

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	22.13	2.15	24.28	<=30	Pass
			2	21.96	2.15	24.11	<=30	Pass
			5	22.00	2.15	24.15	<=30	Pass
		3	0	22.49	2.15	24.64	<=30	Pass
			2	22.52	2.15	24.67	<=30	Pass
			3	22.49	2.15	24.64	<=30	Pass
		6	0	21.56	2.15	23.71	<=30	Pass
	1732.5	1	0	22.10	2.15	24.25	<=30	Pass
			2	22.14	2.15	24.29	<=30	Pass
			5	22.09	2.15	24.24	<=30	Pass
		3	0	22.71	2.15	24.86	<=30	Pass
			2	22.68	2.15	24.83	<=30	Pass
			3	22.66	2.15	24.81	<=30	Pass
		6	0	21.69	2.15	23.84	<=30	Pass
	1754.3	1	0	21.96	2.15	24.11	<=30	Pass
			2	21.94	2.15	24.09	<=30	Pass
			5	21.96	2.15	24.11	<=30	Pass
		3	0	22.48	2.15	24.63	<=30	Pass
			2	22.48	2.15	24.63	<=30	Pass
			3	22.51	2.15	24.66	<=30	Pass
		6	0	21.46	2.15	23.61	<=30	Pass
16QAM	1710.7	1	0	21.19	2.15	23.34	<=30	Pass
			2	21.18	2.15	23.33	<=30	Pass
			5	21.18	2.15	23.33	<=30	Pass
		3	0	21.49	2.15	23.64	<=30	Pass
			2	21.49	2.15	23.64	<=30	Pass
			3	21.51	2.15	23.66	<=30	Pass
		6	0	20.57	2.15	22.72	<=30	Pass
	1732.5	1	0	21.17	2.15	23.32	<=30	Pass
			2	21.16	2.15	23.31	<=30	Pass
			5	21.19	2.15	23.34	<=30	Pass
		3	0	21.83	2.15	23.98	<=30	Pass
			2	21.83	2.15	23.98	<=30	Pass
			3	21.83	2.15	23.98	<=30	Pass
		6	0	20.66	2.15	22.81	<=30	Pass
	1754.3	1	0	20.99	2.15	23.14	<=30	Pass
			2	20.96	2.15	23.11	<=30	Pass
			5	20.98	2.15	23.13	<=30	Pass
		3	0	21.48	2.15	23.63	<=30	Pass
			2	21.50	2.15	23.65	<=30	Pass
			3	21.46	2.15	23.61	<=30	Pass
		6	0	20.36	2.15	22.51	<=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	21.99	2.15	24.14	<=30	Pass
			7	21.98	2.15	24.13	<=30	Pass
			14	21.97	2.15	24.12	<=30	Pass
		8	0	21.48	2.15	23.63	<=30	Pass
			4	21.47	2.15	23.62	<=30	Pass
			7	21.49	2.15	23.64	<=30	Pass
		15	0	21.50	2.15	23.65	<=30	Pass
	1732.5	1	0	22.10	2.15	24.25	<=30	Pass
			7	22.10	2.15	24.25	<=30	Pass
			14	22.10	2.15	24.25	<=30	Pass
		8	0	21.66	2.15	23.81	<=30	Pass
			4	21.61	2.15	23.76	<=30	Pass
			7	21.61	2.15	23.76	<=30	Pass
		15	0	21.61	2.15	23.76	<=30	Pass
	1753.5	1	0	21.93	2.15	24.08	<=30	Pass
			7	21.89	2.15	24.04	<=30	Pass
			14	21.86	2.15	24.01	<=30	Pass
		8	0	21.37	2.15	23.52	<=30	Pass
			4	21.37	2.15	23.52	<=30	Pass
			7	21.36	2.15	23.51	<=30	Pass
		15	0	21.37	2.15	23.52	<=30	Pass
16QAM	1711.5	1	0	21.05	2.15	23.20	<=30	Pass
			7	21.06	2.15	23.21	<=30	Pass
			14	21.02	2.15	23.17	<=30	Pass
		8	0	20.57	2.15	22.72	<=30	Pass
			4	20.56	2.15	22.71	<=30	Pass
			7	20.57	2.15	22.72	<=30	Pass
		15	0	20.55	2.15	22.70	<=30	Pass
	1732.5	1	0	21.34	2.15	23.49	<=30	Pass
			7	21.36	2.15	23.51	<=30	Pass
			14	21.31	2.15	23.46	<=30	Pass
		8	0	20.61	2.15	22.76	<=30	Pass
			4	20.59	2.15	22.74	<=30	Pass
			7	20.56	2.15	22.71	<=30	Pass
		15	0	20.56	2.15	22.71	<=30	Pass
	1753.5	1	0	21.51	2.15	23.66	<=30	Pass
			7	21.47	2.15	23.62	<=30	Pass
			14	21.43	2.15	23.58	<=30	Pass
		8	0	20.57	2.15	22.72	<=30	Pass
			4	20.54	2.15	22.69	<=30	Pass
			7	20.54	2.15	22.69	<=30	Pass
		15	0	20.46	2.15	22.61	<=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	22.10	2.15	24.25	<=30	Pass
			13	22.00	2.15	24.15	<=30	Pass
			24	22.11	2.15	24.26	<=30	Pass
		12	0	21.51	2.15	23.66	<=30	Pass

			6	21.50	2.15	23.65	<=30	Pass	
			13	21.52	2.15	23.67	<=30	Pass	
			25	0	21.56	2.15	23.71	<=30	Pass
		1732.5	1	0	22.17	2.15	24.32	<=30	Pass
				13	22.13	2.15	24.28	<=30	Pass
				24	22.18	2.15	24.33	<=30	Pass
			12	0	21.71	2.15	23.86	<=30	Pass
				6	21.66	2.15	23.81	<=30	Pass
				13	21.60	2.15	23.75	<=30	Pass
	25		0	21.66	2.15	23.81	<=30	Pass	
	1752.5	1	0	22.09	2.15	24.24	<=30	Pass	
			13	22.01	2.15	24.16	<=30	Pass	
			24	22.05	2.15	24.20	<=30	Pass	
		12	0	21.38	2.15	23.53	<=30	Pass	
			6	21.43	2.15	23.58	<=30	Pass	
			13	21.41	2.15	23.56	<=30	Pass	
		25	0	21.45	2.15	23.60	<=30	Pass	
	16QAM	1712.5	1	0	21.20	2.15	23.35	<=30	Pass
				13	21.12	2.15	23.27	<=30	Pass
				24	21.21	2.15	23.36	<=30	Pass
			12	0	20.49	2.15	22.64	<=30	Pass
				6	20.49	2.15	22.64	<=30	Pass
				13	20.49	2.15	22.64	<=30	Pass
		25	0	20.56	2.15	22.71	<=30	Pass	
1732.5		1	0	21.47	2.15	23.62	<=30	Pass	
			13	21.37	2.15	23.52	<=30	Pass	
			24	21.46	2.15	23.61	<=30	Pass	
		12	0	20.73	2.15	22.88	<=30	Pass	
			6	20.66	2.15	22.81	<=30	Pass	
			13	20.62	2.15	22.77	<=30	Pass	
25		0	20.65	2.15	22.80	<=30	Pass		
1752.5		1	0	20.87	2.15	23.02	<=30	Pass	
			13	20.79	2.15	22.94	<=30	Pass	
			24	20.84	2.15	22.99	<=30	Pass	
		12	0	20.41	2.15	22.56	<=30	Pass	
			6	20.42	2.15	22.57	<=30	Pass	
			13	20.39	2.15	22.54	<=30	Pass	
25		0	20.47	2.15	22.62	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain									

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	22.05	2.15	24.20	<=30	Pass
			25	22.00	2.15	24.15	<=30	Pass
			49	22.13	2.15	24.28	<=30	Pass
		25	0	21.49	2.15	23.64	<=30	Pass
			13	21.55	2.15	23.70	<=30	Pass
			25	21.67	2.15	23.82	<=30	Pass
	1732.5	50	0	21.60	2.15	23.75	<=30	Pass
		1	0	22.09	2.15	24.24	<=30	Pass
			25	22.15	2.15	24.30	<=30	Pass
			49	22.12	2.15	24.27	<=30	Pass
		25	0	21.67	2.15	23.82	<=30	Pass
			13	21.69	2.15	23.84	<=30	Pass

16QAM	1750	50	25	21.62	2.15	23.77	<=30	Pass
			0	21.65	2.15	23.80	<=30	Pass
			0	21.95	2.15	24.10	<=30	Pass
		1	25	21.90	2.15	24.05	<=30	Pass
			49	21.88	2.15	24.03	<=30	Pass
			0	21.40	2.15	23.55	<=30	Pass
		25	13	21.39	2.15	23.54	<=30	Pass
			25	21.44	2.15	23.59	<=30	Pass
			0	21.47	2.15	23.62	<=30	Pass
		50	0	21.05	2.15	23.20	<=30	Pass
			25	21.02	2.15	23.17	<=30	Pass
			49	21.14	2.15	23.29	<=30	Pass
16QAM	1715	1	0	21.05	2.15	23.20	<=30	Pass
			25	21.02	2.15	23.17	<=30	Pass
			49	21.14	2.15	23.29	<=30	Pass
		12	0	21.55	2.15	23.70	<=30	Pass
			19	21.59	2.15	23.74	<=30	Pass
			38	21.69	2.15	23.84	<=30	Pass
		27	0	20.47	2.15	22.62	<=30	Pass
			0	21.31	2.15	23.46	<=30	Pass
			25	21.34	2.15	23.49	<=30	Pass
	1732.5	1	49	21.34	2.15	23.49	<=30	Pass
			0	21.58	2.15	23.73	<=30	Pass
			19	21.64	2.15	23.79	<=30	Pass
		12	38	21.62	2.15	23.77	<=30	Pass
			0	20.67	2.15	22.82	<=30	Pass
			0	21.54	2.15	23.69	<=30	Pass
		1	25	21.45	2.15	23.60	<=30	Pass
			49	21.44	2.15	23.59	<=30	Pass
			0	21.50	2.15	23.65	<=30	Pass
	1750	12	19	21.44	2.15	23.59	<=30	Pass
			38	21.49	2.15	23.64	<=30	Pass
			23	20.44	2.15	22.59	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	21.89	2.15	24.04	<=30	Pass
			38	21.94	2.15	24.09	<=30	Pass
			74	21.98	2.15	24.13	<=30	Pass
		36	0	21.41	2.15	23.56	<=30	Pass
			18	21.49	2.15	23.64	<=30	Pass
			39	21.64	2.15	23.79	<=30	Pass
		75	0	21.54	2.15	23.69	<=30	Pass
			0	22.01	2.15	24.16	<=30	Pass
			38	22.11	2.15	24.26	<=30	Pass
	1732.5	1	74	22.03	2.15	24.18	<=30	Pass
			0	21.59	2.15	23.74	<=30	Pass
			18	21.59	2.15	23.74	<=30	Pass
		36	39	21.55	2.15	23.70	<=30	Pass
			0	21.58	2.15	23.73	<=30	Pass
			0	21.95	2.15	24.10	<=30	Pass
		1	38	21.96	2.15	24.11	<=30	Pass
			74	21.80	2.15	23.95	<=30	Pass
			0	21.46	2.15	23.61	<=30	Pass
	1747.5	36	18	21.45	2.15	23.60	<=30	Pass
			39	21.46	2.15	23.61	<=30	Pass

		75	0	21.47	2.15	23.62	<=30	Pass
16QAM	1717.5	1	0	21.32	2.15	23.47	<=30	Pass
			38	21.37	2.15	23.52	<=30	Pass
			74	21.45	2.15	23.60	<=30	Pass
			0	21.39	2.15	23.54	<=30	Pass
		12	31	21.49	2.15	23.64	<=30	Pass
			63	21.53	2.15	23.68	<=30	Pass
			27	0	20.43	2.15	22.58	<=30
		1732.5	1	0	21.22	2.15	23.37	<=30
	38			21.31	2.15	23.46	<=30	Pass
	74			21.23	2.15	23.38	<=30	Pass
	12		0	21.55	2.15	23.70	<=30	Pass
			31	21.63	2.15	23.78	<=30	Pass
			63	21.59	2.15	23.74	<=30	Pass
	27		0	20.61	2.15	22.76	<=30	Pass
	1747.5		1	0	21.55	2.15	23.70	<=30
		38		21.57	2.15	23.72	<=30	Pass
		74		21.40	2.15	23.55	<=30	Pass
		12	0	21.51	2.15	23.66	<=30	Pass
			31	21.51	2.15	23.66	<=30	Pass
			63	21.42	2.15	23.57	<=30	Pass
		27	48	20.40	2.15	22.55	<=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	21.88	2.15	24.03	<=30	Pass
			50	22.00	2.15	24.15	<=30	Pass
			99	21.97	2.15	24.12	<=30	Pass
		50	0	21.33	2.15	23.48	<=30	Pass
			25	21.59	2.15	23.74	<=30	Pass
			50	21.75	2.15	23.90	<=30	Pass
		100	0	21.57	2.15	23.72	<=30	Pass
	1732.5	1	0	22.01	2.15	24.16	<=30	Pass
			50	22.15	2.15	24.30	<=30	Pass
			99	21.97	2.15	24.12	<=30	Pass
		50	0	21.54	2.15	23.69	<=30	Pass
			25	21.62	2.15	23.77	<=30	Pass
			50	21.56	2.15	23.71	<=30	Pass
		100	0	21.53	2.15	23.68	<=30	Pass
	1745	1	0	22.05	2.15	24.20	<=30	Pass
			50	22.05	2.15	24.20	<=30	Pass
			99	21.85	2.15	24.00	<=30	Pass
		50	0	21.56	2.15	23.71	<=30	Pass
			25	21.51	2.15	23.66	<=30	Pass
			50	21.52	2.15	23.67	<=30	Pass
		100	0	21.54	2.15	23.69	<=30	Pass
16QAM	1720	1	0	21.48	2.15	23.63	<=30	Pass
			50	21.60	2.15	23.75	<=30	Pass
			99	21.68	2.15	23.83	<=30	Pass
		12	0	21.43	2.15	23.58	<=30	Pass
			44	21.56	2.15	23.71	<=30	Pass
			88	21.56	2.15	23.71	<=30	Pass
		27	0	20.38	2.15	22.53	<=30	Pass

	1732.5	1	0	21.26	2.15	23.41	<=30	Pass
			50	21.39	2.15	23.54	<=30	Pass
			99	21.19	2.15	23.34	<=30	Pass
		12	0	21.50	2.15	23.65	<=30	Pass
			44	21.63	2.15	23.78	<=30	Pass
			88	21.44	2.15	23.59	<=30	Pass
		27	0	20.48	2.15	22.63	<=30	Pass
	1745	1	0	21.35	2.15	23.50	<=30	Pass
			50	21.32	2.15	23.47	<=30	Pass
			99	21.13	2.15	23.28	<=30	Pass
		12	0	21.60	2.15	23.75	<=30	Pass
			44	21.53	2.15	23.68	<=30	Pass
			88	21.40	2.15	23.55	<=30	Pass
		27	73	20.40	2.15	22.55	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	1.245	0.0007	-2.5 to 2.5	Pass
					3.85	0.916	0.0005	-2.5 to 2.5	Pass
					4.43	0.386	0.0002	-2.5 to 2.5	Pass
				-30	3.85	7.052	0.0041	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.063	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-2.518	-0.0015	-2.5 to 2.5	Pass
				30	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				40	3.85	11.573	0.0068	-2.5 to 2.5	Pass
				50	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	6.037	0.0035	-2.5 to 2.5	Pass
					3.85	5.264	0.0030	-2.5 to 2.5	Pass
					4.43	1.903	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	10.500	0.0061	-2.5 to 2.5	Pass
				-10	3.85	4.177	0.0024	-2.5 to 2.5	Pass
				0	3.85	3.033	0.0018	-2.5 to 2.5	Pass
				10	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				30	3.85	5.522	0.0032	-2.5 to 2.5	Pass
				40	3.85	11.616	0.0067	-2.5 to 2.5	Pass
				50	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	0.458	0.0003	-2.5 to 2.5	Pass
					3.85	10.257	0.0058	-2.5 to 2.5	Pass
					4.43	4.935	0.0028	-2.5 to 2.5	Pass
				-30	3.85	-7.324	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	3.963	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				0	3.85	8.354	0.0048	-2.5 to 2.5	Pass
				10	3.85	10.700	0.0061	-2.5 to 2.5	Pass

				30	3.85	7.596	0.0043	-2.5 to 2.5	Pass
				40	3.85	13.103	0.0075	-2.5 to 2.5	Pass
				50	3.85	7.024	0.0040	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	8.168	0.0048	-2.5 to 2.5	Pass
					3.85	-5.951	-0.0035	-2.5 to 2.5	Pass
					4.43	1.545	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				30	3.85	7.482	0.0044	-2.5 to 2.5	Pass
				40	3.85	4.892	0.0029	-2.5 to 2.5	Pass
				50	3.85	9.356	0.0055	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-6.008	-0.0035	-2.5 to 2.5	Pass
					3.85	3.719	0.0021	-2.5 to 2.5	Pass
					4.43	-2.360	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	12.817	0.0074	-2.5 to 2.5	Pass
				0	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				10	3.85	7.954	0.0046	-2.5 to 2.5	Pass
				30	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				40	3.85	11.258	0.0065	-2.5 to 2.5	Pass
				50	3.85	0.372	0.0002	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	8.197	0.0047	-2.5 to 2.5	Pass
					3.85	-9.727	-0.0055	-2.5 to 2.5	Pass
					4.43	11.144	0.0064	-2.5 to 2.5	Pass
				-30	3.85	5.136	0.0029	-2.5 to 2.5	Pass
				-20	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				0	3.85	3.061	0.0017	-2.5 to 2.5	Pass
				10	3.85	5.193	0.0030	-2.5 to 2.5	Pass
				30	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				40	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				50	3.85	6.580	0.0038	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	3.090	0.0018	-2.5 to 2.5	Pass
					3.85	-7.510	-0.0044	-2.5 to 2.5	Pass
					4.43	-0.343	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	4.849	0.0028	-2.5 to 2.5	Pass
				-20	3.85	7.195	0.0042	-2.5 to 2.5	Pass
				-10	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				0	3.85	0.787	0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				30	3.85	3.862	0.0023	-2.5 to 2.5	Pass
				40	3.85	-4.392	-0.0026	-2.5 to 2.5	Pass
				50	3.85	2.074	0.0012	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	12.717	0.0073	-2.5 to 2.5	Pass
					3.85	7.052	0.0041	-2.5 to 2.5	Pass
					4.43	1.459	0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.260	0.0013	-2.5 to 2.5	Pass

				-20	3.85	-8.268	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-5.965	-0.0034	-2.5 to 2.5	Pass
				0	3.85	6.723	0.0039	-2.5 to 2.5	Pass
				10	3.85	2.875	0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
				40	3.85	0.787	0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-6.595	-0.0038	-2.5 to 2.5	Pass
					3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
					4.43	8.712	0.0050	-2.5 to 2.5	Pass
				-30	3.85	-4.206	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-4.406	-0.0025	-2.5 to 2.5	Pass
				0	3.85	2.804	0.0016	-2.5 to 2.5	Pass
				10	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	3.977	0.0023	-2.5 to 2.5	Pass
				50	3.85	2.518	0.0014	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	3.519	0.0021	-2.5 to 2.5	Pass
					3.85	4.892	0.0029	-2.5 to 2.5	Pass
					4.43	0.572	0.0003	-2.5 to 2.5	Pass
				-30	3.85	5.894	0.0034	-2.5 to 2.5	Pass
				-20	3.85	3.934	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				0	3.85	7.353	0.0043	-2.5 to 2.5	Pass
				10	3.85	-5.593	-0.0033	-2.5 to 2.5	Pass
				30	3.85	6.566	0.0038	-2.5 to 2.5	Pass
				40	3.85	0.615	0.0004	-2.5 to 2.5	Pass
	1732.5	15	0	50	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				20	3.27	-6.366	-0.0037	-2.5 to 2.5	Pass
					3.85	6.766	0.0039	-2.5 to 2.5	Pass
					4.43	-1.817	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-7.610	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				40	3.85	5.922	0.0034	-2.5 to 2.5	Pass
				50	3.85	1.731	0.0010	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	7.882	0.0045	-2.5 to 2.5	Pass
					3.85	1.473	0.0008	-2.5 to 2.5	Pass
					4.43	1.817	0.0010	-2.5 to 2.5	Pass
				-30	3.85	4.978	0.0028	-2.5 to 2.5	Pass
				-20	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	4.935	0.0028	-2.5 to 2.5	Pass
				0	3.85	8.540	0.0049	-2.5 to 2.5	Pass
				10	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				50	3.85	5.665	0.0032	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	

QPSK	1712.5	25	0	20	3.27	2.789	0.0016	-2.5 to 2.5	Pass
					3.85	2.289	0.0013	-2.5 to 2.5	Pass
					4.43	5.007	0.0029	-2.5 to 2.5	Pass
				-30	3.85	7.153	0.0042	-2.5 to 2.5	Pass
				-20	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				0	3.85	5.836	0.0034	-2.5 to 2.5	Pass
				10	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				30	3.85	9.384	0.0055	-2.5 to 2.5	Pass
				40	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				50	3.85	3.619	0.0021	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-0.701	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
					4.43	-3.576	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	1.731	0.0010	-2.5 to 2.5	Pass
				-20	3.85	7.567	0.0044	-2.5 to 2.5	Pass
				-10	3.85	5.879	0.0034	-2.5 to 2.5	Pass
				0	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
				10	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				30	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				50	3.85	2.031	0.0012	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-6.194	-0.0035	-2.5 to 2.5	Pass
					3.85	0.386	0.0002	-2.5 to 2.5	Pass
					4.43	-2.174	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				0	3.85	5.536	0.0032	-2.5 to 2.5	Pass
				10	3.85	-3.047	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.000	0.0000	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	7.052	0.0041	-2.5 to 2.5	Pass
					3.85	2.074	0.0012	-2.5 to 2.5	Pass
					4.43	7.153	0.0042	-2.5 to 2.5	Pass
				-30	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				-20	3.85	6.766	0.0040	-2.5 to 2.5	Pass
				-10	3.85	2.646	0.0015	-2.5 to 2.5	Pass
				0	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				10	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.903	0.0011	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-3.033	-0.0018	-2.5 to 2.5	Pass
					3.85	-7.482	-0.0043	-2.5 to 2.5	Pass
					4.43	0.172	0.0001	-2.5 to 2.5	Pass
				-30	3.85	7.653	0.0044	-2.5 to 2.5	Pass
				-20	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				0	3.85	4.921	0.0028	-2.5 to 2.5	Pass
				10	3.85	4.163	0.0024	-2.5 to 2.5	Pass
				30	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0027	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	5.751	0.0033	-2.5 to 2.5	Pass
					3.85	-4.048	-0.0023	-2.5 to 2.5	Pass
					4.43	-6.022	-0.0034	-2.5 to 2.5	Pass

				-30	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	5.293	0.0030	-2.5 to 2.5	Pass
				0	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-8.025	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-0.272	-0.0002	-2.5 to 2.5	Pass
					3.85	4.435	0.0026	-2.5 to 2.5	Pass
					4.43	0.815	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	6.380	0.0037	-2.5 to 2.5	Pass
				-10	3.85	3.018	0.0018	-2.5 to 2.5	Pass
				0	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				10	3.85	5.093	0.0030	-2.5 to 2.5	Pass
				30	3.85	5.579	0.0033	-2.5 to 2.5	Pass
				40	3.85	5.994	0.0035	-2.5 to 2.5	Pass
				50	3.85	0.701	0.0004	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	2.203	0.0013	-2.5 to 2.5	Pass
					3.85	0.544	0.0003	-2.5 to 2.5	Pass
					4.43	2.489	0.0014	-2.5 to 2.5	Pass
				-30	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				-20	3.85	4.535	0.0026	-2.5 to 2.5	Pass
				-10	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				0	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				30	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				40	3.85	4.878	0.0028	-2.5 to 2.5	Pass
				50	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-1.416	-0.0008	-2.5 to 2.5	Pass
					3.85	-6.380	-0.0036	-2.5 to 2.5	Pass
					4.43	0.215	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.130	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				10	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				40	3.85	2.317	0.0013	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.85	8.855	0.0051	-2.5 to 2.5	Pass
					3.27	1.345	0.0008	-2.5 to 2.5	Pass
					3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				-30	4.43	-4.706	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	5.078	0.0030	-2.5 to 2.5	Pass
				-10	3.85	4.649	0.0027	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				10	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.945	0.0011	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.85	1.144	0.0007	-2.5 to 2.5	Pass
					3.27	1.345	0.0008	-2.5 to 2.5	Pass
					3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				-30	4.43	-4.706	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	5.078	0.0030	-2.5 to 2.5	Pass
				-10	3.85	4.649	0.0027	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				10	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.945	0.0011	-2.5 to 2.5	Pass

	1732.5	27	0	50	3.85	0.300	0.0002	-2.5 to 2.5	Pass
				20	3.27	-2.174	-0.0013	-2.5 to 2.5	Pass
					3.85	0.229	0.0001	-2.5 to 2.5	Pass
					4.43	9.513	0.0055	-2.5 to 2.5	Pass
				-30	3.85	4.864	0.0028	-2.5 to 2.5	Pass
				-20	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				-10	3.85	2.375	0.0014	-2.5 to 2.5	Pass
				0	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
	1750	27	23	40	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				50	3.85	4.549	0.0026	-2.5 to 2.5	Pass
				20	3.27	4.764	0.0027	-2.5 to 2.5	Pass
					3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
					4.43	8.068	0.0046	-2.5 to 2.5	Pass
				-30	3.85	9.999	0.0057	-2.5 to 2.5	Pass
				-20	3.85	7.281	0.0042	-2.5 to 2.5	Pass
				-10	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				0	3.85	6.423	0.0037	-2.5 to 2.5	Pass
				10	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				40	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				50	3.85	-3.762	-0.0021	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-0.057	0.0000	-2.5 to 2.5	Pass
					3.85	1.602	0.0009	-2.5 to 2.5	Pass
					4.43	0.114	0.0001	-2.5 to 2.5	Pass
				-30	3.85	4.907	0.0029	-2.5 to 2.5	Pass
				-20	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				0	3.85	3.405	0.0020	-2.5 to 2.5	Pass
				10	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				30	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				40	3.85	3.319	0.0019	-2.5 to 2.5	Pass
	1732.5	75	0	50	3.85	1.316	0.0008	-2.5 to 2.5	Pass
				20	3.27	-0.672	-0.0004	-2.5 to 2.5	Pass
					3.85	3.262	0.0019	-2.5 to 2.5	Pass
					4.43	1.488	0.0009	-2.5 to 2.5	Pass
				-30	3.85	3.333	0.0019	-2.5 to 2.5	Pass
				-20	3.85	1.302	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.918	0.0017	-2.5 to 2.5	Pass
				0	3.85	6.723	0.0039	-2.5 to 2.5	Pass
				10	3.85	3.848	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.832	0.0016	-2.5 to 2.5	Pass
	1747.5	75	0	40	3.85	2.704	0.0016	-2.5 to 2.5	Pass
				50	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				20	3.27	-1.659	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.787	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.302	0.0007	-2.5 to 2.5	Pass

16QAM	1717.5	27	0	0	3.85	3.276	0.0019	-2.5 to 2.5	Pass
				10	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				50	3.85	0.930	0.0005	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	0.787	0.0005	-2.5 to 2.5	Pass
					3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
					4.43	3.977	0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				-10	3.85	6.294	0.0037	-2.5 to 2.5	Pass
				0	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				40	3.85	2.689	0.0016	-2.5 to 2.5	Pass
				50	3.85	3.490	0.0020	-2.5 to 2.5	Pass
				20	3.27	2.260	0.0013	-2.5 to 2.5	Pass
					3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
					4.43	2.918	0.0017	-2.5 to 2.5	Pass
				-30	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				-20	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				-10	3.85	4.206	0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				10	3.85	2.818	0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				40	3.85	3.018	0.0017	-2.5 to 2.5	Pass
				50	3.85	1.459	0.0008	-2.5 to 2.5	Pass
	1747.5	27	48	20	3.27	3.262	0.0019	-2.5 to 2.5	Pass
					3.85	6.108	0.0035	-2.5 to 2.5	Pass
					4.43	1.531	0.0009	-2.5 to 2.5	Pass
				-30	3.85	5.980	0.0034	-2.5 to 2.5	Pass
				-20	3.85	4.077	0.0023	-2.5 to 2.5	Pass
				-10	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				0	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				10	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				30	3.85	4.148	0.0024	-2.5 to 2.5	Pass
				40	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				50	3.85	2.947	0.0017	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	3.691	0.0021	-2.5 to 2.5	Pass
					3.85	5.021	0.0029	-2.5 to 2.5	Pass
					4.43	0.458	0.0003	-2.5 to 2.5	Pass
				-30	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				-20	3.85	7.939	0.0046	-2.5 to 2.5	Pass
				-10	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				0	3.85	3.905	0.0023	-2.5 to 2.5	Pass
				10	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				30	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.974	0.0011	-2.5 to 2.5	Pass
				50	3.85	0.787	0.0005	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-0.587	-0.0003	-2.5 to 2.5	Pass
					3.85	-1.101	-0.0006	-2.5 to 2.5	Pass

					4.43	-2.189	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				50	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	2.718	0.0016	-2.5 to 2.5	Pass
					3.85	2.174	0.0012	-2.5 to 2.5	Pass
					4.43	3.948	0.0023	-2.5 to 2.5	Pass
				-30	3.85	3.762	0.0022	-2.5 to 2.5	Pass
				-20	3.85	5.994	0.0034	-2.5 to 2.5	Pass
				-10	3.85	4.549	0.0026	-2.5 to 2.5	Pass
				0	3.85	5.221	0.0030	-2.5 to 2.5	Pass
				10	3.85	4.277	0.0025	-2.5 to 2.5	Pass
				30	3.85	4.349	0.0025	-2.5 to 2.5	Pass
				40	3.85	3.347	0.0019	-2.5 to 2.5	Pass
				50	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
16QAM	1720	27	0	20	3.27	-4.864	-0.0028	-2.5 to 2.5	Pass
					3.85	0.186	0.0001	-2.5 to 2.5	Pass
					4.43	-1.802	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	4.907	0.0029	-2.5 to 2.5	Pass
				-20	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				30	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				40	3.85	6.080	0.0035	-2.5 to 2.5	Pass
				50	3.85	0.672	0.0004	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	-2.518	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
					4.43	-1.659	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
				40	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
	1745	27	73	20	3.27	4.921	0.0028	-2.5 to 2.5	Pass
					3.85	3.133	0.0018	-2.5 to 2.5	Pass
					4.43	9.685	0.0056	-2.5 to 2.5	Pass
				-30	3.85	4.978	0.0029	-2.5 to 2.5	Pass
				-20	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				-10	3.85	7.982	0.0046	-2.5 to 2.5	Pass
				0	3.85	4.907	0.0028	-2.5 to 2.5	Pass
				10	3.85	2.804	0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	3.548	0.0020	-2.5 to 2.5	Pass
				50	3.85	1.760	0.0010	-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

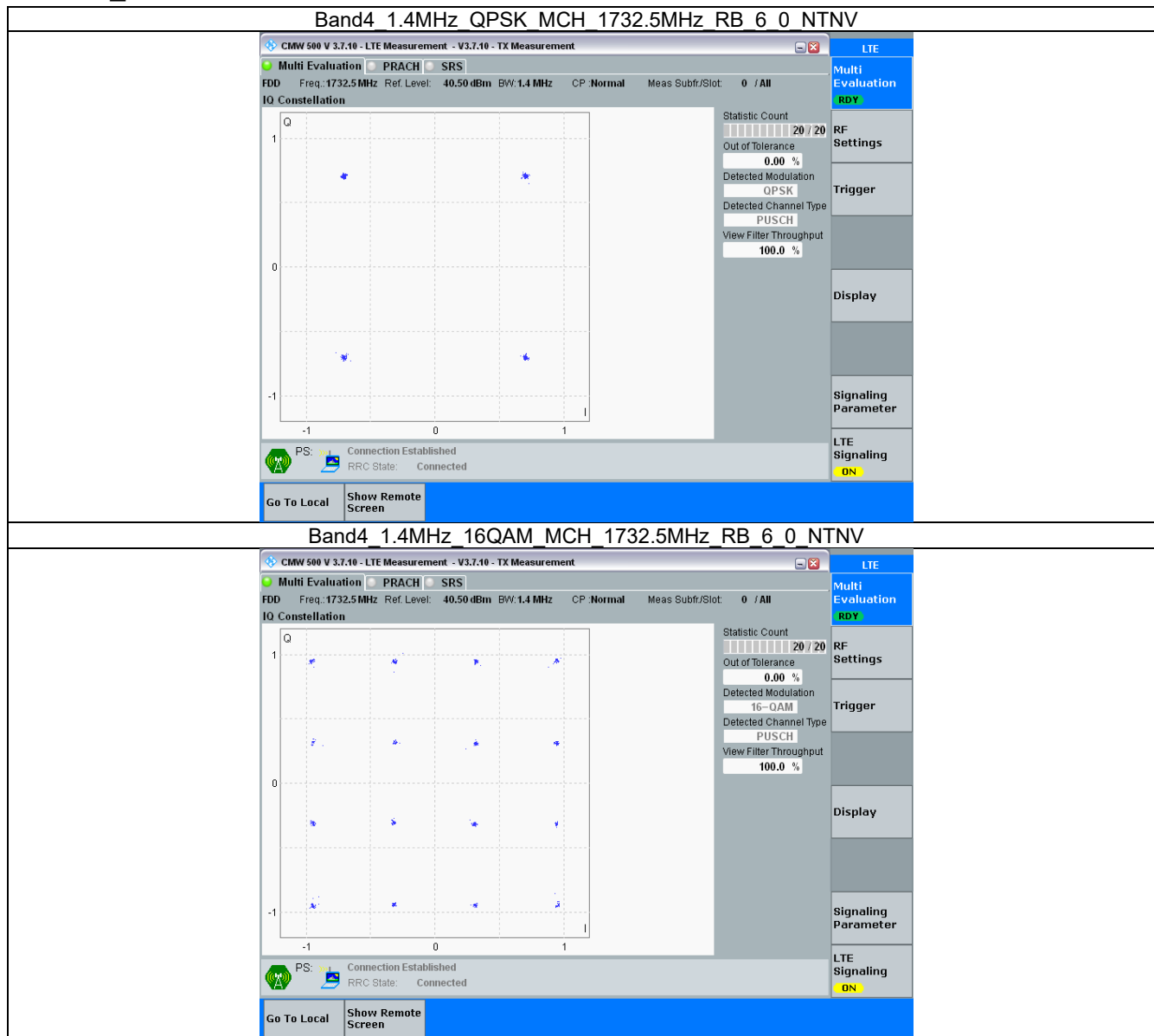
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

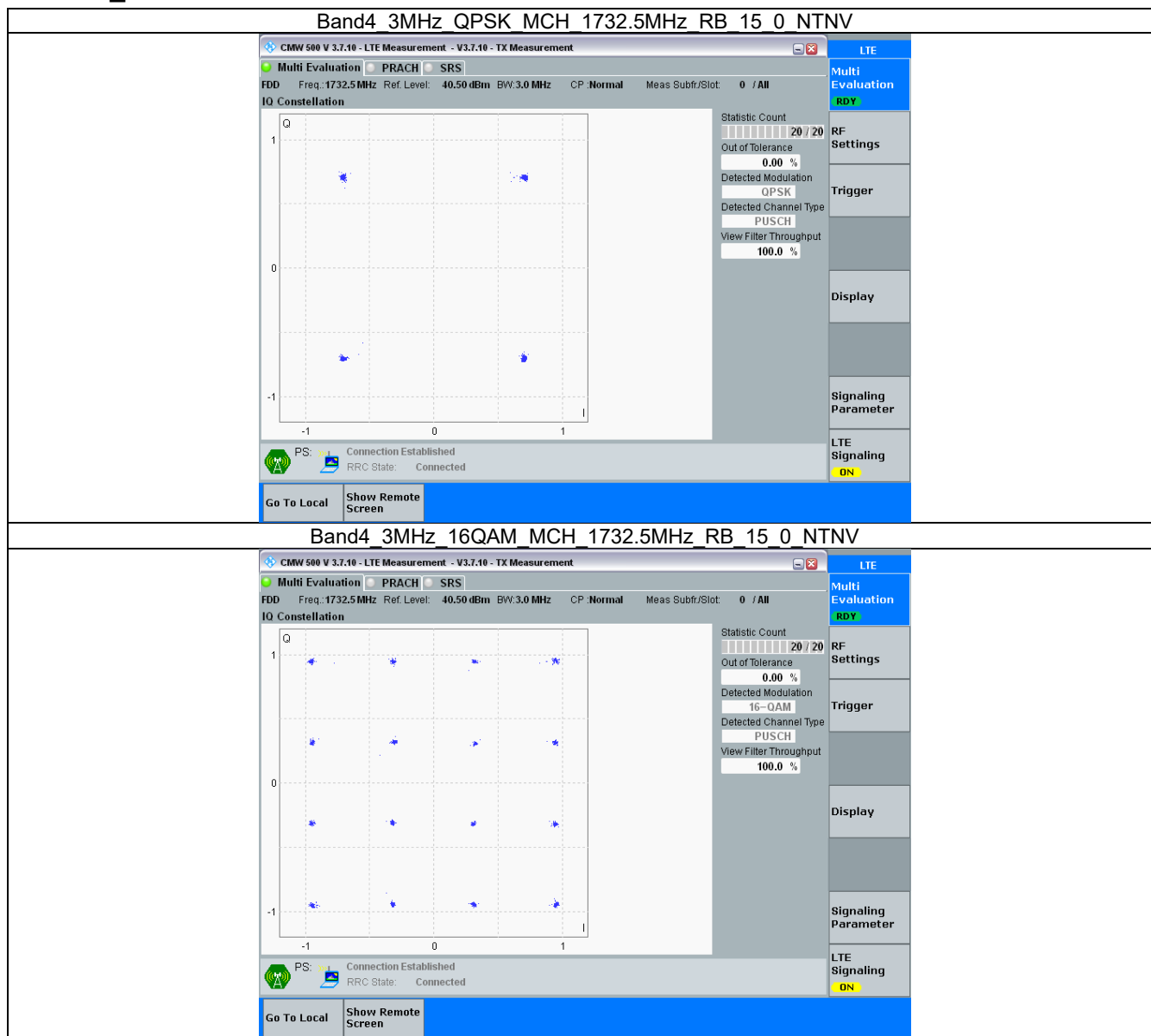
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.2 Test Graph

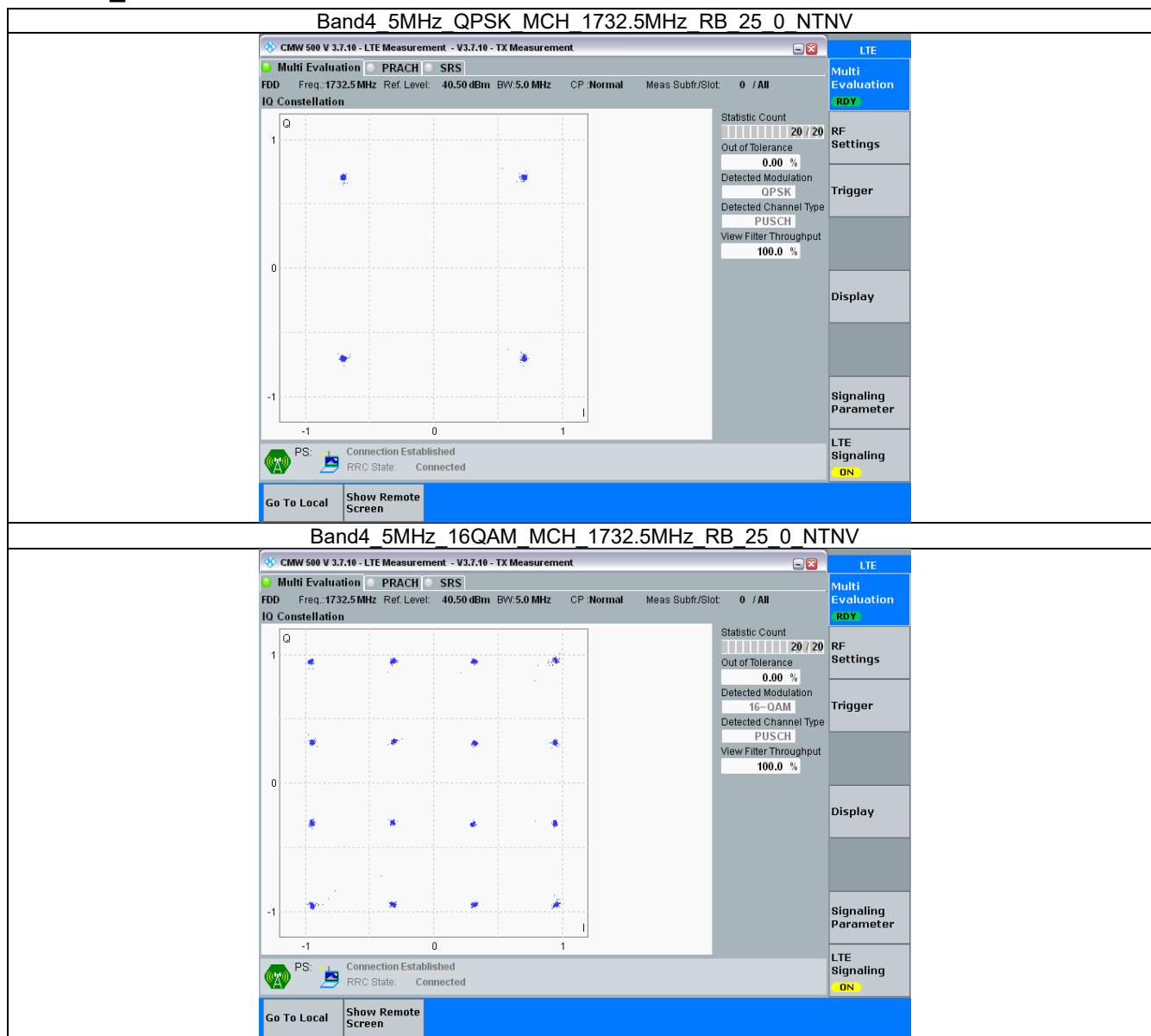
3.2.1 B4_1.4MHz



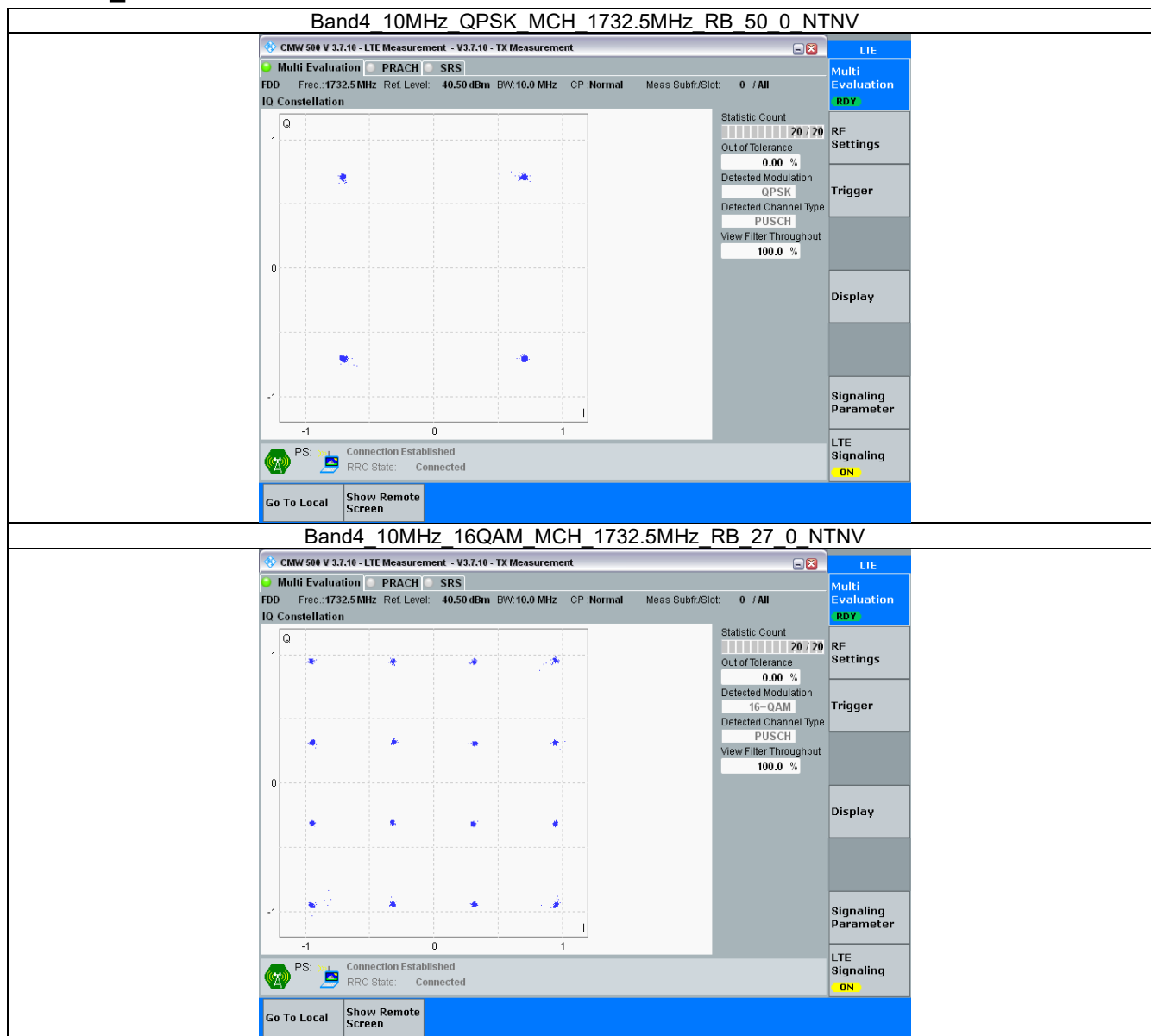
3.2.2 B4_3MHz



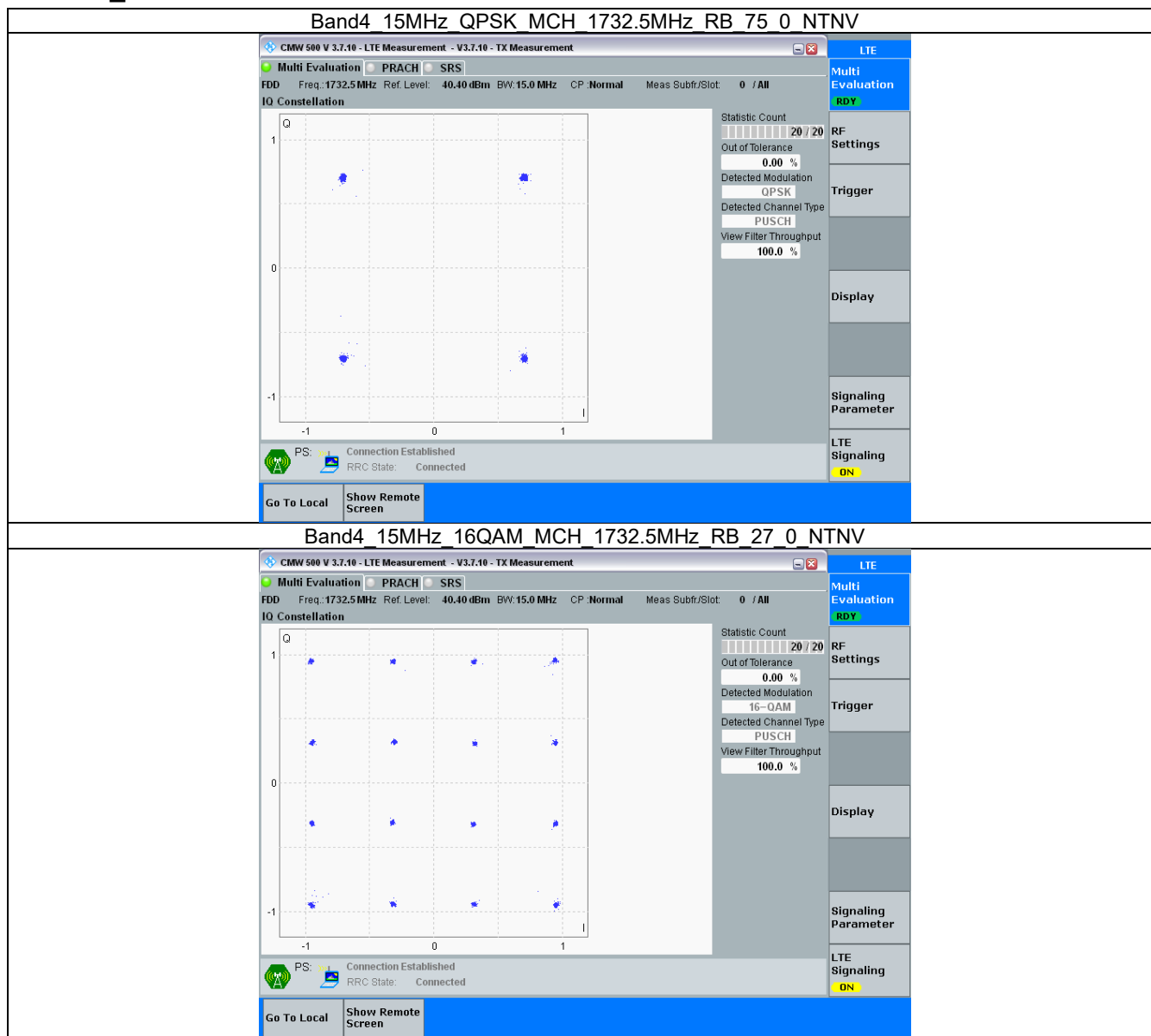
3.2.3 B4_5MHz



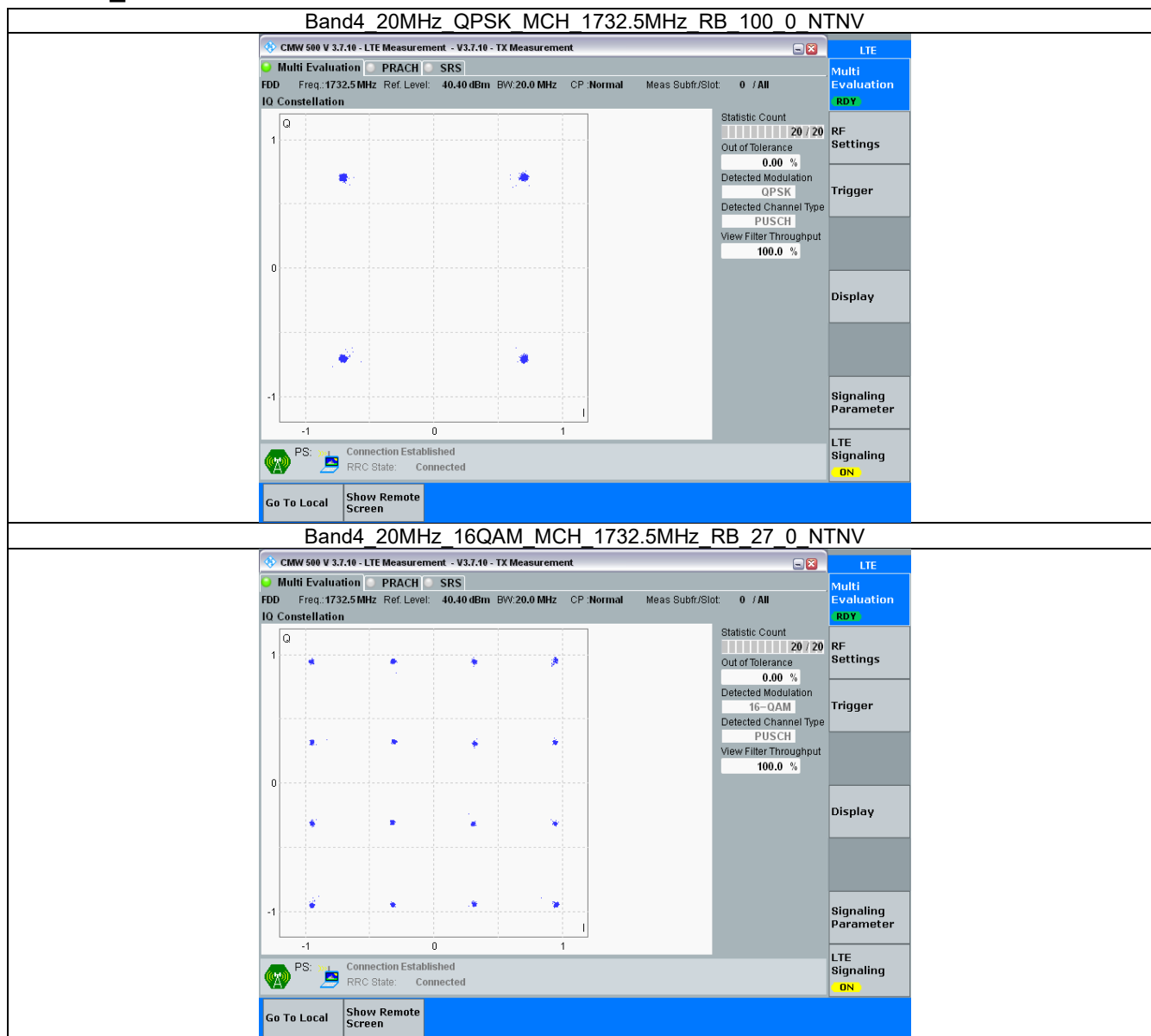
3.2.4 B4_10MHz



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 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.111	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.111	/	Pass
	16QAM	1710.7	6	0	1.108	/	Pass
		1732.5	6	0	1.101	/	Pass
		1754.3	6	0	1.113	/	Pass
3	QPSK	1711.5	15	0	2.735	/	Pass
		1732.5	15	0	2.730	/	Pass
		1753.5	15	0	2.731	/	Pass
	16QAM	1711.5	15	0	2.722	/	Pass
		1732.5	15	0	2.728	/	Pass
		1753.5	15	0	2.722	/	Pass
5	QPSK	1712.5	25	0	4.533	/	Pass
		1732.5	25	0	4.547	/	Pass
		1752.5	25	0	4.562	/	Pass
	16QAM	1712.5	25	0	4.540	/	Pass
		1732.5	25	0	4.557	/	Pass
		1752.5	25	0	4.539	/	Pass
10	QPSK	1715	50	0	9.073	/	Pass
		1732.5	50	0	9.034	/	Pass
		1750	50	0	9.085	/	Pass
	16QAM	1715	27	0	5.090	/	Pass
		1732.5	27	0	5.089	/	Pass
		1750	27	23	5.100	/	Pass
15	QPSK	1717.5	75	0	13.566	/	Pass
		1732.5	75	0	13.556	/	Pass
		1747.5	75	0	13.622	/	Pass
	16QAM	1717.5	27	0	5.390	/	Pass
		1732.5	27	0	5.369	/	Pass
		1747.5	27	48	5.269	/	Pass
20	QPSK	1720	100	0	18.096	/	Pass
		1732.5	100	0	18.005	/	Pass
		1745	100	0	18.143	/	Pass
	16QAM	1720	27	0	5.577	/	Pass
		1732.5	27	0	5.483	/	Pass
		1745	27	73	5.552	/	Pass

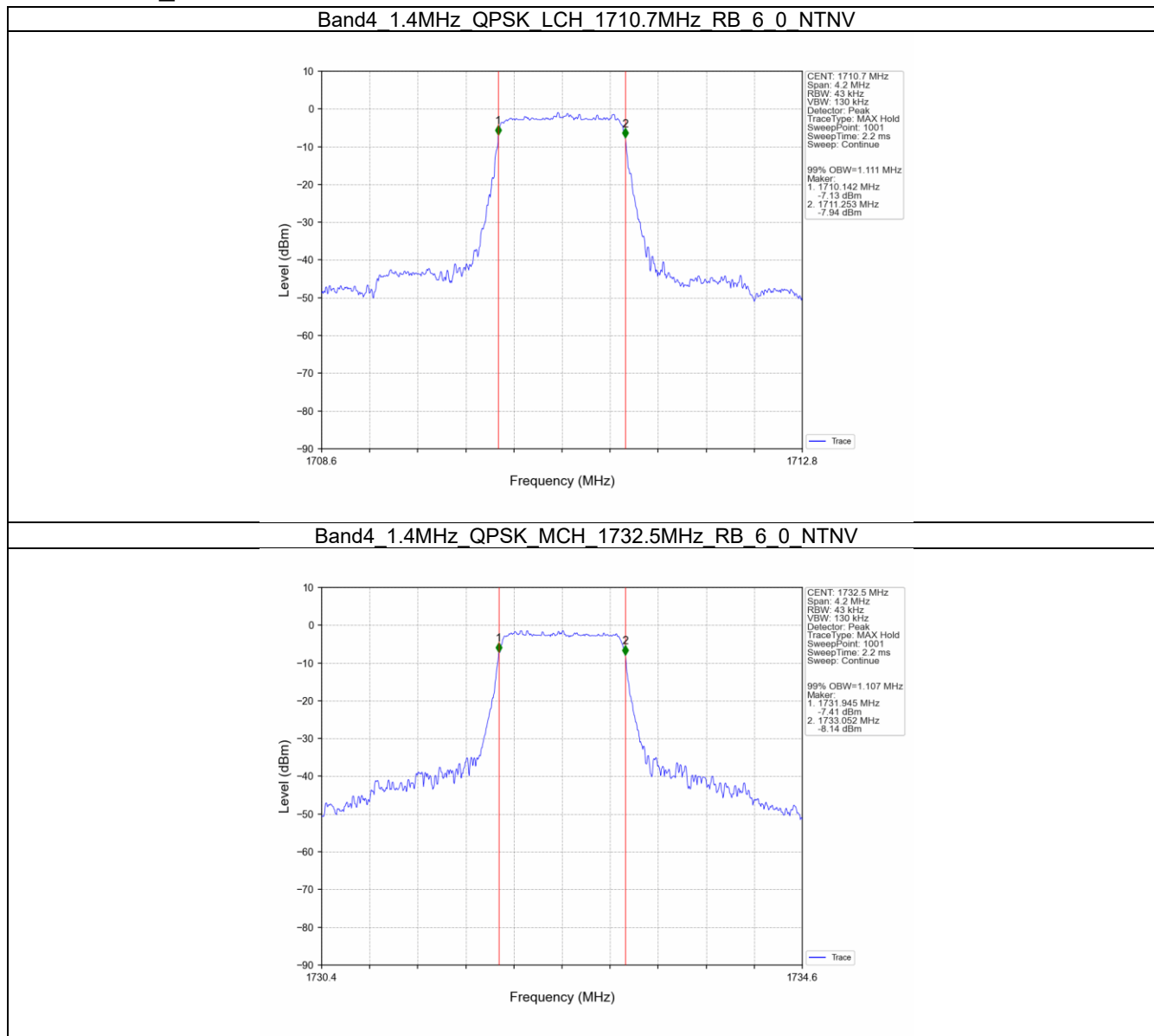
4.1.2 Band4_XDB

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.316	/	Pass
		1732.5	6	0	1.322	/	Pass

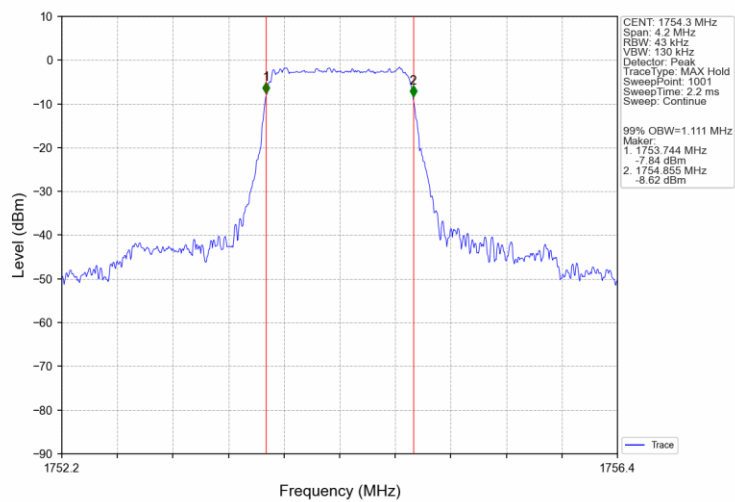
	16QAM	1754.3	6	0	1.326	/	Pass
		1710.7	6	0	1.313	/	Pass
		1732.5	6	0	1.312	/	Pass
		1754.3	6	0	1.330	/	Pass
3	QPSK	1711.5	15	0	3.015	/	Pass
		1732.5	15	0	3.019	/	Pass
		1753.5	15	0	3.023	/	Pass
	16QAM	1711.5	15	0	3.014	/	Pass
		1732.5	15	0	3.025	/	Pass
		1753.5	15	0	2.987	/	Pass
5	QPSK	1712.5	25	0	5.002	/	Pass
		1732.5	25	0	5.033	/	Pass
		1752.5	25	0	5.069	/	Pass
	16QAM	1712.5	25	0	5.099	/	Pass
		1732.5	25	0	5.010	/	Pass
		1752.5	25	0	5.023	/	Pass
10	QPSK	1715	50	0	10.039	/	Pass
		1732.5	50	0	9.973	/	Pass
		1750	50	0	9.996	/	Pass
	16QAM	1715	27	0	6.166	/	Pass
		1732.5	27	0	6.043	/	Pass
		1750	27	23	6.019	/	Pass
15	QPSK	1717.5	75	0	14.933	/	Pass
		1732.5	75	0	14.819	/	Pass
		1747.5	75	0	14.963	/	Pass
	16QAM	1717.5	27	0	6.609	/	Pass
		1732.5	27	0	6.562	/	Pass
		1747.5	27	48	6.582	/	Pass
20	QPSK	1720	100	0	19.965	/	Pass
		1732.5	100	0	19.667	/	Pass
		1745	100	0	19.729	/	Pass
	16QAM	1720	27	0	7.009	/	Pass
		1732.5	27	0	7.002	/	Pass
		1745	27	73	6.944	/	Pass

4.2 Test Graph

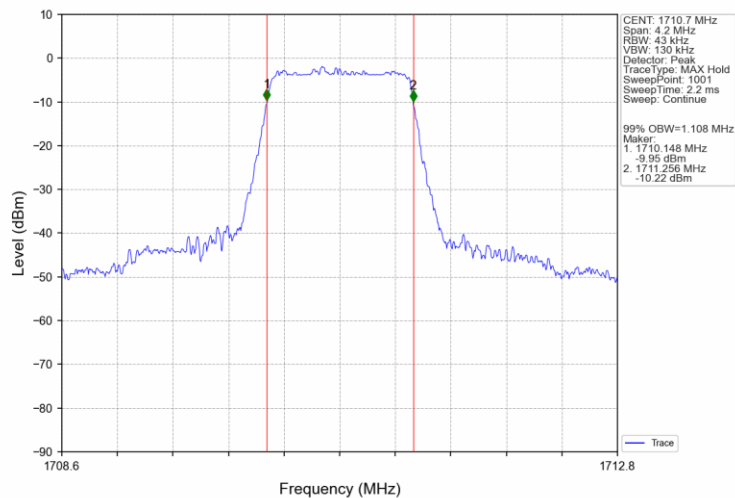
4.2.1 Band4_OBW



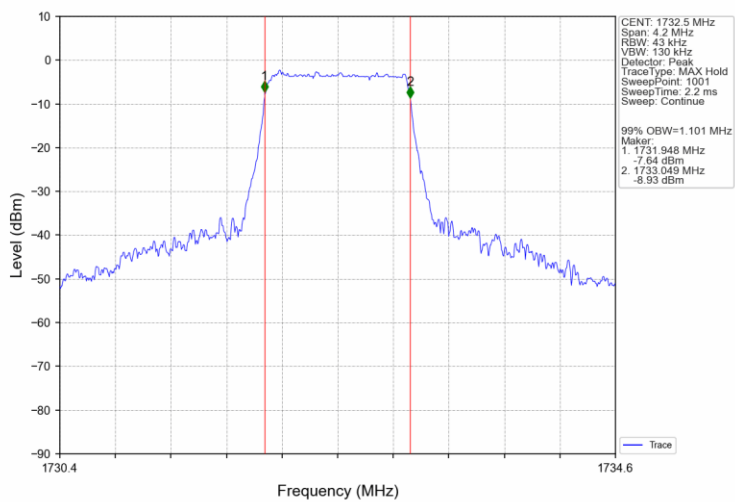
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



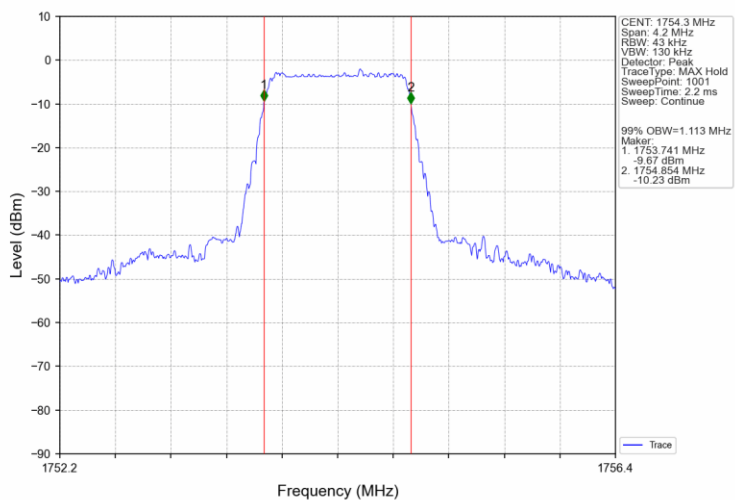
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



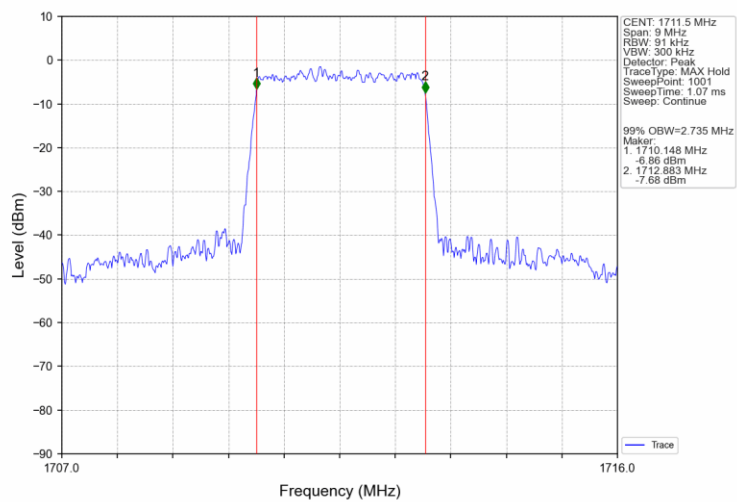
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



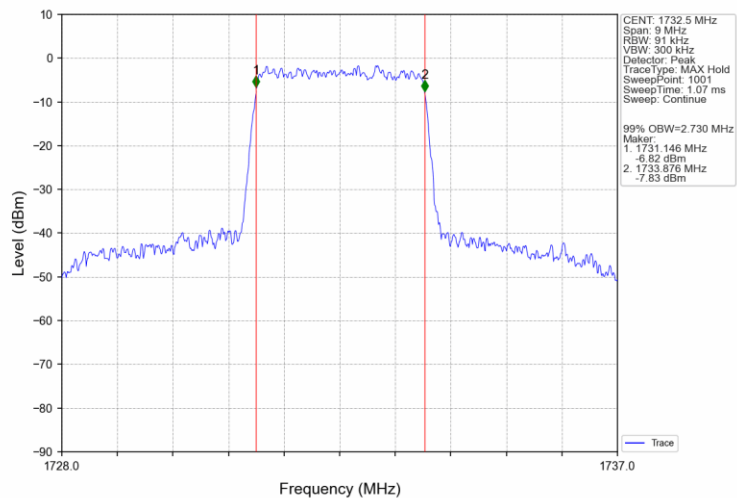
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



