

Appendix Test Data for LTE_band_4

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	22.62	2.26	24.88	<=30	Pass
			2	22.66	2.26	24.92	<=30	Pass
			5	22.65	2.26	24.91	<=30	Pass
		3	0	22.68	2.26	24.94	<=30	Pass
			2	22.69	2.26	24.95	<=30	Pass
			3	22.71	2.26	24.97	<=30	Pass
		6	0	21.66	2.26	23.92	<=30	Pass
	1732.5	1	0	22.67	2.26	24.93	<=30	Pass
			2	22.64	2.26	24.90	<=30	Pass
			5	22.67	2.26	24.93	<=30	Pass
		3	0	22.80	2.26	25.06	<=30	Pass
			2	22.77	2.26	25.03	<=30	Pass
			3	22.74	2.26	25.00	<=30	Pass
		6	0	21.79	2.26	24.05	<=30	Pass
	1754.3	1	0	22.22	2.26	24.48	<=30	Pass
			2	22.20	2.26	24.46	<=30	Pass
			5	22.14	2.26	24.40	<=30	Pass
		3	0	22.67	2.26	24.93	<=30	Pass
			2	22.67	2.26	24.93	<=30	Pass
			3	22.68	2.26	24.94	<=30	Pass
		6	0	21.64	2.26	23.90	<=30	Pass
16QAM	1710.7	1	0	21.16	2.26	23.42	<=30	Pass
			2	21.18	2.26	23.44	<=30	Pass
			5	21.21	2.26	23.47	<=30	Pass
		3	0	21.71	2.26	23.97	<=30	Pass
			2	21.70	2.26	23.96	<=30	Pass
			3	21.71	2.26	23.97	<=30	Pass
		6	0	20.57	2.26	22.83	<=30	Pass
	1732.5	1	0	21.73	2.26	23.99	<=30	Pass
			2	21.55	2.26	23.81	<=30	Pass
			5	21.67	2.26	23.93	<=30	Pass
		3	0	21.91	2.26	24.17	<=30	Pass
			2	21.93	2.26	24.19	<=30	Pass
			3	21.91	2.26	24.17	<=30	Pass
		6	0	20.75	2.26	23.01	<=30	Pass
	1754.3	1	0	21.15	2.26	23.41	<=30	Pass
			2	21.16	2.26	23.42	<=30	Pass
			5	21.18	2.26	23.44	<=30	Pass
		3	0	21.71	2.26	23.97	<=30	Pass
			2	21.69	2.26	23.95	<=30	Pass
			3	21.71	2.26	23.97	<=30	Pass
		6	0	20.56	2.26	22.82	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

Band: 4 / 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	22.15	2.26	24.41	<=30	Pass	
			7	22.16	2.26	24.42	<=30	Pass	
			14	22.16	2.26	24.42	<=30	Pass	
		8	0	21.66	2.26	23.92	<=30	Pass	
			4	21.67	2.26	23.93	<=30	Pass	
			7	21.69	2.26	23.95	<=30	Pass	
		15	0	21.66	2.26	23.92	<=30	Pass	
		1732.5	1	0	22.25	2.26	24.51	<=30	Pass
				7	22.25	2.26	24.51	<=30	Pass
	14			22.20	2.26	24.46	<=30	Pass	
	8		0	21.80	2.26	24.06	<=30	Pass	
			4	21.75	2.26	24.01	<=30	Pass	
			7	21.75	2.26	24.01	<=30	Pass	
	15		0	21.77	2.26	24.03	<=30	Pass	
	1753.5		1	0	22.14	2.26	24.40	<=30	Pass
				7	22.14	2.26	24.40	<=30	Pass
		14		22.13	2.26	24.39	<=30	Pass	
		8	0	21.62	2.26	23.88	<=30	Pass	
			4	21.62	2.26	23.88	<=30	Pass	
			7	21.63	2.26	23.89	<=30	Pass	
		15	0	21.65	2.26	23.91	<=30	Pass	
16QAM		1711.5	1	0	21.19	2.26	23.45	<=30	Pass
				7	21.20	2.26	23.46	<=30	Pass
	14			21.18	2.26	23.44	<=30	Pass	
	8		0	20.71	2.26	22.97	<=30	Pass	
			4	20.73	2.26	22.99	<=30	Pass	
			7	20.74	2.26	23.00	<=30	Pass	
	15		0	20.70	2.26	22.96	<=30	Pass	
	1732.5		1	0	21.50	2.26	23.76	<=30	Pass
				7	21.47	2.26	23.73	<=30	Pass
		14		21.45	2.26	23.71	<=30	Pass	
		8	0	20.77	2.26	23.03	<=30	Pass	
			4	20.72	2.26	22.98	<=30	Pass	
			7	20.71	2.26	22.97	<=30	Pass	
		15	0	20.70	2.26	22.96	<=30	Pass	
		1753.5	1	0	21.75	2.26	24.01	<=30	Pass
				7	21.73	2.26	23.99	<=30	Pass
	14			21.69	2.26	23.95	<=30	Pass	
	8		0	20.81	2.26	23.07	<=30	Pass	
			4	20.81	2.26	23.07	<=30	Pass	
			7	20.80	2.26	23.06	<=30	Pass	
	15		0	20.71	2.26	22.97	<=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	22.25	2.26	24.51	<=30	Pass
			13	22.18	2.26	24.44	<=30	Pass
			24	22.25	2.26	24.51	<=30	Pass
		12	0	21.66	2.26	23.92	<=30	Pass
			6	21.68	2.26	23.94	<=30	Pass
			13	21.68	2.26	23.94	<=30	Pass
		25	0	21.69	2.26	23.95	<=30	Pass
	1732.5	1	0	22.32	2.26	24.58	<=30	Pass
			13	22.28	2.26	24.54	<=30	Pass

		12	24	22.35	2.26	24.61	<=30	Pass
			0	21.85	2.26	24.11	<=30	Pass
			6	21.80	2.26	24.06	<=30	Pass
			13	21.76	2.26	24.02	<=30	Pass
		25	0	21.82	2.26	24.08	<=30	Pass
	1752.5	1	0	22.35	2.26	24.61	<=30	Pass
			13	22.31	2.26	24.57	<=30	Pass
			24	22.34	2.26	24.60	<=30	Pass
		12	0	21.63	2.26	23.89	<=30	Pass
			6	21.67	2.26	23.93	<=30	Pass
			13	21.68	2.26	23.94	<=30	Pass
		25	0	21.68	2.26	23.94	<=30	Pass
			0	21.34	2.26	23.60	<=30	Pass
			13	21.26	2.26	23.52	<=30	Pass
			24	21.32	2.26	23.58	<=30	Pass
16QAM	1712.5	1	0	21.34	2.26	23.60	<=30	Pass
			13	21.26	2.26	23.52	<=30	Pass
			24	21.32	2.26	23.58	<=30	Pass
		12	0	20.63	2.26	22.89	<=30	Pass
			6	20.66	2.26	22.92	<=30	Pass
			13	20.66	2.26	22.92	<=30	Pass
		25	0	20.72	2.26	22.98	<=30	Pass
			0	21.63	2.26	23.89	<=30	Pass
			13	21.56	2.26	23.82	<=30	Pass
	1732.5	1	24	21.61	2.26	23.87	<=30	Pass
			0	20.88	2.26	23.14	<=30	Pass
			6	20.83	2.26	23.09	<=30	Pass
		12	13	20.82	2.26	23.08	<=30	Pass
			0	20.83	2.26	23.09	<=30	Pass
			0	21.09	2.26	23.35	<=30	Pass
		1	13	21.02	2.26	23.28	<=30	Pass
			24	21.09	2.26	23.35	<=30	Pass
			0	20.64	2.26	22.90	<=30	Pass
	1752.5	12	6	20.66	2.26	22.92	<=30	Pass
			13	20.68	2.26	22.94	<=30	Pass
			0	20.73	2.26	22.99	<=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	22.21	2.26	24.47	<=30	Pass
			25	22.18	2.26	24.44	<=30	Pass
			49	22.28	2.26	24.54	<=30	Pass
		25	0	21.64	2.26	23.90	<=30	Pass
			13	21.71	2.26	23.97	<=30	Pass
			25	21.86	2.26	24.12	<=30	Pass
		50	0	21.76	2.26	24.02	<=30	Pass
			0	22.25	2.26	24.51	<=30	Pass
			25	22.29	2.26	24.55	<=30	Pass
	1732.5	1	49	22.29	2.26	24.55	<=30	Pass
			0	21.82	2.26	24.08	<=30	Pass
			13	21.82	2.26	24.08	<=30	Pass
		25	25	21.75	2.26	24.01	<=30	Pass
			0	21.81	2.26	24.07	<=30	Pass
			0	22.20	2.26	24.46	<=30	Pass
		1	25	22.15	2.26	24.41	<=30	Pass
			49	22.19	2.26	24.45	<=30	Pass
			0	21.63	2.26	23.89	<=30	Pass

16QAM	1715	50	13	21.66	2.26	23.92	<=30	Pass
			25	21.73	2.26	23.99	<=30	Pass
			0	21.72	2.26	23.98	<=30	Pass
		1	0	21.24	2.26	23.50	<=30	Pass
			25	21.19	2.26	23.45	<=30	Pass
			49	21.33	2.26	23.59	<=30	Pass
		12	0	21.74	2.26	24.00	<=30	Pass
			19	21.75	2.26	24.01	<=30	Pass
			38	21.85	2.26	24.11	<=30	Pass
		27	0	20.62	2.26	22.88	<=30	Pass
	1732.5	1	0	21.51	2.26	23.77	<=30	Pass
			25	21.50	2.26	23.76	<=30	Pass
			49	21.51	2.26	23.77	<=30	Pass
		12	0	21.79	2.26	24.05	<=30	Pass
			19	21.80	2.26	24.06	<=30	Pass
			38	21.75	2.26	24.01	<=30	Pass
		27	0	20.84	2.26	23.10	<=30	Pass
	1750	1	0	21.76	2.26	24.02	<=30	Pass
			25	21.71	2.26	23.97	<=30	Pass
			49	21.74	2.26	24.00	<=30	Pass
		12	0	21.74	2.26	24.00	<=30	Pass
			19	21.68	2.26	23.94	<=30	Pass
			38	21.79	2.26	24.05	<=30	Pass
		27	23	20.70	2.26	22.96	<=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	22.06	2.26	24.32	<=30	Pass
			38	22.14	2.26	24.40	<=30	Pass
			74	22.16	2.26	24.42	<=30	Pass
		36	0	21.58	2.26	23.84	<=30	Pass
			18	21.68	2.26	23.94	<=30	Pass
			39	21.83	2.26	24.09	<=30	Pass
		75	0	21.74	2.26	24.00	<=30	Pass
	1732.5	1	0	22.13	2.26	24.39	<=30	Pass
			38	22.23	2.26	24.49	<=30	Pass
			74	22.21	2.26	24.47	<=30	Pass
		36	0	21.77	2.26	24.03	<=30	Pass
			18	21.74	2.26	24.00	<=30	Pass
			39	21.70	2.26	23.96	<=30	Pass
		75	0	21.74	2.26	24.00	<=30	Pass
	1747.5	1	0	22.13	2.26	24.39	<=30	Pass
			38	22.22	2.26	24.48	<=30	Pass
			74	22.11	2.26	24.37	<=30	Pass
		36	0	21.67	2.26	23.93	<=30	Pass
			18	21.63	2.26	23.89	<=30	Pass
			39	21.70	2.26	23.96	<=30	Pass
		75	0	21.73	2.26	23.99	<=30	Pass
16QAM	1717.5	1	0	21.50	2.26	23.76	<=30	Pass
			38	21.56	2.26	23.82	<=30	Pass
			74	21.66	2.26	23.92	<=30	Pass
		12	0	21.57	2.26	23.83	<=30	Pass
			31	21.67	2.26	23.93	<=30	Pass
			63	21.73	2.26	23.99	<=30	Pass

		27	0	20.59	2.26	22.85	<=30	Pass
		1	0	21.38	2.26	23.64	<=30	Pass
			38	21.45	2.26	23.71	<=30	Pass
			74	21.41	2.26	23.67	<=30	Pass
		12	0	21.74	2.26	24.00	<=30	Pass
			31	21.80	2.26	24.06	<=30	Pass
			63	21.75	2.26	24.01	<=30	Pass
		27	0	20.80	2.26	23.06	<=30	Pass
	1747.5	1	0	21.73	2.26	23.99	<=30	Pass
			38	21.81	2.26	24.07	<=30	Pass
			74	21.70	2.26	23.96	<=30	Pass
		12	0	21.72	2.26	23.98	<=30	Pass
			31	21.72	2.26	23.98	<=30	Pass
			63	21.72	2.26	23.98	<=30	Pass
		27	48	20.66	2.26	22.92	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	22.09	2.26	24.35	<=30	Pass
			50	22.19	2.26	24.45	<=30	Pass
			99	22.21	2.26	24.47	<=30	Pass
		50	0	21.56	2.26	23.82	<=30	Pass
			25	21.79	2.26	24.05	<=30	Pass
			50	21.94	2.26	24.20	<=30	Pass
		100	0	21.77	2.26	24.03	<=30	Pass
	1732.5	1	0	22.20	2.26	24.46	<=30	Pass
			50	22.31	2.26	24.57	<=30	Pass
			99	22.18	2.26	24.44	<=30	Pass
		50	0	21.76	2.26	24.02	<=30	Pass
			25	21.81	2.26	24.07	<=30	Pass
			50	21.74	2.26	24.00	<=30	Pass
		100	0	21.72	2.26	23.98	<=30	Pass
	1745	1	0	22.21	2.26	24.47	<=30	Pass
			50	22.25	2.26	24.51	<=30	Pass
			99	22.12	2.26	24.38	<=30	Pass
		50	0	21.73	2.26	23.99	<=30	Pass
			25	21.76	2.26	24.02	<=30	Pass
			50	21.77	2.26	24.03	<=30	Pass
		100	0	21.76	2.26	24.02	<=30	Pass
16QAM	1720	1	0	21.69	2.26	23.95	<=30	Pass
			50	21.79	2.26	24.05	<=30	Pass
			99	21.85	2.26	24.11	<=30	Pass
		12	0	21.62	2.26	23.88	<=30	Pass
			44	21.74	2.26	24.00	<=30	Pass
			88	21.75	2.26	24.01	<=30	Pass
		27	0	20.55	2.26	22.81	<=30	Pass
	1732.5	1	0	21.44	2.26	23.70	<=30	Pass
			50	21.52	2.26	23.78	<=30	Pass
			99	21.40	2.26	23.66	<=30	Pass
		12	0	21.68	2.26	23.94	<=30	Pass
			44	21.79	2.26	24.05	<=30	Pass
			88	21.65	2.26	23.91	<=30	Pass
		27	0	20.67	2.26	22.93	<=30	Pass
	1745	1	0	21.53	2.26	23.79	<=30	Pass

		12	50	21.54	2.26	23.80	<=30	Pass
			99	21.44	2.26	23.70	<=30	Pass
			0	21.76	2.26	24.02	<=30	Pass
			44	21.72	2.26	23.98	<=30	Pass
			88	21.68	2.26	23.94	<=30	Pass
		27	73	20.65	2.26	22.91	<=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	3.15	10.343	0.0060	-2.5 to 2.5	Pass
					3.70	3.805	0.0022	-2.5 to 2.5	Pass
					4.26	3.018	0.0018	-2.5 to 2.5	Pass
				-30	3.70	5.722	0.0033	-2.5 to 2.5	Pass
				-20	3.70	5.236	0.0031	-2.5 to 2.5	Pass
				-10	3.70	0.329	0.0002	-2.5 to 2.5	Pass
				0	3.70	4.234	0.0025	-2.5 to 2.5	Pass
				10	3.70	0.343	0.0002	-2.5 to 2.5	Pass
				30	3.70	13.289	0.0078	-2.5 to 2.5	Pass
				40	3.70	3.605	0.0021	-2.5 to 2.5	Pass
				50	3.70	6.180	0.0036	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.15	3.276	0.0019	-2.5 to 2.5	Pass
					3.70	4.635	0.0027	-2.5 to 2.5	Pass
					4.26	2.890	0.0017	-2.5 to 2.5	Pass
				-30	3.70	2.589	0.0015	-2.5 to 2.5	Pass
				-20	3.70	-2.789	-0.0016	-2.5 to 2.5	Pass
				-10	3.70	12.174	0.0070	-2.5 to 2.5	Pass
				0	3.70	5.364	0.0031	-2.5 to 2.5	Pass
				10	3.70	12.660	0.0073	-2.5 to 2.5	Pass
				30	3.70	3.705	0.0021	-2.5 to 2.5	Pass
				40	3.70	1.974	0.0011	-2.5 to 2.5	Pass
				50	3.70	5.608	0.0032	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.15	-4.721	-0.0027	-2.5 to 2.5	Pass
					3.70	7.710	0.0044	-2.5 to 2.5	Pass
					4.26	2.589	0.0015	-2.5 to 2.5	Pass
				-30	3.70	-6.137	-0.0035	-2.5 to 2.5	Pass
				-20	3.70	9.570	0.0055	-2.5 to 2.5	Pass
				-10	3.70	5.207	0.0030	-2.5 to 2.5	Pass
				0	3.70	-4.349	-0.0025	-2.5 to 2.5	Pass
				10	3.70	1.330	0.0008	-2.5 to 2.5	Pass
				30	3.70	11.930	0.0068	-2.5 to 2.5	Pass
				40	3.70	5.608	0.0032	-2.5 to 2.5	Pass
				50	3.70	7.882	0.0045	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.15	-2.732	-0.0016	-2.5 to 2.5	Pass
					3.70	-0.730	-0.0004	-2.5 to 2.5	Pass
					4.26	2.403	0.0014	-2.5 to 2.5	Pass
				-30	3.70	-0.715	-0.0004	-2.5 to 2.5	Pass
				-20	3.70	6.208	0.0036	-2.5 to 2.5	Pass
				-10	3.70	1.445	0.0008	-2.5 to 2.5	Pass

				0	3.70	10.414	0.0061	-2.5 to 2.5	Pass
				10	3.70	2.918	0.0017	-2.5 to 2.5	Pass
				30	3.70	-5.622	-0.0033	-2.5 to 2.5	Pass
				40	3.70	10.557	0.0062	-2.5 to 2.5	Pass
				50	3.70	11.072	0.0065	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.15	3.848	0.0022	-2.5 to 2.5	Pass
					3.70	4.277	0.0025	-2.5 to 2.5	Pass
					4.26	-9.027	-0.0052	-2.5 to 2.5	Pass
				-30	3.70	-2.890	-0.0017	-2.5 to 2.5	Pass
				-20	3.70	-1.516	-0.0009	-2.5 to 2.5	Pass
				-10	3.70	0.801	0.0005	-2.5 to 2.5	Pass
				0	3.70	3.734	0.0022	-2.5 to 2.5	Pass
				10	3.70	3.004	0.0017	-2.5 to 2.5	Pass
				30	3.70	-3.619	-0.0021	-2.5 to 2.5	Pass
				40	3.70	7.639	0.0044	-2.5 to 2.5	Pass
				50	3.70	-2.217	-0.0013	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.15	11.330	0.0065	-2.5 to 2.5	Pass
					3.70	1.717	0.0010	-2.5 to 2.5	Pass
					4.26	9.799	0.0056	-2.5 to 2.5	Pass
				-30	3.70	10.614	0.0061	-2.5 to 2.5	Pass
				-20	3.70	8.683	0.0049	-2.5 to 2.5	Pass
				-10	3.70	7.696	0.0044	-2.5 to 2.5	Pass
				0	3.70	2.203	0.0013	-2.5 to 2.5	Pass
				10	3.70	1.874	0.0011	-2.5 to 2.5	Pass
				30	3.70	9.642	0.0055	-2.5 to 2.5	Pass
				40	3.70	1.903	0.0011	-2.5 to 2.5	Pass
				50	3.70	3.562	0.0020	-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	3.15	-9.298	-0.0054	-2.5 to 2.5	Pass
					3.70	-5.465	-0.0032	-2.5 to 2.5	Pass
					4.26	-9.899	-0.0058	-2.5 to 2.5	Pass
				-30	3.70	-2.060	-0.0012	-2.5 to 2.5	Pass
				-20	3.70	1.373	0.0008	-2.5 to 2.5	Pass
				-10	3.70	-2.990	-0.0017	-2.5 to 2.5	Pass
				0	3.70	-2.704	-0.0016	-2.5 to 2.5	Pass
				10	3.70	5.851	0.0034	-2.5 to 2.5	Pass
				30	3.70	-1.359	-0.0008	-2.5 to 2.5	Pass
				40	3.70	-0.172	-0.0001	-2.5 to 2.5	Pass
				50	3.70	-6.351	-0.0037	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.15	4.063	0.0023	-2.5 to 2.5	Pass
					3.70	4.592	0.0027	-2.5 to 2.5	Pass
					4.26	9.055	0.0052	-2.5 to 2.5	Pass
				-30	3.70	7.696	0.0044	-2.5 to 2.5	Pass
				-20	3.70	7.696	0.0044	-2.5 to 2.5	Pass
				-10	3.70	6.595	0.0038	-2.5 to 2.5	Pass
				0	3.70	-3.862	-0.0022	-2.5 to 2.5	Pass
				10	3.70	3.977	0.0023	-2.5 to 2.5	Pass
				30	3.70	10.743	0.0062	-2.5 to 2.5	Pass
				40	3.70	0.243	0.0001	-2.5 to 2.5	Pass
				50	3.70	-3.390	-0.0020	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.15	1.416	0.0008	-2.5 to 2.5	Pass
					3.70	-2.561	-0.0015	-2.5 to 2.5	Pass
					4.26	-0.386	-0.0002	-2.5 to 2.5	Pass

				-30	3.70	-5.836	-0.0033	-2.5 to 2.5	Pass
				-20	3.70	5.035	0.0029	-2.5 to 2.5	Pass
				-10	3.70	10.943	0.0062	-2.5 to 2.5	Pass
				0	3.70	2.275	0.0013	-2.5 to 2.5	Pass
				10	3.70	1.745	0.0010	-2.5 to 2.5	Pass
				30	3.70	8.626	0.0049	-2.5 to 2.5	Pass
				40	3.70	-6.480	-0.0037	-2.5 to 2.5	Pass
				50	3.70	7.868	0.0045	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.15	-4.363	-0.0025	-2.5 to 2.5	Pass
					3.70	-3.777	-0.0022	-2.5 to 2.5	Pass
					4.26	-0.243	-0.0001	-2.5 to 2.5	Pass
				-30	3.70	-1.731	-0.0010	-2.5 to 2.5	Pass
				-20	3.70	-0.157	-0.0001	-2.5 to 2.5	Pass
				-10	3.70	-5.436	-0.0032	-2.5 to 2.5	Pass
				0	3.70	0.901	0.0005	-2.5 to 2.5	Pass
				10	3.70	3.190	0.0019	-2.5 to 2.5	Pass
				30	3.70	1.345	0.0008	-2.5 to 2.5	Pass
				40	3.70	1.817	0.0011	-2.5 to 2.5	Pass
				50	3.70	3.920	0.0023	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.15	6.237	0.0036	-2.5 to 2.5	Pass
					3.70	1.903	0.0011	-2.5 to 2.5	Pass
					4.26	11.587	0.0067	-2.5 to 2.5	Pass
				-30	3.70	-1.130	-0.0007	-2.5 to 2.5	Pass
				-20	3.70	10.028	0.0058	-2.5 to 2.5	Pass
				-10	3.70	7.296	0.0042	-2.5 to 2.5	Pass
				0	3.70	5.150	0.0030	-2.5 to 2.5	Pass
				10	3.70	11.115	0.0064	-2.5 to 2.5	Pass
				30	3.70	3.862	0.0022	-2.5 to 2.5	Pass
				40	3.70	8.698	0.0050	-2.5 to 2.5	Pass
				50	3.70	-1.416	-0.0008	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.15	-0.715	-0.0004	-2.5 to 2.5	Pass
					3.70	-2.260	-0.0013	-2.5 to 2.5	Pass
					4.26	8.912	0.0051	-2.5 to 2.5	Pass
				-30	3.70	0.615	0.0004	-2.5 to 2.5	Pass
				-20	3.70	6.094	0.0035	-2.5 to 2.5	Pass
				-10	3.70	3.605	0.0021	-2.5 to 2.5	Pass
				0	3.70	-1.702	-0.0010	-2.5 to 2.5	Pass
				10	3.70	3.819	0.0022	-2.5 to 2.5	Pass
				30	3.70	-0.329	-0.0002	-2.5 to 2.5	Pass
				40	3.70	-4.048	-0.0023	-2.5 to 2.5	Pass
				50	3.70	5.436	0.0031	-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	3.15	0.873	0.0005	-2.5 to 2.5	Pass
					3.70	6.781	0.0040	-2.5 to 2.5	Pass
					4.26	2.589	0.0015	-2.5 to 2.5	Pass
				-30	3.70	6.266	0.0037	-2.5 to 2.5	Pass
				-20	3.70	2.832	0.0017	-2.5 to 2.5	Pass
				-10	3.70	1.602	0.0009	-2.5 to 2.5	Pass
				0	3.70	0.415	0.0002	-2.5 to 2.5	Pass
				10	3.70	7.439	0.0043	-2.5 to 2.5	Pass
				30	3.70	2.389	0.0014	-2.5 to 2.5	Pass
				40	3.70	0.772	0.0005	-2.5 to 2.5	Pass
				50	3.70	4.735	0.0028	-2.5 to 2.5	Pass

	1732.5	25	0	20	3.15	2.131	0.0012	-2.5 to 2.5	Pass
					3.70	3.333	0.0019	-2.5 to 2.5	Pass
					4.26	-0.672	-0.0004	-2.5 to 2.5	Pass
				-30	3.70	4.220	0.0024	-2.5 to 2.5	Pass
				-20	3.70	0.987	0.0006	-2.5 to 2.5	Pass
				-10	3.70	3.247	0.0019	-2.5 to 2.5	Pass
				0	3.70	2.089	0.0012	-2.5 to 2.5	Pass
				10	3.70	-3.505	-0.0020	-2.5 to 2.5	Pass
				30	3.70	6.051	0.0035	-2.5 to 2.5	Pass
				40	3.70	1.817	0.0010	-2.5 to 2.5	Pass
				50	3.70	-1.230	-0.0007	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.15	0.930	0.0005	-2.5 to 2.5	Pass
					3.70	9.155	0.0052	-2.5 to 2.5	Pass
					4.26	-0.687	-0.0004	-2.5 to 2.5	Pass
				-30	3.70	5.307	0.0030	-2.5 to 2.5	Pass
				-20	3.70	2.389	0.0014	-2.5 to 2.5	Pass
				-10	3.70	3.548	0.0020	-2.5 to 2.5	Pass
				0	3.70	1.974	0.0011	-2.5 to 2.5	Pass
				10	3.70	2.203	0.0013	-2.5 to 2.5	Pass
				30	3.70	4.048	0.0023	-2.5 to 2.5	Pass
				40	3.70	5.836	0.0033	-2.5 to 2.5	Pass
				50	3.70	3.090	0.0018	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.15	1.359	0.0008	-2.5 to 2.5	Pass
					3.70	8.268	0.0048	-2.5 to 2.5	Pass
					4.26	5.608	0.0033	-2.5 to 2.5	Pass
				-30	3.70	4.449	0.0026	-2.5 to 2.5	Pass
				-20	3.70	4.377	0.0026	-2.5 to 2.5	Pass
				-10	3.70	1.459	0.0009	-2.5 to 2.5	Pass
				0	3.70	4.663	0.0027	-2.5 to 2.5	Pass
				10	3.70	2.704	0.0016	-2.5 to 2.5	Pass
				30	3.70	6.437	0.0038	-2.5 to 2.5	Pass
				40	3.70	4.778	0.0028	-2.5 to 2.5	Pass
				50	3.70	5.536	0.0032	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.15	-0.787	-0.0005	-2.5 to 2.5	Pass
					3.70	2.489	0.0014	-2.5 to 2.5	Pass
					4.26	3.605	0.0021	-2.5 to 2.5	Pass
				-30	3.70	2.718	0.0016	-2.5 to 2.5	Pass
				-20	3.70	0.629	0.0004	-2.5 to 2.5	Pass
				-10	3.70	3.877	0.0022	-2.5 to 2.5	Pass
				0	3.70	1.559	0.0009	-2.5 to 2.5	Pass
				10	3.70	-1.116	-0.0006	-2.5 to 2.5	Pass
				30	3.70	4.635	0.0027	-2.5 to 2.5	Pass
				40	3.70	-2.589	-0.0015	-2.5 to 2.5	Pass
				50	3.70	1.674	0.0010	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.15	-0.129	-0.0001	-2.5 to 2.5	Pass
					3.70	9.441	0.0054	-2.5 to 2.5	Pass
					4.26	2.875	0.0016	-2.5 to 2.5	Pass
				-30	3.70	5.722	0.0033	-2.5 to 2.5	Pass
				-20	3.70	1.159	0.0007	-2.5 to 2.5	Pass
				-10	3.70	10.500	0.0060	-2.5 to 2.5	Pass
				0	3.70	2.332	0.0013	-2.5 to 2.5	Pass
				10	3.70	-2.332	-0.0013	-2.5 to 2.5	Pass
				30	3.70	5.279	0.0030	-2.5 to 2.5	Pass
				40	3.70	1.659	0.0009	-2.5 to 2.5	Pass
				50	3.70	1.173	0.0007	-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	3.15	1.674	0.0010	-2.5 to 2.5	Pass
					3.70	1.502	0.0009	-2.5 to 2.5	Pass
					4.26	5.965	0.0035	-2.5 to 2.5	Pass
				-30	3.70	3.362	0.0020	-2.5 to 2.5	Pass
				-20	3.70	2.317	0.0014	-2.5 to 2.5	Pass
				-10	3.70	2.589	0.0015	-2.5 to 2.5	Pass
				0	3.70	6.065	0.0035	-2.5 to 2.5	Pass
				10	3.70	4.292	0.0025	-2.5 to 2.5	Pass
				30	3.70	4.678	0.0027	-2.5 to 2.5	Pass
				40	3.70	4.506	0.0026	-2.5 to 2.5	Pass
				50	3.70	6.924	0.0040	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.15	-0.114	-0.0001	-2.5 to 2.5	Pass
					3.70	2.031	0.0012	-2.5 to 2.5	Pass
					4.26	-3.891	-0.0022	-2.5 to 2.5	Pass
				-30	3.70	0.887	0.0005	-2.5 to 2.5	Pass
				-20	3.70	-1.402	-0.0008	-2.5 to 2.5	Pass
				-10	3.70	-1.559	-0.0009	-2.5 to 2.5	Pass
				0	3.70	-1.745	-0.0010	-2.5 to 2.5	Pass
				10	3.70	-1.802	-0.0010	-2.5 to 2.5	Pass
				30	3.70	-2.646	-0.0015	-2.5 to 2.5	Pass
				40	3.70	-1.845	-0.0011	-2.5 to 2.5	Pass
				50	3.70	-2.003	-0.0012	-2.5 to 2.5	Pass
	1750	50	0	20	3.15	1.960	0.0011	-2.5 to 2.5	Pass
					3.70	-0.215	-0.0001	-2.5 to 2.5	Pass
					4.26	2.031	0.0012	-2.5 to 2.5	Pass
				-30	3.70	3.819	0.0022	-2.5 to 2.5	Pass
				-20	3.70	0.329	0.0002	-2.5 to 2.5	Pass
				-10	3.70	1.116	0.0006	-2.5 to 2.5	Pass
				0	3.70	2.031	0.0012	-2.5 to 2.5	Pass
				10	3.70	2.933	0.0017	-2.5 to 2.5	Pass
				30	3.70	5.050	0.0029	-2.5 to 2.5	Pass
				40	3.70	-2.789	-0.0016	-2.5 to 2.5	Pass
				50	3.70	2.332	0.0013	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.15	5.493	0.0032	-2.5 to 2.5	Pass
					3.70	5.379	0.0031	-2.5 to 2.5	Pass
					4.26	3.548	0.0021	-2.5 to 2.5	Pass
				-30	3.70	5.407	0.0032	-2.5 to 2.5	Pass
				-20	3.70	2.990	0.0017	-2.5 to 2.5	Pass
				-10	3.70	3.405	0.0020	-2.5 to 2.5	Pass
				0	3.70	0.958	0.0006	-2.5 to 2.5	Pass
				10	3.70	6.080	0.0035	-2.5 to 2.5	Pass
				30	3.70	7.367	0.0043	-2.5 to 2.5	Pass
				40	3.70	2.789	0.0016	-2.5 to 2.5	Pass
				50	3.70	1.788	0.0010	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.15	-3.104	-0.0018	-2.5 to 2.5	Pass
					3.70	-3.219	-0.0019	-2.5 to 2.5	Pass
					4.26	2.160	0.0012	-2.5 to 2.5	Pass
				-30	3.70	1.802	0.0010	-2.5 to 2.5	Pass
				-20	3.70	-0.587	-0.0003	-2.5 to 2.5	Pass
				-10	3.70	3.419	0.0020	-2.5 to 2.5	Pass
				0	3.70	3.262	0.0019	-2.5 to 2.5	Pass
				10	3.70	-2.346	-0.0014	-2.5 to 2.5	Pass
				30	3.70	1.545	0.0009	-2.5 to 2.5	Pass
				40	3.70	-6.695	-0.0039	-2.5 to 2.5	Pass

	1750	27	23	50	3.70	-5.922	-0.0034	-2.5 to 2.5	Pass
				20	3.15	1.416	0.0008	-2.5 to 2.5	Pass
					3.70	1.931	0.0011	-2.5 to 2.5	Pass
					4.26	0.687	0.0004	-2.5 to 2.5	Pass
				-30	3.70	-1.445	-0.0008	-2.5 to 2.5	Pass
				-20	3.70	-0.644	-0.0004	-2.5 to 2.5	Pass
				-10	3.70	1.860	0.0011	-2.5 to 2.5	Pass
				0	3.70	1.445	0.0008	-2.5 to 2.5	Pass
				10	3.70	2.146	0.0012	-2.5 to 2.5	Pass
				30	3.70	1.073	0.0006	-2.5 to 2.5	Pass
				40	3.70	3.891	0.0022	-2.5 to 2.5	Pass
				50	3.70	1.445	0.0008	-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	3.15	-0.916	-0.0005	-2.5 to 2.5	Pass
					3.70	0.072	0.0000	-2.5 to 2.5	Pass
					4.26	0.157	0.0001	-2.5 to 2.5	Pass
				-30	3.70	2.146	0.0012	-2.5 to 2.5	Pass
				-20	3.70	2.446	0.0014	-2.5 to 2.5	Pass
				-10	3.70	1.302	0.0008	-2.5 to 2.5	Pass
				0	3.70	1.531	0.0009	-2.5 to 2.5	Pass
				10	3.70	0.687	0.0004	-2.5 to 2.5	Pass
				30	3.70	2.146	0.0012	-2.5 to 2.5	Pass
				40	3.70	0.257	0.0001	-2.5 to 2.5	Pass
				50	3.70	1.845	0.0011	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.15	2.632	0.0015	-2.5 to 2.5	Pass
					3.70	2.947	0.0017	-2.5 to 2.5	Pass
					4.26	0.186	0.0001	-2.5 to 2.5	Pass
				-30	3.70	0.629	0.0004	-2.5 to 2.5	Pass
				-20	3.70	0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.70	1.788	0.0010	-2.5 to 2.5	Pass
				0	3.70	1.531	0.0009	-2.5 to 2.5	Pass
				10	3.70	-0.901	-0.0005	-2.5 to 2.5	Pass
				30	3.70	1.345	0.0008	-2.5 to 2.5	Pass
				40	3.70	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.70	-0.329	-0.0002	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.15	4.077	0.0023	-2.5 to 2.5	Pass
					3.70	4.907	0.0028	-2.5 to 2.5	Pass
					4.26	3.719	0.0021	-2.5 to 2.5	Pass
				-30	3.70	7.367	0.0042	-2.5 to 2.5	Pass
				-20	3.70	9.656	0.0055	-2.5 to 2.5	Pass
				-10	3.70	5.736	0.0033	-2.5 to 2.5	Pass
				0	3.70	6.280	0.0036	-2.5 to 2.5	Pass
				10	3.70	4.878	0.0028	-2.5 to 2.5	Pass
				30	3.70	7.997	0.0046	-2.5 to 2.5	Pass
				40	3.70	7.839	0.0045	-2.5 to 2.5	Pass
				50	3.70	5.307	0.0030	-2.5 to 2.5	Pass
16QAM	1717.5	27	0	20	3.15	4.749	0.0028	-2.5 to 2.5	Pass
					3.70	2.861	0.0017	-2.5 to 2.5	Pass
					4.26	1.545	0.0009	-2.5 to 2.5	Pass
				-30	3.70	-1.073	-0.0006	-2.5 to 2.5	Pass
				-20	3.70	4.406	0.0026	-2.5 to 2.5	Pass
				-10	3.70	2.732	0.0016	-2.5 to 2.5	Pass
				0	3.70	3.891	0.0023	-2.5 to 2.5	Pass

				10	3.70	4.406	0.0026	-2.5 to 2.5	Pass
				30	3.70	0.343	0.0002	-2.5 to 2.5	Pass
				40	3.70	4.663	0.0027	-2.5 to 2.5	Pass
				50	3.70	-0.529	-0.0003	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.15	2.003	0.0012	-2.5 to 2.5	Pass
					3.70	0.615	0.0004	-2.5 to 2.5	Pass
					4.26	-0.844	-0.0005	-2.5 to 2.5	Pass
				-30	3.70	2.875	0.0017	-2.5 to 2.5	Pass
				-20	3.70	0.858	0.0005	-2.5 to 2.5	Pass
				-10	3.70	-1.087	-0.0006	-2.5 to 2.5	Pass
				0	3.70	-0.157	-0.0001	-2.5 to 2.5	Pass
				10	3.70	3.748	0.0022	-2.5 to 2.5	Pass
				30	3.70	-3.147	-0.0018	-2.5 to 2.5	Pass
				40	3.70	2.632	0.0015	-2.5 to 2.5	Pass
				50	3.70	2.246	0.0013	-2.5 to 2.5	Pass
	1747.5	27	48	20	3.15	3.376	0.0019	-2.5 to 2.5	Pass
					3.70	5.794	0.0033	-2.5 to 2.5	Pass
					4.26	5.536	0.0032	-2.5 to 2.5	Pass
				-30	3.70	6.537	0.0037	-2.5 to 2.5	Pass
				-20	3.70	4.520	0.0026	-2.5 to 2.5	Pass
				-10	3.70	0.973	0.0006	-2.5 to 2.5	Pass
				0	3.70	5.507	0.0032	-2.5 to 2.5	Pass
				10	3.70	5.693	0.0033	-2.5 to 2.5	Pass
				30	3.70	4.206	0.0024	-2.5 to 2.5	Pass
				40	3.70	6.266	0.0036	-2.5 to 2.5	Pass
				50	3.70	4.792	0.0027	-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	3.15	0.544	0.0003	-2.5 to 2.5	Pass
					3.70	0.229	0.0001	-2.5 to 2.5	Pass
					4.26	3.734	0.0022	-2.5 to 2.5	Pass
				-30	3.70	1.631	0.0009	-2.5 to 2.5	Pass
				-20	3.70	2.303	0.0013	-2.5 to 2.5	Pass
				-10	3.70	0.515	0.0003	-2.5 to 2.5	Pass
				0	3.70	1.044	0.0006	-2.5 to 2.5	Pass
				10	3.70	-2.060	-0.0012	-2.5 to 2.5	Pass
				30	3.70	-0.701	-0.0004	-2.5 to 2.5	Pass
				40	3.70	1.130	0.0007	-2.5 to 2.5	Pass
				50	3.70	2.117	0.0012	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.15	0.229	0.0001	-2.5 to 2.5	Pass
					3.70	2.189	0.0013	-2.5 to 2.5	Pass
					4.26	0.386	0.0002	-2.5 to 2.5	Pass
				-30	3.70	0.715	0.0004	-2.5 to 2.5	Pass
				-20	3.70	3.662	0.0021	-2.5 to 2.5	Pass
				-10	3.70	5.393	0.0031	-2.5 to 2.5	Pass
				0	3.70	0.887	0.0005	-2.5 to 2.5	Pass
				10	3.70	1.731	0.0010	-2.5 to 2.5	Pass
				30	3.70	0.372	0.0002	-2.5 to 2.5	Pass
				40	3.70	4.406	0.0025	-2.5 to 2.5	Pass
				50	3.70	2.203	0.0013	-2.5 to 2.5	Pass
	1745	100	0	20	3.15	0.529	0.0003	-2.5 to 2.5	Pass
					3.70	1.230	0.0007	-2.5 to 2.5	Pass
					4.26	1.302	0.0007	-2.5 to 2.5	Pass
				-30	3.70	2.518	0.0014	-2.5 to 2.5	Pass

16QAM	1720	27	0	-20	3.70	2.246	0.0013	-2.5 to 2.5	Pass
				-10	3.70	2.332	0.0013	-2.5 to 2.5	Pass
				0	3.70	-1.659	-0.0010	-2.5 to 2.5	Pass
				10	3.70	1.574	0.0009	-2.5 to 2.5	Pass
				30	3.70	3.333	0.0019	-2.5 to 2.5	Pass
				40	3.70	3.648	0.0021	-2.5 to 2.5	Pass
				50	3.70	-0.029	0.0000	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.15	3.991	0.0023	-2.5 to 2.5	Pass
					3.70	3.376	0.0020	-2.5 to 2.5	Pass
					4.26	-2.675	-0.0016	-2.5 to 2.5	Pass
				-30	3.70	-1.130	-0.0007	-2.5 to 2.5	Pass
				-20	3.70	-1.273	-0.0007	-2.5 to 2.5	Pass
				-10	3.70	0.401	0.0002	-2.5 to 2.5	Pass
				0	3.70	3.819	0.0022	-2.5 to 2.5	Pass
				10	3.70	-0.930	-0.0005	-2.5 to 2.5	Pass
				30	3.70	1.216	0.0007	-2.5 to 2.5	Pass
				40	3.70	1.144	0.0007	-2.5 to 2.5	Pass
				50	3.70	2.990	0.0017	-2.5 to 2.5	Pass
				20	3.15	5.364	0.0031	-2.5 to 2.5	Pass
					3.70	0.572	0.0003	-2.5 to 2.5	Pass
					4.26	3.719	0.0021	-2.5 to 2.5	Pass
	1745	27	73	-30	3.70	2.661	0.0015	-2.5 to 2.5	Pass
				-20	3.70	3.033	0.0018	-2.5 to 2.5	Pass
				-10	3.70	2.832	0.0016	-2.5 to 2.5	Pass
				0	3.70	7.010	0.0040	-2.5 to 2.5	Pass
				10	3.70	2.260	0.0013	-2.5 to 2.5	Pass
				30	3.70	2.246	0.0013	-2.5 to 2.5	Pass
				40	3.70	1.302	0.0008	-2.5 to 2.5	Pass
				50	3.70	0.844	0.0005	-2.5 to 2.5	Pass
				20	3.15	4.349	0.0025	-2.5 to 2.5	Pass
					3.70	0.558	0.0003	-2.5 to 2.5	Pass
					4.26	-4.334	-0.0025	-2.5 to 2.5	Pass
				-30	3.70	4.177	0.0024	-2.5 to 2.5	Pass
				-20	3.70	3.304	0.0019	-2.5 to 2.5	Pass
				-10	3.70	2.089	0.0012	-2.5 to 2.5	Pass
				0	3.70	4.535	0.0026	-2.5 to 2.5	Pass
				10	3.70	1.073	0.0006	-2.5 to 2.5	Pass
				30	3.70	2.832	0.0016	-2.5 to 2.5	Pass
				40	3.70	-2.890	-0.0017	-2.5 to 2.5	Pass
				50	3.70	-1.087	-0.0006	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTN						
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 / NTNV						
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	27	0	Refer To Test Graph		Pass

3.1.5 B4_15MHz

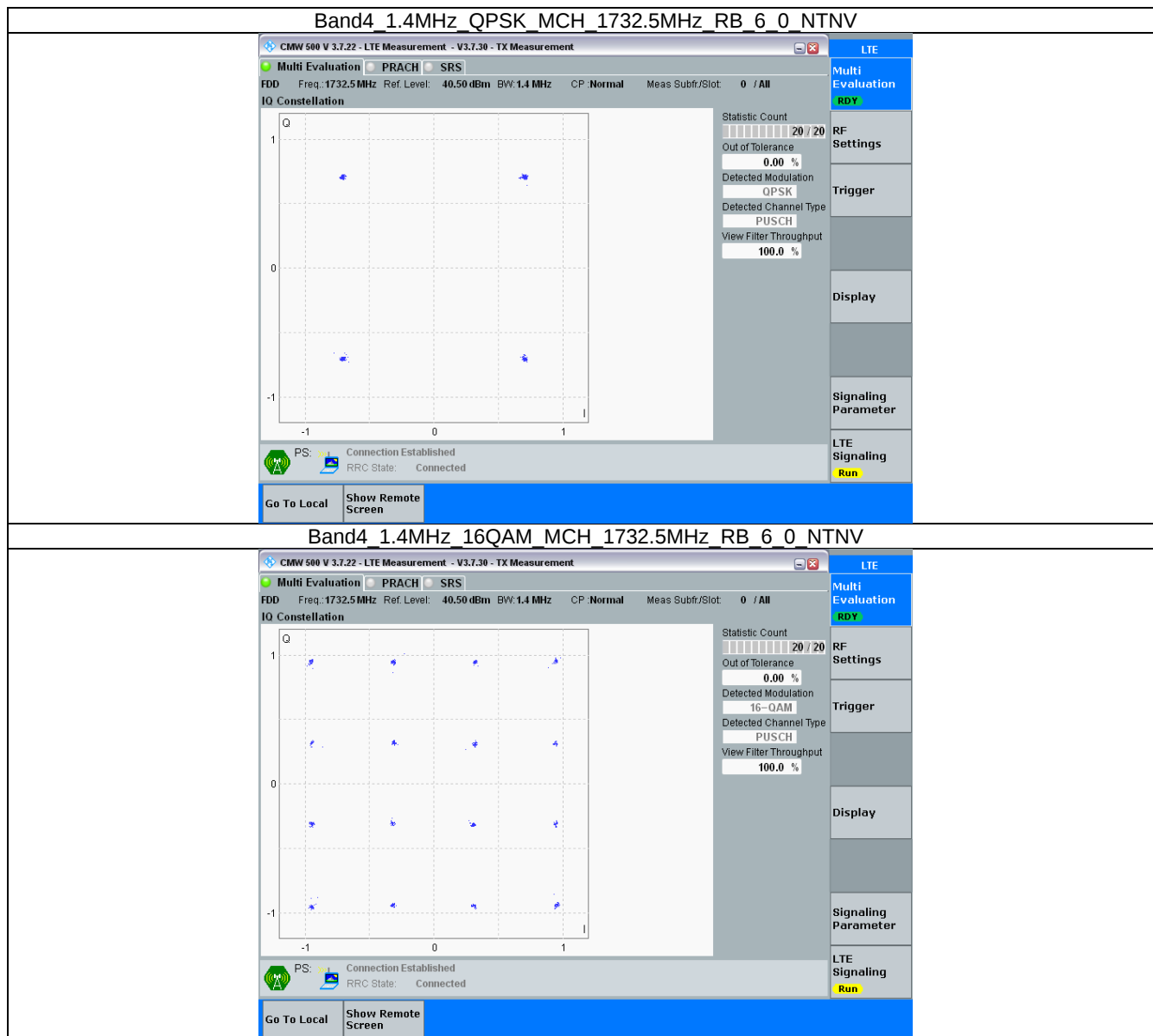
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

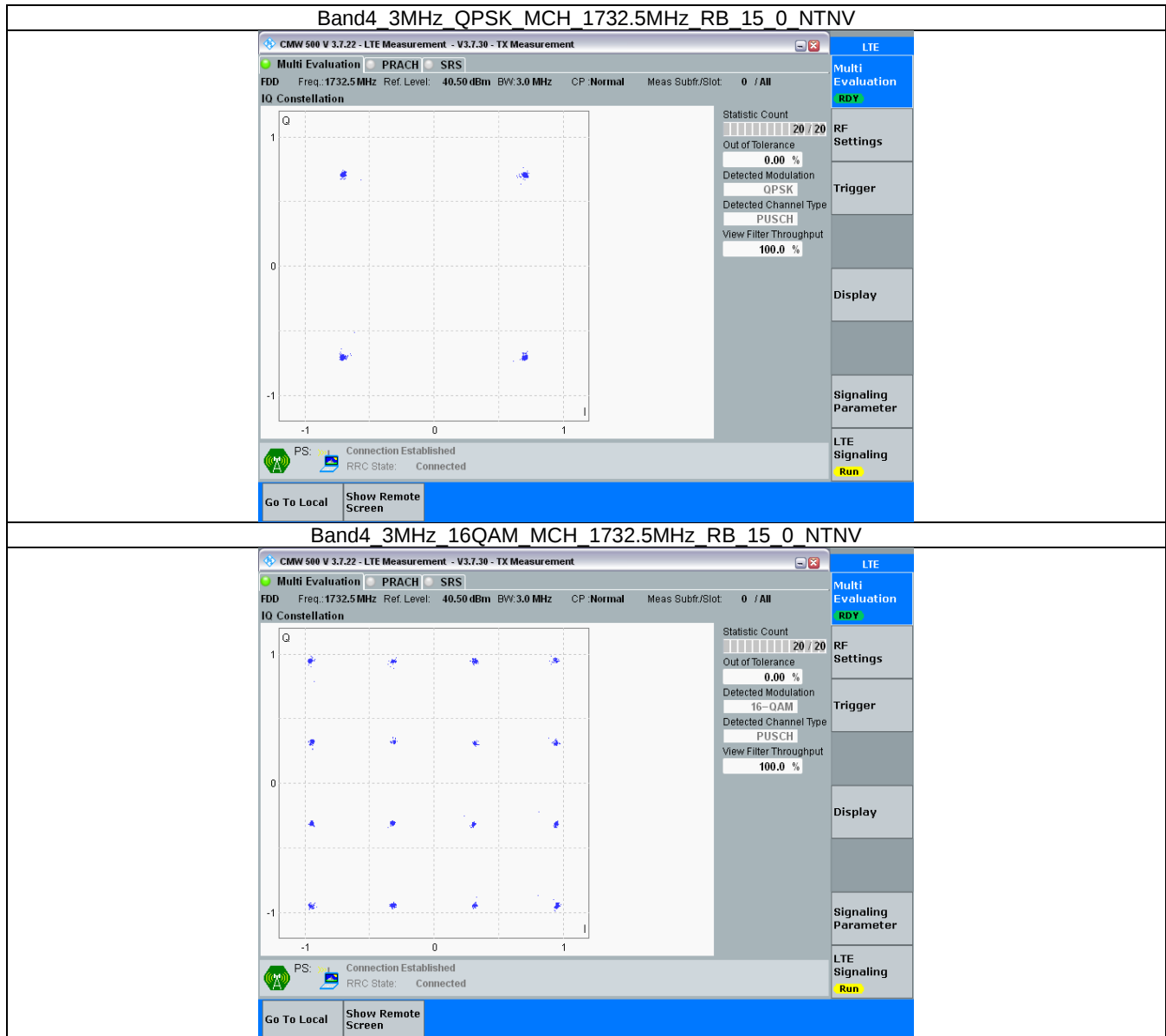
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.2 Test Graph

