

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	22.17	2.78	24.95	<=30	Pass
			2	22.19	2.78	24.97	<=30	Pass
			5	22.19	2.78	24.97	<=30	Pass
		3	0	22.72	2.78	25.50	<=30	Pass
			2	22.73	2.78	25.51	<=30	Pass
			3	22.76	2.78	25.54	<=30	Pass
		6	0	21.70	2.78	24.48	<=30	Pass
	1732.5	1	0	22.26	2.78	25.04	<=30	Pass
			2	22.29	2.78	25.07	<=30	Pass
			5	22.29	2.78	25.07	<=30	Pass
		3	0	22.82	2.78	25.60	<=30	Pass
			2	22.82	2.78	25.60	<=30	Pass
			3	22.79	2.78	25.57	<=30	Pass
		6	0	21.90	2.78	24.68	<=30	Pass
	1754.3	1	0	22.09	2.78	24.87	<=30	Pass
			2	22.12	2.78	24.90	<=30	Pass
			5	22.07	2.78	24.85	<=30	Pass
		3	0	22.63	2.78	25.41	<=30	Pass
			2	22.63	2.78	25.41	<=30	Pass
			3	22.64	2.78	25.42	<=30	Pass
		6	0	21.60	2.78	24.38	<=30	Pass
16QAM	1710.7	1	0	21.23	2.78	24.01	<=30	Pass
			2	21.23	2.78	24.01	<=30	Pass
			5	21.27	2.78	24.05	<=30	Pass
		3	0	21.72	2.78	24.50	<=30	Pass
			2	21.72	2.78	24.50	<=30	Pass
			3	21.71	2.78	24.49	<=30	Pass
		6	0	20.63	2.78	23.41	<=30	Pass
	1732.5	1	0	21.53	2.78	24.31	<=30	Pass
			2	21.53	2.78	24.31	<=30	Pass
			5	21.54	2.78	24.32	<=30	Pass
		3	0	21.82	2.78	24.60	<=30	Pass
			2	21.78	2.78	24.56	<=30	Pass
			3	21.79	2.78	24.57	<=30	Pass
		6	0	20.90	2.78	23.68	<=30	Pass
	1754.3	1	0	21.13	2.78	23.91	<=30	Pass
			2	21.12	2.78	23.90	<=30	Pass
			5	21.15	2.78	23.93	<=30	Pass
		3	0	21.67	2.78	24.45	<=30	Pass
			2	21.65	2.78	24.43	<=30	Pass
			3	21.66	2.78	24.44	<=30	Pass
		6	0	20.51	2.78	23.29	<=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	22.18	2.78	24.96	<=30	Pass
			7	22.20	2.78	24.98	<=30	Pass
			14	22.20	2.78	24.98	<=30	Pass
		8	0	21.68	2.78	24.46	<=30	Pass
			4	21.67	2.78	24.45	<=30	Pass
			7	21.68	2.78	24.46	<=30	Pass
		15	0	21.68	2.78	24.46	<=30	Pass
	1732.5	1	0	22.23	2.78	25.01	<=30	Pass
			7	22.25	2.78	25.03	<=30	Pass
			14	22.24	2.78	25.02	<=30	Pass
		8	0	21.83	2.78	24.61	<=30	Pass
			4	21.77	2.78	24.55	<=30	Pass
			7	21.77	2.78	24.55	<=30	Pass
		15	0	21.81	2.78	24.59	<=30	Pass
	1753.5	1	0	22.07	2.78	24.85	<=30	Pass
			7	22.07	2.78	24.85	<=30	Pass
			14	22.00	2.78	24.78	<=30	Pass
		8	0	21.53	2.78	24.31	<=30	Pass
			4	21.50	2.78	24.28	<=30	Pass
			7	21.51	2.78	24.29	<=30	Pass
		15	0	21.54	2.78	24.32	<=30	Pass
16QAM	1711.5	1	0	21.23	2.78	24.01	<=30	Pass
			7	21.26	2.78	24.04	<=30	Pass
			14	21.22	2.78	24.00	<=30	Pass
		8	0	20.74	2.78	23.52	<=30	Pass
			4	20.76	2.78	23.54	<=30	Pass
			7	20.75	2.78	23.53	<=30	Pass
		15	0	20.73	2.78	23.51	<=30	Pass
	1732.5	1	0	21.51	2.78	24.29	<=30	Pass
			7	21.50	2.78	24.28	<=30	Pass
			14	21.49	2.78	24.27	<=30	Pass
		8	0	20.78	2.78	23.56	<=30	Pass
			4	20.75	2.78	23.53	<=30	Pass
			7	20.75	2.78	23.53	<=30	Pass
		15	0	20.72	2.78	23.50	<=30	Pass
	1753.5	1	0	21.66	2.78	24.44	<=30	Pass
			7	21.62	2.78	24.40	<=30	Pass
			14	21.57	2.78	24.35	<=30	Pass
		8	0	20.70	2.78	23.48	<=30	Pass
			4	20.70	2.78	23.48	<=30	Pass
			7	20.69	2.78	23.47	<=30	Pass
		15	0	20.61	2.78	23.39	<=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	22.30	2.78	25.08	<=30	Pass
			13	22.22	2.78	25.00	<=30	Pass
			24	22.28	2.78	25.06	<=30	Pass
		12	0	21.69	2.78	24.47	<=30	Pass
			6	21.71	2.78	24.49	<=30	Pass

			13	21.70	2.78	24.48	<=30	Pass
		25	0	21.72	2.78	24.50	<=30	Pass
	1732.5	1	0	22.34	2.78	25.12	<=30	Pass
			13	22.27	2.78	25.05	<=30	Pass
			24	22.36	2.78	25.14	<=30	Pass
		12	0	21.86	2.78	24.64	<=30	Pass
			6	21.83	2.78	24.61	<=30	Pass
			13	21.78	2.78	24.56	<=30	Pass
		25	0	21.84	2.78	24.62	<=30	Pass
	1752.5	1	0	22.26	2.78	25.04	<=30	Pass
			13	22.17	2.78	24.95	<=30	Pass
			24	22.22	2.78	25.00	<=30	Pass
		12	0	21.55	2.78	24.33	<=30	Pass
			6	21.56	2.78	24.34	<=30	Pass
			13	21.58	2.78	24.36	<=30	Pass
		25	0	21.57	2.78	24.35	<=30	Pass
16QAM	1712.5	1	0	21.37	2.78	24.15	<=30	Pass
			13	21.29	2.78	24.07	<=30	Pass
			24	21.37	2.78	24.15	<=30	Pass
		12	0	20.66	2.78	23.44	<=30	Pass
			6	20.67	2.78	23.45	<=30	Pass
			13	20.68	2.78	23.46	<=30	Pass
		25	0	20.74	2.78	23.52	<=30	Pass
	1732.5	1	0	21.66	2.78	24.44	<=30	Pass
			13	21.56	2.78	24.34	<=30	Pass
			24	21.64	2.78	24.42	<=30	Pass
		12	0	20.91	2.78	23.69	<=30	Pass
			6	20.84	2.78	23.62	<=30	Pass
			13	20.82	2.78	23.60	<=30	Pass
	25	0	20.86	2.78	23.64	<=30	Pass	
	1752.5	1	0	21.03	2.78	23.81	<=30	Pass
			13	20.94	2.78	23.72	<=30	Pass
			24	20.98	2.78	23.76	<=30	Pass
		12	0	20.56	2.78	23.34	<=30	Pass
			6	20.56	2.78	23.34	<=30	Pass
			13	20.56	2.78	23.34	<=30	Pass
		25	0	20.61	2.78	23.39	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

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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	22.19	2.78	24.97	<=30	Pass
			25	22.21	2.78	24.99	<=30	Pass
			49	22.28	2.78	25.06	<=30	Pass
		25	0	21.67	2.78	24.45	<=30	Pass
			13	21.74	2.78	24.52	<=30	Pass
			25	21.85	2.78	24.63	<=30	Pass
		50	0	21.79	2.78	24.57	<=30	Pass
	1732.5	1	0	22.28	2.78	25.06	<=30	Pass
			25	22.30	2.78	25.08	<=30	Pass
			49	22.28	2.78	25.06	<=30	Pass
		25	0	21.83	2.78	24.61	<=30	Pass
			13	21.84	2.78	24.62	<=30	Pass
			25	21.77	2.78	24.55	<=30	Pass
		50	0	21.82	2.78	24.60	<=30	Pass

16QAM	1750	1	0	22.11	2.78	24.89	<=30	Pass
			25	22.04	2.78	24.82	<=30	Pass
			49	22.04	2.78	24.82	<=30	Pass
		25	0	21.54	2.78	24.32	<=30	Pass
			13	21.57	2.78	24.35	<=30	Pass
			25	21.62	2.78	24.40	<=30	Pass
		50	0	21.61	2.78	24.39	<=30	Pass
	1715	1	0	21.23	2.78	24.01	<=30	Pass
			25	21.21	2.78	23.99	<=30	Pass
			49	21.33	2.78	23.11	<=30	Pass
		25	0	20.76	2.78	23.54	<=30	Pass
			13	20.82	2.78	23.60	<=30	Pass
			25	20.93	2.78	23.71	<=30	Pass
		50	0	20.79	2.78	23.57	<=30	Pass
	1732.5	1	0	21.52	2.78	24.30	<=30	Pass
			25	21.51	2.78	24.29	<=30	Pass
			49	21.50	2.78	24.28	<=30	Pass
		25	0	20.88	2.78	23.66	<=30	Pass
			13	20.87	2.78	23.65	<=30	Pass
			25	20.78	2.78	23.56	<=30	Pass
		50	0	20.81	2.78	23.59	<=30	Pass
	1750	1	0	21.72	2.78	24.50	<=30	Pass
			25	21.61	2.78	24.39	<=30	Pass
			49	21.57	2.78	24.35	<=30	Pass
		25	0	20.61	2.78	23.39	<=30	Pass
			13	20.62	2.78	23.40	<=30	Pass
			25	20.67	2.78	23.45	<=30	Pass
		50	0	20.63	2.78	23.41	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

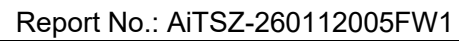
Band: 4 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.07	2.78	24.85	<=30	Pass
			38	22.14	2.78	24.92	<=30	Pass
			74	22.14	2.78	24.92	<=30	Pass
		36	0	21.60	2.78	24.38	<=30	Pass
			18	21.68	2.78	24.46	<=30	Pass
			39	21.80	2.78	24.58	<=30	Pass
		75	0	21.73	2.78	24.51	<=30	Pass
	1732.5	1	0	22.18	2.78	24.96	<=30	Pass
			38	22.30	2.78	25.08	<=30	Pass
			74	22.18	2.78	24.96	<=30	Pass
		36	0	21.75	2.78	24.53	<=30	Pass
			18	21.78	2.78	24.56	<=30	Pass
			39	21.75	2.78	24.53	<=30	Pass
		75	0	21.77	2.78	24.55	<=30	Pass
	1747.5	1	0	22.09	2.78	24.87	<=30	Pass
			38	22.10	2.78	24.88	<=30	Pass
			74	21.95	2.78	24.73	<=30	Pass
		36	0	21.59	2.78	24.37	<=30	Pass
			18	21.58	2.78	24.36	<=30	Pass
			39	21.61	2.78	24.39	<=30	Pass
		75	0	21.60	2.78	24.38	<=30	Pass
16QAM	1717.5	1	0	21.52	2.78	24.30	<=30	Pass
			38	21.58	2.78	24.36	<=30	Pass

		36	74	21.61	2.78	24.39	<=30	Pass
			0	20.57	2.78	23.35	<=30	Pass
			18	20.65	2.78	23.43	<=30	Pass
			39	20.78	2.78	23.56	<=30	Pass
		75	0	20.75	2.78	23.53	<=30	Pass
	1732.5	1	0	21.40	2.78	24.18	<=30	Pass
			38	21.49	2.78	24.27	<=30	Pass
			74	21.39	2.78	24.17	<=30	Pass
		36	0	20.80	2.78	23.58	<=30	Pass
			18	20.80	2.78	23.58	<=30	Pass
			39	20.76	2.78	23.54	<=30	Pass
		75	0	20.76	2.78	23.54	<=30	Pass
	1747.5	1	0	21.69	2.78	24.47	<=30	Pass
			38	21.70	2.78	24.48	<=30	Pass
			74	21.54	2.78	24.32	<=30	Pass
		36	0	20.66	2.78	23.44	<=30	Pass
			18	20.61	2.78	23.39	<=30	Pass
			39	20.63	2.78	23.41	<=30	Pass
		75	0	20.61	2.78	23.39	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	22.08	2.78	24.86	<=30	Pass
			50	22.19	2.78	24.97	<=30	Pass
			99	22.19	2.78	24.97	<=30	Pass
		50	0	21.55	2.78	24.33	<=30	Pass
			25	21.77	2.78	24.55	<=30	Pass
			50	21.91	2.78	24.69	<=30	Pass
		100	0	21.77	2.78	24.55	<=30	Pass
	1732.5	1	0	22.20	2.78	24.98	<=30	Pass
			50	22.32	2.78	25.10	<=30	Pass
			99	22.15	2.78	24.93	<=30	Pass
		50	0	21.72	2.78	24.50	<=30	Pass
			25	21.79	2.78	24.57	<=30	Pass
			50	21.71	2.78	24.49	<=30	Pass
		100	0	21.69	2.78	24.47	<=30	Pass
	1745	1	0	22.20	2.78	24.98	<=30	Pass
			50	22.20	2.78	24.98	<=30	Pass
			99	21.96	2.78	24.74	<=30	Pass
		50	0	21.71	2.78	24.49	<=30	Pass
			25	21.68	2.78	24.46	<=30	Pass
			50	21.68	2.78	24.46	<=30	Pass
		100	0	21.67	2.78	24.45	<=30	Pass
16QAM	1720	1	0	21.68	2.78	24.46	<=30	Pass
			50	21.81	2.78	24.59	<=30	Pass
			99	21.84	2.78	24.62	<=30	Pass
		50	0	20.50	2.78	23.28	<=30	Pass
			25	20.75	2.78	23.53	<=30	Pass
			50	20.92	2.78	23.70	<=30	Pass
		100	0	20.75	2.78	23.53	<=30	Pass
	1732.5	1	0	21.45	2.78	24.23	<=30	Pass
			50	21.55	2.78	24.33	<=30	Pass
			99	21.39	2.78	24.17	<=30	Pass
		50	0	20.71	2.78	23.49	<=30	Pass



			25	20.78	2.78	23.56	<=30	Pass
			50	20.70	2.78	23.48	<=30	Pass
		100	0	20.69	2.78	23.47	<=30	Pass
	1745	1	0	21.52	2.78	24.30	<=30	Pass
			50	21.47	2.78	24.25	<=30	Pass
			99	21.30	2.78	24.08	<=30	Pass
		50	0	20.70	2.78	23.48	<=30	Pass
			25	20.66	2.78	23.44	<=30	Pass
			50	20.66	2.78	23.44	<=30	Pass
		100	0	20.68	2.78	23.46	<=30	Pass
		Note1: EIRP=Conducted Power+Antenna Gain						

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.15	1.044	0.0006	-2.5 to 2.5	Pass
					3.70	7.839	0.0046	-2.5 to 2.5	Pass
					4.30	-2.275	-0.0013	-2.5 to 2.5	Pass
				-30	3.70	4.692	0.0027	-2.5 to 2.5	Pass
				-20	3.70	3.533	0.0021	-2.5 to 2.5	Pass
				-10	3.70	2.060	0.0012	-2.5 to 2.5	Pass
				0	3.70	-5.636	-0.0033	-2.5 to 2.5	Pass
				10	3.70	7.324	0.0043	-2.5 to 2.5	Pass
				30	3.70	-5.207	-0.0030	-2.5 to 2.5	Pass
				40	3.70	8.769	0.0051	-2.5 to 2.5	Pass
				50	3.70	-4.177	-0.0024	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.15	8.397	0.0048	-2.5 to 2.5	Pass
					3.70	3.076	0.0018	-2.5 to 2.5	Pass
					4.30	1.101	0.0006	-2.5 to 2.5	Pass
				-30	3.70	-1.416	-0.0008	-2.5 to 2.5	Pass
				-20	3.70	6.766	0.0039	-2.5 to 2.5	Pass
				-10	3.70	-4.206	-0.0024	-2.5 to 2.5	Pass
				0	3.70	-1.259	-0.0007	-2.5 to 2.5	Pass
				10	3.70	-5.178	-0.0030	-2.5 to 2.5	Pass
				30	3.70	2.275	0.0013	-2.5 to 2.5	Pass
				40	3.70	-1.202	-0.0007	-2.5 to 2.5	Pass
				50	3.70	-4.578	-0.0026	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.15	6.709	0.0038	-2.5 to 2.5	Pass
					3.70	-1.860	-0.0011	-2.5 to 2.5	Pass
					4.30	8.540	0.0049	-2.5 to 2.5	Pass
				-30	3.70	-6.180	-0.0035	-2.5 to 2.5	Pass
				-20	3.70	0.687	0.0004	-2.5 to 2.5	Pass
				-10	3.70	7.682	0.0044	-2.5 to 2.5	Pass
				0	3.70	10.042	0.0057	-2.5 to 2.5	Pass
				10	3.70	-5.693	-0.0032	-2.5 to 2.5	Pass
				30	3.70	6.609	0.0038	-2.5 to 2.5	Pass
				40	3.70	3.977	0.0023	-2.5 to 2.5	Pass
				50	3.70	0.515	0.0003	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.15	-3.676	-0.0021	-2.5 to 2.5	Pass
					3.70	3.476	0.0020	-2.5 to 2.5	Pass
					4.30	3.834	0.0022	-2.5 to 2.5	Pass
				-30	3.70	-6.509	-0.0038	-2.5 to 2.5	Pass
				-20	3.70	-0.987	-0.0006	-2.5 to 2.5	Pass
				-10	3.70	1.216	0.0007	-2.5 to 2.5	Pass
				0	3.70	11.802	0.0069	-2.5 to 2.5	Pass
				10	3.70	-1.817	-0.0011	-2.5 to 2.5	Pass
				30	3.70	4.420	0.0026	-2.5 to 2.5	Pass
				40	3.70	6.537	0.0038	-2.5 to 2.5	Pass
				50	3.70	8.225	0.0048	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.15	4.878	0.0028	-2.5 to 2.5	Pass
					3.70	14.005	0.0081	-2.5 to 2.5	Pass
					4.30	3.791	0.0022	-2.5 to 2.5	Pass
				-30	3.70	6.309	0.0036	-2.5 to 2.5	Pass
				-20	3.70	9.842	0.0057	-2.5 to 2.5	Pass

				-10	3.70	-2.460	-0.0014	-2.5 to 2.5	Pass
				0	3.70	1.945	0.0011	-2.5 to 2.5	Pass
				10	3.70	-1.144	-0.0007	-2.5 to 2.5	Pass
				30	3.70	2.031	0.0012	-2.5 to 2.5	Pass
				40	3.70	9.813	0.0057	-2.5 to 2.5	Pass
				50	3.70	-2.875	-0.0017	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.15	-3.891	-0.0022	-2.5 to 2.5	Pass
					3.70	5.164	0.0029	-2.5 to 2.5	Pass
					4.30	-7.596	-0.0043	-2.5 to 2.5	Pass
				-30	3.70	6.323	0.0036	-2.5 to 2.5	Pass
				-20	3.70	1.144	0.0007	-2.5 to 2.5	Pass
				-10	3.70	1.101	0.0006	-2.5 to 2.5	Pass
				0	3.70	-2.947	-0.0017	-2.5 to 2.5	Pass
				10	3.70	6.194	0.0035	-2.5 to 2.5	Pass
				30	3.70	-5.808	-0.0033	-2.5 to 2.5	Pass
				40	3.70	3.748	0.0021	-2.5 to 2.5	Pass
				50	3.70	-0.987	-0.0006	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.15	-2.217	-0.0013	-2.5 to 2.5	Pass
					3.70	4.864	0.0028	-2.5 to 2.5	Pass
					4.30	1.359	0.0008	-2.5 to 2.5	Pass
				-30	3.70	8.240	0.0048	-2.5 to 2.5	Pass
				-20	3.70	2.246	0.0013	-2.5 to 2.5	Pass
				-10	3.70	6.480	0.0038	-2.5 to 2.5	Pass
				0	3.70	-1.602	-0.0009	-2.5 to 2.5	Pass
				10	3.70	8.039	0.0047	-2.5 to 2.5	Pass
				30	3.70	7.195	0.0042	-2.5 to 2.5	Pass
				40	3.70	2.074	0.0012	-2.5 to 2.5	Pass
				50	3.70	2.031	0.0012	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.15	12.074	0.0070	-2.5 to 2.5	Pass
					3.70	9.227	0.0053	-2.5 to 2.5	Pass
					4.30	11.544	0.0067	-2.5 to 2.5	Pass
				-30	3.70	8.984	0.0052	-2.5 to 2.5	Pass
				-20	3.70	0.844	0.0005	-2.5 to 2.5	Pass
				-10	3.70	4.935	0.0028	-2.5 to 2.5	Pass
				0	3.70	4.449	0.0026	-2.5 to 2.5	Pass
				10	3.70	-0.243	-0.0001	-2.5 to 2.5	Pass
				30	3.70	4.220	0.0024	-2.5 to 2.5	Pass
				40	3.70	8.841	0.0051	-2.5 to 2.5	Pass
				50	3.70	-1.559	-0.0009	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.15	-1.802	-0.0010	-2.5 to 2.5	Pass
					3.70	-1.359	-0.0008	-2.5 to 2.5	Pass
					4.30	6.180	0.0035	-2.5 to 2.5	Pass
				-30	3.70	5.908	0.0034	-2.5 to 2.5	Pass
				-20	3.70	-3.662	-0.0021	-2.5 to 2.5	Pass
				-10	3.70	0.572	0.0003	-2.5 to 2.5	Pass
				0	3.70	0.629	0.0004	-2.5 to 2.5	Pass
				10	3.70	2.604	0.0015	-2.5 to 2.5	Pass
				30	3.70	10.171	0.0058	-2.5 to 2.5	Pass
				40	3.70	-6.824	-0.0039	-2.5 to 2.5	Pass
				50	3.70	1.173	0.0007	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.15	-1.202	-0.0007	-2.5 to 2.5	Pass
					3.70	12.388	0.0072	-2.5 to 2.5	Pass

					4.30	5.593	0.0033	-2.5 to 2.5	Pass
				-30	3.70	-1.602	-0.0009	-2.5 to 2.5	Pass
				-20	3.70	-2.747	-0.0016	-2.5 to 2.5	Pass
				-10	3.70	4.334	0.0025	-2.5 to 2.5	Pass
				0	3.70	-5.722	-0.0033	-2.5 to 2.5	Pass
				10	3.70	-1.059	-0.0006	-2.5 to 2.5	Pass
				30	3.70	-9.284	-0.0054	-2.5 to 2.5	Pass
				40	3.70	-7.367	-0.0043	-2.5 to 2.5	Pass
				50	3.70	-3.791	-0.0022	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.15	9.613	0.0055	-2.5 to 2.5	Pass
					3.70	-0.358	-0.0002	-2.5 to 2.5	Pass
					4.30	4.578	0.0026	-2.5 to 2.5	Pass
				-30	3.70	-1.988	-0.0011	-2.5 to 2.5	Pass
				-20	3.70	9.899	0.0057	-2.5 to 2.5	Pass
				-10	3.70	6.223	0.0036	-2.5 to 2.5	Pass
				0	3.70	0.787	0.0005	-2.5 to 2.5	Pass
				10	3.70	9.727	0.0056	-2.5 to 2.5	Pass
				30	3.70	4.177	0.0024	-2.5 to 2.5	Pass
				40	3.70	8.297	0.0048	-2.5 to 2.5	Pass
				50	3.70	5.479	0.0032	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.15	0.887	0.0005	-2.5 to 2.5	Pass
					3.70	1.745	0.0010	-2.5 to 2.5	Pass
					4.30	3.505	0.0020	-2.5 to 2.5	Pass
				-30	3.70	0.916	0.0005	-2.5 to 2.5	Pass
				-20	3.70	-0.973	-0.0006	-2.5 to 2.5	Pass
				-10	3.70	-0.200	-0.0001	-2.5 to 2.5	Pass
				0	3.70	-0.014	0.0000	-2.5 to 2.5	Pass
				10	3.70	-1.101	-0.0006	-2.5 to 2.5	Pass
				30	3.70	1.888	0.0011	-2.5 to 2.5	Pass
				40	3.70	-1.888	-0.0011	-2.5 to 2.5	Pass
				50	3.70	1.688	0.0010	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.15	2.217	0.0013	-2.5 to 2.5	Pass
					3.70	0.672	0.0004	-2.5 to 2.5	Pass
					4.30	4.706	0.0027	-2.5 to 2.5	Pass
				-30	3.70	6.323	0.0037	-2.5 to 2.5	Pass
				-20	3.70	-1.173	-0.0007	-2.5 to 2.5	Pass
				-10	3.70	1.559	0.0009	-2.5 to 2.5	Pass
				0	3.70	5.879	0.0034	-2.5 to 2.5	Pass
				10	3.70	6.523	0.0038	-2.5 to 2.5	Pass
				30	3.70	4.578	0.0027	-2.5 to 2.5	Pass
				40	3.70	1.502	0.0009	-2.5 to 2.5	Pass
				50	3.70	0.916	0.0005	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.15	5.236	0.0030	-2.5 to 2.5	Pass
					3.70	-1.445	-0.0008	-2.5 to 2.5	Pass
					4.30	-4.048	-0.0023	-2.5 to 2.5	Pass
				-30	3.70	-0.315	-0.0002	-2.5 to 2.5	Pass
				-20	3.70	4.907	0.0028	-2.5 to 2.5	Pass
				-10	3.70	-0.200	-0.0001	-2.5 to 2.5	Pass
				0	3.70	2.432	0.0014	-2.5 to 2.5	Pass
				10	3.70	3.448	0.0020	-2.5 to 2.5	Pass
				30	3.70	-0.644	-0.0004	-2.5 to 2.5	Pass
				40	3.70	-1.101	-0.0006	-2.5 to 2.5	Pass

	1752.5	25	0	50	3.70	1.674	0.0010	-2.5 to 2.5	Pass
				20	3.15	0.157	0.0001	-2.5 to 2.5	Pass
					3.70	0.973	0.0006	-2.5 to 2.5	Pass
					4.30	-0.443	-0.0003	-2.5 to 2.5	Pass
				-30	3.70	-6.123	-0.0035	-2.5 to 2.5	Pass
				-20	3.70	-5.636	-0.0032	-2.5 to 2.5	Pass
				-10	3.70	-9.313	-0.0053	-2.5 to 2.5	Pass
				0	3.70	-8.726	-0.0050	-2.5 to 2.5	Pass
				10	3.70	-5.665	-0.0032	-2.5 to 2.5	Pass
				30	3.70	-5.178	-0.0030	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	40	3.70	-5.364	-0.0031	-2.5 to 2.5	Pass
				50	3.70	0.458	0.0003	-2.5 to 2.5	Pass
				20	3.15	2.446	0.0014	-2.5 to 2.5	Pass
					3.70	6.037	0.0035	-2.5 to 2.5	Pass
					4.30	6.766	0.0040	-2.5 to 2.5	Pass
				-30	3.70	2.918	0.0017	-2.5 to 2.5	Pass
				-20	3.70	3.519	0.0021	-2.5 to 2.5	Pass
				-10	3.70	4.706	0.0027	-2.5 to 2.5	Pass
				0	3.70	4.935	0.0029	-2.5 to 2.5	Pass
				10	3.70	2.418	0.0014	-2.5 to 2.5	Pass
	1732.5	25	0	30	3.70	7.567	0.0044	-2.5 to 2.5	Pass
				40	3.70	11.644	0.0068	-2.5 to 2.5	Pass
				50	3.70	4.506	0.0026	-2.5 to 2.5	Pass
				20	3.15	1.459	0.0008	-2.5 to 2.5	Pass
					3.70	8.469	0.0049	-2.5 to 2.5	Pass
					4.30	0.114	0.0001	-2.5 to 2.5	Pass
				-30	3.70	2.632	0.0015	-2.5 to 2.5	Pass
				-20	3.70	5.479	0.0032	-2.5 to 2.5	Pass
				-10	3.70	6.108	0.0035	-2.5 to 2.5	Pass
				0	3.70	8.311	0.0048	-2.5 to 2.5	Pass
	1752.5	25	0	10	3.70	4.177	0.0024	-2.5 to 2.5	Pass
				30	3.70	7.668	0.0044	-2.5 to 2.5	Pass
				40	3.70	-2.604	-0.0015	-2.5 to 2.5	Pass
				50	3.70	6.924	0.0040	-2.5 to 2.5	Pass
				20	3.15	-6.952	-0.0040	-2.5 to 2.5	Pass
					3.70	3.033	0.0017	-2.5 to 2.5	Pass
					4.30	-1.631	-0.0009	-2.5 to 2.5	Pass
				-30	3.70	-3.462	-0.0020	-2.5 to 2.5	Pass
				-20	3.70	-0.615	-0.0004	-2.5 to 2.5	Pass
				-10	3.70	-0.601	-0.0003	-2.5 to 2.5	Pass
				0	3.70	-2.160	-0.0012	-2.5 to 2.5	Pass
				10	3.70	1.059	0.0006	-2.5 to 2.5	Pass
				30	3.70	-1.359	-0.0008	-2.5 to 2.5	Pass
				40	3.70	-5.293	-0.0030	-2.5 to 2.5	Pass
				50	3.70	-0.372	-0.0002	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.15	7.396	0.0043	-2.5 to 2.5	Pass
					3.70	8.268	0.0048	-2.5 to 2.5	Pass
					4.30	7.124	0.0042	-2.5 to 2.5	Pass
				-30	3.70	4.148	0.0024	-2.5 to 2.5	Pass
				-20	3.70	5.465	0.0032	-2.5 to 2.5	Pass
				-10	3.70	4.349	0.0025	-2.5 to 2.5	Pass
				0	3.70	7.324	0.0043	-2.5 to 2.5	Pass

				10	3.70	10.114	0.0059	-2.5 to 2.5	Pass
				30	3.70	1.802	0.0011	-2.5 to 2.5	Pass
				40	3.70	0.987	0.0006	-2.5 to 2.5	Pass
				50	3.70	-3.004	-0.0018	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.15	3.948	0.0023	-2.5 to 2.5	Pass
					3.70	0.029	0.0000	-2.5 to 2.5	Pass
					4.30	0.329	0.0002	-2.5 to 2.5	Pass
				-30	3.70	1.359	0.0008	-2.5 to 2.5	Pass
				-20	3.70	-3.362	-0.0019	-2.5 to 2.5	Pass
				-10	3.70	2.074	0.0012	-2.5 to 2.5	Pass
				0	3.70	-0.787	-0.0005	-2.5 to 2.5	Pass
				10	3.70	0.315	0.0002	-2.5 to 2.5	Pass
				30	3.70	0.944	0.0005	-2.5 to 2.5	Pass
				40	3.70	-0.372	-0.0002	-2.5 to 2.5	Pass
				50	3.70	1.402	0.0008	-2.5 to 2.5	Pass
	1750	50	0	20	3.15	2.418	0.0014	-2.5 to 2.5	Pass
					3.70	1.545	0.0009	-2.5 to 2.5	Pass
					4.30	4.706	0.0027	-2.5 to 2.5	Pass
				-30	3.70	3.104	0.0018	-2.5 to 2.5	Pass
				-20	3.70	3.934	0.0022	-2.5 to 2.5	Pass
				-10	3.70	1.602	0.0009	-2.5 to 2.5	Pass
				0	3.70	7.167	0.0041	-2.5 to 2.5	Pass
				10	3.70	-0.873	-0.0005	-2.5 to 2.5	Pass
				30	3.70	1.330	0.0008	-2.5 to 2.5	Pass
				40	3.70	2.732	0.0016	-2.5 to 2.5	Pass
				50	3.70	3.905	0.0022	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.15	2.346	0.0014	-2.5 to 2.5	Pass
					3.70	2.160	0.0013	-2.5 to 2.5	Pass
					4.30	4.663	0.0027	-2.5 to 2.5	Pass
				-30	3.70	4.792	0.0028	-2.5 to 2.5	Pass
				-20	3.70	5.136	0.0030	-2.5 to 2.5	Pass
				-10	3.70	1.702	0.0010	-2.5 to 2.5	Pass
				0	3.70	-2.003	-0.0012	-2.5 to 2.5	Pass
				10	3.70	0.315	0.0002	-2.5 to 2.5	Pass
				30	3.70	4.706	0.0027	-2.5 to 2.5	Pass
				40	3.70	3.891	0.0023	-2.5 to 2.5	Pass
				50	3.70	5.035	0.0029	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.15	1.101	0.0006	-2.5 to 2.5	Pass
					3.70	0.386	0.0002	-2.5 to 2.5	Pass
					4.30	-1.316	-0.0008	-2.5 to 2.5	Pass
				-30	3.70	-2.289	-0.0013	-2.5 to 2.5	Pass
				-20	3.70	0.329	0.0002	-2.5 to 2.5	Pass
				-10	3.70	0.157	0.0001	-2.5 to 2.5	Pass
				0	3.70	-0.300	-0.0002	-2.5 to 2.5	Pass
				10	3.70	-1.974	-0.0011	-2.5 to 2.5	Pass
				30	3.70	-0.443	-0.0003	-2.5 to 2.5	Pass
				40	3.70	1.230	0.0007	-2.5 to 2.5	Pass
				50	3.70	-0.772	-0.0004	-2.5 to 2.5	Pass
	1750	50	0	20	3.15	1.717	0.0010	-2.5 to 2.5	Pass
					3.70	3.104	0.0018	-2.5 to 2.5	Pass
					4.30	0.844	0.0005	-2.5 to 2.5	Pass
				-30	3.70	3.133	0.0018	-2.5 to 2.5	Pass
				-20	3.70	1.974	0.0011	-2.5 to 2.5	Pass
				-10	3.70	5.007	0.0029	-2.5 to 2.5	Pass
				0	3.70	3.633	0.0021	-2.5 to 2.5	Pass
				10	3.70	-0.229	-0.0001	-2.5 to 2.5	Pass
				30	3.70	6.666	0.0038	-2.5 to 2.5	Pass
				40	3.70	3.676	0.0021	-2.5 to 2.5	Pass
				50	3.70	1.717	0.0010	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.15	0.715	0.0004	-2.5 to 2.5	Pass
					3.70	2.117	0.0012	-2.5 to 2.5	Pass
					4.30	1.817	0.0011	-2.5 to 2.5	Pass
				-30	3.70	0.114	0.0001	-2.5 to 2.5	Pass
				-20	3.70	0.672	0.0004	-2.5 to 2.5	Pass
				-10	3.70	1.245	0.0007	-2.5 to 2.5	Pass
				0	3.70	1.159	0.0007	-2.5 to 2.5	Pass
				10	3.70	3.376	0.0020	-2.5 to 2.5	Pass
				30	3.70	3.376	0.0020	-2.5 to 2.5	Pass
				40	3.70	-0.286	-0.0002	-2.5 to 2.5	Pass
				50	3.70	0.916	0.0005	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.15	-0.916	-0.0005	-2.5 to 2.5	Pass
					3.70	-0.486	-0.0003	-2.5 to 2.5	Pass
					4.30	-2.847	-0.0016	-2.5 to 2.5	Pass
				-30	3.70	-2.189	-0.0013	-2.5 to 2.5	Pass
				-20	3.70	0.930	0.0005	-2.5 to 2.5	Pass
				-10	3.70	-1.316	-0.0008	-2.5 to 2.5	Pass
				0	3.70	0.386	0.0002	-2.5 to 2.5	Pass
				10	3.70	-1.559	-0.0009	-2.5 to 2.5	Pass
				30	3.70	0.615	0.0004	-2.5 to 2.5	Pass
				40	3.70	0.157	0.0001	-2.5 to 2.5	Pass
				50	3.70	-1.888	-0.0011	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.15	-1.588	-0.0009	-2.5 to 2.5	Pass
					3.70	-0.243	-0.0001	-2.5 to 2.5	Pass
					4.30	-2.146	-0.0012	-2.5 to 2.5	Pass
				-30	3.70	-0.315	-0.0002	-2.5 to 2.5	Pass
				-20	3.70	-2.131	-0.0012	-2.5 to 2.5	Pass
				-10	3.70	-1.245	-0.0007	-2.5 to 2.5	Pass
				0	3.70	-0.472	-0.0003	-2.5 to 2.5	Pass
				10	3.70	1.945	0.0011	-2.5 to 2.5	Pass
				30	3.70	-3.133	-0.0018	-2.5 to 2.5	Pass
				40	3.70	0.472	0.0003	-2.5 to 2.5	Pass
				50	3.70	-1.688	-0.0010	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.15	-0.901	-0.0005	-2.5 to 2.5	Pass
					3.70	-1.445	-0.0008	-2.5 to 2.5	Pass
					4.30	3.376	0.0020	-2.5 to 2.5	Pass
				-30	3.70	2.189	0.0013	-2.5 to 2.5	Pass
				-20	3.70	-0.072	0.0000	-2.5 to 2.5	Pass
				-10	3.70	1.016	0.0006	-2.5 to 2.5	Pass
				0	3.70	1.187	0.0007	-2.5 to 2.5	Pass
				10	3.70	1.431	0.0008	-2.5 to 2.5	Pass
				30	3.70	5.593	0.0033	-2.5 to 2.5	Pass
				40	3.70	2.160	0.0013	-2.5 to 2.5	Pass
				50	3.70	-2.561	-0.0015	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.15	-2.918	-0.0017	-2.5 to 2.5	Pass
					3.70	-1.731	-0.0010	-2.5 to 2.5	Pass
					4.30	0.386	0.0002	-2.5 to 2.5	Pass
				-30	3.70	0.100	0.0001	-2.5 to 2.5	Pass
				-20	3.70	-7.296	-0.0042	-2.5 to 2.5	Pass
				-10	3.70	-2.289	-0.0013	-2.5 to 2.5	Pass
				0	3.70	-2.632	-0.0015	-2.5 to 2.5	Pass
				10	3.70	-2.618	-0.0015	-2.5 to 2.5	Pass

