1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.20	-7.24	15.96	<=30	Pass
			2	23.19	-7.24	15.95	<=30	Pass
			5	23.19	-7.24	15.95	<=30	Pass
		3	0	23.19	-7.24	15.95	<=30	Pass
			2	23.17	-7.24	15.93	<=30	Pass
			3	23.19	-7.24	15.95	<=30	Pass
		6	0	23.18	-7.24	15.94	<=30	Pass
	1732.5	1	0	23.16	-7.24	15.92	<=30	Pass
			2	23.16	-7.24	15.92	<=30	Pass
			5	23.16	-7.24	15.92	<=30	Pass
		3	0	23.15	-7.24	15.91	<=30	Pass
			2	23.14	-7.24	15.90	<=30	Pass
			3	23.14	-7.24	15.90	<=30	Pass
		6	0	23.14	-7.24	15.90	<=30	Pass
	1754.3	1	0	23.09	-7.24	15.85	<=30	Pass
			2	23.09	-7.24	15.85	<=30	Pass
			5	23.08	-7.24	15.84	<=30	Pass
		3	0	23.07	-7.24	15.83	<=30	Pass
			2	23.08	-7.24	15.84	<=30	Pass
			3	23.08	-7.24	15.84	<=30	Pass
		6	0	23.08	-7.24	15.84	<=30	Pass
16QAM	1710.7	1	0	23.19	-7.24	15.95	<=30	Pass
			2	23.18	-7.24	15.94	<=30	Pass
			5	23.19	-7.24	15.95	<=30	Pass
		3	0	23.20	-7.24	15.96	<=30	Pass
			2	23.19	-7.24	15.95	<=30	Pass
			3	23.19	-7.24	15.95	<=30	Pass
		6	0	23.19	-7.24	15.95	<=30	Pass
	1732.5	1	0	23.14	-7.24	15.90	<=30	Pass
			2	23.19	-7.24	15.95	<=30	Pass
			5	23.15	-7.24	15.91	<=30	Pass
		3	0	23.15	-7.24	15.91	<=30	Pass
			2	23.14	-7.24	15.90	<=30	Pass
			3	23.14	-7.24	15.90	<=30	Pass
		6	0	23.15	-7.24	15.91	<=30	Pass
	1754.3	1	0	23.07	-7.24	15.83	<=30	Pass
			2	23.09	-7.24	15.85	<=30	Pass
			5	23.06	-7.24	15.82	<=30	Pass
		3	0	23.06	-7.24	15.82	<=30	Pass
			2	23.09	-7.24	15.85	<=30	Pass
			3	23.08	-7.24	15.84	<=30	Pass
		6	0	23.08	-7.24	15.84	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.65	-7.24	16.41	<=30	Pass
			7	23.56	-7.24	16.32	<=30	Pass
			14	23.57	-7.24	16.33	<=30	Pass
		8	0	23.10	-7.24	15.86	<=30	Pass
			4	23.10	-7.24	15.86	<=30	Pass
			7	23.14	-7.24	15.90	<=30	Pass
		15	0	23.13	-7.24	15.89	<=30	Pass
	1732.5	1	0	23.73	-7.24	16.49	<=30	Pass
			7	23.69	-7.24	16.45	<=30	Pass
			14	23.67	-7.24	16.43	<=30	Pass
		8	0	23.14	-7.24	15.90	<=30	Pass
			4	23.11	-7.24	15.87	<=30	Pass
			7	23.09	-7.24	15.85	<=30	Pass
		15	0	23.10	-7.24	15.86	<=30	Pass
	1753.5	1	0	23.63	-7.24	16.39	<=30	Pass
			7	23.70	-7.24	16.46	<=30	Pass
			14	23.68	-7.24	16.44	<=30	Pass
		8	0	23.10	-7.24	15.86	<=30	Pass
			4	23.12	-7.24	15.88	<=30	Pass
			7	23.11	-7.24	15.87	<=30	Pass
		15	0	23.11	-7.24	15.87	<=30	Pass
16QAM	1711.5	1	0	22.74	-7.24	15.50	<=30	Pass
			7	22.65	-7.24	15.41	<=30	Pass
			14	22.68	-7.24	15.44	<=30	Pass
		8	0	22.11	-7.24	14.87	<=30	Pass
			4	22.12	-7.24	14.88	<=30	Pass
			7	22.13	-7.24	14.89	<=30	Pass
		15	0	22.05	-7.24	14.81	<=30	Pass
	1732.5	1	0	23.00	-7.24	15.76	<=30	Pass
			7	23.03	-7.24	15.79	<=30	Pass
			14	23.05	-7.24	15.81	<=30	Pass
		8	0	22.18	-7.24	14.94	<=30	Pass
			4	22.16	-7.24	14.92	<=30	Pass
			7	22.13	-7.24	14.89	<=30	Pass
		15	0	22.12	-7.24	14.88	<=30	Pass
	1753.5	1	0	22.51	-7.24	15.27	<=30	Pass
			7	22.57	-7.24	15.33	<=30	Pass
			14	22.57	-7.24	15.33	<=30	Pass
		8	0	22.07	-7.24	14.83	<=30	Pass
			4	22.06	-7.24	14.82	<=30	Pass
			7	22.07	-7.24	14.83	<=30	Pass
		15	0	22.11	-7.24	14.87	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.80	-7.24	16.56	<=30	Pass
			13	23.64	-7.24	16.40	<=30	Pass
			24	23.74	-7.24	16.50	<=30	Pass
		12	0	23.14	-7.24	15.90	<=30	Pass
			6	23.15	-7.24	15.91	<=30	Pass
			13	23.14	-7.24	15.90	<=30	Pass
		25	0	23.15	-7.24	15.91	<=30	Pass

	1732.5	1	0	23.77	-7.24	16.53	<=30	Pass
			13	23.68	-7.24	16.44	<=30	Pass
			24	23.75	-7.24	16.51	<=30	Pass
		12	0	23.16	-7.24	15.92	<=30	Pass
			6	23.15	-7.24	15.91	<=30	Pass
			13	23.16	-7.24	15.92	<=30	Pass
		25	0	23.18	-7.24	15.94	<=30	Pass
	1752.5	1	0	23.66	-7.24	16.42	<=30	Pass
			13	23.60	-7.24	16.36	<=30	Pass
			24	23.71	-7.24	16.47	<=30	Pass
		12	0	23.14	-7.24	15.90	<=30	Pass
			6	23.10	-7.24	15.86	<=30	Pass
			13	23.11	-7.24	15.87	<=30	Pass
		25	0	23.15	-7.24	15.91	<=30	Pass
16QAM	1712.5	1	0	22.88	-7.24	15.64	<=30	Pass
			13	22.73	-7.24	15.49	<=30	Pass
			24	22.84	-7.24	15.60	<=30	Pass
		12	0	22.13	-7.24	14.89	<=30	Pass
			6	22.11	-7.24	14.87	<=30	Pass
			13	22.12	-7.24	14.88	<=30	Pass
		25	0	22.11	-7.24	14.87	<=30	Pass
	1732.5	1	0	22.70	-7.24	15.46	<=30	Pass
			13	22.61	-7.24	15.37	<=30	Pass
			24	22.71	-7.24	15.47	<=30	Pass
		12	0	22.21	-7.24	14.97	<=30	Pass
			6	22.17	-7.24	14.93	<=30	Pass
			13	22.19	-7.24	14.95	<=30	Pass
		25	0	22.25	-7.24	15.01	<=30	Pass
	1752.5	1	0	23.07	-7.24	15.83	<=30	Pass
			13	22.99	-7.24	15.75	<=30	Pass
			24	23.10	-7.24	15.86	<=30	Pass
		12	0	22.14	-7.24	14.90	<=30	Pass
			6	22.11	-7.24	14.87	<=30	Pass
			13	22.08	-7.24	14.84	<=30	Pass
		25	0	22.11	-7.24	14.87	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.68	-7.24	16.44	<=30	Pass
			25	23.67	-7.24	16.43	<=30	Pass
			49	23.70	-7.24	16.46	<=30	Pass
		25	0	23.08	-7.24	15.84	<=30	Pass
			13	23.16	-7.24	15.92	<=30	Pass
			25	23.15	-7.24	15.91	<=30	Pass
		50	0	23.13	-7.24	15.89	<=30	Pass
	1732.5	1	0	23.77	-7.24	16.53	<=30	Pass
			25	23.73	-7.24	16.49	<=30	Pass
			49	23.72	-7.24	16.48	<=30	Pass
		25	0	23.13	-7.24	15.89	<=30	Pass
			13	23.17	-7.24	15.93	<=30	Pass
			25	23.19	-7.24	15.95	<=30	Pass
		50	0	23.20	-7.24	15.96	<=30	Pass
	1750	1	0	23.71	-7.24	16.47	<=30	Pass
			25	23.64	-7.24	16.40	<=30	Pass

			49	23.75	-7.24	16.51	<=30	Pass
		25	0	23.11	-7.24	15.87	<=30	Pass
			13	23.06	-7.24	15.82	<=30	Pass
			25	23.10	-7.24	15.86	<=30	Pass
		50	0	23.10	-7.24	15.86	<=30	Pass
16QAM	1715	1	0	22.75	-7.24	15.51	<=30	Pass
			25	22.76	-7.24	15.52	<=30	Pass
			49	22.77	-7.24	15.53	<=30	Pass
		25	0	22.10	-7.24	14.86	<=30	Pass
			13	22.16	-7.24	14.92	<=30	Pass
			25	22.17	-7.24	14.93	<=30	Pass
		50	0	22.08	-7.24	14.84	<=30	Pass
	1732.5	1	0	23.13	-7.24	15.89	<=30	Pass
			25	23.07	-7.24	15.83	<=30	Pass
			49	23.11	-7.24	15.87	<=30	Pass
		25	0	22.15	-7.24	14.91	<=30	Pass
			13	22.17	-7.24	14.93	<=30	Pass
			25	22.19	-7.24	14.95	<=30	Pass
		50	0	22.15	-7.24	14.91	<=30	Pass
	1750	1	0	22.56	-7.24	15.32	<=30	Pass
			25	22.51	-7.24	15.27	<=30	Pass
			49	22.63	-7.24	15.39	<=30	Pass
		25	0	22.14	-7.24	14.90	<=30	Pass
			13	22.09	-7.24	14.85	<=30	Pass
			25	22.10	-7.24	14.86	<=30	Pass
		50	0	22.09	-7.24	14.85	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.75	-7.24	16.51	<=30	Pass
			38	23.73	-7.24	16.49	<=30	Pass
			74	23.66	-7.24	16.42	<=30	Pass
		36	0	23.10	-7.24	15.86	<=30	Pass
			18	23.15	-7.24	15.91	<=30	Pass
			39	23.12	-7.24	15.88	<=30	Pass
		75	0	23.16	-7.24	15.92	<=30	Pass
	1732.5	1	0	23.54	-7.24	16.30	<=30	Pass
			38	23.59	-7.24	16.35	<=30	Pass
			74	23.50	-7.24	16.26	<=30	Pass
		36	0	23.05	-7.24	15.81	<=30	Pass
			18	23.15	-7.24	15.91	<=30	Pass
			39	23.16	-7.24	15.92	<=30	Pass
		75	0	23.12	-7.24	15.88	<=30	Pass
	1747.5	1	0	23.57	-7.24	16.33	<=30	Pass
			38	23.57	-7.24	16.33	<=30	Pass
			74	23.56	-7.24	16.32	<=30	Pass
		36	0	23.07	-7.24	15.83	<=30	Pass
			18	23.02	-7.24	15.78	<=30	Pass
			39	23.01	-7.24	15.77	<=30	Pass
		75	0	23.08	-7.24	15.84	<=30	Pass
16QAM	1717.5	1	0	22.59	-7.24	15.35	<=30	Pass
			38	22.58	-7.24	15.34	<=30	Pass
			74	22.51	-7.24	15.27	<=30	Pass
		36	0	22.11	-7.24	14.87	<=30	Pass

			18	22.11	-7.24	14.87	<=30	Pass
			39	22.13	-7.24	14.89	<=30	Pass
		75	0	22.11	-7.24	14.87	<=30	Pass
	1732.5	1	0	22.66	-7.24	15.42	<=30	Pass
			38	22.68	-7.24	15.44	<=30	Pass
			74	22.56	-7.24	15.32	<=30	Pass
		36	0	22.08	-7.24	14.84	<=30	Pass
			18	22.12	-7.24	14.88	<=30	Pass
			39	22.14	-7.24	14.90	<=30	Pass
		75	0	22.12	-7.24	14.88	<=30	Pass
	1747.5	1	0	22.52	-7.24	15.28	<=30	Pass
			38	22.55	-7.24	15.31	<=30	Pass
			74	22.56	-7.24	15.32	<=30	Pass
		36	0	22.09	-7.24	14.85	<=30	Pass
			18	22.06	-7.24	14.82	<=30	Pass
			39	22.02	-7.24	14.78	<=30	Pass
		75	0	22.07	-7.24	14.83	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.70	-7.24	16.46	<=30	Pass
			50	23.77	-7.24	16.53	<=30	Pass
			99	23.70	-7.24	16.46	<=30	Pass
		50	0	23.11	-7.24	15.87	<=30	Pass
			25	23.16	-7.24	15.92	<=30	Pass
			50	23.16	-7.24	15.92	<=30	Pass
		100	0	23.14	-7.24	15.90	<=30	Pass
	1732.5	1	0	23.59	-7.24	16.35	<=30	Pass
			50	23.69	-7.24	16.45	<=30	Pass
			99	23.57	-7.24	16.33	<=30	Pass
		50	0	23.11	-7.24	15.87	<=30	Pass
			25	23.16	-7.24	15.92	<=30	Pass
			50	23.22	-7.24	15.98	<=30	Pass
		100	0	23.15	-7.24	15.91	<=30	Pass
	1745	1	0	23.55	-7.24	16.31	<=30	Pass
			50	23.58	-7.24	16.34	<=30	Pass
			99	23.59	-7.24	16.35	<=30	Pass
		50	0	23.07	-7.24	15.83	<=30	Pass
			25	23.10	-7.24	15.86	<=30	Pass
			50	22.97	-7.24	15.73	<=30	Pass
		100	0	23.03	-7.24	15.79	<=30	Pass
16QAM	1720	1	0	22.67	-7.24	15.43	<=30	Pass
			50	22.73	-7.24	15.49	<=30	Pass
			99	22.69	-7.24	15.45	<=30	Pass
		50	0	22.07	-7.24	14.83	<=30	Pass
			25	22.11	-7.24	14.87	<=30	Pass
			50	22.13	-7.24	14.89	<=30	Pass
		100	0	22.11	-7.24	14.87	<=30	Pass
	1732.5	1	0	22.46	-7.24	15.22	<=30	Pass
			50	22.54	-7.24	15.30	<=30	Pass
			99	22.43	-7.24	15.19	<=30	Pass
		50	0	22.09	-7.24	14.85	<=30	Pass
			25	22.10	-7.24	14.86	<=30	Pass
			50	22.15	-7.24	14.91	<=30	Pass

		100	0	22.14	-7.24	14.90	<=30	Pass
	1745	1	0	22.95	-7.24	15.71	<=30	Pass
			50	22.96	-7.24	15.72	<=30	Pass
			99	22.99	-7.24	15.75	<=30	Pass
		50	0	22.03	-7.24	14.79	<=30	Pass
			25	22.05	-7.24	14.81	<=30	Pass
			50	21.94	-7.24	14.70	<=30	Pass
		100	0	21.99	-7.24	14.75	<=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	-11.644	-0.0068	-2.5 to 2.5	Pass
					3.85	3.891	0.0023	-2.5 to 2.5	Pass
					4.43	4.449	0.0026	-2.5 to 2.5	Pass
				-30	3.85	11.487	0.0067	-2.5 to 2.5	Pass
				-20	3.85	-6.680	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-12.102	-0.0071	-2.5 to 2.5	Pass
				0	3.85	8.483	0.0050	-2.5 to 2.5	Pass
				10	3.85	-11.845	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-10.529	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.215	0.0001	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-11.716	-0.0068	-2.5 to 2.5	Pass
					3.85	11.745	0.0068	-2.5 to 2.5	Pass
					4.43	16.551	0.0096	-2.5 to 2.5	Pass
				-30	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				-20	3.85	3.190	0.0018	-2.5 to 2.5	Pass
				-10	3.85	12.288	0.0071	-2.5 to 2.5	Pass
				0	3.85	-9.570	-0.0055	-2.5 to 2.5	Pass
				10	3.85	5.064	0.0029	-2.5 to 2.5	Pass
				30	3.85	-11.659	-0.0067	-2.5 to 2.5	Pass
				40	3.85	13.433	0.0078	-2.5 to 2.5	Pass
				50	3.85	2.732	0.0016	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-20.370	-0.0116	-2.5 to 2.5	Pass
					3.85	-7.682	-0.0044	-2.5 to 2.5	Pass
					4.43	-14.105	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	13.447	0.0077	-2.5 to 2.5	Pass
				-10	3.85	-12.045	-0.0069	-2.5 to 2.5	Pass
				0	3.85	13.962	0.0080	-2.5 to 2.5	Pass
				10	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				30	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				40	3.85	-5.665	-0.0032	-2.5 to 2.5	Pass
				50	3.85	4.764	0.0027	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-6.337	-0.0037	-2.5 to 2.5	Pass
					3.85	-13.433	-0.0079	-2.5 to 2.5	Pass
					4.43	3.204	0.0019	-2.5 to 2.5	Pass
				-30	3.85	11.773	0.0069	-2.5 to 2.5	Pass

				-20	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-9.842	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-11.315	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-12.946	-0.0076	-2.5 to 2.5	Pass
				30	3.85	7.954	0.0046	-2.5 to 2.5	Pass
				40	3.85	10.571	0.0062	-2.5 to 2.5	Pass
				50	3.85	-12.174	-0.0071	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-9.527	-0.0055	-2.5 to 2.5	Pass
					3.85	11.401	0.0066	-2.5 to 2.5	Pass
					4.43	11.544	0.0067	-2.5 to 2.5	Pass
				-30	3.85	11.015	0.0064	-2.5 to 2.5	Pass
				-20	3.85	12.860	0.0074	-2.5 to 2.5	Pass
				-10	3.85	14.820	0.0086	-2.5 to 2.5	Pass
				0	3.85	-7.582	-0.0044	-2.5 to 2.5	Pass
				10	3.85	3.762	0.0022	-2.5 to 2.5	Pass
				30	3.85	-9.427	-0.0054	-2.5 to 2.5	Pass
				40	3.85	10.729	0.0062	-2.5 to 2.5	Pass
				50	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	19.083	0.0109	-2.5 to 2.5	Pass
					3.85	8.326	0.0047	-2.5 to 2.5	Pass
					4.43	10.943	0.0062	-2.5 to 2.5	Pass
				-30	3.85	5.894	0.0034	-2.5 to 2.5	Pass
				-20	3.85	3.362	0.0019	-2.5 to 2.5	Pass
				-10	3.85	15.693	0.0089	-2.5 to 2.5	Pass
				0	3.85	-7.739	-0.0044	-2.5 to 2.5	Pass
				10	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.130	-0.0006	-2.5 to 2.5	Pass
				40	3.85	2.875	0.0016	-2.5 to 2.5	Pass
				50	3.85	-11.745	-0.0067	-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	-0.801	-0.0005	-2.5 to 2.5	Pass
					3.85	-8.926	-0.0052	-2.5 to 2.5	Pass
					4.43	1.059	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				10	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				30	3.85	-10.500	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	4.706	0.0027	-2.5 to 2.5	Pass
					3.85	11.287	0.0065	-2.5 to 2.5	Pass
					4.43	10.314	0.0060	-2.5 to 2.5	Pass
				-30	3.85	6.223	0.0036	-2.5 to 2.5	Pass
				-20	3.85	3.734	0.0022	-2.5 to 2.5	Pass
				-10	3.85	11.702	0.0068	-2.5 to 2.5	Pass
				0	3.85	4.077	0.0024	-2.5 to 2.5	Pass
				10	3.85	-11.272	-0.0065	-2.5 to 2.5	Pass
				30	3.85	16.594	0.0096	-2.5 to 2.5	Pass
				40	3.85	4.463	0.0026	-2.5 to 2.5	Pass
				50	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	2.661	0.0015	-2.5 to 2.5	Pass

					3.85	-13.347	-0.0076	-2.5 to 2.5	Pass
					4.43	11.530	0.0066	-2.5 to 2.5	Pass
				-30	3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	5.736	0.0033	-2.5 to 2.5	Pass
				-10	3.85	4.721	0.0027	-2.5 to 2.5	Pass
				0	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	14.606	0.0083	-2.5 to 2.5	Pass
				30	3.85	-7.181	-0.0041	-2.5 to 2.5	Pass
				40	3.85	3.633	0.0021	-2.5 to 2.5	Pass
				50	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-6.466	-0.0038	-2.5 to 2.5	Pass
					3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
					4.43	-4.320	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	0.944	0.0006	-2.5 to 2.5	Pass
				-20	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				-10	3.85	-5.221	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-12.174	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-5.579	-0.0033	-2.5 to 2.5	Pass
				40	3.85	10.886	0.0064	-2.5 to 2.5	Pass
				50	3.85	8.197	0.0048	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-17.266	-0.0100	-2.5 to 2.5	Pass
					3.85	2.131	0.0012	-2.5 to 2.5	Pass
					4.43	-7.997	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-20	3.85	7.453	0.0043	-2.5 to 2.5	Pass
				-10	3.85	-5.736	-0.0033	-2.5 to 2.5	Pass
				0	3.85	11.201	0.0065	-2.5 to 2.5	Pass
				10	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				30	3.85	10.543	0.0061	-2.5 to 2.5	Pass
				40	3.85	2.160	0.0012	-2.5 to 2.5	Pass
				50	3.85	-5.093	-0.0029	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	9.298	0.0053	-2.5 to 2.5	Pass
					3.85	5.193	0.0030	-2.5 to 2.5	Pass
					4.43	9.556	0.0054	-2.5 to 2.5	Pass
				-30	3.85	15.178	0.0087	-2.5 to 2.5	Pass
				-20	3.85	13.289	0.0076	-2.5 to 2.5	Pass
				-10	3.85	5.479	0.0031	-2.5 to 2.5	Pass
				0	3.85	13.347	0.0076	-2.5 to 2.5	Pass
				10	3.85	-6.394	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				50	3.85	4.063	0.0023	-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	3.433	0.0020	-2.5 to 2.5	Pass
					3.85	1.817	0.0011	-2.5 to 2.5	Pass
					4.43	1.402	0.0008	-2.5 to 2.5	Pass
				-30	3.85	8.898	0.0052	-2.5 to 2.5	Pass
				-20	3.85	2.360	0.0014	-2.5 to 2.5	Pass
				-10	3.85	7.653	0.0045	-2.5 to 2.5	Pass
				0	3.85	10.271	0.0060	-2.5 to 2.5	Pass
				10	3.85	5.007	0.0029	-2.5 to 2.5	Pass
				30	3.85	-3.734	-0.0022	-2.5 to 2.5	Pass