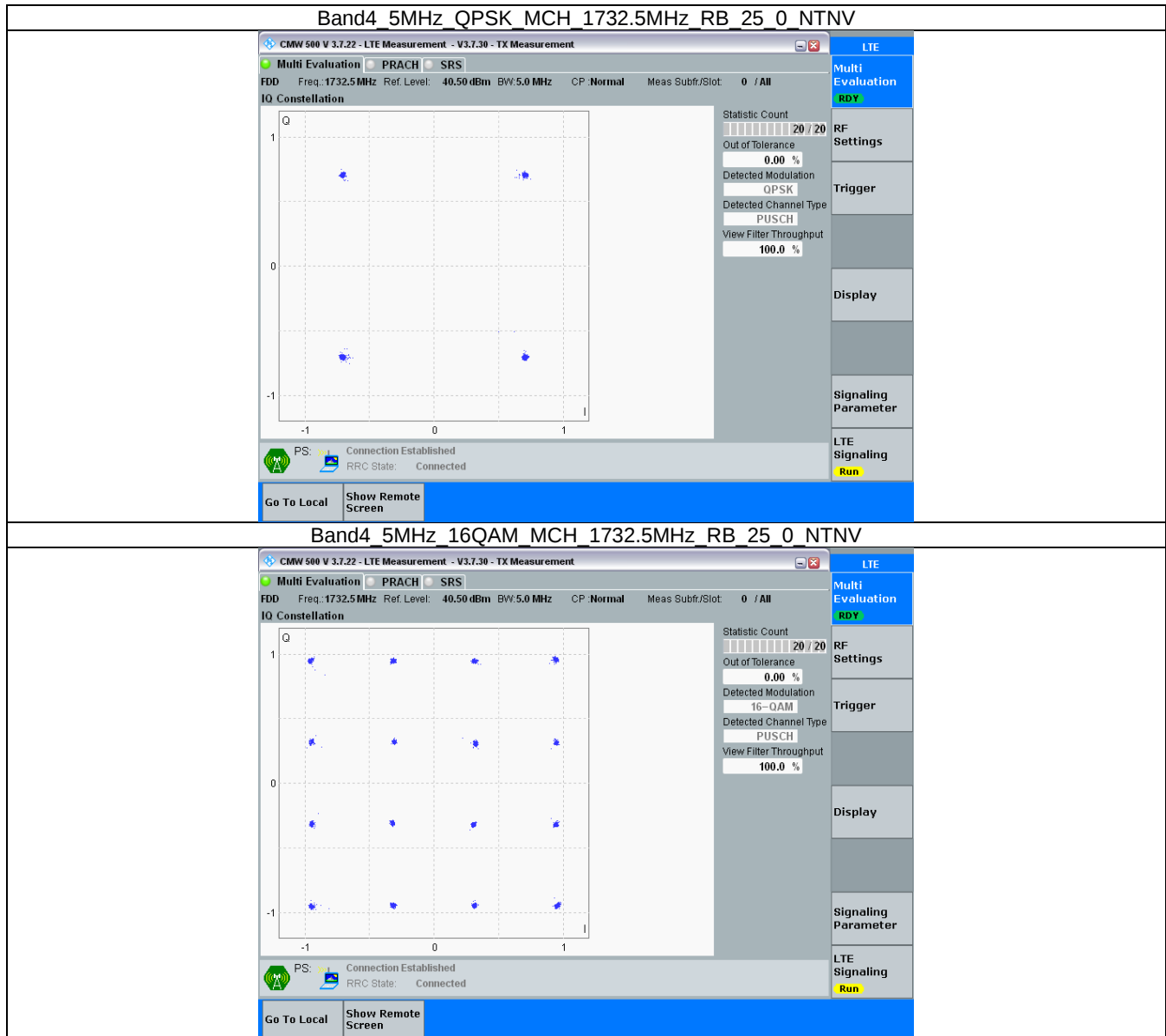
3.2.1 B4_1.4MHz



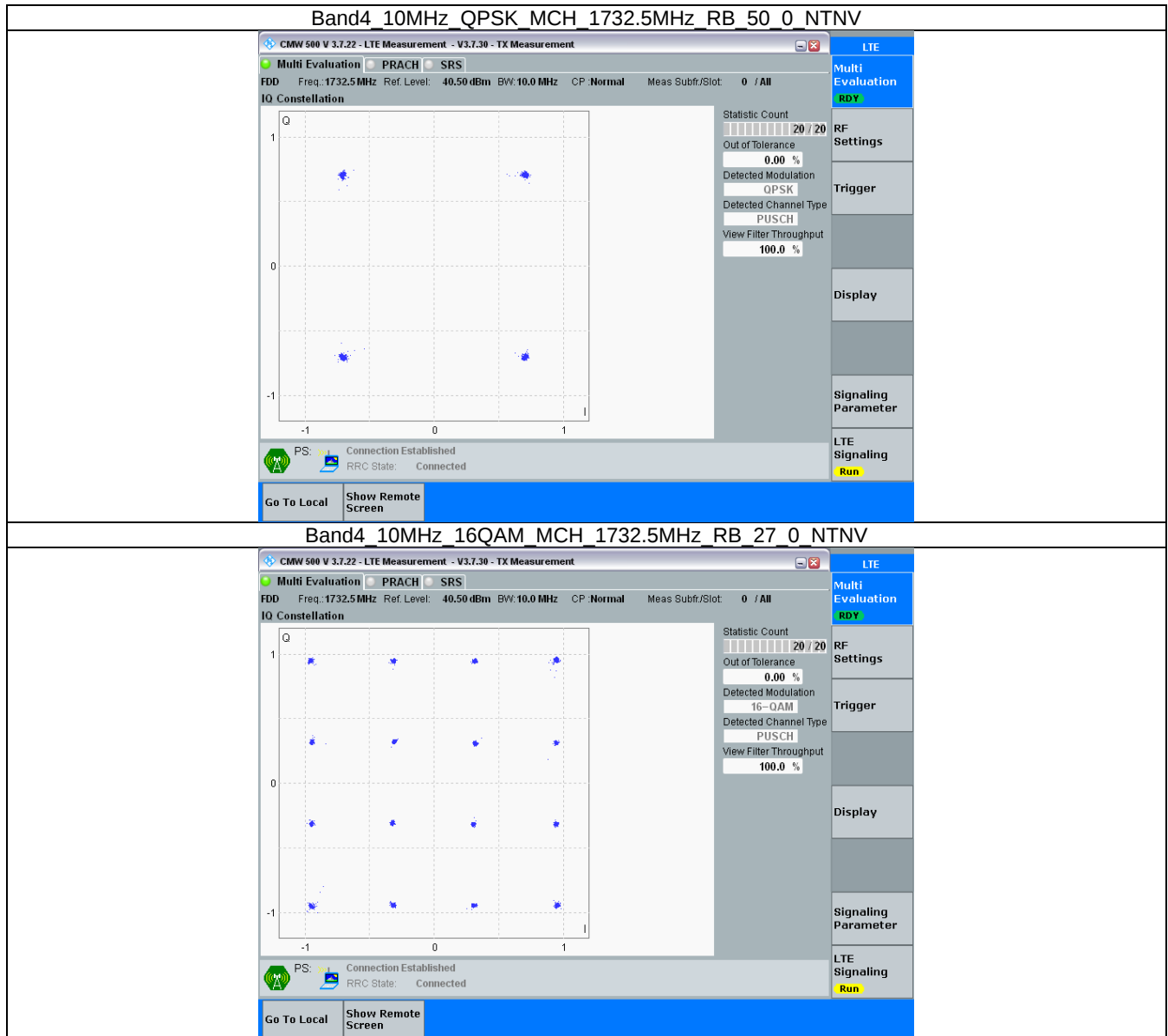
3.2.2 B4_3MHz



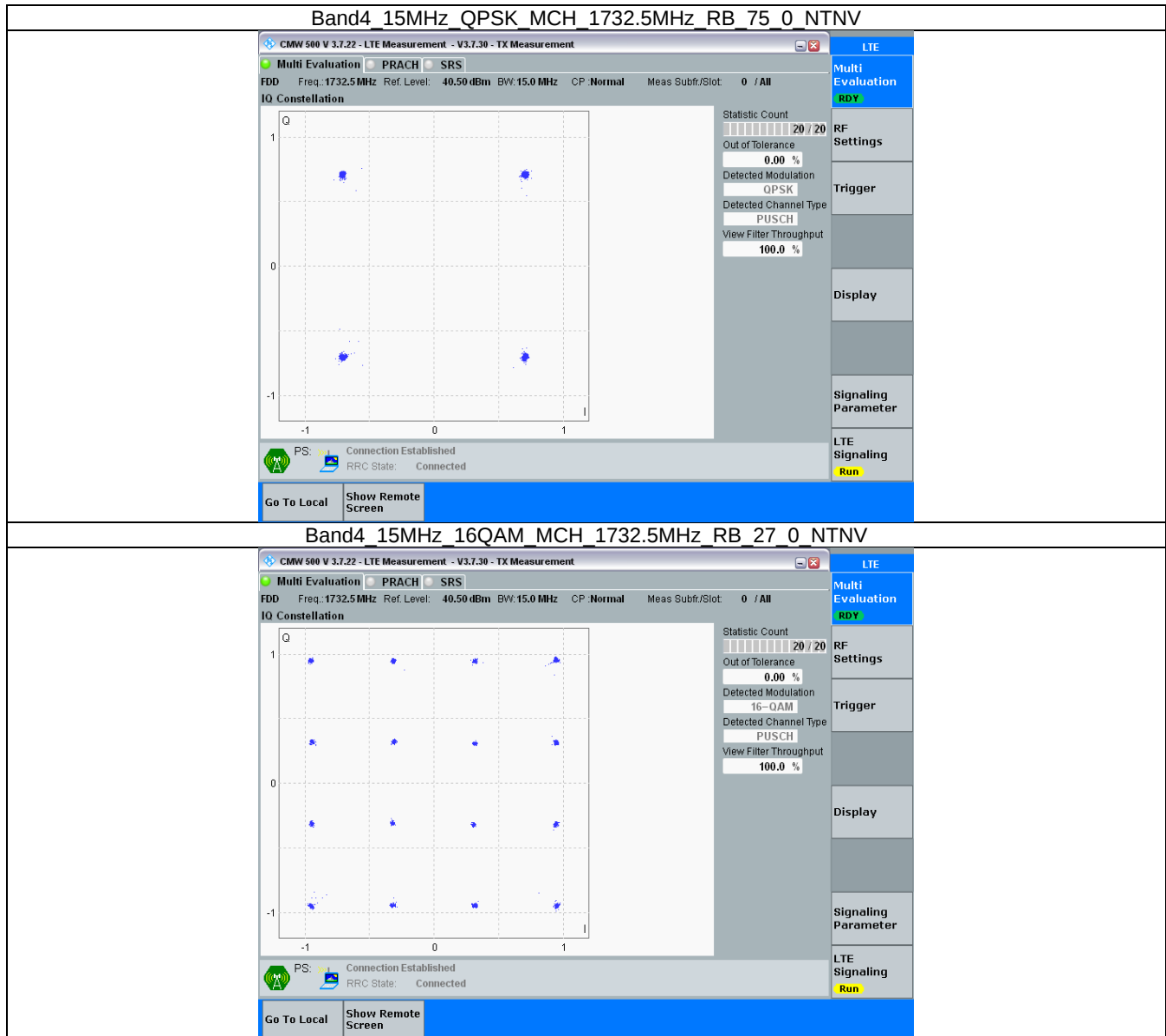
3.2.3 B4_5MHz



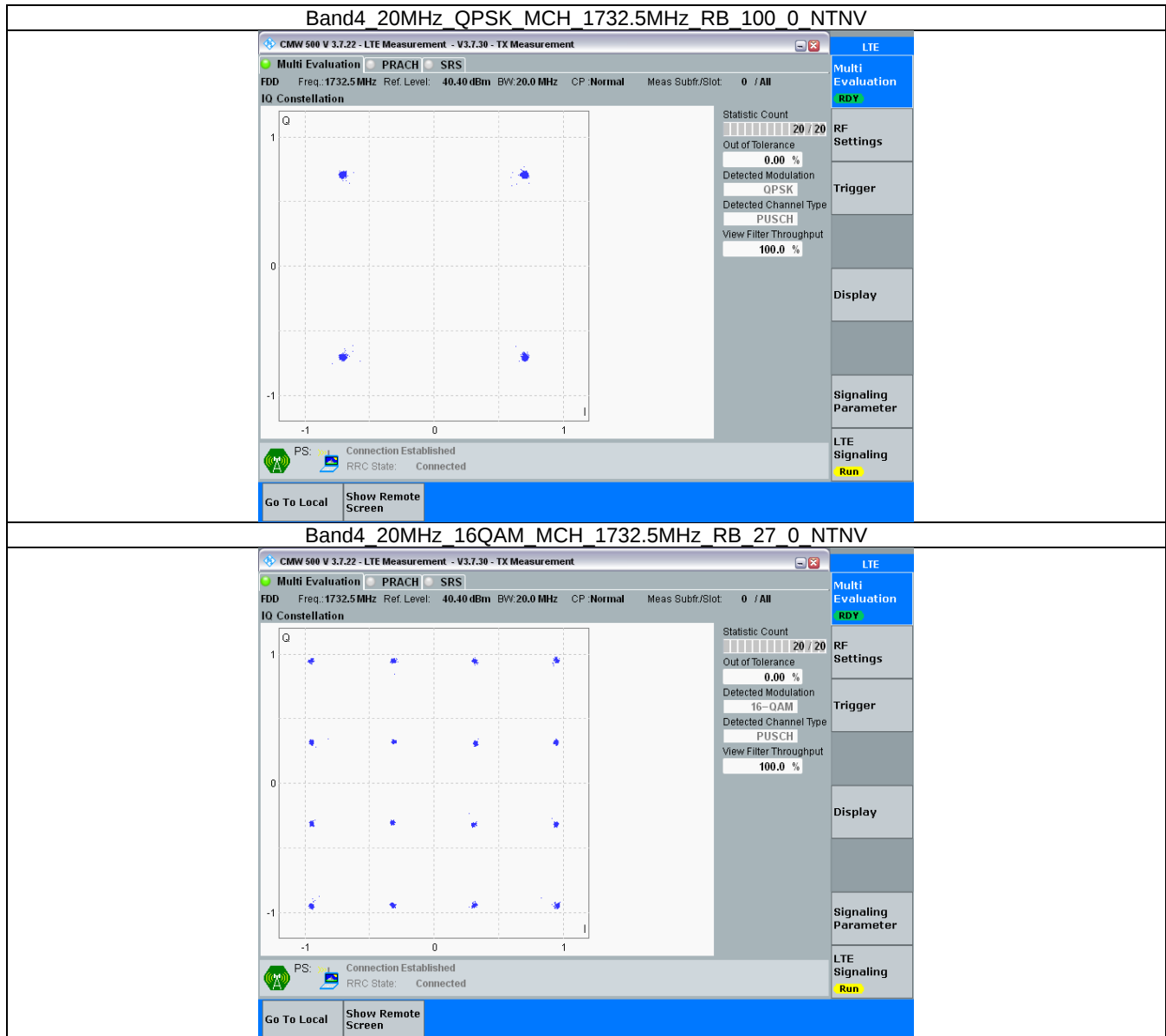
3.2.4 B4_10MHz



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	1.113	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.125	/	Pass
	16QAM	1710.7	6	0	1.105	/	Pass
		1732.5	6	0	1.116	/	Pass
		1754.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.729	/	Pass
		1732.5	15	0	2.741	/	Pass
		1753.5	15	0	2.732	/	Pass
	16QAM	1711.5	15	0	2.733	/	Pass
		1732.5	15	0	2.729	/	Pass
		1753.5	15	0	2.738	/	Pass
5	QPSK	1712.5	25	0	4.537	/	Pass
		1732.5	25	0	4.535	/	Pass
		1752.5	25	0	4.561	/	Pass
	16QAM	1712.5	25	0	4.550	/	Pass
		1732.5	25	0	4.557	/	Pass
		1752.5	25	0	4.533	/	Pass
10	QPSK	1715	50	0	9.084	/	Pass
		1732.5	50	0	9.023	/	Pass
		1750	50	0	9.058	/	Pass
	16QAM	1715	27	0	5.084	/	Pass
		1732.5	27	0	5.050	/	Pass
		1750	27	23	5.100	/	Pass
15	QPSK	1717.5	75	0	13.579	/	Pass
		1732.5	75	0	13.549	/	Pass
		1747.5	75	0	13.576	/	Pass
	16QAM	1717.5	27	0	5.431	/	Pass
		1732.5	27	0	5.323	/	Pass
		1747.5	27	48	5.281	/	Pass
20	QPSK	1720	100	0	18.051	/	Pass
		1732.5	100	0	17.995	/	Pass
		1745	100	0	18.139	/	Pass
	16QAM	1720	27	0	5.571	/	Pass
		1732.5	27	0	5.520	/	Pass
		1745	27	73	5.489	/	Pass

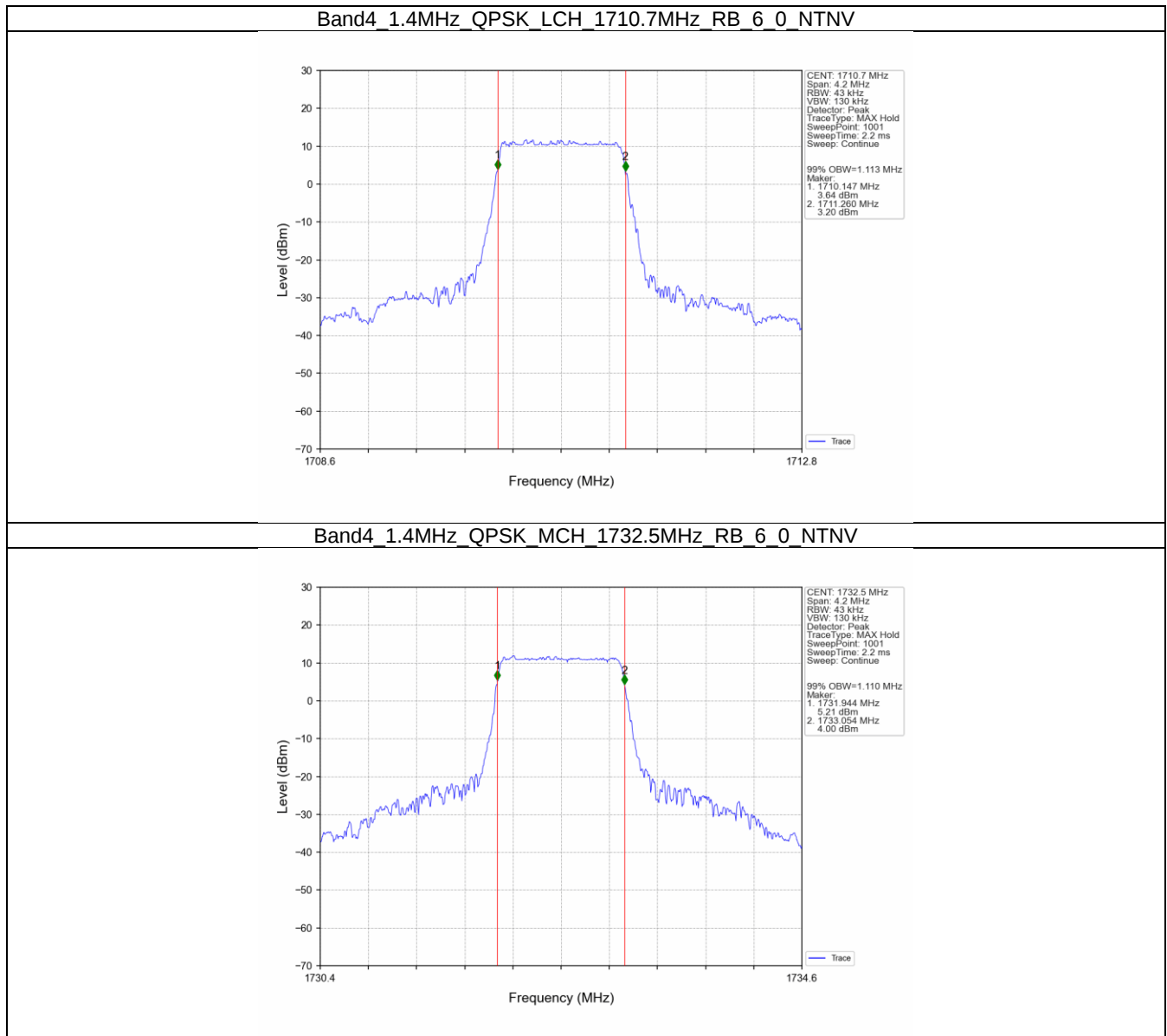
4.1.2 Band4_XDB

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	1.337	/	Pass
		1732.5	6	0	1.316	/	Pass
		1754.3	6	0	1.316	/	Pass

