

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	24.04	-1.18	22.86	<=30	Pass
			2	24.14	-1.18	22.96	<=30	Pass
			5	24.05	-1.18	22.87	<=30	Pass
		3	0	24.42	-1.18	23.24	<=30	Pass
			2	24.33	-1.18	23.15	<=30	Pass
			3	24.43	-1.18	23.25	<=30	Pass
		6	0	23.28	-1.18	22.10	<=30	Pass
	1732.5	1	0	24.51	-1.18	23.33	<=30	Pass
			2	24.51	-1.18	23.33	<=30	Pass
			5	24.50	-1.18	23.32	<=30	Pass
		3	0	24.68	-1.18	23.50	<=30	Pass
			2	24.65	-1.18	23.47	<=30	Pass
			3	24.67	-1.18	23.49	<=30	Pass
		6	0	23.75	-1.18	22.57	<=30	Pass
	1754.3	1	0	24.68	-1.18	23.50	<=30	Pass
			2	24.73	-1.18	23.55	<=30	Pass
			5	24.75	-1.18	23.57	<=30	Pass
		3	0	24.94	-1.18	23.76	<=30	Pass
			2	24.90	-1.18	23.72	<=30	Pass
			3	25.00	-1.18	23.82	<=30	Pass
		6	0	24.00	-1.18	22.82	<=30	Pass
16QAM	1710.7	1	0	23.35	-1.18	22.17	<=30	Pass
			2	23.37	-1.18	22.19	<=30	Pass
			5	23.42	-1.18	22.24	<=30	Pass
		3	0	23.71	-1.18	22.53	<=30	Pass
			2	23.66	-1.18	22.48	<=30	Pass
			3	23.77	-1.18	22.59	<=30	Pass
		6	0	22.60	-1.18	21.42	<=30	Pass
	1732.5	1	0	23.78	-1.18	22.60	<=30	Pass
			2	23.76	-1.18	22.58	<=30	Pass
			5	23.78	-1.18	22.60	<=30	Pass
		3	0	23.82	-1.18	22.64	<=30	Pass
			2	23.76	-1.18	22.58	<=30	Pass
			3	23.81	-1.18	22.63	<=30	Pass
		6	0	22.95	-1.18	21.77	<=30	Pass
	1754.3	1	0	23.92	-1.18	22.74	<=30	Pass
			2	23.87	-1.18	22.69	<=30	Pass
			5	23.98	-1.18	22.80	<=30	Pass
		3	0	24.24	-1.18	23.06	<=30	Pass
			2	24.15	-1.18	22.97	<=30	Pass
			3	24.23	-1.18	23.05	<=30	Pass
		6	0	23.17	-1.18	21.99	<=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	24.05	-1.18	22.87	<=30	Pass
			7	23.99	-1.18	22.81	<=30	Pass
			14	24.04	-1.18	22.86	<=30	Pass
		8	0	23.53	-1.18	22.35	<=30	Pass
			4	23.51	-1.18	22.33	<=30	Pass
			7	23.53	-1.18	22.35	<=30	Pass
		15	0	23.60	-1.18	22.42	<=30	Pass
	1732.5	1	0	24.49	-1.18	23.31	<=30	Pass
			7	24.43	-1.18	23.25	<=30	Pass
			14	24.40	-1.18	23.22	<=30	Pass
		8	0	23.93	-1.18	22.75	<=30	Pass
			4	23.89	-1.18	22.71	<=30	Pass
			7	23.85	-1.18	22.67	<=30	Pass
		15	0	23.89	-1.18	22.71	<=30	Pass
	1753.5	1	0	24.52	-1.18	23.34	<=30	Pass
			7	24.58	-1.18	23.40	<=30	Pass
			14	24.62	-1.18	23.44	<=30	Pass
		8	0	23.99	-1.18	22.81	<=30	Pass
			4	24.05	-1.18	22.87	<=30	Pass
			7	24.05	-1.18	22.87	<=30	Pass
		15	0	24.07	-1.18	22.89	<=30	Pass
16QAM	1711.5	1	0	23.34	-1.18	22.16	<=30	Pass
			7	23.31	-1.18	22.13	<=30	Pass
			14	23.39	-1.18	22.21	<=30	Pass
		8	0	22.90	-1.18	21.72	<=30	Pass
			4	22.92	-1.18	21.74	<=30	Pass
			7	22.90	-1.18	21.72	<=30	Pass
		15	0	23.04	-1.18	21.86	<=30	Pass
	1732.5	1	0	23.73	-1.18	22.55	<=30	Pass
			7	23.70	-1.18	22.52	<=30	Pass
			14	23.71	-1.18	22.53	<=30	Pass
		8	0	23.03	-1.18	21.85	<=30	Pass
			4	23.02	-1.18	21.84	<=30	Pass
			7	23.00	-1.18	21.82	<=30	Pass
		15	0	23.08	-1.18	21.90	<=30	Pass
	1753.5	1	0	23.76	-1.18	22.58	<=30	Pass
			7	23.78	-1.18	22.60	<=30	Pass
			14	23.85	-1.18	22.67	<=30	Pass
		8	0	23.31	-1.18	22.13	<=30	Pass
			4	23.36	-1.18	22.18	<=30	Pass
			7	23.33	-1.18	22.15	<=30	Pass
		15	0	23.40	-1.18	22.22	<=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	24.27	-1.18	23.09	<=30	Pass
			13	24.31	-1.18	23.13	<=30	Pass
			24	24.34	-1.18	23.16	<=30	Pass
		12	0	23.69	-1.18	22.51	<=30	Pass
			6	23.70	-1.18	22.52	<=30	Pass
			13	23.78	-1.18	22.60	<=30	Pass
		25	0	23.76	-1.18	22.58	<=30	Pass
	1732.5	1	0	24.67	-1.18	23.49	<=30	Pass
			13	24.65	-1.18	23.47	<=30	Pass
			24	24.54	-1.18	23.36	<=30	Pass
		12	0	23.93	-1.18	22.75	<=30	Pass
			6	23.93	-1.18	22.75	<=30	Pass
			13	23.84	-1.18	22.66	<=30	Pass
		25	0	23.91	-1.18	22.73	<=30	Pass
	1752.5	1	0	24.64	-1.18	23.46	<=30	Pass
			13	24.77	-1.18	23.59	<=30	Pass
			24	24.81	-1.18	23.63	<=30	Pass
		12	0	24.04	-1.18	22.86	<=30	Pass
			6	24.08	-1.18	22.90	<=30	Pass
			13	24.17	-1.18	22.99	<=30	Pass
		25	0	24.12	-1.18	22.94	<=30	Pass
16QAM	1712.5	1	0	23.61	-1.18	22.43	<=30	Pass
			13	23.70	-1.18	22.52	<=30	Pass
			24	23.76	-1.18	22.58	<=30	Pass
		12	0	23.01	-1.18	21.83	<=30	Pass
			6	23.04	-1.18	21.86	<=30	Pass
			13	23.12	-1.18	21.94	<=30	Pass
		25	0	23.17	-1.18	21.99	<=30	Pass
	1732.5	1	0	23.96	-1.18	22.78	<=30	Pass
			13	23.98	-1.18	22.80	<=30	Pass
			24	23.93	-1.18	22.75	<=30	Pass
		12	0	23.17	-1.18	21.99	<=30	Pass
			6	23.16	-1.18	21.98	<=30	Pass
			13	23.12	-1.18	21.94	<=30	Pass
		25	0	23.16	-1.18	21.98	<=30	Pass
	1752.5	1	0	23.73	-1.18	22.55	<=30	Pass
			13	23.83	-1.18	22.65	<=30	Pass
			24	23.89	-1.18	22.71	<=30	Pass
		12	0	23.35	-1.18	22.17	<=30	Pass
			6	23.38	-1.18	22.20	<=30	Pass
			13	23.44	-1.18	22.26	<=30	Pass
		25	0	23.47	-1.18	22.29	<=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	24.29	-1.18	23.11	<=30	Pass
			25	24.34	-1.18	23.16	<=30	Pass
			49	24.64	-1.18	23.46	<=30	Pass
		25	0	23.72	-1.18	22.54	<=30	Pass
			13	23.84	-1.18	22.66	<=30	Pass
			25	23.98	-1.18	22.80	<=30	Pass
		50	0	23.94	-1.18	22.76	<=30	Pass
			0	24.78	-1.18	23.60	<=30	Pass
			25	24.61	-1.18	23.43	<=30	Pass
	1732.5	1	49	24.49	-1.18	23.31	<=30	Pass
			0	23.98	-1.18	22.80	<=30	Pass
			13	23.91	-1.18	22.73	<=30	Pass
		25	25	23.87	-1.18	22.69	<=30	Pass
			0	23.95	-1.18	22.77	<=30	Pass
			0	24.45	-1.18	23.27	<=30	Pass
		25	25	24.56	-1.18	23.38	<=30	Pass
			49	24.87	-1.18	23.69	<=30	Pass
			0	23.96	-1.18	22.78	<=30	Pass
	1750	25	13	24.05	-1.18	22.87	<=30	Pass
			25	24.12	-1.18	22.94	<=30	Pass
			0	24.12	-1.18	22.94	<=30	Pass
16QAM	1715	1	0	23.59	-1.18	22.41	<=30	Pass
			25	23.61	-1.18	22.43	<=30	Pass
			49	23.88	-1.18	22.70	<=30	Pass
		25	0	23.19	-1.18	22.01	<=30	Pass
			13	23.29	-1.18	22.11	<=30	Pass
			25	23.40	-1.18	22.22	<=30	Pass
		50	0	23.31	-1.18	22.13	<=30	Pass
			0	24.01	-1.18	22.83	<=30	Pass
			25	23.87	-1.18	22.69	<=30	Pass
	1732.5	1	49	23.89	-1.18	22.71	<=30	Pass
			0	23.21	-1.18	22.03	<=30	Pass
			13	23.17	-1.18	21.99	<=30	Pass
		25	25	23.16	-1.18	21.98	<=30	Pass
			0	23.20	-1.18	22.02	<=30	Pass
			0	24.29	-1.18	23.11	<=30	Pass
		25	25	24.32	-1.18	23.14	<=30	Pass
			49	24.51	-1.18	23.33	<=30	Pass
			0	23.38	-1.18	22.20	<=30	Pass
	1750	25	13	23.44	-1.18	22.26	<=30	Pass
			25	23.50	-1.18	22.32	<=30	Pass
			0	23.45	-1.18	22.27	<=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	24.26	-1.18	23.08	<=30	Pass
			38	24.50	-1.18	23.32	<=30	Pass
			74	24.81	-1.18	23.63	<=30	Pass
		36	0	23.62	-1.18	22.44	<=30	Pass
			18	23.83	-1.18	22.65	<=30	Pass
			39	24.05	-1.18	22.87	<=30	Pass
		75	0	23.89	-1.18	22.71	<=30	Pass
	1732.5	1	0	24.78	-1.18	23.60	<=30	Pass
			38	24.62	-1.18	23.44	<=30	Pass
			74	24.40	-1.18	23.22	<=30	Pass
		36	0	24.15	-1.18	22.97	<=30	Pass
			18	24.04	-1.18	22.86	<=30	Pass
			39	23.92	-1.18	22.74	<=30	Pass
		75	0	24.05	-1.18	22.87	<=30	Pass
	1747.5	1	0	24.37	-1.18	23.19	<=30	Pass
			38	24.51	-1.18	23.33	<=30	Pass
			74	24.78	-1.18	23.60	<=30	Pass
		36	0	23.74	-1.18	22.56	<=30	Pass
			18	23.82	-1.18	22.64	<=30	Pass
			39	23.95	-1.18	22.77	<=30	Pass
		75	0	23.78	-1.18	22.60	<=30	Pass
16QAM	1717.5	1	0	23.93	-1.18	22.75	<=30	Pass
			38	24.13	-1.18	22.95	<=30	Pass
			74	24.16	-1.18	22.98	<=30	Pass
		36	0	22.90	-1.18	21.72	<=30	Pass
			18	23.04	-1.18	21.86	<=30	Pass
			39	23.25	-1.18	22.07	<=30	Pass
		75	0	23.14	-1.18	21.96	<=30	Pass
	1732.5	1	0	24.04	-1.18	22.86	<=30	Pass
			38	23.90	-1.18	22.72	<=30	Pass
			74	23.85	-1.18	22.67	<=30	Pass
		36	0	23.26	-1.18	22.08	<=30	Pass
			18	23.17	-1.18	21.99	<=30	Pass
			39	23.12	-1.18	21.94	<=30	Pass
		75	0	23.22	-1.18	22.04	<=30	Pass
	1747.5	1	0	23.93	-1.18	22.75	<=30	Pass
			38	24.17	-1.18	22.99	<=30	Pass
			74	24.43	-1.18	23.25	<=30	Pass
		36	0	22.91	-1.18	21.73	<=30	Pass
			18	22.98	-1.18	21.80	<=30	Pass
			39	23.16	-1.18	21.98	<=30	Pass
		75	0	23.23	-1.18	22.05	<=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	24.16	-1.18	22.98	<=30	Pass
			50	24.55	-1.18	23.37	<=30	Pass
			99	24.66	-1.18	23.48	<=30	Pass
		50	0	23.80	-1.18	22.62	<=30	Pass
			25	24.07	-1.18	22.89	<=30	Pass
			50	24.07	-1.18	22.89	<=30	Pass
		100	0	23.92	-1.18	22.74	<=30	Pass
	1732.5	1	0	24.68	-1.18	23.50	<=30	Pass
			50	24.62	-1.18	23.44	<=30	Pass
			99	24.36	-1.18	23.18	<=30	Pass
		50	0	24.04	-1.18	22.86	<=30	Pass
			25	24.01	-1.18	22.83	<=30	Pass
			50	23.86	-1.18	22.68	<=30	Pass
		100	0	23.93	-1.18	22.75	<=30	Pass
	1745	1	0	24.32	-1.18	23.14	<=30	Pass
			50	24.36	-1.18	23.18	<=30	Pass
			99	24.69	-1.18	23.51	<=30	Pass
		50	0	23.80	-1.18	22.62	<=30	Pass
			25	23.93	-1.18	22.75	<=30	Pass
			50	24.08	-1.18	22.90	<=30	Pass
		100	0	23.95	-1.18	22.77	<=30	Pass
16QAM	1720	1	0	24.02	-1.18	22.84	<=30	Pass
			50	24.26	-1.18	23.08	<=30	Pass
			99	24.19	-1.18	23.01	<=30	Pass
		50	0	23.12	-1.18	21.94	<=30	Pass
			25	23.34	-1.18	22.16	<=30	Pass
			50	23.32	-1.18	22.14	<=30	Pass
		100	0	23.23	-1.18	22.05	<=30	Pass
	1732.5	1	0	24.28	-1.18	23.10	<=30	Pass
			50	24.06	-1.18	22.88	<=30	Pass
			99	24.04	-1.18	22.86	<=30	Pass
		50	0	23.16	-1.18	21.98	<=30	Pass
			25	23.12	-1.18	21.94	<=30	Pass
			50	23.05	-1.18	21.87	<=30	Pass
		100	0	23.11	-1.18	21.93	<=30	Pass
	1745	1	0	23.68	-1.18	22.50	<=30	Pass
			50	23.81	-1.18	22.63	<=30	Pass
			99	24.06	-1.18	22.88	<=30	Pass
		50	0	23.06	-1.18	21.88	<=30	Pass
			25	23.28	-1.18	22.10	<=30	Pass
			50	23.41	-1.18	22.23	<=30	Pass
		100	0	23.25	-1.18	22.07	<=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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	LV	5.450	0.0032	-2.5 to 2.5	Pass
					NV	1.588	0.0009	-2.5 to 2.5	Pass
					HV	-2.103	-0.0012	-2.5 to 2.5	Pass
				-30	NV	2.089	0.0012	-2.5 to 2.5	Pass
				-20	NV	1.330	0.0008	-2.5 to 2.5	Pass
				-10	NV	-9.069	-0.0053	-2.5 to 2.5	Pass
				0	NV	-4.134	-0.0024	-2.5 to 2.5	Pass
				10	NV	0.544	0.0003	-2.5 to 2.5	Pass
				30	NV	-7.882	-0.0046	-2.5 to 2.5	Pass
				40	NV	2.046	0.0012	-2.5 to 2.5	Pass
				50	NV	-4.377	-0.0026	-2.5 to 2.5	Pass
	1732.5	6	0	20	LV	0.014	0.0000	-2.5 to 2.5	Pass
					NV	-8.583	-0.0050	-2.5 to 2.5	Pass
					HV	-13.032	-0.0075	-2.5 to 2.5	Pass
				-30	NV	-11.516	-0.0066	-2.5 to 2.5	Pass
				-20	NV	4.635	0.0027	-2.5 to 2.5	Pass
				-10	NV	-12.116	-0.0070	-2.5 to 2.5	Pass
				0	NV	3.290	0.0019	-2.5 to 2.5	Pass
				10	NV	-4.849	-0.0028	-2.5 to 2.5	Pass
				30	NV	-1.931	-0.0011	-2.5 to 2.5	Pass
				40	NV	-4.792	-0.0028	-2.5 to 2.5	Pass
				50	NV	-7.110	-0.0041	-2.5 to 2.5	Pass
	1754.3	6	0	20	LV	3.004	0.0017	-2.5 to 2.5	Pass
					NV	1.473	0.0008	-2.5 to 2.5	Pass
					HV	-6.595	-0.0038	-2.5 to 2.5	Pass
				-30	NV	6.580	0.0038	-2.5 to 2.5	Pass
				-20	NV	1.945	0.0011	-2.5 to 2.5	Pass
				-10	NV	5.121	0.0029	-2.5 to 2.5	Pass
				0	NV	1.674	0.0010	-2.5 to 2.5	Pass
				10	NV	-2.389	-0.0014	-2.5 to 2.5	Pass
				30	NV	-2.761	-0.0016	-2.5 to 2.5	Pass
				40	NV	2.546	0.0015	-2.5 to 2.5	Pass
				50	NV	-6.108	-0.0035	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	LV	-9.685	-0.0057	-2.5 to 2.5	Pass
					NV	-2.875	-0.0017	-2.5 to 2.5	Pass
					HV	-11.930	-0.0070	-2.5 to 2.5	Pass
				-30	NV	-2.317	-0.0014	-2.5 to 2.5	Pass
				-20	NV	0.443	0.0003	-2.5 to 2.5	Pass
				-10	NV	3.362	0.0020	-2.5 to 2.5	Pass
				0	NV	-0.701	-0.0004	-2.5 to 2.5	Pass
				10	NV	-5.765	-0.0034	-2.5 to 2.5	Pass
				30	NV	5.436	0.0032	-2.5 to 2.5	Pass
				40	NV	-3.333	-0.0019	-2.5 to 2.5	Pass
				50	NV	2.017	0.0012	-2.5 to 2.5	Pass
	1732.5	6	0	20	LV	10.729	0.0062	-2.5 to 2.5	Pass
					NV	6.409	0.0037	-2.5 to 2.5	Pass
					HV	2.532	0.0015	-2.5 to 2.5	Pass
				-30	NV	0.587	0.0003	-2.5 to 2.5	Pass
				-20	NV	5.493	0.0032	-2.5 to 2.5	Pass
				-10	NV	-5.951	-0.0034	-2.5 to 2.5	Pass

				0	NV	6.452	0.0037	-2.5 to 2.5	Pass
				10	NV	-4.892	-0.0028	-2.5 to 2.5	Pass
				30	NV	-5.164	-0.0030	-2.5 to 2.5	Pass
				40	NV	7.353	0.0042	-2.5 to 2.5	Pass
				50	NV	0.587	0.0003	-2.5 to 2.5	Pass
	1754.3	6	0	20	LV	-0.687	-0.0004	-2.5 to 2.5	Pass
					NV	-0.286	-0.0002	-2.5 to 2.5	Pass
					HV	-3.548	-0.0020	-2.5 to 2.5	Pass
				-30	NV	-5.293	-0.0030	-2.5 to 2.5	Pass
				-20	NV	-0.014	0.0000	-2.5 to 2.5	Pass
				-10	NV	-0.443	-0.0003	-2.5 to 2.5	Pass
				0	NV	0.157	0.0001	-2.5 to 2.5	Pass
				10	NV	-4.463	-0.0025	-2.5 to 2.5	Pass
				30	NV	0.129	0.0001	-2.5 to 2.5	Pass
				40	NV	-0.558	-0.0003	-2.5 to 2.5	Pass
				50	NV	-0.873	-0.0005	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	LV	-4.005	-0.0023	-2.5 to 2.5	Pass
					NV	-3.633	-0.0021	-2.5 to 2.5	Pass
					HV	5.794	0.0034	-2.5 to 2.5	Pass
				-30	NV	3.119	0.0018	-2.5 to 2.5	Pass
				-20	NV	-0.715	-0.0004	-2.5 to 2.5	Pass
				-10	NV	-0.229	-0.0001	-2.5 to 2.5	Pass
				0	NV	5.493	0.0032	-2.5 to 2.5	Pass
				10	NV	3.290	0.0019	-2.5 to 2.5	Pass
				30	NV	-3.619	-0.0021	-2.5 to 2.5	Pass
				40	NV	4.950	0.0029	-2.5 to 2.5	Pass
	1732.5	15	0	20	LV	-2.232	-0.0013	-2.5 to 2.5	Pass
					NV	-3.734	-0.0022	-2.5 to 2.5	Pass
					HV	-0.558	-0.0003	-2.5 to 2.5	Pass
				-30	NV	0.715	0.0004	-2.5 to 2.5	Pass
				-20	NV	-3.490	-0.0020	-2.5 to 2.5	Pass
				-10	NV	5.307	0.0031	-2.5 to 2.5	Pass
				0	NV	-1.531	-0.0009	-2.5 to 2.5	Pass
				10	NV	-9.098	-0.0053	-2.5 to 2.5	Pass
				30	NV	-2.246	-0.0013	-2.5 to 2.5	Pass
				40	NV	-7.696	-0.0044	-2.5 to 2.5	Pass
	1753.5	15	0	20	NV	-2.332	-0.0013	-2.5 to 2.5	Pass
					NV	-1.402	-0.0008	-2.5 to 2.5	Pass
					LV	-0.787	-0.0004	-2.5 to 2.5	Pass
				-30	NV	-5.794	-0.0033	-2.5 to 2.5	Pass
				-20	NV	-5.665	-0.0032	-2.5 to 2.5	Pass
				-10	NV	5.379	0.0031	-2.5 to 2.5	Pass
				0	NV	4.034	0.0023	-2.5 to 2.5	Pass
				10	NV	6.094	0.0035	-2.5 to 2.5	Pass
				30	NV	-8.841	-0.0050	-2.5 to 2.5	Pass
				40	NV	2.861	0.0016	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	NV	-0.515	-0.0003	-2.5 to 2.5	Pass
					NV	-6.123	-0.0035	-2.5 to 2.5	Pass
					NV	-5.479	-0.0031	-2.5 to 2.5	Pass

				-30	NV	-3.119	-0.0018	-2.5 to 2.5	Pass
				-20	NV	-12.946	-0.0076	-2.5 to 2.5	Pass
				-10	NV	-2.561	-0.0015	-2.5 to 2.5	Pass
				0	NV	-0.687	-0.0004	-2.5 to 2.5	Pass
				10	NV	-5.264	-0.0031	-2.5 to 2.5	Pass
				30	NV	-5.765	-0.0034	-2.5 to 2.5	Pass
				40	NV	-2.818	-0.0016	-2.5 to 2.5	Pass
				50	NV	5.250	0.0031	-2.5 to 2.5	Pass
	1732.5	15	0	20	LV	0.987	0.0006	-2.5 to 2.5	Pass
					NV	-4.234	-0.0024	-2.5 to 2.5	Pass
					HV	1.688	0.0010	-2.5 to 2.5	Pass
				-30	NV	-0.343	-0.0002	-2.5 to 2.5	Pass
				-20	NV	-5.207	-0.0030	-2.5 to 2.5	Pass
				-10	NV	1.702	0.0010	-2.5 to 2.5	Pass
				0	NV	-2.503	-0.0014	-2.5 to 2.5	Pass
				10	NV	0.587	0.0003	-2.5 to 2.5	Pass
				30	NV	0.672	0.0004	-2.5 to 2.5	Pass
				40	NV	2.360	0.0014	-2.5 to 2.5	Pass
				50	NV	-4.621	-0.0027	-2.5 to 2.5	Pass
	1753.5	15	0	20	LV	-3.433	-0.0020	-2.5 to 2.5	Pass
					NV	0.887	0.0005	-2.5 to 2.5	Pass
					HV	-0.343	-0.0002	-2.5 to 2.5	Pass
				-30	NV	-0.930	-0.0005	-2.5 to 2.5	Pass
				-20	NV	0.343	0.0002	-2.5 to 2.5	Pass
				-10	NV	1.144	0.0007	-2.5 to 2.5	Pass
				0	NV	1.688	0.0010	-2.5 to 2.5	Pass
				10	NV	4.020	0.0023	-2.5 to 2.5	Pass
				30	NV	-4.091	-0.0023	-2.5 to 2.5	Pass
				40	NV	-1.302	-0.0007	-2.5 to 2.5	Pass
				50	NV	-4.020	-0.0023	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	LV	-5.636	-0.0033	-2.5 to 2.5	Pass
					NV	-1.473	-0.0009	-2.5 to 2.5	Pass
					HV	-3.247	-0.0019	-2.5 to 2.5	Pass
				-30	NV	-2.832	-0.0017	-2.5 to 2.5	Pass
				-20	NV	-0.372	-0.0002	-2.5 to 2.5	Pass
				-10	NV	3.233	0.0019	-2.5 to 2.5	Pass
				0	NV	8.240	0.0048	-2.5 to 2.5	Pass
				10	NV	-0.801	-0.0005	-2.5 to 2.5	Pass
				30	NV	2.074	0.0012	-2.5 to 2.5	Pass
				40	NV	-0.901	-0.0005	-2.5 to 2.5	Pass
				50	NV	1.388	0.0008	-2.5 to 2.5	Pass
	1732.5	25	0	20	LV	-0.057	0.0000	-2.5 to 2.5	Pass
					NV	-4.907	-0.0028	-2.5 to 2.5	Pass
					HV	-0.701	-0.0004	-2.5 to 2.5	Pass
				-30	NV	3.934	0.0023	-2.5 to 2.5	Pass
				-20	NV	-8.898	-0.0051	-2.5 to 2.5	Pass
				-10	NV	3.405	0.0020	-2.5 to 2.5	Pass
				0	NV	-3.304	-0.0019	-2.5 to 2.5	Pass
				10	NV	-4.706	-0.0027	-2.5 to 2.5	Pass
				30	NV	-0.243	-0.0001	-2.5 to 2.5	Pass
				40	NV	3.533	0.0020	-2.5 to 2.5	Pass
				50	NV	-4.005	-0.0023	-2.5 to 2.5	Pass

	1752.5	25	0	20	LV	1.760	0.0010	-2.5 to 2.5	Pass
					NV	4.005	0.0023	-2.5 to 2.5	Pass
					HV	-1.917	-0.0011	-2.5 to 2.5	Pass
				-30	NV	-4.492	-0.0026	-2.5 to 2.5	Pass
				-20	NV	-0.973	-0.0006	-2.5 to 2.5	Pass
				-10	NV	2.332	0.0013	-2.5 to 2.5	Pass
				0	NV	-7.339	-0.0042	-2.5 to 2.5	Pass
				10	NV	2.918	0.0017	-2.5 to 2.5	Pass
				30	NV	0.443	0.0003	-2.5 to 2.5	Pass
				40	NV	-5.035	-0.0029	-2.5 to 2.5	Pass
				50	NV	9.384	0.0054	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	LV	-0.658	-0.0004	-2.5 to 2.5	Pass
					NV	-2.317	-0.0014	-2.5 to 2.5	Pass
					HV	-0.830	-0.0005	-2.5 to 2.5	Pass
				-30	NV	2.017	0.0012	-2.5 to 2.5	Pass
				-20	NV	-5.322	-0.0031	-2.5 to 2.5	Pass
				-10	NV	-2.146	-0.0013	-2.5 to 2.5	Pass
				0	NV	2.618	0.0015	-2.5 to 2.5	Pass
				10	NV	-4.649	-0.0027	-2.5 to 2.5	Pass
				30	NV	-4.320	-0.0025	-2.5 to 2.5	Pass
				40	NV	-1.230	-0.0007	-2.5 to 2.5	Pass
				50	NV	-0.658	-0.0004	-2.5 to 2.5	Pass
	1732.5	25	0	20	LV	-1.287	-0.0007	-2.5 to 2.5	Pass
					NV	0.315	0.0002	-2.5 to 2.5	Pass
					HV	-6.294	-0.0036	-2.5 to 2.5	Pass
				-30	NV	1.588	0.0009	-2.5 to 2.5	Pass
				-20	NV	-4.764	-0.0027	-2.5 to 2.5	Pass
				-10	NV	2.332	0.0013	-2.5 to 2.5	Pass
				0	NV	-6.366	-0.0037	-2.5 to 2.5	Pass
				10	NV	-10.214	-0.0059	-2.5 to 2.5	Pass
				30	NV	-5.851	-0.0034	-2.5 to 2.5	Pass
				40	NV	-3.219	-0.0019	-2.5 to 2.5	Pass
				50	NV	-8.769	-0.0051	-2.5 to 2.5	Pass
	1752.5	25	0	20	LV	1.388	0.0008	-2.5 to 2.5	Pass
					NV	3.076	0.0018	-2.5 to 2.5	Pass
					HV	-3.977	-0.0023	-2.5 to 2.5	Pass
				-30	NV	4.134	0.0024	-2.5 to 2.5	Pass
				-20	NV	-1.330	-0.0008	-2.5 to 2.5	Pass
				-10	NV	1.588	0.0009	-2.5 to 2.5	Pass
				0	NV	-5.293	-0.0030	-2.5 to 2.5	Pass
				10	NV	-1.588	-0.0009	-2.5 to 2.5	Pass
				30	NV	-8.283	-0.0047	-2.5 to 2.5	Pass
				40	NV	-4.835	-0.0028	-2.5 to 2.5	Pass
				50	NV	-2.031	-0.0012	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	LV	-3.905	-0.0023	-2.5 to 2.5	Pass
					NV	-3.891	-0.0023	-2.5 to 2.5	Pass
					HV	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	NV	-1.745	-0.0010	-2.5 to 2.5	Pass
				-20	NV	0.887	0.0005	-2.5 to 2.5	Pass
				-10	NV	-4.606	-0.0027	-2.5 to 2.5	Pass
				0	NV	-2.561	-0.0015	-2.5 to 2.5	Pass
				10	NV	1.230	0.0007	-2.5 to 2.5	Pass

				30	NV	-2.146	-0.0013	-2.5 to 2.5	Pass
				40	NV	2.303	0.0013	-2.5 to 2.5	Pass
				50	NV	-2.089	-0.0012	-2.5 to 2.5	Pass
	1732.5	50	0	20	LV	-6.180	-0.0036	-2.5 to 2.5	Pass
					NV	-1.459	-0.0008	-2.5 to 2.5	Pass
					HV	-3.219	-0.0019	-2.5 to 2.5	Pass
				-30	NV	1.616	0.0009	-2.5 to 2.5	Pass
				-20	NV	-3.934	-0.0023	-2.5 to 2.5	Pass
				-10	NV	-4.549	-0.0026	-2.5 to 2.5	Pass
				0	NV	-5.794	-0.0033	-2.5 to 2.5	Pass
				10	NV	-2.460	-0.0014	-2.5 to 2.5	Pass
				30	NV	-6.680	-0.0039	-2.5 to 2.5	Pass
				40	NV	-2.675	-0.0015	-2.5 to 2.5	Pass
				50	NV	-6.080	-0.0035	-2.5 to 2.5	Pass
	1750	50	0	20	LV	0.601	0.0003	-2.5 to 2.5	Pass
					NV	0.358	0.0002	-2.5 to 2.5	Pass
					HV	-0.315	-0.0002	-2.5 to 2.5	Pass
				-30	NV	0.858	0.0005	-2.5 to 2.5	Pass
				-20	NV	-1.001	-0.0006	-2.5 to 2.5	Pass
				-10	NV	-1.402	-0.0008	-2.5 to 2.5	Pass
				0	NV	-4.234	-0.0024	-2.5 to 2.5	Pass
				10	NV	-0.329	-0.0002	-2.5 to 2.5	Pass
				30	NV	1.359	0.0008	-2.5 to 2.5	Pass
				40	NV	-1.445	-0.0008	-2.5 to 2.5	Pass
				50	NV	2.131	0.0012	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	LV	-2.732	-0.0016	-2.5 to 2.5	Pass
					NV	-0.043	0.0000	-2.5 to 2.5	Pass
					HV	0.458	0.0003	-2.5 to 2.5	Pass
				-30	NV	-1.130	-0.0007	-2.5 to 2.5	Pass
				-20	NV	0.873	0.0005	-2.5 to 2.5	Pass
				-10	NV	-2.275	-0.0013	-2.5 to 2.5	Pass
				0	NV	0.730	0.0004	-2.5 to 2.5	Pass
				10	NV	-2.832	-0.0017	-2.5 to 2.5	Pass
				30	NV	1.202	0.0007	-2.5 to 2.5	Pass
				40	NV	-0.572	-0.0003	-2.5 to 2.5	Pass
				50	NV	-5.150	-0.0030	-2.5 to 2.5	Pass
	1732.5	50	0	20	LV	-2.403	-0.0014	-2.5 to 2.5	Pass
					NV	-5.178	-0.0030	-2.5 to 2.5	Pass
					HV	-7.496	-0.0043	-2.5 to 2.5	Pass
				-30	NV	-2.933	-0.0017	-2.5 to 2.5	Pass
				-20	NV	-6.065	-0.0035	-2.5 to 2.5	Pass
				-10	NV	-4.478	-0.0026	-2.5 to 2.5	Pass
				0	NV	-4.535	-0.0026	-2.5 to 2.5	Pass
				10	NV	-1.073	-0.0006	-2.5 to 2.5	Pass
				30	NV	-2.861	-0.0017	-2.5 to 2.5	Pass
				40	NV	-4.864	-0.0028	-2.5 to 2.5	Pass
				50	NV	-1.788	-0.0010	-2.5 to 2.5	Pass
	1750	50	0	20	LV	0.172	0.0001	-2.5 to 2.5	Pass
					NV	-0.129	-0.0001	-2.5 to 2.5	Pass
					HV	1.073	0.0006	-2.5 to 2.5	Pass
				-30	NV	0.043	0.0000	-2.5 to 2.5	Pass
				-20	NV	-0.415	-0.0002	-2.5 to 2.5	Pass
				-10	NV	-2.847	-0.0016	-2.5 to 2.5	Pass
				0	NV	2.747	0.0016	-2.5 to 2.5	Pass
				10	NV	0.930	0.0005	-2.5 to 2.5	Pass
				30	NV	-4.206	-0.0024	-2.5 to 2.5	Pass
				40	NV	-3.562	-0.0020	-2.5 to 2.5	Pass
				50	NV	-1.473	-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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	LV	-0.672	-0.0004	-2.5 to 2.5	Pass
					NV	-0.143	-0.0001	-2.5 to 2.5	Pass
					HV	-1.459	-0.0008	-2.5 to 2.5	Pass
				-30	NV	-2.246	-0.0013	-2.5 to 2.5	Pass
				-20	NV	1.945	0.0011	-2.5 to 2.5	Pass
				-10	NV	-1.960	-0.0011	-2.5 to 2.5	Pass
				0	NV	-0.329	-0.0002	-2.5 to 2.5	Pass
				10	NV	0.372	0.0002	-2.5 to 2.5	Pass
				30	NV	-1.431	-0.0008	-2.5 to 2.5	Pass
				40	NV	-0.744	-0.0004	-2.5 to 2.5	Pass
				50	NV	-1.545	-0.0009	-2.5 to 2.5	Pass
	1732.5	75	0	20	LV	2.789	0.0016	-2.5 to 2.5	Pass
					NV	-0.472	-0.0003	-2.5 to 2.5	Pass
					HV	0.687	0.0004	-2.5 to 2.5	Pass
				-30	NV	-2.289	-0.0013	-2.5 to 2.5	Pass
				-20	NV	-1.531	-0.0009	-2.5 to 2.5	Pass
				-10	NV	-1.845	-0.0011	-2.5 to 2.5	Pass
				0	NV	-1.888	-0.0011	-2.5 to 2.5	Pass
				10	NV	-1.202	-0.0007	-2.5 to 2.5	Pass
				30	NV	-3.018	-0.0017	-2.5 to 2.5	Pass
				40	NV	-1.330	-0.0008	-2.5 to 2.5	Pass
				50	NV	-0.858	-0.0005	-2.5 to 2.5	Pass
	1747.5	75	0	20	LV	0.415	0.0002	-2.5 to 2.5	Pass
					NV	-3.576	-0.0020	-2.5 to 2.5	Pass
					HV	2.818	0.0016	-2.5 to 2.5	Pass
				-30	NV	-2.089	-0.0012	-2.5 to 2.5	Pass
				-20	NV	0.515	0.0003	-2.5 to 2.5	Pass
				-10	NV	0.215	0.0001	-2.5 to 2.5	Pass
				0	NV	-2.475	-0.0014	-2.5 to 2.5	Pass
				10	NV	3.934	0.0023	-2.5 to 2.5	Pass
				30	NV	-0.744	-0.0004	-2.5 to 2.5	Pass
				40	NV	-1.187	-0.0007	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	LV	1.059	0.0006	-2.5 to 2.5	Pass
					NV	0.930	0.0005	-2.5 to 2.5	Pass
					HV	-3.648	-0.0021	-2.5 to 2.5	Pass
				-30	NV	0.615	0.0004	-2.5 to 2.5	Pass
				-20	NV	0.658	0.0004	-2.5 to 2.5	Pass
				-10	NV	-2.003	-0.0012	-2.5 to 2.5	Pass
				0	NV	-3.161	-0.0018	-2.5 to 2.5	Pass
				10	NV	0.601	0.0003	-2.5 to 2.5	Pass
				30	NV	2.632	0.0015	-2.5 to 2.5	Pass
				40	NV	2.003	0.0012	-2.5 to 2.5	Pass
				50	NV	-1.187	-0.0007	-2.5 to 2.5	Pass
	1732.5	75	0	20	LV	-4.721	-0.0027	-2.5 to 2.5	Pass
					NV	-4.277	-0.0025	-2.5 to 2.5	Pass
					HV	-2.904	-0.0017	-2.5 to 2.5	Pass
				-30	NV	-2.632	-0.0015	-2.5 to 2.5	Pass
				-20	NV	0.687	0.0004	-2.5 to 2.5	Pass
				-10	NV	-3.519	-0.0020	-2.5 to 2.5	Pass
				0	NV	-5.336	-0.0031	-2.5 to 2.5	Pass
				10	NV	-3.548	-0.0020	-2.5 to 2.5	Pass
				30	NV	-5.093	-0.0029	-2.5 to 2.5	Pass
				40	NV	-5.336	-0.0031	-2.5 to 2.5	Pass
				50	NV	-2.089	-0.0012	-2.5 to 2.5	Pass