				40	3.85	4.735	0.0028	-2.5 to 2.5	Pass
				50	3.85	4.706	0.0027	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	1.574	0.0009	-2.5 to 2.5	Pass
					3.85	1.545	0.0009	-2.5 to 2.5	Pass
					4.43	3.605	0.0021	-2.5 to 2.5	Pass
				-30	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-8.025	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				10	3.85	5.364	0.0031	-2.5 to 2.5	Pass
				30	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				40	3.85	5.865	0.0034	-2.5 to 2.5	Pass
				50	3.85	3.490	0.0020	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-7.997	-0.0046	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.687	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				0	3.85	-5.665	-0.0032	-2.5 to 2.5	Pass
				10	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				30	3.85	8.826	0.0050	-2.5 to 2.5	Pass
				40	3.85	7.267	0.0041	-2.5 to 2.5	Pass
				50	3.85	4.492	0.0026	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-6.351	-0.0037	-2.5 to 2.5	Pass
					3.85	-3.362	-0.0020	-2.5 to 2.5	Pass
					4.43	11.973	0.0070	-2.5 to 2.5	Pass
				-30	3.85	7.024	0.0041	-2.5 to 2.5	Pass
				-20	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				-10	3.85	5.822	0.0034	-2.5 to 2.5	Pass
				0	3.85	12.217	0.0071	-2.5 to 2.5	Pass
				10	3.85	6.180	0.0036	-2.5 to 2.5	Pass
				30	3.85	-5.322	-0.0031	-2.5 to 2.5	Pass
				40	3.85	4.063	0.0024	-2.5 to 2.5	Pass
				50	3.85	3.505	0.0020	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-3.991	-0.0023	-2.5 to 2.5	Pass
					3.85	4.377	0.0025	-2.5 to 2.5	Pass
					4.43	5.522	0.0032	-2.5 to 2.5	Pass
				-30	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				-20	3.85	14.634	0.0084	-2.5 to 2.5	Pass
				-10	3.85	4.106	0.0024	-2.5 to 2.5	Pass
				0	3.85	8.054	0.0046	-2.5 to 2.5	Pass
				10	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				30	3.85	8.798	0.0051	-2.5 to 2.5	Pass
				40	3.85	7.453	0.0043	-2.5 to 2.5	Pass
				50	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	3.691	0.0021	-2.5 to 2.5	Pass
					3.85	6.037	0.0034	-2.5 to 2.5	Pass
					4.43	6.795	0.0039	-2.5 to 2.5	Pass
				-30	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.432	0.0014	-2.5 to 2.5	Pass
				-10	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				0	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				10	3.85	7.639	0.0044	-2.5 to 2.5	Pass
				30	3.85	5.078	0.0029	-2.5 to 2.5	Pass
				40	3.85	3.233	0.0018	-2.5 to 2.5	Pass
				50	3.85	6.280	0.0036	-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	-0.415	-0.0002	-2.5 to 2.5	Pass
					3.85	4.864	0.0028	-2.5 to 2.5	Pass
					4.43	4.320	0.0025	-2.5 to 2.5	Pass
				-30	3.85	4.363	0.0025	-2.5 to 2.5	Pass
				-20	3.85	3.848	0.0022	-2.5 to 2.5	Pass
				-10	3.85	7.639	0.0045	-2.5 to 2.5	Pass
				0	3.85	9.499	0.0055	-2.5 to 2.5	Pass
				10	3.85	6.380	0.0037	-2.5 to 2.5	Pass
				30	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				40	3.85	7.095	0.0041	-2.5 to 2.5	Pass
				50	3.85	12.703	0.0074	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.472	-0.0003	-2.5 to 2.5	Pass
					3.85	2.375	0.0014	-2.5 to 2.5	Pass
					4.43	-1.917	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	4.778	0.0028	-2.5 to 2.5	Pass
				-20	3.85	5.593	0.0032	-2.5 to 2.5	Pass
				-10	3.85	5.093	0.0029	-2.5 to 2.5	Pass
				0	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				10	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				30	3.85	7.010	0.0040	-2.5 to 2.5	Pass
				40	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.659	-0.0010	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	7.510	0.0043	-2.5 to 2.5	Pass
					3.85	3.176	0.0018	-2.5 to 2.5	Pass
					4.43	2.747	0.0016	-2.5 to 2.5	Pass
				-30	3.85	3.734	0.0021	-2.5 to 2.5	Pass
				-20	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				-10	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.646	0.0015	-2.5 to 2.5	Pass
				10	3.85	4.764	0.0027	-2.5 to 2.5	Pass
				30	3.85	3.333	0.0019	-2.5 to 2.5	Pass
				40	3.85	6.037	0.0034	-2.5 to 2.5	Pass
				50	3.85	9.513	0.0054	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	7.038	0.0041	-2.5 to 2.5	Pass
					3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
					4.43	4.721	0.0028	-2.5 to 2.5	Pass
				-30	3.85	5.336	0.0031	-2.5 to 2.5	Pass
				-20	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				0	3.85	5.164	0.0030	-2.5 to 2.5	Pass
				10	3.85	4.292	0.0025	-2.5 to 2.5	Pass
				30	3.85	5.193	0.0030	-2.5 to 2.5	Pass
				40	3.85	4.778	0.0028	-2.5 to 2.5	Pass
				50	3.85	4.678	0.0027	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	0.458	0.0003	-2.5 to 2.5	Pass
					3.85	4.964	0.0029	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-4.950	-0.0029	-2.5 to 2.5	Pass
				0	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				50	3.85	2.117	0.0012	-2.5 to 2.5	Pass

	1750	50	0	20	3.27	-0.529	-0.0003	-2.5 to 2.5	Pass
					3.85	0.772	0.0004	-2.5 to 2.5	Pass
					4.43	2.046	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	4.535	0.0026	-2.5 to 2.5	Pass
				-10	3.85	5.622	0.0032	-2.5 to 2.5	Pass
				0	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				30	3.85	2.489	0.0014	-2.5 to 2.5	Pass
				40	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.459	-0.0008	-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	4.635	0.0027	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	3.076	0.0018	-2.5 to 2.5	Pass
				-30	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-10	3.85	6.037	0.0035	-2.5 to 2.5	Pass
				0	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				10	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				40	3.85	4.649	0.0027	-2.5 to 2.5	Pass
				50	3.85	9.112	0.0053	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	4.721	0.0027	-2.5 to 2.5	Pass
					3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
					4.43	3.047	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
				30	3.85	4.063	0.0023	-2.5 to 2.5	Pass
				40	3.85	0.300	0.0002	-2.5 to 2.5	Pass
				50	3.85	4.563	0.0026	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-1.616	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.332	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.219	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-1.273	-0.0007	-2.5 to 2.5	Pass
					3.85	0.057	0.0000	-2.5 to 2.5	Pass
					4.43	0.572	0.0003	-2.5 to 2.5	Pass
				-30	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				-20	3.85	5.164	0.0030	-2.5 to 2.5	Pass
				-10	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.947	0.0017	-2.5 to 2.5	Pass
				10	3.85	6.323	0.0037	-2.5 to 2.5	Pass

				30	3.85	3.719	0.0022	-2.5 to 2.5	Pass
				40	3.85	6.580	0.0038	-2.5 to 2.5	Pass
				50	3.85	5.693	0.0033	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	5.736	0.0033	-2.5 to 2.5	Pass
					3.85	2.131	0.0012	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	3.047	0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				10	3.85	3.533	0.0020	-2.5 to 2.5	Pass
				30	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.515	0.0003	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	1.359	0.0008	-2.5 to 2.5	Pass
					3.85	3.462	0.0020	-2.5 to 2.5	Pass
					4.43	-0.343	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	6.108	0.0035	-2.5 to 2.5	Pass
				10	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				40	3.85	6.795	0.0039	-2.5 to 2.5	Pass
				50	3.85	3.390	0.0019	-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	1.388	0.0008	-2.5 to 2.5	Pass
					3.85	2.775	0.0016	-2.5 to 2.5	Pass
					4.43	3.977	0.0023	-2.5 to 2.5	Pass
				-30	3.85	3.104	0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.559	0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				40	3.85	1.574	0.0009	-2.5 to 2.5	Pass
				50	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.732	-0.0016	-2.5 to 2.5	Pass
					3.85	-0.086	0.0000	-2.5 to 2.5	Pass
					4.43	-4.606	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	3.85	2.618	0.0015	-2.5 to 2.5	Pass
				10	3.85	4.706	0.0027	-2.5 to 2.5	Pass
				30	3.85	2.532	0.0015	-2.5 to 2.5	Pass
				40	3.85	7.896	0.0046	-2.5 to 2.5	Pass
				50	3.85	6.652	0.0038	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	0.544	0.0003	-2.5 to 2.5	Pass
					3.85	2.217	0.0013	-2.5 to 2.5	Pass
					4.43	2.518	0.0014	-2.5 to 2.5	Pass
				-30	3.85	10.486	0.0060	-2.5 to 2.5	Pass
				-20	3.85	9.098	0.0052	-2.5 to 2.5	Pass

				-10	3.85	3.819	0.0022	-2.5 to 2.5	Pass
				0	3.85	10.843	0.0062	-2.5 to 2.5	Pass
				10	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				30	3.85	4.048	0.0023	-2.5 to 2.5	Pass
				40	3.85	2.289	0.0013	-2.5 to 2.5	Pass
				50	3.85	4.206	0.0024	-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	1.988	0.0012	-2.5 to 2.5	Pass
					4.43	-0.601	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.974	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				0	3.85	1.831	0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				40	3.85	2.117	0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	4.463	0.0026	-2.5 to 2.5	Pass
					3.85	4.964	0.0029	-2.5 to 2.5	Pass
					4.43	5.636	0.0033	-2.5 to 2.5	Pass
				-30	3.85	5.608	0.0032	-2.5 to 2.5	Pass
				-20	3.85	4.277	0.0025	-2.5 to 2.5	Pass
				-10	3.85	5.150	0.0030	-2.5 to 2.5	Pass
				0	3.85	4.163	0.0024	-2.5 to 2.5	Pass
				10	3.85	3.533	0.0020	-2.5 to 2.5	Pass
				30	3.85	2.847	0.0016	-2.5 to 2.5	Pass
				40	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.658	0.0004	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	4.134	0.0024	-2.5 to 2.5	Pass
					3.85	3.347	0.0019	-2.5 to 2.5	Pass
					4.43	-2.275	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	8.569	0.0049	-2.5 to 2.5	Pass
				-20	3.85	7.625	0.0044	-2.5 to 2.5	Pass
				-10	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.632	0.0015	-2.5 to 2.5	Pass
				10	3.85	-6.123	-0.0035	-2.5 to 2.5	Pass
				30	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				40	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.1.5 B4_15MHz