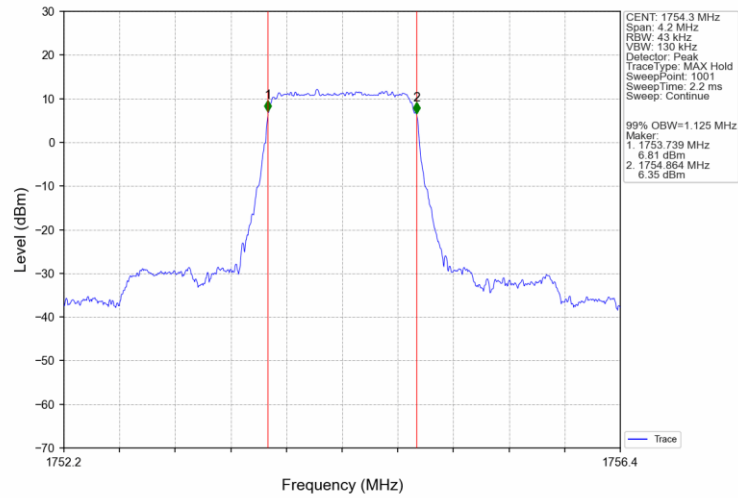
	16QAM	1710.7	6	0	1.310	/	Pass
		1732.5	6	0	1.341	/	Pass
		1754.3	6	0	1.336	/	Pass
3	QPSK	1711.5	15	0	3.021	/	Pass
		1732.5	15	0	3.003	/	Pass
		1753.5	15	0	3.017	/	Pass
	16QAM	1711.5	15	0	3.023	/	Pass
		1732.5	15	0	3.018	/	Pass
		1753.5	15	0	2.997	/	Pass
5	QPSK	1712.5	25	0	5.054	/	Pass
		1732.5	25	0	5.101	/	Pass
		1752.5	25	0	5.057	/	Pass
	16QAM	1712.5	25	0	5.054	/	Pass
		1732.5	25	0	5.052	/	Pass
		1752.5	25	0	5.032	/	Pass
10	QPSK	1715	50	0	9.957	/	Pass
		1732.5	50	0	9.897	/	Pass
		1750	50	0	9.995	/	Pass
	16QAM	1715	27	0	6.173	/	Pass
		1732.5	27	0	6.028	/	Pass
		1750	27	23	6.056	/	Pass
15	QPSK	1717.5	75	0	14.910	/	Pass
		1732.5	75	0	14.905	/	Pass
		1747.5	75	0	15.018	/	Pass
	16QAM	1717.5	27	0	6.772	/	Pass
		1732.5	27	0	6.683	/	Pass
		1747.5	27	48	6.578	/	Pass
20	QPSK	1720	100	0	19.768	/	Pass
		1732.5	100	0	19.796	/	Pass
		1745	100	0	19.721	/	Pass
	16QAM	1720	27	0	6.962	/	Pass
		1732.5	27	0	6.949	/	Pass
		1745	27	73	7.049	/	Pass

4.2 Test Graph

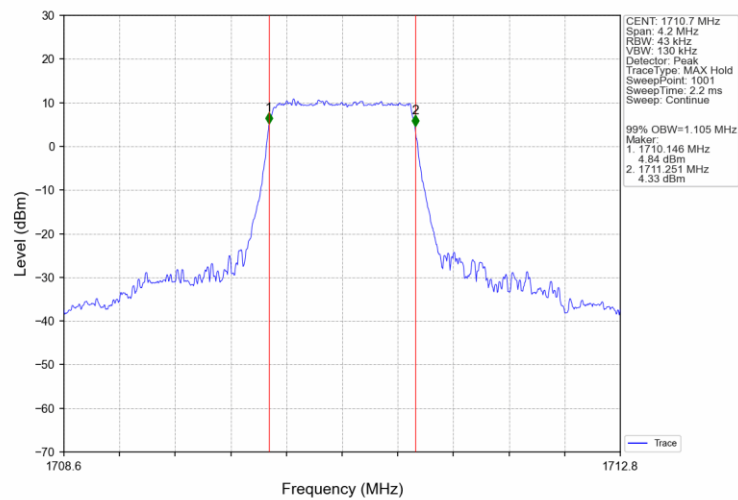
4.2.1 Band4_OBW



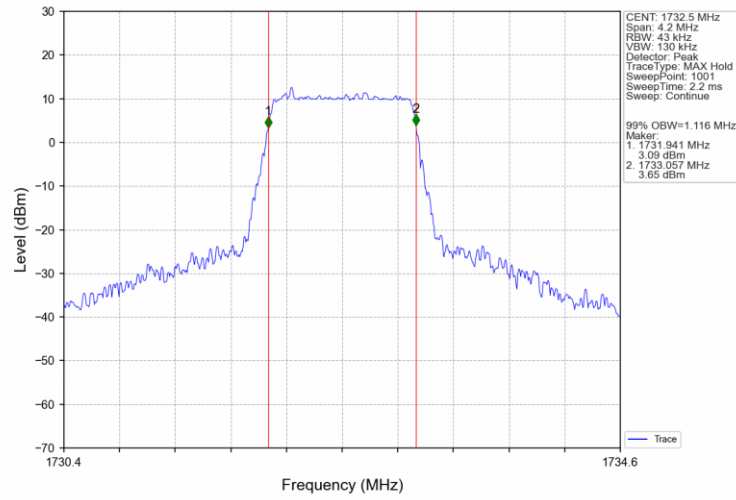
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



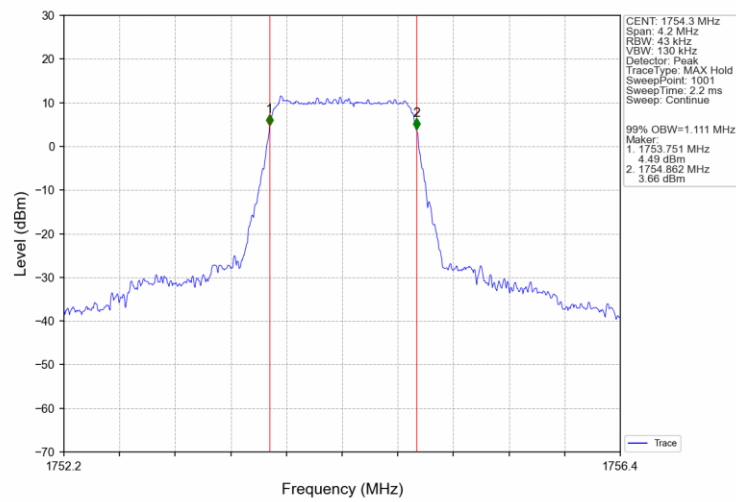
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



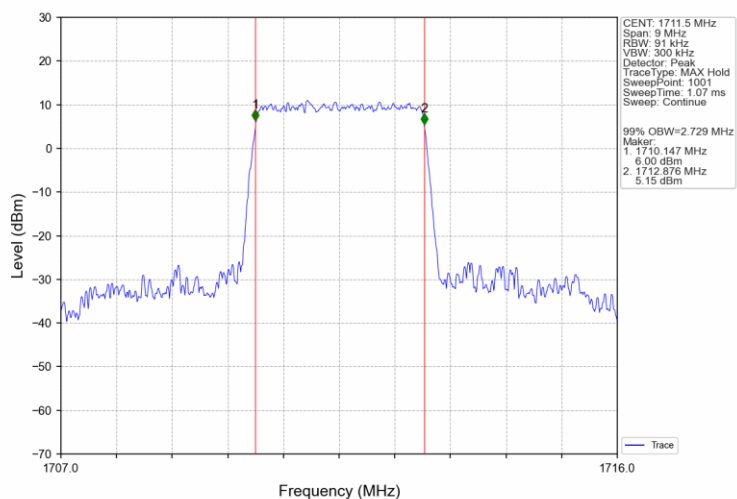
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



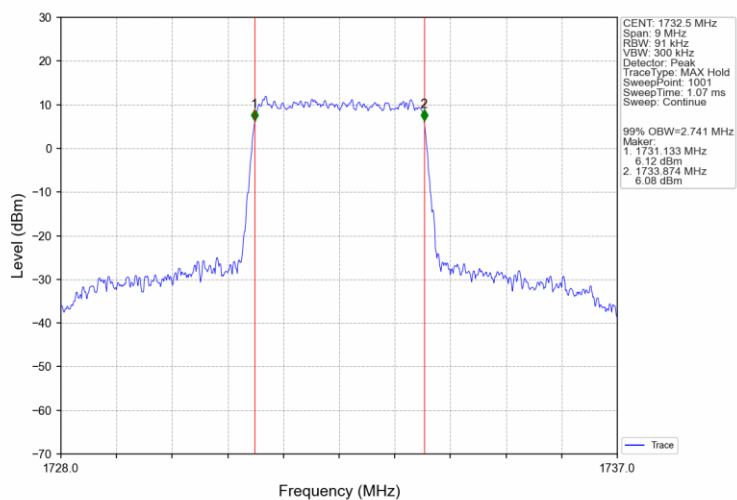
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



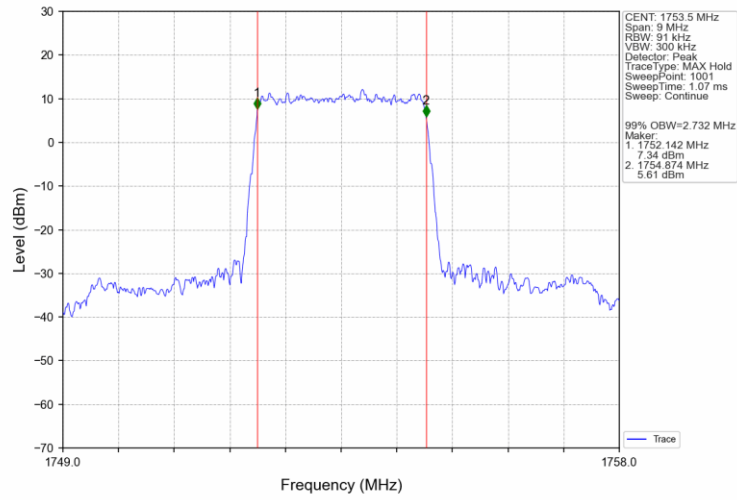
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



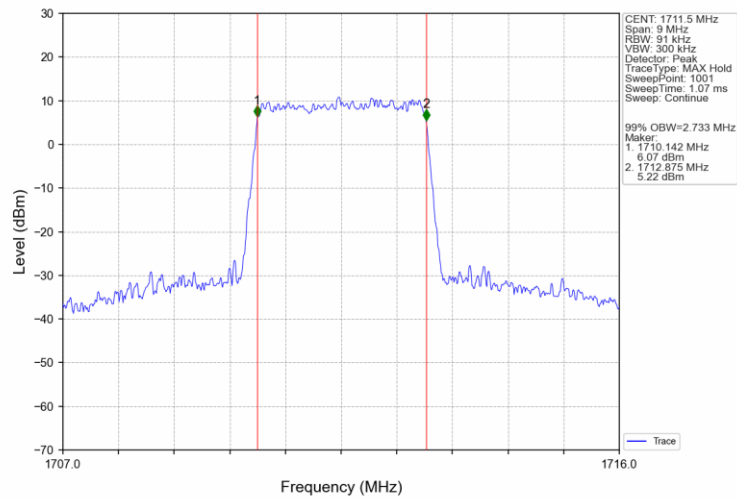
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



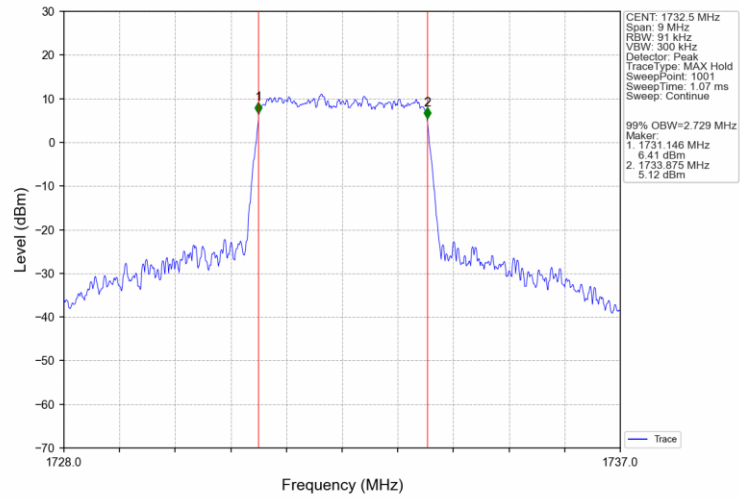
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



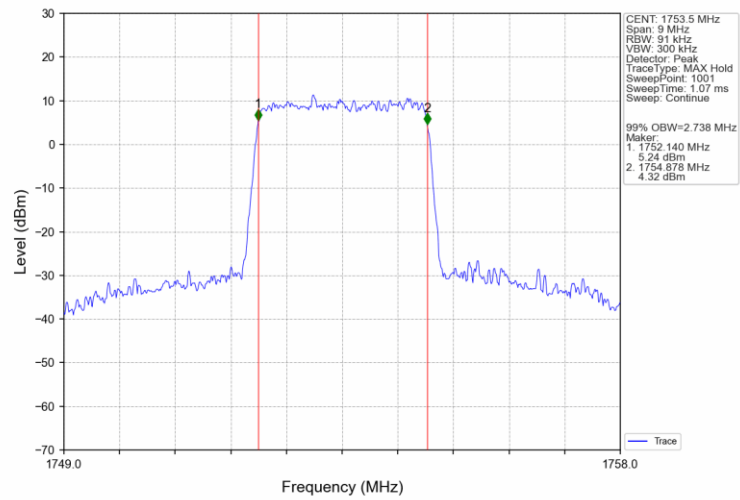
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



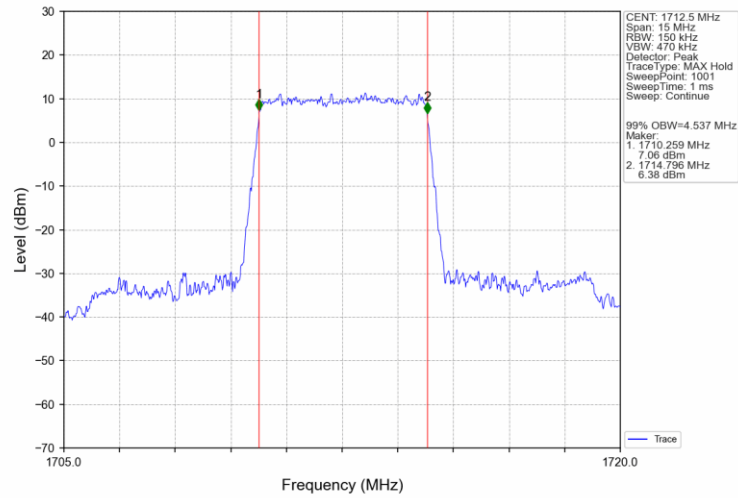
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



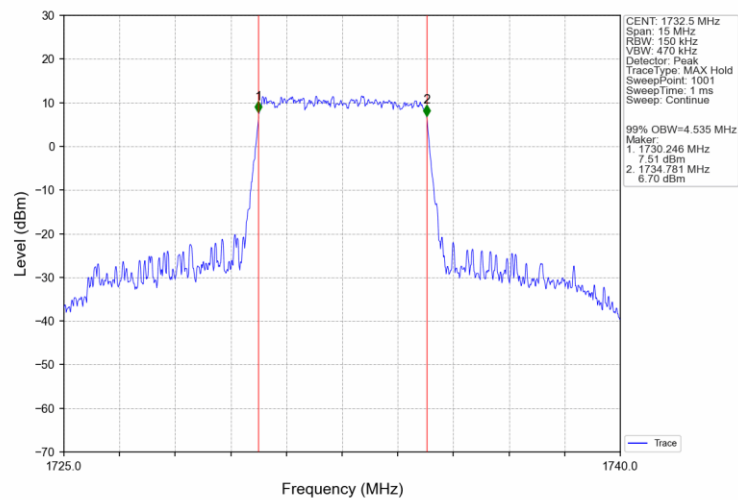
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