	1747.5	75	0	30	3.70	-2.375	-0.0014	-2.5 to 2.5	Pass
				40	3.70	-2.217	-0.0013	-2.5 to 2.5	Pass
				50	3.70	-1.044	-0.0006	-2.5 to 2.5	Pass
				20	3.15	-0.086	0.0000	-2.5 to 2.5	Pass
					3.70	0.644	0.0004	-2.5 to 2.5	Pass
					4.30	1.760	0.0010	-2.5 to 2.5	Pass
				-30	3.70	1.473	0.0008	-2.5 to 2.5	Pass
				-20	3.70	3.219	0.0018	-2.5 to 2.5	Pass
				-10	3.70	4.334	0.0025	-2.5 to 2.5	Pass
				0	3.70	2.675	0.0015	-2.5 to 2.5	Pass
				10	3.70	2.732	0.0016	-2.5 to 2.5	Pass
				30	3.70	2.847	0.0016	-2.5 to 2.5	Pass
				40	3.70	4.292	0.0025	-2.5 to 2.5	Pass
				50	3.70	-0.243	-0.0001	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.15	3.119	0.0018	-2.5 to 2.5	Pass
					3.70	0.544	0.0003	-2.5 to 2.5	Pass
					4.30	-2.117	-0.0012	-2.5 to 2.5	Pass
				-30	3.70	1.044	0.0006	-2.5 to 2.5	Pass
				-20	3.70	1.588	0.0009	-2.5 to 2.5	Pass
				-10	3.70	-1.173	-0.0007	-2.5 to 2.5	Pass
				0	3.70	0.315	0.0002	-2.5 to 2.5	Pass
				10	3.70	-3.090	-0.0018	-2.5 to 2.5	Pass
				30	3.70	-2.904	-0.0017	-2.5 to 2.5	Pass
				40	3.70	3.104	0.0018	-2.5 to 2.5	Pass
				50	3.70	1.345	0.0008	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.15	-1.044	-0.0006	-2.5 to 2.5	Pass
					3.70	4.234	0.0024	-2.5 to 2.5	Pass
					4.30	2.632	0.0015	-2.5 to 2.5	Pass
				-30	3.70	-0.973	-0.0006	-2.5 to 2.5	Pass
				-20	3.70	5.035	0.0029	-2.5 to 2.5	Pass
				-10	3.70	0.730	0.0004	-2.5 to 2.5	Pass
				0	3.70	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.70	0.901	0.0005	-2.5 to 2.5	Pass
				30	3.70	2.360	0.0014	-2.5 to 2.5	Pass
				40	3.70	0.944	0.0005	-2.5 to 2.5	Pass
				50	3.70	3.419	0.0020	-2.5 to 2.5	Pass
	1745	100	0	20	3.15	3.633	0.0021	-2.5 to 2.5	Pass
					3.70	4.091	0.0023	-2.5 to 2.5	Pass
					4.30	0.901	0.0005	-2.5 to 2.5	Pass
				-30	3.70	4.921	0.0028	-2.5 to 2.5	Pass
				-20	3.70	2.360	0.0014	-2.5 to 2.5	Pass
				-10	3.70	3.905	0.0022	-2.5 to 2.5	Pass
				0	3.70	3.419	0.0020	-2.5 to 2.5	Pass
				10	3.70	3.405	0.0020	-2.5 to 2.5	Pass
				30	3.70	3.490	0.0020	-2.5 to 2.5	Pass
				40	3.70	4.005	0.0023	-2.5 to 2.5	Pass
				50	3.70	4.721	0.0027	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.15	1.230	0.0007	-2.5 to 2.5	Pass
					3.70	-0.086	0.0000	-2.5 to 2.5	Pass
					4.30	2.103	0.0012	-2.5 to 2.5	Pass
				-30	3.70	2.031	0.0012	-2.5 to 2.5	Pass
				-20	3.70	0.172	0.0001	-2.5 to 2.5	Pass

				-10	3.70	2.146	0.0012	-2.5 to 2.5	Pass
				0	3.70	-0.157	-0.0001	-2.5 to 2.5	Pass
				10	3.70	1.044	0.0006	-2.5 to 2.5	Pass
				30	3.70	-4.921	-0.0029	-2.5 to 2.5	Pass
				40	3.70	-0.143	-0.0001	-2.5 to 2.5	Pass
				50	3.70	-0.715	-0.0004	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.15	3.605	0.0021	-2.5 to 2.5	Pass
					3.70	-0.401	-0.0002	-2.5 to 2.5	Pass
					4.30	2.160	0.0012	-2.5 to 2.5	Pass
				-30	3.70	2.460	0.0014	-2.5 to 2.5	Pass
				-20	3.70	2.990	0.0017	-2.5 to 2.5	Pass
				-10	3.70	4.792	0.0028	-2.5 to 2.5	Pass
				0	3.70	0.672	0.0004	-2.5 to 2.5	Pass
				10	3.70	-1.273	-0.0007	-2.5 to 2.5	Pass
				30	3.70	4.063	0.0023	-2.5 to 2.5	Pass
				40	3.70	0.644	0.0004	-2.5 to 2.5	Pass
				50	3.70	3.977	0.0023	-2.5 to 2.5	Pass
	1745	100	0	20	3.15	3.505	0.0020	-2.5 to 2.5	Pass
					3.70	5.178	0.0030	-2.5 to 2.5	Pass
					4.30	0.229	0.0001	-2.5 to 2.5	Pass
				-30	3.70	0.200	0.0001	-2.5 to 2.5	Pass
				-20	3.70	1.802	0.0010	-2.5 to 2.5	Pass
				-10	3.70	-0.014	0.0000	-2.5 to 2.5	Pass
				0	3.70	3.419	0.0020	-2.5 to 2.5	Pass
				10	3.70	1.445	0.0008	-2.5 to 2.5	Pass
				30	3.70	1.388	0.0008	-2.5 to 2.5	Pass
				40	3.70	1.130	0.0006	-2.5 to 2.5	Pass
				50	3.70	1.931	0.0011	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		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 / NTV						
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 / NTV						
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 / NTV						
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

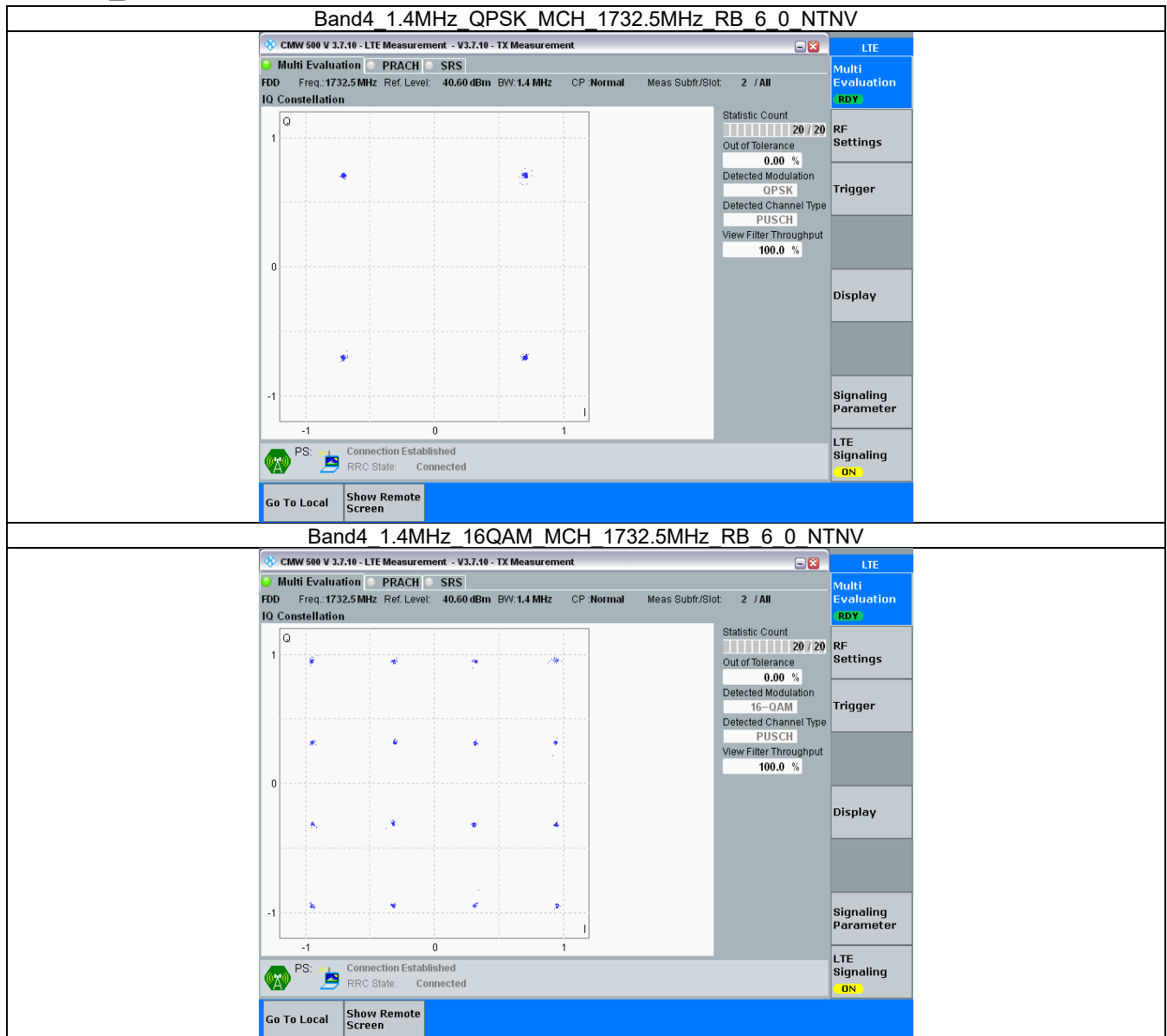
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

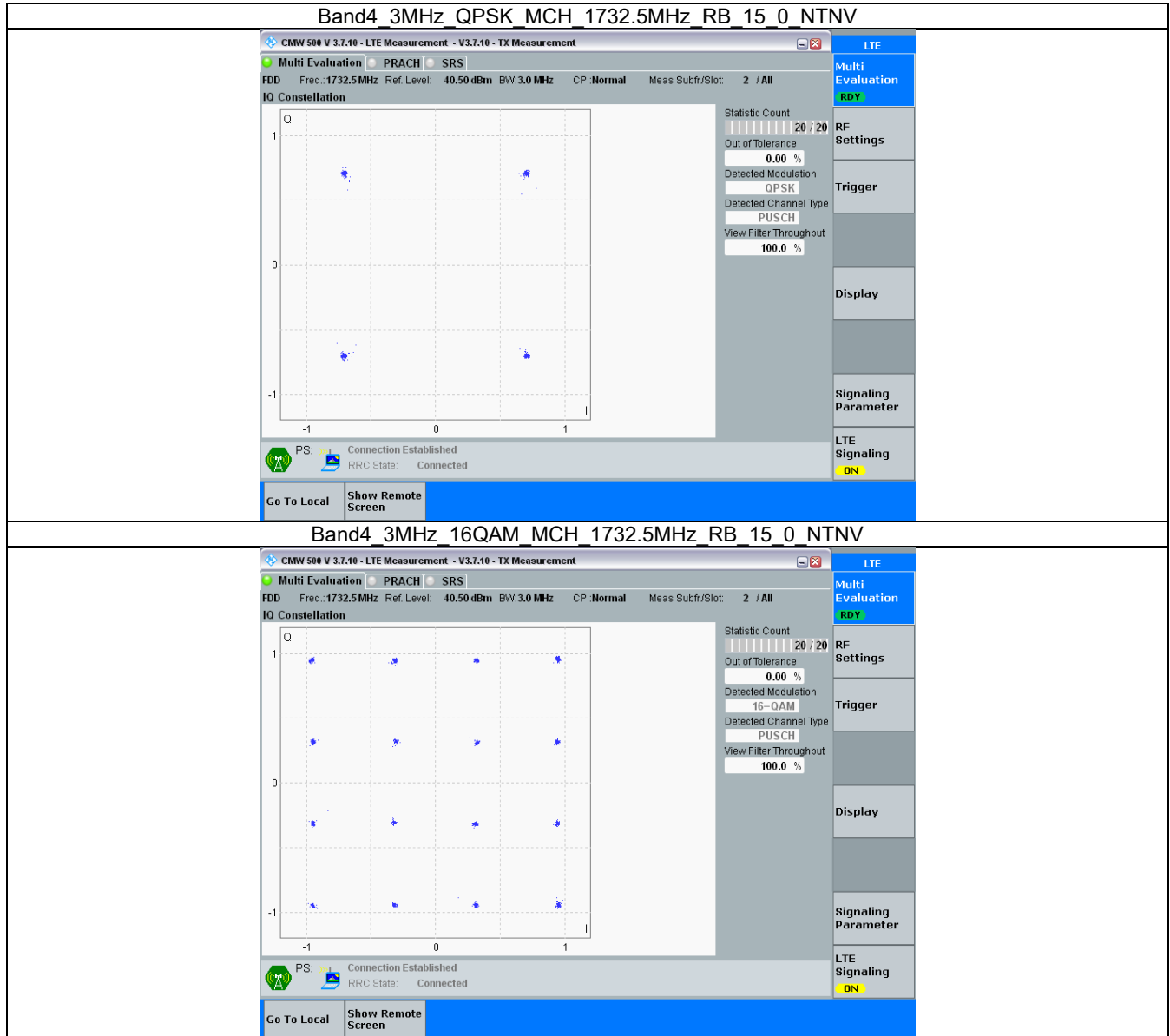
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

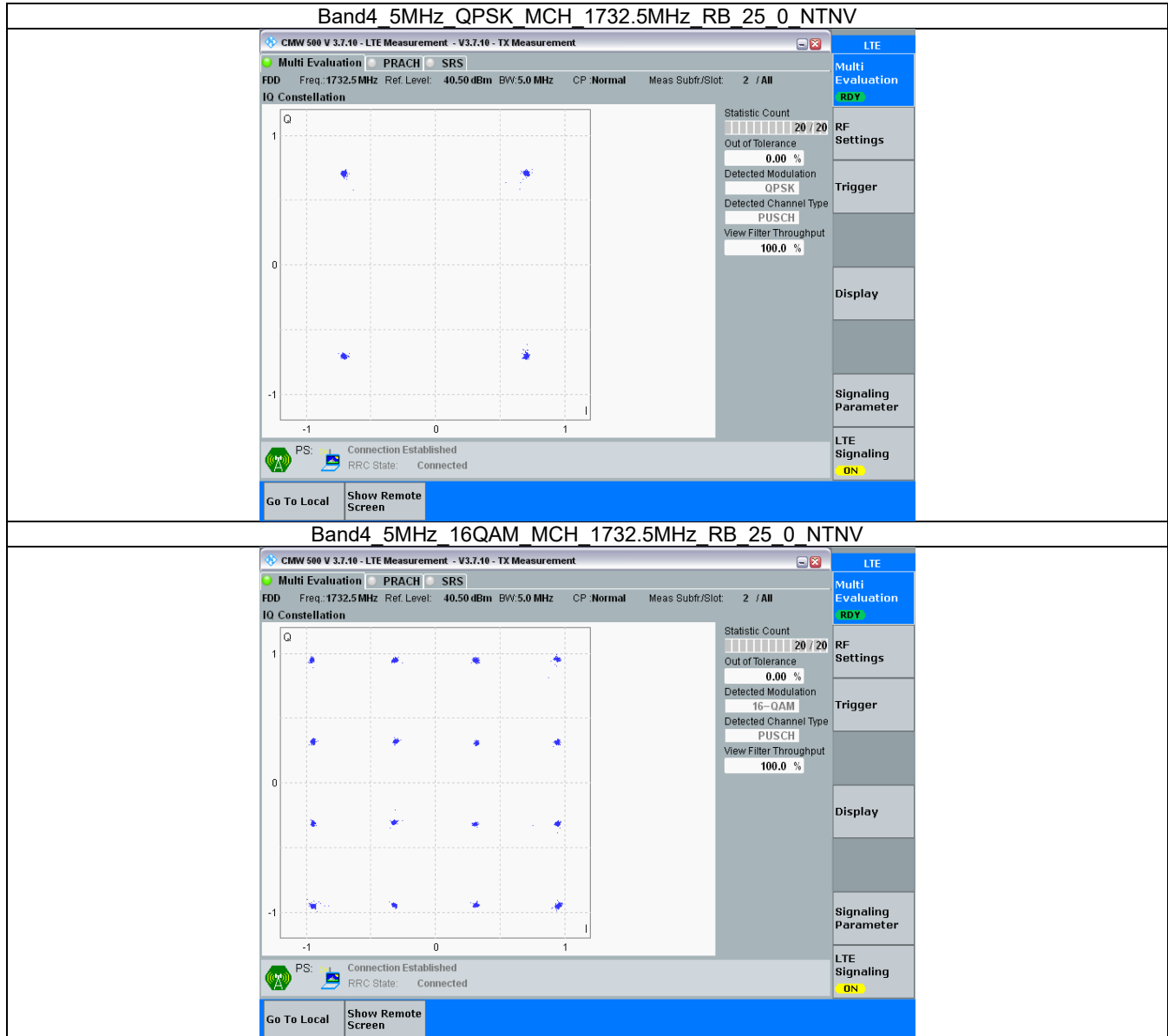
3.2.1 B4_1.4MHz



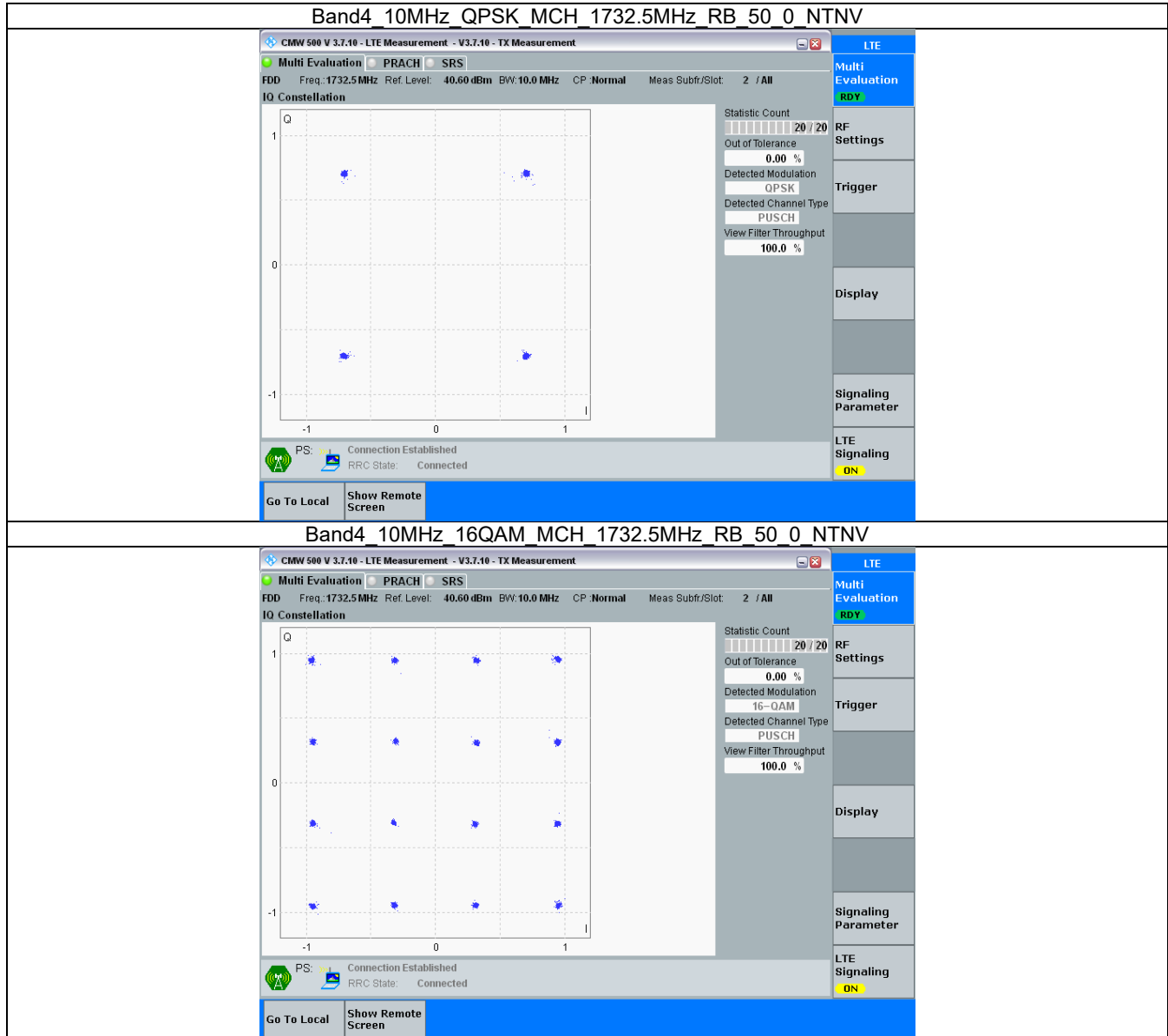
3.2.2 B4_3MHz



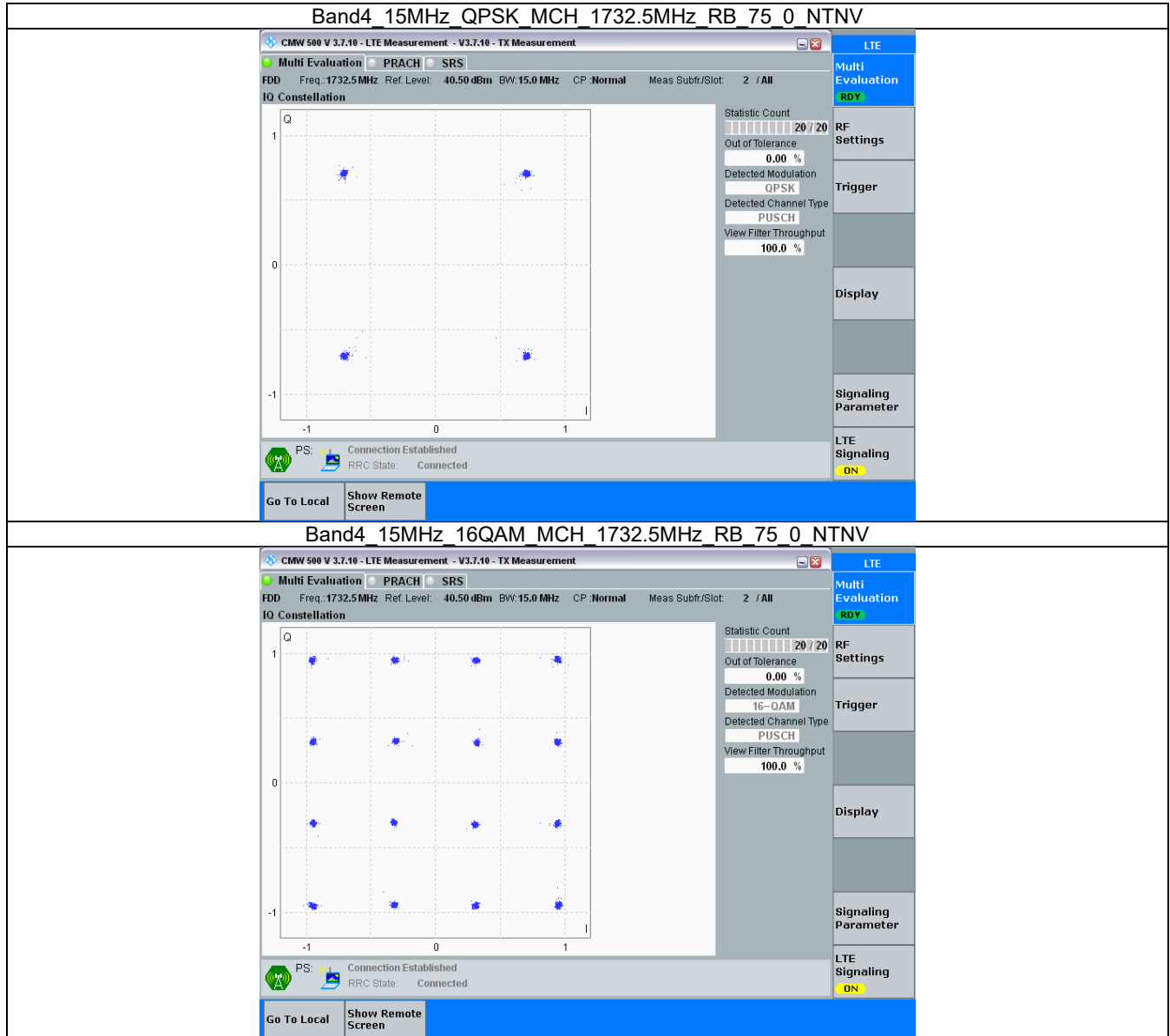
3.2.3 B4_5MHz



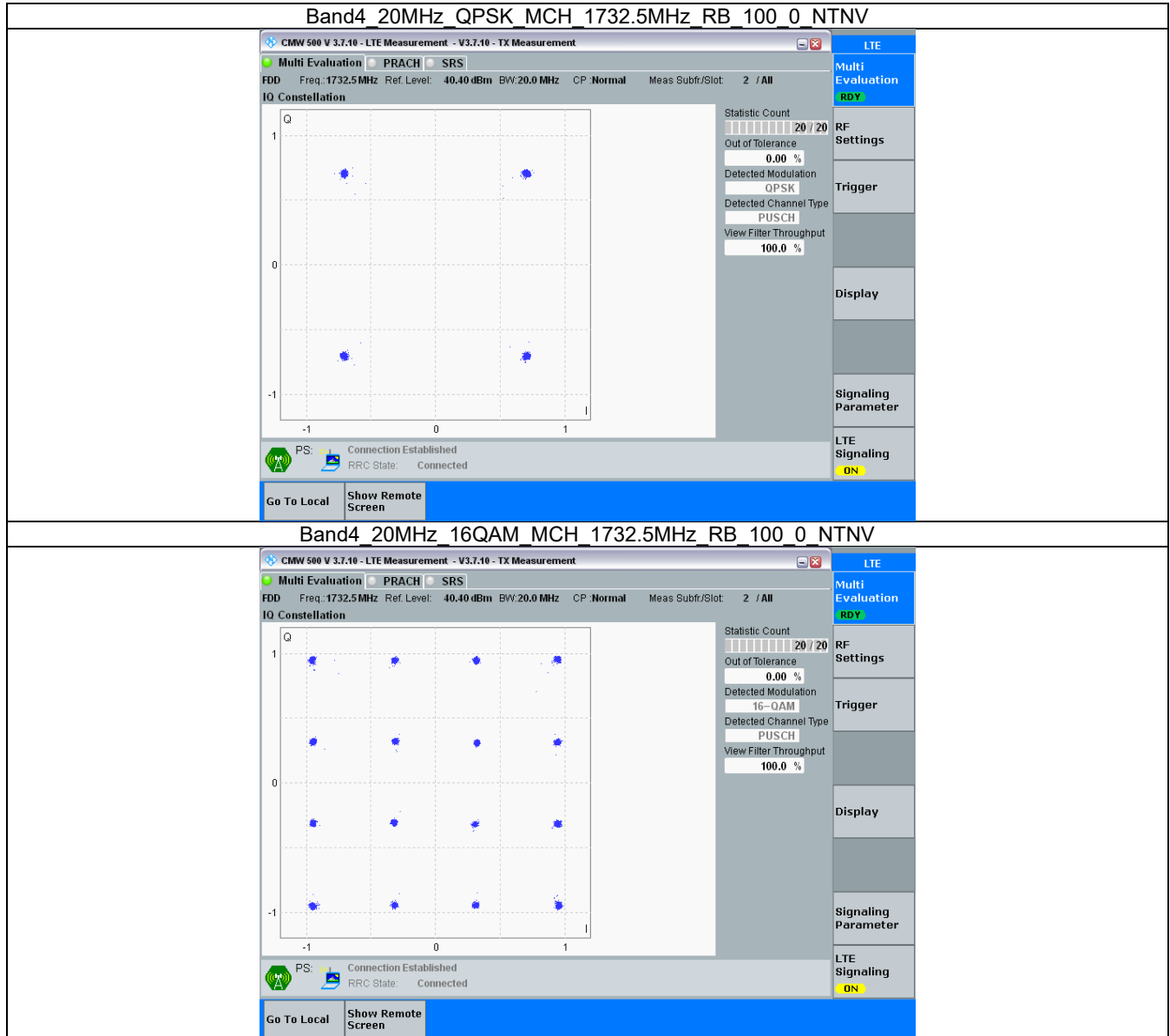
3.2.4 B4_10MHz



3.2.5 B4_15MHz



3.2.6 B4_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.114	/	Pass
		1732.5	6	0	1.113	/	Pass
		1754.3	6	0	1.106	/	Pass
	16QAM	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.103	/	Pass
		1754.3	6	0	1.113	/	Pass
3	QPSK	1711.5	15	0	2.743	/	Pass
		1732.5	15	0	2.727	/	Pass
		1753.5	15	0	2.733	/	Pass
	16QAM	1711.5	15	0	2.729	/	Pass
		1732.5	15	0	2.724	/	Pass
		1753.5	15	0	2.726	/	Pass
5	QPSK	1712.5	25	0	4.551	/	Pass
		1732.5	25	0	4.552	/	Pass
		1752.5	25	0	4.550	/	Pass
	16QAM	1712.5	25	0	4.569	/	Pass
		1732.5	25	0	4.553	/	Pass
		1752.5	25	0	4.528	/	Pass
10	QPSK	1715	50	0	9.065	/	Pass
		1732.5	50	0	9.040	/	Pass
		1750	50	0	9.054	/	Pass
	16QAM	1715	50	0	9.038	/	Pass
		1732.5	50	0	9.037	/	Pass
		1750	50	0	9.068	/	Pass
15	QPSK	1717.5	75	0	13.580	/	Pass
		1732.5	75	0	13.548	/	Pass
		1747.5	75	0	13.618	/	Pass
	16QAM	1717.5	75	0	13.565	/	Pass
		1732.5	75	0	13.575	/	Pass
		1747.5	75	0	13.606	/	Pass
20	QPSK	1720	100	0	18.110	/	Pass
		1732.5	100	0	18.059	/	Pass
		1745	100	0	18.140	/	Pass
	16QAM	1720	100	0	18.088	/	Pass
		1732.5	100	0	18.012	/	Pass
		1745	100	0	18.126	/	Pass

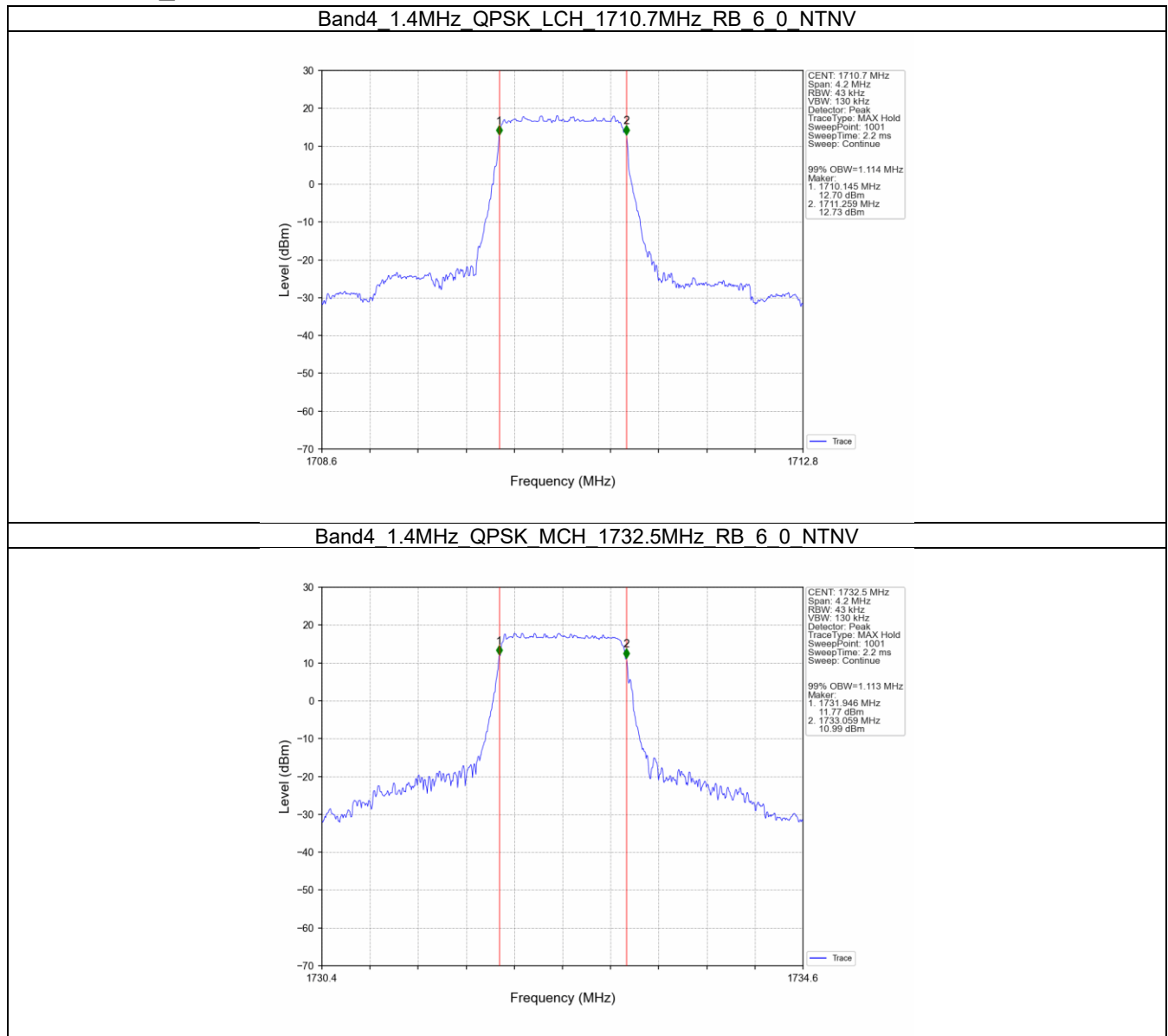
4.1.2 Band4_XDB

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	1.318	/	Pass
		1732.5	6	0	1.327	/	Pass
		1754.3	6	0	1.317	/	Pass
	16QAM	1710.7	6	0	1.342	/	Pass
		1732.5	6	0	1.318	/	Pass
		1754.3	6	0	1.323	/	Pass
3	QPSK	1711.5	15	0	3.026	/	Pass

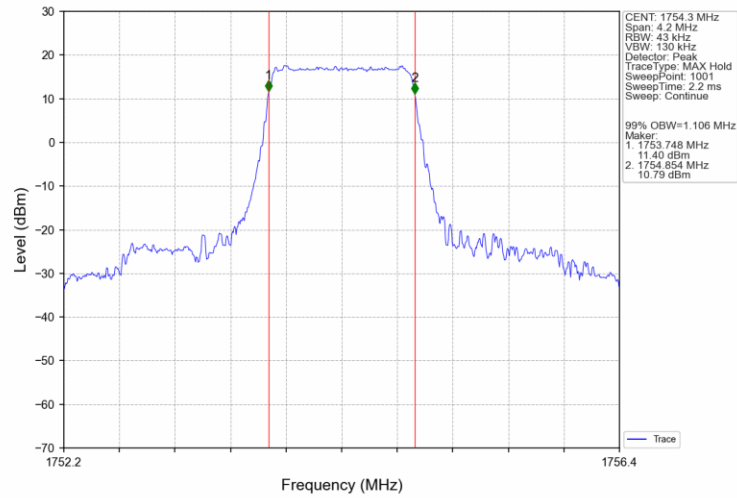
	16QAM	1732.5	15	0	3.001	/	Pass
		1753.5	15	0	3.003	/	Pass
		1711.5	15	0	3.011	/	Pass
		1732.5	15	0	3.012	/	Pass
		1753.5	15	0	3.000	/	Pass
5	QPSK	1712.5	25	0	5.057	/	Pass
		1732.5	25	0	5.096	/	Pass
		1752.5	25	0	5.072	/	Pass
	16QAM	1712.5	25	0	5.038	/	Pass
		1732.5	25	0	5.063	/	Pass
10	QPSK	1715	50	0	10.015	/	Pass
		1732.5	50	0	9.969	/	Pass
		1750	50	0	9.973	/	Pass
	16QAM	1715	50	0	9.982	/	Pass
		1732.5	50	0	9.940	/	Pass
15	QPSK	1717.5	75	0	14.961	/	Pass
		1732.5	75	0	14.843	/	Pass
		1747.5	75	0	14.976	/	Pass
	16QAM	1717.5	75	0	15.003	/	Pass
		1732.5	75	0	14.895	/	Pass
20	QPSK	1747.5	75	0	14.930	/	Pass
	QPSK	1720	100	0	19.814	/	Pass
		1732.5	100	0	19.751	/	Pass
		1745	100	0	19.651	/	Pass
	16QAM	1720	100	0	20.016	/	Pass
		1732.5	100	0	19.761	/	Pass
		1745	100	0	19.793	/	Pass

4.2 Test Graph

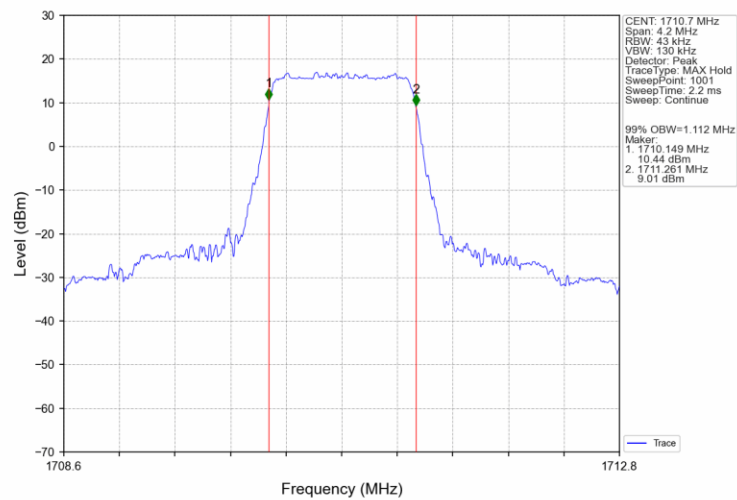
4.2.1 Band4_OBW



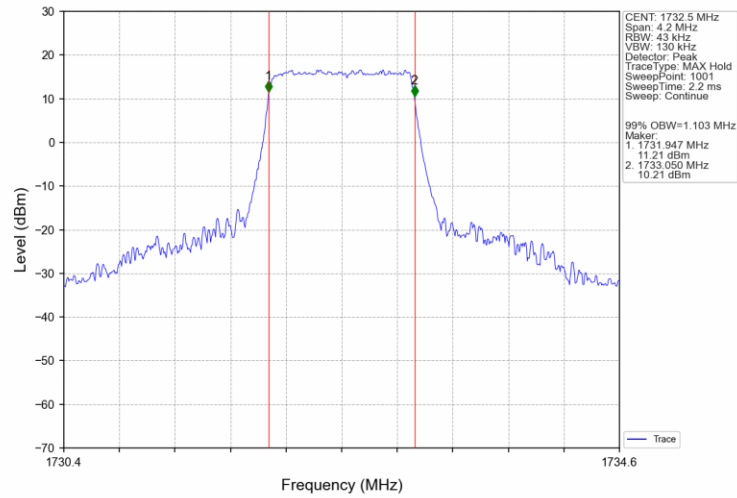
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



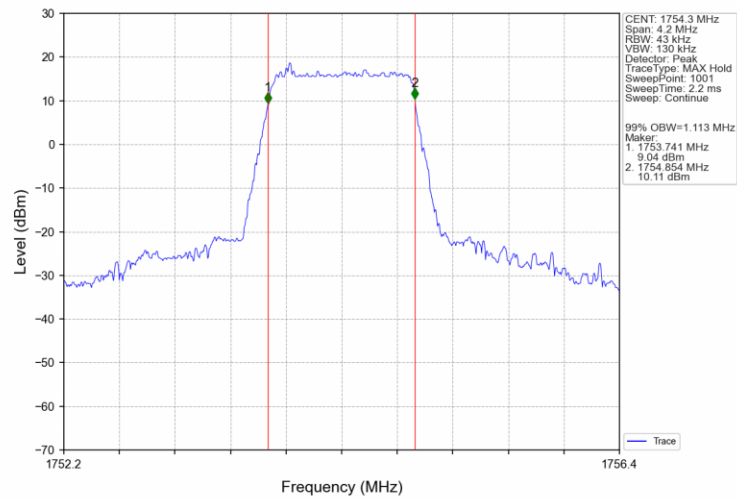
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



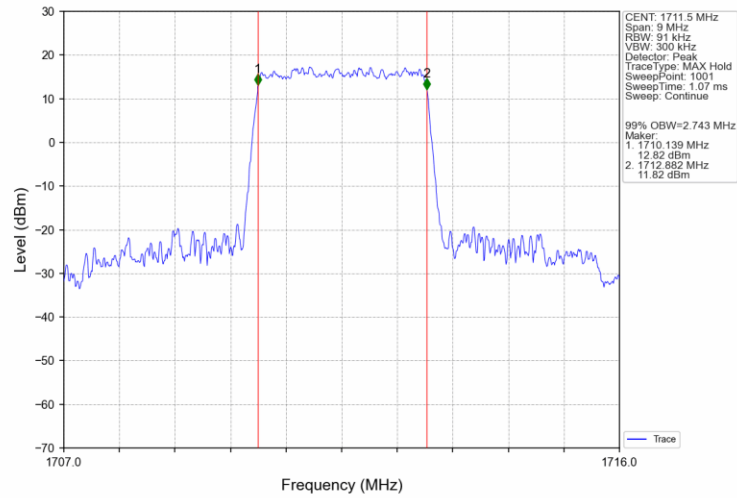
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



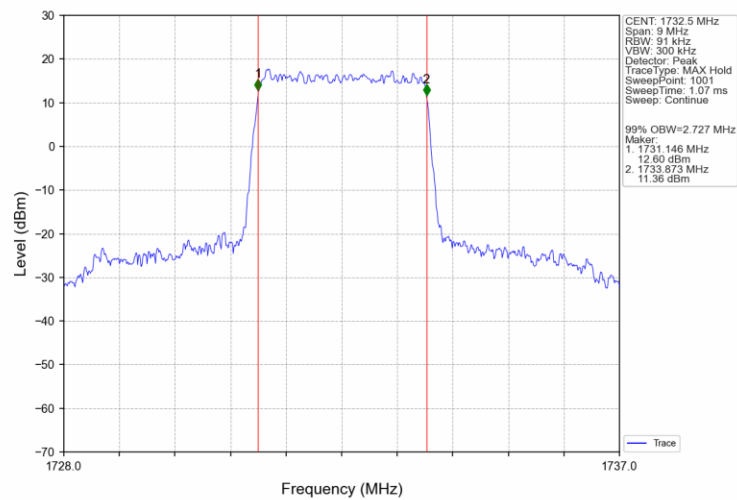
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



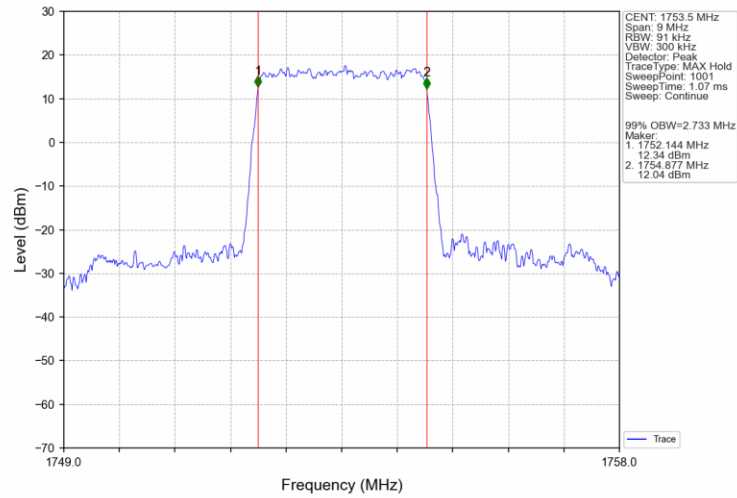
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



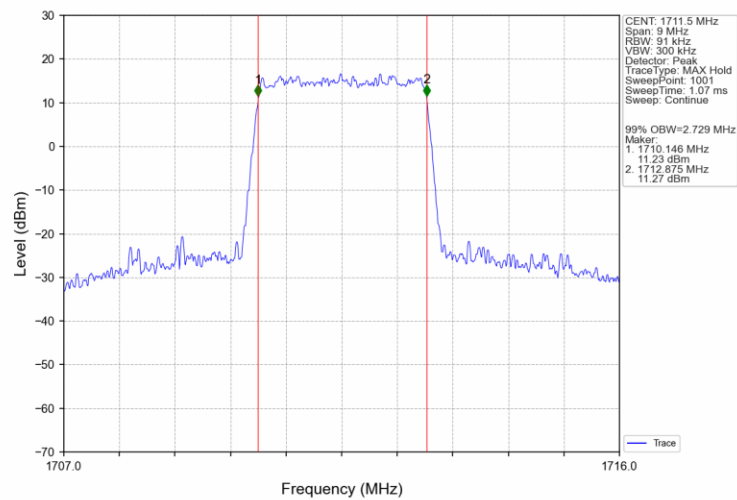
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



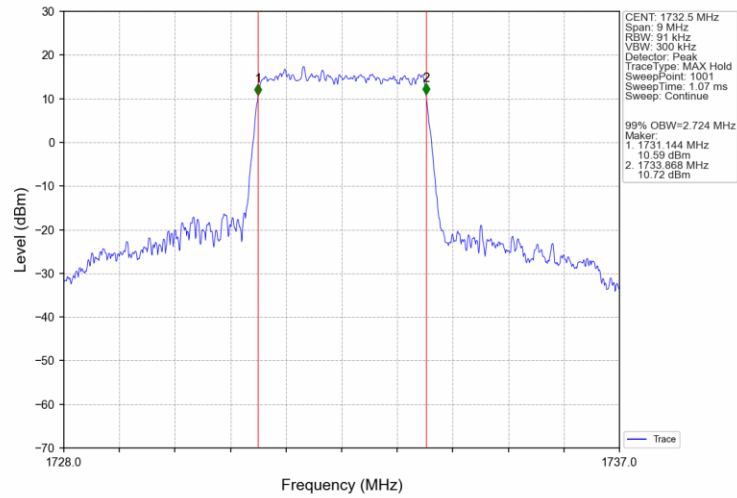
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



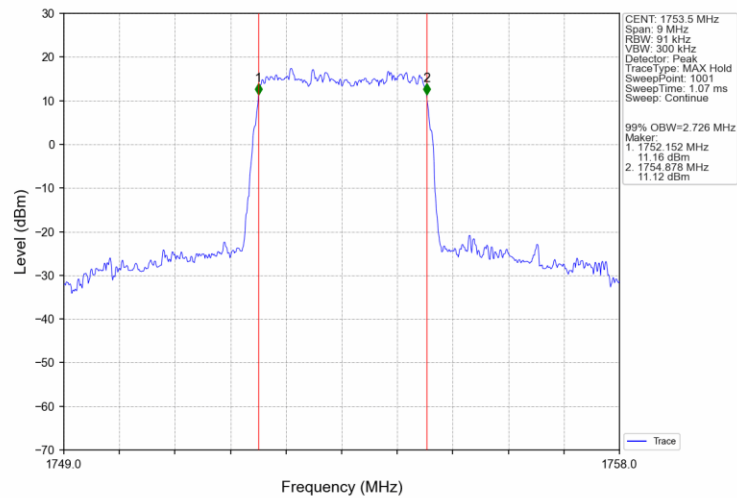
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



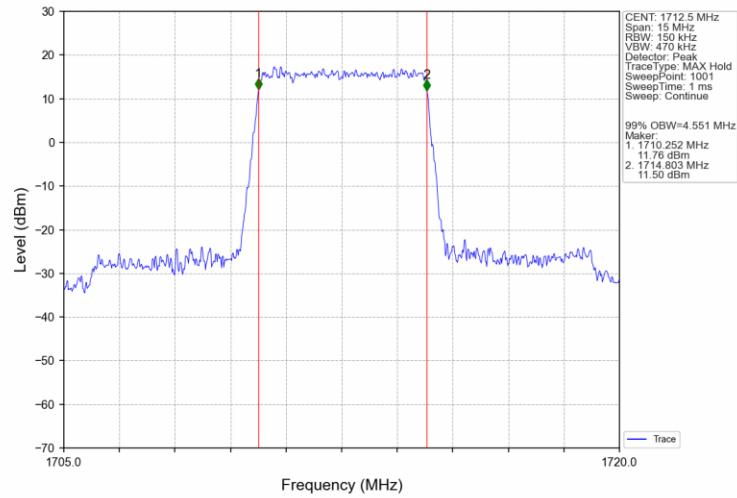
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



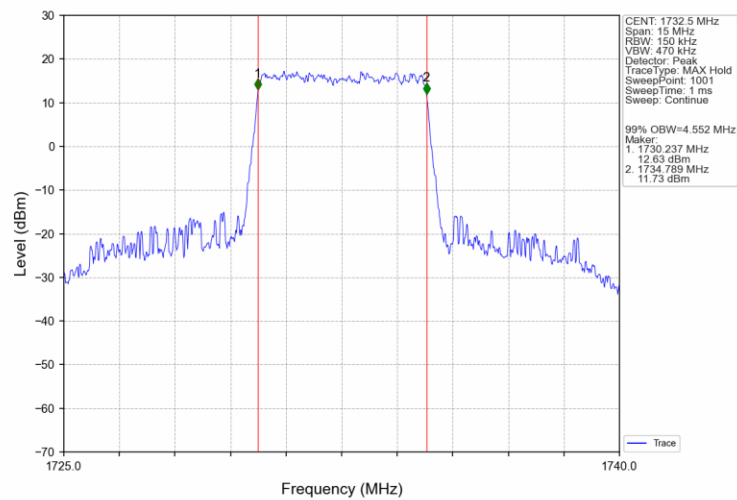
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



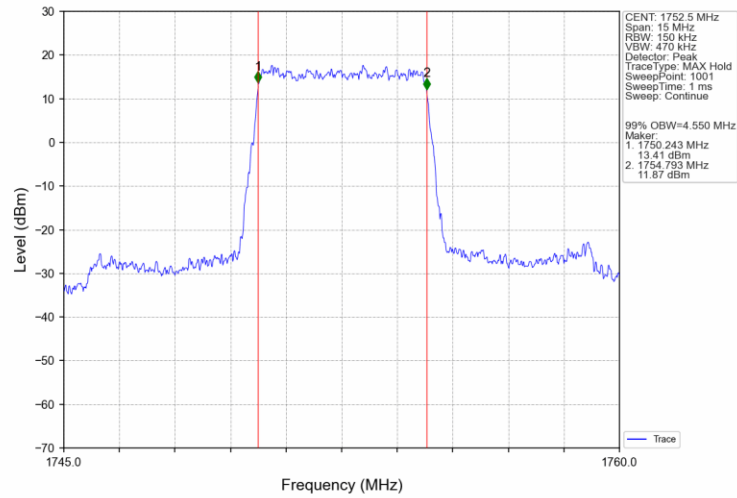
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



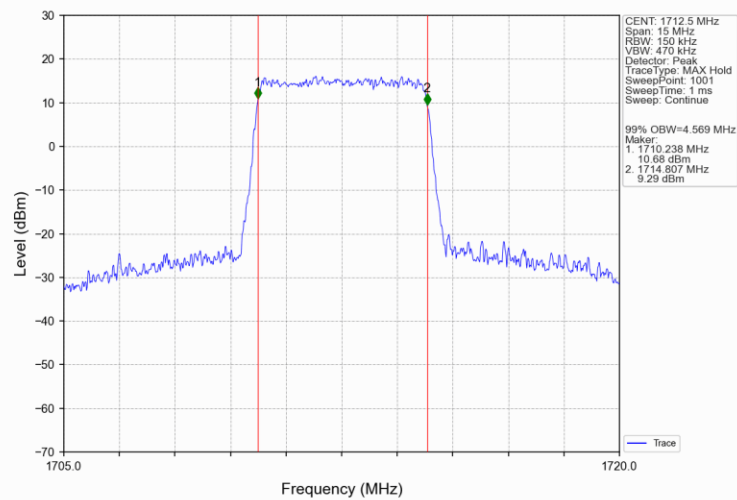
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



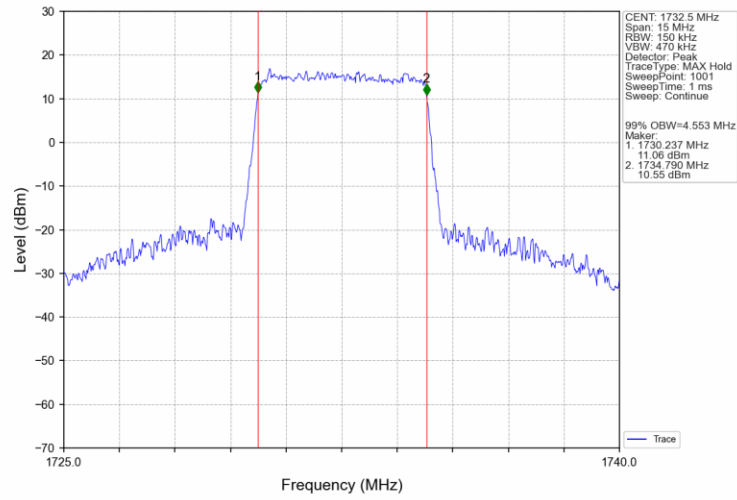
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



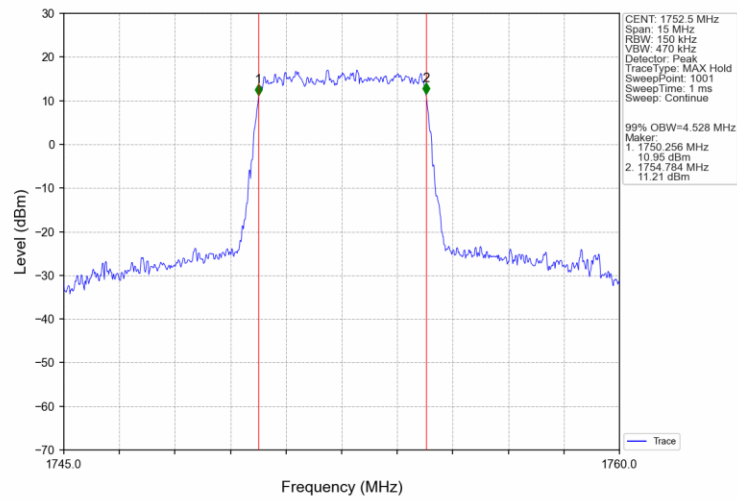
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



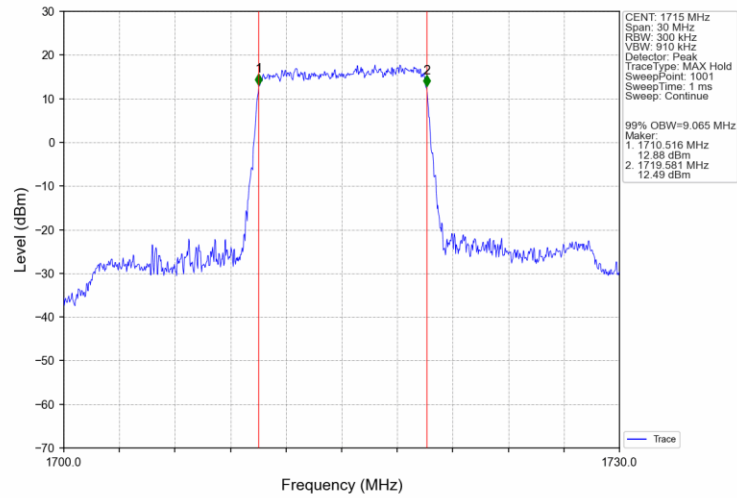
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



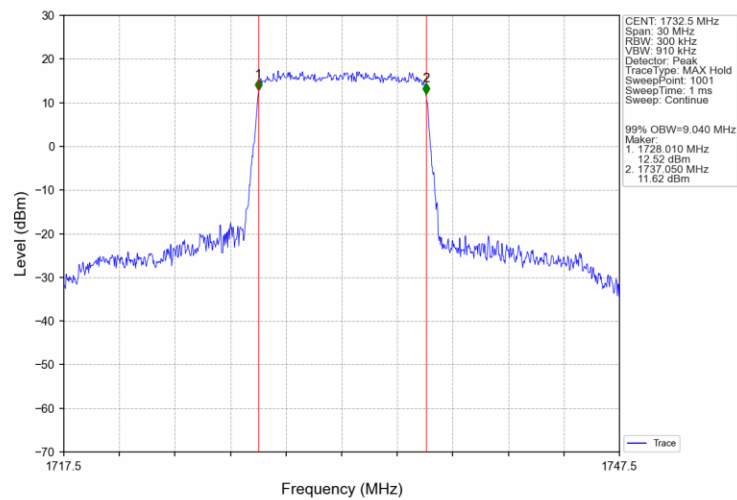
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



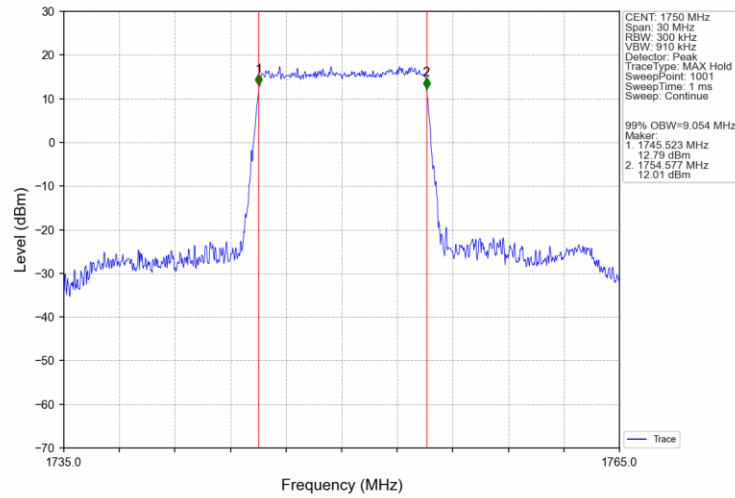
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



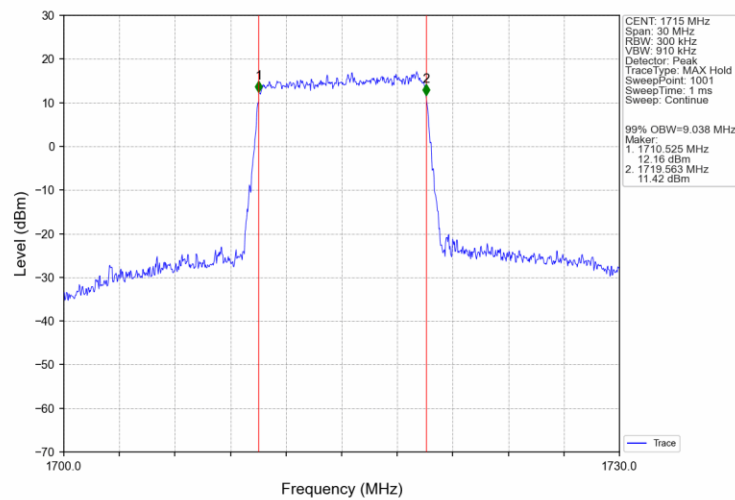
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



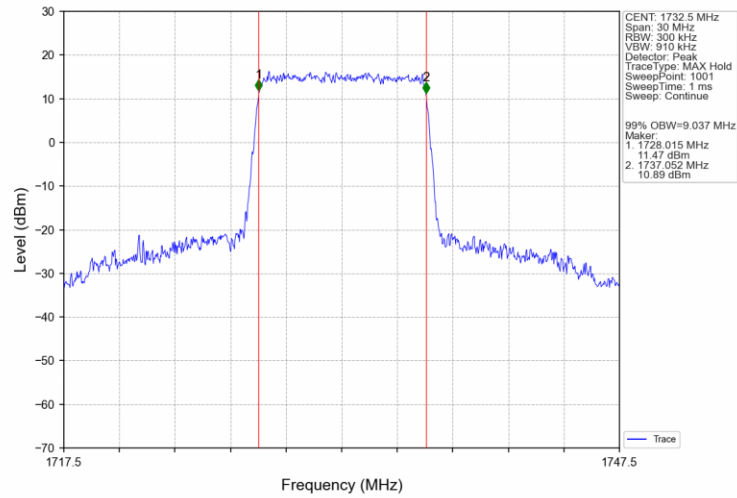
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



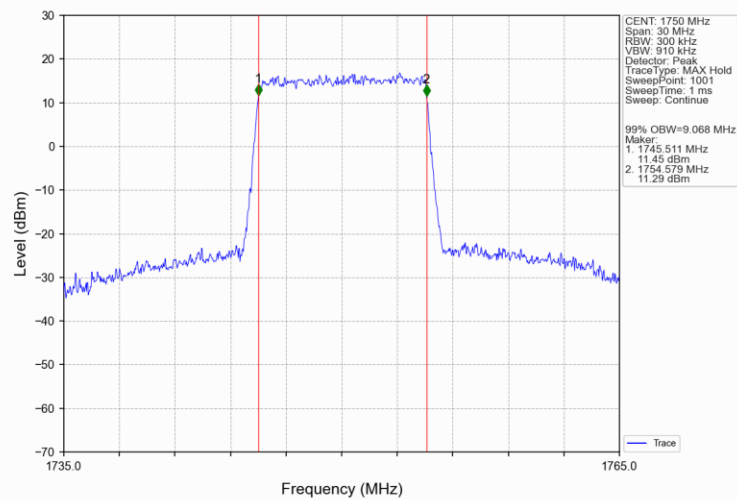
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



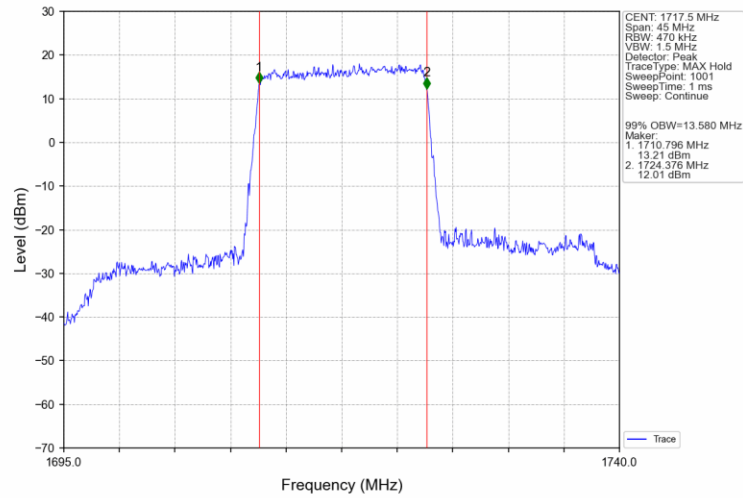
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



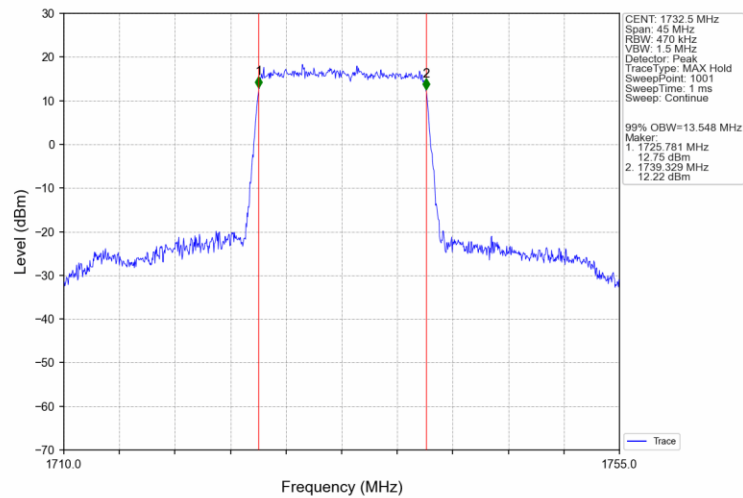
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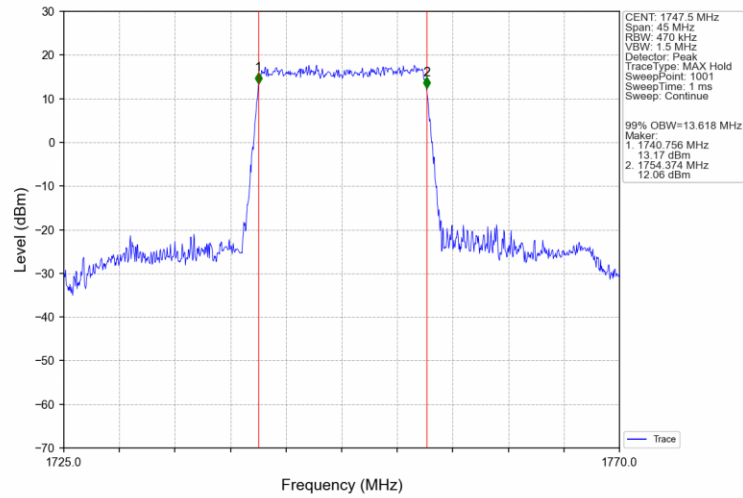
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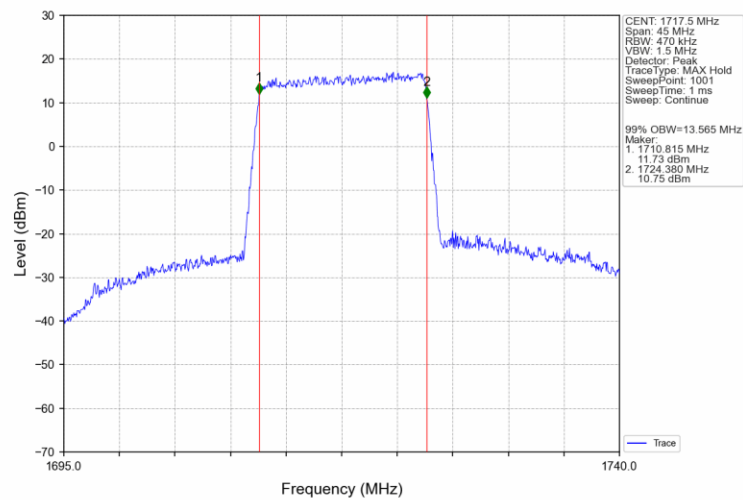
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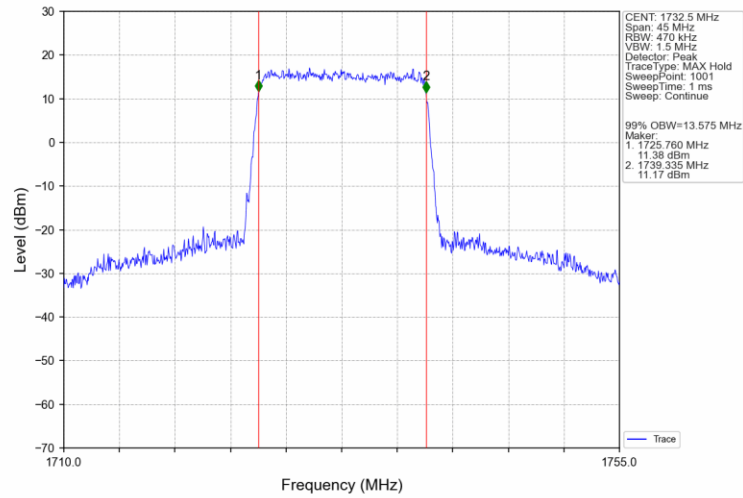
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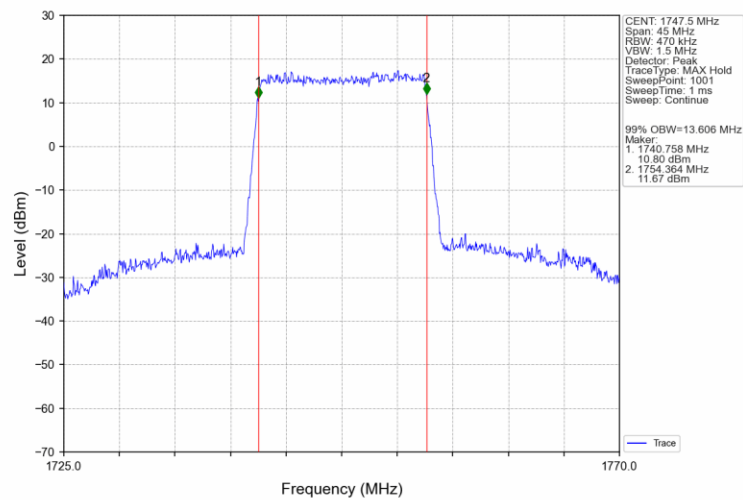
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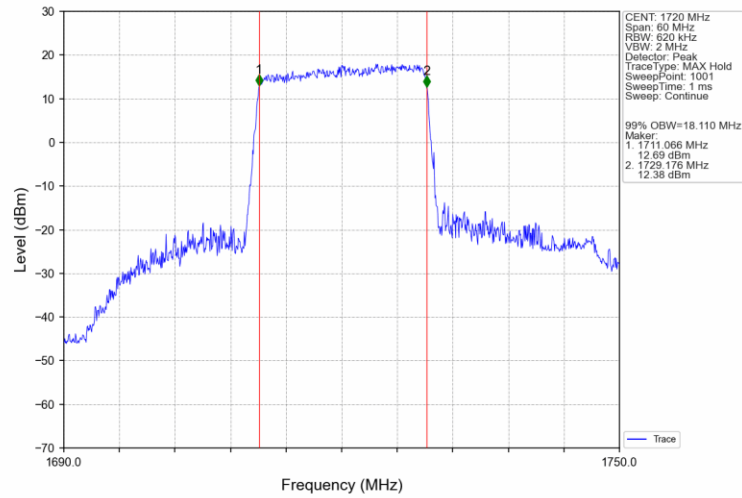
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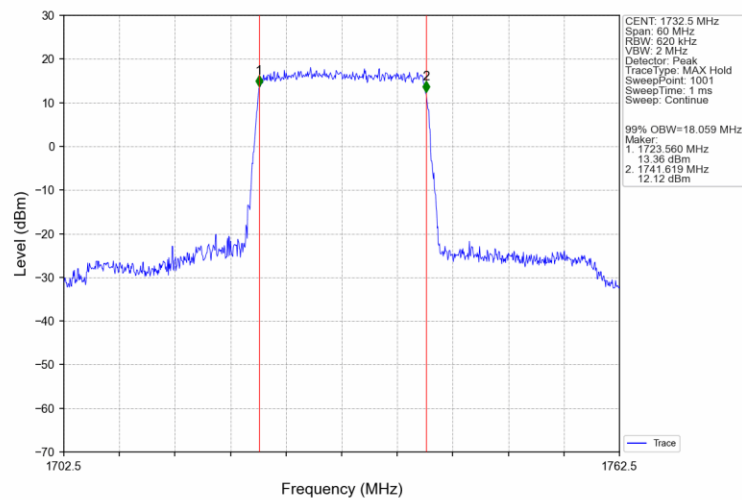
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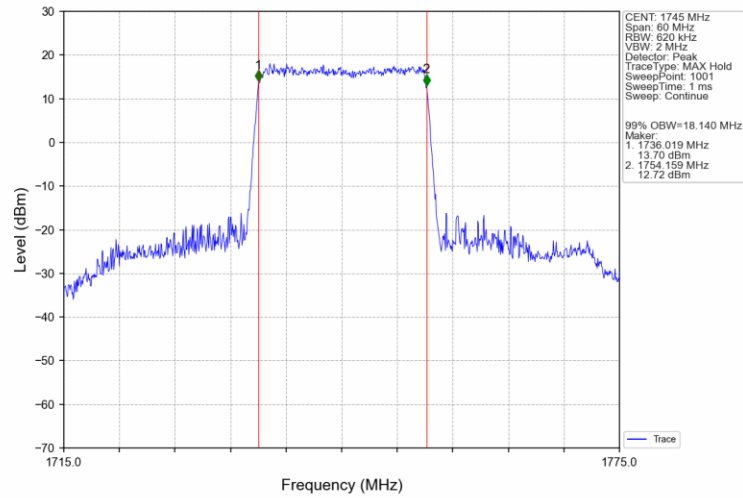
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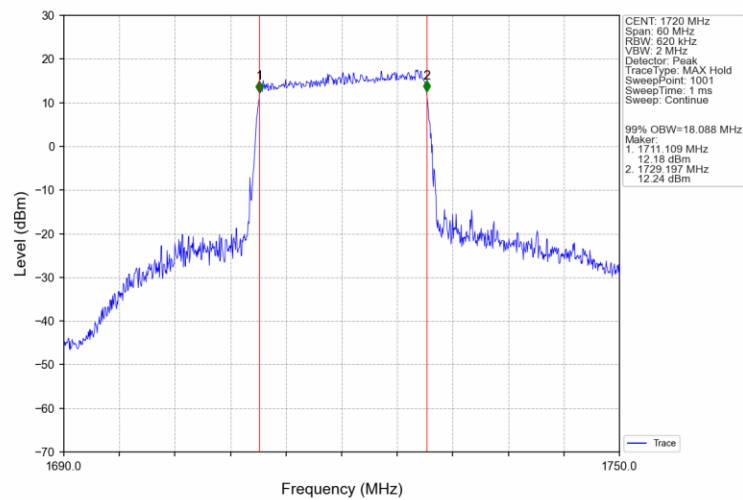
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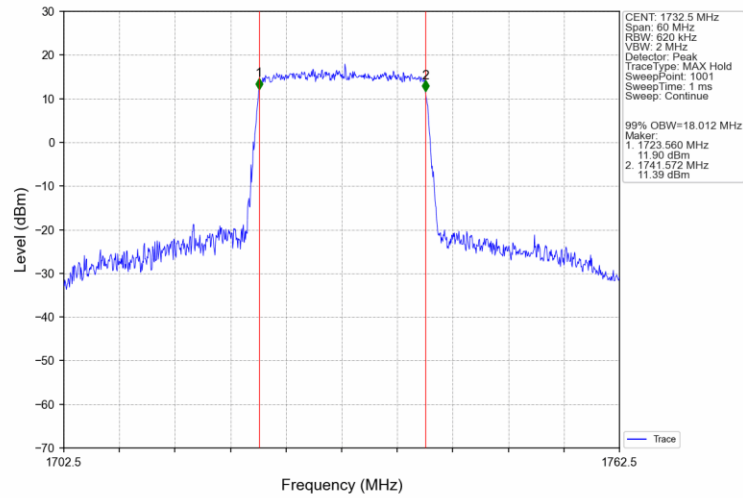
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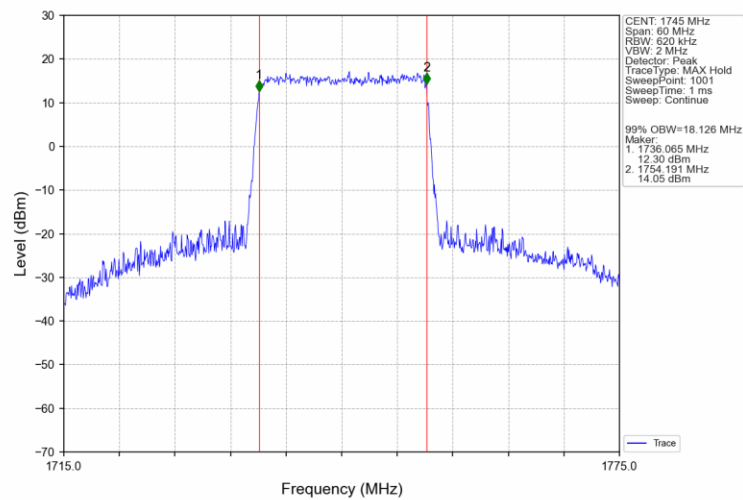
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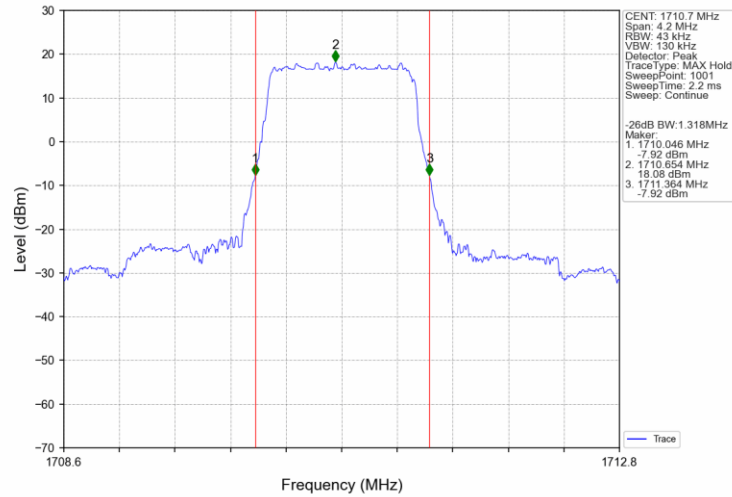


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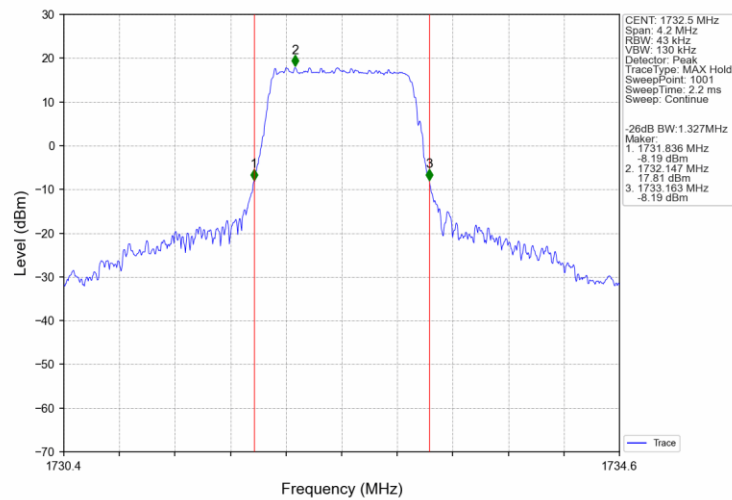


4.2.2 Band4_XDB

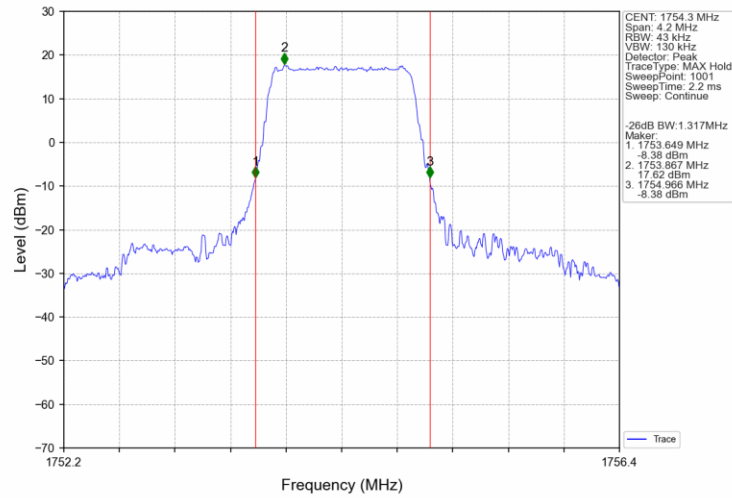
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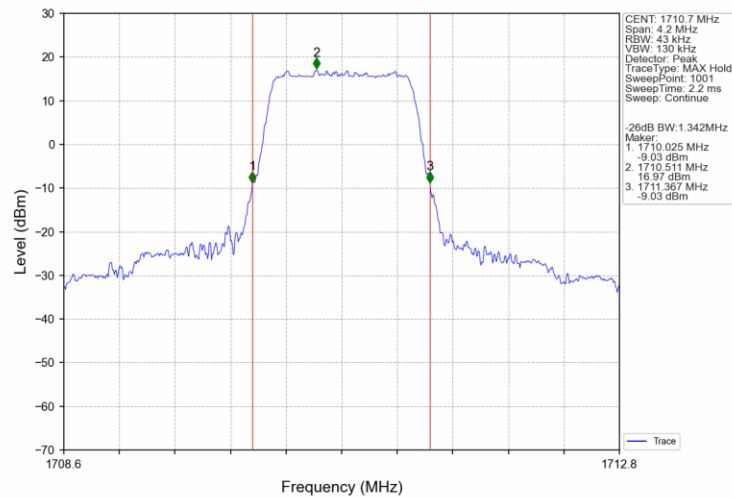
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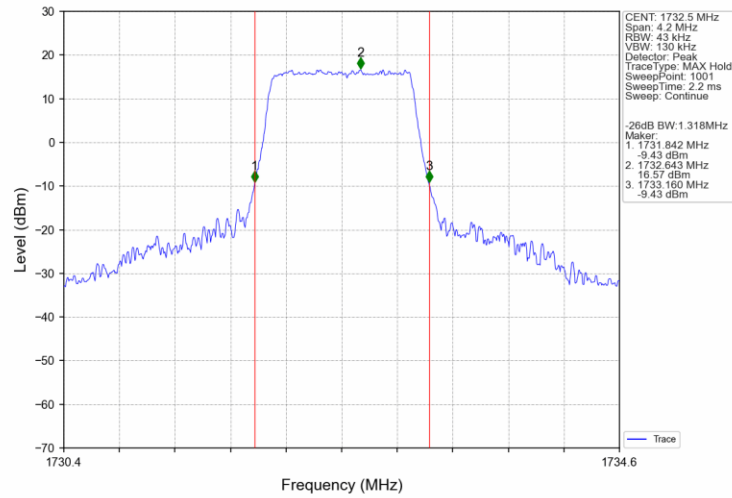
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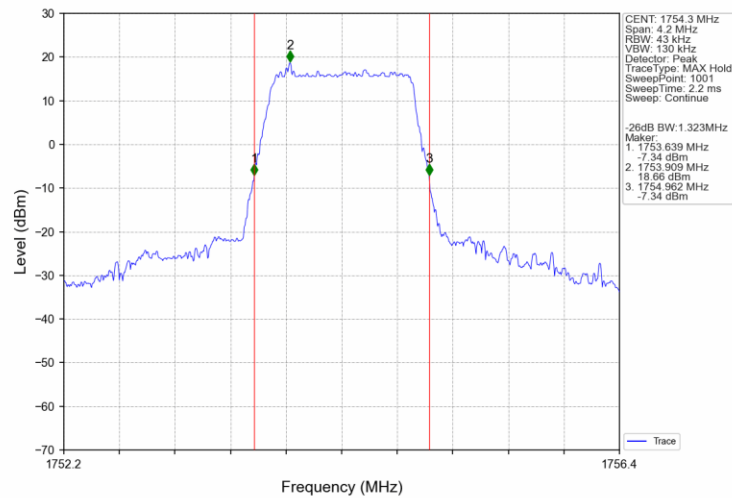
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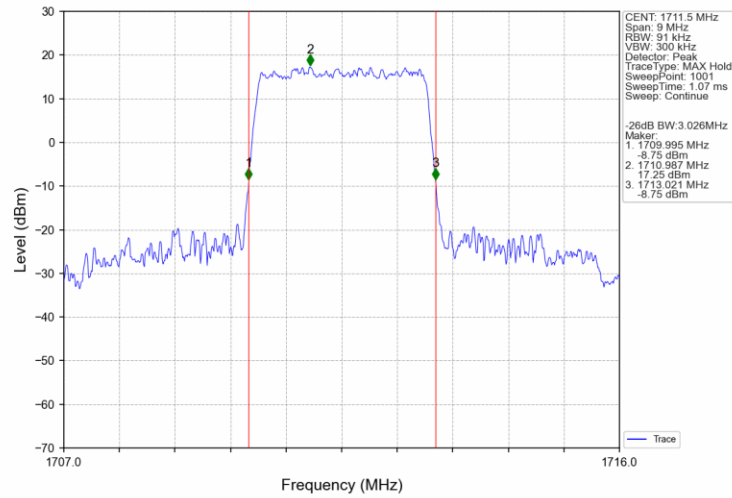
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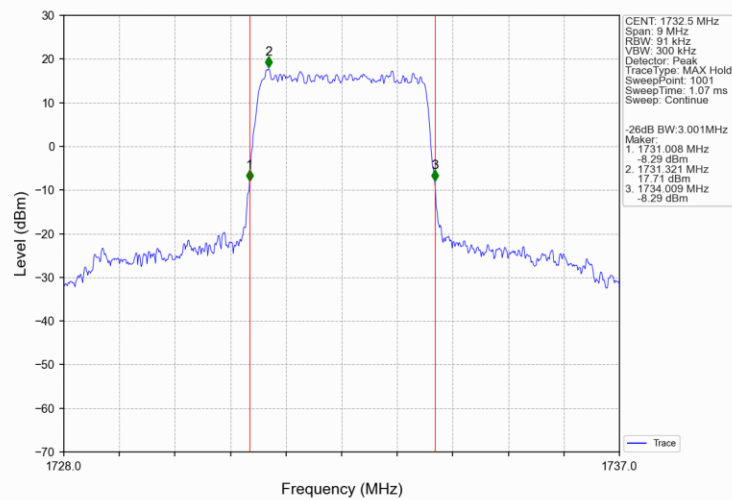
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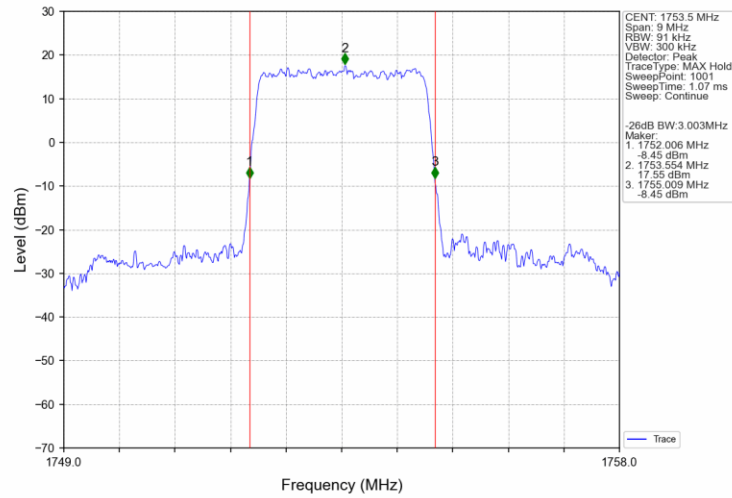
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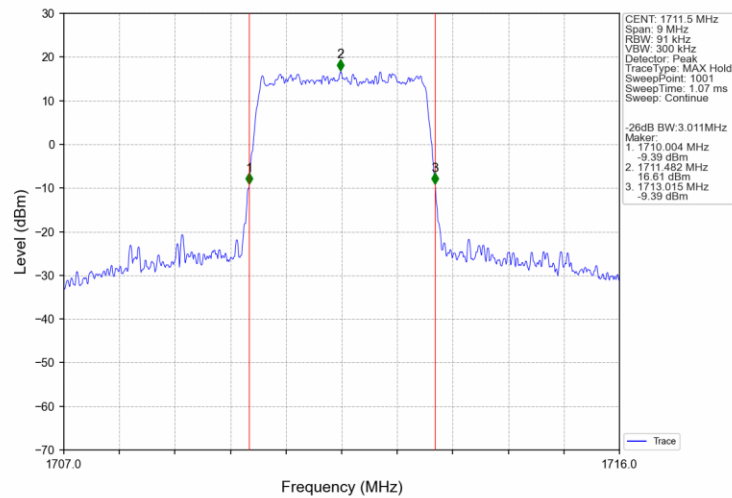
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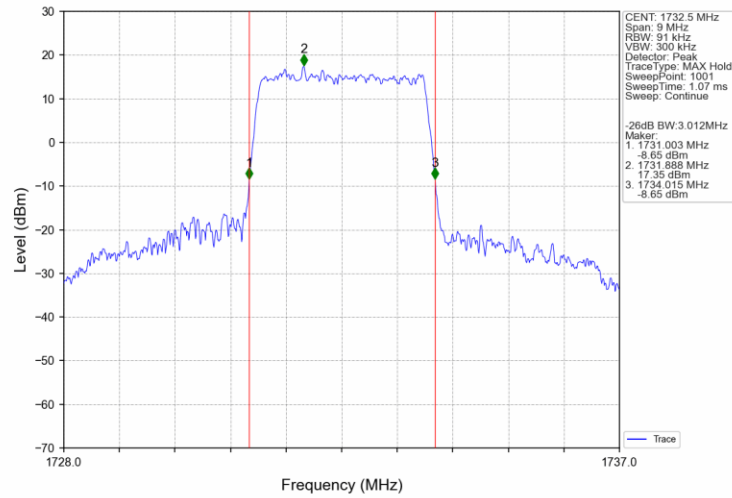
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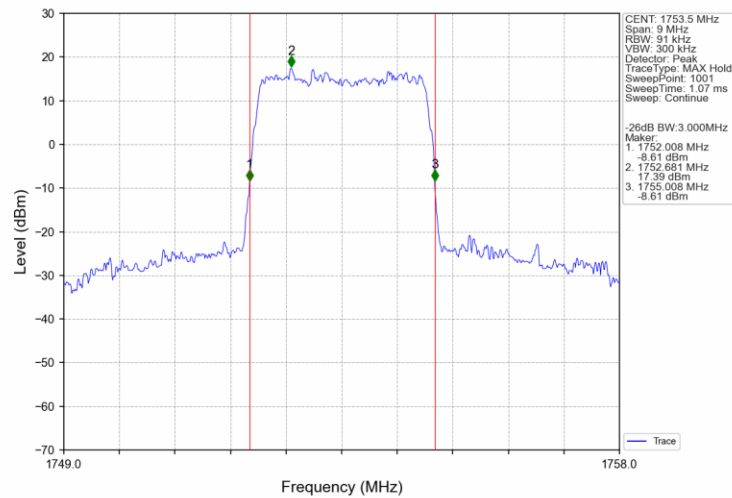
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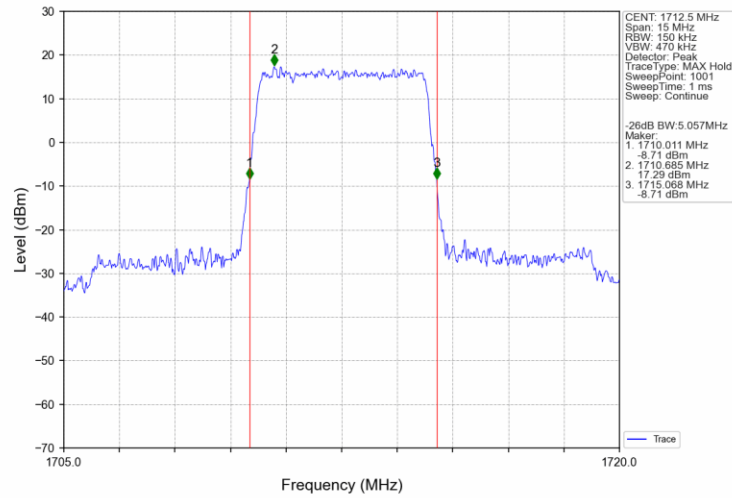
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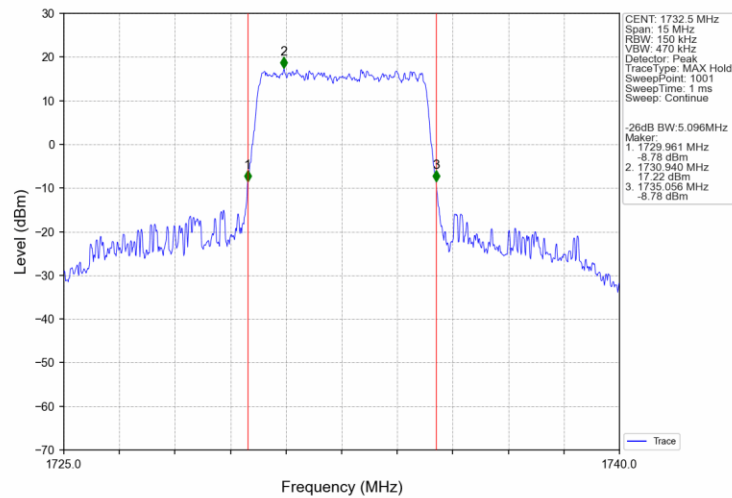
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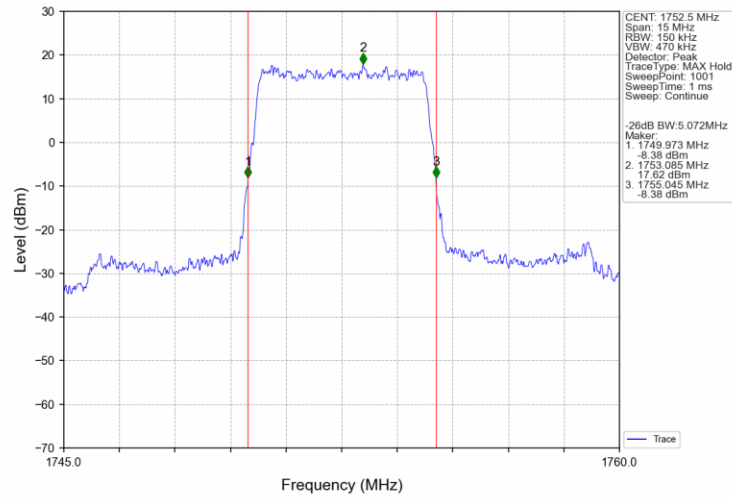
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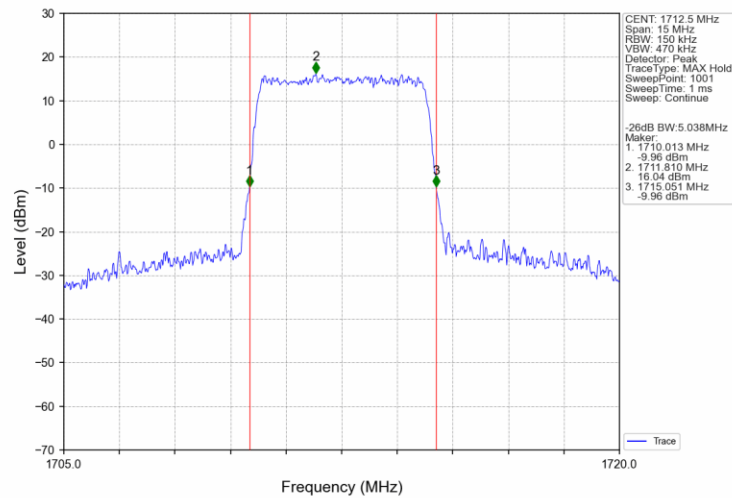
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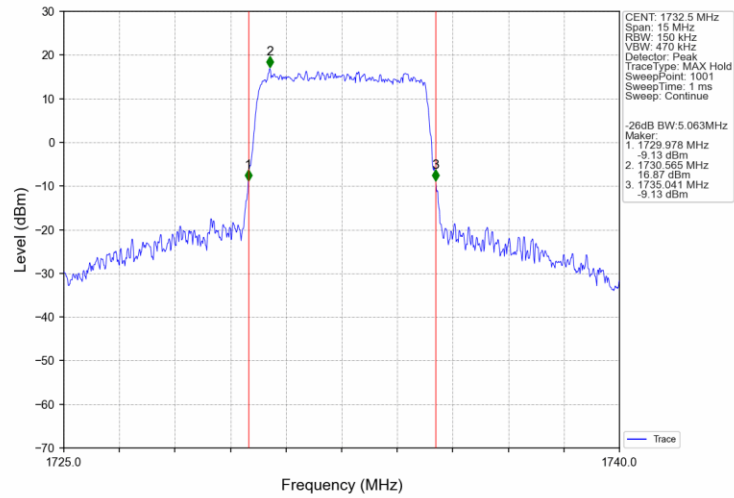
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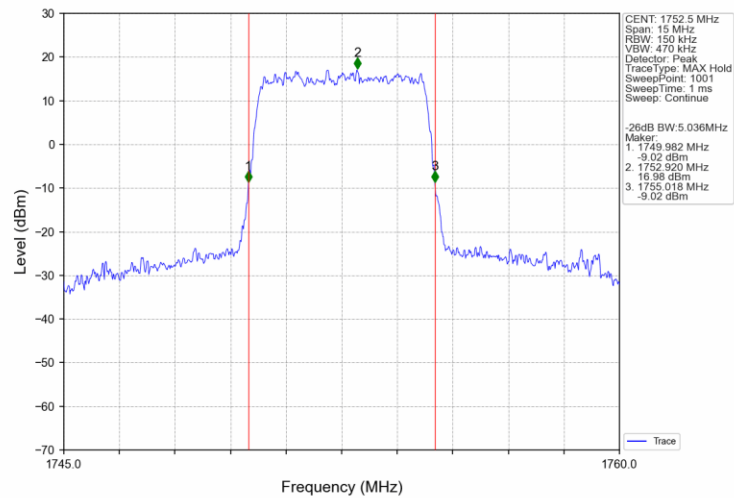
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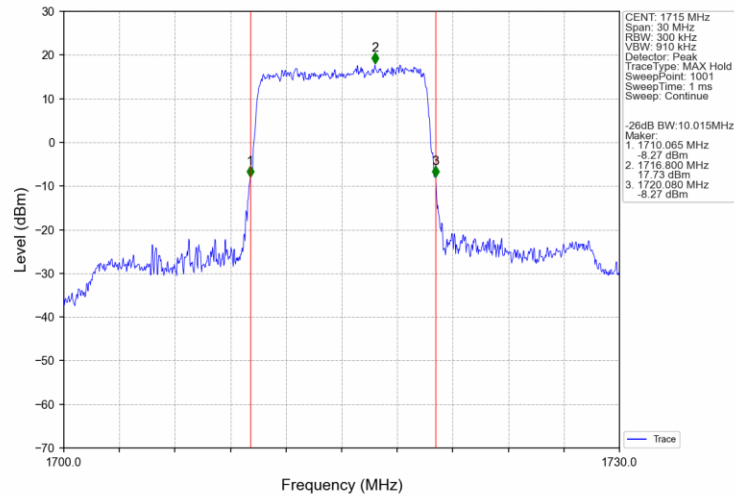
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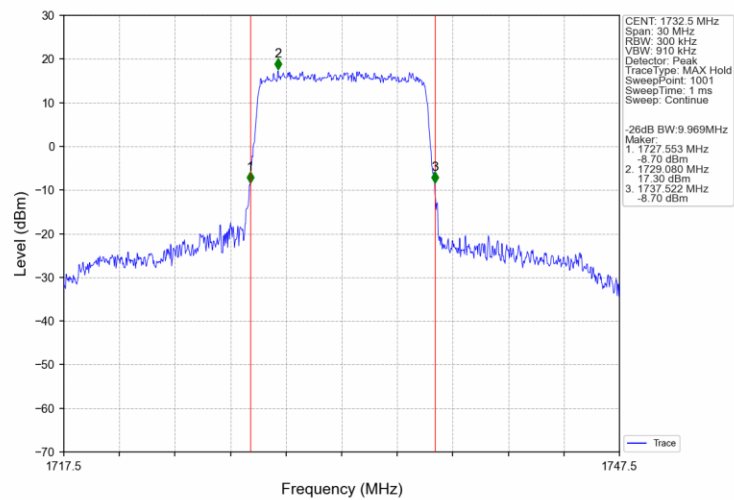
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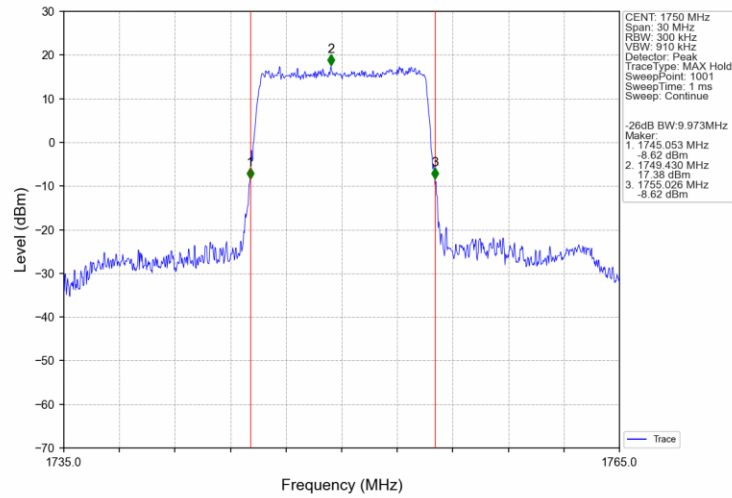
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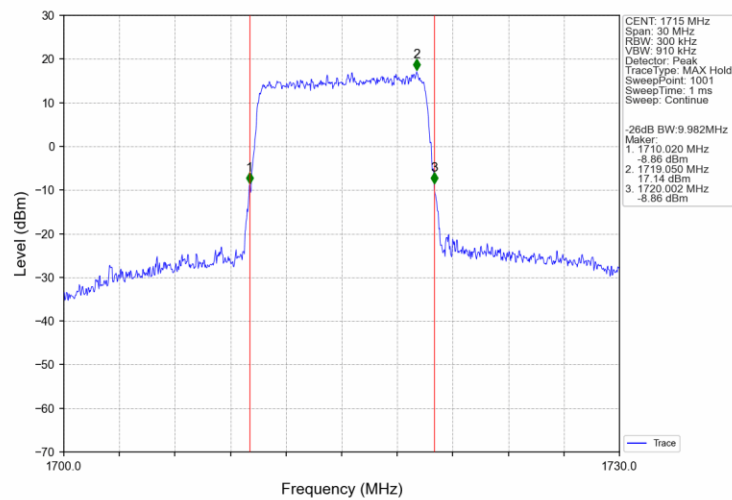
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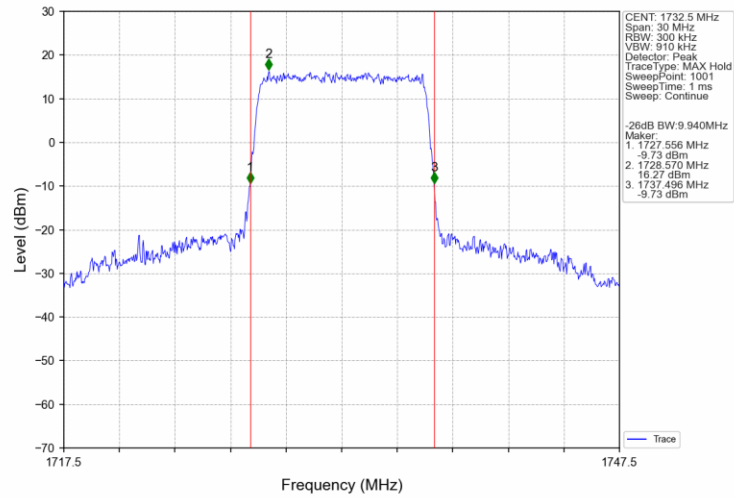
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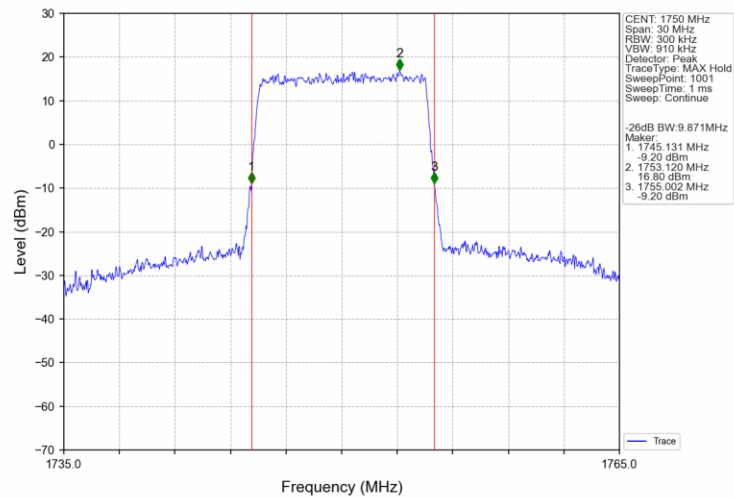
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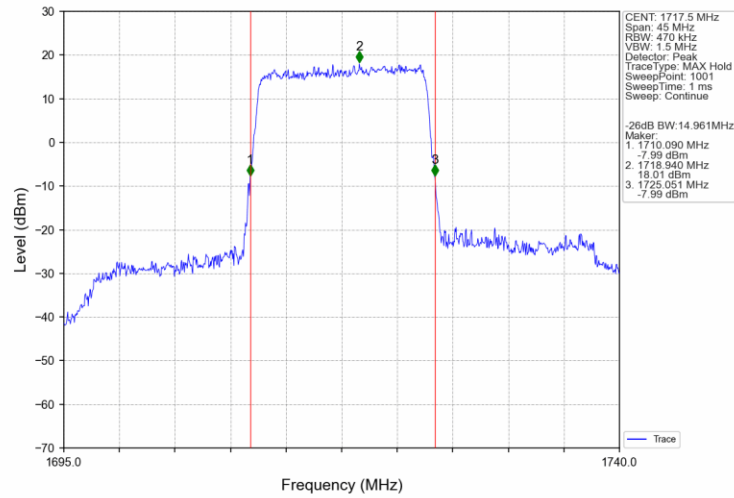
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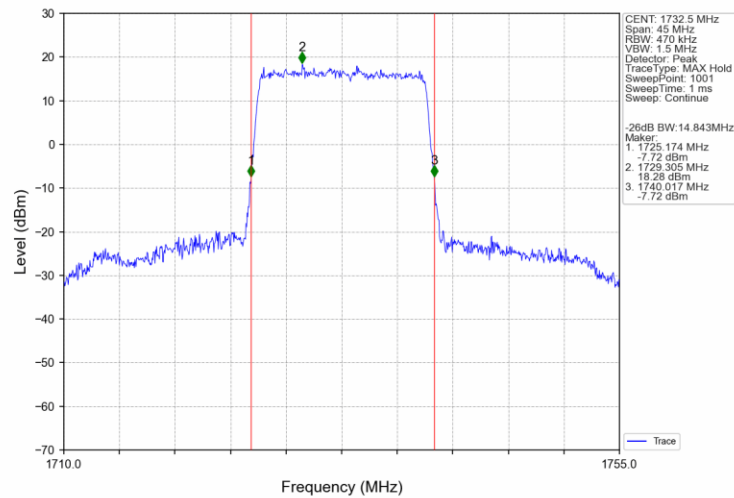
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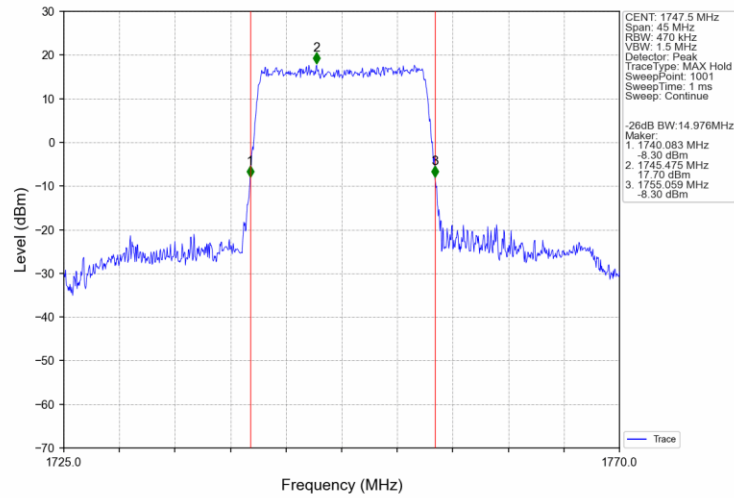
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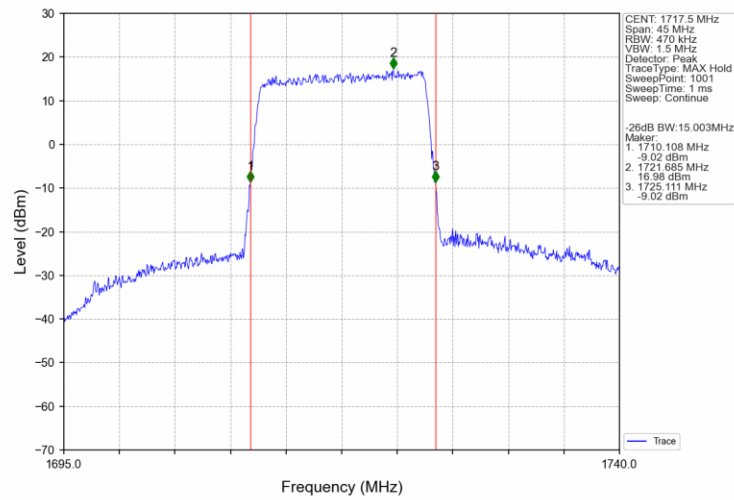
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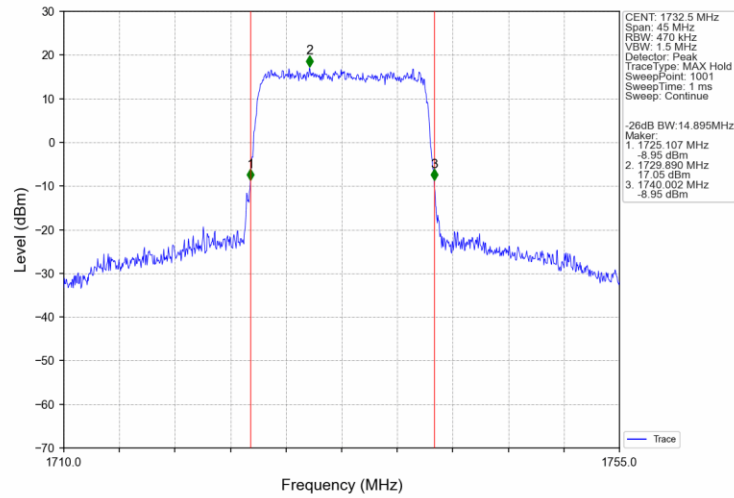
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