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

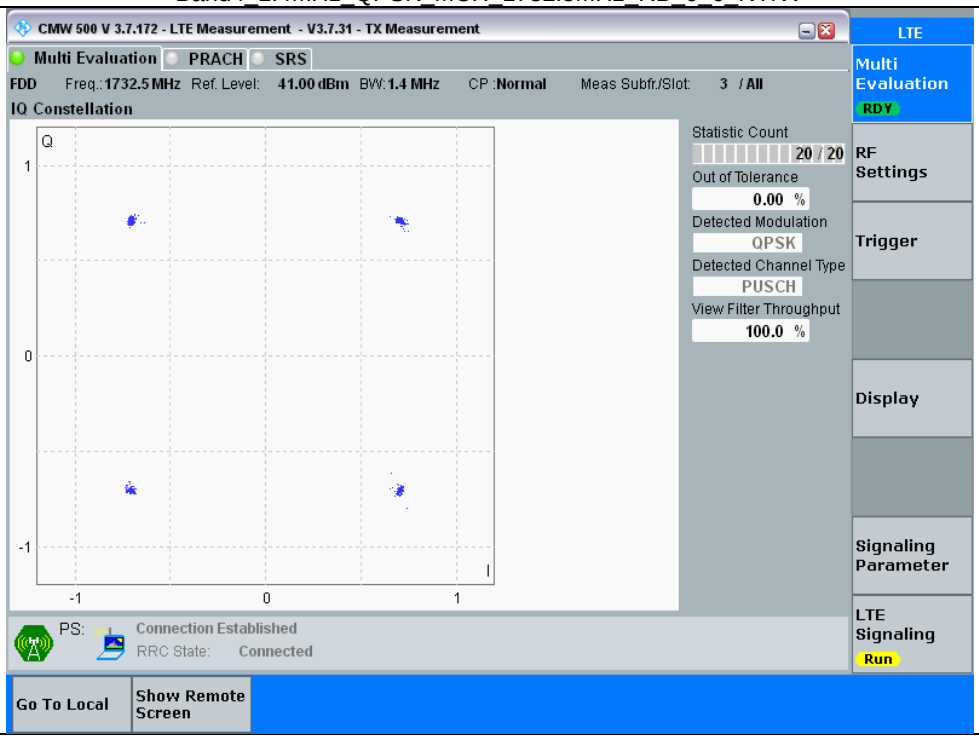
3.1.6 B4_20MHz

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

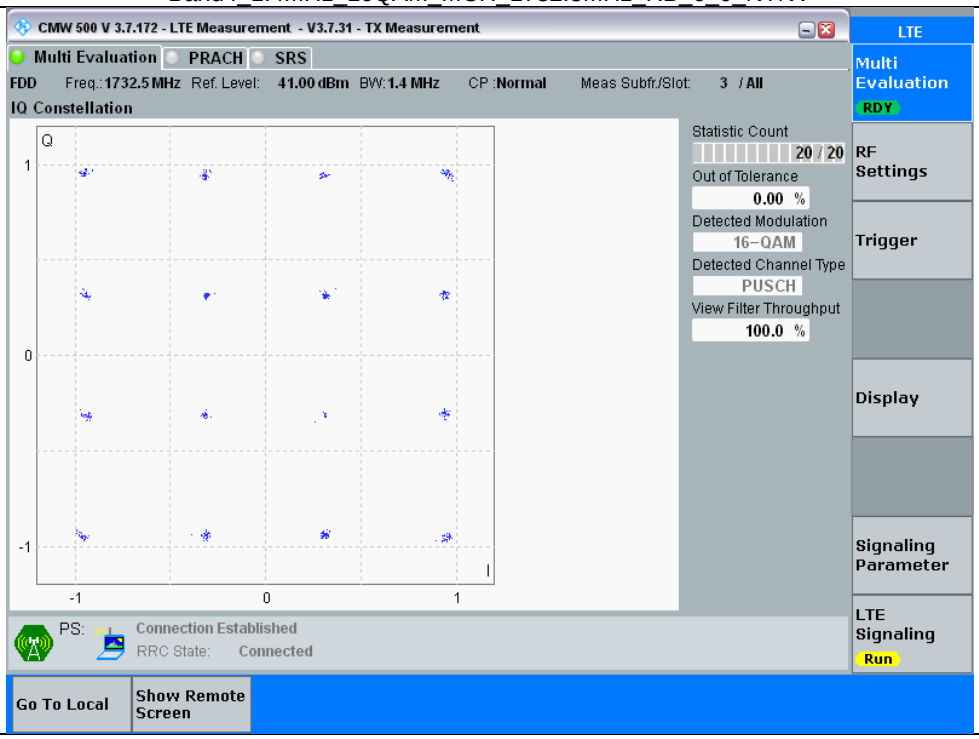
3.2 Test Graph

3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

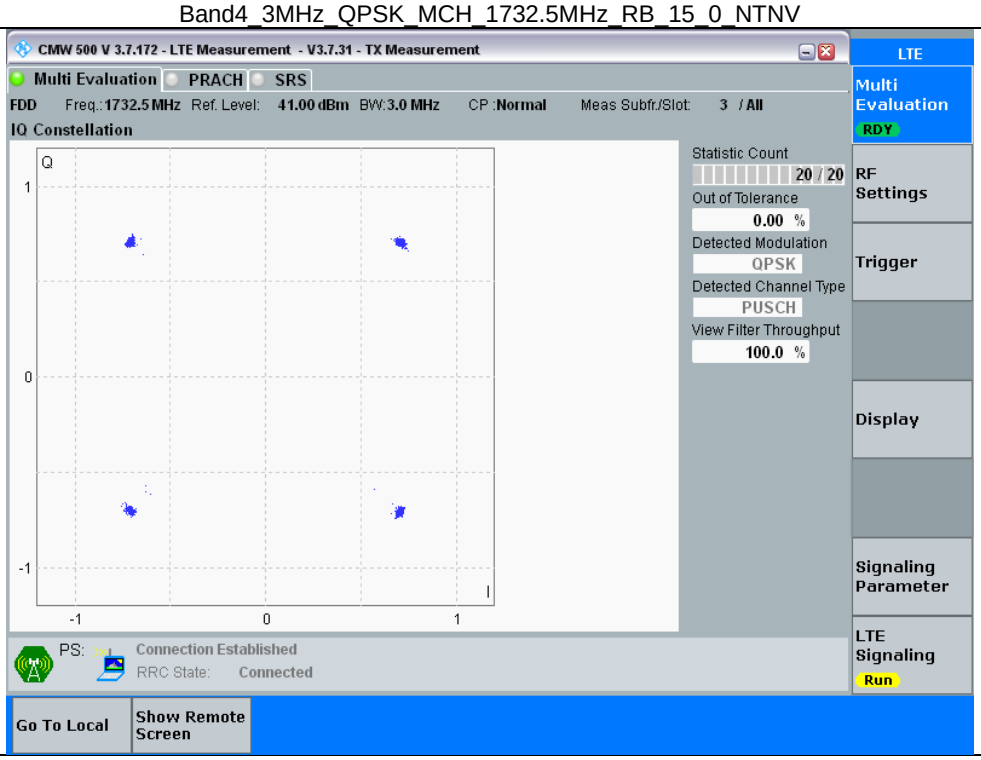


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

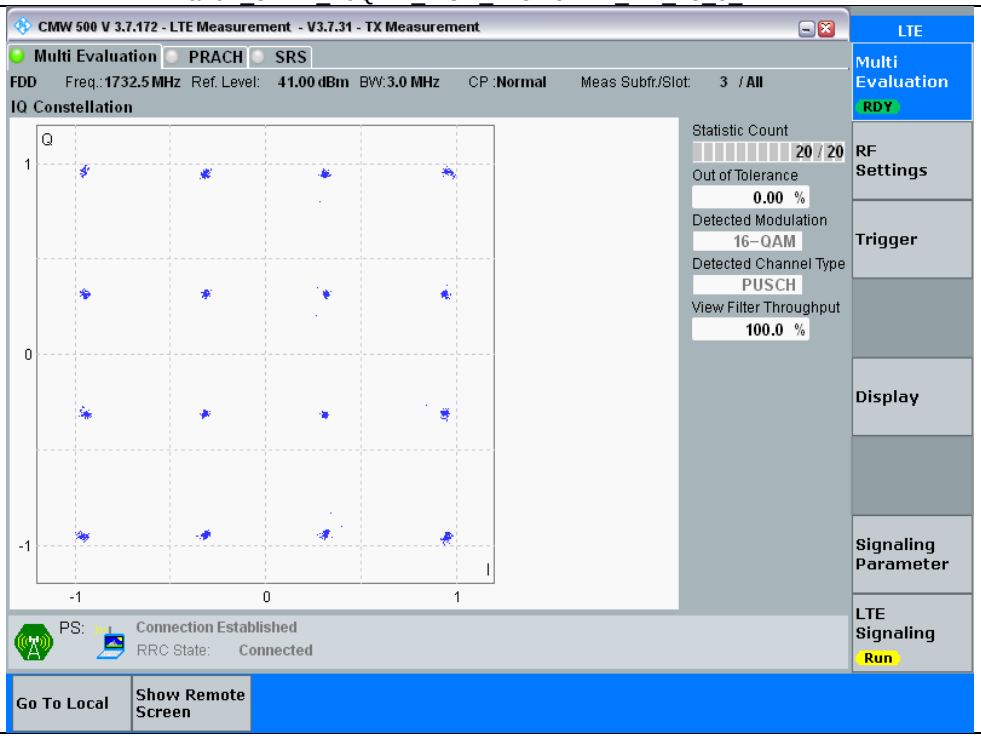


3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

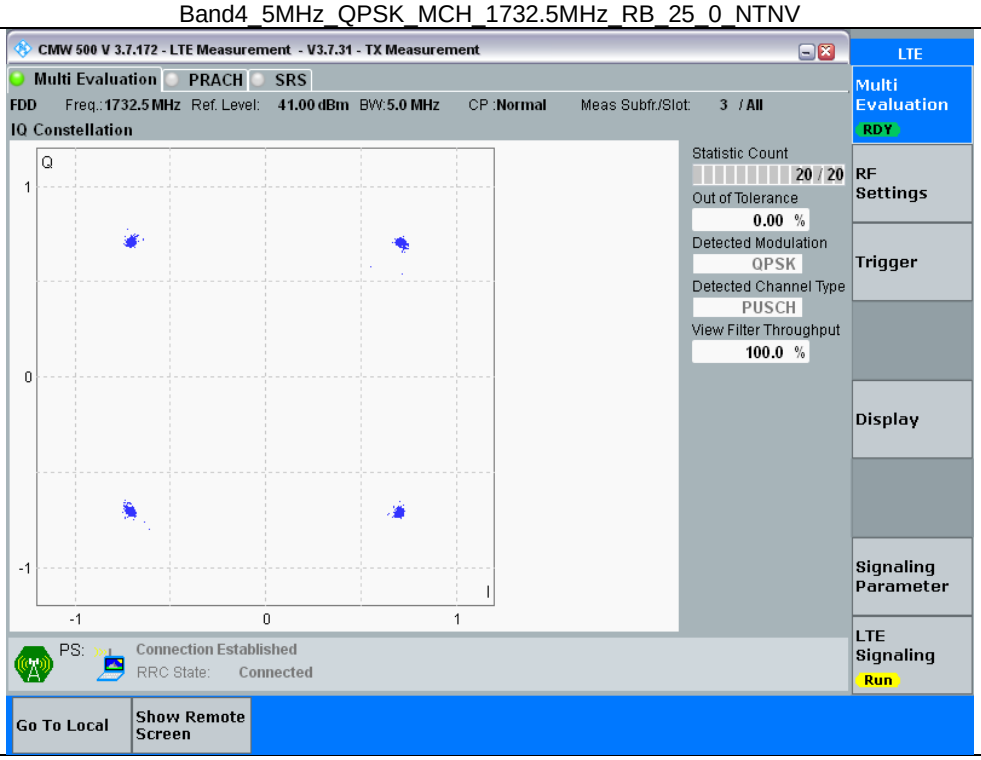


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

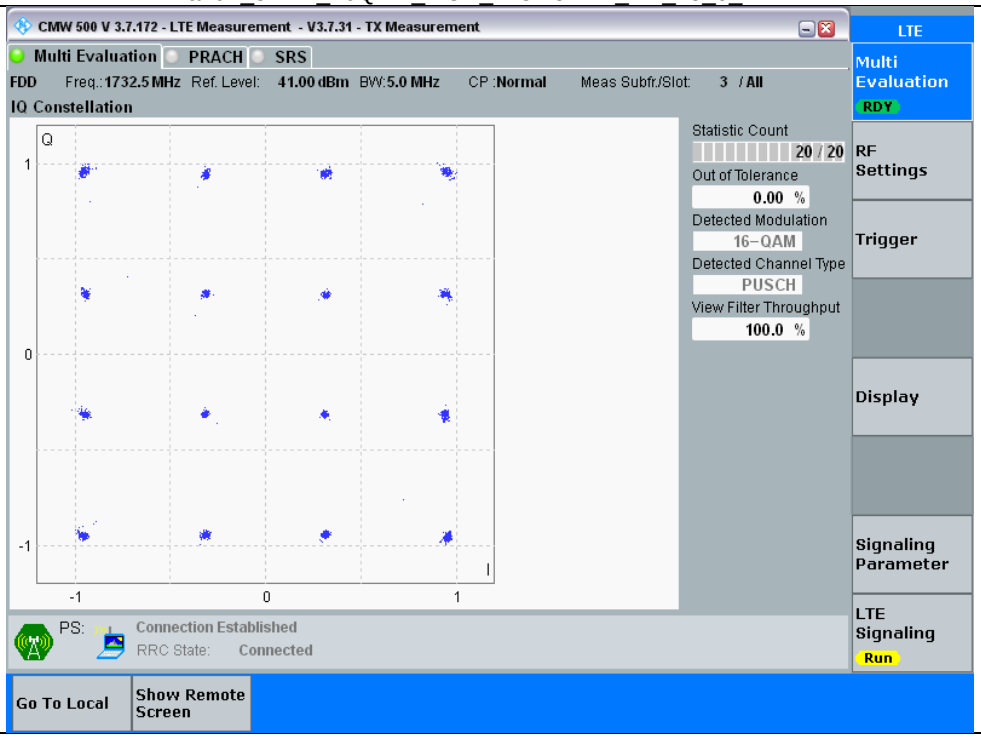


3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

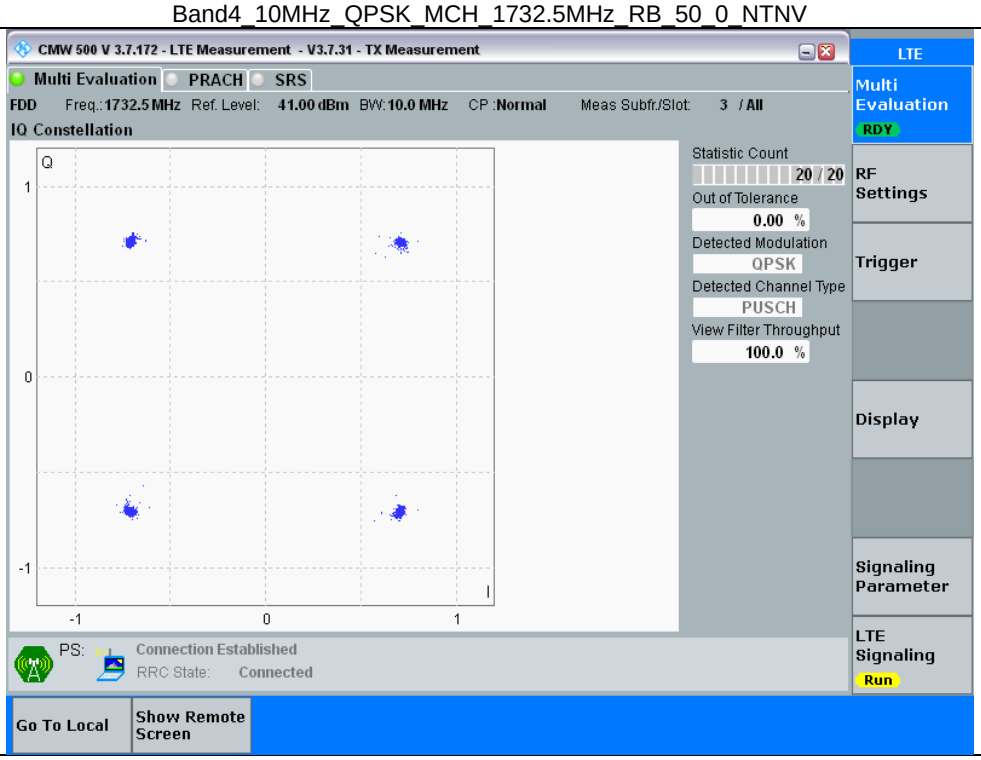


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

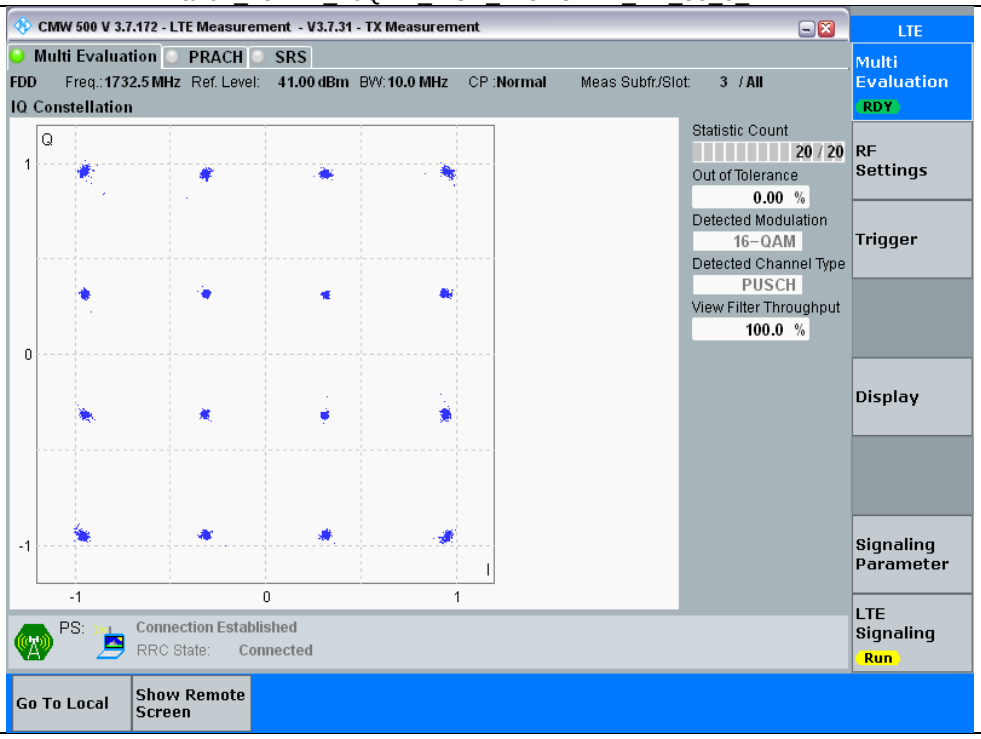


3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

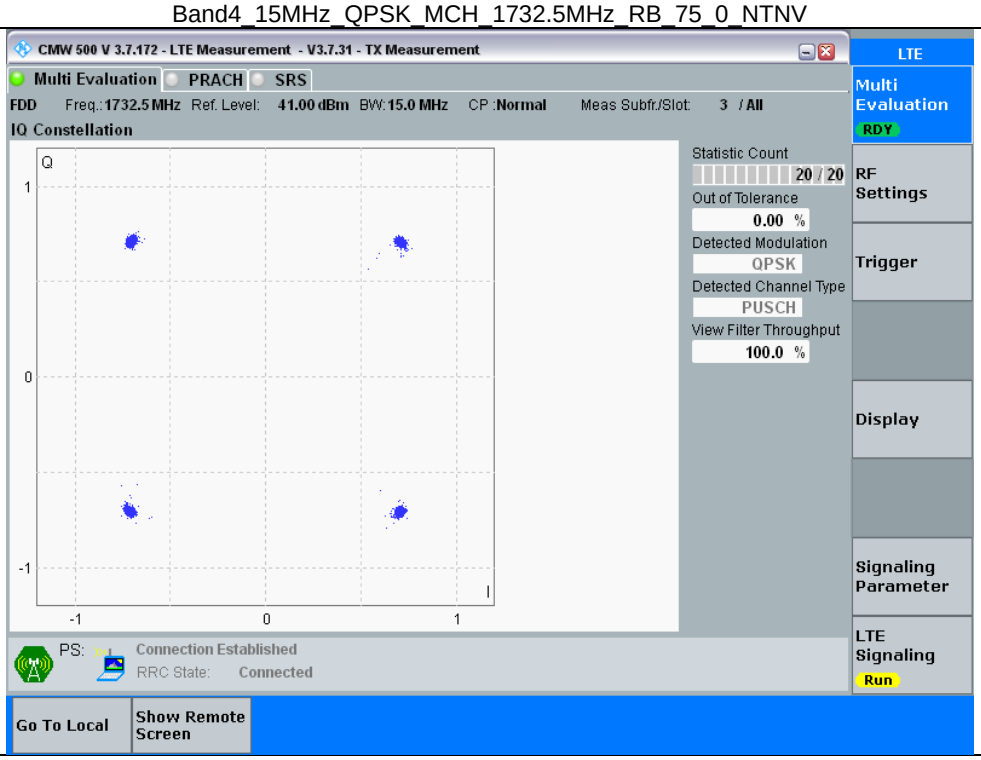


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

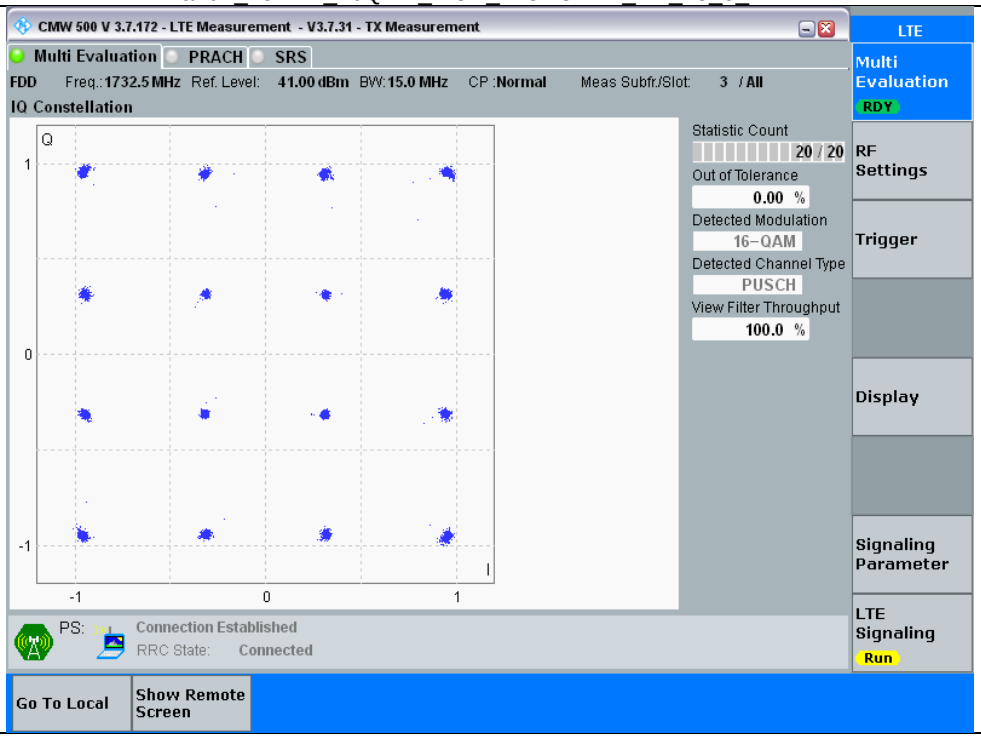


3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

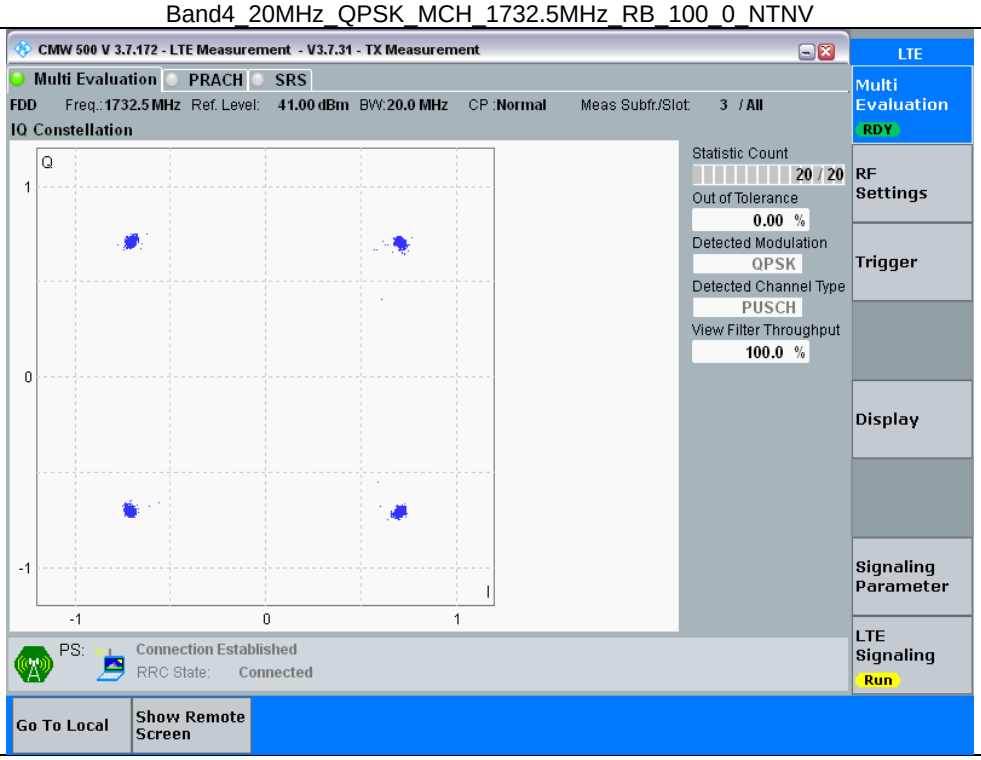


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

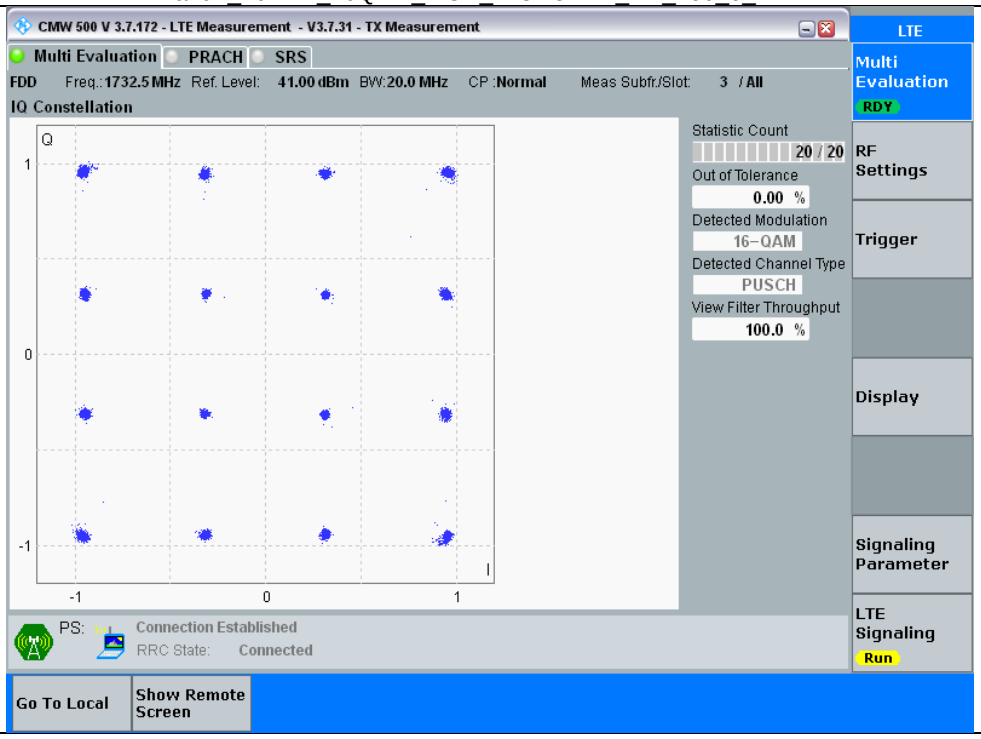


3.2.6 B4_20MHz

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



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	1.112	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.121	/	Pass
	16QAM	1710.7	6	0	1.109	/	Pass
		1732.5	6	0	1.106	/	Pass
		1754.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.725	/	Pass
		1732.5	15	0	2.731	/	Pass
		1753.5	15	0	2.737	/	Pass
	16QAM	1711.5	15	0	2.734	/	Pass
		1732.5	15	0	2.716	/	Pass
		1753.5	15	0	2.737	/	Pass
5	QPSK	1712.5	25	0	4.547	/	Pass
		1732.5	25	0	4.547	/	Pass
		1752.5	25	0	4.554	/	Pass
	16QAM	1712.5	25	0	4.530	/	Pass
		1732.5	25	0	4.551	/	Pass
		1752.5	25	0	4.559	/	Pass
10	QPSK	1715	50	0	9.041	/	Pass
		1732.5	50	0	9.096	/	Pass
		1750	50	0	9.035	/	Pass
	16QAM	1715	50	0	9.046	/	Pass
		1732.5	50	0	9.042	/	Pass
		1750	50	0	9.048	/	Pass
15	QPSK	1717.5	75	0	13.579	/	Pass
		1732.5	75	0	13.551	/	Pass
		1747.5	75	0	13.581	/	Pass
	16QAM	1717.5	75	0	13.584	/	Pass
		1732.5	75	0	13.578	/	Pass
		1747.5	75	0	13.589	/	Pass
20	QPSK	1720	100	0	18.134	/	Pass
		1732.5	100	0	18.103	/	Pass
		1745	100	0	18.053	/	Pass
	16QAM	1720	100	0	18.082	/	Pass
		1732.5	100	0	18.165	/	Pass
		1745	100	0	18.083	/	Pass

4.1.2 Band4_XDB

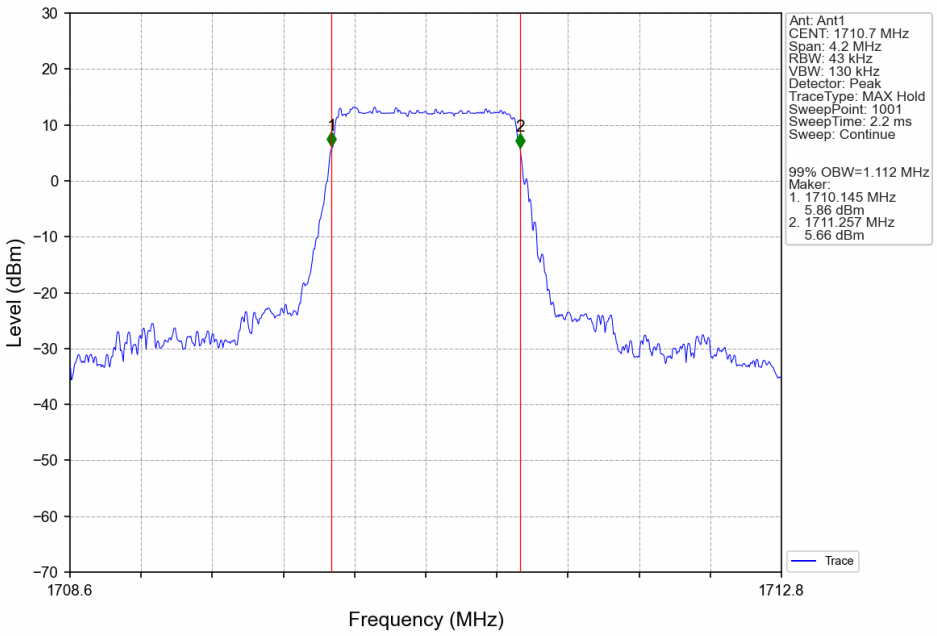
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.324	/	Pass
		1732.5	6	0	1.329	/	Pass
		1754.3	6	0	1.321	/	Pass

	16QAM	1710.7	6	0	1.309	/	Pass
		1732.5	6	0	1.322	/	Pass
		1754.3	6	0	1.322	/	Pass
3	QPSK	1711.5	15	0	3.011	/	Pass
		1732.5	15	0	2.998	/	Pass
		1753.5	15	0	3.021	/	Pass
	16QAM	1711.5	15	0	3.030	/	Pass
		1732.5	15	0	2.996	/	Pass
		1753.5	15	0	3.012	/	Pass
5	QPSK	1712.5	25	0	5.056	/	Pass
		1732.5	25	0	5.032	/	Pass
		1752.5	25	0	5.044	/	Pass
	16QAM	1712.5	25	0	5.034	/	Pass
		1732.5	25	0	5.045	/	Pass
		1752.5	25	0	5.074	/	Pass
10	QPSK	1715	50	0	9.947	/	Pass
		1732.5	50	0	9.934	/	Pass
		1750	50	0	9.984	/	Pass
	16QAM	1715	50	0	9.959	/	Pass
		1732.5	50	0	9.942	/	Pass
		1750	50	0	9.916	/	Pass
15	QPSK	1717.5	75	0	14.941	/	Pass
		1732.5	75	0	14.952	/	Pass
		1747.5	75	0	14.985	/	Pass
	16QAM	1717.5	75	0	15.270	/	Pass
		1732.5	75	0	14.873	/	Pass
		1747.5	75	0	14.916	/	Pass
20	QPSK	1720	100	0	19.805	/	Pass
		1732.5	100	0	19.697	/	Pass
		1745	100	0	19.678	/	Pass
	16QAM	1720	100	0	19.751	/	Pass
		1732.5	100	0	19.755	/	Pass
		1745	100	0	19.914	/	Pass

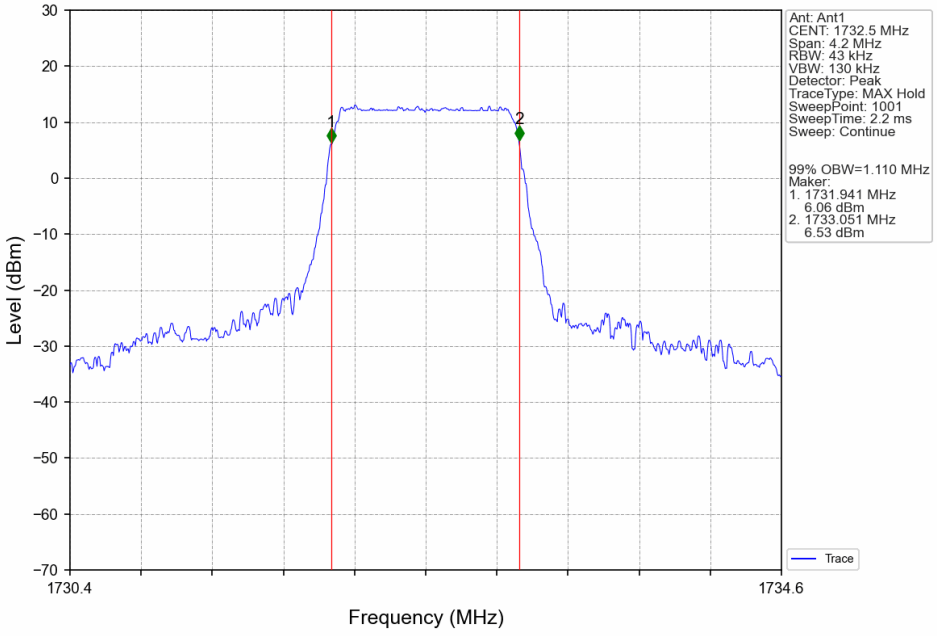
4.2 Test Graph

4.2.1 Band4_OBW

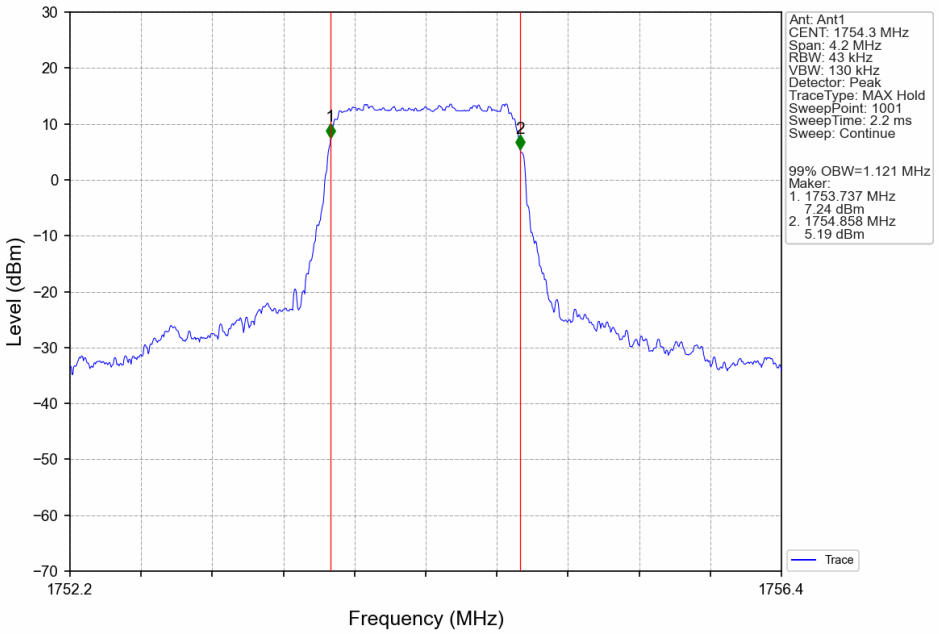
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



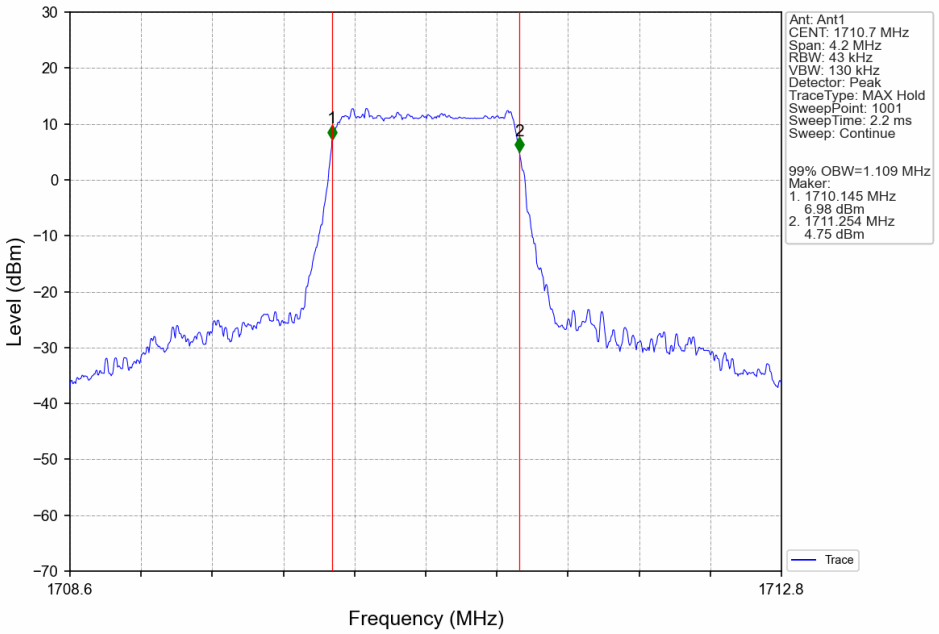
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



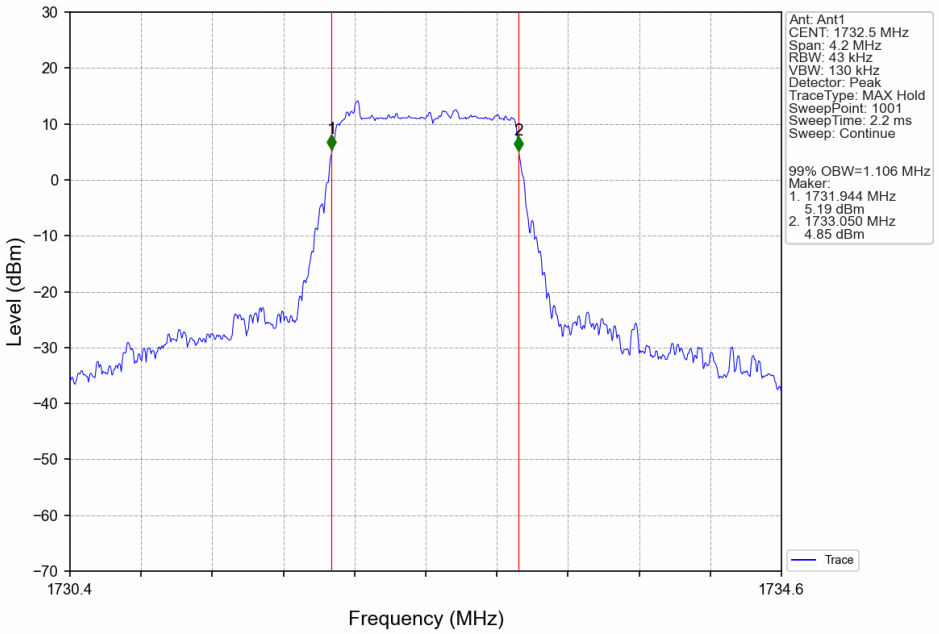
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



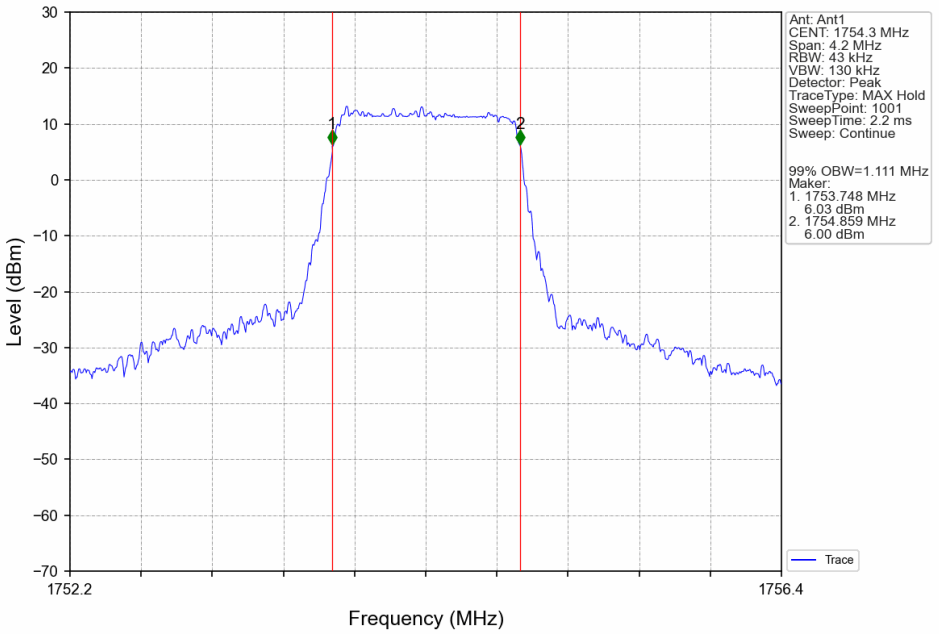
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



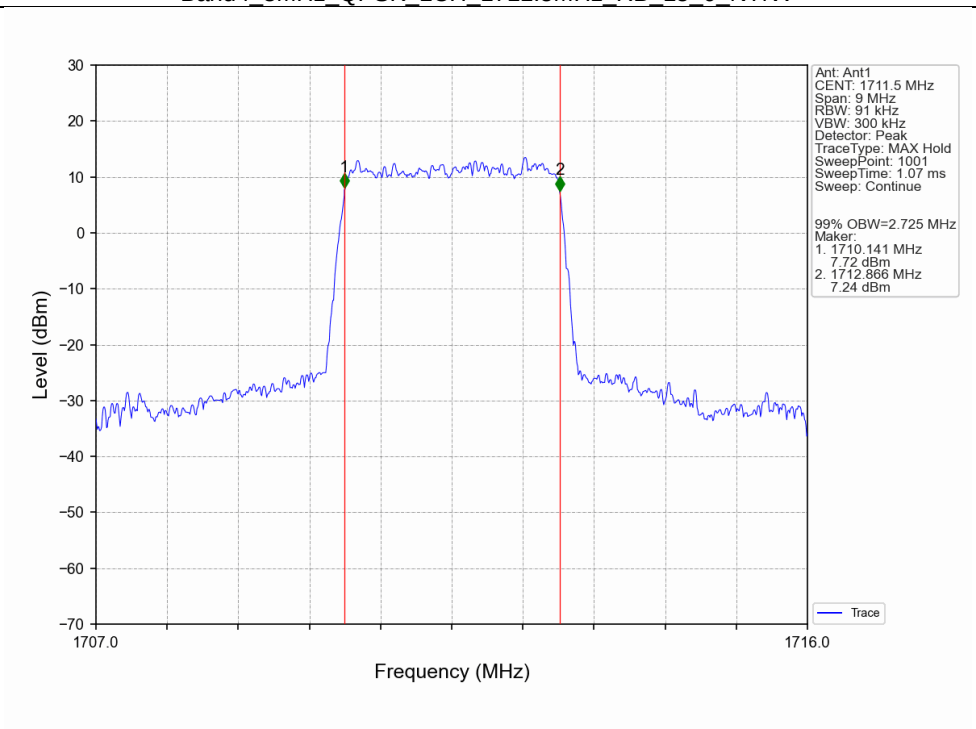
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



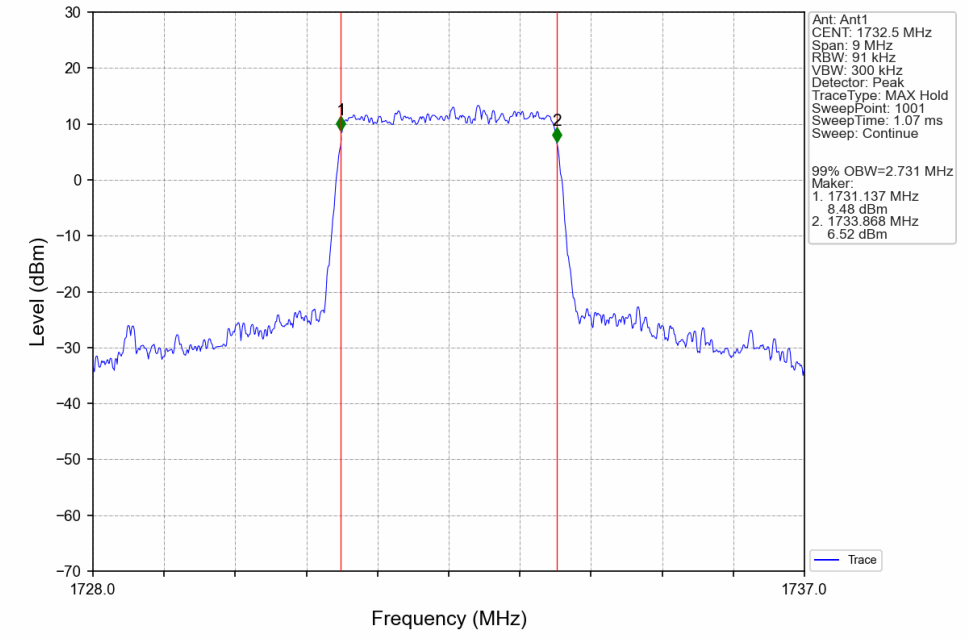
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



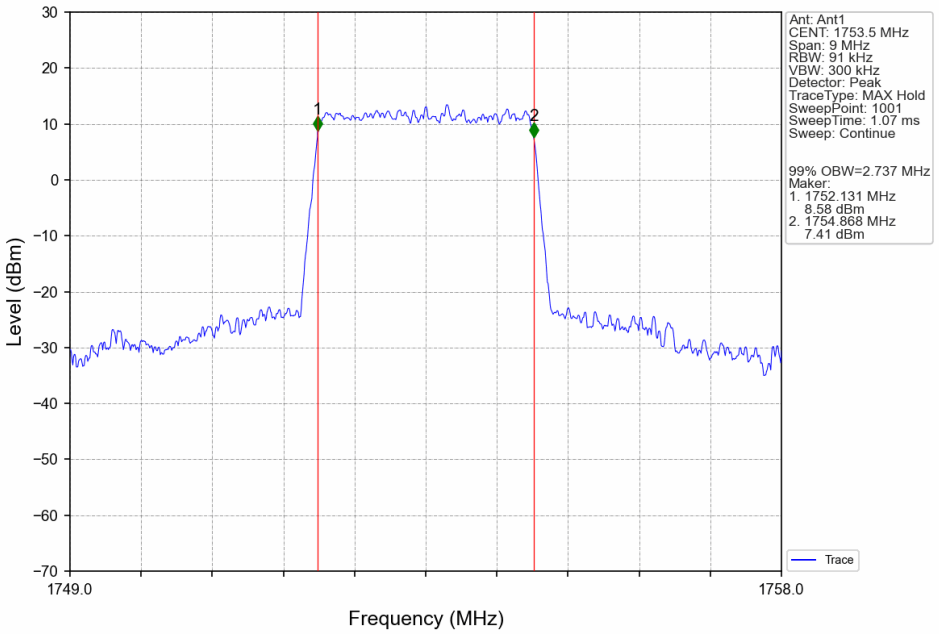
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



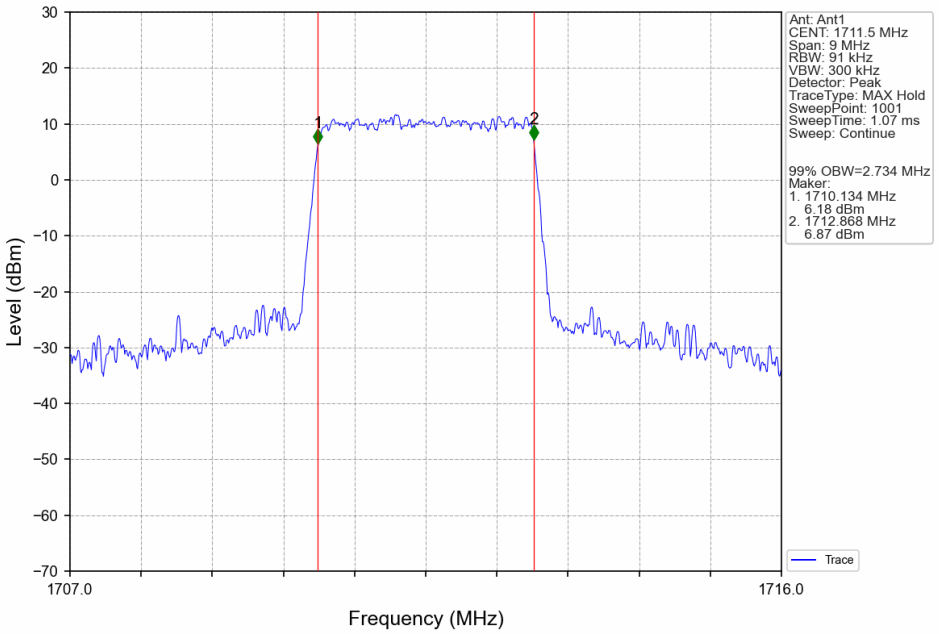
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



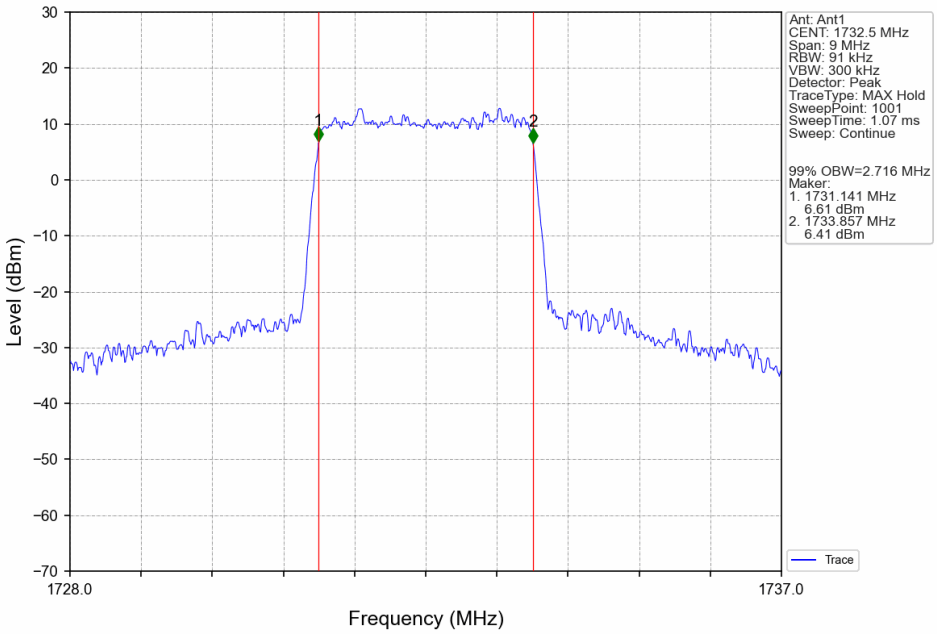
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



