	-0.0021	-2.5 to 2.5	Pass
				0	12	-2.232	-0.0013	-2.5 to 2.5	Pass
				10	12	-2.546	-0.0015	-2.5 to 2.5	Pass
				30	12	-2.775	-0.0016	-2.5 to 2.5	Pass
				40	12	-2.546	-0.0015	-2.5 to 2.5	Pass
				50	12	-2.189	-0.0013	-2.5 to 2.5	Pass
	1778.5	15	0	20	10.2	2.203	0.0012	-2.5 to 2.5	Pass
					12	1.817	0.0010	-2.5 to 2.5	Pass
					13.8	1.116	0.0006	-2.5 to 2.5	Pass
				-30	12	2.174	0.0012	-2.5 to 2.5	Pass
				-20	12	1.760	0.0010	-2.5 to 2.5	Pass
				-10	12	2.189	0.0012	-2.5 to 2.5	Pass
				0	12	1.688	0.0009	-2.5 to 2.5	Pass
				10	12	1.760	0.0010	-2.5 to 2.5	Pass
				30	12	2.761	0.0016	-2.5 to 2.5	Pass
				40	12	1.159	0.0007	-2.5 to 2.5	Pass
				50	12	2.117	0.0012	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	10.2	0.644	0.0004	-2.5 to 2.5	Pass
					12	1.602	0.0009	-2.5 to 2.5	Pass
					13.8	0.386	0.0002	-2.5 to 2.5	Pass

				-30	12	1.373	0.0008	-2.5 to 2.5	Pass
				-20	12	1.216	0.0007	-2.5 to 2.5	Pass
				-10	12	0.572	0.0003	-2.5 to 2.5	Pass
				0	12	0.043	0.0000	-2.5 to 2.5	Pass
				10	12	1.717	0.0010	-2.5 to 2.5	Pass
				30	12	0.315	0.0002	-2.5 to 2.5	Pass
				40	12	0.601	0.0004	-2.5 to 2.5	Pass
				50	12	0.572	0.0003	-2.5 to 2.5	Pass
	1745	15	0	20	10.2	-2.260	-0.0013	-2.5 to 2.5	Pass
					12	-3.061	-0.0018	-2.5 to 2.5	Pass
					13.8	-3.991	-0.0023	-2.5 to 2.5	Pass
				-30	12	-2.403	-0.0014	-2.5 to 2.5	Pass
				-20	12	-2.632	-0.0015	-2.5 to 2.5	Pass
				-10	12	-2.089	-0.0012	-2.5 to 2.5	Pass
				0	12	-2.832	-0.0016	-2.5 to 2.5	Pass
				10	12	-1.431	-0.0008	-2.5 to 2.5	Pass
				30	12	-2.160	-0.0012	-2.5 to 2.5	Pass
				40	12	-3.347	-0.0019	-2.5 to 2.5	Pass
				50	12	-2.646	-0.0015	-2.5 to 2.5	Pass
	1778.5	15	0	20	10.2	1.416	0.0008	-2.5 to 2.5	Pass
					12	1.817	0.0010	-2.5 to 2.5	Pass
					13.8	2.418	0.0014	-2.5 to 2.5	Pass
				-30	12	2.232	0.0013	-2.5 to 2.5	Pass
				-20	12	2.446	0.0014	-2.5 to 2.5	Pass
				-10	12	2.403	0.0014	-2.5 to 2.5	Pass
				0	12	2.117	0.0012	-2.5 to 2.5	Pass
				10	12	2.704	0.0015	-2.5 to 2.5	Pass
				30	12	1.574	0.0009	-2.5 to 2.5	Pass
				40	12	3.262	0.0018	-2.5 to 2.5	Pass
				50	12	2.403	0.0014	-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	10.2	1.302	0.0008	-2.5 to 2.5	Pass
					12	2.131	0.0012	-2.5 to 2.5	Pass
					13.8	1.488	0.0009	-2.5 to 2.5	Pass
				-30	12	2.618	0.0015	-2.5 to 2.5	Pass
				-20	12	1.216	0.0007	-2.5 to 2.5	Pass
				-10	12	1.760	0.0010	-2.5 to 2.5	Pass
				0	12	2.546	0.0015	-2.5 to 2.5	Pass
				10	12	1.745	0.0010	-2.5 to 2.5	Pass
				30	12	2.103	0.0012	-2.5 to 2.5	Pass
				40	12	2.332	0.0014	-2.5 to 2.5	Pass
				50	12	1.502	0.0009	-2.5 to 2.5	Pass
	1745	25	0	20	10.2	-2.775	-0.0016	-2.5 to 2.5	Pass
					12	-1.559	-0.0009	-2.5 to 2.5	Pass
					13.8	-2.360	-0.0014	-2.5 to 2.5	Pass
				-30	12	-3.648	-0.0021	-2.5 to 2.5	Pass
				-20	12	-2.832	-0.0016	-2.5 to 2.5	Pass
				-10	12	-2.532	-0.0015	-2.5 to 2.5	Pass
				0	12	-2.832	-0.0016	-2.5 to 2.5	Pass
				10	12	-2.117	-0.0012	-2.5 to 2.5	Pass
				30	12	-2.418	-0.0014	-2.5 to 2.5	Pass
				40	12	-2.432	-0.0014	-2.5 to 2.5	Pass
				50	12	-1.802	-0.0010	-2.5 to 2.5	Pass

	1777.5	25	0	20	10.2	0.658	0.0004	-2.5 to 2.5	Pass
					12	1.159	0.0007	-2.5 to 2.5	Pass
					13.8	0.873	0.0005	-2.5 to 2.5	Pass
				-30	12	0.830	0.0005	-2.5 to 2.5	Pass
				-20	12	0.701	0.0004	-2.5 to 2.5	Pass
				-10	12	0.558	0.0003	-2.5 to 2.5	Pass
				0	12	1.874	0.0011	-2.5 to 2.5	Pass
				10	12	0.558	0.0003	-2.5 to 2.5	Pass
				30	12	1.359	0.0008	-2.5 to 2.5	Pass
				40	12	0.114	0.0001	-2.5 to 2.5	Pass
				50	12	0.658	0.0004	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	10.2	2.332	0.0014	-2.5 to 2.5	Pass
					12	1.616	0.0009	-2.5 to 2.5	Pass
					13.8	1.645	0.0010	-2.5 to 2.5	Pass
				-30	12	2.518	0.0015	-2.5 to 2.5	Pass
				-20	12	1.101	0.0006	-2.5 to 2.5	Pass
				-10	12	2.074	0.0012	-2.5 to 2.5	Pass
				0	12	1.574	0.0009	-2.5 to 2.5	Pass
				10	12	2.031	0.0012	-2.5 to 2.5	Pass
				30	12	2.246	0.0013	-2.5 to 2.5	Pass
				40	12	0.715	0.0004	-2.5 to 2.5	Pass
				50	12	1.888	0.0011	-2.5 to 2.5	Pass
	1745	25	0	20	10.2	-2.260	-0.0013	-2.5 to 2.5	Pass
					12	-1.788	-0.0010	-2.5 to 2.5	Pass
					13.8	-3.176	-0.0018	-2.5 to 2.5	Pass
				-30	12	-2.832	-0.0016	-2.5 to 2.5	Pass
				-20	12	-1.030	-0.0006	-2.5 to 2.5	Pass
				-10	12	-2.704	-0.0015	-2.5 to 2.5	Pass
				0	12	-3.633	-0.0021	-2.5 to 2.5	Pass
				10	12	-2.489	-0.0014	-2.5 to 2.5	Pass
				30	12	-3.347	-0.0019	-2.5 to 2.5	Pass
				40	12	-2.432	-0.0014	-2.5 to 2.5	Pass
				50	12	-2.747	-0.0016	-2.5 to 2.5	Pass
	1777.5	25	0	20	10.2	1.316	0.0007	-2.5 to 2.5	Pass
					12	0.815	0.0005	-2.5 to 2.5	Pass
					13.8	1.817	0.0010	-2.5 to 2.5	Pass
				-30	12	0.501	0.0003	-2.5 to 2.5	Pass
				-20	12	1.316	0.0007	-2.5 to 2.5	Pass
				-10	12	1.159	0.0007	-2.5 to 2.5	Pass
				0	12	0.958	0.0005	-2.5 to 2.5	Pass
				10	12	1.044	0.0006	-2.5 to 2.5	Pass
				30	12	0.343	0.0002	-2.5 to 2.5	Pass
				40	12	0.973	0.0005	-2.5 to 2.5	Pass
				50	12	0.815	0.0005	-2.5 to 2.5	Pass

2.1.4 B66_10MHz

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	10.2	-2.303	-0.0013	-2.5 to 2.5	Pass
					12	-2.060	-0.0012	-2.5 to 2.5	Pass
					13.8	-1.445	-0.0008	-2.5 to 2.5	Pass
				-30	12	-2.961	-0.0017	-2.5 to 2.5	Pass
				-20	12	-2.732	-0.0016	-2.5 to 2.5	Pass
				-10	12	-1.731	-0.0010	-2.5 to 2.5	Pass
				0	12	-2.718	-0.0016	-2.5 to 2.5	Pass
				10	12	-2.704	-0.0016	-2.5 to 2.5	Pass
				30	12	-2.174	-0.0013	-2.5 to 2.5	Pass
				40	12	-2.303	-0.0013	-2.5 to 2.5	Pass
				50	12	-2.975	-0.0017	-2.5 to 2.5	Pass
	1745	50	0	20	10.2	-2.947	-0.0017	-2.5 to 2.5	Pass
					12	-2.675	-0.0015	-2.5 to 2.5	Pass
					13.8	-1.903	-0.0011	-2.5 to 2.5	Pass
				-30	12	-2.317	-0.0013	-2.5 to 2.5	Pass
				-20	12	-2.489	-0.0014	-2.5 to 2.5	Pass
				-10	12	-2.446	-0.0014	-2.5 to 2.5	Pass
				0	12	-3.262	-0.0019	-2.5 to 2.5	Pass
				10	12	-2.346	-0.0013	-2.5 to 2.5	Pass
				30	12	-2.317	-0.0013	-2.5 to 2.5	Pass
				40	12	-2.789	-0.0016	-2.5 to 2.5	Pass
				50	12	-2.275	-0.0013	-2.5 to 2.5	Pass
	1775	50	0	20	10.2	-2.789	-0.0016	-2.5 to 2.5	Pass
					12	-2.003	-0.0011	-2.5 to 2.5	Pass
					13.8	-2.689	-0.0015	-2.5 to 2.5	Pass
				-30	12	-1.802	-0.0010	-2.5 to 2.5	Pass
				-20	12	-2.389	-0.0013	-2.5 to 2.5	Pass
				-10	12	-2.418	-0.0014	-2.5 to 2.5	Pass
				0	12	-2.661	-0.0015	-2.5 to 2.5	Pass
				10	12	-2.832	-0.0016	-2.5 to 2.5	Pass
				30	12	-3.376	-0.0019	-2.5 to 2.5	Pass
				40	12	-2.518	-0.0014	-2.5 to 2.5	Pass
				50	12	-2.346	-0.0013	-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	10.2	-0.257	-0.0001	-2.5 to 2.5	Pass
					12	-0.415	-0.0002	-2.5 to 2.5	Pass
					13.8	0.114	0.0001	-2.5 to 2.5	Pass
				-30	12	-0.072	0.0000	-2.5 to 2.5	Pass
				-20	12	-0.415	-0.0002	-2.5 to 2.5	Pass
				-10	12	0.043	0.0000	-2.5 to 2.5	Pass
				0	12	0.157	0.0001	-2.5 to 2.5	Pass
				10	12	0.458	0.0003	-2.5 to 2.5	Pass
				30	12	0.114	0.0001	-2.5 to 2.5	Pass
				40	12	0.529	0.0003	-2.5 to 2.5	Pass
				50	12	-0.243	-0.0001	-2.5 to 2.5	Pass
	1745	75	0	20	10.2	-2.546	-0.0015	-2.5 to 2.5	Pass
					12	-2.546	-0.0015	-2.5 to 2.5	Pass
					13.8	-2.375	-0.0014	-2.5 to 2.5	Pass
				-30	12	-2.761	-0.0016	-2.5 to 2.5	Pass

				-20	12	-2.160	-0.0012	-2.5 to 2.5	Pass
				-10	12	-2.475	-0.0014	-2.5 to 2.5	Pass
				0	12	-2.418	-0.0014	-2.5 to 2.5	Pass
				10	12	-2.646	-0.0015	-2.5 to 2.5	Pass
				30	12	-2.918	-0.0017	-2.5 to 2.5	Pass
				40	12	-3.076	-0.0018	-2.5 to 2.5	Pass
				50	12	-2.460	-0.0014	-2.5 to 2.5	Pass
	1772.5	75	0	20	10.2	1.588	0.0009	-2.5 to 2.5	Pass
					12	1.202	0.0007	-2.5 to 2.5	Pass
					13.8	1.774	0.0010	-2.5 to 2.5	Pass
				-30	12	1.731	0.0010	-2.5 to 2.5	Pass
				-20	12	2.103	0.0012	-2.5 to 2.5	Pass
				-10	12	1.345	0.0008	-2.5 to 2.5	Pass
				0	12	1.345	0.0008	-2.5 to 2.5	Pass
				10	12	1.044	0.0006	-2.5 to 2.5	Pass
				30	12	0.873	0.0005	-2.5 to 2.5	Pass
				40	12	0.916	0.0005	-2.5 to 2.5	Pass
				50	12	1.602	0.0009	-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	10.2	1.316	0.0008	-2.5 to 2.5	Pass
					12	2.232	0.0013	-2.5 to 2.5	Pass
					13.8	0.286	0.0002	-2.5 to 2.5	Pass
				-30	12	1.817	0.0011	-2.5 to 2.5	Pass
				-20	12	1.073	0.0006	-2.5 to 2.5	Pass
				-10	12	1.345	0.0008	-2.5 to 2.5	Pass
				0	12	1.287	0.0007	-2.5 to 2.5	Pass
				10	12	0.930	0.0005	-2.5 to 2.5	Pass
				30	12	0.944	0.0005	-2.5 to 2.5	Pass
				40	12	1.774	0.0010	-2.5 to 2.5	Pass
				50	12	1.316	0.0008	-2.5 to 2.5	Pass
	1745	100	0	20	10.2	-2.174	-0.0012	-2.5 to 2.5	Pass
					12	-2.861	-0.0016	-2.5 to 2.5	Pass
					13.8	-2.089	-0.0012	-2.5 to 2.5	Pass
				-30	12	-2.890	-0.0017	-2.5 to 2.5	Pass
				-20	12	-3.104	-0.0018	-2.5 to 2.5	Pass
				-10	12	-2.446	-0.0014	-2.5 to 2.5	Pass
				0	12	-2.704	-0.0015	-2.5 to 2.5	Pass
				10	12	-2.489	-0.0014	-2.5 to 2.5	Pass
				30	12	-2.675	-0.0015	-2.5 to 2.5	Pass
				40	12	-2.861	-0.0016	-2.5 to 2.5	Pass
				50	12	-2.532	-0.0015	-2.5 to 2.5	Pass
	1770	100	0	20	10.2	0.358	0.0002	-2.5 to 2.5	Pass
					12	0.229	0.0001	-2.5 to 2.5	Pass
					13.8	-0.186	-0.0001	-2.5 to 2.5	Pass
				-30	12	0.286	0.0002	-2.5 to 2.5	Pass
				-20	12	0.358	0.0002	-2.5 to 2.5	Pass
				-10	12	-0.243	-0.0001	-2.5 to 2.5	Pass
				0	12	1.016	0.0006	-2.5 to 2.5	Pass
				10	12	-0.029	0.0000	-2.5 to 2.5	Pass
				30	12	-0.243	-0.0001	-2.5 to 2.5	Pass
				40	12	-0.043	0.0000	-2.5 to 2.5	Pass
				50	12	0.644	0.0004	-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 / 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 / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	50	0	Refer To Test Graph		Pass

