

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	22.56	1.50	24.06	<=30	Pass
			2	22.31	1.50	23.81	<=30	Pass
			5	22.15	1.50	23.65	<=30	Pass
		3	0	22.63	1.50	24.13	<=30	Pass
			2	22.65	1.50	24.15	<=30	Pass
			3	22.67	1.50	24.17	<=30	Pass
		6	0	21.62	1.50	23.12	<=30	Pass
	1732.5	1	0	22.22	1.50	23.72	<=30	Pass
			2	22.23	1.50	23.73	<=30	Pass
			5	22.20	1.50	23.70	<=30	Pass
		3	0	22.68	1.50	24.18	<=30	Pass
			2	22.65	1.50	24.15	<=30	Pass
			3	22.64	1.50	24.14	<=30	Pass
		6	0	21.76	1.50	23.26	<=30	Pass
	1754.3	1	0	21.97	1.50	23.47	<=30	Pass
			2	21.97	1.50	23.47	<=30	Pass
			5	21.94	1.50	23.44	<=30	Pass
		3	0	22.51	1.50	24.01	<=30	Pass
			2	22.50	1.50	24.00	<=30	Pass
			3	22.48	1.50	23.98	<=30	Pass
		6	0	21.51	1.50	23.01	<=30	Pass
16QAM	1710.7	1	0	21.26	1.50	22.76	<=30	Pass
			2	21.30	1.50	22.80	<=30	Pass
			5	21.28	1.50	22.78	<=30	Pass
		3	0	21.51	1.50	23.01	<=30	Pass
			2	21.54	1.50	23.04	<=30	Pass
			3	21.54	1.50	23.04	<=30	Pass
		6	0	20.50	1.50	22.00	<=30	Pass
	1732.5	1	0	21.13	1.50	22.63	<=30	Pass
			2	21.14	1.50	22.64	<=30	Pass
			5	21.13	1.50	22.63	<=30	Pass
		3	0	21.65	1.50	23.15	<=30	Pass
			2	21.63	1.50	23.13	<=30	Pass
			3	21.62	1.50	23.12	<=30	Pass
		6	0	20.77	1.50	22.27	<=30	Pass
	1754.3	1	0	21.20	1.50	22.70	<=30	Pass
			2	21.24	1.50	22.74	<=30	Pass
			5	21.16	1.50	22.66	<=30	Pass
		3	0	21.44	1.50	22.94	<=30	Pass
			2	21.42	1.50	22.92	<=30	Pass
			3	21.40	1.50	22.90	<=30	Pass
		6	0	20.54	1.50	22.04	<=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	22.06	1.50	23.56	<=30	Pass
			7	22.09	1.50	23.59	<=30	Pass
			14	22.03	1.50	23.53	<=30	Pass
		8	0	21.57	1.50	23.07	<=30	Pass
			4	21.58	1.50	23.08	<=30	Pass
			7	21.58	1.50	23.08	<=30	Pass
		15	0	21.59	1.50	23.09	<=30	Pass
	1732.5	1	0	22.19	1.50	23.69	<=30	Pass
			7	22.20	1.50	23.70	<=30	Pass
			14	22.16	1.50	23.66	<=30	Pass
		8	0	21.71	1.50	23.21	<=30	Pass
			4	21.65	1.50	23.15	<=30	Pass
			7	21.67	1.50	23.17	<=30	Pass
		15	0	21.66	1.50	23.16	<=30	Pass
	1753.5	1	0	21.94	1.50	23.44	<=30	Pass
			7	21.95	1.50	23.45	<=30	Pass
			14	21.88	1.50	23.38	<=30	Pass
		8	0	21.41	1.50	22.91	<=30	Pass
			4	21.42	1.50	22.92	<=30	Pass
			7	21.41	1.50	22.91	<=30	Pass
		15	0	21.42	1.50	22.92	<=30	Pass
16QAM	1711.5	1	0	21.30	1.50	22.80	<=30	Pass
			7	21.28	1.50	22.78	<=30	Pass
			14	21.20	1.50	22.70	<=30	Pass
		8	0	20.59	1.50	22.09	<=30	Pass
			4	20.61	1.50	22.11	<=30	Pass
			7	20.61	1.50	22.11	<=30	Pass
		15	0	20.50	1.50	22.00	<=30	Pass
	1732.5	1	0	21.08	1.50	22.58	<=30	Pass
			7	21.11	1.50	22.61	<=30	Pass
			14	21.11	1.50	22.61	<=30	Pass
		8	0	20.76	1.50	22.26	<=30	Pass
			4	20.72	1.50	22.22	<=30	Pass
			7	20.71	1.50	22.21	<=30	Pass
		15	0	20.59	1.50	22.09	<=30	Pass
	1753.5	1	0	21.12	1.50	22.62	<=30	Pass
			7	21.12	1.50	22.62	<=30	Pass
			14	21.06	1.50	22.56	<=30	Pass
		8	0	20.51	1.50	22.01	<=30	Pass
			4	20.51	1.50	22.01	<=30	Pass
			7	20.49	1.50	21.99	<=30	Pass
		15	0	20.45	1.50	21.95	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	22.18	1.50	23.68	<=30	Pass
			13	22.11	1.50	23.61	<=30	Pass
			24	22.18	1.50	23.68	<=30	Pass
		12	0	21.57	1.50	23.07	<=30	Pass
			6	21.60	1.50	23.10	<=30	Pass

16QAM	1732.5	25	13	21.59	1.50	23.09	<=30	Pass
			0	21.62	1.50	23.12	<=30	Pass
			25	21.62	1.50	23.12	<=30	Pass
		1	0	22.42	1.50	23.92	<=30	Pass
			13	22.32	1.50	23.82	<=30	Pass
			24	22.38	1.50	23.88	<=30	Pass
		12	0	21.77	1.50	23.27	<=30	Pass
			6	21.74	1.50	23.24	<=30	Pass
			13	21.68	1.50	23.18	<=30	Pass
	1752.5	25	0	21.75	1.50	23.25	<=30	Pass
			0	22.15	1.50	23.65	<=30	Pass
			13	22.07	1.50	23.57	<=30	Pass
		1	24	22.10	1.50	23.60	<=30	Pass
			0	21.45	1.50	22.95	<=30	Pass
			6	21.47	1.50	22.97	<=30	Pass
		12	13	21.47	1.50	22.97	<=30	Pass
			0	21.50	1.50	23.00	<=30	Pass
			0	21.32	1.50	22.82	<=30	Pass
16QAM	1712.5	1	13	21.25	1.50	22.75	<=30	Pass
			24	21.35	1.50	22.85	<=30	Pass
			0	20.61	1.50	22.11	<=30	Pass
		12	6	20.65	1.50	22.15	<=30	Pass
			13	20.63	1.50	22.13	<=30	Pass
			0	20.60	1.50	22.10	<=30	Pass
	1732.5	1	0	21.45	1.50	22.95	<=30	Pass
			13	21.38	1.50	22.88	<=30	Pass
			24	21.46	1.50	22.96	<=30	Pass
		12	0	20.81	1.50	22.31	<=30	Pass
			6	20.74	1.50	22.24	<=30	Pass
			13	20.72	1.50	22.22	<=30	Pass
		25	0	20.78	1.50	22.28	<=30	Pass
	1752.5	1	0	21.15	1.50	22.65	<=30	Pass
			13	21.04	1.50	22.54	<=30	Pass
			24	21.03	1.50	22.53	<=30	Pass
		12	0	20.45	1.50	21.95	<=30	Pass
			6	20.45	1.50	21.95	<=30	Pass
			13	20.44	1.50	21.94	<=30	Pass
		25	0	20.49	1.50	21.99	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	22.07	1.50	23.57	<=30	Pass
			25	22.08	1.50	23.58	<=30	Pass
			49	22.15	1.50	23.65	<=30	Pass
		25	0	21.55	1.50	23.05	<=30	Pass
			13	21.65	1.50	23.15	<=30	Pass
			25	21.76	1.50	23.26	<=30	Pass
	1732.5	50	0	21.66	1.50	23.16	<=30	Pass
		1	0	22.18	1.50	23.68	<=30	Pass
			25	22.24	1.50	23.74	<=30	Pass
			49	22.21	1.50	23.71	<=30	Pass
		25	0	21.76	1.50	23.26	<=30	Pass
			13	21.75	1.50	23.25	<=30	Pass
			25	21.66	1.50	23.16	<=30	Pass
		50	0	21.74	1.50	23.24	<=30	Pass

	1750	1	0	22.02	1.50	23.52	<=30	Pass		
			25	21.96	1.50	23.46	<=30	Pass		
			49	21.93	1.50	23.43	<=30	Pass		
		25	0	21.42	1.50	22.92	<=30	Pass		
			13	21.46	1.50	22.96	<=30	Pass		
			25	21.52	1.50	23.02	<=30	Pass		
		50	0	21.51	1.50	23.01	<=30	Pass		
		16QAM	1715	1	0	21.31	1.50	22.81	<=30	Pass
					25	21.28	1.50	22.78	<=30	Pass
49	21.35				1.50	22.85	<=30	Pass		
25	0			20.56	1.50	22.06	<=30	Pass		
	13			20.67	1.50	22.17	<=30	Pass		
	25			20.77	1.50	22.27	<=30	Pass		
50	0			20.66	1.50	22.16	<=30	Pass		
1732.5	1			0	21.09	1.50	22.59	<=30	Pass	
				25	21.13	1.50	22.63	<=30	Pass	
			49	21.11	1.50	22.61	<=30	Pass		
	25		0	20.76	1.50	22.26	<=30	Pass		
			13	20.77	1.50	22.27	<=30	Pass		
			25	20.71	1.50	22.21	<=30	Pass		
	50		0	20.69	1.50	22.19	<=30	Pass		
	1750		1	0	21.16	1.50	22.66	<=30	Pass	
				25	21.11	1.50	22.61	<=30	Pass	
49				21.10	1.50	22.60	<=30	Pass		
25			0	20.44	1.50	21.94	<=30	Pass		
		13	20.46	1.50	21.96	<=30	Pass			
		25	20.52	1.50	22.02	<=30	Pass			
50		0	20.50	1.50	22.00	<=30	Pass			
Note1: EIRP=Conducted Power+Antenna Gain										

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	21.98	1.50	23.48	<=30	Pass
			38	22.05	1.50	23.55	<=30	Pass
			74	22.06	1.50	23.56	<=30	Pass
		36	0	21.46	1.50	22.96	<=30	Pass
			18	21.55	1.50	23.05	<=30	Pass
			39	21.71	1.50	23.21	<=30	Pass
		75	0	21.60	1.50	23.10	<=30	Pass
	1732.5	1	0	22.08	1.50	23.58	<=30	Pass
			38	22.22	1.50	23.72	<=30	Pass
			74	22.14	1.50	23.64	<=30	Pass
		36	0	21.66	1.50	23.16	<=30	Pass
			18	21.64	1.50	23.14	<=30	Pass
			39	21.62	1.50	23.12	<=30	Pass
		75	0	21.64	1.50	23.14	<=30	Pass
	1747.5	1	0	22.01	1.50	23.51	<=30	Pass
			38	22.03	1.50	23.53	<=30	Pass
			74	21.84	1.50	23.34	<=30	Pass
		36	0	21.54	1.50	23.04	<=30	Pass
			18	21.47	1.50	22.97	<=30	Pass
			39	21.48	1.50	22.98	<=30	Pass
		75	0	21.49	1.50	22.99	<=30	Pass
16QAM	1717.5	1	0	21.29	1.50	22.79	<=30	Pass
			38	21.35	1.50	22.85	<=30	Pass

			74	21.38	1.50	22.88	<=30	Pass
		36	0	20.56	1.50	22.06	<=30	Pass
			18	20.63	1.50	22.13	<=30	Pass
			39	20.75	1.50	22.25	<=30	Pass
		75	0	20.61	1.50	22.11	<=30	Pass
	1732.5	1	0	21.02	1.50	22.52	<=30	Pass
			38	21.13	1.50	22.63	<=30	Pass
			74	21.02	1.50	22.52	<=30	Pass
		36	0	20.64	1.50	22.14	<=30	Pass
			18	20.65	1.50	22.15	<=30	Pass
			39	20.59	1.50	22.09	<=30	Pass
		75	0	20.65	1.50	22.15	<=30	Pass
	1747.5	1	0	21.17	1.50	22.67	<=30	Pass
			38	21.21	1.50	22.71	<=30	Pass
			74	21.03	1.50	22.53	<=30	Pass
		36	0	20.51	1.50	22.01	<=30	Pass
			18	20.47	1.50	21.97	<=30	Pass
			39	20.49	1.50	21.99	<=30	Pass
		75	0	20.48	1.50	21.98	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

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	22.01	1.50	23.51	<=30	Pass
			50	22.13	1.50	23.63	<=30	Pass
			99	22.12	1.50	23.62	<=30	Pass
		50	0	21.44	1.50	22.94	<=30	Pass
			25	21.67	1.50	23.17	<=30	Pass
			50	21.81	1.50	23.31	<=30	Pass
		100	0	21.67	1.50	23.17	<=30	Pass
	1732.5	1	0	21.97	1.50	23.47	<=30	Pass
			50	22.13	1.50	23.63	<=30	Pass
			99	21.93	1.50	23.43	<=30	Pass
		50	0	21.65	1.50	23.15	<=30	Pass
			25	21.72	1.50	23.22	<=30	Pass
			50	21.62	1.50	23.12	<=30	Pass
		100	0	21.61	1.50	23.11	<=30	Pass
	1745	1	0	22.20	1.50	23.70	<=30	Pass
			50	22.19	1.50	23.69	<=30	Pass
			99	22.00	1.50	23.50	<=30	Pass
		50	0	21.62	1.50	23.12	<=30	Pass
			25	21.57	1.50	23.07	<=30	Pass
			50	21.57	1.50	23.07	<=30	Pass
		100	0	21.60	1.50	23.10	<=30	Pass
16QAM	1720	1	0	21.15	1.50	22.65	<=30	Pass
			50	21.30	1.50	22.80	<=30	Pass
			99	21.31	1.50	22.81	<=30	Pass
		50	0	20.42	1.50	21.92	<=30	Pass
			25	20.67	1.50	22.17	<=30	Pass
			50	20.83	1.50	22.33	<=30	Pass
		100	0	20.64	1.50	22.14	<=30	Pass
	1732.5	1	0	21.16	1.50	22.66	<=30	Pass
			50	21.28	1.50	22.78	<=30	Pass
			99	21.09	1.50	22.59	<=30	Pass
		50	0	20.68	1.50	22.18	<=30	Pass