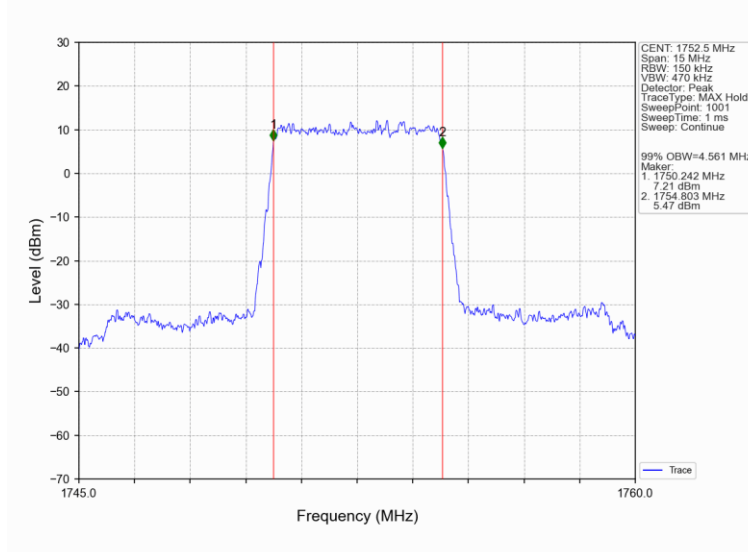
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



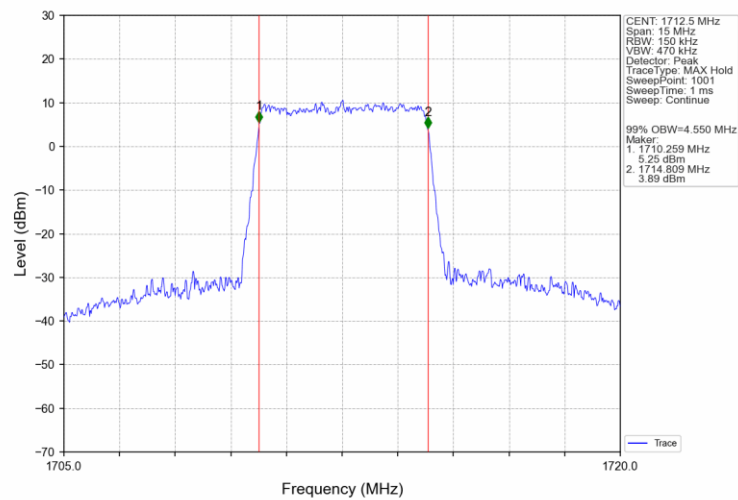
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



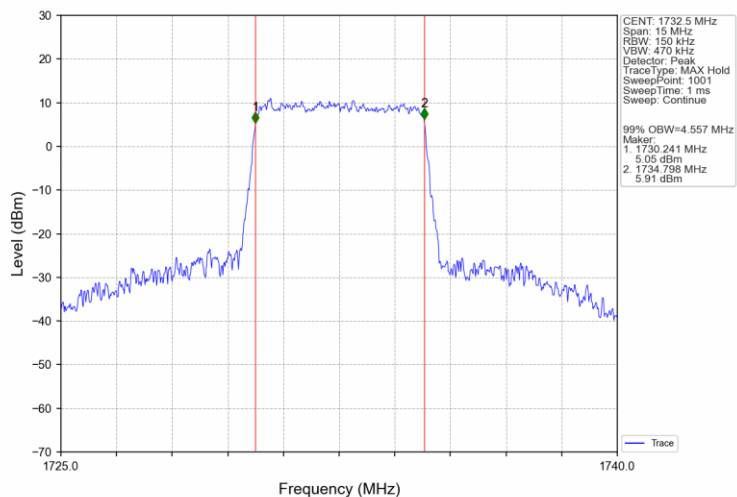
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



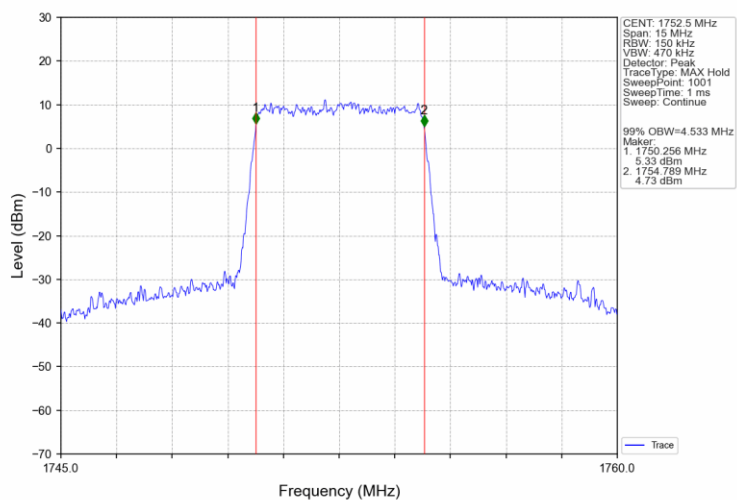
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



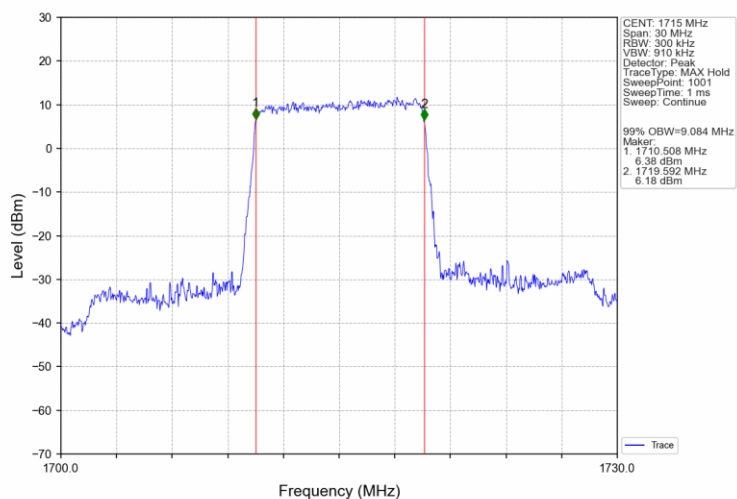
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



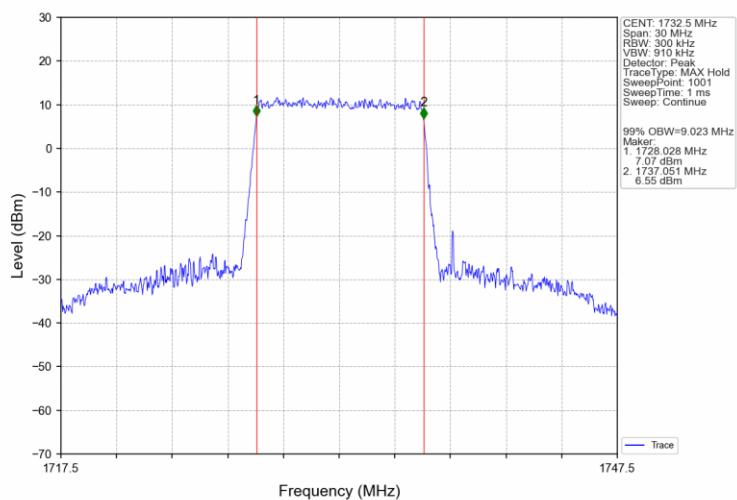
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



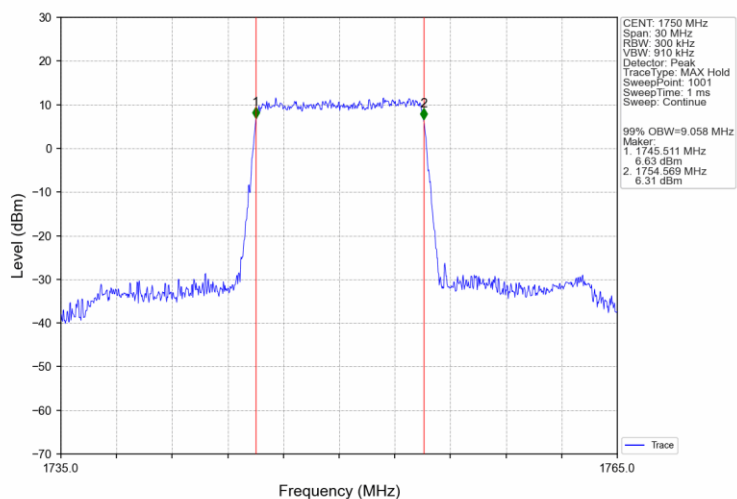
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



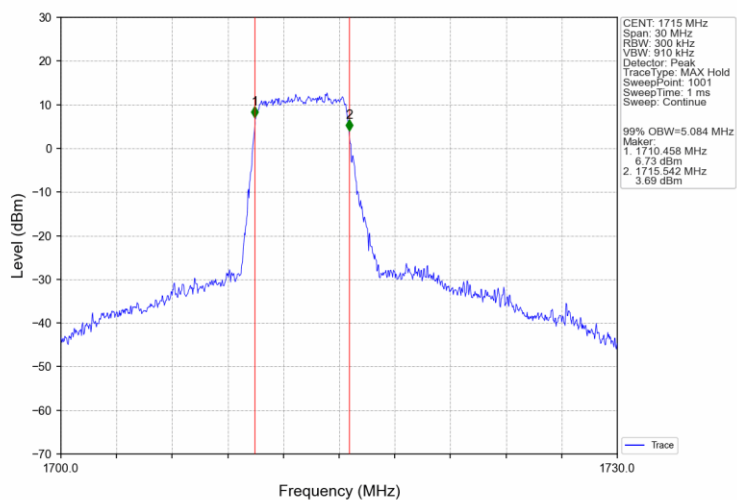
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



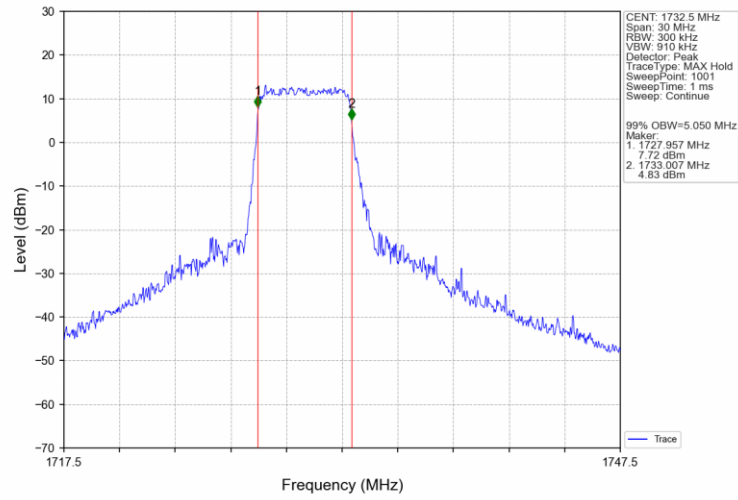
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



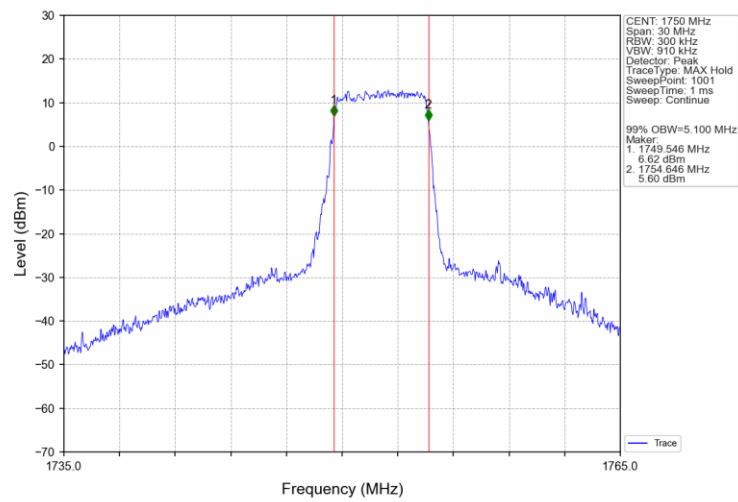
Band4 10MHz 16QAM LCH 1715MHz RB 27 0 NTNV



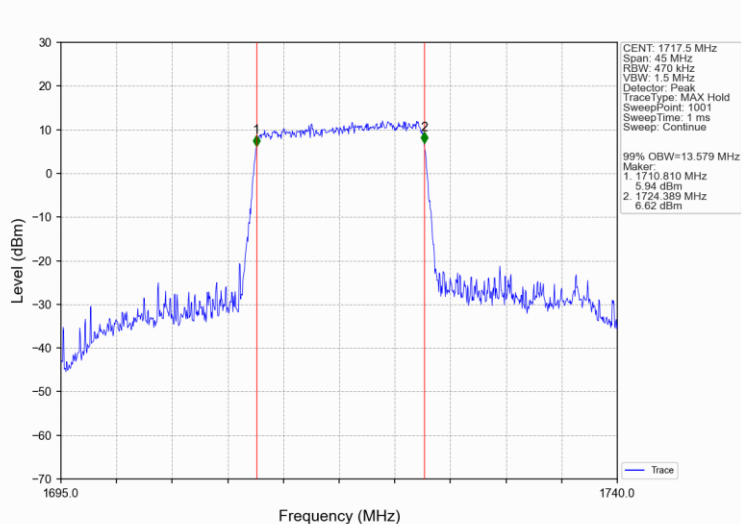
Band4 10MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