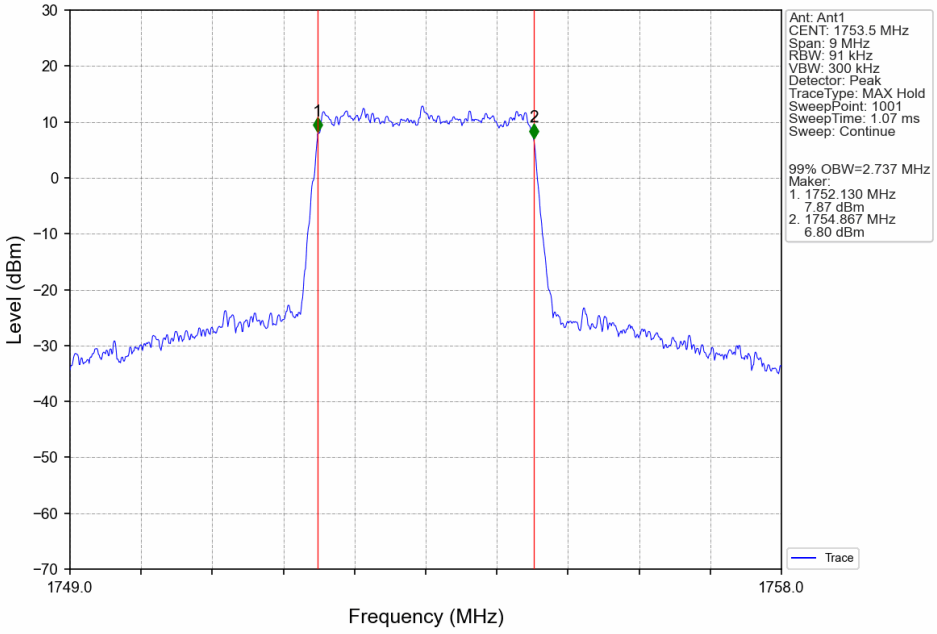
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



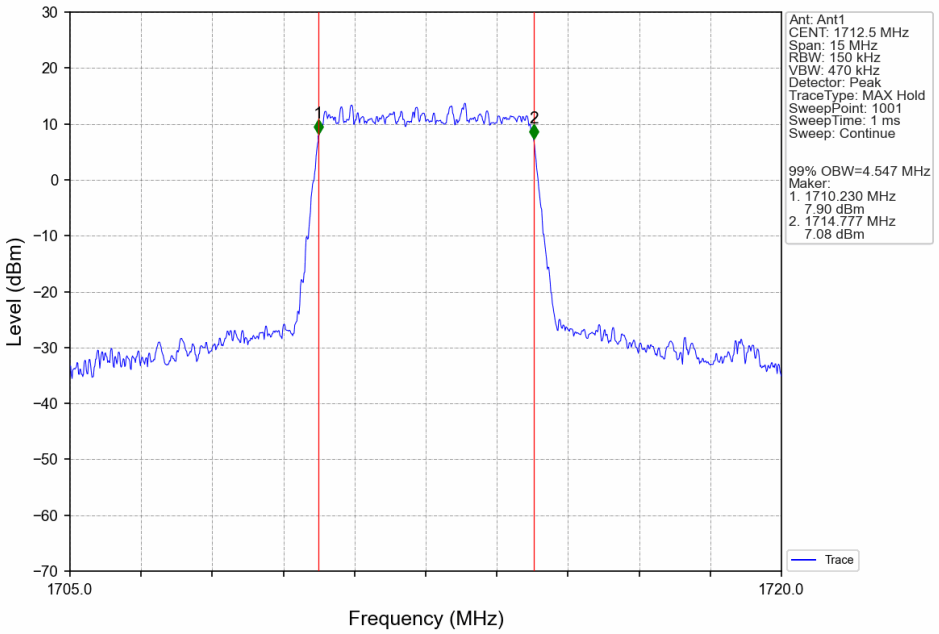
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



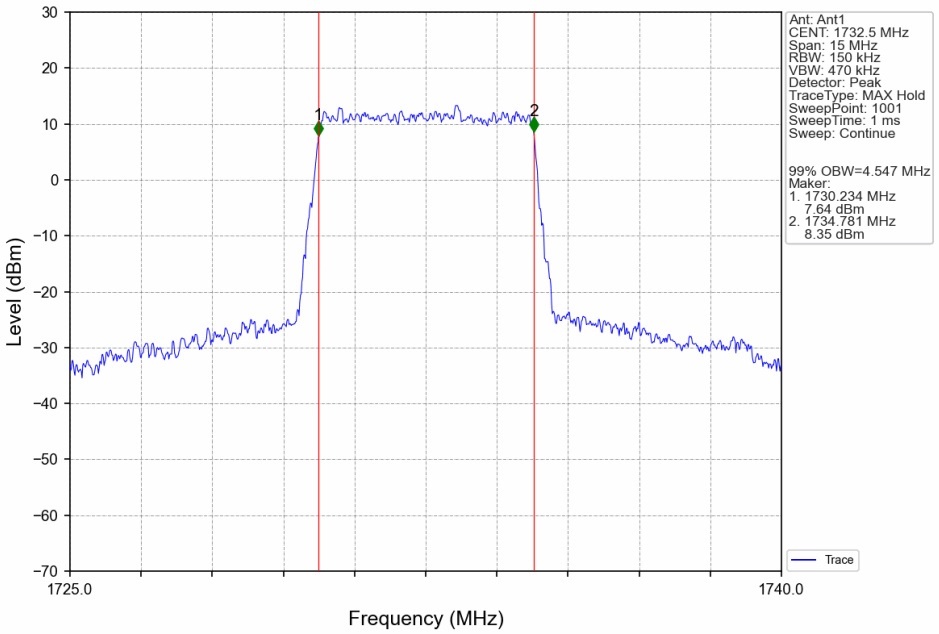
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



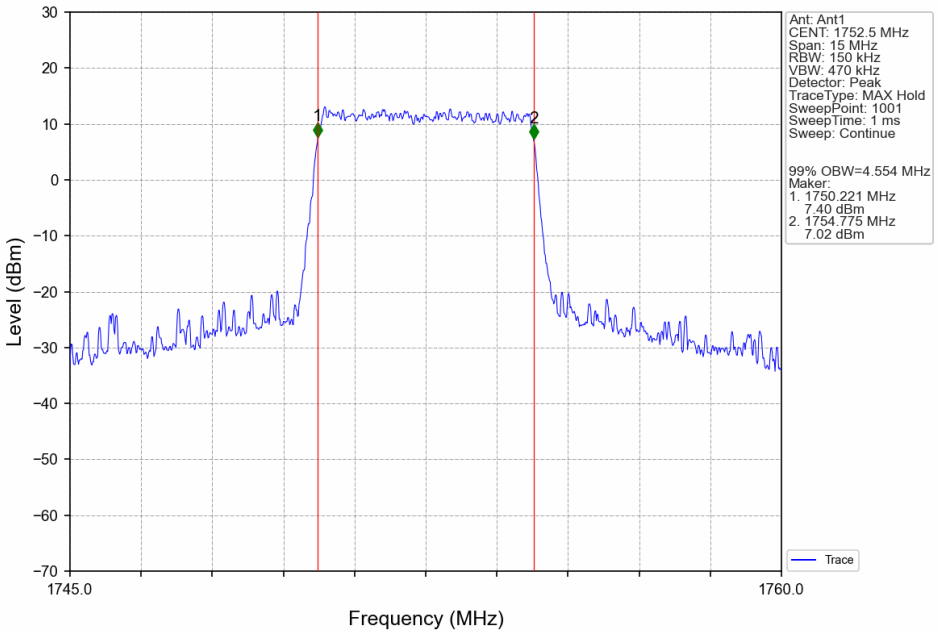
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



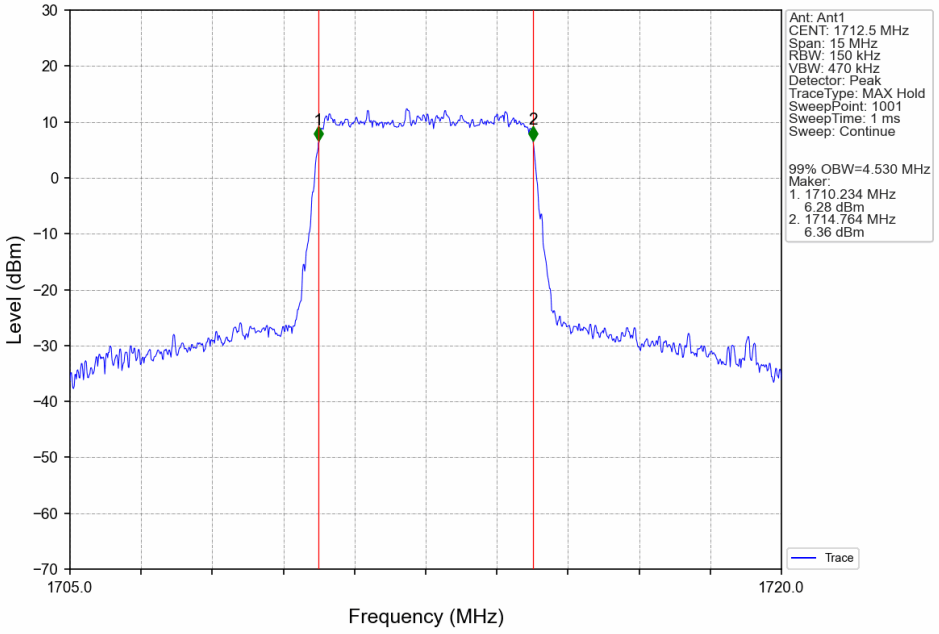
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



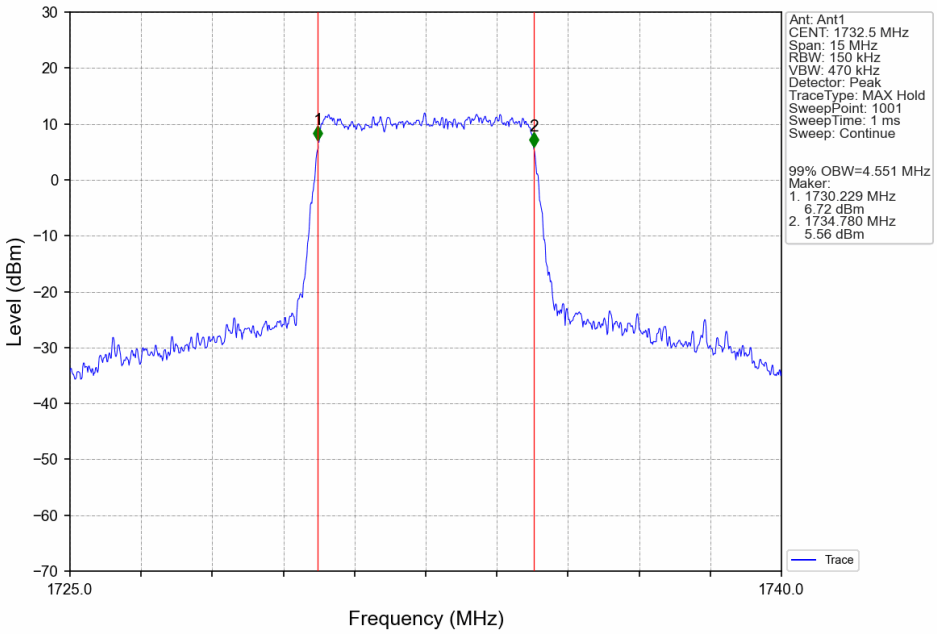
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



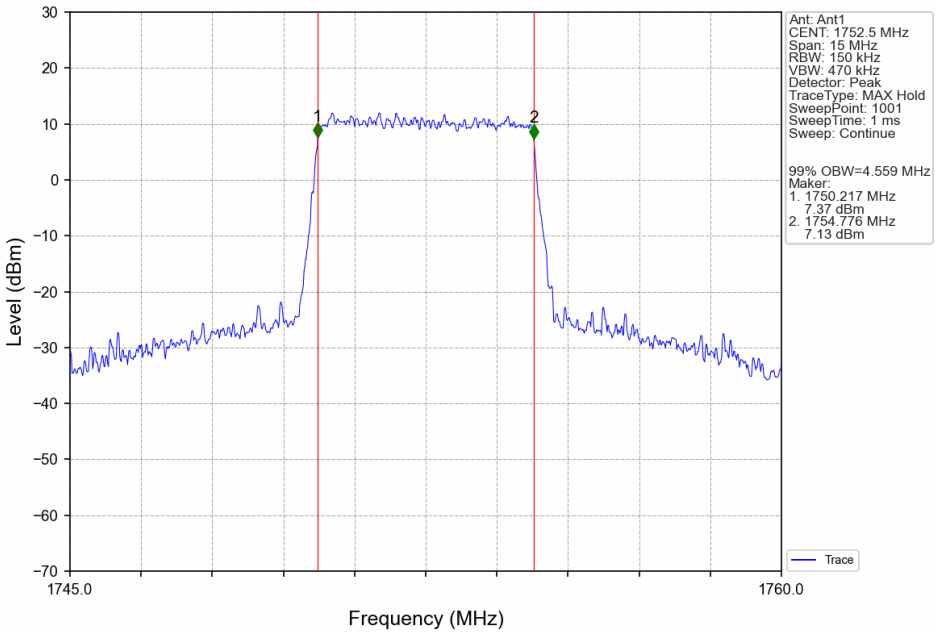
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



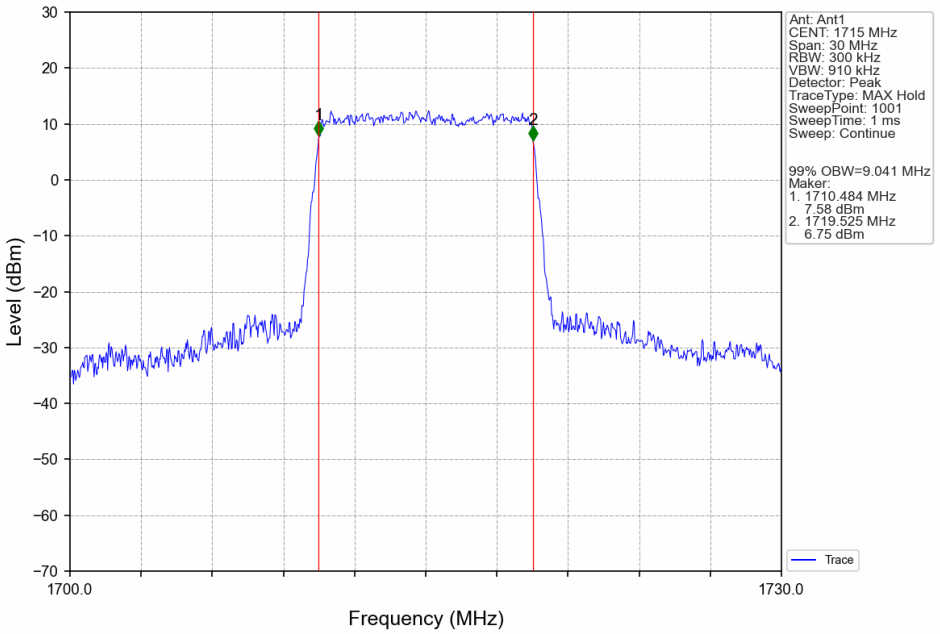
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



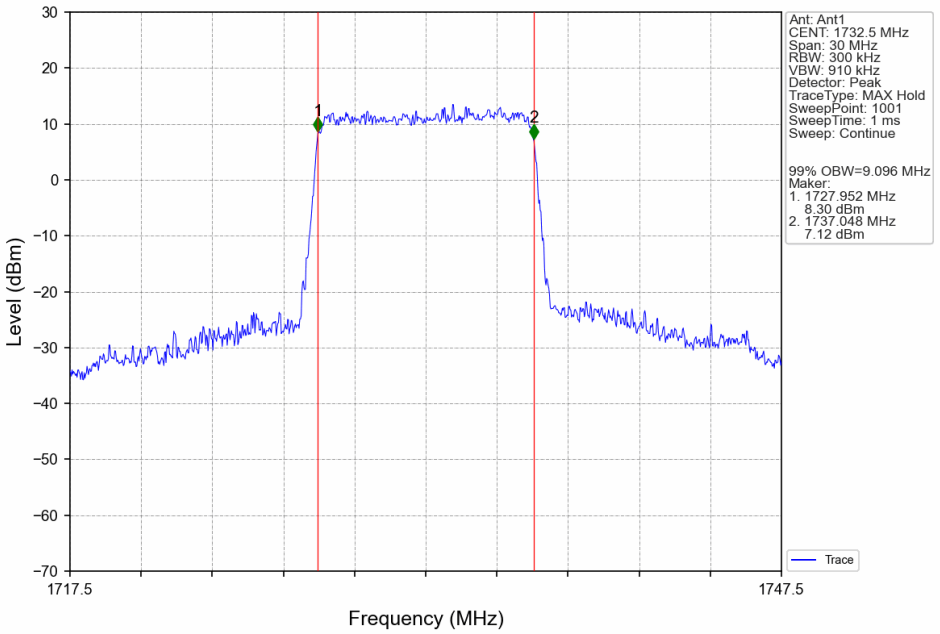
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



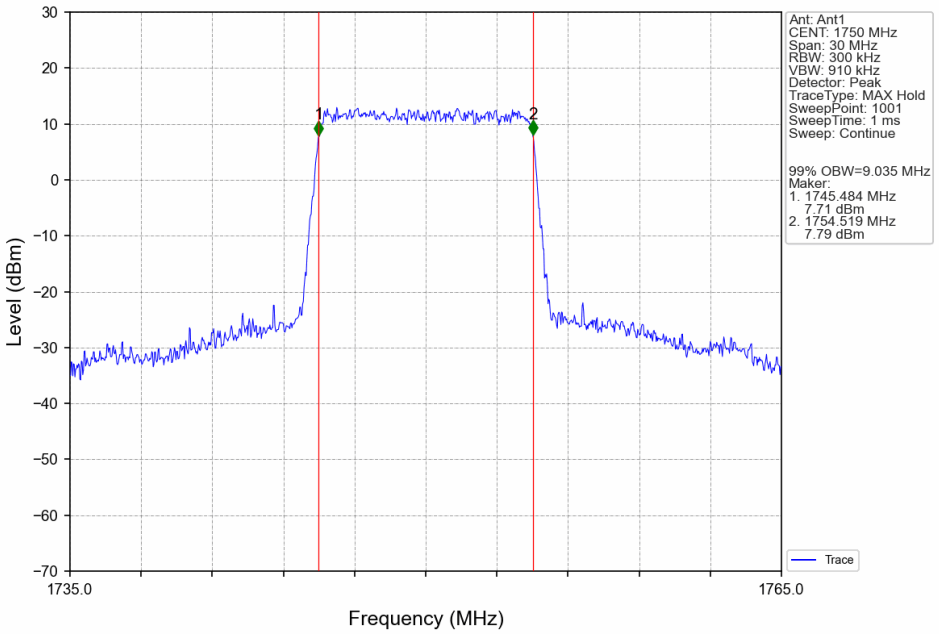
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



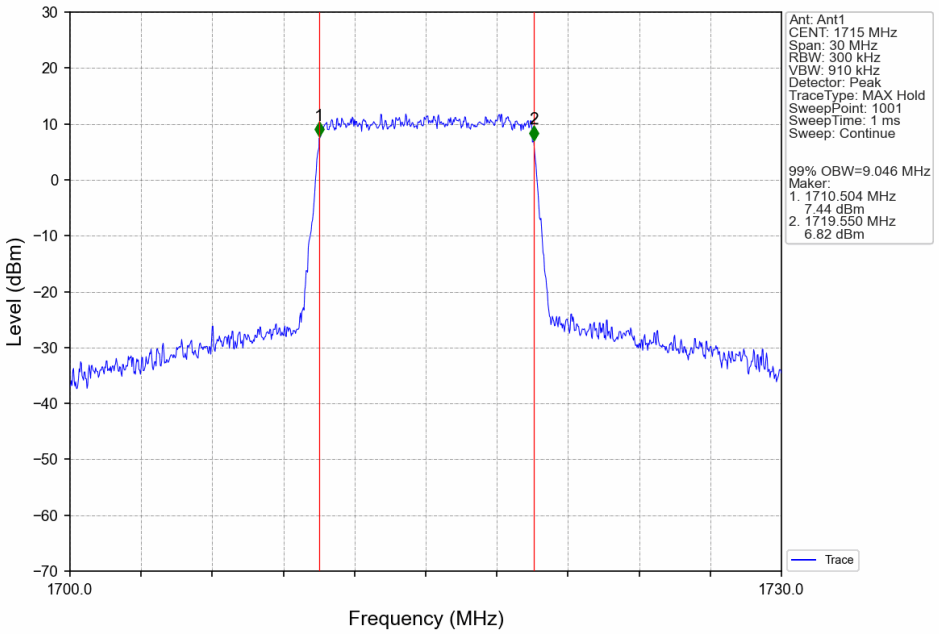
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



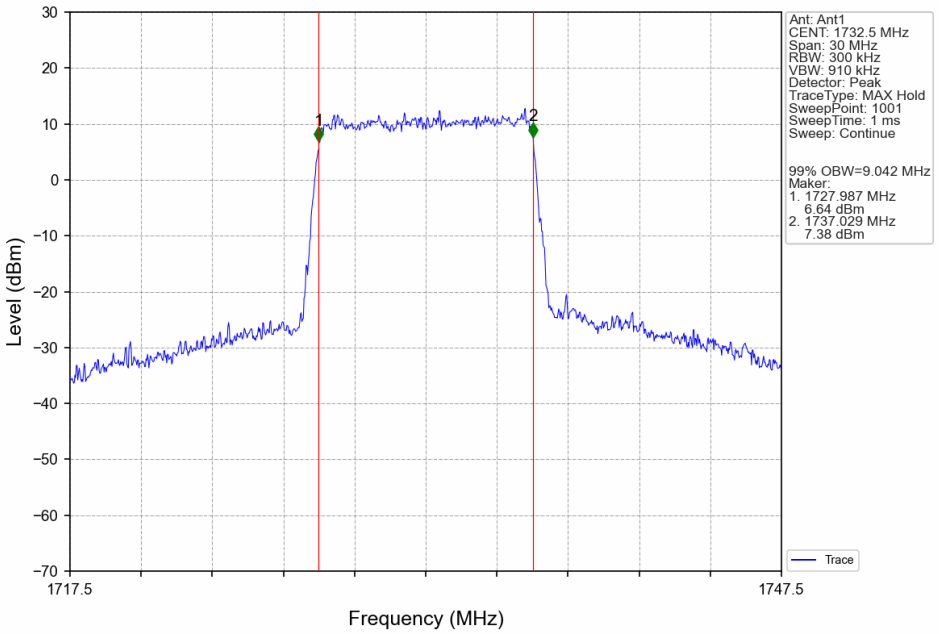
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