			25	20.75	1.50	22.25	<=30	Pass
			50	20.66	1.50	22.16	<=30	Pass
		100	0	20.61	1.50	22.11	<=30	Pass
	1745	1	0	21.30	1.50	22.80	<=30	Pass
			50	21.29	1.50	22.79	<=30	Pass
			99	21.07	1.50	22.57	<=30	Pass
		50	0	20.59	1.50	22.09	<=30	Pass
			25	20.58	1.50	22.08	<=30	Pass
			50	20.53	1.50	22.03	<=30	Pass
		100	0	20.56	1.50	22.06	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	9.813	0.0057	-2.5 to 2.5	Pass
					3.85	7.410	0.0043	-2.5 to 2.5	Pass
					4.43	7.610	0.0044	-2.5 to 2.5	Pass
				-30	3.85	4.449	0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.317	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				0	3.85	5.794	0.0034	-2.5 to 2.5	Pass
				10	3.85	4.363	0.0026	-2.5 to 2.5	Pass
				30	3.85	9.227	0.0054	-2.5 to 2.5	Pass
				40	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				50	3.85	6.523	0.0038	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	1.216	0.0007	-2.5 to 2.5	Pass
					3.85	7.567	0.0044	-2.5 to 2.5	Pass
					4.43	6.824	0.0039	-2.5 to 2.5	Pass
				-30	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				-20	3.85	9.785	0.0056	-2.5 to 2.5	Pass
				-10	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				10	3.85	11.859	0.0068	-2.5 to 2.5	Pass
				30	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	5.622	0.0032	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0032	-2.5 to 2.5	Pass
					4.43	11.802	0.0067	-2.5 to 2.5	Pass
				-30	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				10	3.85	3.762	0.0021	-2.5 to 2.5	Pass
				30	3.85	9.742	0.0056	-2.5 to 2.5	Pass
				40	3.85	12.317	0.0070	-2.5 to 2.5	Pass
				50	3.85	4.907	0.0028	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	2.003	0.0012	-2.5 to 2.5	Pass
					3.85	2.875	0.0017	-2.5 to 2.5	Pass

					4.43	12.145	0.0071	-2.5 to 2.5	Pass
				-30	3.85	2.346	0.0014	-2.5 to 2.5	Pass
				-20	3.85	3.862	0.0023	-2.5 to 2.5	Pass
				-10	3.85	10.257	0.0060	-2.5 to 2.5	Pass
				0	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				10	3.85	8.869	0.0052	-2.5 to 2.5	Pass
				30	3.85	9.084	0.0053	-2.5 to 2.5	Pass
				40	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-2.990	-0.0017	-2.5 to 2.5	Pass
					3.85	8.583	0.0050	-2.5 to 2.5	Pass
					4.43	10.600	0.0061	-2.5 to 2.5	Pass
				-30	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				0	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				40	3.85	6.852	0.0040	-2.5 to 2.5	Pass
				50	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-1.330	-0.0008	-2.5 to 2.5	Pass
					3.85	5.708	0.0033	-2.5 to 2.5	Pass
					4.43	6.623	0.0038	-2.5 to 2.5	Pass
				-30	3.85	11.430	0.0065	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	10.972	0.0063	-2.5 to 2.5	Pass
				0	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				10	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				40	3.85	9.227	0.0053	-2.5 to 2.5	Pass
				50	3.85	5.021	0.0029	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-3.462	-0.0020	-2.5 to 2.5	Pass
					3.85	-3.376	-0.0020	-2.5 to 2.5	Pass
					4.43	1.059	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.831	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				40	3.85	4.191	0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	3.290	0.0019	-2.5 to 2.5	Pass
					3.85	5.436	0.0031	-2.5 to 2.5	Pass
					4.43	1.245	0.0007	-2.5 to 2.5	Pass
				-30	3.85	7.310	0.0042	-2.5 to 2.5	Pass
				-20	3.85	9.327	0.0054	-2.5 to 2.5	Pass
				-10	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				0	3.85	6.423	0.0037	-2.5 to 2.5	Pass
				10	3.85	8.082	0.0047	-2.5 to 2.5	Pass
				30	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass

	1753.5	15	0	50	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				20	3.27	6.552	0.0037	-2.5 to 2.5	Pass
					3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
					4.43	-5.980	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				0	3.85	11.687	0.0067	-2.5 to 2.5	Pass
				10	3.85	6.752	0.0039	-2.5 to 2.5	Pass
				30	3.85	6.552	0.0037	-2.5 to 2.5	Pass
				40	3.85	2.975	0.0017	-2.5 to 2.5	Pass
				50	3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-1.888	-0.0011	-2.5 to 2.5	Pass
					3.85	0.343	0.0002	-2.5 to 2.5	Pass
					4.43	-2.232	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-3.719	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	4.678	0.0027	-2.5 to 2.5	Pass
				-10	3.85	3.204	0.0019	-2.5 to 2.5	Pass
				0	3.85	7.567	0.0044	-2.5 to 2.5	Pass
				10	3.85	8.740	0.0051	-2.5 to 2.5	Pass
				30	3.85	5.894	0.0034	-2.5 to 2.5	Pass
				40	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				50	3.85	2.289	0.0013	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-2.375	-0.0014	-2.5 to 2.5	Pass
					3.85	9.599	0.0055	-2.5 to 2.5	Pass
					4.43	-1.259	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	5.536	0.0032	-2.5 to 2.5	Pass
				-20	3.85	5.565	0.0032	-2.5 to 2.5	Pass
				-10	3.85	7.024	0.0041	-2.5 to 2.5	Pass
				0	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				10	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				40	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				50	3.85	4.535	0.0026	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-1.345	-0.0008	-2.5 to 2.5	Pass
					3.85	5.908	0.0034	-2.5 to 2.5	Pass
					4.43	-4.492	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	1.831	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	5.751	0.0033	-2.5 to 2.5	Pass
				0	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-9.127	-0.0052	-2.5 to 2.5	Pass
				30	3.85	6.509	0.0037	-2.5 to 2.5	Pass
				40	3.85	11.988	0.0068	-2.5 to 2.5	Pass
				50	3.85	4.835	0.0028	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-3.262	-0.0019	-2.5 to 2.5	Pass
					3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
					4.43	-2.289	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	4.563	0.0027	-2.5 to 2.5	Pass
				-10	3.85	3.791	0.0022	-2.5 to 2.5	Pass
				0	3.85	2.317	0.0014	-2.5 to 2.5	Pass

				10	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				30	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				40	3.85	3.190	0.0019	-2.5 to 2.5	Pass
				50	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	4.663	0.0027	-2.5 to 2.5	Pass
					3.85	1.101	0.0006	-2.5 to 2.5	Pass
					4.43	-2.847	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				-10	3.85	7.553	0.0044	-2.5 to 2.5	Pass
				0	3.85	3.920	0.0023	-2.5 to 2.5	Pass
				10	3.85	-4.807	-0.0028	-2.5 to 2.5	Pass
				30	3.85	5.150	0.0030	-2.5 to 2.5	Pass
				40	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				50	3.85	0.873	0.0005	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-2.046	-0.0012	-2.5 to 2.5	Pass
					3.85	0.486	0.0003	-2.5 to 2.5	Pass
					4.43	-2.518	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	3.319	0.0019	-2.5 to 2.5	Pass
				-10	3.85	3.719	0.0021	-2.5 to 2.5	Pass
				0	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				40	3.85	2.103	0.0012	-2.5 to 2.5	Pass
				50	3.85	6.495	0.0037	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	1.974	0.0012	-2.5 to 2.5	Pass
					3.85	-1.645	-0.0010	-2.5 to 2.5	Pass
					4.43	4.678	0.0027	-2.5 to 2.5	Pass
				-30	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				-20	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				-10	3.85	8.669	0.0051	-2.5 to 2.5	Pass
				0	3.85	5.522	0.0032	-2.5 to 2.5	Pass
				10	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.429	0.0003	-2.5 to 2.5	Pass
				40	3.85	3.362	0.0020	-2.5 to 2.5	Pass
				50	3.85	4.978	0.0029	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-3.905	-0.0023	-2.5 to 2.5	Pass
					3.85	1.159	0.0007	-2.5 to 2.5	Pass
					4.43	-1.588	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				40	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				50	3.85	2.403	0.0014	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	4.892	0.0028	-2.5 to 2.5	Pass
					3.85	4.821	0.0028	-2.5 to 2.5	Pass
					4.43	0.429	0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				-20	3.85	5.722	0.0033	-2.5 to 2.5	Pass
				-10	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				0	3.85	3.419	0.0020	-2.5 to 2.5	Pass
				10	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				30	3.85	8.426	0.0048	-2.5 to 2.5	Pass
				40	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	1.287	0.0008	-2.5 to 2.5	Pass
					3.85	1.073	0.0006	-2.5 to 2.5	Pass
					4.43	0.801	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	4.163	0.0024	-2.5 to 2.5	Pass
				-10	3.85	3.676	0.0021	-2.5 to 2.5	Pass
				0	3.85	6.108	0.0036	-2.5 to 2.5	Pass
				10	3.85	2.704	0.0016	-2.5 to 2.5	Pass
				30	3.85	5.465	0.0032	-2.5 to 2.5	Pass
				40	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				50	3.85	4.950	0.0029	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-1.044	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.687	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				0	3.85	3.004	0.0017	-2.5 to 2.5	Pass
				10	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				30	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.388	0.0008	-2.5 to 2.5	Pass
					3.85	4.234	0.0024	-2.5 to 2.5	Pass
					4.43	9.027	0.0052	-2.5 to 2.5	Pass
				-30	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				-20	3.85	4.549	0.0026	-2.5 to 2.5	Pass
				-10	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				0	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				10	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				30	3.85	6.137	0.0035	-2.5 to 2.5	Pass
				40	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				50	3.85	4.520	0.0026	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	1.845	0.0011	-2.5 to 2.5	Pass
					3.85	5.751	0.0034	-2.5 to 2.5	Pass
					4.43	3.090	0.0018	-2.5 to 2.5	Pass
				-30	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				10	3.85	1.287	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.704	0.0016	-2.5 to 2.5	Pass
				40	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	1.745	0.0010	-2.5 to 2.5	Pass
					3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
					4.43	-2.217	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-7.381	-0.0043	-2.5 to 2.5	Pass
				10	3.85	2.546	0.0015	-2.5 to 2.5	Pass

	1750	50	0	30	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				40	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				20	3.27	3.462	0.0020	-2.5 to 2.5	Pass
					3.85	1.359	0.0008	-2.5 to 2.5	Pass
					4.43	4.563	0.0026	-2.5 to 2.5	Pass
				-30	3.85	4.563	0.0026	-2.5 to 2.5	Pass
				-20	3.85	2.804	0.0016	-2.5 to 2.5	Pass
				-10	3.85	6.838	0.0039	-2.5 to 2.5	Pass
				0	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				10	3.85	2.875	0.0016	-2.5 to 2.5	Pass
				30	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				40	3.85	4.978	0.0028	-2.5 to 2.5	Pass
				50	3.85	6.566	0.0038	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	0.658	0.0004	-2.5 to 2.5	Pass
					3.85	1.616	0.0009	-2.5 to 2.5	Pass
					4.43	-1.345	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				-20	3.85	4.835	0.0028	-2.5 to 2.5	Pass
				-10	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				0	3.85	5.522	0.0032	-2.5 to 2.5	Pass
				10	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				30	3.85	8.154	0.0047	-2.5 to 2.5	Pass
				40	3.85	3.920	0.0023	-2.5 to 2.5	Pass
				50	3.85	5.279	0.0031	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	3.905	0.0023	-2.5 to 2.5	Pass
					3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
					4.43	-3.619	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				30	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-2.060	-0.0012	-2.5 to 2.5	Pass
					3.85	2.460	0.0014	-2.5 to 2.5	Pass
					4.43	0.215	0.0001	-2.5 to 2.5	Pass
				-30	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				50	3.85	2.375	0.0014	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	9.542	0.0056	-2.5 to 2.5	Pass
					3.85	3.147	0.0018	-2.5 to 2.5	Pass
					4.43	4.978	0.0029	-2.5 to 2.5	Pass
				-30	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				-20	3.85	3.705	0.0022	-2.5 to 2.5	Pass

				-10	3.85	2.632	0.0015	-2.5 to 2.5	Pass
				0	3.85	4.020	0.0023	-2.5 to 2.5	Pass
				10	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				30	3.85	3.619	0.0021	-2.5 to 2.5	Pass
				40	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.200	0.0001	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-0.916	-0.0005	-2.5 to 2.5	Pass
					3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
					4.43	0.486	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.532	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				50	3.85	2.332	0.0013	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	3.891	0.0022	-2.5 to 2.5	Pass
					3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
					4.43	0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				50	3.85	1.273	0.0007	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	2.804	0.0016	-2.5 to 2.5	Pass
					3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				30	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				40	3.85	4.778	0.0028	-2.5 to 2.5	Pass
				50	3.85	4.320	0.0025	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.575	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
					4.43	-0.730	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				10	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				40	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	0.315	0.0002	-2.5 to 2.5	Pass
					3.85	1.001	0.0006	-2.5 to 2.5	Pass

					4.43	0.601	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				10	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				30	3.85	3.533	0.0020	-2.5 to 2.5	Pass
				40	3.85	2.661	0.0015	-2.5 to 2.5	Pass
				50	3.85	2.775	0.0016	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	3.605	0.0021	-2.5 to 2.5	Pass
					3.85	2.418	0.0014	-2.5 to 2.5	Pass
					4.43	2.661	0.0015	-2.5 to 2.5	Pass
				-30	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.632	0.0015	-2.5 to 2.5	Pass
				-10	3.85	2.704	0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				40	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				50	3.85	2.332	0.0014	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	1.502	0.0009	-2.5 to 2.5	Pass
					3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.516	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				0	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				40	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	2.189	0.0013	-2.5 to 2.5	Pass
					3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
					4.43	3.505	0.0020	-2.5 to 2.5	Pass
				-30	3.85	3.834	0.0022	-2.5 to 2.5	Pass
				-20	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				-10	3.85	6.151	0.0035	-2.5 to 2.5	Pass
				0	3.85	5.994	0.0034	-2.5 to 2.5	Pass
				10	3.85	5.250	0.0030	-2.5 to 2.5	Pass
				30	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				40	3.85	3.791	0.0022	-2.5 to 2.5	Pass
				50	3.85	2.074	0.0012	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

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

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

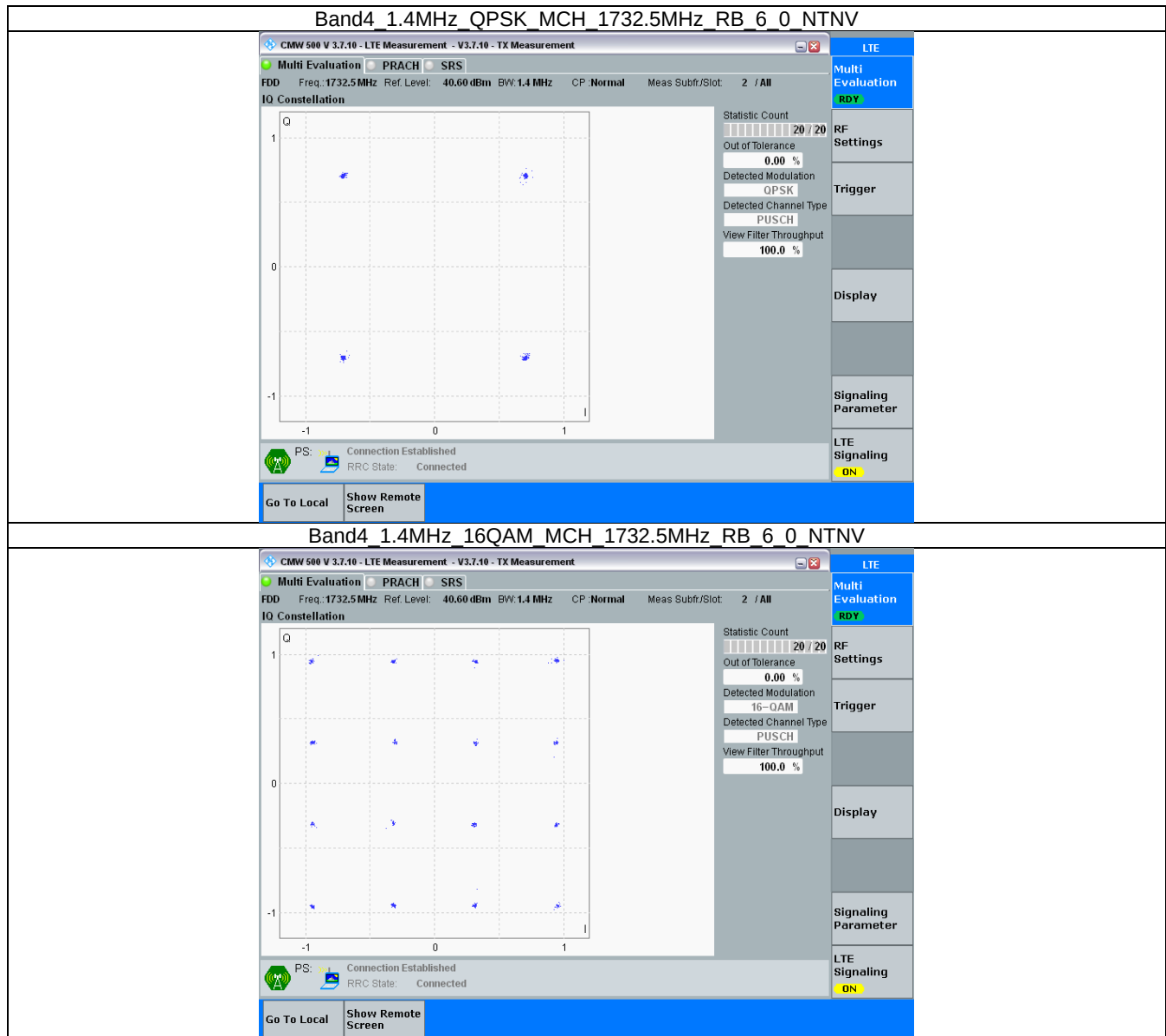
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

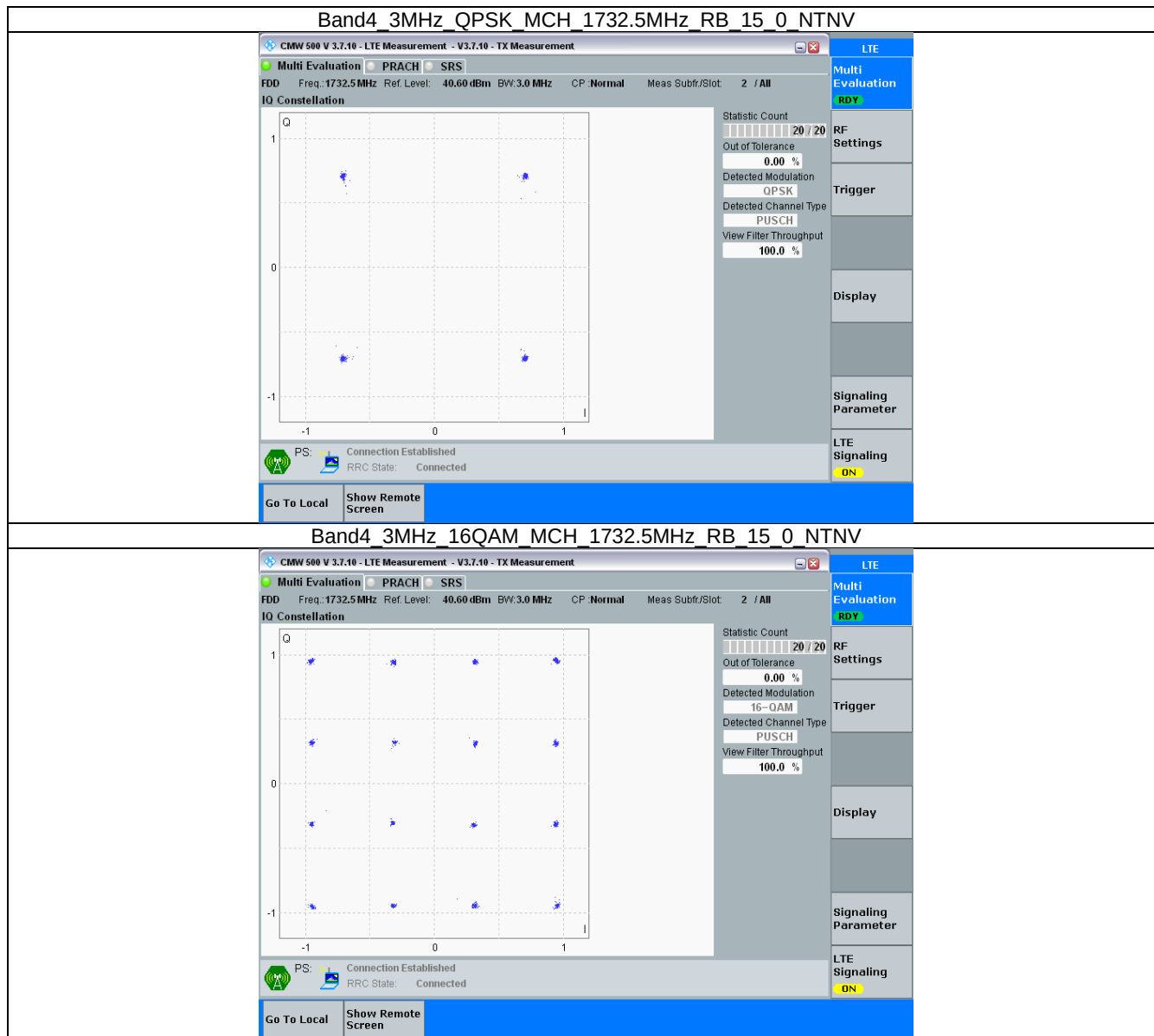
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

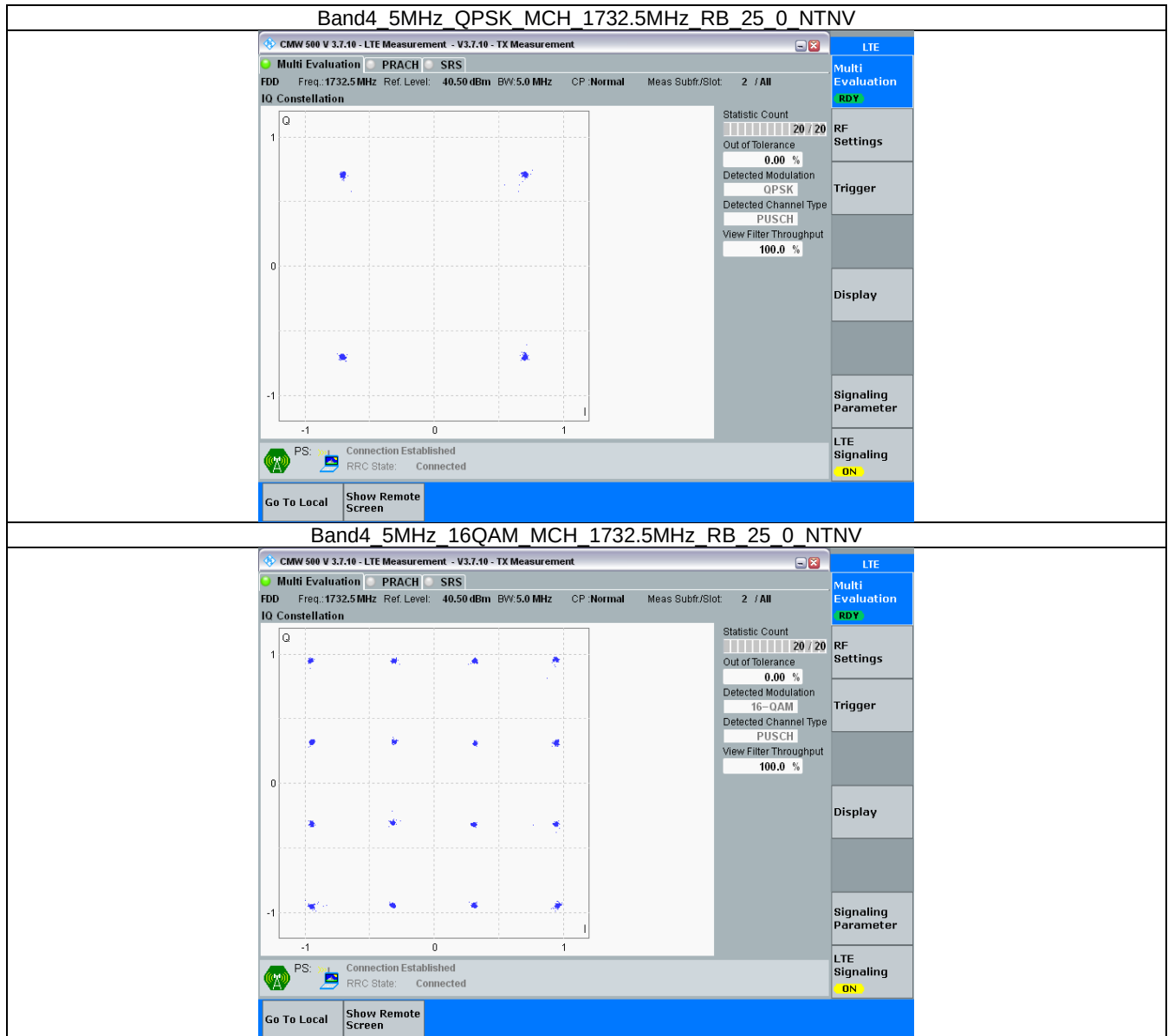
3.2.1 B4_1.4MHz



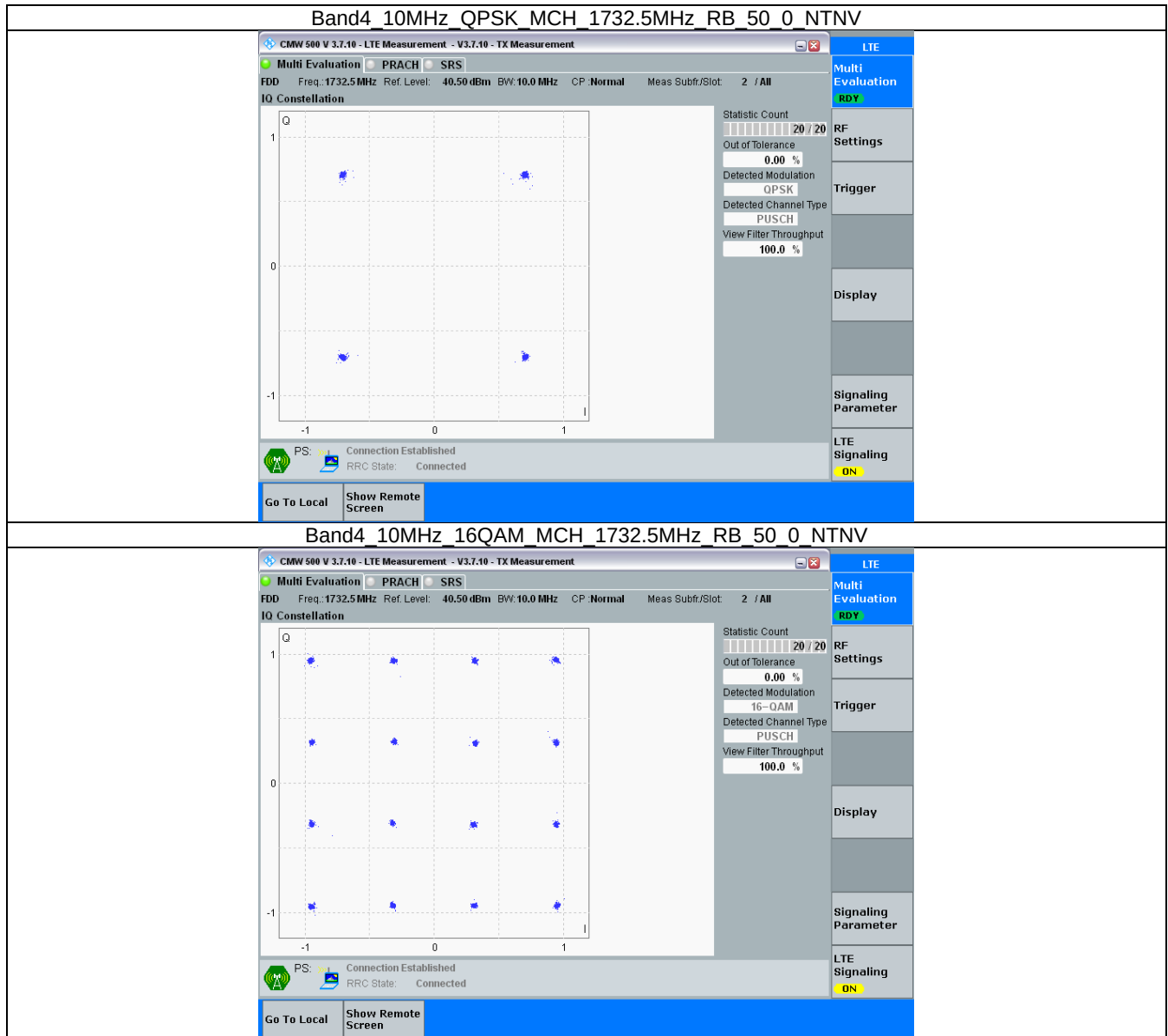
3.2.2 B4_3MHz



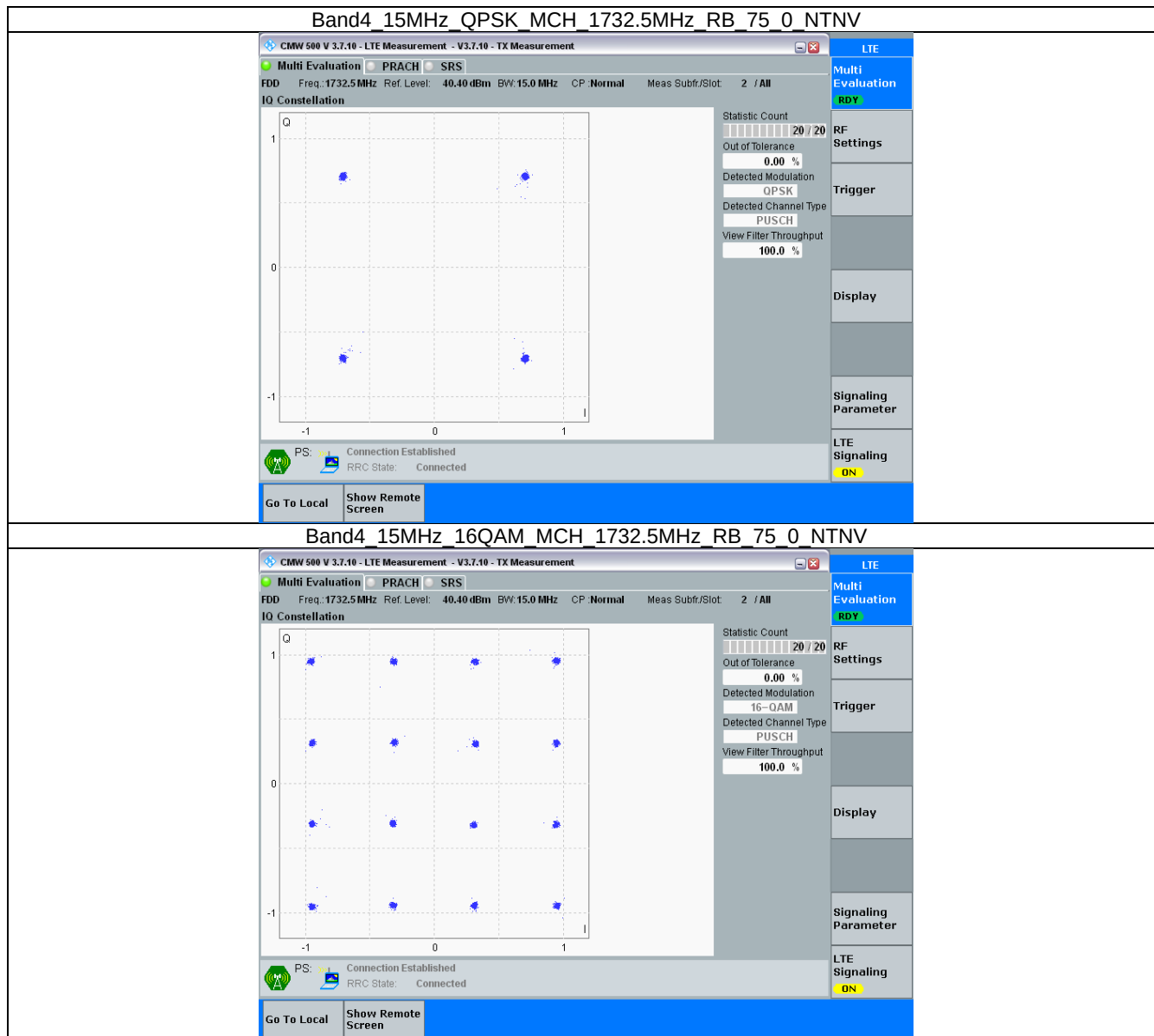
3.2.3 B4_5MHz



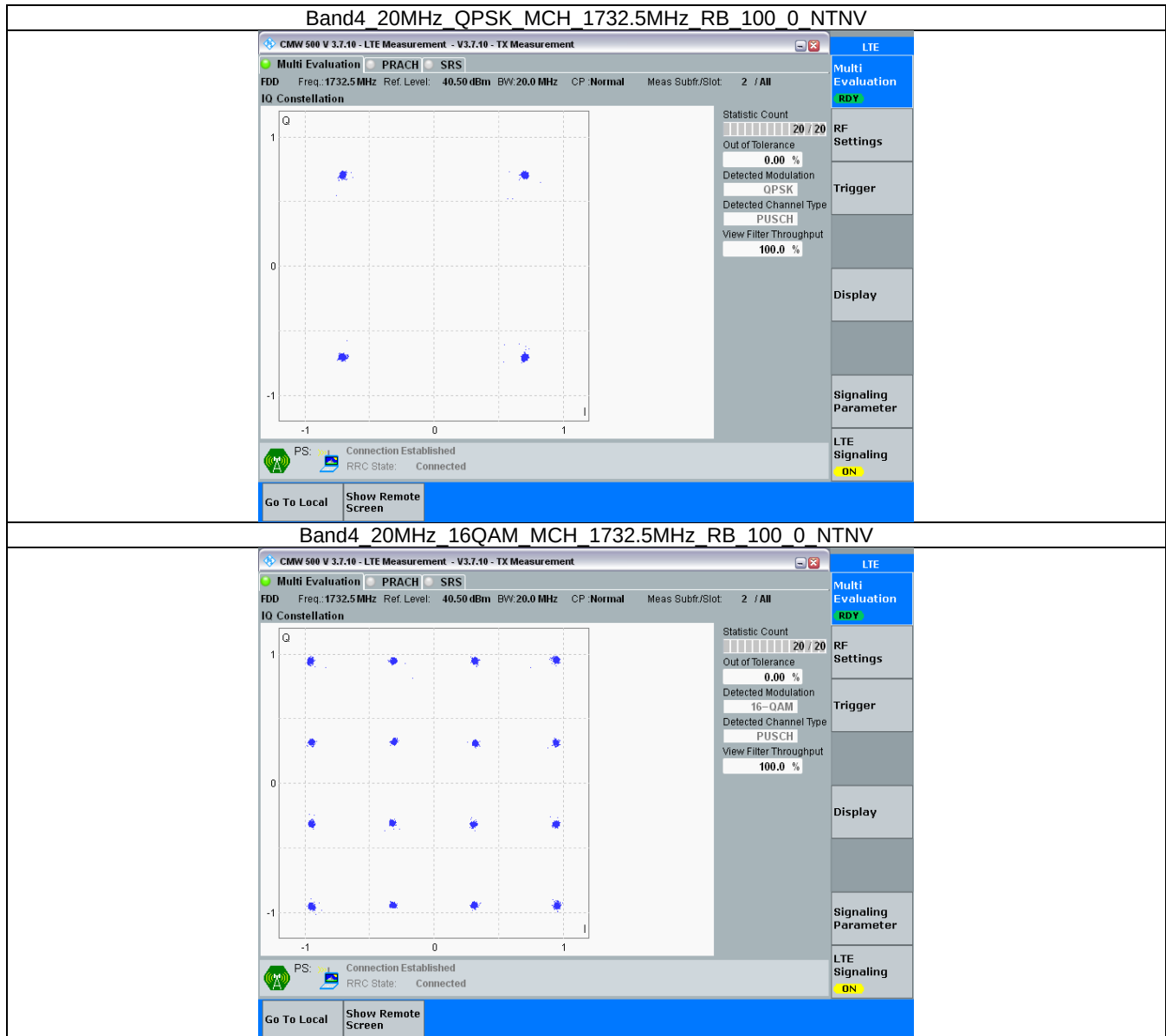
3.2.4 B4_10MHz



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 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.110	/	Pass
		1732.5	6	0	1.121	/	Pass
		1754.3	6	0	1.117	/	Pass
	16QAM	1710.7	6	0	1.115	/	Pass
		1732.5	6	0	1.109	/	Pass
		1754.3	6	0	1.113	/	Pass
3	QPSK	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.742	/	Pass
		1753.5	15	0	2.735	/	Pass
	16QAM	1711.5	15	0	2.721	/	Pass
		1732.5	15	0	2.726	/	Pass
		1753.5	15	0	2.730	/	Pass
5	QPSK	1712.5	25	0	4.548	/	Pass
		1732.5	25	0	4.555	/	Pass
		1752.5	25	0	4.554	/	Pass
	16QAM	1712.5	25	0	4.543	/	Pass
		1732.5	25	0	4.563	/	Pass
		1752.5	25	0	4.537	/	Pass
10	QPSK	1715	50	0	9.051	/	Pass
		1732.5	50	0	9.028	/	Pass
		1750	50	0	9.072	/	Pass
	16QAM	1715	50	0	9.060	/	Pass
		1732.5	50	0	9.044	/	Pass
		1750	50	0	9.071	/	Pass
15	QPSK	1717.5	75	0	13.576	/	Pass
		1732.5	75	0	13.551	/	Pass
		1747.5	75	0	13.614	/	Pass
	16QAM	1717.5	75	0	13.572	/	Pass
		1732.5	75	0	13.517	/	Pass
		1747.5	75	0	13.595	/	Pass
20	QPSK	1720	100	0	18.092	/	Pass
		1732.5	100	0	18.045	/	Pass
		1745	100	0	18.131	/	Pass
	16QAM	1720	100	0	18.052	/	Pass
		1732.5	100	0	18.007	/	Pass
		1745	100	0	18.156	/	Pass

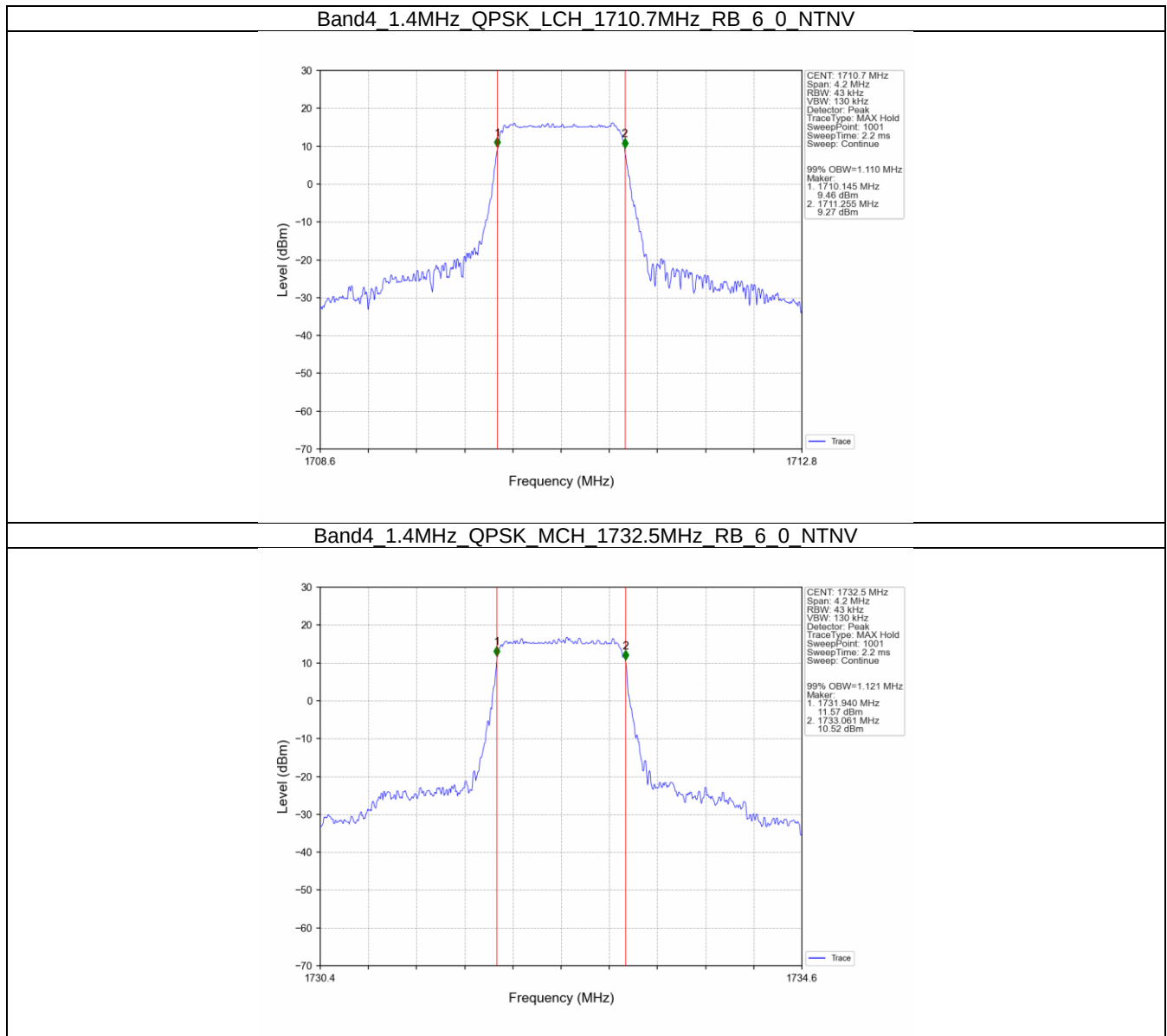
4.1.2 Band4_XDB

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	1.329	/	Pass
		1732.5	6	0	1.321	/	Pass
		1754.3	6	0	1.326	/	Pass

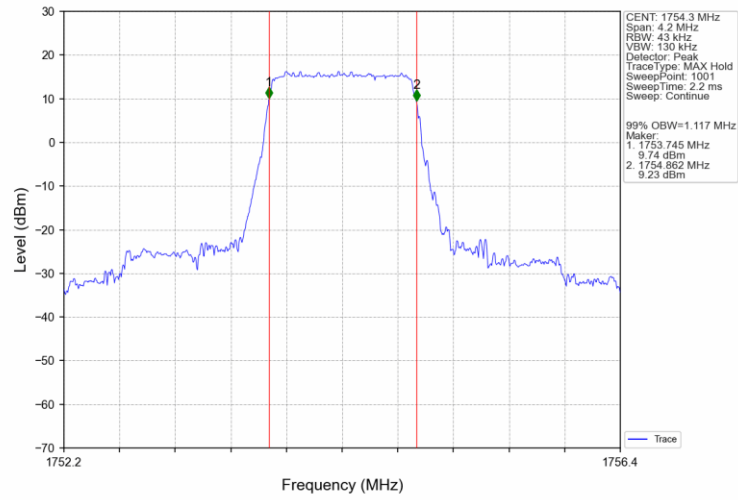
	16QAM	1710.7	6	0	1.324	/	Pass
		1732.5	6	0	1.333	/	Pass
		1754.3	6	0	1.308	/	Pass
3	QPSK	1711.5	15	0	3.011	/	Pass
		1732.5	15	0	3.015	/	Pass
		1753.5	15	0	3.025	/	Pass
	16QAM	1711.5	15	0	3.008	/	Pass
		1732.5	15	0	2.998	/	Pass
		1753.5	15	0	3.031	/	Pass
5	QPSK	1712.5	25	0	5.024	/	Pass
		1732.5	25	0	5.095	/	Pass
		1752.5	25	0	5.043	/	Pass
	16QAM	1712.5	25	0	5.050	/	Pass
		1732.5	25	0	4.998	/	Pass
		1752.5	25	0	5.059	/	Pass
10	QPSK	1715	50	0	9.969	/	Pass
		1732.5	50	0	9.942	/	Pass
		1750	50	0	9.956	/	Pass
	16QAM	1715	50	0	9.918	/	Pass
		1732.5	50	0	9.883	/	Pass
		1750	50	0	9.984	/	Pass
15	QPSK	1717.5	75	0	14.880	/	Pass
		1732.5	75	0	14.849	/	Pass
		1747.5	75	0	15.104	/	Pass
	16QAM	1717.5	75	0	14.933	/	Pass
		1732.5	75	0	14.990	/	Pass
		1747.5	75	0	15.037	/	Pass
20	QPSK	1720	100	0	20.021	/	Pass
		1732.5	100	0	19.496	/	Pass
		1745	100	0	19.684	/	Pass
	16QAM	1720	100	0	19.694	/	Pass
		1732.5	100	0	19.696	/	Pass
		1745	100	0	19.681	/	Pass

4.2 Test Graph

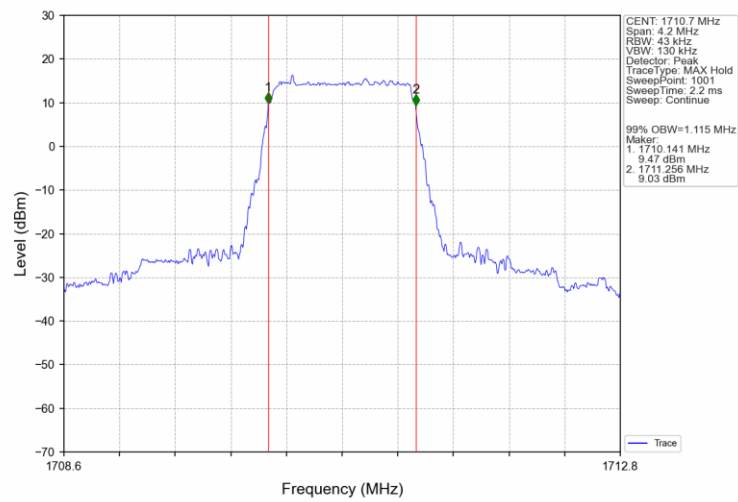
4.2.1 Band4_OBW



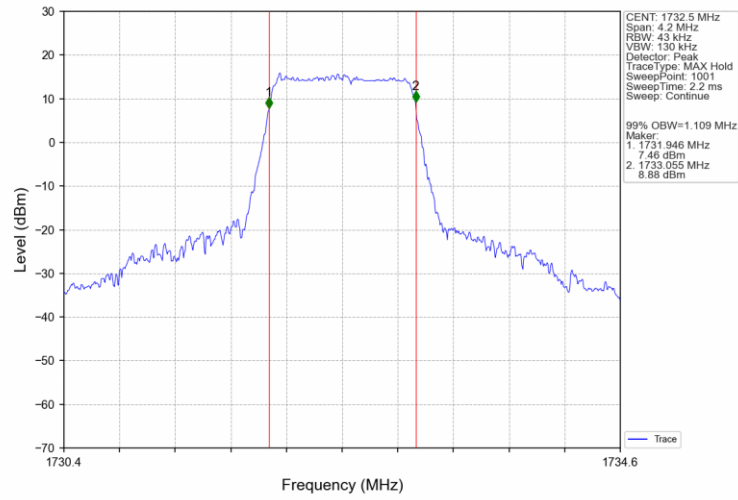
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



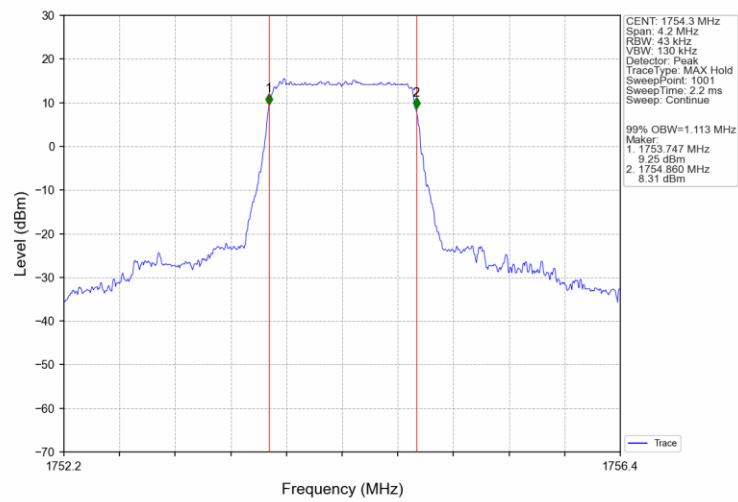
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



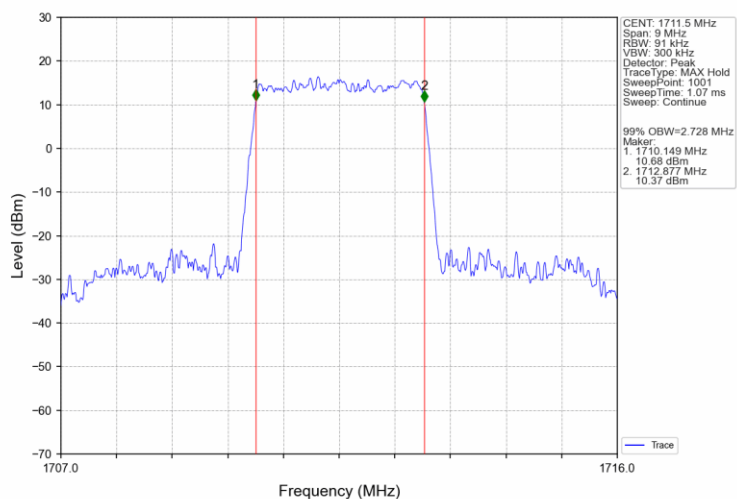
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



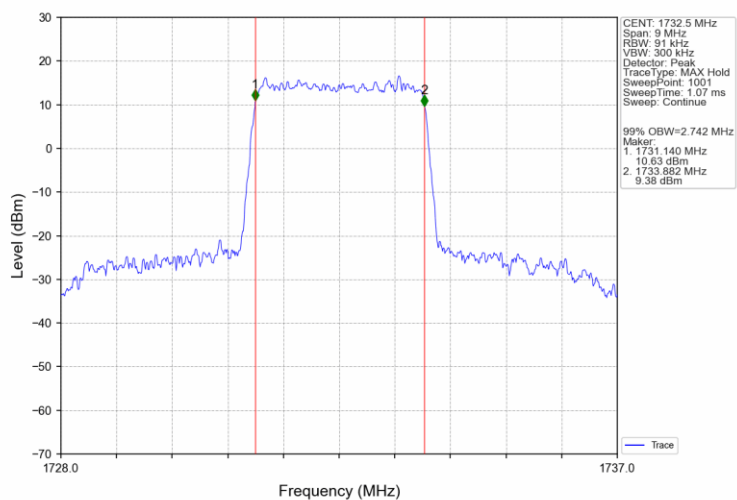
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



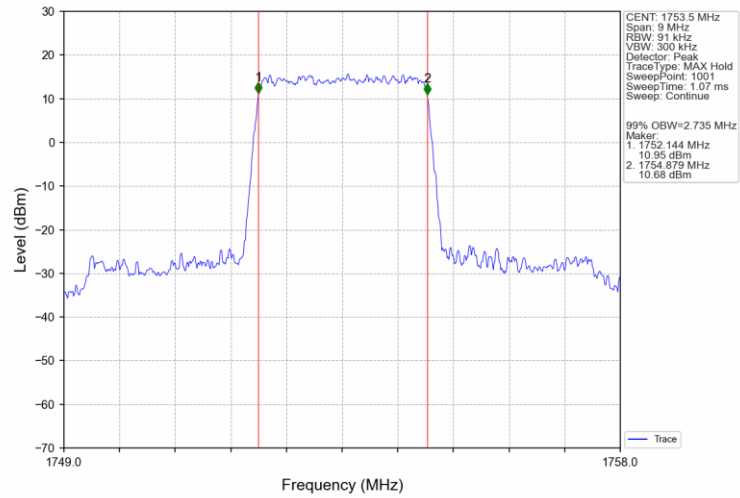
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTV



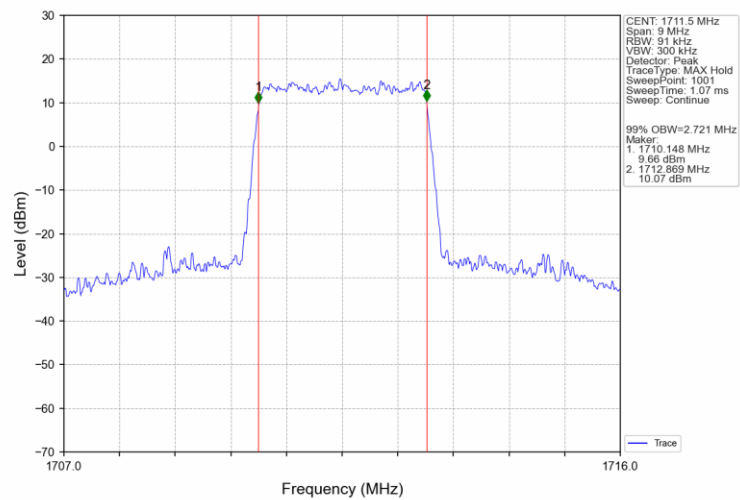
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTV



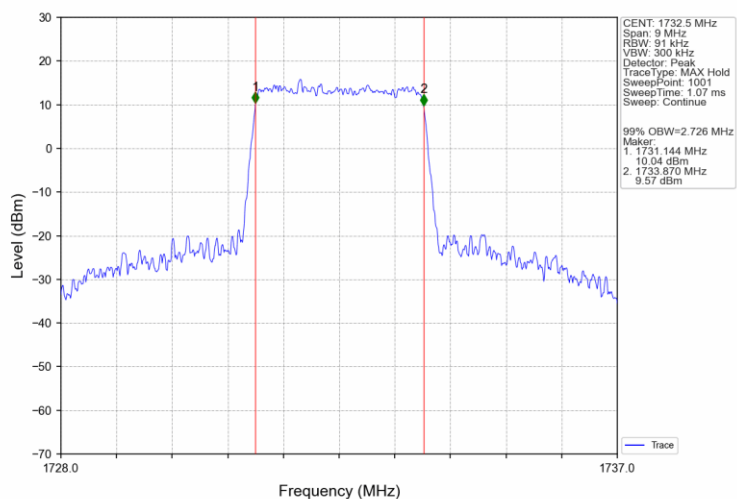
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



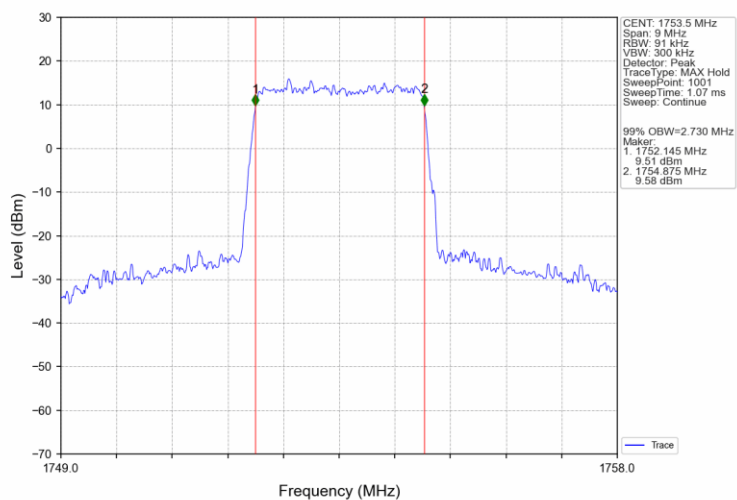
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



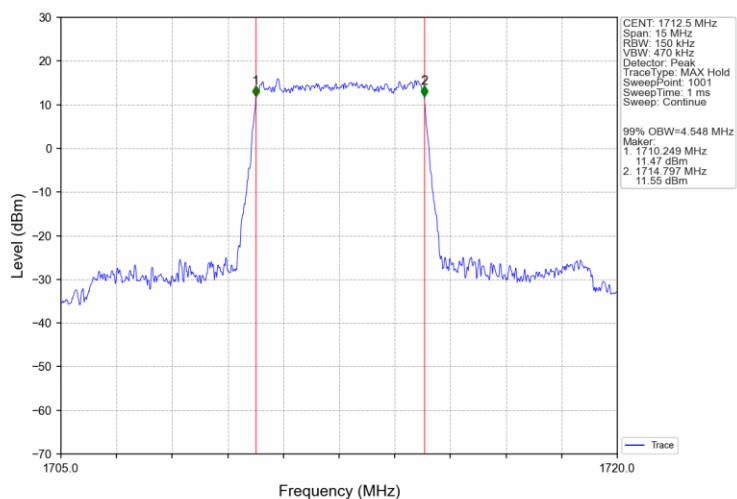
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



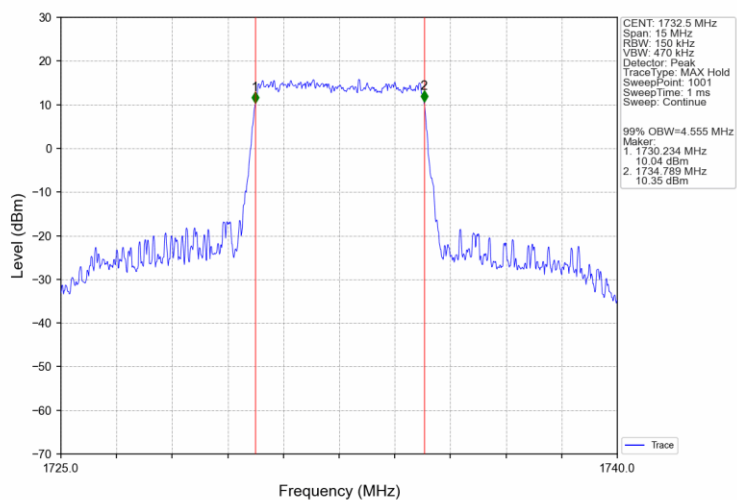
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



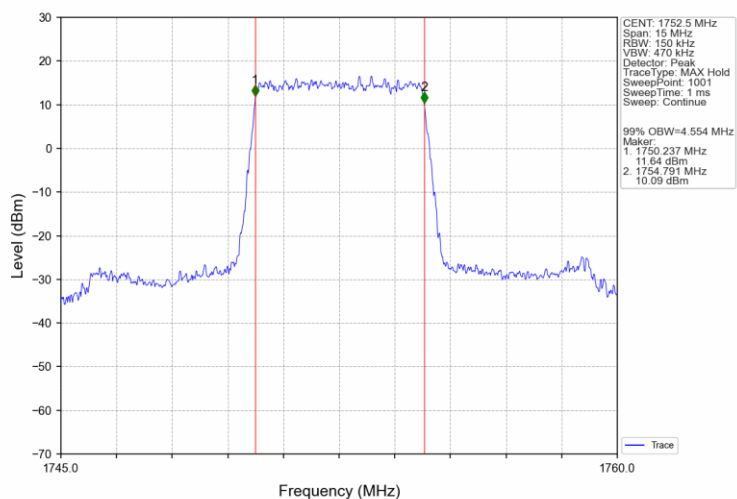
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



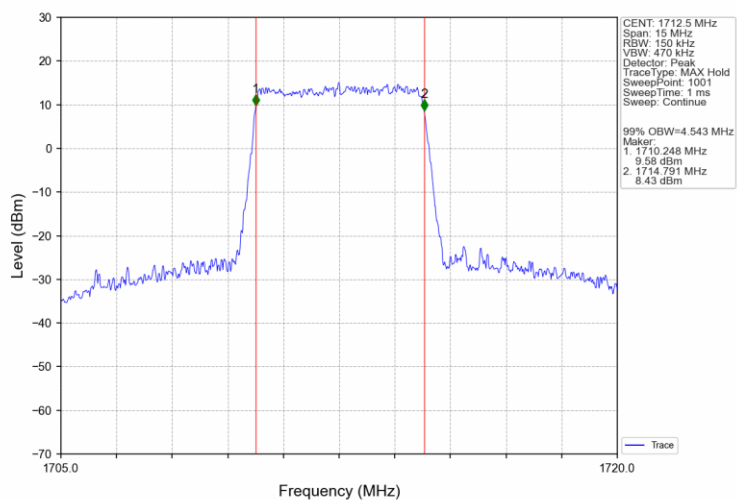
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



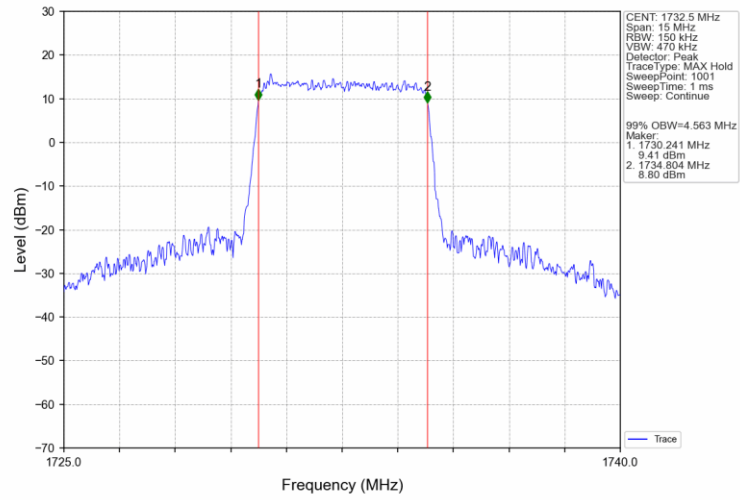
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



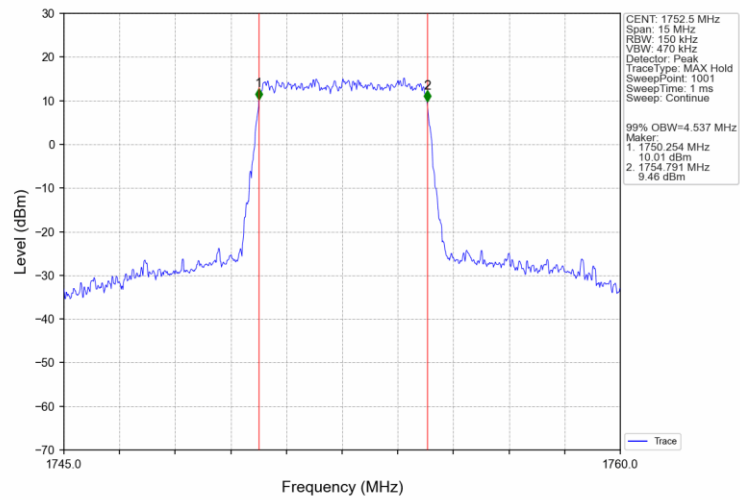
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



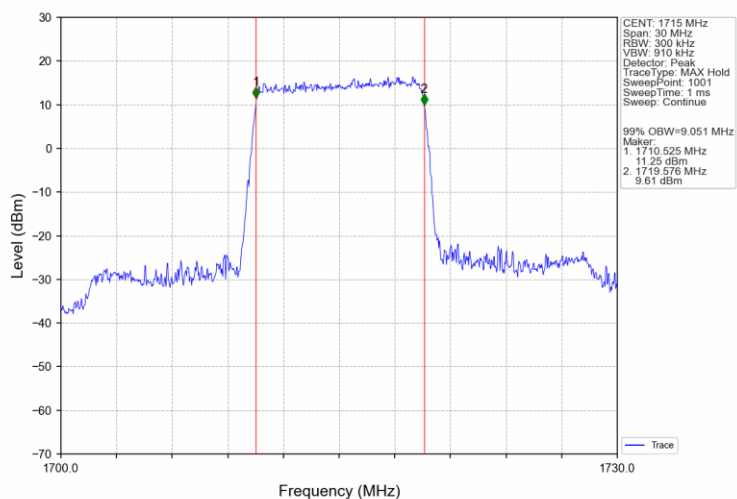
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



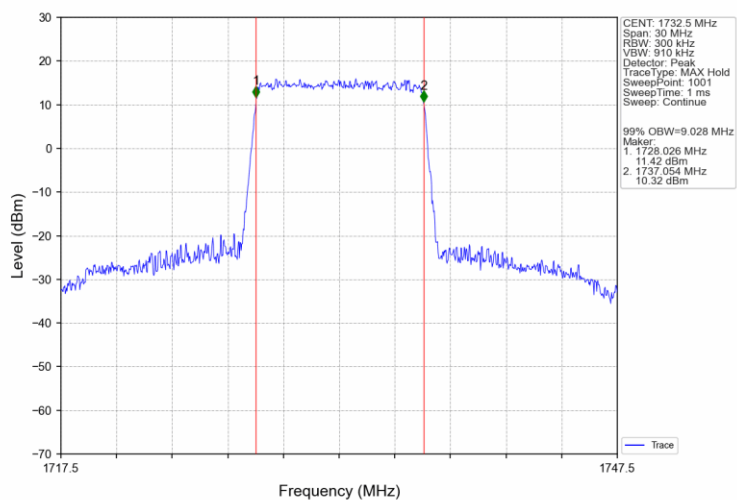
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



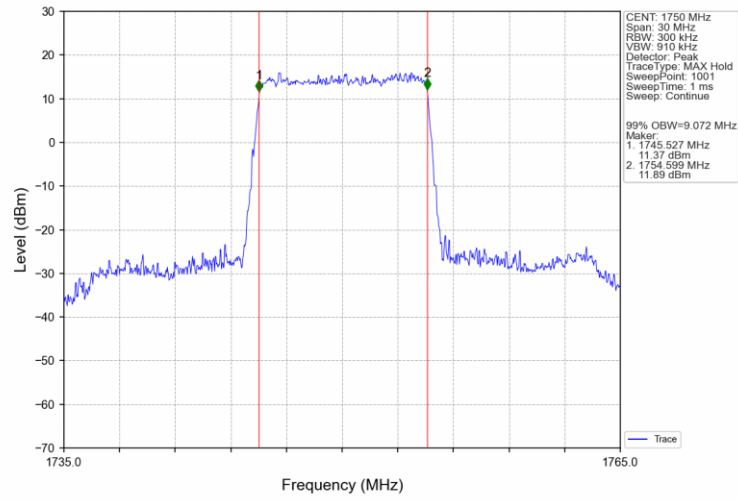
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



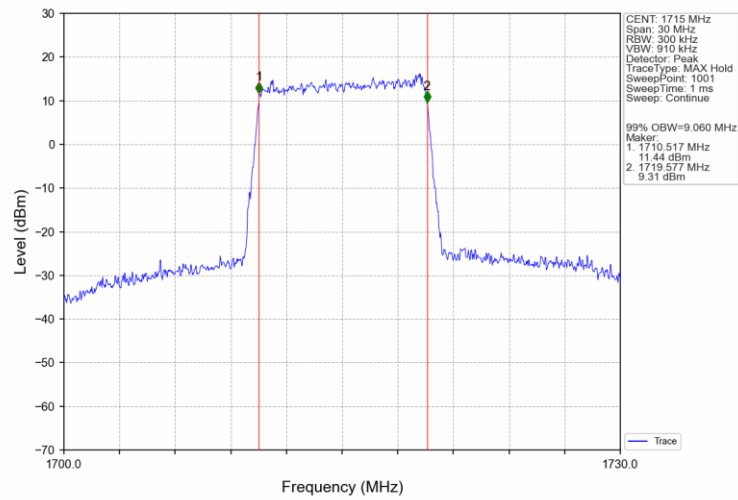
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



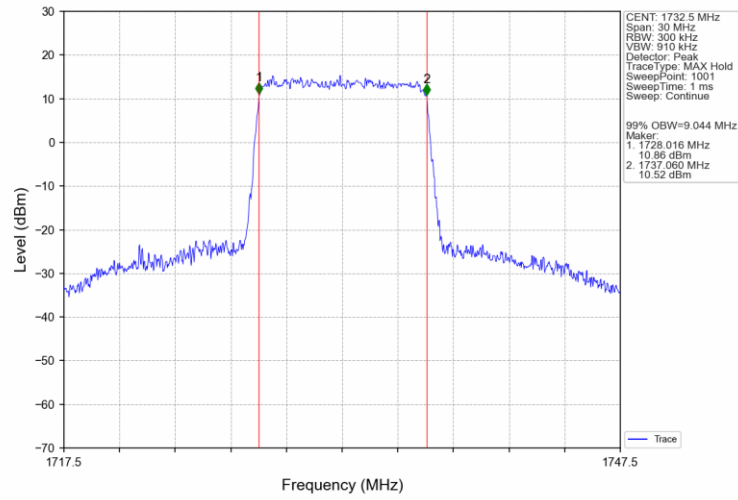
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



