

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.27	-2.62	20.65	<=30	Pass
			2	23.33	-2.62	20.71	<=30	Pass
			5	23.25	-2.62	20.63	<=30	Pass
		3	0	23.38	-2.62	20.76	<=30	Pass
			2	23.32	-2.62	20.70	<=30	Pass
			3	23.35	-2.62	20.73	<=30	Pass
		6	0	22.39	-2.62	19.77	<=30	Pass
	1732.5	1	0	23.08	-2.62	20.46	<=30	Pass
			2	23.17	-2.62	20.55	<=30	Pass
			5	23.08	-2.62	20.46	<=30	Pass
		3	0	23.21	-2.62	20.59	<=30	Pass
			2	23.20	-2.62	20.58	<=30	Pass
			3	23.21	-2.62	20.59	<=30	Pass
		6	0	22.26	-2.62	19.64	<=30	Pass
	1754.3	1	0	22.96	-2.62	20.34	<=30	Pass
			2	23.04	-2.62	20.42	<=30	Pass
			5	22.92	-2.62	20.30	<=30	Pass
		3	0	23.10	-2.62	20.48	<=30	Pass
			2	23.03	-2.62	20.41	<=30	Pass
			3	23.04	-2.62	20.42	<=30	Pass
		6	0	22.11	-2.62	19.49	<=30	Pass
16QAM	1710.7	1	0	22.13	-2.62	19.51	<=30	Pass
			2	22.27	-2.62	19.65	<=30	Pass
			5	22.11	-2.62	19.49	<=30	Pass
		3	0	22.18	-2.62	19.56	<=30	Pass
			2	22.11	-2.62	19.49	<=30	Pass
			3	22.16	-2.62	19.54	<=30	Pass
		6	0	21.44	-2.62	18.82	<=30	Pass
	1732.5	1	0	22.25	-2.62	19.63	<=30	Pass
			2	22.37	-2.62	19.75	<=30	Pass
			5	22.29	-2.62	19.67	<=30	Pass
		3	0	22.12	-2.62	19.50	<=30	Pass
			2	22.09	-2.62	19.47	<=30	Pass
			3	22.10	-2.62	19.48	<=30	Pass
		6	0	21.20	-2.62	18.58	<=30	Pass
	1754.3	1	0	22.14	-2.62	19.52	<=30	Pass
			2	22.28	-2.62	19.66	<=30	Pass
			5	22.17	-2.62	19.55	<=30	Pass
		3	0	21.98	-2.62	19.36	<=30	Pass
			2	21.93	-2.62	19.31	<=30	Pass
			3	21.91	-2.62	19.29	<=30	Pass
		6	0	21.18	-2.62	18.56	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B4_3MHz_EIRP

1.2.1 Test Result

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	22.99	-2.62	20.37	<=30	Pass
			7	23.11	-2.62	20.49	<=30	Pass
			14	22.98	-2.62	20.36	<=30	Pass
		8	0	22.18	-2.62	19.56	<=30	Pass
			4	22.32	-2.62	19.70	<=30	Pass
			7	22.28	-2.62	19.66	<=30	Pass
		15	0	22.28	-2.62	19.66	<=30	Pass
	1732.5	1	0	22.99	-2.62	20.37	<=30	Pass
			7	23.08	-2.62	20.46	<=30	Pass
			14	22.92	-2.62	20.30	<=30	Pass
		8	0	22.11	-2.62	19.49	<=30	Pass
			4	22.18	-2.62	19.56	<=30	Pass
			7	22.15	-2.62	19.53	<=30	Pass
		15	0	22.15	-2.62	19.53	<=30	Pass
	1753.5	1	0	22.76	-2.62	20.14	<=30	Pass
			7	22.86	-2.62	20.24	<=30	Pass
			14	22.74	-2.62	20.12	<=30	Pass
		8	0	21.92	-2.62	19.30	<=30	Pass
			4	22.05	-2.62	19.43	<=30	Pass
			7	22.00	-2.62	19.38	<=30	Pass
		15	0	22.00	-2.62	19.38	<=30	Pass
16QAM	1711.5	1	0	22.16	-2.62	19.54	<=30	Pass
			7	22.30	-2.62	19.68	<=30	Pass
			14	22.15	-2.62	19.53	<=30	Pass
		8	0	21.29	-2.62	18.67	<=30	Pass
			4	21.39	-2.62	18.77	<=30	Pass
			7	21.32	-2.62	18.70	<=30	Pass
		15	0	21.28	-2.62	18.66	<=30	Pass
	1732.5	1	0	21.79	-2.62	19.17	<=30	Pass
			7	21.90	-2.62	19.28	<=30	Pass
			14	21.77	-2.62	19.15	<=30	Pass
		8	0	21.09	-2.62	18.47	<=30	Pass
			4	21.22	-2.62	18.60	<=30	Pass
			7	21.15	-2.62	18.53	<=30	Pass
		15	0	21.04	-2.62	18.42	<=30	Pass
	1753.5	1	0	21.97	-2.62	19.35	<=30	Pass
			7	22.03	-2.62	19.41	<=30	Pass
			14	21.92	-2.62	19.30	<=30	Pass
		8	0	21.03	-2.62	18.41	<=30	Pass
			4	21.08	-2.62	18.46	<=30	Pass
			7	21.02	-2.62	18.40	<=30	Pass
		15	0	20.95	-2.62	18.33	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.34	-2.62	20.72	<=30	Pass
			13	23.48	-2.62	20.86	<=30	Pass
			24	23.30	-2.62	20.68	<=30	Pass
		12	0	22.28	-2.62	19.66	<=30	Pass
			6	22.34	-2.62	19.72	<=30	Pass
			13	22.35	-2.62	19.73	<=30	Pass
		25	0	22.34	-2.62	19.72	<=30	Pass
	1732.5	1	0	23.29	-2.62	20.67	<=30	Pass
			13	23.38	-2.62	20.76	<=30	Pass
			24	23.19	-2.62	20.57	<=30	Pass
		12	0	22.19	-2.62	19.57	<=30	Pass
			6	22.23	-2.62	19.61	<=30	Pass
			13	22.21	-2.62	19.59	<=30	Pass
		25	0	22.20	-2.62	19.58	<=30	Pass
	1752.5	1	0	23.06	-2.62	20.44	<=30	Pass
			13	23.19	-2.62	20.57	<=30	Pass
			24	23.03	-2.62	20.41	<=30	Pass
		12	0	22.08	-2.62	19.46	<=30	Pass
			6	22.14	-2.62	19.52	<=30	Pass
			13	22.05	-2.62	19.43	<=30	Pass
		25	0	22.08	-2.62	19.46	<=30	Pass
16QAM	1712.5	1	0	22.39	-2.62	19.77	<=30	Pass
			13	22.52	-2.62	19.90	<=30	Pass
			24	22.35	-2.62	19.73	<=30	Pass
		12	0	21.27	-2.62	18.65	<=30	Pass
			6	21.38	-2.62	18.76	<=30	Pass
			13	21.35	-2.62	18.73	<=30	Pass
		25	0	21.38	-2.62	18.76	<=30	Pass
	1732.5	1	0	22.34	-2.62	19.72	<=30	Pass
			13	22.49	-2.62	19.87	<=30	Pass
			24	22.33	-2.62	19.71	<=30	Pass
		12	0	21.22	-2.62	18.60	<=30	Pass
			6	21.28	-2.62	18.66	<=30	Pass
			13	21.30	-2.62	18.68	<=30	Pass
		25	0	21.32	-2.62	18.70	<=30	Pass
	1752.5	1	0	22.25	-2.62	19.63	<=30	Pass
			13	22.39	-2.62	19.77	<=30	Pass
			24	22.28	-2.62	19.66	<=30	Pass
		12	0	21.17	-2.62	18.55	<=30	Pass
6			21.19	-2.62	18.57	<=30	Pass	
13			21.14	-2.62	18.52	<=30	Pass	
25		0	21.12	-2.62	18.50	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.36	-2.62	20.74	<=30	Pass
			25	23.36	-2.62	20.74	<=30	Pass
			49	23.30	-2.62	20.68	<=30	Pass
		25	0	22.24	-2.62	19.62	<=30	Pass
			13	22.39	-2.62	19.77	<=30	Pass
			25	22.33	-2.62	19.71	<=30	Pass
		50	0	22.33	-2.62	19.71	<=30	Pass
	1732.5	1	0	23.33	-2.62	20.71	<=30	Pass
			25	23.35	-2.62	20.73	<=30	Pass
			49	23.23	-2.62	20.61	<=30	Pass
		25	0	22.13	-2.62	19.51	<=30	Pass
			13	22.28	-2.62	19.66	<=30	Pass
			25	22.22	-2.62	19.60	<=30	Pass
		50	0	22.22	-2.62	19.60	<=30	Pass
	1750	1	0	23.08	-2.62	20.46	<=30	Pass
			25	23.11	-2.62	20.49	<=30	Pass
			49	23.01	-2.62	20.39	<=30	Pass
		25	0	22.10	-2.62	19.48	<=30	Pass
			13	22.13	-2.62	19.51	<=30	Pass
			25	22.01	-2.62	19.39	<=30	Pass
		50	0	22.07	-2.62	19.45	<=30	Pass
16QAM	1715	1	0	22.53	-2.62	19.91	<=30	Pass
			25	22.54	-2.62	19.92	<=30	Pass
			49	22.50	-2.62	19.88	<=30	Pass
		25	0	21.26	-2.62	18.64	<=30	Pass
			13	21.40	-2.62	18.78	<=30	Pass
			25	21.29	-2.62	18.67	<=30	Pass
		50	0	21.29	-2.62	18.67	<=30	Pass
	1732.5	1	0	22.18	-2.62	19.56	<=30	Pass
			25	22.16	-2.62	19.54	<=30	Pass
			49	22.15	-2.62	19.53	<=30	Pass
		25	0	21.20	-2.62	18.58	<=30	Pass
			13	21.31	-2.62	18.69	<=30	Pass
			25	21.29	-2.62	18.67	<=30	Pass
		50	0	21.23	-2.62	18.61	<=30	Pass
	1750	1	0	22.27	-2.62	19.65	<=30	Pass
			25	22.33	-2.62	19.71	<=30	Pass
			49	22.29	-2.62	19.67	<=30	Pass
		25	0	21.14	-2.62	18.52	<=30	Pass
			13	21.14	-2.62	18.52	<=30	Pass
			25	21.03	-2.62	18.41	<=30	Pass
		50	0	21.06	-2.62	18.44	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.28	-2.62	20.66	<=30	Pass
			38	23.41	-2.62	20.79	<=30	Pass
			74	23.21	-2.62	20.59	<=30	Pass
		36	0	22.25	-2.62	19.63	<=30	Pass
			18	22.34	-2.62	19.72	<=30	Pass
			39	22.27	-2.62	19.65	<=30	Pass
		75	0	22.29	-2.62	19.67	<=30	Pass
	1732.5	1	0	23.30	-2.62	20.68	<=30	Pass
			38	23.38	-2.62	20.76	<=30	Pass
			74	23.19	-2.62	20.57	<=30	Pass
		36	0	22.16	-2.62	19.54	<=30	Pass
			18	22.20	-2.62	19.58	<=30	Pass
			39	22.22	-2.62	19.60	<=30	Pass
		75	0	22.22	-2.62	19.60	<=30	Pass
	1747.5	1	0	23.07	-2.62	20.45	<=30	Pass
			38	23.20	-2.62	20.58	<=30	Pass
			74	23.04	-2.62	20.42	<=30	Pass
		36	0	22.11	-2.62	19.49	<=30	Pass
			18	22.16	-2.62	19.54	<=30	Pass
			39	22.07	-2.62	19.45	<=30	Pass
		75	0	22.14	-2.62	19.52	<=30	Pass
16QAM	1717.5	1	0	22.45	-2.62	19.83	<=30	Pass
			38	22.54	-2.62	19.92	<=30	Pass
			74	22.36	-2.62	19.74	<=30	Pass
		36	0	21.26	-2.62	18.64	<=30	Pass
			18	21.32	-2.62	18.70	<=30	Pass
			39	21.28	-2.62	18.66	<=30	Pass
		75	0	21.22	-2.62	18.60	<=30	Pass
	1732.5	1	0	22.17	-2.62	19.55	<=30	Pass
			38	22.26	-2.62	19.64	<=30	Pass
			74	22.08	-2.62	19.46	<=30	Pass
		36	0	21.13	-2.62	18.51	<=30	Pass
			18	21.20	-2.62	18.58	<=30	Pass
			39	21.21	-2.62	18.59	<=30	Pass
		75	0	21.21	-2.62	18.59	<=30	Pass
	1747.5	1	0	22.37	-2.62	19.75	<=30	Pass
			38	22.48	-2.62	19.86	<=30	Pass
			74	22.32	-2.62	19.70	<=30	Pass
		36	0	21.16	-2.62	18.54	<=30	Pass
			18	21.21	-2.62	18.59	<=30	Pass
			39	21.11	-2.62	18.49	<=30	Pass
		75	0	21.12	-2.62	18.50	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1720	1	0	23.34	-2.62	20.72	<=30	Pass	
			50	23.48	-2.62	20.86	<=30	Pass	
			99	23.27	-2.62	20.65	<=30	Pass	
		50	0	22.28	-2.62	19.66	<=30	Pass	
			25	22.38	-2.62	19.76	<=30	Pass	
			50	22.29	-2.62	19.67	<=30	Pass	
		100	0	22.27	-2.62	19.65	<=30	Pass	
		1732.5	1	0	23.14	-2.62	20.52	<=30	Pass
				50	23.23	-2.62	20.61	<=30	Pass
	99			22.97	-2.62	20.35	<=30	Pass	
	50		0	22.20	-2.62	19.58	<=30	Pass	
			25	22.27	-2.62	19.65	<=30	Pass	
			50	22.30	-2.62	19.68	<=30	Pass	
	100	0	22.23	-2.62	19.61	<=30	Pass		
	1745	1	0	23.14	-2.62	20.52	<=30	Pass	
			50	23.26	-2.62	20.64	<=30	Pass	
			99	23.08	-2.62	20.46	<=30	Pass	
		50	0	22.08	-2.62	19.46	<=30	Pass	
			25	22.17	-2.62	19.55	<=30	Pass	
			50	22.04	-2.62	19.42	<=30	Pass	
		100	0	22.03	-2.62	19.41	<=30	Pass	
16QAM		1720	1	0	22.42	-2.62	19.80	<=30	Pass
				50	22.59	-2.62	19.97	<=30	Pass
	99			22.32	-2.62	19.70	<=30	Pass	
	50		0	21.26	-2.62	18.64	<=30	Pass	
			25	21.37	-2.62	18.75	<=30	Pass	
			50	21.29	-2.62	18.67	<=30	Pass	
	100		0	21.28	-2.62	18.66	<=30	Pass	
	1732.5	1	0	22.21	-2.62	19.59	<=30	Pass	
			50	22.35	-2.62	19.73	<=30	Pass	
			99	22.09	-2.62	19.47	<=30	Pass	
		50	0	21.27	-2.62	18.65	<=30	Pass	
			25	21.36	-2.62	18.74	<=30	Pass	
			50	21.36	-2.62	18.74	<=30	Pass	
	100	0	21.24	-2.62	18.62	<=30	Pass		
	1745	1	0	22.22	-2.62	19.60	<=30	Pass	
			50	22.35	-2.62	19.73	<=30	Pass	
			99	22.18	-2.62	19.56	<=30	Pass	
		50	0	21.09	-2.62	18.47	<=30	Pass	
			25	21.24	-2.62	18.62	<=30	Pass	
			50	21.08	-2.62	18.46	<=30	Pass	
		100	0	21.01	-2.62	18.39	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

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	-0.529	-0.0003	-2.5 to 2.5	Pass
					3.85	-4.749	-0.0028	-2.5 to 2.5	Pass
					4.43	1.502	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-6.194	-0.0036	-2.5 to 2.5	Pass
					3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
					4.43	-5.822	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				0	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				30	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.845	-0.0011	-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	-6.595	-0.0038	-2.5 to 2.5	Pass
					3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.445	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	3.362	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-5.851	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				10	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				30	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
				40	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				50	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-7.081	-0.0041	-2.5 to 2.5	Pass
					3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
					4.43	-6.266	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				0	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				10	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				30	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				40	3.85	-5.593	-0.0033	-2.5 to 2.5	Pass
				50	3.85	0.744	0.0004	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	-3.676	-0.0021	-2.5 to 2.5	Pass
					3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
					4.43	2.418	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				0	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				10	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				30	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-6.680	-0.0038	-2.5 to 2.5	Pass
					3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
					4.43	2.160	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.691	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				0	3.85	2.947	0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-6.752	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

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	-0.143	-0.0001	-2.5 to 2.5	Pass
					3.85	-8.411	-0.0049	-2.5 to 2.5	Pass
					4.43	-4.077	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	2.589	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				0	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	-6.995	-0.0041	-2.5 to 2.5	Pass
				30	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.631	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-1.416	-0.0008	-2.5 to 2.5	Pass
					3.85	-7.753	-0.0045	-2.5 to 2.5	Pass
					4.43	-7.854	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	3.705	0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.394	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				0	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				10	3.85	-8.669	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass

	1753.5	15	0	20	3.27	-4.377	-0.0025	-2.5 to 2.5	Pass
					3.85	3.977	0.0023	-2.5 to 2.5	Pass
					4.43	2.375	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	3.076	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-6.566	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-4.020	-0.0023	-2.5 to 2.5	Pass
					3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
					4.43	-4.449	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-8.254	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-8.154	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-7.296	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-2.618	-0.0015	-2.5 to 2.5	Pass
					3.85	-0.043	0.0000	-2.5 to 2.5	Pass
					4.43	3.519	0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				40	3.85	2.117	0.0012	-2.5 to 2.5	Pass
				50	3.85	0.987	0.0006	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	2.675	0.0015	-2.5 to 2.5	Pass
					3.85	0.715	0.0004	-2.5 to 2.5	Pass
					4.43	-0.930	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
				10	3.85	4.864	0.0028	-2.5 to 2.5	Pass
				30	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				40	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

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	2.503	0.0015	-2.5 to 2.5	Pass
					3.85	0.658	0.0004	-2.5 to 2.5	Pass
					4.43	0.701	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				0	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				10	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				30	3.85	2.332	0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.489	-0.0015	-2.5 to 2.5	Pass
				50	3.85	1.588	0.0009	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	1.731	0.0010	-2.5 to 2.5	Pass
					3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
					4.43	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				50	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-1.531	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
					4.43	-5.007	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	1.559	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				30	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				40	3.85	2.861	0.0016	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-0.343	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
					4.43	-2.561	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.787	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				30	3.85	4.163	0.0024	-2.5 to 2.5	Pass
				40	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.974	-0.0012	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.401	0.0002	-2.5 to 2.5	Pass
					3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
					4.43	-4.492	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-6.137	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-5.479	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-5.736	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.27	-0.715	-0.0004	-2.5 to 2.5	Pass
					3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
					4.43	-5.407	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				40	3.85	4.091	0.0023	-2.5 to 2.5	Pass
				50	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

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	-0.100	-0.0001	-2.5 to 2.5	Pass
					3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.715	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.944	0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				30	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				40	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.715	-0.0004	-2.5 to 2.5	Pass
					3.85	1.659	0.0010	-2.5 to 2.5	Pass
					4.43	-2.246	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-3.562	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	3.347	0.0019	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	-1.845	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	2.875	0.0016	-2.5 to 2.5	Pass
				-20	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				-10	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				10	3.85	2.975	0.0017	-2.5 to 2.5	Pass
				30	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				40	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass

16QAM	1715	50	0	20	3.27	0.172	0.0001	-2.5 to 2.5	Pass
					3.85	2.289	0.0013	-2.5 to 2.5	Pass
					4.43	0.973	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.259	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-1.574	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-0.343	-0.0002	-2.5 to 2.5	Pass
					3.85	0.572	0.0003	-2.5 to 2.5	Pass
					4.43	3.505	0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.817	0.0010	-2.5 to 2.5	Pass
				-20	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				10	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				30	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				40	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.701	0.0004	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

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	-5.193	-0.0030	-2.5 to 2.5	Pass
					3.85	-0.043	0.0000	-2.5 to 2.5	Pass
					4.43	-2.003	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-3.362	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass

	1732.5	75	0	20	3.27	-3.319	-0.0019	-2.5 to 2.5	Pass
					3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
					4.43	-6.523	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.518	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.877	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.562	-0.0021	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	1.802	0.0010	-2.5 to 2.5	Pass
					3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
					4.43	0.815	0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.360	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				0	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				10	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				30	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				40	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-2.446	-0.0014	-2.5 to 2.5	Pass
					3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.302	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-4.263	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-5.922	-0.0034	-2.5 to 2.5	Pass
					3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
					4.43	-5.064	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	1.273	0.0007	-2.5 to 2.5	Pass
					3.85	0.401	0.0002	-2.5 to 2.5	Pass
					4.43	0.858	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				0	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				10	3.85	4.263	0.0024	-2.5 to 2.5	Pass
				30	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				40	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-2.203	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
					4.43	0.114	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-0.043	0.0000	-2.5 to 2.5	Pass
					3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.018	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				0	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				40	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				50	3.85	-3.977	-0.0023	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.619	-0.0021	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.602	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.905	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-0.615	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
					4.43	0.329	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				10	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				40	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-1.874	-0.0011	-2.5 to 2.5	Pass

					3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.917	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-0.143	-0.0001	-2.5 to 2.5	Pass
					3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
					4.43	-2.375	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.390	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass

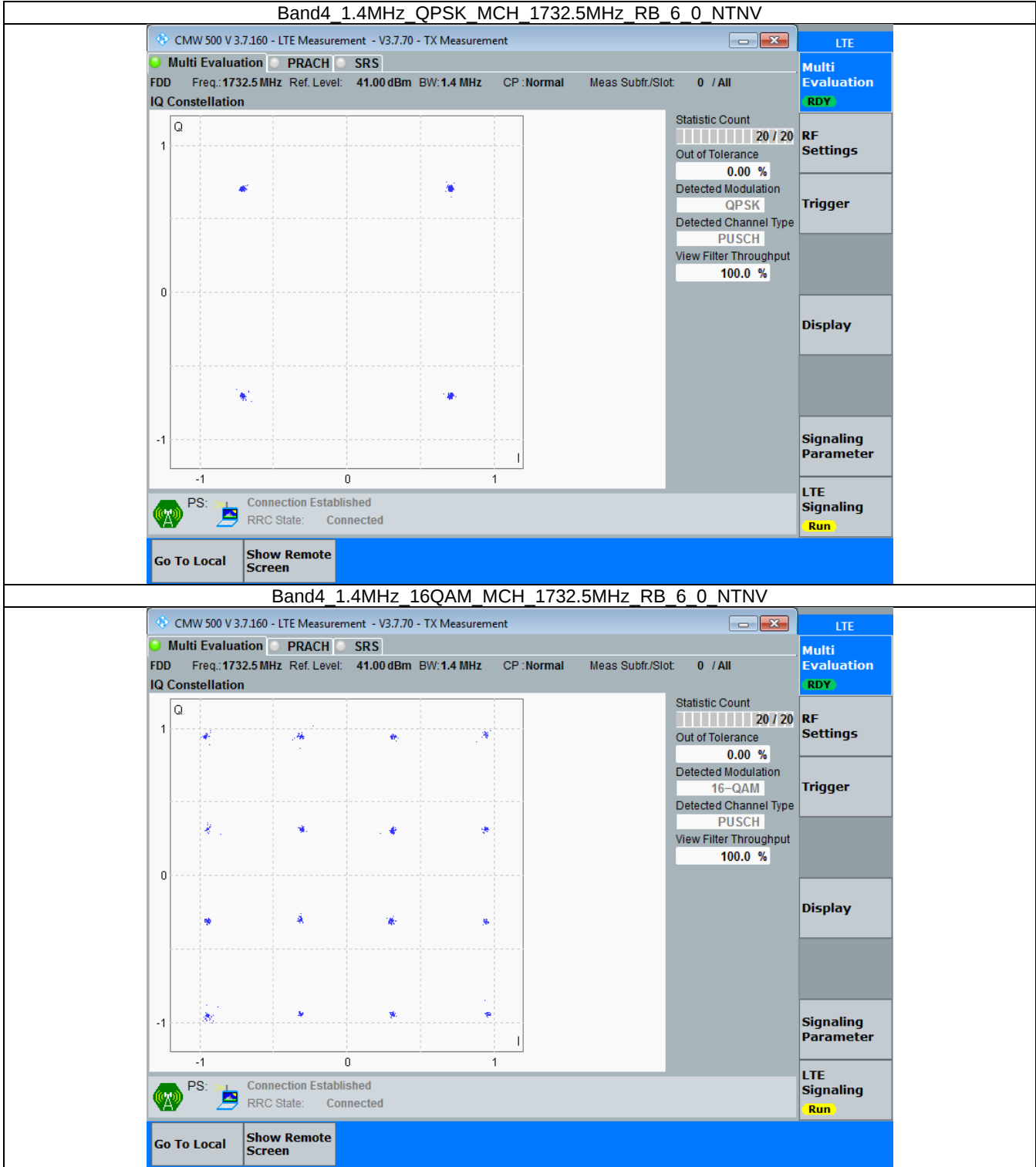
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

