

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.89	-2.04	21.85	<=30	Pass
			2	23.86	-2.04	21.82	<=30	Pass
			5	23.96	-2.04	21.92	<=30	Pass
		3	0	23.90	-2.04	21.86	<=30	Pass
			2	23.86	-2.04	21.82	<=30	Pass
			3	23.81	-2.04	21.77	<=30	Pass
		6	0	22.91	-2.04	20.87	<=30	Pass
	1732.5	1	0	24.16	-2.04	22.12	<=30	Pass
			2	24.12	-2.04	22.08	<=30	Pass
			5	24.11	-2.04	22.07	<=30	Pass
		3	0	23.94	-2.04	21.90	<=30	Pass
			2	24.00	-2.04	21.96	<=30	Pass
			3	23.94	-2.04	21.90	<=30	Pass
		6	0	22.96	-2.04	20.92	<=30	Pass
	1754.3	1	0	23.99	-2.04	21.95	<=30	Pass
			2	24.01	-2.04	21.97	<=30	Pass
			5	24.07	-2.04	22.03	<=30	Pass
		3	0	23.94	-2.04	21.90	<=30	Pass
			2	24.00	-2.04	21.96	<=30	Pass
			3	23.93	-2.04	21.89	<=30	Pass
		6	0	22.95	-2.04	20.91	<=30	Pass
16QAM	1710.7	1	0	23.19	-2.04	21.15	<=30	Pass
			2	23.18	-2.04	21.14	<=30	Pass
			5	23.14	-2.04	21.10	<=30	Pass
		3	0	22.53	-2.04	20.49	<=30	Pass
			2	22.55	-2.04	20.51	<=30	Pass
			3	22.57	-2.04	20.53	<=30	Pass
		6	0	21.91	-2.04	19.87	<=30	Pass
	1732.5	1	0	23.41	-2.04	21.37	<=30	Pass
			2	23.45	-2.04	21.41	<=30	Pass
			5	23.46	-2.04	21.42	<=30	Pass
		3	0	22.92	-2.04	20.88	<=30	Pass
			2	22.93	-2.04	20.89	<=30	Pass
			3	22.99	-2.04	20.95	<=30	Pass
		6	0	22.16	-2.04	20.12	<=30	Pass
	1754.3	1	0	23.54	-2.04	21.50	<=30	Pass
			2	23.51	-2.04	21.47	<=30	Pass
			5	23.55	-2.04	21.51	<=30	Pass
		3	0	22.45	-2.04	20.41	<=30	Pass
			2	22.38	-2.04	20.34	<=30	Pass
			3	22.30	-2.04	20.26	<=30	Pass
		6	0	21.91	-2.04	19.87	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

Band: 4 / 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	23.75	-2.04	21.71	<=30	Pass
			7	23.84	-2.04	21.80	<=30	Pass
			14	23.75	-2.04	21.71	<=30	Pass
		8	0	22.78	-2.04	20.74	<=30	Pass
			4	22.87	-2.04	20.83	<=30	Pass
			7	22.84	-2.04	20.80	<=30	Pass
		15	0	22.81	-2.04	20.77	<=30	Pass
	1732.5	1	0	23.99	-2.04	21.95	<=30	Pass
			7	24.00	-2.04	21.96	<=30	Pass
			14	24.12	-2.04	22.08	<=30	Pass
		8	0	22.96	-2.04	20.92	<=30	Pass
			4	23.04	-2.04	21.00	<=30	Pass
			7	23.02	-2.04	20.98	<=30	Pass
		15	0	22.98	-2.04	20.94	<=30	Pass
	1753.5	1	0	23.93	-2.04	21.89	<=30	Pass
			7	23.89	-2.04	21.85	<=30	Pass
			14	23.94	-2.04	21.90	<=30	Pass
		8	0	22.86	-2.04	20.82	<=30	Pass
			4	22.86	-2.04	20.82	<=30	Pass
			7	22.99	-2.04	20.95	<=30	Pass
		15	0	22.84	-2.04	20.80	<=30	Pass
16QAM	1711.5	1	0	23.05	-2.04	21.01	<=30	Pass
			7	23.06	-2.04	21.02	<=30	Pass
			14	22.92	-2.04	20.88	<=30	Pass
		8	0	21.82	-2.04	19.78	<=30	Pass
			4	21.78	-2.04	19.74	<=30	Pass
			7	21.77	-2.04	19.73	<=30	Pass
		15	0	21.74	-2.04	19.70	<=30	Pass
	1732.5	1	0	23.37	-2.04	21.33	<=30	Pass
			7	23.33	-2.04	21.29	<=30	Pass
			14	23.32	-2.04	21.28	<=30	Pass
		8	0	22.02	-2.04	19.98	<=30	Pass
			4	22.12	-2.04	20.08	<=30	Pass
			7	22.14	-2.04	20.10	<=30	Pass
		15	0	22.07	-2.04	20.03	<=30	Pass
	1753.5	1	0	23.37	-2.04	21.33	<=30	Pass
			7	23.40	-2.04	21.36	<=30	Pass
			14	23.45	-2.04	21.41	<=30	Pass
		8	0	21.98	-2.04	19.94	<=30	Pass
			4	21.95	-2.04	19.91	<=30	Pass
			7	21.98	-2.04	19.94	<=30	Pass
		15	0	21.99	-2.04	19.95	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B4_5MHz_EIRP

Band: 4 / 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	23.80	-2.04	21.76	<=30	Pass
			13	23.76	-2.04	21.72	<=30	Pass
			24	23.74	-2.04	21.70	<=30	Pass
		12	0	22.83	-2.04	20.79	<=30	Pass
			6	22.79	-2.04	20.75	<=30	Pass
			13	22.82	-2.04	20.78	<=30	Pass
		25	0	22.79	-2.04	20.75	<=30	Pass
			0	24.01	-2.04	21.97	<=30	Pass
			13	23.84	-2.04	21.80	<=30	Pass
	1732.5	1	24	23.86	-2.04	21.82	<=30	Pass
			0	22.98	-2.04	20.94	<=30	Pass
			6	22.96	-2.04	20.92	<=30	Pass
		12	13	22.92	-2.04	20.88	<=30	Pass
			0	23.04	-2.04	21.00	<=30	Pass
			0	23.93	-2.04	21.89	<=30	Pass
		1	13	23.88	-2.04	21.84	<=30	Pass
			24	23.94	-2.04	21.90	<=30	Pass
			0	23.01	-2.04	20.97	<=30	Pass
	1752.5	12	6	22.95	-2.04	20.91	<=30	Pass
			13	22.91	-2.04	20.87	<=30	Pass
		25	0	22.96	-2.04	20.92	<=30	Pass
16QAM	1712.5	1	0	22.90	-2.04	20.86	<=30	Pass
			13	22.83	-2.04	20.79	<=30	Pass
			24	22.87	-2.04	20.83	<=30	Pass
		12	0	21.78	-2.04	19.74	<=30	Pass
			6	21.79	-2.04	19.75	<=30	Pass
			13	21.76	-2.04	19.72	<=30	Pass
		25	0	21.80	-2.04	19.76	<=30	Pass
			0	23.44	-2.04	21.40	<=30	Pass
			13	23.41	-2.04	21.37	<=30	Pass
	1732.5	1	24	23.51	-2.04	21.47	<=30	Pass
			0	22.10	-2.04	20.06	<=30	Pass
			6	22.01	-2.04	19.97	<=30	Pass
		12	13	22.01	-2.04	19.97	<=30	Pass
			0	21.98	-2.04	19.94	<=30	Pass
			0	23.27	-2.04	21.23	<=30	Pass
		1	13	23.24	-2.04	21.20	<=30	Pass
			24	23.26	-2.04	21.22	<=30	Pass
			0	21.77	-2.04	19.73	<=30	Pass
	1752.5	12	6	21.74	-2.04	19.70	<=30	Pass
			13	21.87	-2.04	19.83	<=30	Pass
		25	0	21.81	-2.04	19.77	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.84	-2.04	21.80	<=30	Pass
			25	23.86	-2.04	21.82	<=30	Pass
			49	23.91	-2.04	21.87	<=30	Pass
		25	0	22.80	-2.04	20.76	<=30	Pass
			13	22.87	-2.04	20.83	<=30	Pass
			25	22.82	-2.04	20.78	<=30	Pass
		50	0	22.90	-2.04	20.86	<=30	Pass
	1732.5	1	0	23.88	-2.04	21.84	<=30	Pass
			25	24.01	-2.04	21.97	<=30	Pass
			49	23.98	-2.04	21.94	<=30	Pass
		25	0	23.04	-2.04	21.00	<=30	Pass
			13	23.00	-2.04	20.96	<=30	Pass
			25	22.98	-2.04	20.94	<=30	Pass
		50	0	22.97	-2.04	20.93	<=30	Pass
	1750	1	0	24.07	-2.04	22.03	<=30	Pass
			25	24.02	-2.04	21.98	<=30	Pass
			49	24.03	-2.04	21.99	<=30	Pass
		25	0	22.86	-2.04	20.82	<=30	Pass
			13	22.86	-2.04	20.82	<=30	Pass
			25	22.95	-2.04	20.91	<=30	Pass
		50	0	22.95	-2.04	20.91	<=30	Pass
16QAM	1715	1	0	23.14	-2.04	21.10	<=30	Pass
			25	23.18	-2.04	21.14	<=30	Pass
			49	23.23	-2.04	21.19	<=30	Pass
		25	0	21.80	-2.04	19.76	<=30	Pass
			13	21.76	-2.04	19.72	<=30	Pass
			25	21.91	-2.04	19.87	<=30	Pass
		50	0	21.79	-2.04	19.75	<=30	Pass
	1732.5	1	0	23.54	-2.04	21.50	<=30	Pass
			25	23.63	-2.04	21.59	<=30	Pass
			49	23.69	-2.04	21.65	<=30	Pass
		25	0	21.98	-2.04	19.94	<=30	Pass
			13	22.08	-2.04	20.04	<=30	Pass
			25	22.11	-2.04	20.07	<=30	Pass
		50	0	22.03	-2.04	19.99	<=30	Pass
	1750	1	0	24.09	-2.04	22.05	<=30	Pass
			25	24.06	-2.04	22.02	<=30	Pass
			49	24.10	-2.04	22.06	<=30	Pass
		25	0	21.93	-2.04	19.89	<=30	Pass
			13	21.93	-2.04	19.89	<=30	Pass
			25	21.93	-2.04	19.89	<=30	Pass
		50	0	21.97	-2.04	19.93	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / 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	23.76	-2.04	21.72	<=30	Pass
			38	23.86	-2.04	21.82	<=30	Pass
			74	23.77	-2.04	21.73	<=30	Pass
		36	0	22.87	-2.04	20.83	<=30	Pass
			18	22.90	-2.04	20.86	<=30	Pass
			39	22.87	-2.04	20.83	<=30	Pass
		75	0	22.80	-2.04	20.76	<=30	Pass
	1732.5	1	0	23.74	-2.04	21.70	<=30	Pass
			38	23.90	-2.04	21.86	<=30	Pass
			74	23.93	-2.04	21.89	<=30	Pass
		36	0	22.94	-2.04	20.90	<=30	Pass
			18	22.93	-2.04	20.89	<=30	Pass
			39	22.93	-2.04	20.89	<=30	Pass
		75	0	23.02	-2.04	20.98	<=30	Pass
	1747.5	1	0	24.08	-2.04	22.04	<=30	Pass
			38	24.00	-2.04	21.96	<=30	Pass
			74	24.03	-2.04	21.99	<=30	Pass
		36	0	22.97	-2.04	20.93	<=30	Pass
			18	22.86	-2.04	20.82	<=30	Pass
			39	22.89	-2.04	20.85	<=30	Pass
		75	0	22.89	-2.04	20.85	<=30	Pass
16QAM	1717.5	1	0	22.98	-2.04	20.94	<=30	Pass
			38	23.05	-2.04	21.01	<=30	Pass
			74	22.97	-2.04	20.93	<=30	Pass
		36	0	21.87	-2.04	19.83	<=30	Pass
			18	21.87	-2.04	19.83	<=30	Pass
			39	21.92	-2.04	19.88	<=30	Pass
		75	0	21.98	-2.04	19.94	<=30	Pass
	1732.5	1	0	23.17	-2.04	21.13	<=30	Pass
			38	23.27	-2.04	21.23	<=30	Pass
			74	23.28	-2.04	21.24	<=30	Pass
		36	0	21.85	-2.04	19.81	<=30	Pass
			18	22.01	-2.04	19.97	<=30	Pass
			39	22.04	-2.04	20.00	<=30	Pass
		75	0	21.95	-2.04	19.91	<=30	Pass
	1747.5	1	0	24.15	-2.04	22.11	<=30	Pass
			38	24.07	-2.04	22.03	<=30	Pass
			74	24.06	-2.04	22.02	<=30	Pass
		36	0	21.90	-2.04	19.86	<=30	Pass
			18	21.86	-2.04	19.82	<=30	Pass
			39	21.86	-2.04	19.82	<=30	Pass
		75	0	21.88	-2.04	19.84	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.90	-2.04	21.86	<=30	Pass
			50	23.92	-2.04	21.88	<=30	Pass
			99	23.97	-2.04	21.93	<=30	Pass
		50	0	22.86	-2.04	20.82	<=30	Pass
			25	22.84	-2.04	20.80	<=30	Pass
			50	22.91	-2.04	20.87	<=30	Pass
		100	0	22.78	-2.04	20.74	<=30	Pass
	1732.5	1	0	23.97	-2.04	21.93	<=30	Pass
			50	24.08	-2.04	22.04	<=30	Pass
			99	24.05	-2.04	22.01	<=30	Pass
		50	0	23.00	-2.04	20.96	<=30	Pass
			25	23.04	-2.04	21.00	<=30	Pass
			50	22.93	-2.04	20.89	<=30	Pass
		100	0	23.01	-2.04	20.97	<=30	Pass
	1745	1	0	24.24	-2.04	22.20	<=30	Pass
			50	24.25	-2.04	22.21	<=30	Pass
			99	24.24	-2.04	22.20	<=30	Pass
		50	0	22.97	-2.04	20.93	<=30	Pass
			25	23.05	-2.04	21.01	<=30	Pass
			50	23.01	-2.04	20.97	<=30	Pass
		100	0	22.87	-2.04	20.83	<=30	Pass
16QAM	1720	1	0	23.36	-2.04	21.32	<=30	Pass
			50	23.48	-2.04	21.44	<=30	Pass
			99	23.46	-2.04	21.42	<=30	Pass
		50	0	21.94	-2.04	19.90	<=30	Pass
			25	21.90	-2.04	19.86	<=30	Pass
			50	21.87	-2.04	19.83	<=30	Pass
		100	0	21.87	-2.04	19.83	<=30	Pass
	1732.5	1	0	23.66	-2.04	21.62	<=30	Pass
			50	23.85	-2.04	21.81	<=30	Pass
			99	23.87	-2.04	21.83	<=30	Pass
		50	0	21.87	-2.04	19.83	<=30	Pass
			25	21.95	-2.04	19.91	<=30	Pass
			50	22.00	-2.04	19.96	<=30	Pass
		100	0	22.01	-2.04	19.97	<=30	Pass
	1745	1	0	23.08	-2.04	21.04	<=30	Pass
			50	23.14	-2.04	21.10	<=30	Pass
			99	23.20	-2.04	21.16	<=30	Pass
		50	0	21.97	-2.04	19.93	<=30	Pass
			25	21.99	-2.04	19.95	<=30	Pass
			50	21.94	-2.04	19.90	<=30	Pass
		100	0	21.87	-2.04	19.83	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-20.771	-0.0121	-2.5 to 2.5	Pass
					3.85	-19.784	-0.0116	-2.5 to 2.5	Pass
					4.43	-15.192	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-13.232	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-30.384	-0.0178	-2.5 to 2.5	Pass
				0	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-30.899	-0.0181	-2.5 to 2.5	Pass
				30	3.85	-12.374	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-13.461	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-7.296	-0.0043	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	23.432	0.0135	-2.5 to 2.5	Pass
					3.85	-11.845	-0.0068	-2.5 to 2.5	Pass
					4.43	-24.490	-0.0141	-2.5 to 2.5	Pass
				-30	3.85	-23.360	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-18.325	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	6.123	0.0035	-2.5 to 2.5	Pass
				0	3.85	-31.943	-0.0184	-2.5 to 2.5	Pass
				10	3.85	-21.887	-0.0126	-2.5 to 2.5	Pass
				30	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-19.627	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	5.164	0.0029	-2.5 to 2.5	Pass
					3.85	-41.399	-0.0236	-2.5 to 2.5	Pass
					4.43	-12.445	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-25.535	-0.0146	-2.5 to 2.5	Pass
				-20	3.85	-28.424	-0.0162	-2.5 to 2.5	Pass
				-10	3.85	-12.703	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-26.293	-0.0150	-2.5 to 2.5	Pass
				10	3.85	-25.163	-0.0143	-2.5 to 2.5	Pass
				30	3.85	3.920	0.0022	-2.5 to 2.5	Pass
				40	3.85	-20.571	-0.0117	-2.5 to 2.5	Pass
				50	3.85	-9.341	-0.0053	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-43.330	-0.0253	-2.5 to 2.5	Pass
					3.85	-24.905	-0.0146	-2.5 to 2.5	Pass
					4.43	-6.008	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				-20	3.85	12.259	0.0072	-2.5 to 2.5	Pass
				-10	3.85	13.776	0.0081	-2.5 to 2.5	Pass
				0	3.85	13.933	0.0081	-2.5 to 2.5	Pass
				10	3.85	10.114	0.0059	-2.5 to 2.5	Pass
				30	3.85	9.370	0.0055	-2.5 to 2.5	Pass
				40	3.85	7.825	0.0046	-2.5 to 2.5	Pass
				50	3.85	3.147	0.0018	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	14.505	0.0084	-2.5 to 2.5	Pass
					3.85	18.454	0.0107	-2.5 to 2.5	Pass
					4.43	20.399	0.0118	-2.5 to 2.5	Pass
				-30	3.85	37.136	0.0214	-2.5 to 2.5	Pass
				-20	3.85	13.733	0.0079	-2.5 to 2.5	Pass
				-10	3.85	29.941	0.0173	-2.5 to 2.5	Pass

				0	3.85	39.425	0.0228	-2.5 to 2.5	Pass
				10	3.85	-18.754	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-13.475	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-12.574	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-11.101	-0.0064	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-31.328	-0.0179	-2.5 to 2.5	Pass
					3.85	1.230	0.0007	-2.5 to 2.5	Pass
					4.43	36.178	0.0206	-2.5 to 2.5	Pass
				-30	3.85	6.495	0.0037	-2.5 to 2.5	Pass
				-20	3.85	4.878	0.0028	-2.5 to 2.5	Pass
				-10	3.85	7.696	0.0044	-2.5 to 2.5	Pass
				0	3.85	3.748	0.0021	-2.5 to 2.5	Pass
				10	3.85	0.787	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-7.224	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-6.466	-0.0037	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	33.932	0.0198	-2.5 to 2.5	Pass
					3.85	-18.411	-0.0108	-2.5 to 2.5	Pass
					4.43	-31.986	-0.0187	-2.5 to 2.5	Pass
				-30	3.85	-14.505	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-43.788	-0.0256	-2.5 to 2.5	Pass
				-10	3.85	5.865	0.0034	-2.5 to 2.5	Pass
				0	3.85	-26.879	-0.0157	-2.5 to 2.5	Pass
				10	3.85	-24.247	-0.0142	-2.5 to 2.5	Pass
				30	3.85	-12.889	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-30.499	-0.0178	-2.5 to 2.5	Pass
				50	3.85	-20.514	-0.0120	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-0.129	-0.0001	-2.5 to 2.5	Pass
					3.85	-20.041	-0.0116	-2.5 to 2.5	Pass
					4.43	-19.126	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-26.021	-0.0150	-2.5 to 2.5	Pass
				-20	3.85	-23.818	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-27.967	-0.0161	-2.5 to 2.5	Pass
				0	3.85	-8.898	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-25.148	-0.0145	-2.5 to 2.5	Pass
				30	3.85	-37.994	-0.0219	-2.5 to 2.5	Pass
				40	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				50	3.85	-9.899	-0.0057	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	28.210	0.0161	-2.5 to 2.5	Pass
					3.85	-15.693	-0.0089	-2.5 to 2.5	Pass
					4.43	-36.078	-0.0206	-2.5 to 2.5	Pass
				-30	3.85	-36.106	-0.0206	-2.5 to 2.5	Pass
				-20	3.85	-25.477	-0.0145	-2.5 to 2.5	Pass
				-10	3.85	-21.071	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-17.095	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-9.685	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-13.790	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-16.479	-0.0094	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-35.234	-0.0206	-2.5 to 2.5	Pass
					3.85	2.275	0.0013	-2.5 to 2.5	Pass
					4.43	19.684	0.0115	-2.5 to 2.5	Pass

				-30	3.85	42.043	0.0246	-2.5 to 2.5	Pass
				-20	3.85	19.856	0.0116	-2.5 to 2.5	Pass
				-10	3.85	32.744	0.0191	-2.5 to 2.5	Pass
				0	3.85	36.836	0.0215	-2.5 to 2.5	Pass
				10	3.85	27.194	0.0159	-2.5 to 2.5	Pass
				30	3.85	16.251	0.0095	-2.5 to 2.5	Pass
				40	3.85	22.087	0.0129	-2.5 to 2.5	Pass
				50	3.85	26.894	0.0157	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-12.646	-0.0073	-2.5 to 2.5	Pass
					3.85	30.098	0.0174	-2.5 to 2.5	Pass
					4.43	17.924	0.0103	-2.5 to 2.5	Pass
				-30	3.85	6.866	0.0040	-2.5 to 2.5	Pass
				-20	3.85	30.041	0.0173	-2.5 to 2.5	Pass
				-10	3.85	18.196	0.0105	-2.5 to 2.5	Pass
				0	3.85	30.198	0.0174	-2.5 to 2.5	Pass
				10	3.85	38.037	0.0220	-2.5 to 2.5	Pass
				30	3.85	12.188	0.0070	-2.5 to 2.5	Pass
				40	3.85	15.392	0.0089	-2.5 to 2.5	Pass
				50	3.85	24.877	0.0144	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	1.602	0.0009	-2.5 to 2.5	Pass
					3.85	19.898	0.0113	-2.5 to 2.5	Pass
					4.43	28.982	0.0165	-2.5 to 2.5	Pass
				-30	3.85	39.225	0.0224	-2.5 to 2.5	Pass
				-20	3.85	13.533	0.0077	-2.5 to 2.5	Pass
				-10	3.85	13.633	0.0078	-2.5 to 2.5	Pass
				0	3.85	17.753	0.0101	-2.5 to 2.5	Pass
				10	3.85	23.746	0.0135	-2.5 to 2.5	Pass
				30	3.85	26.379	0.0150	-2.5 to 2.5	Pass
				40	3.85	27.022	0.0154	-2.5 to 2.5	Pass
				50	3.85	20.328	0.0116	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	27.151	0.0159	-2.5 to 2.5	Pass
					3.85	-31.371	-0.0183	-2.5 to 2.5	Pass
					4.43	-8.569	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-15.464	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-14.319	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-15.993	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-6.566	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-25.434	-0.0149	-2.5 to 2.5	Pass
				30	3.85	-17.667	-0.0103	-2.5 to 2.5	Pass
				40	3.85	-17.509	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-31.958	-0.0187	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	15.578	0.0090	-2.5 to 2.5	Pass
					3.85	-16.022	-0.0092	-2.5 to 2.5	Pass
					4.43	-15.192	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-20.442	-0.0118	-2.5 to 2.5	Pass
				-20	3.85	-34.962	-0.0202	-2.5 to 2.5	Pass
				-10	3.85	-32.387	-0.0187	-2.5 to 2.5	Pass
				0	3.85	-18.539	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-39.210	-0.0226	-2.5 to 2.5	Pass
				30	3.85	-6.137	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-15.693	-0.0091	-2.5 to 2.5	Pass
				50	3.85	-27.494	-0.0159	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.27	18.969	0.0108	-2.5 to 2.5	Pass
					3.85	-35.448	-0.0202	-2.5 to 2.5	Pass
					4.43	-30.055	-0.0171	-2.5 to 2.5	Pass
				-30	3.85	-26.293	-0.0150	-2.5 to 2.5	Pass
				-20	3.85	-25.506	-0.0146	-2.5 to 2.5	Pass
				-10	3.85	-25.291	-0.0144	-2.5 to 2.5	Pass
				0	3.85	-33.417	-0.0191	-2.5 to 2.5	Pass
				10	3.85	-9.069	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-23.403	-0.0134	-2.5 to 2.5	Pass
				40	3.85	-32.115	-0.0183	-2.5 to 2.5	Pass
				50	3.85	-17.209	-0.0098	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-10.428	-0.0061	-2.5 to 2.5	Pass
					3.85	24.977	0.0146	-2.5 to 2.5	Pass
					4.43	22.044	0.0129	-2.5 to 2.5	Pass
				-30	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				-20	3.85	26.350	0.0154	-2.5 to 2.5	Pass
				-10	3.85	30.355	0.0177	-2.5 to 2.5	Pass
				0	3.85	14.663	0.0086	-2.5 to 2.5	Pass
				10	3.85	21.687	0.0127	-2.5 to 2.5	Pass
				30	3.85	22.902	0.0134	-2.5 to 2.5	Pass
				40	3.85	31.185	0.0182	-2.5 to 2.5	Pass
				50	3.85	38.581	0.0225	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-31.815	-0.0184	-2.5 to 2.5	Pass
					3.85	12.102	0.0070	-2.5 to 2.5	Pass
					4.43	-2.704	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	25.663	0.0148	-2.5 to 2.5	Pass
				-20	3.85	8.583	0.0050	-2.5 to 2.5	Pass
				-10	3.85	21.043	0.0121	-2.5 to 2.5	Pass
				0	3.85	32.759	0.0189	-2.5 to 2.5	Pass
				10	3.85	10.428	0.0060	-2.5 to 2.5	Pass
				30	3.85	19.269	0.0111	-2.5 to 2.5	Pass
				40	3.85	31.543	0.0182	-2.5 to 2.5	Pass
				50	3.85	39.825	0.0230	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-2.346	-0.0013	-2.5 to 2.5	Pass
					3.85	15.836	0.0090	-2.5 to 2.5	Pass
					4.43	21.400	0.0122	-2.5 to 2.5	Pass
				-30	3.85	42.272	0.0241	-2.5 to 2.5	Pass
				-20	3.85	21.558	0.0123	-2.5 to 2.5	Pass
				-10	3.85	40.011	0.0228	-2.5 to 2.5	Pass
				0	3.85	10.428	0.0060	-2.5 to 2.5	Pass
				10	3.85	23.804	0.0136	-2.5 to 2.5	Pass
				30	3.85	27.981	0.0160	-2.5 to 2.5	Pass
				40	3.85	37.322	0.0213	-2.5 to 2.5	Pass
				50	3.85	42.171	0.0241	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-16.050	-0.0094	-2.5 to 2.5	Pass
					3.85	-16.065	-0.0094	-2.5 to 2.5	Pass
					4.43	5.994	0.0035	-2.5 to 2.5	Pass
				-30	3.85	-11.516	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-20.728	-0.0121	-2.5 to 2.5	Pass
				-10	3.85	-14.391	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-42.400	-0.0247	-2.5 to 2.5	Pass
				10	3.85	-19.670	-0.0115	-2.5 to 2.5	Pass

				30	3.85	-35.820	-0.0209	-2.5 to 2.5	Pass
				40	3.85	-10.571	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-23.346	-0.0136	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-9.599	-0.0055	-2.5 to 2.5	Pass
					3.85	-18.883	-0.0109	-2.5 to 2.5	Pass
					4.43	-24.147	-0.0139	-2.5 to 2.5	Pass
				-30	3.85	-27.165	-0.0157	-2.5 to 2.5	Pass
				-20	3.85	-23.088	-0.0133	-2.5 to 2.5	Pass
				-10	3.85	-28.710	-0.0166	-2.5 to 2.5	Pass
				0	3.85	-20.227	-0.0117	-2.5 to 2.5	Pass
				10	3.85	-28.582	-0.0165	-2.5 to 2.5	Pass
				30	3.85	5.851	0.0034	-2.5 to 2.5	Pass
				40	3.85	3.176	0.0018	-2.5 to 2.5	Pass
				50	3.85	-9.341	-0.0054	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-31.056	-0.0177	-2.5 to 2.5	Pass
					3.85	-25.506	-0.0146	-2.5 to 2.5	Pass
					4.43	-24.891	-0.0142	-2.5 to 2.5	Pass
				-30	3.85	-16.594	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-23.417	-0.0134	-2.5 to 2.5	Pass
				-10	3.85	-17.610	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-23.217	-0.0133	-2.5 to 2.5	Pass
				10	3.85	-24.891	-0.0142	-2.5 to 2.5	Pass
				30	3.85	-20.070	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-15.464	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-15.578	-0.0089	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-11.473	-0.0067	-2.5 to 2.5	Pass
					3.85	12.074	0.0070	-2.5 to 2.5	Pass
					4.43	13.847	0.0081	-2.5 to 2.5	Pass
				-30	3.85	14.133	0.0082	-2.5 to 2.5	Pass
				-20	3.85	35.033	0.0204	-2.5 to 2.5	Pass
				-10	3.85	9.413	0.0055	-2.5 to 2.5	Pass
				0	3.85	18.997	0.0111	-2.5 to 2.5	Pass
				10	3.85	32.086	0.0187	-2.5 to 2.5	Pass
				30	3.85	38.567	0.0225	-2.5 to 2.5	Pass
				40	3.85	40.097	0.0234	-2.5 to 2.5	Pass
				50	3.85	5.536	0.0032	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-4.063	-0.0023	-2.5 to 2.5	Pass
					3.85	5.250	0.0030	-2.5 to 2.5	Pass
					4.43	13.790	0.0080	-2.5 to 2.5	Pass
				-30	3.85	9.570	0.0055	-2.5 to 2.5	Pass
				-20	3.85	22.202	0.0128	-2.5 to 2.5	Pass
				-10	3.85	22.631	0.0131	-2.5 to 2.5	Pass
				0	3.85	37.966	0.0219	-2.5 to 2.5	Pass
				10	3.85	22.130	0.0128	-2.5 to 2.5	Pass
				30	3.85	27.137	0.0157	-2.5 to 2.5	Pass
				40	3.85	21.901	0.0126	-2.5 to 2.5	Pass
				50	3.85	17.166	0.0099	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	32.573	0.0186	-2.5 to 2.5	Pass
					4.43	36.564	0.0209	-2.5 to 2.5	Pass
				-30	3.85	21.501	0.0123	-2.5 to 2.5	Pass
				-20	3.85	7.653	0.0044	-2.5 to 2.5	Pass
				-10	3.85	16.422	0.0094	-2.5 to 2.5	Pass
				0	3.85	-17.867	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-19.498	-0.0111	-2.5 to 2.5	Pass
				40	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				50	3.85	2.289	0.0013	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-24.662	-0.0144	-2.5 to 2.5	Pass
					3.85	-23.518	-0.0137	-2.5 to 2.5	Pass
					4.43	-19.155	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-28.009	-0.0163	-2.5 to 2.5	Pass
				-20	3.85	-24.018	-0.0140	-2.5 to 2.5	Pass
				-10	3.85	-29.154	-0.0170	-2.5 to 2.5	Pass
				0	3.85	-21.830	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-35.248	-0.0205	-2.5 to 2.5	Pass
				30	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				40	3.85	-11.787	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-18.697	-0.0109	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-34.289	-0.0198	-2.5 to 2.5	Pass
					3.85	-21.458	-0.0124	-2.5 to 2.5	Pass
					4.43	-16.665	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-26.779	-0.0155	-2.5 to 2.5	Pass
				-20	3.85	-17.796	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-33.245	-0.0192	-2.5 to 2.5	Pass
				0	3.85	19.956	0.0115	-2.5 to 2.5	Pass
				10	3.85	8.283	0.0048	-2.5 to 2.5	Pass
				30	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-20.056	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-29.340	-0.0169	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-13.990	-0.0080	-2.5 to 2.5	Pass
					3.85	-25.663	-0.0147	-2.5 to 2.5	Pass
					4.43	-21.873	-0.0125	-2.5 to 2.5	Pass
				-30	3.85	-26.908	-0.0154	-2.5 to 2.5	Pass
				-20	3.85	-27.437	-0.0157	-2.5 to 2.5	Pass
				-10	3.85	-28.210	-0.0161	-2.5 to 2.5	Pass
				0	3.85	-16.136	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-8.297	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-20.070	-0.0115	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-4.706	-0.0027	-2.5 to 2.5	Pass
					3.85	1.245	0.0007	-2.5 to 2.5	Pass
					4.43	20.928	0.0122	-2.5 to 2.5	Pass
				-30	3.85	19.298	0.0112	-2.5 to 2.5	Pass
				-20	3.85	24.405	0.0142	-2.5 to 2.5	Pass
				-10	3.85	12.503	0.0073	-2.5 to 2.5	Pass
				0	3.85	33.588	0.0196	-2.5 to 2.5	Pass
				10	3.85	4.334	0.0025	-2.5 to 2.5	Pass
				30	3.85	9.584	0.0056	-2.5 to 2.5	Pass
				40	3.85	12.760	0.0074	-2.5 to 2.5	Pass
				50	3.85	17.967	0.0105	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	19.240	0.0111	-2.5 to 2.5	Pass
					3.85	8.683	0.0050	-2.5 to 2.5	Pass
					4.43	28.267	0.0163	-2.5 to 2.5	Pass
				-30	3.85	18.940	0.0109	-2.5 to 2.5	Pass
				-20	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				-10	3.85	20.685	0.0119	-2.5 to 2.5	Pass
				0	3.85	29.969	0.0173	-2.5 to 2.5	Pass
				10	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				30	3.85	9.127	0.0053	-2.5 to 2.5	Pass
				40	3.85	18.997	0.0110	-2.5 to 2.5	Pass
				50	3.85	24.519	0.0142	-2.5 to 2.5	Pass

	1747.5	75	0	20	3.27	11.973	0.0069	-2.5 to 2.5	Pass
					3.85	15.135	0.0087	-2.5 to 2.5	Pass
					4.43	26.250	0.0150	-2.5 to 2.5	Pass
				-30	3.85	33.402	0.0191	-2.5 to 2.5	Pass
				-20	3.85	15.235	0.0087	-2.5 to 2.5	Pass
				-10	3.85	21.315	0.0122	-2.5 to 2.5	Pass
				0	3.85	35.963	0.0206	-2.5 to 2.5	Pass
				10	3.85	44.689	0.0256	-2.5 to 2.5	Pass
				30	3.85	34.876	0.0200	-2.5 to 2.5	Pass
				40	3.85	4.478	0.0026	-2.5 to 2.5	Pass
				50	3.85	10.285	0.0059	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-18.339	-0.0107	-2.5 to 2.5	Pass
					3.85	-16.136	-0.0094	-2.5 to 2.5	Pass
					4.43	-12.002	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-34.161	-0.0199	-2.5 to 2.5	Pass
				-20	3.85	-14.162	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-21.815	-0.0127	-2.5 to 2.5	Pass
				0	3.85	-30.842	-0.0179	-2.5 to 2.5	Pass
				10	3.85	-21.601	-0.0126	-2.5 to 2.5	Pass
				30	3.85	-12.660	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-14.949	-0.0087	-2.5 to 2.5	Pass
				50	3.85	-21.701	-0.0126	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-28.896	-0.0167	-2.5 to 2.5	Pass
					3.85	-27.223	-0.0157	-2.5 to 2.5	Pass
					4.43	-22.688	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-11.616	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-35.563	-0.0205	-2.5 to 2.5	Pass
				-10	3.85	-4.206	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-30.813	-0.0178	-2.5 to 2.5	Pass
				10	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-17.309	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-28.095	-0.0162	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-28.610	-0.0164	-2.5 to 2.5	Pass
					3.85	-16.479	-0.0094	-2.5 to 2.5	Pass
					4.43	-20.986	-0.0120	-2.5 to 2.5	Pass
				-30	3.85	-23.446	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	-31.786	-0.0182	-2.5 to 2.5	Pass
				-10	3.85	-8.197	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-26.035	-0.0149	-2.5 to 2.5	Pass
				10	3.85	-15.464	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-39.124	-0.0224	-2.5 to 2.5	Pass
				40	3.85	2.360	0.0014	-2.5 to 2.5	Pass
				50	3.85	-12.188	-0.0070	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	8.998	0.0052	-2.5 to 2.5	Pass
					3.85	18.582	0.0108	-2.5 to 2.5	Pass
					4.43	0.873	0.0005	-2.5 to 2.5	Pass
				-30	3.85	24.605	0.0143	-2.5 to 2.5	Pass
				-20	3.85	29.955	0.0174	-2.5 to 2.5	Pass
				-10	3.85	15.278	0.0089	-2.5 to 2.5	Pass
				0	3.85	32.587	0.0189	-2.5 to 2.5	Pass
				10	3.85	41.599	0.0242	-2.5 to 2.5	Pass

				30	3.85	8.669	0.0050	-2.5 to 2.5	Pass
				40	3.85	11.601	0.0067	-2.5 to 2.5	Pass
				50	3.85	23.146	0.0135	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	6.166	0.0036	-2.5 to 2.5	Pass
					3.85	10.486	0.0061	-2.5 to 2.5	Pass
					4.43	28.410	0.0164	-2.5 to 2.5	Pass
				-30	3.85	20.170	0.0116	-2.5 to 2.5	Pass
				-20	3.85	31.300	0.0181	-2.5 to 2.5	Pass
				-10	3.85	16.222	0.0094	-2.5 to 2.5	Pass
				0	3.85	12.746	0.0074	-2.5 to 2.5	Pass
				10	3.85	26.293	0.0152	-2.5 to 2.5	Pass
				30	3.85	24.776	0.0143	-2.5 to 2.5	Pass
				40	3.85	17.223	0.0099	-2.5 to 2.5	Pass
				50	3.85	13.218	0.0076	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	20.084	0.0115	-2.5 to 2.5	Pass
					3.85	20.528	0.0118	-2.5 to 2.5	Pass
					4.43	22.931	0.0131	-2.5 to 2.5	Pass
				-30	3.85	7.095	0.0041	-2.5 to 2.5	Pass
				-20	3.85	25.434	0.0146	-2.5 to 2.5	Pass
				-10	3.85	5.336	0.0031	-2.5 to 2.5	Pass
				0	3.85	17.610	0.0101	-2.5 to 2.5	Pass
				10	3.85	26.865	0.0154	-2.5 to 2.5	Pass
				30	3.85	35.305	0.0202	-2.5 to 2.5	Pass
				40	3.85	33.302	0.0191	-2.5 to 2.5	Pass
				50	3.85	-10.042	-0.0058	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.1.5 B4_15MHz

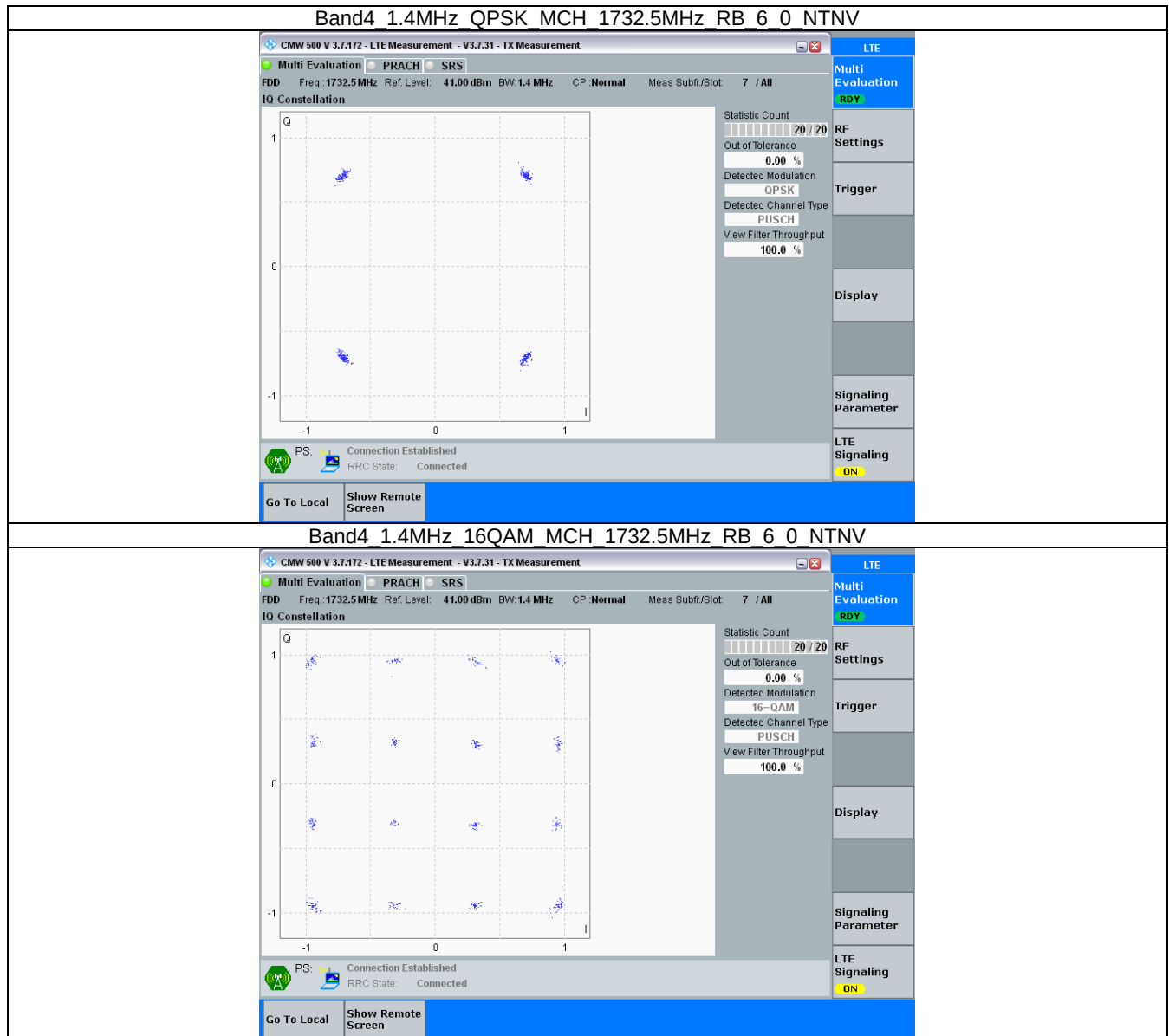
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

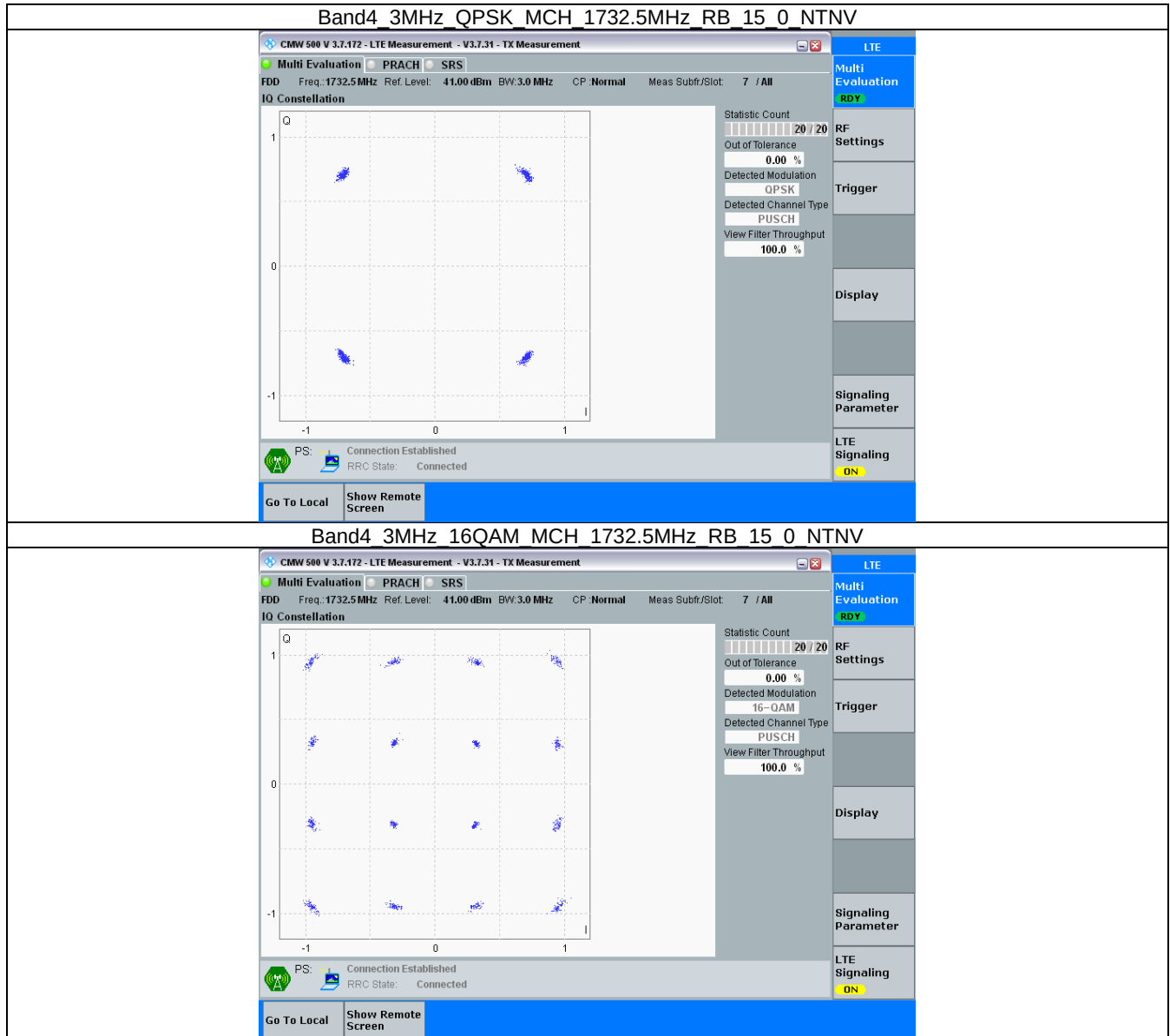
Band: 4 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

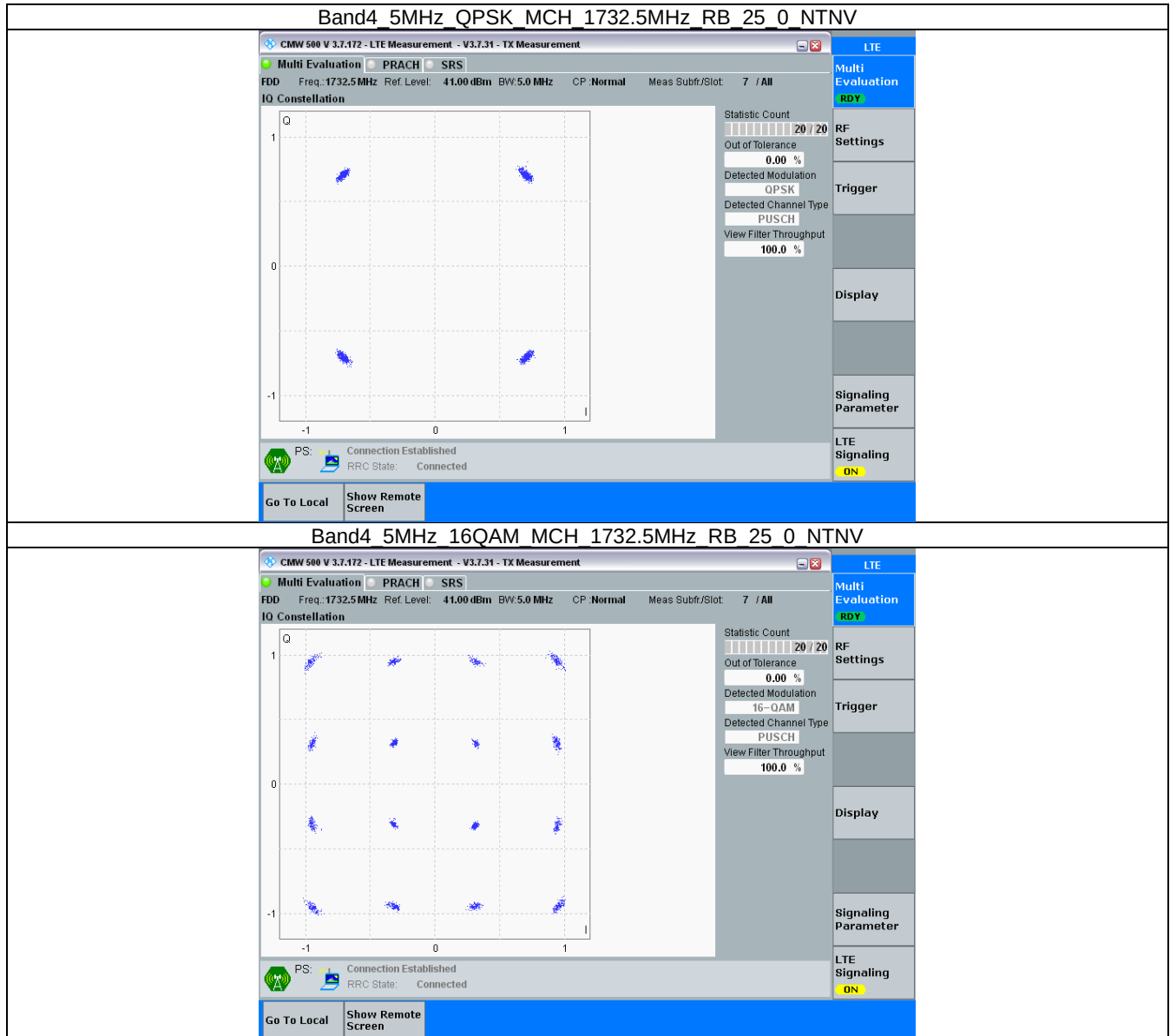
3.2.1 B4_1.4MHz



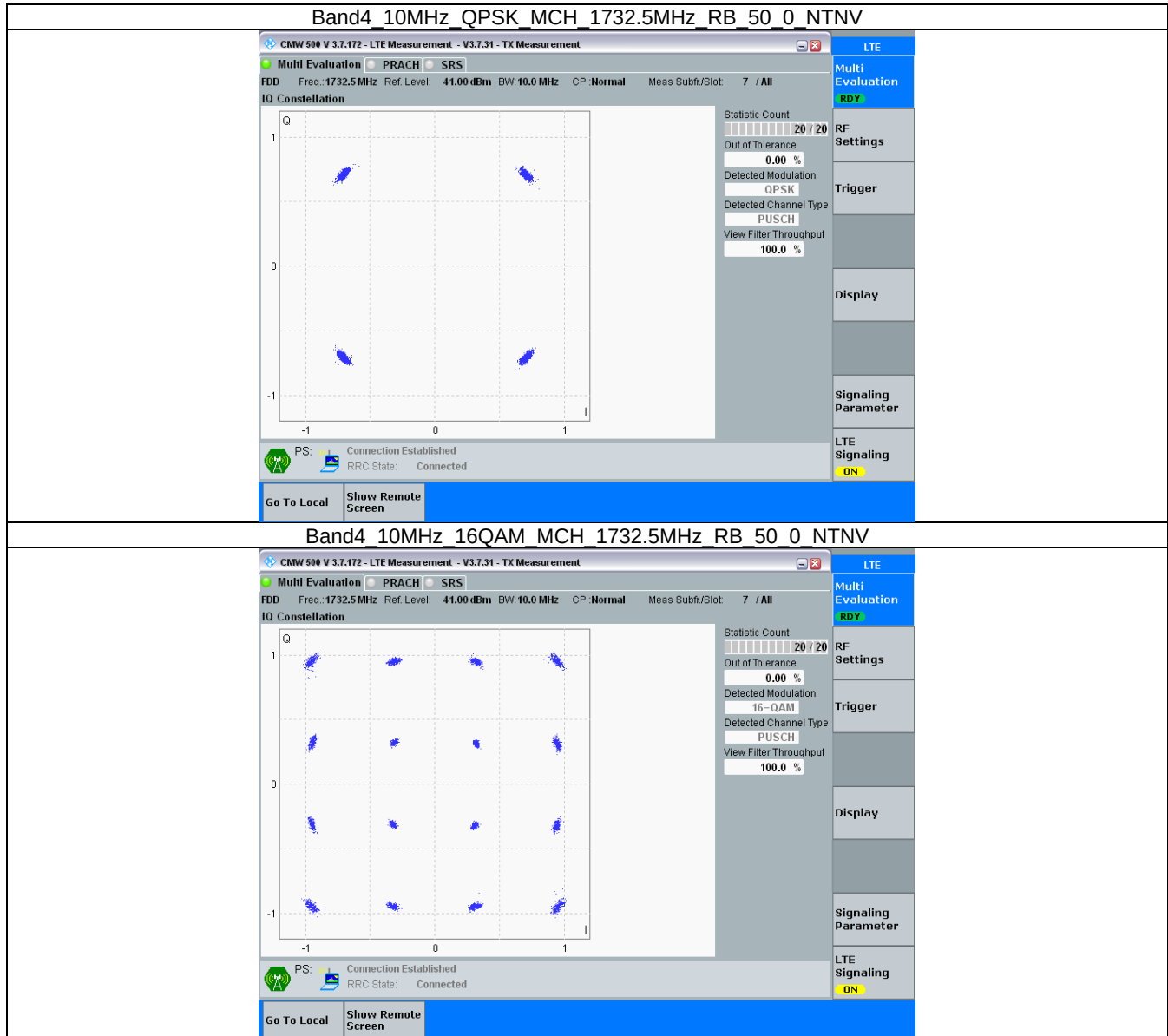
3.2.2 B4_3MHz



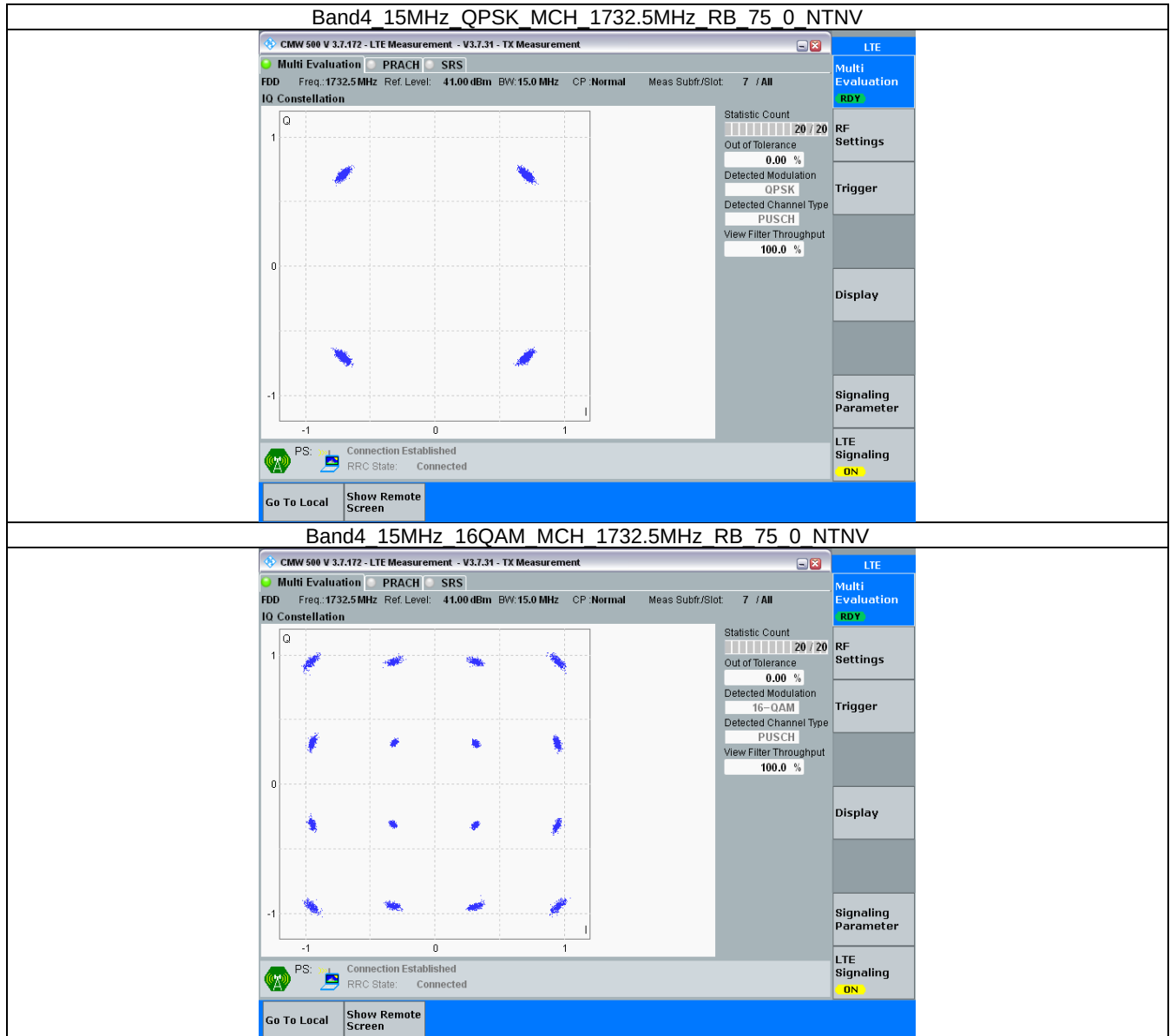
3.2.3 B4_5MHz



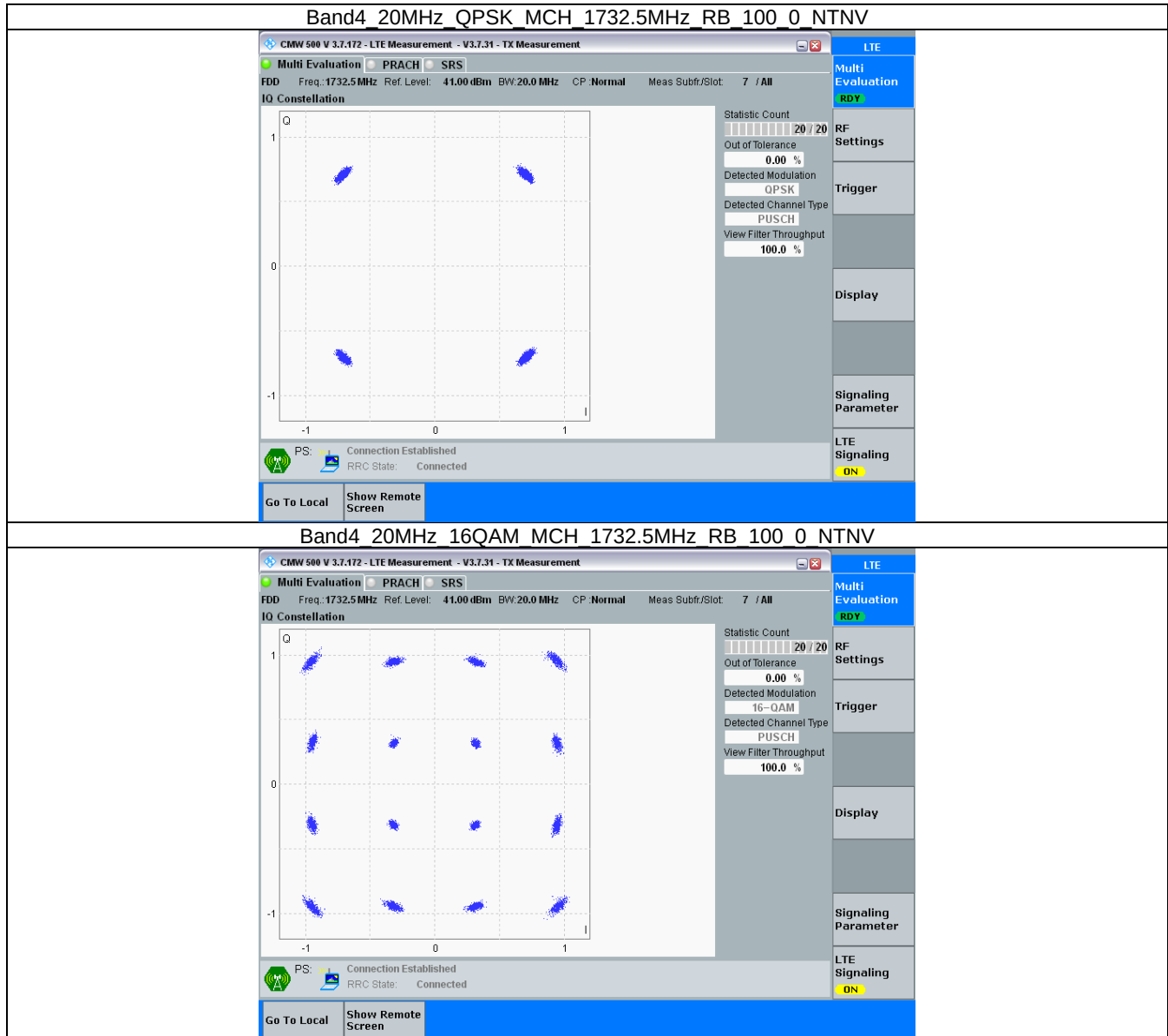
3.2.4 B4_10MHz



3.2.5 B4_15MHz



3.2.6 B4_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.104	/	Pass
		1732.5	6	0	1.114	/	Pass
		1754.3	6	0	1.114	/	Pass
	16QAM	1710.7	6	0	1.120	/	Pass
		1732.5	6	0	1.122	/	Pass
		1754.3	6	0	1.116	/	Pass
3	QPSK	1711.5	15	0	2.759	/	Pass
		1732.5	15	0	2.759	/	Pass
		1753.5	15	0	2.761	/	Pass
	16QAM	1711.5	15	0	2.782	/	Pass
		1732.5	15	0	2.759	/	Pass
		1753.5	15	0	2.743	/	Pass
5	QPSK	1712.5	25	0	4.562	/	Pass
		1732.5	25	0	4.554	/	Pass
		1752.5	25	0	4.545	/	Pass
	16QAM	1712.5	25	0	4.553	/	Pass
		1732.5	25	0	4.571	/	Pass
		1752.5	25	0	4.562	/	Pass
10	QPSK	1715	50	0	9.073	/	Pass
		1732.5	50	0	9.072	/	Pass
		1750	50	0	9.041	/	Pass
	16QAM	1715	50	0	9.072	/	Pass
		1732.5	50	0	9.062	/	Pass
		1750	50	0	9.061	/	Pass
15	QPSK	1717.5	75	0	13.628	/	Pass
		1732.5	75	0	13.627	/	Pass
		1747.5	75	0	13.576	/	Pass
	16QAM	1717.5	75	0	13.609	/	Pass
		1732.5	75	0	13.641	/	Pass
		1747.5	75	0	13.609	/	Pass
20	QPSK	1720	100	0	18.160	/	Pass
		1732.5	100	0	18.168	/	Pass
		1745	100	0	18.178	/	Pass
	16QAM	1720	100	0	18.173	/	Pass
		1732.5	100	0	18.173	/	Pass
		1745	100	0	18.130	/	Pass

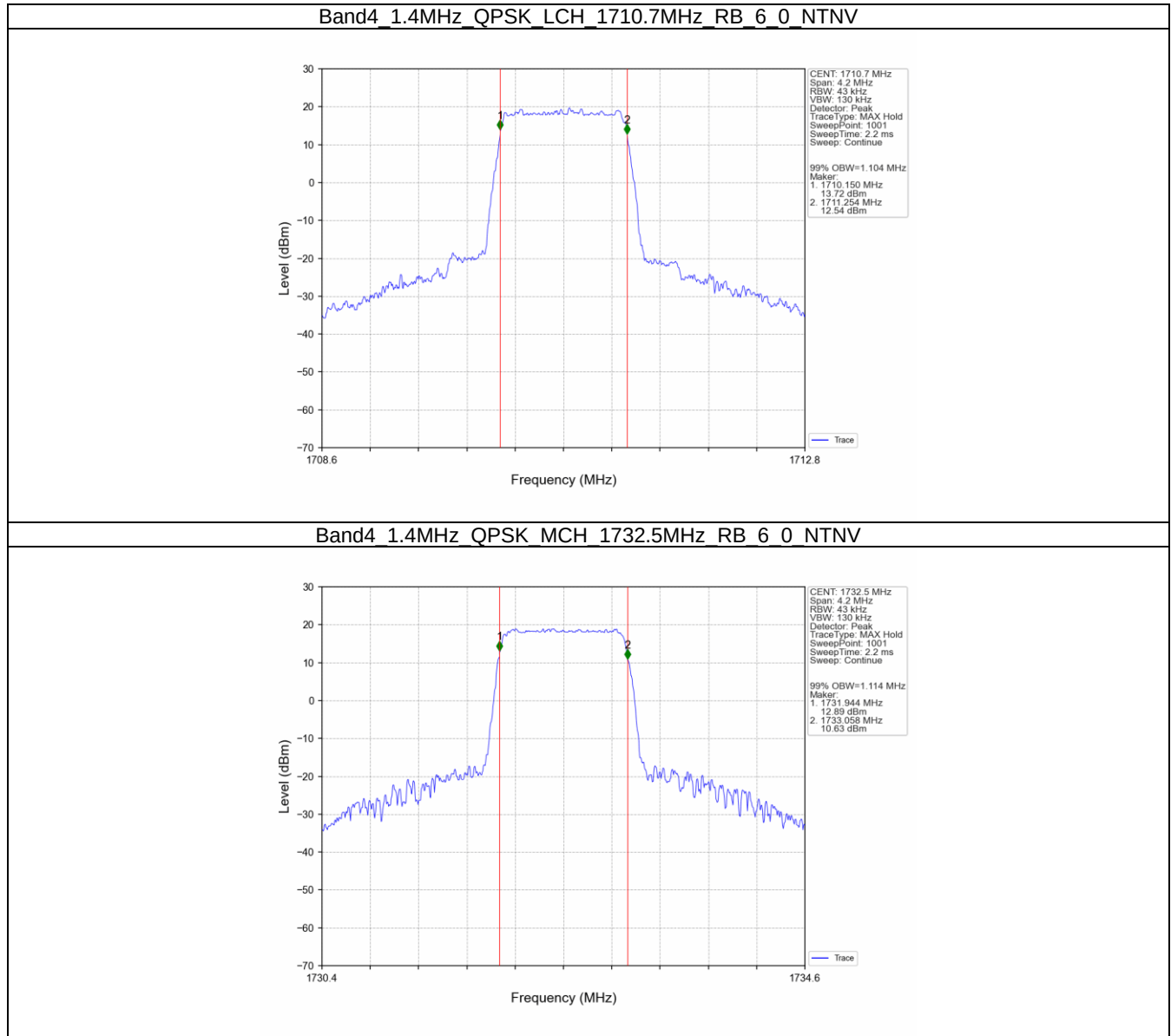
4.1.2 Band4_XDB

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.279	/	Pass
		1732.5	6	0	1.278	/	Pass
		1754.3	6	0	1.274	/	Pass

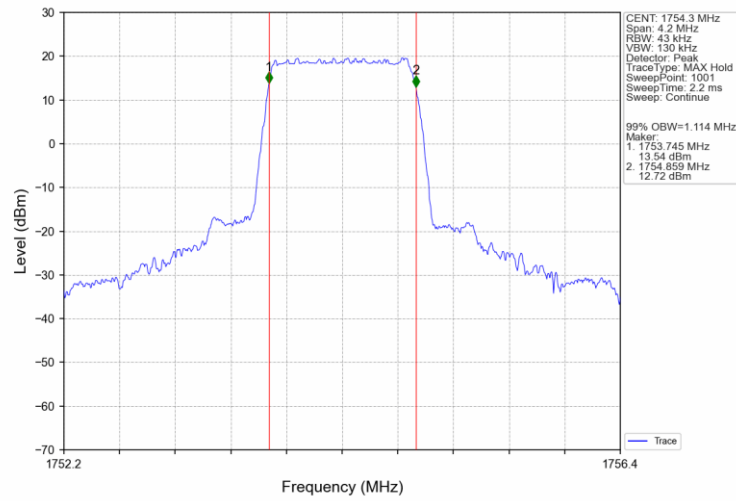
	16QAM	1710.7	6	0	1.273	/	Pass
		1732.5	6	0	1.277	/	Pass
		1754.3	6	0	1.280	/	Pass
3	QPSK	1711.5	15	0	3.099	/	Pass
		1732.5	15	0	3.079	/	Pass
		1753.5	15	0	3.125	/	Pass
	16QAM	1711.5	15	0	3.116	/	Pass
		1732.5	15	0	3.109	/	Pass
		1753.5	15	0	3.082	/	Pass
5	QPSK	1712.5	25	0	5.046	/	Pass
		1732.5	25	0	5.066	/	Pass
		1752.5	25	0	5.094	/	Pass
	16QAM	1712.5	25	0	5.044	/	Pass
		1732.5	25	0	5.081	/	Pass
		1752.5	25	0	5.069	/	Pass
10	QPSK	1715	50	0	10.064	/	Pass
		1732.5	50	0	10.070	/	Pass
		1750	50	0	10.043	/	Pass
	16QAM	1715	50	0	10.073	/	Pass
		1732.5	50	0	10.057	/	Pass
		1750	50	0	10.070	/	Pass
15	QPSK	1717.5	75	0	15.159	/	Pass
		1732.5	75	0	15.051	/	Pass
		1747.5	75	0	15.103	/	Pass
	16QAM	1717.5	75	0	15.088	/	Pass
		1732.5	75	0	15.295	/	Pass
		1747.5	75	0	15.118	/	Pass
20	QPSK	1720	100	0	19.958	/	Pass
		1732.5	100	0	20.166	/	Pass
		1745	100	0	20.054	/	Pass
	16QAM	1720	100	0	20.098	/	Pass
		1732.5	100	0	20.093	/	Pass
		1745	100	0	20.000	/	Pass

4.2 Test Graph

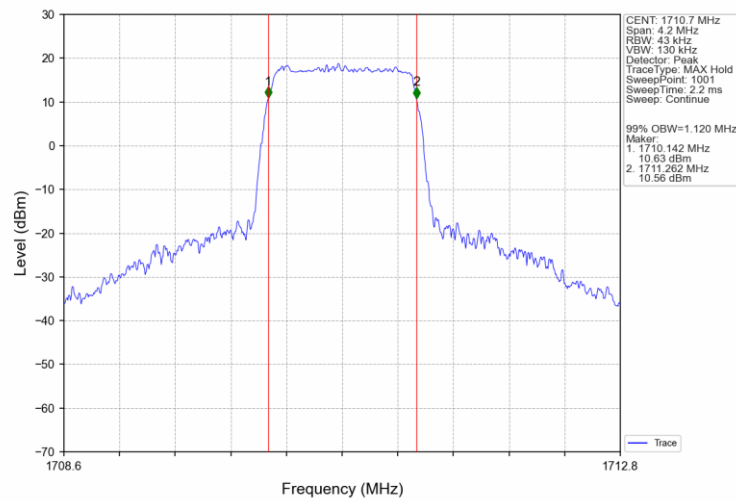
4.2.1 Band4_OBW



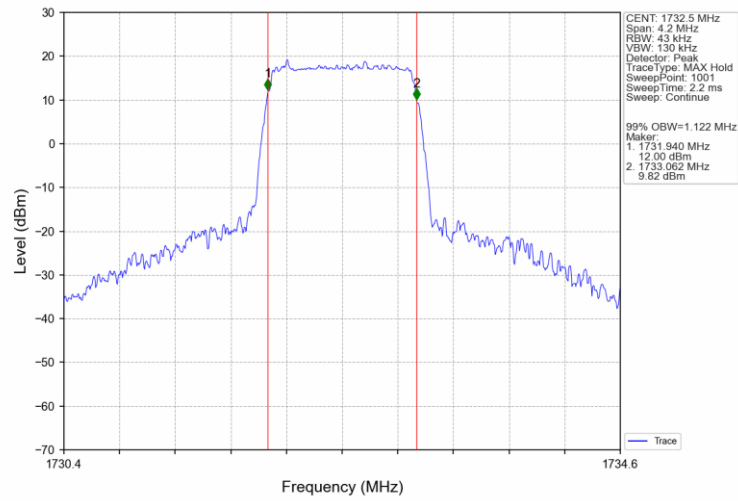
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



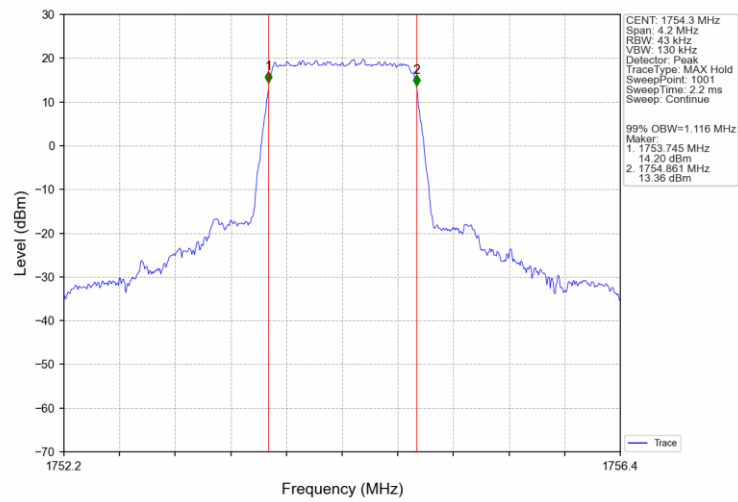
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



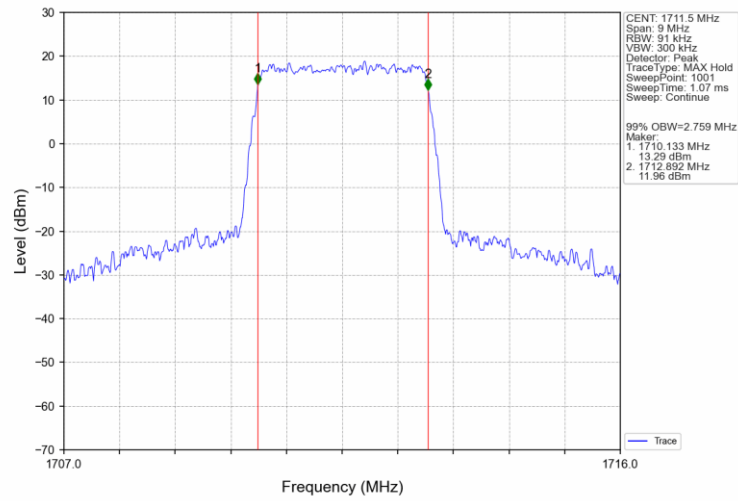
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



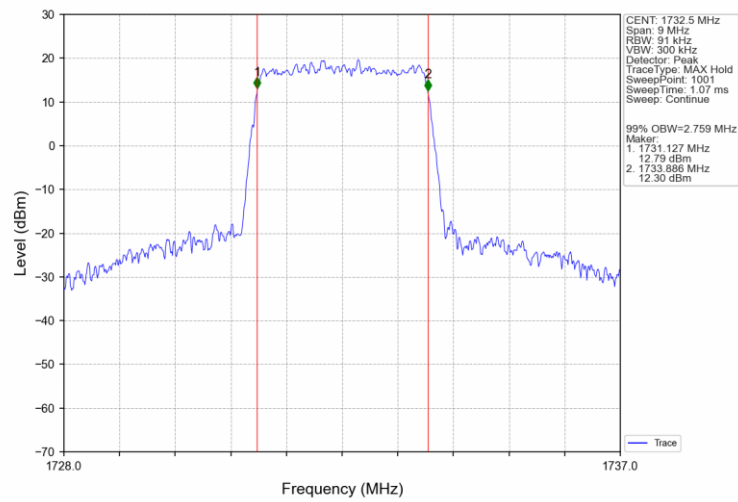
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



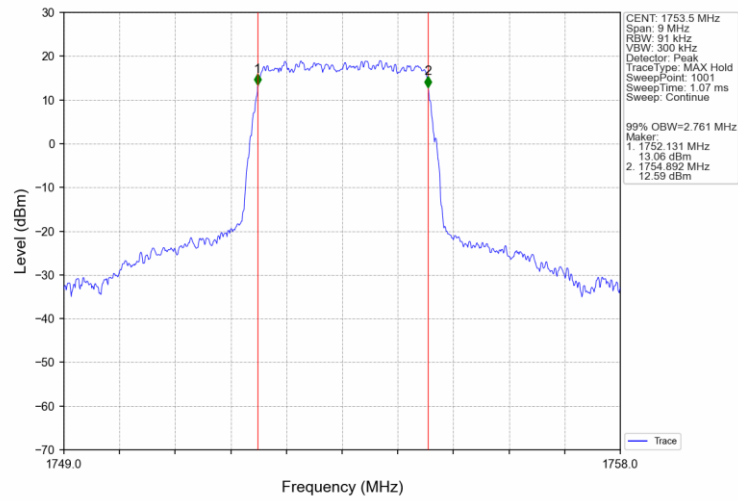
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



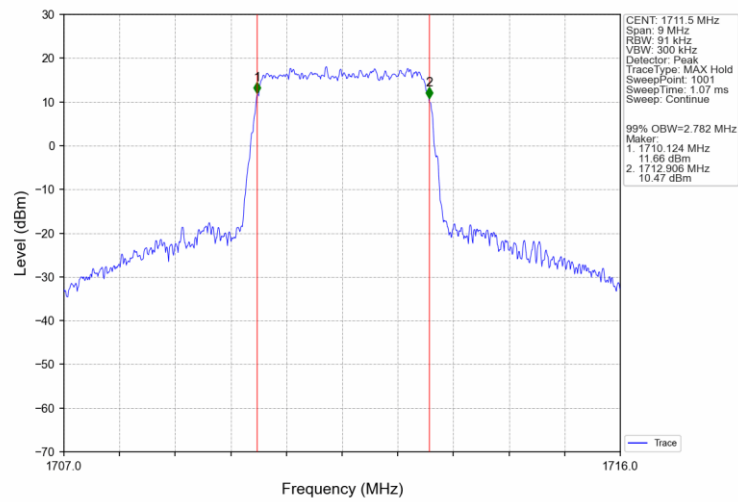
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



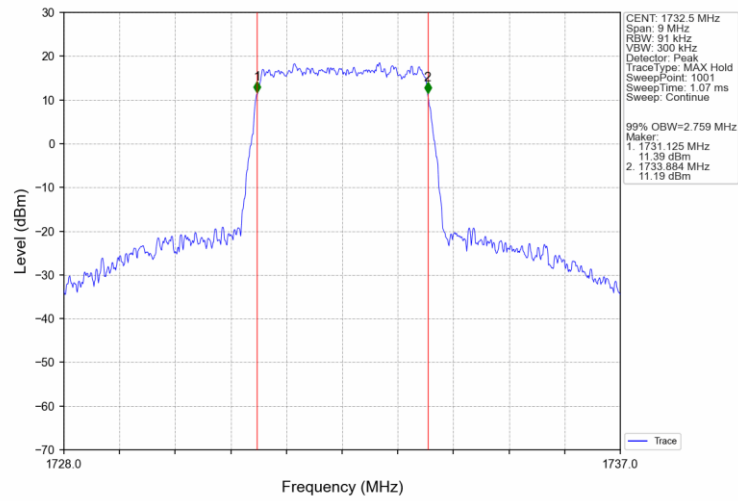
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



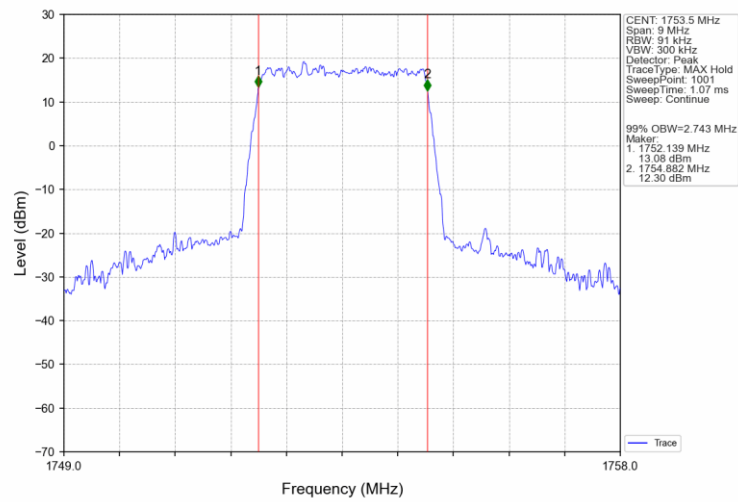
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



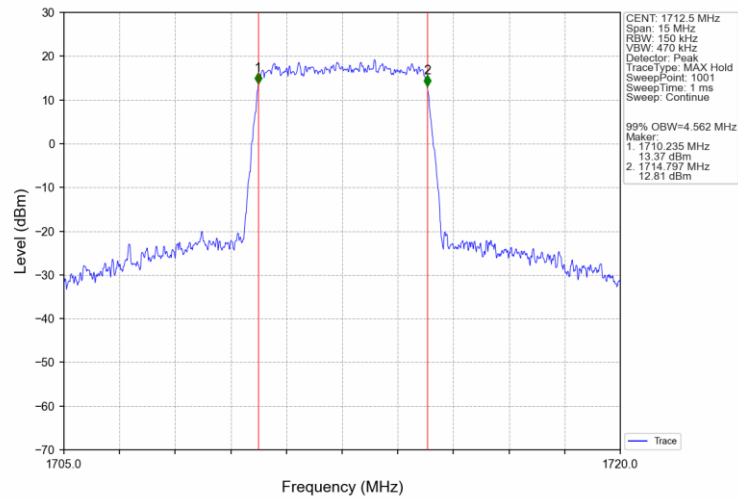
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



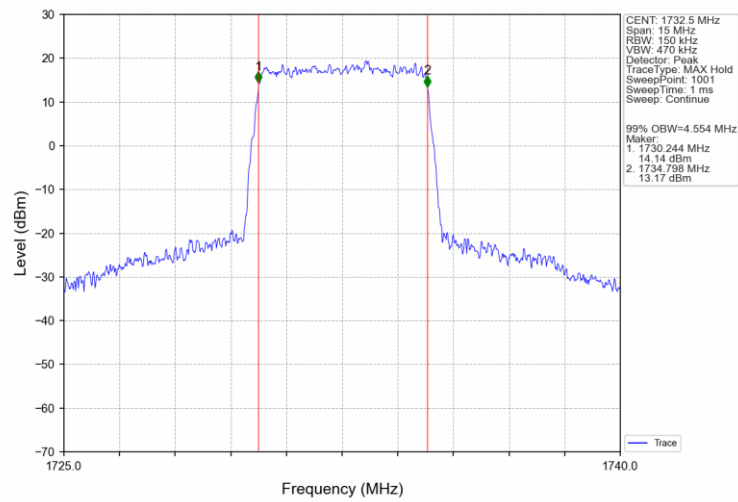
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



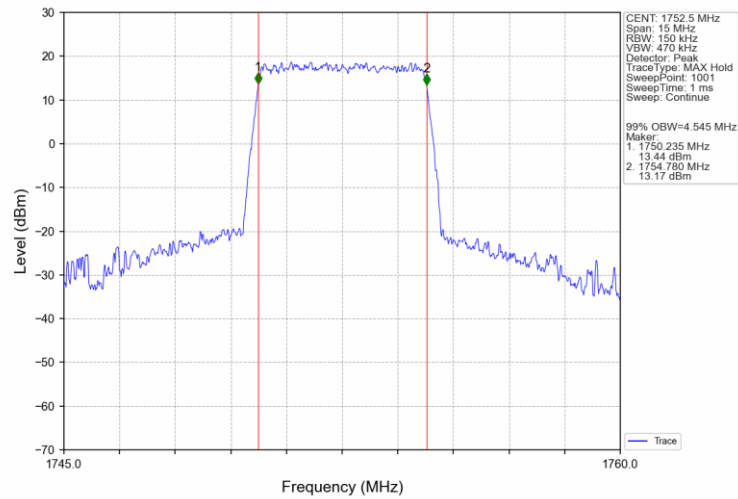
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



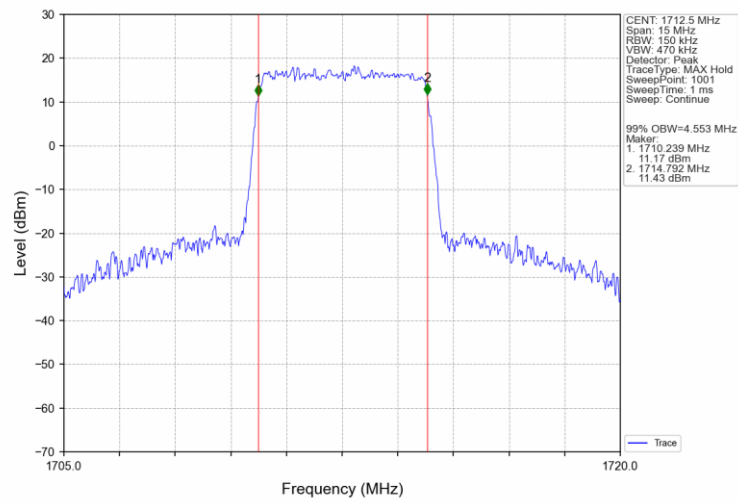
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



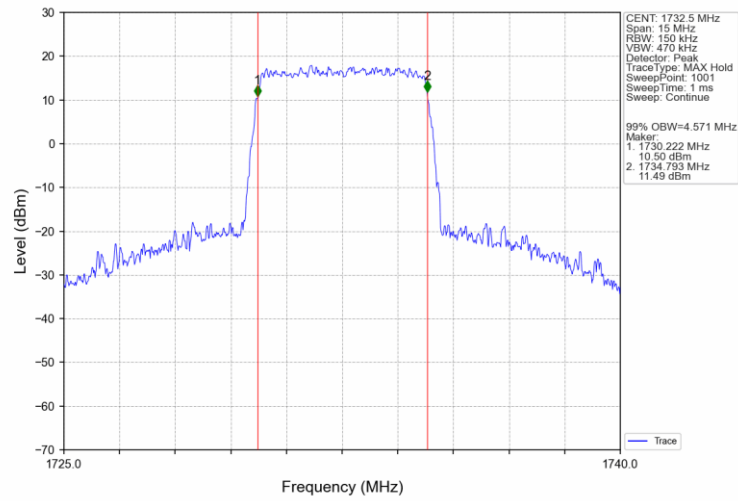
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



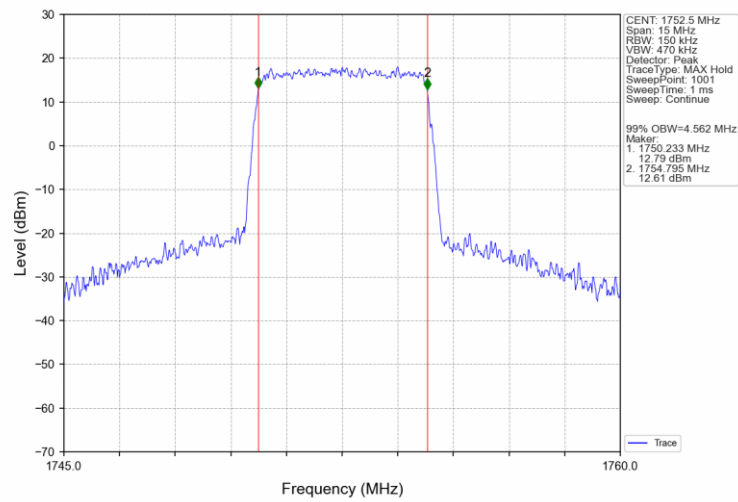
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



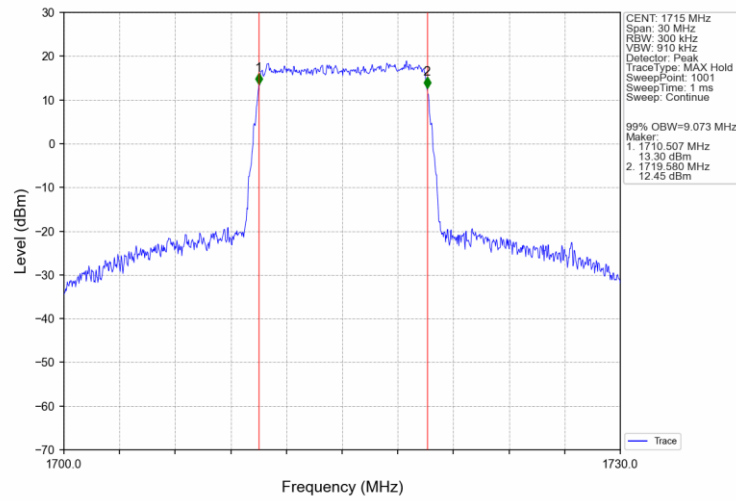
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



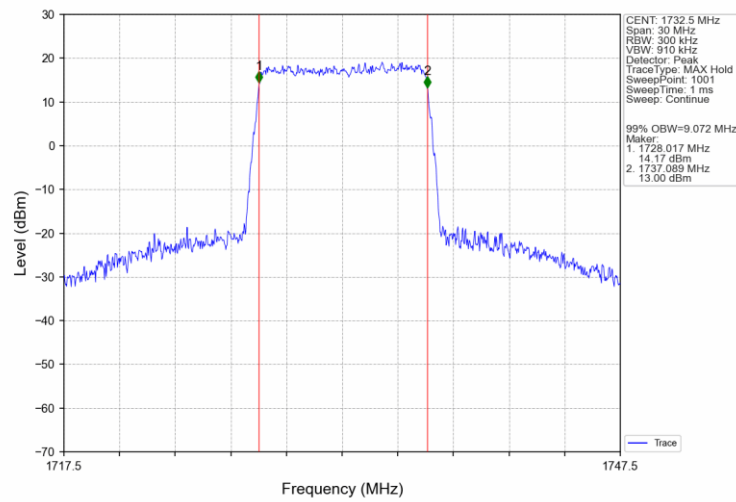
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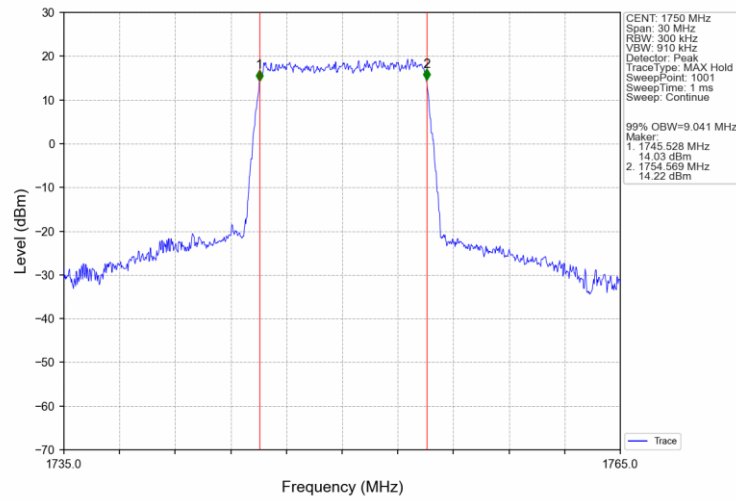
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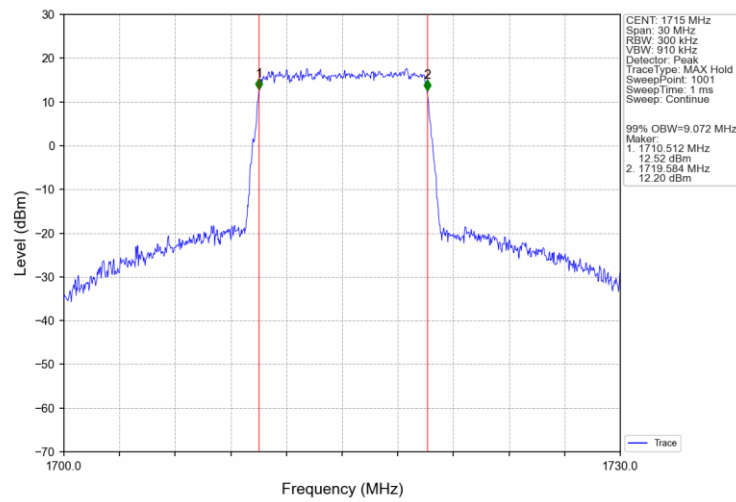
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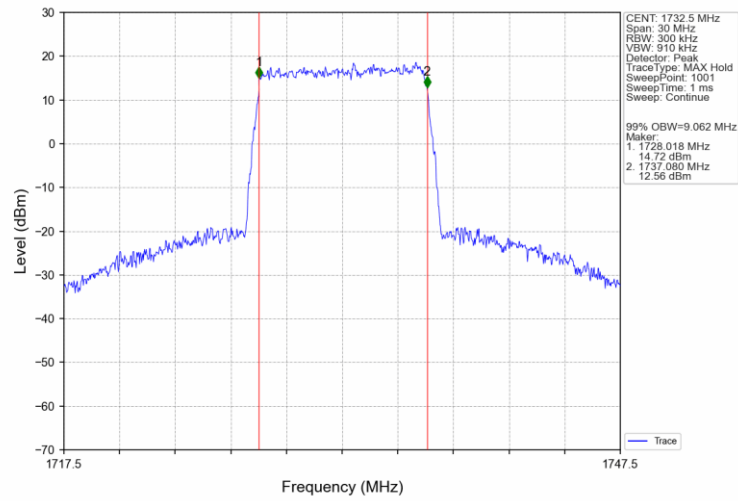
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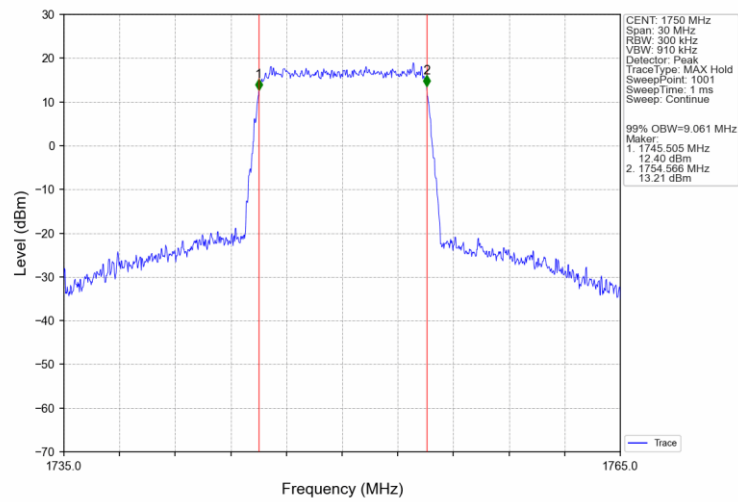
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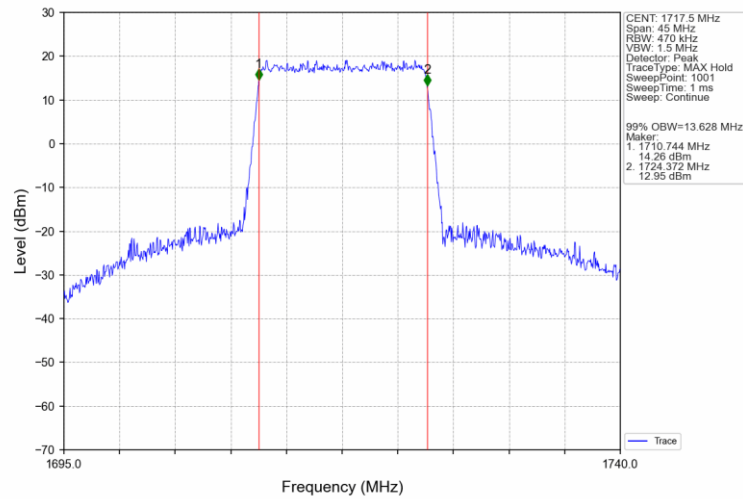
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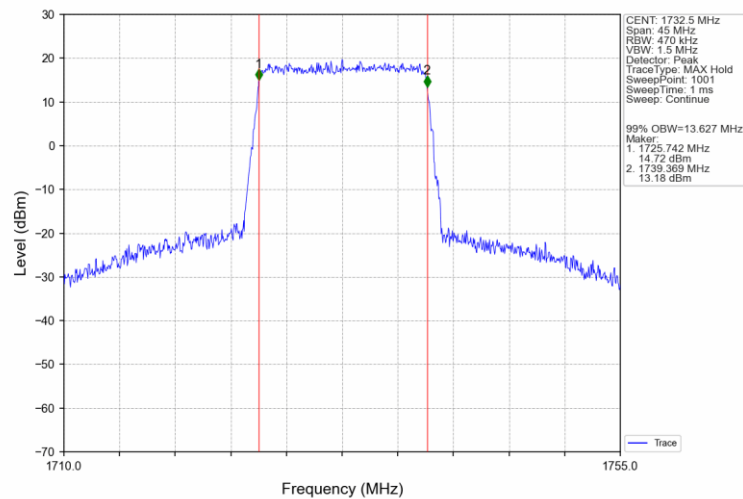
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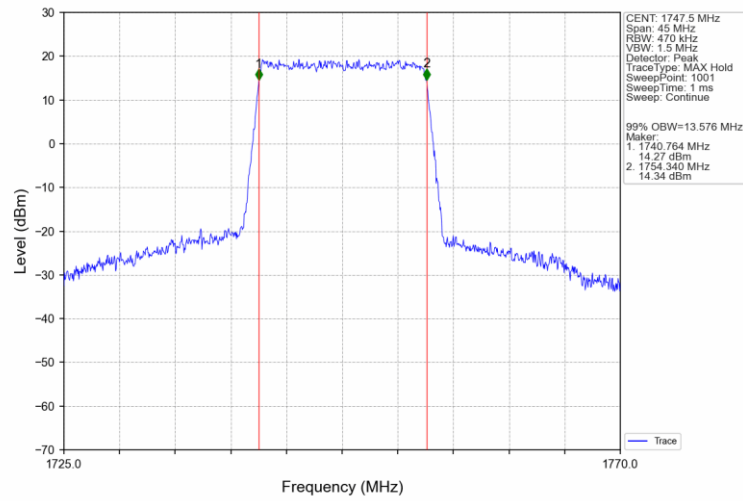
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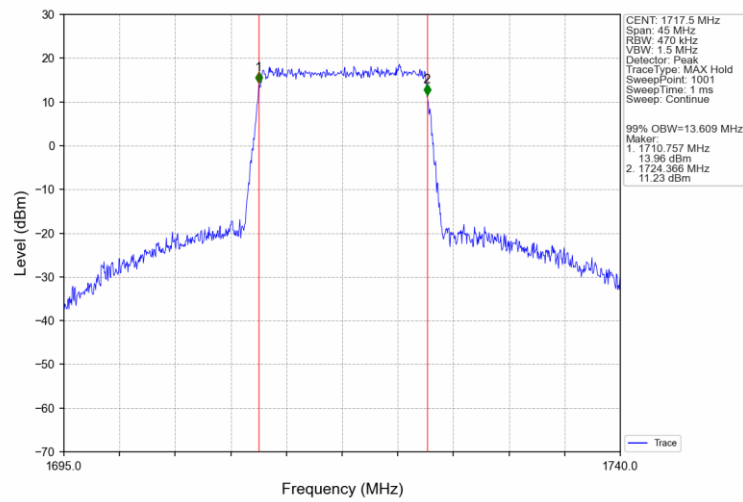
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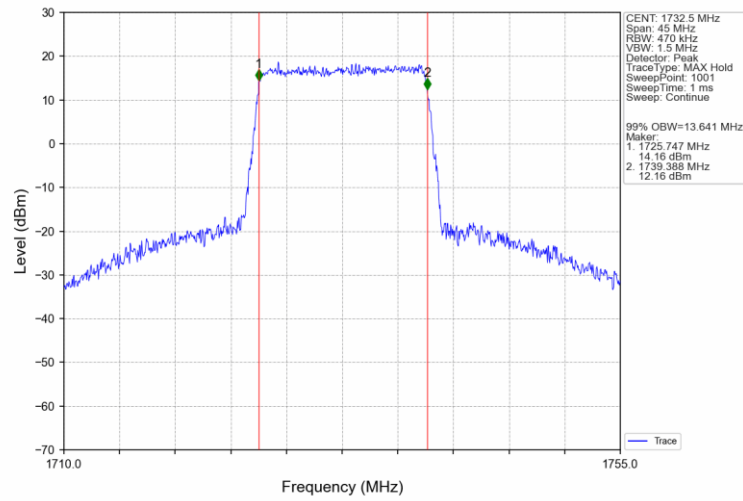
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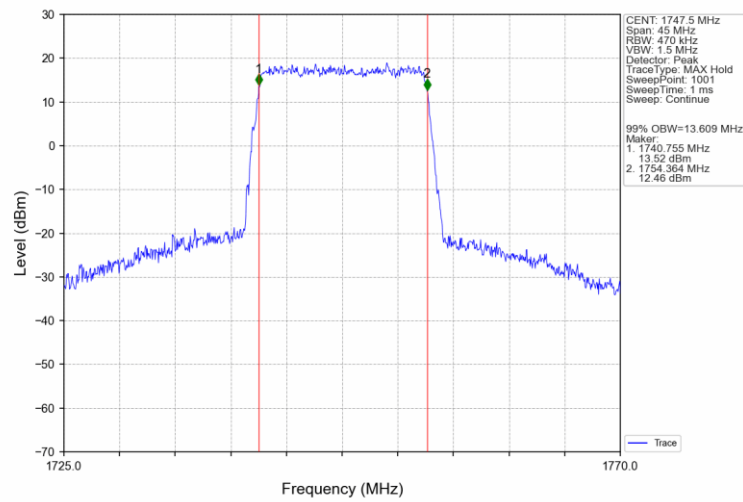
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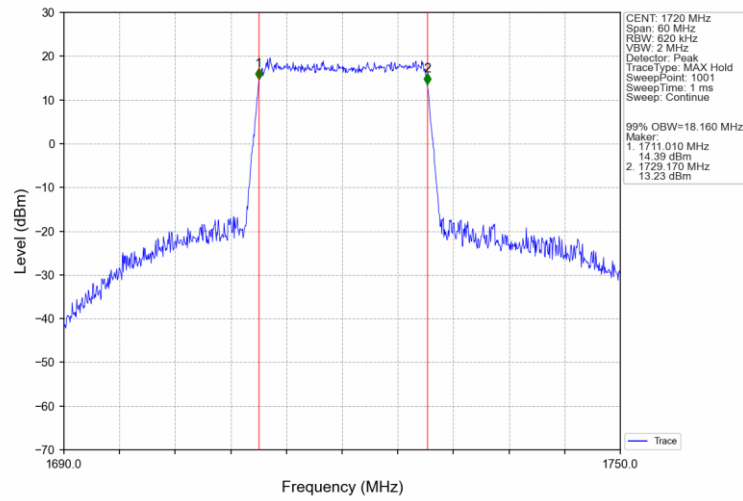
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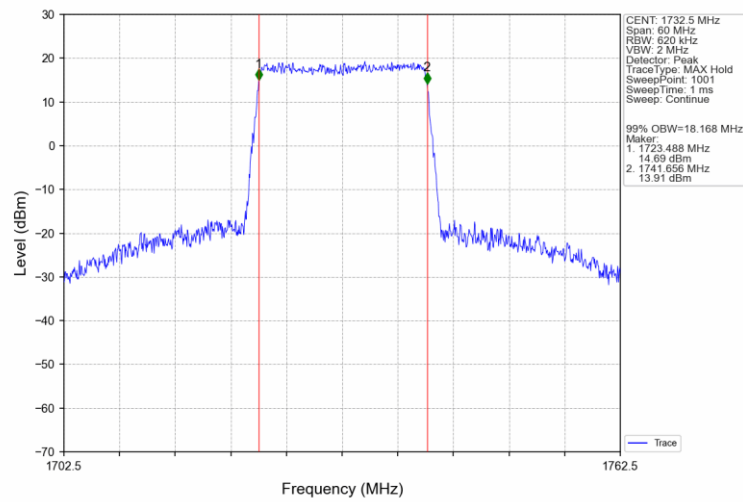
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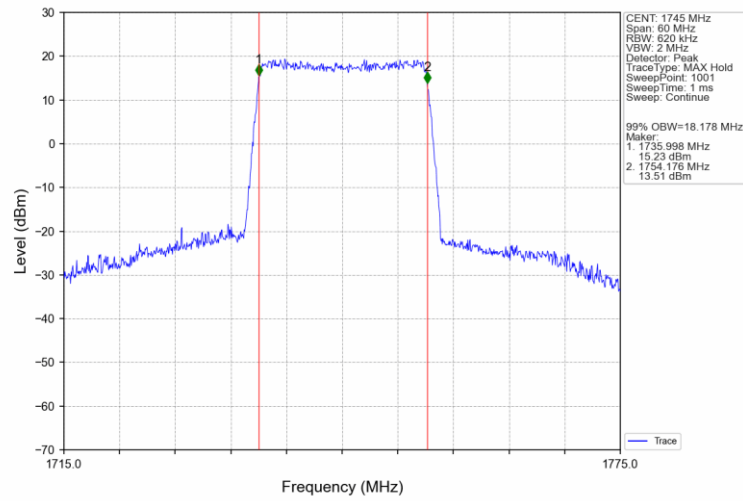
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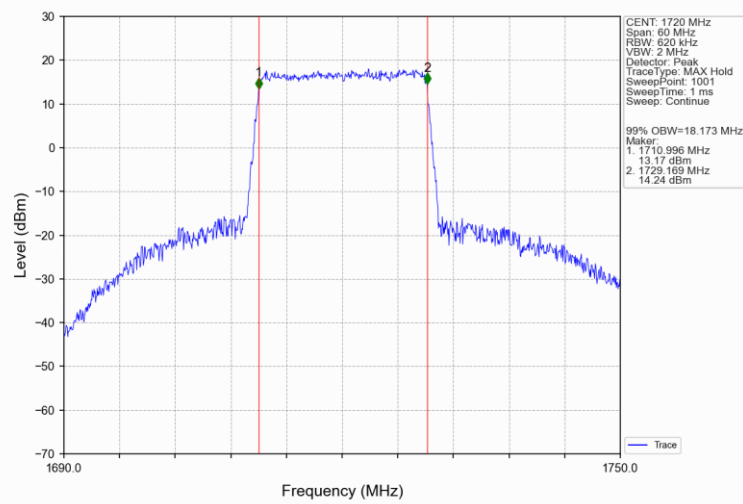
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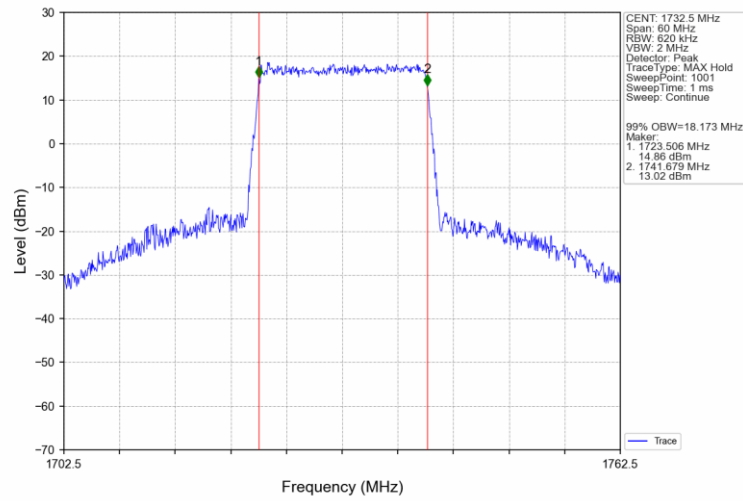
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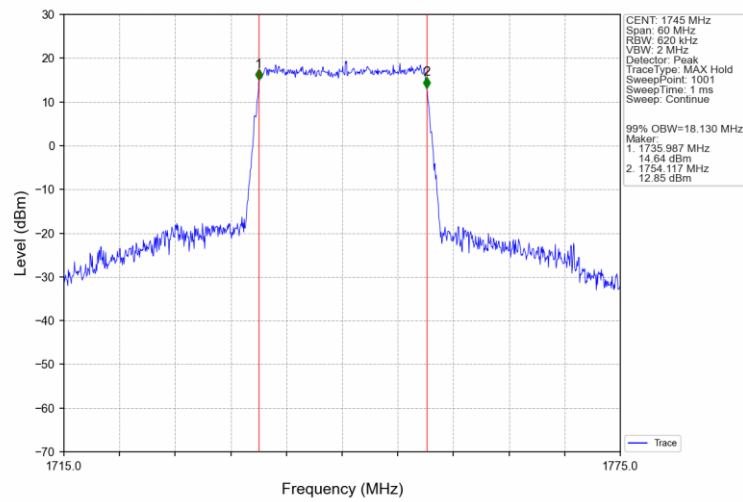
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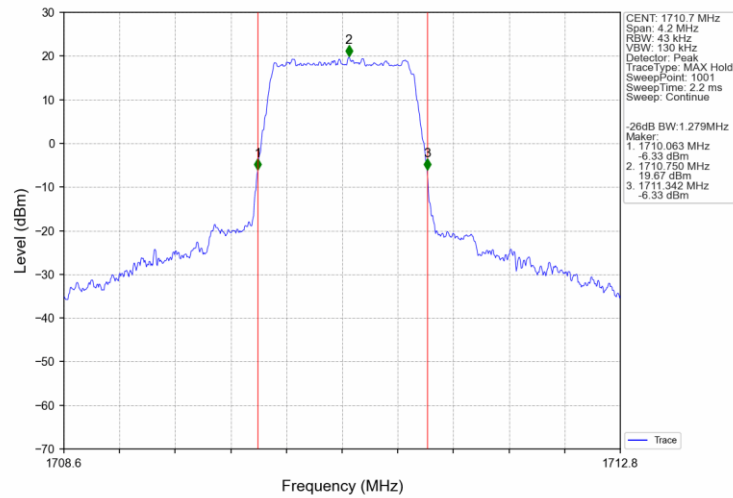


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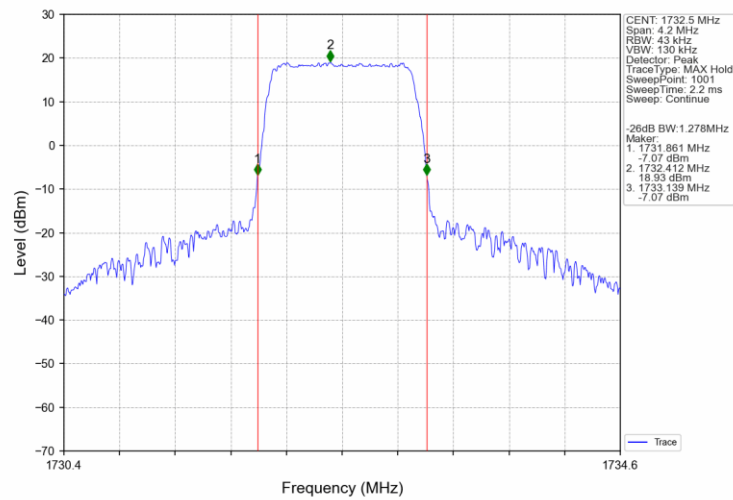


4.2.2 Band4_XDB

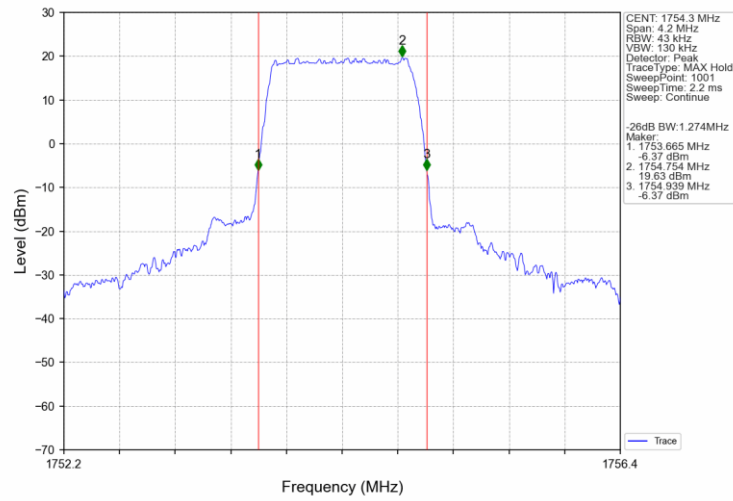
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



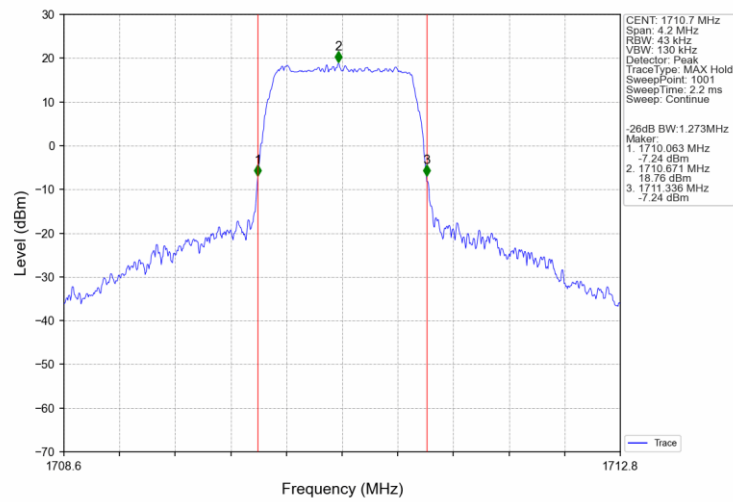
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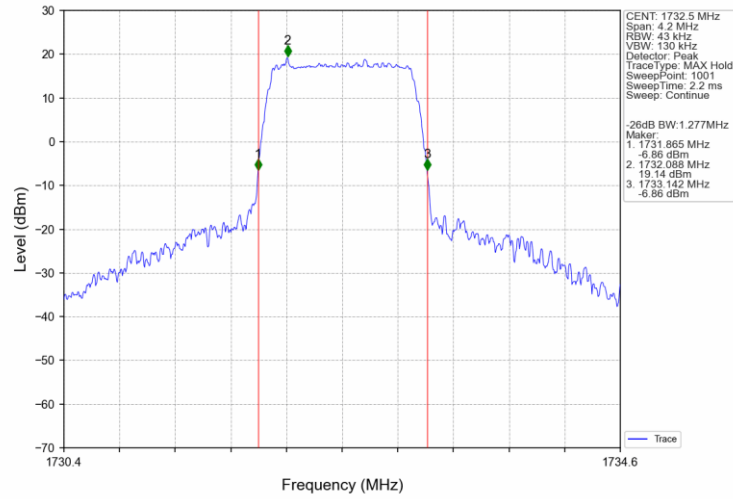
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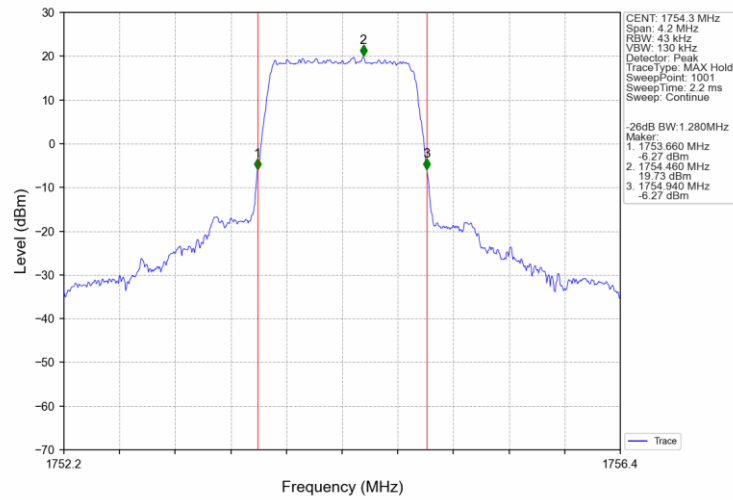
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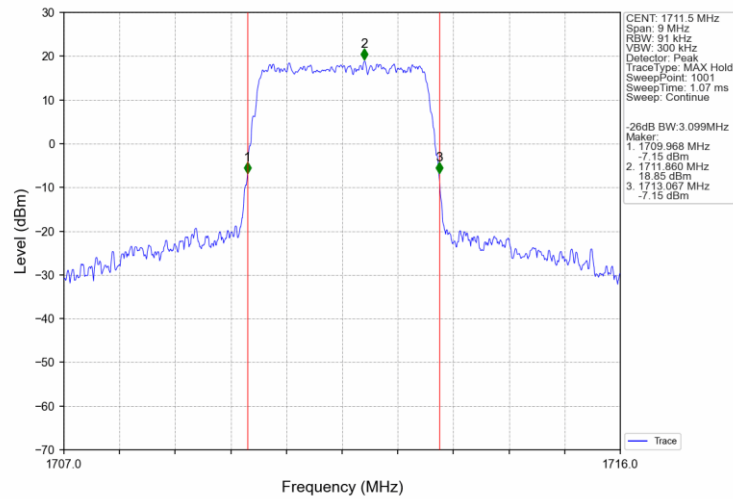
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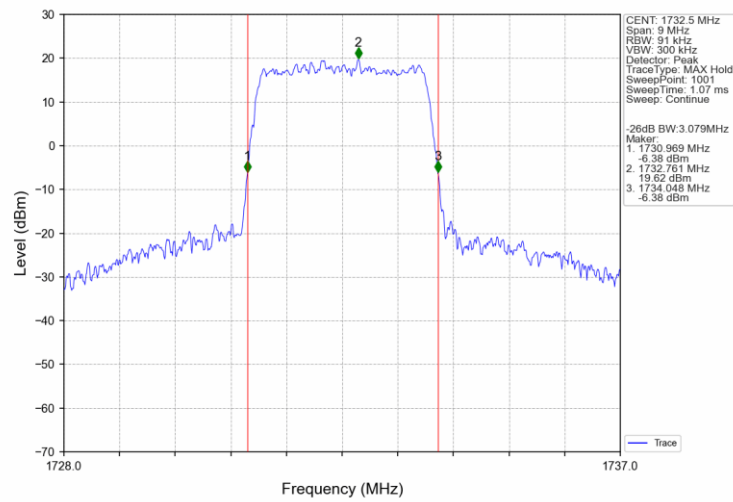
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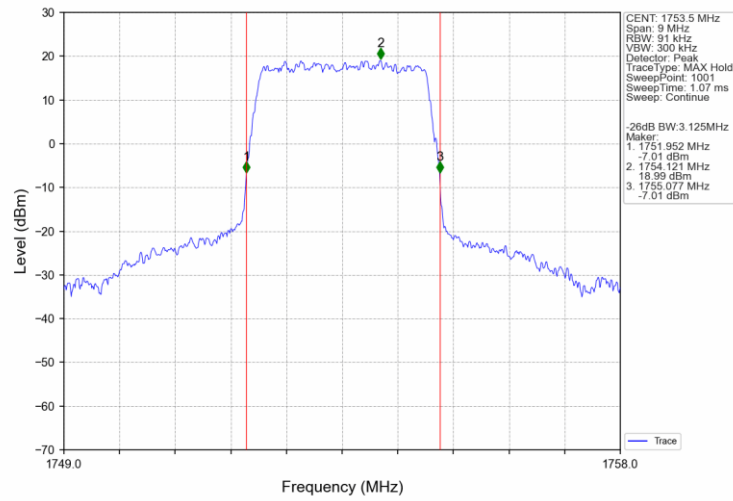
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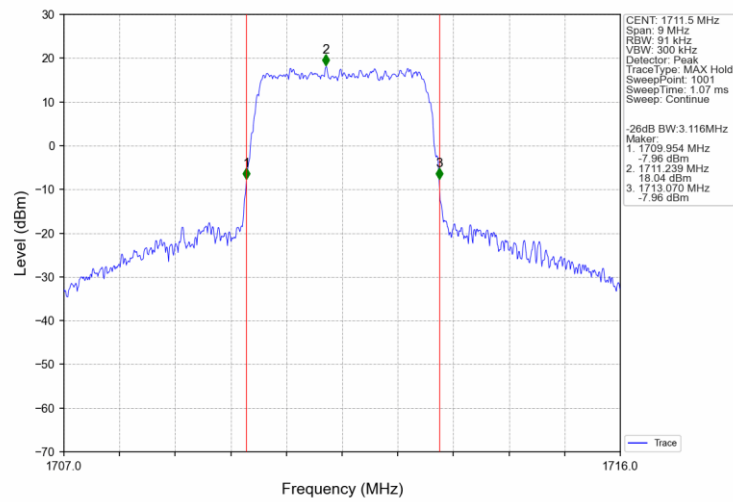
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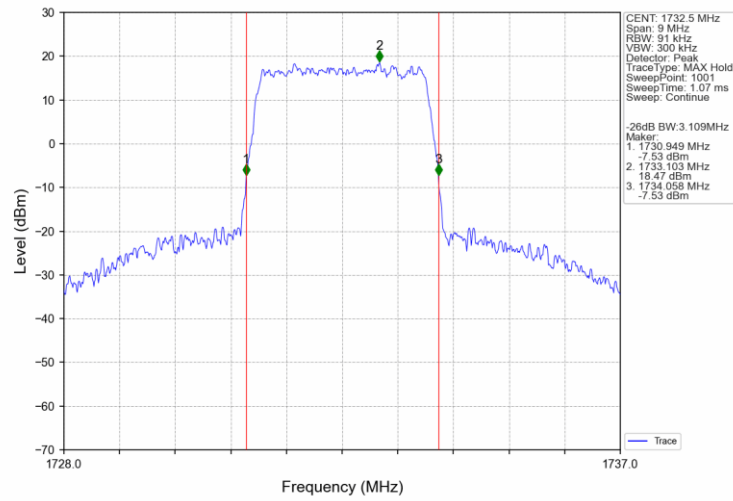
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