	1747.5	75	0	20	LV	0.286	0.0002	-2.5 to 2.5	Pass
					NV	-1.159	-0.0007	-2.5 to 2.5	Pass
					HV	1.860	0.0011	-2.5 to 2.5	Pass
				-30	NV	1.287	0.0007	-2.5 to 2.5	Pass
				-20	NV	2.503	0.0014	-2.5 to 2.5	Pass
				-10	NV	-0.458	-0.0003	-2.5 to 2.5	Pass
				0	NV	-1.831	-0.0010	-2.5 to 2.5	Pass
				10	NV	0.072	0.0000	-2.5 to 2.5	Pass
				30	NV	3.734	0.0021	-2.5 to 2.5	Pass
				40	NV	-2.489	-0.0014	-2.5 to 2.5	Pass
				50	NV	-2.718	-0.0016	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	LV	2.604	0.0015	-2.5 to 2.5	Pass
					NV	-0.958	-0.0006	-2.5 to 2.5	Pass
					HV	-2.103	-0.0012	-2.5 to 2.5	Pass
				-30	NV	-2.689	-0.0016	-2.5 to 2.5	Pass
				-20	NV	-1.345	-0.0008	-2.5 to 2.5	Pass
				-10	NV	1.674	0.0010	-2.5 to 2.5	Pass
				0	NV	-0.973	-0.0006	-2.5 to 2.5	Pass
				10	NV	0.615	0.0004	-2.5 to 2.5	Pass
				30	NV	-2.532	-0.0015	-2.5 to 2.5	Pass
				40	NV	0.472	0.0003	-2.5 to 2.5	Pass
				50	NV	-3.591	-0.0021	-2.5 to 2.5	Pass
	1732.5	100	0	20	LV	-4.978	-0.0029	-2.5 to 2.5	Pass
					NV	-2.518	-0.0015	-2.5 to 2.5	Pass
					HV	-5.808	-0.0034	-2.5 to 2.5	Pass
				-30	NV	-5.164	-0.0030	-2.5 to 2.5	Pass
				-20	NV	-4.106	-0.0024	-2.5 to 2.5	Pass
				-10	NV	-3.347	-0.0019	-2.5 to 2.5	Pass
				0	NV	1.445	0.0008	-2.5 to 2.5	Pass
				10	NV	-4.005	-0.0023	-2.5 to 2.5	Pass
				30	NV	-2.832	-0.0016	-2.5 to 2.5	Pass
				40	NV	-4.892	-0.0028	-2.5 to 2.5	Pass
				50	NV	-5.293	-0.0031	-2.5 to 2.5	Pass
	1745	100	0	20	LV	-0.887	-0.0005	-2.5 to 2.5	Pass
					NV	-2.146	-0.0012	-2.5 to 2.5	Pass
					HV	-3.061	-0.0018	-2.5 to 2.5	Pass
				-30	NV	2.246	0.0013	-2.5 to 2.5	Pass
				-20	NV	-5.021	-0.0029	-2.5 to 2.5	Pass
				-10	NV	-1.988	-0.0011	-2.5 to 2.5	Pass
				0	NV	-0.243	-0.0001	-2.5 to 2.5	Pass
				10	NV	2.317	0.0013	-2.5 to 2.5	Pass
				30	NV	-3.176	-0.0018	-2.5 to 2.5	Pass
				40	NV	-5.608	-0.0032	-2.5 to 2.5	Pass
				50	NV	-1.674	-0.0010	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	LV	0.844	0.0005	-2.5 to 2.5	Pass
					NV	-0.486	-0.0003	-2.5 to 2.5	Pass
					HV	0.329	0.0002	-2.5 to 2.5	Pass
				-30	NV	-2.646	-0.0015	-2.5 to 2.5	Pass
				-20	NV	-1.831	-0.0011	-2.5 to 2.5	Pass
				-10	NV	-1.087	-0.0006	-2.5 to 2.5	Pass
				0	NV	-4.621	-0.0027	-2.5 to 2.5	Pass
				10	NV	-1.545	-0.0009	-2.5 to 2.5	Pass

				30	NV	-3.390	-0.0020	-2.5 to 2.5	Pass
				40	NV	0.272	0.0002	-2.5 to 2.5	Pass
				50	NV	0.243	0.0001	-2.5 to 2.5	Pass
	1732.5	100	0	20	LV	-4.106	-0.0024	-2.5 to 2.5	Pass
					NV	-3.319	-0.0019	-2.5 to 2.5	Pass
					HV	-3.204	-0.0018	-2.5 to 2.5	Pass
				-30	NV	0.386	0.0002	-2.5 to 2.5	Pass
				-20	NV	-4.478	-0.0026	-2.5 to 2.5	Pass
				-10	NV	-3.963	-0.0023	-2.5 to 2.5	Pass
				0	NV	-1.488	-0.0009	-2.5 to 2.5	Pass
				10	NV	-0.973	-0.0006	-2.5 to 2.5	Pass
				30	NV	-4.106	-0.0024	-2.5 to 2.5	Pass
				40	NV	-4.177	-0.0024	-2.5 to 2.5	Pass
				50	NV	-4.506	-0.0026	-2.5 to 2.5	Pass
	1745	100	0	20	LV	3.691	0.0021	-2.5 to 2.5	Pass
					NV	-0.572	-0.0003	-2.5 to 2.5	Pass
					HV	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	NV	-2.632	-0.0015	-2.5 to 2.5	Pass
				-20	NV	1.788	0.0010	-2.5 to 2.5	Pass
				-10	NV	-2.503	-0.0014	-2.5 to 2.5	Pass
				0	NV	-0.973	-0.0006	-2.5 to 2.5	Pass
				10	NV	-3.061	-0.0018	-2.5 to 2.5	Pass
				30	NV	1.788	0.0010	-2.5 to 2.5	Pass
				40	NV	-1.631	-0.0009	-2.5 to 2.5	Pass
				50	NV	2.632	0.0015	-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 / 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	50	0	Refer To Test Graph		Pass

3.1.5 B4_15MHz

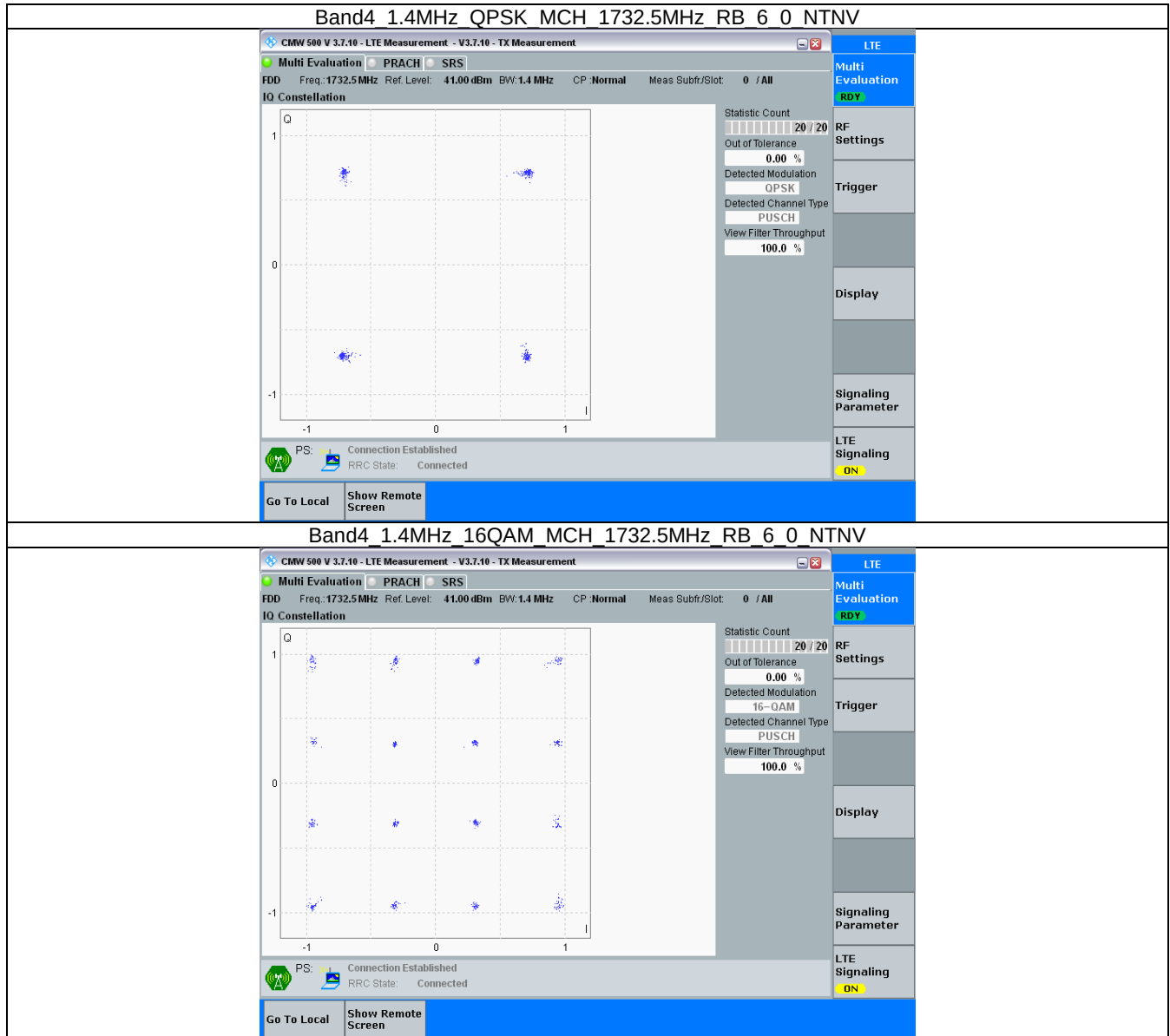
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

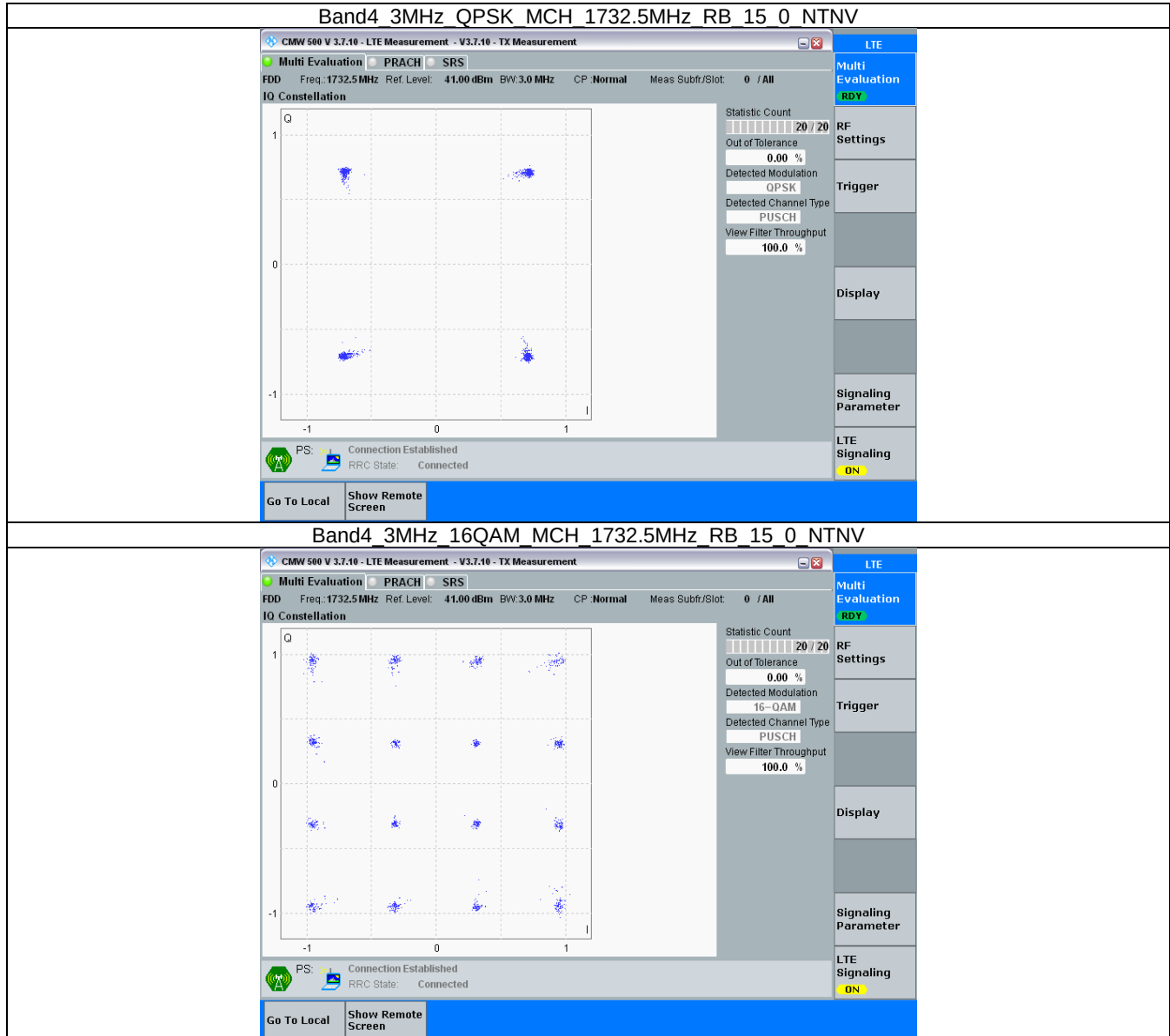
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

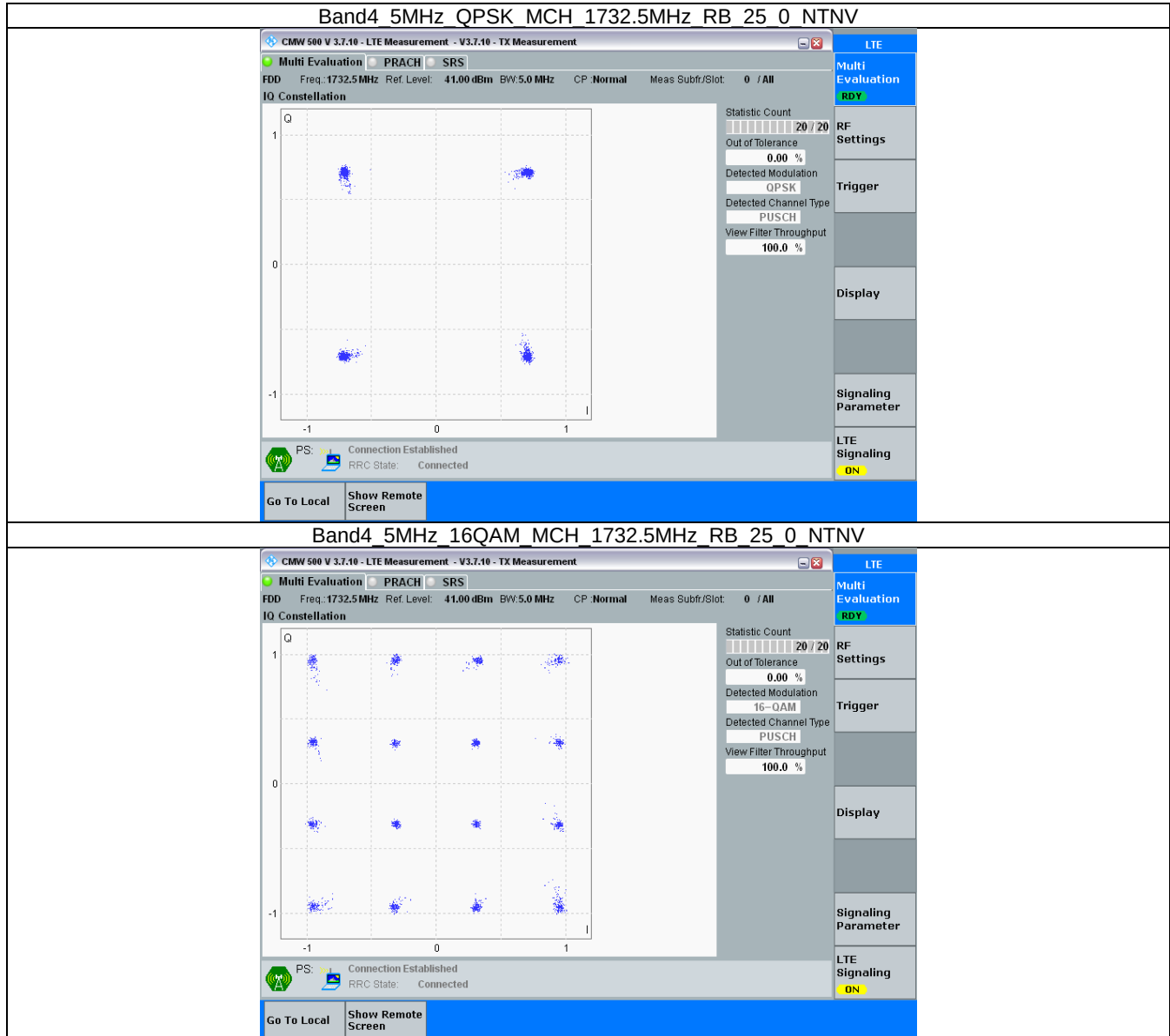
3.2.1 B4_1.4MHz



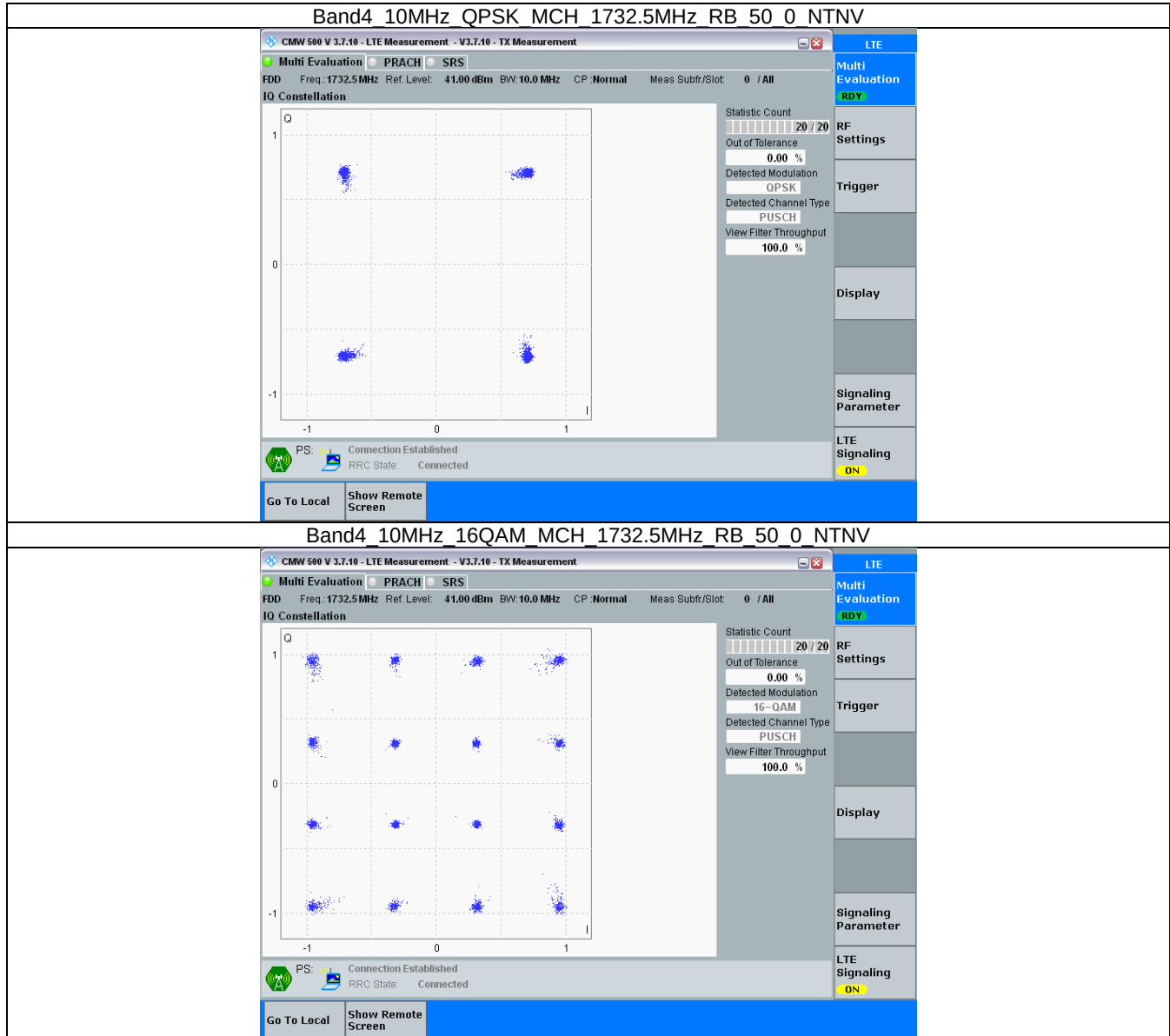
3.2.2 B4_3MHz



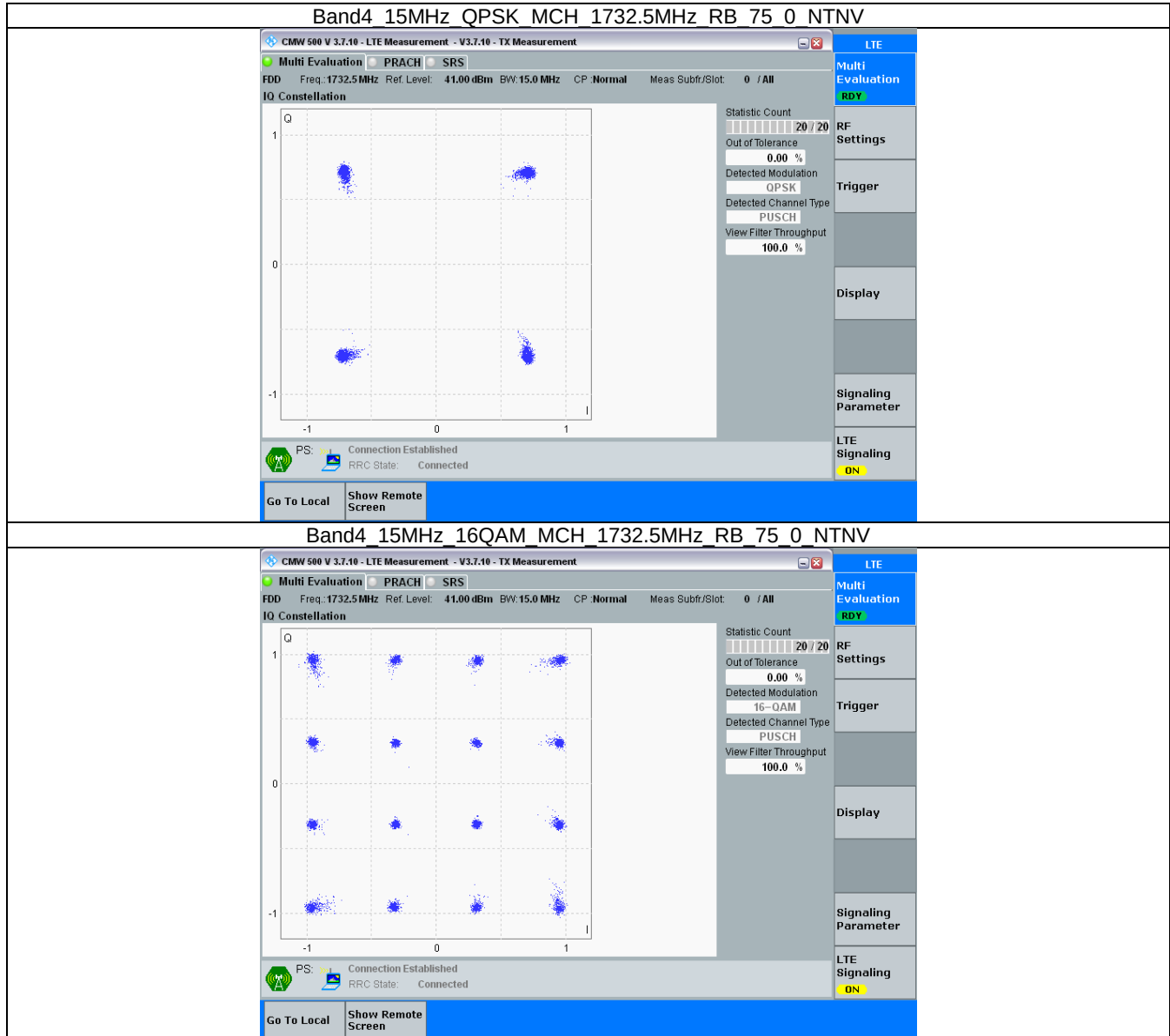
3.2.3 B4_5MHz



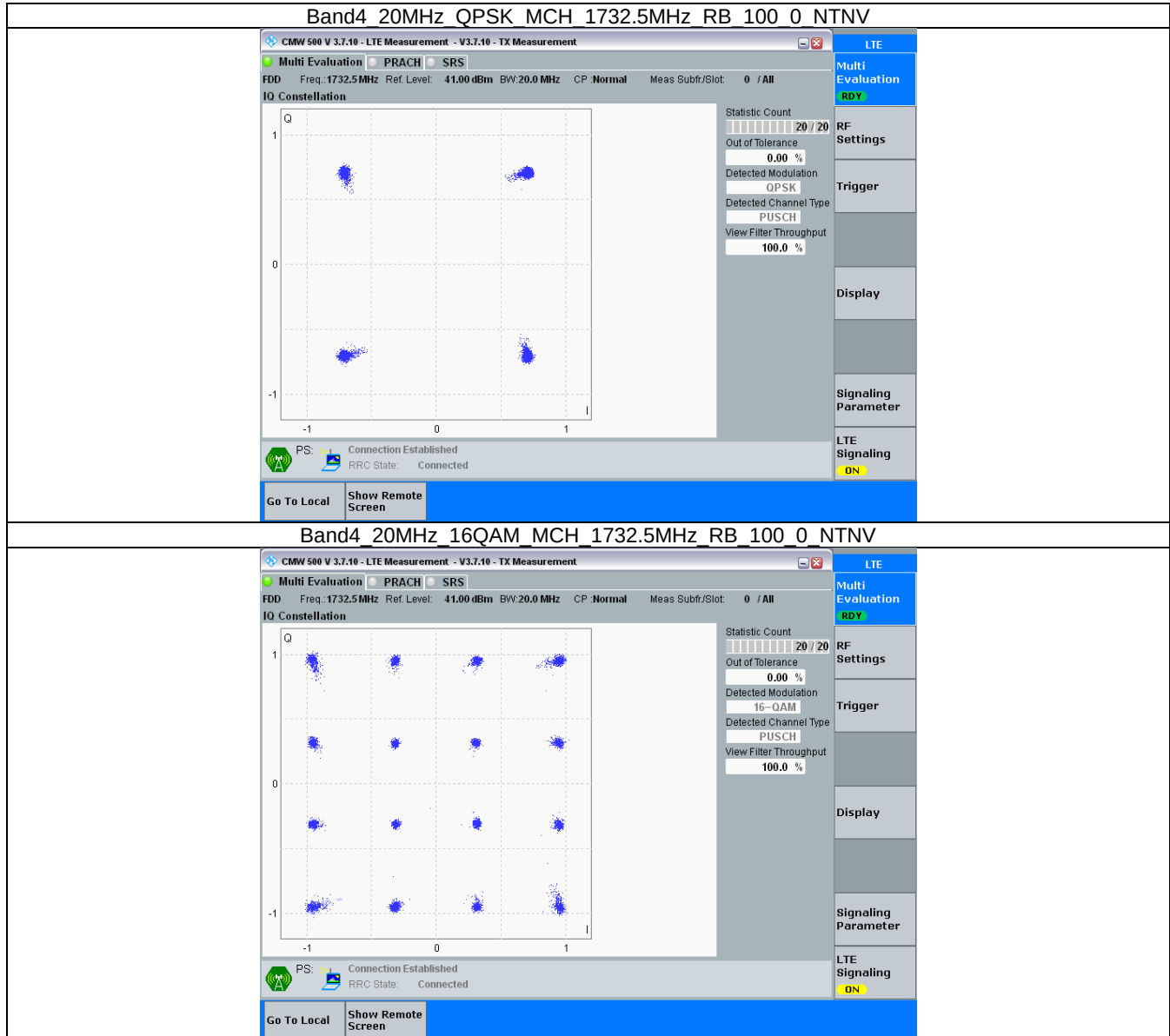
3.2.4 B4_10MHz



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 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.081	/	Pass
		1732.5	6	0	1.082	/	Pass
		1754.3	6	0	1.081	/	Pass
	16QAM	1710.7	6	0	1.084	/	Pass
		1732.5	6	0	1.082	/	Pass
		1754.3	6	0	1.085	/	Pass
3	QPSK	1711.5	15	0	2.679	/	Pass
		1732.5	15	0	2.683	/	Pass
		1753.5	15	0	2.678	/	Pass
	16QAM	1711.5	15	0	2.684	/	Pass
		1732.5	15	0	2.687	/	Pass
		1753.5	15	0	2.677	/	Pass
5	QPSK	1712.5	25	0	4.479	/	Pass
		1732.5	25	0	4.486	/	Pass
		1752.5	25	0	4.486	/	Pass
	16QAM	1712.5	25	0	4.479	/	Pass
		1732.5	25	0	4.472	/	Pass
		1752.5	25	0	4.470	/	Pass
10	QPSK	1715	50	0	8.959	/	Pass
		1732.5	50	0	8.962	/	Pass
		1750	50	0	8.960	/	Pass
	16QAM	1715	50	0	8.953	/	Pass
		1732.5	50	0	8.953	/	Pass
		1750	50	0	8.954	/	Pass
15	QPSK	1717.5	75	0	13.441	/	Pass
		1732.5	75	0	13.412	/	Pass
		1747.5	75	0	13.439	/	Pass
	16QAM	1717.5	75	0	13.454	/	Pass
		1732.5	75	0	13.454	/	Pass
		1747.5	75	0	13.437	/	Pass
20	QPSK	1720	100	0	17.871	/	Pass
		1732.5	100	0	17.869	/	Pass
		1745	100	0	17.865	/	Pass
	16QAM	1720	100	0	17.893	/	Pass
		1732.5	100	0	17.909	/	Pass
		1745	100	0	17.898	/	Pass

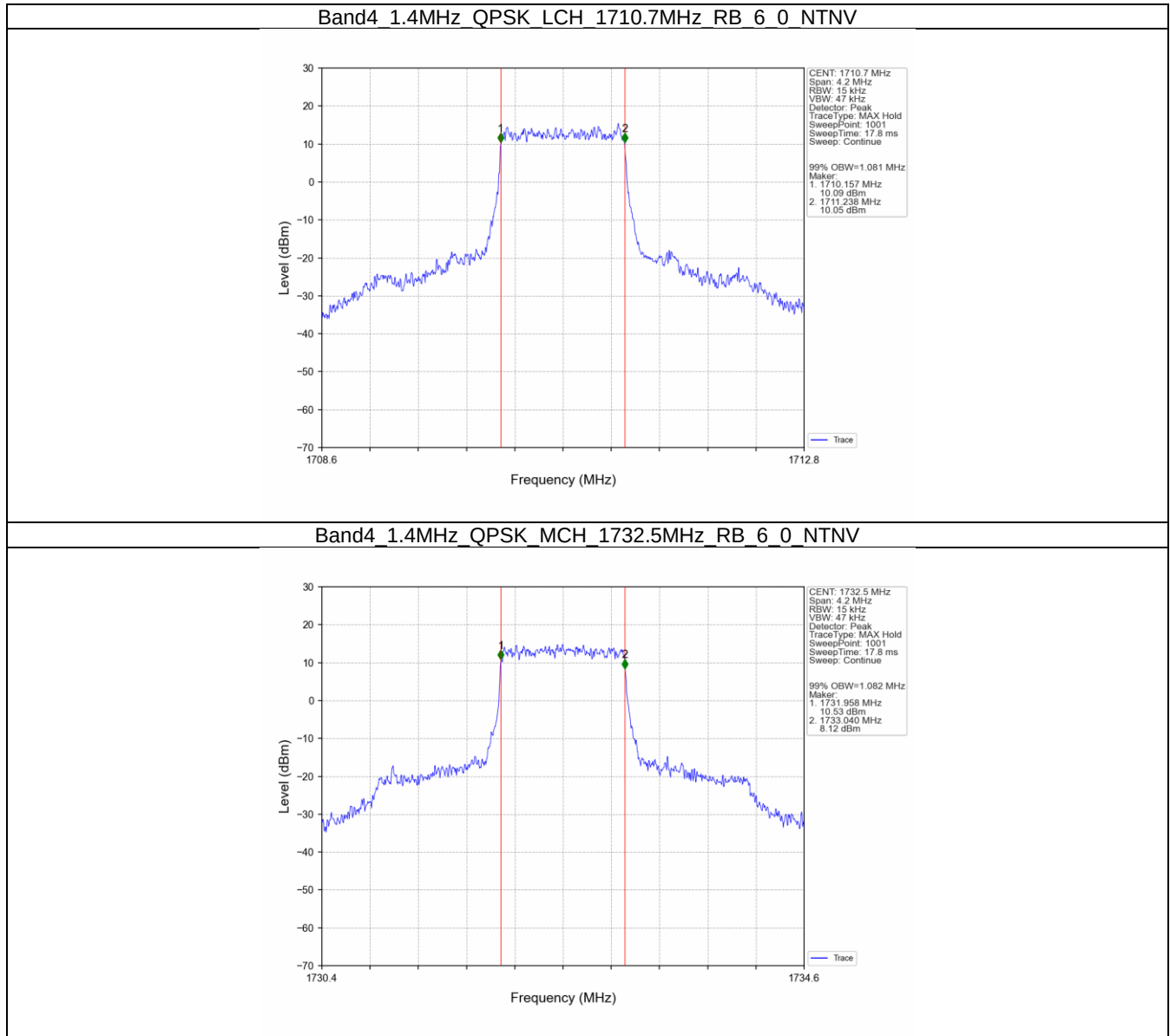
4.1.2 Band4_XDB

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.246	/	Pass
		1732.5	6	0	1.272	/	Pass
		1754.3	6	0	1.235	/	Pass
	16QAM	1710.7	6	0	1.238	/	Pass
		1732.5	6	0	1.223	/	Pass
		1754.3	6	0	1.252	/	Pass
3	QPSK	1711.5	15	0	2.922	/	Pass

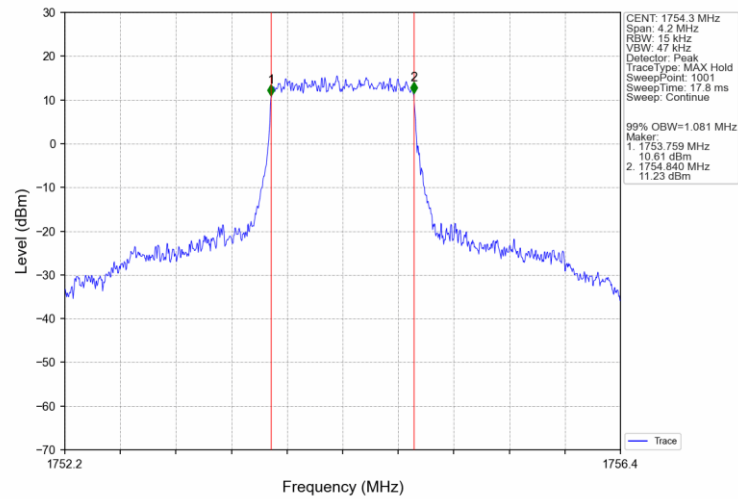
	16QAM	1732.5	15	0	2.956	/	Pass
		1753.5	15	0	2.917	/	Pass
		1711.5	15	0	2.924	/	Pass
		1732.5	15	0	2.925	/	Pass
		1753.5	15	0	2.919	/	Pass
5	QPSK	1712.5	25	0	4.856	/	Pass
		1732.5	25	0	4.848	/	Pass
		1752.5	25	0	4.818	/	Pass
	16QAM	1712.5	25	0	4.857	/	Pass
		1732.5	25	0	4.840	/	Pass
		1752.5	25	0	4.810	/	Pass
10	QPSK	1715	50	0	9.682	/	Pass
		1732.5	50	0	9.546	/	Pass
		1750	50	0	9.598	/	Pass
	16QAM	1715	50	0	9.604	/	Pass
		1732.5	50	0	9.590	/	Pass
		1750	50	0	9.531	/	Pass
15	QPSK	1717.5	75	0	14.392	/	Pass
		1732.5	75	0	14.397	/	Pass
		1747.5	75	0	14.307	/	Pass
	16QAM	1717.5	75	0	14.191	/	Pass
		1732.5	75	0	14.391	/	Pass
		1747.5	75	0	14.392	/	Pass
20	QPSK	1720	100	0	19.173	/	Pass
		1732.5	100	0	19.018	/	Pass
		1745	100	0	19.043	/	Pass
	16QAM	1720	100	0	19.047	/	Pass
		1732.5	100	0	19.048	/	Pass
		1745	100	0	19.112	/	Pass

4.2 Test Graph

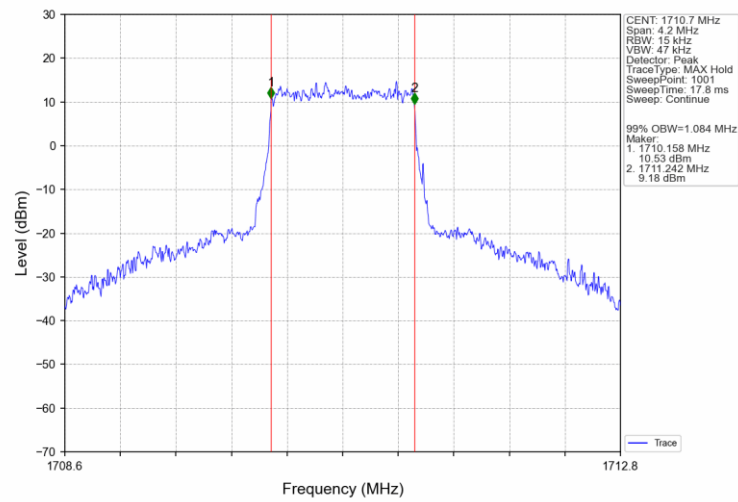
4.2.1 Band4_OBW



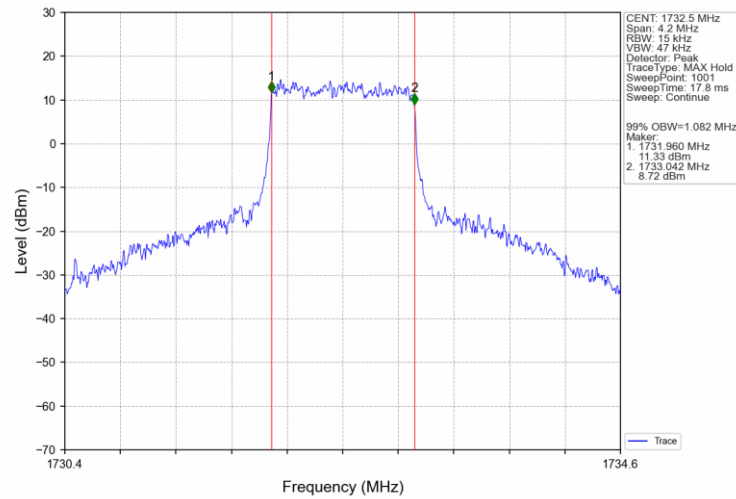
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



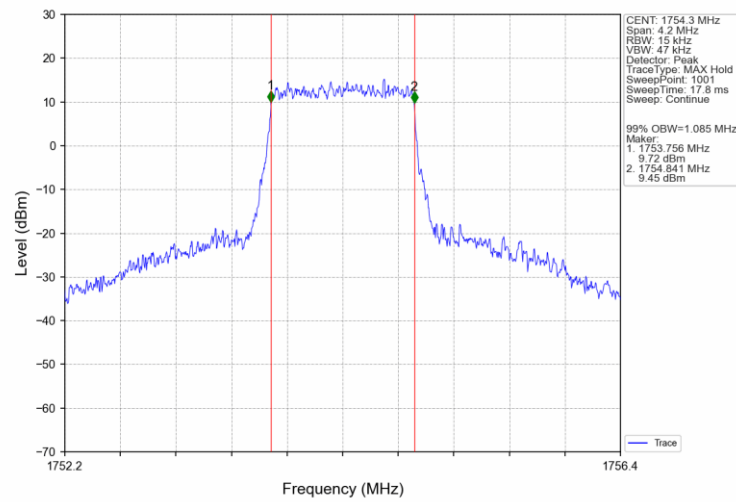
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



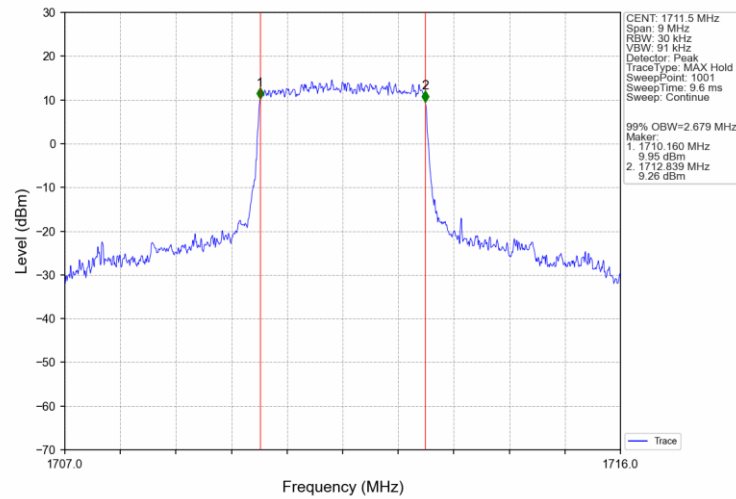
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



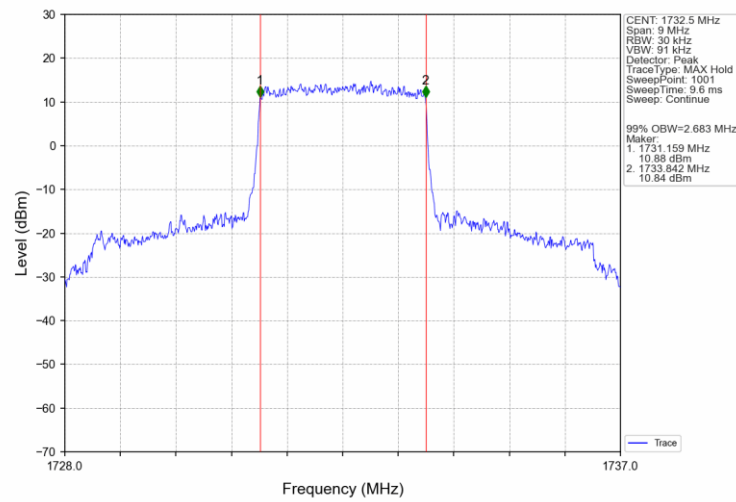
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



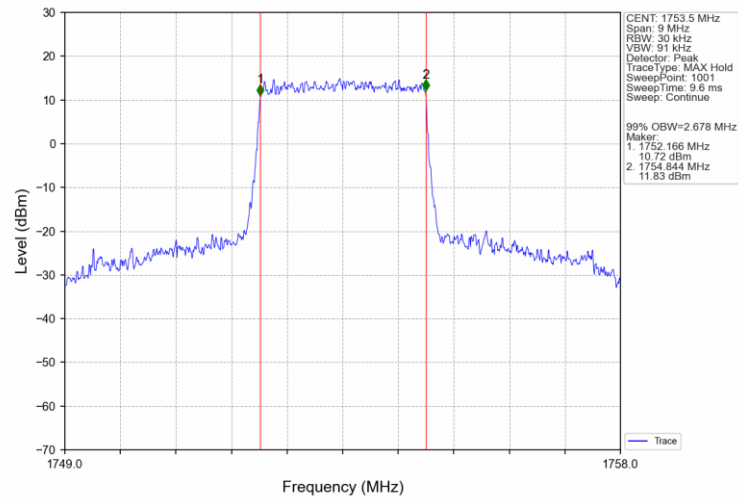
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



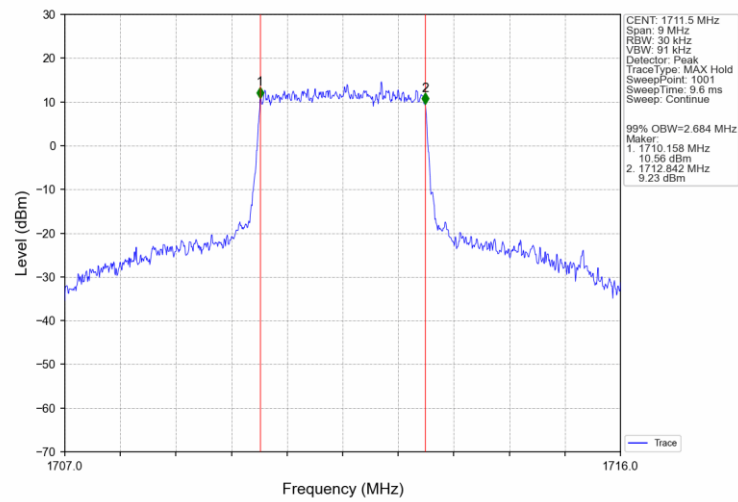
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



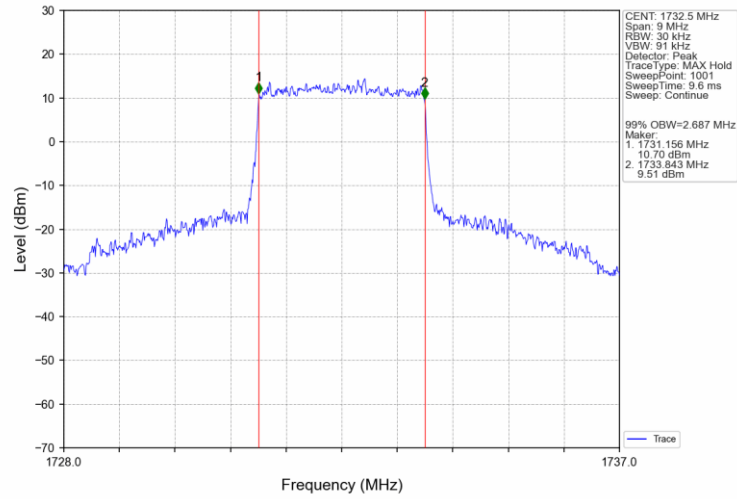
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



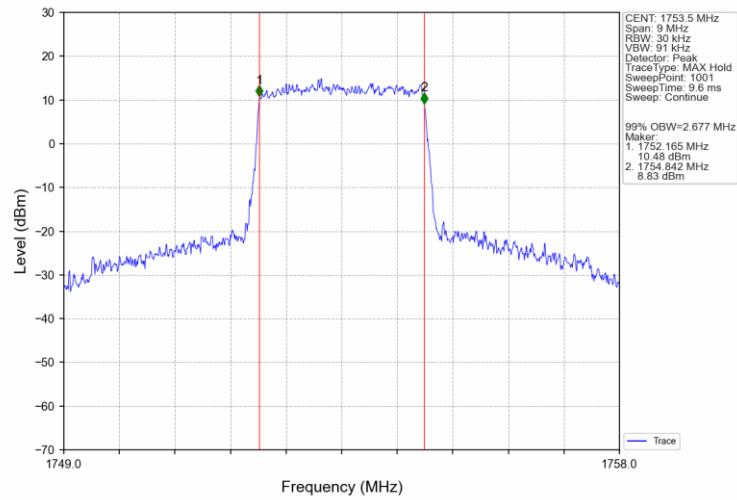
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



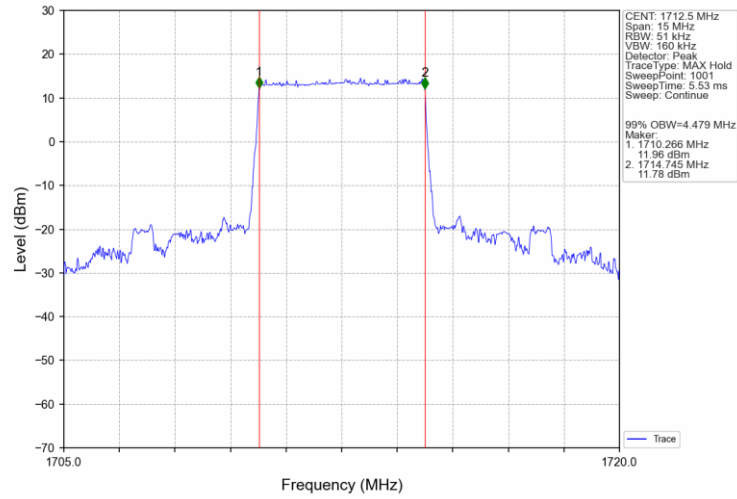
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTN



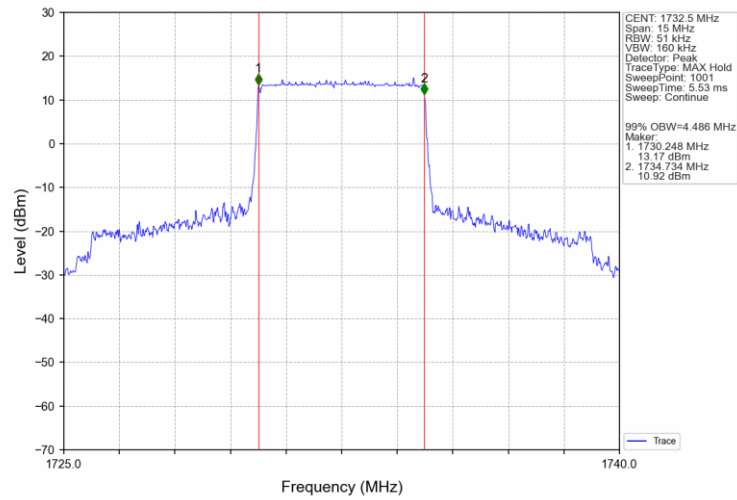
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTN



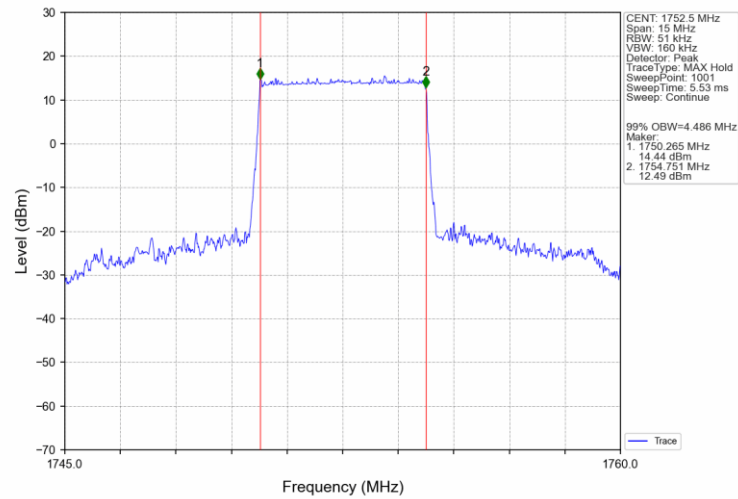
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTV



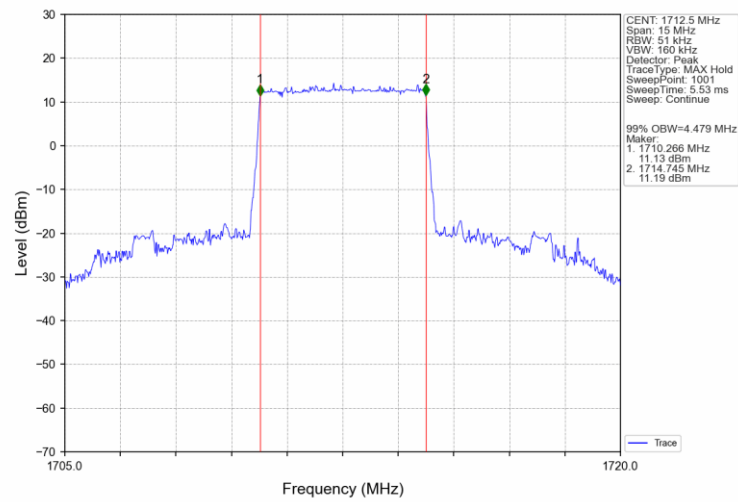
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTV



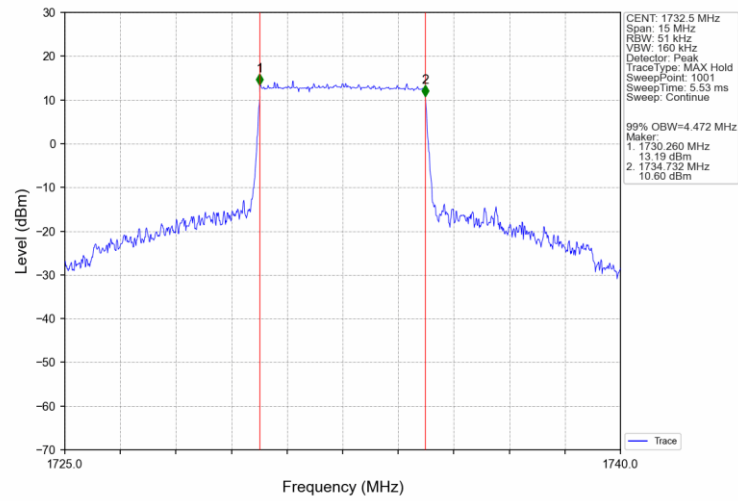
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



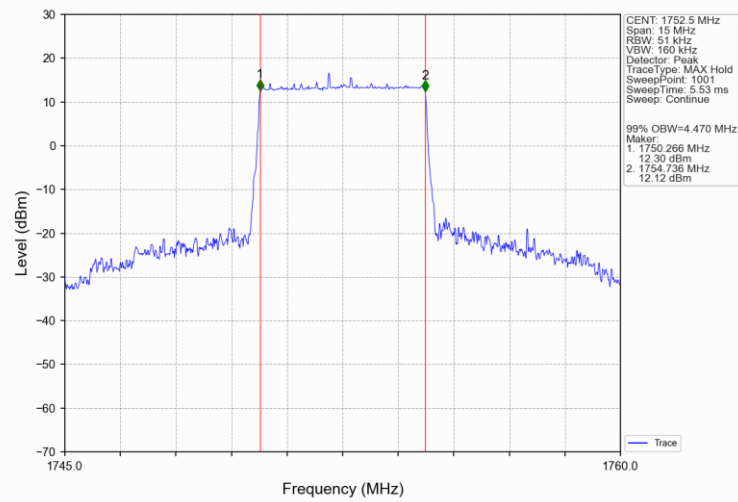
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



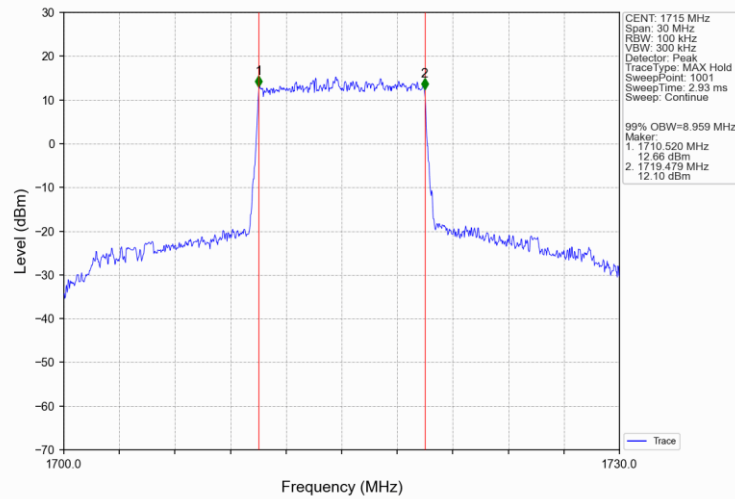
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTN



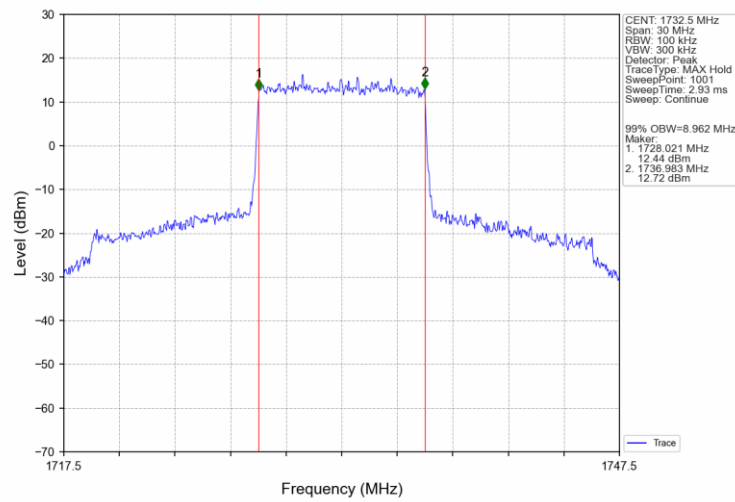
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTN



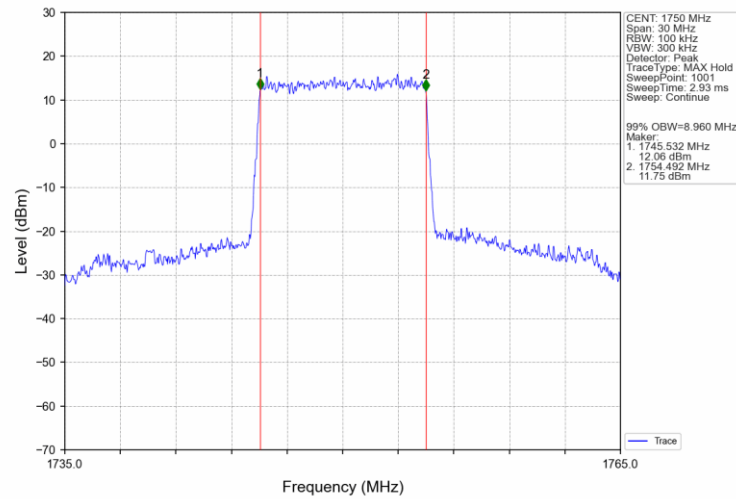
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



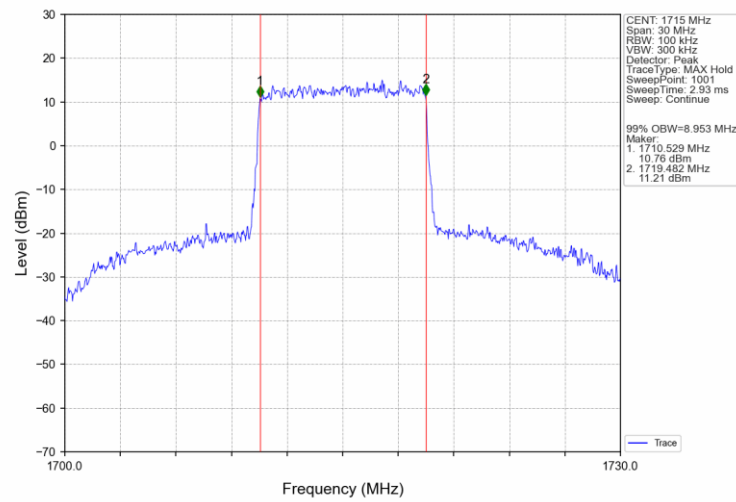
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



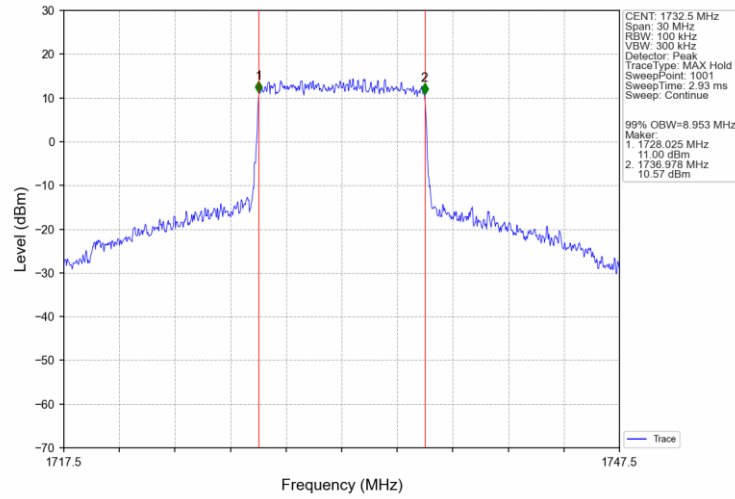
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



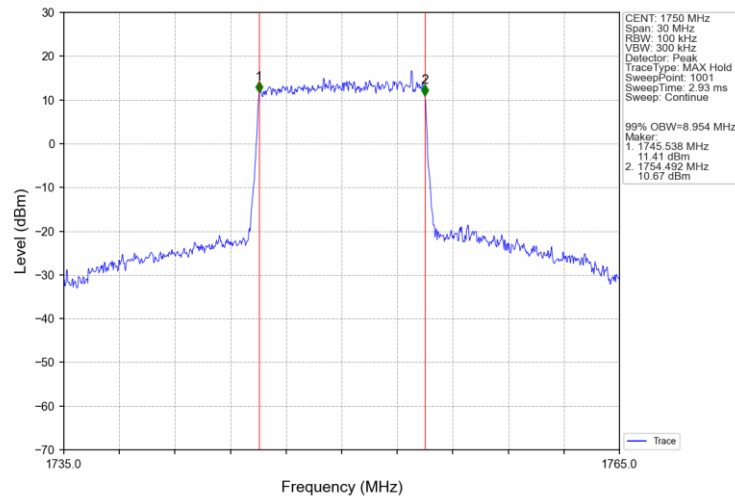
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



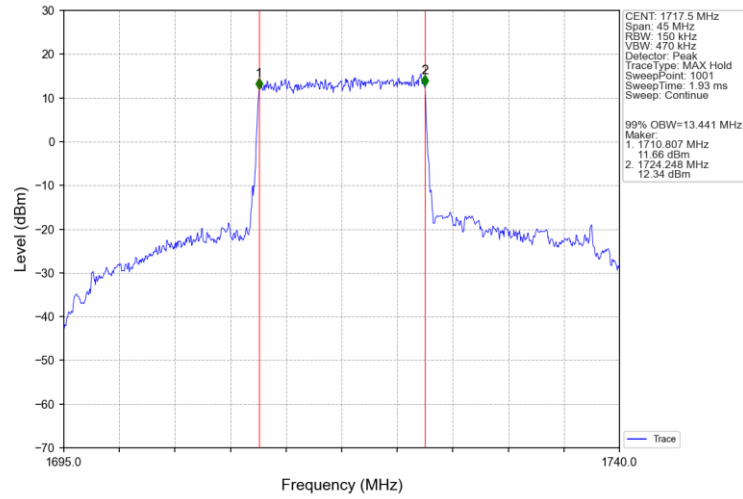
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



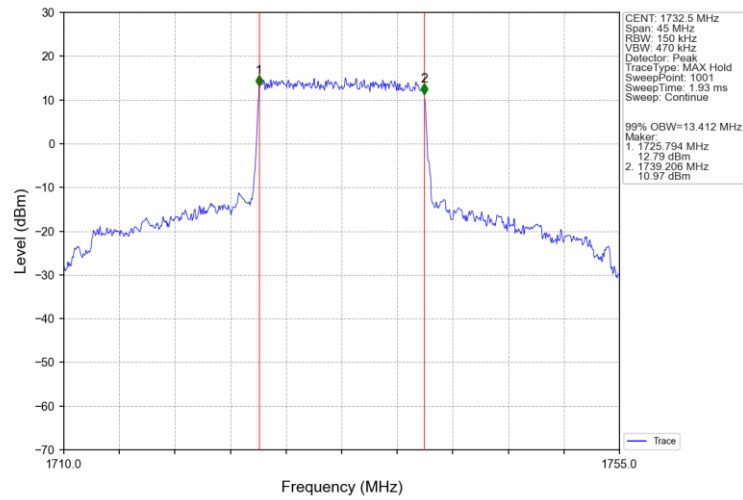
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



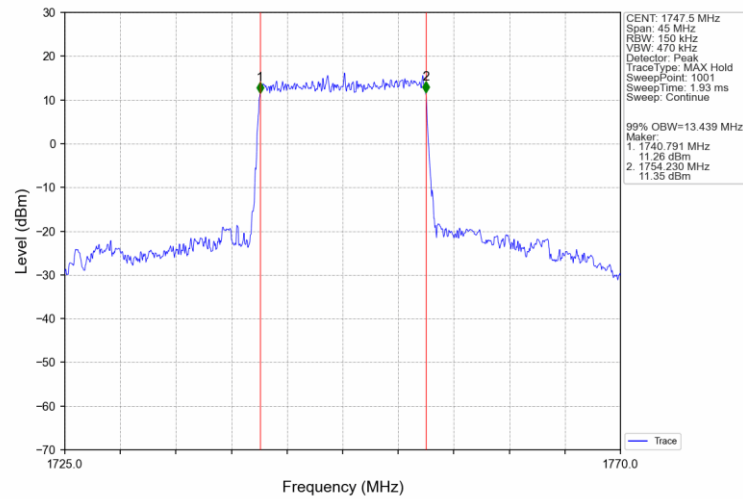
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



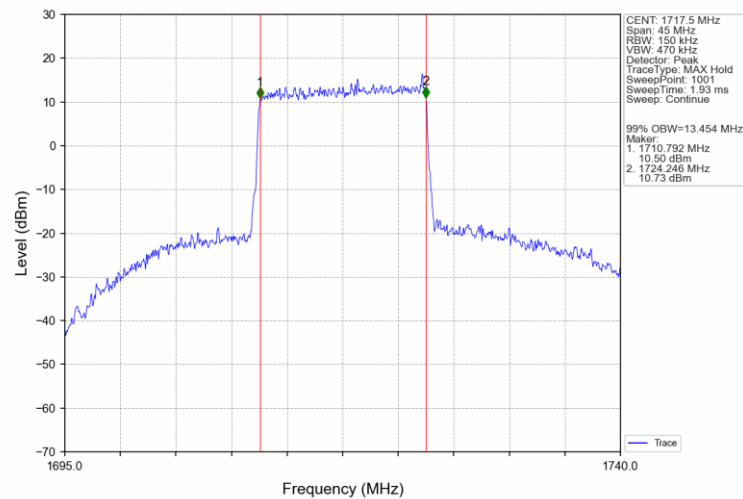
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



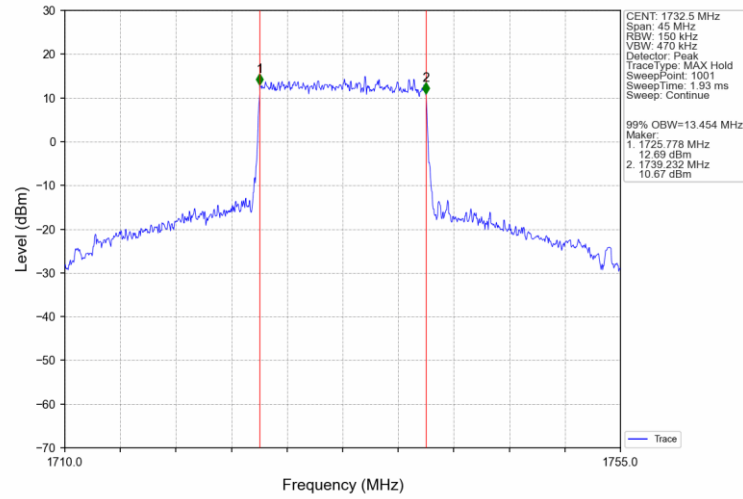
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



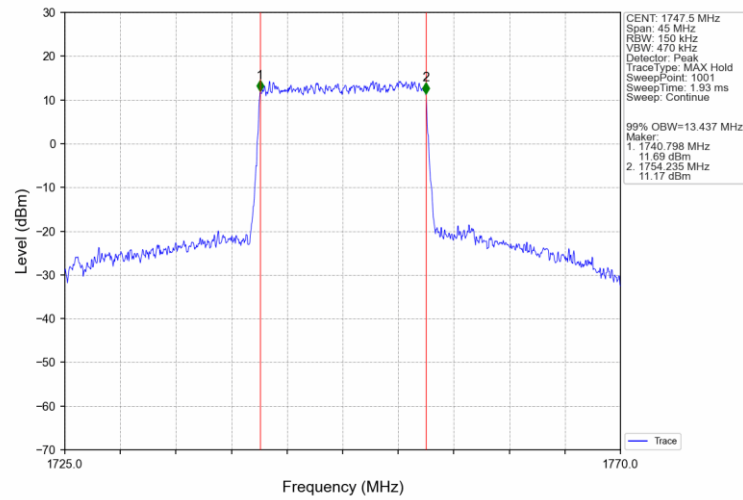
Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



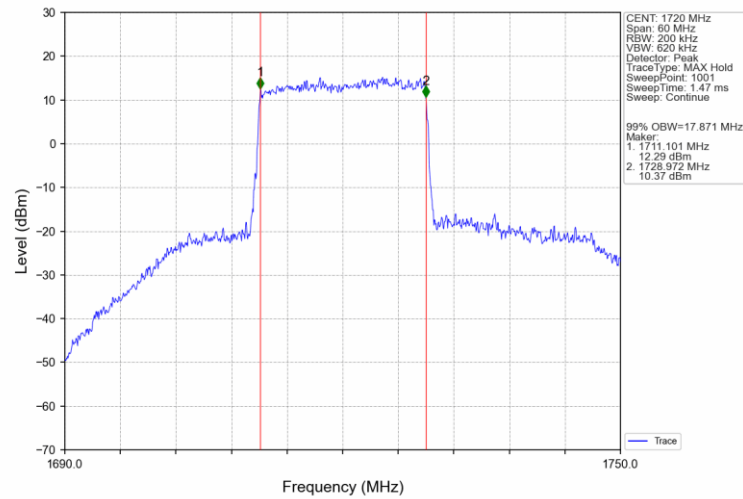
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTNV



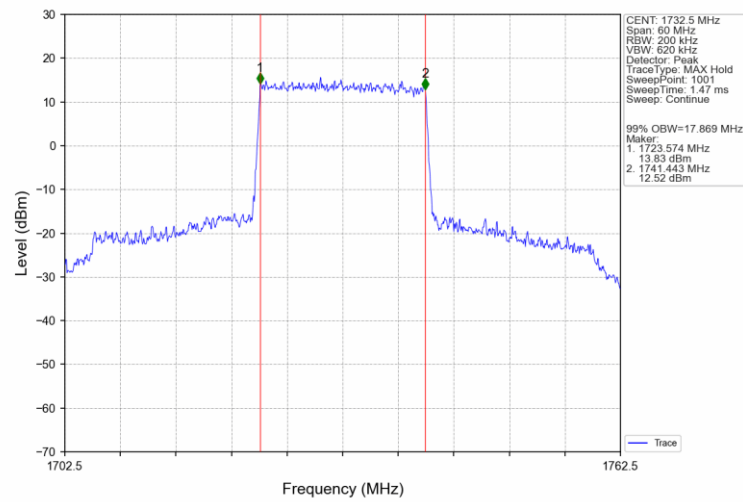
Band4 15MHz 16QAM HCH 1747.5MHz RB 75 0 NTNV



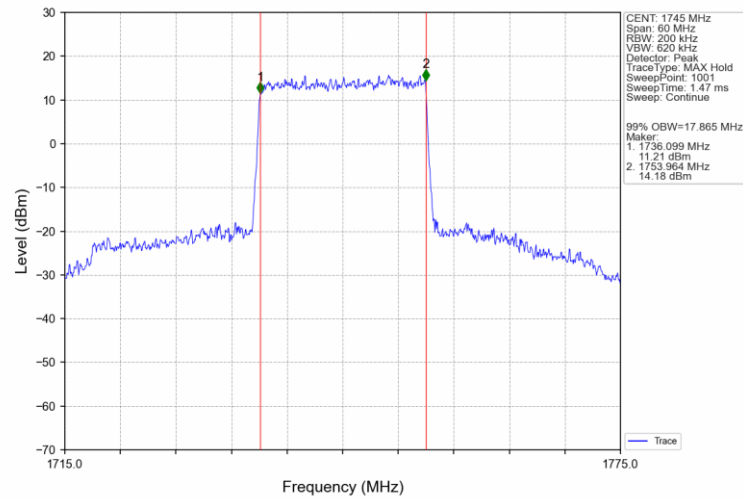
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



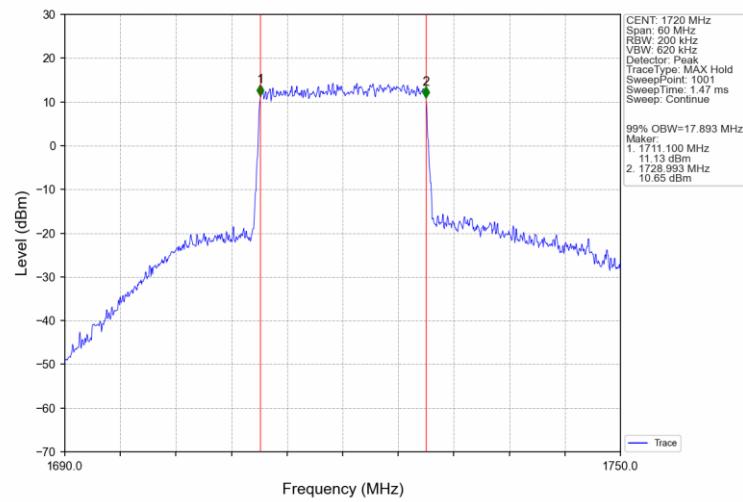
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



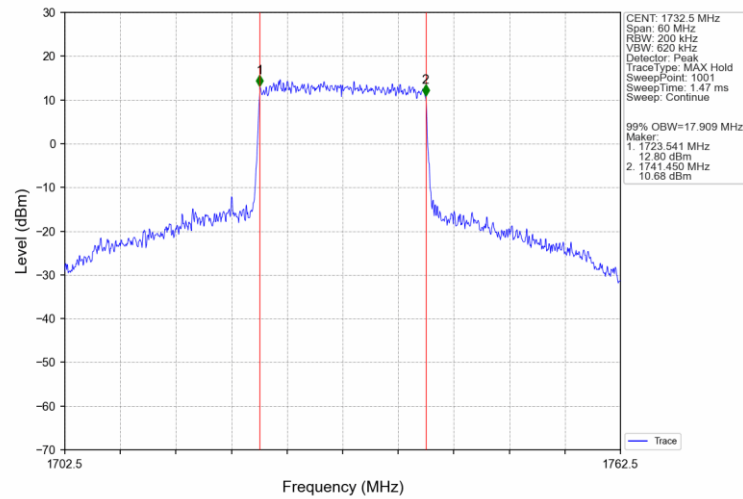
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTV



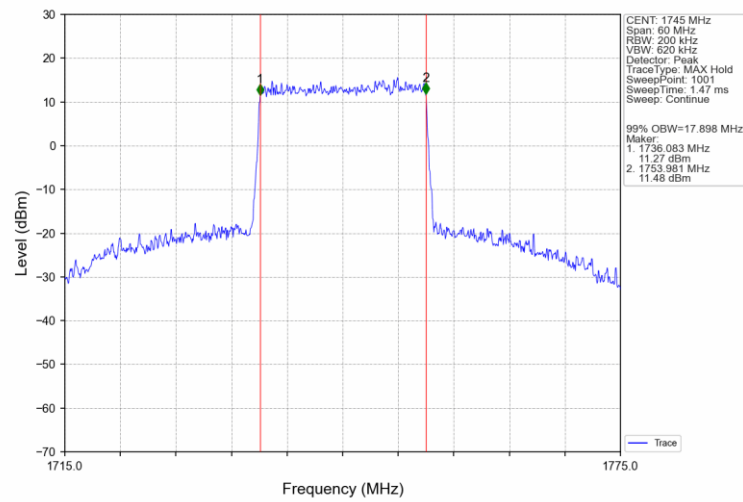
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

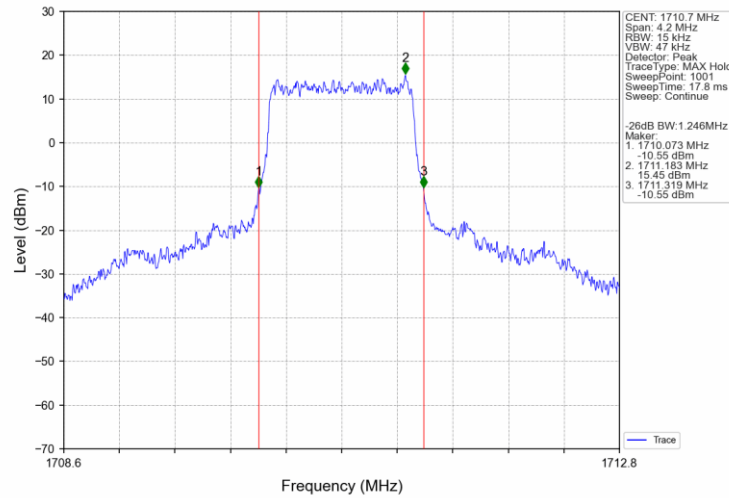


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

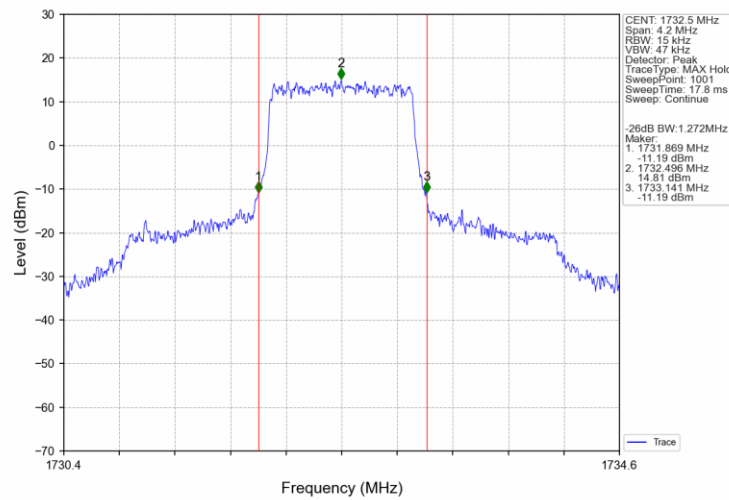


4.2.2 Band4_XDB

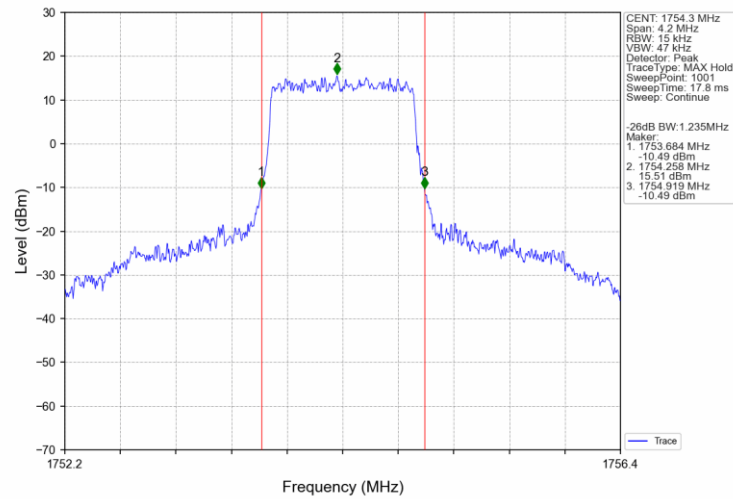
Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV



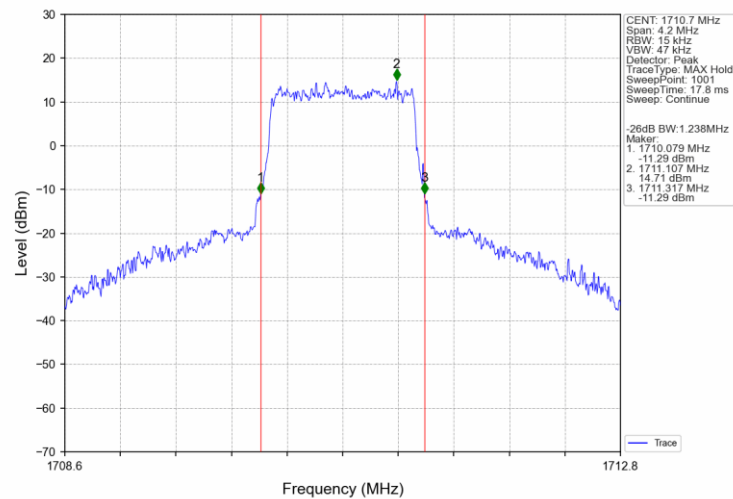
Band4 1.4MHz QPSK MCH 1732.5MHz RB 6 0 NTV



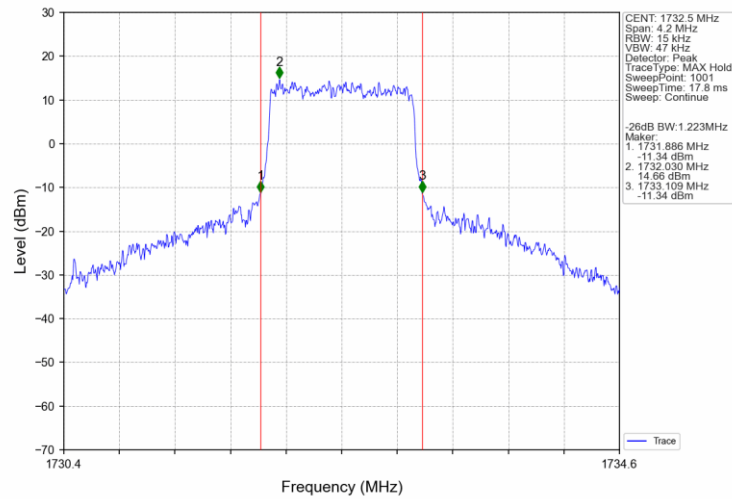
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



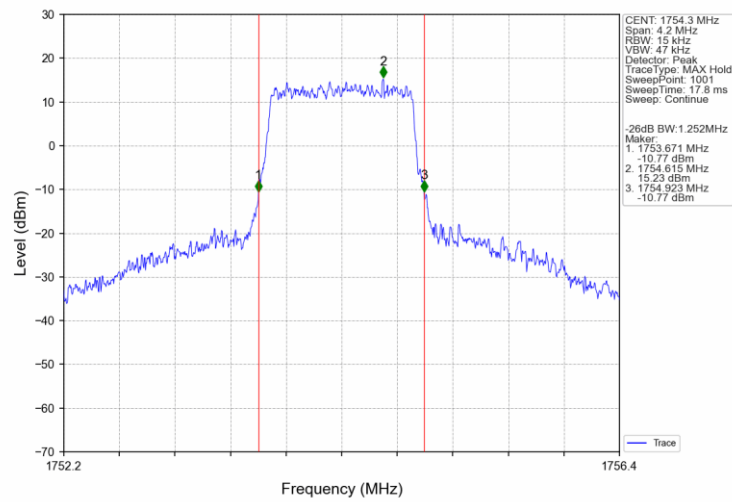
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



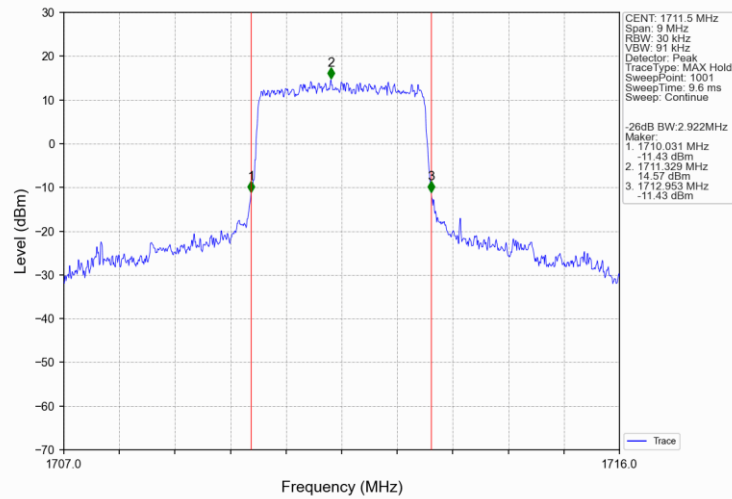
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



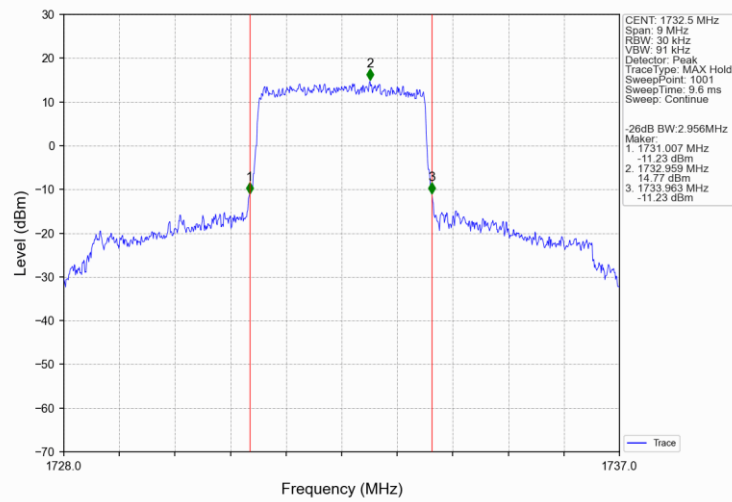
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



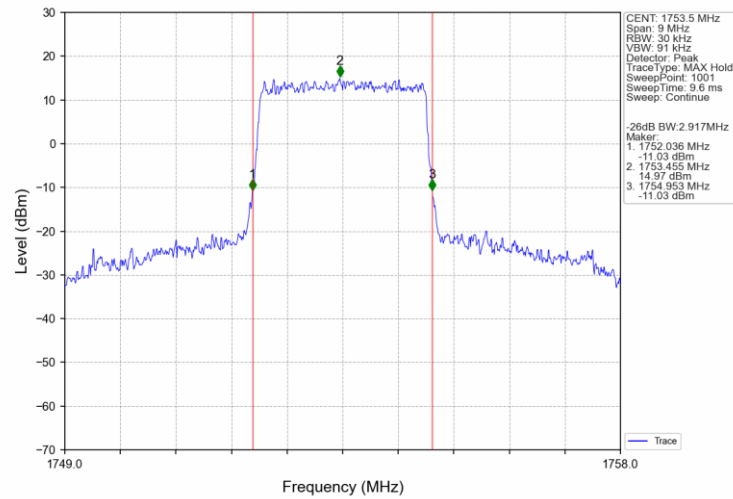
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTV



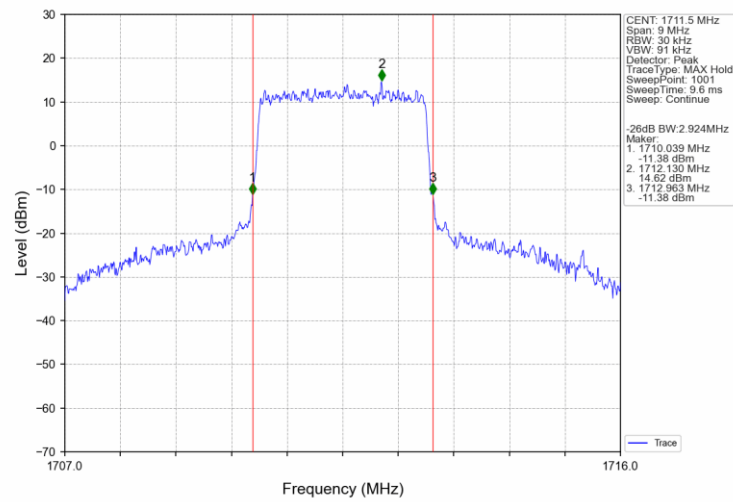
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTV



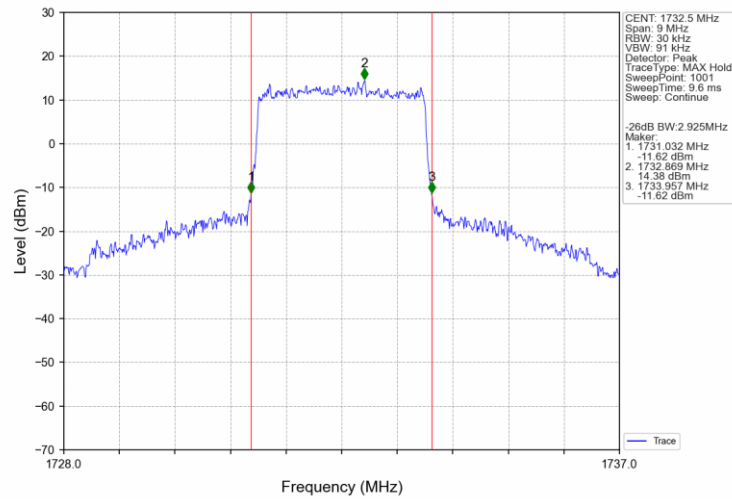
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



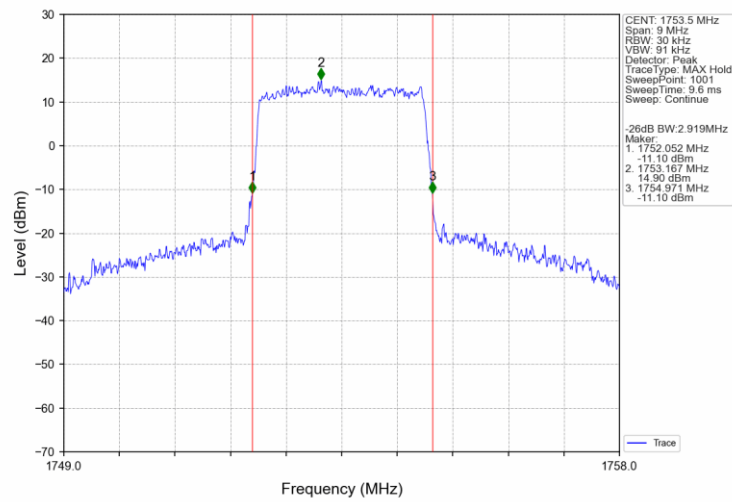
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



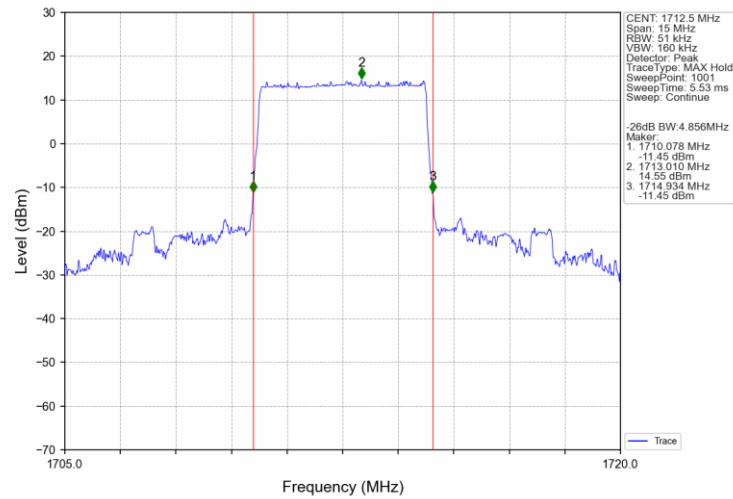
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



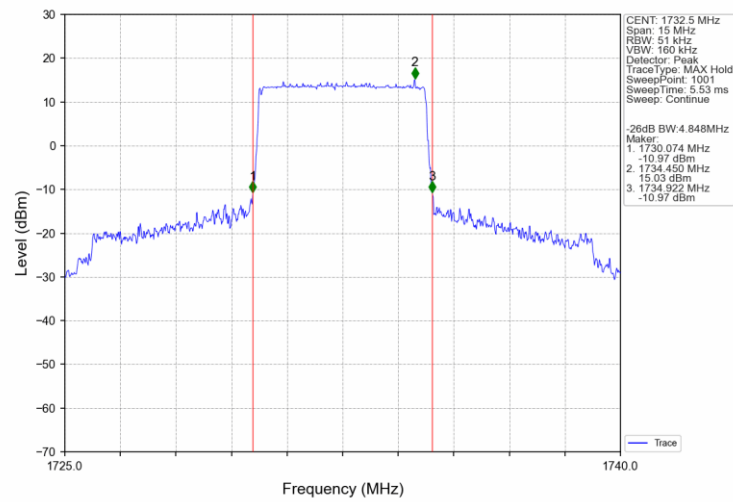
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



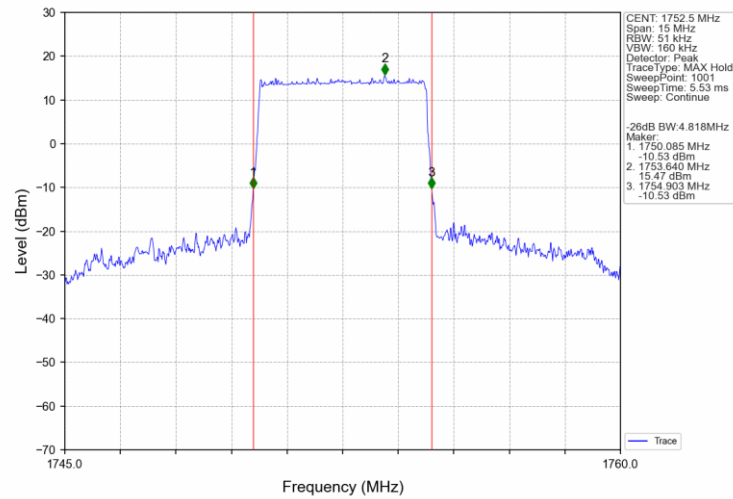
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



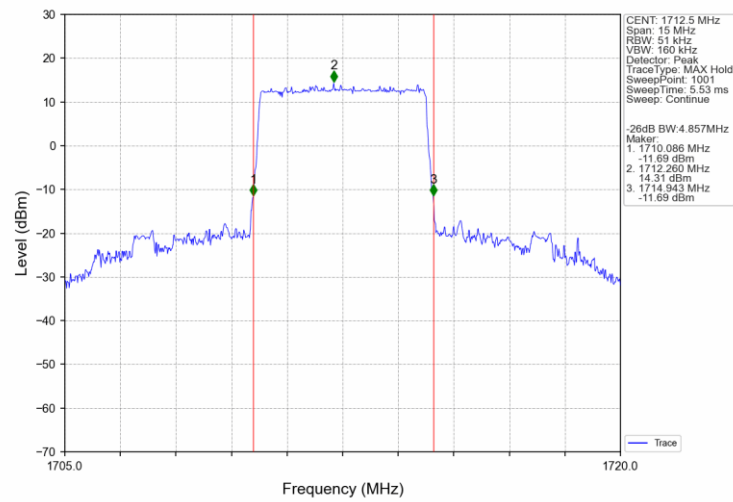
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



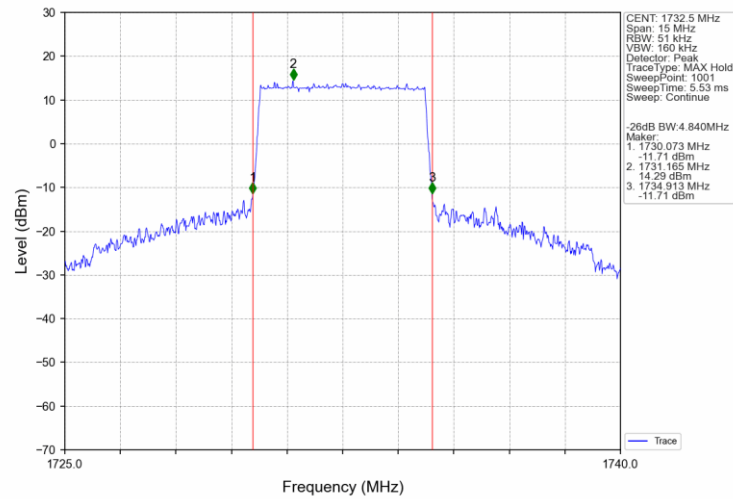
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



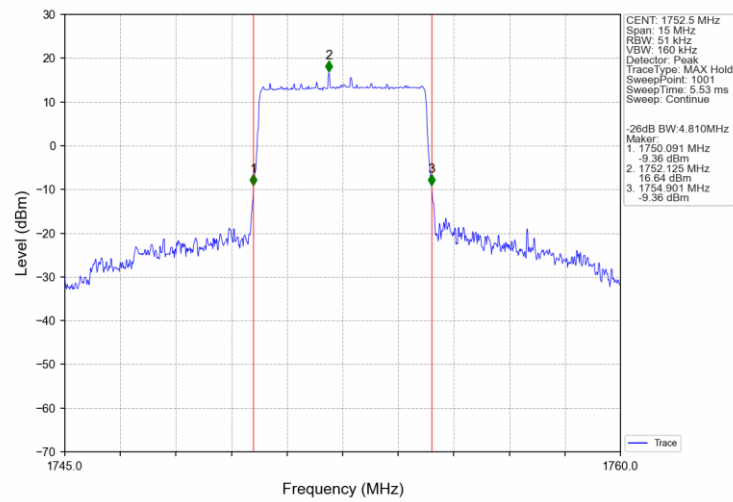
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



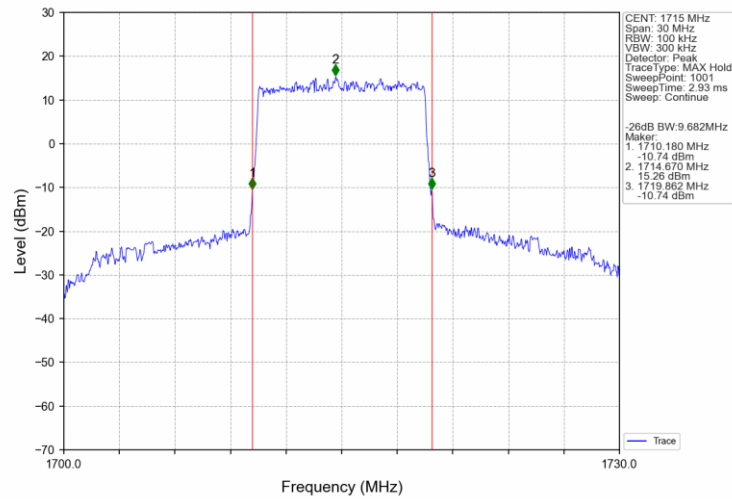
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTN



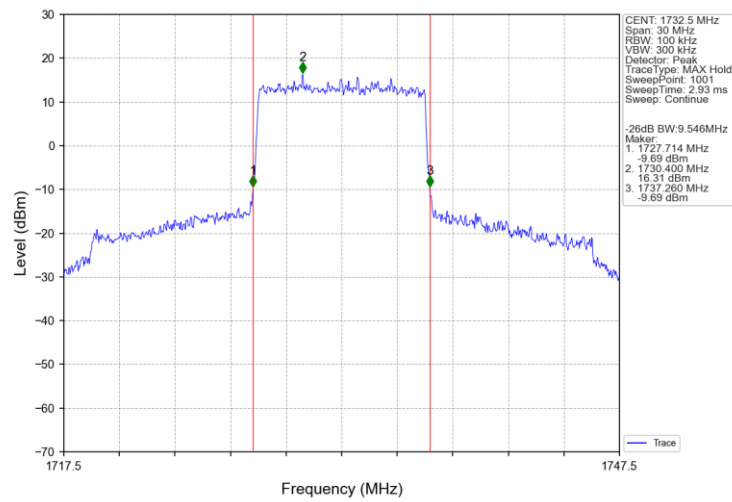
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTN



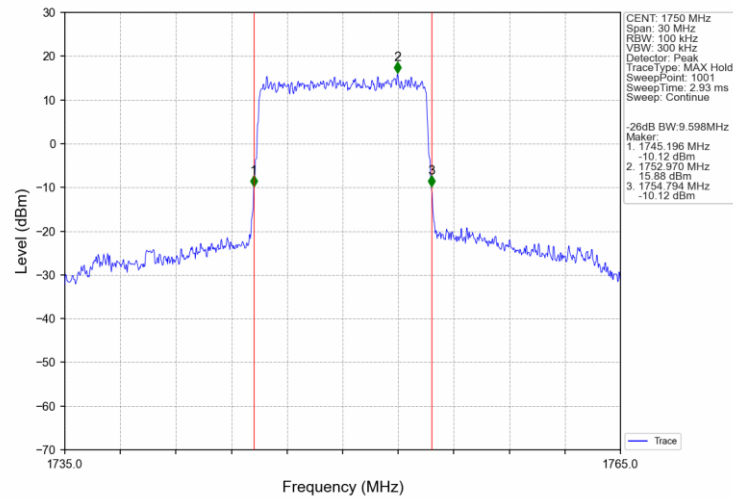
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



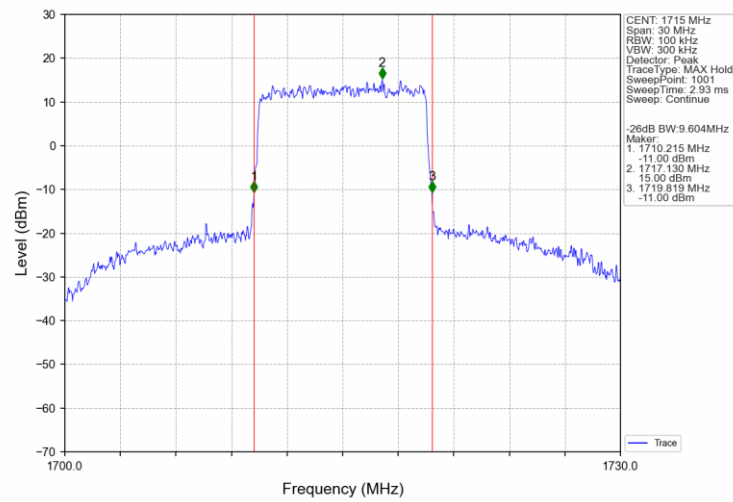
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN



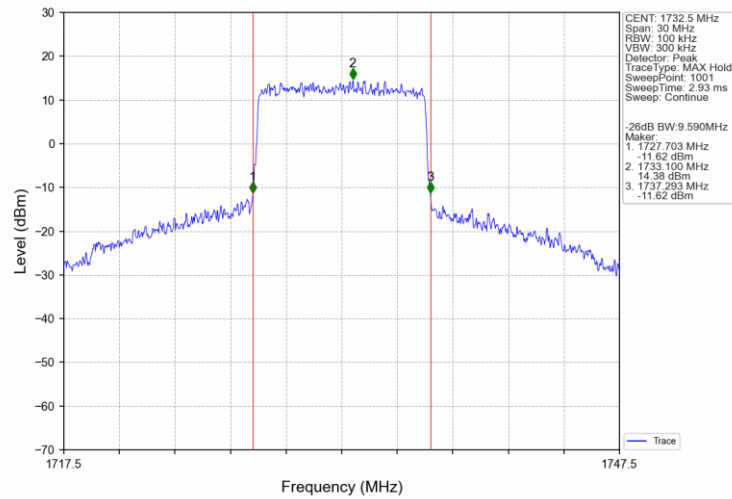
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



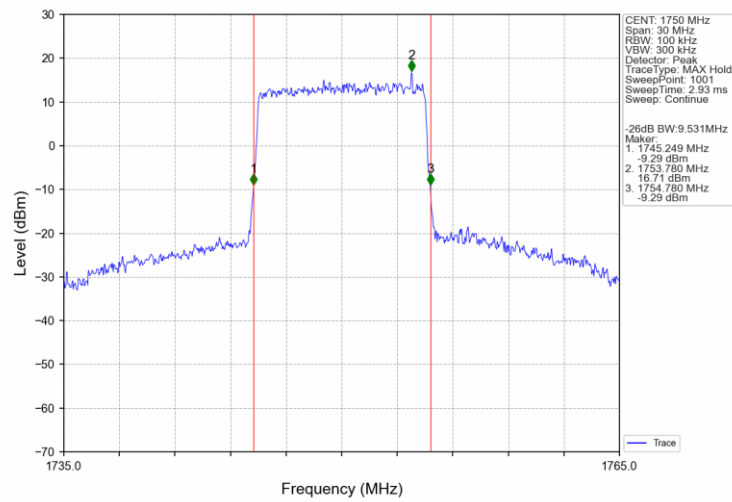
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



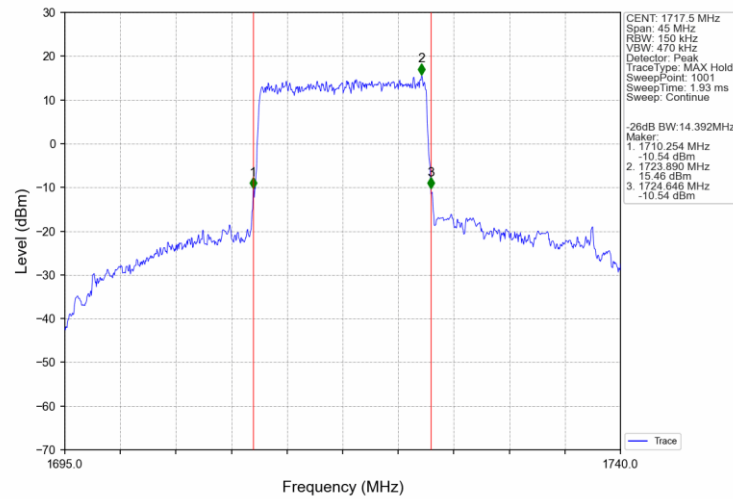
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



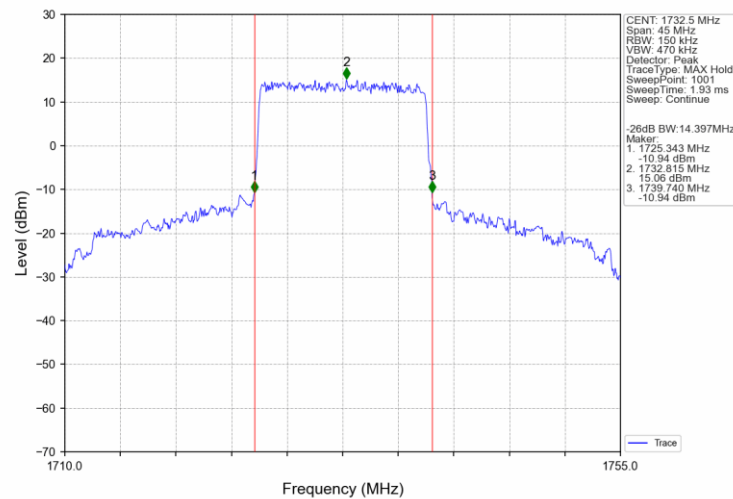
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



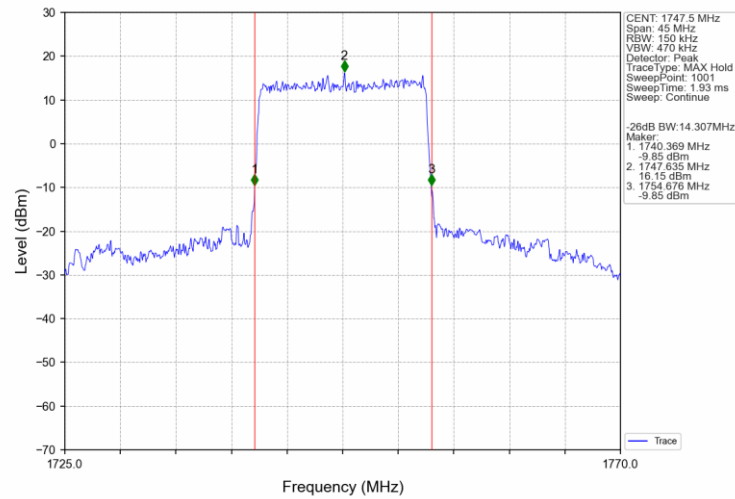
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



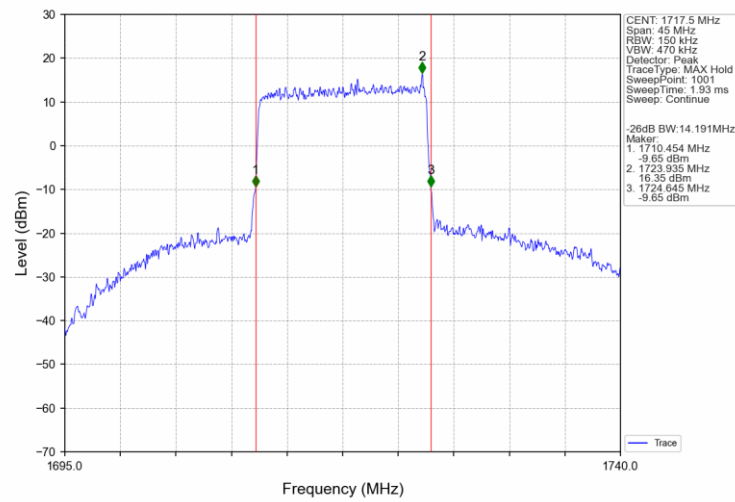
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



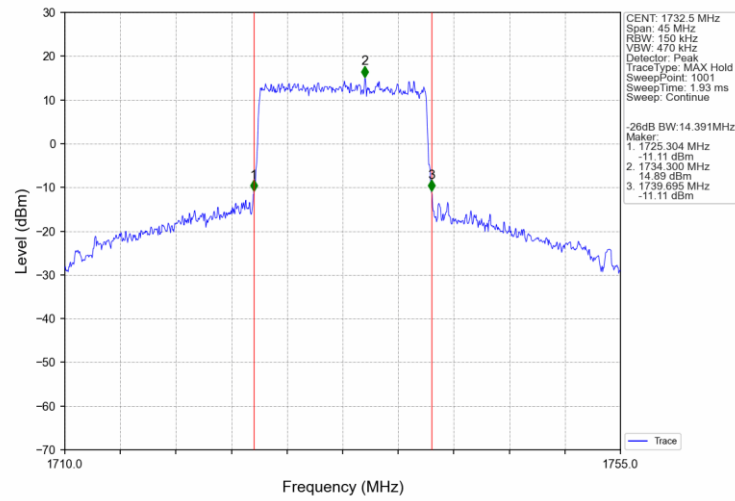
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



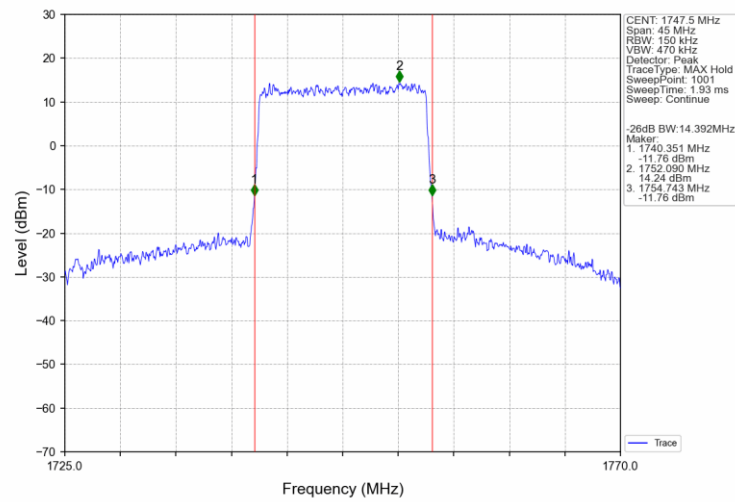
Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



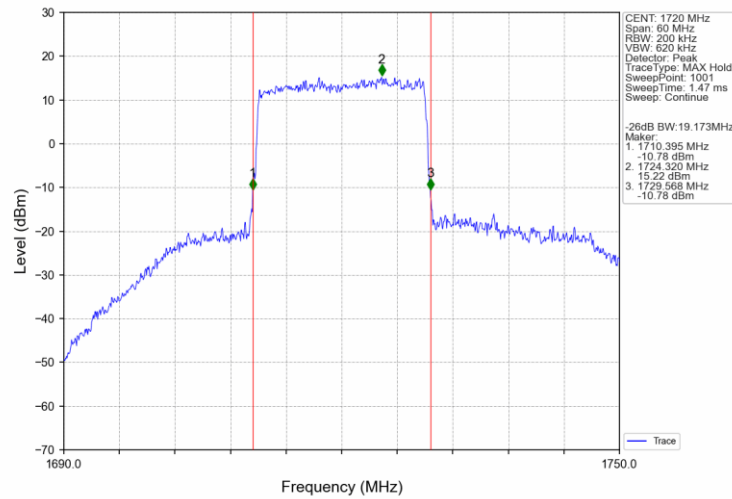
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTN



Band4 15MHz 16QAM HCH 1747.5MHz RB 75 0 NTN



Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