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 Test Graph

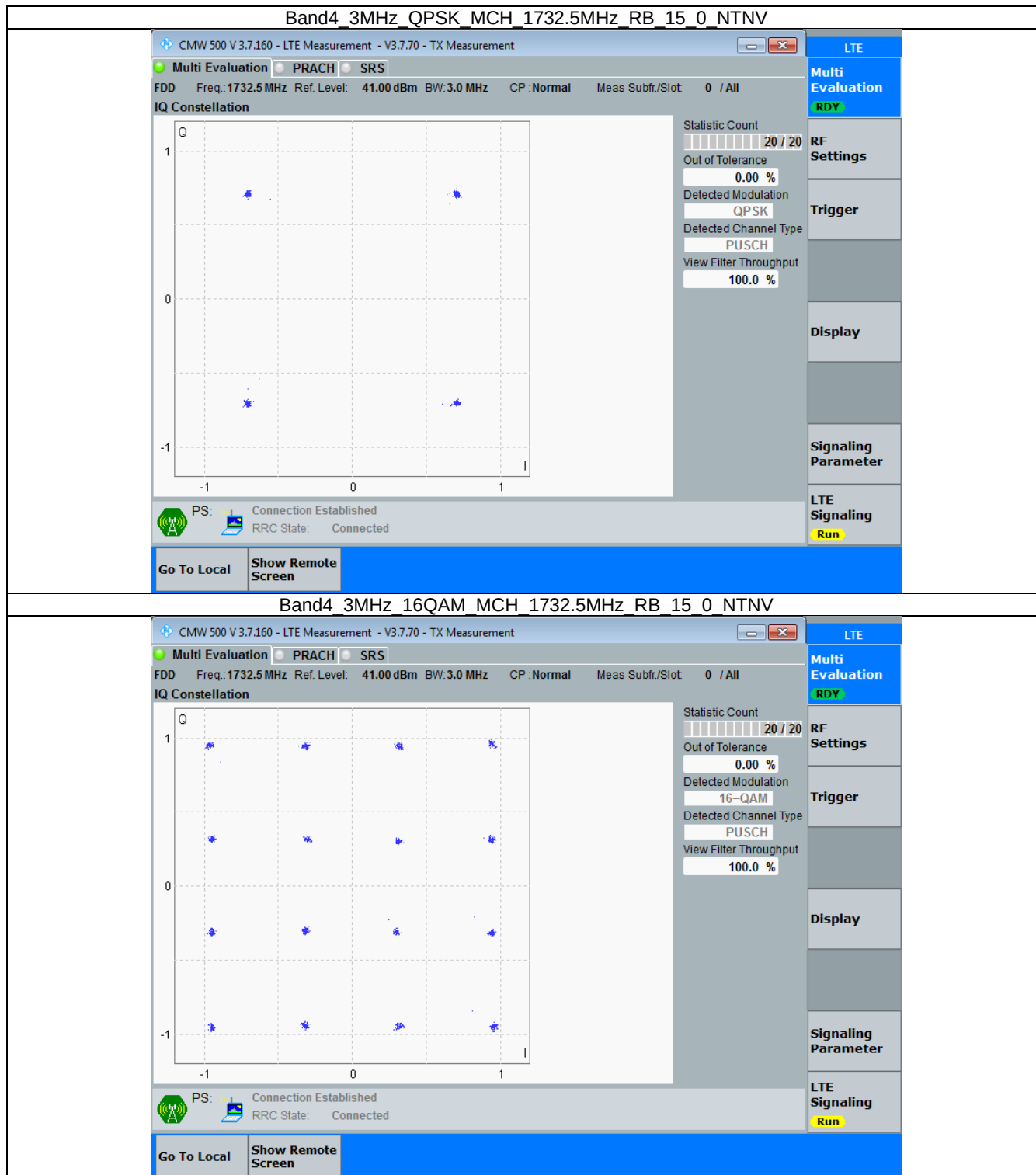


3.2 B4_3MHz

3.2.1 Test Result

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

3.2.2 Test Graph

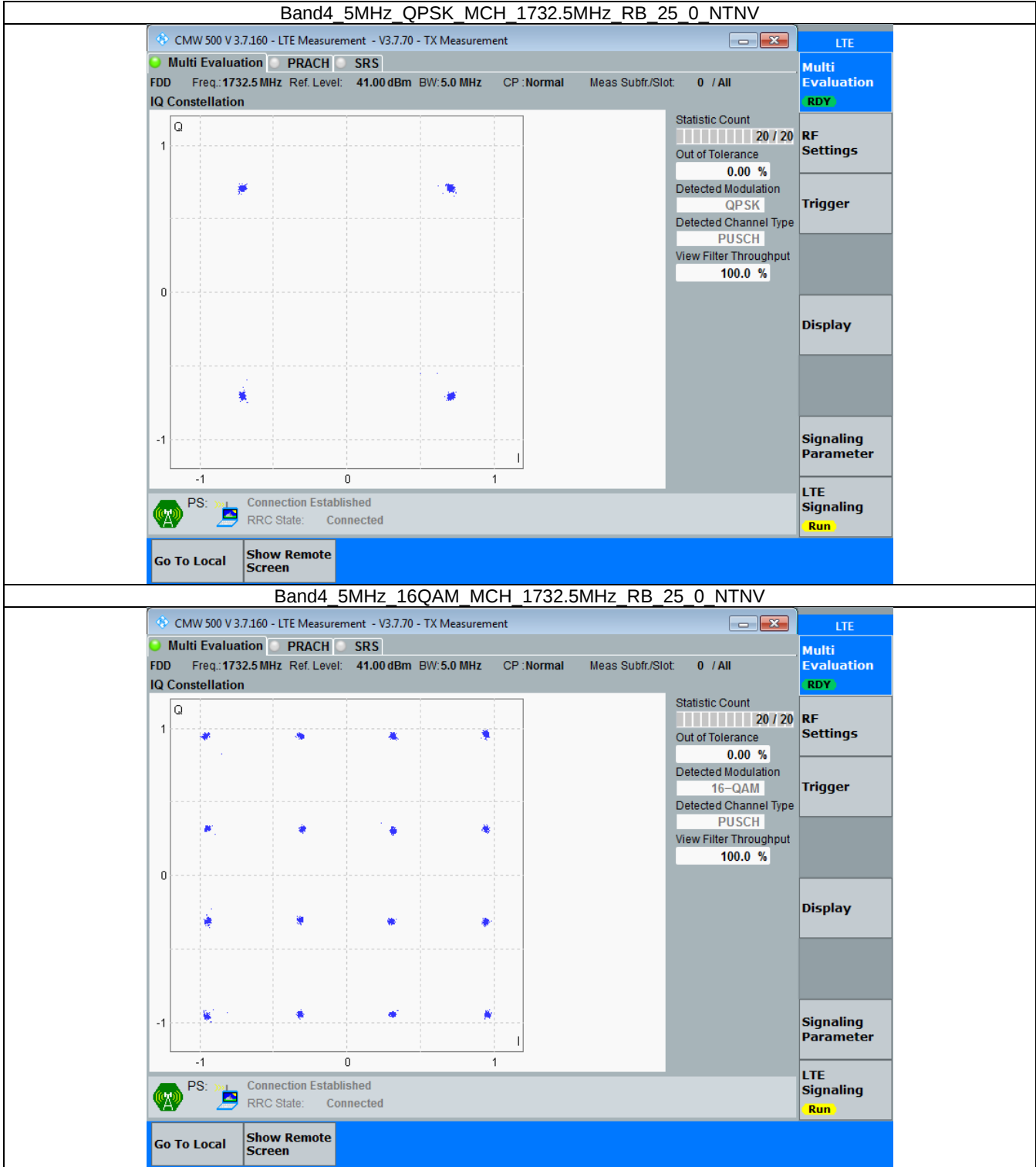


3.3 B4_5MHz

3.3.1 Test Result

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

3.3.2 Test Graph

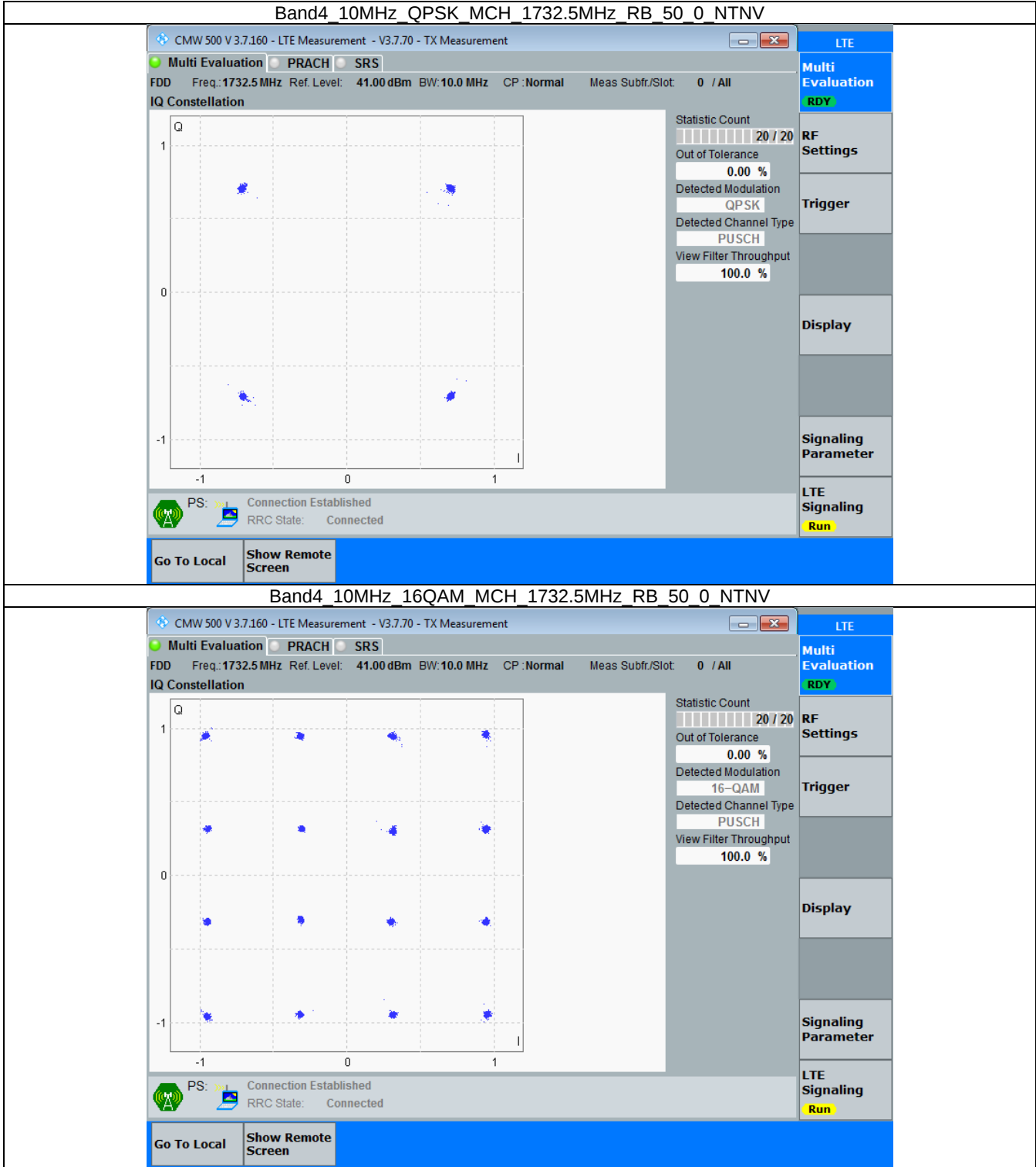


3.4 B4_10MHz

3.4.1 Test Result

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

3.4.2 Test Graph

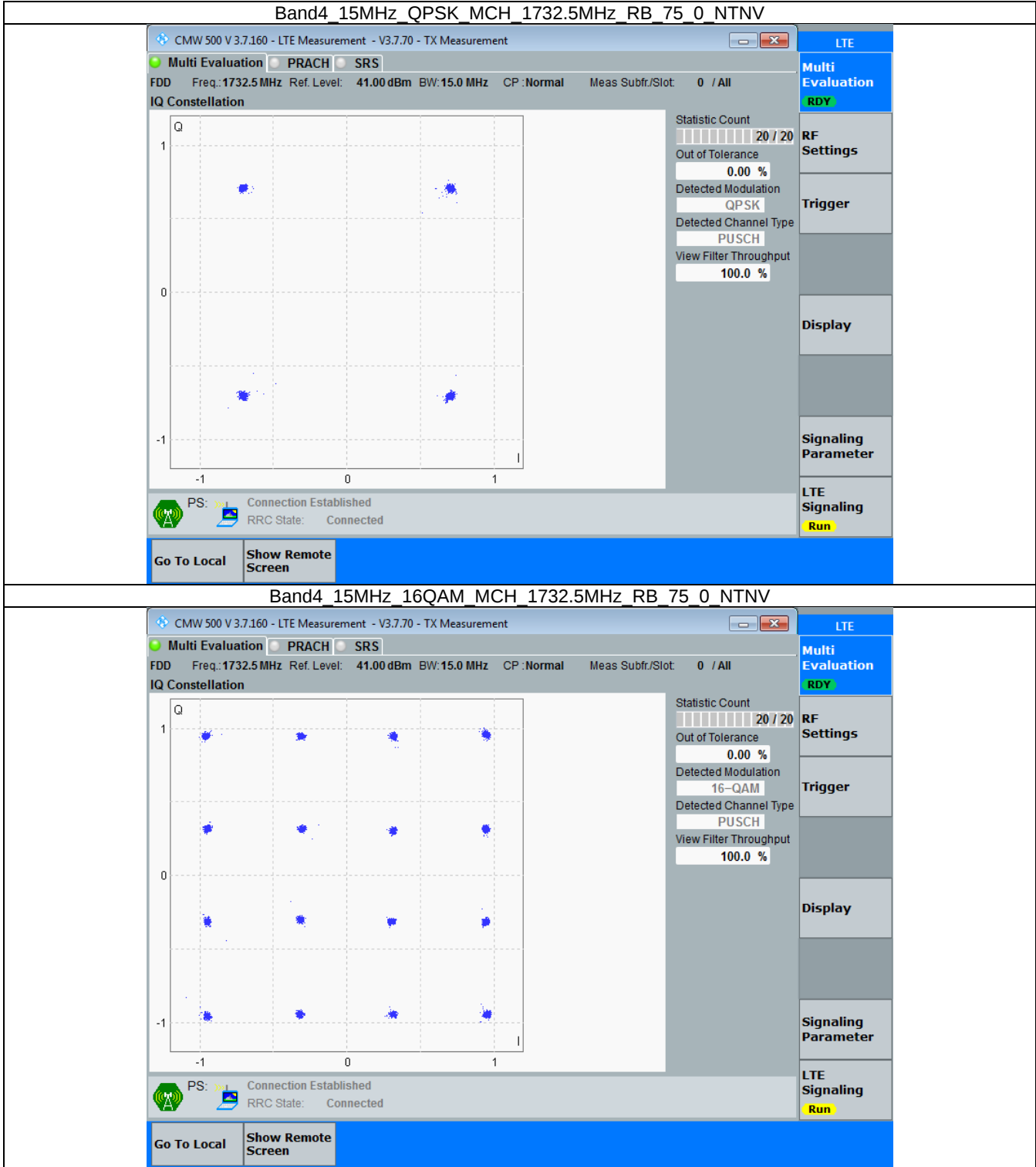


3.5 B4_15MHz

3.5.1 Test Result

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

3.5.2 Test Graph

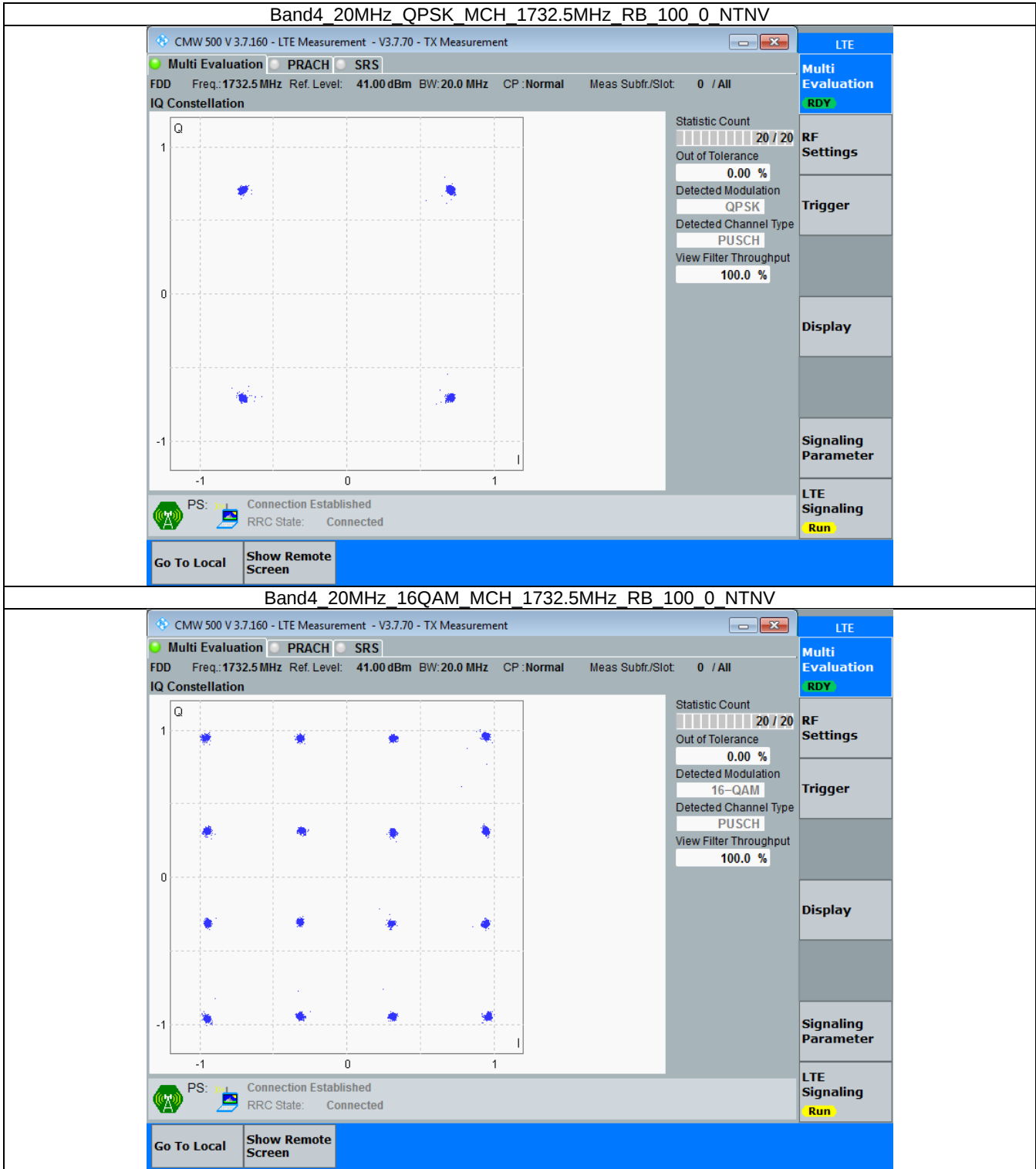


3.6 B4_20MHz

3.6.1 Test Result

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

3.6.2 Test Graph



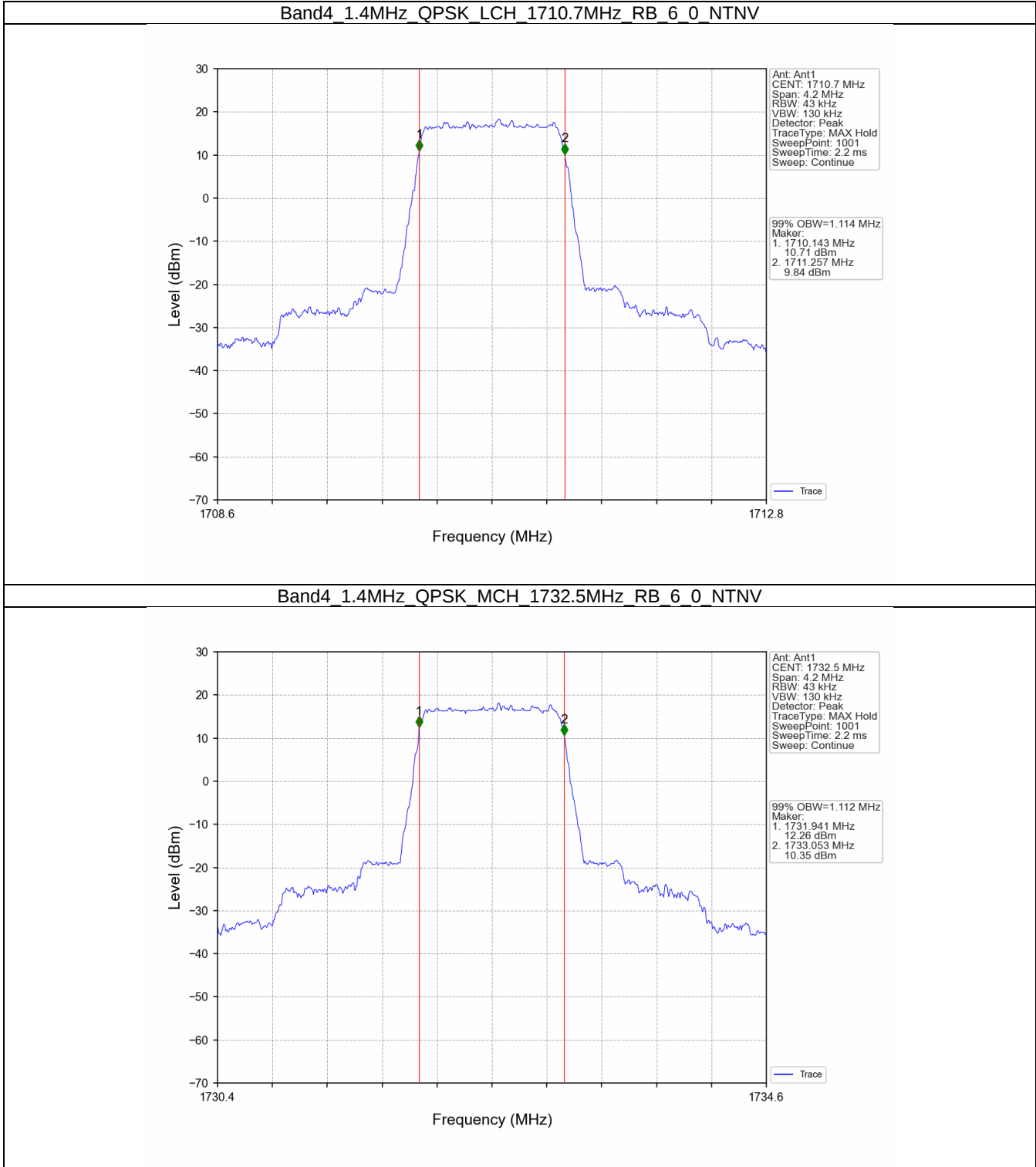
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

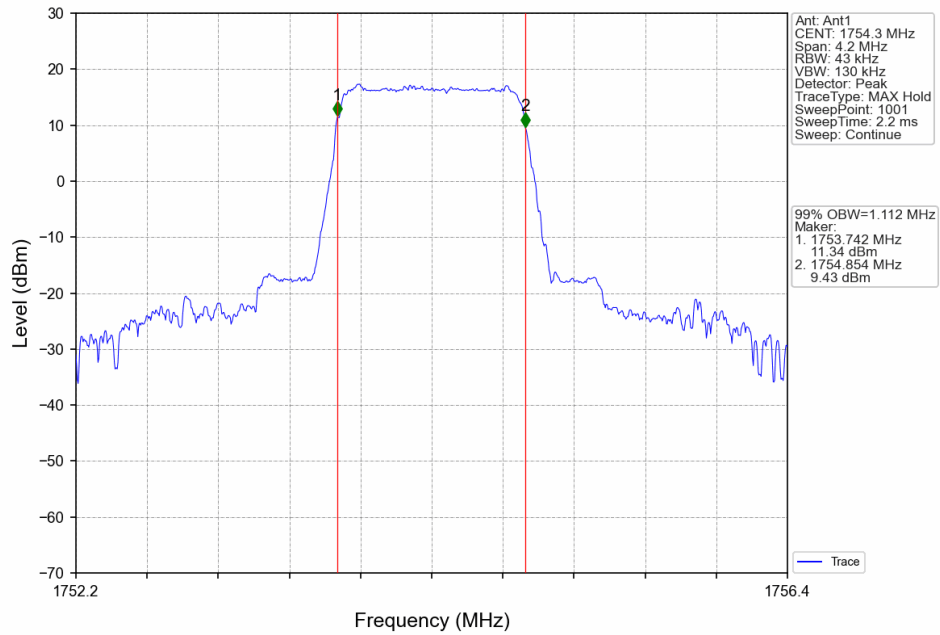
4.1.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.114	Pass
		1732.5	6	0	1.112	Pass
		1754.3	6	0	1.112	Pass
	16QAM	1710.7	6	0	1.110	Pass
		1732.5	6	0	1.113	Pass
		1754.3	6	0	1.118	Pass
3	QPSK	1711.5	15	0	2.728	Pass
		1732.5	15	0	2.735	Pass
		1753.5	15	0	2.735	Pass
	16QAM	1711.5	15	0	2.716	Pass
		1732.5	15	0	2.723	Pass
		1753.5	15	0	2.719	Pass
5	QPSK	1712.5	25	0	4.537	Pass
		1732.5	25	0	4.548	Pass
		1752.5	25	0	4.538	Pass
	16QAM	1712.5	25	0	4.540	Pass
		1732.5	25	0	4.563	Pass
		1752.5	25	0	4.538	Pass
10	QPSK	1715	50	0	9.033	Pass
		1732.5	50	0	9.030	Pass
		1750	50	0	9.052	Pass
	16QAM	1715	50	0	9.009	Pass
		1732.5	50	0	9.030	Pass
		1750	50	0	9.037	Pass
15	QPSK	1717.5	75	0	13.561	Pass
		1732.5	75	0	13.555	Pass
		1747.5	75	0	13.546	Pass
	16QAM	1717.5	75	0	13.565	Pass
		1732.5	75	0	13.559	Pass
		1747.5	75	0	13.558	Pass
20	QPSK	1720	100	0	18.020	Pass
		1732.5	100	0	18.035	Pass
		1745	100	0	17.993	Pass
	16QAM	1720	100	0	18.014	Pass
		1732.5	100	0	18.080	Pass
		1745	100	0	18.143	Pass

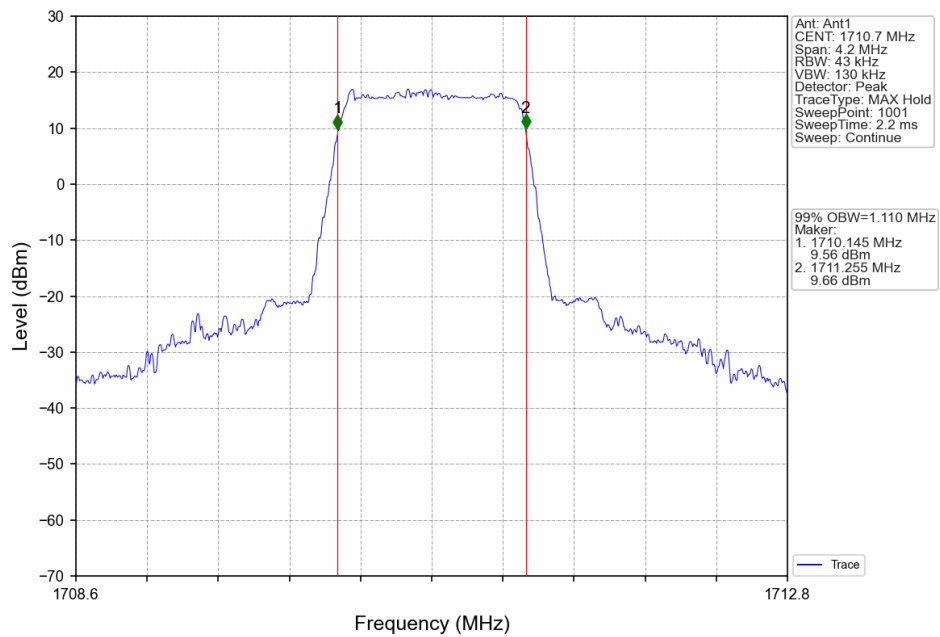
4.1.2 Test Graph



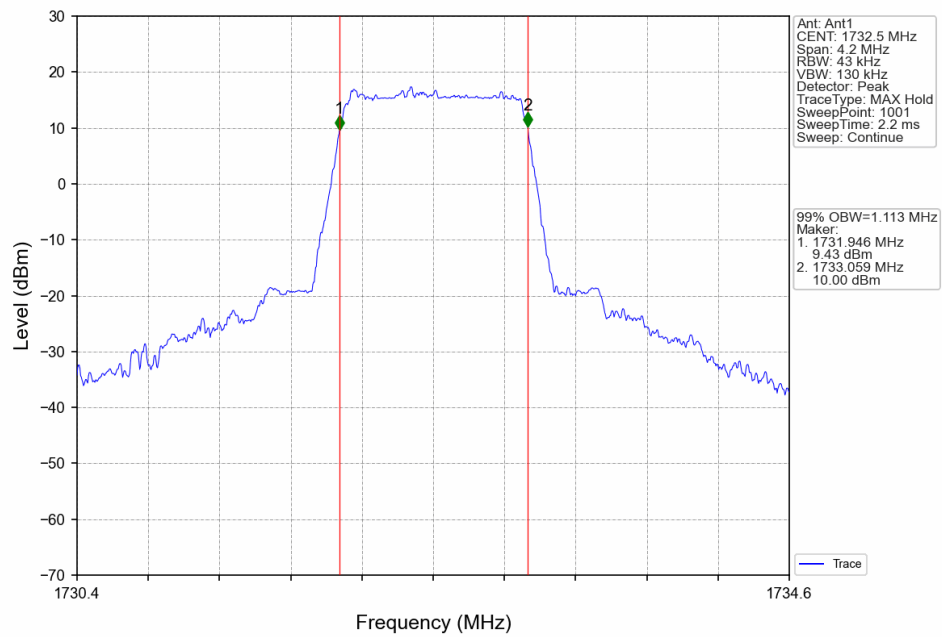
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



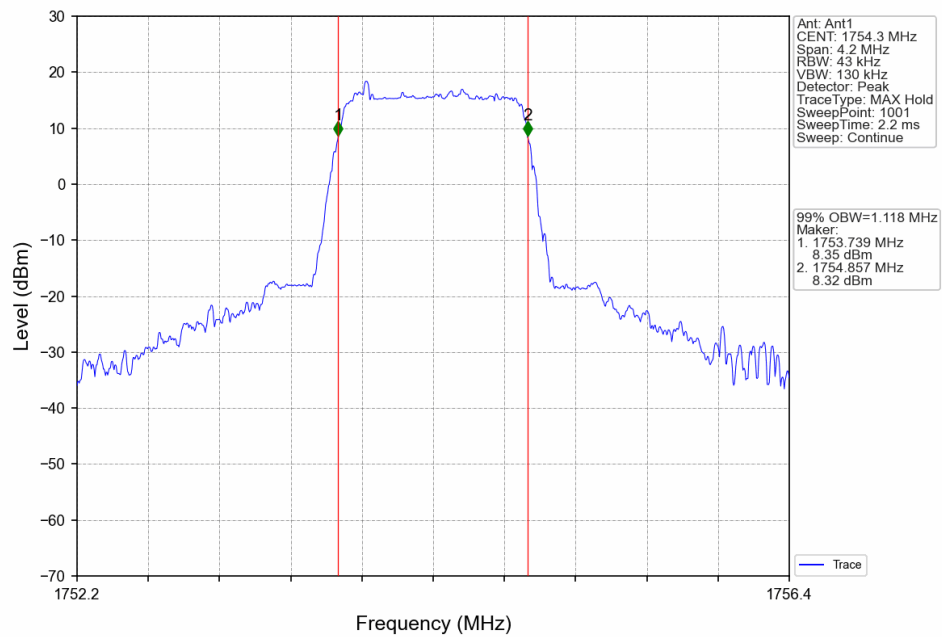
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



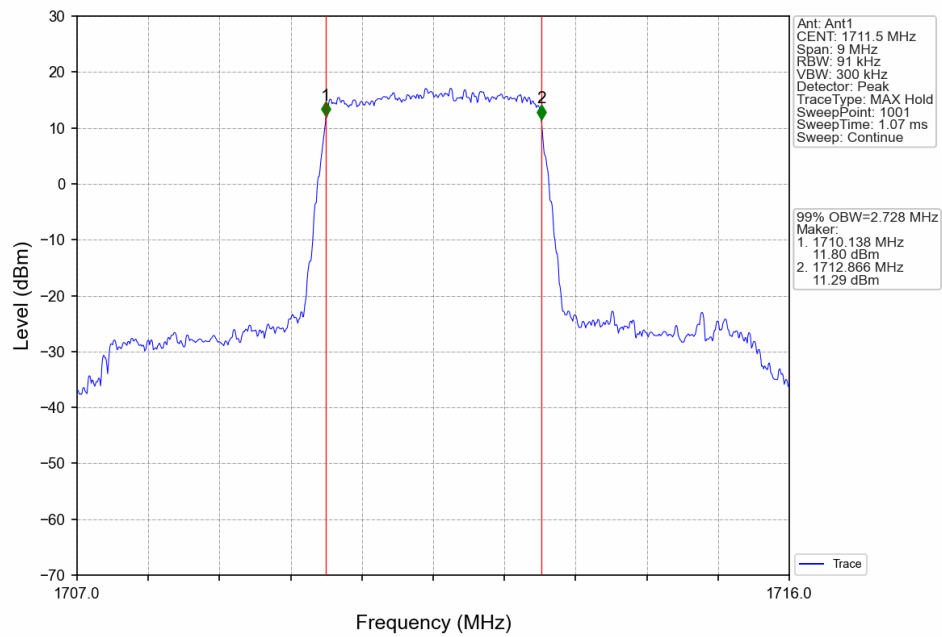
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



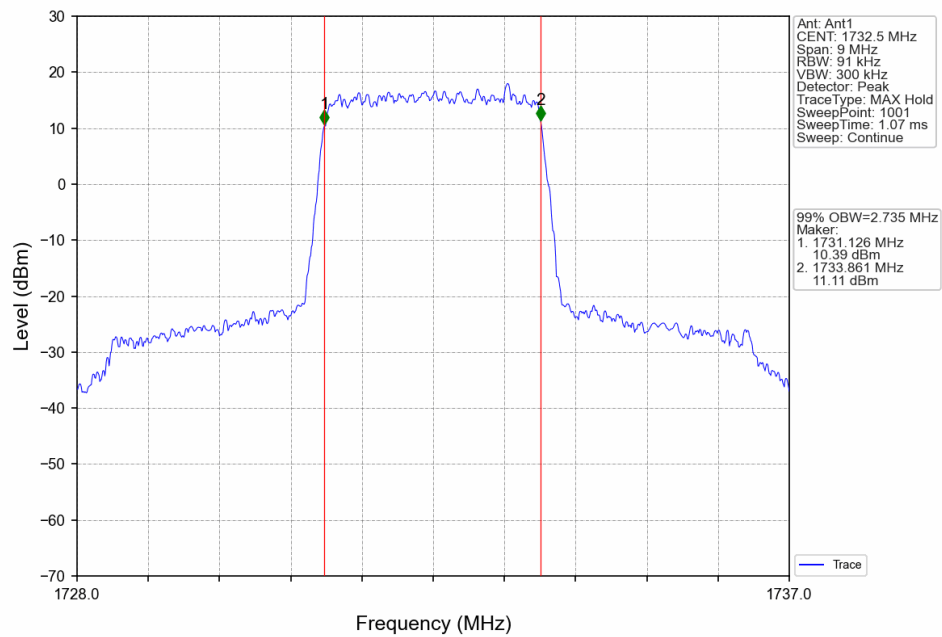
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



