

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	23.65	-5.80	17.85	<=30	Pass
			2	23.69	-5.80	17.89	<=30	Pass
			5	23.68	-5.80	17.88	<=30	Pass
		3	0	23.74	-5.80	17.94	<=30	Pass
			2	23.77	-5.80	17.97	<=30	Pass
			3	23.78	-5.80	17.98	<=30	Pass
		6	0	22.73	-5.80	16.93	<=30	Pass
	1732.5	1	0	23.34	-5.80	17.54	<=30	Pass
			2	23.37	-5.80	17.57	<=30	Pass
			5	23.37	-5.80	17.57	<=30	Pass
		3	0	23.91	-5.80	18.11	<=30	Pass
			2	23.91	-5.80	18.11	<=30	Pass
			3	23.89	-5.80	18.09	<=30	Pass
		6	0	22.97	-5.80	17.17	<=30	Pass
	1754.3	1	0	23.31	-5.80	17.51	<=30	Pass
			2	23.28	-5.80	17.48	<=30	Pass
			5	23.31	-5.80	17.51	<=30	Pass
		3	0	23.92	-5.80	18.12	<=30	Pass
			2	23.91	-5.80	18.11	<=30	Pass
			3	23.92	-5.80	18.12	<=30	Pass
		6	0	22.88	-5.80	17.08	<=30	Pass
16QAM	1710.7	1	0	22.23	-5.80	16.43	<=30	Pass
			2	22.23	-5.80	16.43	<=30	Pass
			5	22.28	-5.80	16.48	<=30	Pass
		3	0	22.74	-5.80	16.94	<=30	Pass
			2	22.73	-5.80	16.93	<=30	Pass
			3	22.72	-5.80	16.92	<=30	Pass
		6	0	21.64	-5.80	15.84	<=30	Pass
	1732.5	1	0	22.58	-5.80	16.78	<=30	Pass
			2	22.59	-5.80	16.79	<=30	Pass
			5	22.59	-5.80	16.79	<=30	Pass
		3	0	22.89	-5.80	17.09	<=30	Pass
			2	22.86	-5.80	17.06	<=30	Pass
			3	22.86	-5.80	17.06	<=30	Pass
		6	0	21.97	-5.80	16.17	<=30	Pass
	1754.3	1	0	22.39	-5.80	16.59	<=30	Pass
			2	22.36	-5.80	16.56	<=30	Pass
			5	22.37	-5.80	16.57	<=30	Pass
		3	0	23.04	-5.80	17.24	<=30	Pass
			2	23.07	-5.80	17.27	<=30	Pass
			3	23.05	-5.80	17.25	<=30	Pass
		6	0	21.87	-5.80	16.07	<=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	23.19	-5.80	17.39	<=30	Pass
			7	23.19	-5.80	17.39	<=30	Pass
			14	23.19	-5.80	17.39	<=30	Pass
		8	0	22.69	-5.80	16.89	<=30	Pass
			4	22.70	-5.80	16.90	<=30	Pass
			7	22.70	-5.80	16.90	<=30	Pass
		15	0	22.73	-5.80	16.93	<=30	Pass
	1732.5	1	0	23.32	-5.80	17.52	<=30	Pass
			7	23.32	-5.80	17.52	<=30	Pass
			14	23.31	-5.80	17.51	<=30	Pass
		8	0	22.88	-5.80	17.08	<=30	Pass
			4	22.84	-5.80	17.04	<=30	Pass
			7	22.85	-5.80	17.05	<=30	Pass
		15	0	22.88	-5.80	17.08	<=30	Pass
	1753.5	1	0	23.33	-5.80	17.53	<=30	Pass
			7	23.32	-5.80	17.52	<=30	Pass
			14	23.28	-5.80	17.48	<=30	Pass
		8	0	22.80	-5.80	17.00	<=30	Pass
			4	22.77	-5.80	16.97	<=30	Pass
			7	22.77	-5.80	16.97	<=30	Pass
		15	0	22.78	-5.80	16.98	<=30	Pass
16QAM	1711.5	1	0	22.24	-5.80	16.44	<=30	Pass
			7	22.27	-5.80	16.47	<=30	Pass
			14	22.23	-5.80	16.43	<=30	Pass
		8	0	21.77	-5.80	15.97	<=30	Pass
			4	21.79	-5.80	15.99	<=30	Pass
			7	21.78	-5.80	15.98	<=30	Pass
		15	0	21.77	-5.80	15.97	<=30	Pass
	1732.5	1	0	22.57	-5.80	16.77	<=30	Pass
			7	22.60	-5.80	16.80	<=30	Pass
			14	22.55	-5.80	16.75	<=30	Pass
		8	0	21.87	-5.80	16.07	<=30	Pass
			4	21.83	-5.80	16.03	<=30	Pass
			7	21.83	-5.80	16.03	<=30	Pass
		15	0	21.83	-5.80	16.03	<=30	Pass
	1753.5	1	0	22.86	-5.80	17.06	<=30	Pass
			7	22.83	-5.80	17.03	<=30	Pass
			14	22.81	-5.80	17.01	<=30	Pass
		8	0	21.98	-5.80	16.18	<=30	Pass
			4	21.98	-5.80	16.18	<=30	Pass
			7	21.98	-5.80	16.18	<=30	Pass
		15	0	21.88	-5.80	16.08	<=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	23.28	-5.80	17.48	<=30	Pass
			13	23.24	-5.80	17.44	<=30	Pass
			24	23.28	-5.80	17.48	<=30	Pass
		12	0	22.69	-5.80	16.89	<=30	Pass
			6	22.72	-5.80	16.92	<=30	Pass
			13	22.73	-5.80	16.93	<=30	Pass
		25	0	22.75	-5.80	16.95	<=30	Pass
	1732.5	1	0	23.41	-5.80	17.61	<=30	Pass
			13	23.37	-5.80	17.57	<=30	Pass
			24	23.42	-5.80	17.62	<=30	Pass
		12	0	22.91	-5.80	17.11	<=30	Pass
			6	22.90	-5.80	17.10	<=30	Pass
			13	22.88	-5.80	17.08	<=30	Pass
		25	0	22.92	-5.80	17.12	<=30	Pass
	1752.5	1	0	23.50	-5.80	17.70	<=30	Pass
			13	23.49	-5.80	17.69	<=30	Pass
			24	23.46	-5.80	17.66	<=30	Pass
		12	0	22.83	-5.80	17.03	<=30	Pass
			6	22.84	-5.80	17.04	<=30	Pass
			13	22.80	-5.80	17.00	<=30	Pass
		25	0	22.84	-5.80	17.04	<=30	Pass
16QAM	1712.5	1	0	22.34	-5.80	16.54	<=30	Pass
			13	22.30	-5.80	16.50	<=30	Pass
			24	22.36	-5.80	16.56	<=30	Pass
		12	0	21.65	-5.80	15.85	<=30	Pass
			6	21.72	-5.80	15.92	<=30	Pass
			13	21.73	-5.80	15.93	<=30	Pass
		25	0	21.79	-5.80	15.99	<=30	Pass
	1732.5	1	0	22.69	-5.80	16.89	<=30	Pass
			13	22.64	-5.80	16.84	<=30	Pass
			24	22.67	-5.80	16.87	<=30	Pass
		12	0	21.94	-5.80	16.14	<=30	Pass
			6	21.92	-5.80	16.12	<=30	Pass
			13	21.92	-5.80	16.12	<=30	Pass
		25	0	21.92	-5.80	16.12	<=30	Pass
	1752.5	1	0	22.21	-5.80	16.41	<=30	Pass
			13	22.19	-5.80	16.39	<=30	Pass
			24	22.19	-5.80	16.39	<=30	Pass
		12	0	21.84	-5.80	16.04	<=30	Pass
			6	21.83	-5.80	16.03	<=30	Pass
			13	21.80	-5.80	16.00	<=30	Pass
		25	0	21.87	-5.80	16.07	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.19	-5.80	17.39	<=30	Pass
			25	23.23	-5.80	17.43	<=30	Pass
			49	23.26	-5.80	17.46	<=30	Pass
		25	0	22.67	-5.80	16.87	<=30	Pass
			13	22.78	-5.80	16.98	<=30	Pass
			25	22.84	-5.80	17.04	<=30	Pass
		50	0	22.76	-5.80	16.96	<=30	Pass
	1732.5	1	0	23.32	-5.80	17.52	<=30	Pass
			25	23.38	-5.80	17.58	<=30	Pass
			49	23.38	-5.80	17.58	<=30	Pass
		25	0	22.90	-5.80	17.10	<=30	Pass
			13	22.91	-5.80	17.11	<=30	Pass
			25	22.91	-5.80	17.11	<=30	Pass
		50	0	22.90	-5.80	17.10	<=30	Pass
	1750	1	0	23.29	-5.80	17.49	<=30	Pass
			25	23.29	-5.80	17.49	<=30	Pass
			49	23.31	-5.80	17.51	<=30	Pass
		25	0	22.78	-5.80	16.98	<=30	Pass
			13	22.79	-5.80	16.99	<=30	Pass
			25	22.82	-5.80	17.02	<=30	Pass
		50	0	22.83	-5.80	17.03	<=30	Pass
16QAM	1715	1	0	22.22	-5.80	16.42	<=30	Pass
			25	22.25	-5.80	16.45	<=30	Pass
			49	22.31	-5.80	16.51	<=30	Pass
		25	0	21.75	-5.80	15.95	<=30	Pass
			13	21.86	-5.80	16.06	<=30	Pass
			25	21.92	-5.80	16.12	<=30	Pass
		50	0	21.76	-5.80	15.96	<=30	Pass
	1732.5	1	0	22.54	-5.80	16.74	<=30	Pass
			25	22.58	-5.80	16.78	<=30	Pass
			49	22.56	-5.80	16.76	<=30	Pass
		25	0	21.93	-5.80	16.13	<=30	Pass
			13	21.95	-5.80	16.15	<=30	Pass
			25	21.94	-5.80	16.14	<=30	Pass
		50	0	21.90	-5.80	16.10	<=30	Pass
	1750	1	0	22.82	-5.80	17.02	<=30	Pass
			25	22.81	-5.80	17.01	<=30	Pass
			49	22.83	-5.80	17.03	<=30	Pass
		25	0	21.83	-5.80	16.03	<=30	Pass
			13	21.85	-5.80	16.05	<=30	Pass
			25	21.89	-5.80	16.09	<=30	Pass
		50	0	21.83	-5.80	16.03	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.07	-5.80	17.27	<=30	Pass
			38	23.17	-5.80	17.37	<=30	Pass
			74	23.16	-5.80	17.36	<=30	Pass
		36	0	22.63	-5.80	16.83	<=30	Pass
			18	22.70	-5.80	16.90	<=30	Pass
			39	22.74	-5.80	16.94	<=30	Pass
		75	0	22.71	-5.80	16.91	<=30	Pass
	1732.5	1	0	23.22	-5.80	17.42	<=30	Pass
			38	23.35	-5.80	17.55	<=30	Pass
			74	23.27	-5.80	17.47	<=30	Pass
		36	0	22.85	-5.80	17.05	<=30	Pass
			18	22.87	-5.80	17.07	<=30	Pass
			39	22.88	-5.80	17.08	<=30	Pass
		75	0	22.89	-5.80	17.09	<=30	Pass
	1747.5	1	0	23.23	-5.80	17.43	<=30	Pass
			38	23.34	-5.80	17.54	<=30	Pass
			74	23.21	-5.80	17.41	<=30	Pass
		36	0	22.74	-5.80	16.94	<=30	Pass
			18	22.78	-5.80	16.98	<=30	Pass
			39	22.81	-5.80	17.01	<=30	Pass
		75	0	22.78	-5.80	16.98	<=30	Pass
16QAM	1717.5	1	0	22.51	-5.80	16.71	<=30	Pass
			38	22.59	-5.80	16.79	<=30	Pass
			74	22.62	-5.80	16.82	<=30	Pass
		36	0	21.60	-5.80	15.80	<=30	Pass
			18	21.70	-5.80	15.90	<=30	Pass
			39	21.78	-5.80	15.98	<=30	Pass
		75	0	21.73	-5.80	15.93	<=30	Pass
	1732.5	1	0	22.44	-5.80	16.64	<=30	Pass
			38	22.59	-5.80	16.79	<=30	Pass
			74	22.50	-5.80	16.70	<=30	Pass
		36	0	21.88	-5.80	16.08	<=30	Pass
			18	21.87	-5.80	16.07	<=30	Pass
			39	21.89	-5.80	16.09	<=30	Pass
		75	0	21.88	-5.80	16.08	<=30	Pass
	1747.5	1	0	22.79	-5.80	16.99	<=30	Pass
			38	22.87	-5.80	17.07	<=30	Pass
			74	22.77	-5.80	16.97	<=30	Pass
		36	0	21.80	-5.80	16.00	<=30	Pass
			18	21.81	-5.80	16.01	<=30	Pass
			39	21.82	-5.80	16.02	<=30	Pass
		75	0	21.80	-5.80	16.00	<=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	23.06	-5.80	17.26	<=30	Pass
			50	23.22	-5.80	17.42	<=30	Pass
			99	23.20	-5.80	17.40	<=30	Pass
		50	0	22.60	-5.80	16.80	<=30	Pass
			25	22.82	-5.80	17.02	<=30	Pass
			50	22.90	-5.80	17.10	<=30	Pass
		100	0	22.74	-5.80	16.94	<=30	Pass
	1732.5	1	0	23.22	-5.80	17.42	<=30	Pass
			50	23.38	-5.80	17.58	<=30	Pass
			99	23.25	-5.80	17.45	<=30	Pass
		50	0	22.85	-5.80	17.05	<=30	Pass
			25	22.92	-5.80	17.12	<=30	Pass
			50	22.93	-5.80	17.13	<=30	Pass
		100	0	22.86	-5.80	17.06	<=30	Pass
	1745	1	0	23.26	-5.80	17.46	<=30	Pass
			50	23.35	-5.80	17.55	<=30	Pass
			99	23.21	-5.80	17.41	<=30	Pass
		50	0	22.77	-5.80	16.97	<=30	Pass
			25	22.82	-5.80	17.02	<=30	Pass
			50	22.84	-5.80	17.04	<=30	Pass
		100	0	22.81	-5.80	17.01	<=30	Pass
16QAM	1720	1	0	22.70	-5.80	16.90	<=30	Pass
			50	22.84	-5.80	17.04	<=30	Pass
			99	22.87	-5.80	17.07	<=30	Pass
		50	0	21.53	-5.80	15.73	<=30	Pass
			25	21.78	-5.80	15.98	<=30	Pass
			50	21.85	-5.80	16.05	<=30	Pass
		100	0	21.74	-5.80	15.94	<=30	Pass
	1732.5	1	0	22.47	-5.80	16.67	<=30	Pass
			50	22.63	-5.80	16.83	<=30	Pass
			99	22.46	-5.80	16.66	<=30	Pass
		50	0	21.82	-5.80	16.02	<=30	Pass
			25	21.89	-5.80	16.09	<=30	Pass
			50	21.93	-5.80	16.13	<=30	Pass
		100	0	21.85	-5.80	16.05	<=30	Pass
	1745	1	0	22.56	-5.80	16.76	<=30	Pass
			50	22.65	-5.80	16.85	<=30	Pass
			99	22.52	-5.80	16.72	<=30	Pass
		50	0	21.73	-5.80	15.93	<=30	Pass
			25	21.83	-5.80	16.03	<=30	Pass
			50	21.83	-5.80	16.03	<=30	Pass
		100	0	21.78	-5.80	15.98	<=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	3.490	0.0020	-2.5 to 2.5	Pass
					NV	6.137	0.0036	-2.5 to 2.5	Pass
					HV	4.392	0.0026	-2.5 to 2.5	Pass
				-30	NV	9.613	0.0056	-2.5 to 2.5	Pass
				-20	NV	7.195	0.0042	-2.5 to 2.5	Pass
				-10	NV	6.781	0.0040	-2.5 to 2.5	Pass
				0	NV	6.351	0.0037	-2.5 to 2.5	Pass
				10	NV	4.263	0.0025	-2.5 to 2.5	Pass
				30	NV	5.980	0.0035	-2.5 to 2.5	Pass
				40	NV	9.742	0.0057	-2.5 to 2.5	Pass
				50	NV	5.279	0.0031	-2.5 to 2.5	Pass
	1732.5	6	0	20	LV	8.011	0.0046	-2.5 to 2.5	Pass
					NV	6.208	0.0036	-2.5 to 2.5	Pass
					HV	5.336	0.0031	-2.5 to 2.5	Pass
				-30	NV	4.520	0.0026	-2.5 to 2.5	Pass
				-20	NV	6.237	0.0036	-2.5 to 2.5	Pass
				-10	NV	6.480	0.0037	-2.5 to 2.5	Pass
				0	NV	6.509	0.0038	-2.5 to 2.5	Pass
				10	NV	-13.890	-0.0080	-2.5 to 2.5	Pass
				30	NV	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	NV	1.903	0.0011	-2.5 to 2.5	Pass
				50	NV	6.609	0.0038	-2.5 to 2.5	Pass
	1754.3	6	0	20	LV	5.093	0.0029	-2.5 to 2.5	Pass
					NV	2.489	0.0014	-2.5 to 2.5	Pass
					HV	-3.533	-0.0020	-2.5 to 2.5	Pass
				-30	NV	3.004	0.0017	-2.5 to 2.5	Pass
				-20	NV	-17.252	-0.0098	-2.5 to 2.5	Pass
				-10	NV	-2.947	-0.0017	-2.5 to 2.5	Pass
				0	NV	-3.948	-0.0023	-2.5 to 2.5	Pass
				10	NV	-3.362	-0.0019	-2.5 to 2.5	Pass
				30	NV	4.120	0.0023	-2.5 to 2.5	Pass
				40	NV	-1.373	-0.0008	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	LV	8.612	0.0050	-2.5 to 2.5	Pass
					NV	3.462	0.0020	-2.5 to 2.5	Pass
					HV	7.110	0.0042	-2.5 to 2.5	Pass
				-30	NV	2.704	0.0016	-2.5 to 2.5	Pass
				-20	NV	5.193	0.0030	-2.5 to 2.5	Pass
				-10	NV	3.548	0.0021	-2.5 to 2.5	Pass
				0	NV	9.255	0.0054	-2.5 to 2.5	Pass
				10	NV	4.306	0.0025	-2.5 to 2.5	Pass
				30	NV	0.300	0.0002	-2.5 to 2.5	Pass
				40	NV	0.987	0.0006	-2.5 to 2.5	Pass
				50	NV	5.822	0.0034	-2.5 to 2.5	Pass
	1732.5	6	0	20	LV	7.696	0.0044	-2.5 to 2.5	Pass
					NV	5.708	0.0033	-2.5 to 2.5	Pass
					HV	-0.544	-0.0003	-2.5 to 2.5	Pass
				-30	NV	1.101	0.0006	-2.5 to 2.5	Pass
				-20	NV	-2.446	-0.0014	-2.5 to 2.5	Pass
				-10	NV	1.302	0.0008	-2.5 to 2.5	Pass

				0	NV	7.567	0.0044	-2.5 to 2.5	Pass
				10	NV	-6.180	-0.0036	-2.5 to 2.5	Pass
				30	NV	2.389	0.0014	-2.5 to 2.5	Pass
				40	NV	9.656	0.0056	-2.5 to 2.5	Pass
				50	NV	0.830	0.0005	-2.5 to 2.5	Pass
	1754.3	6	0	20	LV	-0.944	-0.0005	-2.5 to 2.5	Pass
					NV	-2.532	-0.0014	-2.5 to 2.5	Pass
					HV	-8.254	-0.0047	-2.5 to 2.5	Pass
				-30	NV	0.114	0.0001	-2.5 to 2.5	Pass
				-20	NV	-7.768	-0.0044	-2.5 to 2.5	Pass
				-10	NV	-0.200	-0.0001	-2.5 to 2.5	Pass
				0	NV	-5.250	-0.0030	-2.5 to 2.5	Pass
				10	NV	6.695	0.0038	-2.5 to 2.5	Pass
				30	NV	0.057	0.0000	-2.5 to 2.5	Pass
				40	NV	-3.133	-0.0018	-2.5 to 2.5	Pass
				50	NV	5.808	0.0033	-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	-0.987	-0.0006	-2.5 to 2.5	Pass
					NV	-3.905	-0.0023	-2.5 to 2.5	Pass
					HV	7.682	0.0045	-2.5 to 2.5	Pass
				-30	NV	-0.172	-0.0001	-2.5 to 2.5	Pass
				-20	NV	2.975	0.0017	-2.5 to 2.5	Pass
				-10	NV	1.860	0.0011	-2.5 to 2.5	Pass
				0	NV	2.890	0.0017	-2.5 to 2.5	Pass
				10	NV	0.744	0.0004	-2.5 to 2.5	Pass
				30	NV	0.858	0.0005	-2.5 to 2.5	Pass
				40	NV	1.302	0.0008	-2.5 to 2.5	Pass
	1732.5	15	0	50	NV	-2.146	-0.0013	-2.5 to 2.5	Pass
				20	LV	8.068	0.0047	-2.5 to 2.5	Pass
					NV	-2.375	-0.0014	-2.5 to 2.5	Pass
					HV	4.320	0.0025	-2.5 to 2.5	Pass
				-30	NV	8.826	0.0051	-2.5 to 2.5	Pass
				-20	NV	4.263	0.0025	-2.5 to 2.5	Pass
				-10	NV	6.595	0.0038	-2.5 to 2.5	Pass
				0	NV	-0.858	-0.0005	-2.5 to 2.5	Pass
				10	NV	-4.420	-0.0026	-2.5 to 2.5	Pass
				30	NV	1.831	0.0011	-2.5 to 2.5	Pass
	1753.5	15	0	40	NV	1.259	0.0007	-2.5 to 2.5	Pass
				50	NV	2.332	0.0013	-2.5 to 2.5	Pass
				20	LV	3.061	0.0017	-2.5 to 2.5	Pass
					NV	6.738	0.0038	-2.5 to 2.5	Pass
					HV	8.755	0.0050	-2.5 to 2.5	Pass
				-30	NV	-3.262	-0.0019	-2.5 to 2.5	Pass
				-20	NV	-8.683	-0.0050	-2.5 to 2.5	Pass
				-10	NV	-2.246	-0.0013	-2.5 to 2.5	Pass
				0	NV	-1.388	-0.0008	-2.5 to 2.5	Pass
				10	NV	-0.601	-0.0003	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	LV	2.604	0.0015	-2.5 to 2.5	Pass
					NV	-0.758	-0.0004	-2.5 to 2.5	Pass
					HV	6.924	0.0040	-2.5 to 2.5	Pass
				50	NV	4.435	0.0025	-2.5 to 2.5	Pass

				-30	NV	-2.389	-0.0014	-2.5 to 2.5	Pass
				-20	NV	2.074	0.0012	-2.5 to 2.5	Pass
				-10	NV	-0.629	-0.0004	-2.5 to 2.5	Pass
				0	NV	-2.146	-0.0013	-2.5 to 2.5	Pass
				10	NV	8.640	0.0050	-2.5 to 2.5	Pass
				30	NV	4.506	0.0026	-2.5 to 2.5	Pass
				40	NV	1.345	0.0008	-2.5 to 2.5	Pass
				50	NV	-2.990	-0.0017	-2.5 to 2.5	Pass
	1732.5	15	0	20	LV	5.879	0.0034	-2.5 to 2.5	Pass
					NV	0.787	0.0005	-2.5 to 2.5	Pass
					HV	1.130	0.0007	-2.5 to 2.5	Pass
				-30	NV	1.531	0.0009	-2.5 to 2.5	Pass
				-20	NV	7.825	0.0045	-2.5 to 2.5	Pass
				-10	NV	5.622	0.0032	-2.5 to 2.5	Pass
				0	NV	0.229	0.0001	-2.5 to 2.5	Pass
				10	NV	4.334	0.0025	-2.5 to 2.5	Pass
				30	NV	-13.375	-0.0077	-2.5 to 2.5	Pass
				40	NV	-0.887	-0.0005	-2.5 to 2.5	Pass
				50	NV	9.370	0.0054	-2.5 to 2.5	Pass
	1753.5	15	0	20	LV	5.035	0.0029	-2.5 to 2.5	Pass
					NV	-2.847	-0.0016	-2.5 to 2.5	Pass
					HV	1.574	0.0009	-2.5 to 2.5	Pass
				-30	NV	10.114	0.0058	-2.5 to 2.5	Pass
				-20	NV	-4.120	-0.0023	-2.5 to 2.5	Pass
				-10	NV	12.174	0.0069	-2.5 to 2.5	Pass
				0	NV	-7.839	-0.0045	-2.5 to 2.5	Pass
				10	NV	8.869	0.0051	-2.5 to 2.5	Pass
				30	NV	-3.290	-0.0019	-2.5 to 2.5	Pass
				40	NV	6.709	0.0038	-2.5 to 2.5	Pass
				50	NV	-7.038	-0.0040	-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	0.086	0.0001	-2.5 to 2.5	Pass
					NV	5.150	0.0030	-2.5 to 2.5	Pass
					HV	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	NV	1.531	0.0009	-2.5 to 2.5	Pass
				-20	NV	-3.619	-0.0021	-2.5 to 2.5	Pass
				-10	NV	4.420	0.0026	-2.5 to 2.5	Pass
				0	NV	-0.858	-0.0005	-2.5 to 2.5	Pass
				10	NV	3.247	0.0019	-2.5 to 2.5	Pass
				30	NV	-0.715	-0.0004	-2.5 to 2.5	Pass
				40	NV	3.819	0.0022	-2.5 to 2.5	Pass
				50	NV	3.505	0.0020	-2.5 to 2.5	Pass
	1732.5	25	0	20	LV	-0.486	-0.0003	-2.5 to 2.5	Pass
					NV	-2.103	-0.0012	-2.5 to 2.5	Pass
					HV	1.130	0.0007	-2.5 to 2.5	Pass
				-30	NV	2.103	0.0012	-2.5 to 2.5	Pass
				-20	NV	-2.789	-0.0016	-2.5 to 2.5	Pass
				-10	NV	-0.744	-0.0004	-2.5 to 2.5	Pass
				0	NV	-6.208	-0.0036	-2.5 to 2.5	Pass
				10	NV	-2.446	-0.0014	-2.5 to 2.5	Pass
				30	NV	-4.492	-0.0026	-2.5 to 2.5	Pass
				40	NV	4.549	0.0026	-2.5 to 2.5	Pass
				50	NV	-7.911	-0.0046	-2.5 to 2.5	Pass

	1752.5	25	0	20	LV	-10.085	-0.0058	-2.5 to 2.5	Pass
					NV	-2.904	-0.0017	-2.5 to 2.5	Pass
					HV	-4.420	-0.0025	-2.5 to 2.5	Pass
				-30	NV	1.874	0.0011	-2.5 to 2.5	Pass
				-20	NV	1.631	0.0009	-2.5 to 2.5	Pass
				-10	NV	1.030	0.0006	-2.5 to 2.5	Pass
				0	NV	-5.193	-0.0030	-2.5 to 2.5	Pass
				10	NV	4.177	0.0024	-2.5 to 2.5	Pass
				30	NV	-1.130	-0.0006	-2.5 to 2.5	Pass
				40	NV	3.505	0.0020	-2.5 to 2.5	Pass
				50	NV	-6.981	-0.0040	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	LV	4.621	0.0027	-2.5 to 2.5	Pass
					NV	7.710	0.0045	-2.5 to 2.5	Pass
					HV	1.860	0.0011	-2.5 to 2.5	Pass
				-30	NV	0.215	0.0001	-2.5 to 2.5	Pass
				-20	NV	3.004	0.0018	-2.5 to 2.5	Pass
				-10	NV	7.567	0.0044	-2.5 to 2.5	Pass
				0	NV	0.229	0.0001	-2.5 to 2.5	Pass
				10	NV	1.988	0.0012	-2.5 to 2.5	Pass
				30	NV	6.909	0.0040	-2.5 to 2.5	Pass
				40	NV	-1.273	-0.0007	-2.5 to 2.5	Pass
				50	NV	4.191	0.0024	-2.5 to 2.5	Pass
	1732.5	25	0	20	LV	1.774	0.0010	-2.5 to 2.5	Pass
					NV	-2.389	-0.0014	-2.5 to 2.5	Pass
					HV	1.631	0.0009	-2.5 to 2.5	Pass
				-30	NV	0.887	0.0005	-2.5 to 2.5	Pass
				-20	NV	0.129	0.0001	-2.5 to 2.5	Pass
				-10	NV	1.802	0.0010	-2.5 to 2.5	Pass
				0	NV	2.604	0.0015	-2.5 to 2.5	Pass
				10	NV	-2.232	-0.0013	-2.5 to 2.5	Pass
				30	NV	1.488	0.0009	-2.5 to 2.5	Pass
				40	NV	-4.478	-0.0026	-2.5 to 2.5	Pass
				50	NV	4.091	0.0024	-2.5 to 2.5	Pass
	1752.5	25	0	20	LV	-7.210	-0.0041	-2.5 to 2.5	Pass
					NV	-4.292	-0.0024	-2.5 to 2.5	Pass
					HV	-1.602	-0.0009	-2.5 to 2.5	Pass
				-30	NV	2.775	0.0016	-2.5 to 2.5	Pass
				-20	NV	-6.251	-0.0036	-2.5 to 2.5	Pass
				-10	NV	-5.193	-0.0030	-2.5 to 2.5	Pass
				0	NV	-3.376	-0.0019	-2.5 to 2.5	Pass
				10	NV	-0.014	0.0000	-2.5 to 2.5	Pass
				30	NV	-3.963	-0.0023	-2.5 to 2.5	Pass
				40	NV	-1.116	-0.0006	-2.5 to 2.5	Pass
				50	NV	-4.005	-0.0023	-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	-0.200	-0.0001	-2.5 to 2.5	Pass
					NV	0.587	0.0003	-2.5 to 2.5	Pass
					HV	3.362	0.0020	-2.5 to 2.5	Pass
				-30	NV	2.646	0.0015	-2.5 to 2.5	Pass
				-20	NV	3.376	0.0020	-2.5 to 2.5	Pass
				-10	NV	0.057	0.0000	-2.5 to 2.5	Pass
				0	NV	0.558	0.0003	-2.5 to 2.5	Pass
				10	NV	0.515	0.0003	-2.5 to 2.5	Pass

				30	NV	5.007	0.0029	-2.5 to 2.5	Pass
				40	NV	5.565	0.0032	-2.5 to 2.5	Pass
				50	NV	2.561	0.0015	-2.5 to 2.5	Pass
	1732.5	50	0	20	LV	1.173	0.0007	-2.5 to 2.5	Pass
					NV	2.861	0.0017	-2.5 to 2.5	Pass
					HV	1.602	0.0009	-2.5 to 2.5	Pass
				-30	NV	-1.245	-0.0007	-2.5 to 2.5	Pass
				-20	NV	-1.016	-0.0006	-2.5 to 2.5	Pass
				-10	NV	-0.329	-0.0002	-2.5 to 2.5	Pass
				0	NV	-0.415	-0.0002	-2.5 to 2.5	Pass
				10	NV	2.432	0.0014	-2.5 to 2.5	Pass
				30	NV	0.958	0.0006	-2.5 to 2.5	Pass
				40	NV	0.343	0.0002	-2.5 to 2.5	Pass
				50	NV	-1.831	-0.0011	-2.5 to 2.5	Pass
	1750	50	0	20	LV	2.933	0.0017	-2.5 to 2.5	Pass
					NV	7.811	0.0045	-2.5 to 2.5	Pass
					HV	5.221	0.0030	-2.5 to 2.5	Pass
				-30	NV	6.981	0.0040	-2.5 to 2.5	Pass
				-20	NV	4.563	0.0026	-2.5 to 2.5	Pass
				-10	NV	3.977	0.0023	-2.5 to 2.5	Pass
				0	NV	4.392	0.0025	-2.5 to 2.5	Pass
				10	NV	4.334	0.0025	-2.5 to 2.5	Pass
				30	NV	8.283	0.0047	-2.5 to 2.5	Pass
				40	NV	3.233	0.0018	-2.5 to 2.5	Pass
				50	NV	9.456	0.0054	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	LV	4.449	0.0026	-2.5 to 2.5	Pass
					NV	1.960	0.0011	-2.5 to 2.5	Pass
					HV	2.732	0.0016	-2.5 to 2.5	Pass
				-30	NV	2.646	0.0015	-2.5 to 2.5	Pass
				-20	NV	3.948	0.0023	-2.5 to 2.5	Pass
				-10	NV	6.623	0.0039	-2.5 to 2.5	Pass
				0	NV	2.046	0.0012	-2.5 to 2.5	Pass
				10	NV	2.961	0.0017	-2.5 to 2.5	Pass
				30	NV	1.545	0.0009	-2.5 to 2.5	Pass
				40	NV	2.689	0.0016	-2.5 to 2.5	Pass
				50	NV	1.488	0.0009	-2.5 to 2.5	Pass
	1732.5	50	0	20	LV	-0.300	-0.0002	-2.5 to 2.5	Pass
					NV	3.562	0.0021	-2.5 to 2.5	Pass
					HV	-0.744	-0.0004	-2.5 to 2.5	Pass
				-30	NV	-0.844	-0.0005	-2.5 to 2.5	Pass
				-20	NV	-2.990	-0.0017	-2.5 to 2.5	Pass
				-10	NV	3.977	0.0023	-2.5 to 2.5	Pass
				0	NV	0.887	0.0005	-2.5 to 2.5	Pass
				10	NV	2.303	0.0013	-2.5 to 2.5	Pass
				30	NV	-0.901	-0.0005	-2.5 to 2.5	Pass
				40	NV	-5.236	-0.0030	-2.5 to 2.5	Pass
				50	NV	-4.406	-0.0025	-2.5 to 2.5	Pass
	1750	50	0	20	LV	3.948	0.0023	-2.5 to 2.5	Pass
					NV	5.436	0.0031	-2.5 to 2.5	Pass
					HV	9.027	0.0052	-2.5 to 2.5	Pass
				-30	NV	4.678	0.0027	-2.5 to 2.5	Pass
				-20	NV	6.251	0.0036	-2.5 to 2.5	Pass
				-10	NV	5.751	0.0033	-2.5 to 2.5	Pass
				0	NV	6.022	0.0034	-2.5 to 2.5	Pass
				10	NV	7.367	0.0042	-2.5 to 2.5	Pass
				30	NV	7.439	0.0043	-2.5 to 2.5	Pass
				40	NV	-0.758	-0.0004	-2.5 to 2.5	Pass
				50	NV	6.380	0.0036	-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	1.416	0.0008	-2.5 to 2.5	Pass
					NV	-0.572	-0.0003	-2.5 to 2.5	Pass
					HV	0.358	0.0002	-2.5 to 2.5	Pass
				-30	NV	-0.200	-0.0001	-2.5 to 2.5	Pass
				-20	NV	1.574	0.0009	-2.5 to 2.5	Pass
				-10	NV	0.186	0.0001	-2.5 to 2.5	Pass
				0	NV	0.200	0.0001	-2.5 to 2.5	Pass
				10	NV	-0.615	-0.0004	-2.5 to 2.5	Pass
				30	NV	2.761	0.0016	-2.5 to 2.5	Pass
				40	NV	3.648	0.0021	-2.5 to 2.5	Pass
				50	NV	-1.302	-0.0008	-2.5 to 2.5	Pass
	1732.5	75	0	20	LV	1.817	0.0010	-2.5 to 2.5	Pass
					NV	1.130	0.0007	-2.5 to 2.5	Pass
					HV	0.601	0.0003	-2.5 to 2.5	Pass
				-30	NV	1.588	0.0009	-2.5 to 2.5	Pass
				-20	NV	0.343	0.0002	-2.5 to 2.5	Pass
				-10	NV	2.890	0.0017	-2.5 to 2.5	Pass
				0	NV	3.805	0.0022	-2.5 to 2.5	Pass
				10	NV	0.072	0.0000	-2.5 to 2.5	Pass
				30	NV	0.329	0.0002	-2.5 to 2.5	Pass
				40	NV	1.345	0.0008	-2.5 to 2.5	Pass
				50	NV	2.689	0.0016	-2.5 to 2.5	Pass
	1747.5	75	0	20	LV	-1.287	-0.0007	-2.5 to 2.5	Pass
					NV	-1.774	-0.0010	-2.5 to 2.5	Pass
					HV	-4.907	-0.0028	-2.5 to 2.5	Pass
				-30	NV	-1.488	-0.0009	-2.5 to 2.5	Pass
				-20	NV	0.157	0.0001	-2.5 to 2.5	Pass
				-10	NV	-5.550	-0.0032	-2.5 to 2.5	Pass
				0	NV	3.848	0.0022	-2.5 to 2.5	Pass
				10	NV	0.243	0.0001	-2.5 to 2.5	Pass
				30	NV	-1.659	-0.0009	-2.5 to 2.5	Pass
				40	NV	0.129	0.0001	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	LV	3.233	0.0019	-2.5 to 2.5	Pass
					NV	1.860	0.0011	-2.5 to 2.5	Pass
					HV	0.587	0.0003	-2.5 to 2.5	Pass
				-30	NV	0.815	0.0005	-2.5 to 2.5	Pass
				-20	NV	-1.073	-0.0006	-2.5 to 2.5	Pass
				-10	NV	0.801	0.0005	-2.5 to 2.5	Pass
				0	NV	1.345	0.0008	-2.5 to 2.5	Pass
				10	NV	-1.216	-0.0007	-2.5 to 2.5	Pass
				30	NV	4.349	0.0025	-2.5 to 2.5	Pass
				40	NV	0.687	0.0004	-2.5 to 2.5	Pass
				50	NV	1.574	0.0009	-2.5 to 2.5	Pass
	1732.5	75	0	20	LV	0.086	0.0000	-2.5 to 2.5	Pass
					NV	0.415	0.0002	-2.5 to 2.5	Pass
					HV	-0.587	-0.0003	-2.5 to 2.5	Pass
				-30	NV	2.289	0.0013	-2.5 to 2.5	Pass
				-20	NV	5.994	0.0035	-2.5 to 2.5	Pass
				-10	NV	0.701	0.0004	-2.5 to 2.5	Pass
				0	NV	-3.090	-0.0018	-2.5 to 2.5	Pass
				10	NV	2.317	0.0013	-2.5 to 2.5	Pass
				30	NV	0.401	0.0002	-2.5 to 2.5	Pass
				40	NV	1.888	0.0011	-2.5 to 2.5	Pass
				50	NV	0.973	0.0006	-2.5 to 2.5	Pass

	1747.5	75	0	20	LV	1.616	0.0009	-2.5 to 2.5	Pass
					NV	0.129	0.0001	-2.5 to 2.5	Pass
					HV	1.760	0.0010	-2.5 to 2.5	Pass
				-30	NV	-3.333	-0.0019	-2.5 to 2.5	Pass
				-20	NV	-2.332	-0.0013	-2.5 to 2.5	Pass
				-10	NV	-2.804	-0.0016	-2.5 to 2.5	Pass
				0	NV	0.558	0.0003	-2.5 to 2.5	Pass
				10	NV	-2.232	-0.0013	-2.5 to 2.5	Pass
				30	NV	-0.815	-0.0005	-2.5 to 2.5	Pass
				40	NV	5.150	0.0029	-2.5 to 2.5	Pass
				50	NV	-0.615	-0.0004	-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	3.033	0.0018	-2.5 to 2.5	Pass
					NV	-2.089	-0.0012	-2.5 to 2.5	Pass
					HV	1.674	0.0010	-2.5 to 2.5	Pass
				-30	NV	-0.186	-0.0001	-2.5 to 2.5	Pass
				-20	NV	2.904	0.0017	-2.5 to 2.5	Pass
				-10	NV	2.947	0.0017	-2.5 to 2.5	Pass
				0	NV	3.548	0.0021	-2.5 to 2.5	Pass
				10	NV	0.143	0.0001	-2.5 to 2.5	Pass
				30	NV	1.731	0.0010	-2.5 to 2.5	Pass
				40	NV	0.658	0.0004	-2.5 to 2.5	Pass
				50	NV	5.250	0.0031	-2.5 to 2.5	Pass
	1732.5	100	0	20	LV	2.074	0.0012	-2.5 to 2.5	Pass
					NV	1.588	0.0009	-2.5 to 2.5	Pass
					HV	1.402	0.0008	-2.5 to 2.5	Pass
				-30	NV	1.531	0.0009	-2.5 to 2.5	Pass
				-20	NV	2.346	0.0014	-2.5 to 2.5	Pass
				-10	NV	1.588	0.0009	-2.5 to 2.5	Pass
				0	NV	1.445	0.0008	-2.5 to 2.5	Pass
				10	NV	0.300	0.0002	-2.5 to 2.5	Pass
				30	NV	5.121	0.0030	-2.5 to 2.5	Pass
				40	NV	-1.774	-0.0010	-2.5 to 2.5	Pass
				50	NV	2.890	0.0017	-2.5 to 2.5	Pass
	1745	100	0	20	LV	3.018	0.0017	-2.5 to 2.5	Pass
					NV	4.234	0.0024	-2.5 to 2.5	Pass
					HV	5.879	0.0034	-2.5 to 2.5	Pass
				-30	NV	3.376	0.0019	-2.5 to 2.5	Pass
				-20	NV	2.632	0.0015	-2.5 to 2.5	Pass
				-10	NV	2.317	0.0013	-2.5 to 2.5	Pass
				0	NV	2.632	0.0015	-2.5 to 2.5	Pass
				10	NV	3.290	0.0019	-2.5 to 2.5	Pass
				30	NV	2.918	0.0017	-2.5 to 2.5	Pass
				40	NV	5.336	0.0031	-2.5 to 2.5	Pass
				50	NV	3.705	0.0021	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	LV	2.217	0.0013	-2.5 to 2.5	Pass
					NV	0.315	0.0002	-2.5 to 2.5	Pass
					HV	-0.772	-0.0004	-2.5 to 2.5	Pass
				-30	NV	-1.101	-0.0006	-2.5 to 2.5	Pass
				-20	NV	-0.701	-0.0004	-2.5 to 2.5	Pass
				-10	NV	2.661	0.0015	-2.5 to 2.5	Pass
				0	NV	2.503	0.0015	-2.5 to 2.5	Pass
				10	NV	1.531	0.0009	-2.5 to 2.5	Pass

				30	NV	2.961	0.0017	-2.5 to 2.5	Pass
				40	NV	0.458	0.0003	-2.5 to 2.5	Pass
				50	NV	3.276	0.0019	-2.5 to 2.5	Pass
	1732.5	100	0	20	LV	0.415	0.0002	-2.5 to 2.5	Pass
					NV	2.861	0.0017	-2.5 to 2.5	Pass
					HV	4.249	0.0025	-2.5 to 2.5	Pass
				-30	NV	3.176	0.0018	-2.5 to 2.5	Pass
				-20	NV	1.960	0.0011	-2.5 to 2.5	Pass
				-10	NV	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	NV	1.044	0.0006	-2.5 to 2.5	Pass
				10	NV	3.276	0.0019	-2.5 to 2.5	Pass
				30	NV	3.548	0.0020	-2.5 to 2.5	Pass
				40	NV	2.146	0.0012	-2.5 to 2.5	Pass
				50	NV	4.363	0.0025	-2.5 to 2.5	Pass
	1745	100	0	20	LV	3.204	0.0018	-2.5 to 2.5	Pass
					NV	2.689	0.0015	-2.5 to 2.5	Pass
					HV	6.509	0.0037	-2.5 to 2.5	Pass
				-30	NV	1.903	0.0011	-2.5 to 2.5	Pass
				-20	NV	4.792	0.0027	-2.5 to 2.5	Pass
				-10	NV	5.093	0.0029	-2.5 to 2.5	Pass
				0	NV	2.589	0.0015	-2.5 to 2.5	Pass
				10	NV	3.419	0.0020	-2.5 to 2.5	Pass
				30	NV	2.046	0.0012	-2.5 to 2.5	Pass
				40	NV	4.735	0.0027	-2.5 to 2.5	Pass
				50	NV	2.089	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 / 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

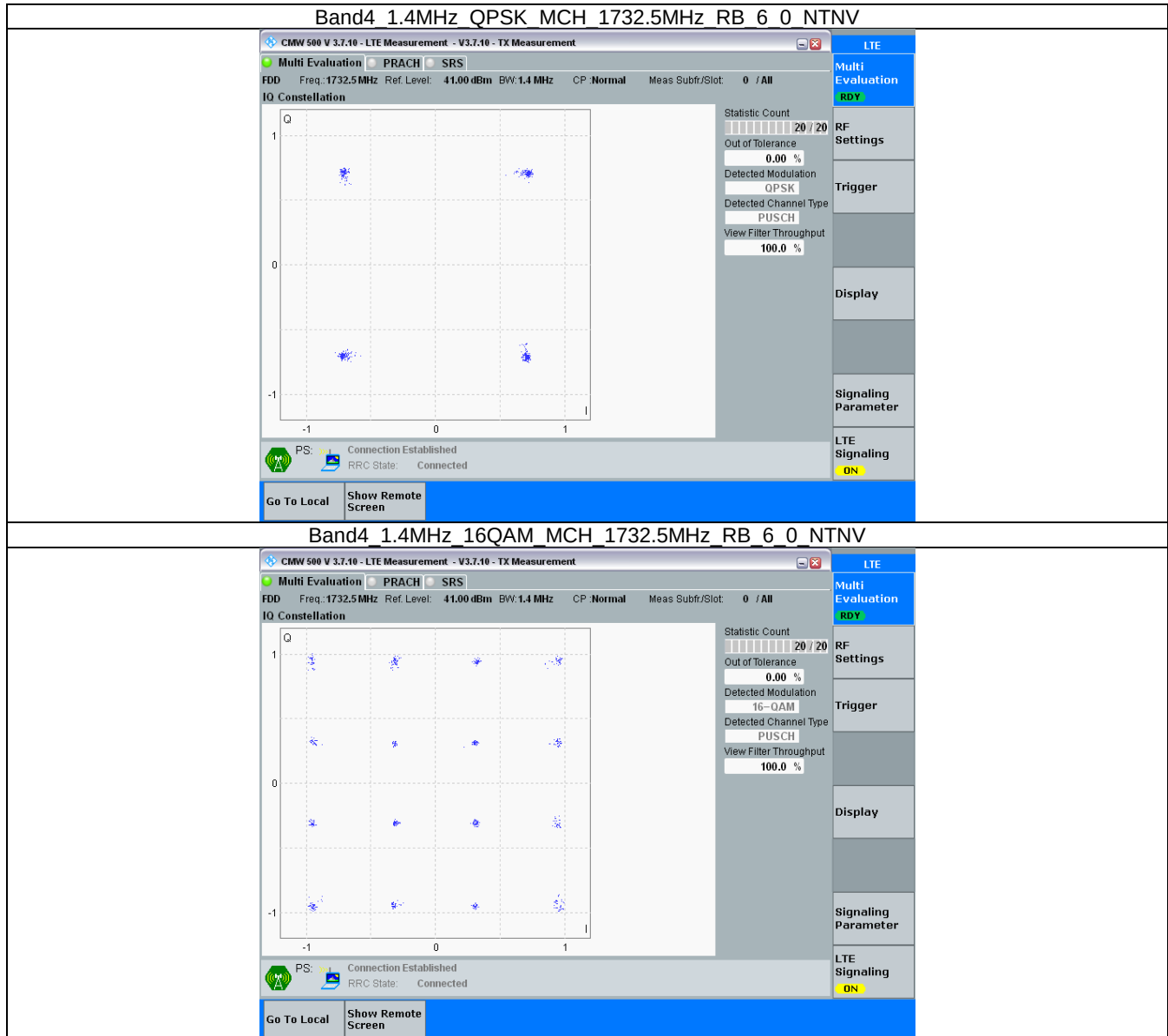
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

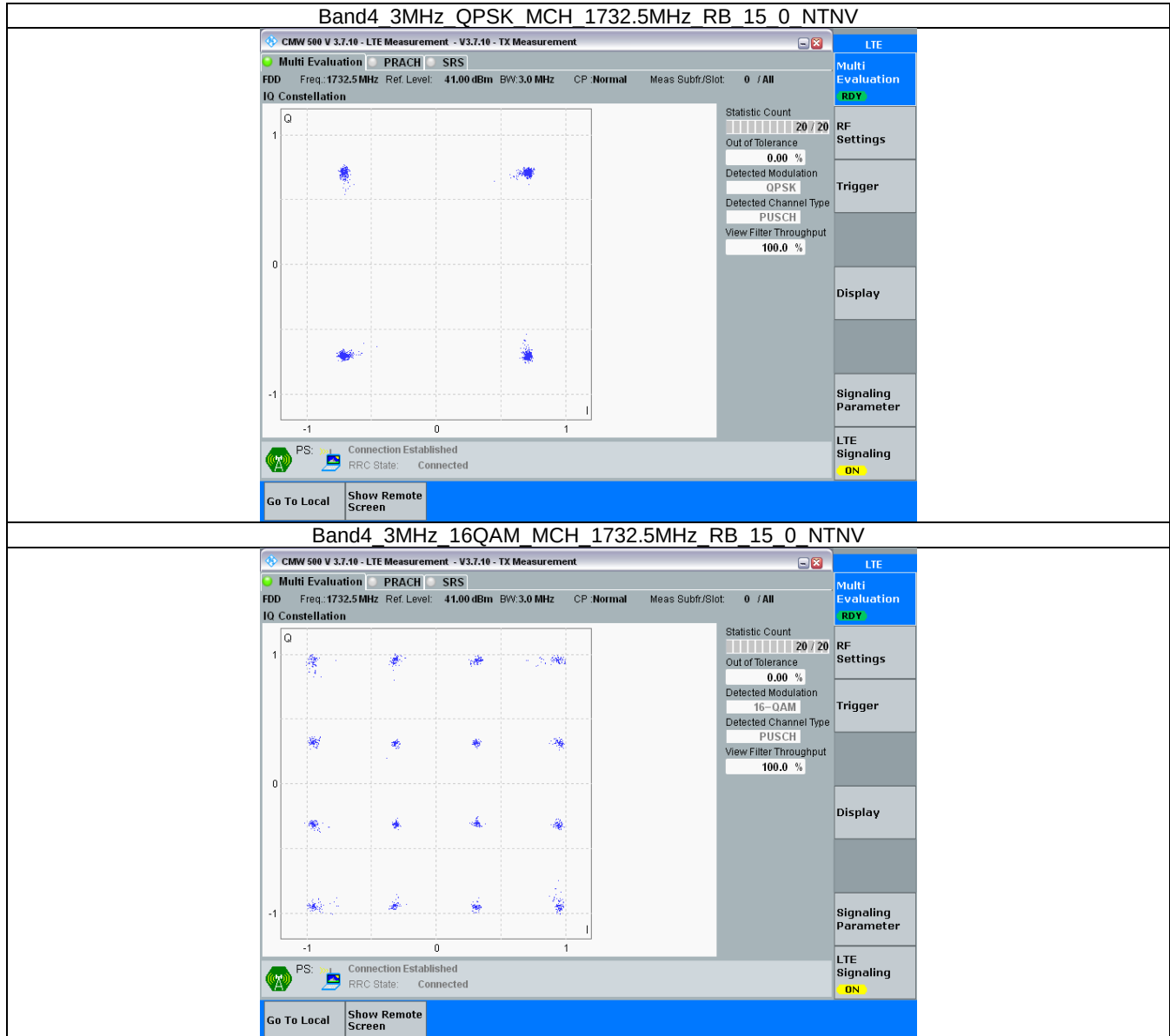
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

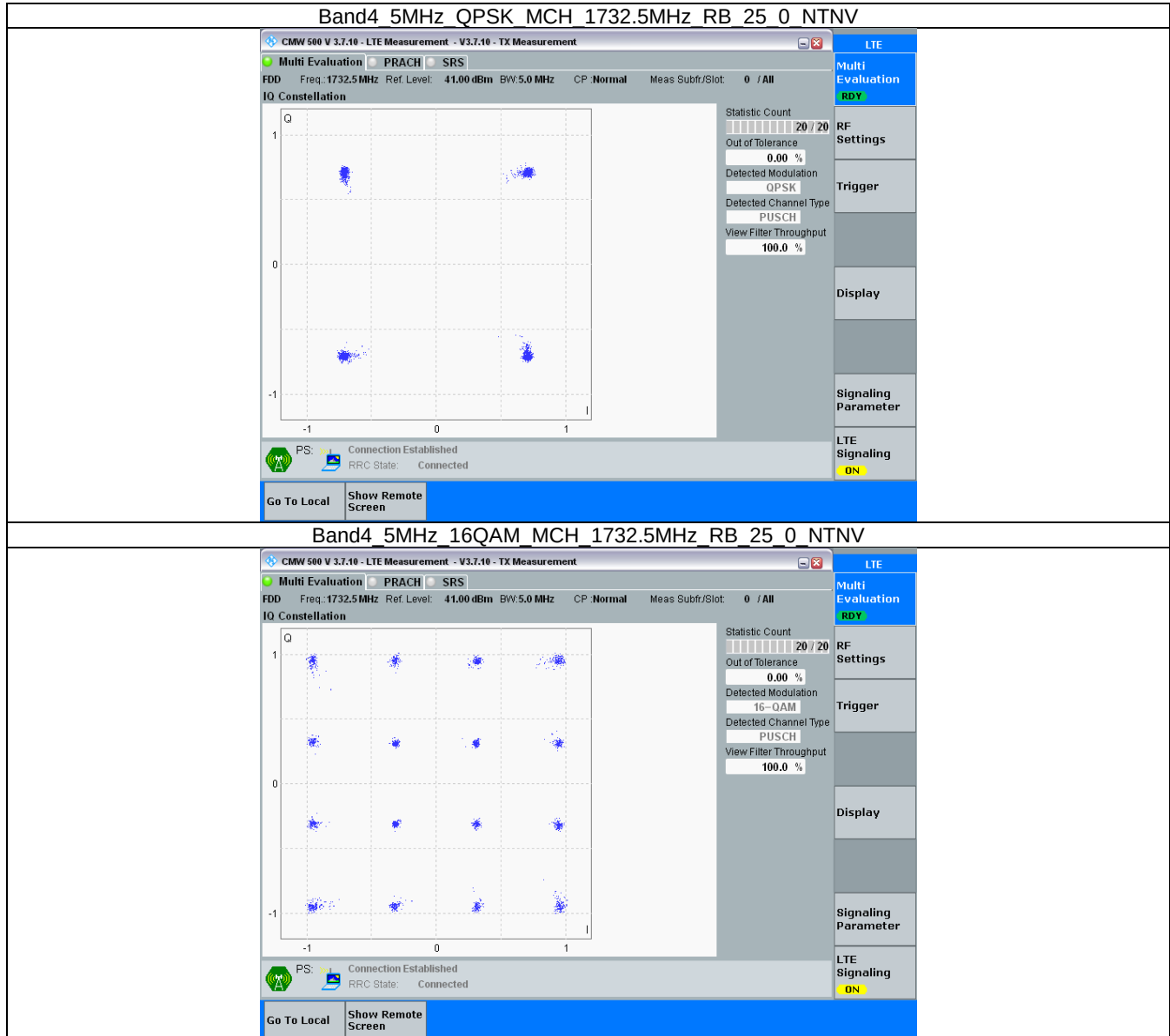
3.2.1 B4_1.4MHz



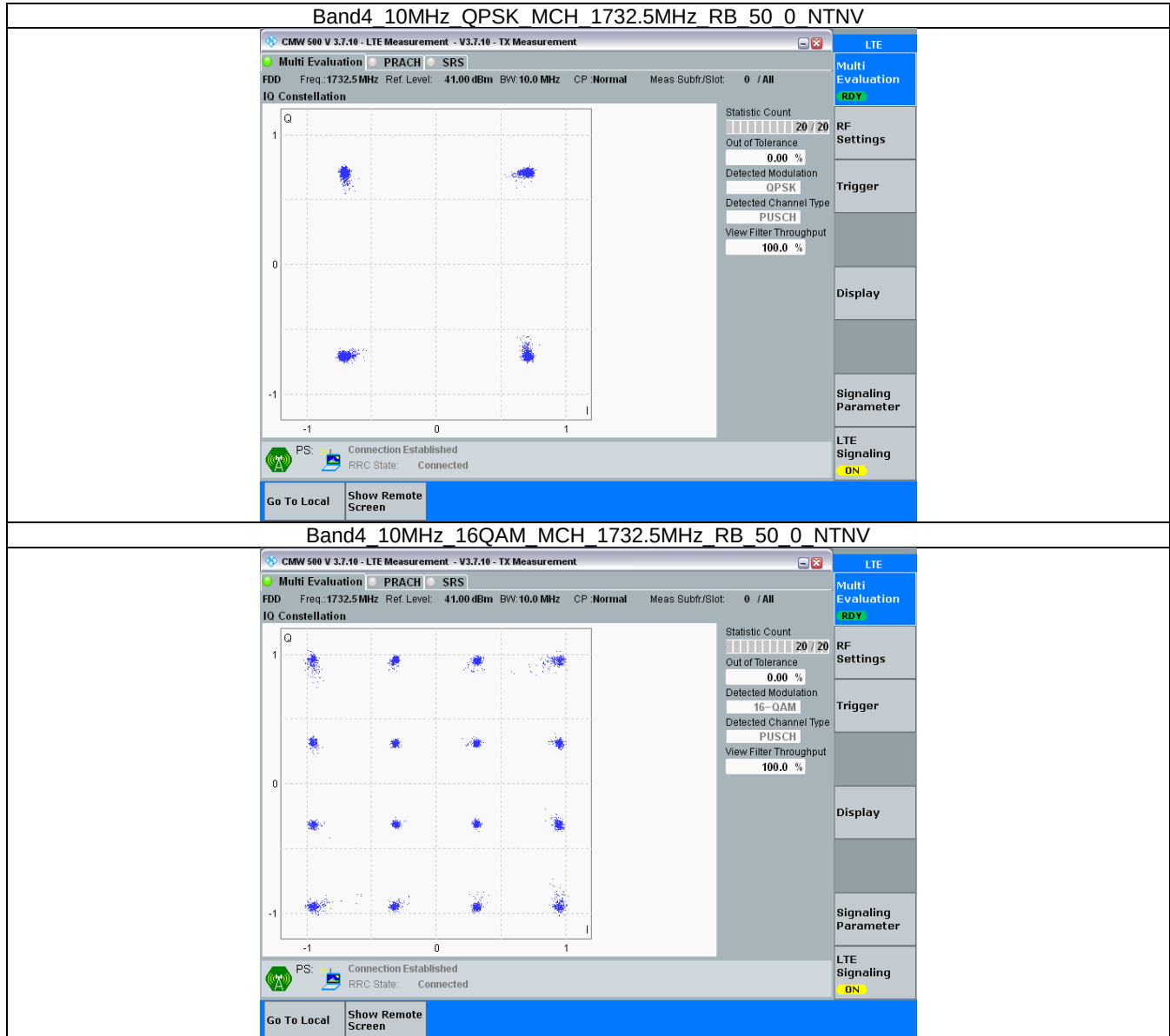
3.2.2 B4_3MHz



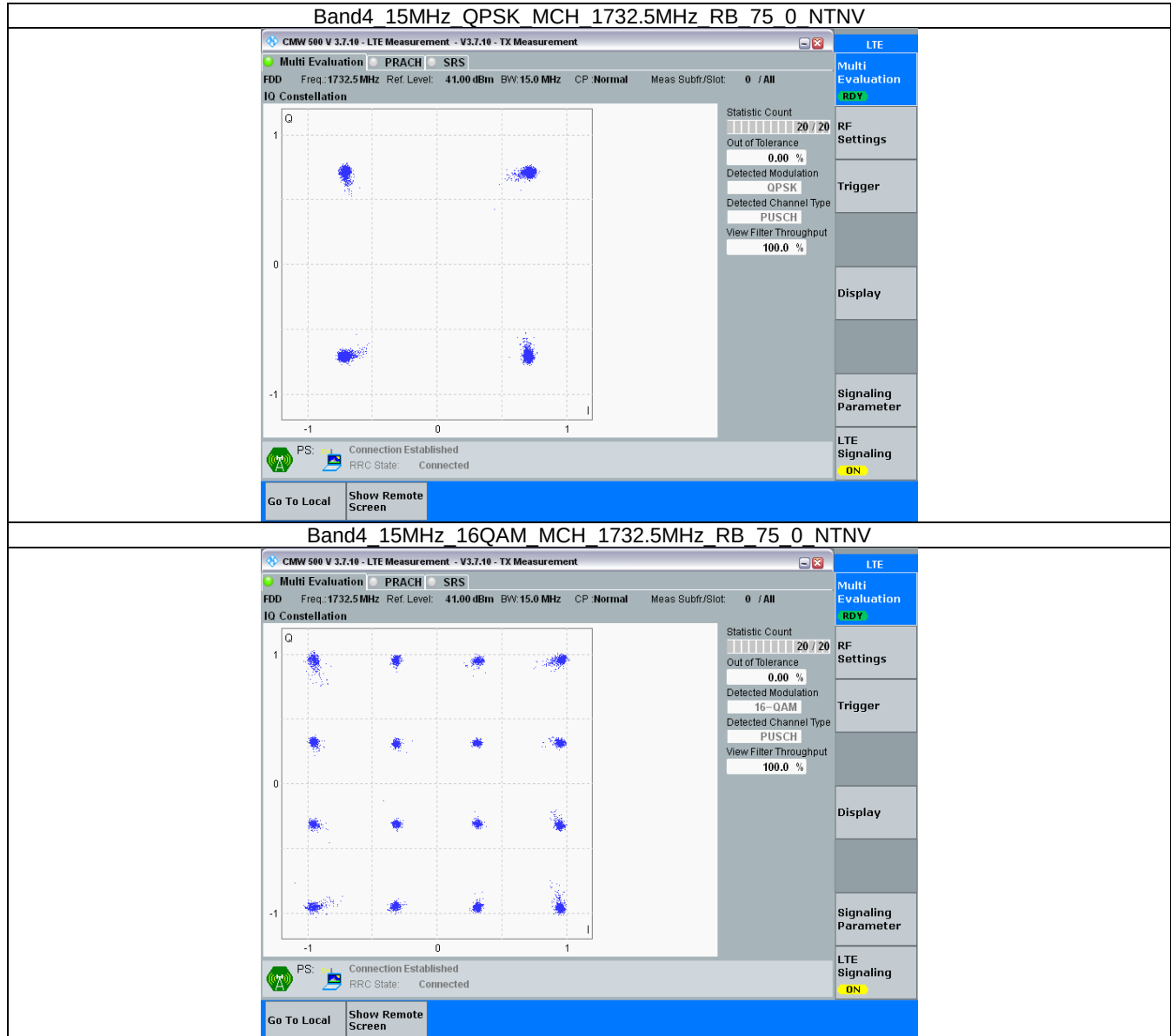
3.2.3 B4_5MHz



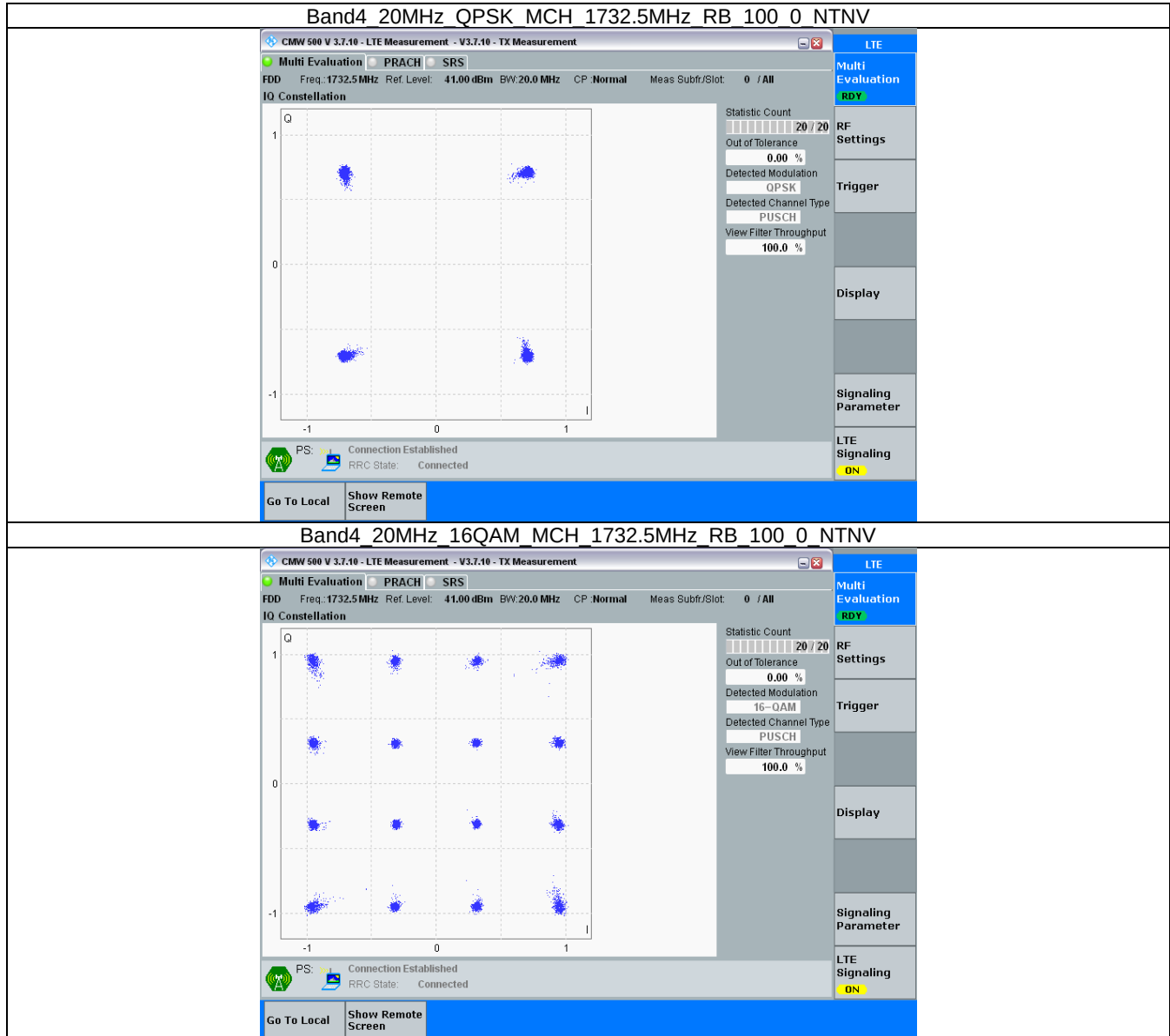
3.2.4 B4_10MHz



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 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.085	/	Pass
		1732.5	6	0	1.082	/	Pass
		1754.3	6	0	1.080	/	Pass
	16QAM	1710.7	6	0	1.080	/	Pass
		1732.5	6	0	1.080	/	Pass
		1754.3	6	0	1.084	/	Pass
3	QPSK	1711.5	15	0	2.681	/	Pass
		1732.5	15	0	2.682	/	Pass
		1753.5	15	0	2.685	/	Pass
	16QAM	1711.5	15	0	2.685	/	Pass
		1732.5	15	0	2.683	/	Pass
		1753.5	15	0	2.682	/	Pass
5	QPSK	1712.5	25	0	4.466	/	Pass
		1732.5	25	0	4.479	/	Pass
		1752.5	25	0	4.474	/	Pass
	16QAM	1712.5	25	0	4.475	/	Pass
		1732.5	25	0	4.482	/	Pass
		1752.5	25	0	4.473	/	Pass
10	QPSK	1715	50	0	8.961	/	Pass
		1732.5	50	0	8.949	/	Pass
		1750	50	0	8.976	/	Pass
	16QAM	1715	50	0	8.939	/	Pass
		1732.5	50	0	8.961	/	Pass
		1750	50	0	8.964	/	Pass
15	QPSK	1717.5	75	0	13.406	/	Pass
		1732.5	75	0	13.416	/	Pass
		1747.5	75	0	13.427	/	Pass
	16QAM	1717.5	75	0	13.423	/	Pass
		1732.5	75	0	13.439	/	Pass
		1747.5	75	0	13.412	/	Pass
20	QPSK	1720	100	0	17.868	/	Pass
		1732.5	100	0	17.858	/	Pass
		1745	100	0	17.881	/	Pass
	16QAM	1720	100	0	17.861	/	Pass
		1732.5	100	0	17.923	/	Pass
		1745	100	0	17.856	/	Pass

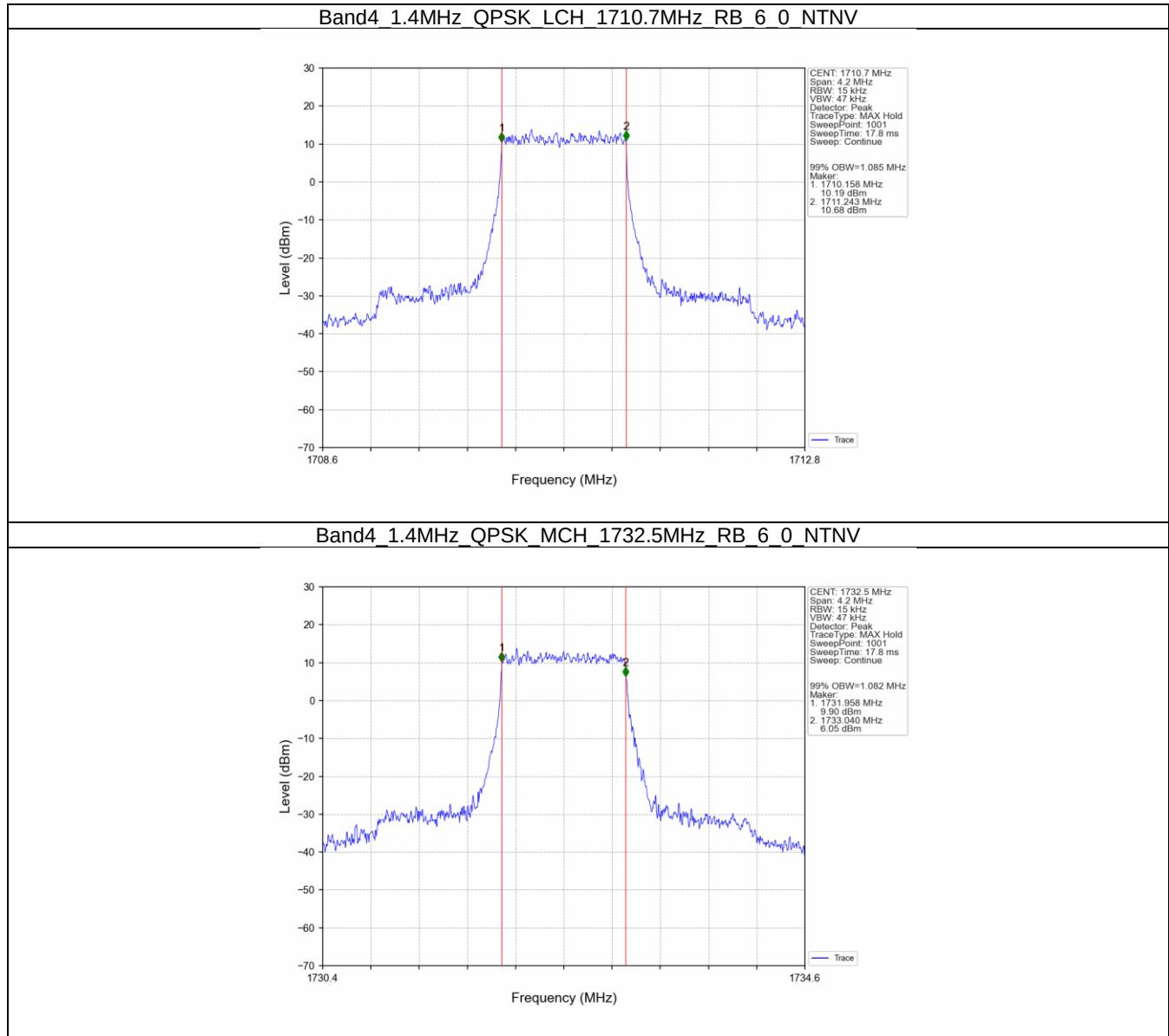
4.1.2 Band4_XDB

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	1.229	/	Pass
		1732.5	6	0	1.250	/	Pass
		1754.3	6	0	1.238	/	Pass
	16QAM	1710.7	6	0	1.261	/	Pass
		1732.5	6	0	1.215	/	Pass
		1754.3	6	0	1.265	/	Pass
3	QPSK	1711.5	15	0	2.882	/	Pass

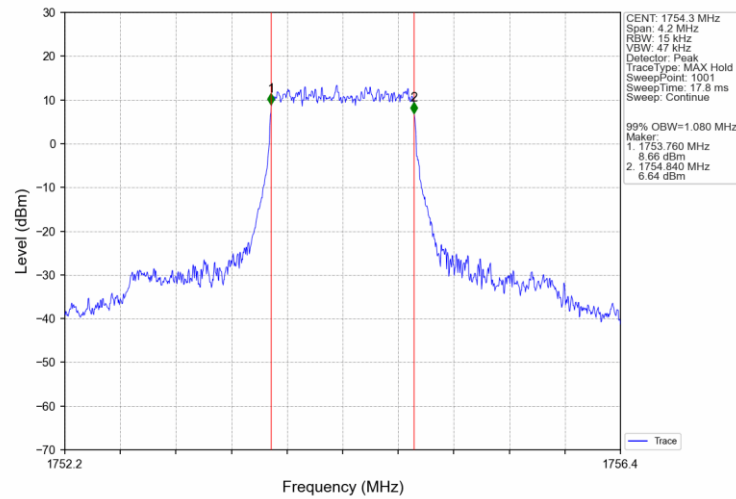
	16QAM	1732.5	15	0	2.881	/	Pass
		1753.5	15	0	2.883	/	Pass
		1711.5	15	0	2.890	/	Pass
		1732.5	15	0	2.872	/	Pass
		1753.5	15	0	2.906	/	Pass
5	QPSK	1712.5	25	0	4.857	/	Pass
		1732.5	25	0	4.877	/	Pass
		1752.5	25	0	4.877	/	Pass
	16QAM	1712.5	25	0	4.885	/	Pass
		1732.5	25	0	4.858	/	Pass
		1752.5	25	0	4.808	/	Pass
10	QPSK	1715	50	0	9.663	/	Pass
		1732.5	50	0	9.558	/	Pass
		1750	50	0	9.689	/	Pass
	16QAM	1715	50	0	9.669	/	Pass
		1732.5	50	0	9.589	/	Pass
		1750	50	0	9.537	/	Pass
15	QPSK	1717.5	75	0	14.474	/	Pass
		1732.5	75	0	14.375	/	Pass
		1747.5	75	0	14.431	/	Pass
	16QAM	1717.5	75	0	14.352	/	Pass
		1732.5	75	0	14.426	/	Pass
		1747.5	75	0	14.354	/	Pass
20	QPSK	1720	100	0	19.212	/	Pass
		1732.5	100	0	18.933	/	Pass
		1745	100	0	18.963	/	Pass
	16QAM	1720	100	0	19.007	/	Pass
		1732.5	100	0	19.161	/	Pass
		1745	100	0	19.060	/	Pass

4.2 Test Graph

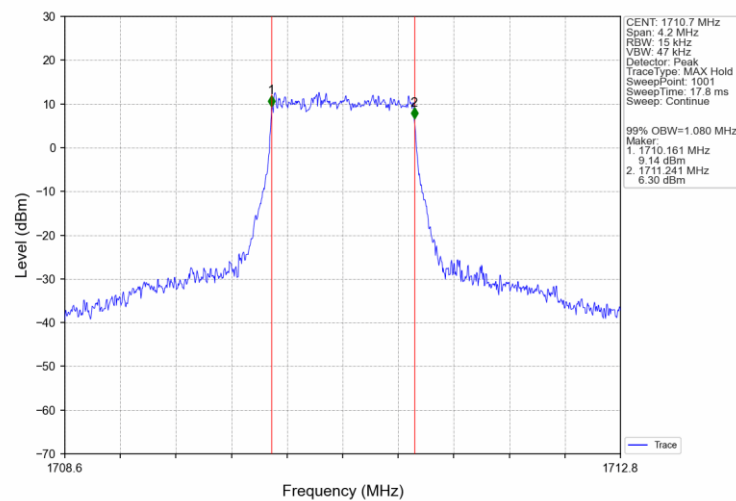
4.2.1 Band4_OBW



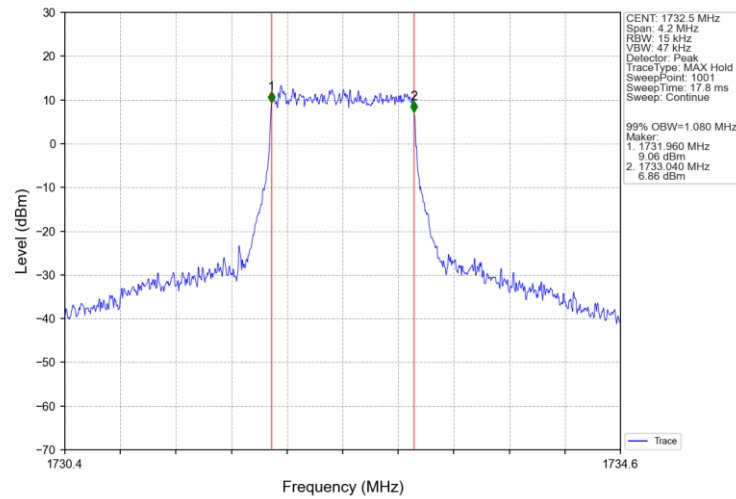
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



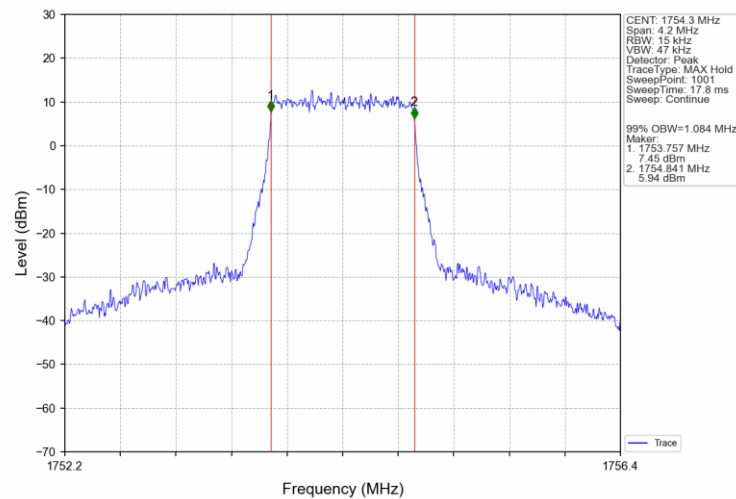
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



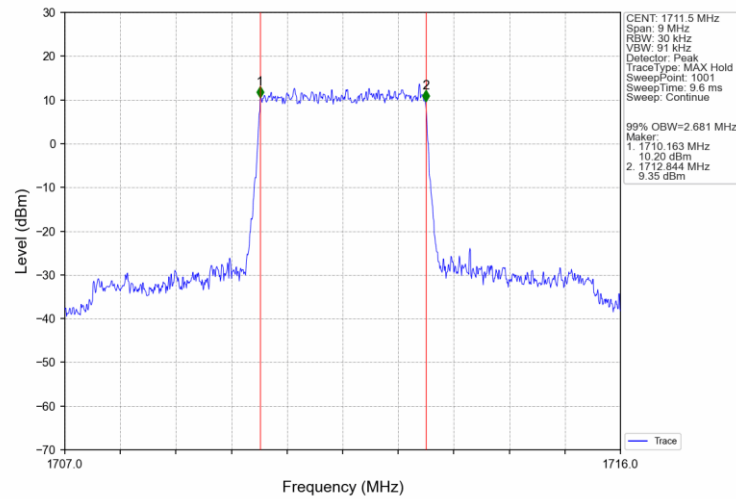
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



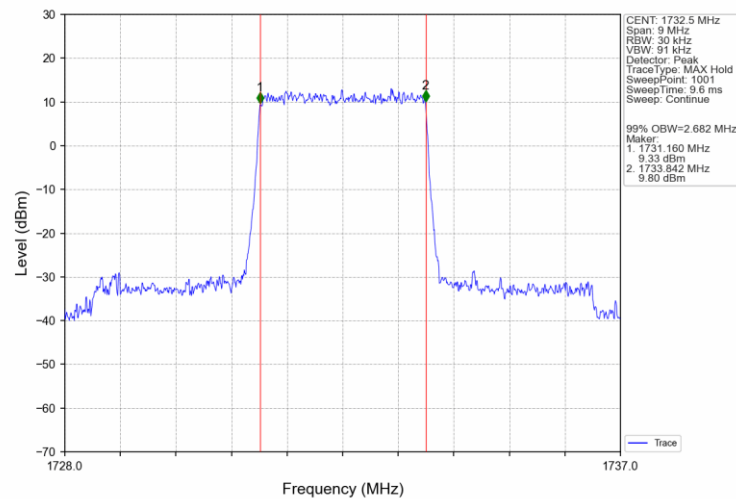
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



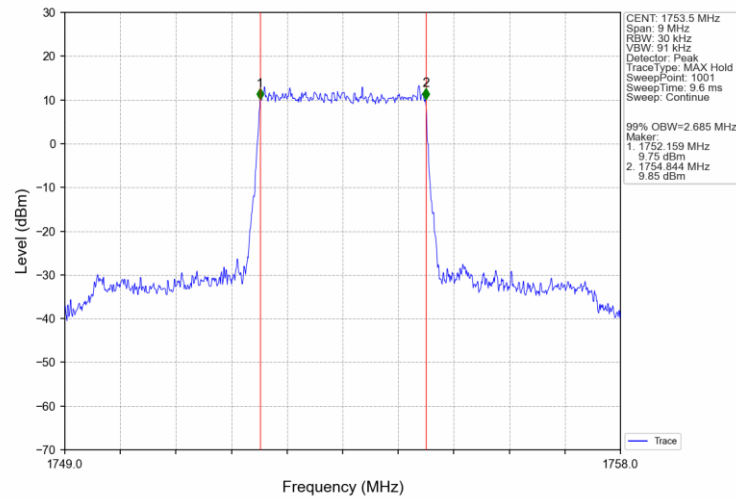
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTV



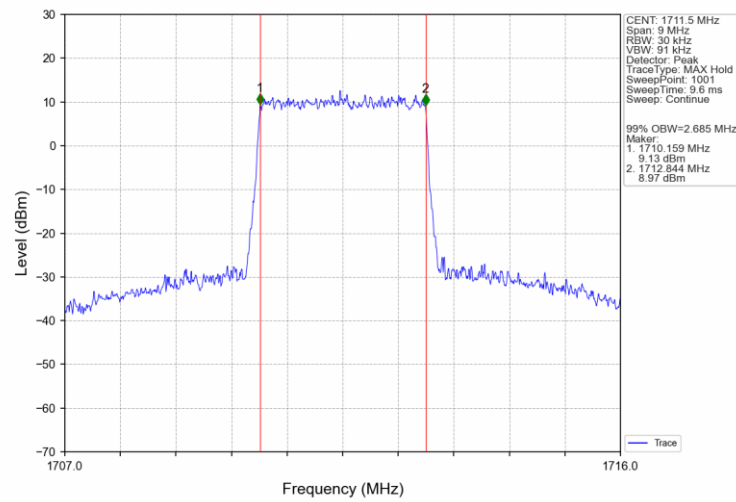
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTV



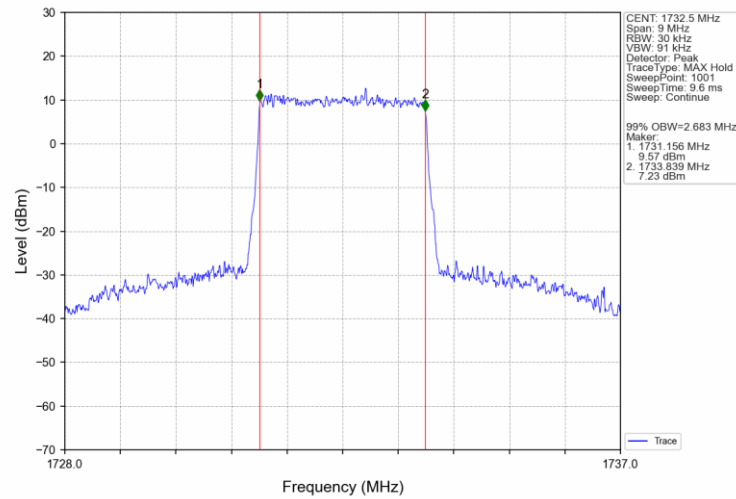
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



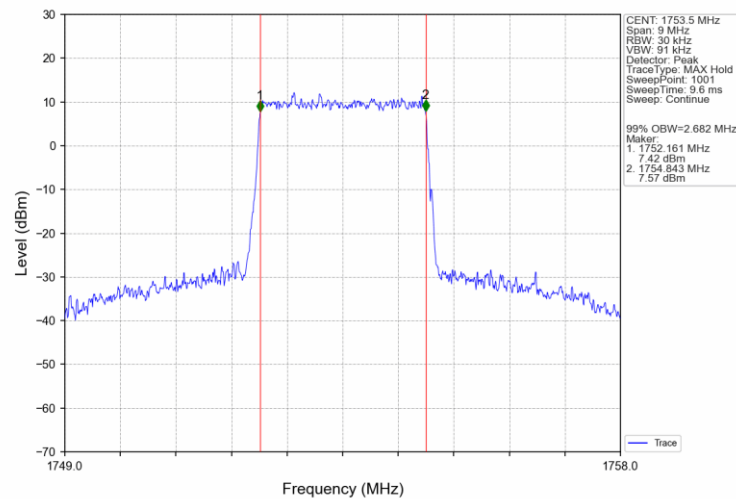
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTV



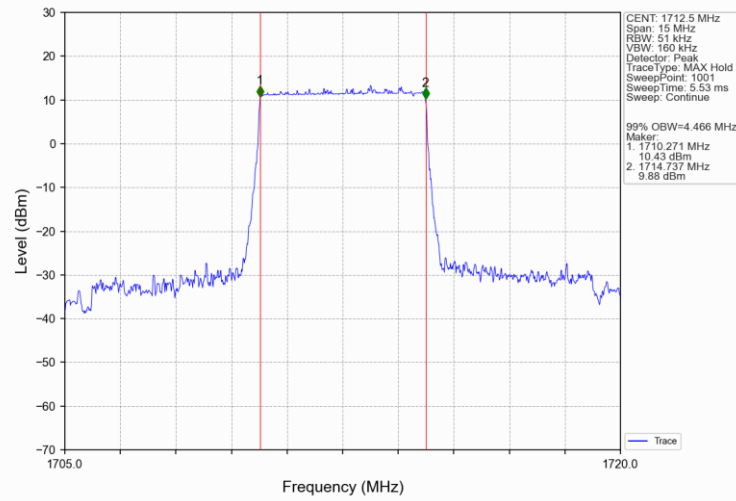
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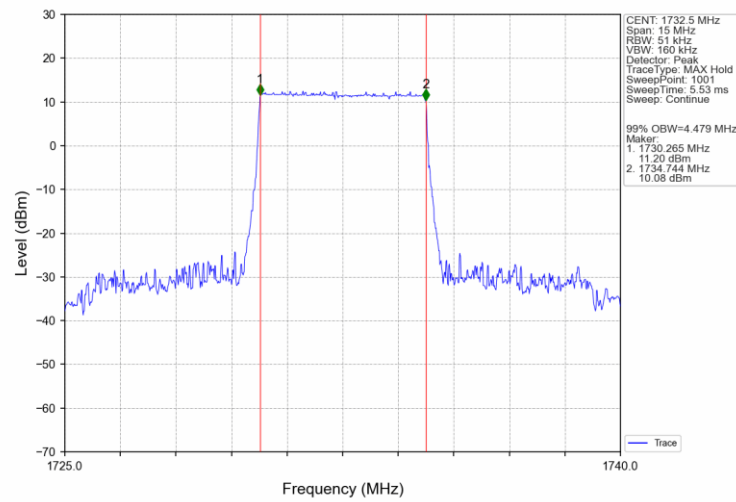
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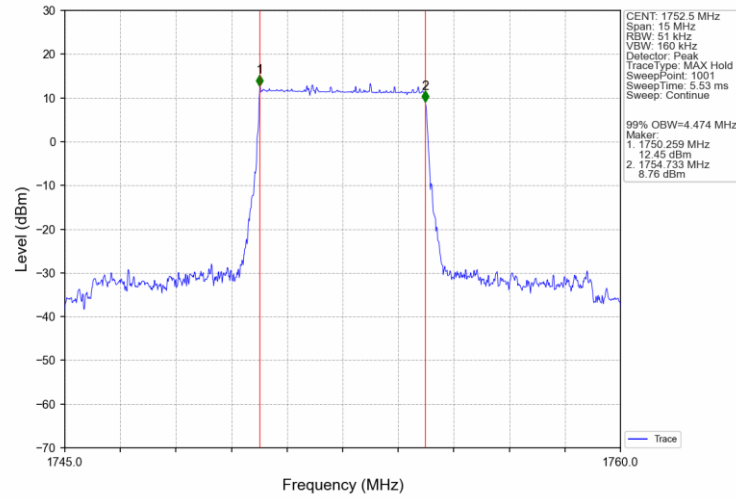
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTV



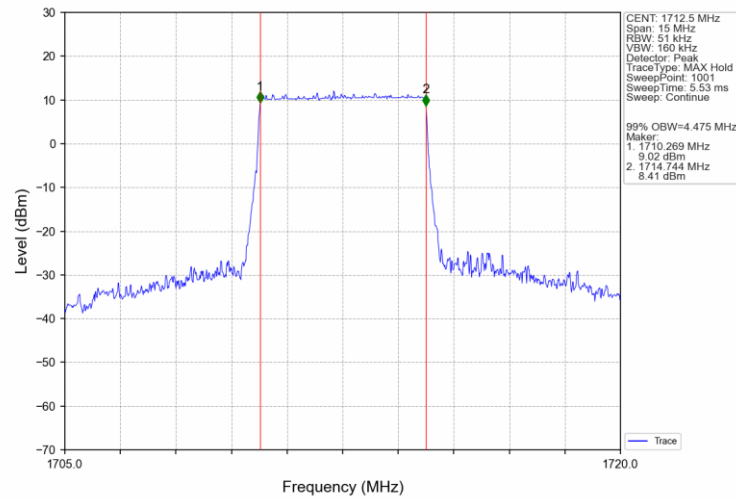
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTV



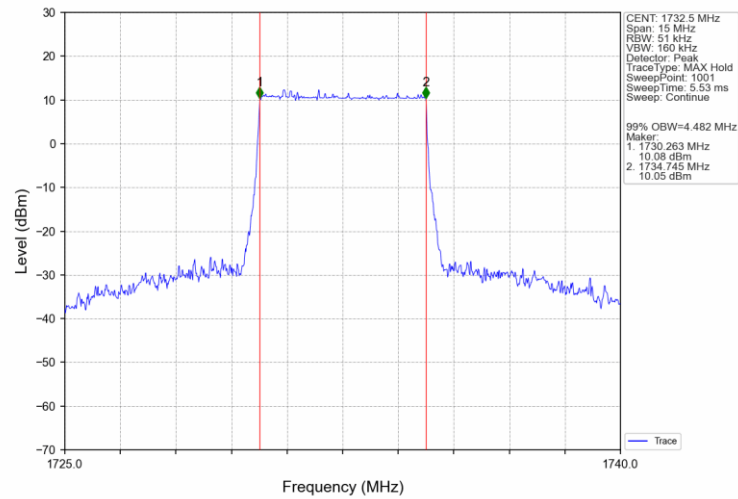
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV



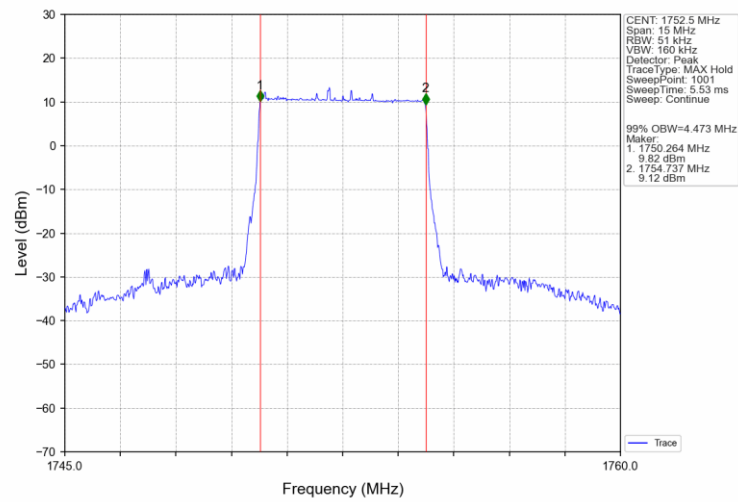
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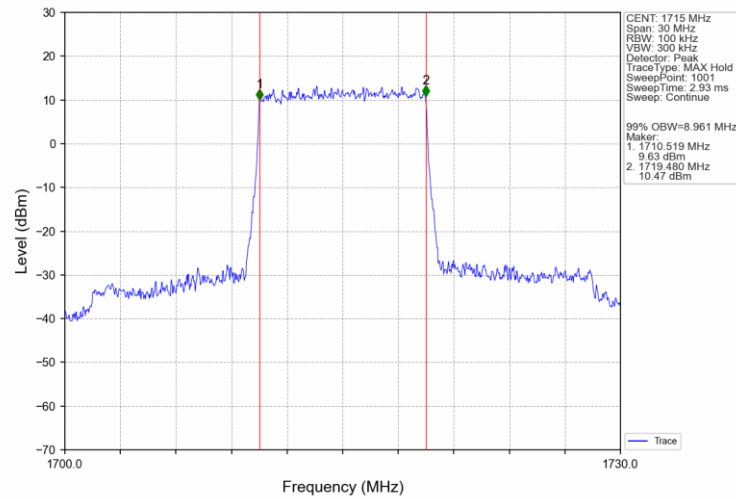
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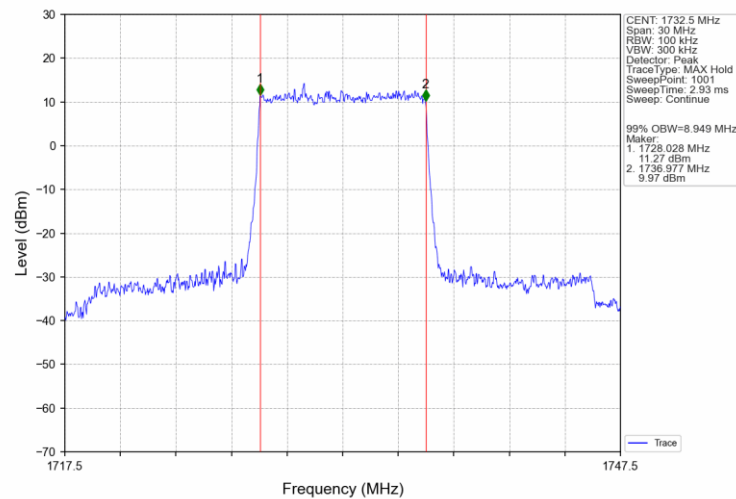
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTN



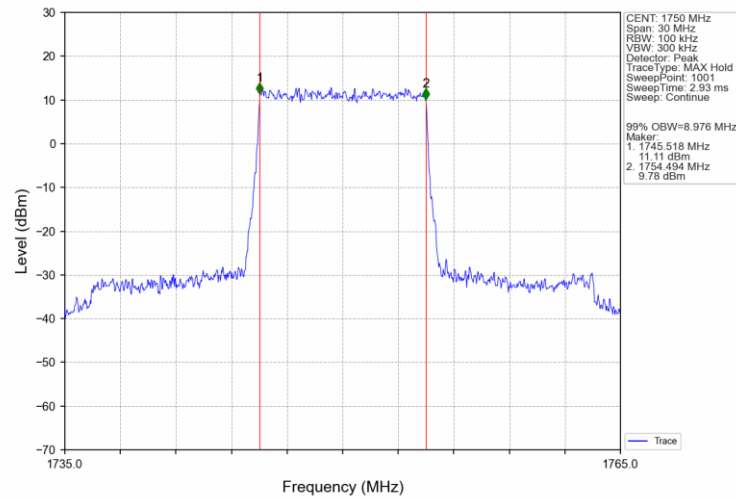
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



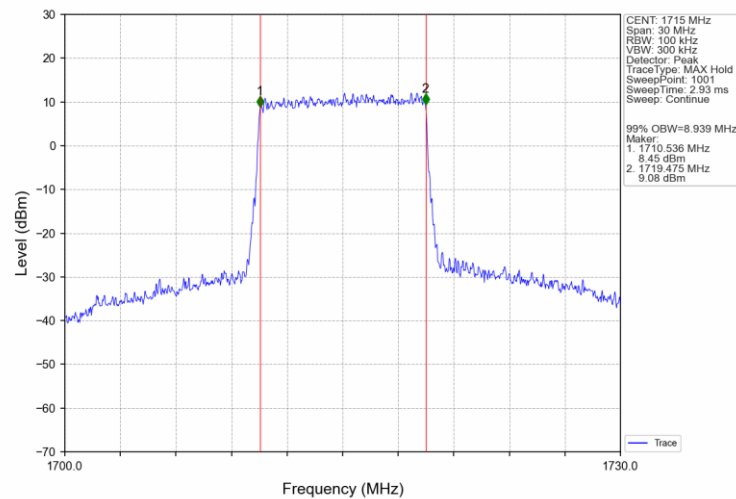
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN



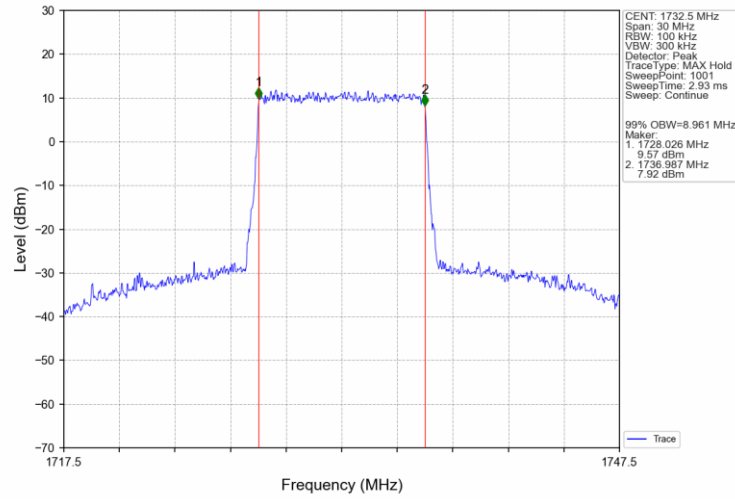
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



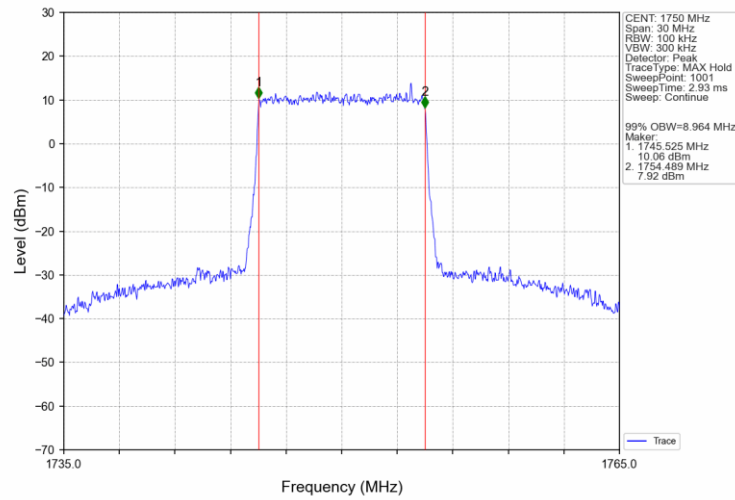
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



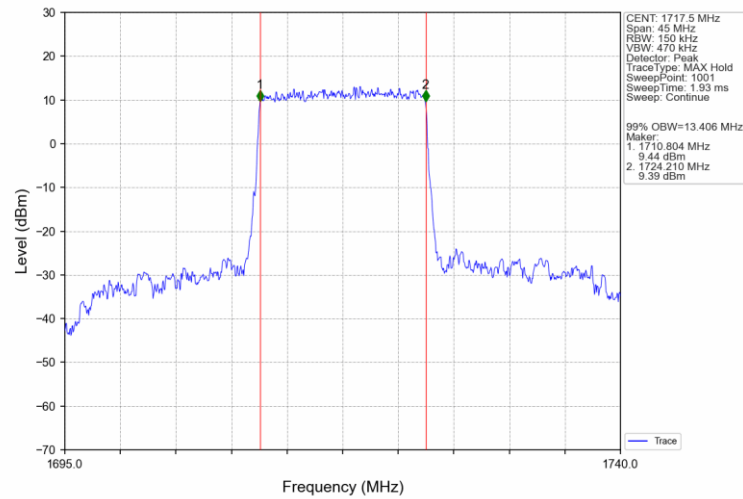
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



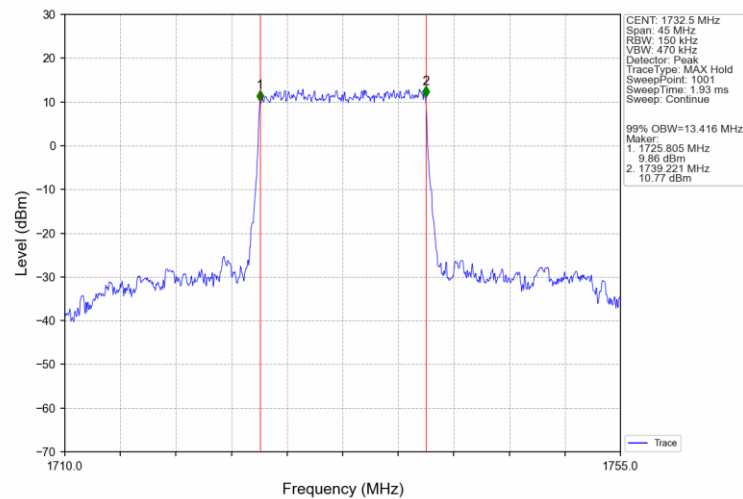
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



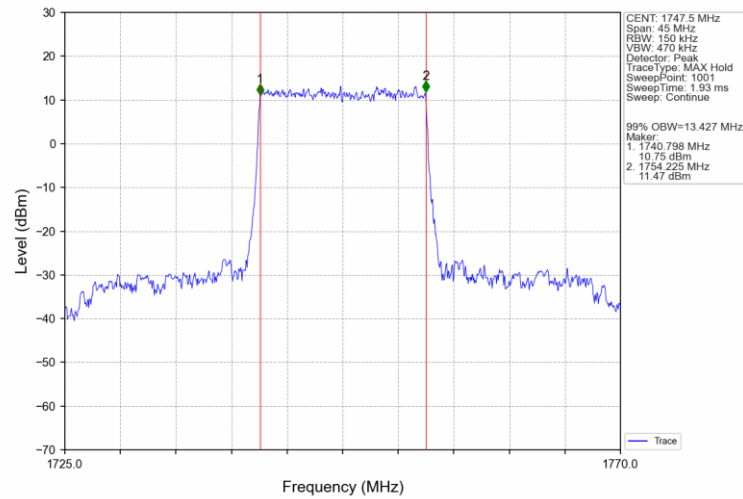
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



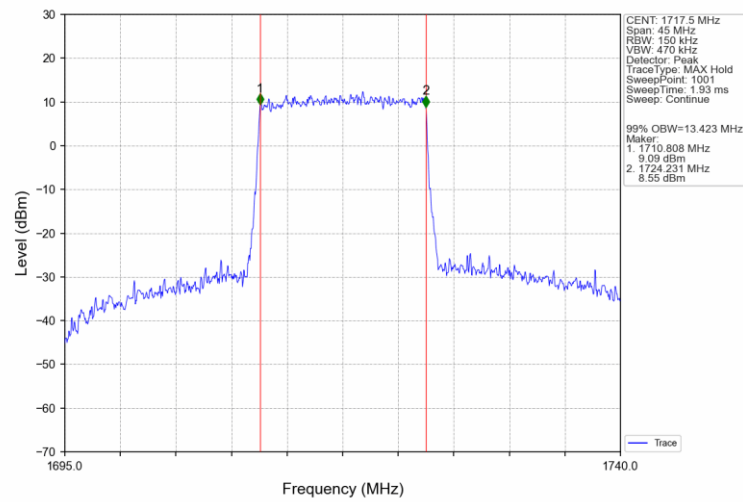
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



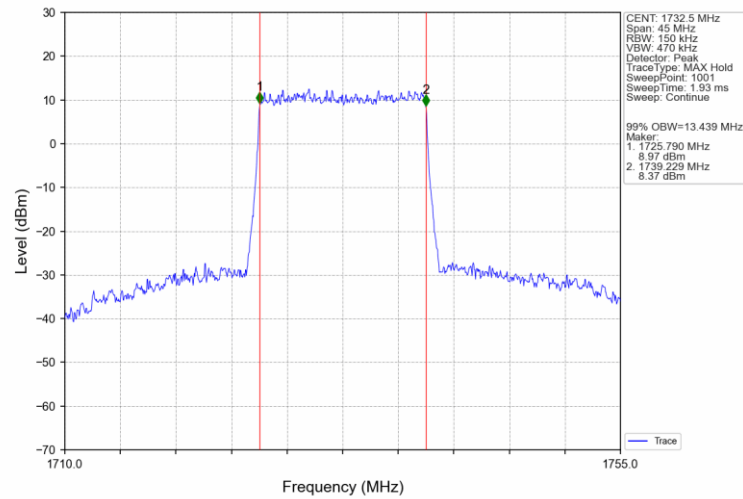
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



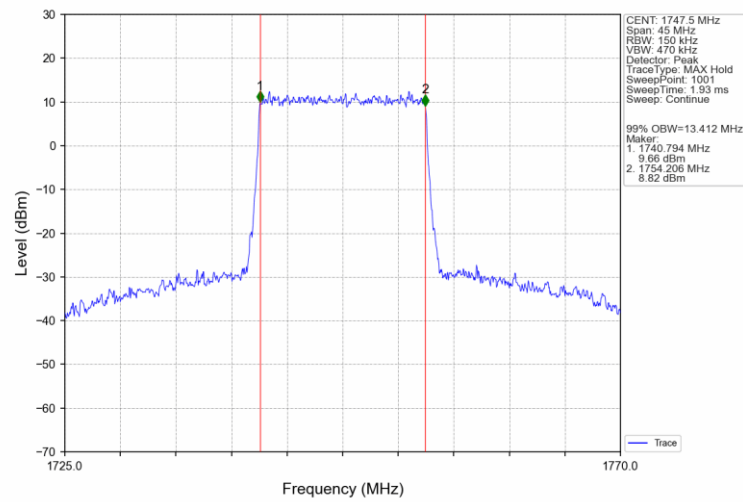
Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



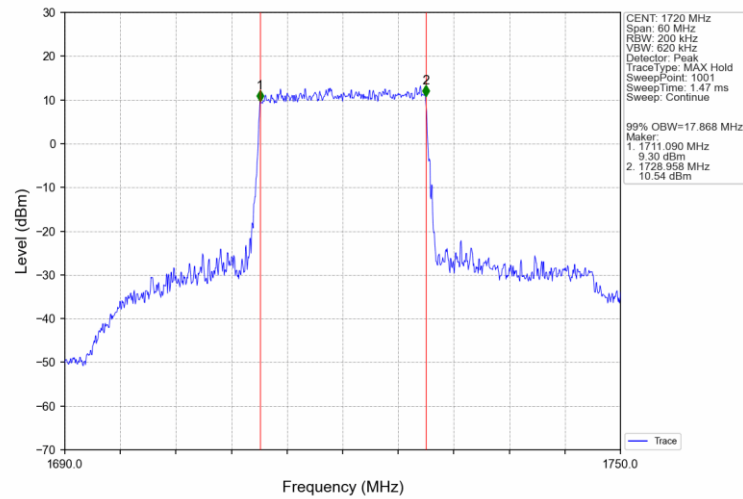
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTN



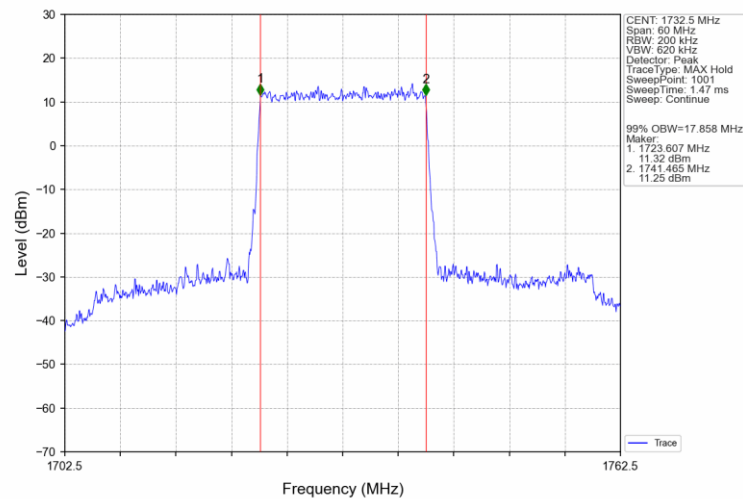
Band4 15MHz 16QAM HCH 1747.5MHz RB 75 0 NTN



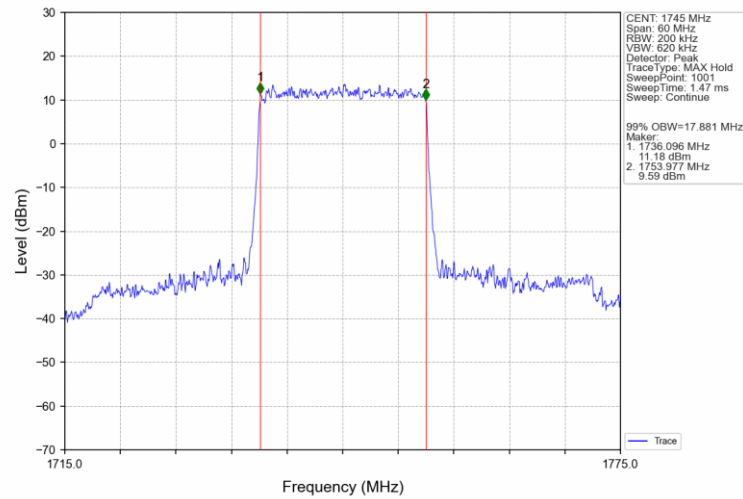
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



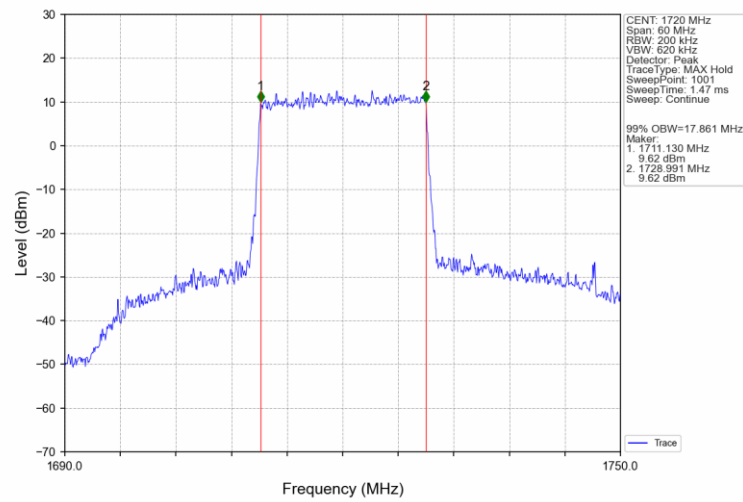
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



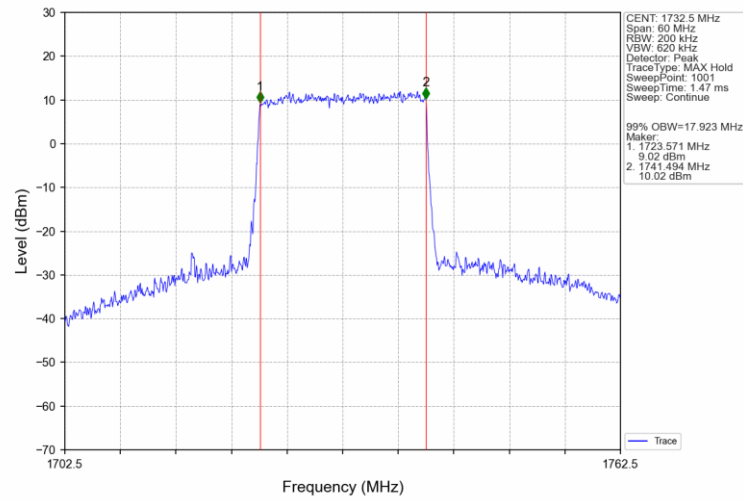
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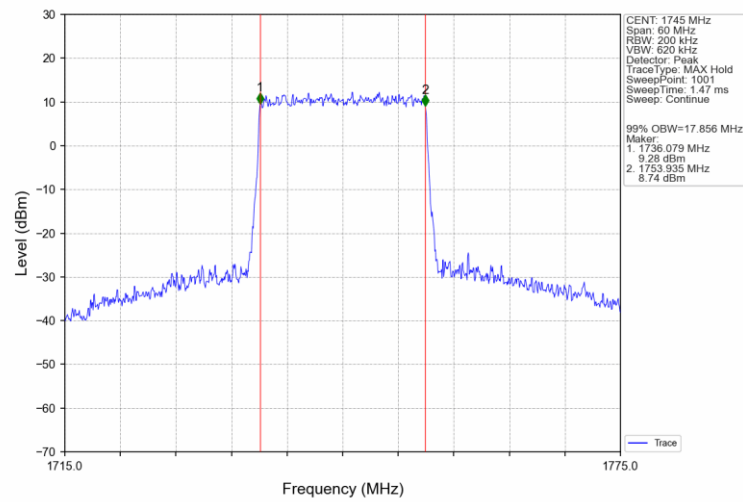
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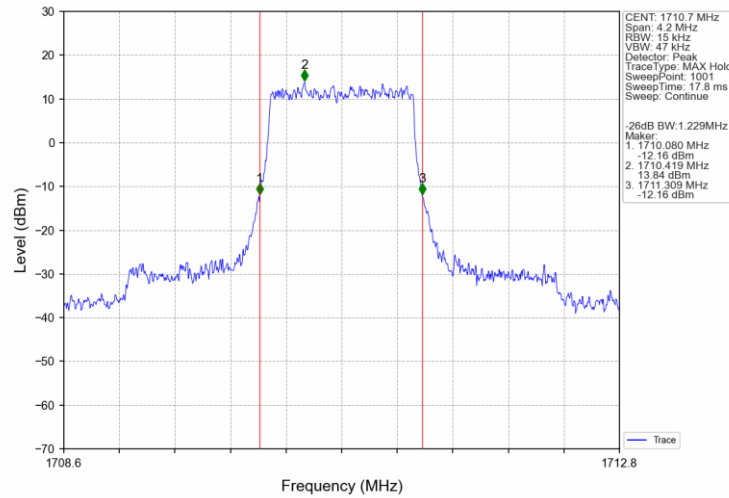


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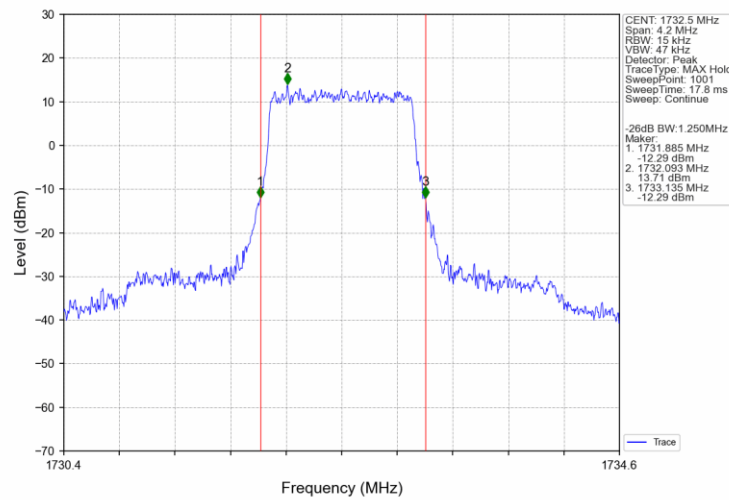


4.2.2 Band4_XDB

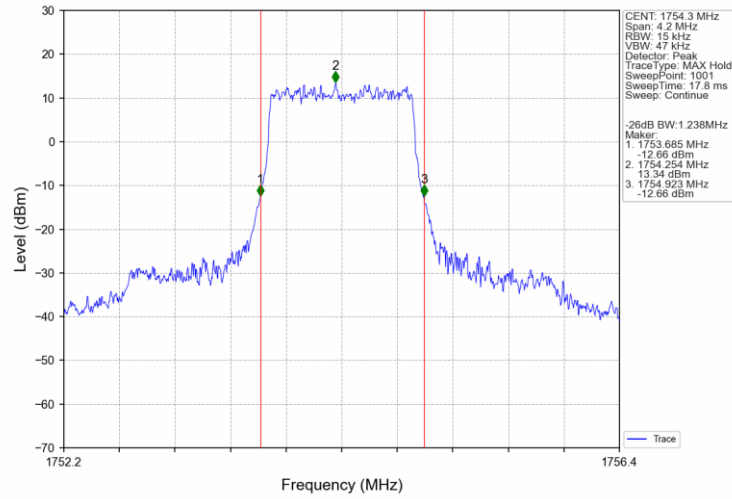
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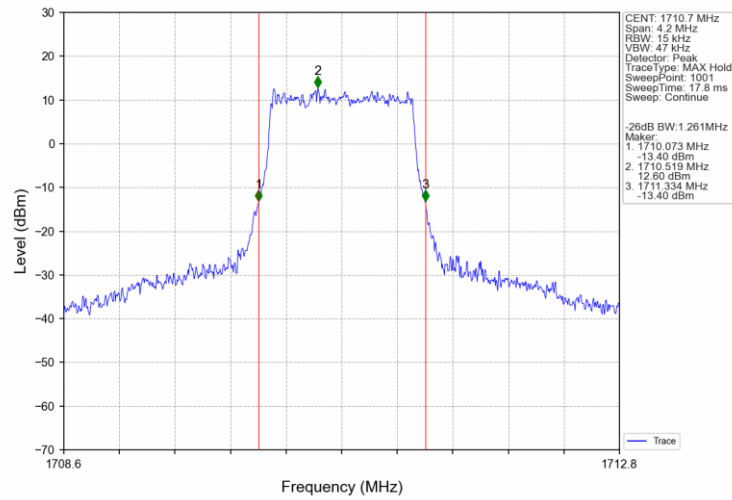
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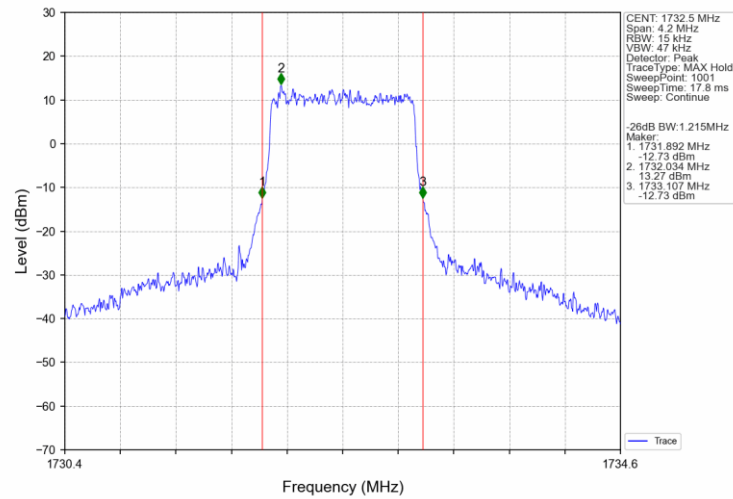
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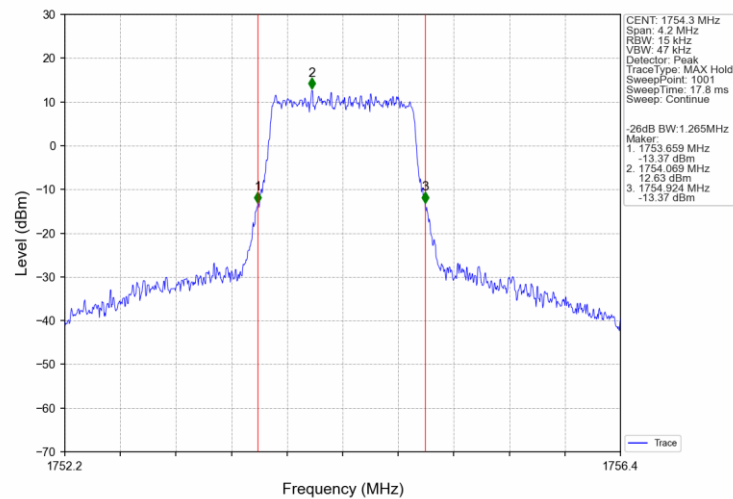
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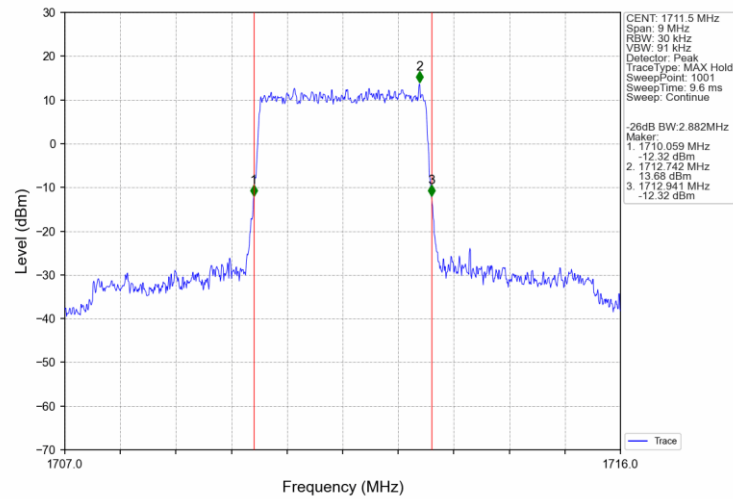
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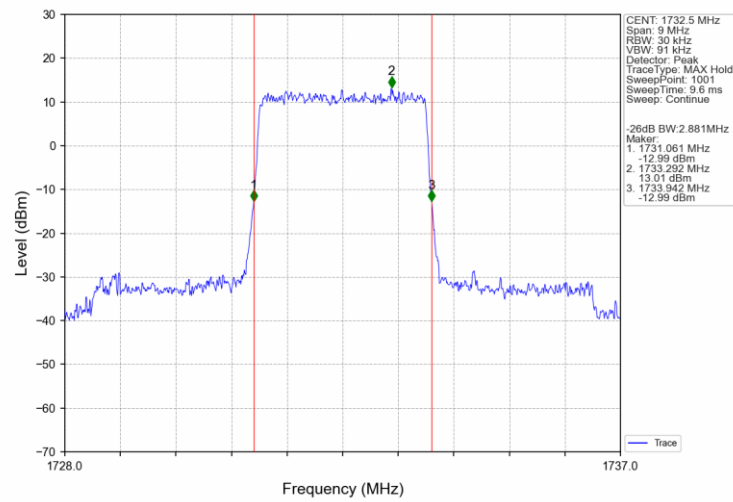
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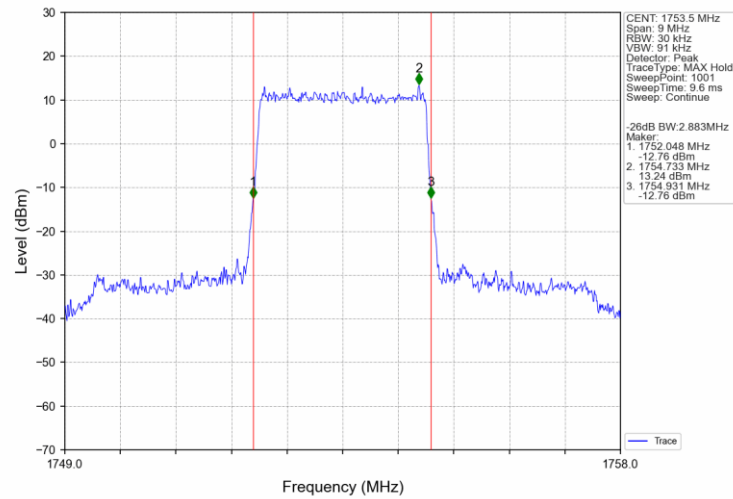
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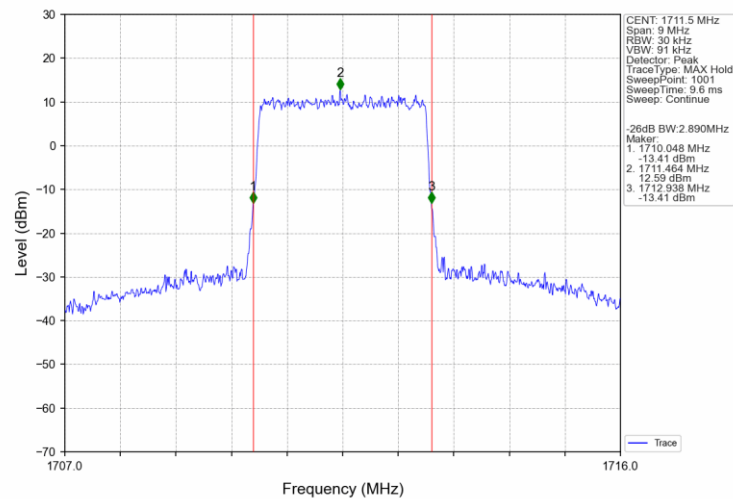
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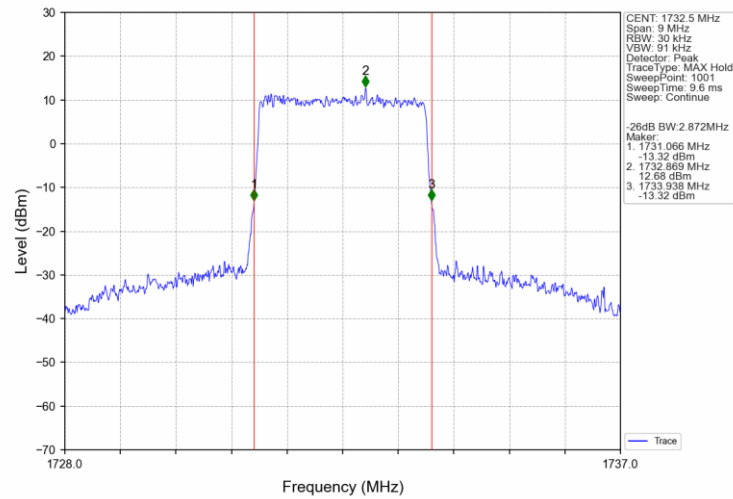
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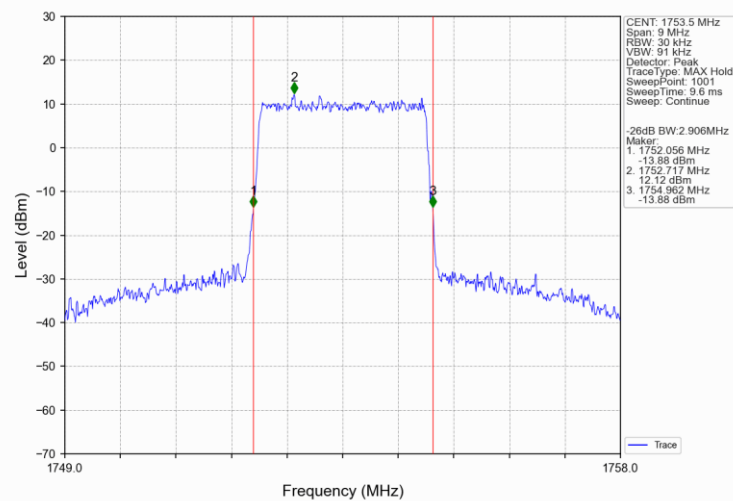
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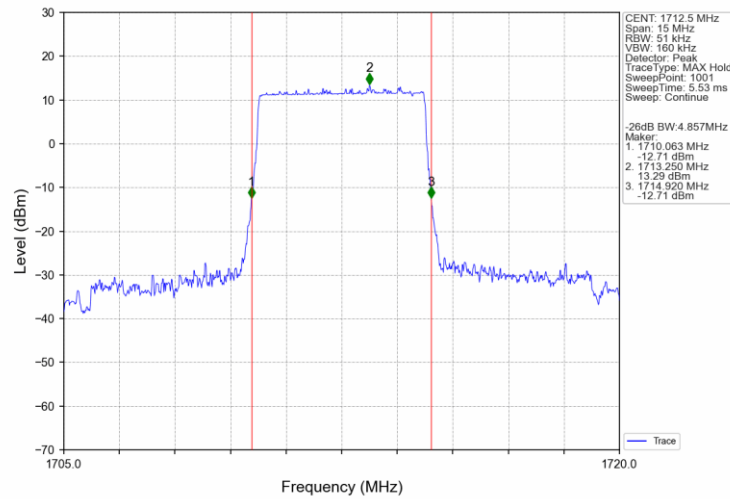
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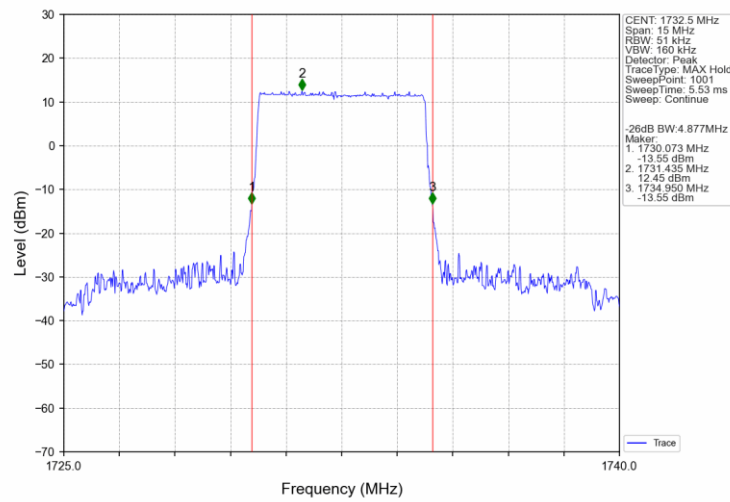
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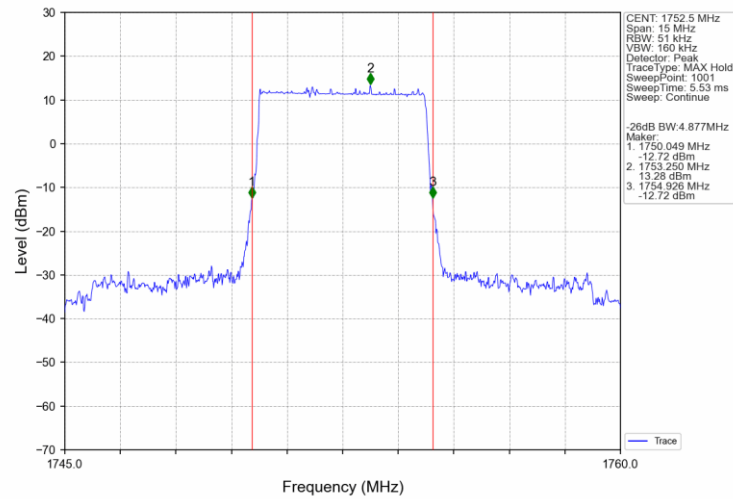
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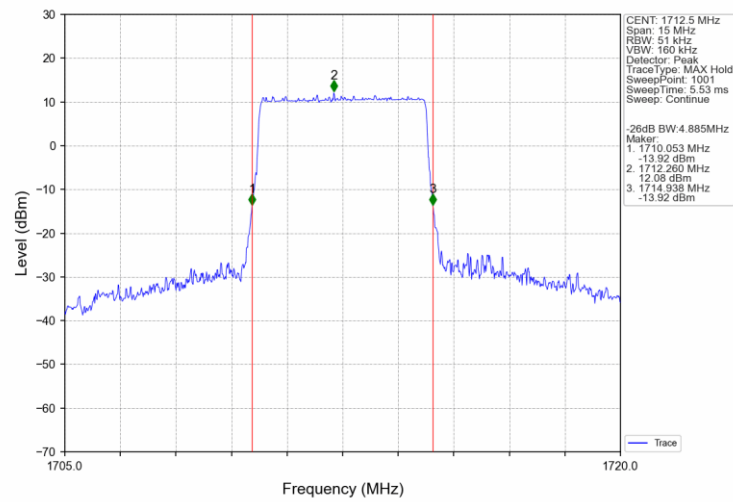
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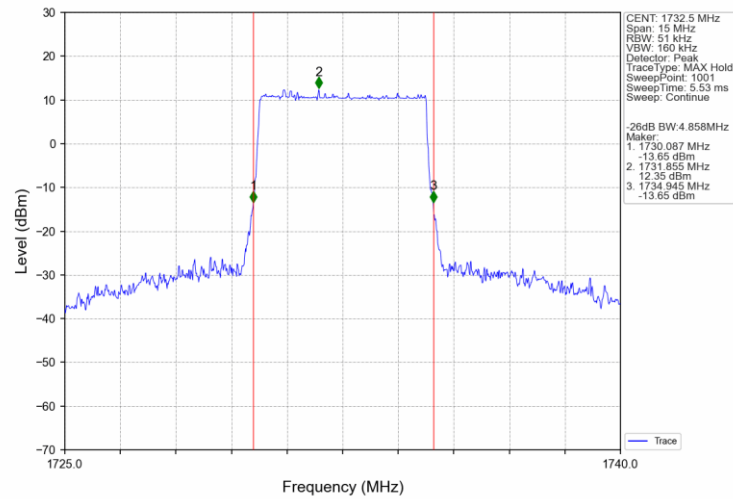
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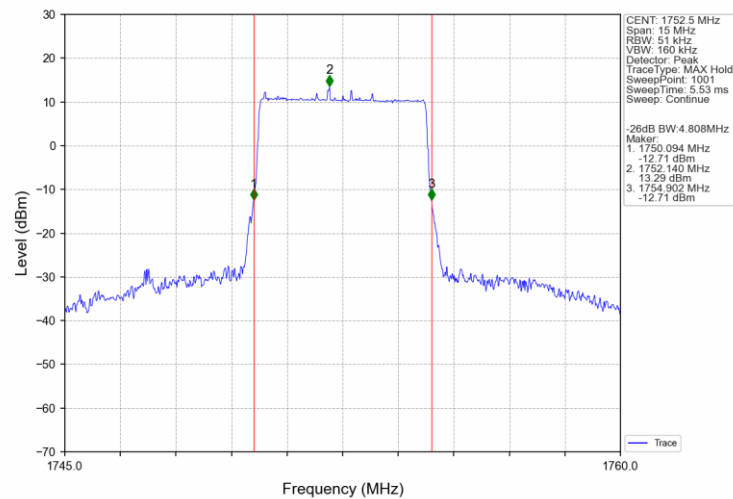
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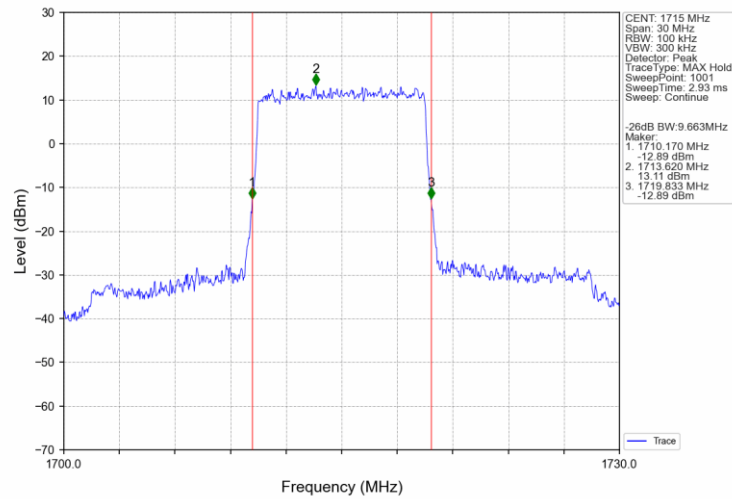
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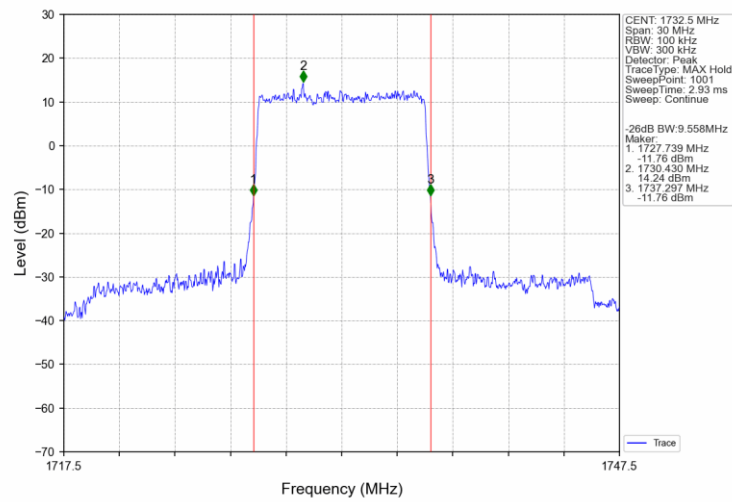
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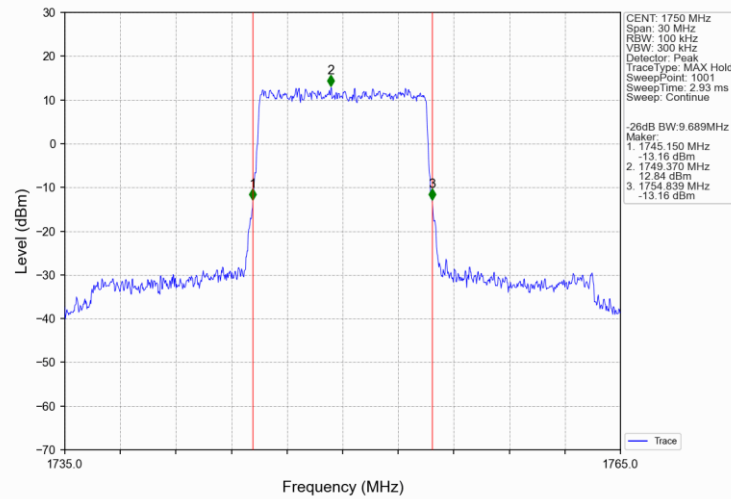
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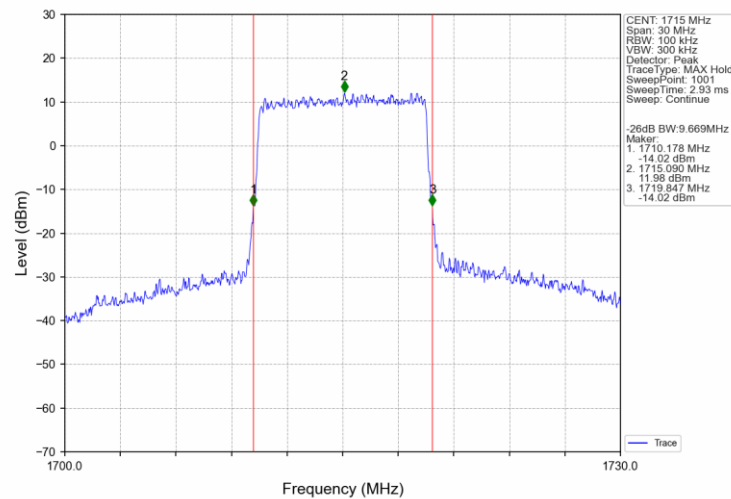
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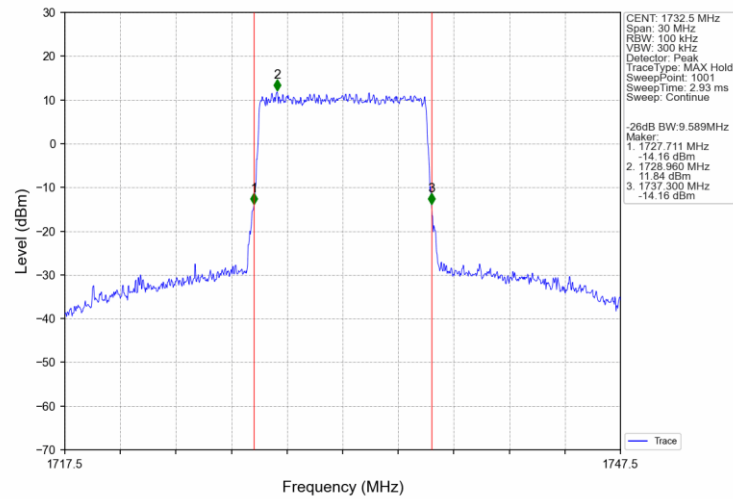
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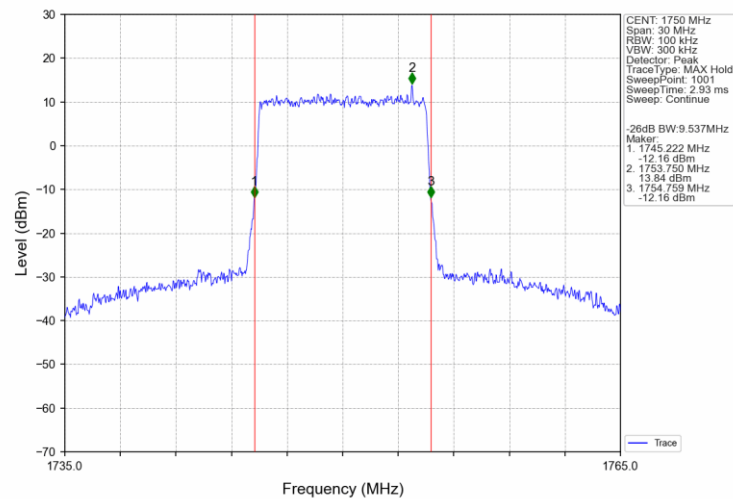
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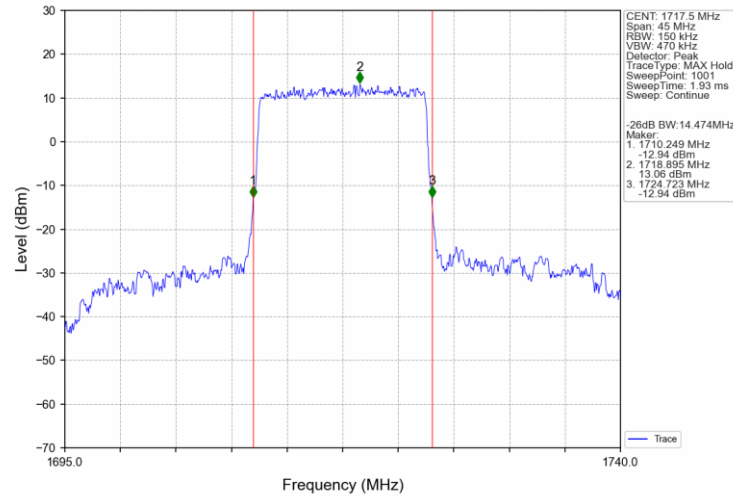
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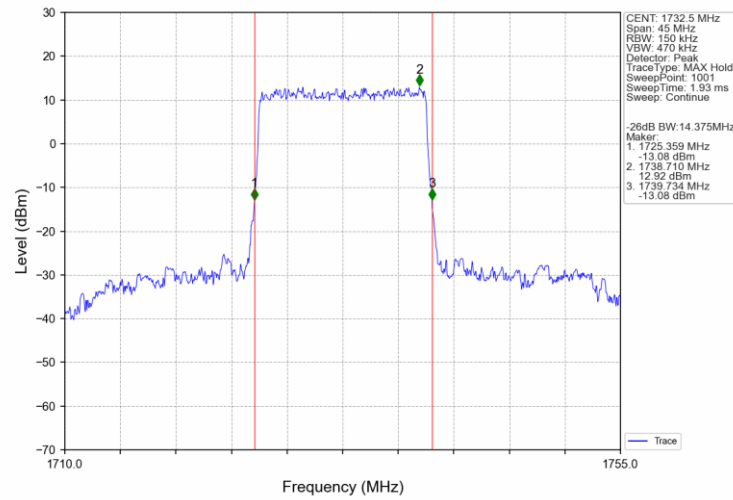
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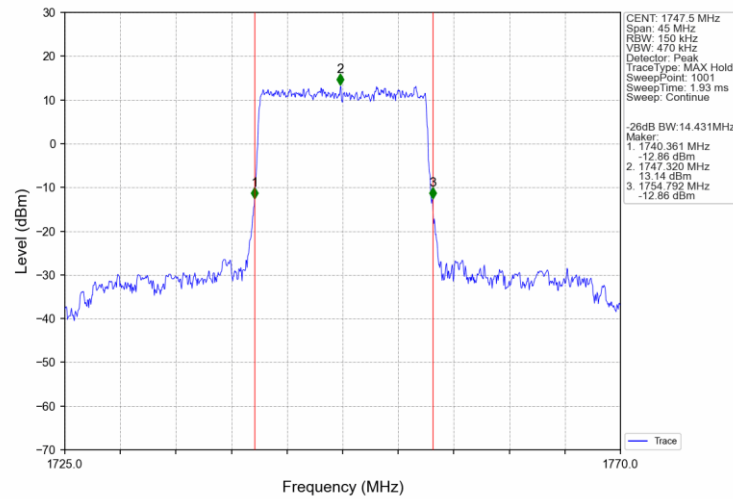
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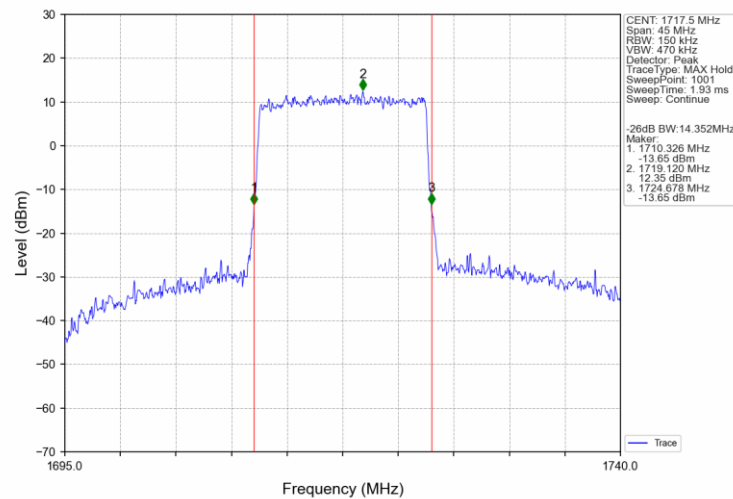
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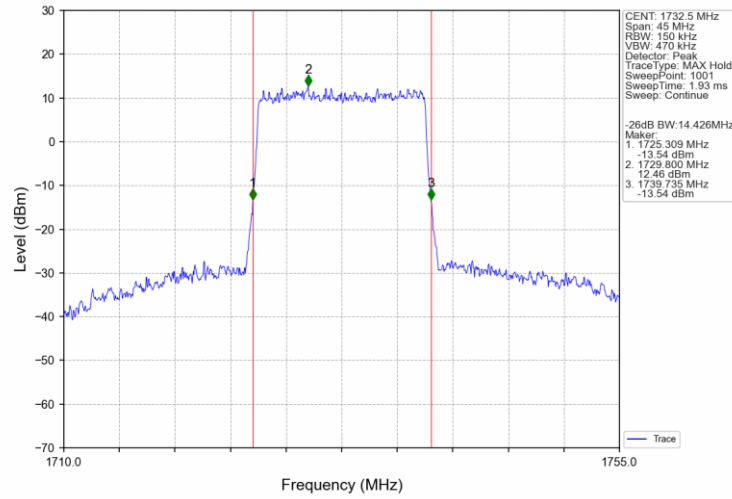
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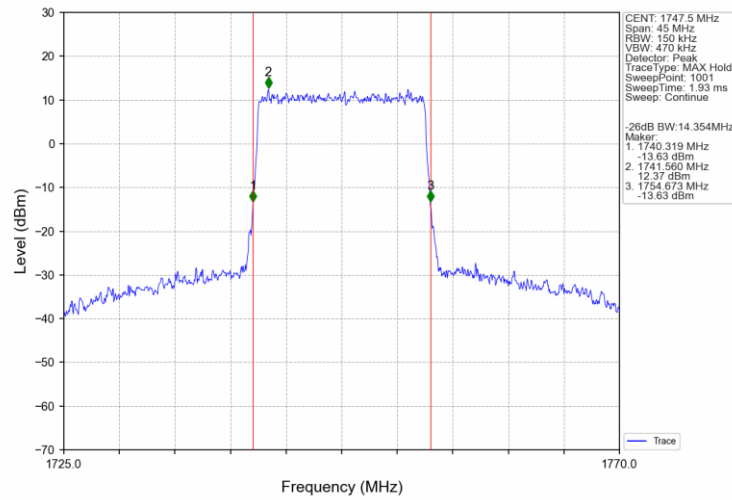
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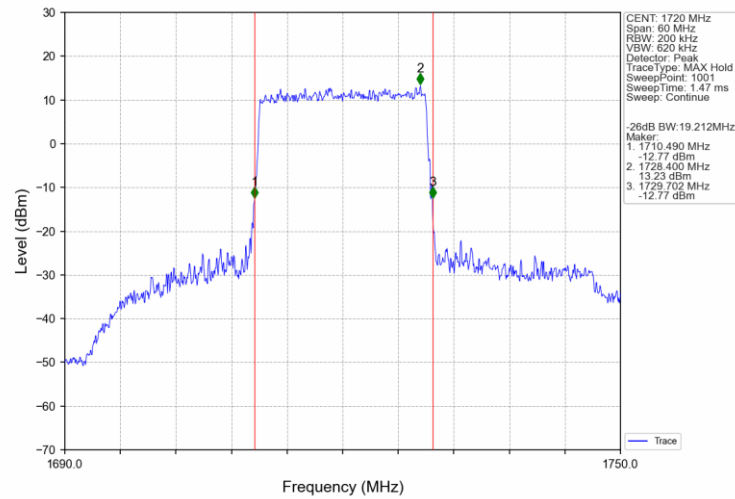
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Band4 15MHz 16QAM HCH 1747.5MHz RB 75 0 NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