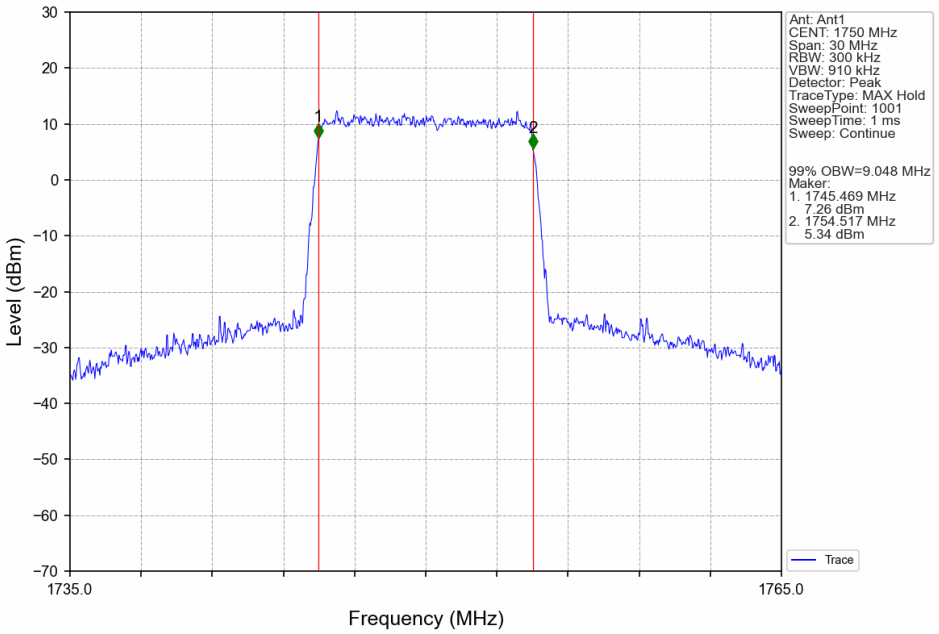
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



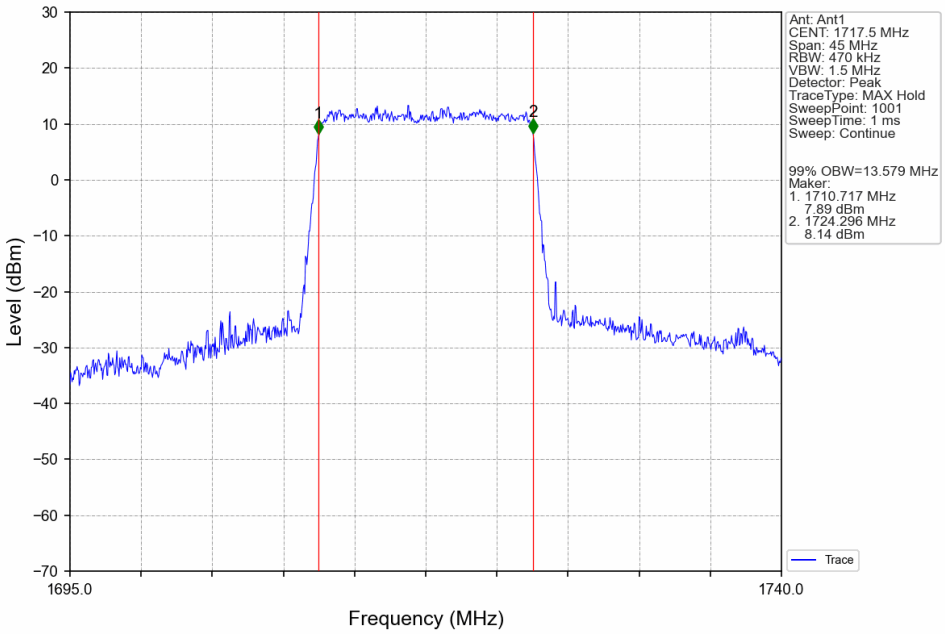
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



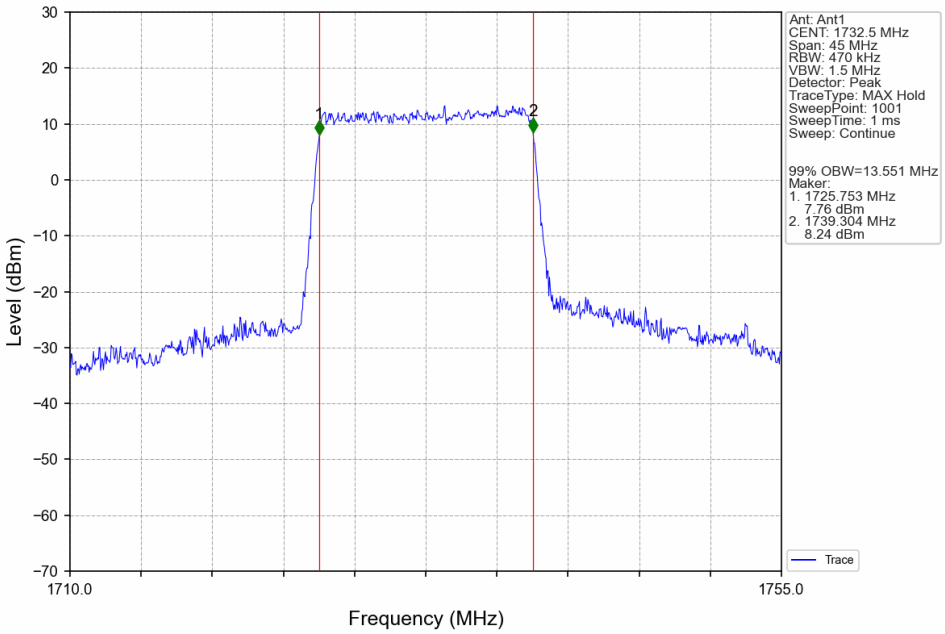
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



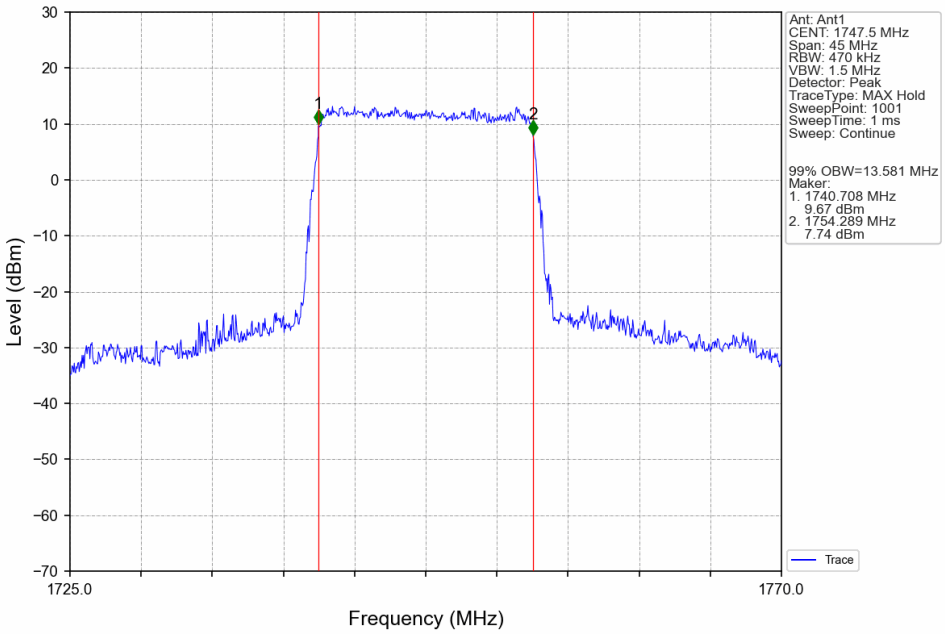
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



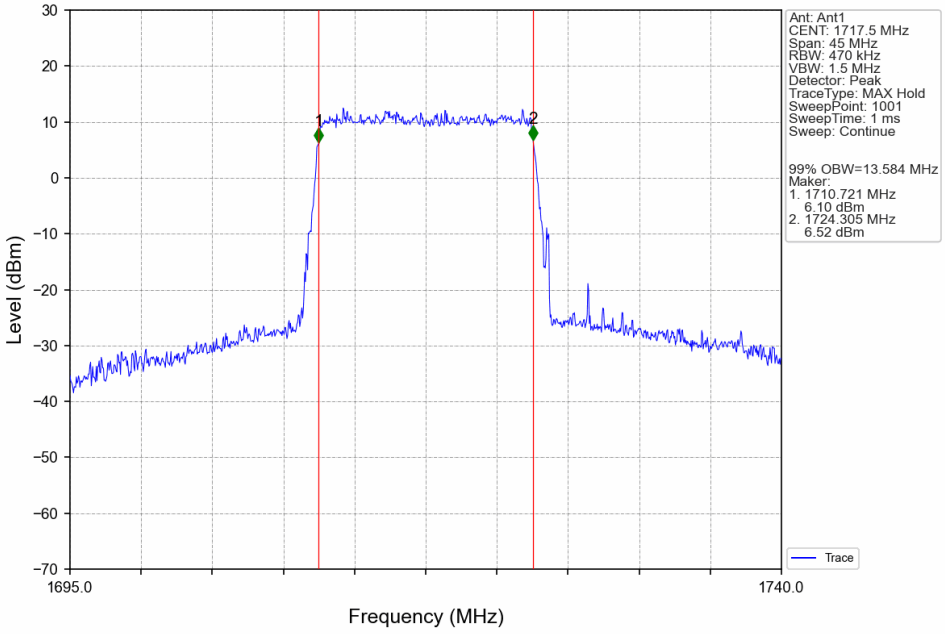
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



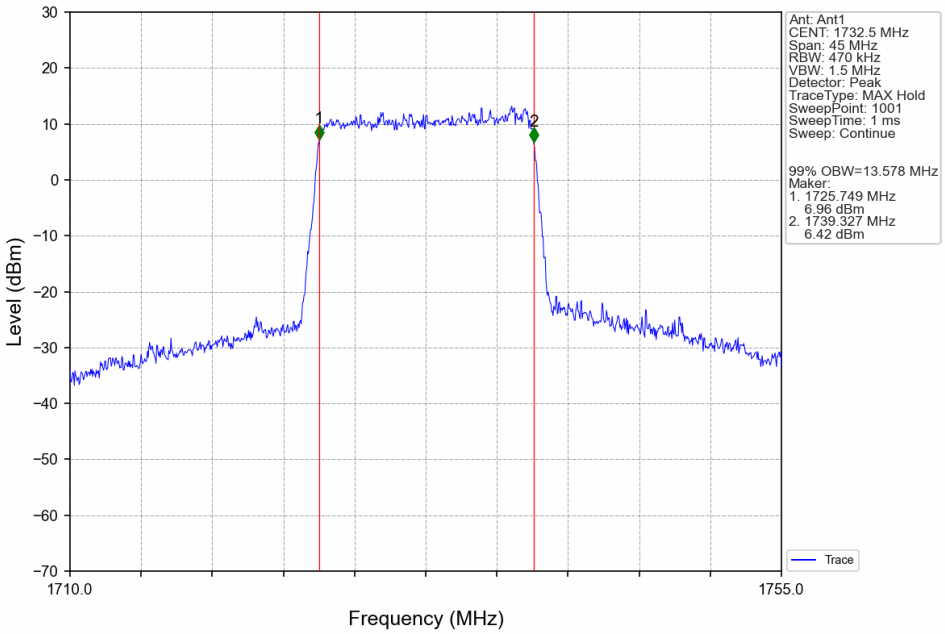
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



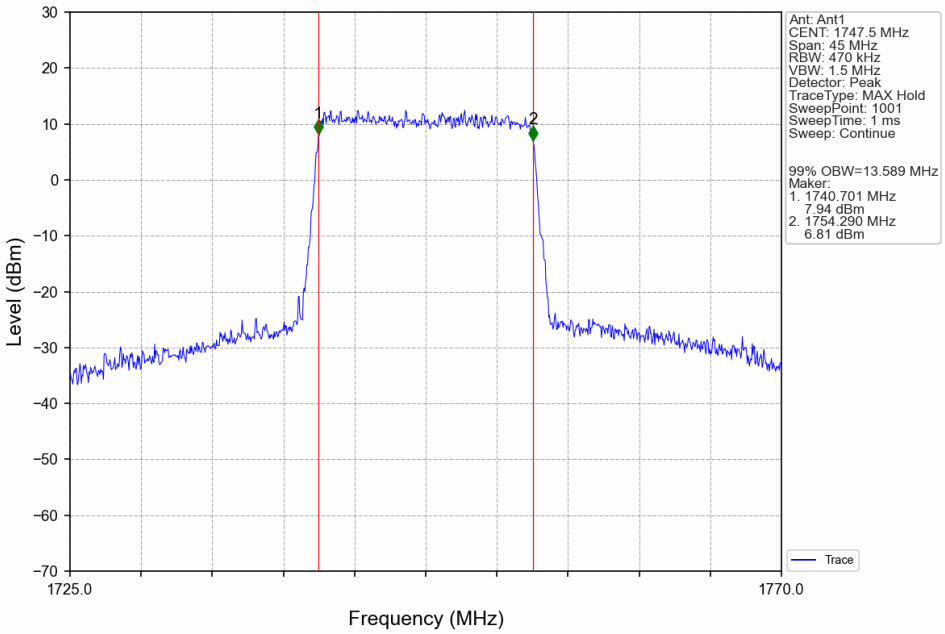
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



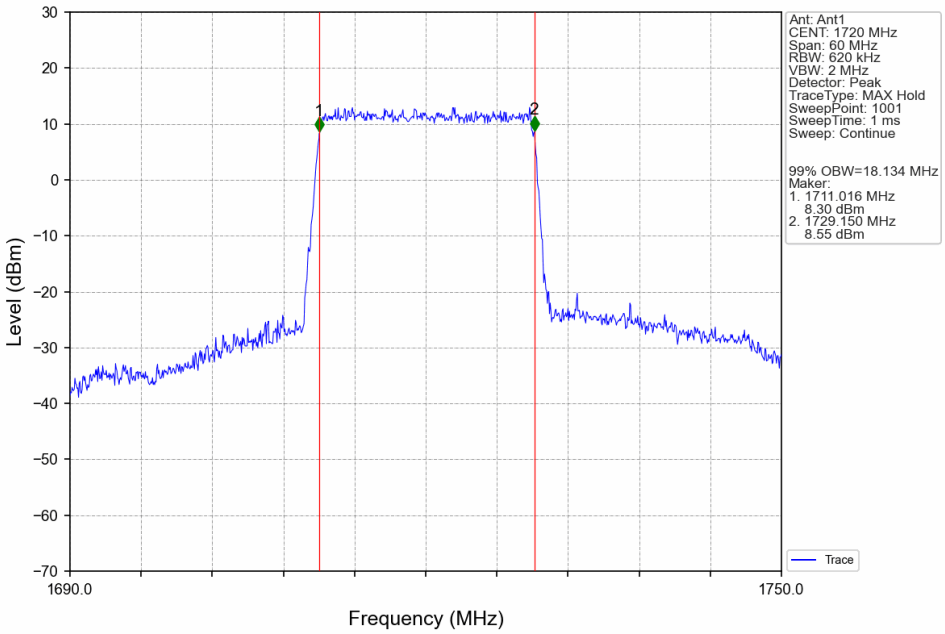
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



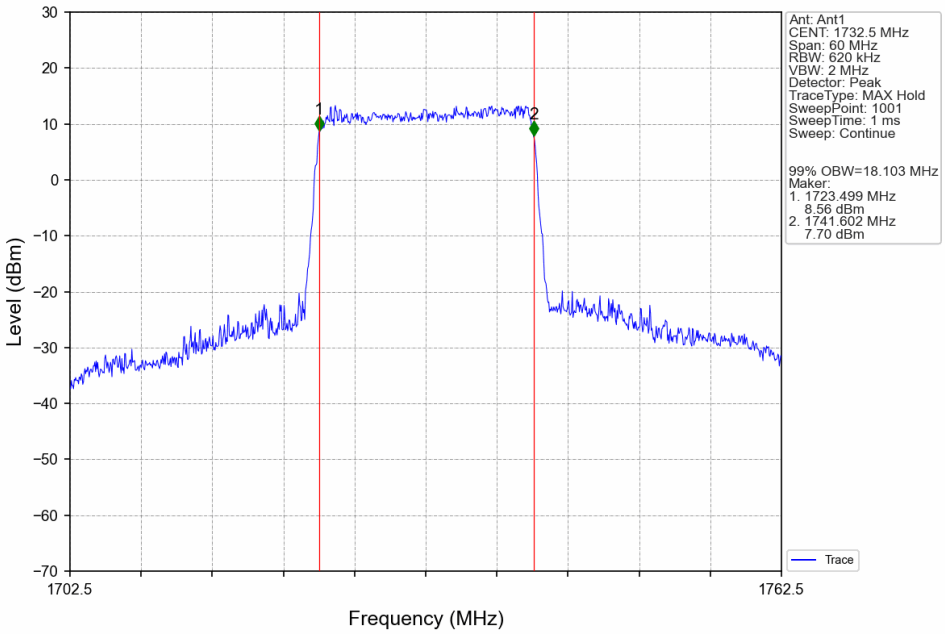
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



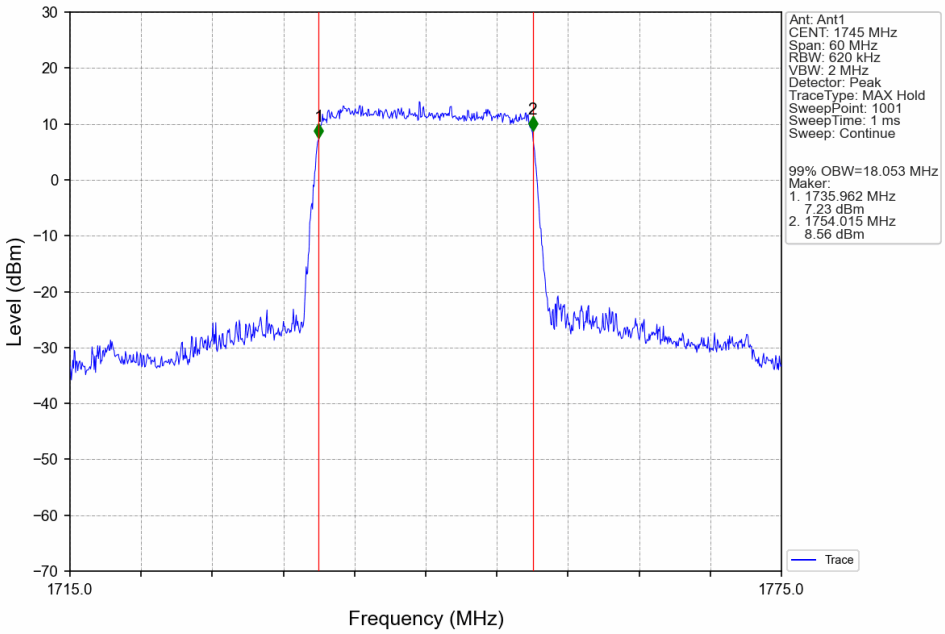
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



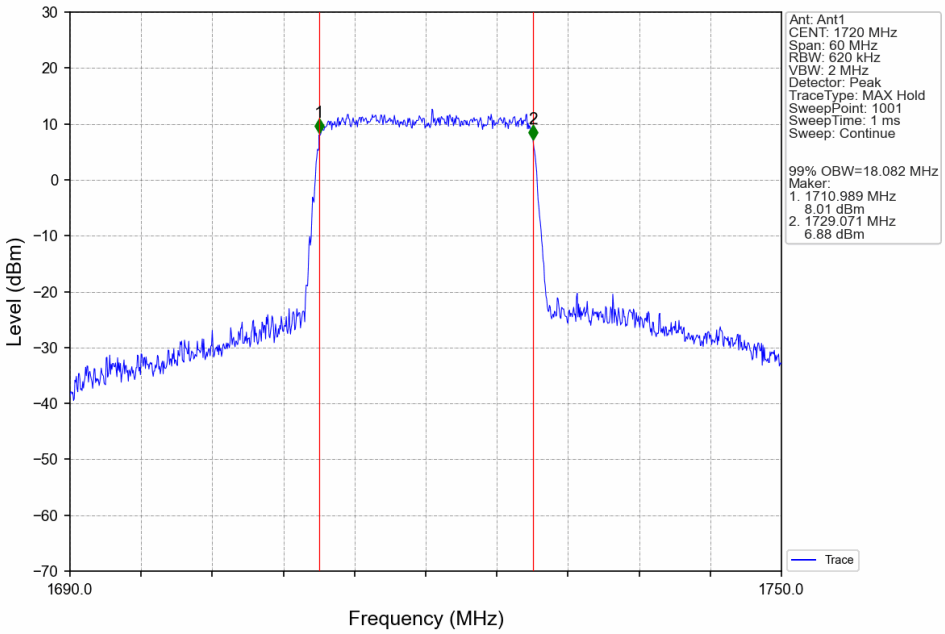
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