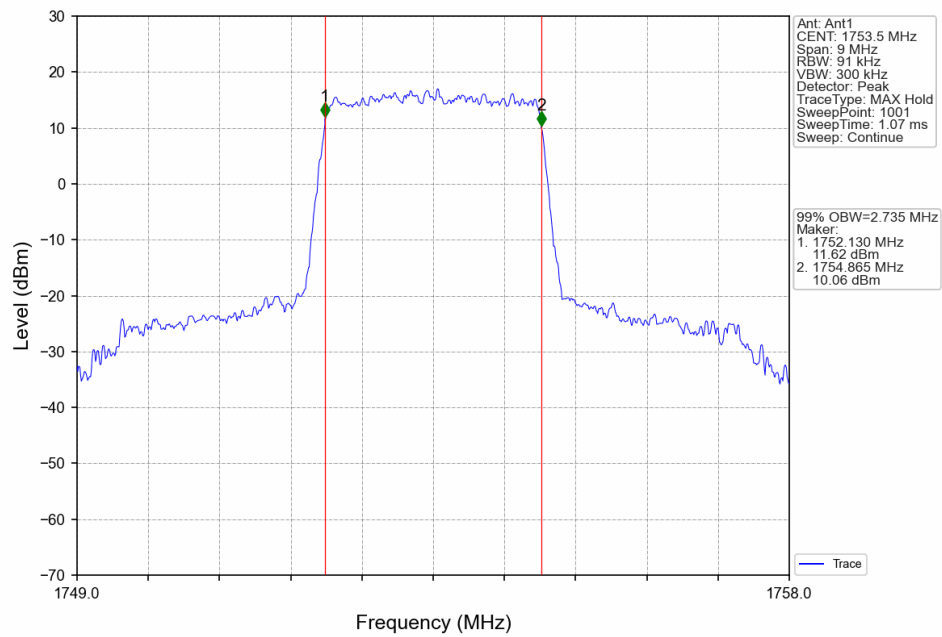
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



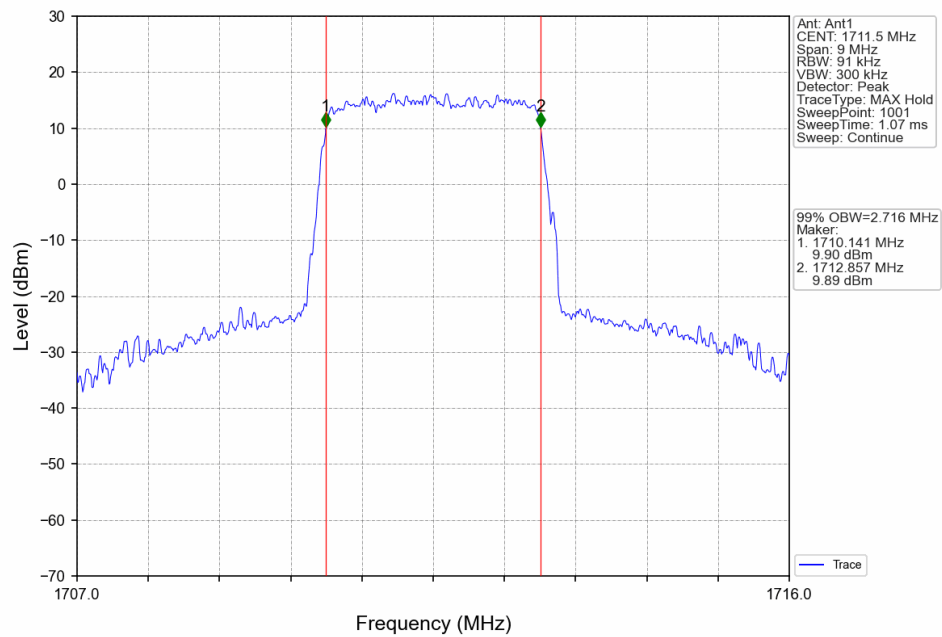
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



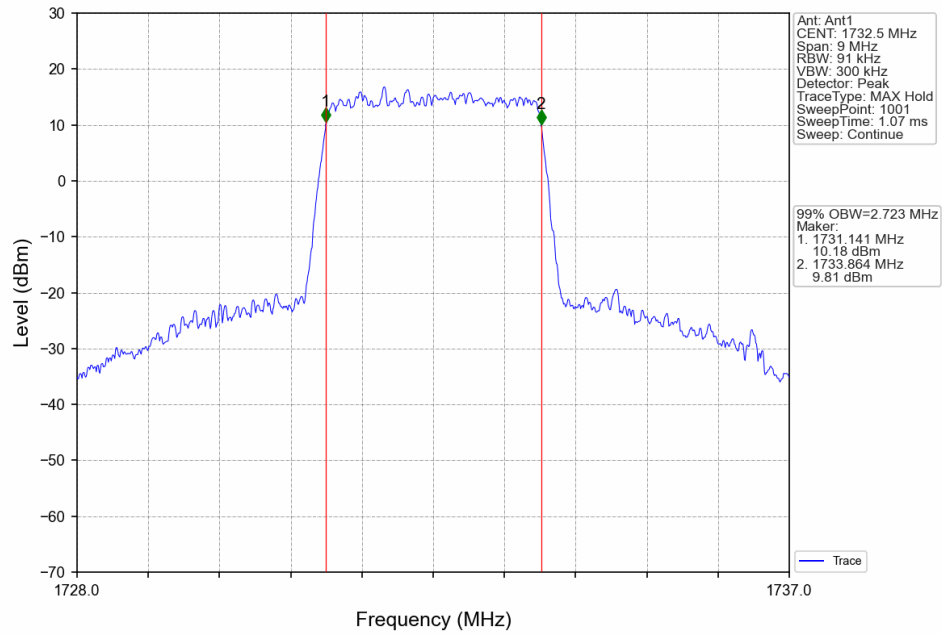
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



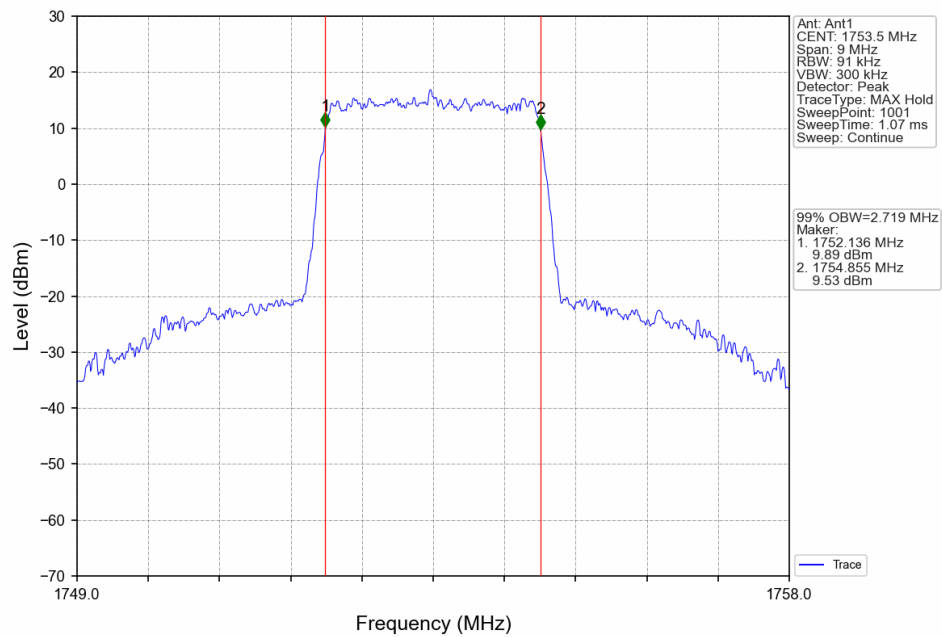
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



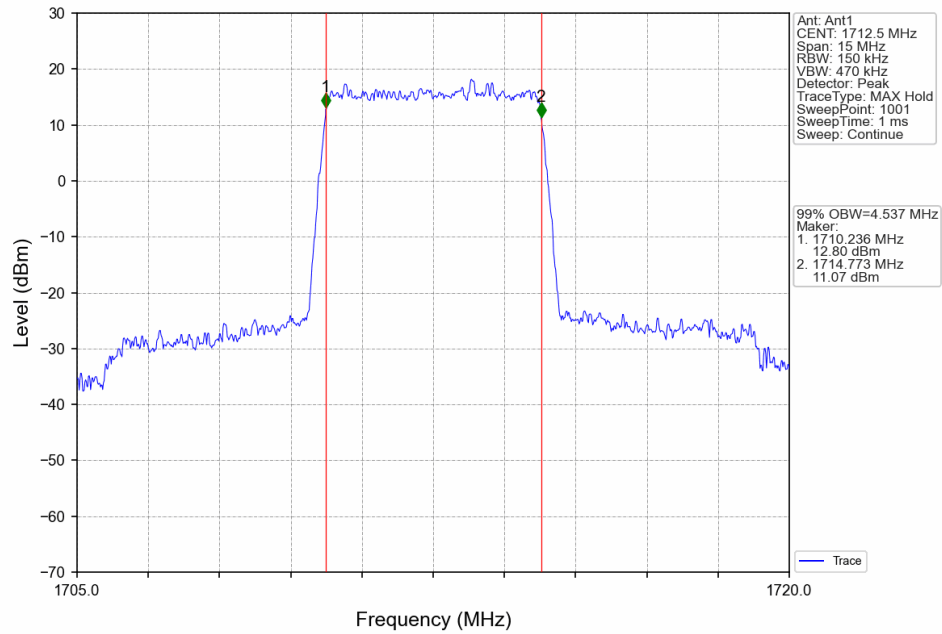
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



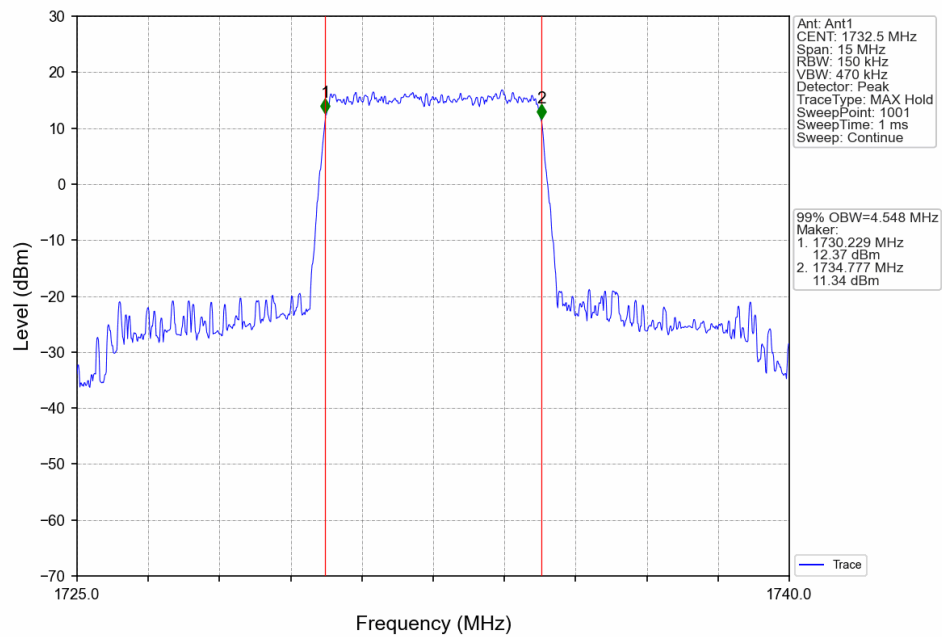
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



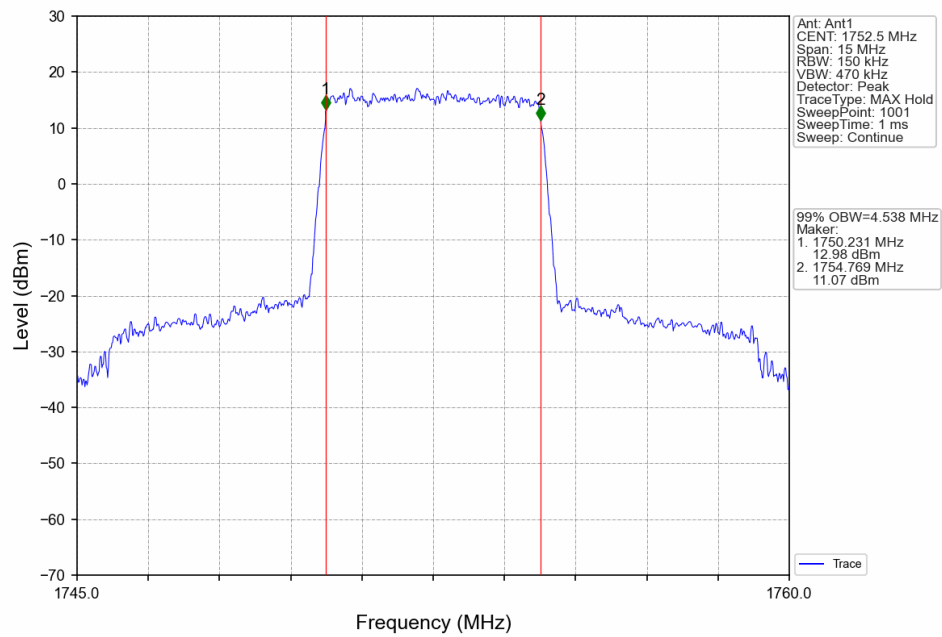
Band4 5MHz QPSK LCH 1712.5MHz RB 25_0 NTN



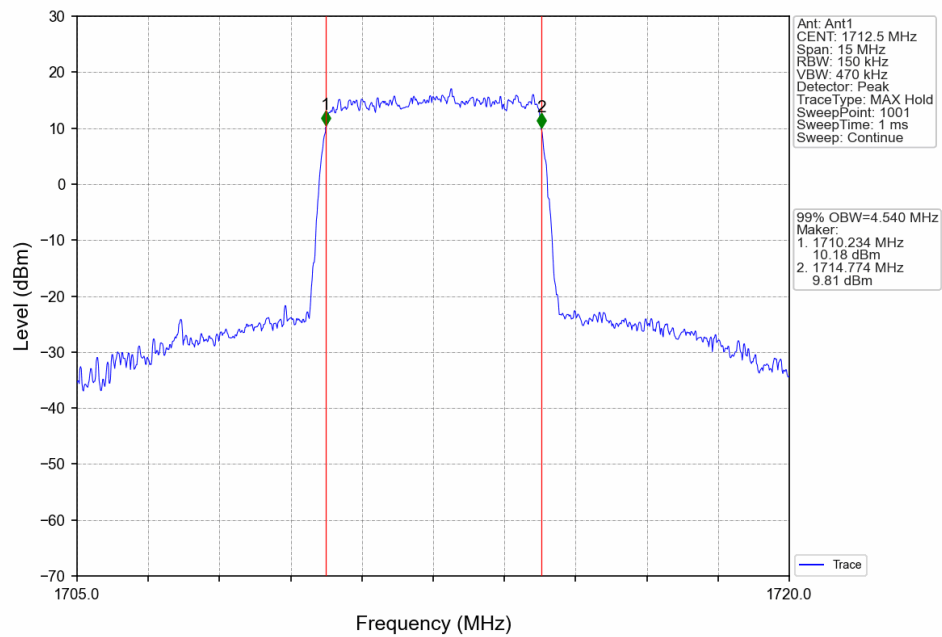
Band4 5MHz QPSK MCH 1732.5MHz RB 25_0 NTN



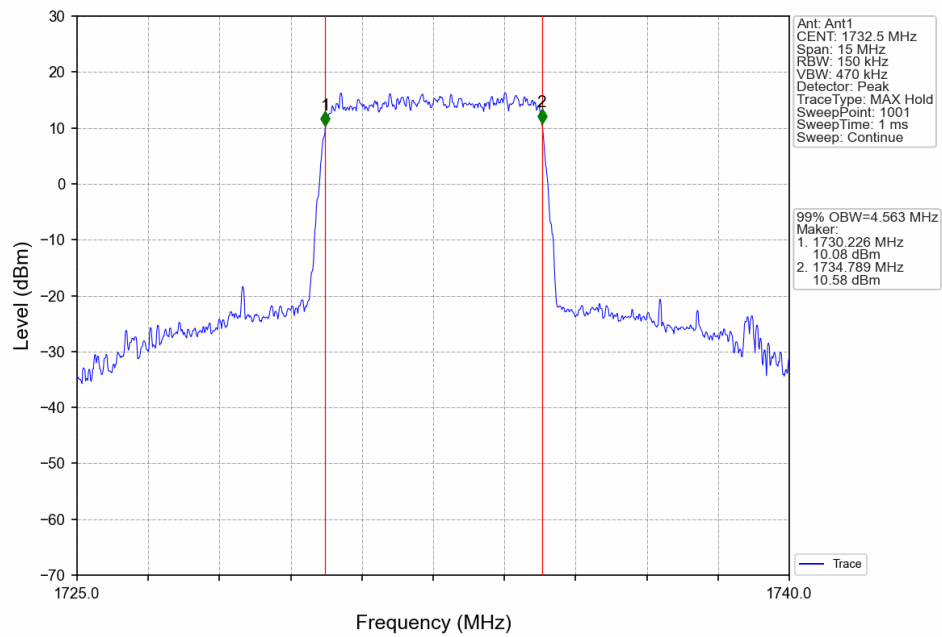
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



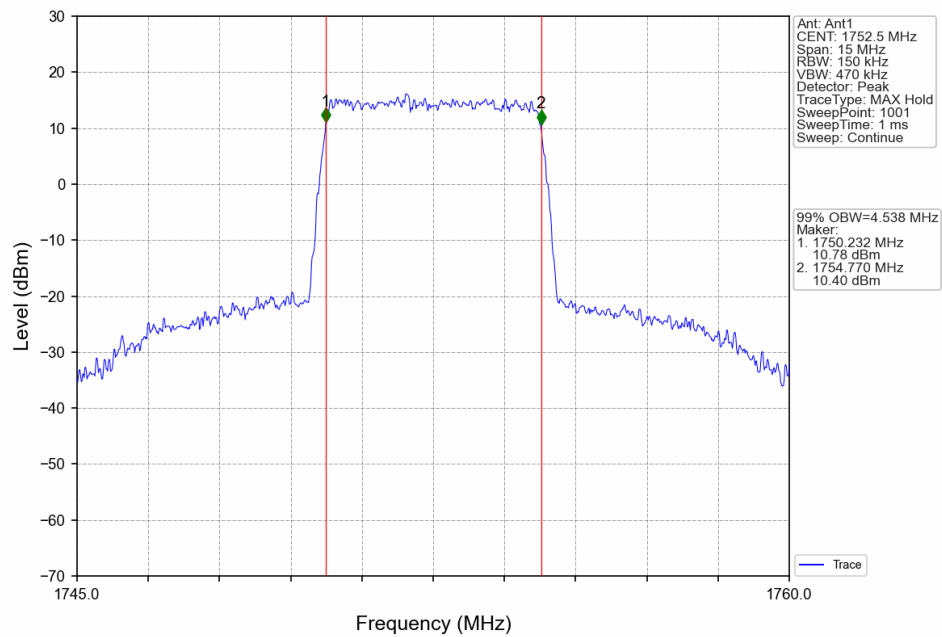
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



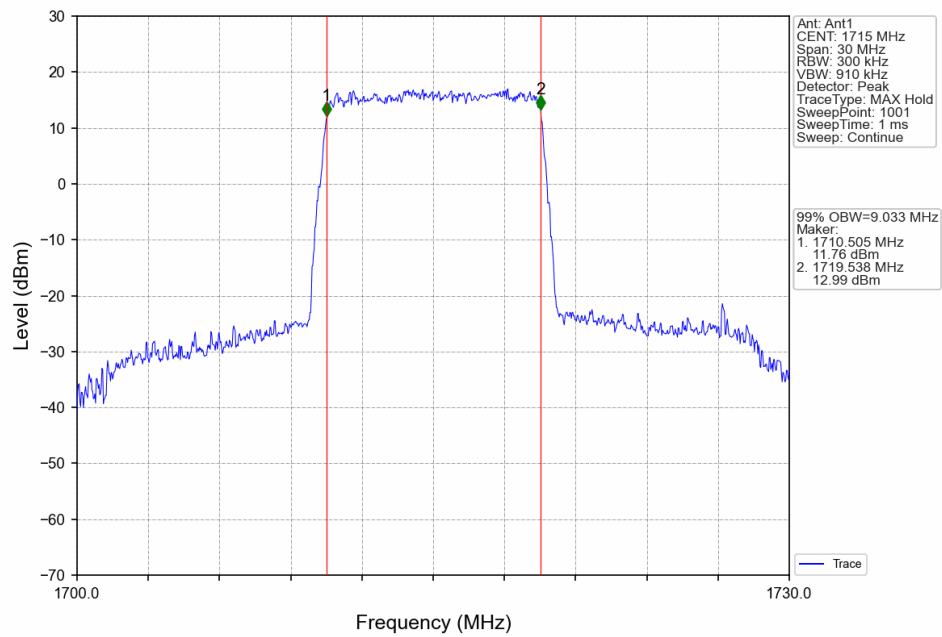
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