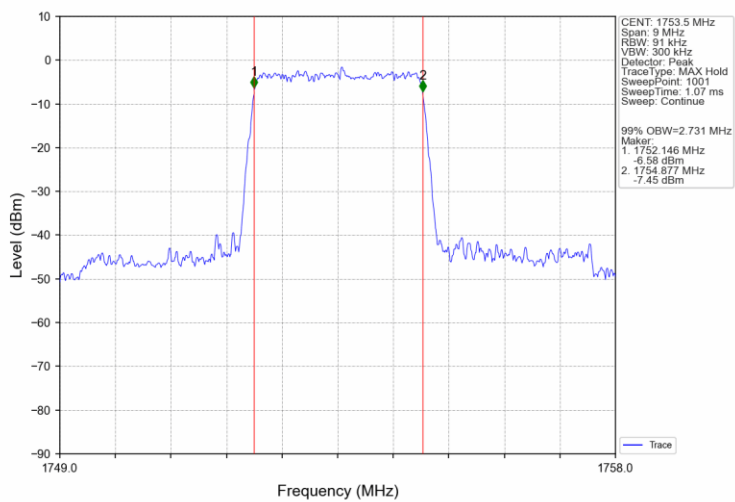
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



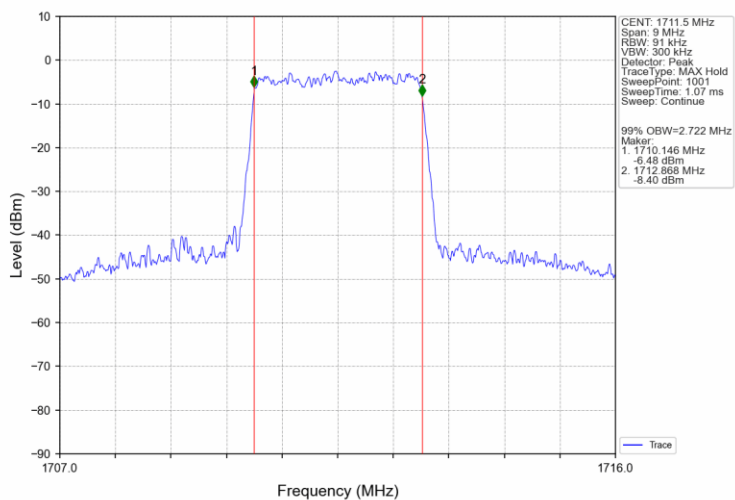
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



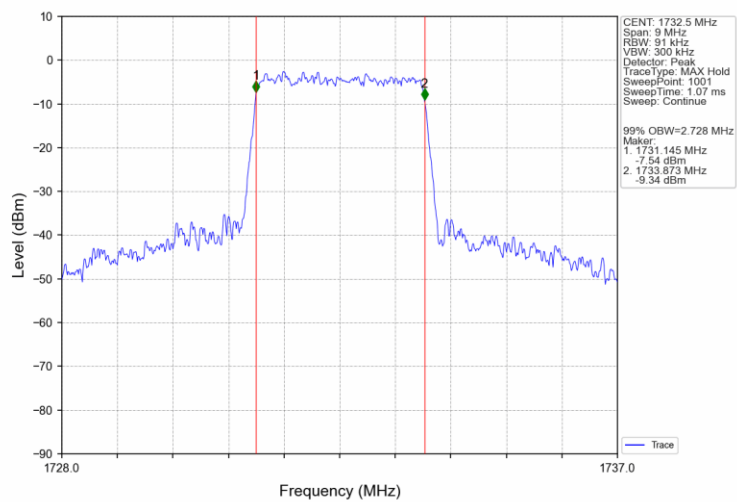
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



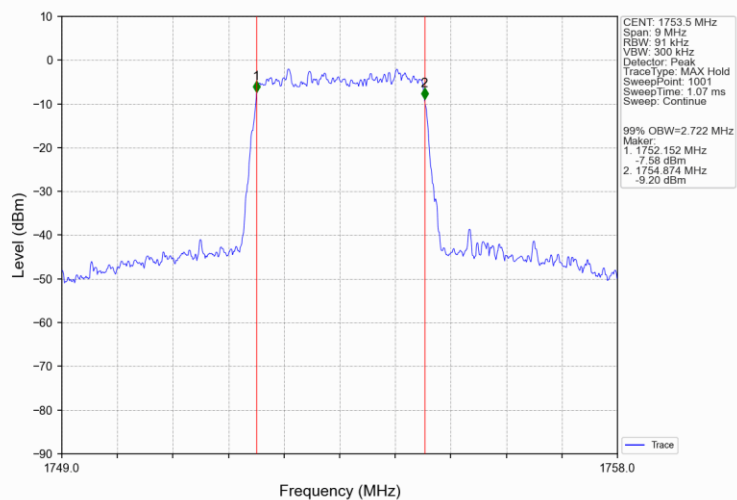
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



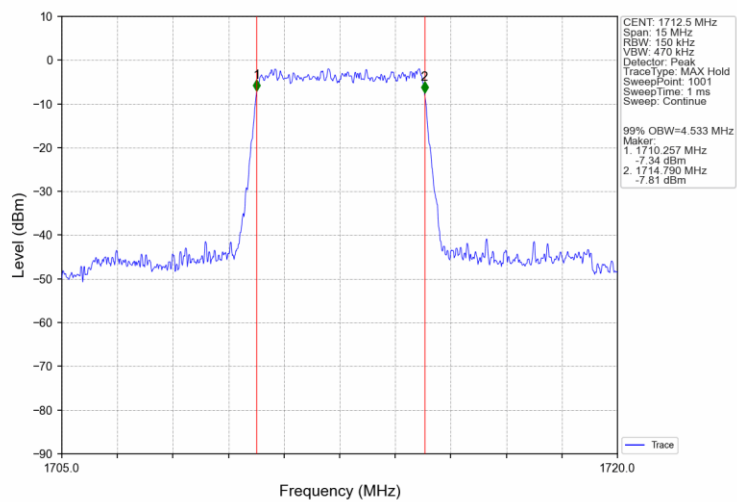
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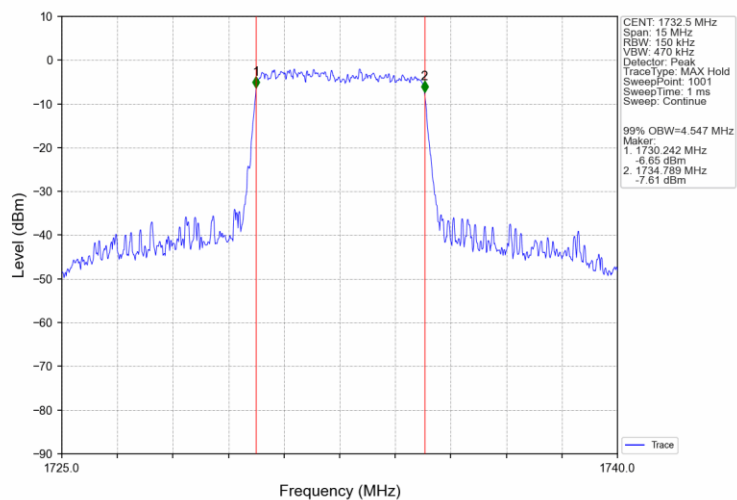
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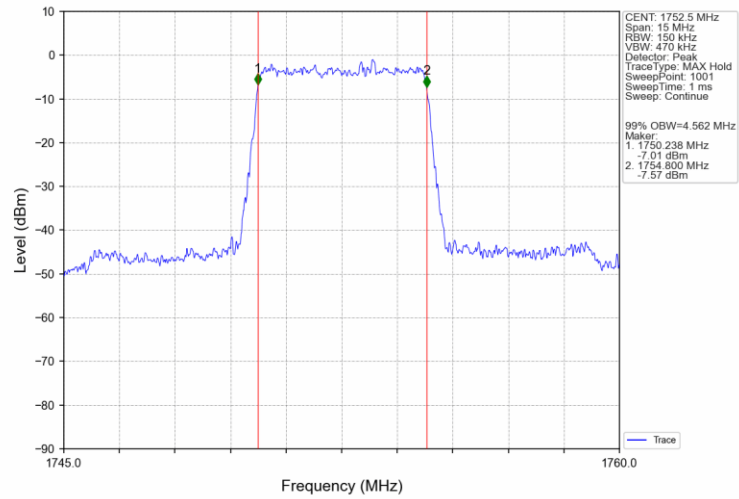
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



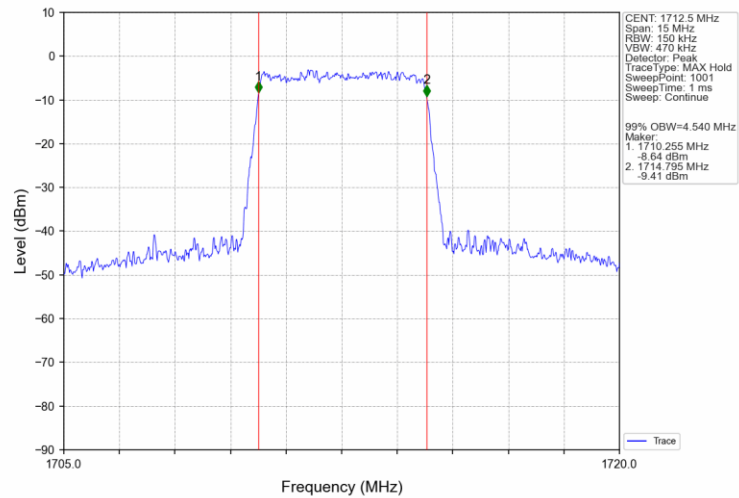
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



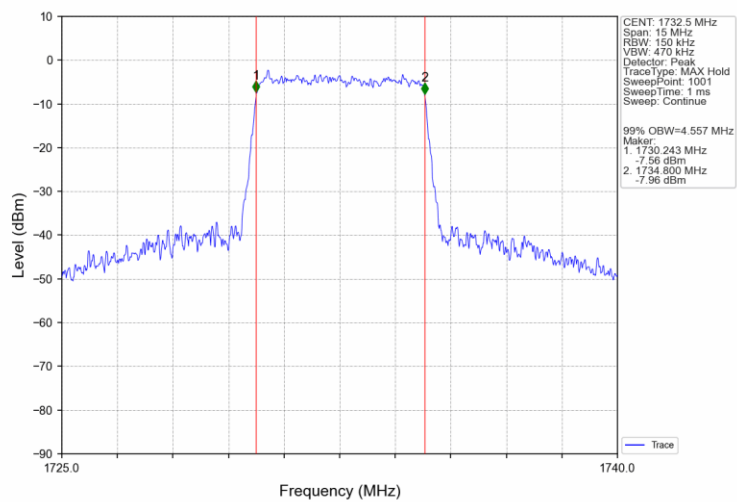
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



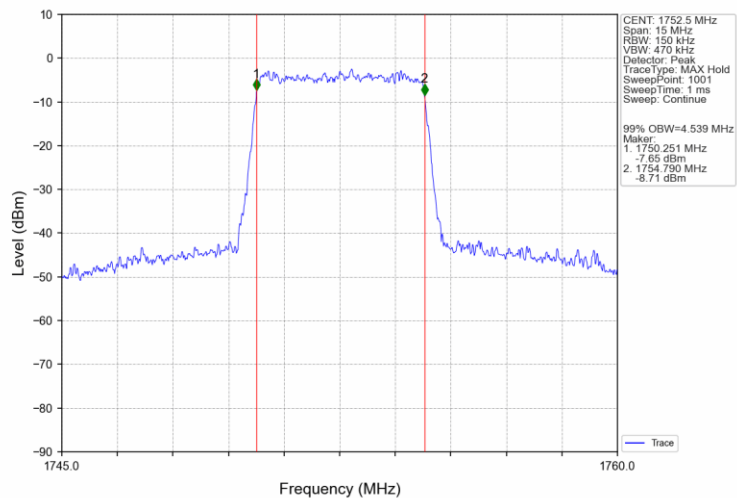
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



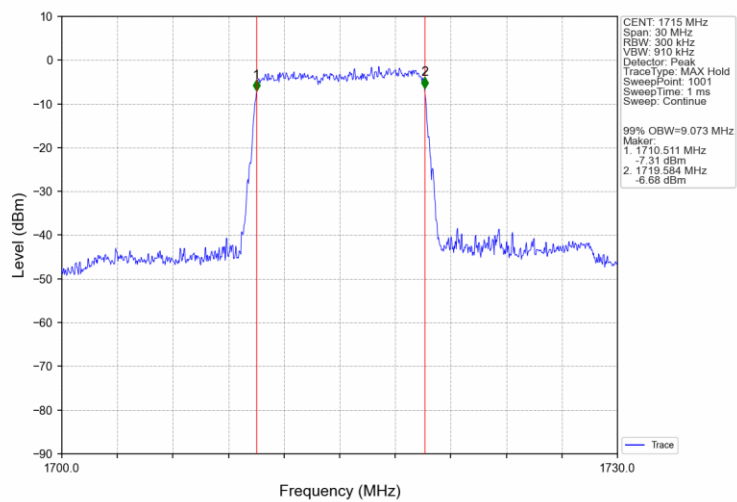
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



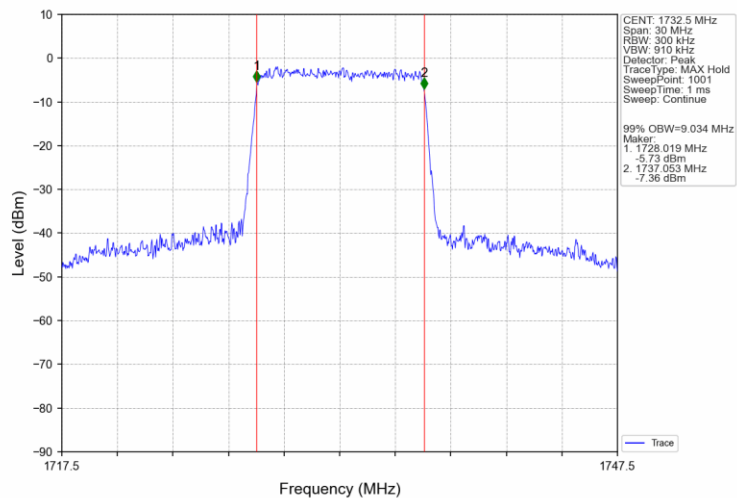
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



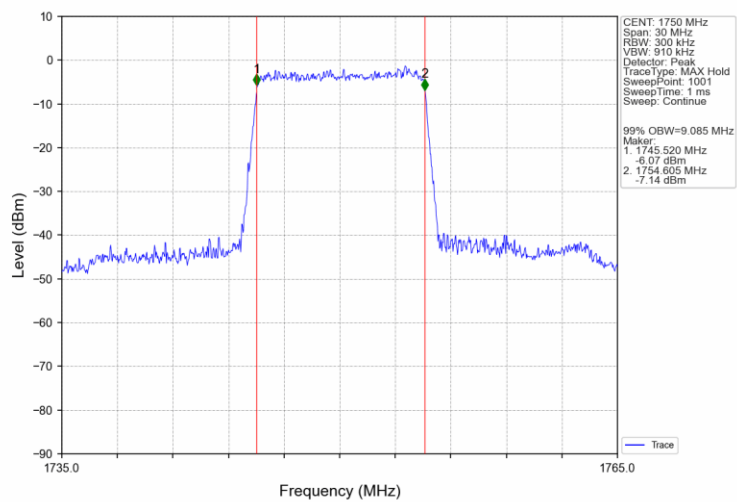
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



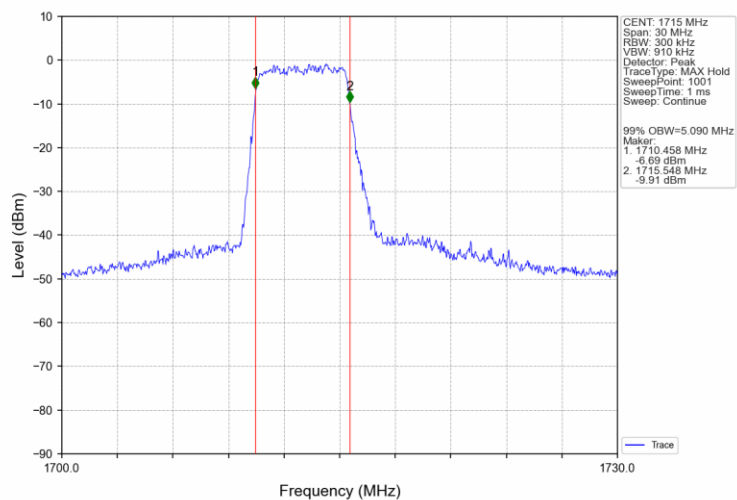
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



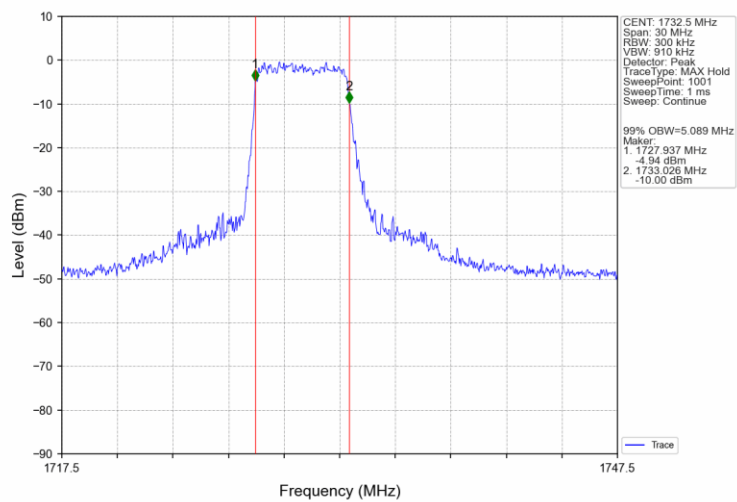
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



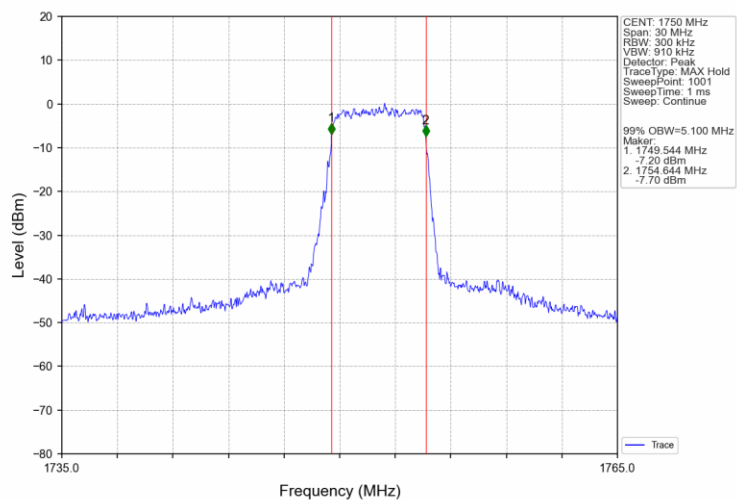
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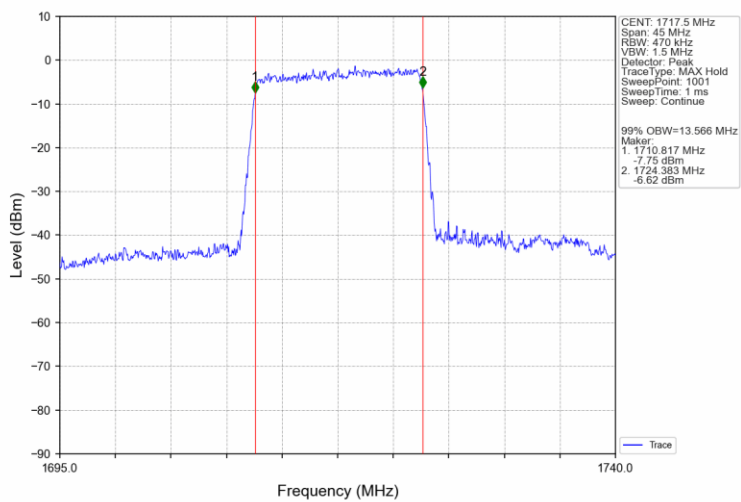
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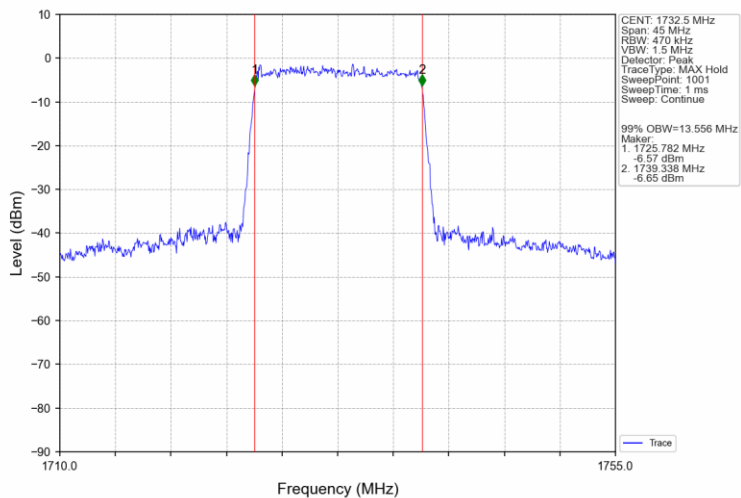
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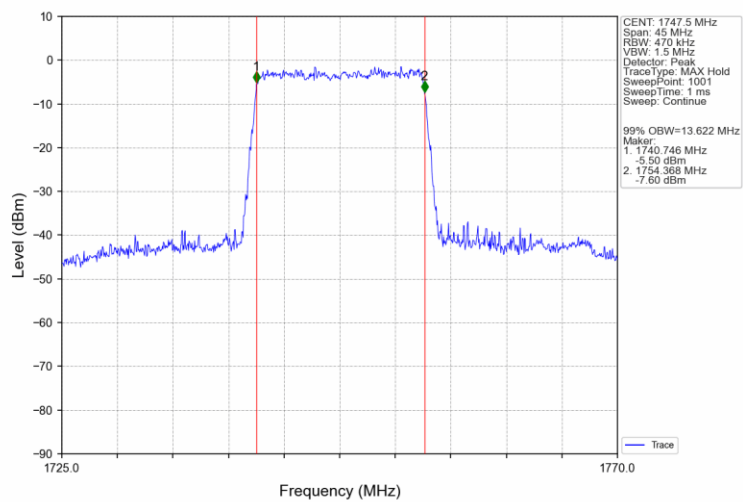
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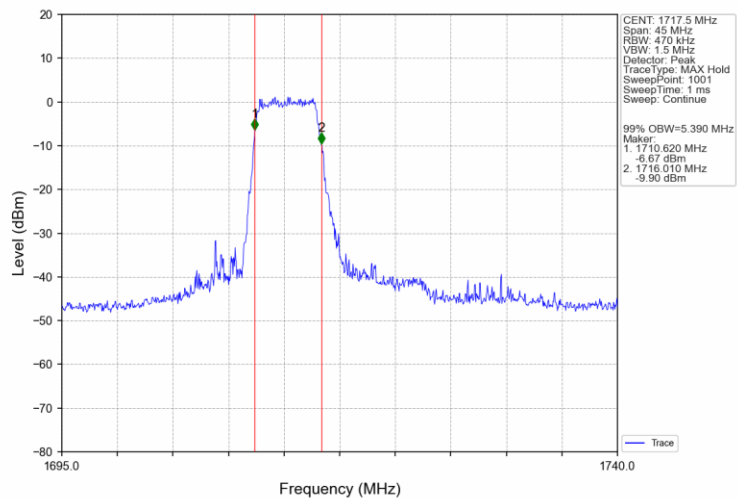
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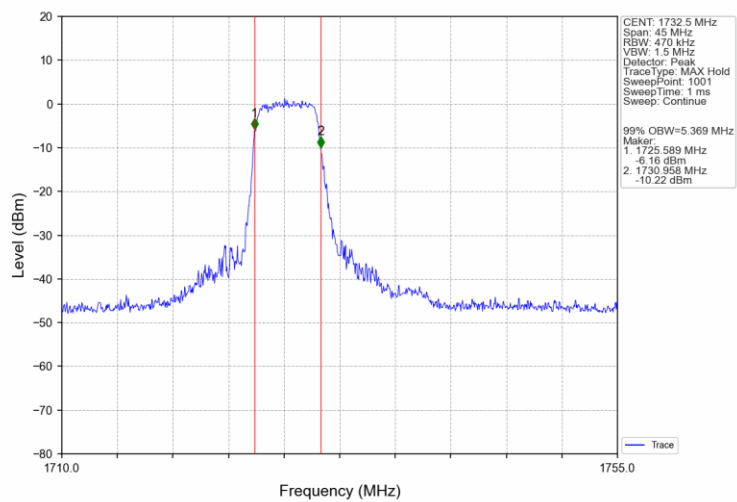
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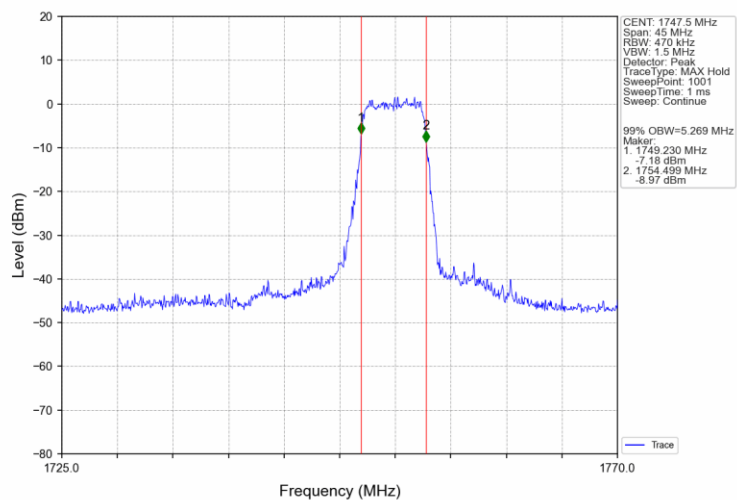
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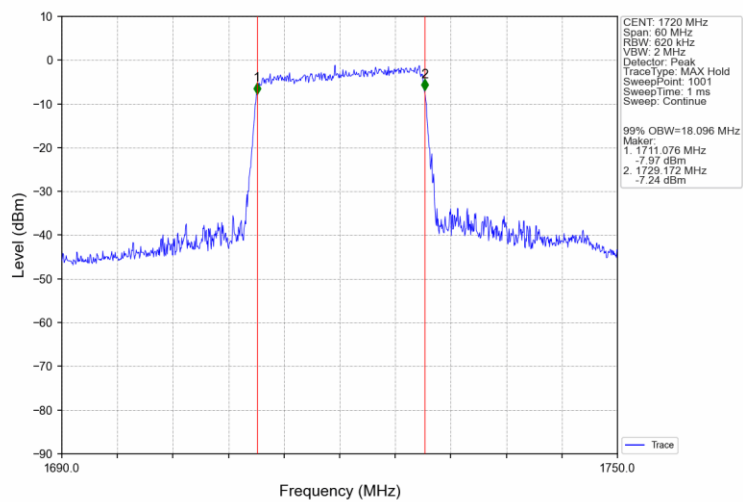
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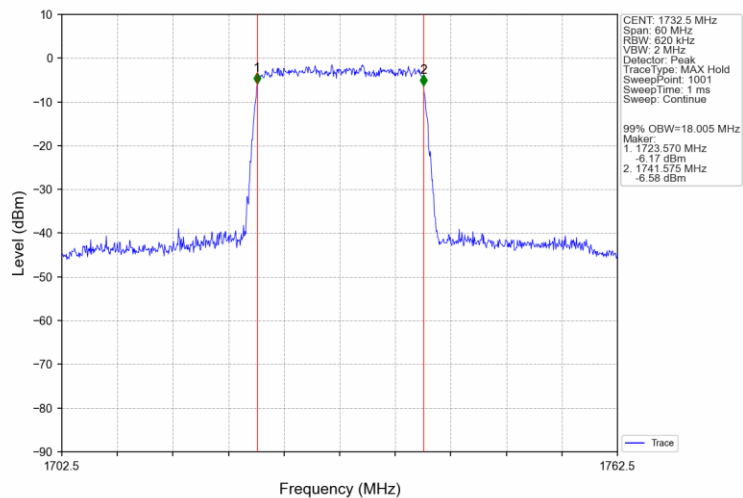
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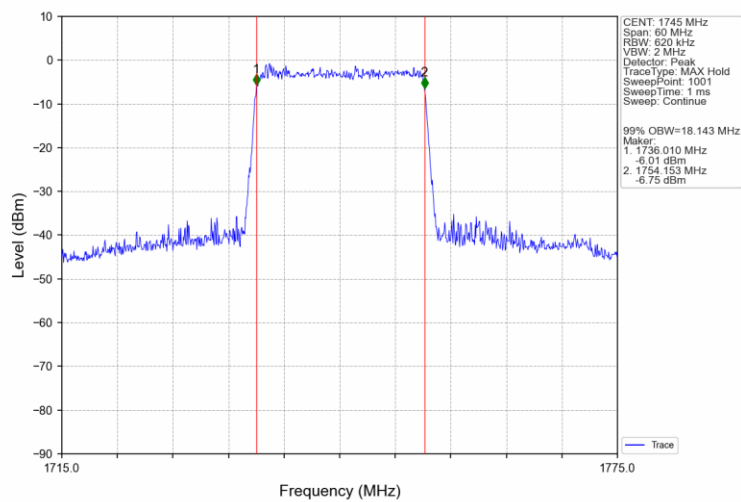
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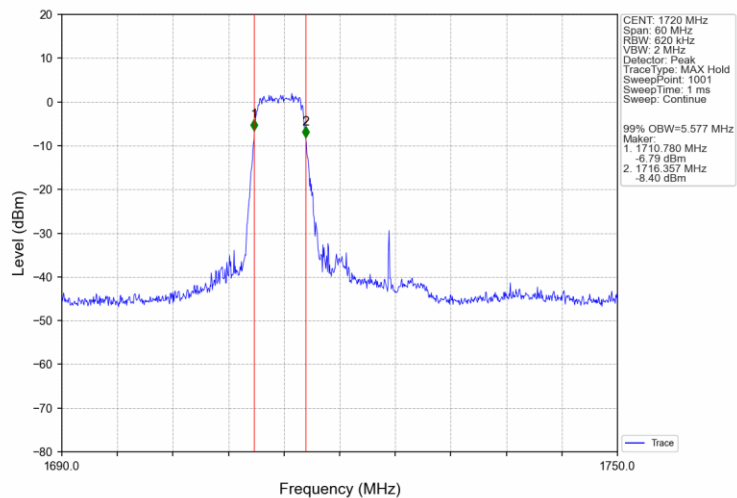
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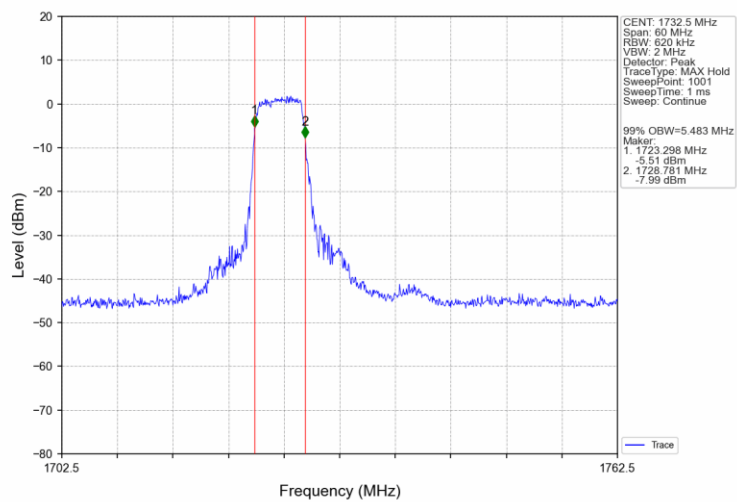
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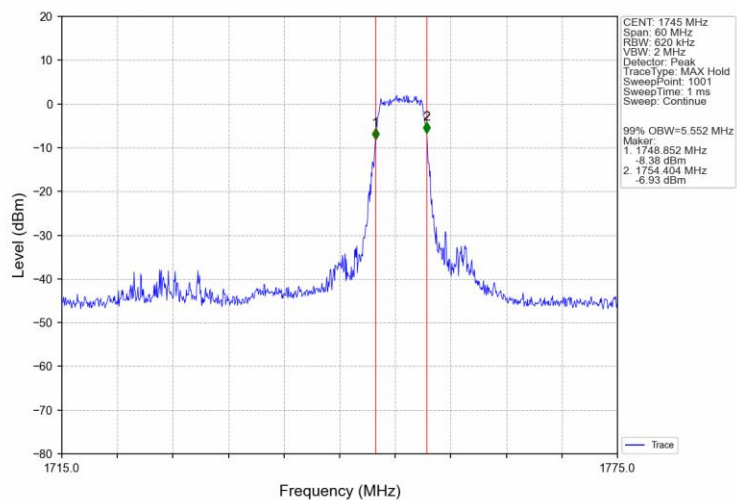
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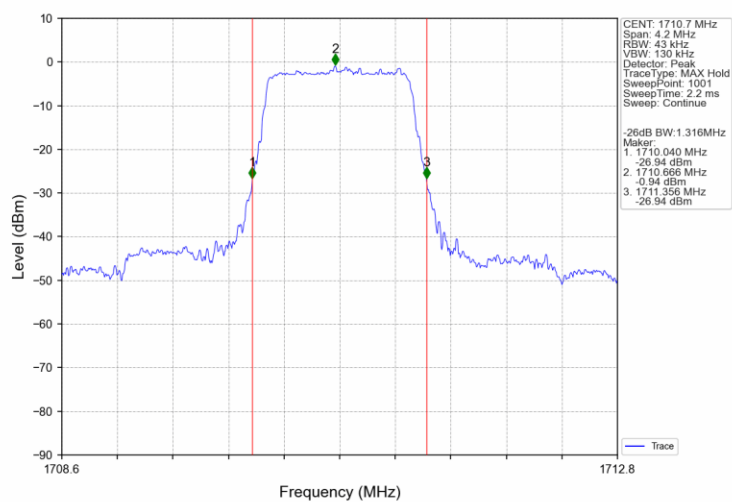


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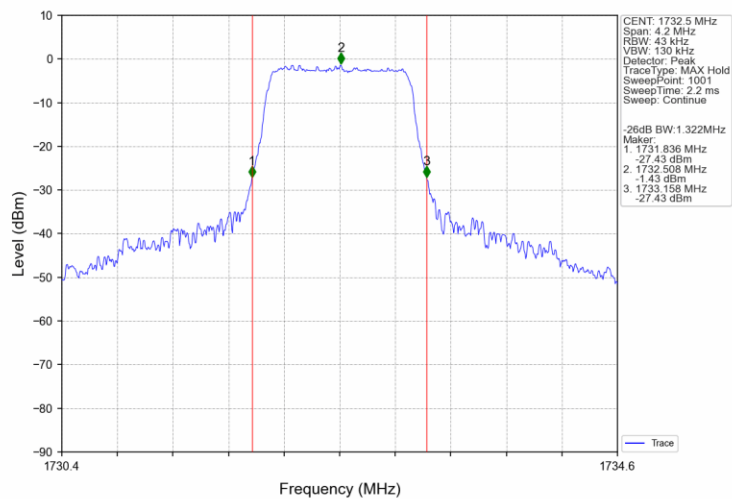


4.2.2 Band4_XDB

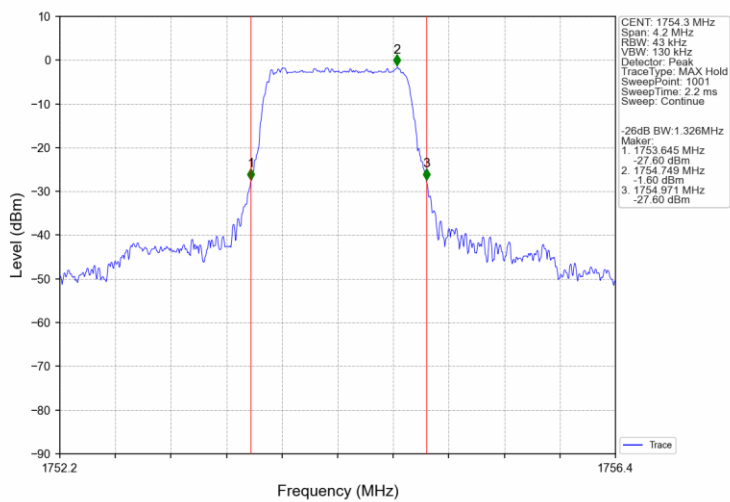
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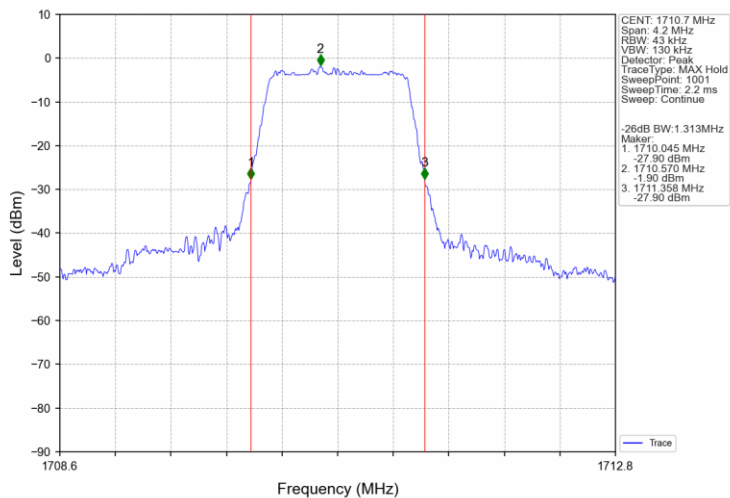
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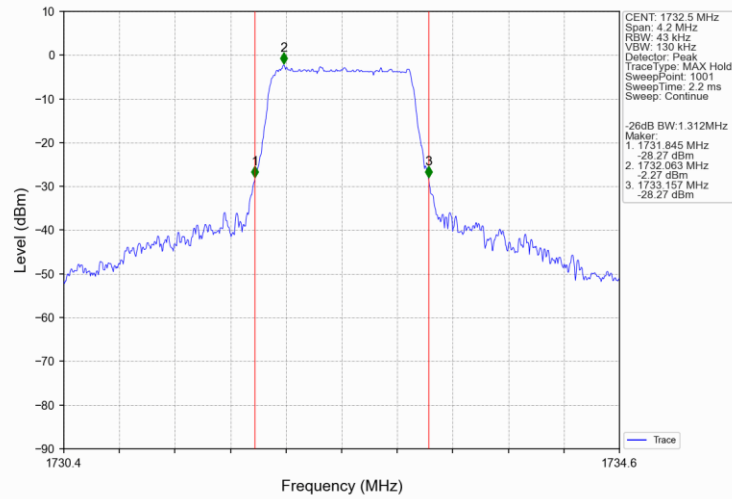
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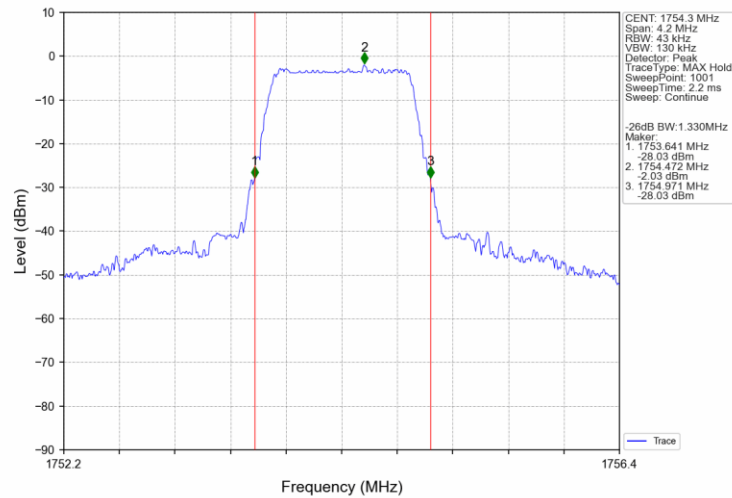
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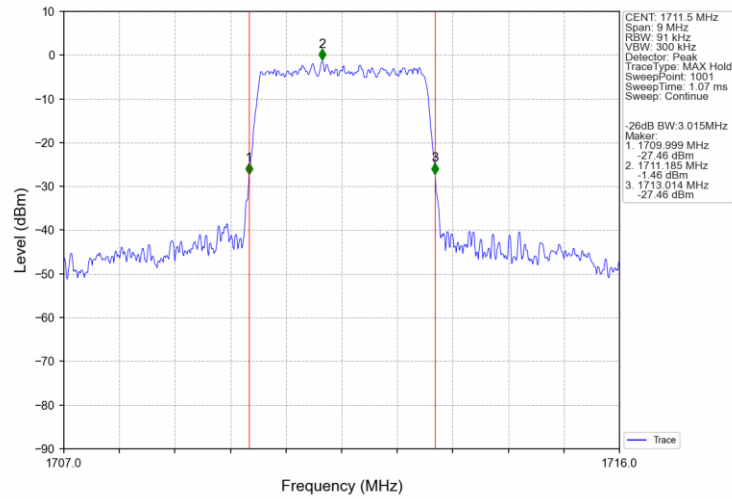
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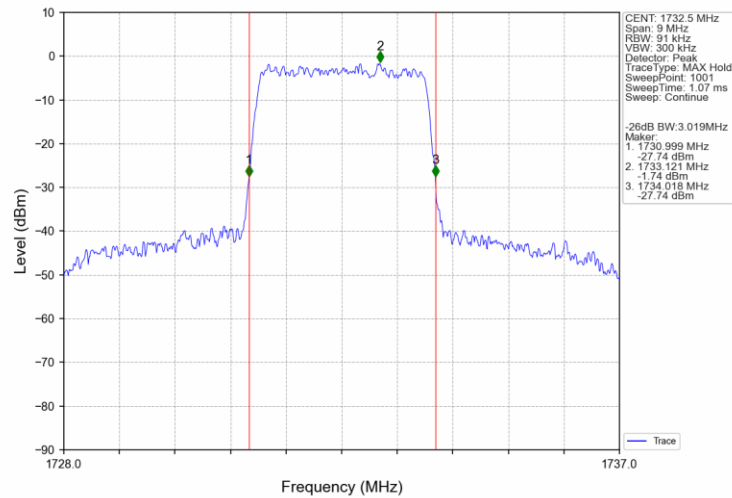
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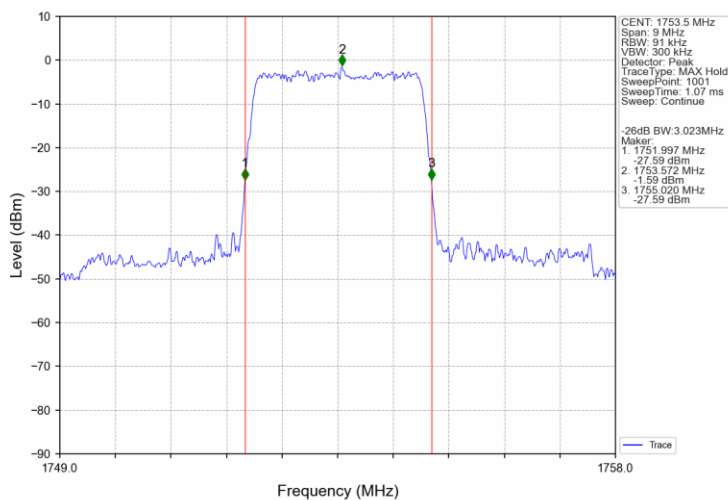
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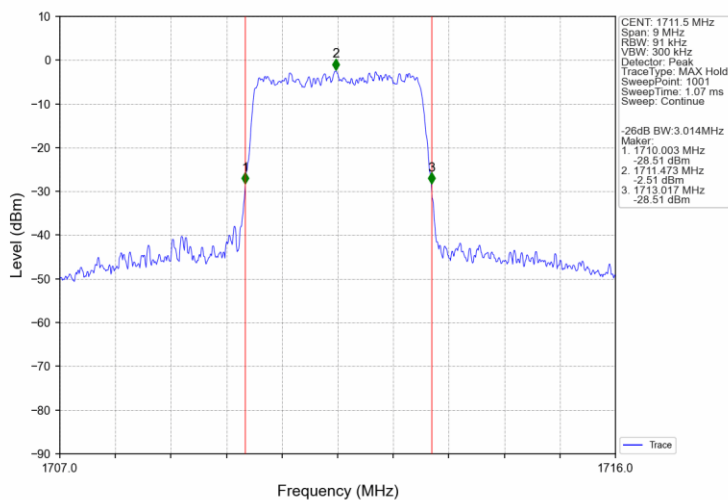
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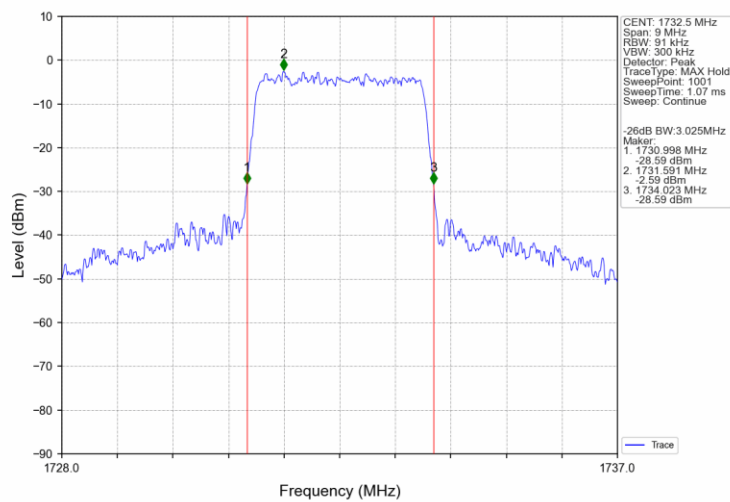
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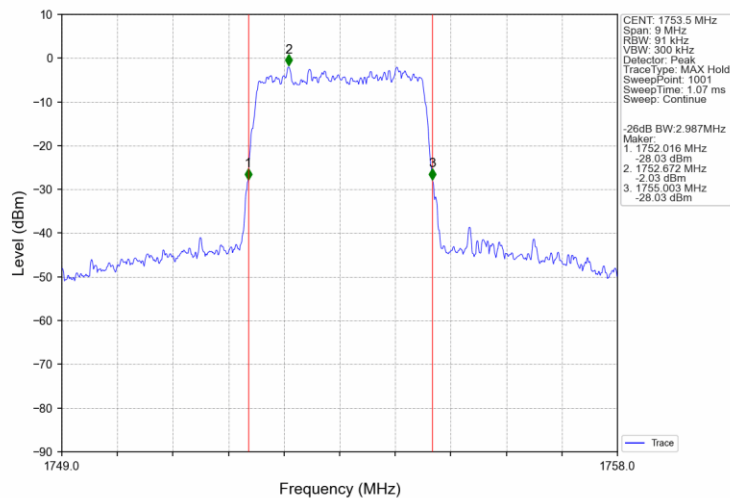
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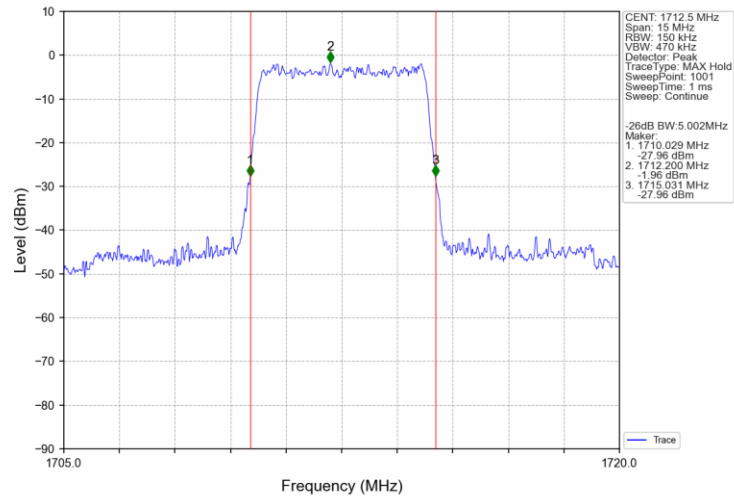
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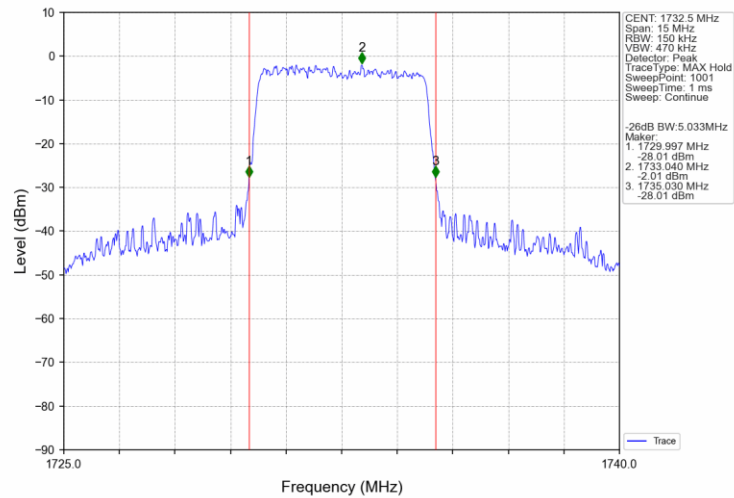
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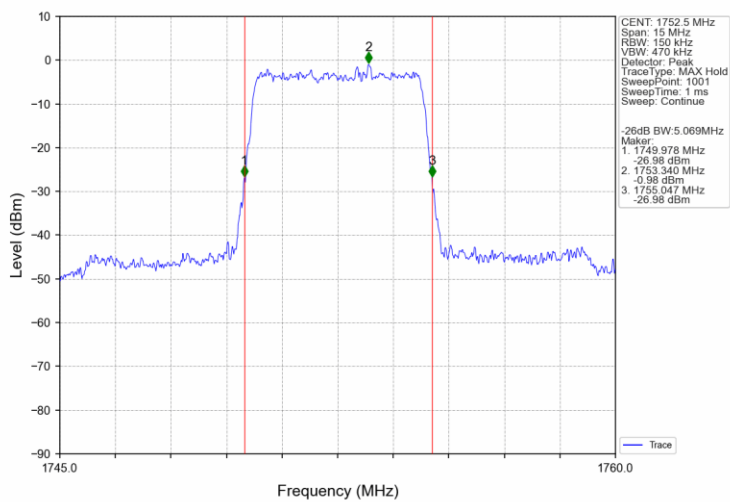
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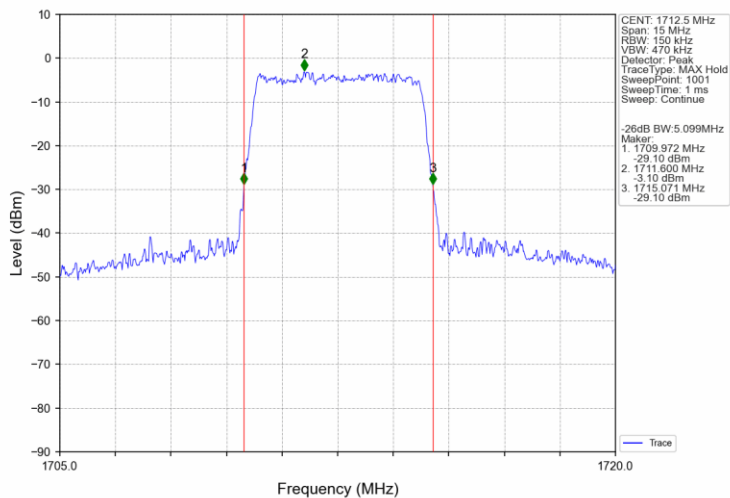
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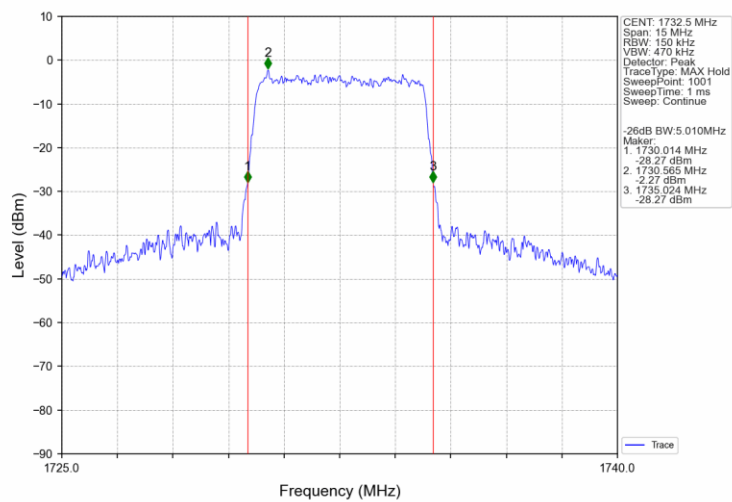
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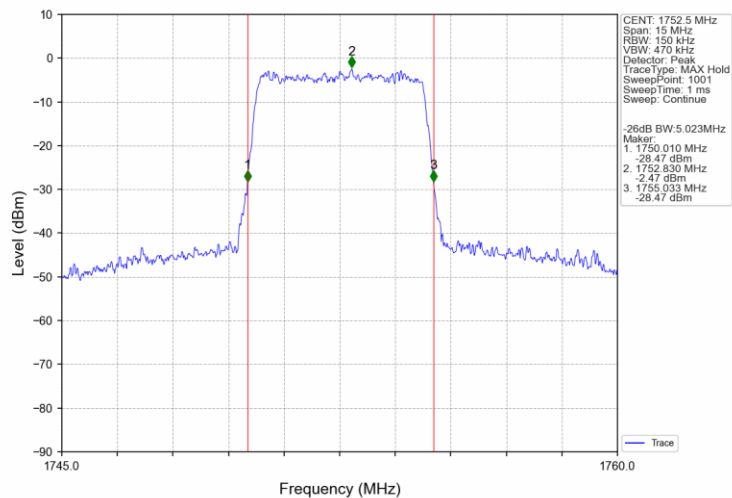
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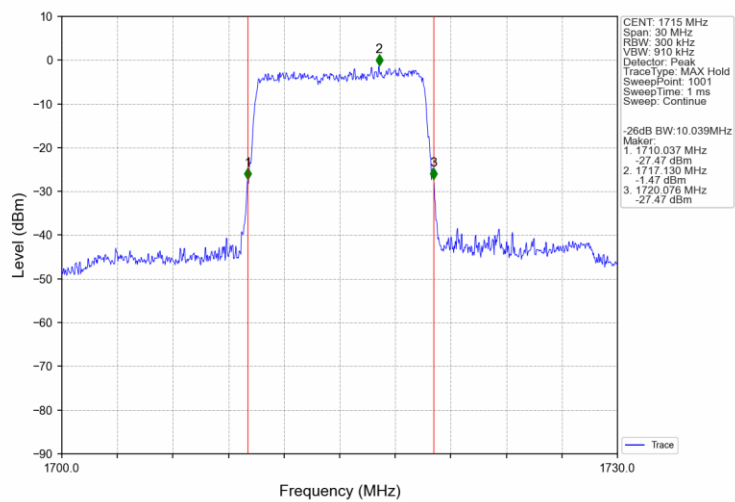
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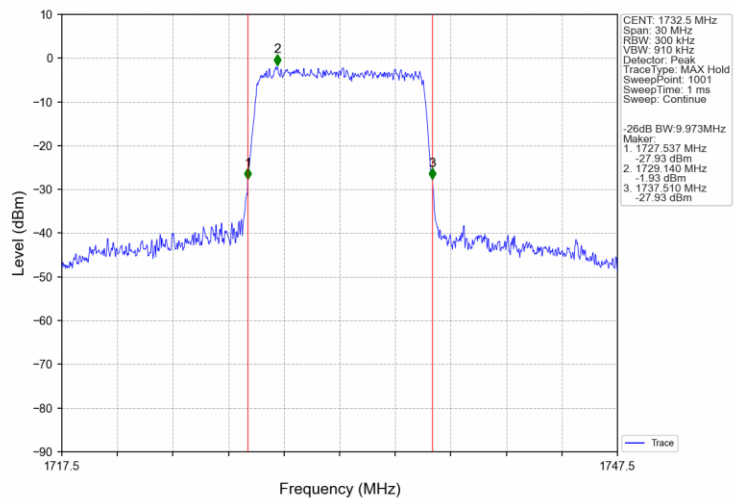
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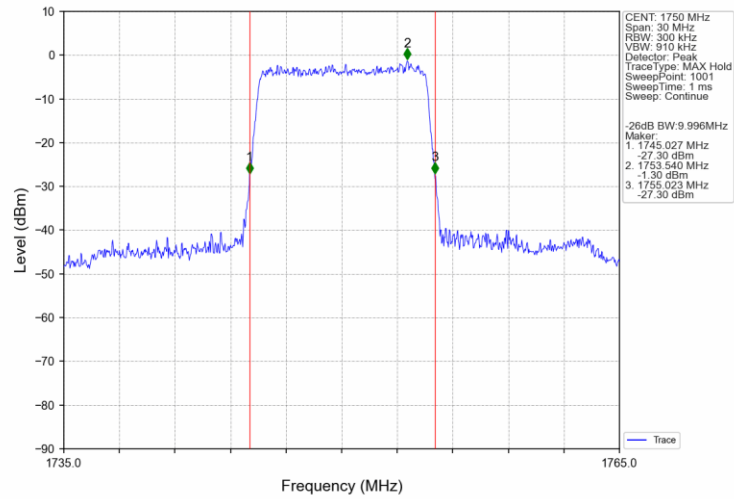
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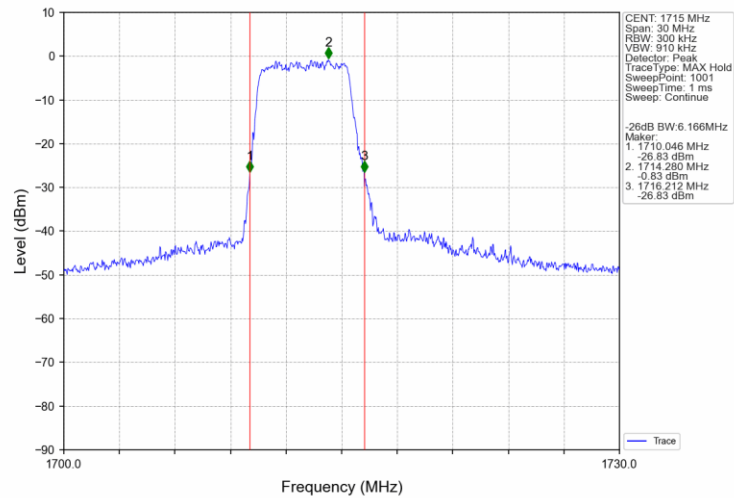
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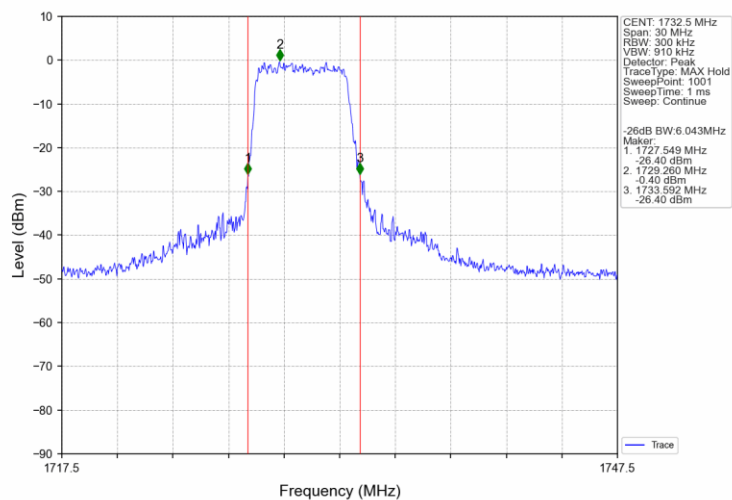
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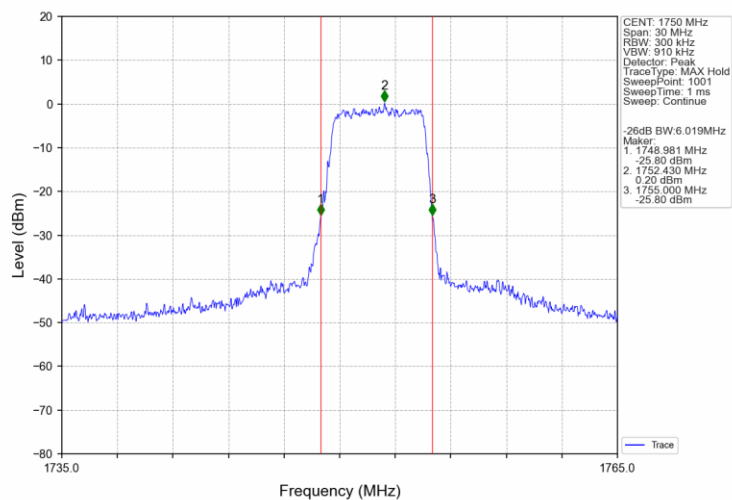
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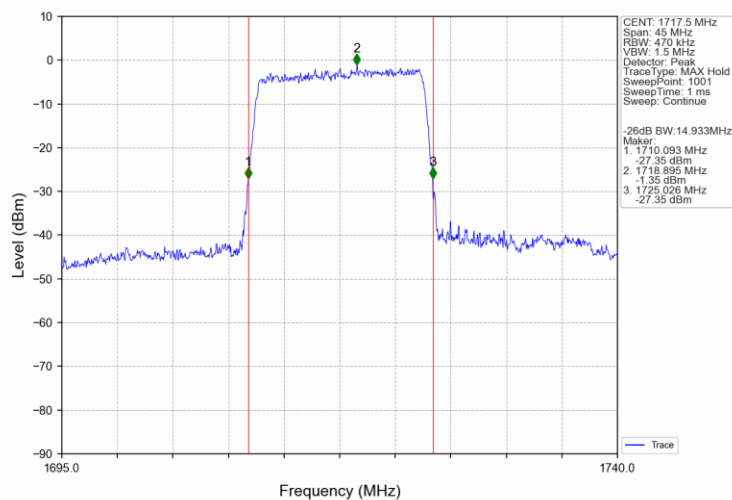
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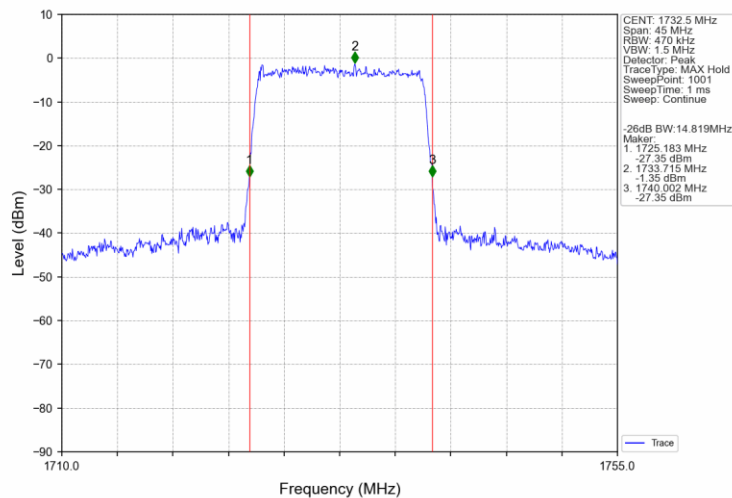
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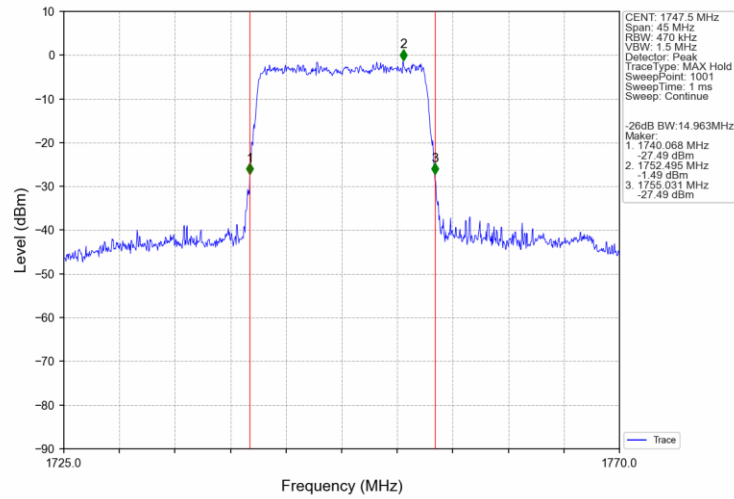
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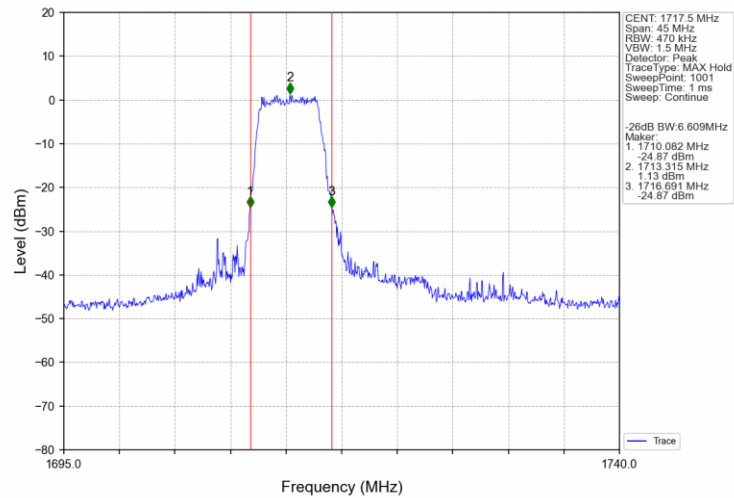
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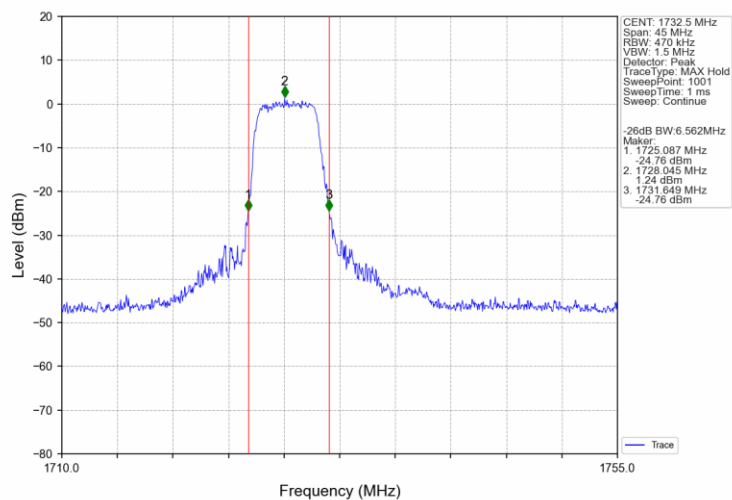
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV