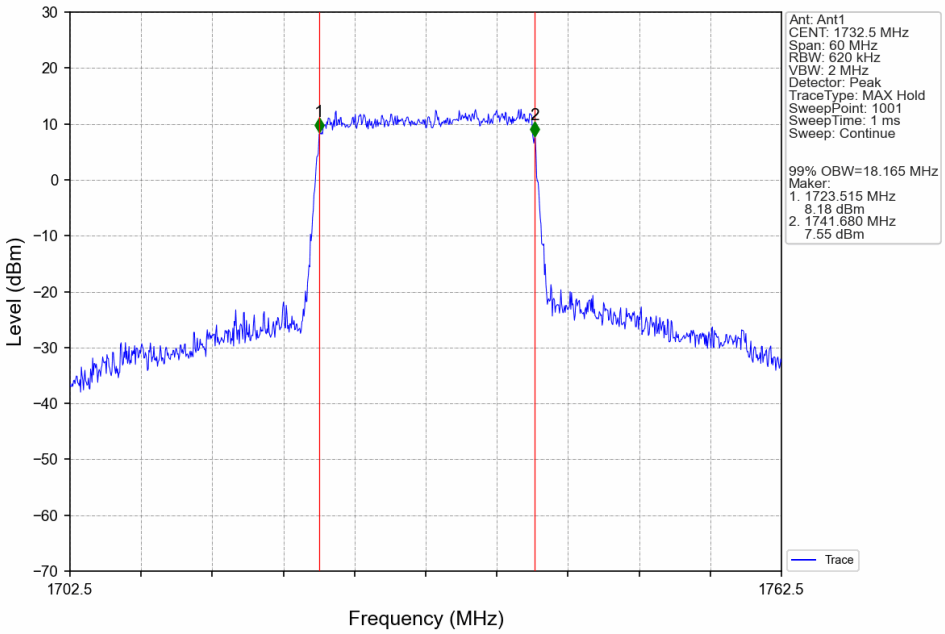
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



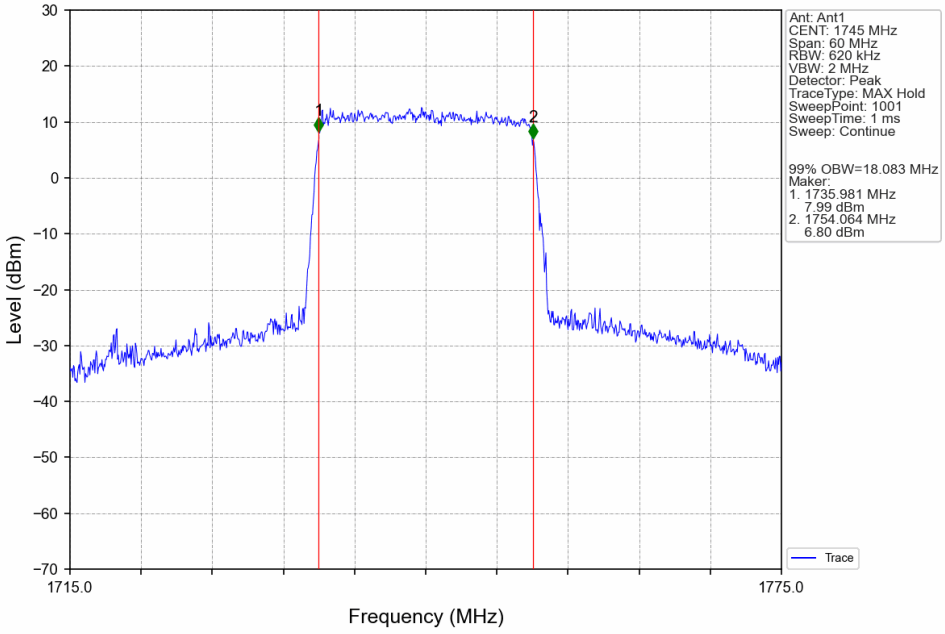
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

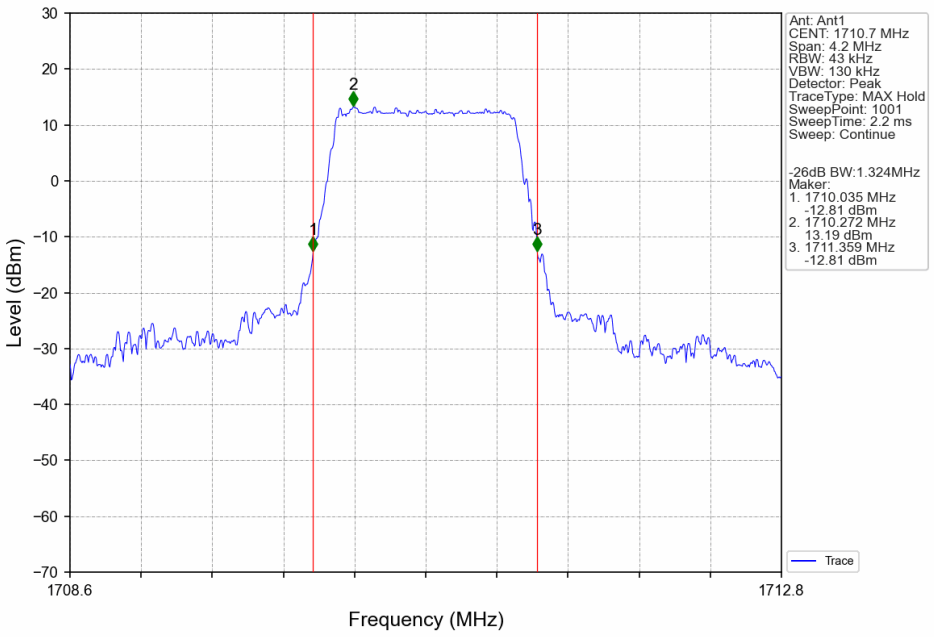


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

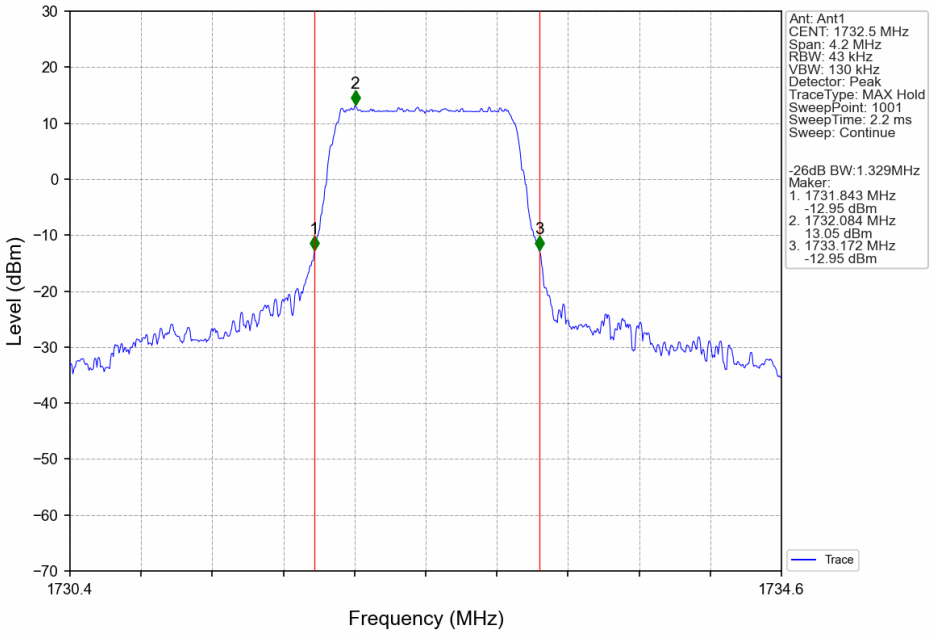


4.2.2 Band4_XDB

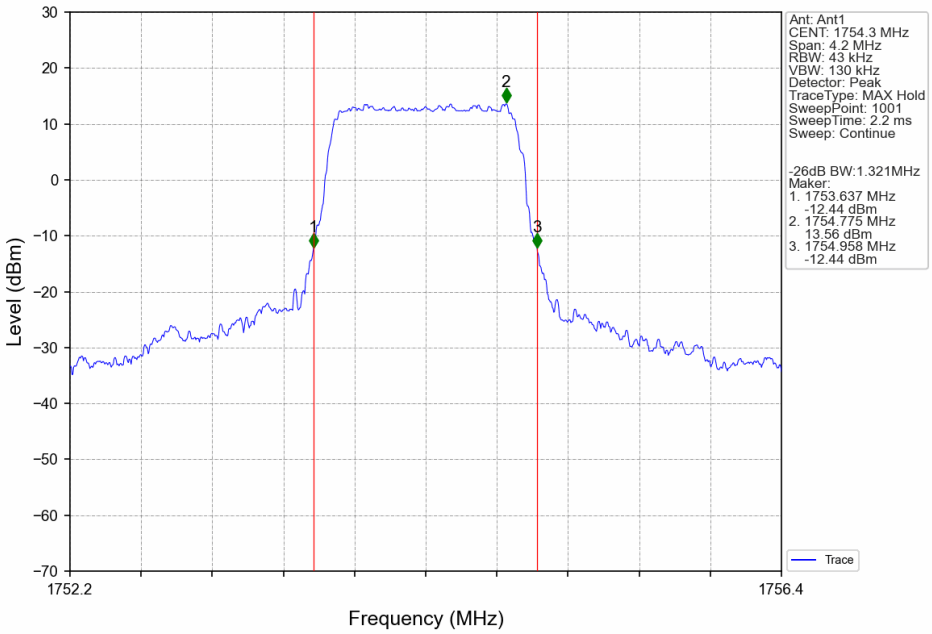
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



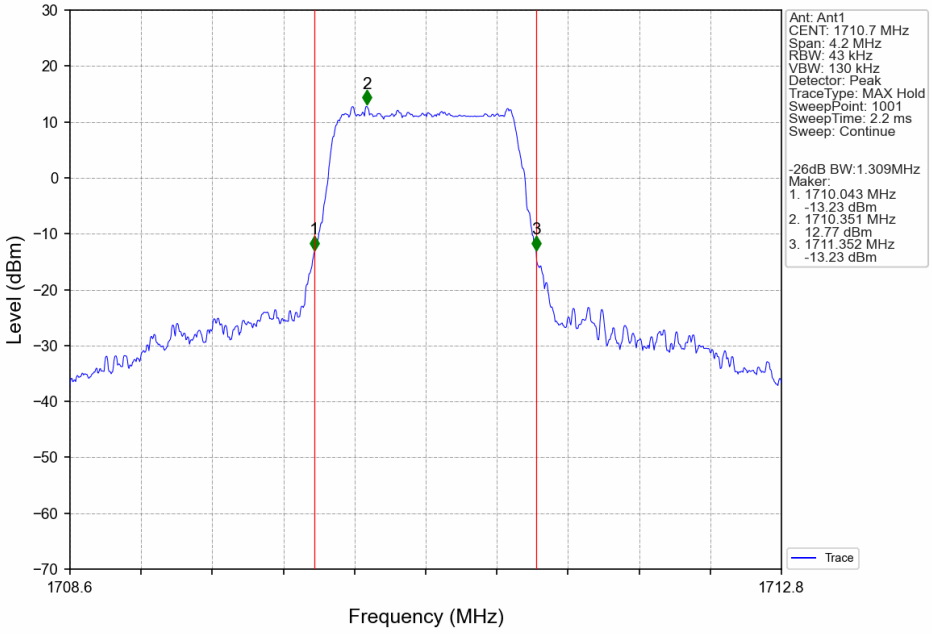
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



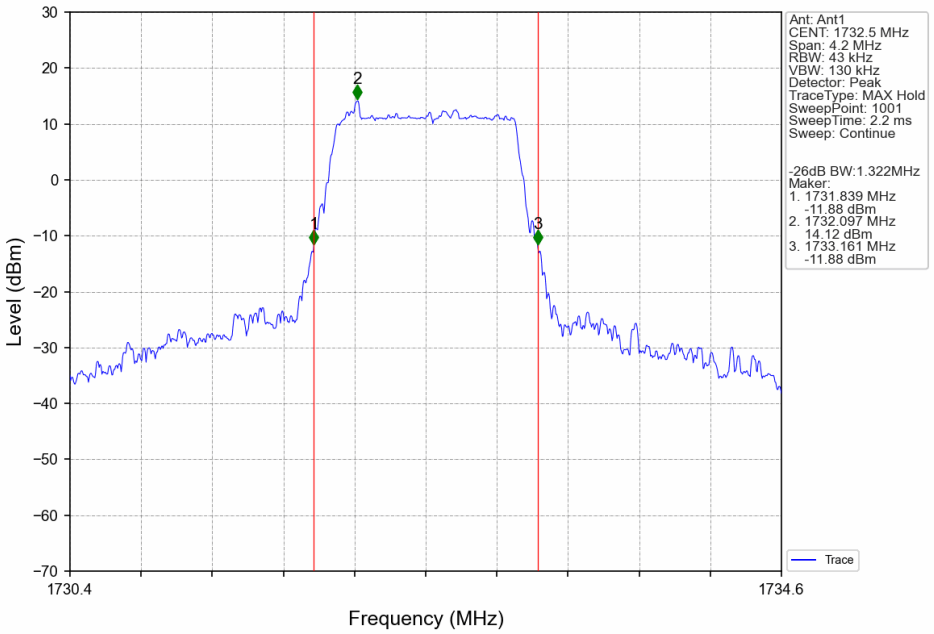
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



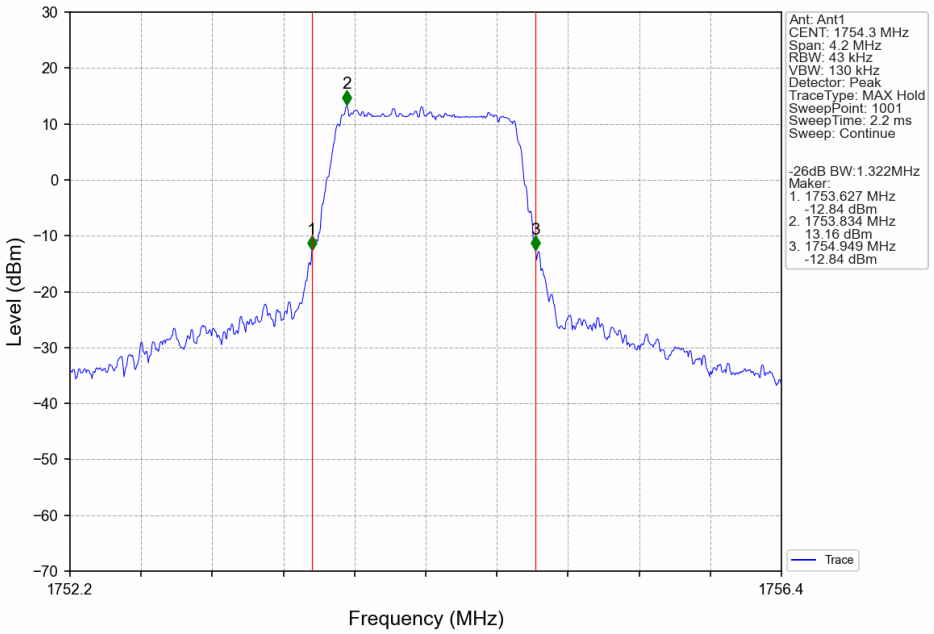
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



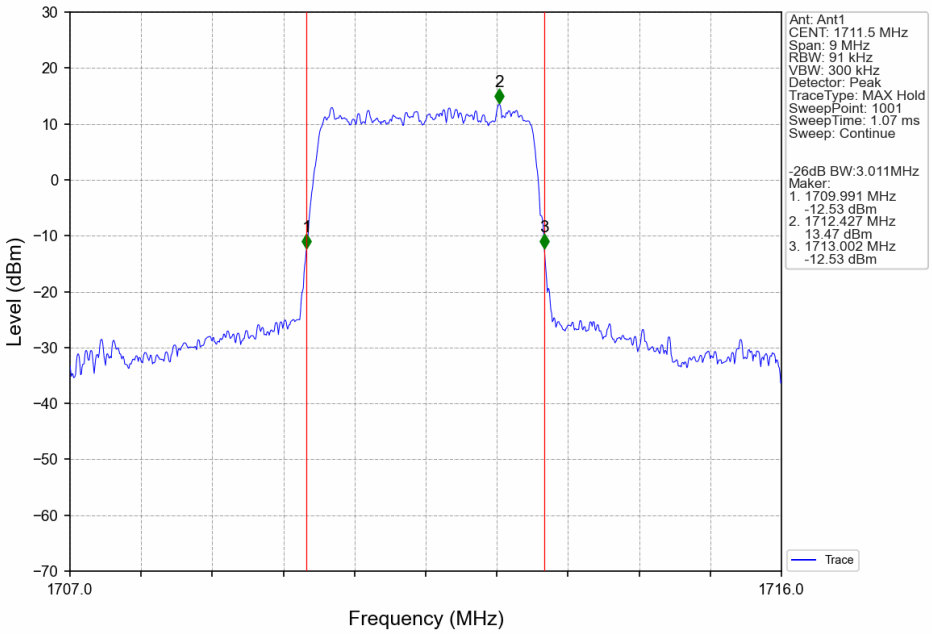
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



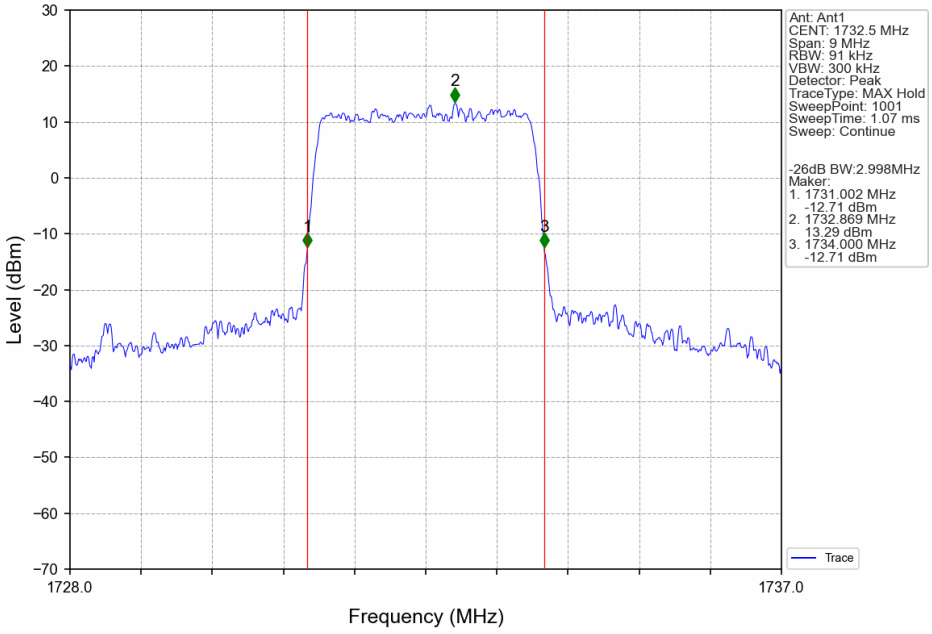
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



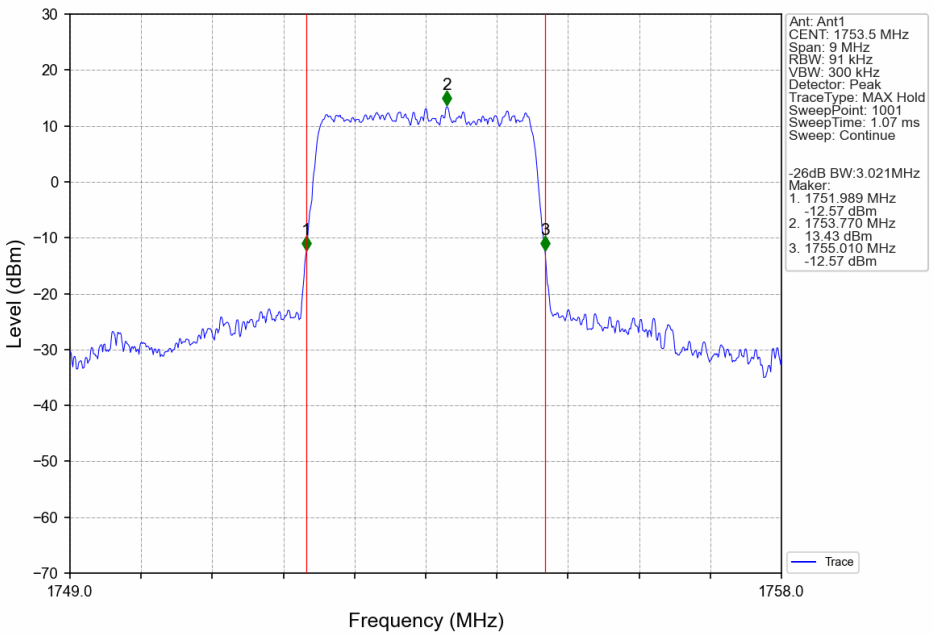
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



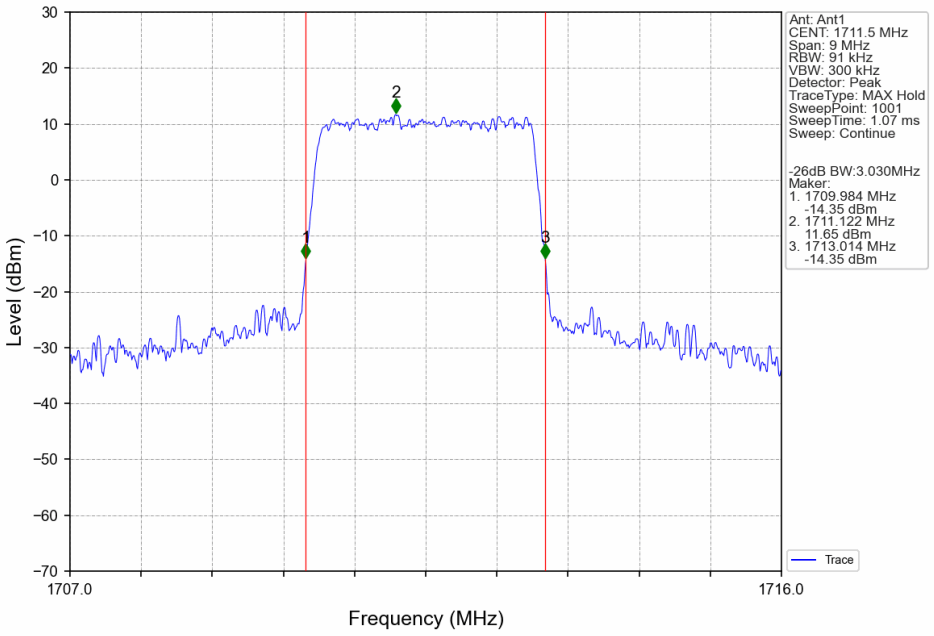
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