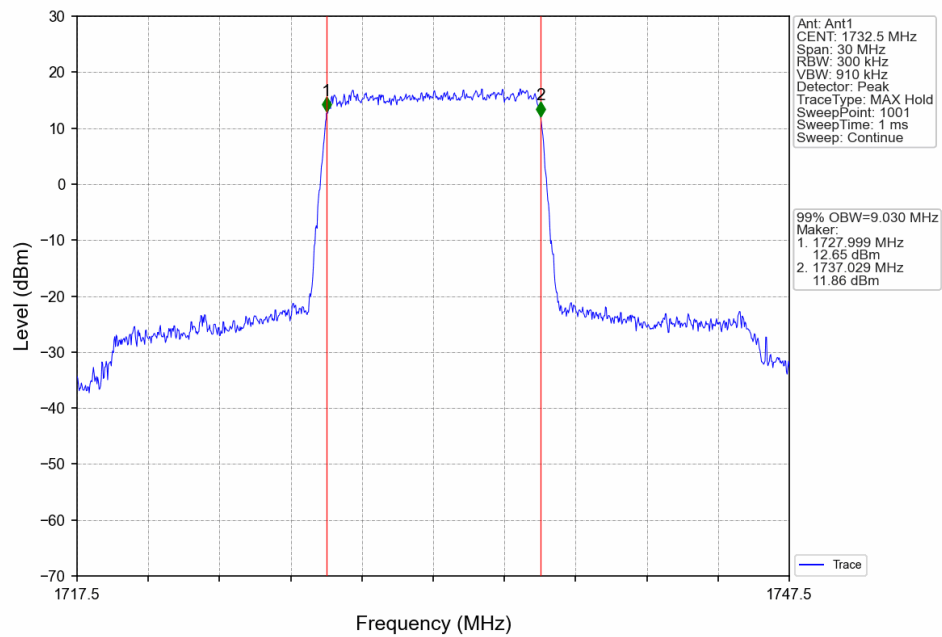
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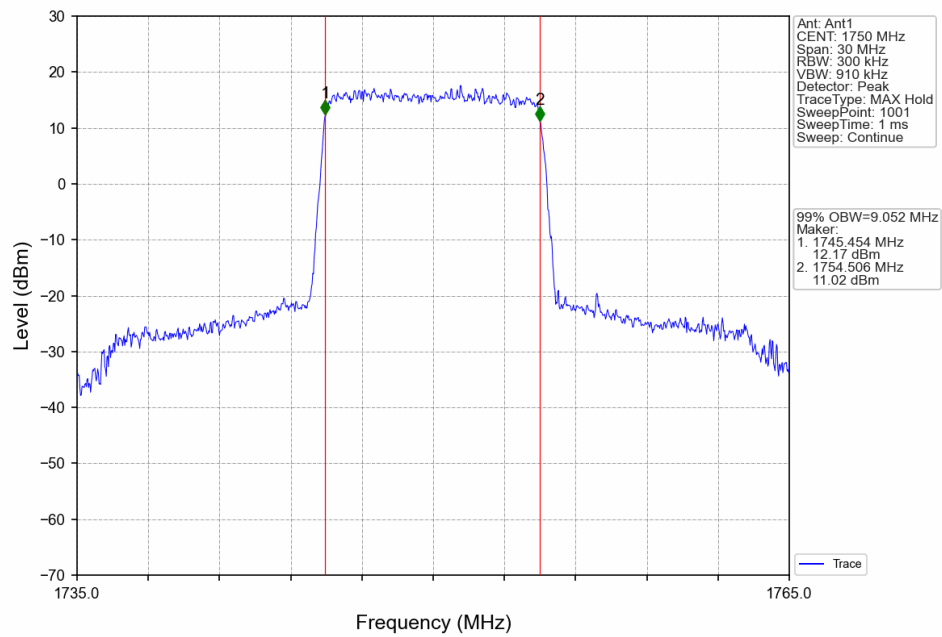
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



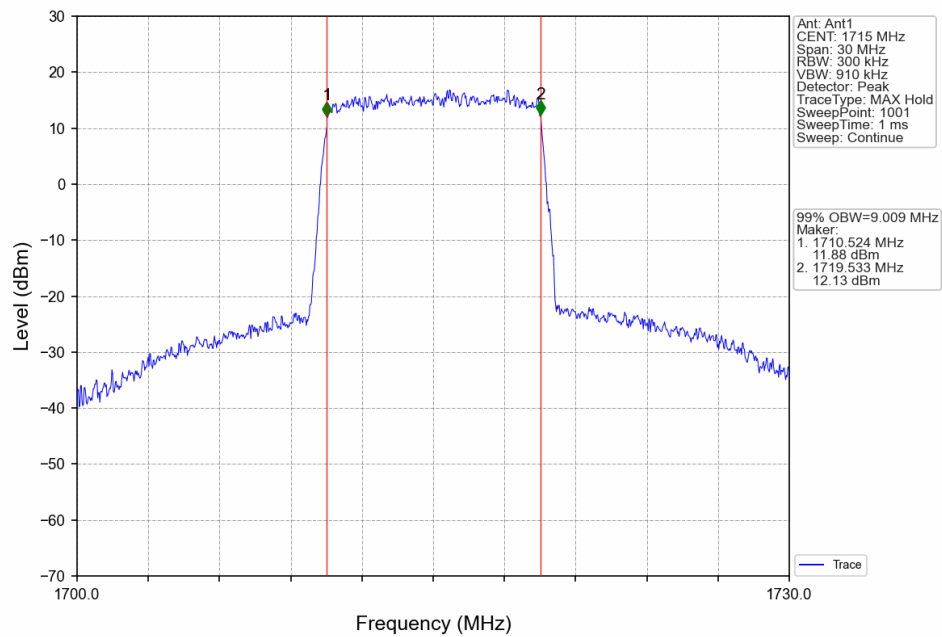
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



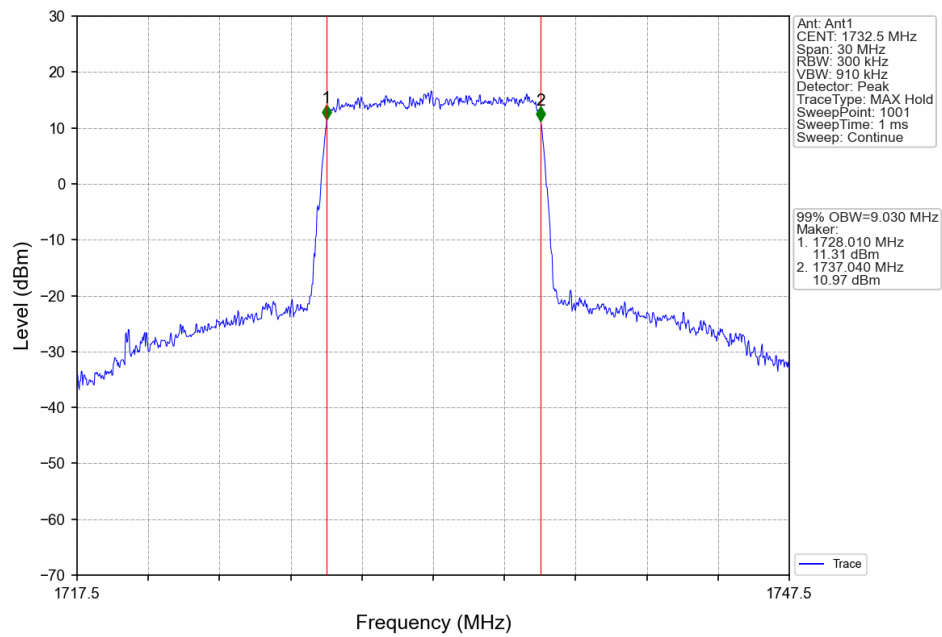
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



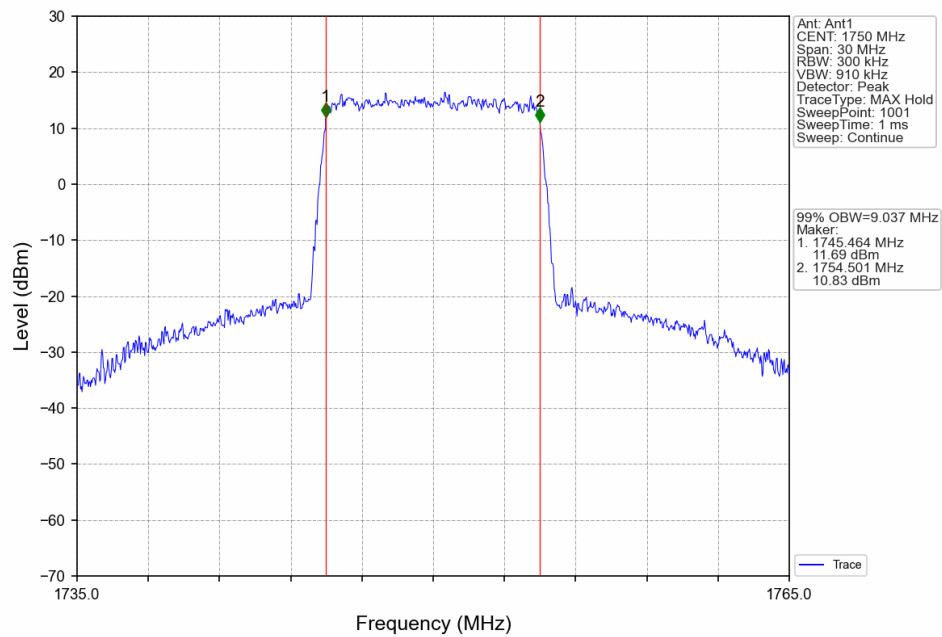
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



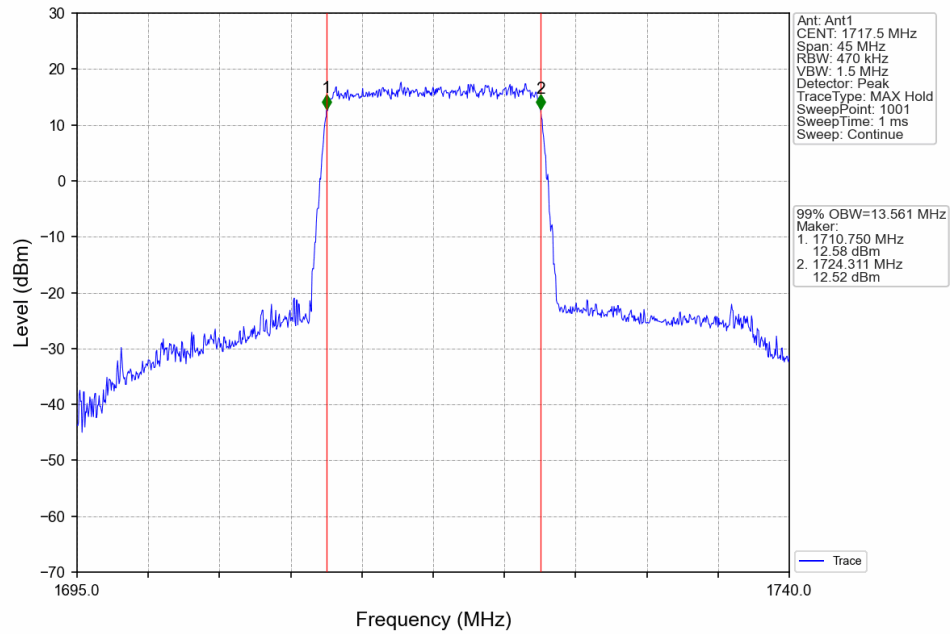
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



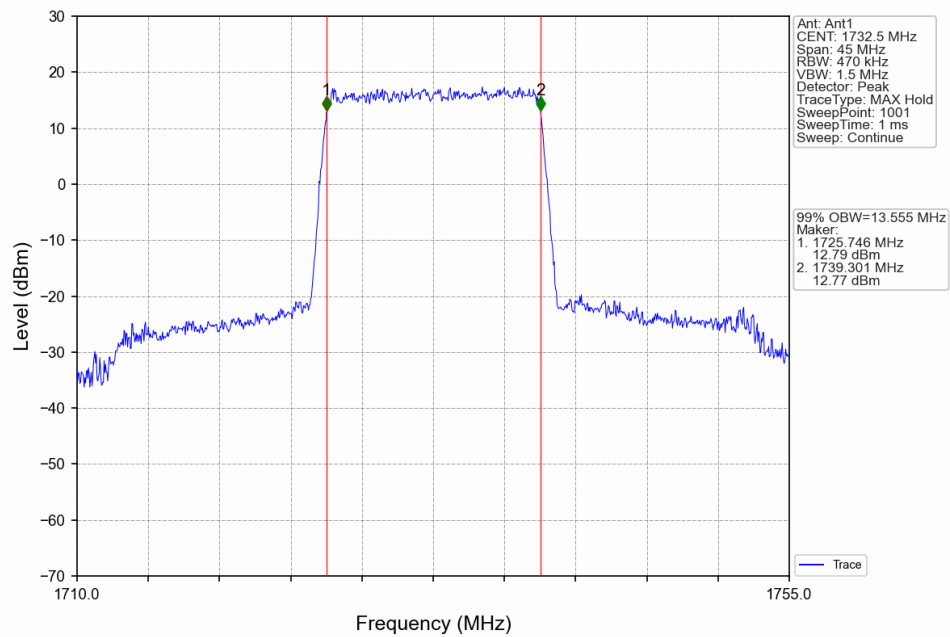
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



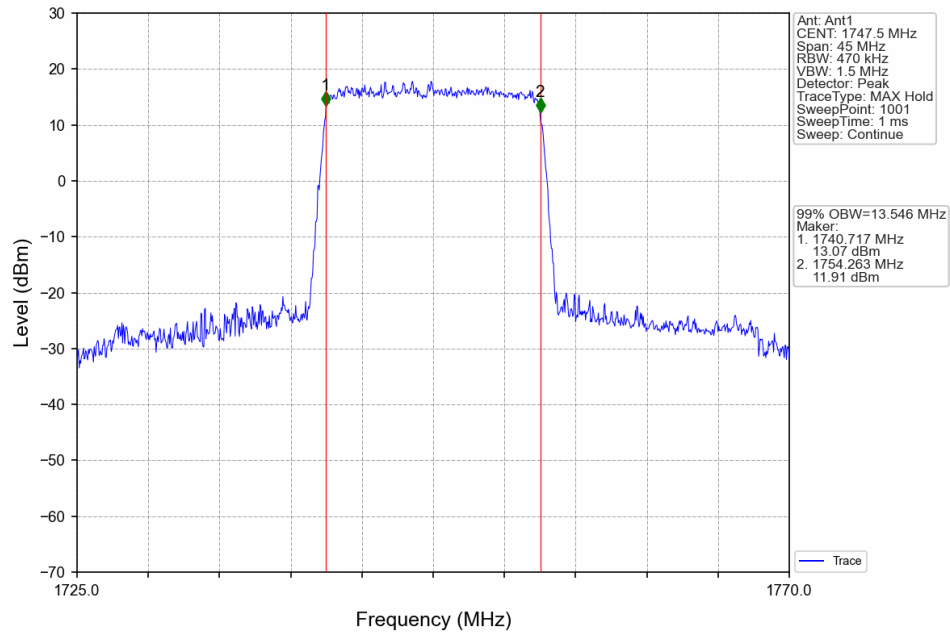
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



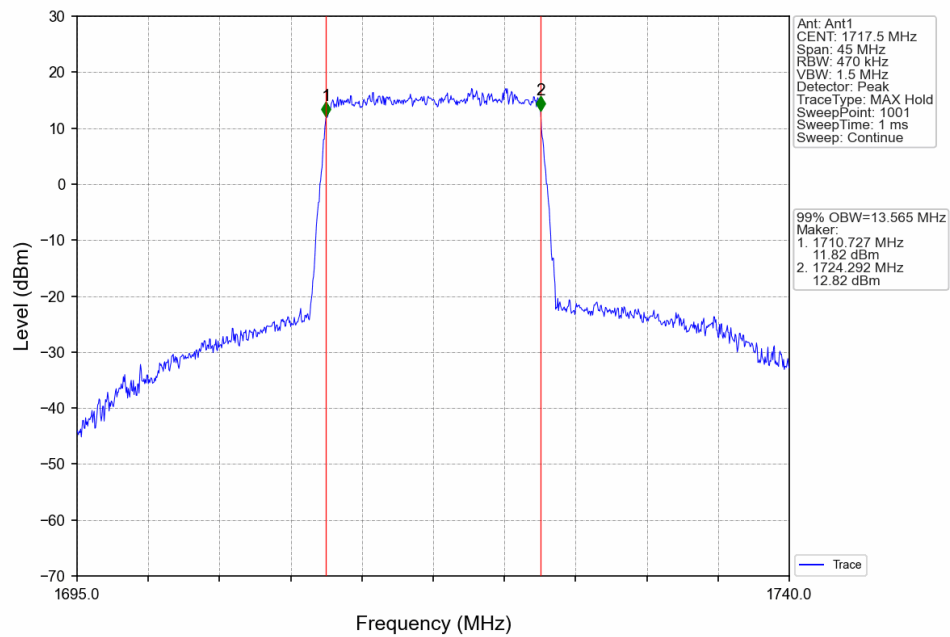
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



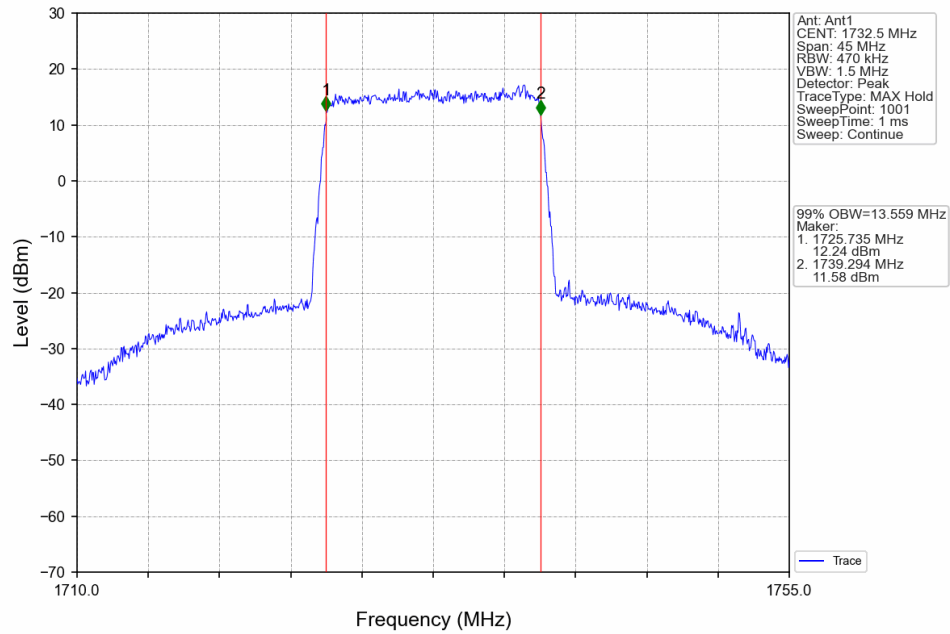
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



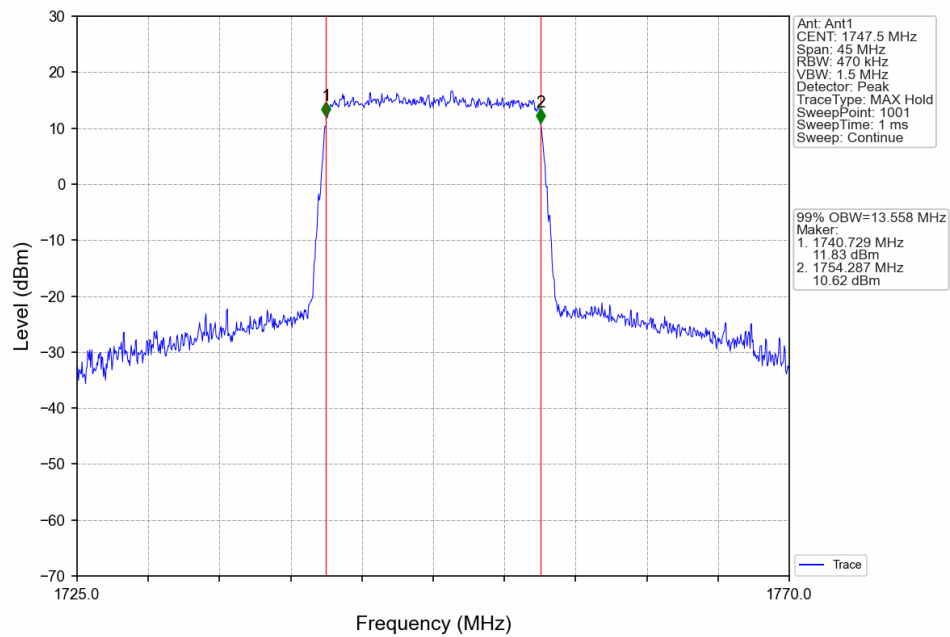
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