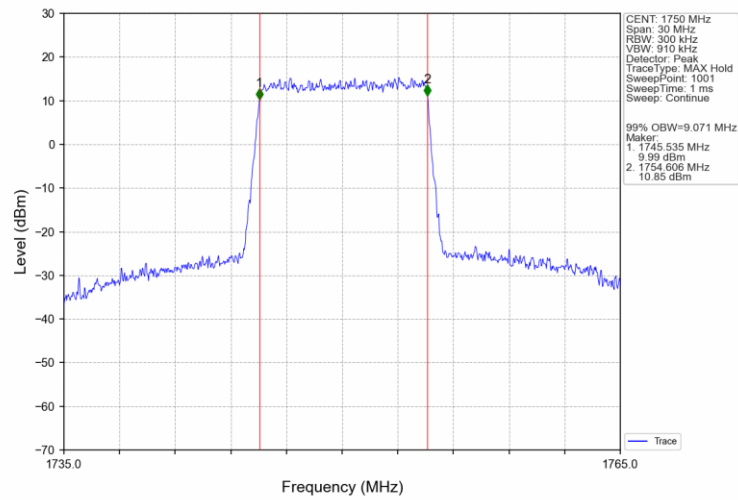
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



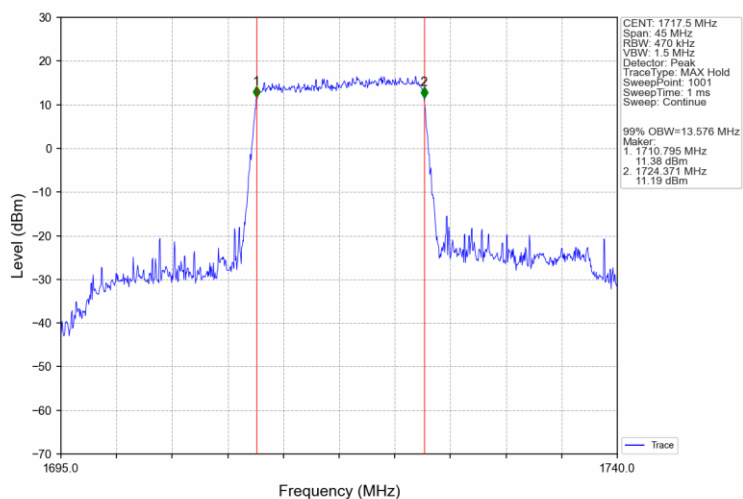
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



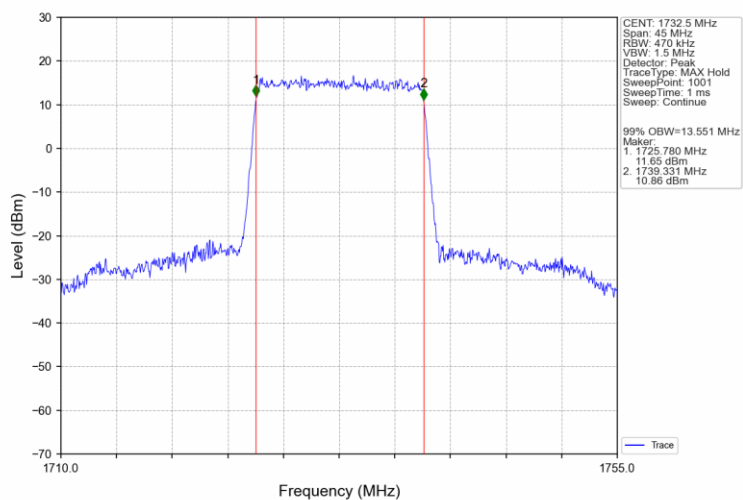
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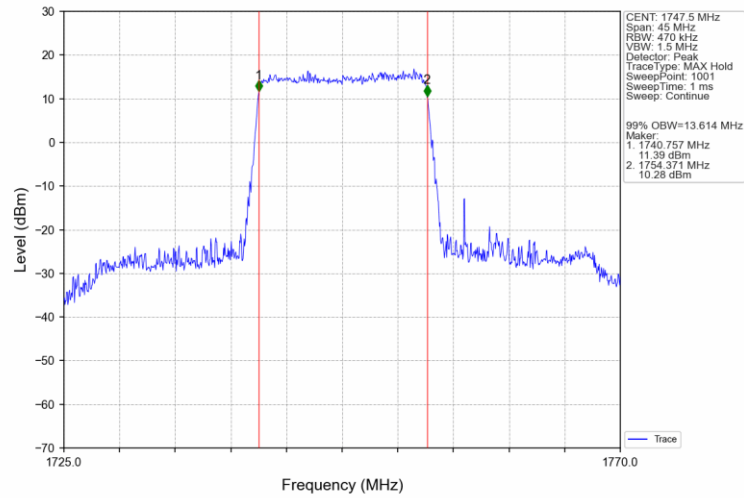
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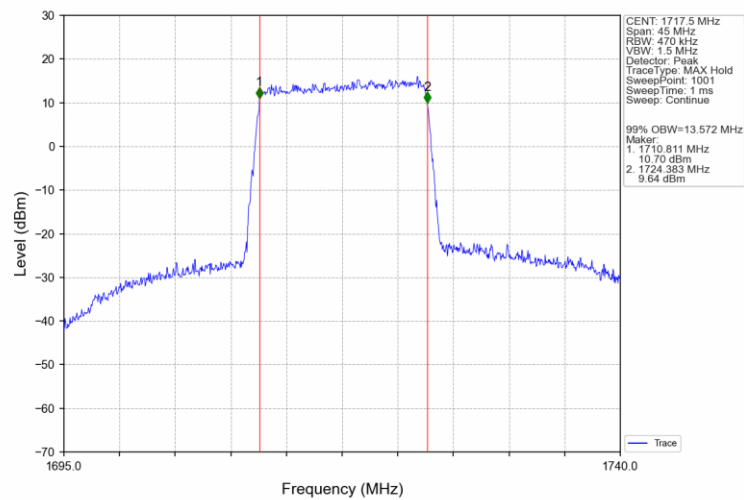
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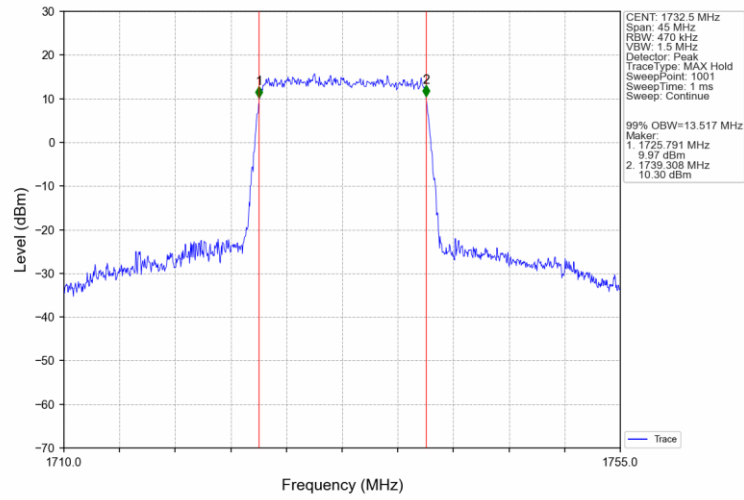
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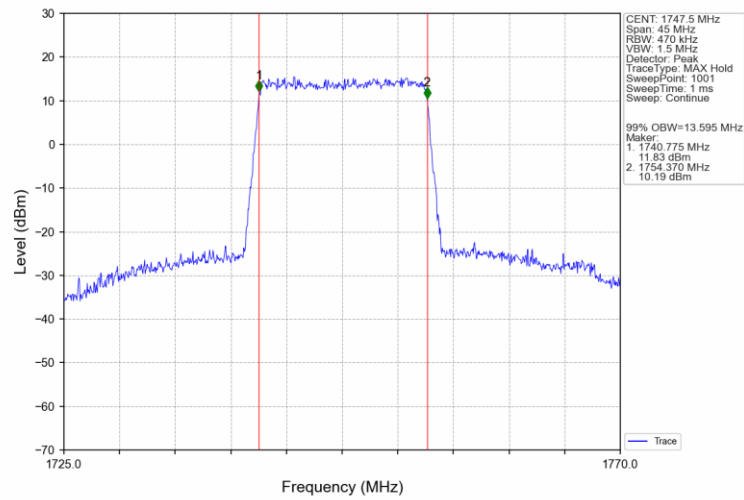
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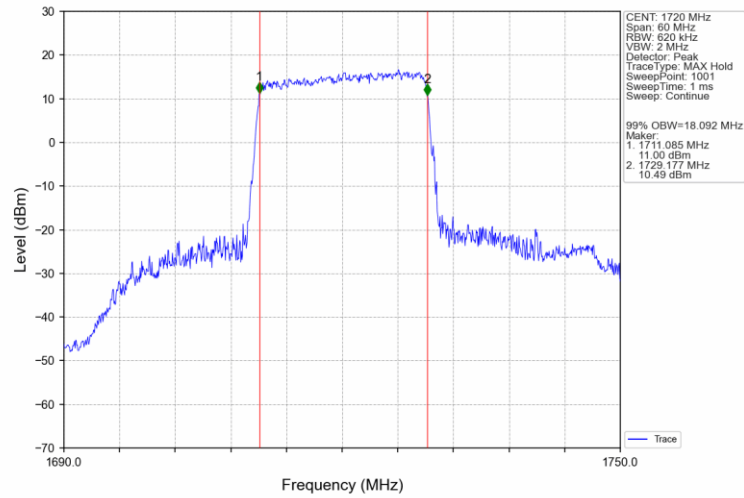
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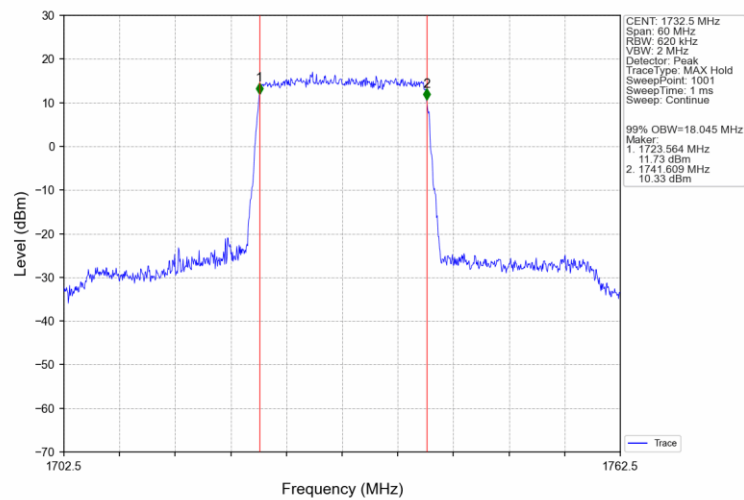
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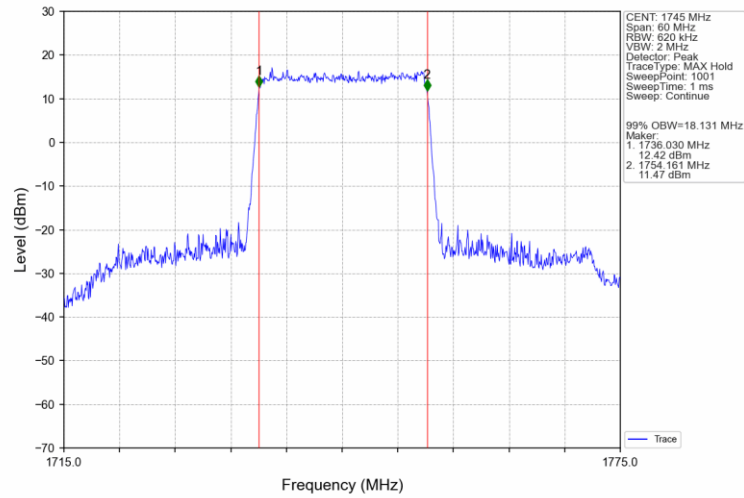
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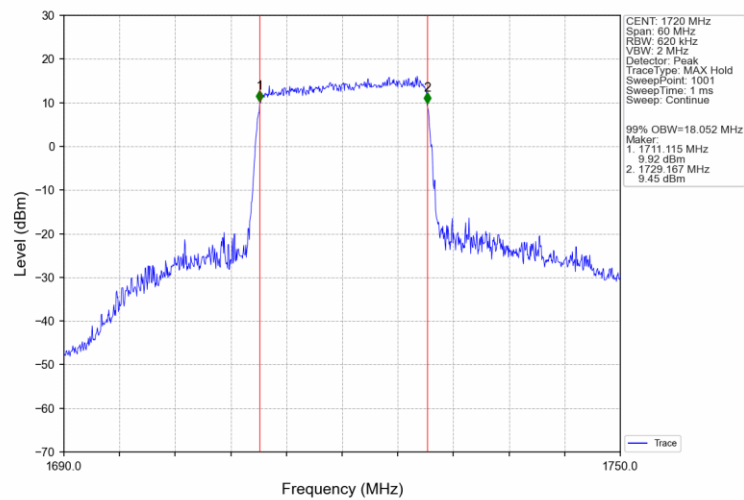
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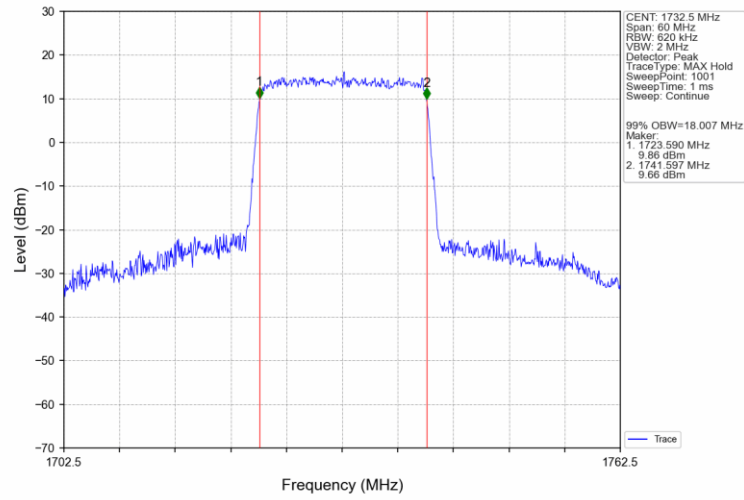
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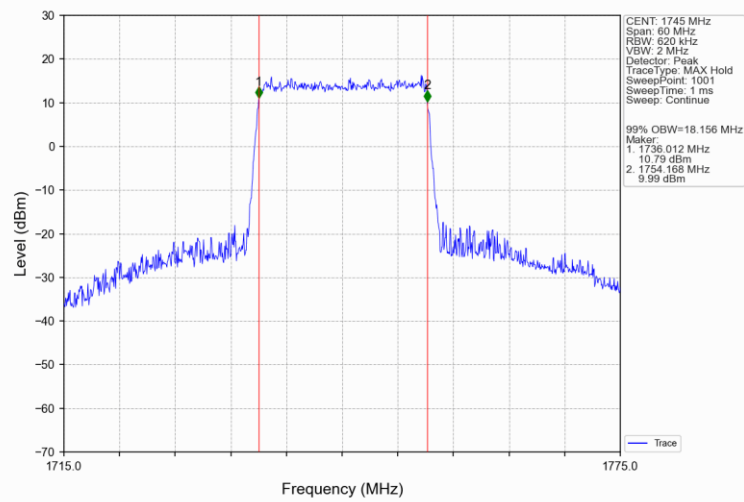
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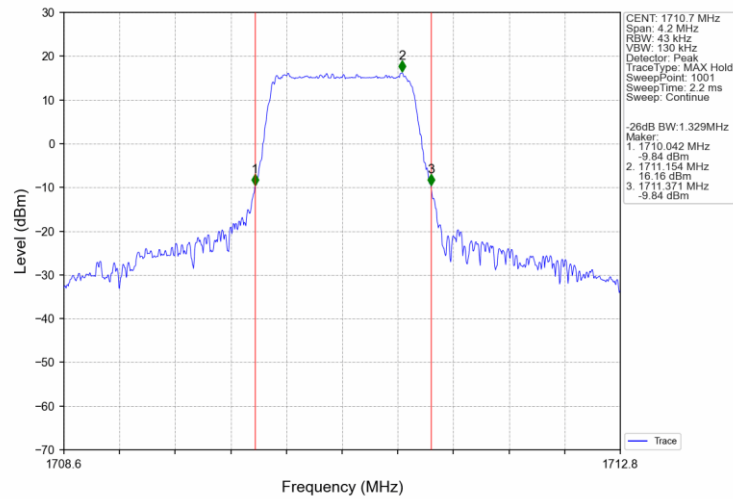


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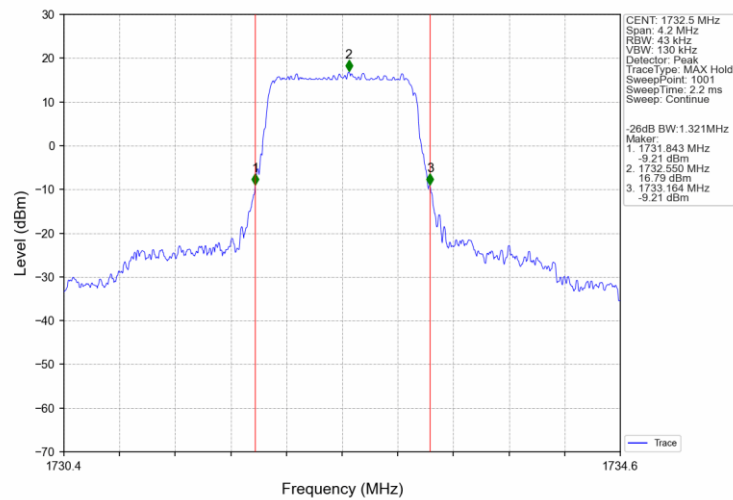


4.2.2 Band4_XDB

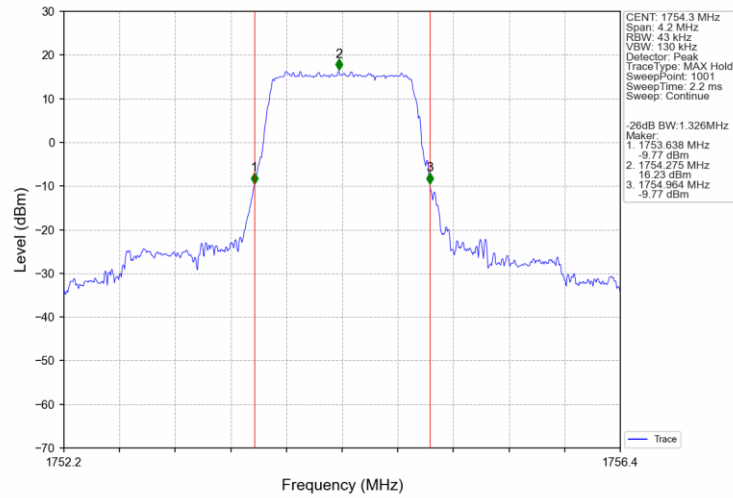
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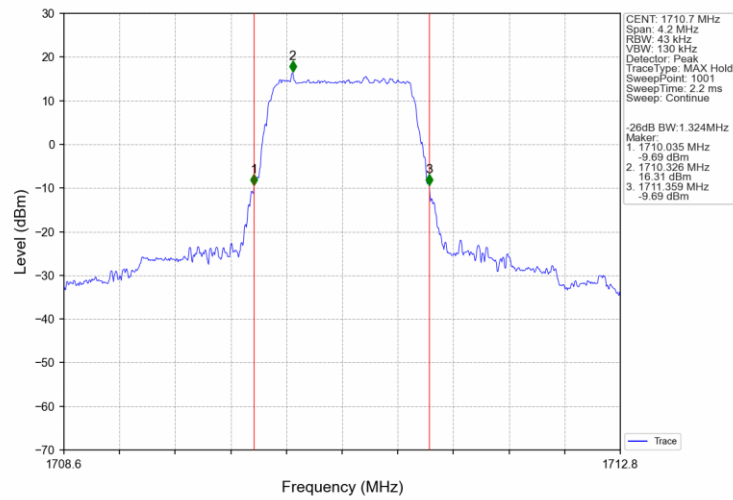
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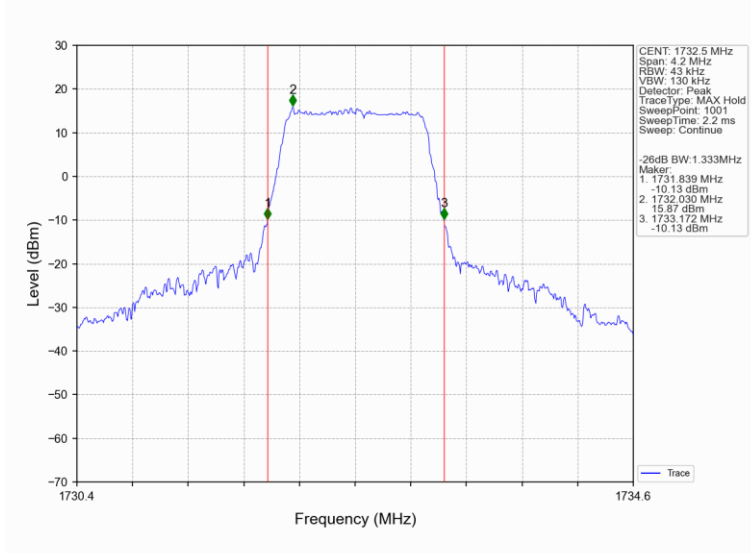
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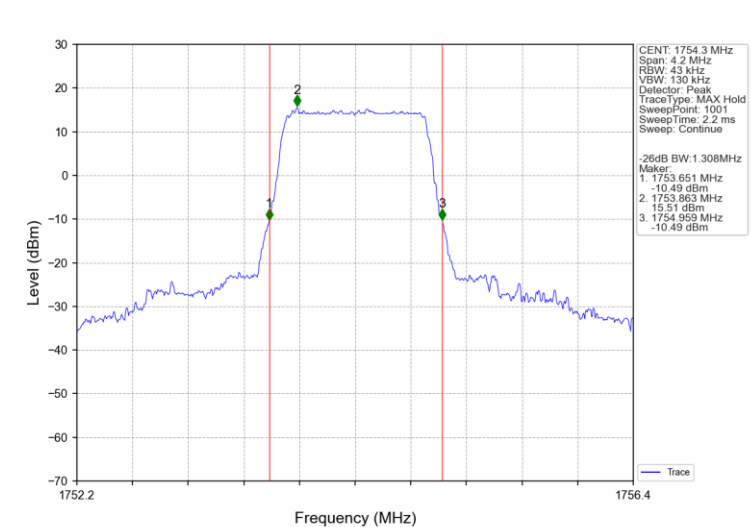
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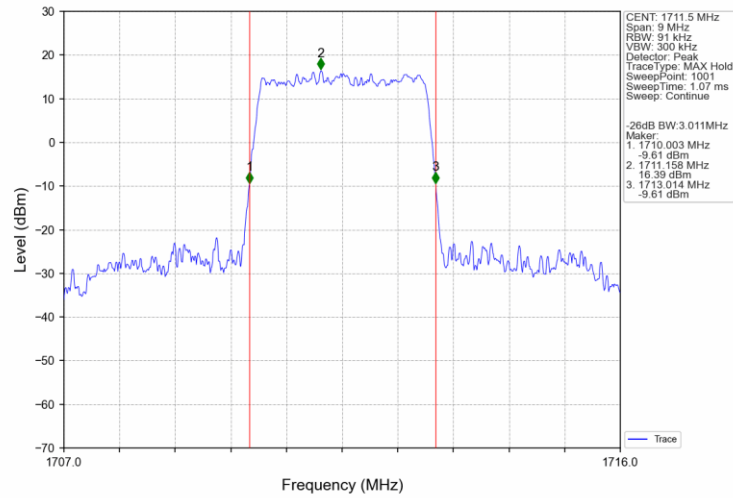
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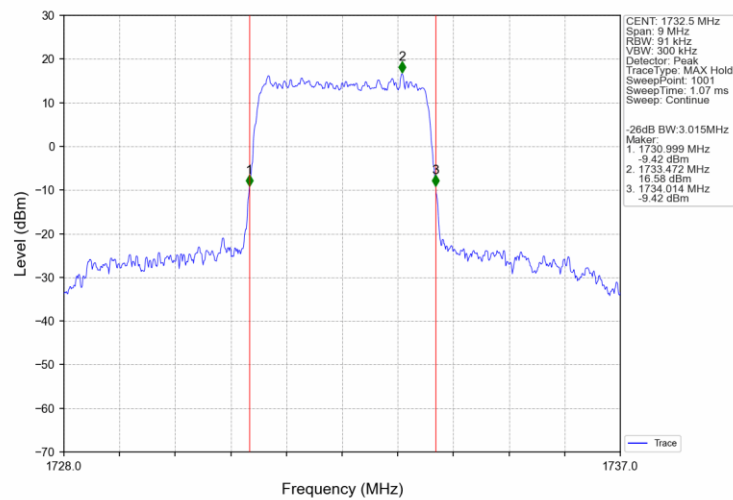
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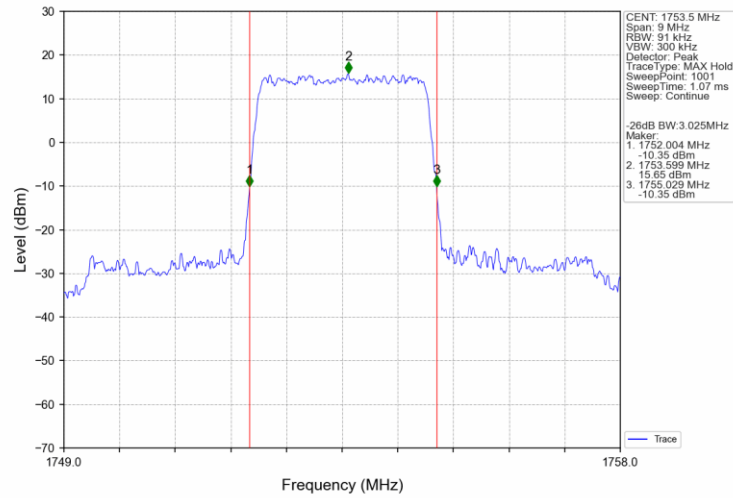
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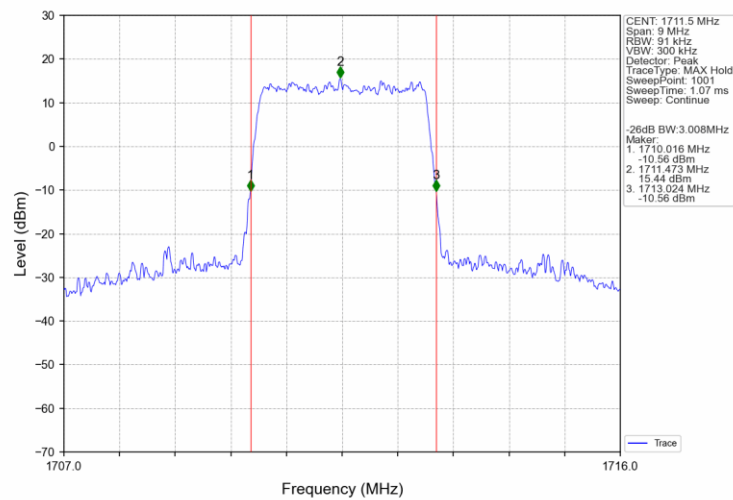
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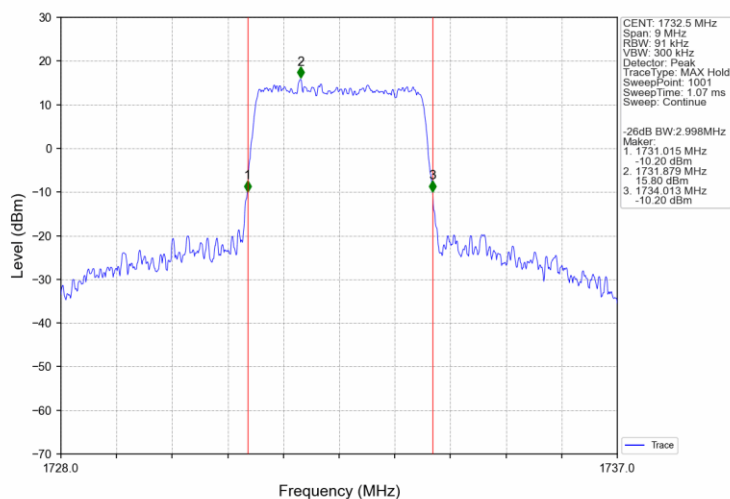
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