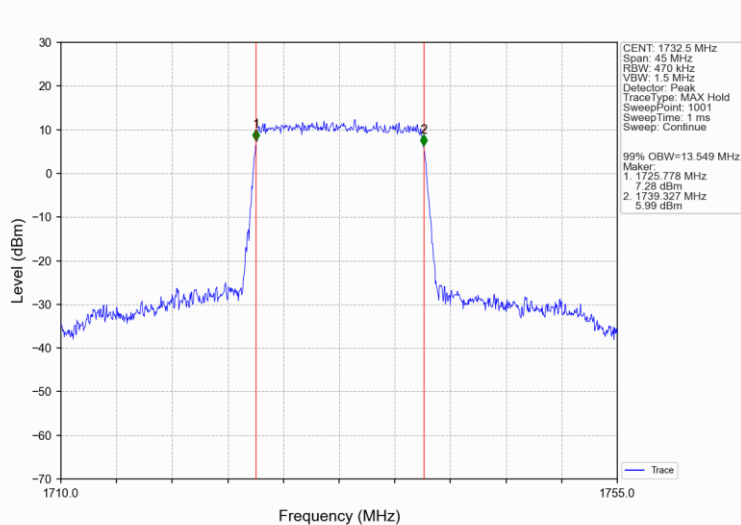
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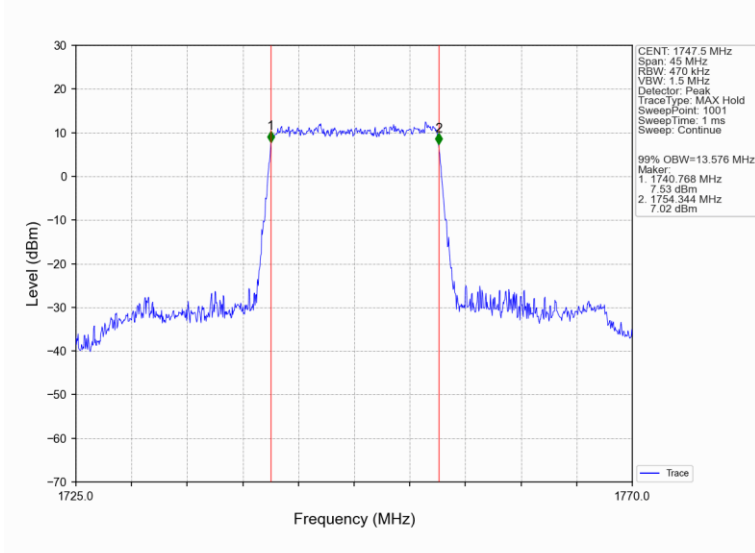
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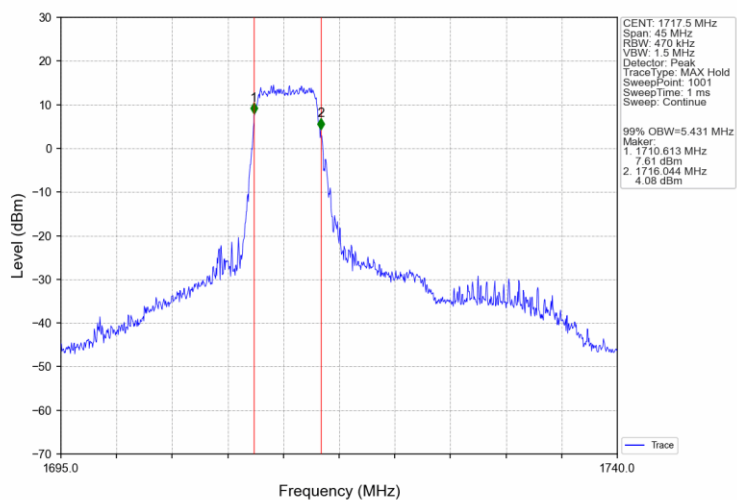
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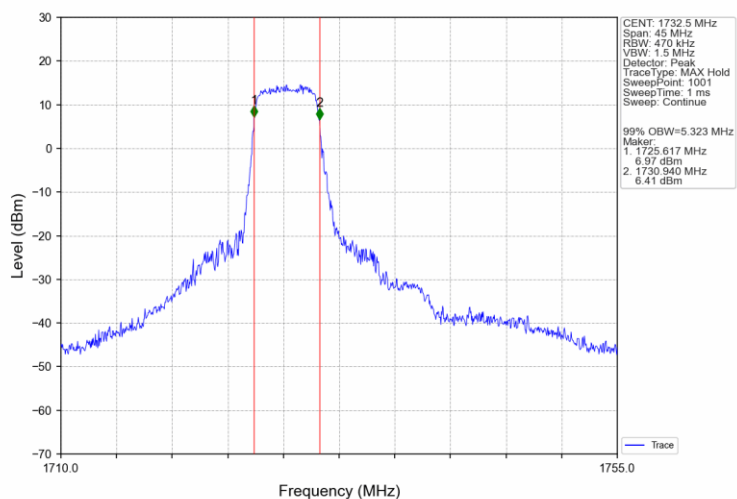
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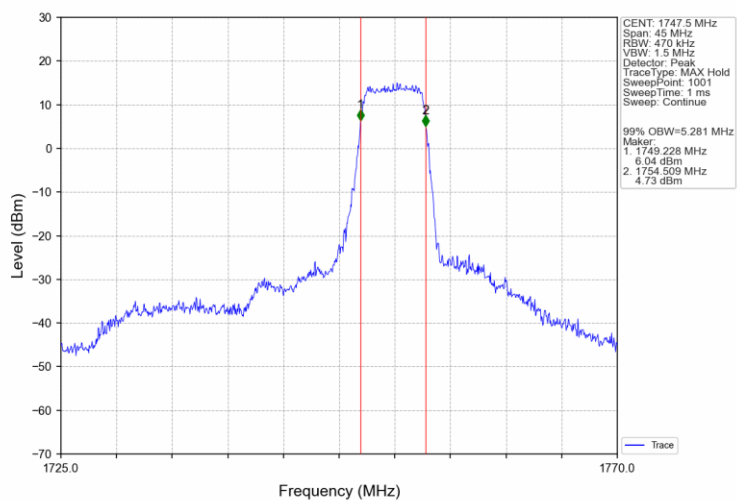
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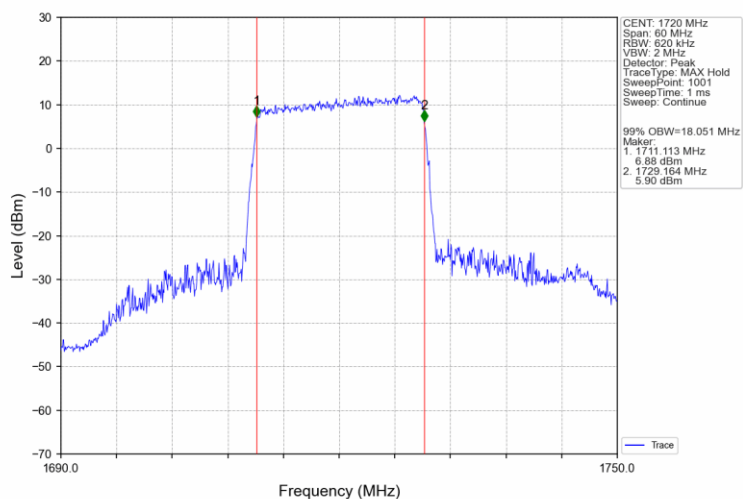
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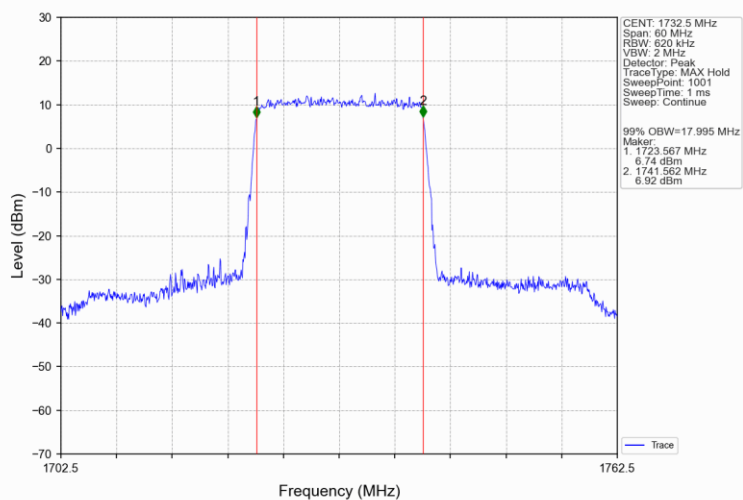
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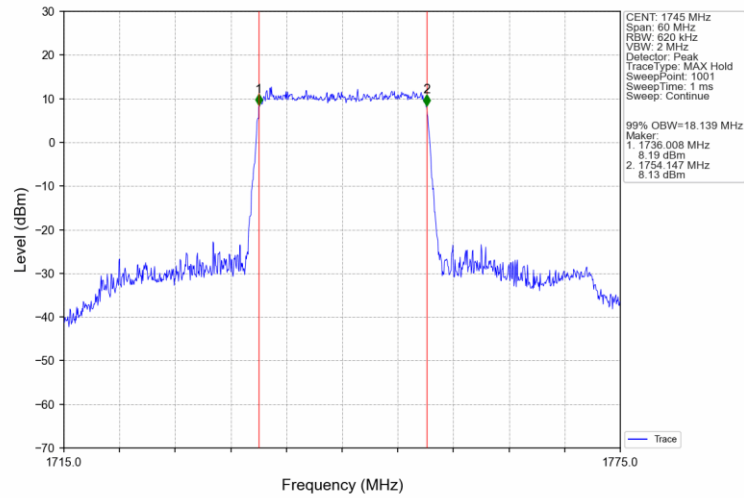
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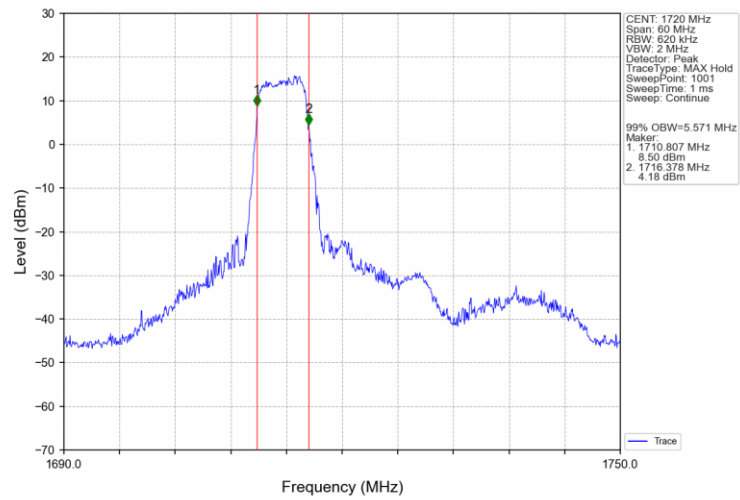
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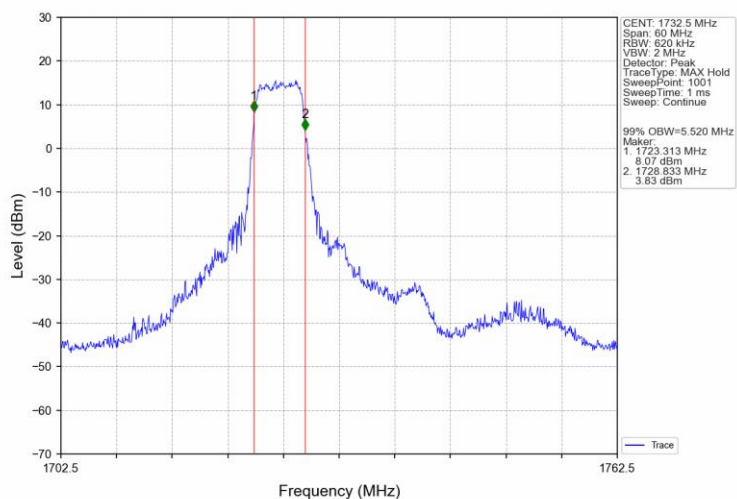
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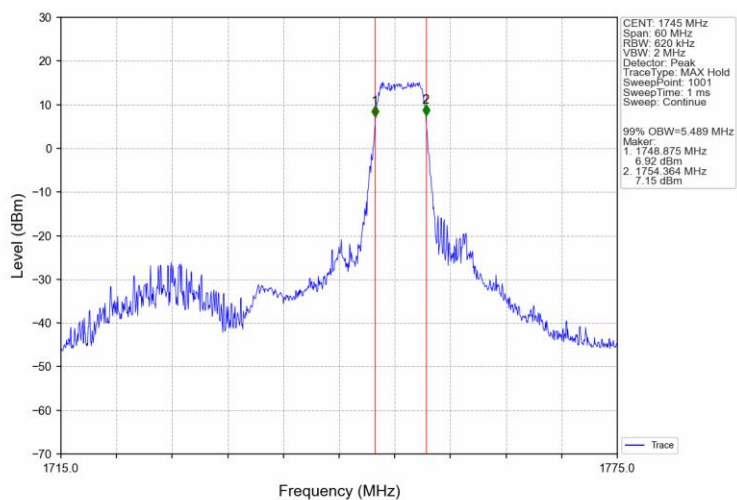
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Band4 20MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV

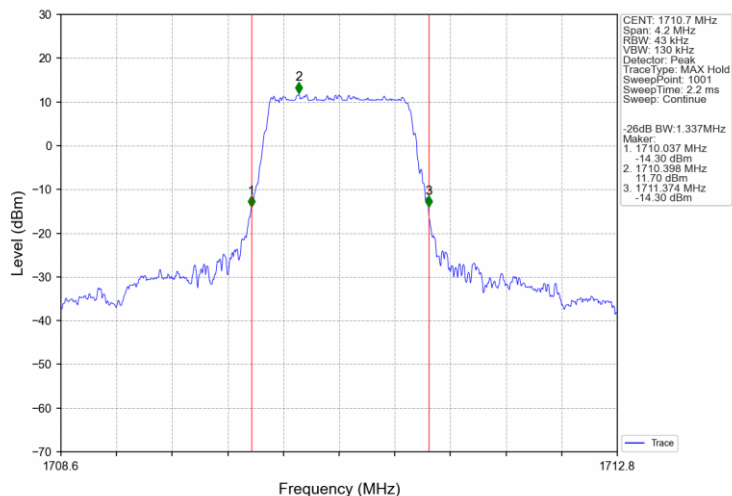


Band4 20MHz 16QAM HCH 1745MHz RB 27 73 NTNV

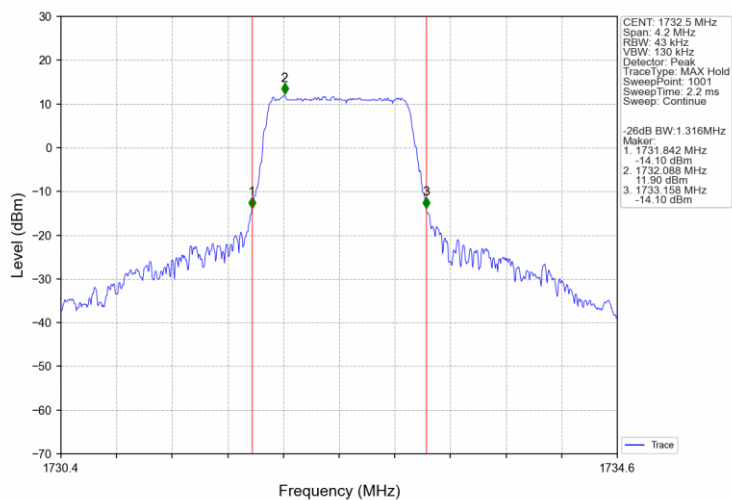


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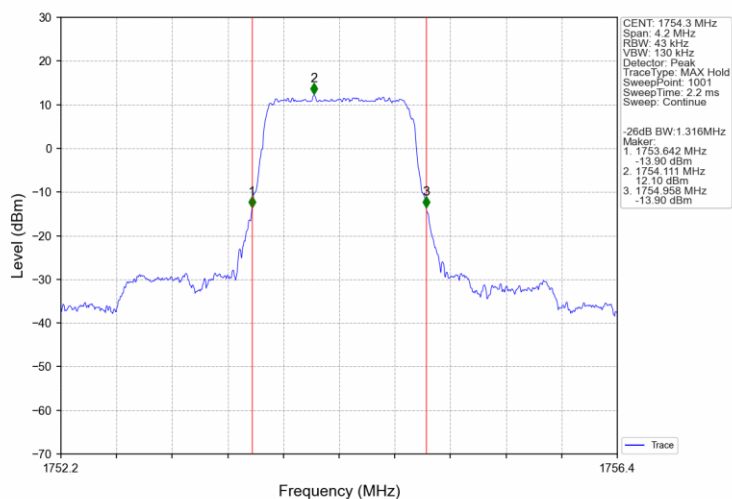
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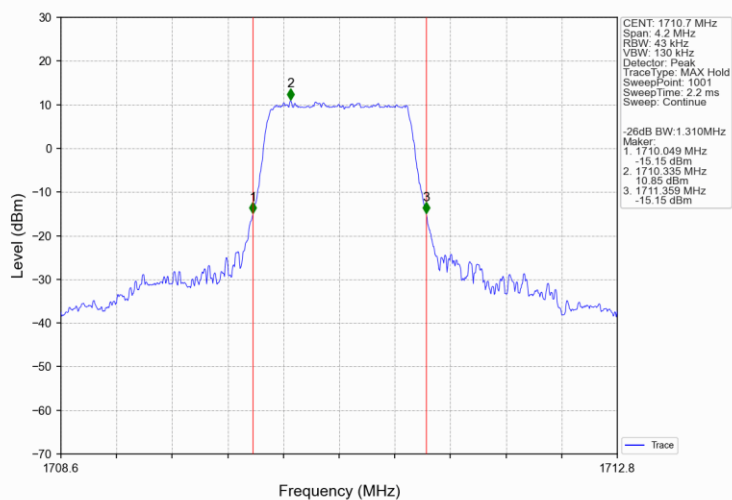
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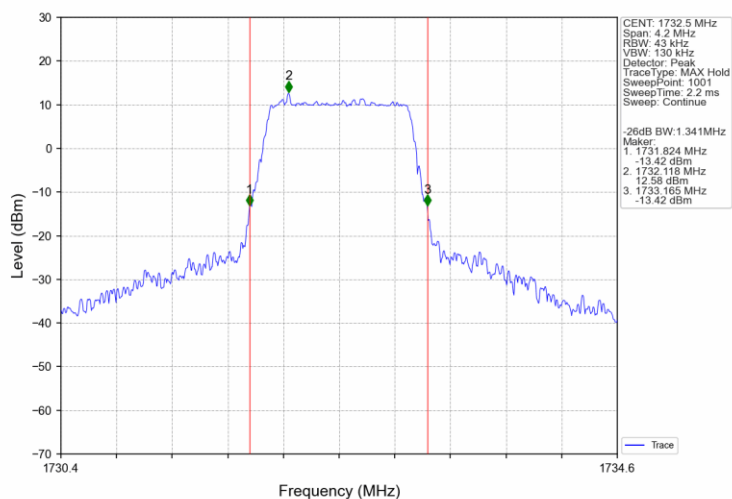
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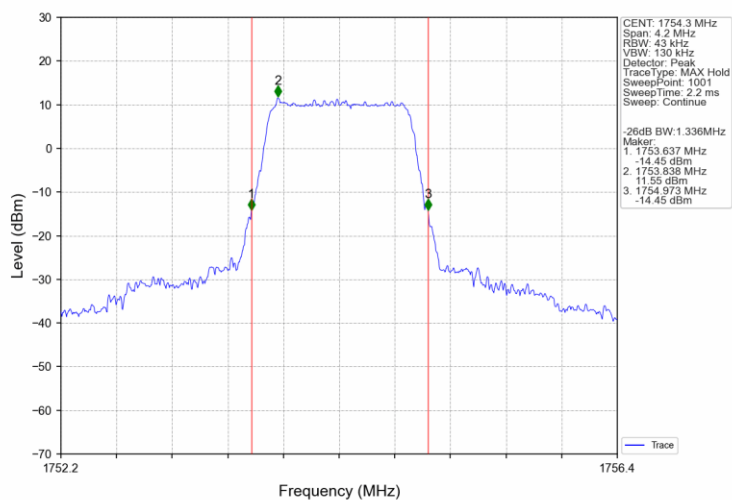
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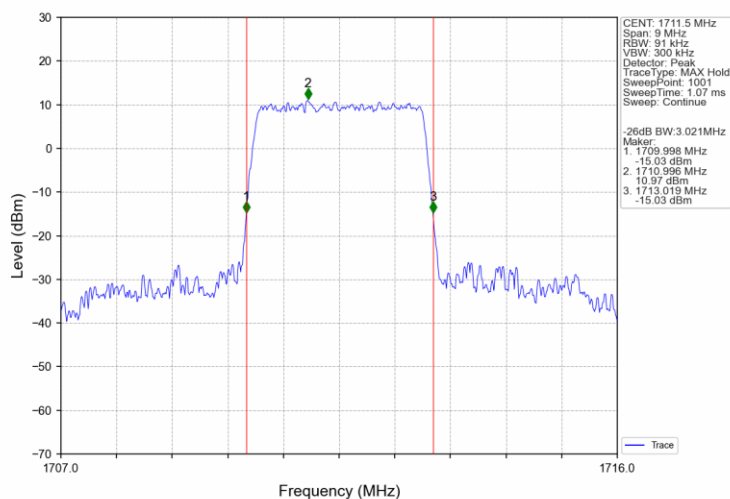
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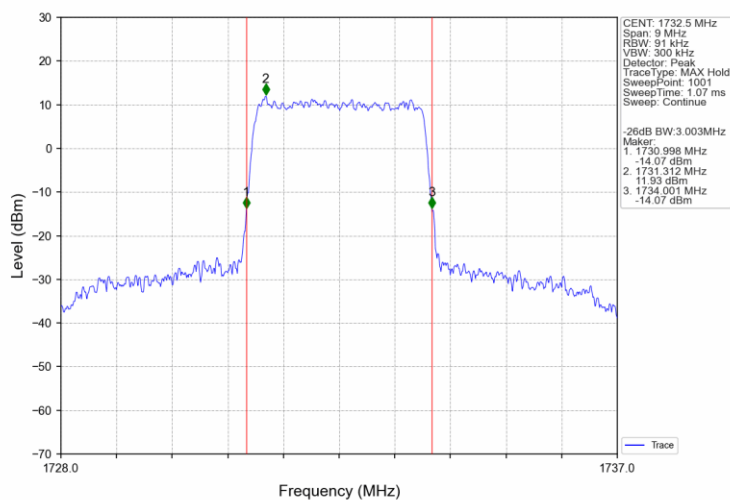
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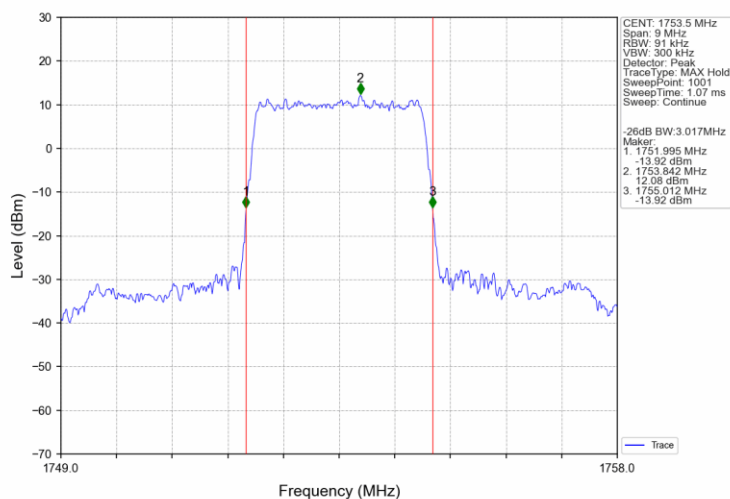
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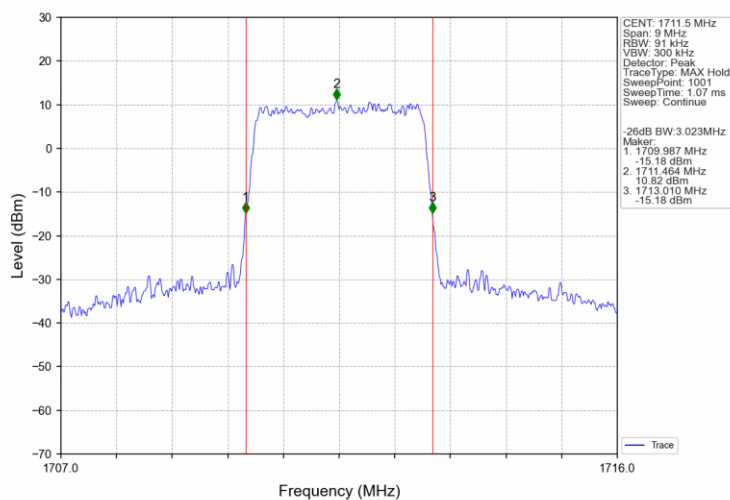
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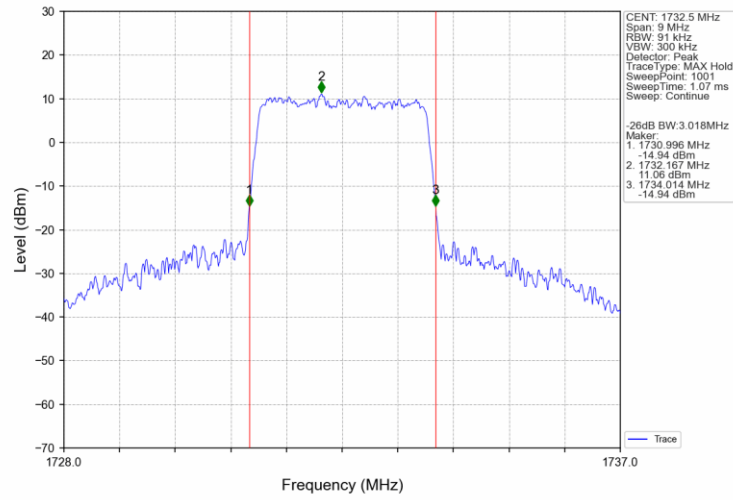
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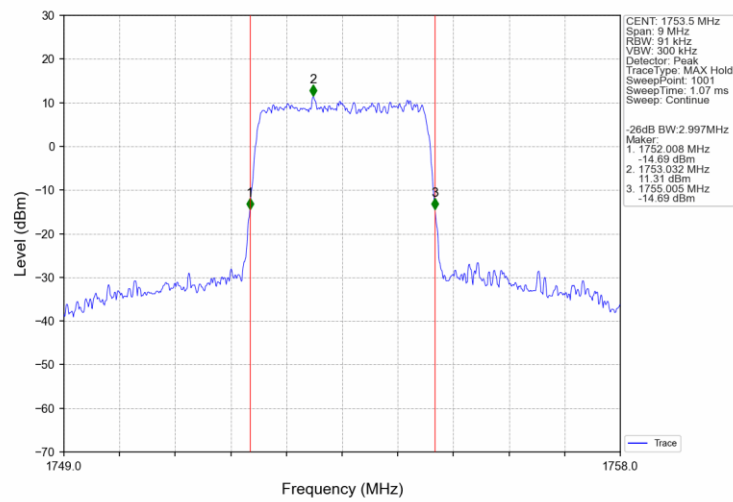
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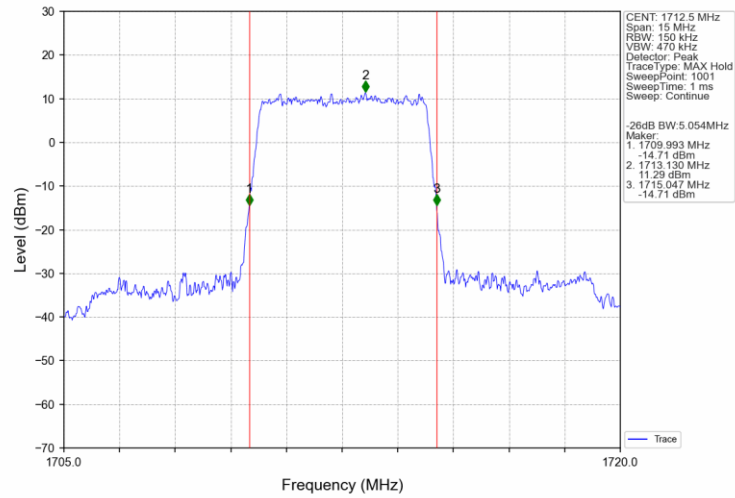
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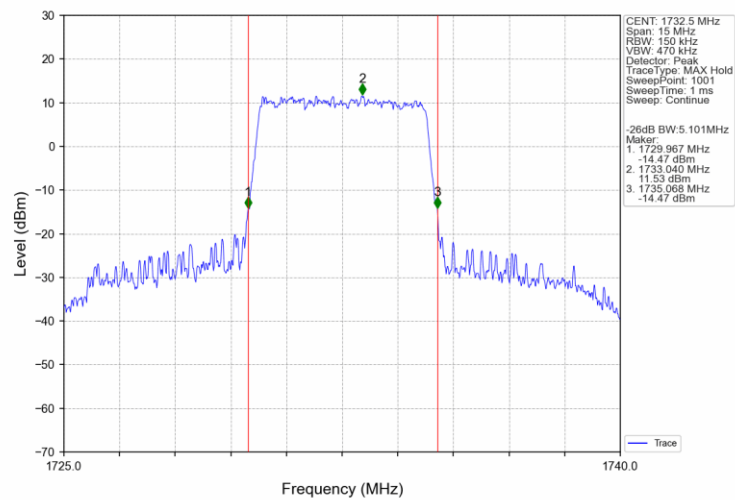
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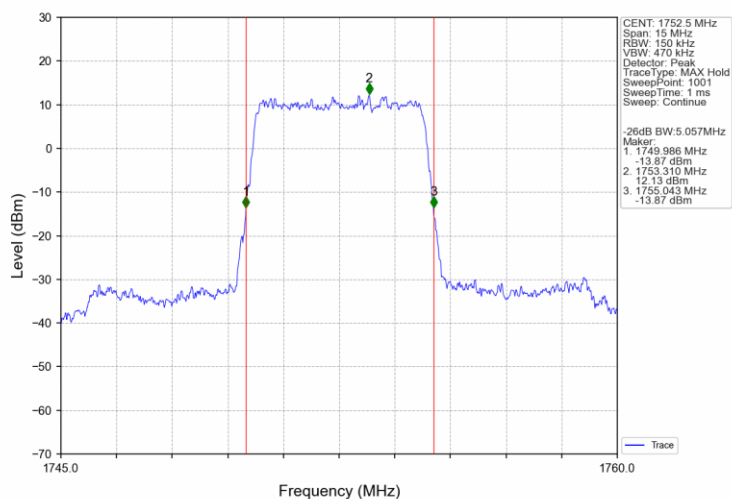
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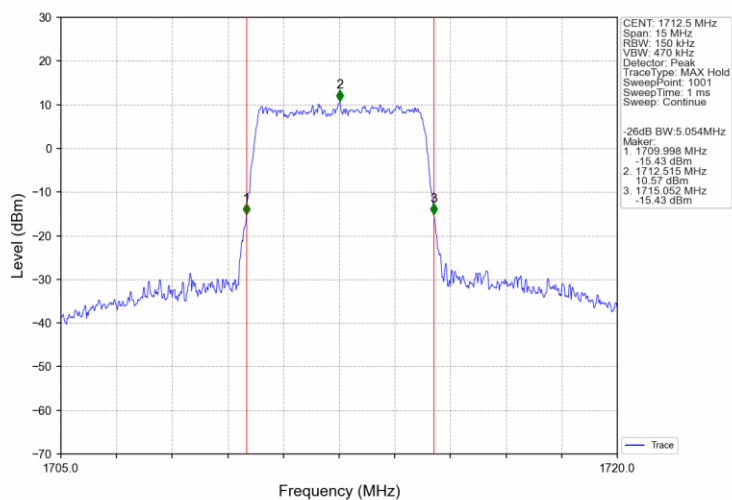
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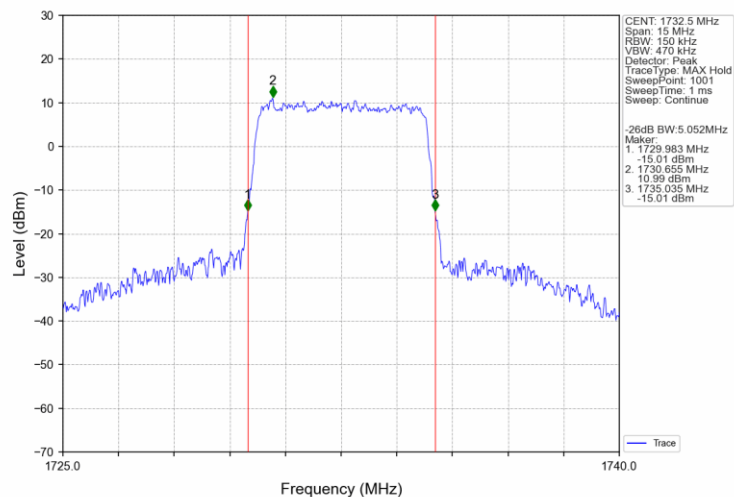
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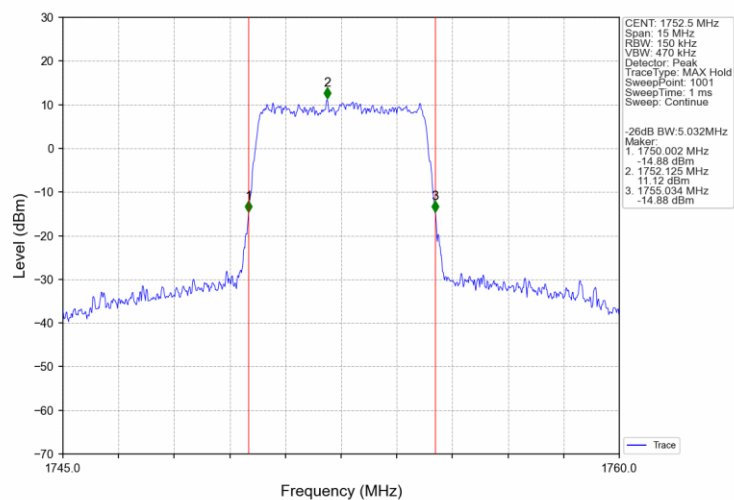
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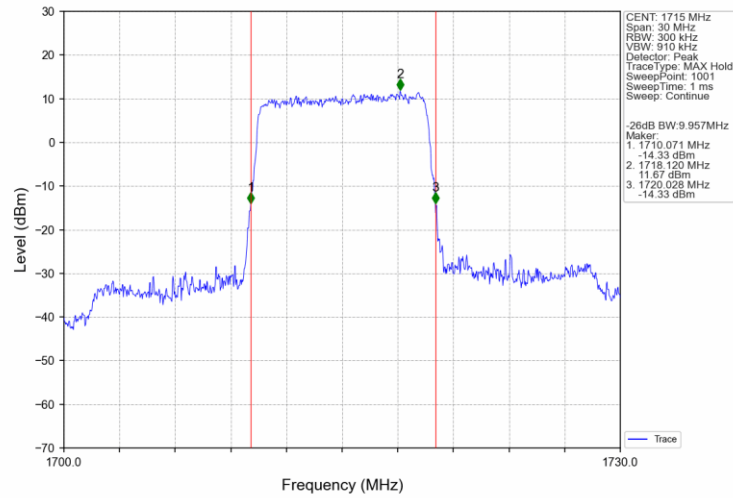
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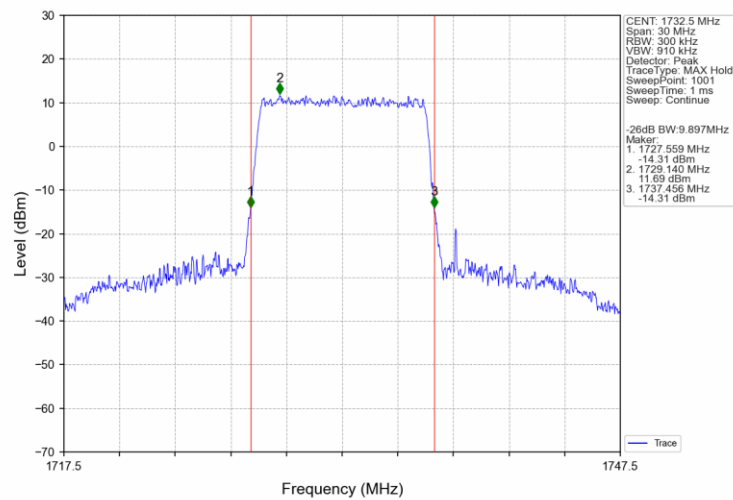
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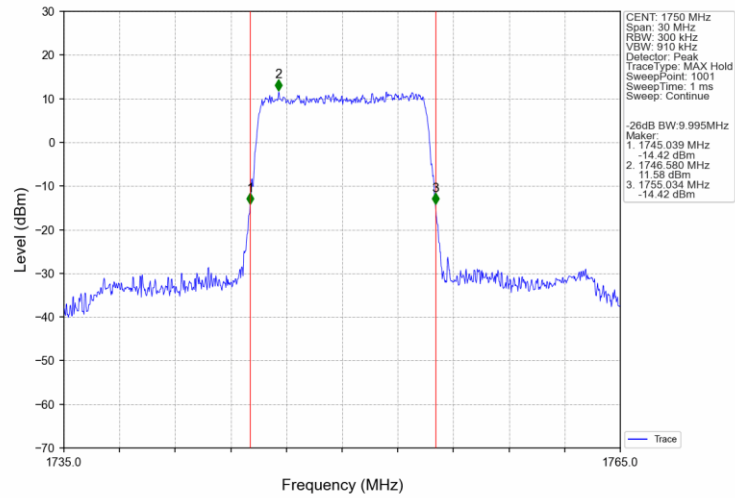
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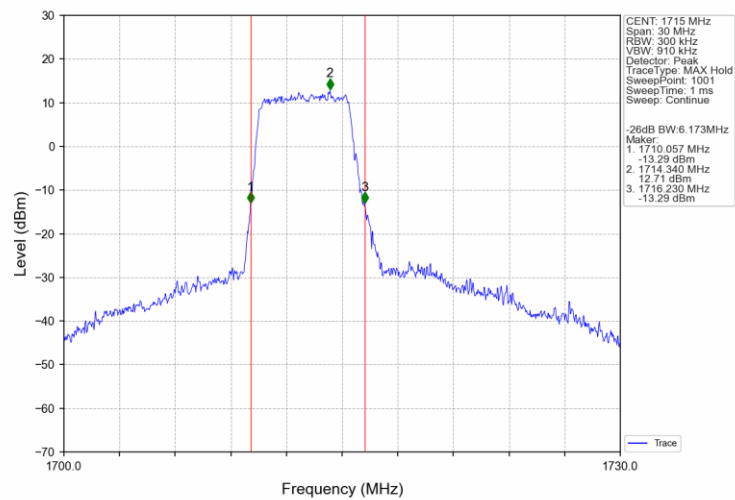
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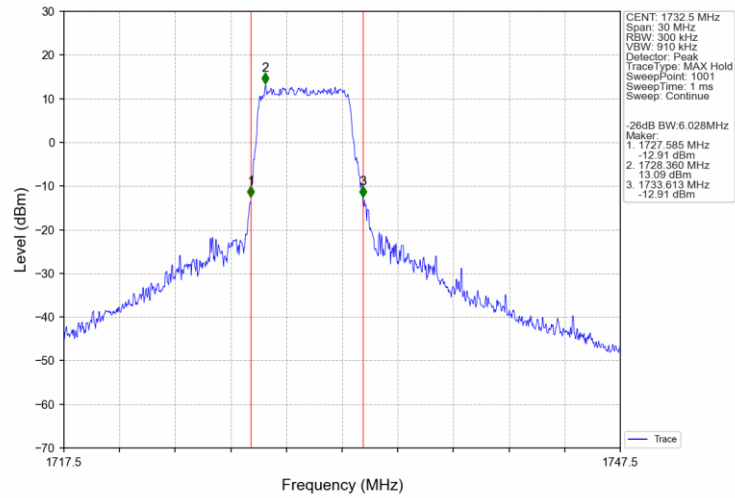
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Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



Band4 10MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



Band4 10MHz 16QAM HCH 1750MHz RB 27 23 NTNV