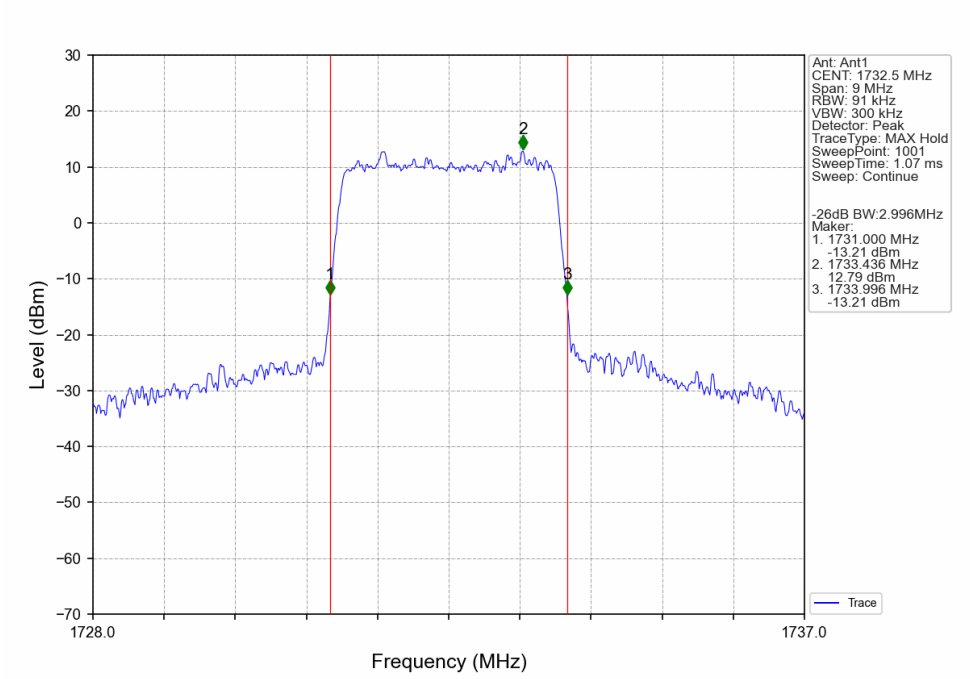
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



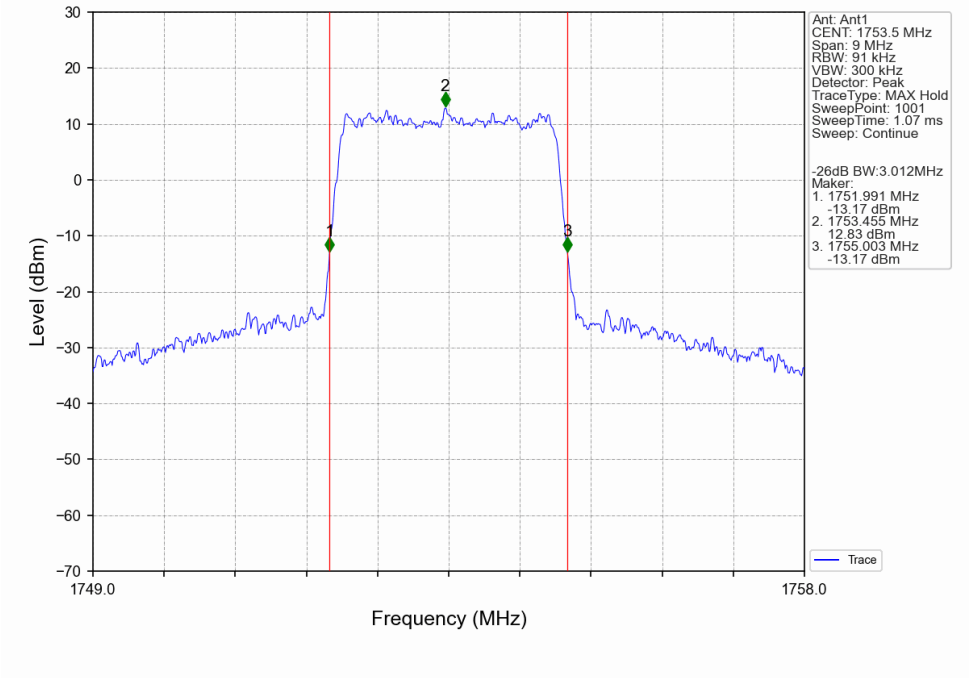
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



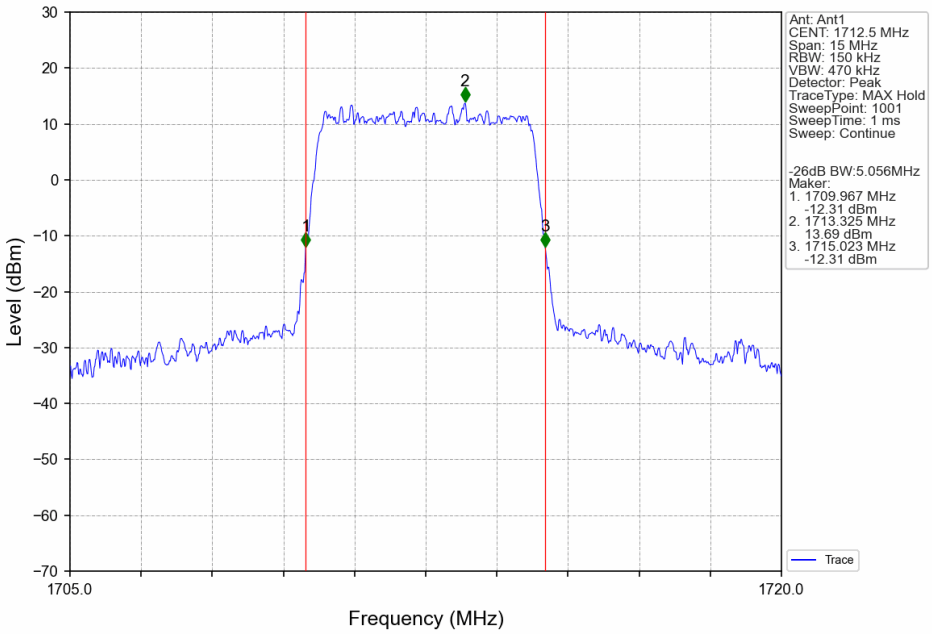
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



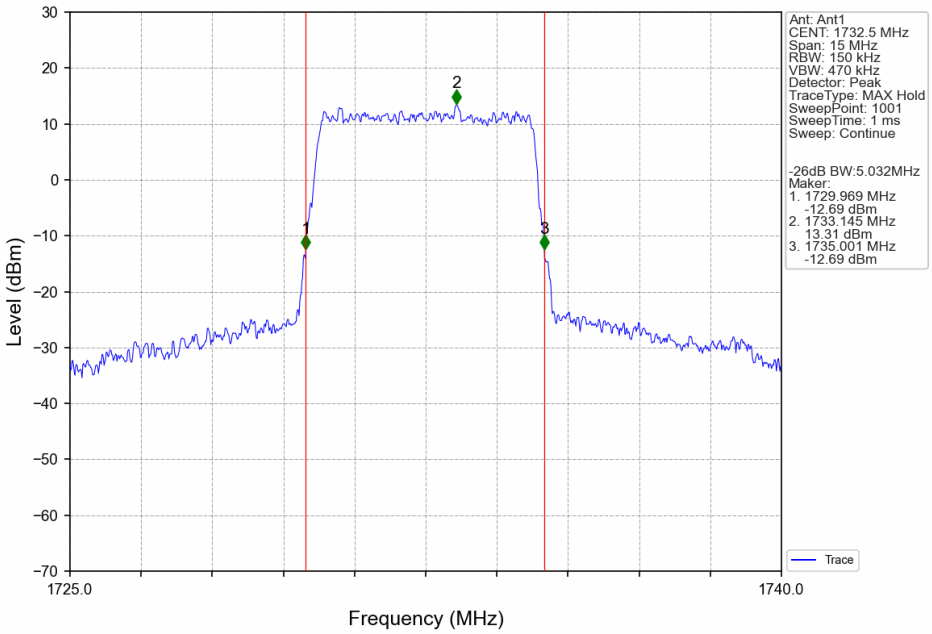
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



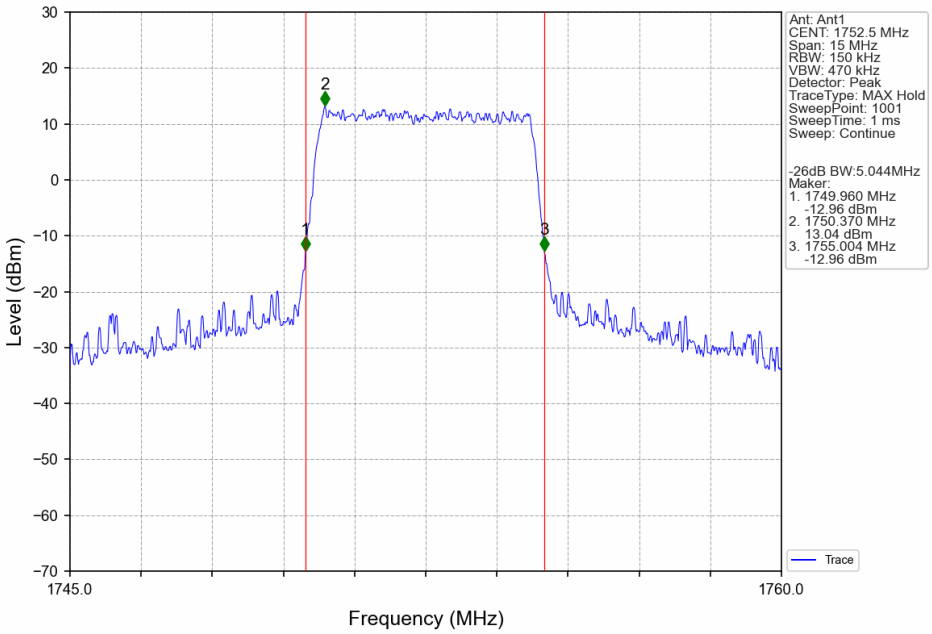
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



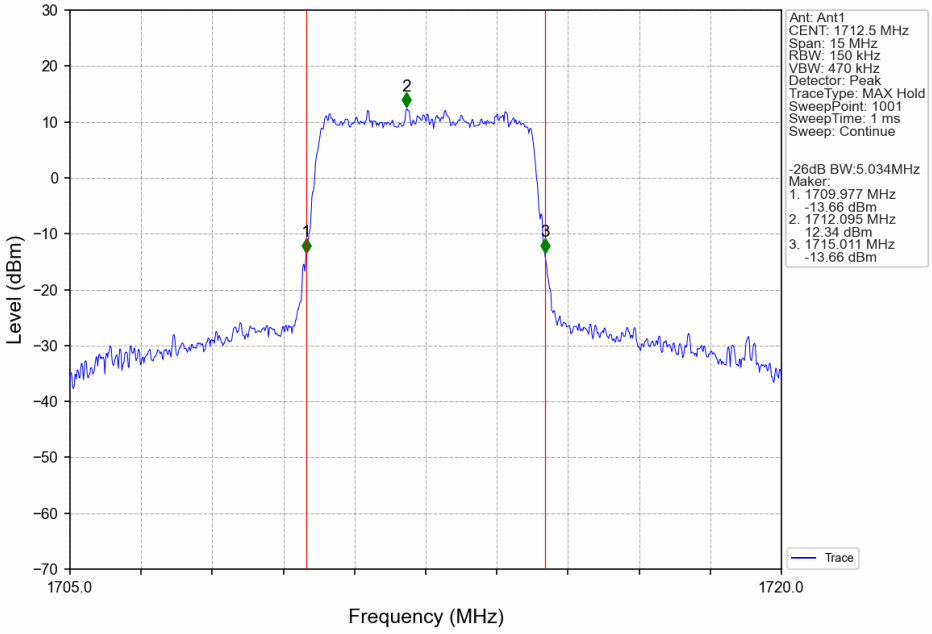
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



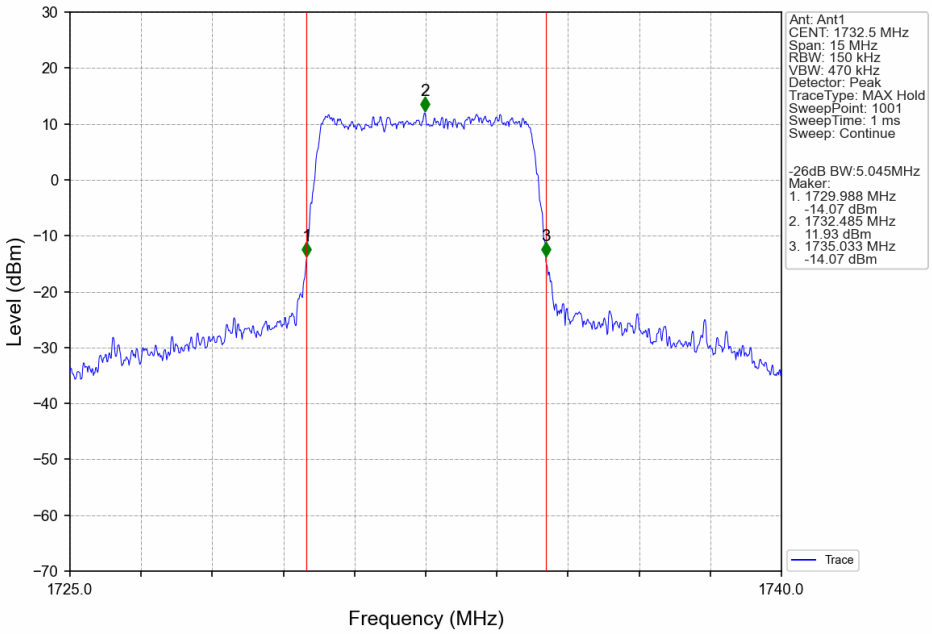
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



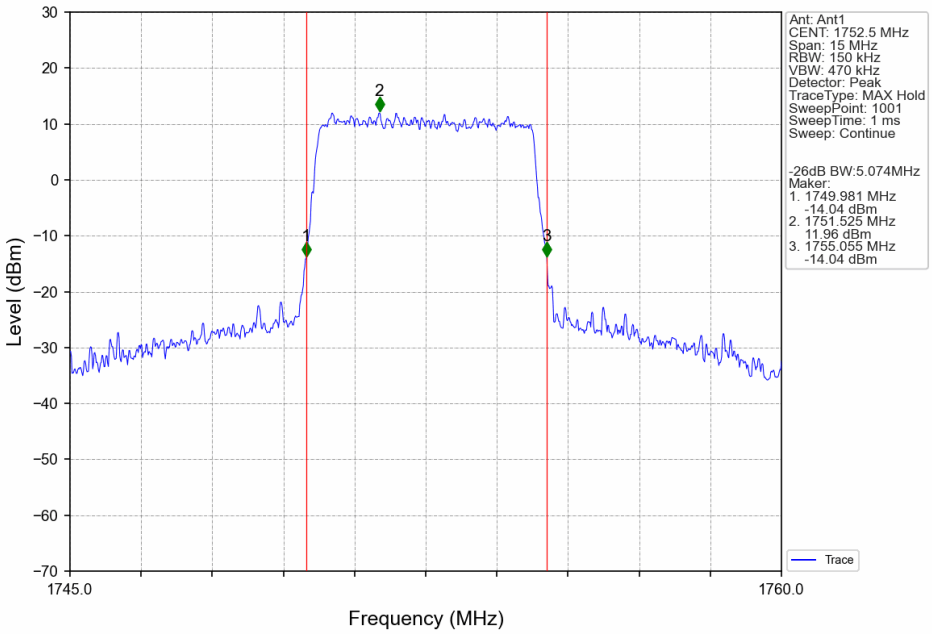
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



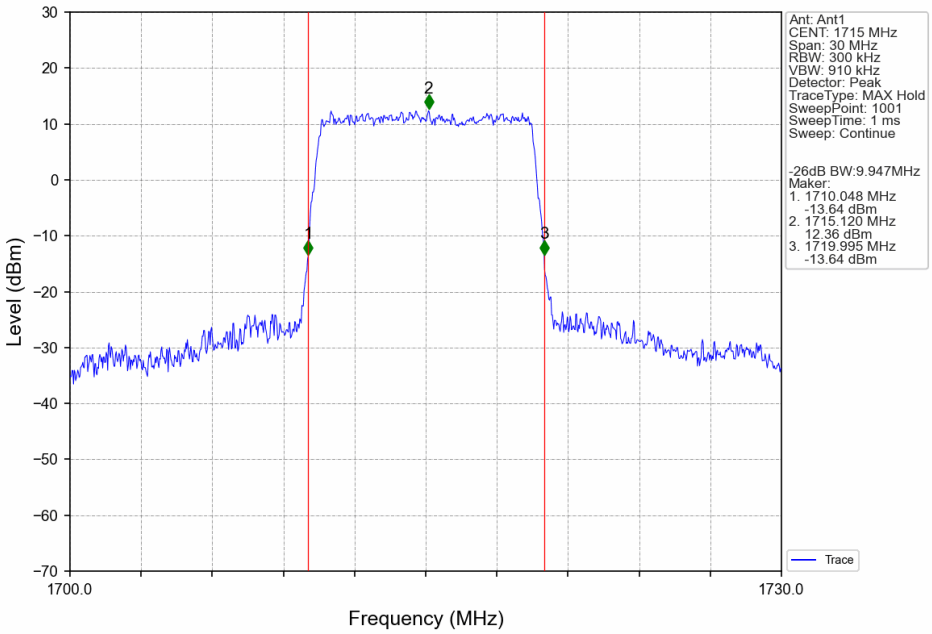
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



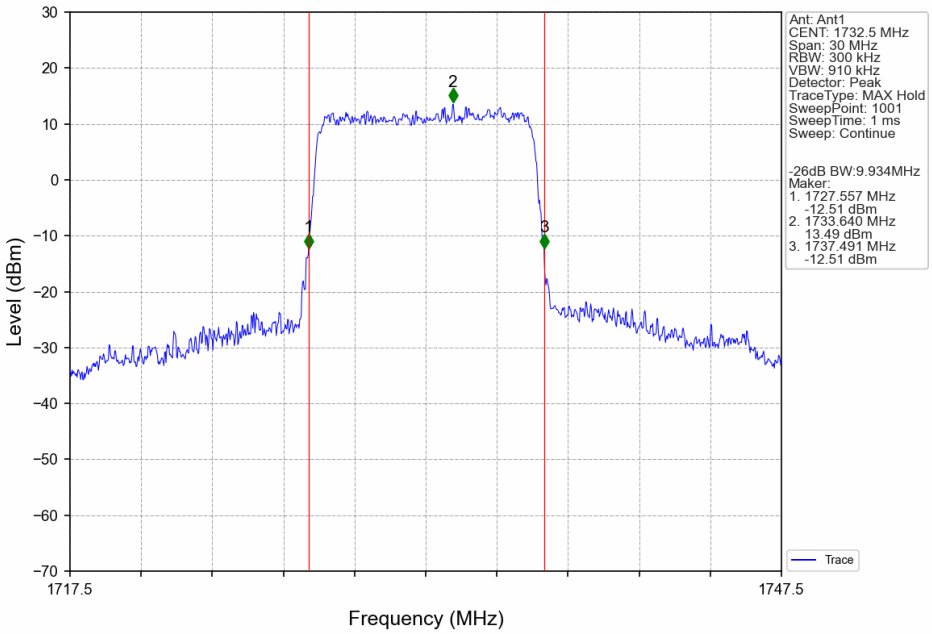
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



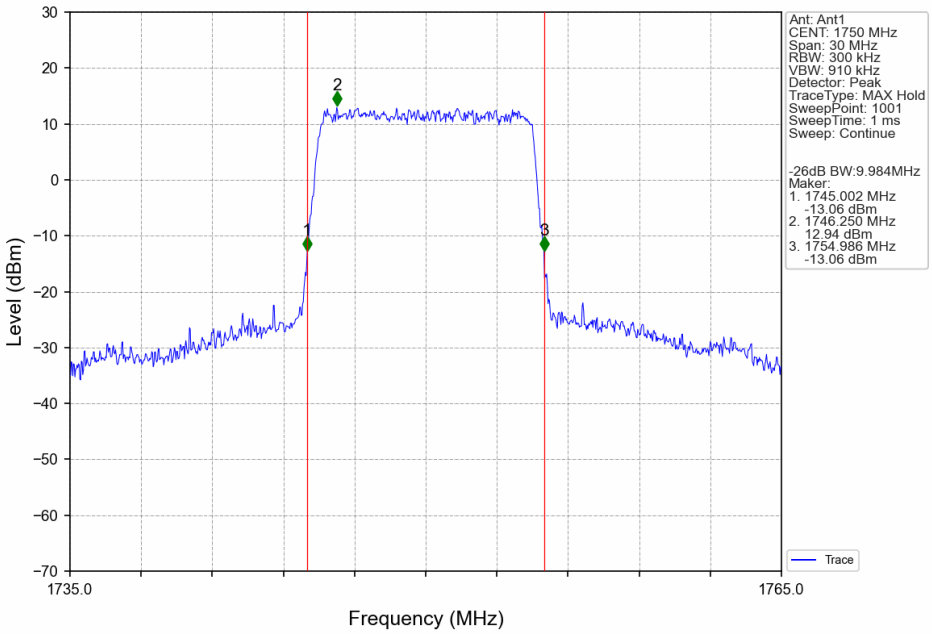
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV