

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	21.95	2.26	24.21	<=30	Pass
			2	21.95	2.26	24.21	<=30	Pass
			5	21.93	2.26	24.19	<=30	Pass
		3	0	22.57	2.26	24.83	<=30	Pass
			2	22.59	2.26	24.85	<=30	Pass
			3	22.57	2.26	24.83	<=30	Pass
		6	0	21.55	2.26	23.81	<=30	Pass
	1732.5	1	0	22.13	2.26	24.39	<=30	Pass
			2	22.17	2.26	24.43	<=30	Pass
			5	22.16	2.26	24.42	<=30	Pass
		3	0	22.70	2.26	24.96	<=30	Pass
			2	22.68	2.26	24.94	<=30	Pass
			3	22.68	2.26	24.94	<=30	Pass
		6	0	21.69	2.26	23.95	<=30	Pass
	1754.3	1	0	21.85	2.26	24.11	<=30	Pass
			2	21.84	2.26	24.10	<=30	Pass
			5	21.85	2.26	24.11	<=30	Pass
		3	0	22.38	2.26	24.64	<=30	Pass
			2	22.38	2.26	24.64	<=30	Pass
			3	22.33	2.26	24.59	<=30	Pass
		6	0	21.39	2.26	23.65	<=30	Pass
16QAM	1710.7	1	0	21.05	2.26	23.31	<=30	Pass
			2	21.02	2.26	23.28	<=30	Pass
			5	21.05	2.26	23.31	<=30	Pass
		3	0	21.70	2.26	23.96	<=30	Pass
			2	21.72	2.26	23.98	<=30	Pass
			3	21.72	2.26	23.98	<=30	Pass
		6	0	20.54	2.26	22.80	<=30	Pass
	1732.5	1	0	21.23	2.26	23.49	<=30	Pass
			2	21.21	2.26	23.47	<=30	Pass
			5	21.25	2.26	23.51	<=30	Pass
		3	0	21.70	2.26	23.96	<=30	Pass
			2	21.68	2.26	23.94	<=30	Pass
			3	21.66	2.26	23.92	<=30	Pass
		6	0	20.58	2.26	22.84	<=30	Pass
	1754.3	1	0	21.03	2.26	23.29	<=30	Pass
			2	21.04	2.26	23.30	<=30	Pass
			5	21.04	2.26	23.30	<=30	Pass
		3	0	21.37	2.26	23.63	<=30	Pass
			2	21.37	2.26	23.63	<=30	Pass
			3	21.35	2.26	23.61	<=30	Pass
		6	0	20.39	2.26	22.65	<=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	22.03	2.26	24.29	<=30	Pass
			7	22.05	2.26	24.31	<=30	Pass
			14	22.03	2.26	24.29	<=30	Pass
		8	0	21.52	2.26	23.78	<=30	Pass
			4	21.52	2.26	23.78	<=30	Pass
			7	21.52	2.26	23.78	<=30	Pass
		15	0	21.55	2.26	23.81	<=30	Pass
	1732.5	1	0	22.13	2.26	24.39	<=30	Pass
			7	22.16	2.26	24.42	<=30	Pass
			14	22.15	2.26	24.41	<=30	Pass
		8	0	21.70	2.26	23.96	<=30	Pass
			4	21.65	2.26	23.91	<=30	Pass
			7	21.66	2.26	23.92	<=30	Pass
		15	0	21.66	2.26	23.92	<=30	Pass
	1753.5	1	0	21.89	2.26	24.15	<=30	Pass
			7	21.88	2.26	24.14	<=30	Pass
			14	21.86	2.26	24.12	<=30	Pass
		8	0	21.37	2.26	23.63	<=30	Pass
			4	21.38	2.26	23.64	<=30	Pass
			7	21.37	2.26	23.63	<=30	Pass
		15	0	21.39	2.26	23.65	<=30	Pass
16QAM	1711.5	1	0	21.10	2.26	23.36	<=30	Pass
			7	21.12	2.26	23.38	<=30	Pass
			14	21.08	2.26	23.34	<=30	Pass
		8	0	20.61	2.26	22.87	<=30	Pass
			4	20.62	2.26	22.88	<=30	Pass
			7	20.63	2.26	22.89	<=30	Pass
		15	0	20.60	2.26	22.86	<=30	Pass
	1732.5	1	0	21.40	2.26	23.66	<=30	Pass
			7	21.38	2.26	23.64	<=30	Pass
			14	21.35	2.26	23.61	<=30	Pass
		8	0	20.67	2.26	22.93	<=30	Pass
			4	20.61	2.26	22.87	<=30	Pass
			7	20.61	2.26	22.87	<=30	Pass
		15	0	20.58	2.26	22.84	<=30	Pass
	1753.5	1	0	21.51	2.26	23.77	<=30	Pass
			7	21.46	2.26	23.72	<=30	Pass
			14	21.43	2.26	23.69	<=30	Pass
		8	0	20.55	2.26	22.81	<=30	Pass
			4	20.55	2.26	22.81	<=30	Pass
			7	20.54	2.26	22.80	<=30	Pass
		15	0	20.46	2.26	22.72	<=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	22.16	2.26	24.42	<=30	Pass
			13	22.07	2.26	24.33	<=30	Pass
			24	22.15	2.26	24.41	<=30	Pass
		12	0	21.55	2.26	23.81	<=30	Pass
			6	21.58	2.26	23.84	<=30	Pass
			13	21.56	2.26	23.82	<=30	Pass
		25	0	21.58	2.26	23.84	<=30	Pass
	1732.5	1	0	22.23	2.26	24.49	<=30	Pass
			13	22.14	2.26	24.40	<=30	Pass
			24	22.27	2.26	24.53	<=30	Pass
		12	0	21.74	2.26	24.00	<=30	Pass
			6	21.70	2.26	23.96	<=30	Pass
			13	21.64	2.26	23.90	<=30	Pass
		25	0	21.71	2.26	23.97	<=30	Pass
	1752.5	1	0	22.12	2.26	24.38	<=30	Pass
			13	22.01	2.26	24.27	<=30	Pass
			24	22.09	2.26	24.35	<=30	Pass
		12	0	21.43	2.26	23.69	<=30	Pass
			6	21.42	2.26	23.68	<=30	Pass
			13	21.41	2.26	23.67	<=30	Pass
		25	0	21.43	2.26	23.69	<=30	Pass
16QAM	1712.5	1	0	21.21	2.26	23.47	<=30	Pass
			13	21.13	2.26	23.39	<=30	Pass
			24	21.25	2.26	23.51	<=30	Pass
		12	0	20.52	2.26	22.78	<=30	Pass
			6	20.52	2.26	22.78	<=30	Pass
			13	20.54	2.26	22.80	<=30	Pass
		25	0	20.61	2.26	22.87	<=30	Pass
	1732.5	1	0	21.55	2.26	23.81	<=30	Pass
			13	21.44	2.26	23.70	<=30	Pass
			24	21.51	2.26	23.77	<=30	Pass
		12	0	20.78	2.26	23.04	<=30	Pass
			6	20.70	2.26	22.96	<=30	Pass
			13	20.68	2.26	22.94	<=30	Pass
		25	0	20.72	2.26	22.98	<=30	Pass
	1752.5	1	0	20.90	2.26	23.16	<=30	Pass
			13	20.78	2.26	23.04	<=30	Pass
			24	20.83	2.26	23.09	<=30	Pass
		12	0	20.38	2.26	22.64	<=30	Pass
			6	20.42	2.26	22.68	<=30	Pass
			13	20.42	2.26	22.68	<=30	Pass
		25	0	20.45	2.26	22.71	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	22.09	2.26	24.35	<=30	Pass
			25	22.08	2.26	24.34	<=30	Pass
			49	22.17	2.26	24.43	<=30	Pass
		25	0	21.52	2.26	23.78	<=30	Pass
			13	21.61	2.26	23.87	<=30	Pass
			25	21.73	2.26	23.99	<=30	Pass
		50	0	21.66	2.26	23.92	<=30	Pass
	1732.5	1	0	22.18	2.26	24.44	<=30	Pass
			25	22.17	2.26	24.43	<=30	Pass
			49	22.18	2.26	24.44	<=30	Pass
		25	0	21.73	2.26	23.99	<=30	Pass
			13	21.74	2.26	24.00	<=30	Pass
			25	21.65	2.26	23.91	<=30	Pass
		50	0	21.71	2.26	23.97	<=30	Pass
	1750	1	0	22.04	2.26	24.30	<=30	Pass
			25	21.91	2.26	24.17	<=30	Pass
			49	21.94	2.26	24.20	<=30	Pass
		25	0	21.42	2.26	23.68	<=30	Pass
			13	21.44	2.26	23.70	<=30	Pass
			25	21.49	2.26	23.75	<=30	Pass
		50	0	21.52	2.26	23.78	<=30	Pass
16QAM	1715	1	0	21.11	2.26	23.37	<=30	Pass
			25	21.06	2.26	23.32	<=30	Pass
			49	21.21	2.26	23.47	<=30	Pass
		12	0	21.61	2.26	23.87	<=30	Pass
			19	21.64	2.26	23.90	<=30	Pass
			38	21.75	2.26	24.01	<=30	Pass
		27	0	20.51	2.26	22.77	<=30	Pass
	1732.5	1	0	21.42	2.26	23.68	<=30	Pass
			25	21.38	2.26	23.64	<=30	Pass
			49	21.39	2.26	23.65	<=30	Pass
		12	0	21.68	2.26	23.94	<=30	Pass
			19	21.70	2.26	23.96	<=30	Pass
			38	21.68	2.26	23.94	<=30	Pass
		27	0	20.72	2.26	22.98	<=30	Pass
	1750	1	0	21.62	2.26	23.88	<=30	Pass
			25	21.49	2.26	23.75	<=30	Pass
			49	21.50	2.26	23.76	<=30	Pass
		12	0	21.57	2.26	23.83	<=30	Pass
			19	21.50	2.26	23.76	<=30	Pass
			38	21.54	2.26	23.80	<=30	Pass
		27	23	20.47	2.26	22.73	<=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	21.96	2.26	24.22	<=30	Pass
			38	22.01	2.26	24.27	<=30	Pass
			74	22.08	2.26	24.34	<=30	Pass
		36	0	21.47	2.26	23.73	<=30	Pass
			18	21.55	2.26	23.81	<=30	Pass
			39	21.72	2.26	23.98	<=30	Pass
		75	0	21.62	2.26	23.88	<=30	Pass
	1732.5	1	0	22.11	2.26	24.37	<=30	Pass
			38	22.16	2.26	24.42	<=30	Pass
			74	22.11	2.26	24.37	<=30	Pass
		36	0	21.68	2.26	23.94	<=30	Pass
			18	21.68	2.26	23.94	<=30	Pass
			39	21.64	2.26	23.90	<=30	Pass
		75	0	21.64	2.26	23.90	<=30	Pass
	1747.5	1	0	22.02	2.26	24.28	<=30	Pass
			38	21.98	2.26	24.24	<=30	Pass
			74	21.86	2.26	24.12	<=30	Pass
		36	0	21.51	2.26	23.77	<=30	Pass
			18	21.47	2.26	23.73	<=30	Pass
			39	21.49	2.26	23.75	<=30	Pass
		75	0	21.52	2.26	23.78	<=30	Pass
16QAM	1717.5	1	0	21.40	2.26	23.66	<=30	Pass
			38	21.43	2.26	23.69	<=30	Pass
			74	21.54	2.26	23.80	<=30	Pass
		12	0	21.47	2.26	23.73	<=30	Pass
			31	21.56	2.26	23.82	<=30	Pass
			63	21.63	2.26	23.89	<=30	Pass
		27	0	20.49	2.26	22.75	<=30	Pass
	1732.5	1	0	21.32	2.26	23.58	<=30	Pass
			38	21.37	2.26	23.63	<=30	Pass
			74	21.32	2.26	23.58	<=30	Pass
		12	0	21.63	2.26	23.89	<=30	Pass
			31	21.68	2.26	23.94	<=30	Pass
			63	21.68	2.26	23.94	<=30	Pass
		27	0	20.71	2.26	22.97	<=30	Pass
	1747.5	1	0	21.60	2.26	23.86	<=30	Pass
			38	21.59	2.26	23.85	<=30	Pass
			74	21.46	2.26	23.72	<=30	Pass
		12	0	21.61	2.26	23.87	<=30	Pass
			31	21.54	2.26	23.80	<=30	Pass
			63	21.49	2.26	23.75	<=30	Pass
		27	48	20.43	2.26	22.69	<=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	21.98	2.26	24.24	<=30	Pass
			50	22.06	2.26	24.32	<=30	Pass
			99	22.14	2.26	24.40	<=30	Pass
		50	0	21.43	2.26	23.69	<=30	Pass
			25	21.70	2.26	23.96	<=30	Pass
			50	21.84	2.26	24.10	<=30	Pass
		100	0	21.66	2.26	23.92	<=30	Pass
	1732.5	1	0	22.13	2.26	24.39	<=30	Pass
			50	22.21	2.26	24.47	<=30	Pass
			99	22.06	2.26	24.32	<=30	Pass
		50	0	21.66	2.26	23.92	<=30	Pass
			25	21.75	2.26	24.01	<=30	Pass
			50	21.62	2.26	23.88	<=30	Pass
		100	0	21.63	2.26	23.89	<=30	Pass
	1745	1	0	22.14	2.26	24.40	<=30	Pass
			50	22.08	2.26	24.34	<=30	Pass
			99	21.89	2.26	24.15	<=30	Pass
		50	0	21.64	2.26	23.90	<=30	Pass
			25	21.60	2.26	23.86	<=30	Pass
			50	21.55	2.26	23.81	<=30	Pass
		100	0	21.60	2.26	23.86	<=30	Pass
16QAM	1720	1	0	21.61	2.26	23.87	<=30	Pass
			50	21.68	2.26	23.94	<=30	Pass
			99	21.80	2.26	24.06	<=30	Pass
		12	0	21.54	2.26	23.80	<=30	Pass
			44	21.63	2.26	23.89	<=30	Pass
			88	21.72	2.26	23.98	<=30	Pass
		27	0	20.49	2.26	22.75	<=30	Pass
	1732.5	1	0	21.37	2.26	23.63	<=30	Pass
			50	21.43	2.26	23.69	<=30	Pass
			99	21.29	2.26	23.55	<=30	Pass
		12	0	21.59	2.26	23.85	<=30	Pass
			44	21.70	2.26	23.96	<=30	Pass
			88	21.53	2.26	23.79	<=30	Pass
		27	0	20.58	2.26	22.84	<=30	Pass
	1745	1	0	21.46	2.26	23.72	<=30	Pass
			50	21.36	2.26	23.62	<=30	Pass
			99	21.21	2.26	23.47	<=30	Pass
		12	0	21.68	2.26	23.94	<=30	Pass
			44	21.57	2.26	23.83	<=30	Pass
			88	21.46	2.26	23.72	<=30	Pass
		27	73	20.43	2.26	22.69	<=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	3.70	2.275	0.0013	-2.5 to 2.5	Pass
					3.15	-6.051	-0.0035	-2.5 to 2.5	Pass
					4.26	1.345	0.0008	-2.5 to 2.5	Pass
				-30	3.70	-3.276	-0.0019	-2.5 to 2.5	Pass
				-20	3.70	9.756	0.0057	-2.5 to 2.5	Pass
				-10	3.70	12.317	0.0072	-2.5 to 2.5	Pass
				0	3.70	9.298	0.0054	-2.5 to 2.5	Pass
				10	3.70	11.902	0.0070	-2.5 to 2.5	Pass
				30	3.70	14.033	0.0082	-2.5 to 2.5	Pass
				40	3.70	6.938	0.0041	-2.5 to 2.5	Pass
				50	3.70	5.207	0.0030	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.70	5.865	0.0034	-2.5 to 2.5	Pass
					3.15	-6.022	-0.0035	-2.5 to 2.5	Pass
					4.26	-16.680	-0.0096	-2.5 to 2.5	Pass
				-30	3.70	-1.373	-0.0008	-2.5 to 2.5	Pass
				-20	3.70	8.025	0.0046	-2.5 to 2.5	Pass
				-10	3.70	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	3.70	5.493	0.0032	-2.5 to 2.5	Pass
				10	3.70	2.847	0.0016	-2.5 to 2.5	Pass
				30	3.70	-0.844	-0.0005	-2.5 to 2.5	Pass
				40	3.70	-2.861	-0.0017	-2.5 to 2.5	Pass
				50	3.70	6.065	0.0035	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.70	9.141	0.0052	-2.5 to 2.5	Pass
					3.15	-2.317	-0.0013	-2.5 to 2.5	Pass
					4.26	7.811	0.0045	-2.5 to 2.5	Pass
				-30	3.70	0.744	0.0004	-2.5 to 2.5	Pass
				-20	3.70	8.140	0.0046	-2.5 to 2.5	Pass
				-10	3.70	1.287	0.0007	-2.5 to 2.5	Pass
				0	3.70	2.189	0.0012	-2.5 to 2.5	Pass
				10	3.70	1.702	0.0010	-2.5 to 2.5	Pass
				30	3.70	-3.119	-0.0018	-2.5 to 2.5	Pass
				40	3.70	7.653	0.0044	-2.5 to 2.5	Pass
				50	3.70	-6.523	-0.0037	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.70	6.294	0.0037	-2.5 to 2.5	Pass
					3.15	-1.602	-0.0009	-2.5 to 2.5	Pass
					4.26	-0.172	-0.0001	-2.5 to 2.5	Pass
				-30	3.70	4.163	0.0024	-2.5 to 2.5	Pass
				-20	3.70	-0.129	-0.0001	-2.5 to 2.5	Pass
				-10	3.70	10.371	0.0061	-2.5 to 2.5	Pass
				0	3.70	8.411	0.0049	-2.5 to 2.5	Pass
				10	3.70	-7.381	-0.0043	-2.5 to 2.5	Pass
				30	3.70	4.306	0.0025	-2.5 to 2.5	Pass
				40	3.70	6.824	0.0040	-2.5 to 2.5	Pass
				50	3.70	1.874	0.0011	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.70	-7.253	-0.0042	-2.5 to 2.5	Pass
					3.15	5.450	0.0031	-2.5 to 2.5	Pass
					4.26	0.458	0.0003	-2.5 to 2.5	Pass
				-30	3.70	3.147	0.0018	-2.5 to 2.5	Pass
				-20	3.70	3.176	0.0018	-2.5 to 2.5	Pass
				-10	3.70	-2.646	-0.0015	-2.5 to 2.5	Pass

				0	3.70	-2.518	-0.0015	-2.5 to 2.5	Pass
				10	3.70	6.123	0.0035	-2.5 to 2.5	Pass
				30	3.70	7.968	0.0046	-2.5 to 2.5	Pass
				40	3.70	-11.373	-0.0066	-2.5 to 2.5	Pass
				50	3.70	7.610	0.0044	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.70	5.450	0.0031	-2.5 to 2.5	Pass
					3.15	2.203	0.0013	-2.5 to 2.5	Pass
					4.26	-1.774	-0.0010	-2.5 to 2.5	Pass
				-30	3.70	-2.246	-0.0013	-2.5 to 2.5	Pass
				-20	3.70	8.855	0.0050	-2.5 to 2.5	Pass
				-10	3.70	10.786	0.0061	-2.5 to 2.5	Pass
				0	3.70	-0.944	-0.0005	-2.5 to 2.5	Pass
				10	3.70	-5.908	-0.0034	-2.5 to 2.5	Pass
				30	3.70	0.687	0.0004	-2.5 to 2.5	Pass
				40	3.70	0.529	0.0003	-2.5 to 2.5	Pass
				50	3.70	0.501	0.0003	-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	3.70	2.117	0.0012	-2.5 to 2.5	Pass
					3.15	9.012	0.0053	-2.5 to 2.5	Pass
					4.26	0.343	0.0002	-2.5 to 2.5	Pass
				-30	3.70	5.908	0.0035	-2.5 to 2.5	Pass
				-20	3.70	5.693	0.0033	-2.5 to 2.5	Pass
				-10	3.70	3.018	0.0018	-2.5 to 2.5	Pass
				0	3.70	1.674	0.0010	-2.5 to 2.5	Pass
				10	3.70	5.708	0.0033	-2.5 to 2.5	Pass
				30	3.70	2.761	0.0016	-2.5 to 2.5	Pass
				40	3.70	5.579	0.0033	-2.5 to 2.5	Pass
				50	3.70	2.089	0.0012	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.70	9.198	0.0053	-2.5 to 2.5	Pass
					3.15	12.860	0.0074	-2.5 to 2.5	Pass
					4.26	4.735	0.0027	-2.5 to 2.5	Pass
				-30	3.70	3.533	0.0020	-2.5 to 2.5	Pass
				-20	3.70	10.128	0.0058	-2.5 to 2.5	Pass
				-10	3.70	3.219	0.0019	-2.5 to 2.5	Pass
				0	3.70	-1.888	-0.0011	-2.5 to 2.5	Pass
				10	3.70	-4.177	-0.0024	-2.5 to 2.5	Pass
				30	3.70	0.744	0.0004	-2.5 to 2.5	Pass
				40	3.70	0.086	0.0000	-2.5 to 2.5	Pass
				50	3.70	-1.931	-0.0011	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.70	-4.320	-0.0025	-2.5 to 2.5	Pass
					3.15	4.692	0.0027	-2.5 to 2.5	Pass
					4.26	-12.159	-0.0069	-2.5 to 2.5	Pass
				-30	3.70	2.246	0.0013	-2.5 to 2.5	Pass
				-20	3.70	4.249	0.0024	-2.5 to 2.5	Pass
				-10	3.70	-2.761	-0.0016	-2.5 to 2.5	Pass
				0	3.70	0.701	0.0004	-2.5 to 2.5	Pass
				10	3.70	2.074	0.0012	-2.5 to 2.5	Pass
				30	3.70	0.587	0.0003	-2.5 to 2.5	Pass
				40	3.70	-1.502	-0.0009	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.70	0.930	0.0005	-2.5 to 2.5	Pass
					3.15	-8.268	-0.0048	-2.5 to 2.5	Pass
					4.26	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.70	5.550	0.0032	-2.5 to 2.5	Pass
				-20	3.70	1.144	0.0007	-2.5 to 2.5	Pass
				-10	3.70	3.963	0.0023	-2.5 to 2.5	Pass
				0	3.70	3.805	0.0022	-2.5 to 2.5	Pass
				10	3.70	1.860	0.0011	-2.5 to 2.5	Pass
				30	3.70	14.648	0.0086	-2.5 to 2.5	Pass
				40	3.70	7.381	0.0043	-2.5 to 2.5	Pass
				50	3.70	9.613	0.0056	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.70	-3.333	-0.0019	-2.5 to 2.5	Pass
					3.15	1.645	0.0009	-2.5 to 2.5	Pass
					4.26	13.647	0.0079	-2.5 to 2.5	Pass
				-30	3.70	3.934	0.0023	-2.5 to 2.5	Pass
				-20	3.70	5.579	0.0032	-2.5 to 2.5	Pass
				-10	3.70	-4.005	-0.0023	-2.5 to 2.5	Pass
				0	3.70	6.080	0.0035	-2.5 to 2.5	Pass
				10	3.70	1.774	0.0010	-2.5 to 2.5	Pass
				30	3.70	-1.273	-0.0007	-2.5 to 2.5	Pass
				40	3.70	9.398	0.0054	-2.5 to 2.5	Pass
				50	3.70	7.210	0.0042	-2.5 to 2.5	Pass

	1753.5	15	0	20	3.70	-2.360	-0.0013	-2.5 to 2.5	Pass
					3.15	5.035	0.0029	-2.5 to 2.5	Pass
					4.26	3.161	0.0018	-2.5 to 2.5	Pass
				-30	3.70	-0.257	-0.0001	-2.5 to 2.5	Pass
				-20	3.70	-2.089	-0.0012	-2.5 to 2.5	Pass
				-10	3.70	-4.864	-0.0028	-2.5 to 2.5	Pass
				0	3.70	-2.646	-0.0015	-2.5 to 2.5	Pass
				10	3.70	1.760	0.0010	-2.5 to 2.5	Pass
				30	3.70	-9.055	-0.0052	-2.5 to 2.5	Pass
				40	3.70	1.645	0.0009	-2.5 to 2.5	Pass
				50	3.70	-1.445	-0.0008	-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	3.70	-2.904	-0.0017	-2.5 to 2.5	Pass
					3.15	-2.661	-0.0016	-2.5 to 2.5	Pass
					4.26	-2.661	-0.0016	-2.5 to 2.5	Pass
				-30	3.70	2.060	0.0012	-2.5 to 2.5	Pass
				-20	3.70	0.744	0.0004	-2.5 to 2.5	Pass
				-10	3.70	-0.873	-0.0005	-2.5 to 2.5	Pass
				0	3.70	6.809	0.0040	-2.5 to 2.5	Pass
				10	3.70	-0.730	-0.0004	-2.5 to 2.5	Pass
				30	3.70	-2.589	-0.0015	-2.5 to 2.5	Pass
				40	3.70	1.087	0.0006	-2.5 to 2.5	Pass
				50	3.70	5.794	0.0034	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.70	3.262	0.0019	-2.5 to 2.5	Pass
					3.15	3.462	0.0020	-2.5 to 2.5	Pass
					4.26	7.381	0.0043	-2.5 to 2.5	Pass
				-30	3.70	2.904	0.0017	-2.5 to 2.5	Pass
				-20	3.70	-5.708	-0.0033	-2.5 to 2.5	Pass
				-10	3.70	-5.007	-0.0029	-2.5 to 2.5	Pass
				0	3.70	-3.133	-0.0018	-2.5 to 2.5	Pass
				10	3.70	0.672	0.0004	-2.5 to 2.5	Pass
				30	3.70	-3.033	-0.0018	-2.5 to 2.5	Pass
				40	3.70	-0.358	-0.0002	-2.5 to 2.5	Pass
				50	3.70	-0.815	-0.0005	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.70	-4.520	-0.0026	-2.5 to 2.5	Pass
					3.15	4.821	0.0028	-2.5 to 2.5	Pass
					4.26	9.699	0.0055	-2.5 to 2.5	Pass
				-30	3.70	8.397	0.0048	-2.5 to 2.5	Pass
				-20	3.70	3.204	0.0018	-2.5 to 2.5	Pass
				-10	3.70	2.489	0.0014	-2.5 to 2.5	Pass
				0	3.70	3.576	0.0020	-2.5 to 2.5	Pass
				10	3.70	1.831	0.0010	-2.5 to 2.5	Pass
				30	3.70	0.858	0.0005	-2.5 to 2.5	Pass
				40	3.70	5.164	0.0029	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.70	3.333	0.0019	-2.5 to 2.5	Pass
					3.15	4.578	0.0027	-2.5 to 2.5	Pass
					4.26	-0.830	-0.0005	-2.5 to 2.5	Pass
				-30	3.70	5.050	0.0029	-2.5 to 2.5	Pass
				-20	3.70	5.107	0.0030	-2.5 to 2.5	Pass
				-10	3.70	6.008	0.0035	-2.5 to 2.5	Pass
				0	3.70	2.275	0.0013	-2.5 to 2.5	Pass
				10	3.70	3.376	0.0020	-2.5 to 2.5	Pass
				30	3.70	3.548	0.0021	-2.5 to 2.5	Pass
				40	3.70	7.539	0.0044	-2.5 to 2.5	Pass
				50	3.70	1.130	0.0007	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.70	2.890	0.0017	-2.5 to 2.5	Pass
					3.15	3.304	0.0019	-2.5 to 2.5	Pass
					4.26	2.804	0.0016	-2.5 to 2.5	Pass
				-30	3.70	-0.215	-0.0001	-2.5 to 2.5	Pass
				-20	3.70	-1.574	-0.0009	-2.5 to 2.5	Pass
				-10	3.70	2.460	0.0014	-2.5 to 2.5	Pass
				0	3.70	4.420	0.0026	-2.5 to 2.5	Pass
				10	3.70	2.089	0.0012	-2.5 to 2.5	Pass
				30	3.70	-1.745	-0.0010	-2.5 to 2.5	Pass
				40	3.70	1.001	0.0006	-2.5 to 2.5	Pass
				50	3.70	-4.034	-0.0023	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.70	2.818	0.0016	-2.5 to 2.5	Pass
					3.15	2.203	0.0013	-2.5 to 2.5	Pass
					4.26	6.909	0.0039	-2.5 to 2.5	Pass
				-30	3.70	3.133	0.0018	-2.5 to 2.5	Pass
				-20	3.70	5.436	0.0031	-2.5 to 2.5	Pass
				-10	3.70	2.117	0.0012	-2.5 to 2.5	Pass
				0	3.70	6.022	0.0034	-2.5 to 2.5	Pass
				10	3.70	7.024	0.0040	-2.5 to 2.5	Pass
				30	3.70	3.676	0.0021	-2.5 to 2.5	Pass
				40	3.70	4.635	0.0026	-2.5 to 2.5	Pass
				50	3.70	3.033	0.0017	-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	3.70	-1.187	-0.0007	-2.5 to 2.5	Pass
					3.15	0.672	0.0004	-2.5 to 2.5	Pass
					4.26	5.035	0.0029	-2.5 to 2.5	Pass
				-30	3.70	2.604	0.0015	-2.5 to 2.5	Pass
				-20	3.70	1.230	0.0007	-2.5 to 2.5	Pass
				-10	3.70	3.891	0.0023	-2.5 to 2.5	Pass
				0	3.70	-0.458	-0.0003	-2.5 to 2.5	Pass
				10	3.70	5.922	0.0035	-2.5 to 2.5	Pass
				30	3.70	5.379	0.0031	-2.5 to 2.5	Pass
				40	3.70	5.722	0.0033	-2.5 to 2.5	Pass
				50	3.70	7.153	0.0042	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.70	-0.415	-0.0002	-2.5 to 2.5	Pass
					3.15	0.472	0.0003	-2.5 to 2.5	Pass
					4.26	0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.70	5.679	0.0033	-2.5 to 2.5	Pass
				-20	3.70	-3.219	-0.0019	-2.5 to 2.5	Pass
				-10	3.70	2.232	0.0013	-2.5 to 2.5	Pass
				0	3.70	2.861	0.0017	-2.5 to 2.5	Pass
				10	3.70	0.844	0.0005	-2.5 to 2.5	Pass
				30	3.70	3.533	0.0020	-2.5 to 2.5	Pass
				40	3.70	2.503	0.0014	-2.5 to 2.5	Pass
				50	3.70	1.645	0.0009	-2.5 to 2.5	Pass
	1750	50	0	20	3.70	-0.672	-0.0004	-2.5 to 2.5	Pass
					3.15	-1.345	-0.0008	-2.5 to 2.5	Pass
					4.26	-0.644	-0.0004	-2.5 to 2.5	Pass
				-30	3.70	-3.948	-0.0023	-2.5 to 2.5	Pass
				-20	3.70	4.020	0.0023	-2.5 to 2.5	Pass
				-10	3.70	0.143	0.0001	-2.5 to 2.5	Pass
				0	3.70	-0.930	-0.0005	-2.5 to 2.5	Pass
				10	3.70	3.934	0.0022	-2.5 to 2.5	Pass
				30	3.70	5.379	0.0031	-2.5 to 2.5	Pass
				40	3.70	4.077	0.0023	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.70	4.606	0.0027	-2.5 to 2.5	Pass
					3.15	2.618	0.0015	-2.5 to 2.5	Pass
					4.26	0.129	0.0001	-2.5 to 2.5	Pass
				-30	3.70	-0.329	-0.0002	-2.5 to 2.5	Pass
				-20	3.70	-0.272	-0.0002	-2.5 to 2.5	Pass
				-10	3.70	1.903	0.0011	-2.5 to 2.5	Pass
				0	3.70	0.272	0.0002	-2.5 to 2.5	Pass
				10	3.70	3.476	0.0020	-2.5 to 2.5	Pass
				30	3.70	1.688	0.0010	-2.5 to 2.5	Pass
				40	3.70	4.449	0.0026	-2.5 to 2.5	Pass
				50	3.70	-0.830	-0.0005	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.70	2.561	0.0015	-2.5 to 2.5	Pass
					3.15	0.615	0.0004	-2.5 to 2.5	Pass
					4.26	-0.172	-0.0001	-2.5 to 2.5	Pass
				-30	3.70	0.501	0.0003	-2.5 to 2.5	Pass
				-20	3.70	1.473	0.0009	-2.5 to 2.5	Pass
				-10	3.70	9.670	0.0056	-2.5 to 2.5	Pass
				0	3.70	-0.100	-0.0001	-2.5 to 2.5	Pass
				10	3.70	-3.247	-0.0019	-2.5 to 2.5	Pass
				30	3.70	3.877	0.0022	-2.5 to 2.5	Pass
				40	3.70	2.861	0.0017	-2.5 to 2.5	Pass
				50	3.70	6.967	0.0040	-2.5 to 2.5	Pass



	1750	27	23	20	3.70	4.449	0.0025	-2.5 to 2.5	Pass
					3.15	2.060	0.0012	-2.5 to 2.5	Pass
					4.26	4.063	0.0023	-2.5 to 2.5	Pass
				-30	3.70	3.376	0.0019	-2.5 to 2.5	Pass
				-20	3.70	0.687	0.0004	-2.5 to 2.5	Pass
				-10	3.70	5.522	0.0032	-2.5 to 2.5	Pass
				0	3.70	-0.458	-0.0003	-2.5 to 2.5	Pass
				10	3.70	1.059	0.0006	-2.5 to 2.5	Pass
				30	3.70	3.190	0.0018	-2.5 to 2.5	Pass
				40	3.70	6.094	0.0035	-2.5 to 2.5	Pass
				50	3.70	2.618	0.0015	-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	3.70	3.848	0.0022	-2.5 to 2.5	Pass
					3.15	1.516	0.0009	-2.5 to 2.5	Pass
					4.26	1.245	0.0007	-2.5 to 2.5	Pass
				-30	3.70	4.063	0.0024	-2.5 to 2.5	Pass
				-20	3.70	1.702	0.0010	-2.5 to 2.5	Pass
				-10	3.70	2.232	0.0013	-2.5 to 2.5	Pass
				0	3.70	2.103	0.0012	-2.5 to 2.5	Pass
				10	3.70	2.789	0.0016	-2.5 to 2.5	Pass
				30	3.70	3.219	0.0019	-2.5 to 2.5	Pass
				40	3.70	2.017	0.0012	-2.5 to 2.5	Pass
				50	3.70	5.736	0.0033	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.70	5.951	0.0034	-2.5 to 2.5	Pass
					3.15	1.674	0.0010	-2.5 to 2.5	Pass
					4.26	3.891	0.0022	-2.5 to 2.5	Pass
				-30	3.70	4.063	0.0023	-2.5 to 2.5	Pass
				-20	3.70	2.432	0.0014	-2.5 to 2.5	Pass
				-10	3.70	3.333	0.0019	-2.5 to 2.5	Pass
				0	3.70	4.005	0.0023	-2.5 to 2.5	Pass
				10	3.70	3.819	0.0022	-2.5 to 2.5	Pass
				30	3.70	7.310	0.0042	-2.5 to 2.5	Pass
				40	3.70	4.635	0.0027	-2.5 to 2.5	Pass
				50	3.70	3.490	0.0020	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.70	1.445	0.0008	-2.5 to 2.5	Pass
					3.15	1.659	0.0009	-2.5 to 2.5	Pass
					4.26	-1.273	-0.0007	-2.5 to 2.5	Pass
				-30	3.70	0.687	0.0004	-2.5 to 2.5	Pass
				-20	3.70	1.717	0.0010	-2.5 to 2.5	Pass
				-10	3.70	3.748	0.0021	-2.5 to 2.5	Pass
				0	3.70	0.215	0.0001	-2.5 to 2.5	Pass
				10	3.70	-0.858	-0.0005	-2.5 to 2.5	Pass
				30	3.70	4.191	0.0024	-2.5 to 2.5	Pass
				40	3.70	-0.100	-0.0001	-2.5 to 2.5	Pass
16QAM	1717.5	27	0	20	3.70	3.247	0.0019	-2.5 to 2.5	Pass
					3.15	2.918	0.0017	-2.5 to 2.5	Pass
					4.26	2.646	0.0015	-2.5 to 2.5	Pass
				-30	3.70	5.794	0.0034	-2.5 to 2.5	Pass
				-20	3.70	4.034	0.0023	-2.5 to 2.5	Pass
				-10	3.70	1.774	0.0010	-2.5 to 2.5	Pass
				0	3.70	0.043	0.0000	-2.5 to 2.5	Pass
				10	3.70	3.076	0.0018	-2.5 to 2.5	Pass
				30	3.70	-0.830	-0.0005	-2.5 to 2.5	Pass
				40	3.70	8.497	0.0049	-2.5 to 2.5	Pass
				50	3.70	1.531	0.0009	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.70	4.134	0.0024	-2.5 to 2.5	Pass
					3.15	1.903	0.0011	-2.5 to 2.5	Pass
					4.26	1.588	0.0009	-2.5 to 2.5	Pass
				-30	3.70	6.337	0.0037	-2.5 to 2.5	Pass
				-20	3.70	1.402	0.0008	-2.5 to 2.5	Pass
				-10	3.70	3.619	0.0021	-2.5 to 2.5	Pass
				0	3.70	1.388	0.0008	-2.5 to 2.5	Pass
				10	3.70	-1.345	-0.0008	-2.5 to 2.5	Pass
				30	3.70	0.315	0.0002	-2.5 to 2.5	Pass
				40	3.70	0.730	0.0004	-2.5 to 2.5	Pass
				50	3.70	4.807	0.0028	-2.5 to 2.5	Pass

	1747.5	27	48	20	3.70	2.131	0.0012	-2.5 to 2.5	Pass
					3.15	-2.775	-0.0016	-2.5 to 2.5	Pass
					4.26	0.544	0.0003	-2.5 to 2.5	Pass
				-30	3.70	1.373	0.0008	-2.5 to 2.5	Pass
				-20	3.70	-1.688	-0.0010	-2.5 to 2.5	Pass
				-10	3.70	-1.674	-0.0010	-2.5 to 2.5	Pass
				0	3.70	1.044	0.0006	-2.5 to 2.5	Pass
				10	3.70	2.732	0.0016	-2.5 to 2.5	Pass
				30	3.70	1.702	0.0010	-2.5 to 2.5	Pass
				40	3.70	1.016	0.0006	-2.5 to 2.5	Pass
				50	3.70	0.029	0.0000	-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	3.70	-2.604	-0.0015	-2.5 to 2.5	Pass
					3.15	-0.100	-0.0001	-2.5 to 2.5	Pass
					4.26	-1.502	-0.0009	-2.5 to 2.5	Pass
				-30	3.70	1.059	0.0006	-2.5 to 2.5	Pass
				-20	3.70	2.375	0.0014	-2.5 to 2.5	Pass
				-10	3.70	-2.489	-0.0014	-2.5 to 2.5	Pass
				0	3.70	1.130	0.0007	-2.5 to 2.5	Pass
				10	3.70	-0.157	-0.0001	-2.5 to 2.5	Pass
				30	3.70	1.159	0.0007	-2.5 to 2.5	Pass
				40	3.70	-1.445	-0.0008	-2.5 to 2.5	Pass
				50	3.70	-4.735	-0.0028	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.70	2.761	0.0016	-2.5 to 2.5	Pass
					3.15	3.104	0.0018	-2.5 to 2.5	Pass
					4.26	4.220	0.0024	-2.5 to 2.5	Pass
				-30	3.70	4.363	0.0025	-2.5 to 2.5	Pass
				-20	3.70	5.608	0.0032	-2.5 to 2.5	Pass
				-10	3.70	2.017	0.0012	-2.5 to 2.5	Pass
				0	3.70	2.575	0.0015	-2.5 to 2.5	Pass
				10	3.70	1.245	0.0007	-2.5 to 2.5	Pass
				30	3.70	3.490	0.0020	-2.5 to 2.5	Pass
				40	3.70	2.775	0.0016	-2.5 to 2.5	Pass
				50	3.70	2.518	0.0015	-2.5 to 2.5	Pass
	1745	100	0	20	3.70	5.536	0.0032	-2.5 to 2.5	Pass
					3.15	8.039	0.0046	-2.5 to 2.5	Pass
					4.26	4.048	0.0023	-2.5 to 2.5	Pass
				-30	3.70	2.661	0.0015	-2.5 to 2.5	Pass
				-20	3.70	4.277	0.0025	-2.5 to 2.5	Pass
				-10	3.70	5.665	0.0032	-2.5 to 2.5	Pass
				0	3.70	3.262	0.0019	-2.5 to 2.5	Pass
				10	3.70	6.509	0.0037	-2.5 to 2.5	Pass
				30	3.70	1.388	0.0008	-2.5 to 2.5	Pass
				40	3.70	3.190	0.0018	-2.5 to 2.5	Pass
				50	3.70	2.332	0.0013	-2.5 to 2.5	Pass
16QAM	1720	27	0	20	3.70	4.578	0.0027	-2.5 to 2.5	Pass
					3.15	1.588	0.0009	-2.5 to 2.5	Pass
					4.26	1.402	0.0008	-2.5 to 2.5	Pass
				-30	3.70	2.704	0.0016	-2.5 to 2.5	Pass
				-20	3.70	-1.273	-0.0007	-2.5 to 2.5	Pass
				-10	3.70	1.431	0.0008	-2.5 to 2.5	Pass
				0	3.70	-0.472	-0.0003	-2.5 to 2.5	Pass
				10	3.70	1.845	0.0011	-2.5 to 2.5	Pass
				30	3.70	2.918	0.0017	-2.5 to 2.5	Pass
				40	3.70	1.173	0.0007	-2.5 to 2.5	Pass
				50	3.70	1.945	0.0011	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.70	1.287	0.0007	-2.5 to 2.5	Pass
					3.15	2.990	0.0017	-2.5 to 2.5	Pass
					4.26	0.687	0.0004	-2.5 to 2.5	Pass
				-30	3.70	5.836	0.0034	-2.5 to 2.5	Pass
				-20	3.70	2.017	0.0012	-2.5 to 2.5	Pass
				-10	3.70	8.168	0.0047	-2.5 to 2.5	Pass
				0	3.70	3.419	0.0020	-2.5 to 2.5	Pass
				10	3.70	2.275	0.0013	-2.5 to 2.5	Pass
				30	3.70	2.017	0.0012	-2.5 to 2.5	Pass
				40	3.70	5.050	0.0029	-2.5 to 2.5	Pass
				50	3.70	5.207	0.0030	-2.5 to 2.5	Pass

	1745	27	73	20	3.70	3.676	0.0021	-2.5 to 2.5	Pass
					3.15	3.233	0.0019	-2.5 to 2.5	Pass
					4.26	0.644	0.0004	-2.5 to 2.5	Pass
				-30	3.70	1.531	0.0009	-2.5 to 2.5	Pass
				-20	3.70	2.317	0.0013	-2.5 to 2.5	Pass
				-10	3.70	3.018	0.0017	-2.5 to 2.5	Pass
				0	3.70	2.675	0.0015	-2.5 to 2.5	Pass
				10	3.70	0.529	0.0003	-2.5 to 2.5	Pass
				30	3.70	2.489	0.0014	-2.5 to 2.5	Pass
				40	3.70	2.046	0.0012	-2.5 to 2.5	Pass
				50	3.70	3.662	0.0021	-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	27	0	Refer To Test Graph		Pass

3.1.5 B4_15MHz

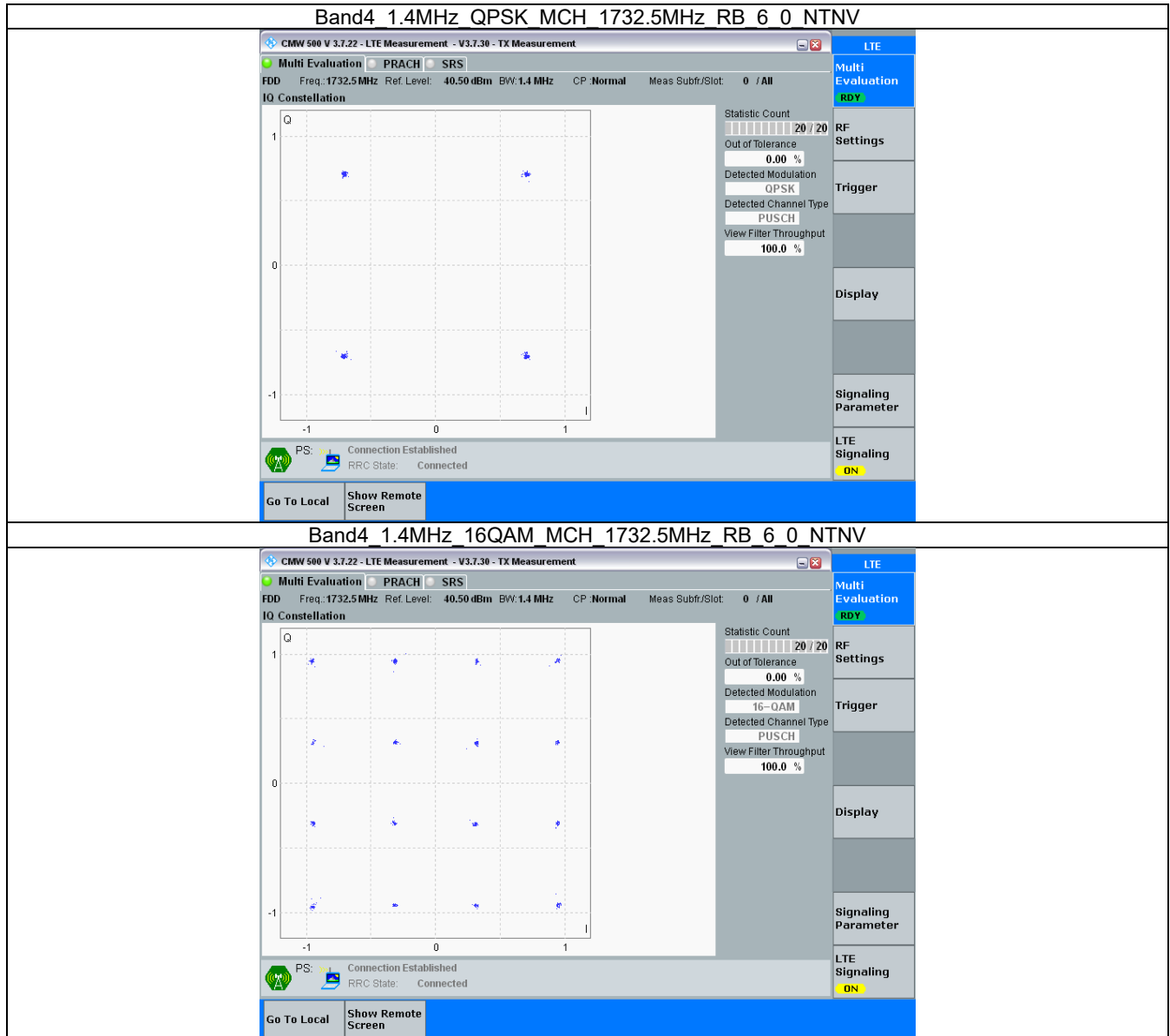
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

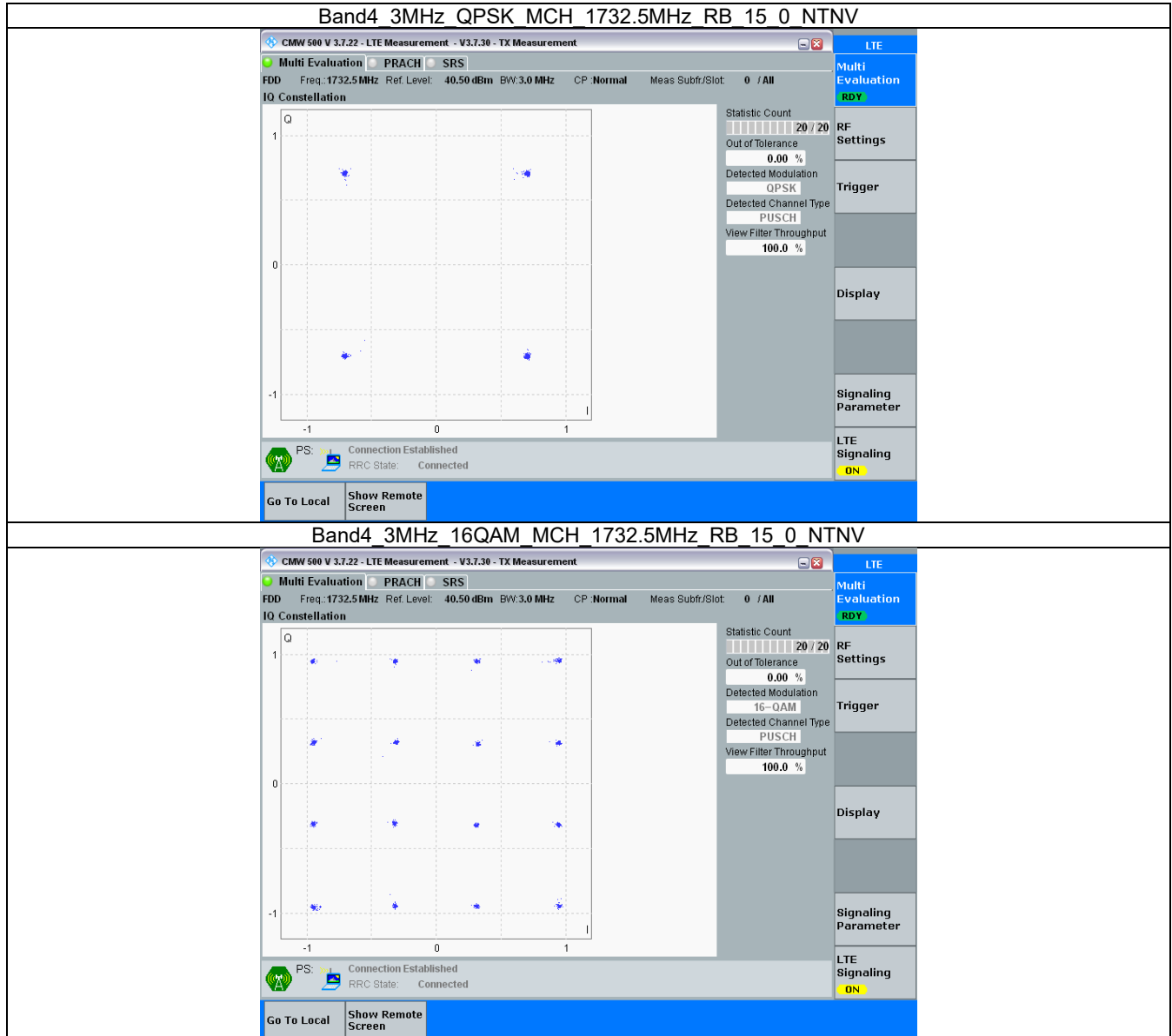
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.2 Test Graph

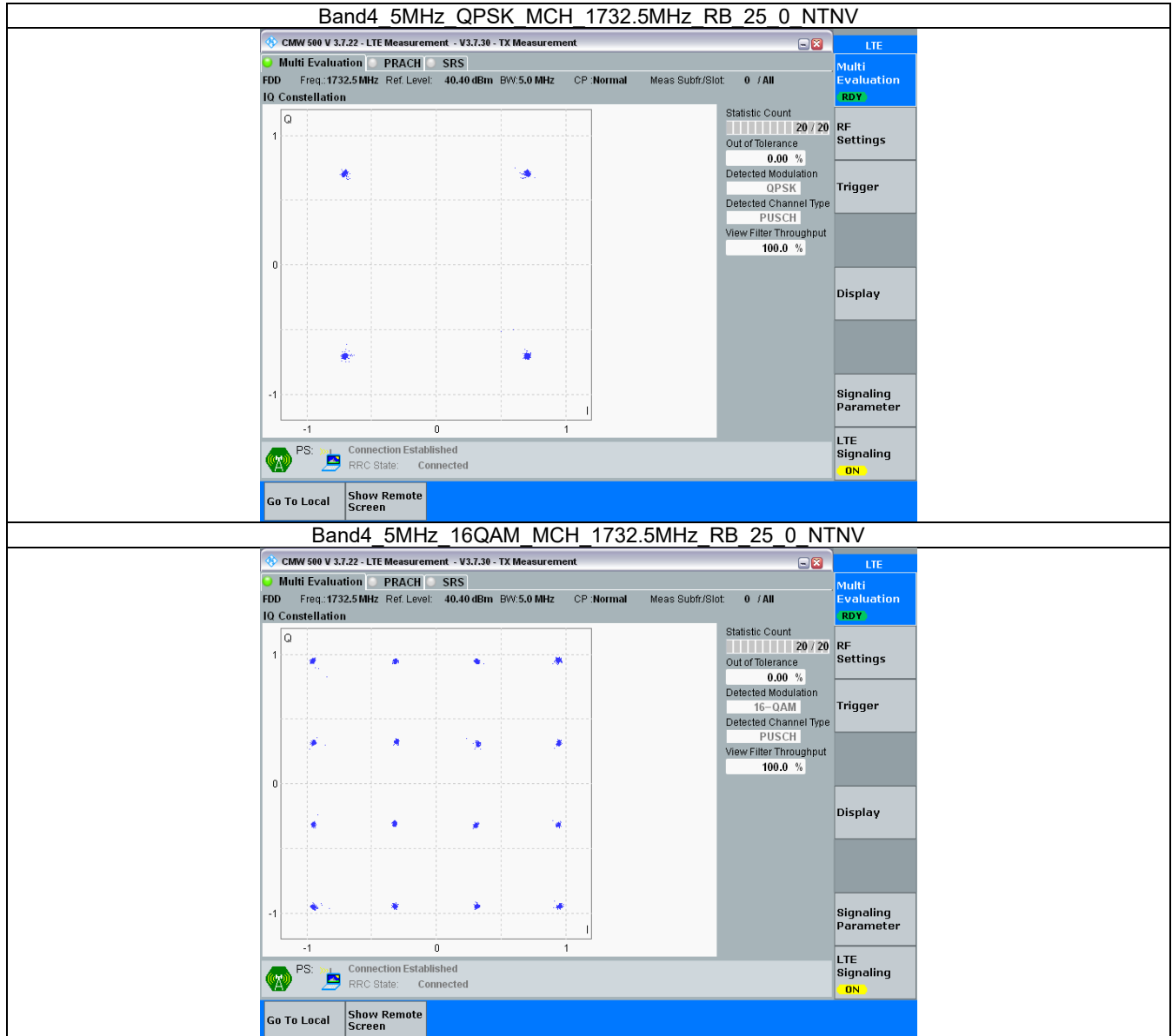
3.2.1 B4_1.4MHz



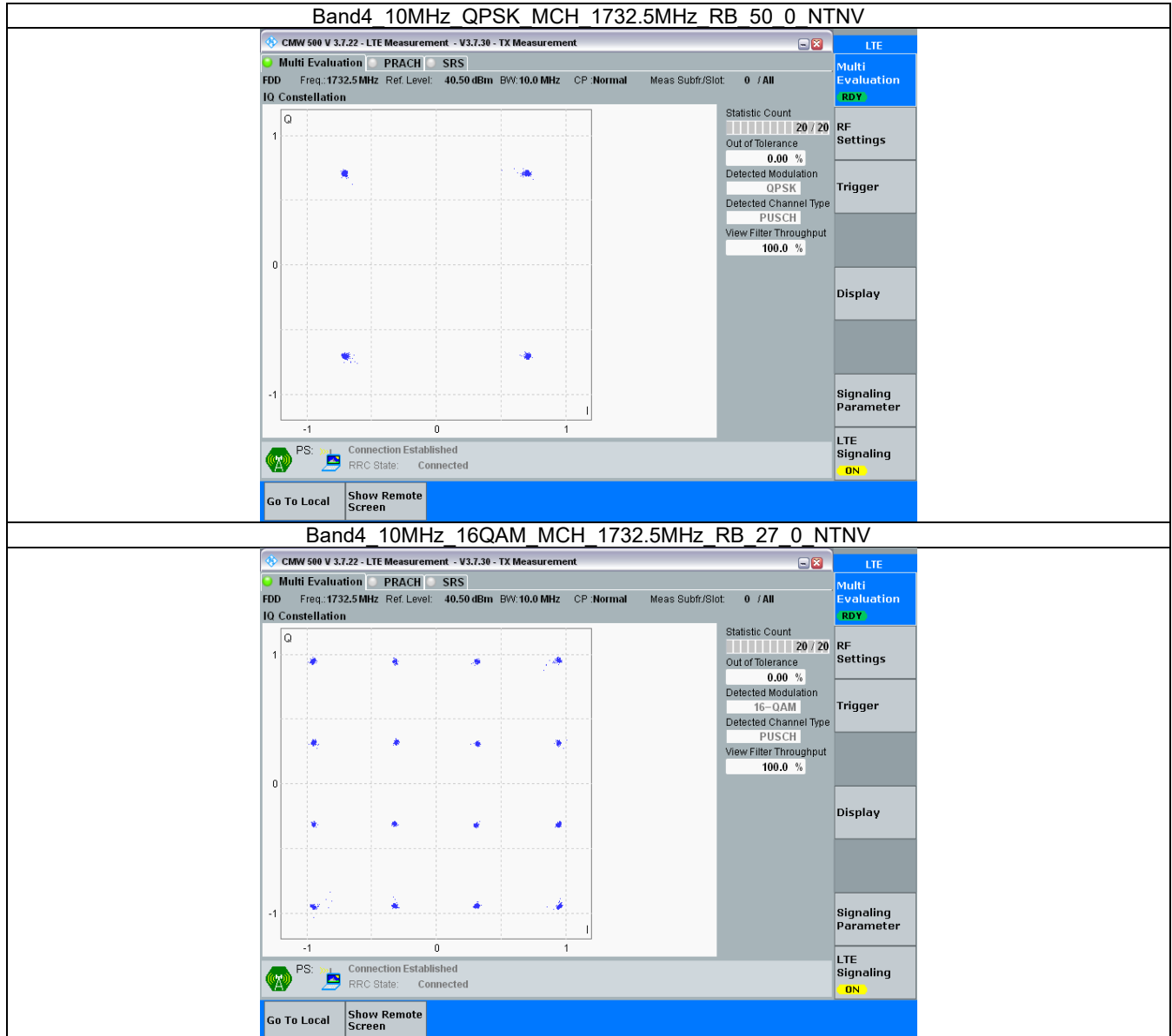
3.2.2 B4_3MHz



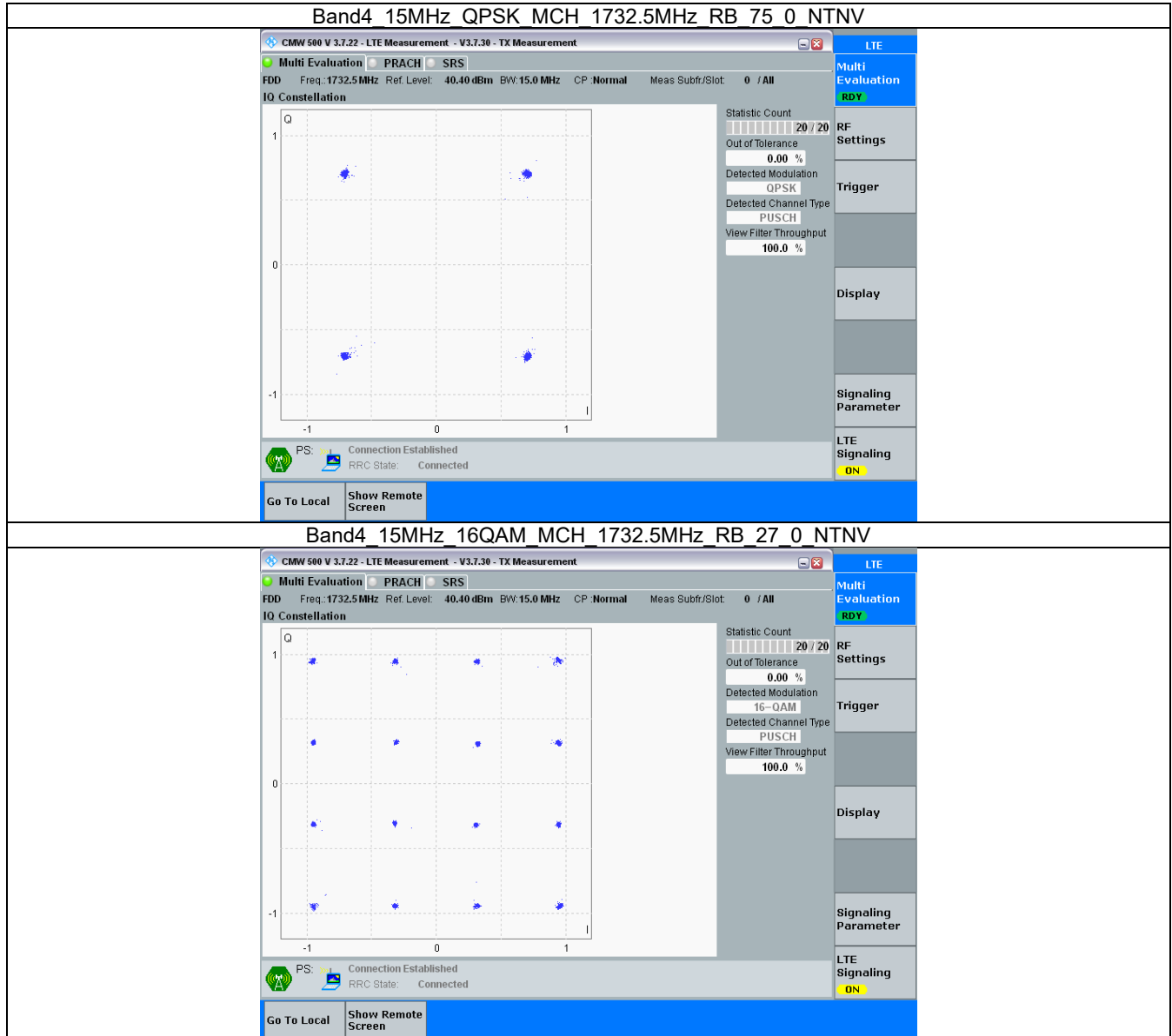
3.2.3 B4_5MHz



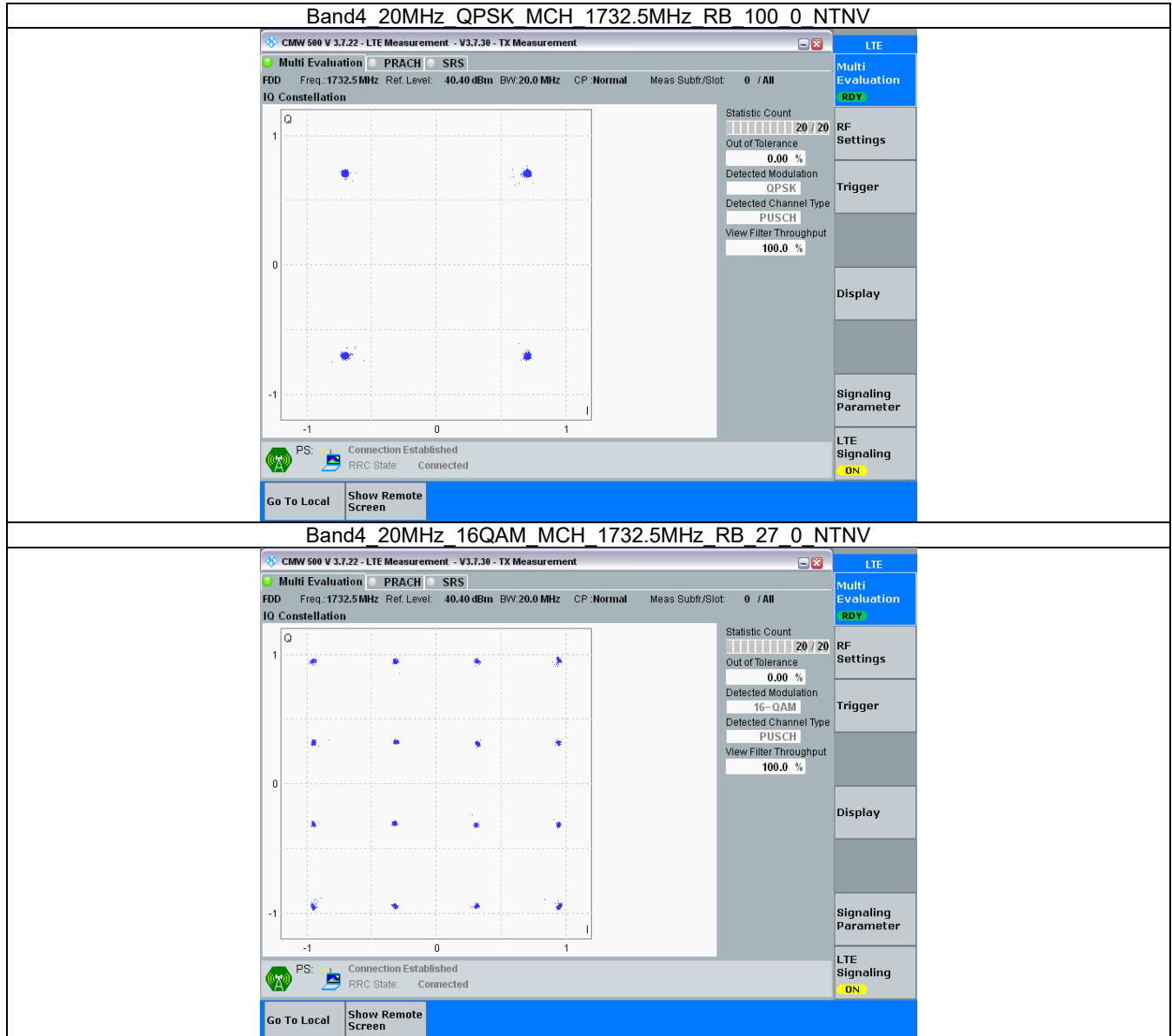
3.2.4 B4_10MHz



3.2.5 B4_15MHz



3.2.6 B4_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.117	/	Pass
		1732.5	6	0	1.117	/	Pass
		1754.3	6	0	1.108	/	Pass
	16QAM	1710.7	6	0	1.113	/	Pass
		1732.5	6	0	1.100	/	Pass
		1754.3	6	0	1.113	/	Pass
3	QPSK	1711.5	15	0	2.731	/	Pass
		1732.5	15	0	2.728	/	Pass
		1753.5	15	0	2.723	/	Pass
	16QAM	1711.5	15	0	2.726	/	Pass
		1732.5	15	0	2.732	/	Pass
		1753.5	15	0	2.724	/	Pass
5	QPSK	1712.5	25	0	4.549	/	Pass
		1732.5	25	0	4.550	/	Pass
		1752.5	25	0	4.553	/	Pass
	16QAM	1712.5	25	0	4.557	/	Pass
		1732.5	25	0	4.563	/	Pass
		1752.5	25	0	4.532	/	Pass
10	QPSK	1715	50	0	9.094	/	Pass
		1732.5	50	0	9.040	/	Pass
		1750	50	0	9.065	/	Pass
	16QAM	1715	27	0	5.108	/	Pass
		1732.5	27	0	5.079	/	Pass
		1750	27	23	5.076	/	Pass
15	QPSK	1717.5	75	0	13.575	/	Pass
		1732.5	75	0	13.536	/	Pass
		1747.5	75	0	13.628	/	Pass
	16QAM	1717.5	27	0	5.344	/	Pass
		1732.5	27	0	5.332	/	Pass
		1747.5	27	48	5.281	/	Pass
20	QPSK	1720	100	0	18.057	/	Pass
		1732.5	100	0	18.108	/	Pass
		1745	100	0	18.096	/	Pass
	16QAM	1720	27	0	5.514	/	Pass
		1732.5	27	0	5.509	/	Pass
		1745	27	73	5.508	/	Pass

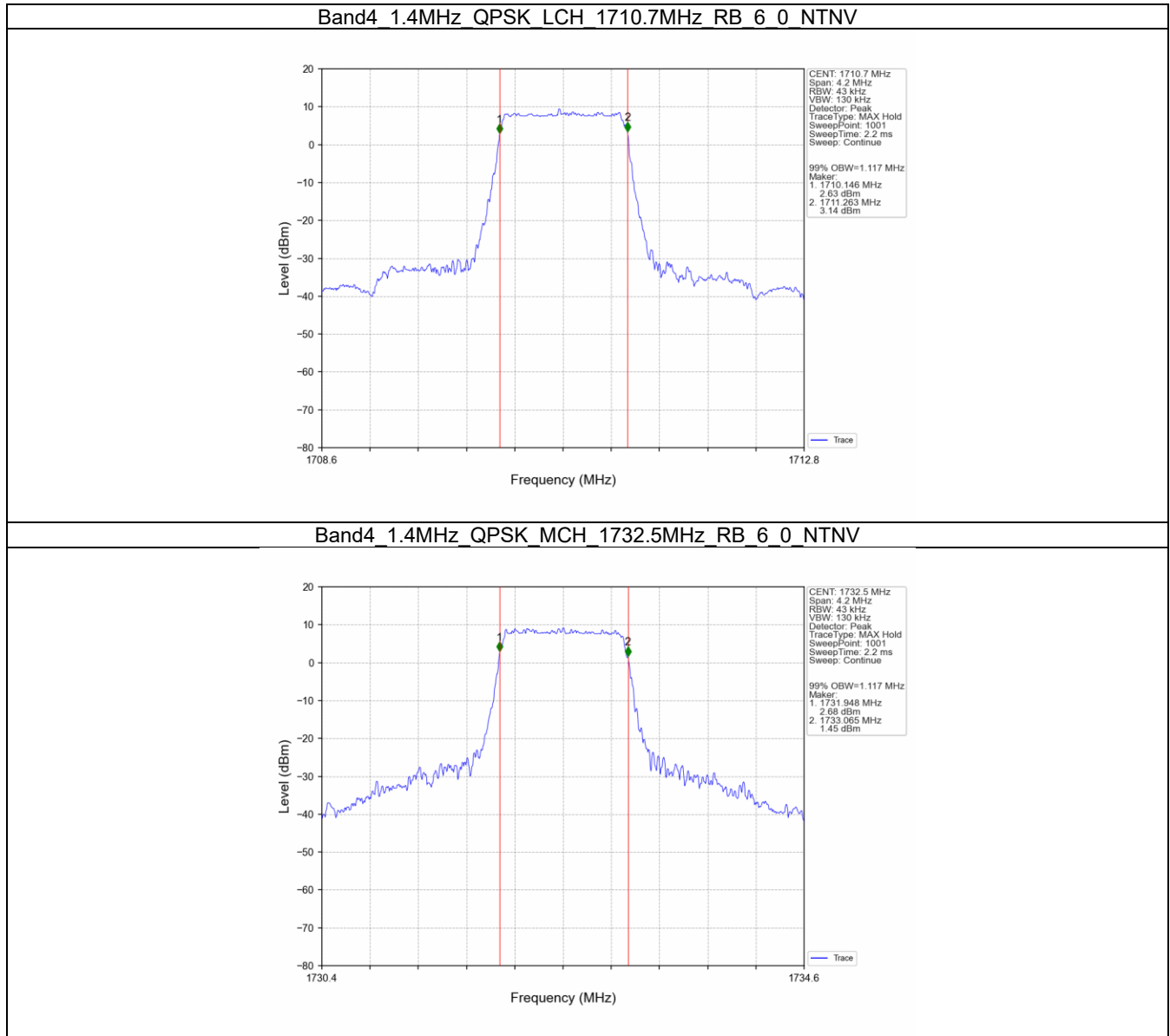
4.1.2 Band4_XDB

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	1.316	/	Pass
		1732.5	6	0	1.312	/	Pass
		1754.3	6	0	1.330	/	Pass
	16QAM	1710.7	6	0	1.336	/	Pass
		1732.5	6	0	1.313	/	Pass
		1754.3	6	0	1.348	/	Pass
3	QPSK	1711.5	15	0	3.016	/	Pass

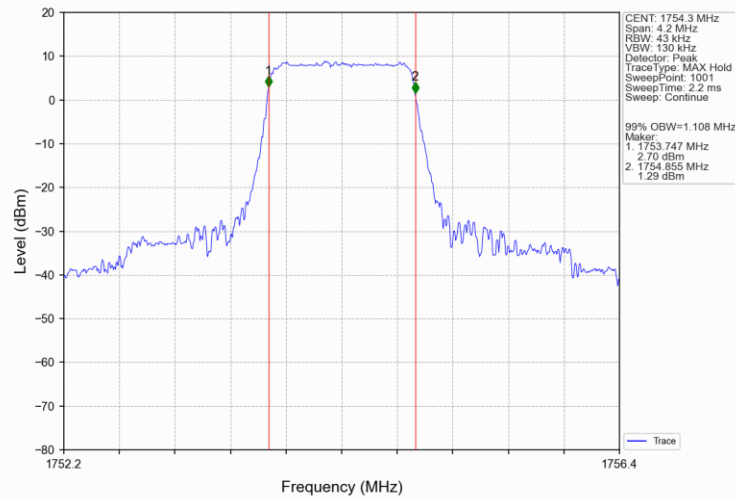
	16QAM	1732.5	15	0	3.015	/	Pass
		1753.5	15	0	3.018	/	Pass
		1711.5	15	0	3.026	/	Pass
		1732.5	15	0	3.010	/	Pass
		1753.5	15	0	3.036	/	Pass
5	QPSK	1712.5	25	0	5.064	/	Pass
		1732.5	25	0	5.098	/	Pass
		1752.5	25	0	5.084	/	Pass
	16QAM	1712.5	25	0	5.202	/	Pass
		1732.5	25	0	5.041	/	Pass
		1752.5	25	0	5.080	/	Pass
10	QPSK	1715	50	0	9.921	/	Pass
		1732.5	50	0	9.910	/	Pass
		1750	50	0	9.951	/	Pass
	16QAM	1715	27	0	6.202	/	Pass
		1732.5	27	0	6.016	/	Pass
		1750	27	23	6.017	/	Pass
15	QPSK	1717.5	75	0	14.977	/	Pass
		1732.5	75	0	14.840	/	Pass
		1747.5	75	0	15.094	/	Pass
	16QAM	1717.5	27	0	6.774	/	Pass
		1732.5	27	0	6.678	/	Pass
		1747.5	27	48	6.531	/	Pass
20	QPSK	1720	100	0	19.866	/	Pass
		1732.5	100	0	19.801	/	Pass
		1745	100	0	19.770	/	Pass
	16QAM	1720	27	0	6.999	/	Pass
		1732.5	27	0	6.795	/	Pass
		1745	27	73	6.924	/	Pass

4.2 Test Graph

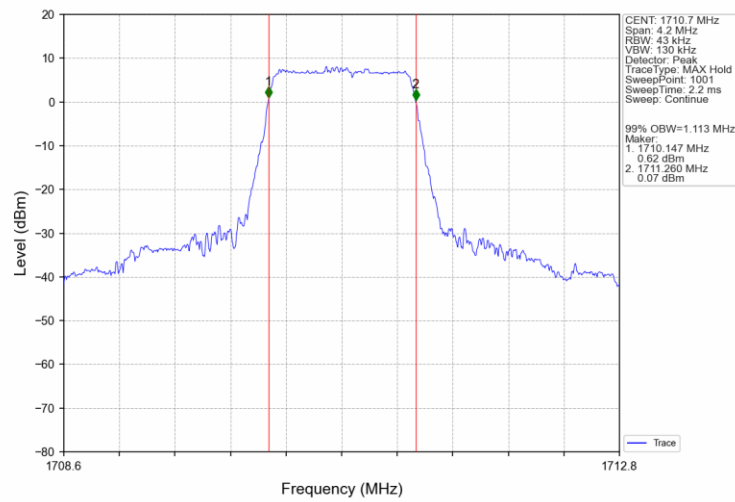
4.2.1 Band4_OBW



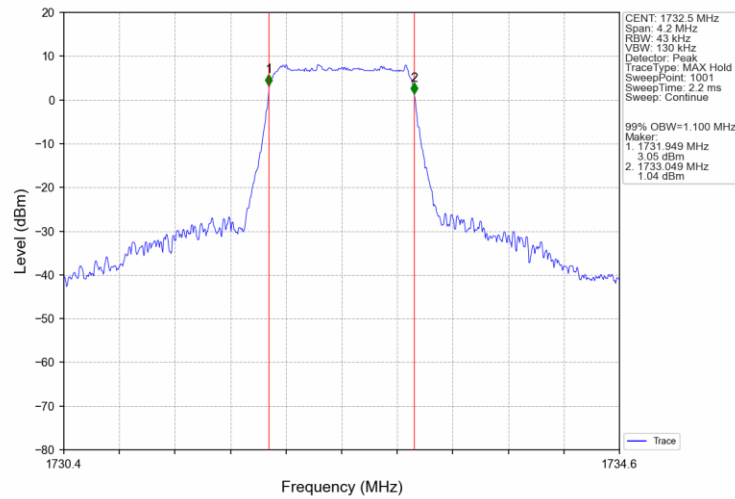
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



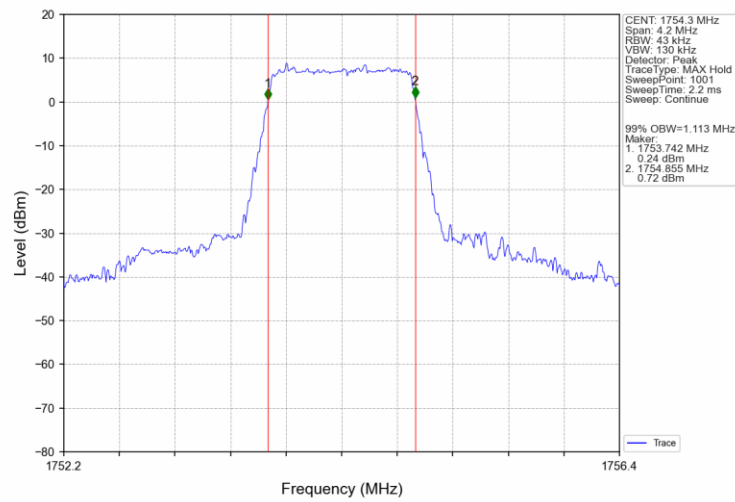
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



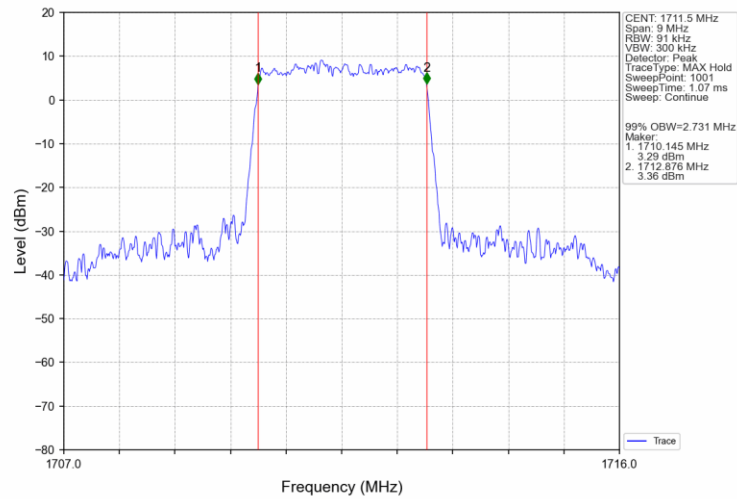
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



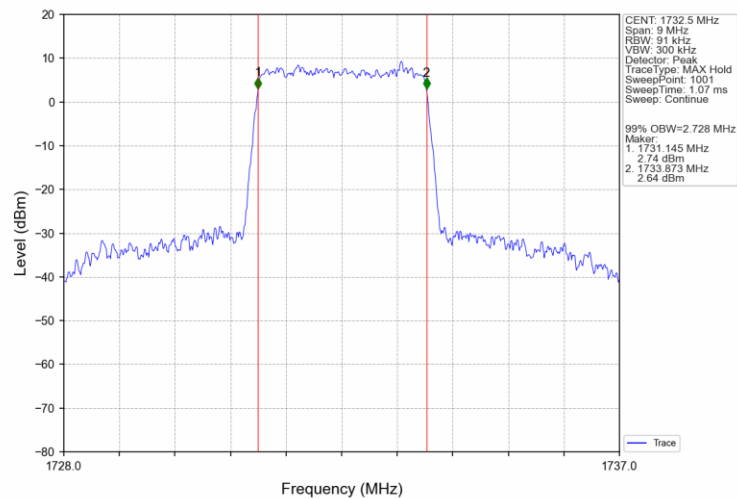
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



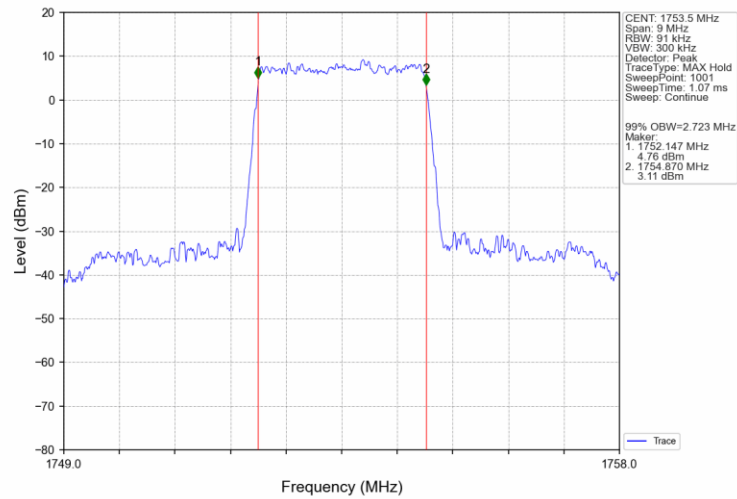
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTV



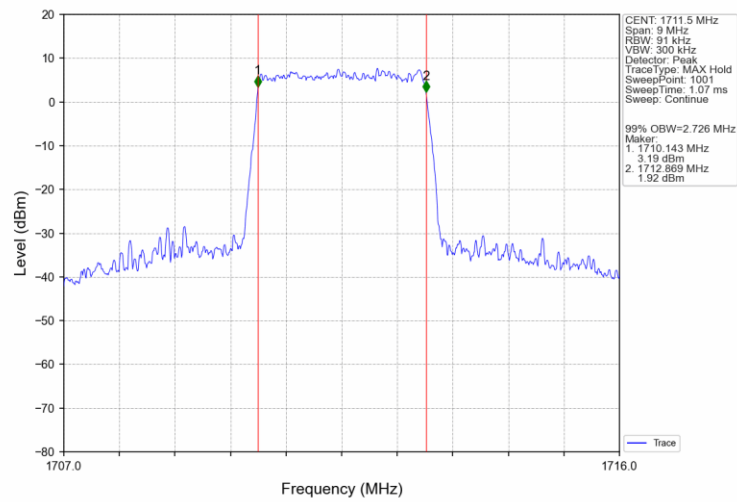
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTV



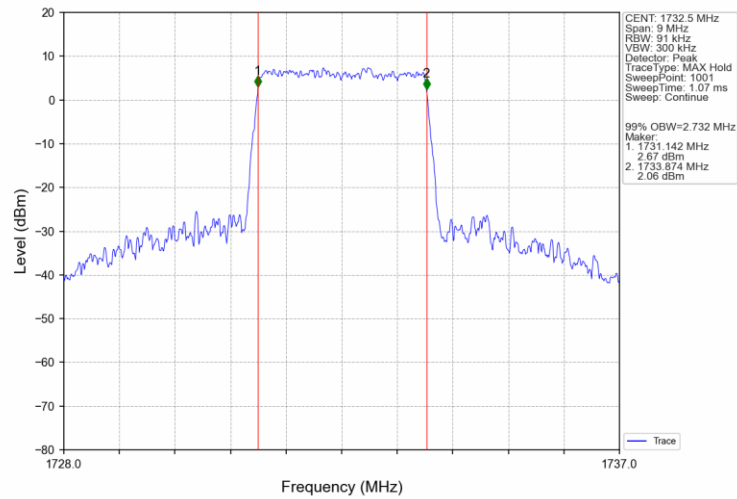
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



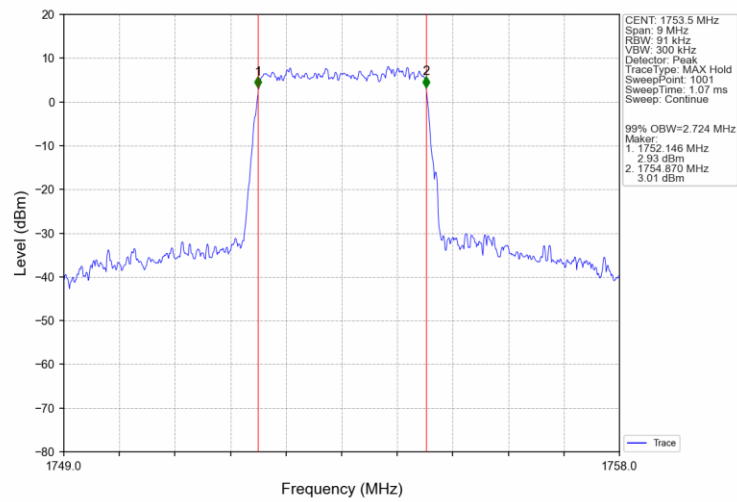
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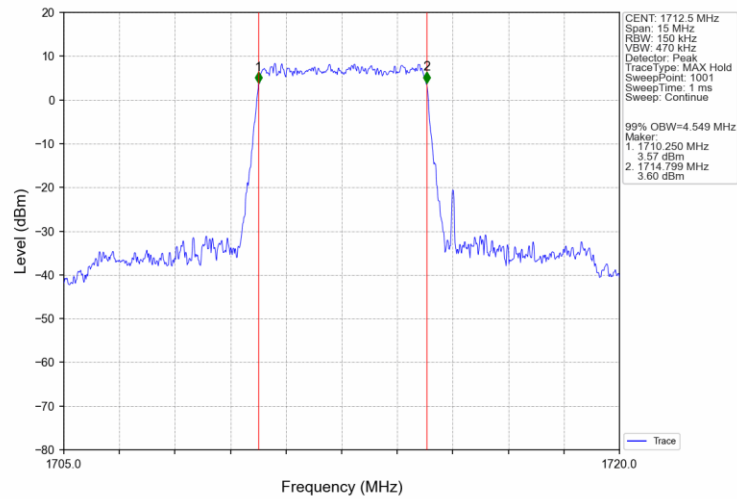
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



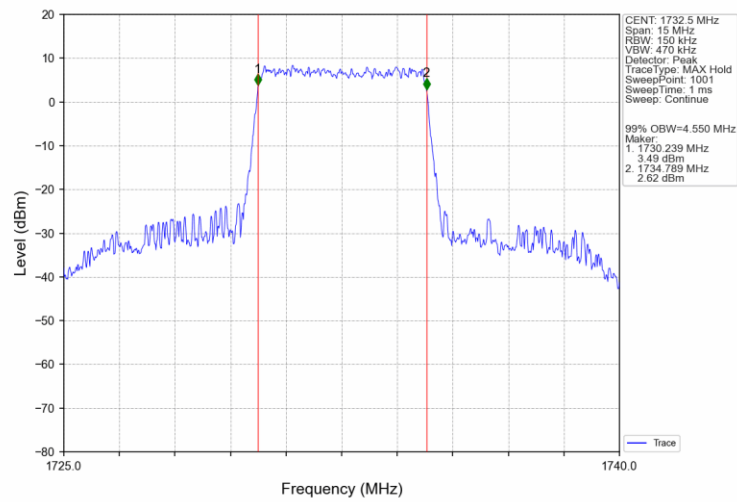
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



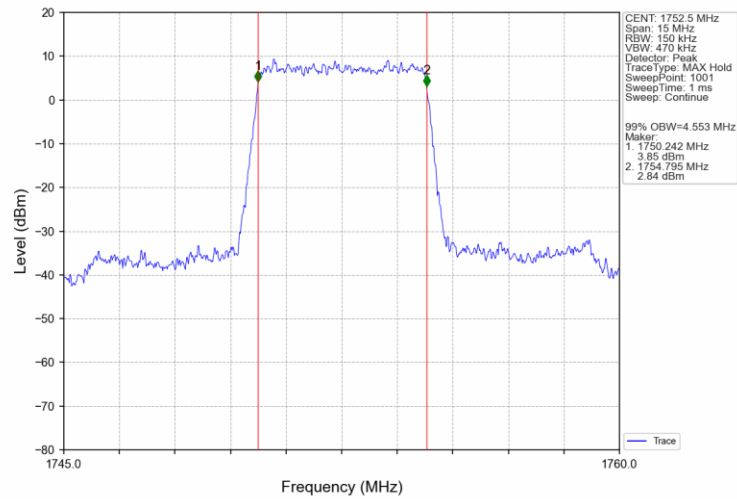
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTV



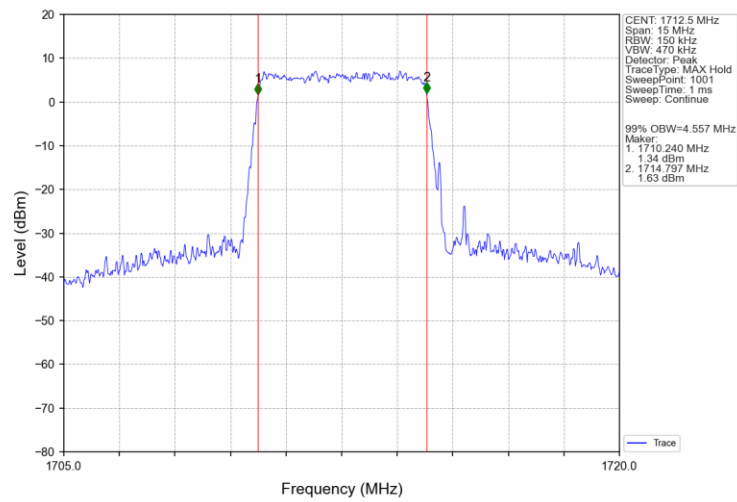
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTV



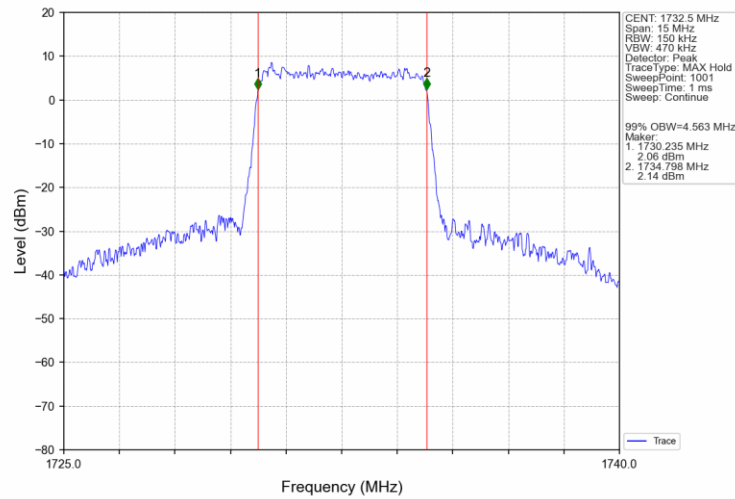
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



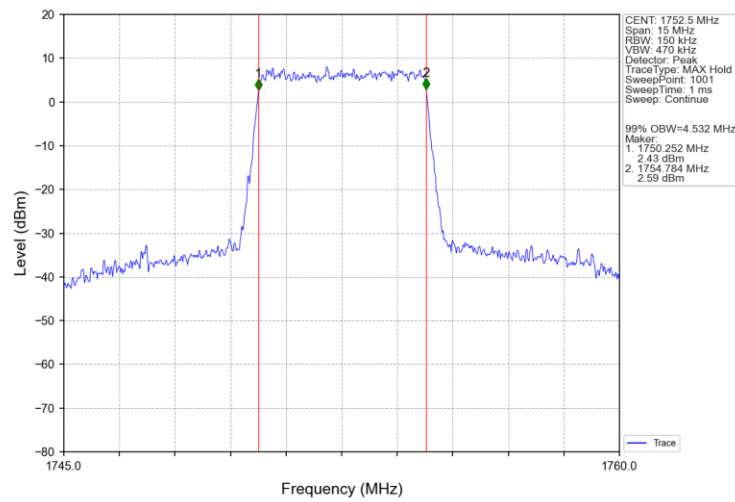
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



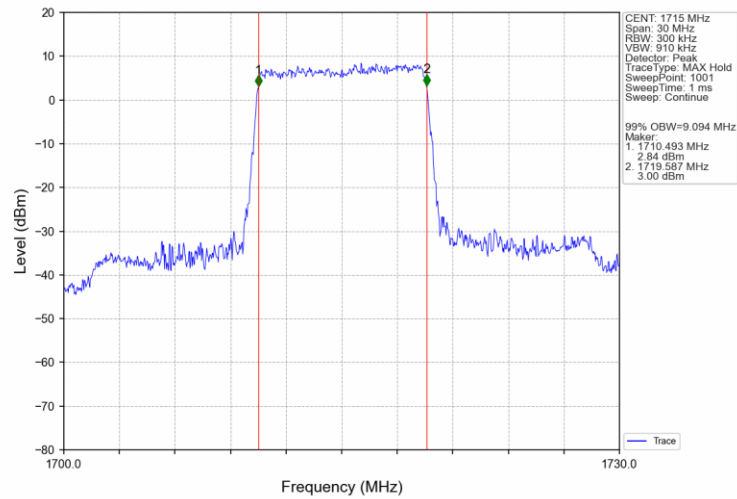
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



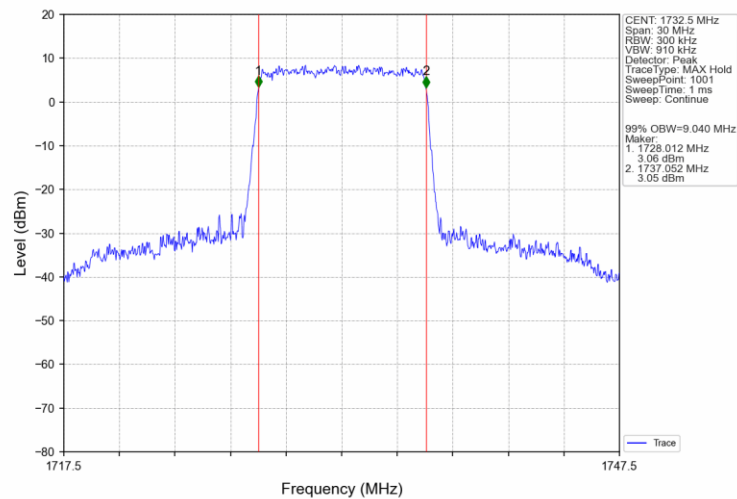
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



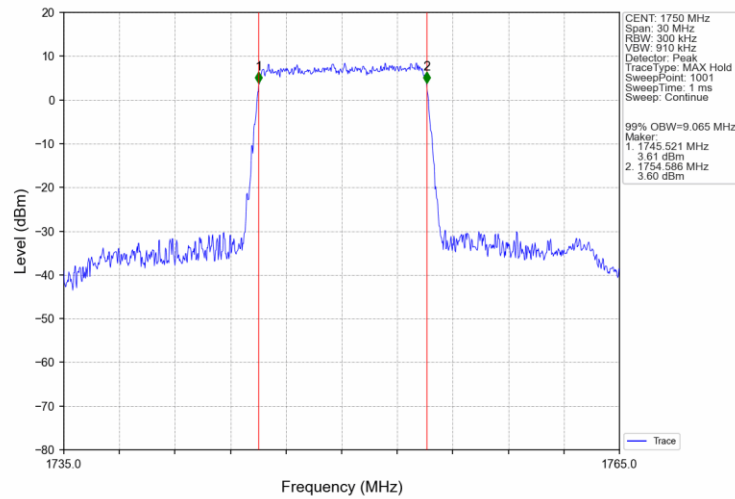
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



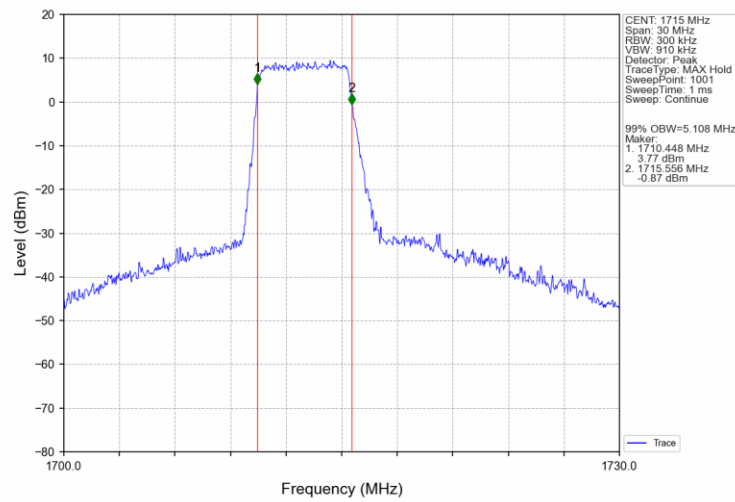
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



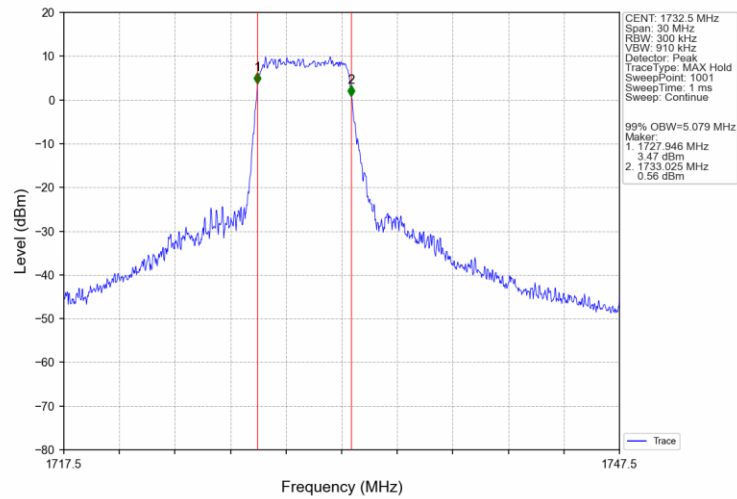
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



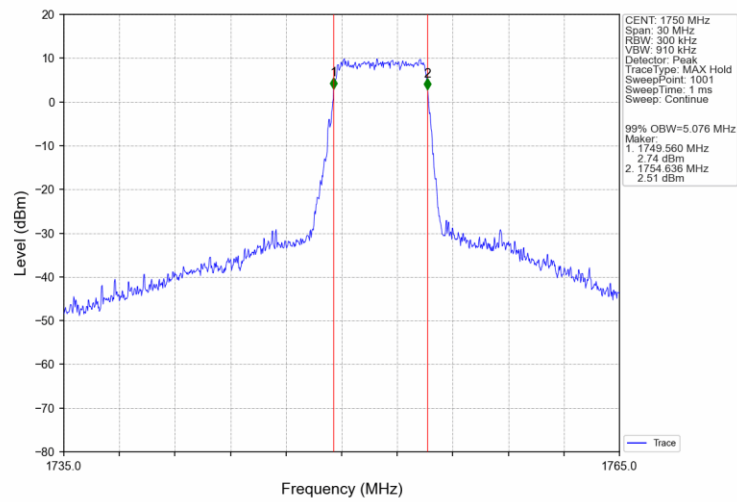
Band4 10MHz 16QAM LCH 1715MHz RB 27 0 NTN



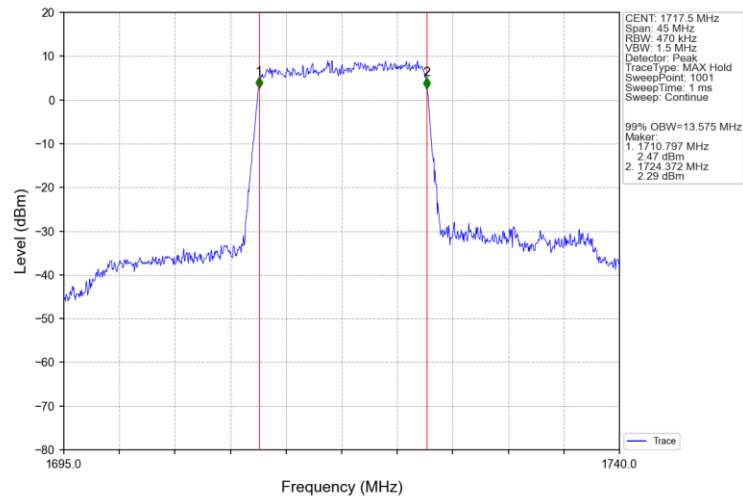
Band4 10MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



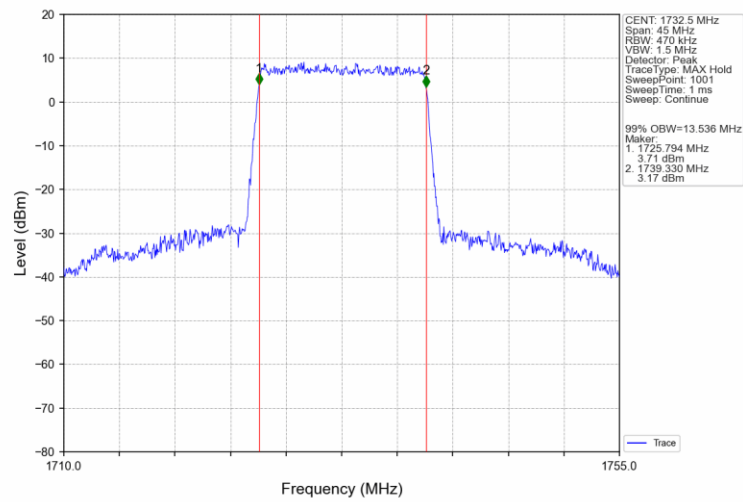
Band4 10MHz 16QAM HCH 1750MHz RB 27 23 NTNV



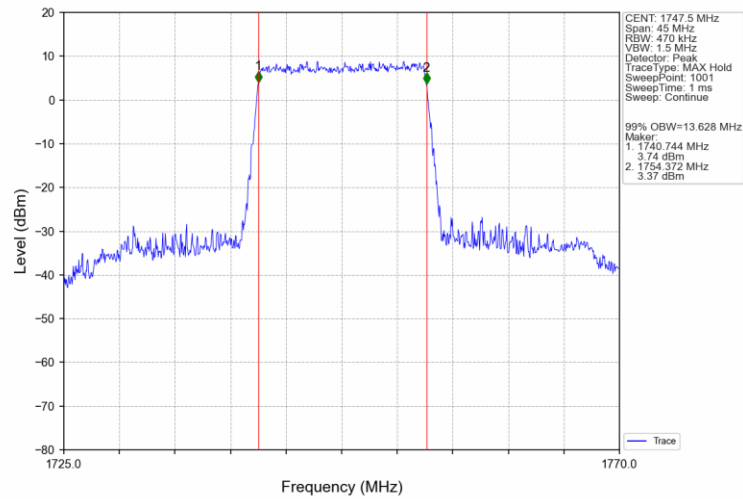
Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



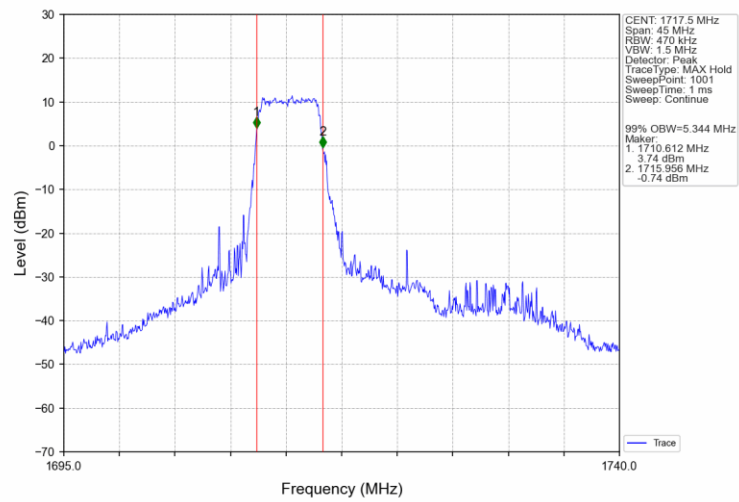
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



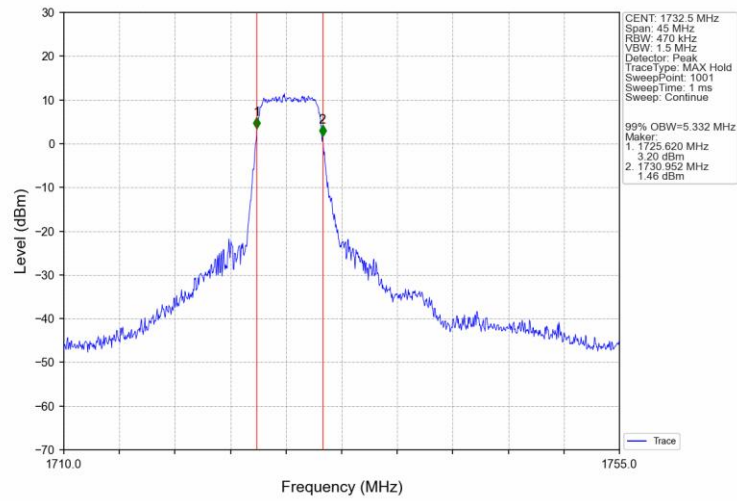
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



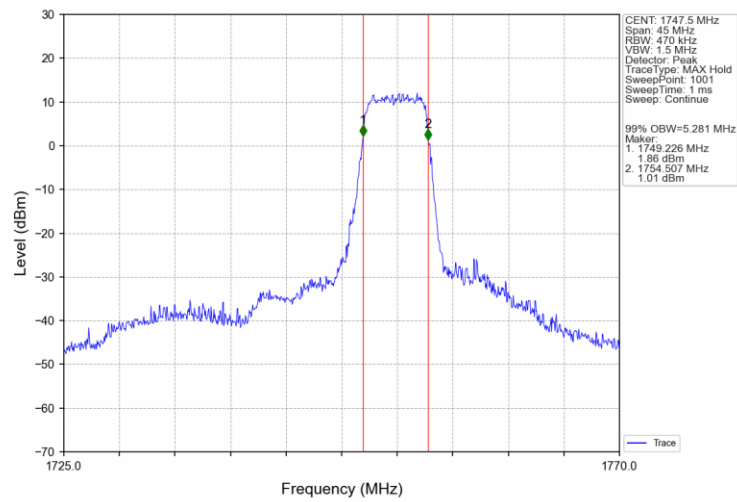
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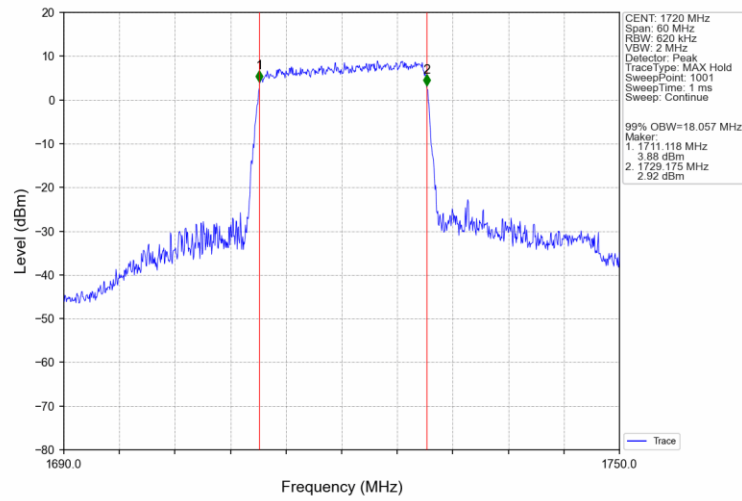
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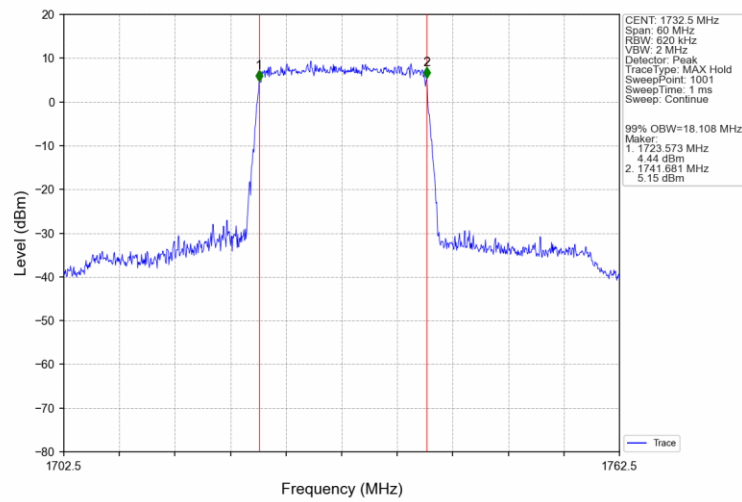
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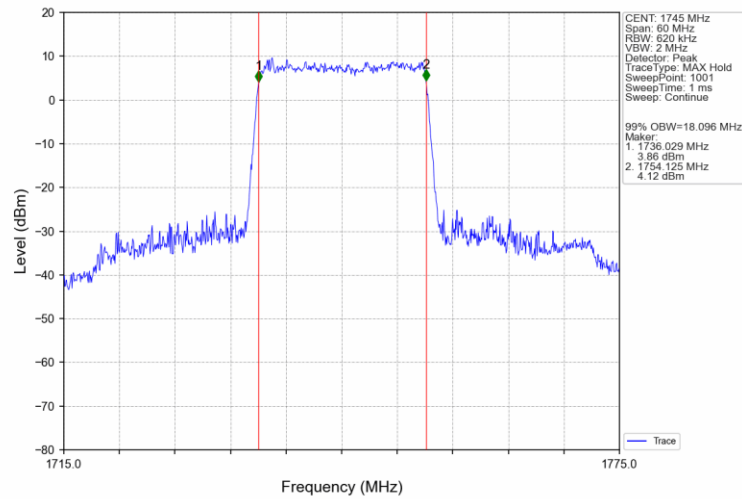
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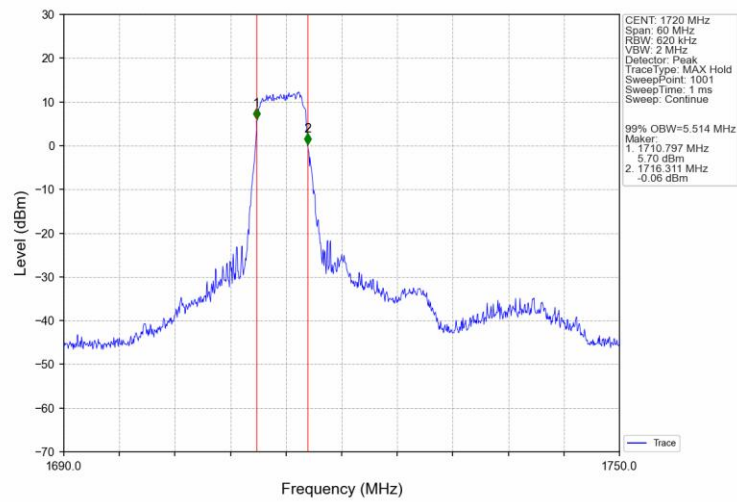
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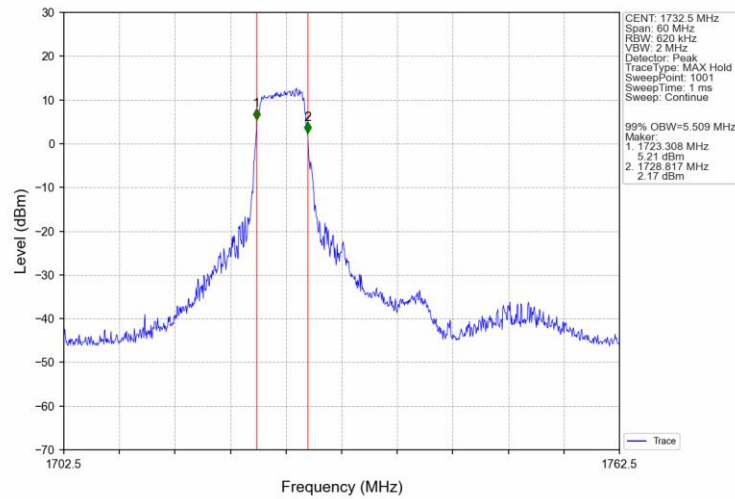
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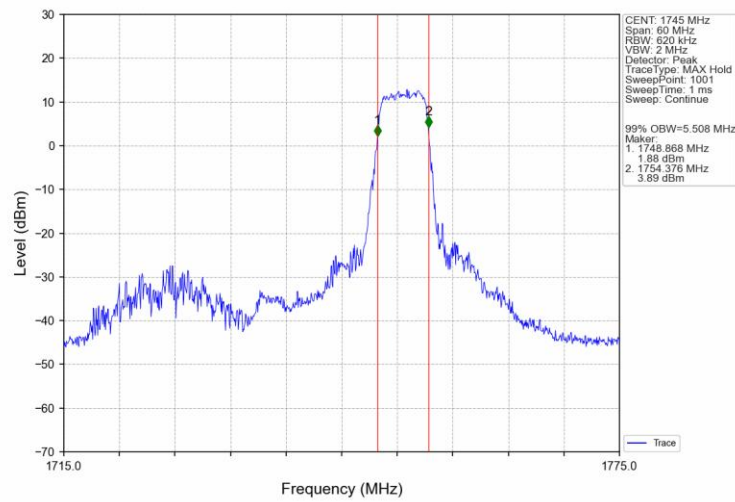
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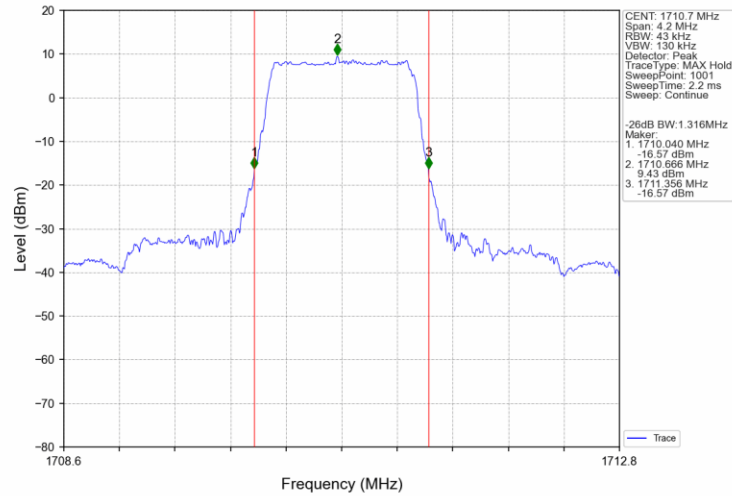


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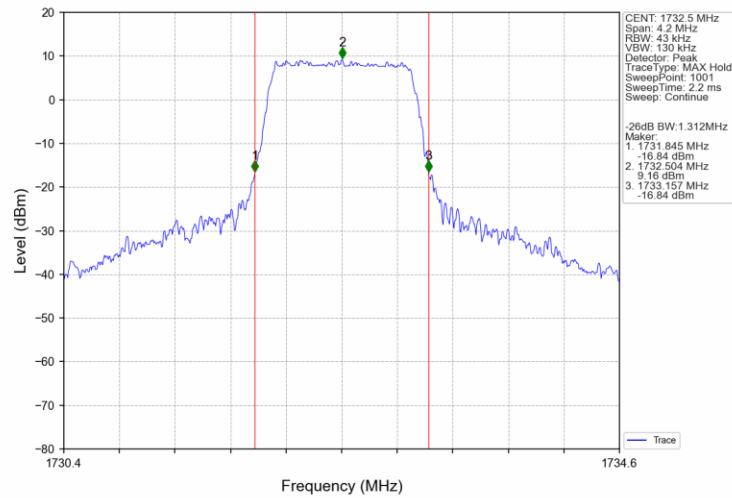


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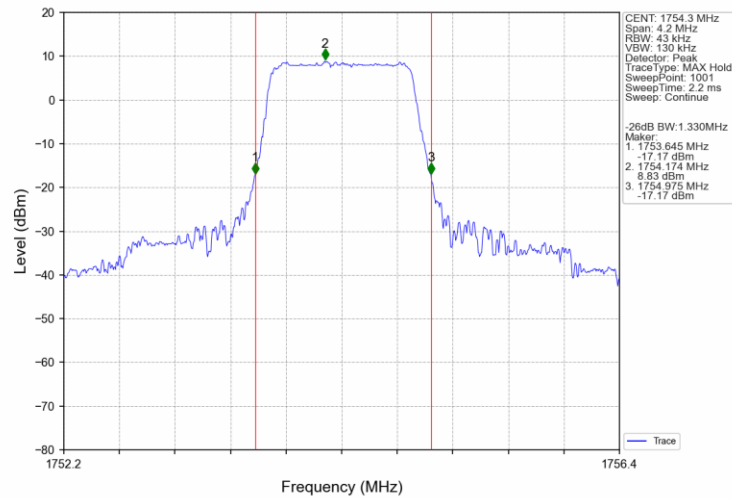
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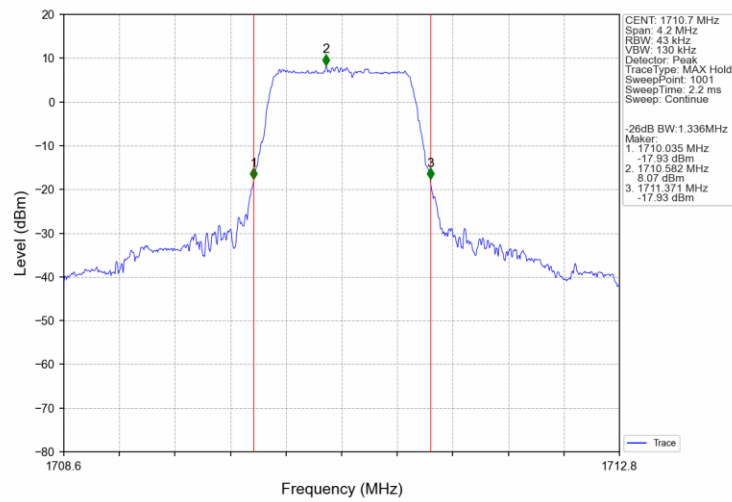
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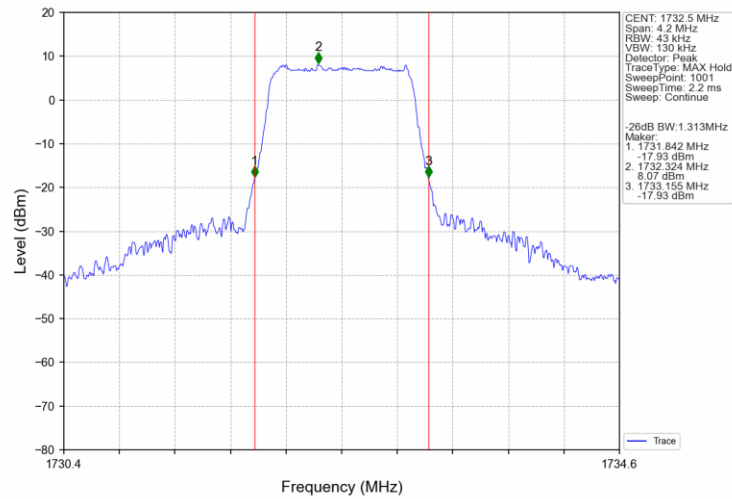
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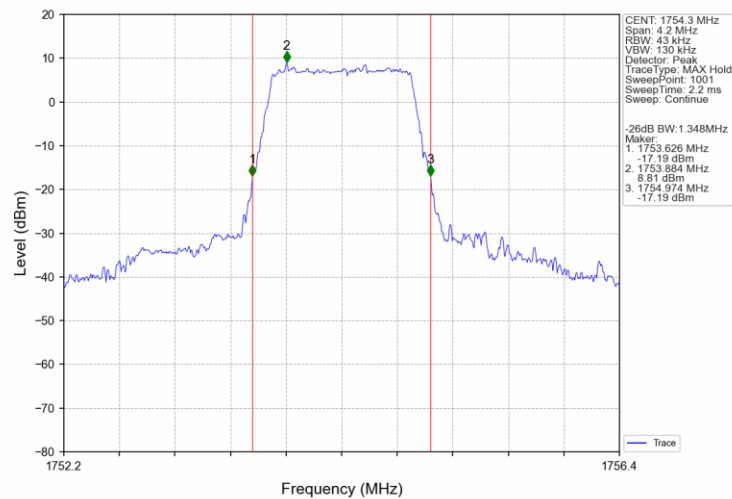
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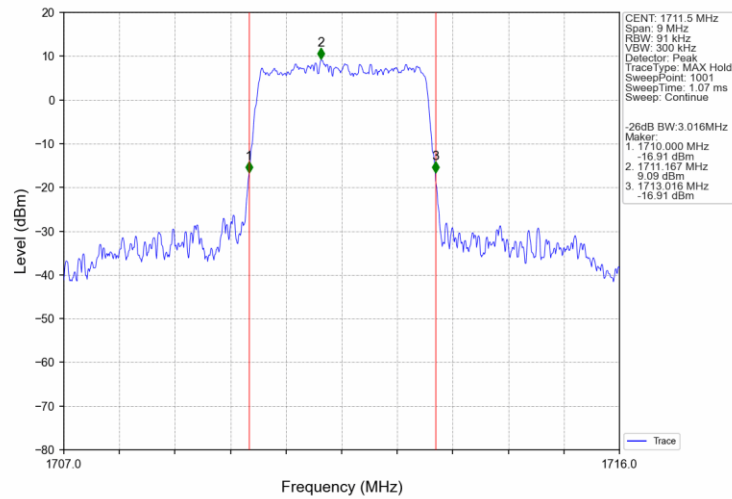
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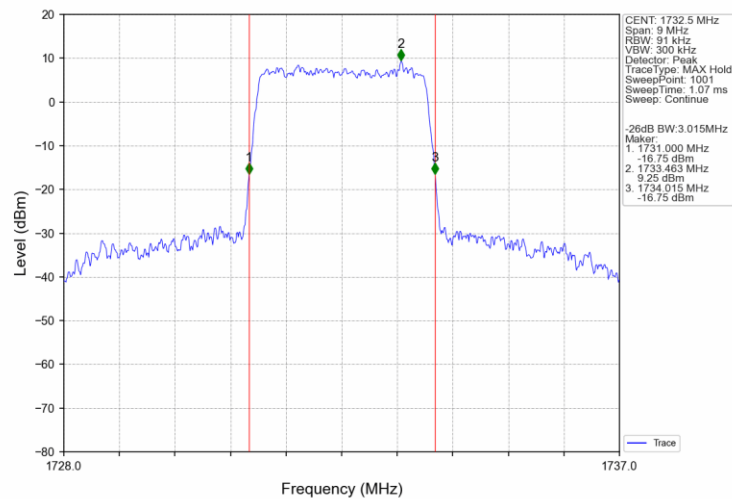
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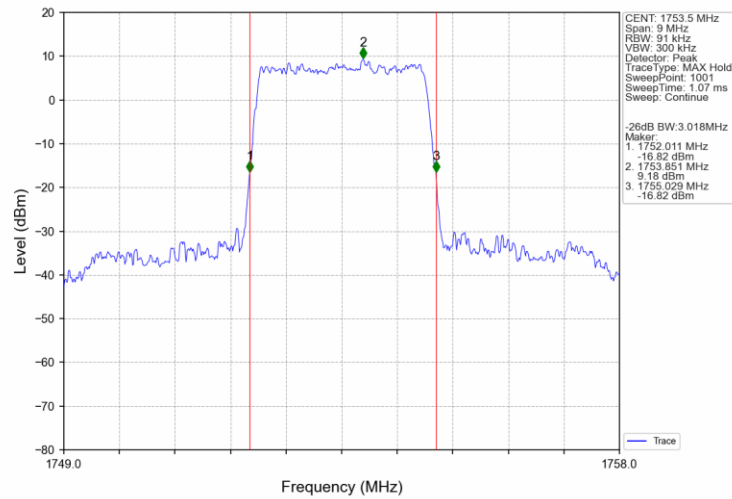
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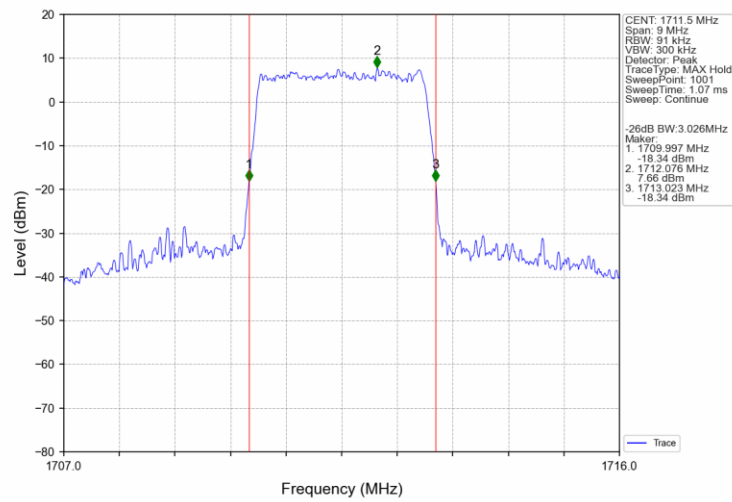
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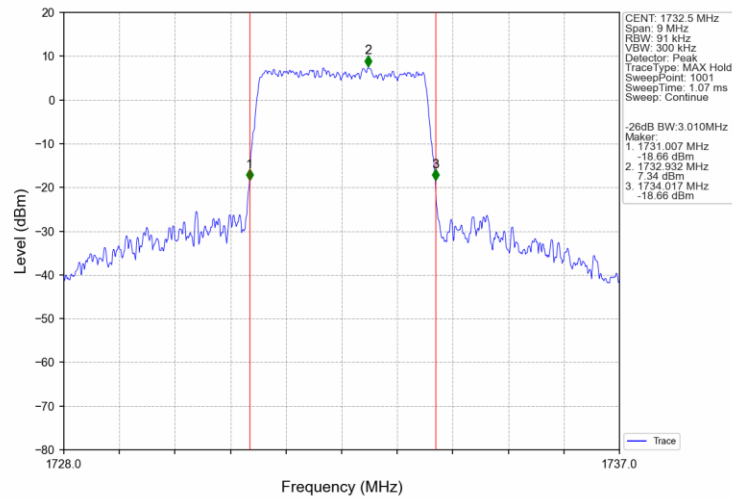
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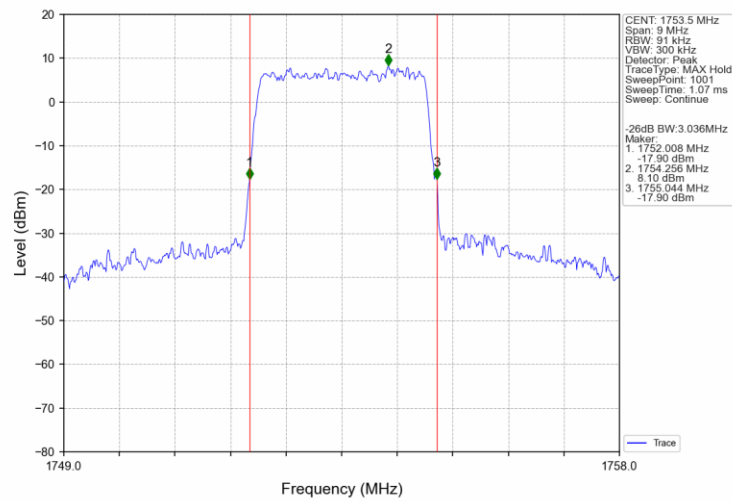
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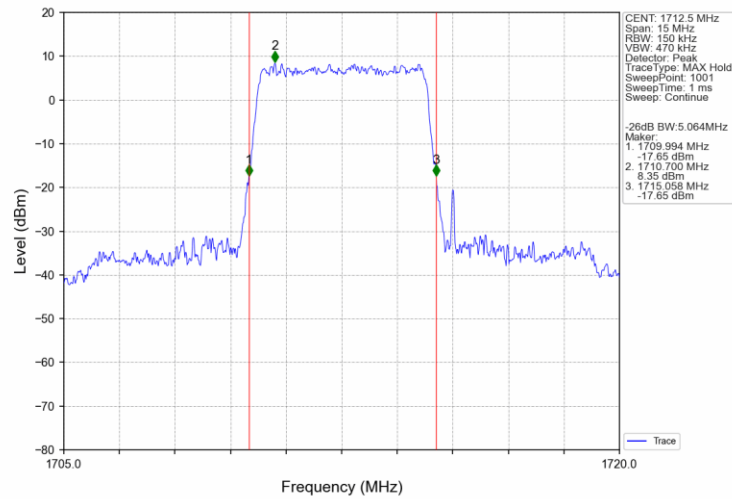
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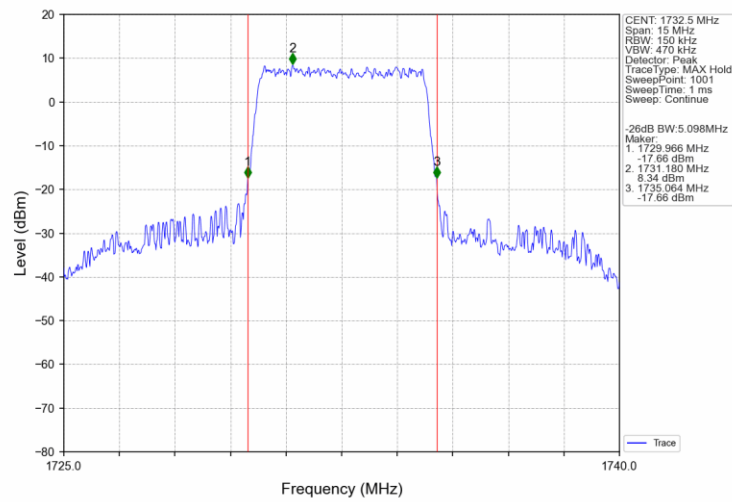
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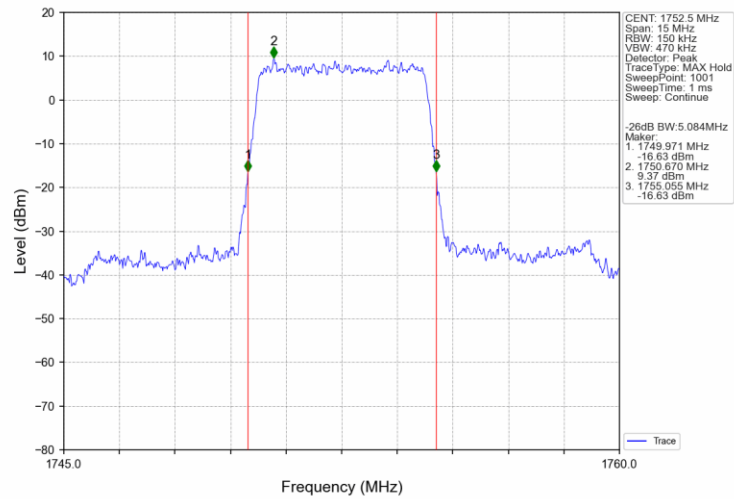
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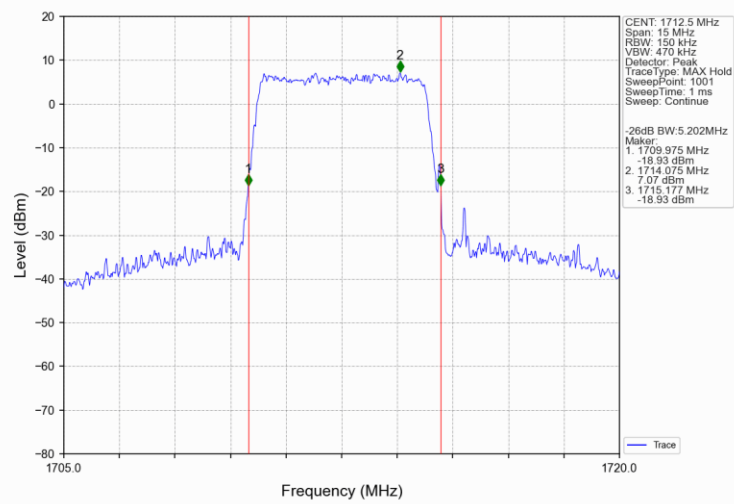
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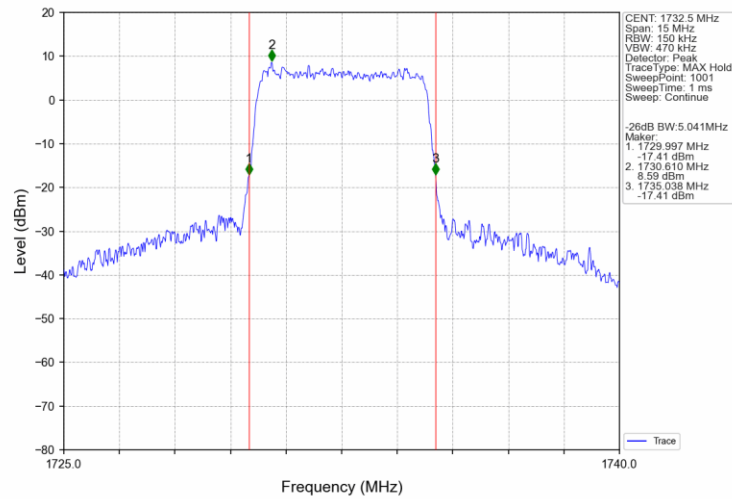
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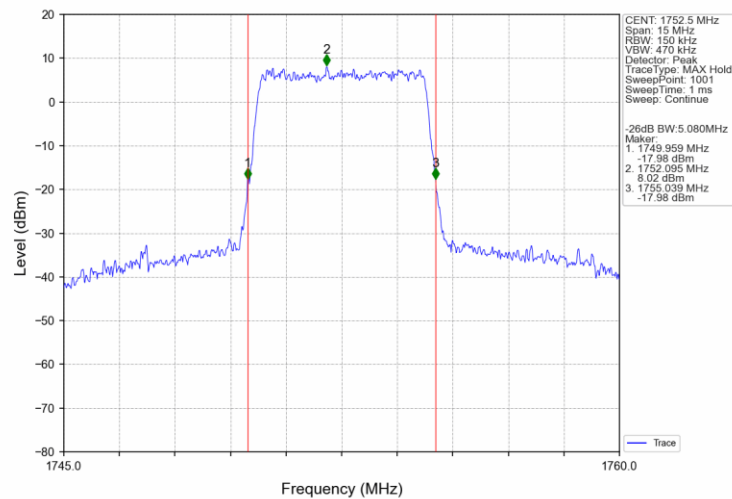
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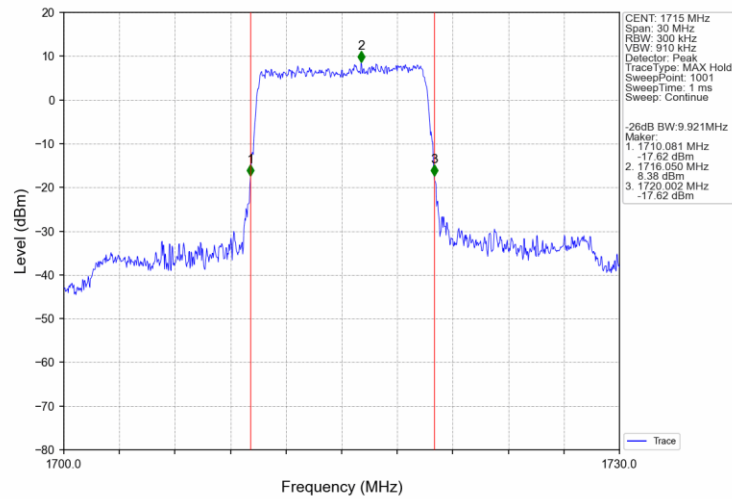
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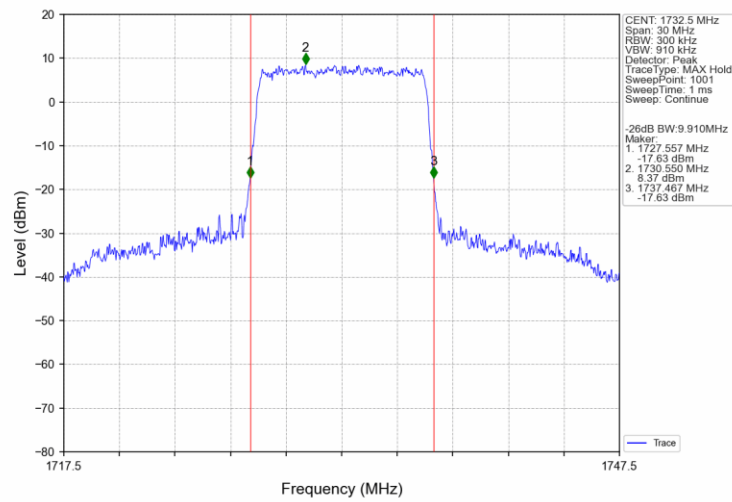
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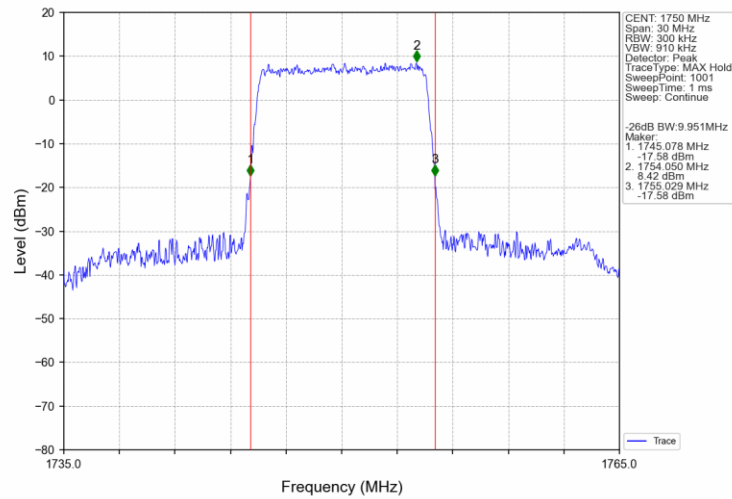
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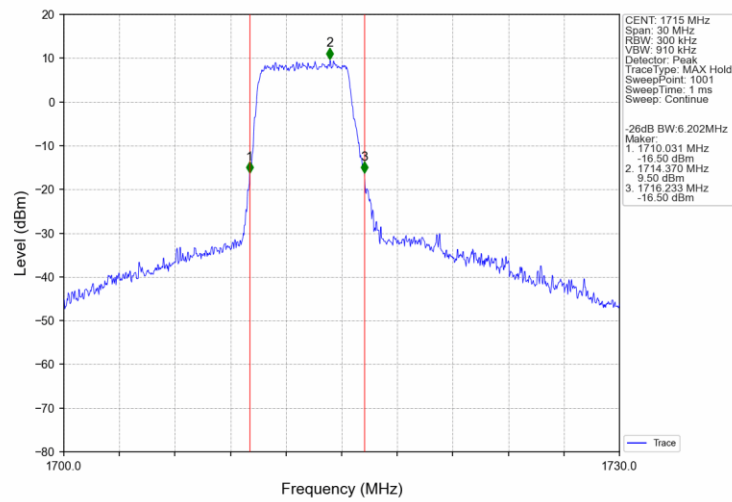
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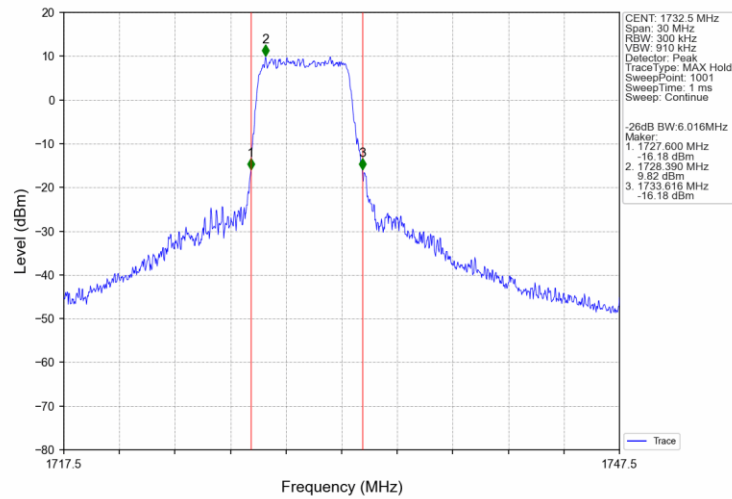
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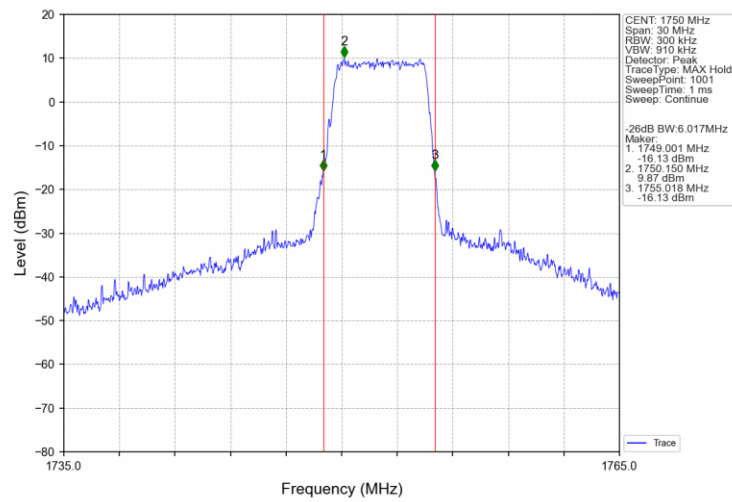
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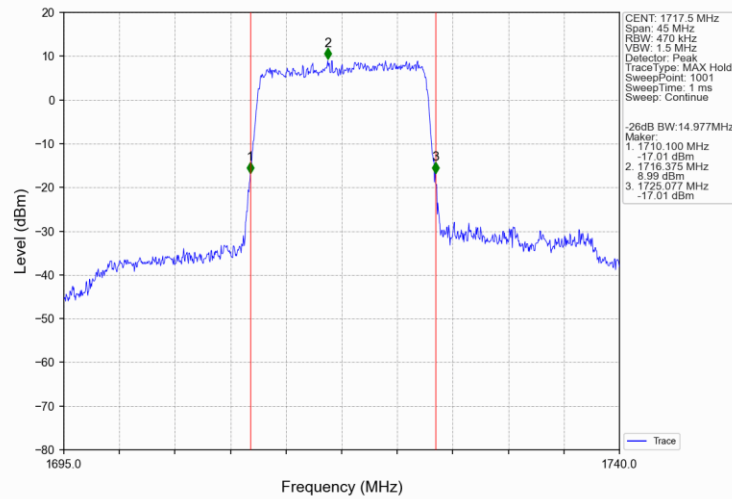
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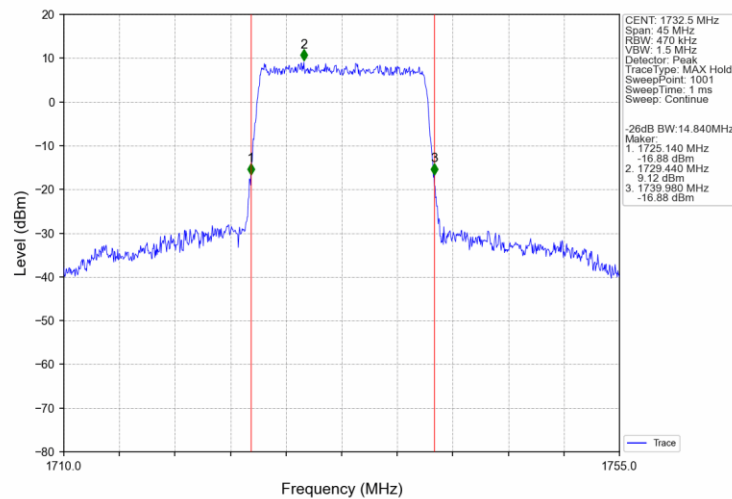
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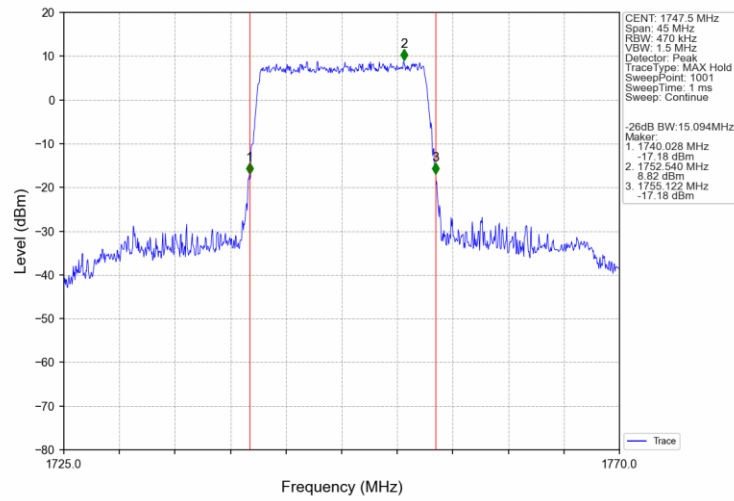
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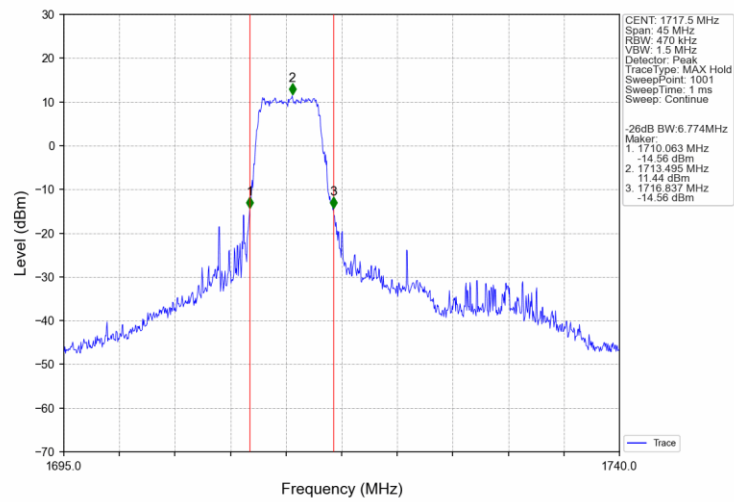
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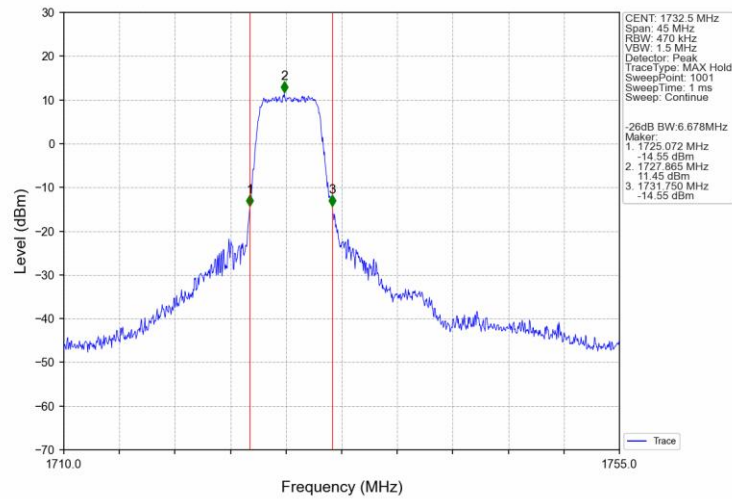
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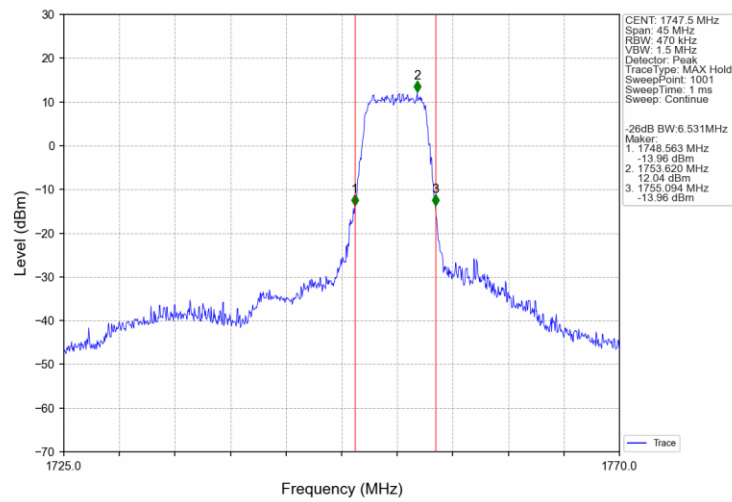
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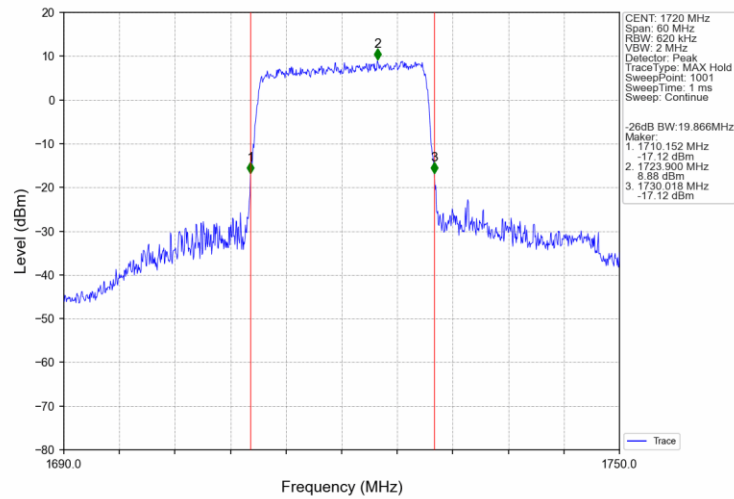
Band4 15MHz 16QAM MCH 1732.5MHz RB 27 0 NTN



Band4 15MHz 16QAM HCH 1747.5MHz RB 27 48 NTN



Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