3.1.5 B66_15MHz

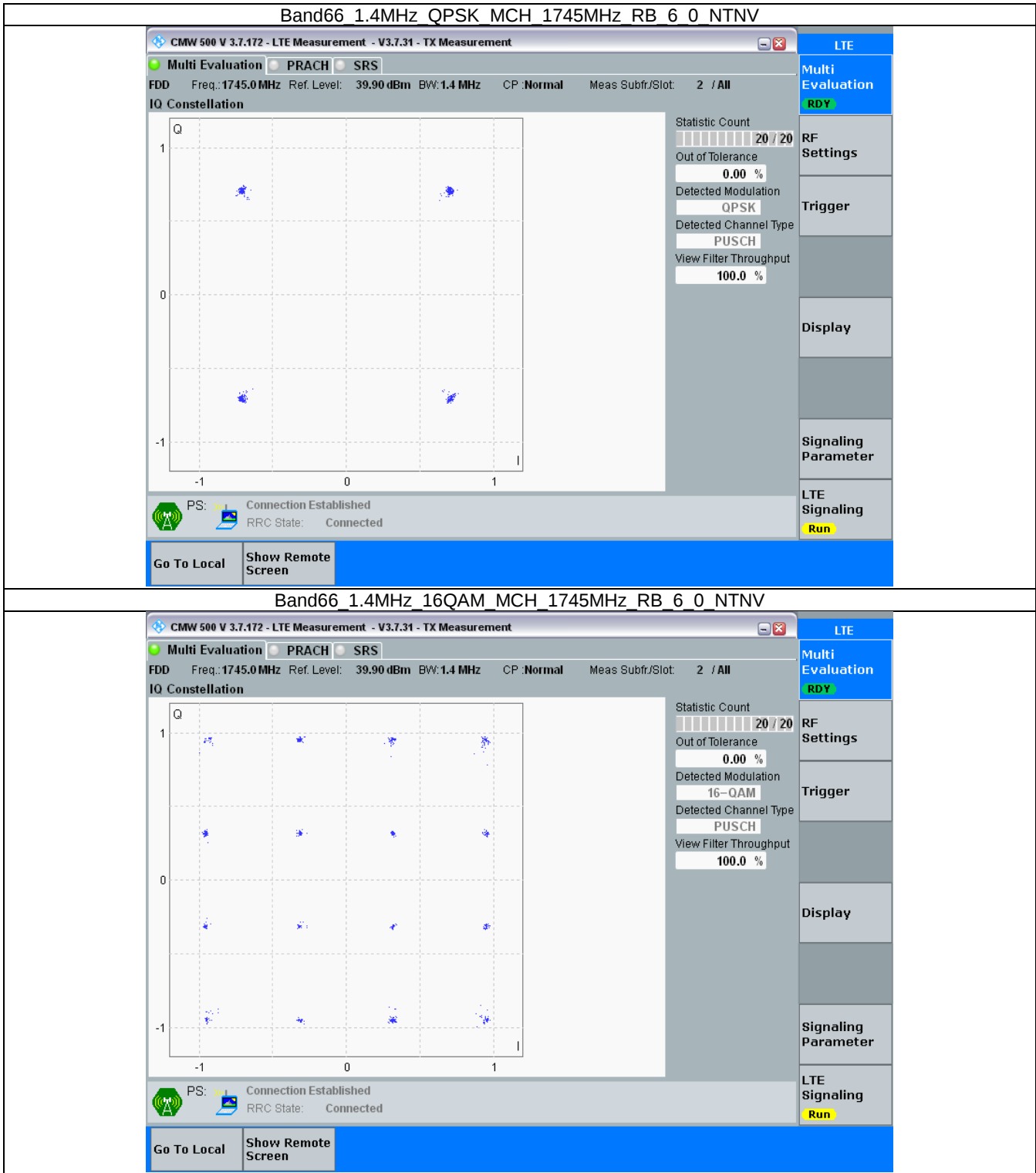
Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	75	0	Refer To Test Graph		Pass

3.1.6 B66_20MHz

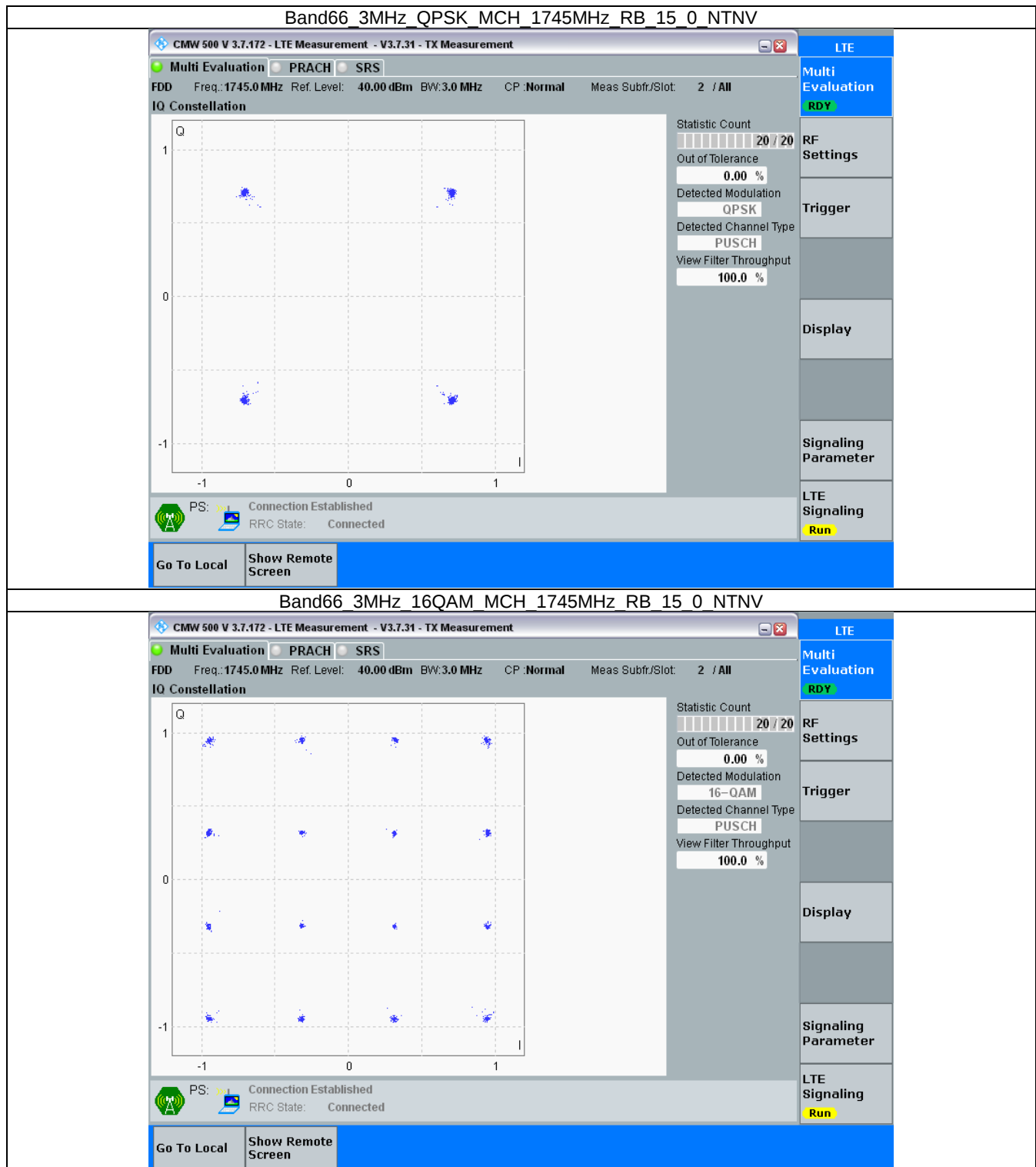
Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
OPSK	1745	100	0	Refer To Test Graph		Pass

3.2 Test Graph

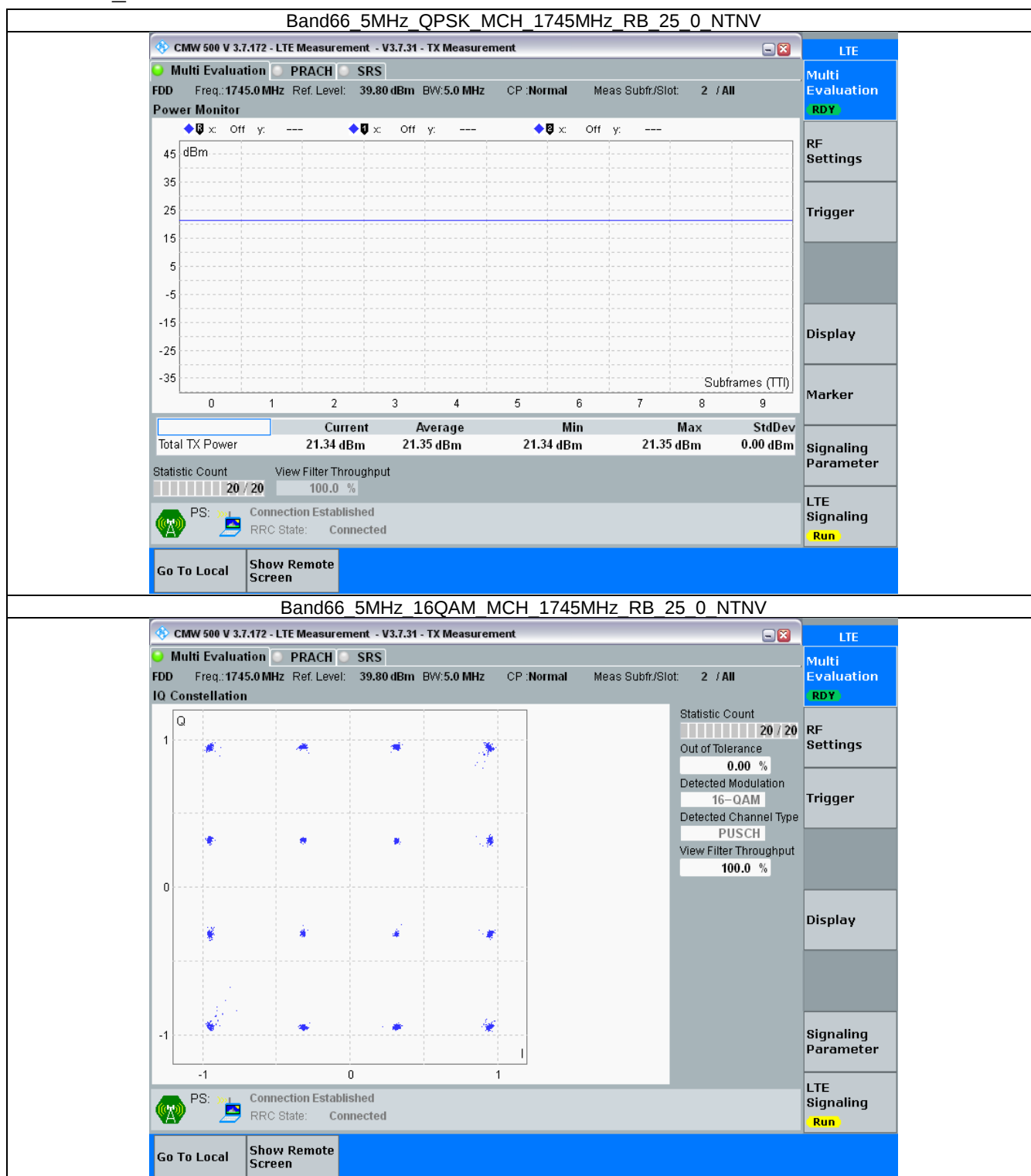
3.2.1 B66_1.4MHz



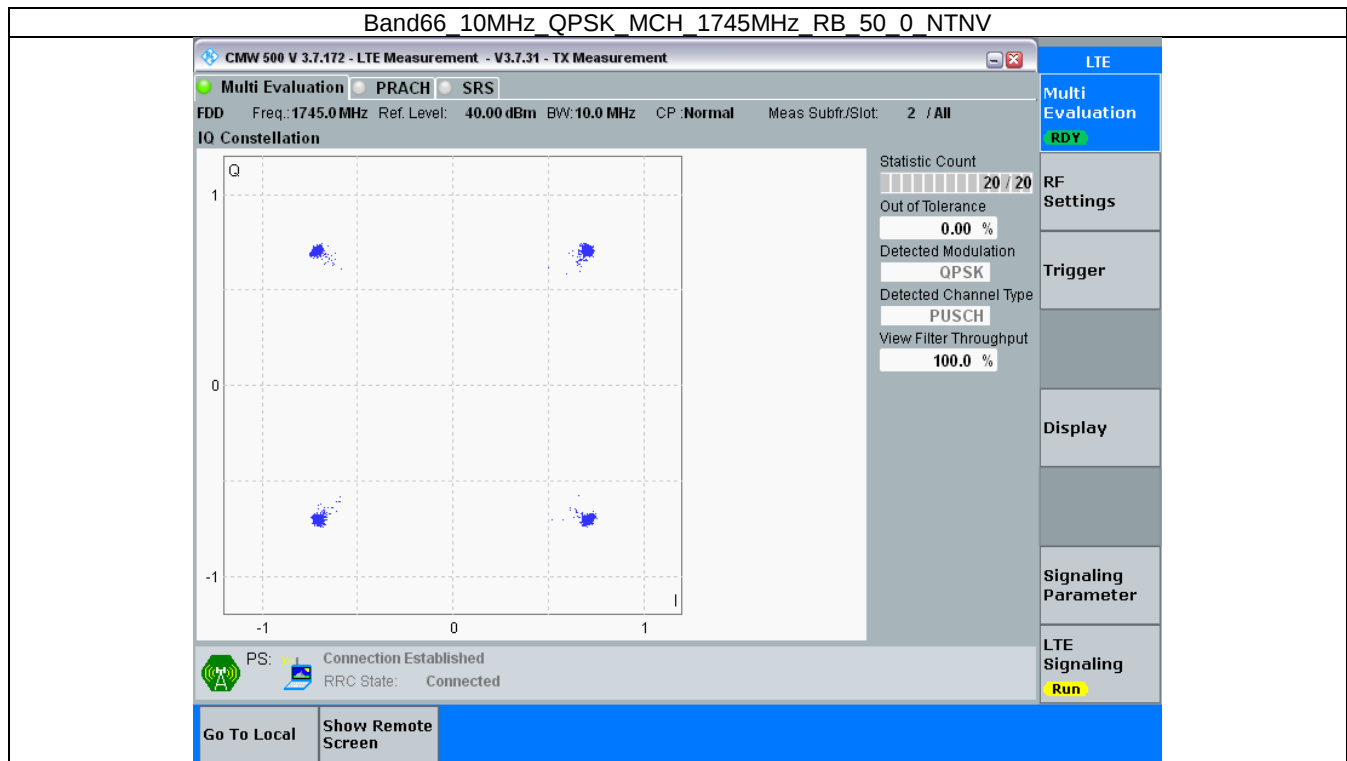
3.2.2 B66_3MHz



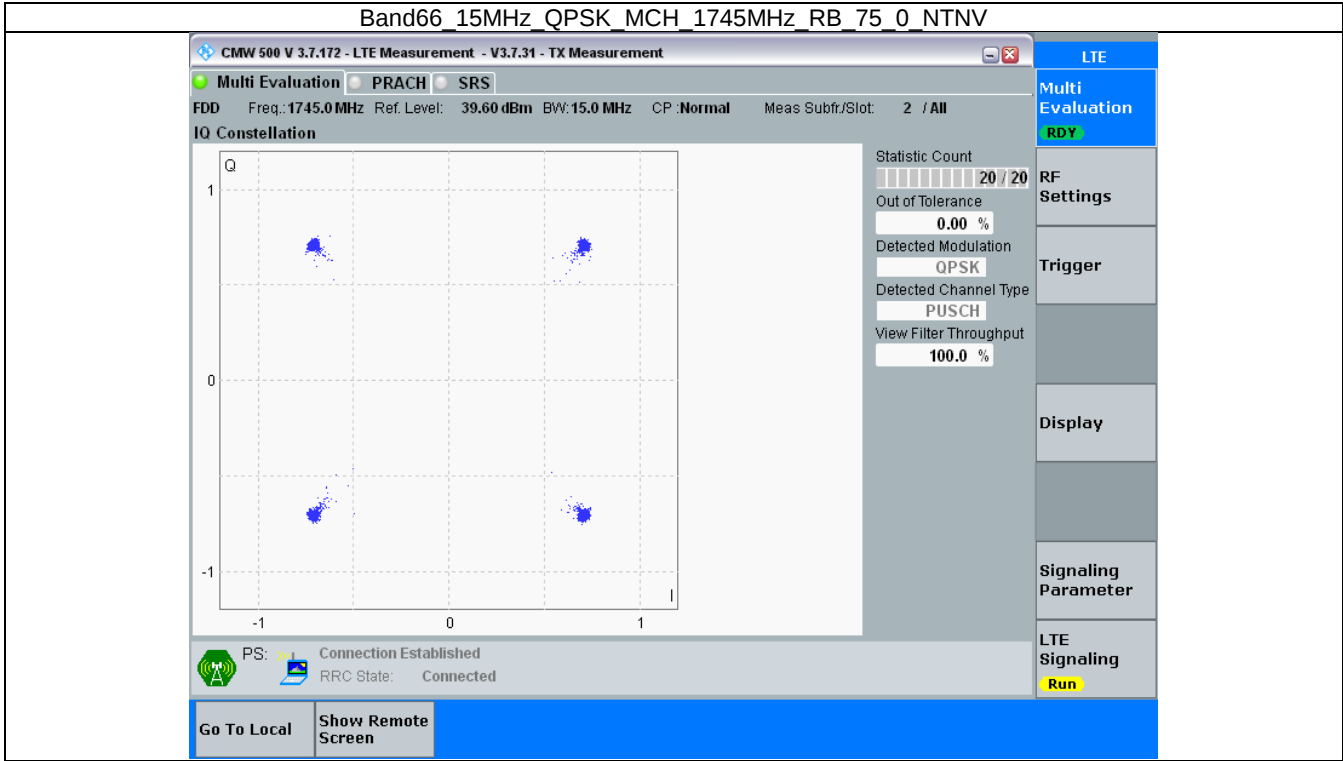
3.2.3 B66_5MHz



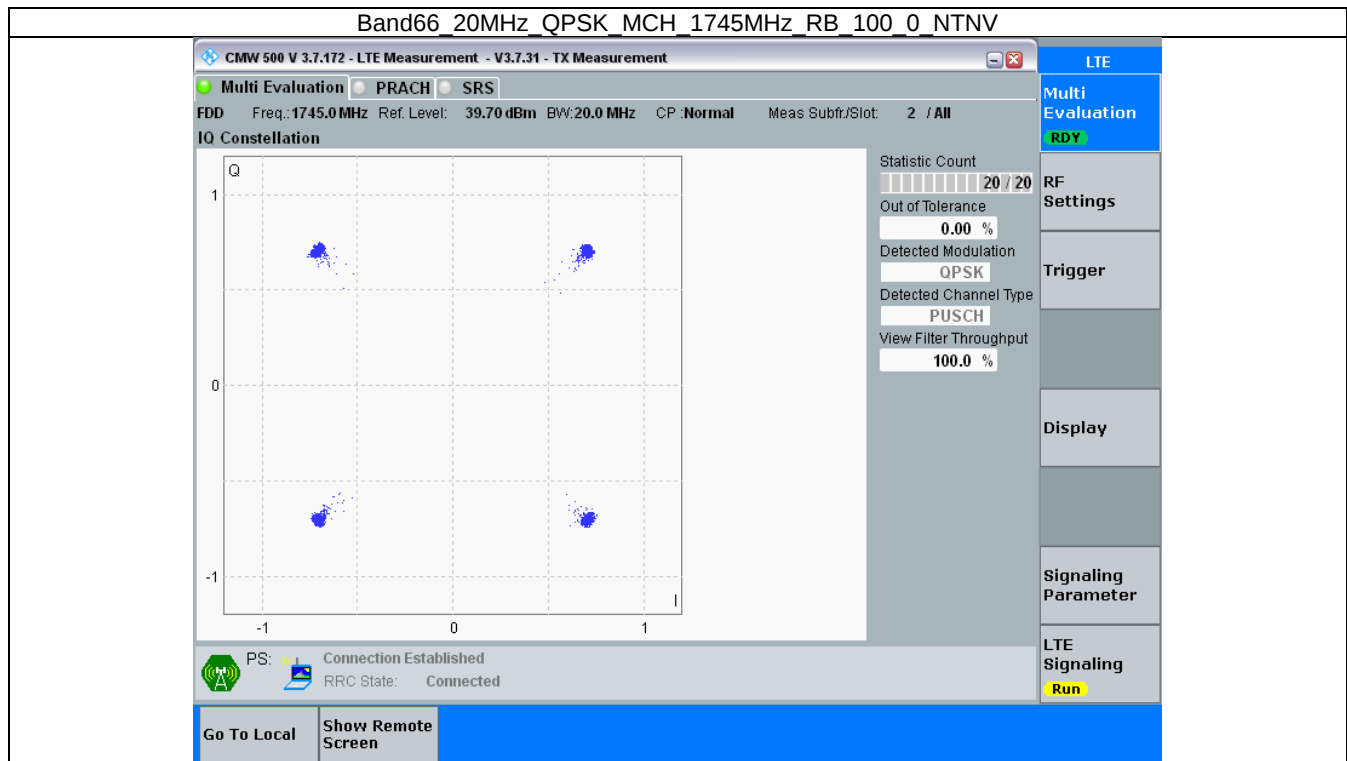
3.2.4 B66_10MHz



3.2.5 B66_15MHz



3.2.6 B66_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band66_OBW

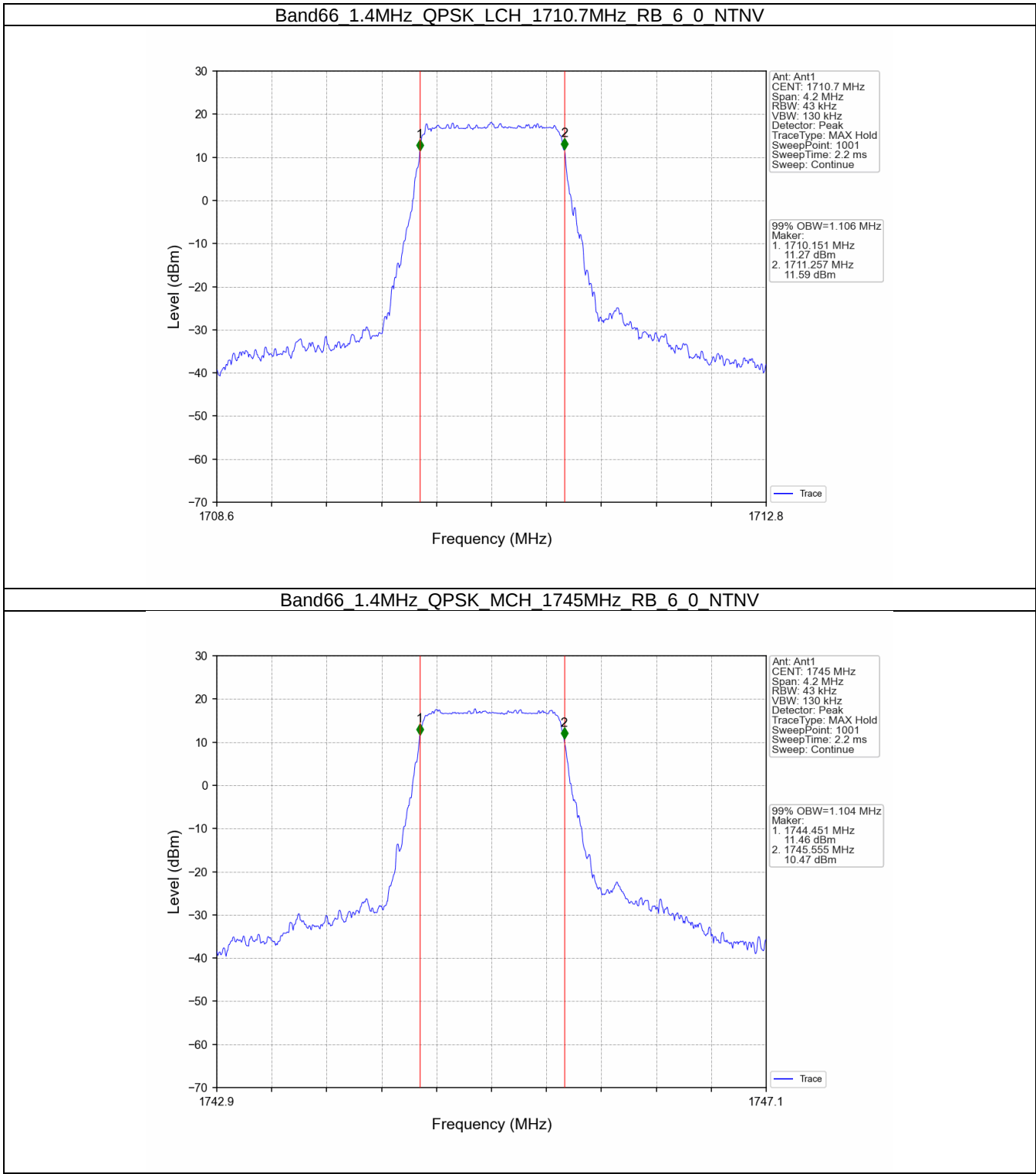
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.106	/	Pass
		1745	6	0	1.104	/	Pass
		1779.3	6	0	1.115	/	Pass
	16QAM	1710.7	6	0	1.116	/	Pass
		1745	6	0	1.114	/	Pass
		1779.3	6	0	1.114	/	Pass
3	QPSK	1711.5	15	0	2.736	/	Pass
		1745	15	0	2.740	/	Pass
		1778.5	15	0	2.741	/	Pass
	16QAM	1711.5	15	0	2.737	/	Pass
		1745	15	0	2.735	/	Pass
		1778.5	15	0	2.736	/	Pass
5	QPSK	1712.5	25	0	4.573	/	Pass
		1745	25	0	4.544	/	Pass
		1777.5	25	0	4.560	/	Pass
	16QAM	1712.5	25	0	4.533	/	Pass
		1745	25	0	4.562	/	Pass
		1777.5	25	0	4.560	/	Pass
10	QPSK	1715	50	0	9.032	/	Pass
		1745	50	0	9.053	/	Pass
		1775	50	0	8.993	/	Pass
15	QPSK	1717.5	75	0	13.520	/	Pass
		1745	75	0	13.561	/	Pass
		1772.5	75	0	13.529	/	Pass
20	QPSK	1720	100	0	17.994	/	Pass
		1745	100	0	18.104	/	Pass
		1770	100	0	17.958	/	Pass

4.1.2 Band66_XDB

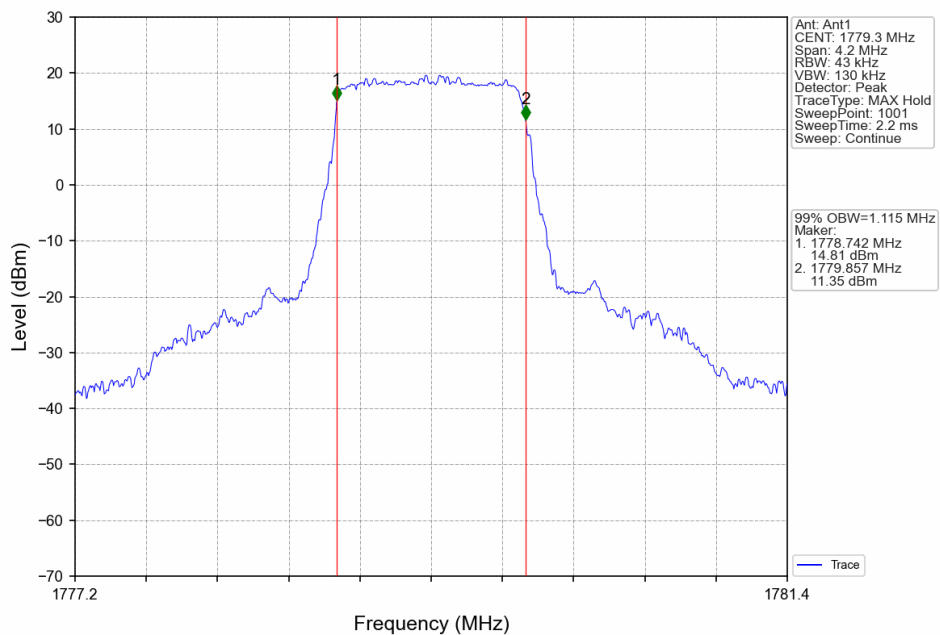
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.336	/	Pass
		1745	6	0	1.331	/	Pass
		1779.3	6	0	1.327	/	Pass
	16QAM	1710.7	6	0	1.304	/	Pass
		1745	6	0	1.320	/	Pass
		1779.3	6	0	1.330	/	Pass
3	QPSK	1711.5	15	0	3.059	/	Pass
		1745	15	0	3.050	/	Pass
		1778.5	15	0	3.058	/	Pass
	16QAM	1711.5	15	0	3.061	/	Pass
		1745	15	0	3.059	/	Pass
		1778.5	15	0	3.060	/	Pass
5	QPSK	1712.5	25	0	5.081	/	Pass
		1745	25	0	5.099	/	Pass
		1777.5	25	0	5.032	/	Pass
	16QAM	1712.5	25	0	5.059	/	Pass
		1745	25	0	5.077	/	Pass
		1777.5	25	0	5.088	/	Pass
10	QPSK	1715	50	0	10.156	/	Pass
		1745	50	0	10.086	/	Pass
		1775	50	0	9.933	/	Pass
15	QPSK	1717.5	75	0	14.916	/	Pass
		1745	75	0	14.991	/	Pass
		1772.5	75	0	15.021	/	Pass
20	QPSK	1720	100	0	19.627	/	Pass
		1745	100	0	19.789	/	Pass
		1770	100	0	19.684	/	Pass

4.2 Test Graph

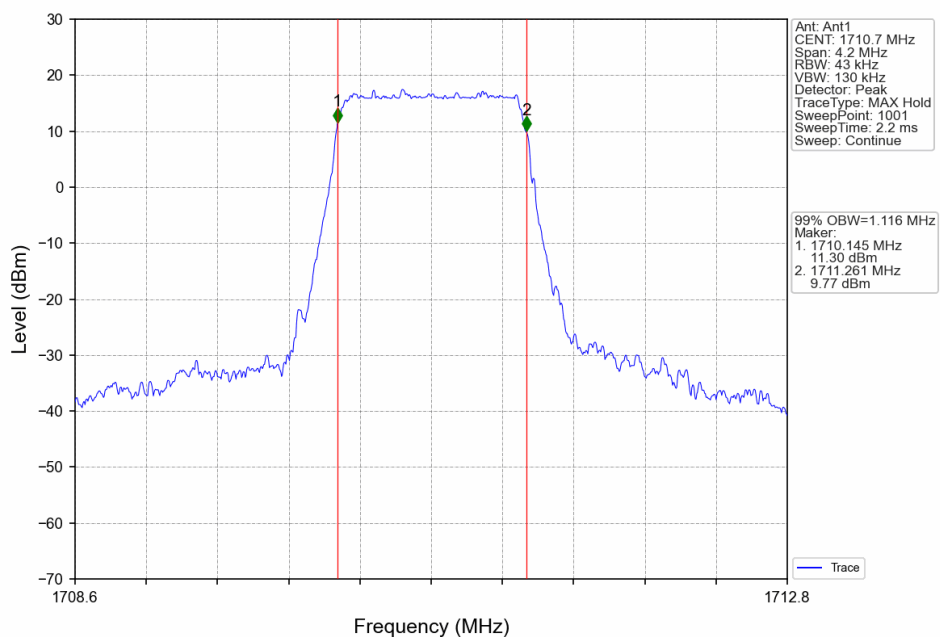
4.2.1 Band66_OBW



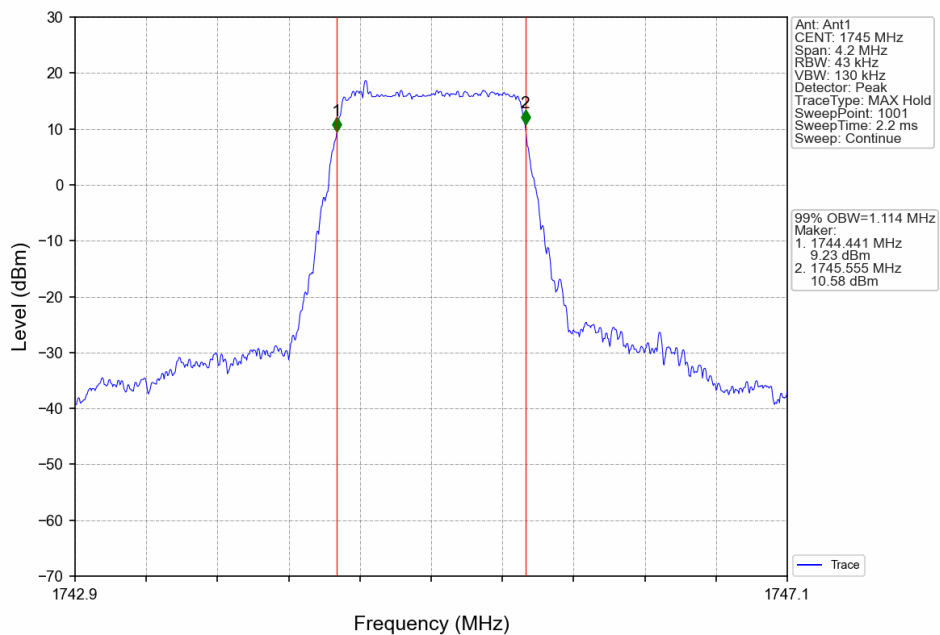
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTNV



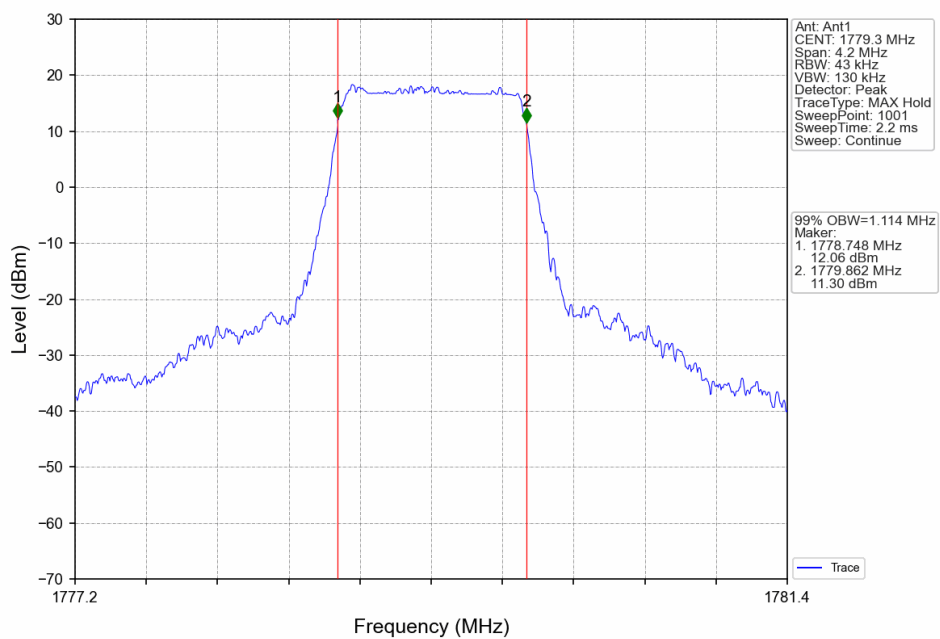
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



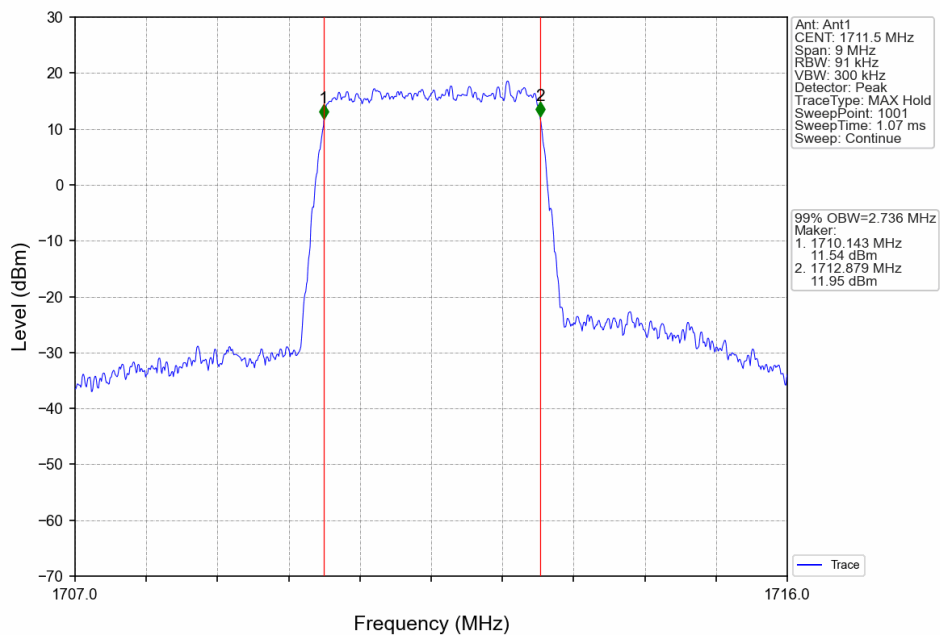
Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTNV



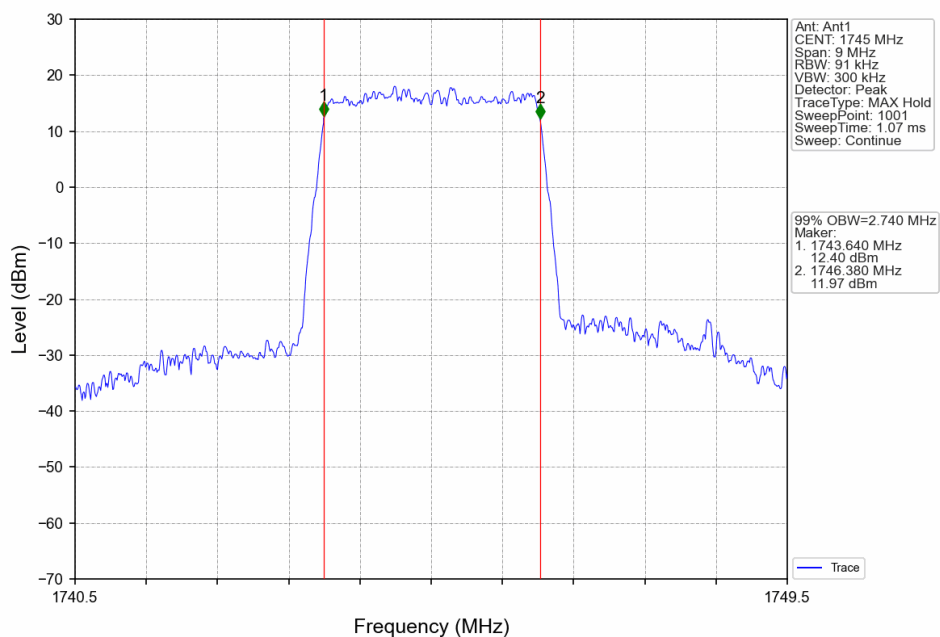
Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTNV

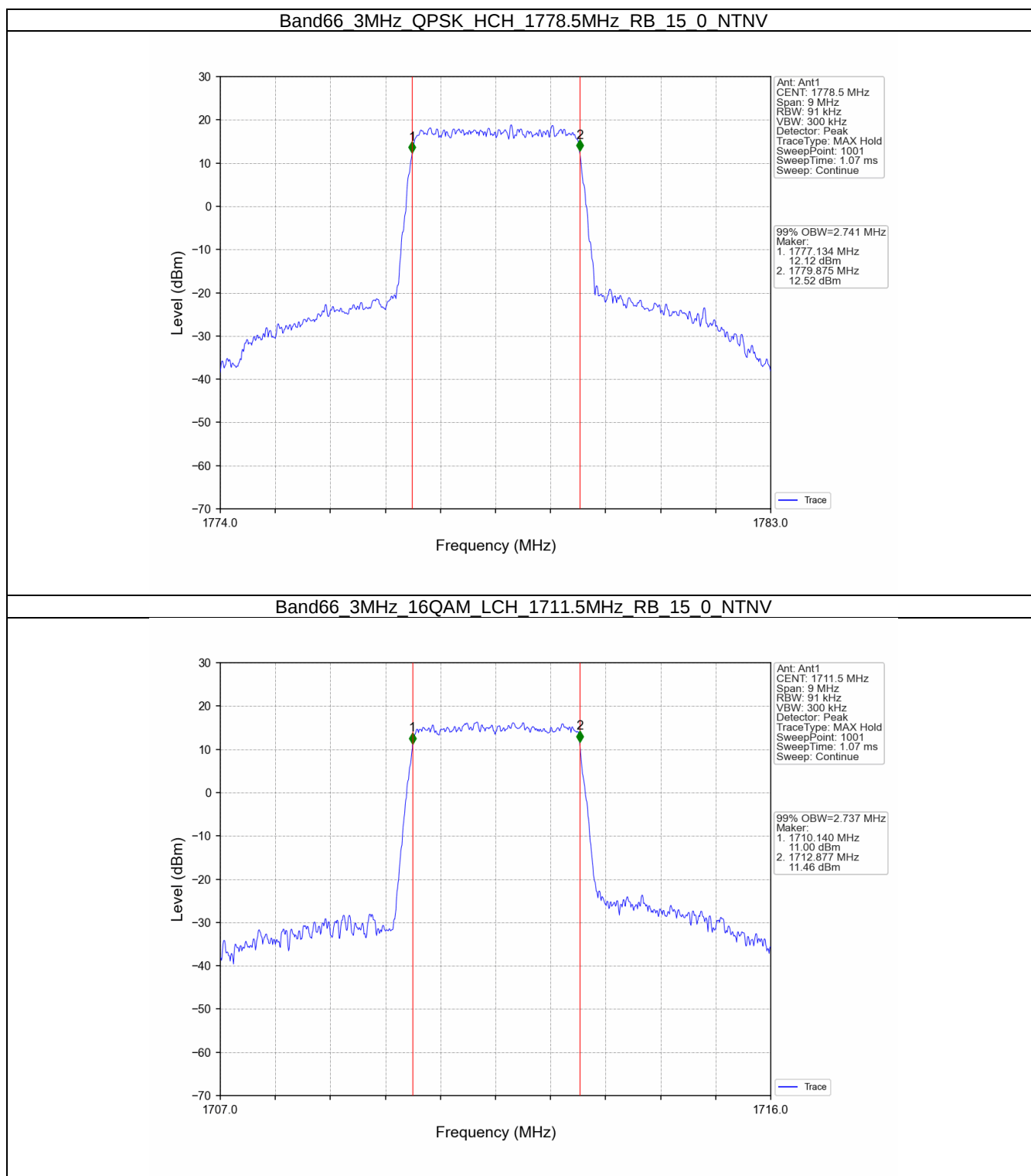


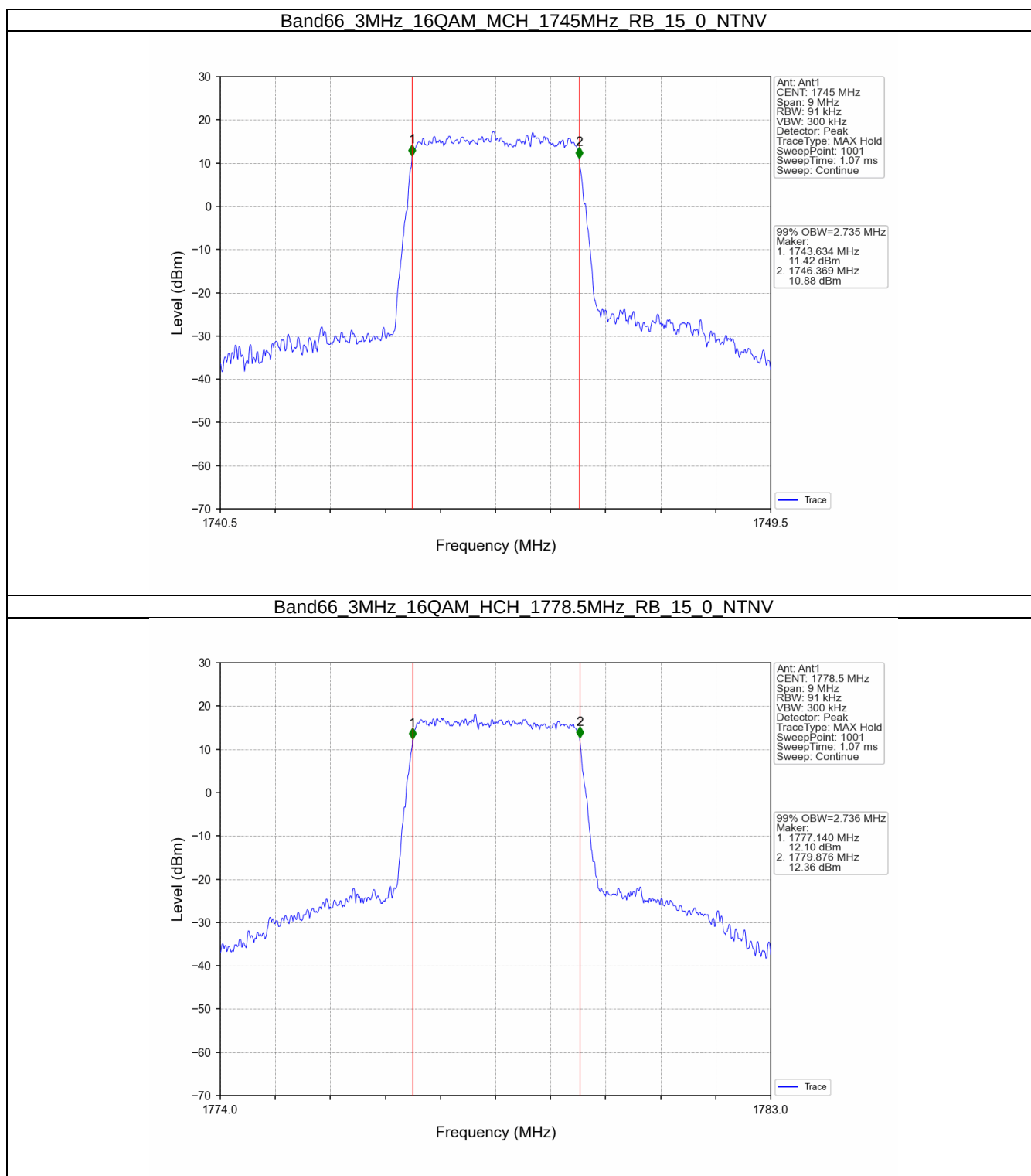
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



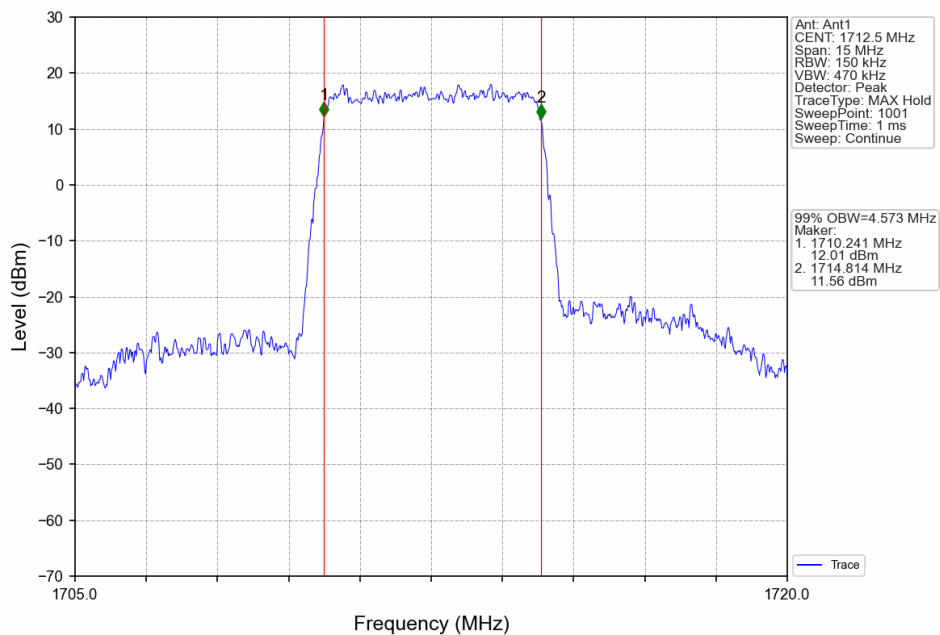
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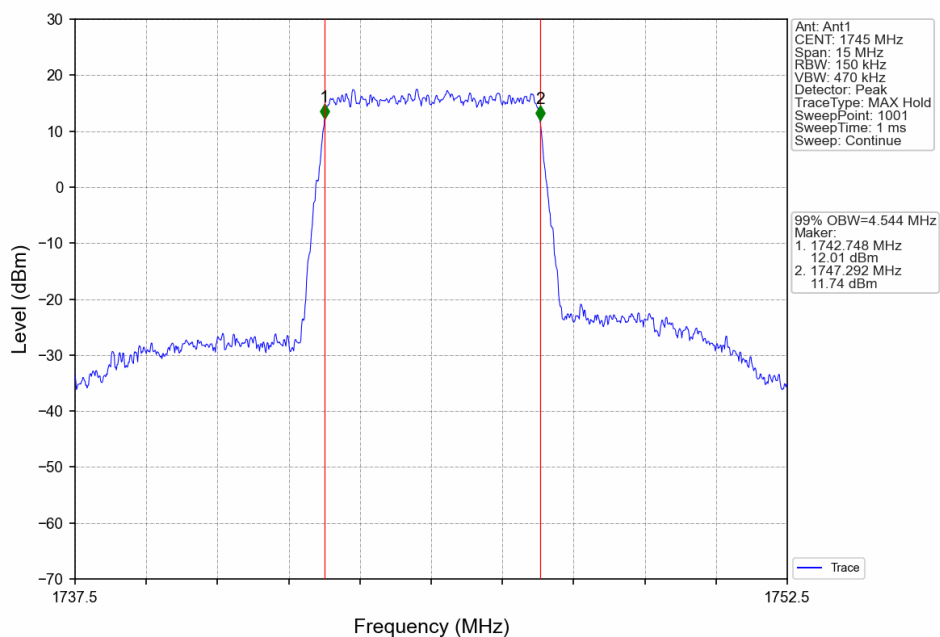




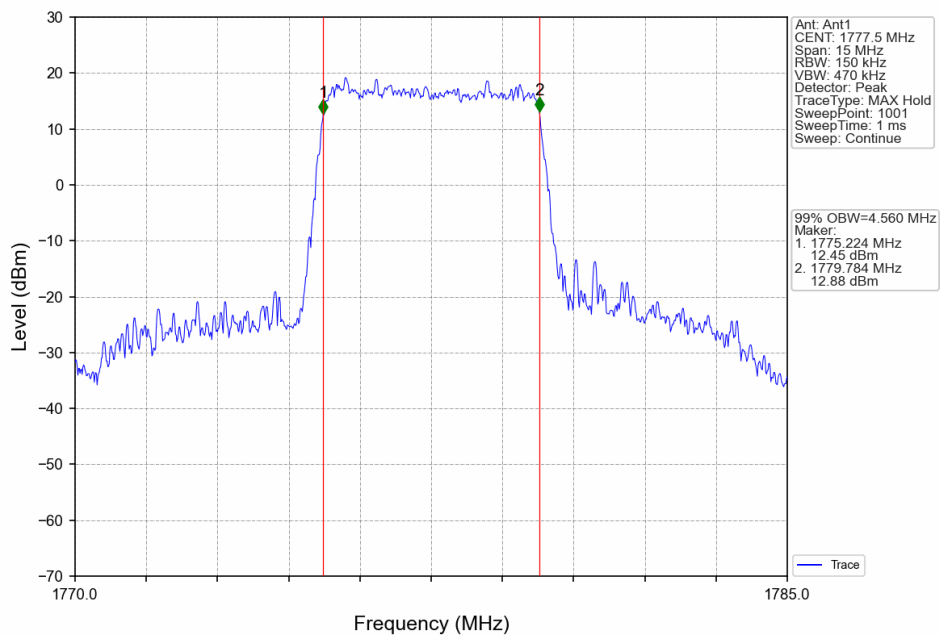
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



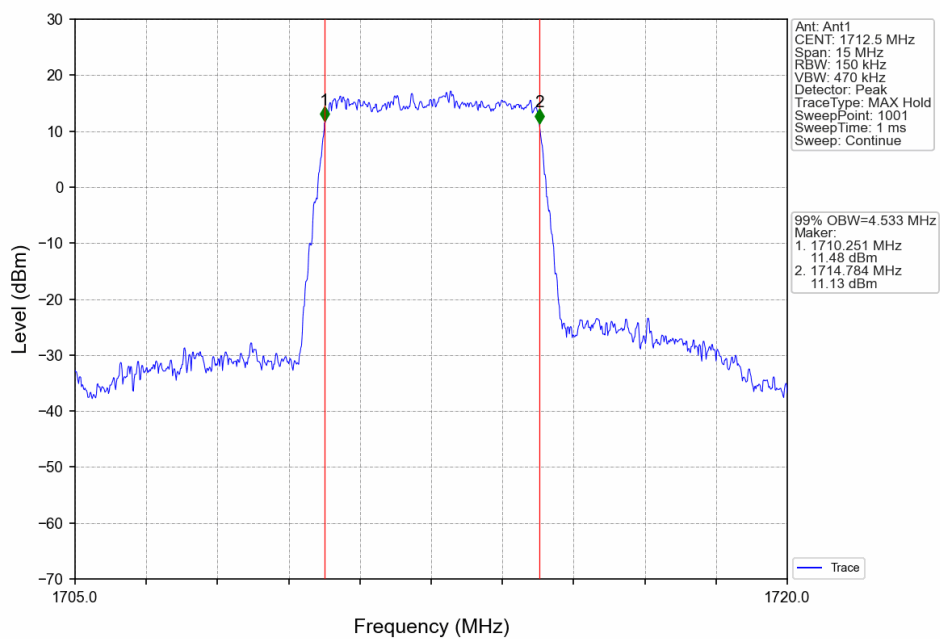
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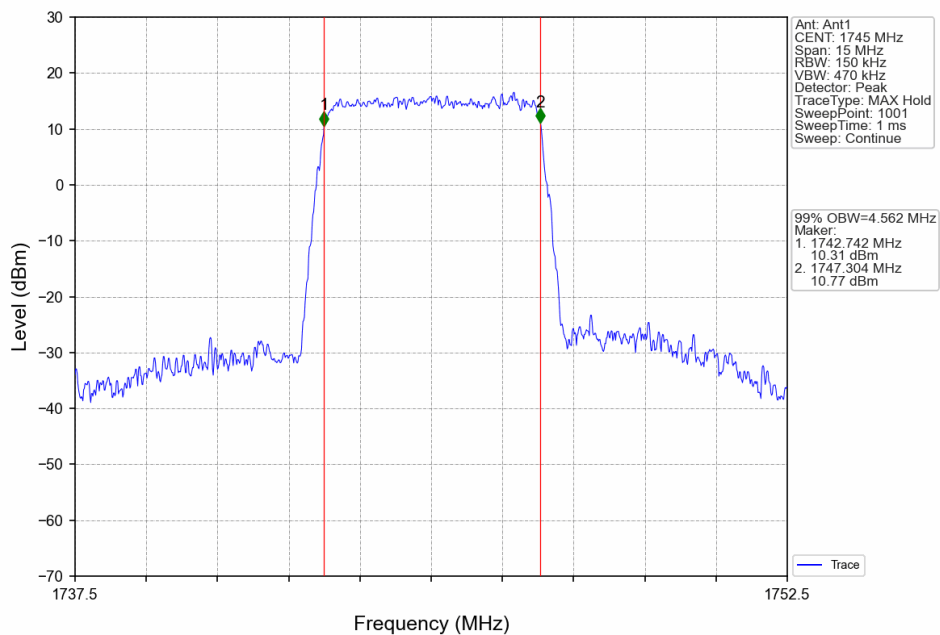
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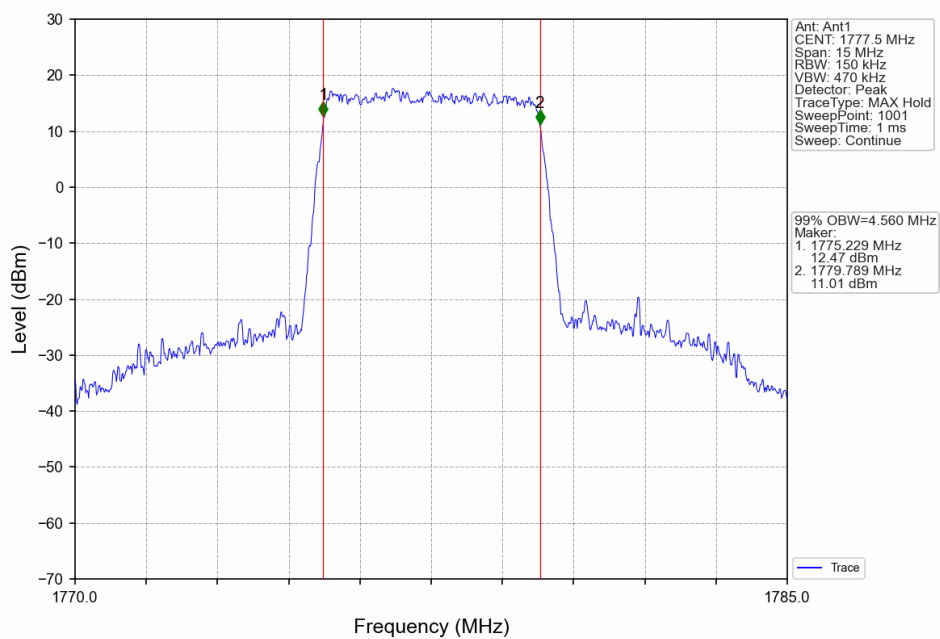
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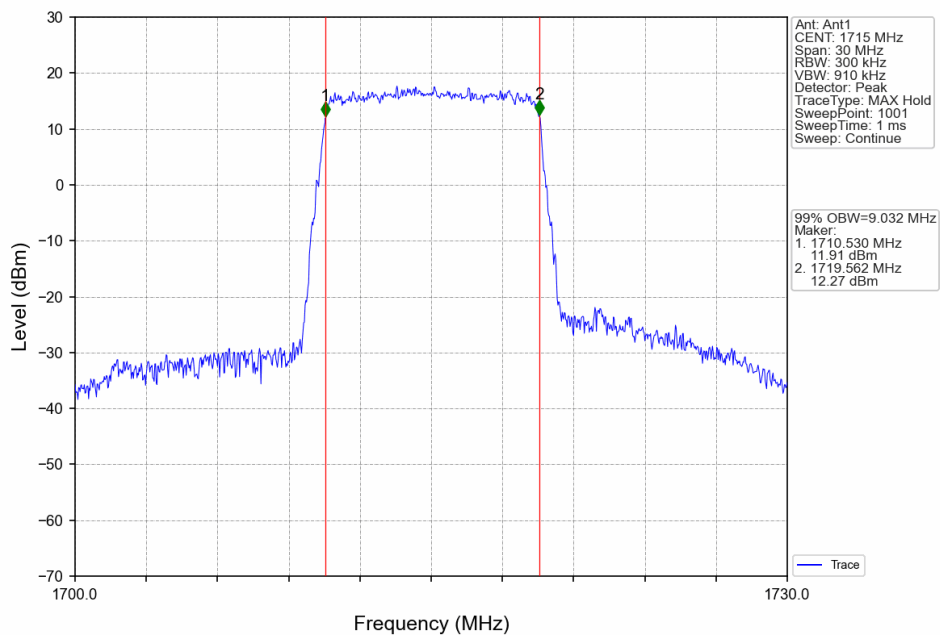
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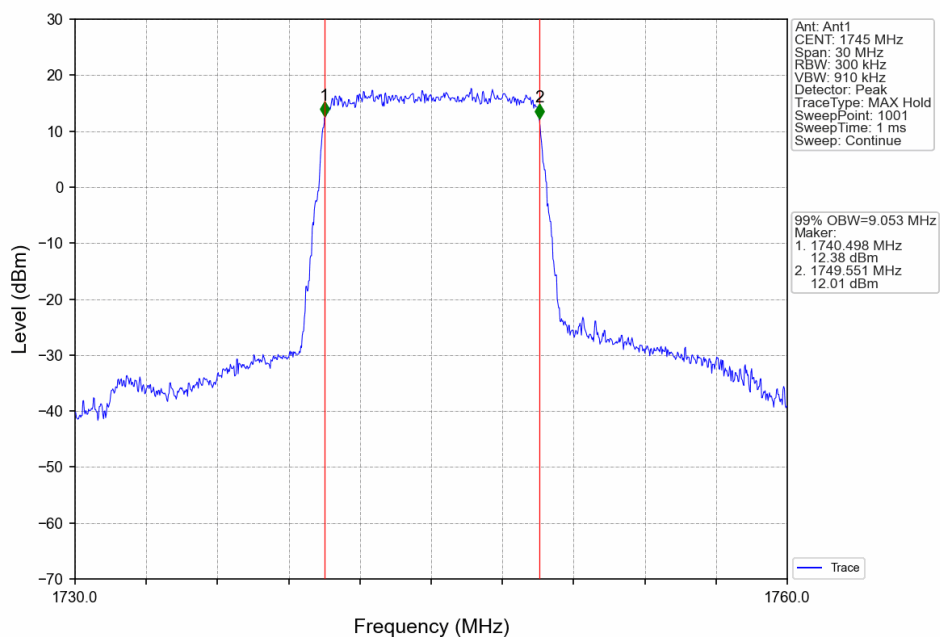
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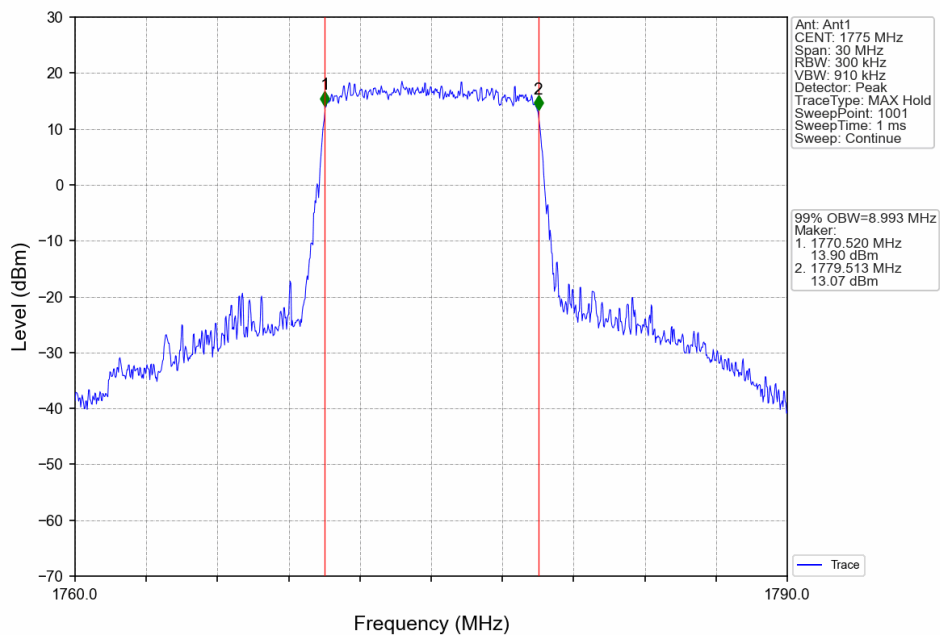
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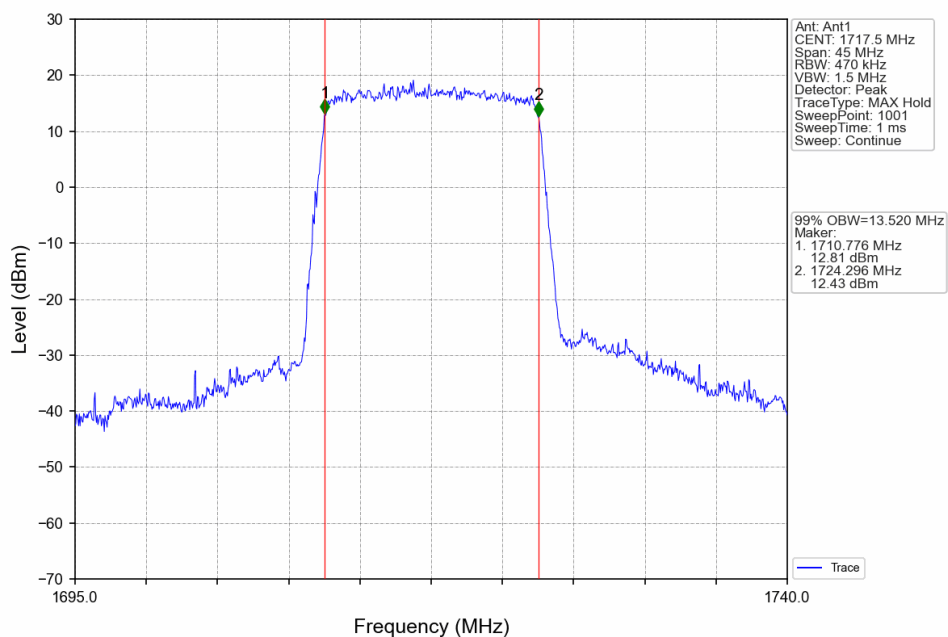
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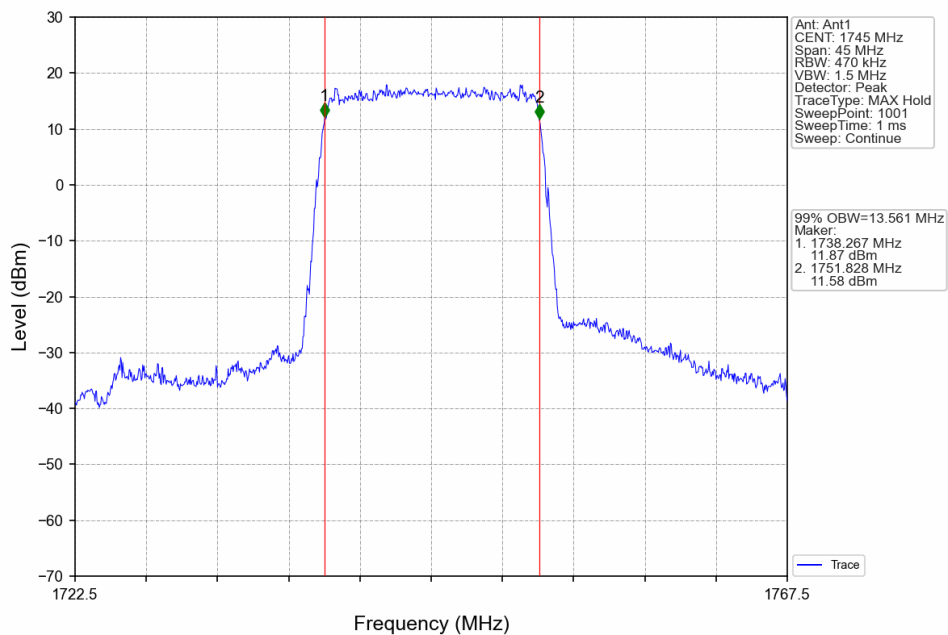
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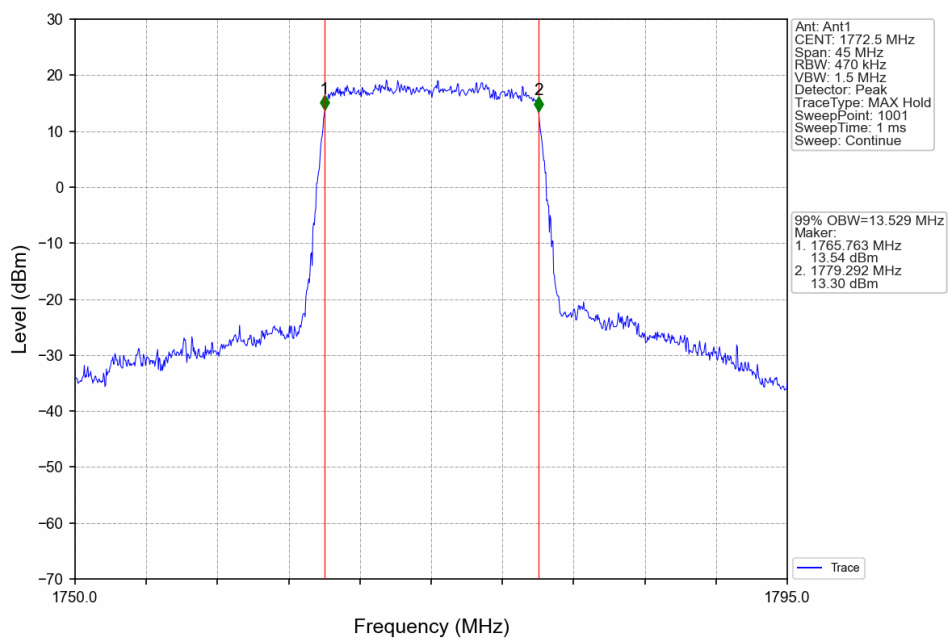
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

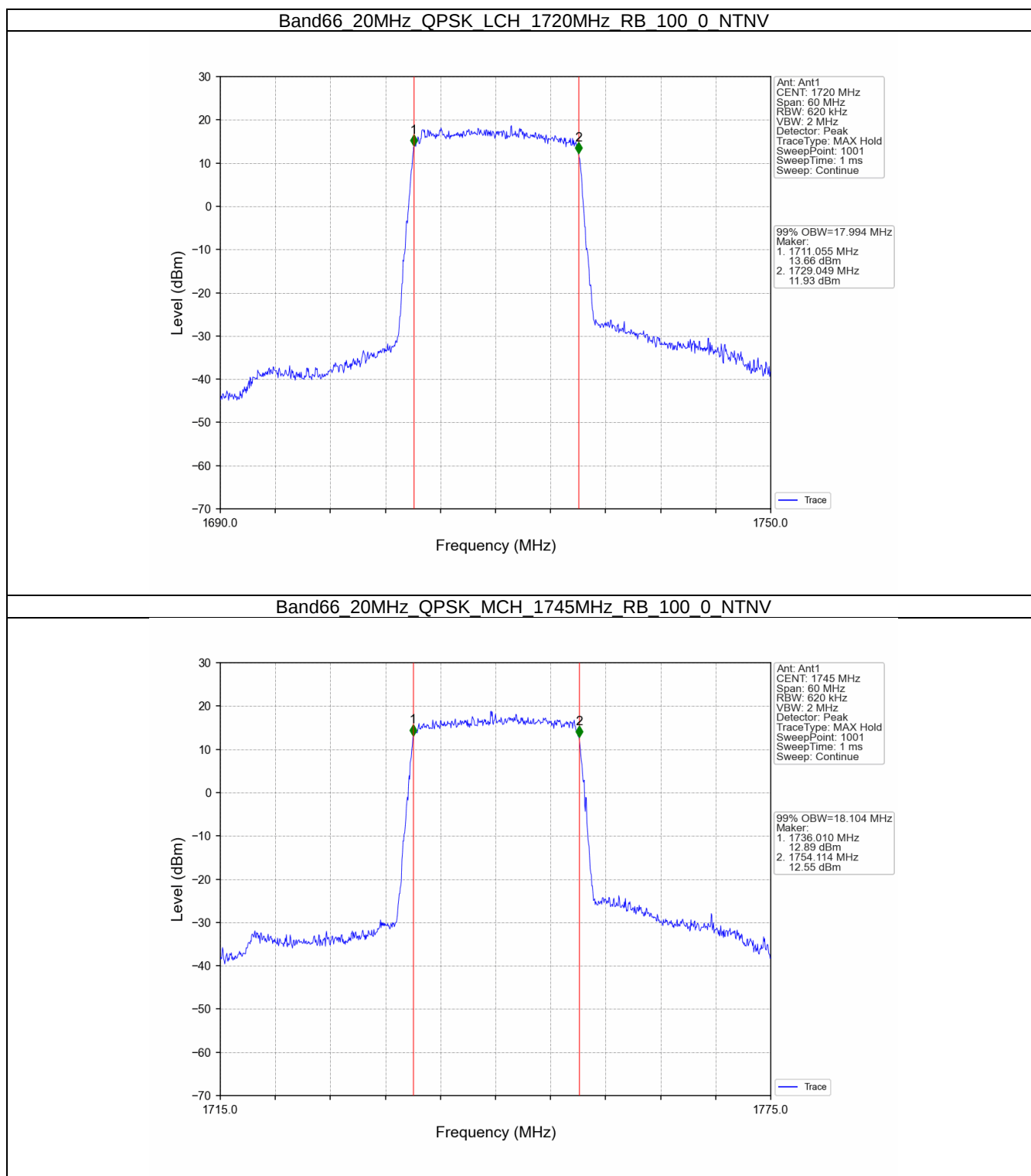


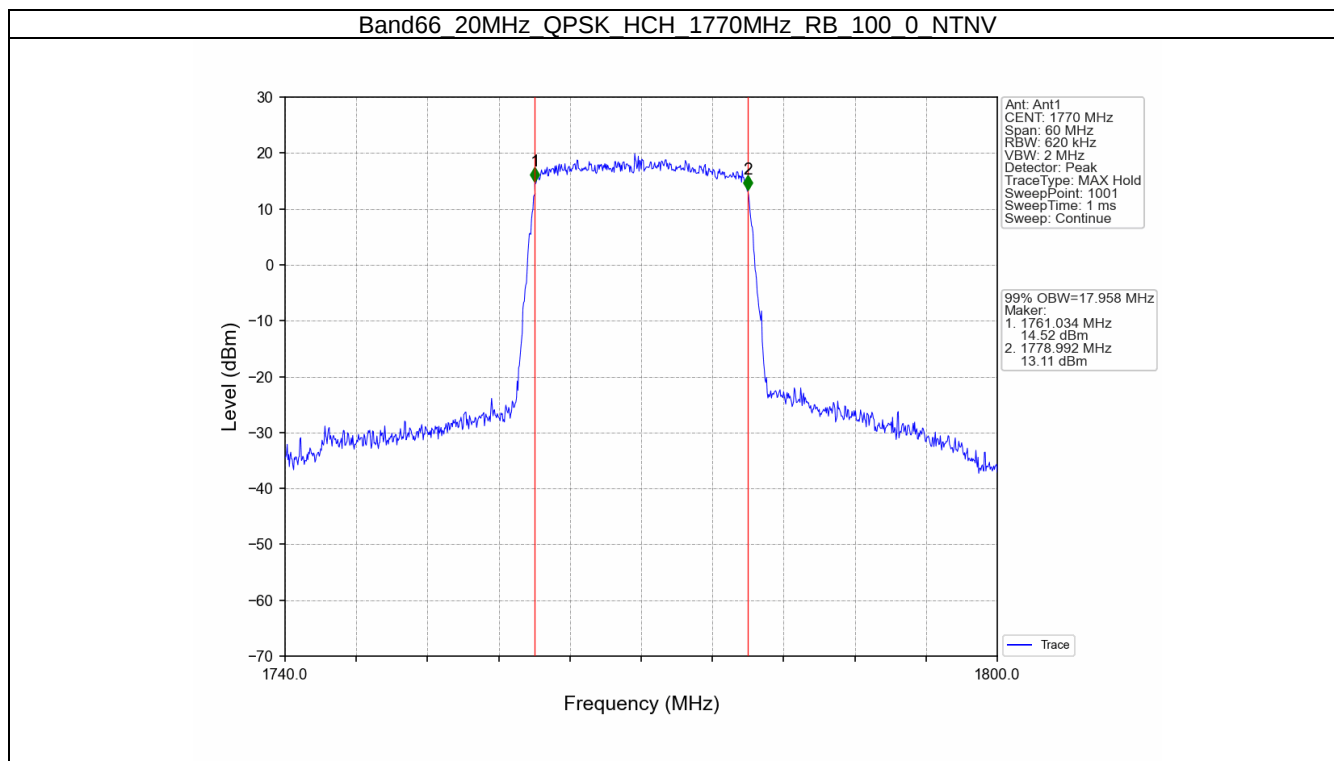
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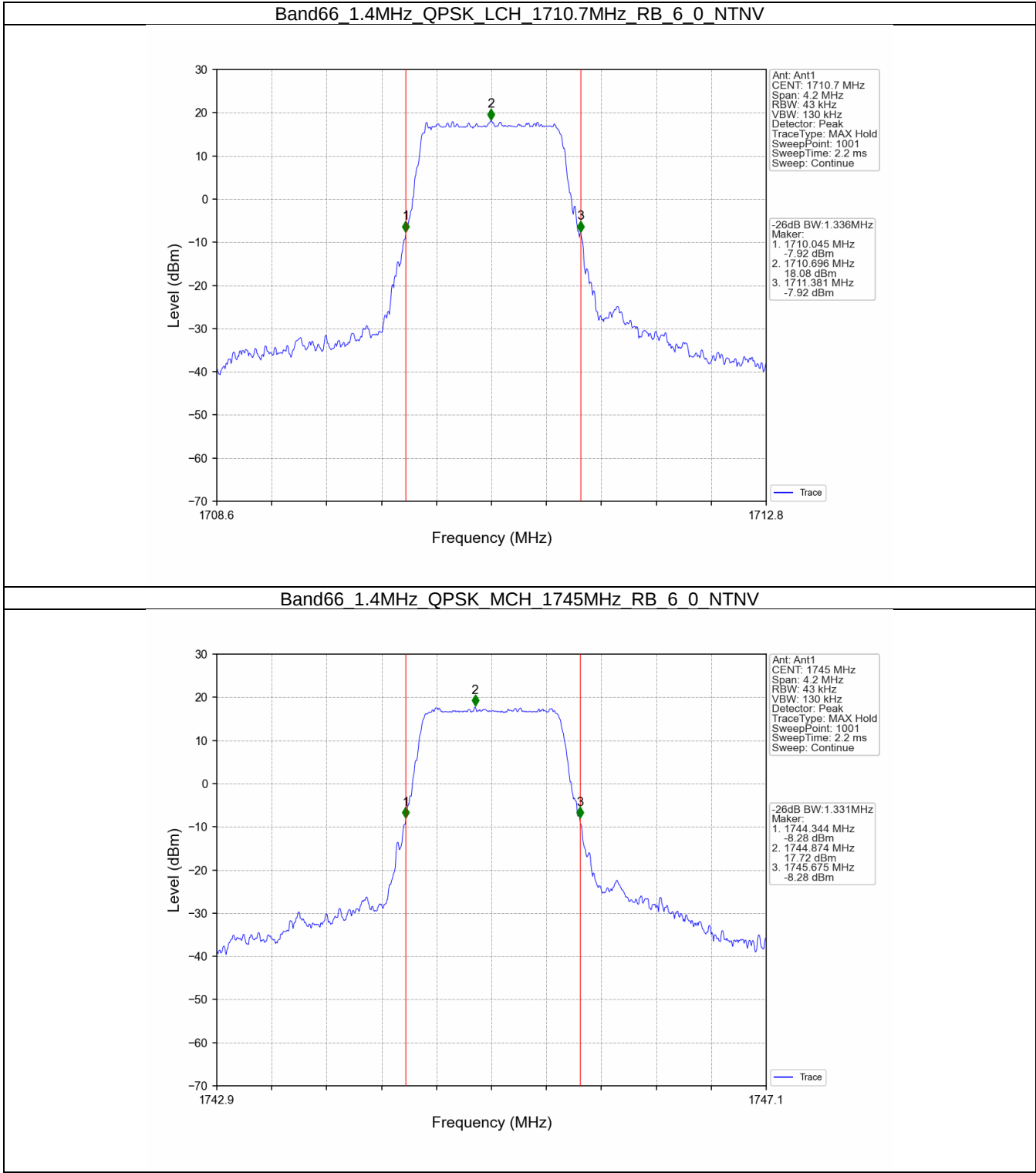
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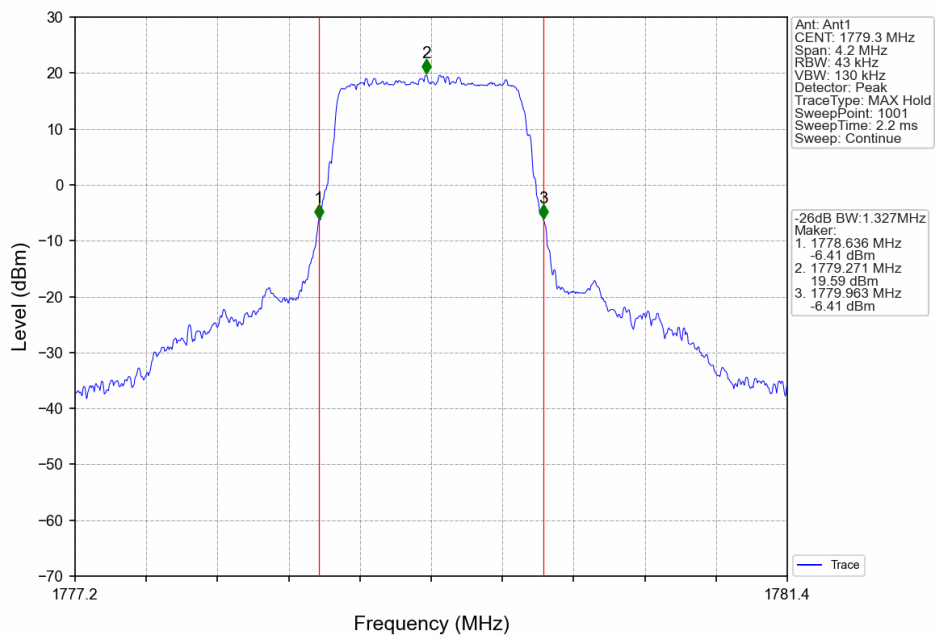




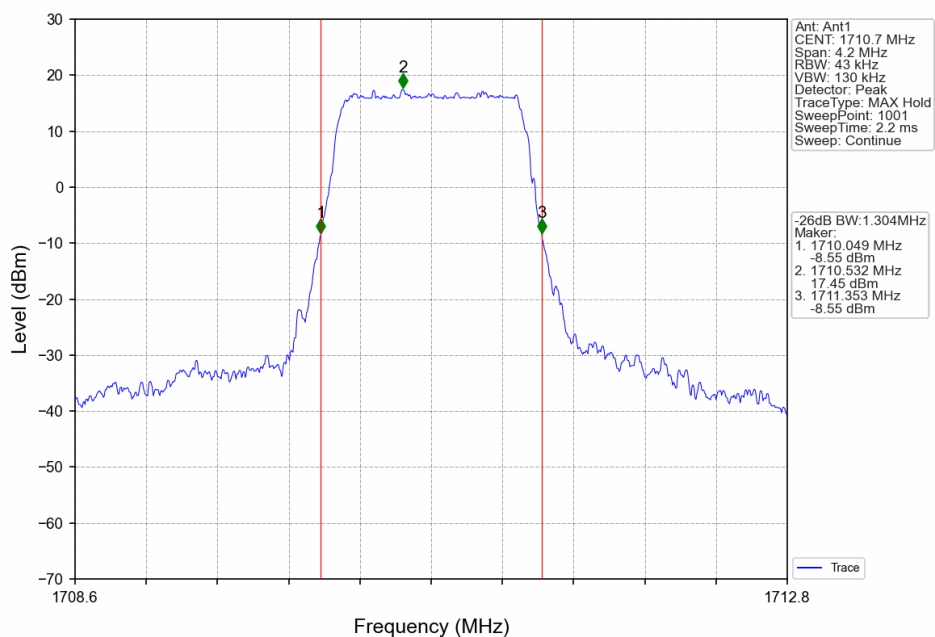
4.2.2 Band66_XDB



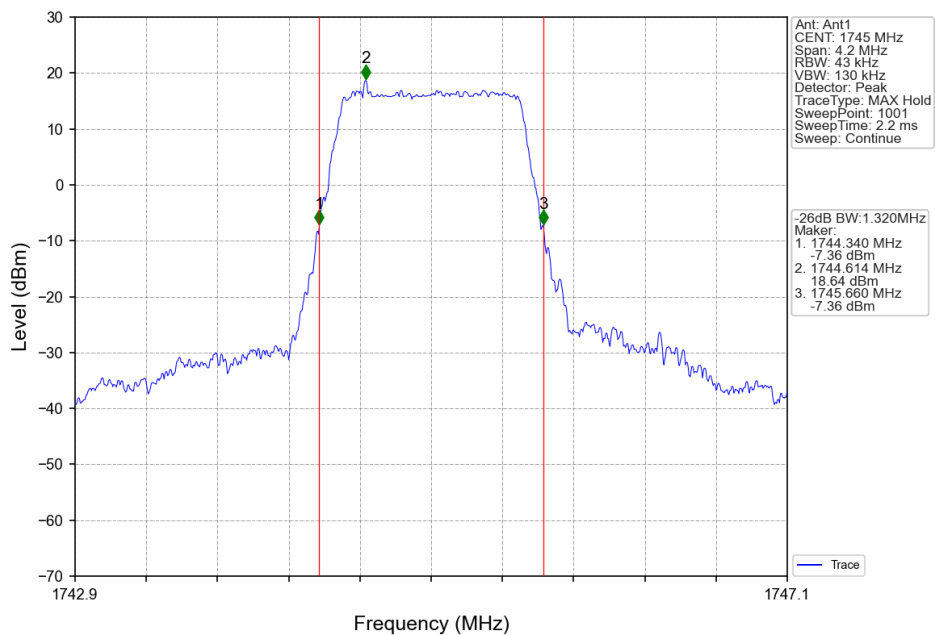
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTNV



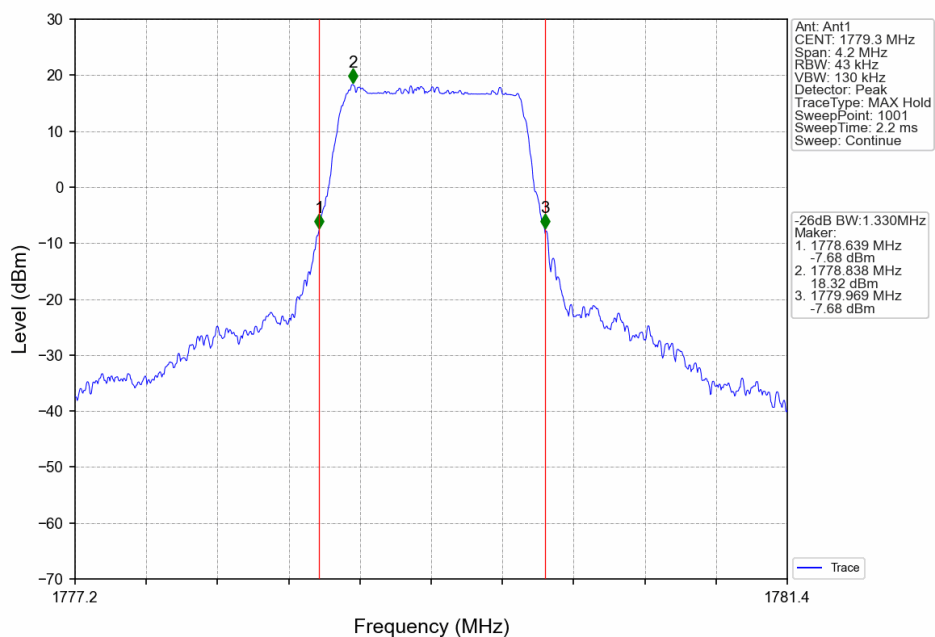
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



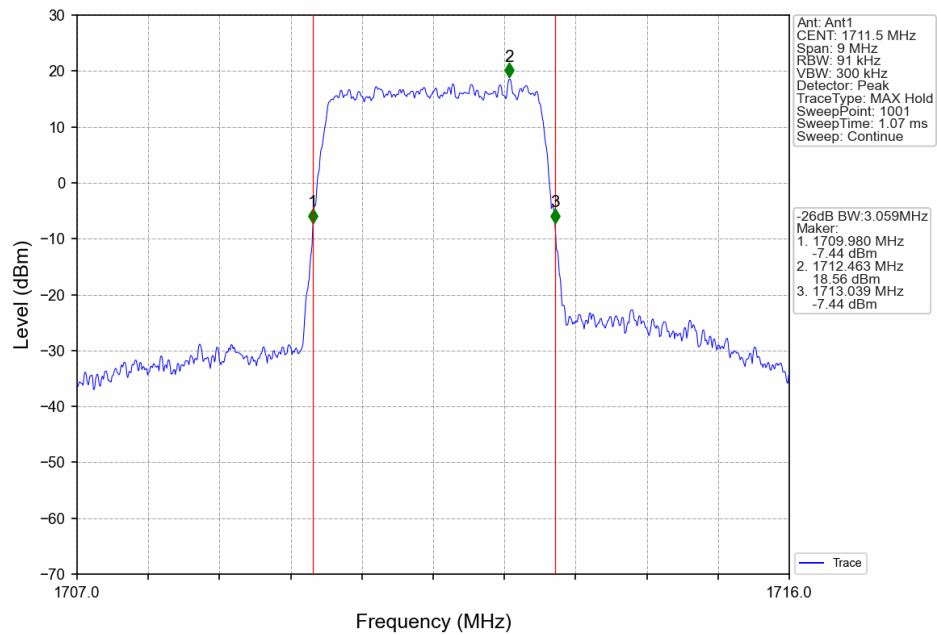
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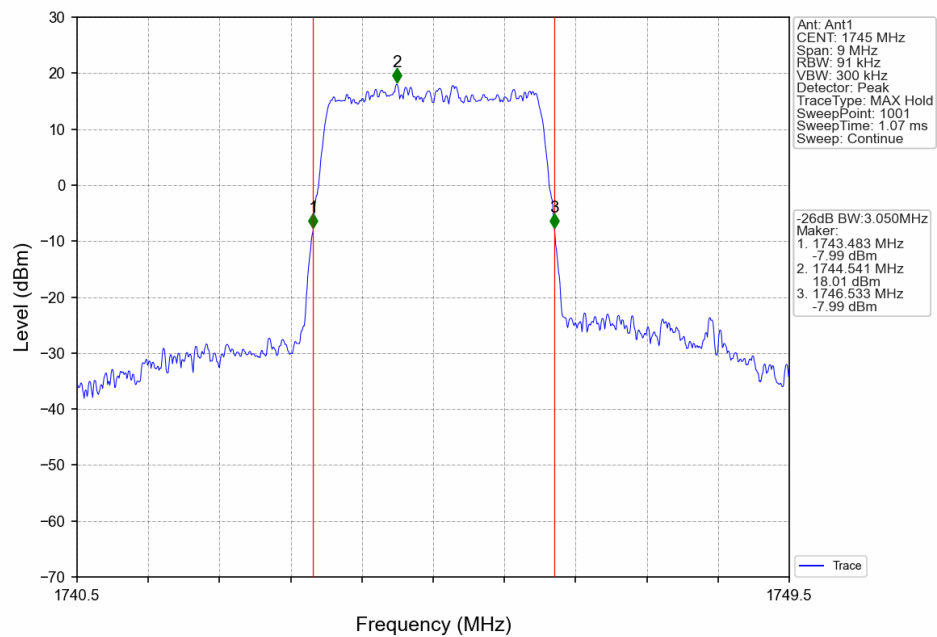
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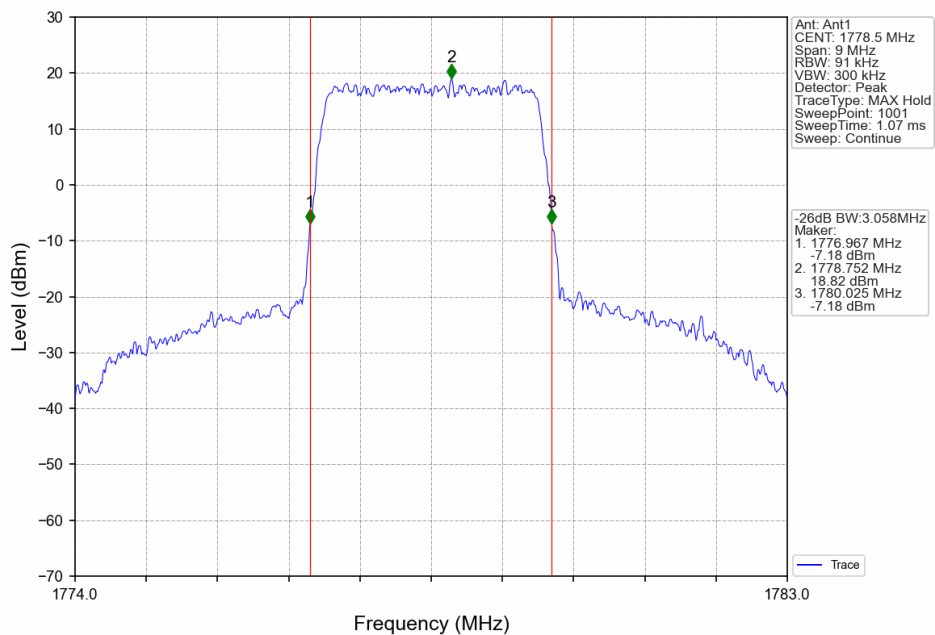
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



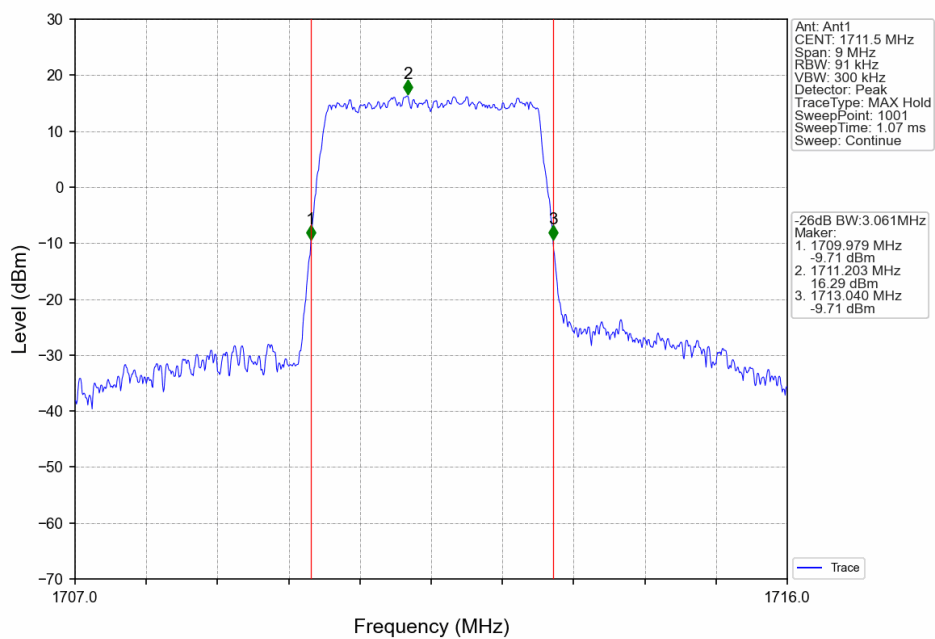
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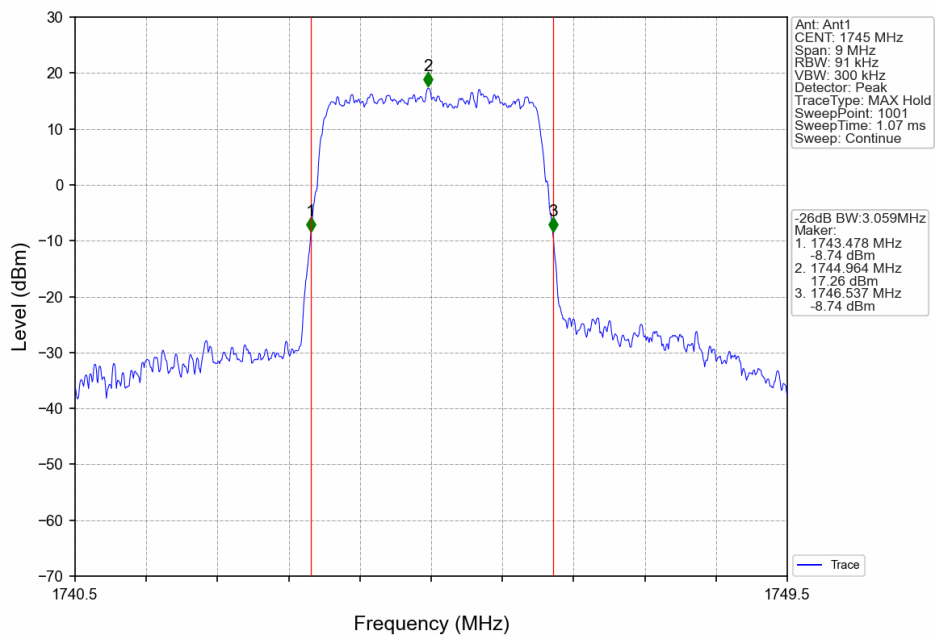
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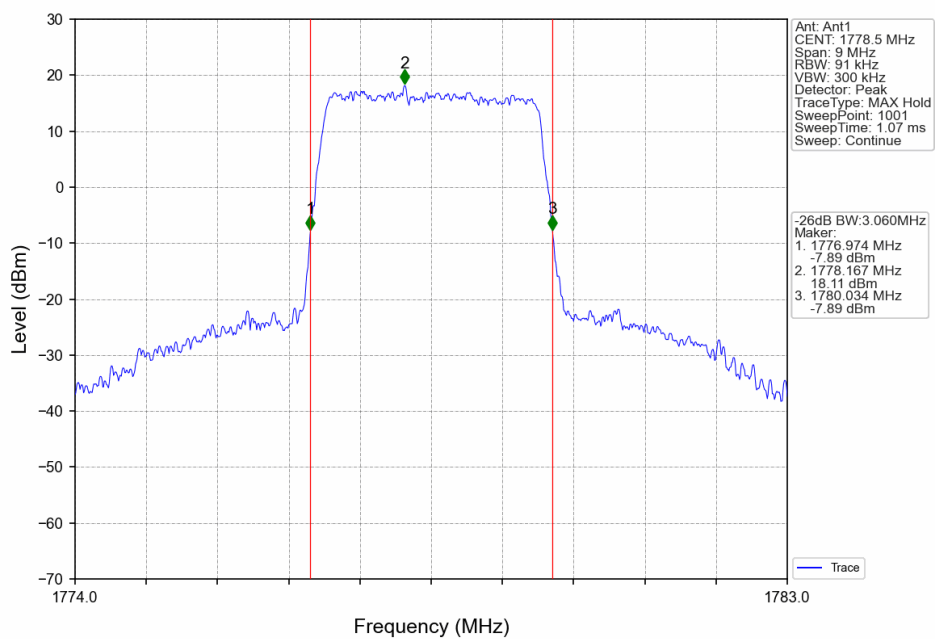
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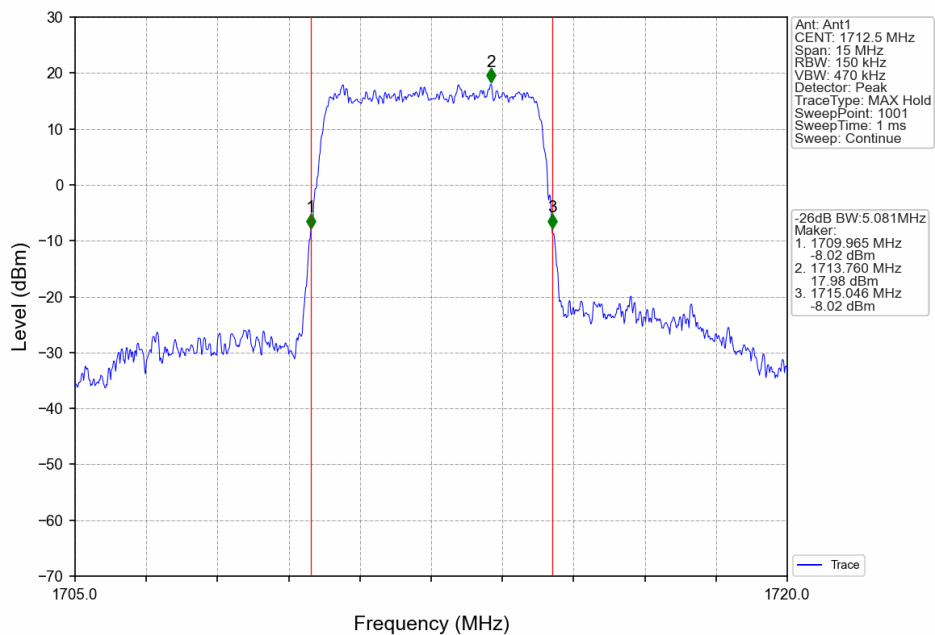
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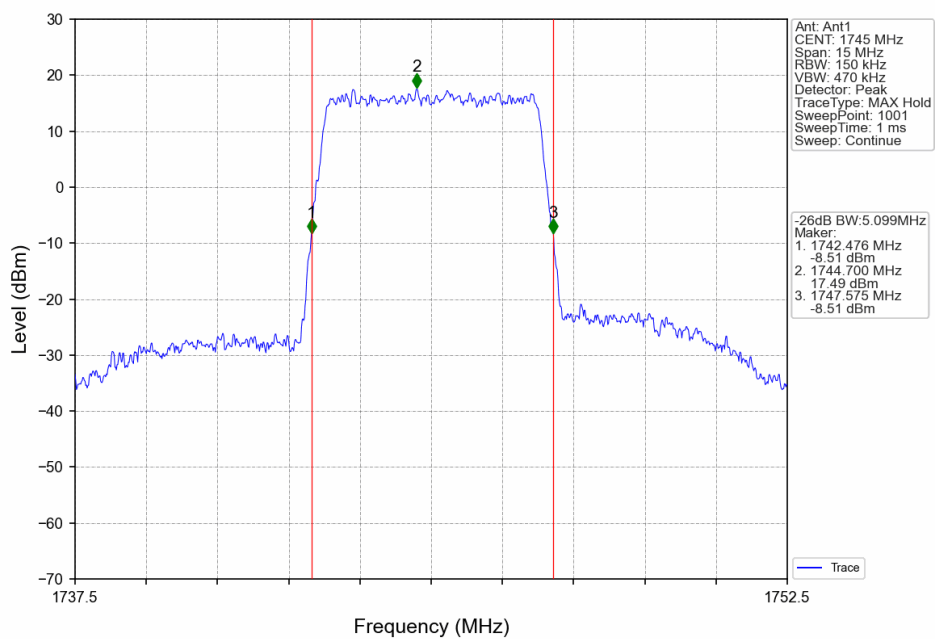
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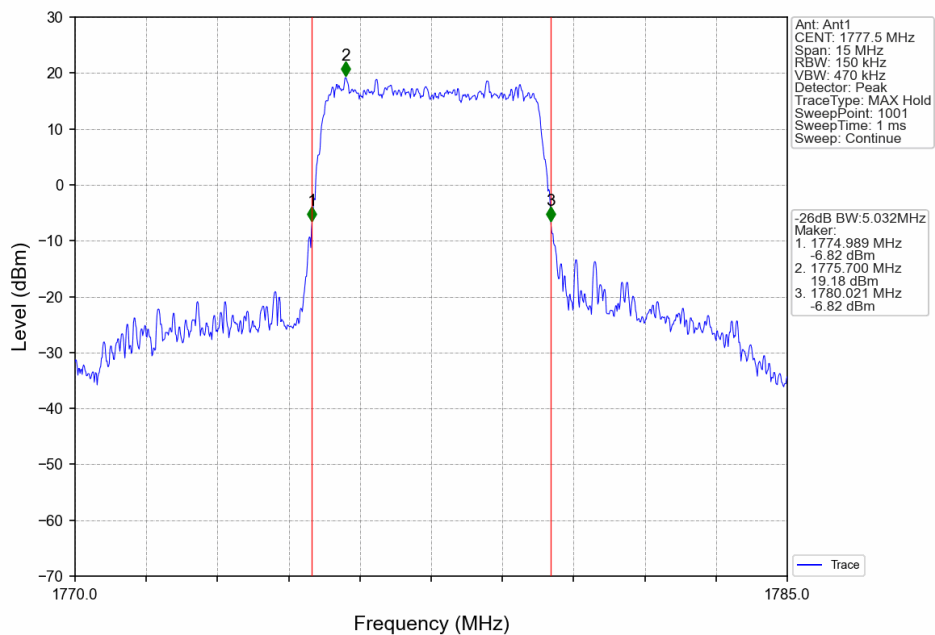
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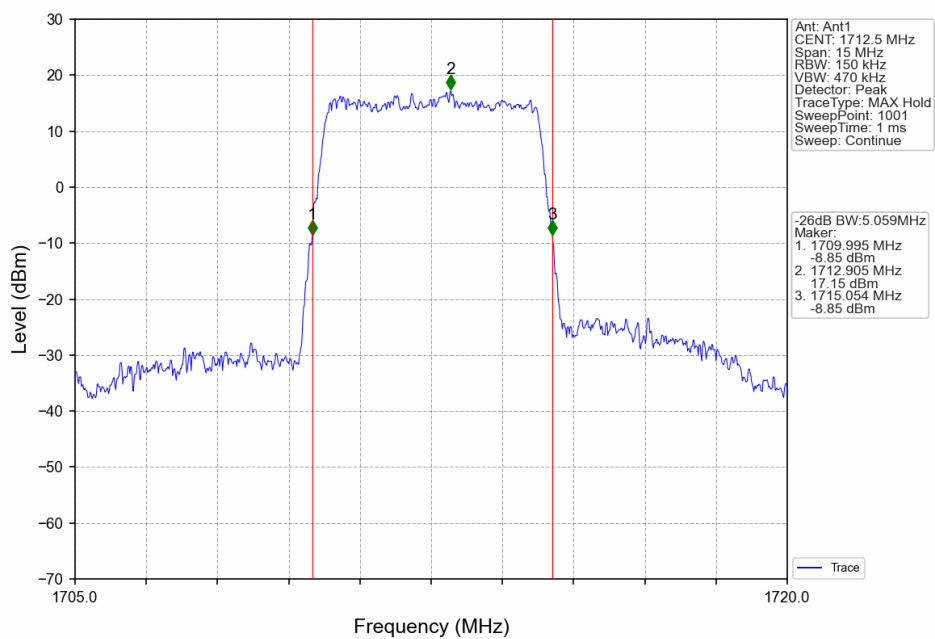
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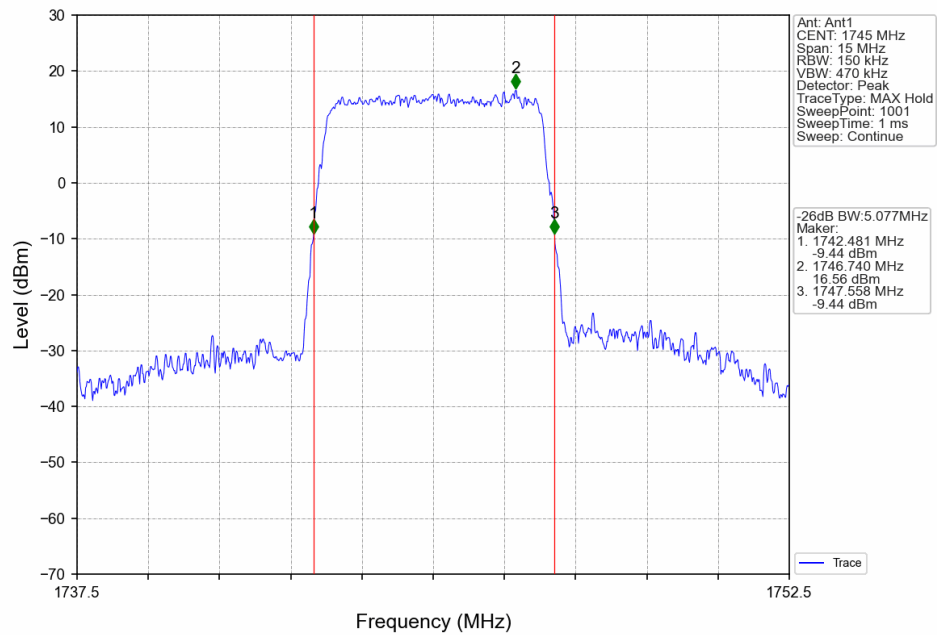
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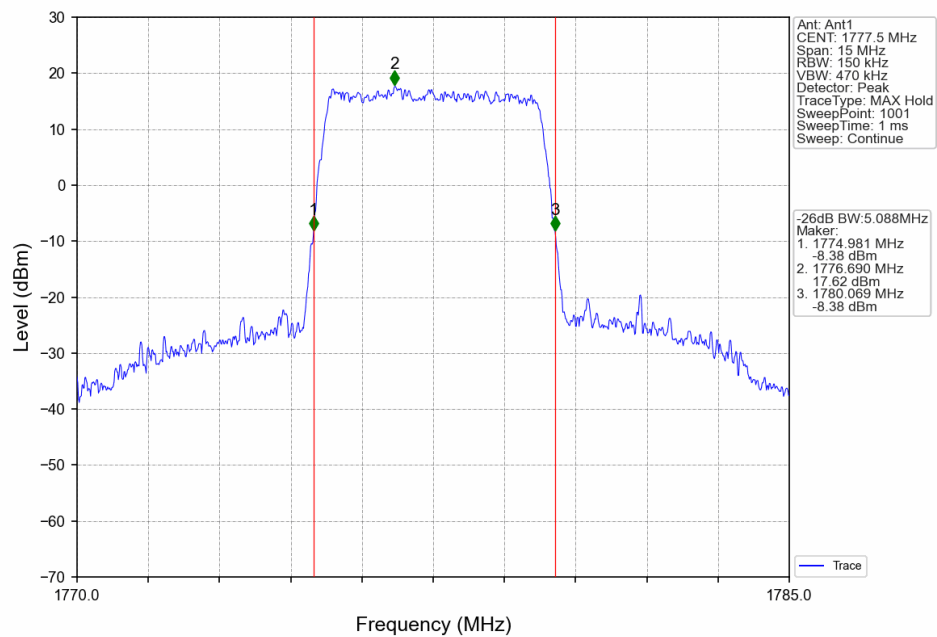
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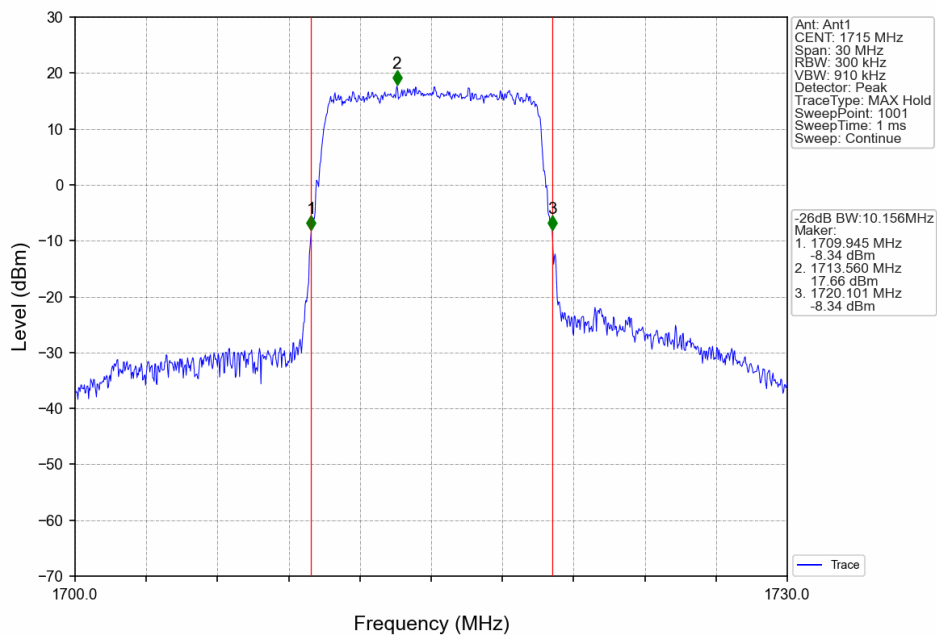
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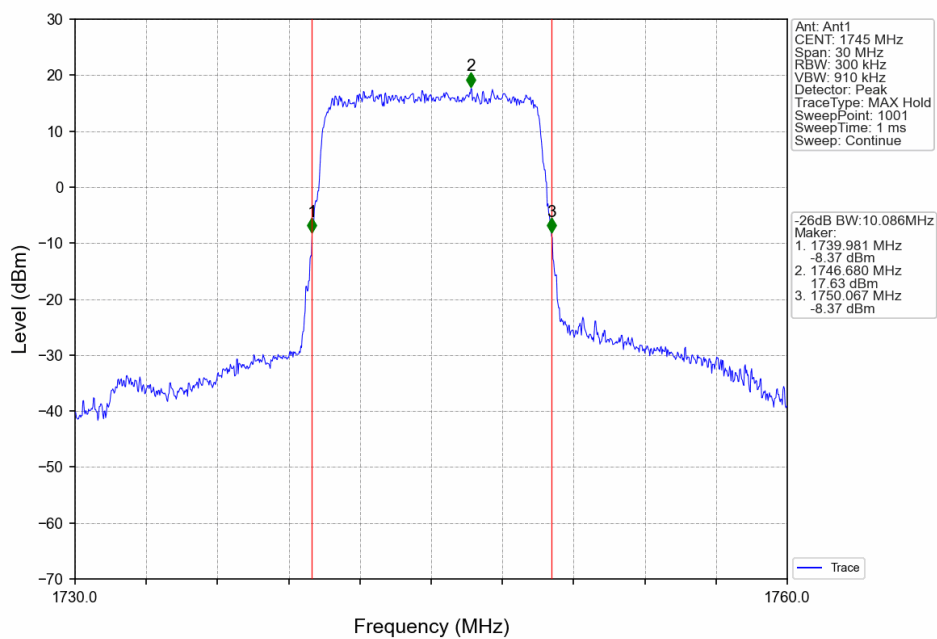
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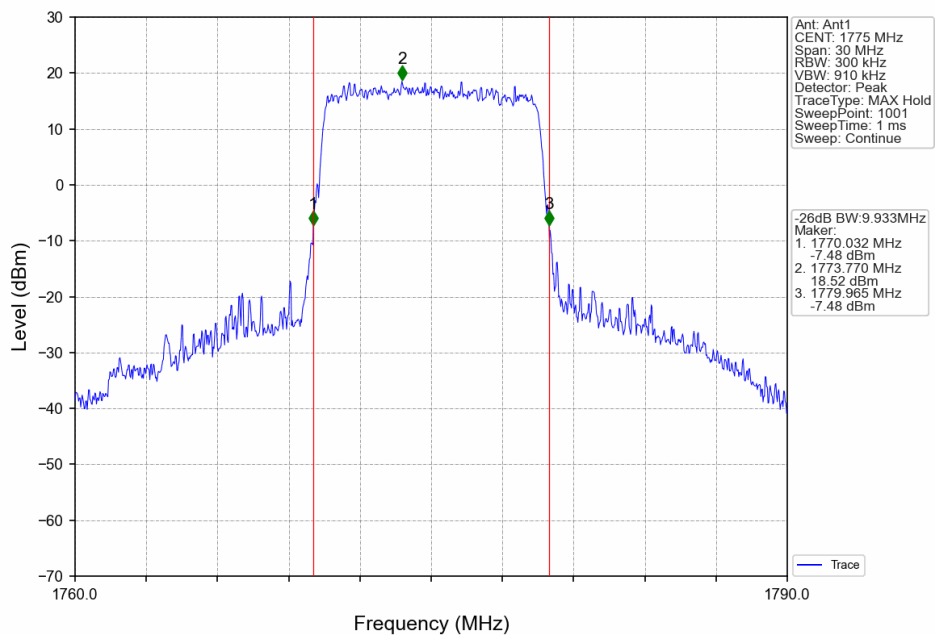
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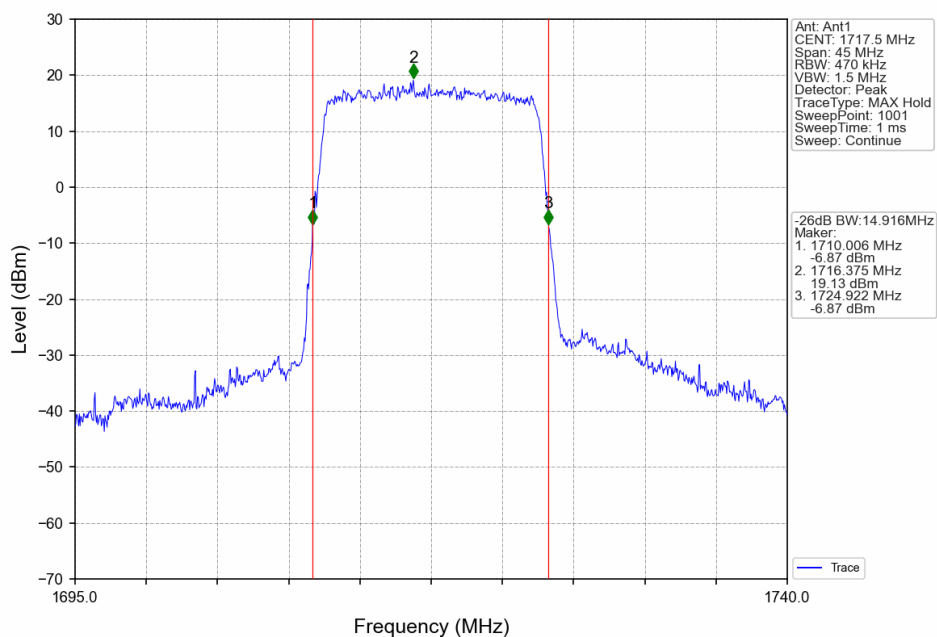
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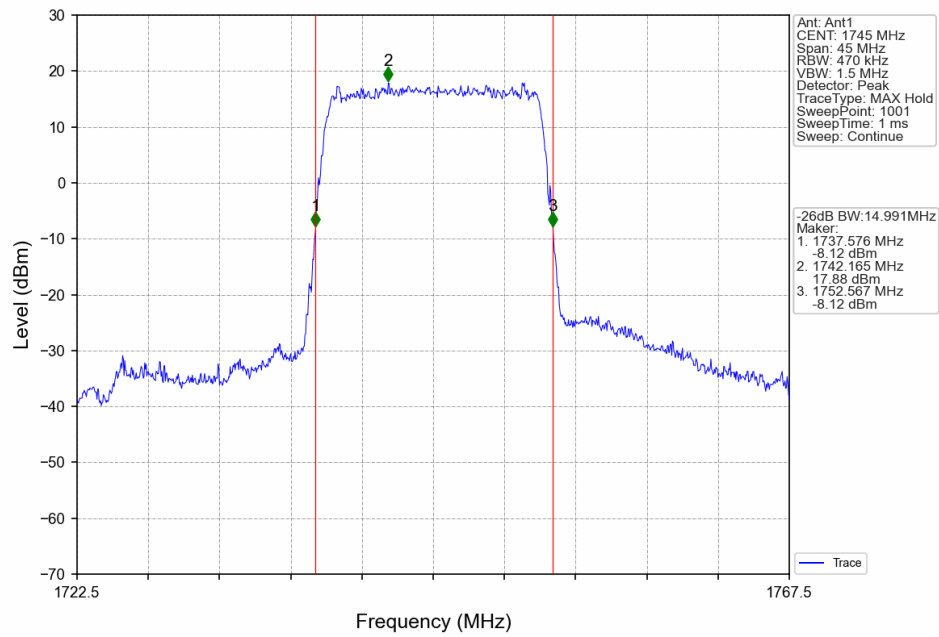
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



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