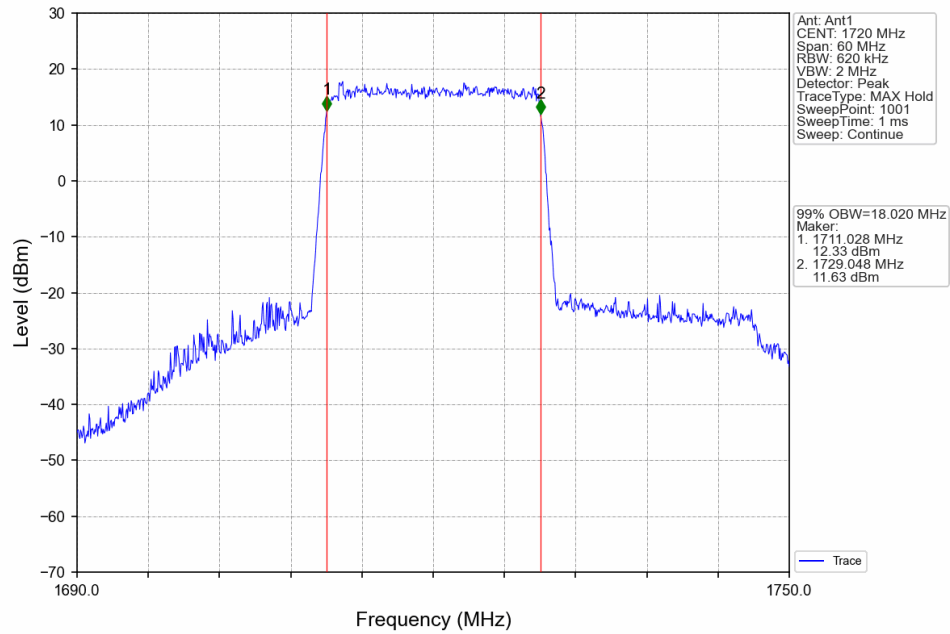
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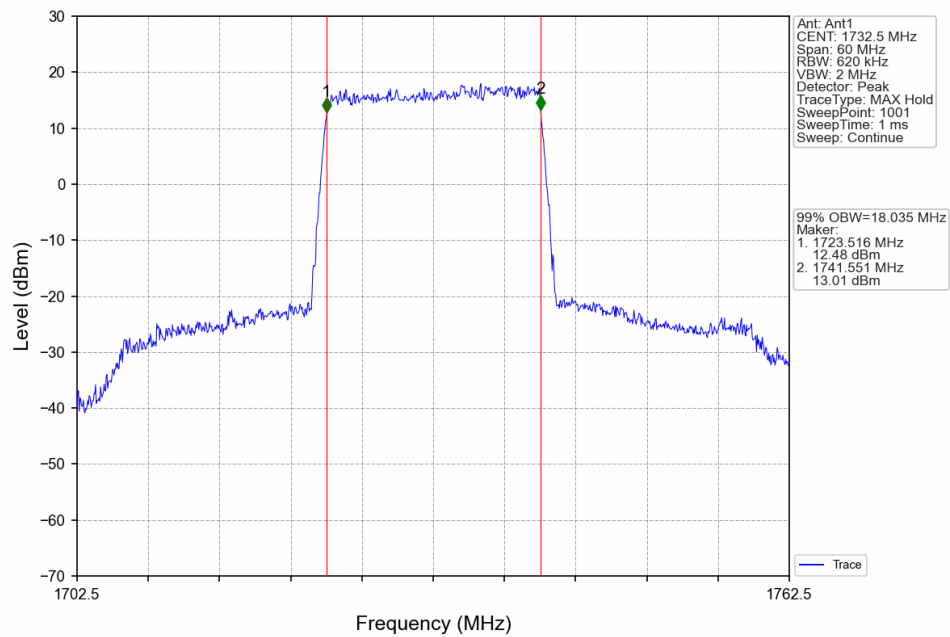
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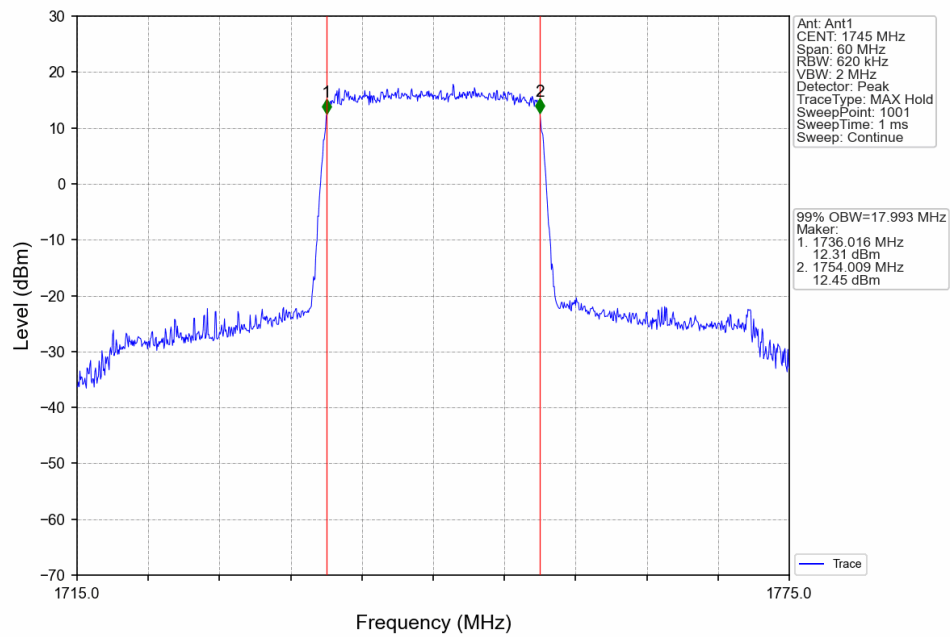
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



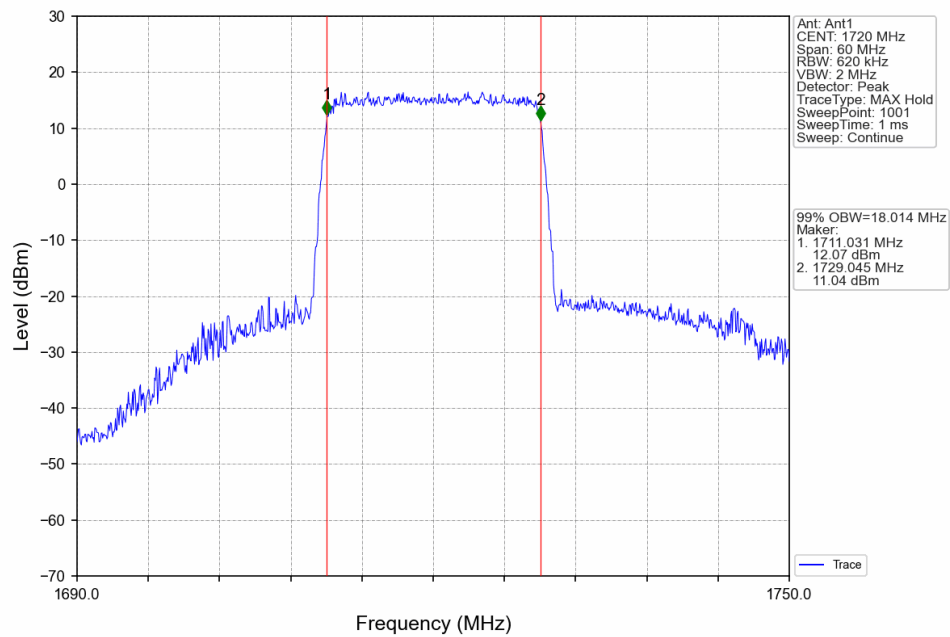
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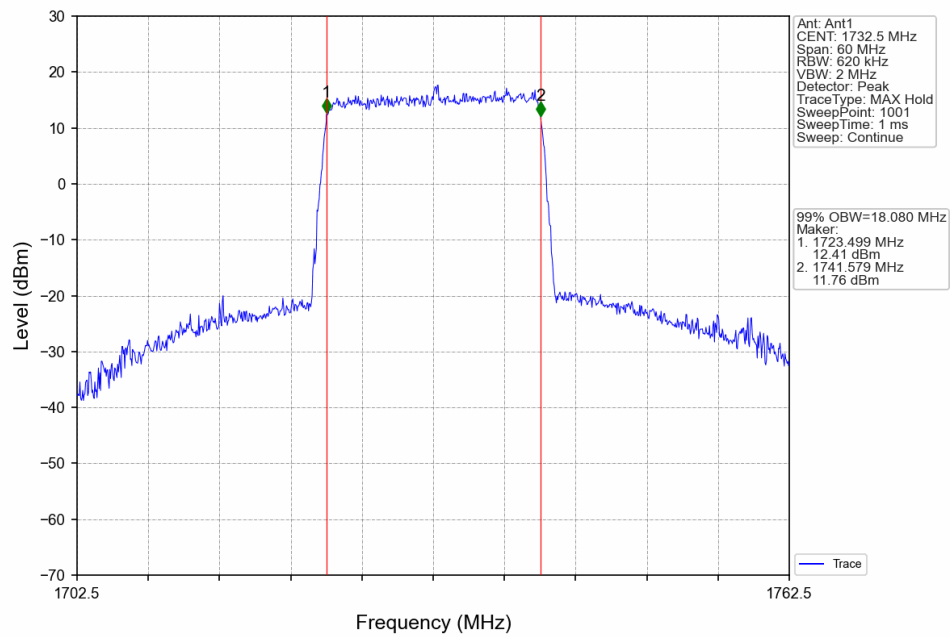
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



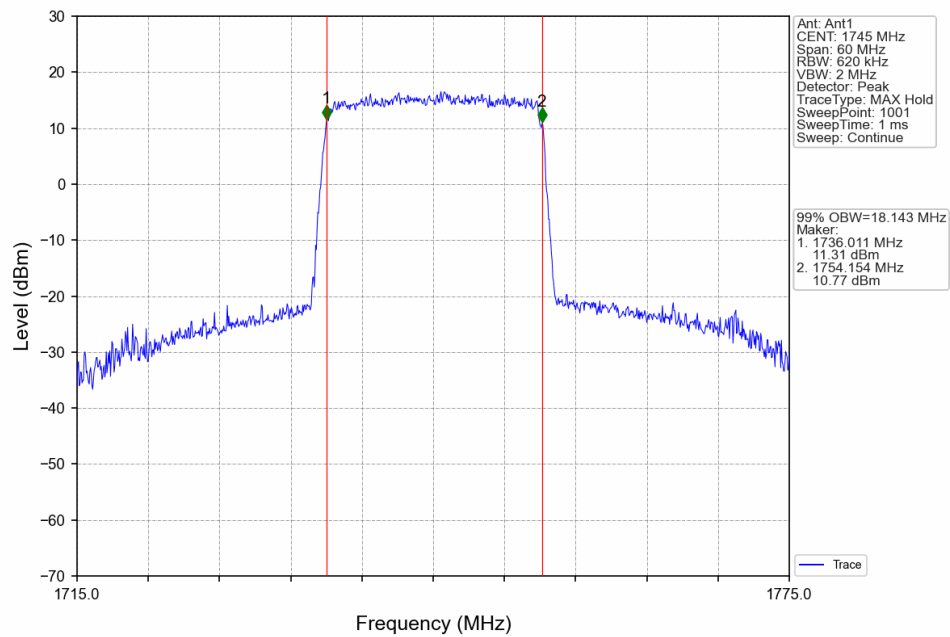
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

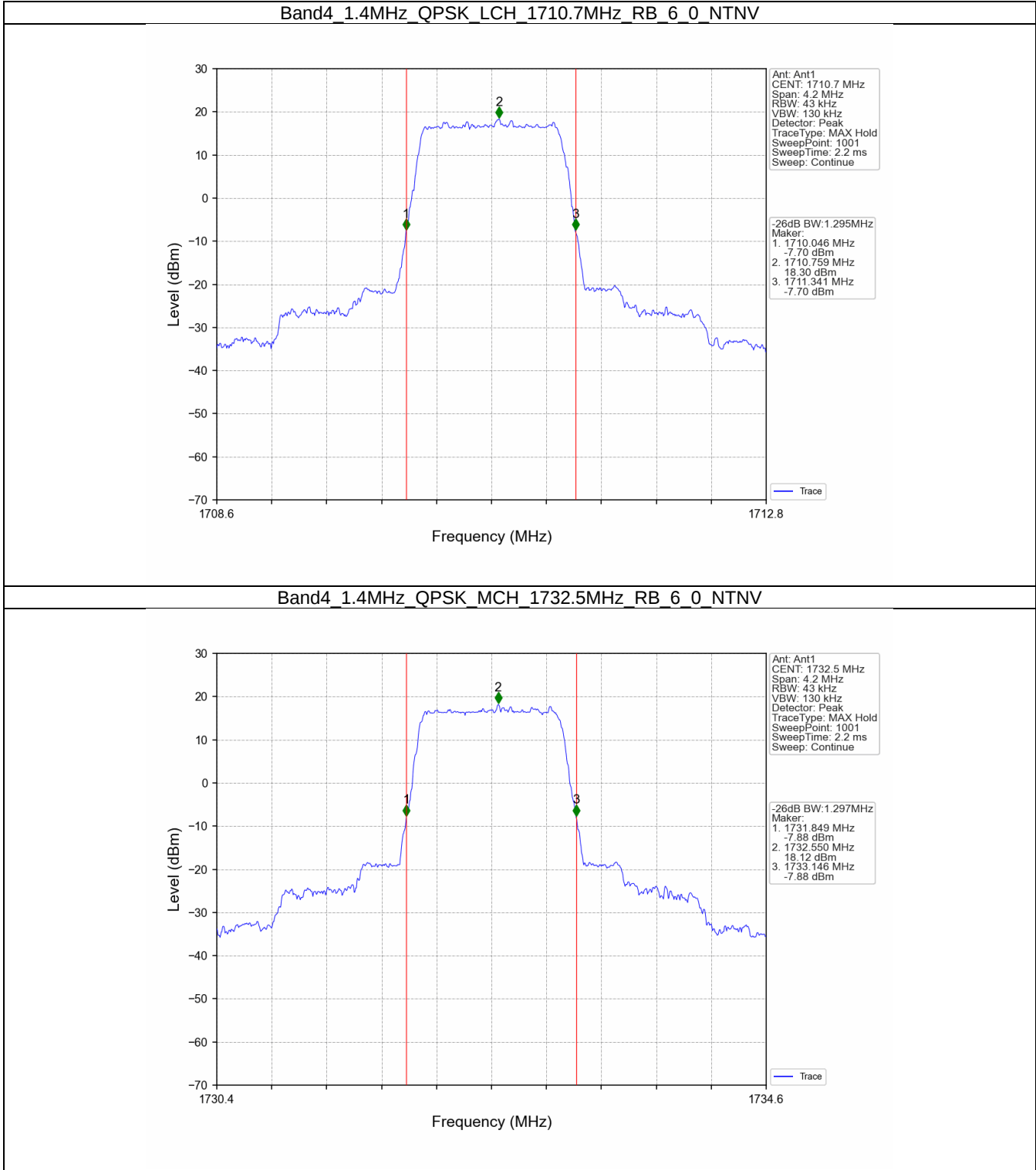


4.2 Band4_XDB

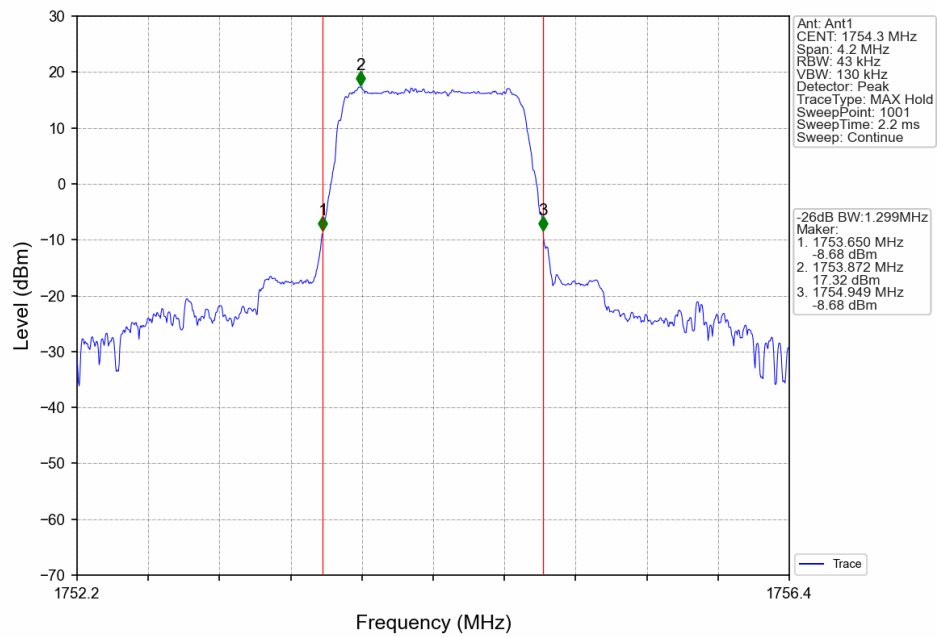
4.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.295	Pass
		1732.5	6	0	1.297	Pass
		1754.3	6	0	1.299	Pass
	16QAM	1710.7	6	0	1.305	Pass
		1732.5	6	0	1.307	Pass
		1754.3	6	0	1.285	Pass
3	QPSK	1711.5	15	0	3.045	Pass
		1732.5	15	0	3.026	Pass
		1753.5	15	0	3.046	Pass
	16QAM	1711.5	15	0	3.068	Pass
		1732.5	15	0	3.043	Pass
		1753.5	15	0	3.026	Pass
5	QPSK	1712.5	25	0	4.987	Pass
		1732.5	25	0	4.991	Pass
		1752.5	25	0	4.992	Pass
	16QAM	1712.5	25	0	4.972	Pass
		1732.5	25	0	5.026	Pass
		1752.5	25	0	4.989	Pass
10	QPSK	1715	50	0	9.941	Pass
		1732.5	50	0	9.896	Pass
		1750	50	0	9.854	Pass
	16QAM	1715	50	0	9.886	Pass
		1732.5	50	0	9.871	Pass
		1750	50	0	9.914	Pass
15	QPSK	1717.5	75	0	14.927	Pass
		1732.5	75	0	14.801	Pass
		1747.5	75	0	14.820	Pass
	16QAM	1717.5	75	0	14.830	Pass
		1732.5	75	0	14.919	Pass
		1747.5	75	0	14.822	Pass
20	QPSK	1720	100	0	19.540	Pass
		1732.5	100	0	19.719	Pass
		1745	100	0	19.546	Pass
	16QAM	1720	100	0	19.668	Pass
		1732.5	100	0	19.739	Pass
		1745	100	0	19.682	Pass

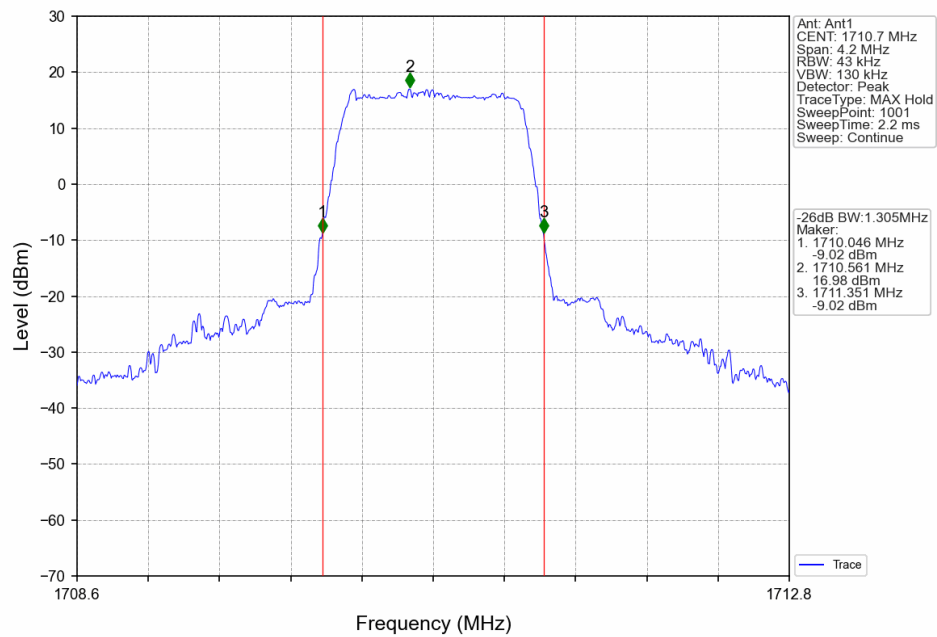
4.2.2 Test Graph



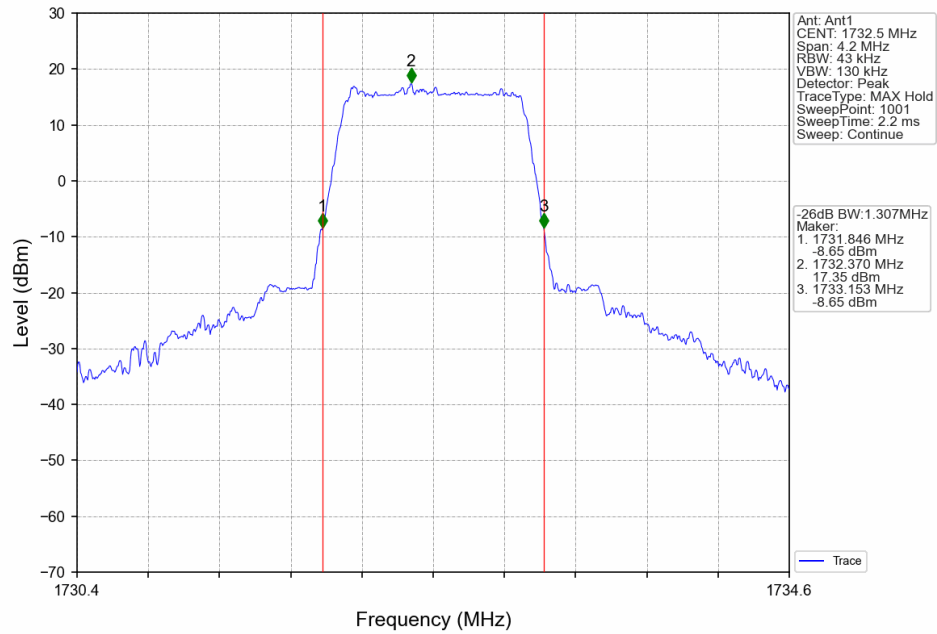
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



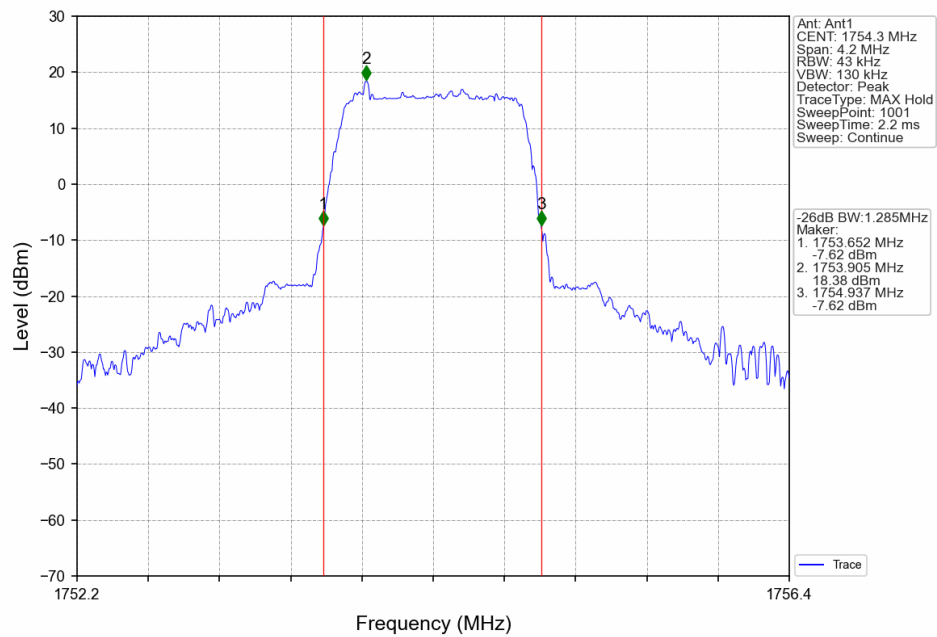
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



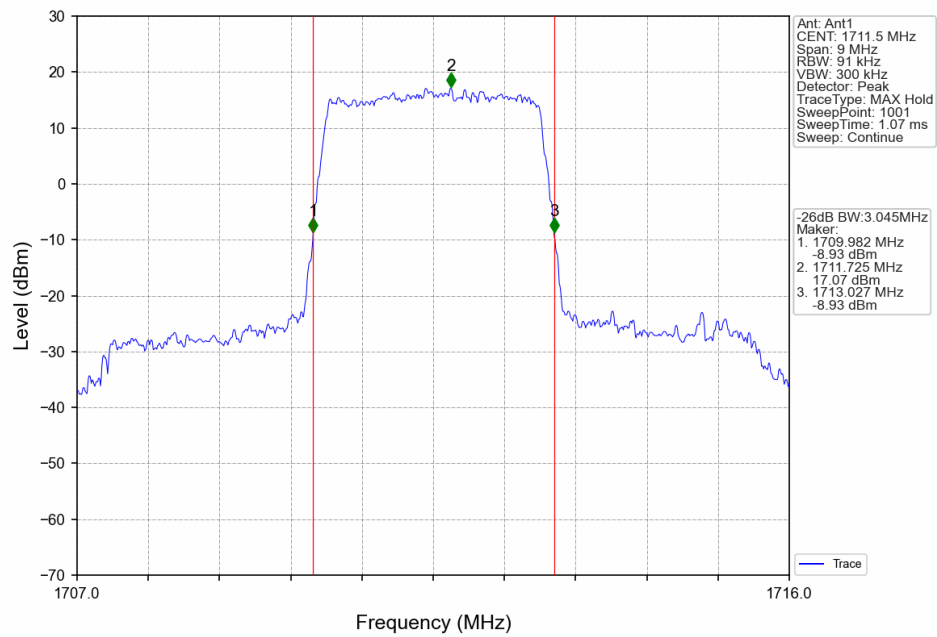
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



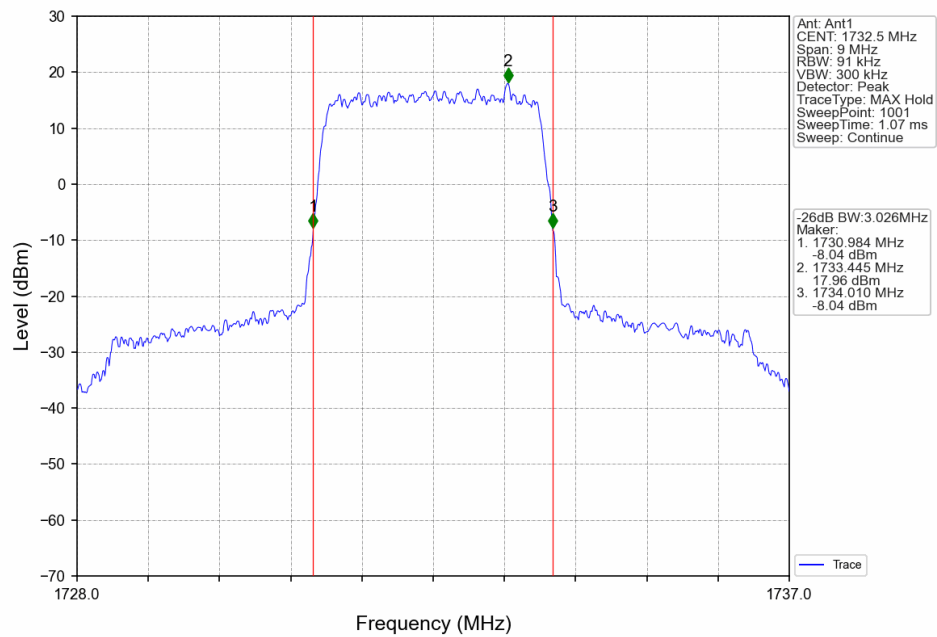
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



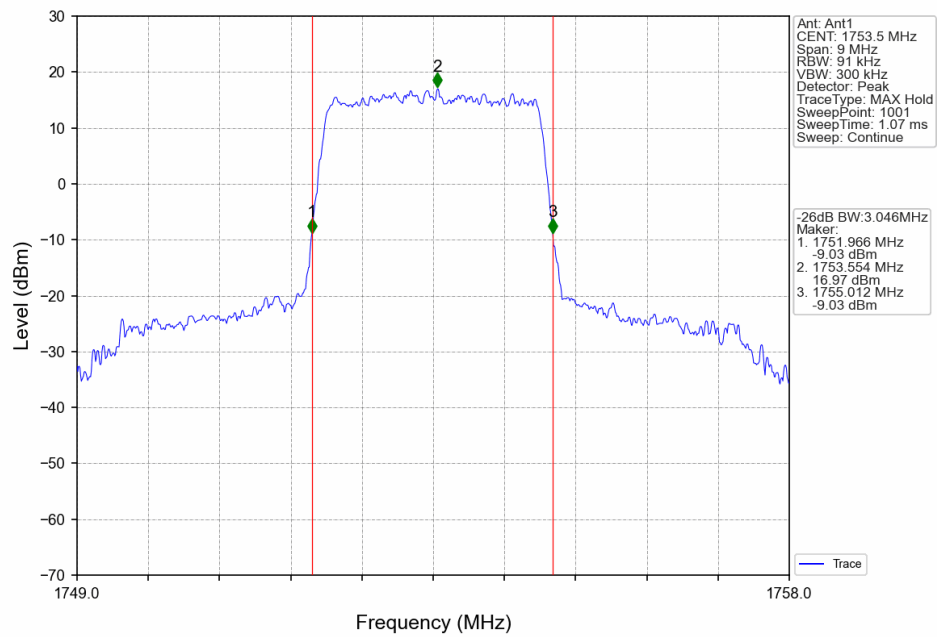
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



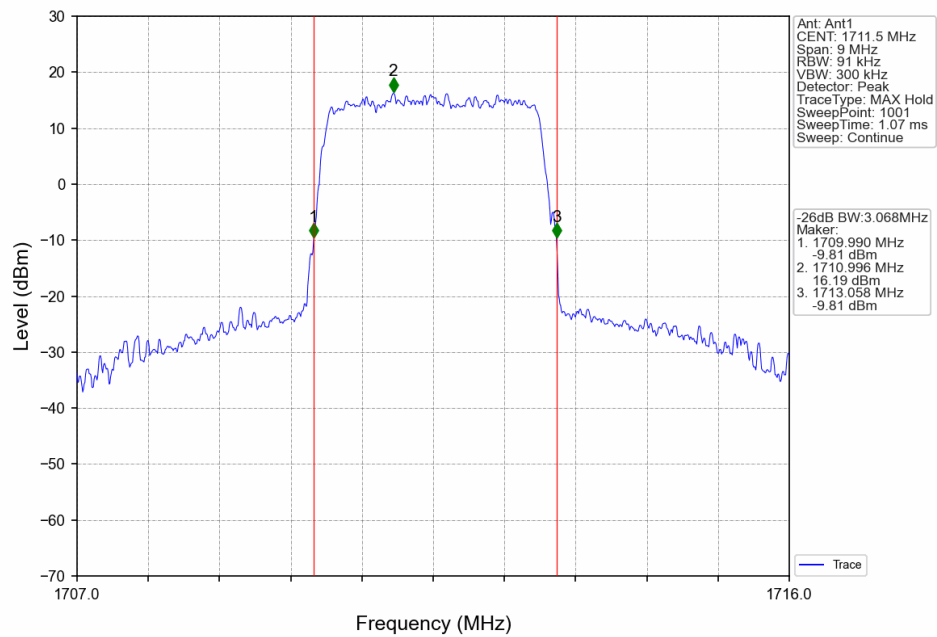
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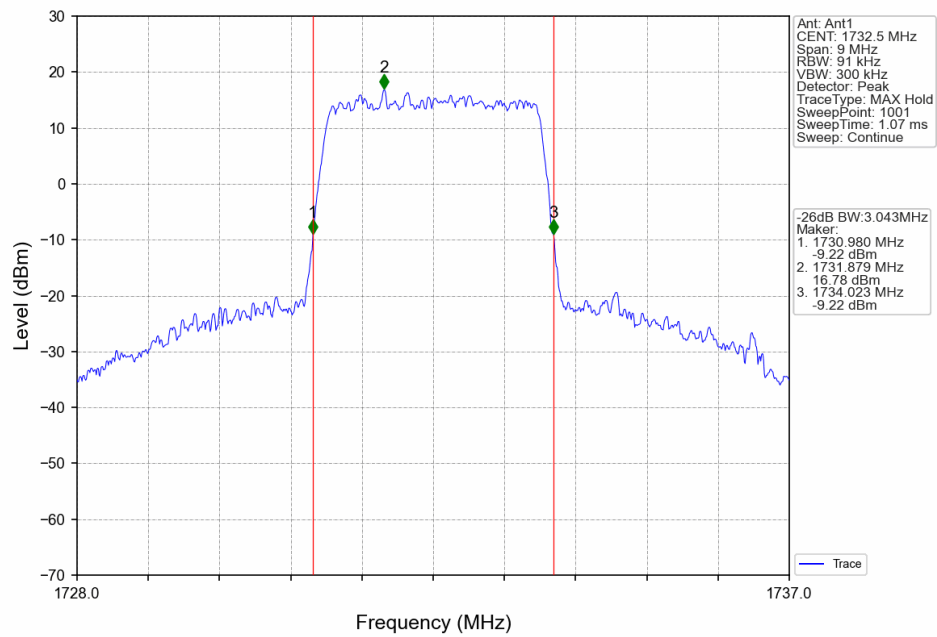
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



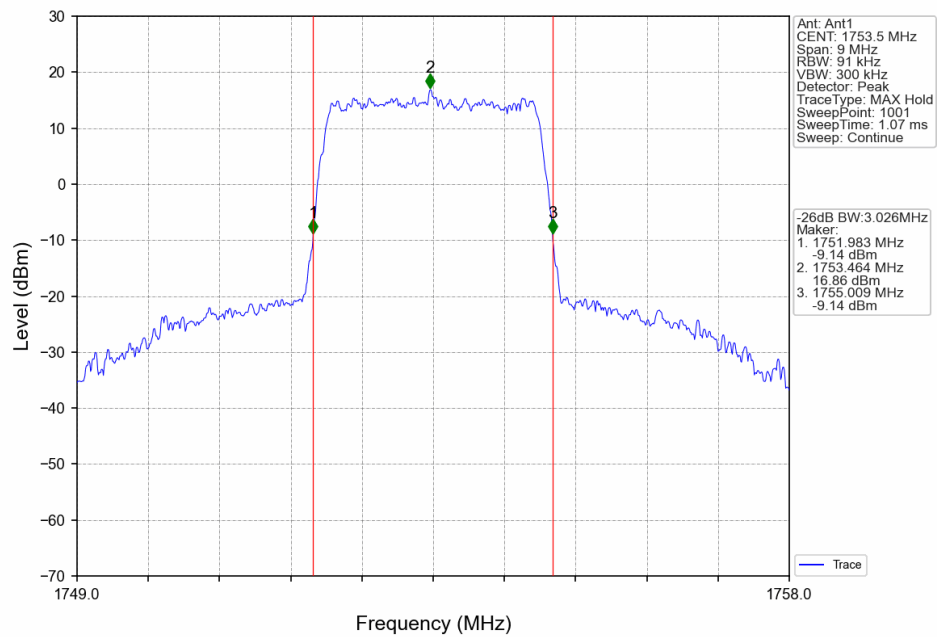
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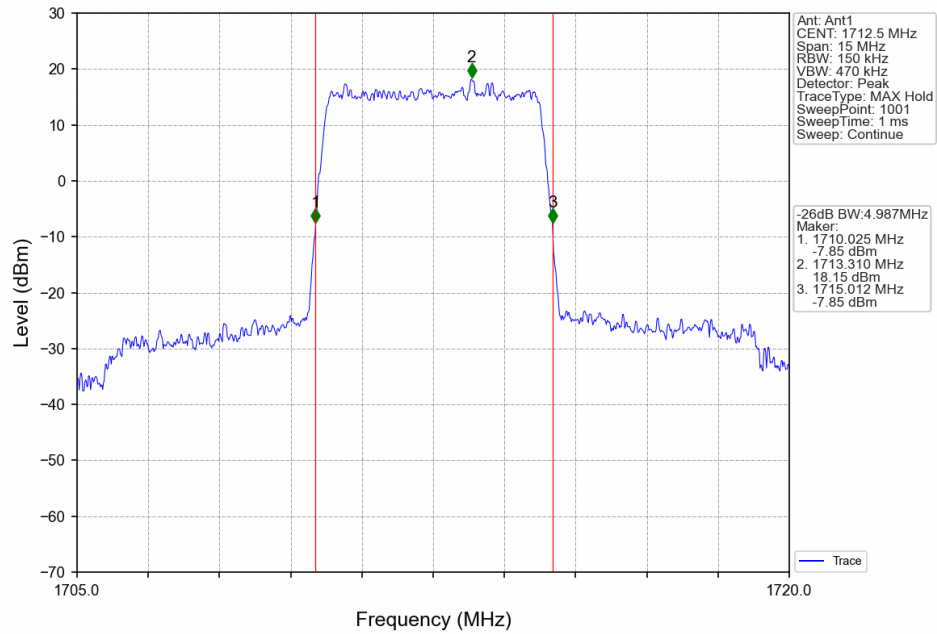
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



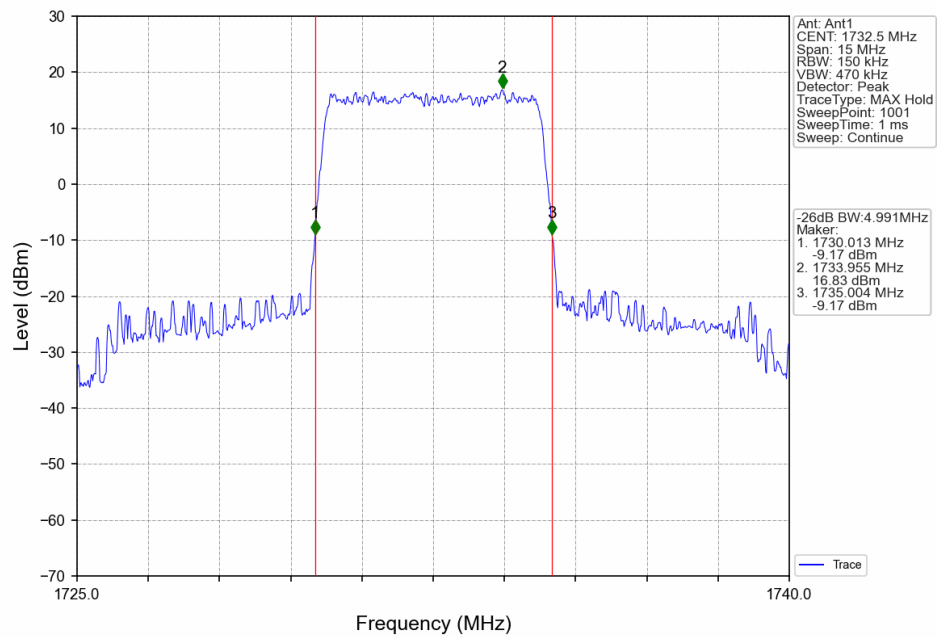
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



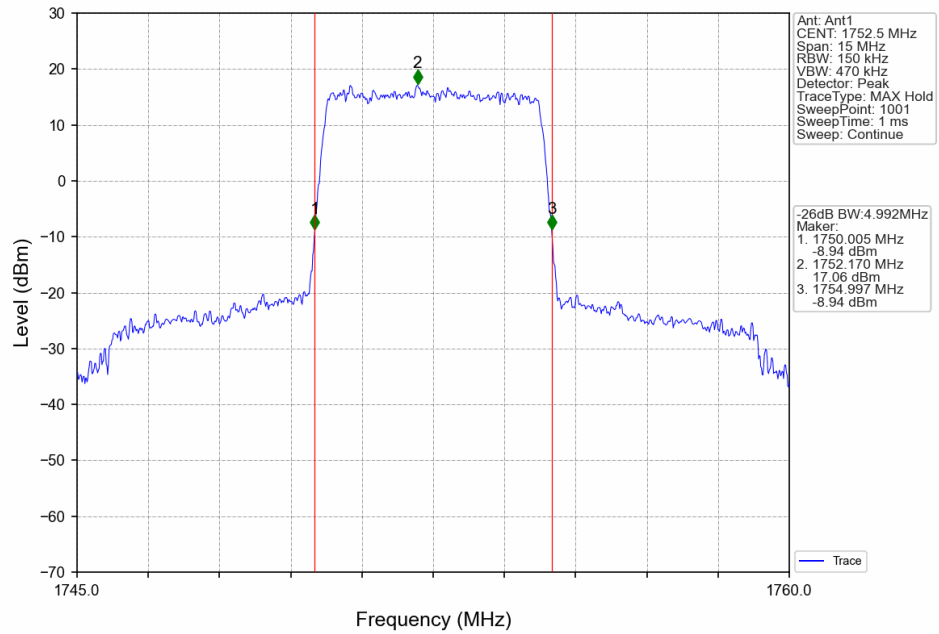
Band4 5MHz QPSK LCH 1712.5MHz RB 25_0 NTN



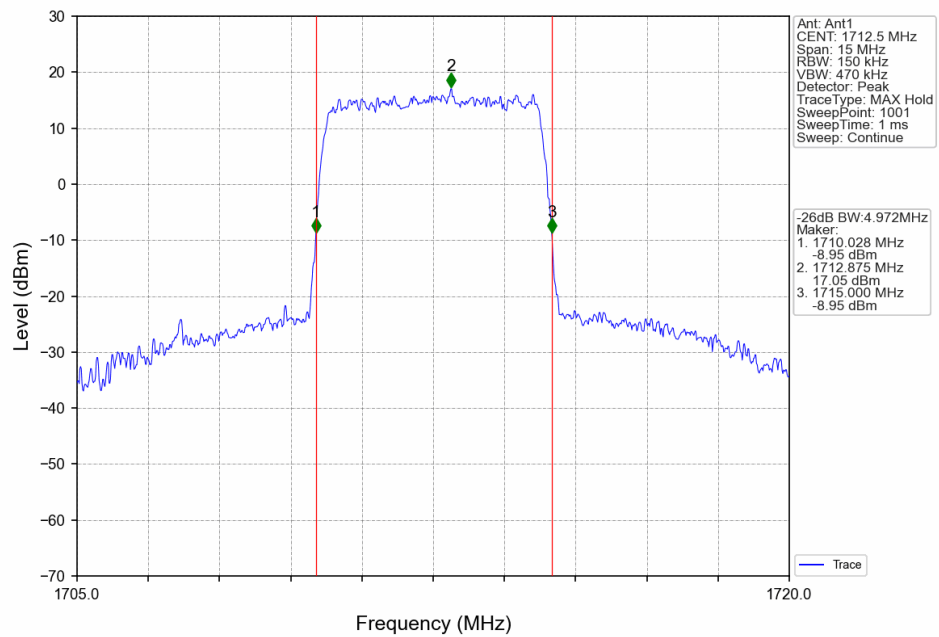
Band4 5MHz QPSK MCH 1732.5MHz RB 25_0 NTN



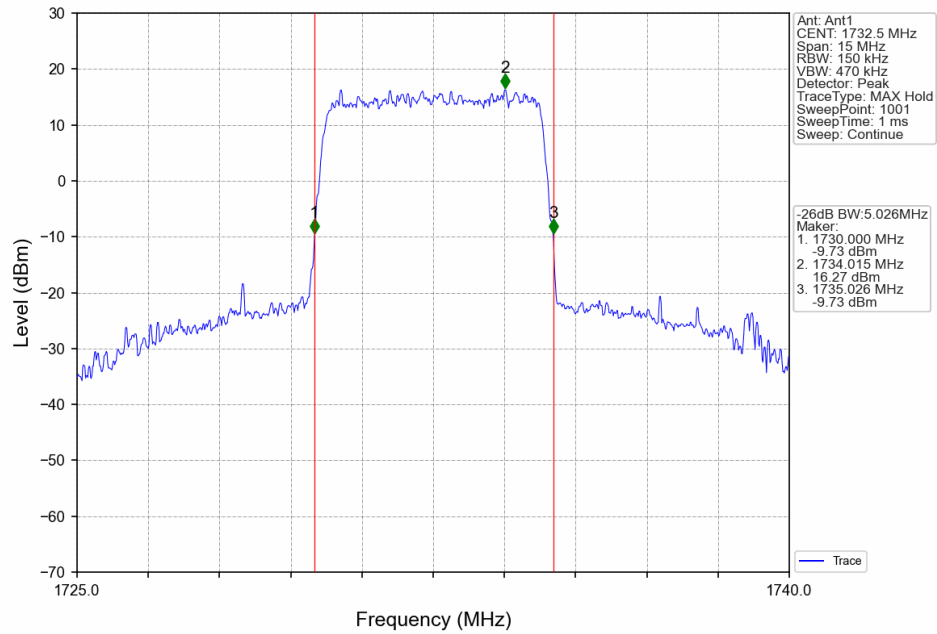
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



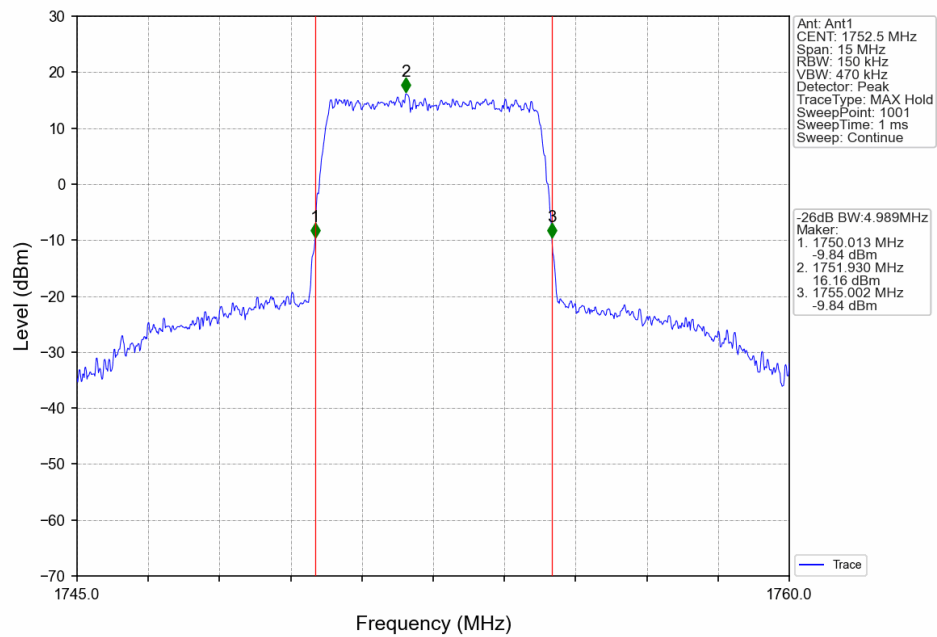
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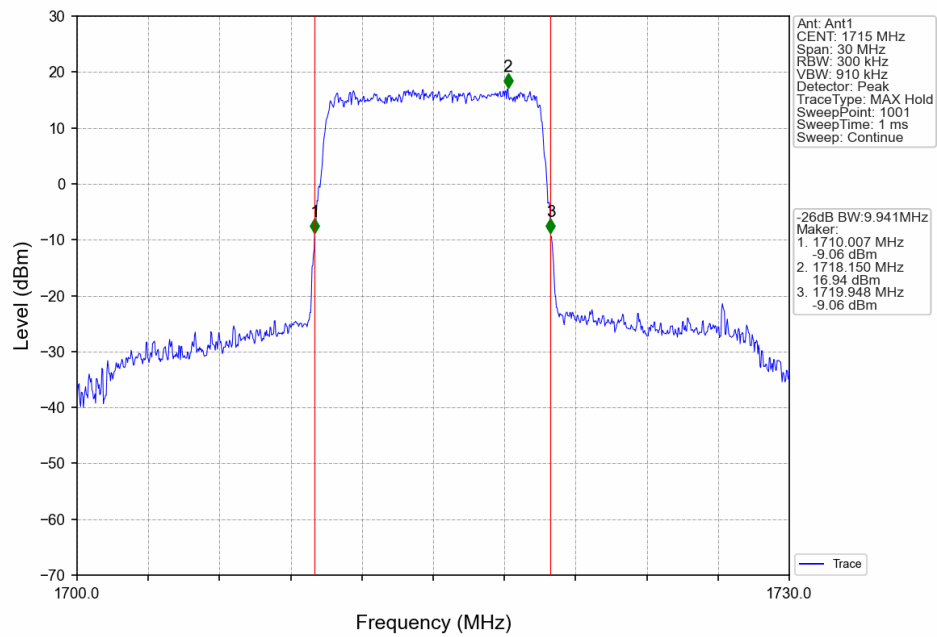
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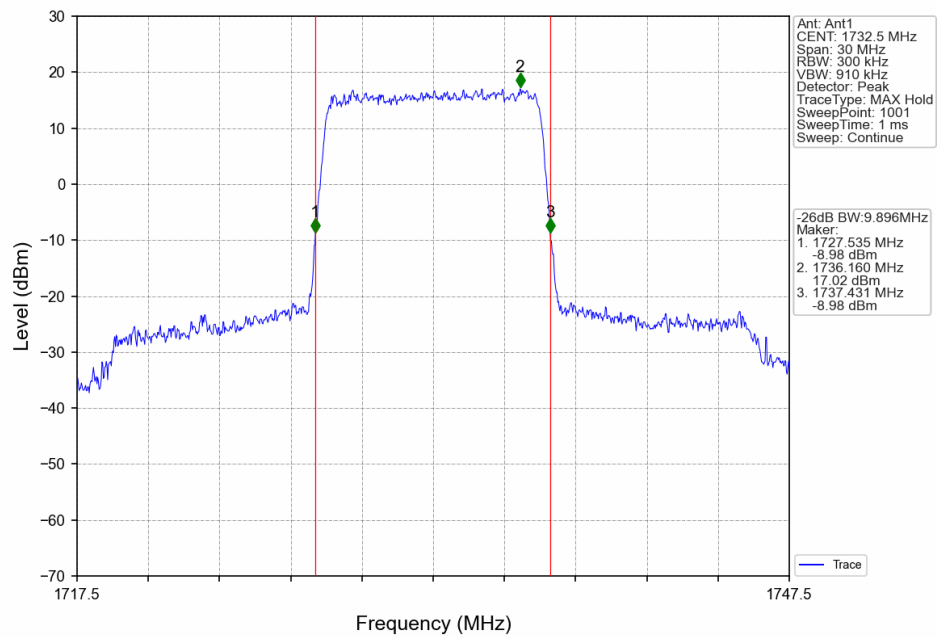
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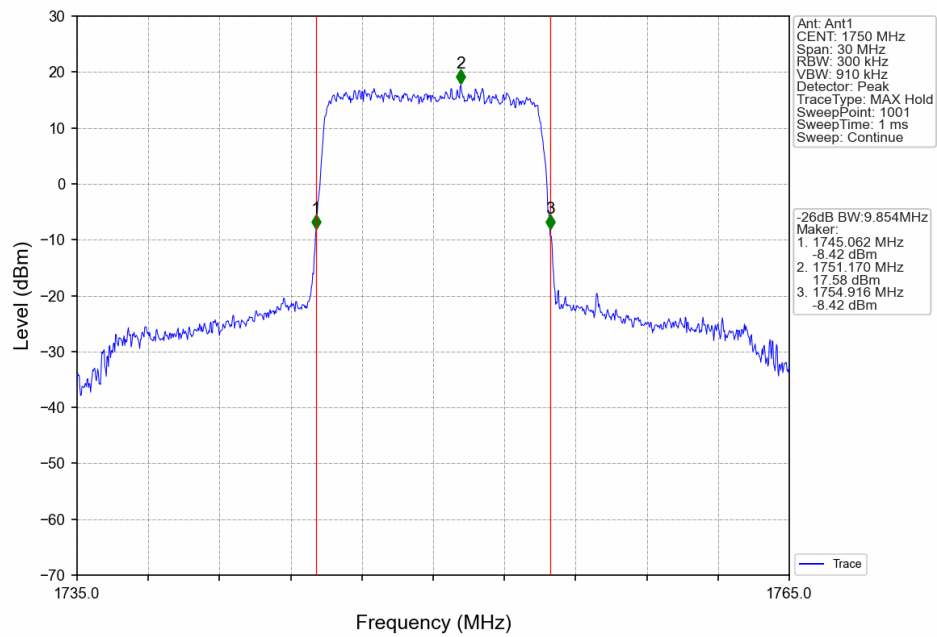
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



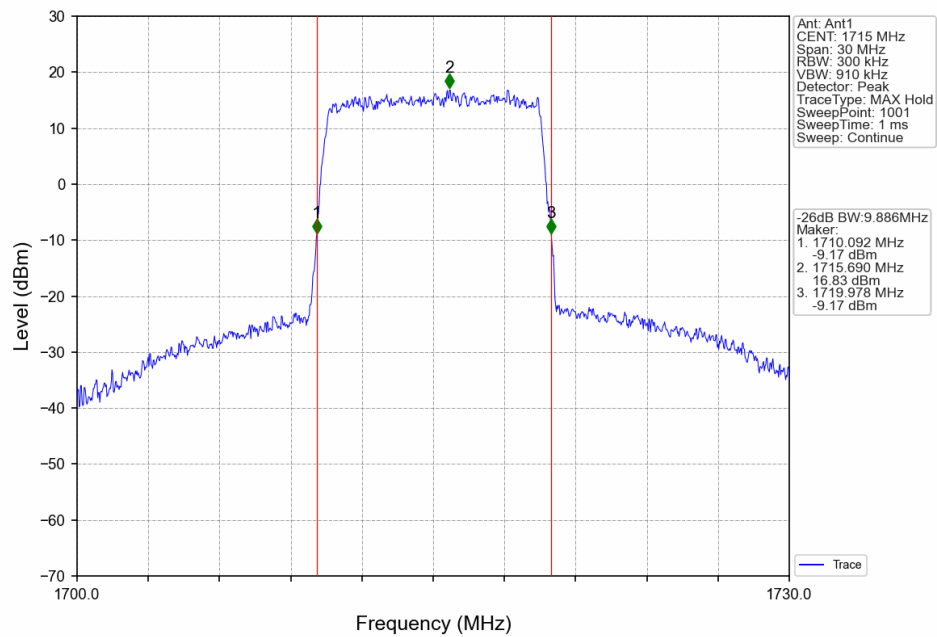
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



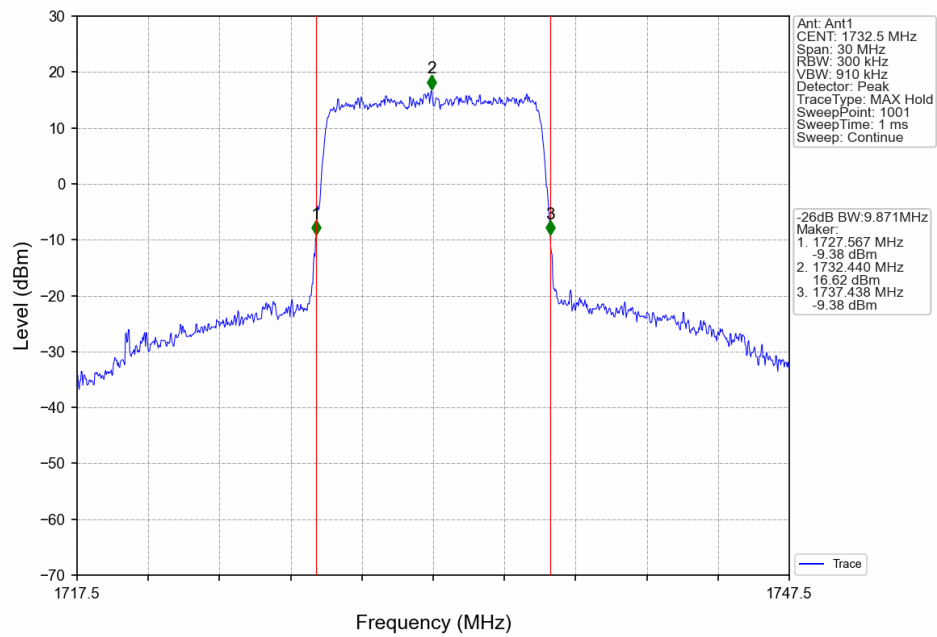
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



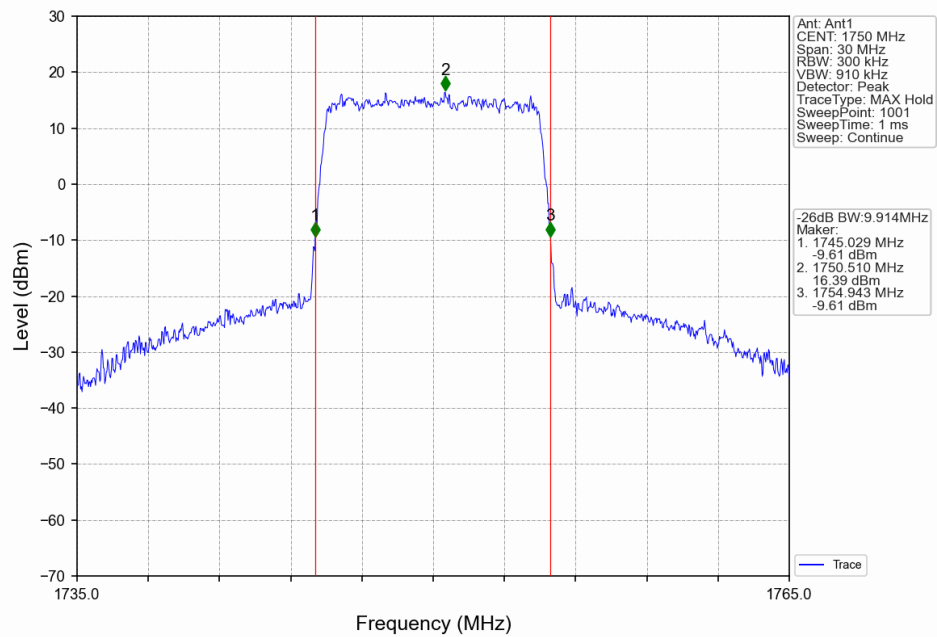
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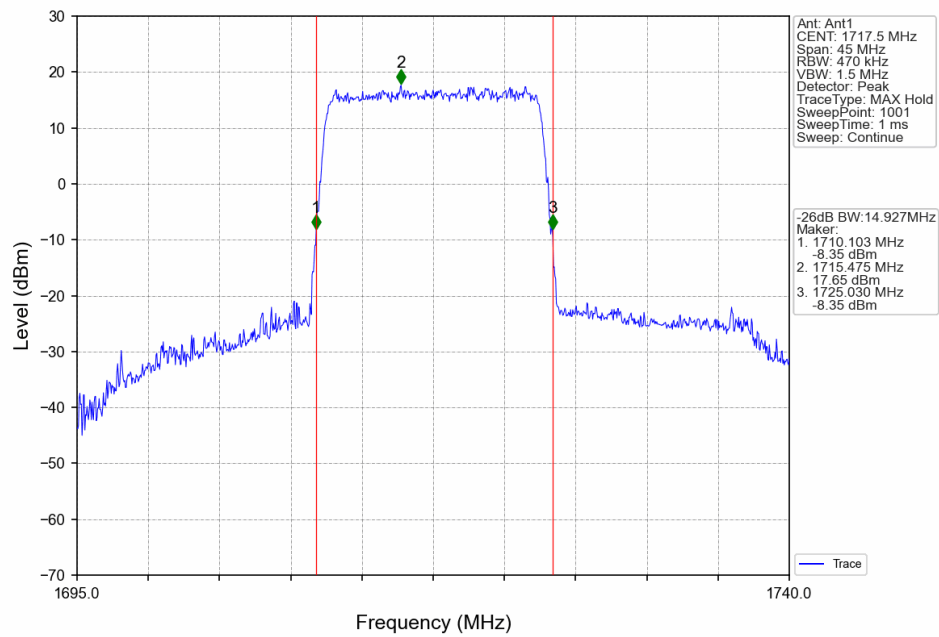
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

