1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

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	23.21	0.98	24.19	<=30	Pass
			2	23.25	0.98	24.23	<=30	Pass
			5	23.31	0.98	24.29	<=30	Pass
		3	0	23.29	0.98	24.27	<=30	Pass
			2	23.25	0.98	24.23	<=30	Pass
			3	23.19	0.98	24.17	<=30	Pass
		6	0	22.25	0.98	23.23	<=30	Pass
	1732.5	1	0	23.32	0.98	24.30	<=30	Pass
			2	23.37	0.98	24.35	<=30	Pass
			5	23.30	0.98	24.28	<=30	Pass
		3	0	23.36	0.98	24.34	<=30	Pass
			2	23.33	0.98	24.31	<=30	Pass
			3	23.28	0.98	24.26	<=30	Pass
		6	0	22.33	0.98	23.31	<=30	Pass
	1754.3	1	0	23.16	0.98	24.14	<=30	Pass
			2	23.15	0.98	24.13	<=30	Pass
			5	23.12	0.98	24.10	<=30	Pass
		3	0	23.14	0.98	24.12	<=30	Pass
			2	23.18	0.98	24.16	<=30	Pass
			3	23.14	0.98	24.12	<=30	Pass
		6	0	22.06	0.98	23.04	<=30	Pass
16QAM	1710.7	1	0	22.46	0.98	23.44	<=30	Pass
			2	22.45	0.98	23.43	<=30	Pass
			5	22.51	0.98	23.49	<=30	Pass
		3	0	22.49	0.98	23.47	<=30	Pass
			2	22.46	0.98	23.44	<=30	Pass
			3	22.48	0.98	23.46	<=30	Pass
		6	0	21.47	0.98	22.45	<=30	Pass
	1732.5	1	0	21.87	0.98	22.85	<=30	Pass
			2	21.78	0.98	22.76	<=30	Pass
			5	21.85	0.98	22.83	<=30	Pass
		3	0	22.20	0.98	23.18	<=30	Pass
			2	22.20	0.98	23.18	<=30	Pass
			3	22.17	0.98	23.15	<=30	Pass
		6	0	21.35	0.98	22.33	<=30	Pass
	1754.3	1	0	22.45	0.98	23.43	<=30	Pass
			2	22.42	0.98	23.40	<=30	Pass
			5	22.47	0.98	23.45	<=30	Pass
		3	0	21.89	0.98	22.87	<=30	Pass
			2	21.87	0.98	22.85	<=30	Pass
			3	21.86	0.98	22.84	<=30	Pass
		6	0	21.16	0.98	22.14	<=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	23.16	0.98	24.14	<=30	Pass
			7	23.20	0.98	24.18	<=30	Pass
			14	23.20	0.98	24.18	<=30	Pass
		8	0	22.25	0.98	23.23	<=30	Pass
			4	22.22	0.98	23.20	<=30	Pass
			7	22.24	0.98	23.22	<=30	Pass
		15	0	22.18	0.98	23.16	<=30	Pass
	1732.5	1	0	23.25	0.98	24.23	<=30	Pass
			7	23.29	0.98	24.27	<=30	Pass
			14	23.19	0.98	24.17	<=30	Pass
		8	0	22.31	0.98	23.29	<=30	Pass
			4	22.30	0.98	23.28	<=30	Pass
			7	22.24	0.98	23.22	<=30	Pass
		15	0	22.27	0.98	23.25	<=30	Pass
	1753.5	1	0	23.33	0.98	24.31	<=30	Pass
			7	23.43	0.98	24.41	<=30	Pass
			14	23.47	0.98	24.45	<=30	Pass
		8	0	22.23	0.98	23.21	<=30	Pass
			4	22.04	0.98	23.02	<=30	Pass
			7	22.11	0.98	23.09	<=30	Pass
		15	0	22.11	0.98	23.09	<=30	Pass
16QAM	1711.5	1	0	22.57	0.98	23.55	<=30	Pass
			7	22.51	0.98	23.49	<=30	Pass
			14	22.54	0.98	23.52	<=30	Pass
		8	0	21.60	0.98	22.58	<=30	Pass
			4	21.51	0.98	22.49	<=30	Pass
			7	21.52	0.98	22.50	<=30	Pass
		15	0	21.37	0.98	22.35	<=30	Pass
	1732.5	1	0	22.48	0.98	23.46	<=30	Pass
			7	22.45	0.98	23.43	<=30	Pass
			14	22.45	0.98	23.43	<=30	Pass
		8	0	21.43	0.98	22.41	<=30	Pass
			4	21.40	0.98	22.38	<=30	Pass
			7	21.40	0.98	22.38	<=30	Pass
		15	0	21.32	0.98	22.30	<=30	Pass
	1753.5	1	0	21.88	0.98	22.86	<=30	Pass
			7	21.94	0.98	22.92	<=30	Pass
			14	21.88	0.98	22.86	<=30	Pass
		8	0	21.35	0.98	22.33	<=30	Pass
			4	21.42	0.98	22.40	<=30	Pass
			7	21.42	0.98	22.40	<=30	Pass
		15	0	21.26	0.98	22.24	<=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	23.19	0.98	24.17	<=30	Pass
			13	23.12	0.98	24.10	<=30	Pass
			24	23.18	0.98	24.16	<=30	Pass
		12	0	22.30	0.98	23.28	<=30	Pass
			6	22.21	0.98	23.19	<=30	Pass
			13	22.17	0.98	23.15	<=30	Pass
		25	0	22.32	0.98	23.30	<=30	Pass
	1732.5	1	0	23.41	0.98	24.39	<=30	Pass
			13	23.45	0.98	24.43	<=30	Pass
			24	23.43	0.98	24.41	<=30	Pass
		12	0	22.38	0.98	23.36	<=30	Pass
			6	22.31	0.98	23.29	<=30	Pass
			13	22.36	0.98	23.34	<=30	Pass
		25	0	22.17	0.98	23.15	<=30	Pass
	1752.5	1	0	23.19	0.98	24.17	<=30	Pass
			13	23.03	0.98	24.01	<=30	Pass
			24	22.93	0.98	23.91	<=30	Pass
		12	0	22.15	0.98	23.13	<=30	Pass
			6	22.19	0.98	23.17	<=30	Pass
			13	22.24	0.98	23.22	<=30	Pass
		25	0	22.26	0.98	23.24	<=30	Pass
16QAM	1712.5	1	0	21.42	0.98	22.40	<=30	Pass
			13	21.50	0.98	22.48	<=30	Pass
			24	21.45	0.98	22.43	<=30	Pass
		12	0	21.29	0.98	22.27	<=30	Pass
			6	21.34	0.98	22.32	<=30	Pass
			13	21.30	0.98	22.28	<=30	Pass
		25	0	21.43	0.98	22.41	<=30	Pass
	1732.5	1	0	22.49	0.98	23.47	<=30	Pass
			13	22.42	0.98	23.40	<=30	Pass
			24	22.46	0.98	23.44	<=30	Pass
		12	0	21.43	0.98	22.41	<=30	Pass
			6	21.32	0.98	22.30	<=30	Pass
			13	21.42	0.98	22.40	<=30	Pass
		25	0	21.39	0.98	22.37	<=30	Pass
	1752.5	1	0	22.29	0.98	23.27	<=30	Pass
			13	22.26	0.98	23.24	<=30	Pass
			24	22.29	0.98	23.27	<=30	Pass
		12	0	21.23	0.98	22.21	<=30	Pass
			6	21.24	0.98	22.22	<=30	Pass
			13	21.23	0.98	22.21	<=30	Pass
		25	0	21.31	0.98	22.29	<=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	23.24	0.98	24.22	<=30	Pass
			25	23.19	0.98	24.17	<=30	Pass
			49	23.25	0.98	24.23	<=30	Pass
		25	0	22.37	0.98	23.35	<=30	Pass
			13	22.23	0.98	23.21	<=30	Pass
			25	22.19	0.98	23.17	<=30	Pass
		50	0	22.20	0.98	23.18	<=30	Pass
	1732.5	1	0	23.23	0.98	24.21	<=30	Pass
			25	23.25	0.98	24.23	<=30	Pass
			49	23.24	0.98	24.22	<=30	Pass
		25	0	22.32	0.98	23.30	<=30	Pass
			13	22.22	0.98	23.20	<=30	Pass
			25	22.30	0.98	23.28	<=30	Pass
		50	0	22.21	0.98	23.19	<=30	Pass
	1750	1	0	23.33	0.98	24.31	<=30	Pass
			25	23.31	0.98	24.29	<=30	Pass
			49	23.23	0.98	24.21	<=30	Pass
		25	0	22.29	0.98	23.27	<=30	Pass
			13	22.17	0.98	23.15	<=30	Pass
			25	22.05	0.98	23.03	<=30	Pass
		50	0	22.28	0.98	23.26	<=30	Pass
16QAM	1715	1	0	22.77	0.98	23.75	<=30	Pass
			25	22.74	0.98	23.72	<=30	Pass
			49	22.75	0.98	23.73	<=30	Pass
		25	0	21.40	0.98	22.38	<=30	Pass
			13	21.39	0.98	22.37	<=30	Pass
			25	21.37	0.98	22.35	<=30	Pass
		50	0	21.32	0.98	22.30	<=30	Pass
	1732.5	1	0	22.49	0.98	23.47	<=30	Pass
			25	22.50	0.98	23.48	<=30	Pass
			49	22.49	0.98	23.47	<=30	Pass
		25	0	21.50	0.98	22.48	<=30	Pass
			13	21.44	0.98	22.42	<=30	Pass
			25	21.45	0.98	22.43	<=30	Pass
		50	0	21.46	0.98	22.44	<=30	Pass
	1750	1	0	22.11	0.98	23.09	<=30	Pass
			25	22.15	0.98	23.13	<=30	Pass
			49	22.03	0.98	23.01	<=30	Pass
		25	0	21.37	0.98	22.35	<=30	Pass
			13	21.43	0.98	22.41	<=30	Pass
			25	21.37	0.98	22.35	<=30	Pass
		50	0	21.32	0.98	22.30	<=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	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

	(MHz)	Size	Offset	(dBm)	(dbi)	Result	Limit	
QPSK	1717.5	1	0	23.19	0.98	24.17	<=30	Pass
			38	23.17	0.98	24.15	<=30	Pass
			74	23.17	0.98	24.15	<=30	Pass
		36	0	22.19	0.98	23.17	<=30	Pass
			18	22.19	0.98	23.17	<=30	Pass
			39	22.23	0.98	23.21	<=30	Pass
		75	0	22.13	0.98	23.11	<=30	Pass
	1732.5	1	0	23.22	0.98	24.20	<=30	Pass
			38	23.21	0.98	24.19	<=30	Pass
			74	23.18	0.98	24.16	<=30	Pass
		36	0	22.39	0.98	23.37	<=30	Pass
			18	22.24	0.98	23.22	<=30	Pass
			39	22.22	0.98	23.20	<=30	Pass
		75	0	22.24	0.98	23.22	<=30	Pass
	1747.5	1	0	23.36	0.98	24.34	<=30	Pass
			38	23.28	0.98	24.26	<=30	Pass
			74	23.19	0.98	24.17	<=30	Pass
		36	0	22.24	0.98	23.22	<=30	Pass
			18	22.16	0.98	23.14	<=30	Pass
			39	22.19	0.98	23.17	<=30	Pass
		75	0	22.20	0.98	23.18	<=30	Pass
16QAM	1717.5	1	0	22.56	0.98	23.54	<=30	Pass
			38	22.46	0.98	23.44	<=30	Pass
			74	22.52	0.98	23.50	<=30	Pass
		36	0	21.35	0.98	22.33	<=30	Pass
			18	21.50	0.98	22.48	<=30	Pass
			39	21.47	0.98	22.45	<=30	Pass
		75	0	21.44	0.98	22.42	<=30	Pass
	1732.5	1	0	22.99	0.98	23.97	<=30	Pass
			38	23.06	0.98	24.04	<=30	Pass
			74	23.03	0.98	24.01	<=30	Pass
		36	0	21.35	0.98	22.33	<=30	Pass
			18	21.31	0.98	22.29	<=30	Pass
			39	21.30	0.98	22.28	<=30	Pass
		75	0	21.34	0.98	22.32	<=30	Pass
	1747.5	1	0	22.66	0.98	23.64	<=30	Pass
			38	22.61	0.98	23.59	<=30	Pass
			74	22.54	0.98	23.52	<=30	Pass
		36	0	21.28	0.98	22.26	<=30	Pass
			18	21.30	0.98	22.28	<=30	Pass
			39	21.23	0.98	22.21	<=30	Pass
		75	0	21.25	0.98	22.23	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

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	23.18	0.98	24.16	<=30	Pass
			50	23.10	0.98	24.08	<=30	Pass
			99	23.16	0.98	24.14	<=30	Pass
		50	0	22.17	0.98	23.15	<=30	Pass
			25	22.31	0.98	23.29	<=30	Pass
			50	22.35	0.98	23.33	<=30	Pass
		100	0	22.12	0.98	23.10	<=30	Pass
	1732.5	1	0	23.43	0.98	24.41	<=30	Pass
			50	23.46	0.98	24.44	<=30	Pass
			99	23.43	0.98	24.41	<=30	Pass
		50	0	22.23	0.98	23.21	<=30	Pass
			25	22.20	0.98	23.18	<=30	Pass
			50	22.21	0.98	23.19	<=30	Pass
		100	0	22.25	0.98	23.23	<=30	Pass
	1745	1	0	23.58	0.98	24.56	<=30	Pass
			50	23.56	0.98	24.54	<=30	Pass
			99	23.41	0.98	24.39	<=30	Pass
		50	0	22.14	0.98	23.12	<=30	Pass
			25	22.23	0.98	23.21	<=30	Pass
			50	22.13	0.98	23.11	<=30	Pass
		100	0	22.18	0.98	23.16	<=30	Pass
16QAM	1720	1	0	22.58	0.98	23.56	<=30	Pass
			50	22.52	0.98	23.50	<=30	Pass
			99	22.61	0.98	23.59	<=30	Pass
		50	0	21.40	0.98	22.38	<=30	Pass
			25	21.43	0.98	22.41	<=30	Pass
			50	21.35	0.98	22.33	<=30	Pass
		100	0	21.31	0.98	22.29	<=30	Pass
	1732.5	1	0	23.03	0.98	24.01	<=30	Pass
			50	22.99	0.98	23.97	<=30	Pass
			99	22.95	0.98	23.93	<=30	Pass
		50	0	21.35	0.98	22.33	<=30	Pass
			25	21.34	0.98	22.32	<=30	Pass
			50	21.24	0.98	22.22	<=30	Pass
		100	0	21.30	0.98	22.28	<=30	Pass
	1745	1	0	21.76	0.98	22.74	<=30	Pass
			50	21.62	0.98	22.60	<=30	Pass
			99	21.59	0.98	22.57	<=30	Pass
		50	0	21.35	0.98	22.33	<=30	Pass
			25	21.39	0.98	22.37	<=30	Pass
			50	21.40	0.98	22.38	<=30	Pass
		100	0	21.27	0.98	22.25	<=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	-4.191	-0.0024	-2.5 to 2.5	Pass

					3.85	-34.962	-0.0204	-2.5 to 2.5	Pass
					4.43	-10.343	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-33.002	-0.0193	-2.5 to 2.5	Pass
				-20	3.85	-13.247	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-30.885	-0.0181	-2.5 to 2.5	Pass
				0	3.85	-23.518	-0.0137	-2.5 to 2.5	Pass
				10	3.85	6.938	0.0041	-2.5 to 2.5	Pass
				30	3.85	-10.414	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-26.264	-0.0154	-2.5 to 2.5	Pass
				50	3.85	-7.210	-0.0042	-2.5 to 2.5	Pass
	1732.5	6	0		3.27	-11.287	-0.0065	-2.5 to 2.5	Pass
				20	3.85	-21.644	-0.0125	-2.5 to 2.5	Pass
					4.43	-31.586	-0.0182	-2.5 to 2.5	Pass
				-30	3.85	-40.898	-0.0236	-2.5 to 2.5	Pass
				-20	3.85	-18.625	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-42.028	-0.0243	-2.5 to 2.5	Pass
				0	3.85	17.180	0.0099	-2.5 to 2.5	Pass
				10	3.85	8.640	0.0050	-2.5 to 2.5	Pass
				30	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-15.407	-0.0089	-2.5 to 2.5	Pass
	1754.3	6	0		3.27	-14.033	-0.0080	-2.5 to 2.5	Pass
				20	3.85	5.422	0.0031	-2.5 to 2.5	Pass
					4.43	11.315	0.0064	-2.5 to 2.5	Pass
				-30	3.85	9.542	0.0054	-2.5 to 2.5	Pass
				-20	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-7.839	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-14.448	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-24.304	-0.0139	-2.5 to 2.5	Pass
				30	3.85	-11.458	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-20.742	-0.0118	-2.5 to 2.5	Pass
				50	3.85	-5.836	-0.0033	-2.5 to 2.5	Pass
16QAM	1710.7	6	0		3.27	-24.104	-0.0141	-2.5 to 2.5	Pass
				20	3.85	-20.528	-0.0120	-2.5 to 2.5	Pass
					4.43	-32.558	-0.0190	-2.5 to 2.5	Pass
				-30	3.85	-13.461	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-26.693	-0.0156	-2.5 to 2.5	Pass
				-10	3.85	-41.070	-0.0240	-2.5 to 2.5	Pass
				0	3.85	-9.470	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-23.603	-0.0138	-2.5 to 2.5	Pass
				30	3.85	-35.262	-0.0206	-2.5 to 2.5	Pass
				40	3.85	-9.613	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-21.615	-0.0126	-2.5 to 2.5	Pass
	1732.5	6	0		3.27	-19.155	-0.0111	-2.5 to 2.5	Pass
				20	3.85	13.461	0.0078	-2.5 to 2.5	Pass
					4.43	8.812	0.0051	-2.5 to 2.5	Pass
				-30	3.85	10.815	0.0062	-2.5 to 2.5	Pass
				-20	3.85	20.356	0.0117	-2.5 to 2.5	Pass
				-10	3.85	33.517	0.0193	-2.5 to 2.5	Pass
				0	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				10	3.85	14.420	0.0083	-2.5 to 2.5	Pass
				30	3.85	30.599	0.0177	-2.5 to 2.5	Pass
				40	3.85	5.965	0.0034	-2.5 to 2.5	Pass
				50	3.85	10.943	0.0063	-2.5 to 2.5	Pass
	1754.3	6	0		3.27	-16.108	-0.0092	-2.5 to 2.5	Pass
				20	3.85	-24.447	-0.0139	-2.5 to 2.5	Pass
					4.43	-36.922	-0.0210	-2.5 to 2.5	Pass
				-30	3.85	16.751	0.0095	-2.5 to 2.5	Pass
				-20	3.85	12.531	0.0071	-2.5 to 2.5	Pass

				-10	3.85	16.036	0.0091	-2.5 to 2.5	Pass
				0	3.85	26.121	0.0149	-2.5 to 2.5	Pass
				10	3.85	32.344	0.0184	-2.5 to 2.5	Pass
				30	3.85	-10.314	-0.0059	-2.5 to 2.5	Pass
				40	3.85	4.306	0.0025	-2.5 to 2.5	Pass
				50	3.85	17.438	0.0099	-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	-2.761	-0.0016	-2.5 to 2.5	Pass
					3.85	-19.999	-0.0117	-2.5 to 2.5	Pass
					4.43	1.416	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				-10	3.85	13.447	0.0079	-2.5 to 2.5	Pass
				0	3.85	21.472	0.0125	-2.5 to 2.5	Pass
				10	3.85	32.630	0.0191	-2.5 to 2.5	Pass
				30	3.85	5.965	0.0035	-2.5 to 2.5	Pass
				40	3.85	15.106	0.0088	-2.5 to 2.5	Pass
				50	3.85	22.473	0.0131	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-10.257	-0.0059	-2.5 to 2.5	Pass
					3.85	-8.941	-0.0052	-2.5 to 2.5	Pass
					4.43	-20.528	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-33.431	-0.0193	-2.5 to 2.5	Pass
				-20	3.85	-23.789	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-44.060	-0.0254	-2.5 to 2.5	Pass
				0	3.85	-17.409	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-34.847	-0.0201	-2.5 to 2.5	Pass
				30	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-21.057	-0.0122	-2.5 to 2.5	Pass
				50	3.85	-15.893	-0.0092	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-9.799	-0.0056	-2.5 to 2.5	Pass
					3.85	-5.136	-0.0029	-2.5 to 2.5	Pass
					4.43	-8.254	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-12.217	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-19.670	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-28.453	-0.0162	-2.5 to 2.5	Pass
				0	3.85	-35.090	-0.0200	-2.5 to 2.5	Pass
				10	3.85	-8.440	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-17.724	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-29.240	-0.0167	-2.5 to 2.5	Pass
				50	3.85	11.272	0.0064	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	30.699	0.0179	-2.5 to 2.5	Pass
					3.85	36.836	0.0215	-2.5 to 2.5	Pass
					4.43	-7.453	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				-10	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				0	3.85	4.363	0.0025	-2.5 to 2.5	Pass
				10	3.85	6.137	0.0036	-2.5 to 2.5	Pass
				30	3.85	6.852	0.0040	-2.5 to 2.5	Pass
				40	3.85	6.137	0.0036	-2.5 to 2.5	Pass

				50	3.85	5.836	0.0034	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-19.126	-0.0110	-2.5 to 2.5	Pass
					3.85	-30.885	-0.0178	-2.5 to 2.5	Pass
					4.43	-5.379	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-18.268	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-24.676	-0.0142	-2.5 to 2.5	Pass
				-10	3.85	-8.998	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-19.741	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-30.284	-0.0175	-2.5 to 2.5	Pass
				30	3.85	8.411	0.0049	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-13.604	-0.0079	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	0.744	0.0004	-2.5 to 2.5	Pass
					3.85	0.544	0.0003	-2.5 to 2.5	Pass
					4.43	-1.745	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	11.101	0.0063	-2.5 to 2.5	Pass
				-20	3.85	21.257	0.0121	-2.5 to 2.5	Pass
				-10	3.85	-15.163	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				10	3.85	12.717	0.0073	-2.5 to 2.5	Pass
				30	3.85	23.990	0.0137	-2.5 to 2.5	Pass
				40	3.85	36.893	0.0210	-2.5 to 2.5	Pass
				50	3.85	11.930	0.0068	-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	-1.059	-0.0006	-2.5 to 2.5	Pass
					3.85	-7.195	-0.0042	-2.5 to 2.5	Pass
					4.43	-16.379	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-26.493	-0.0155	-2.5 to 2.5	Pass
				-20	3.85	-39.682	-0.0232	-2.5 to 2.5	Pass
				-10	3.85	-32.315	-0.0189	-2.5 to 2.5	Pass
				0	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-22.702	-0.0133	-2.5 to 2.5	Pass
				30	3.85	-35.949	-0.0210	-2.5 to 2.5	Pass
				40	3.85	-11.659	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-27.366	-0.0160	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-16.122	-0.0093	-2.5 to 2.5	Pass
					3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
					4.43	1.860	0.0011	-2.5 to 2.5	Pass
				-30	3.85	12.059	0.0070	-2.5 to 2.5	Pass
				-20	3.85	23.031	0.0133	-2.5 to 2.5	Pass
				-10	3.85	32.587	0.0188	-2.5 to 2.5	Pass
				0	3.85	10.829	0.0063	-2.5 to 2.5	Pass
				10	3.85	13.547	0.0078	-2.5 to 2.5	Pass
				30	3.85	22.416	0.0129	-2.5 to 2.5	Pass
				40	3.85	32.458	0.0187	-2.5 to 2.5	Pass
				50	3.85	2.933	0.0017	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	2.317	0.0013	-2.5 to 2.5	Pass
					3.85	2.160	0.0012	-2.5 to 2.5	Pass
					4.43	-5.021	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-20.571	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-15.893	-0.0091	-2.5 to 2.5	Pass

				0	3.85	-32.430	-0.0185	-2.5 to 2.5	Pass
				10	3.85	-10.371	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-27.337	-0.0156	-2.5 to 2.5	Pass
				40	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-21.172	-0.0121	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-39.339	-0.0230	-2.5 to 2.5	Pass
					3.85	0.486	0.0003	-2.5 to 2.5	Pass
					4.43	-11.601	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-23.804	-0.0139	-2.5 to 2.5	Pass
				-20	3.85	-28.138	-0.0164	-2.5 to 2.5	Pass
				-10	3.85	-26.822	-0.0157	-2.5 to 2.5	Pass
				0	3.85	-20.685	-0.0121	-2.5 to 2.5	Pass
				10	3.85	-11.830	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				40	3.85	7.668	0.0045	-2.5 to 2.5	Pass
				50	3.85	14.405	0.0084	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	13.189	0.0076	-2.5 to 2.5	Pass
					3.85	23.375	0.0135	-2.5 to 2.5	Pass
					4.43	31.071	0.0179	-2.5 to 2.5	Pass
				-30	3.85	3.061	0.0018	-2.5 to 2.5	Pass
				-20	3.85	10.657	0.0062	-2.5 to 2.5	Pass
				-10	3.85	19.956	0.0115	-2.5 to 2.5	Pass
				0	3.85	12.045	0.0070	-2.5 to 2.5	Pass
				10	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				30	3.85	8.082	0.0047	-2.5 to 2.5	Pass
				40	3.85	17.223	0.0099	-2.5 to 2.5	Pass
				50	3.85	21.973	0.0127	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-40.584	-0.0232	-2.5 to 2.5	Pass
					3.85	-12.274	-0.0070	-2.5 to 2.5	Pass
					4.43	-22.159	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-35.319	-0.0202	-2.5 to 2.5	Pass
				-20	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-12.932	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-29.426	-0.0168	-2.5 to 2.5	Pass
				10	3.85	-40.956	-0.0234	-2.5 to 2.5	Pass
				30	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-9.613	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-10.958	-0.0063	-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	-5.822	-0.0034	-2.5 to 2.5	Pass
					3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
					4.43	-8.297	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-21.930	-0.0128	-2.5 to 2.5	Pass
				-20	3.85	-35.133	-0.0205	-2.5 to 2.5	Pass
				-10	3.85	-15.092	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-23.117	-0.0135	-2.5 to 2.5	Pass
				10	3.85	-32.501	-0.0190	-2.5 to 2.5	Pass
				30	3.85	-34.919	-0.0204	-2.5 to 2.5	Pass
				40	3.85	-18.797	-0.0110	-2.5 to 2.5	Pass
				50	3.85	-4.549	-0.0027	-2.5 to 2.5	Pass

	1732.5	50	0	20	3.27	-13.032	-0.0075	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
					4.43	-10.085	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-14.534	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	6.051	0.0035	-2.5 to 2.5	Pass
				0	3.85	-12.131	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-29.469	-0.0170	-2.5 to 2.5	Pass
				30	3.85	-5.150	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-19.941	-0.0115	-2.5 to 2.5	Pass
				50	3.85	-31.729	-0.0183	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-3.204	-0.0018	-2.5 to 2.5	Pass
					3.85	4.706	0.0027	-2.5 to 2.5	Pass
					4.43	15.364	0.0088	-2.5 to 2.5	Pass
				-30	3.85	26.550	0.0152	-2.5 to 2.5	Pass
				-20	3.85	38.781	0.0222	-2.5 to 2.5	Pass
				-10	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				0	3.85	9.170	0.0052	-2.5 to 2.5	Pass
				10	3.85	18.067	0.0103	-2.5 to 2.5	Pass
				30	3.85	27.623	0.0158	-2.5 to 2.5	Pass
				40	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				50	3.85	3.576	0.0020	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	2.317	0.0014	-2.5 to 2.5	Pass
					3.85	17.595	0.0103	-2.5 to 2.5	Pass
					4.43	2.589	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.018	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	12.474	0.0073	-2.5 to 2.5	Pass
				-10	3.85	-25.649	-0.0150	-2.5 to 2.5	Pass
				0	3.85	16.136	0.0094	-2.5 to 2.5	Pass
				10	3.85	23.417	0.0137	-2.5 to 2.5	Pass
				30	3.85	19.269	0.0112	-2.5 to 2.5	Pass
				40	3.85	33.402	0.0195	-2.5 to 2.5	Pass
				50	3.85	9.356	0.0055	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-7.010	-0.0040	-2.5 to 2.5	Pass
					3.85	-7.339	-0.0042	-2.5 to 2.5	Pass
					4.43	4.392	0.0025	-2.5 to 2.5	Pass
				-30	3.85	19.655	0.0113	-2.5 to 2.5	Pass
				-20	3.85	36.764	0.0212	-2.5 to 2.5	Pass
				-10	3.85	15.163	0.0088	-2.5 to 2.5	Pass
				0	3.85	32.330	0.0187	-2.5 to 2.5	Pass
				10	3.85	13.890	0.0080	-2.5 to 2.5	Pass
				30	3.85	28.739	0.0166	-2.5 to 2.5	Pass
				40	3.85	25.764	0.0149	-2.5 to 2.5	Pass
				50	3.85	11.559	0.0067	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-6.523	-0.0037	-2.5 to 2.5	Pass
					3.85	4.992	0.0029	-2.5 to 2.5	Pass
					4.43	13.919	0.0080	-2.5 to 2.5	Pass
				-30	3.85	20.800	0.0119	-2.5 to 2.5	Pass
				-20	3.85	28.882	0.0165	-2.5 to 2.5	Pass
				-10	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				0	3.85	3.676	0.0021	-2.5 to 2.5	Pass
				10	3.85	13.390	0.0077	-2.5 to 2.5	Pass
				30	3.85	19.884	0.0114	-2.5 to 2.5	Pass
				40	3.85	26.608	0.0152	-2.5 to 2.5	Pass
				50	3.85	1.359	0.0008	-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	-4.821	-0.0028	-2.5 to 2.5	Pass
					3.85	-23.603	-0.0137	-2.5 to 2.5	Pass
					4.43	-44.746	-0.0261	-2.5 to 2.5	Pass
				-30	3.85	-20.428	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-17.023	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-26.236	-0.0153	-2.5 to 2.5	Pass
				10	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-20.342	-0.0118	-2.5 to 2.5	Pass
				40	3.85	-15.335	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-35.119	-0.0204	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	10.099	0.0058	-2.5 to 2.5	Pass
					3.85	18.396	0.0106	-2.5 to 2.5	Pass
					4.43	19.026	0.0110	-2.5 to 2.5	Pass
				-30	3.85	11.001	0.0063	-2.5 to 2.5	Pass
				-20	3.85	5.078	0.0029	-2.5 to 2.5	Pass
				-10	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				30	3.85	11.959	0.0069	-2.5 to 2.5	Pass
				40	3.85	27.709	0.0160	-2.5 to 2.5	Pass
				50	3.85	32.558	0.0188	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-1.187	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
					4.43	-13.003	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-36.035	-0.0206	-2.5 to 2.5	Pass
				-20	3.85	-13.061	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-32.258	-0.0185	-2.5 to 2.5	Pass
				0	3.85	-25.177	-0.0144	-2.5 to 2.5	Pass
				10	3.85	-4.964	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-15.278	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-32.587	-0.0186	-2.5 to 2.5	Pass
				50	3.85	-41.127	-0.0235	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-17.838	-0.0104	-2.5 to 2.5	Pass
					3.85	-28.367	-0.0165	-2.5 to 2.5	Pass
					4.43	-10.171	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-23.975	-0.0140	-2.5 to 2.5	Pass
				-20	3.85	-35.062	-0.0204	-2.5 to 2.5	Pass
				-10	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				0	3.85	-10.228	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-22.516	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-33.002	-0.0192	-2.5 to 2.5	Pass
				40	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-29.097	-0.0169	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	27.065	0.0156	-2.5 to 2.5	Pass
					3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
					4.43	10.028	0.0058	-2.5 to 2.5	Pass
				-30	3.85	27.680	0.0160	-2.5 to 2.5	Pass
				-20	3.85	44.761	0.0258	-2.5 to 2.5	Pass
				-10	3.85	23.689	0.0137	-2.5 to 2.5	Pass
				0	3.85	24.419	0.0141	-2.5 to 2.5	Pass
				10	3.85	18.067	0.0104	-2.5 to 2.5	Pass
				30	3.85	33.774	0.0195	-2.5 to 2.5	Pass
				40	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass

				50	3.85	9.885	0.0057	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-23.060	-0.0132	-2.5 to 2.5	Pass
					3.85	-30.270	-0.0173	-2.5 to 2.5	Pass
					4.43	-39.740	-0.0227	-2.5 to 2.5	Pass
				-30	3.85	-39.082	-0.0224	-2.5 to 2.5	Pass
				-20	3.85	-29.225	-0.0167	-2.5 to 2.5	Pass
				-10	3.85	-14.048	-0.0080	-2.5 to 2.5	Pass
				0	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				10	3.85	18.983	0.0109	-2.5 to 2.5	Pass
				30	3.85	23.046	0.0132	-2.5 to 2.5	Pass
				40	3.85	14.133	0.0081	-2.5 to 2.5	Pass
				50	3.85	9.613	0.0055	-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	-13.361	-0.0078	-2.5 to 2.5	Pass
					3.85	-32.630	-0.0190	-2.5 to 2.5	Pass
					4.43	9.770	0.0057	-2.5 to 2.5	Pass
				-30	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-23.918	-0.0139	-2.5 to 2.5	Pass
				-10	3.85	-18.783	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-28.868	-0.0168	-2.5 to 2.5	Pass
				10	3.85	-12.045	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-32.959	-0.0192	-2.5 to 2.5	Pass
				40	3.85	-41.199	-0.0240	-2.5 to 2.5	Pass
				50	3.85	-37.522	-0.0218	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	15.078	0.0087	-2.5 to 2.5	Pass
					3.85	17.924	0.0103	-2.5 to 2.5	Pass
					4.43	23.818	0.0137	-2.5 to 2.5	Pass
				-30	3.85	29.597	0.0171	-2.5 to 2.5	Pass
				-20	3.85	34.504	0.0199	-2.5 to 2.5	Pass
				-10	3.85	40.269	0.0232	-2.5 to 2.5	Pass
				0	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				10	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				30	3.85	4.621	0.0027	-2.5 to 2.5	Pass
				40	3.85	7.195	0.0042	-2.5 to 2.5	Pass
				50	3.85	11.787	0.0068	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-19.870	-0.0114	-2.5 to 2.5	Pass
					3.85	4.764	0.0027	-2.5 to 2.5	Pass
					4.43	-21.601	-0.0124	-2.5 to 2.5	Pass
				-30	3.85	-17.223	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-11.601	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-26.293	-0.0151	-2.5 to 2.5	Pass
				0	3.85	-33.116	-0.0190	-2.5 to 2.5	Pass
				10	3.85	-11.873	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-8.626	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-14.920	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-15.550	-0.0089	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-22.216	-0.0129	-2.5 to 2.5	Pass
					3.85	-5.450	-0.0032	-2.5 to 2.5	Pass
					4.43	8.154	0.0047	-2.5 to 2.5	Pass
				-30	3.85	21.844	0.0127	-2.5 to 2.5	Pass

				-20	3.85	32.372	0.0188	-2.5 to 2.5	Pass
				-10	3.85	7.038	0.0041	-2.5 to 2.5	Pass
				0	3.85	16.980	0.0099	-2.5 to 2.5	Pass
				10	3.85	26.779	0.0156	-2.5 to 2.5	Pass
				30	3.85	34.060	0.0198	-2.5 to 2.5	Pass
				40	3.85	6.437	0.0037	-2.5 to 2.5	Pass
				50	3.85	13.547	0.0079	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	16.022	0.0092	-2.5 to 2.5	Pass
					3.85	23.446	0.0135	-2.5 to 2.5	Pass
					4.43	30.212	0.0174	-2.5 to 2.5	Pass
				-30	3.85	35.505	0.0205	-2.5 to 2.5	Pass
				-20	3.85	38.953	0.0225	-2.5 to 2.5	Pass
				-10	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	6.695	0.0039	-2.5 to 2.5	Pass
				30	3.85	13.661	0.0079	-2.5 to 2.5	Pass
				40	3.85	18.110	0.0105	-2.5 to 2.5	Pass
				50	3.85	23.789	0.0137	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-12.174	-0.0070	-2.5 to 2.5	Pass
					3.85	-13.132	-0.0075	-2.5 to 2.5	Pass
					4.43	-26.565	-0.0152	-2.5 to 2.5	Pass
				-30	3.85	-39.353	-0.0226	-2.5 to 2.5	Pass
				-20	3.85	-14.849	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-28.982	-0.0166	-2.5 to 2.5	Pass
				0	3.85	-38.881	-0.0223	-2.5 to 2.5	Pass
				10	3.85	-12.989	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-36.635	-0.0210	-2.5 to 2.5	Pass
				40	3.85	-16.022	-0.0092	-2.5 to 2.5	Pass
				50	3.85	8.912	0.0051	-2.5 to 2.5	Pass

3. Modulation Characteristics

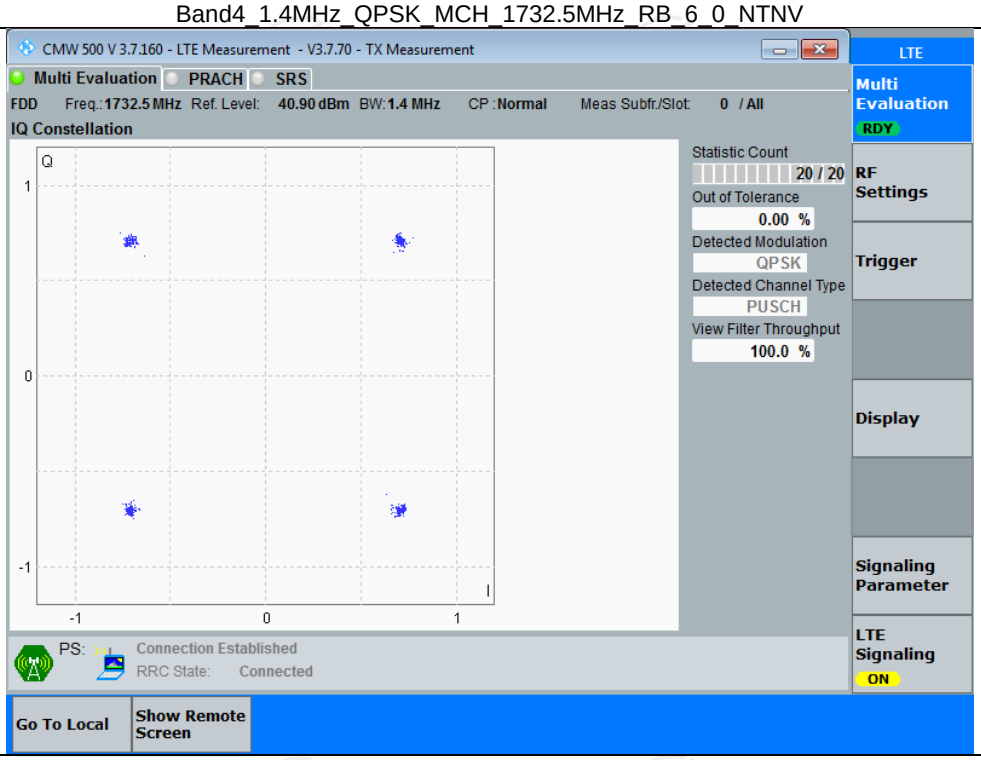
3.1 B4_1.4MHz

3.1.1 Test Result

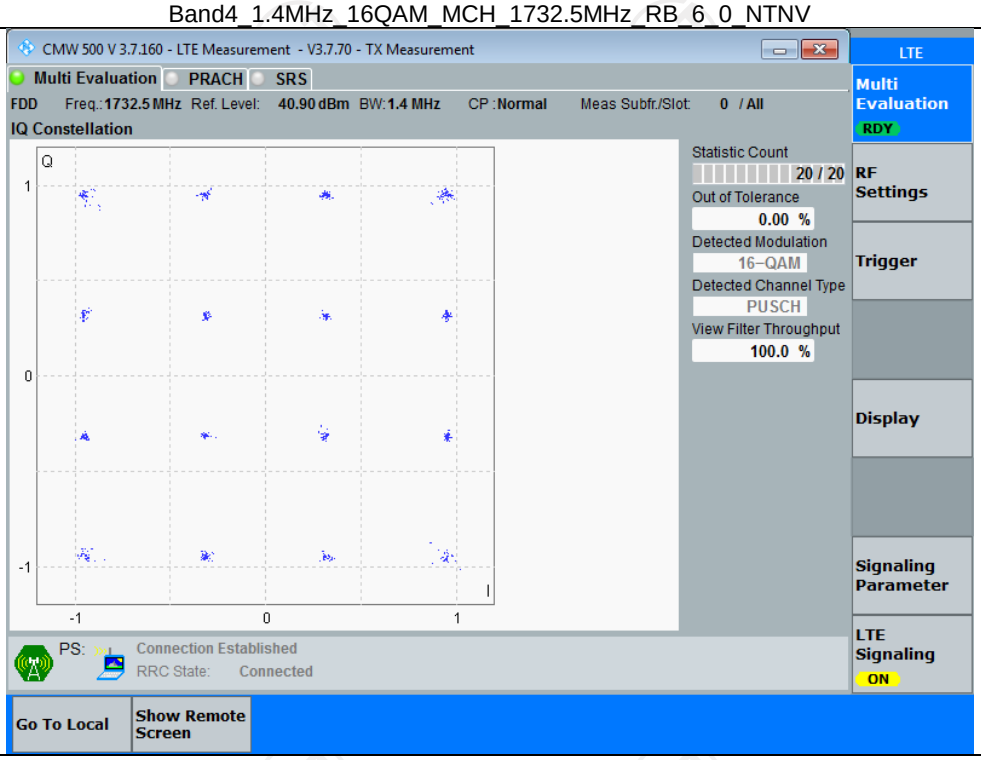
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



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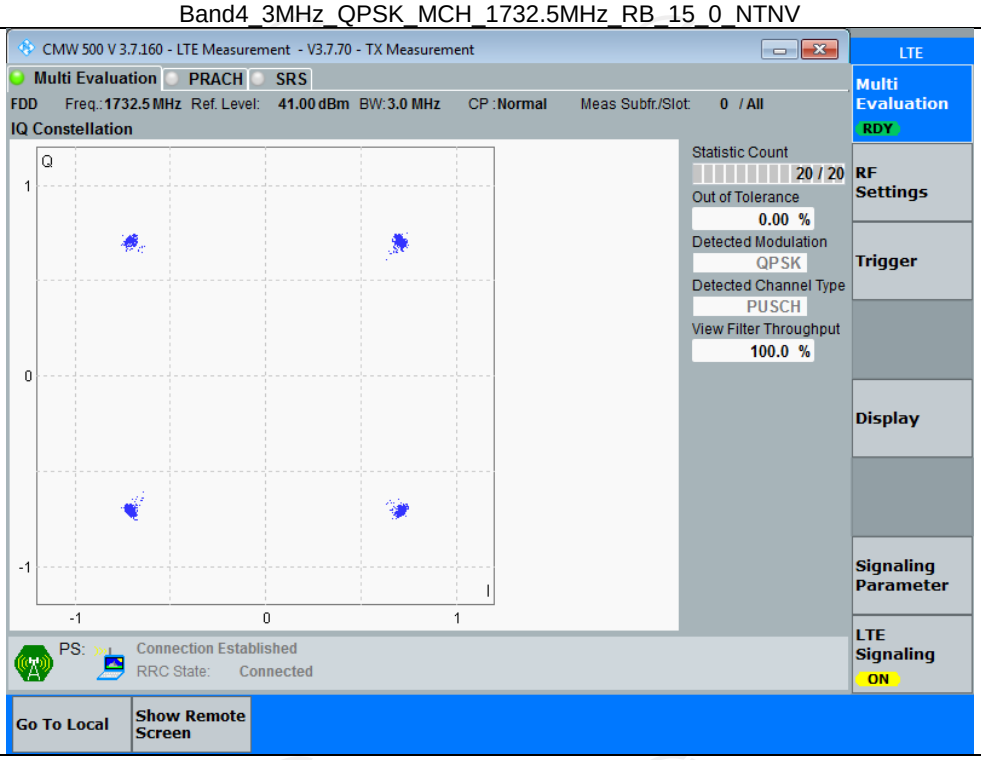
3.2 B4_3MHz

3.2.1 Test Result

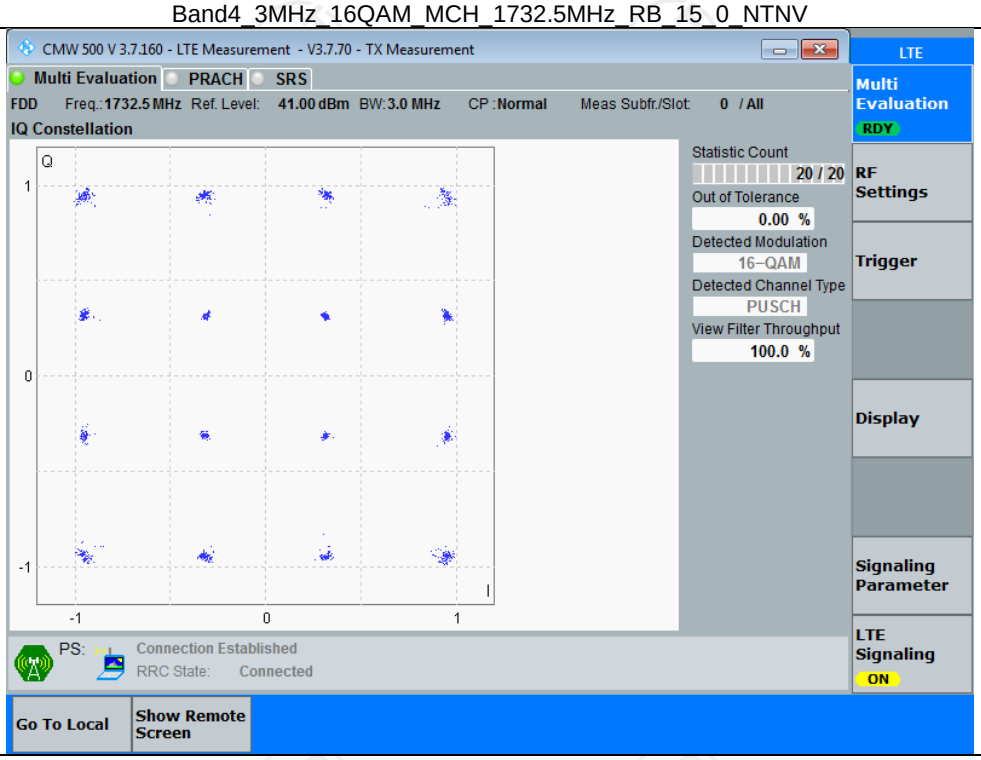
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



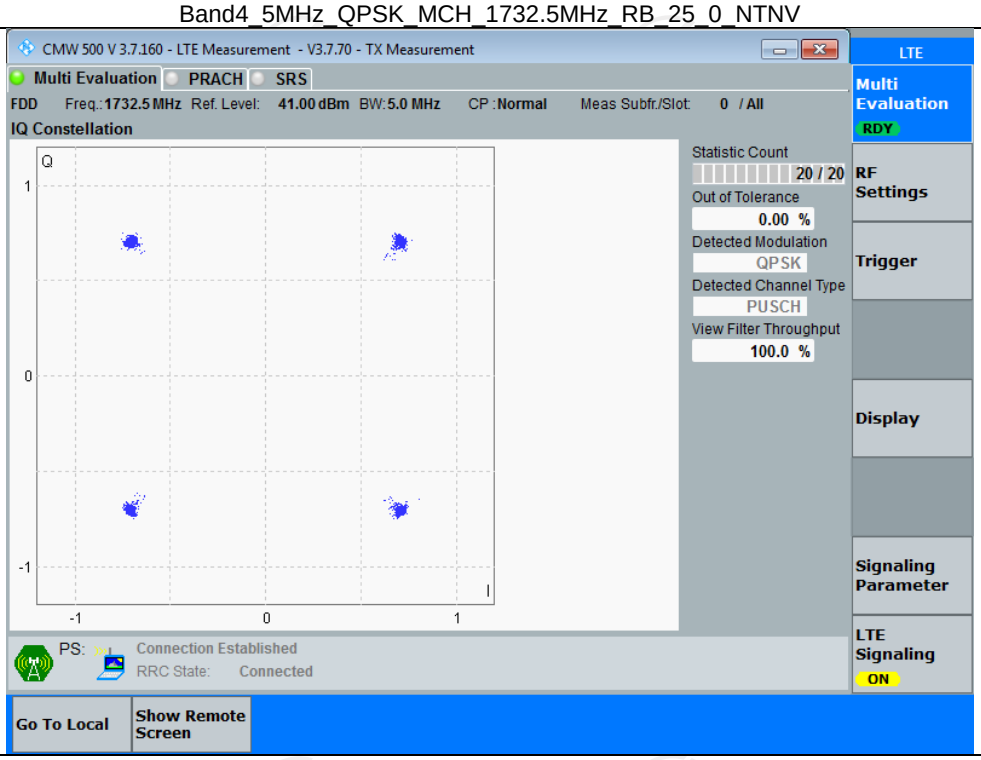
3.3 B4_5MHz

3.3.1 Test Result

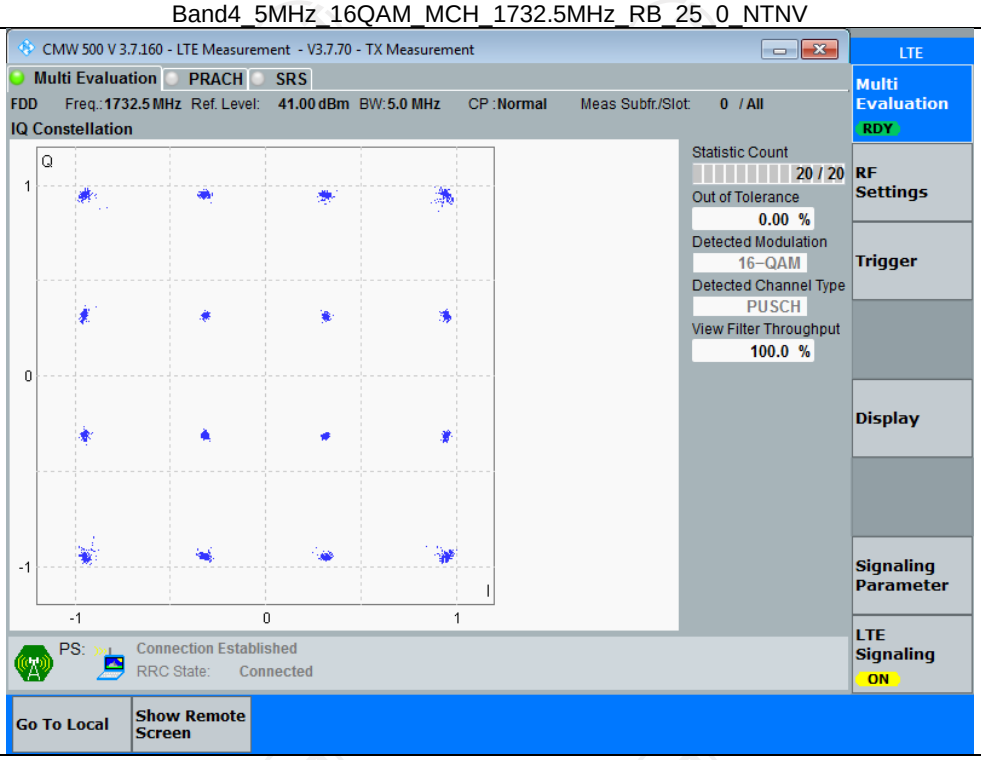
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



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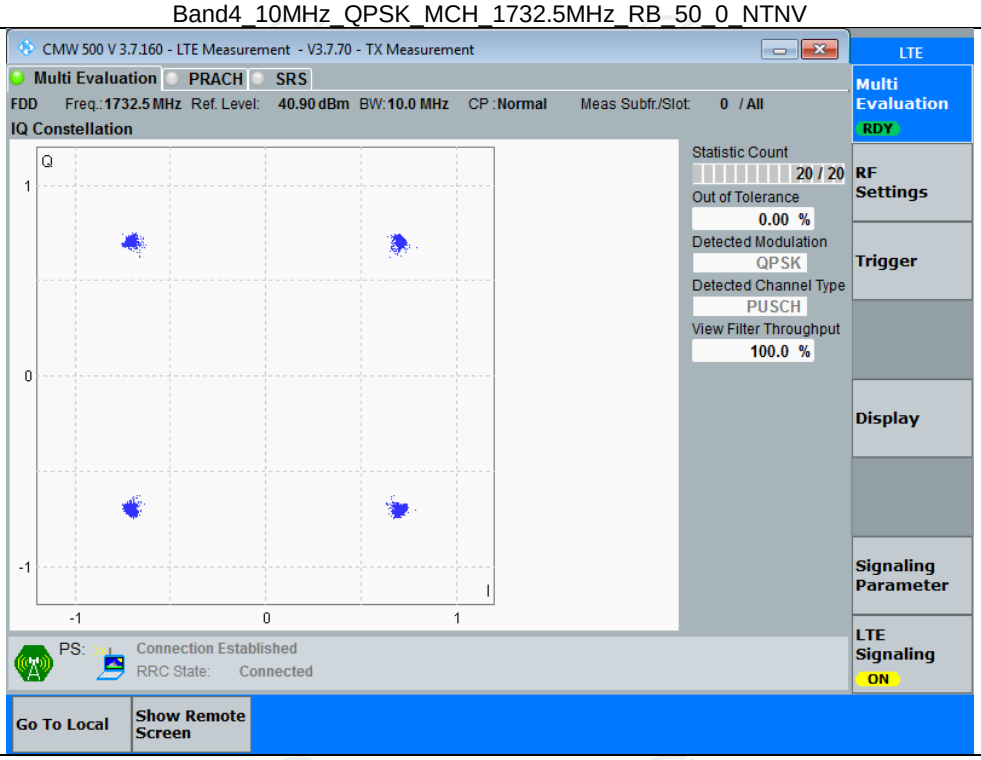
3.4 B4_10MHz

3.4.1 Test Result

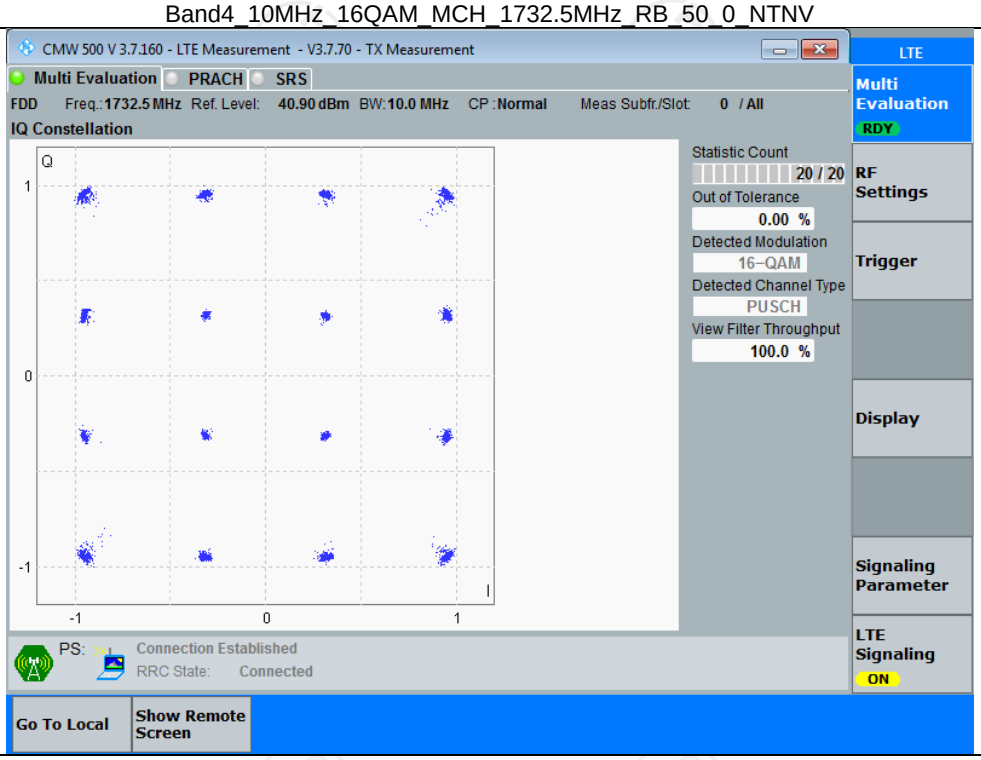
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



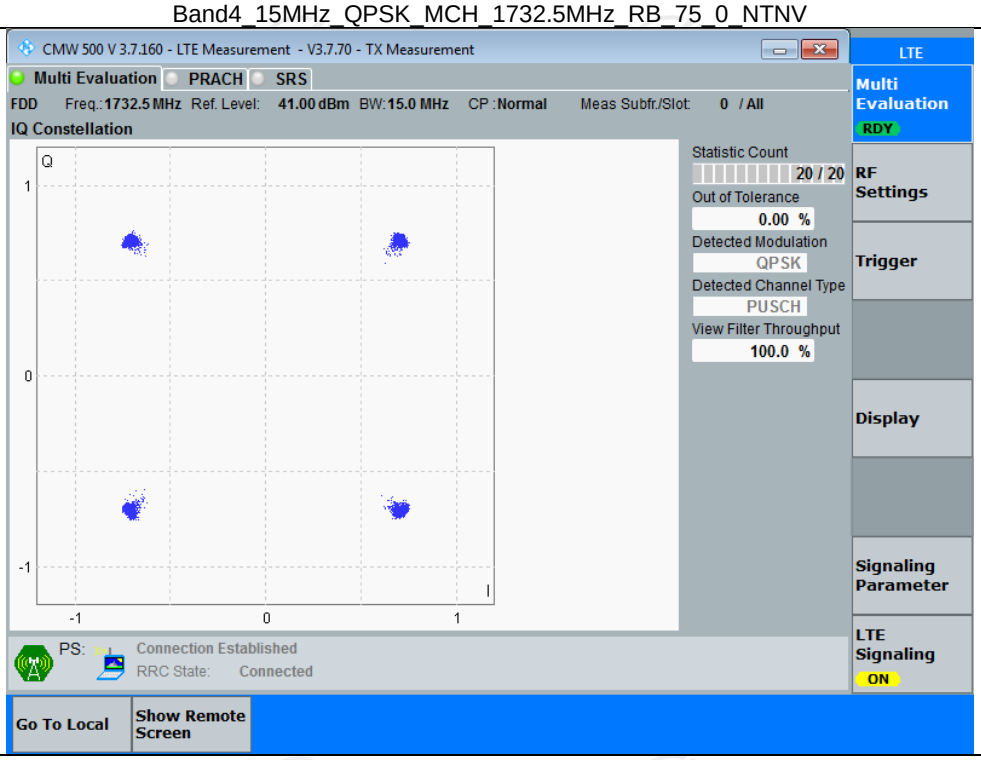
3.5 B4_15MHz

3.5.1 Test Result

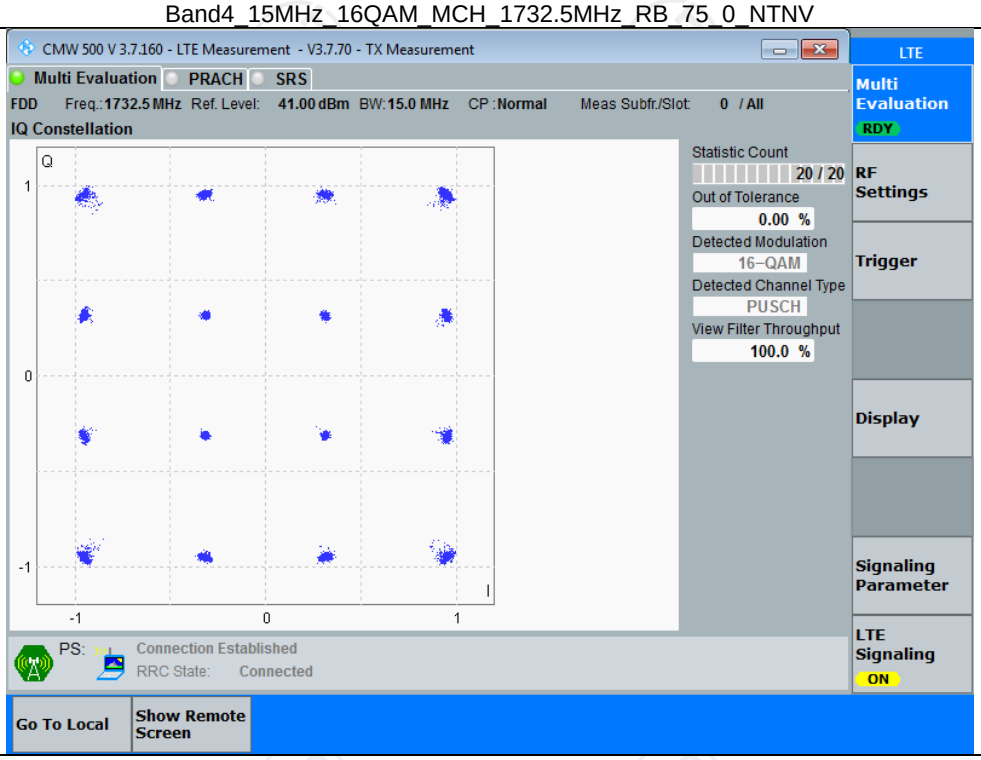
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



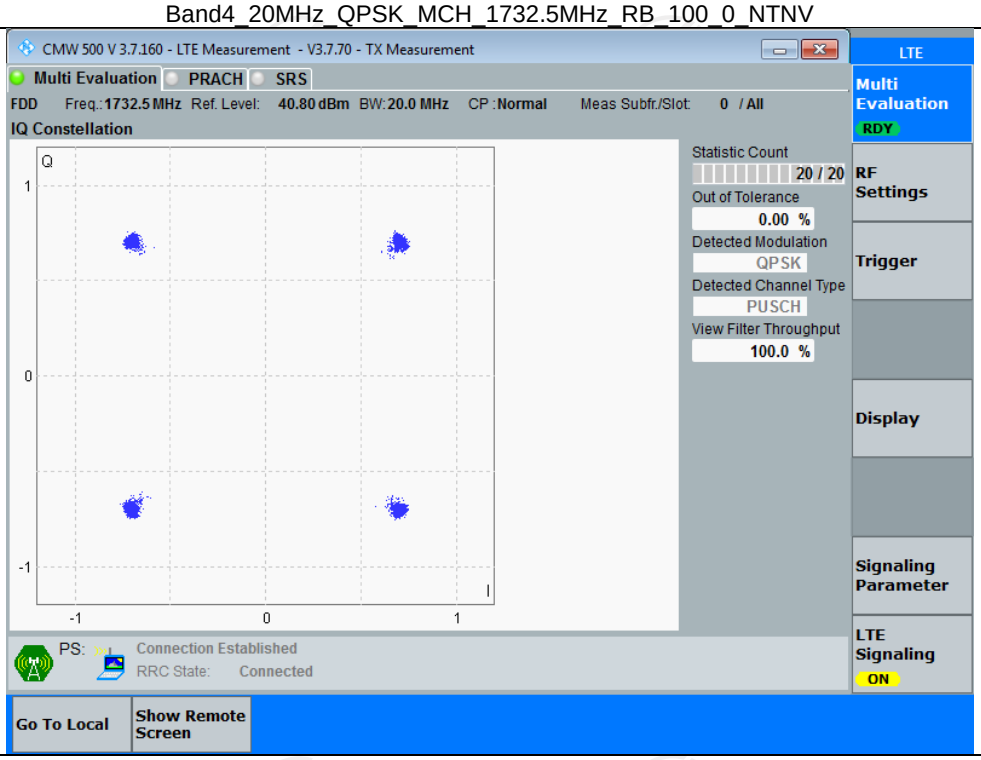
3.6 B4_20MHz

3.6.1 Test Result

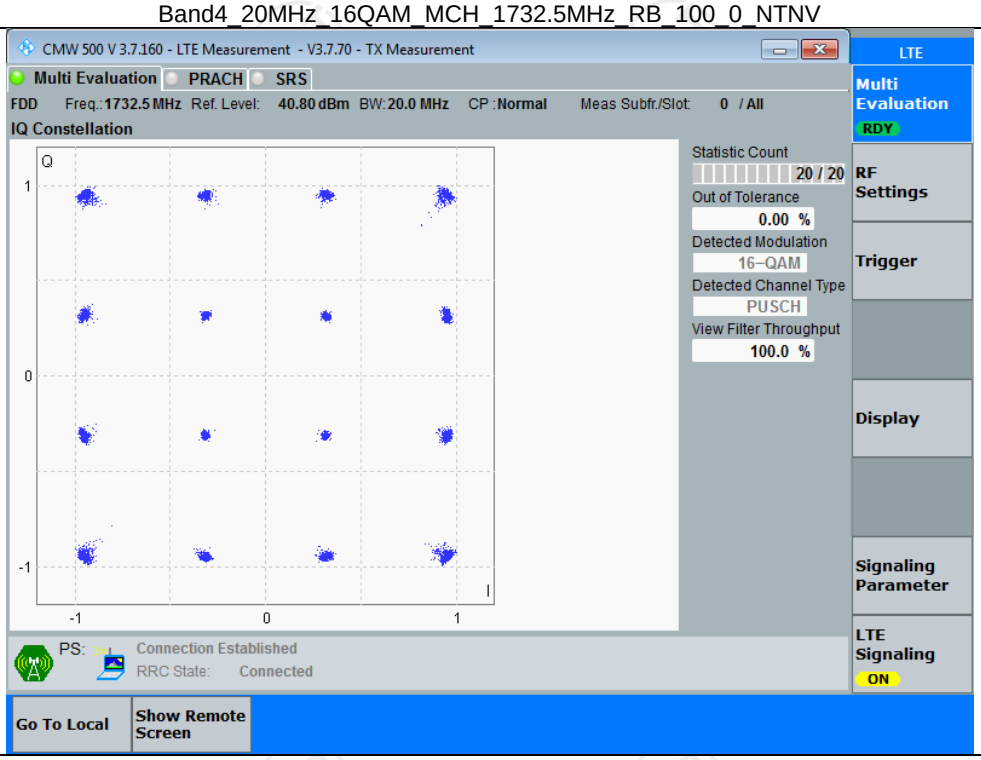
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.6.2 Test Graph

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

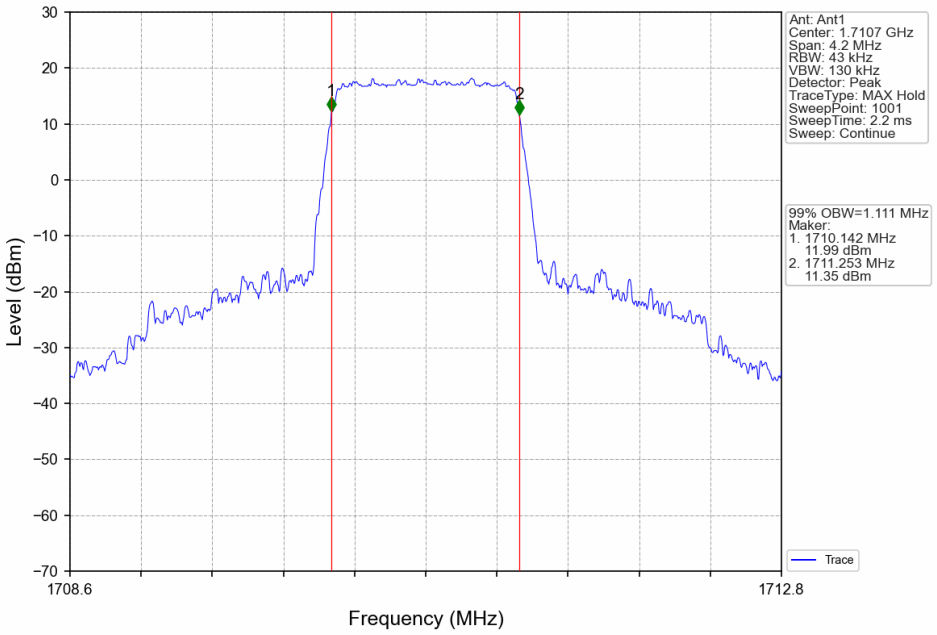
4.1 Band4_OBW

4.1.1 Test Result

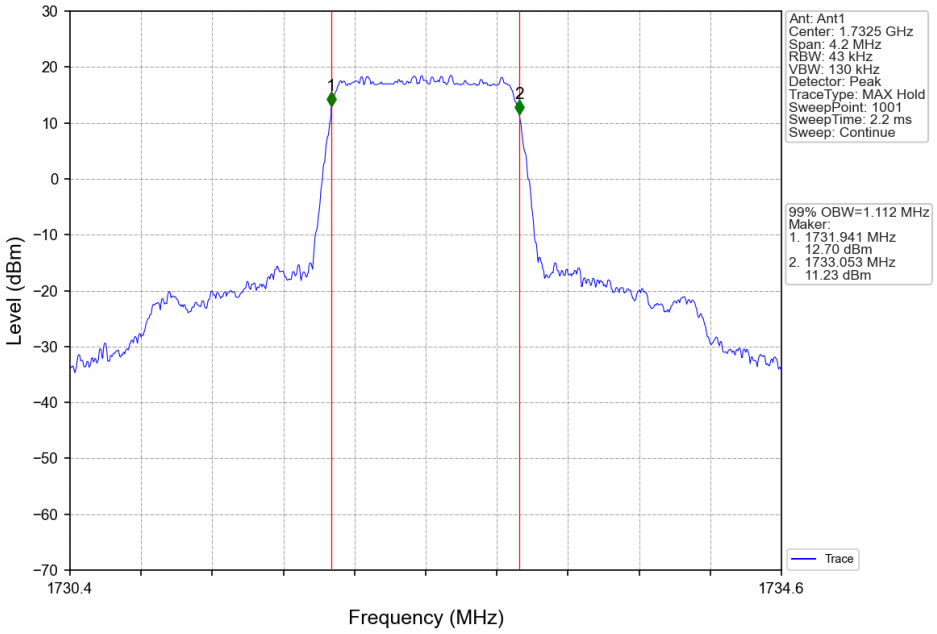
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.111	Pass
		1732.5	6	0	1.112	Pass
		1754.3	6	0	1.114	Pass
	16QAM	1710.7	6	0	1.108	Pass
		1732.5	6	0	1.115	Pass
		1754.3	6	0	1.117	Pass
3	QPSK	1711.5	15	0	2.762	Pass
		1732.5	15	0	2.760	Pass
		1753.5	15	0	2.756	Pass
	16QAM	1711.5	15	0	2.755	Pass
		1732.5	15	0	2.752	Pass
		1753.5	15	0	2.758	Pass
5	QPSK	1712.5	25	0	4.570	Pass
		1732.5	25	0	4.550	Pass
		1752.5	25	0	4.541	Pass
	16QAM	1712.5	25	0	4.551	Pass
		1732.5	25	0	4.553	Pass
		1752.5	25	0	4.582	Pass
10	QPSK	1715	50	0	9.052	Pass
		1732.5	50	0	9.056	Pass
		1750	50	0	9.076	Pass
	16QAM	1715	50	0	9.058	Pass
		1732.5	50	0	9.076	Pass
		1750	50	0	9.086	Pass
15	QPSK	1717.5	75	0	13.586	Pass
		1732.5	75	0	13.551	Pass
		1747.5	75	0	13.625	Pass
	16QAM	1717.5	75	0	13.612	Pass
		1732.5	75	0	13.643	Pass
		1747.5	75	0	13.642	Pass
20	QPSK	1720	100	0	18.095	Pass
		1732.5	100	0	18.123	Pass
		1745	100	0	18.224	Pass
	16QAM	1720	100	0	18.134	Pass
		1732.5	100	0	18.109	Pass
		1745	100	0	18.151	Pass

4.1.2 Test Graph

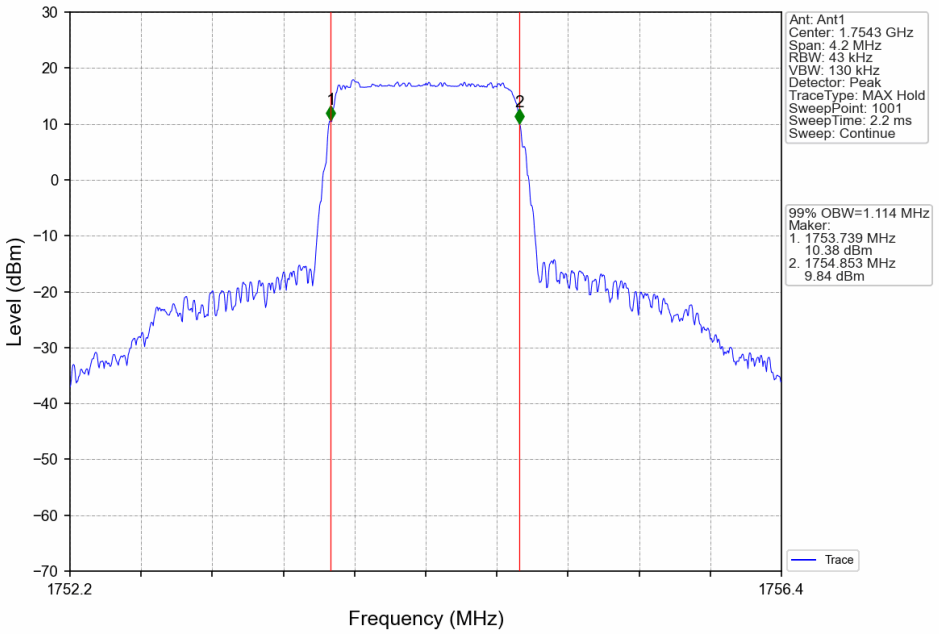
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



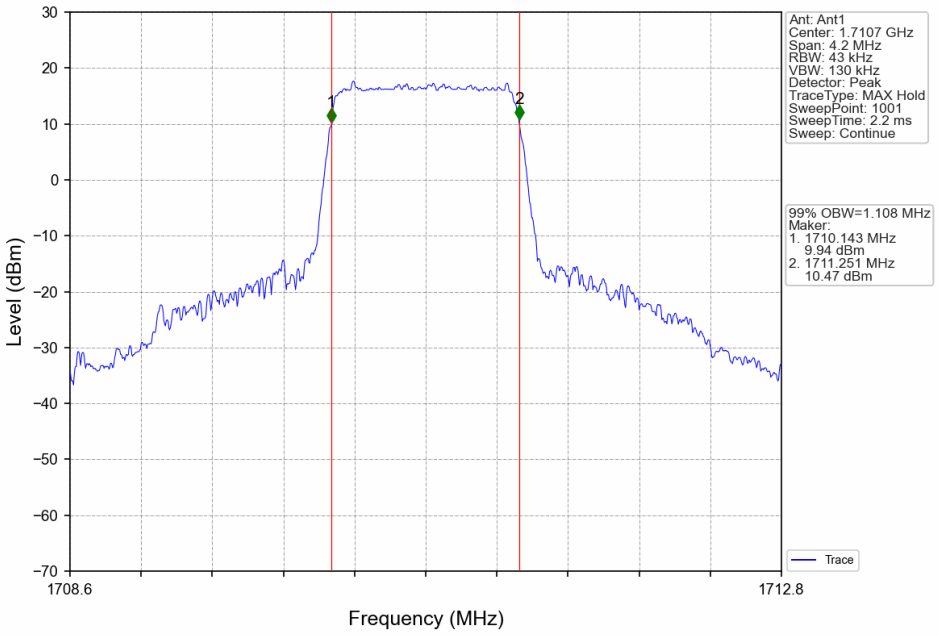
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



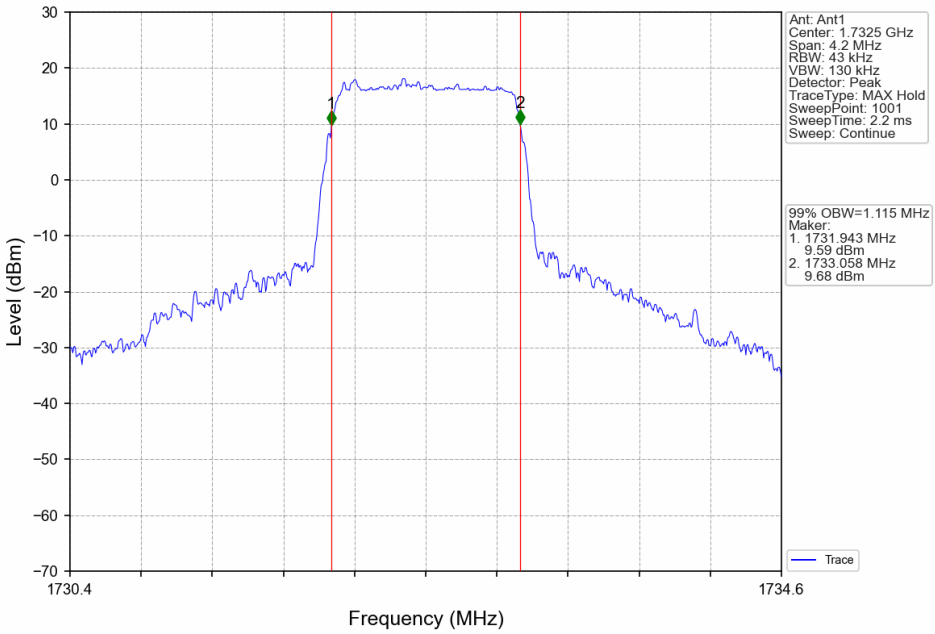
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



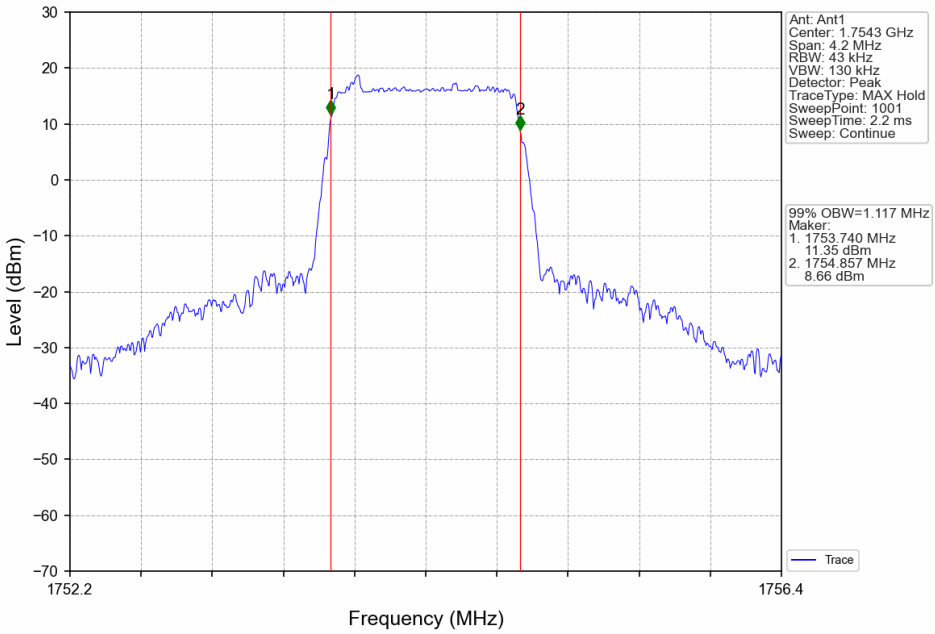
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



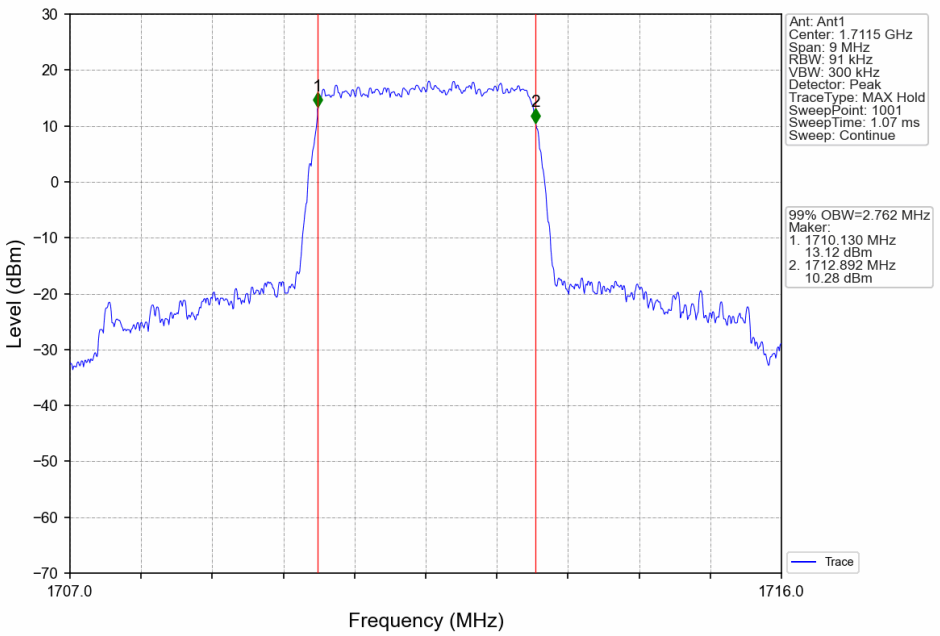
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



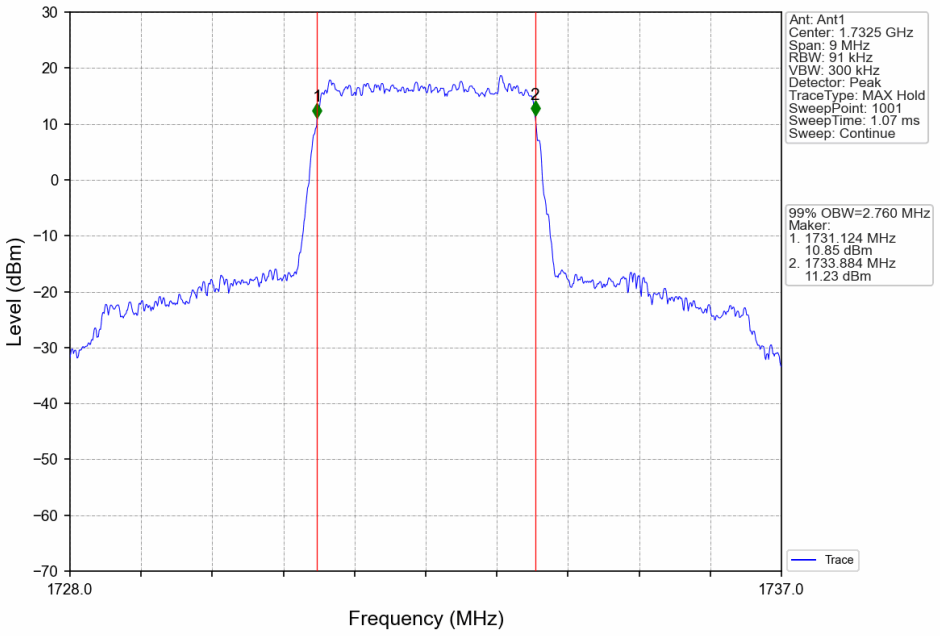
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



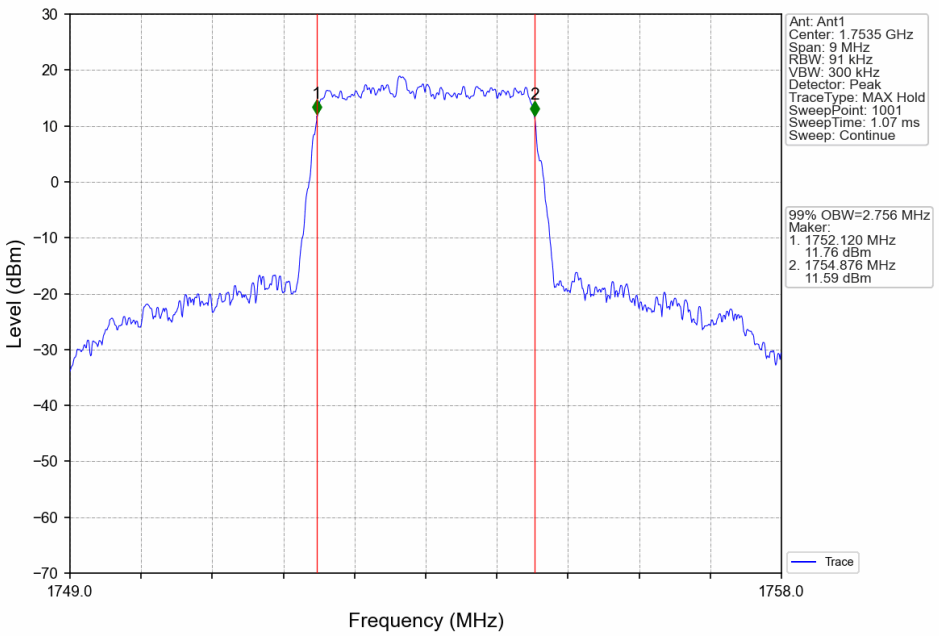
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



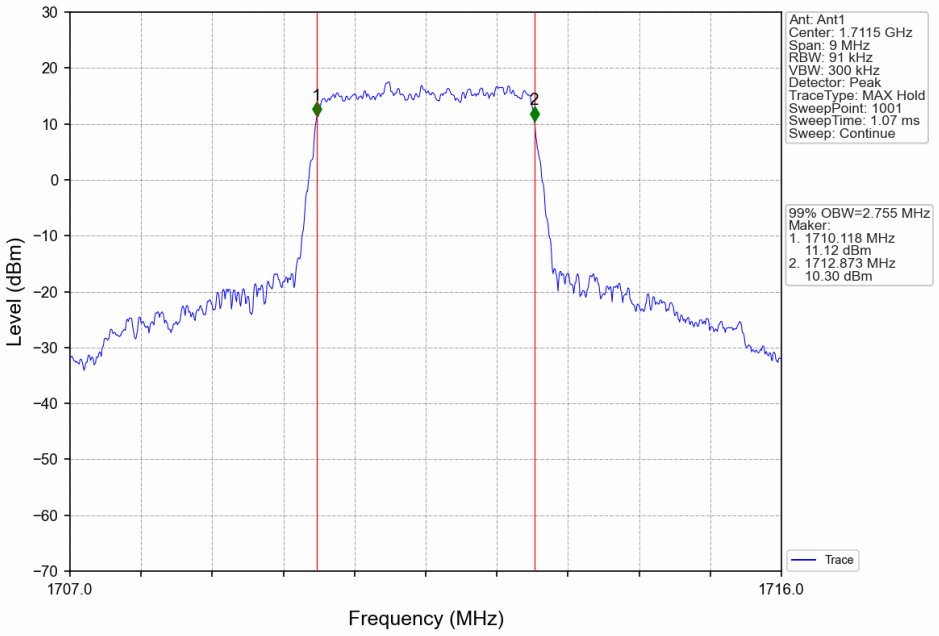
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



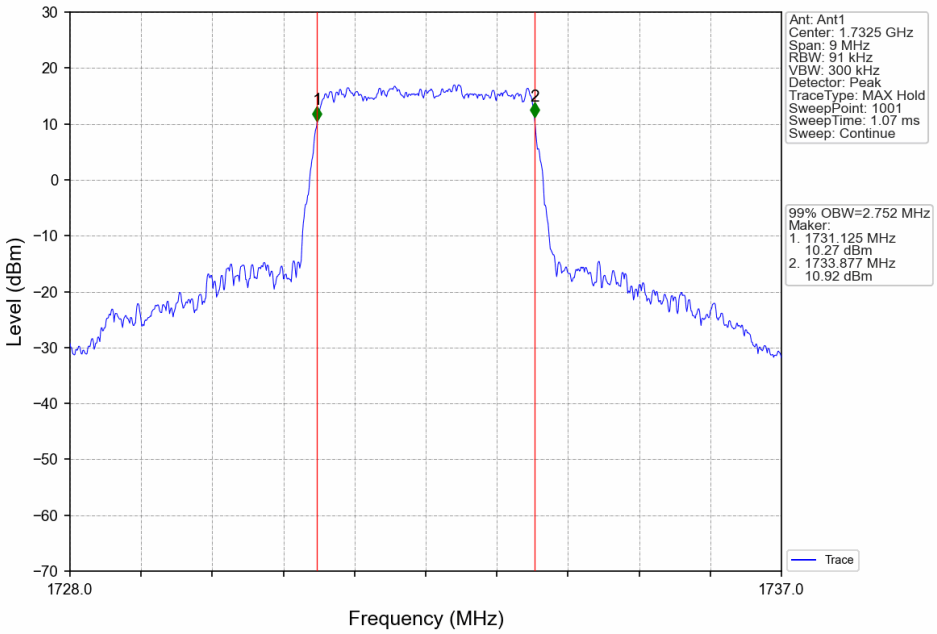
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



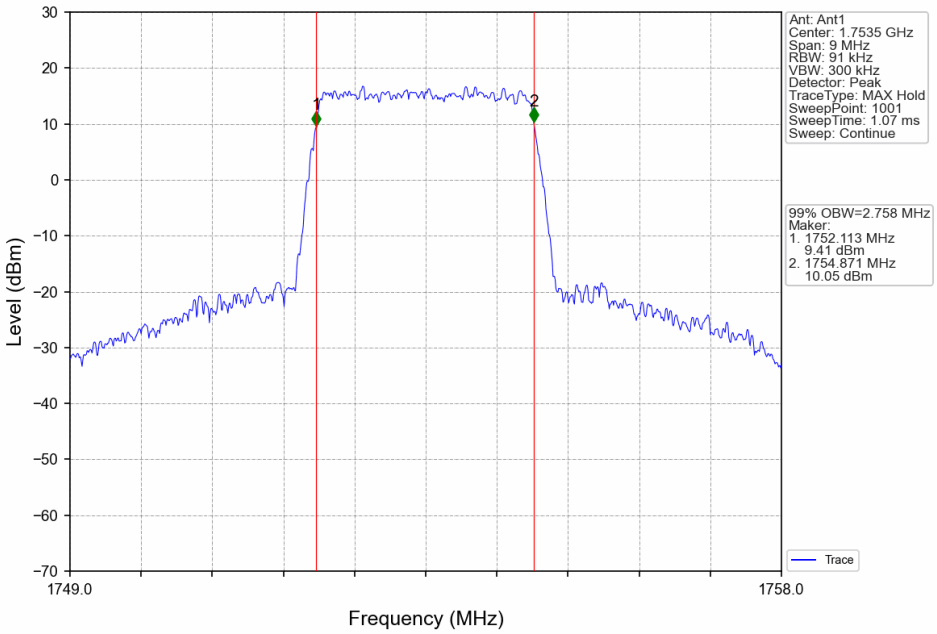
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



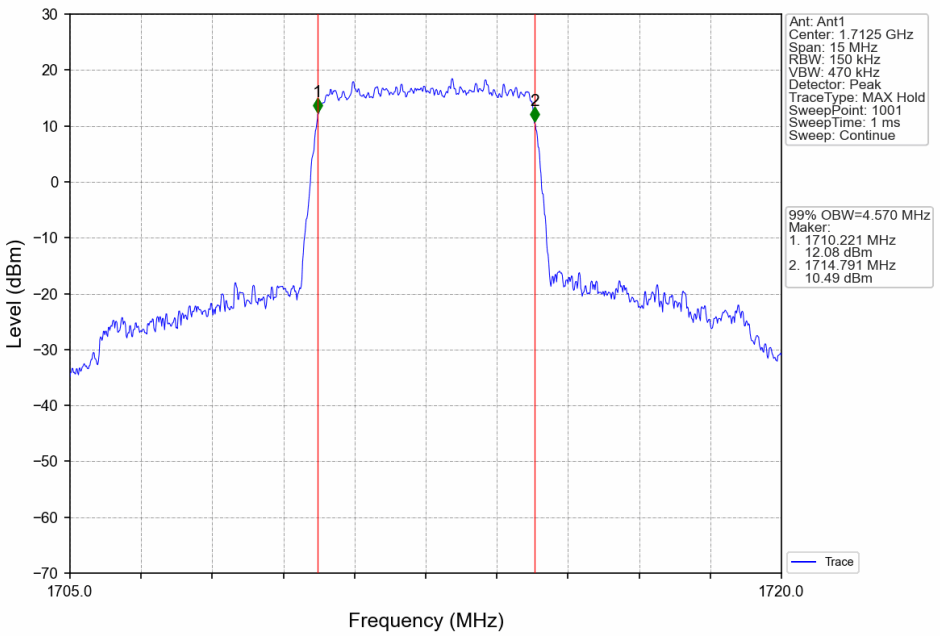
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



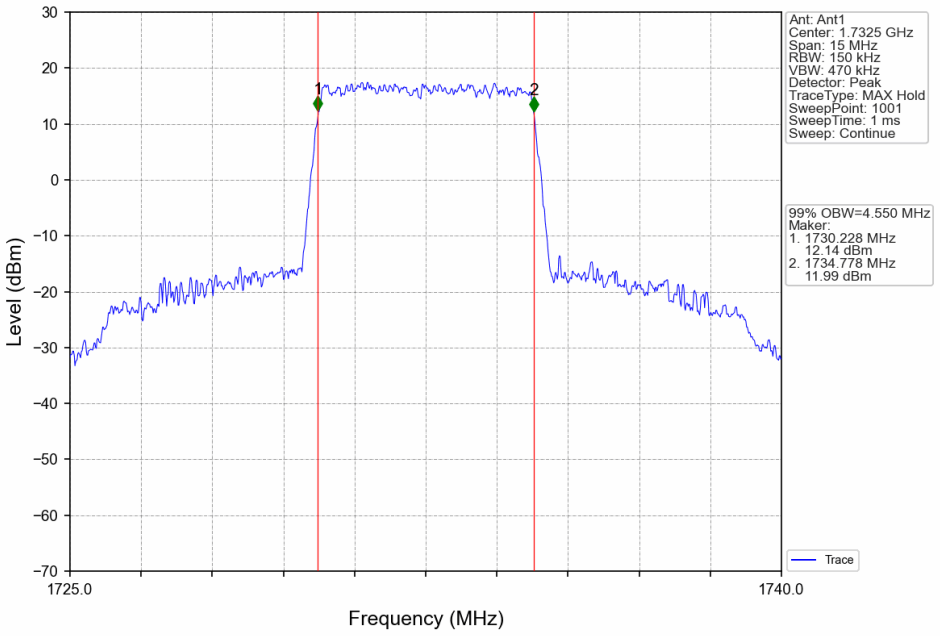
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



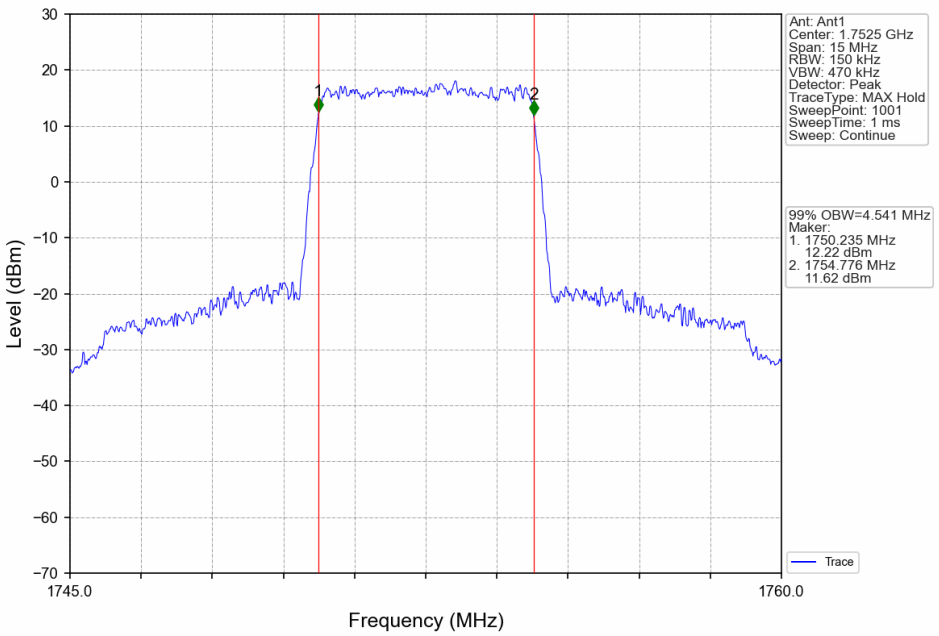
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



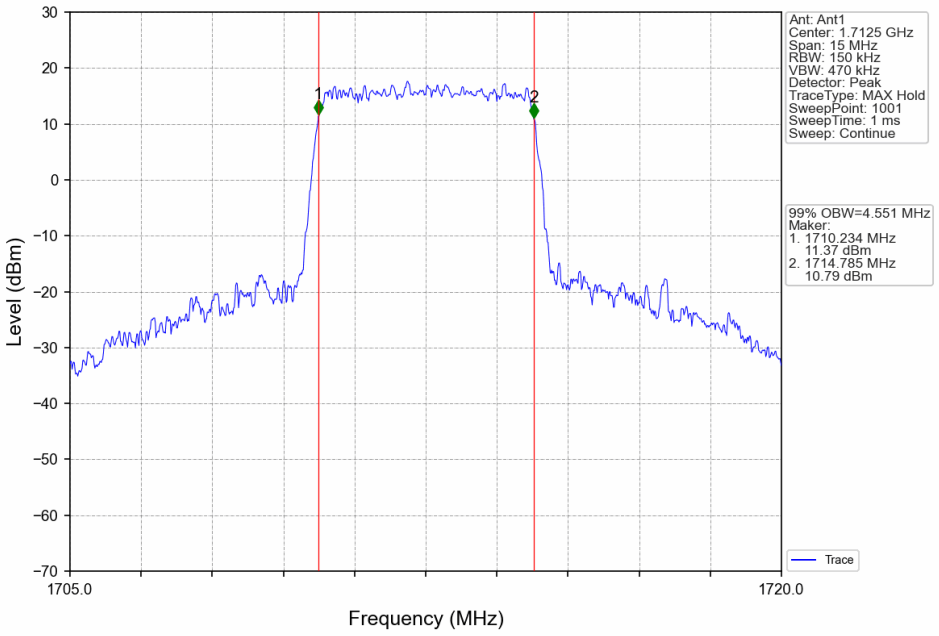
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



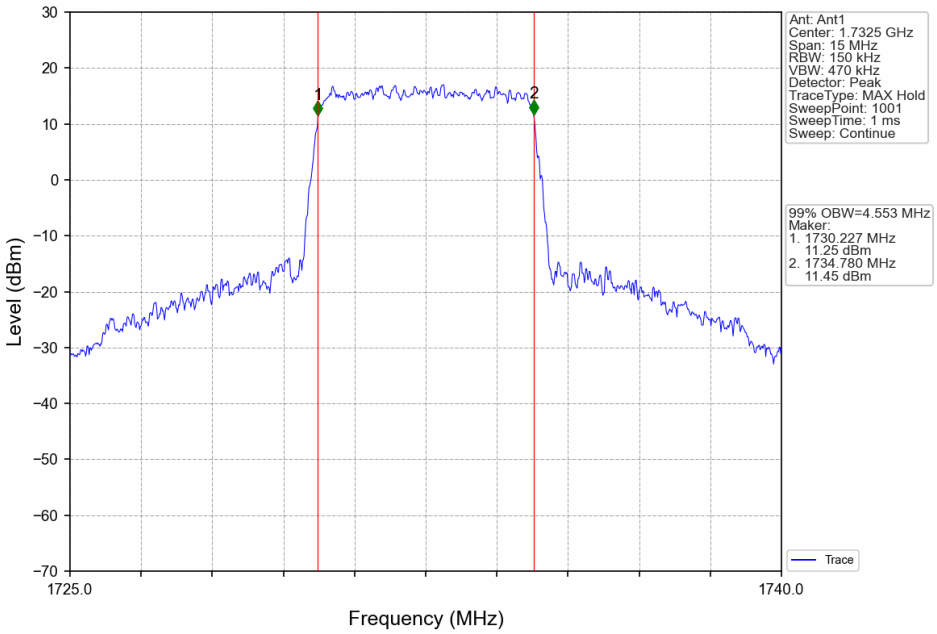
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



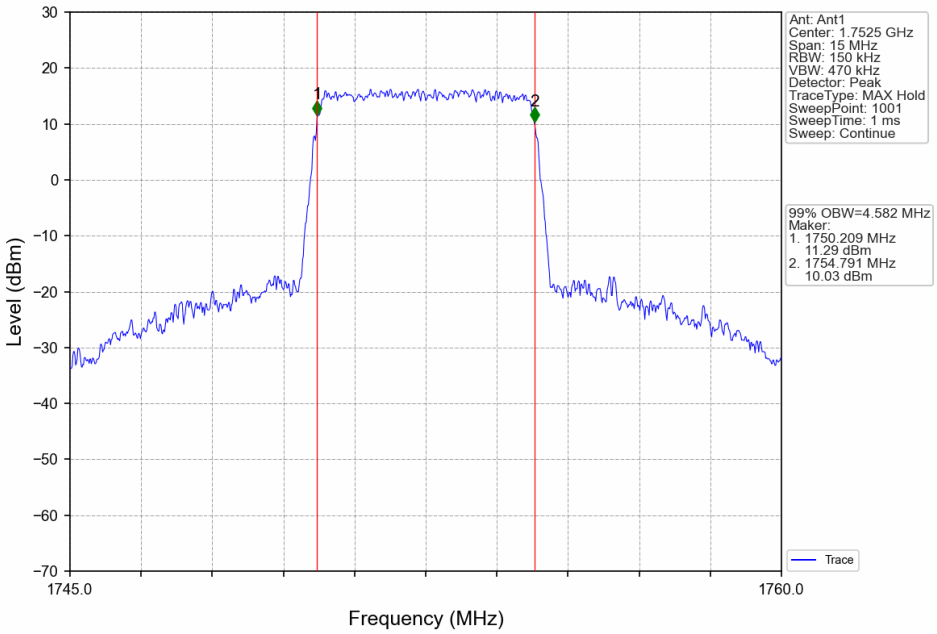
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



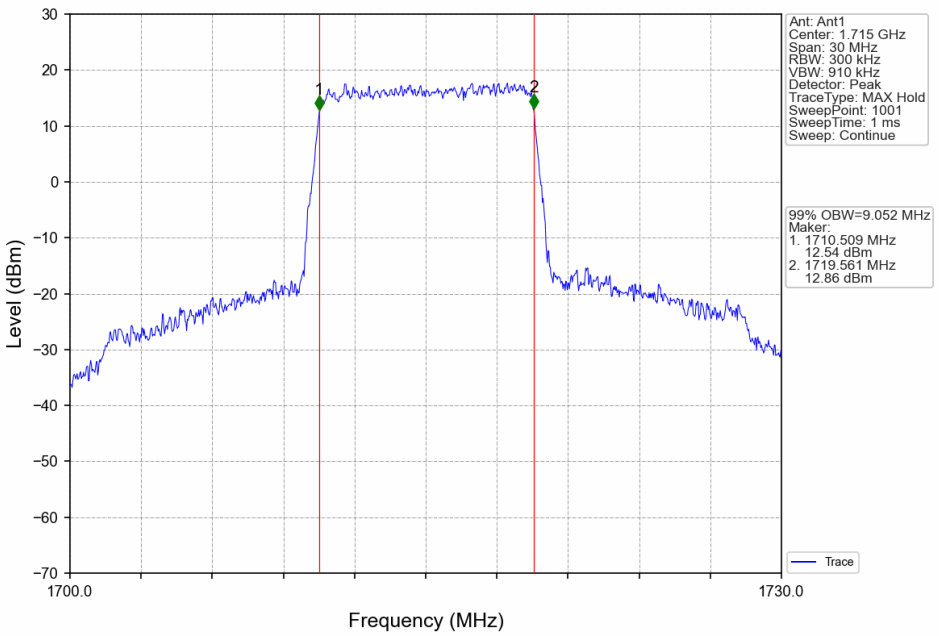
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



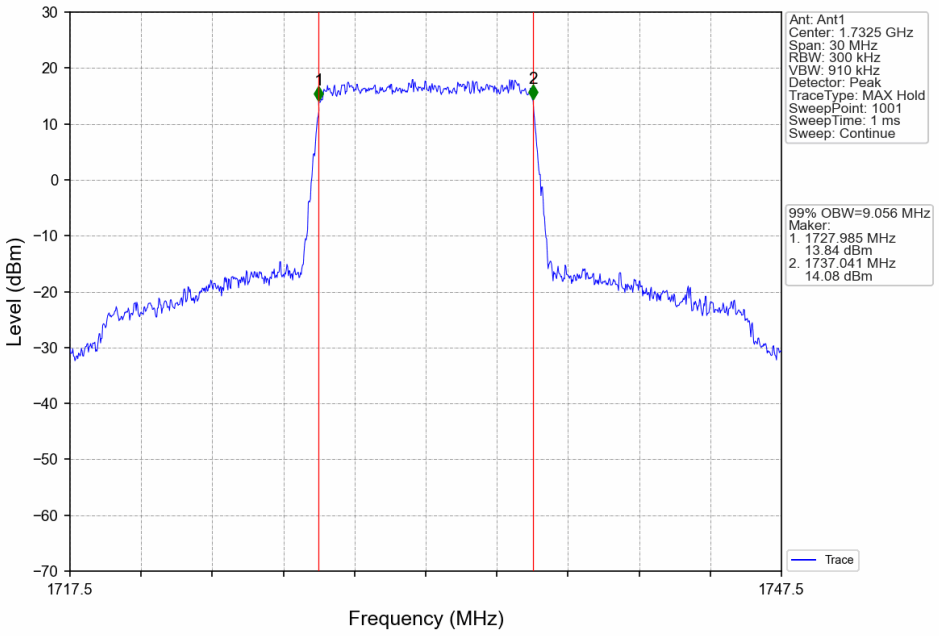
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



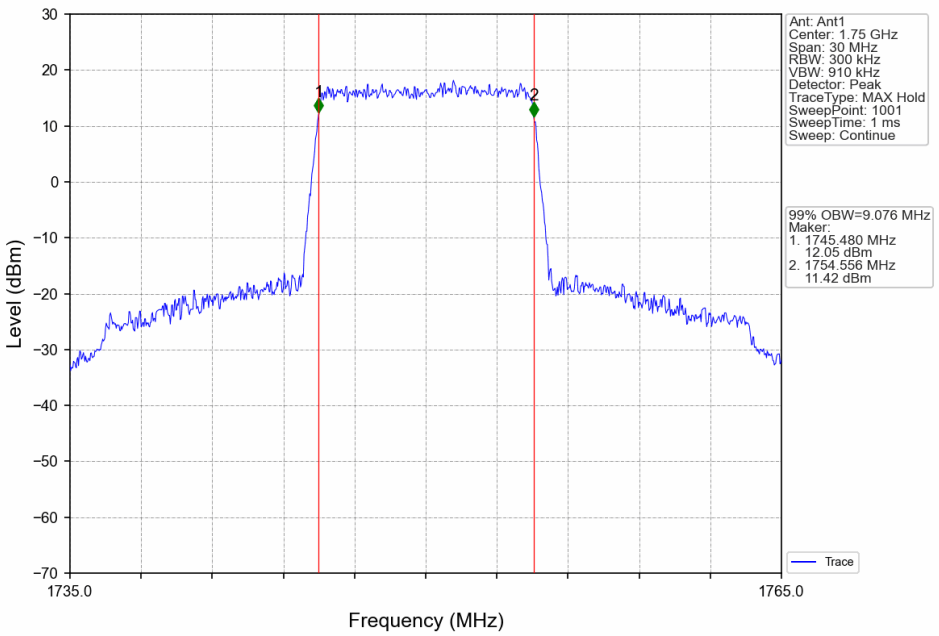
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



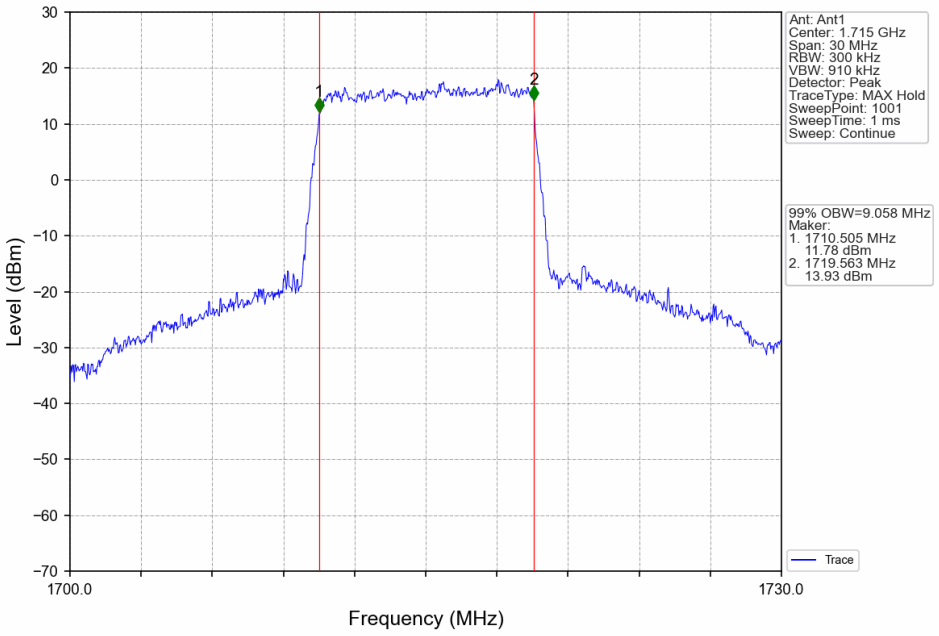
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



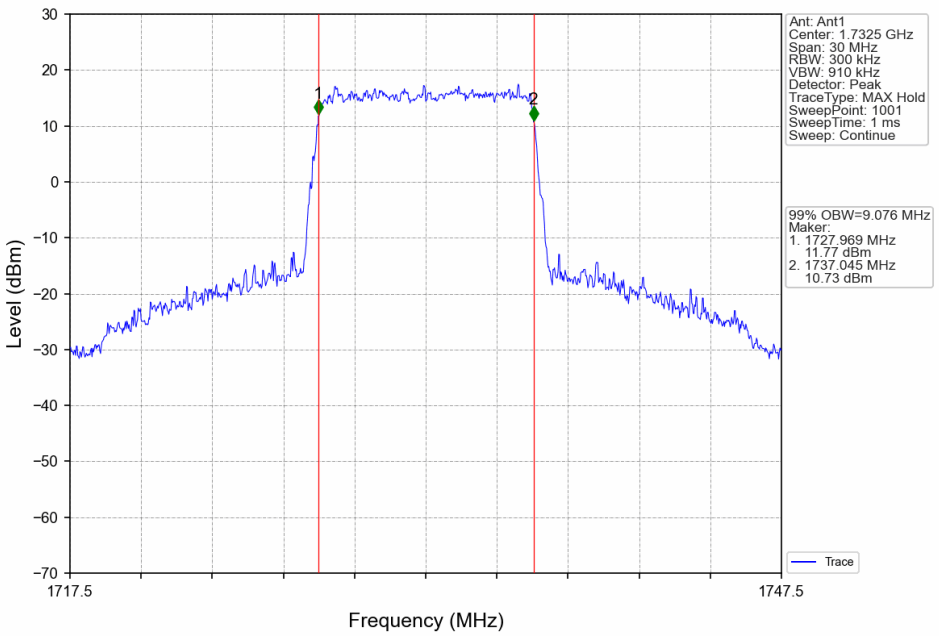
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



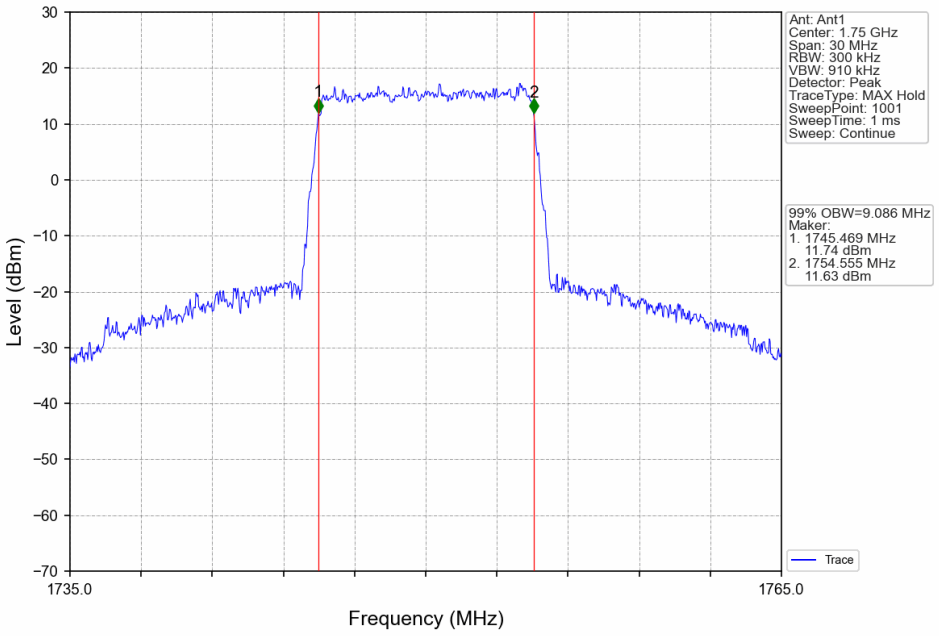
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



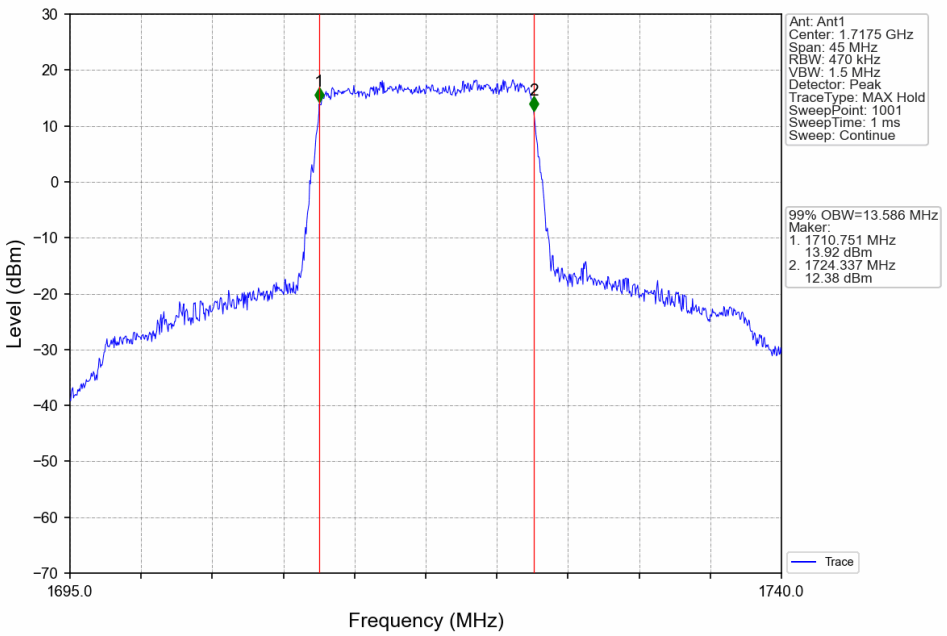
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



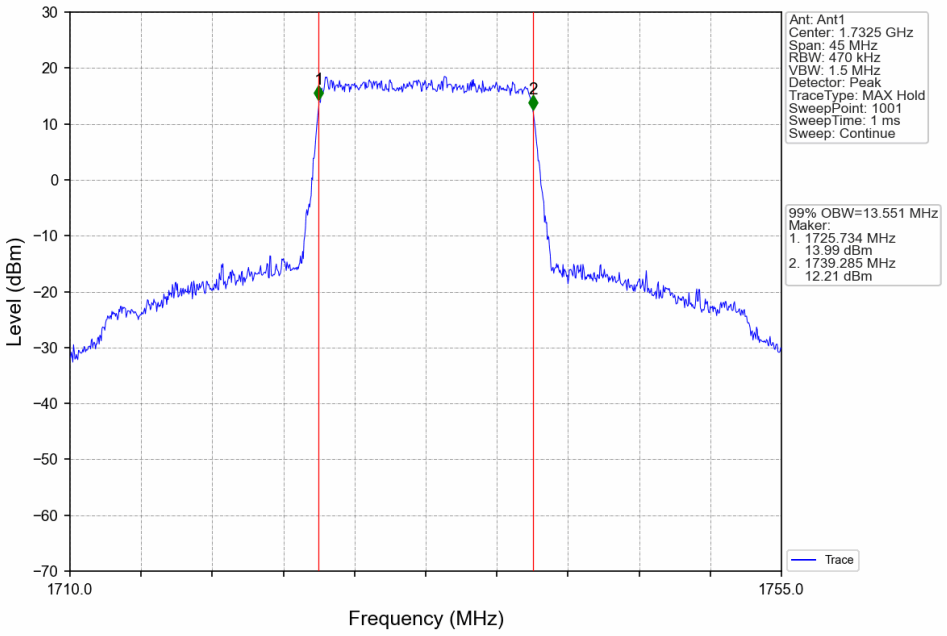
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



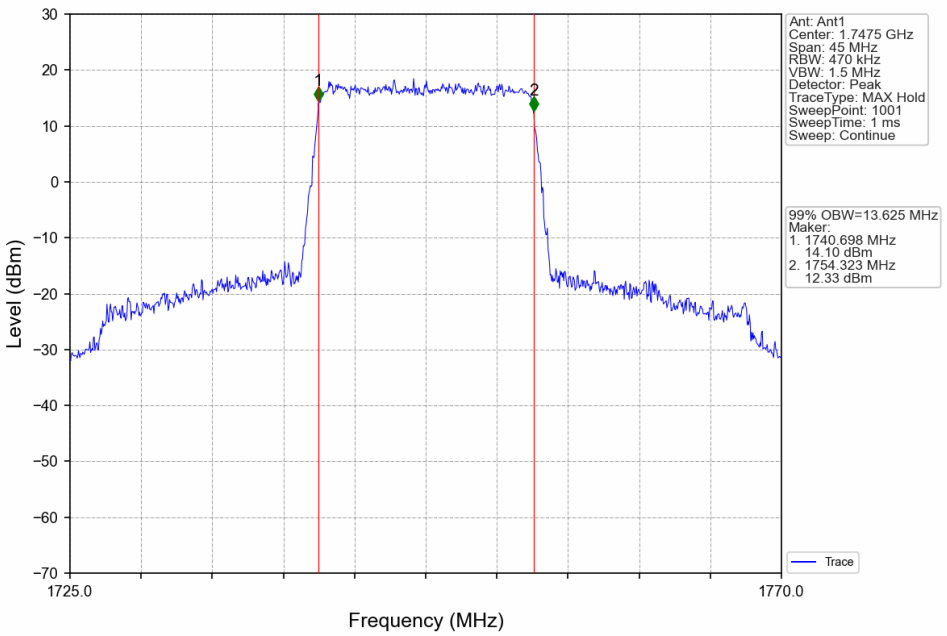
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



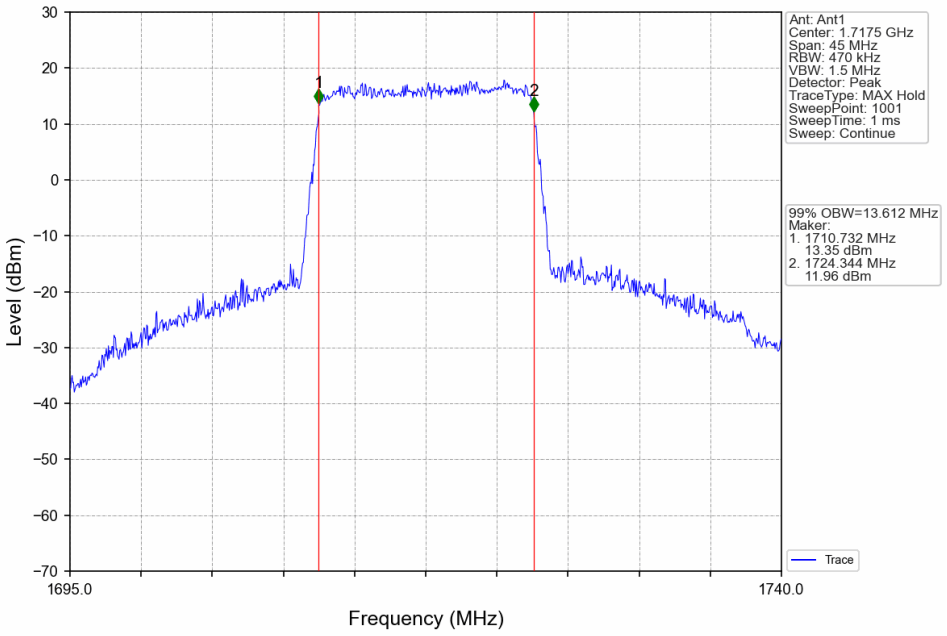
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



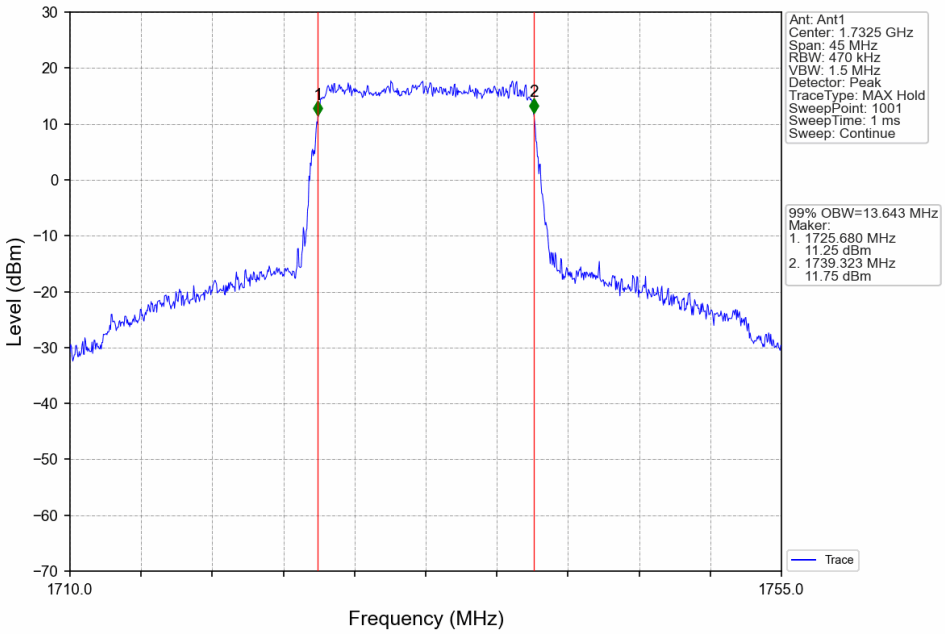
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



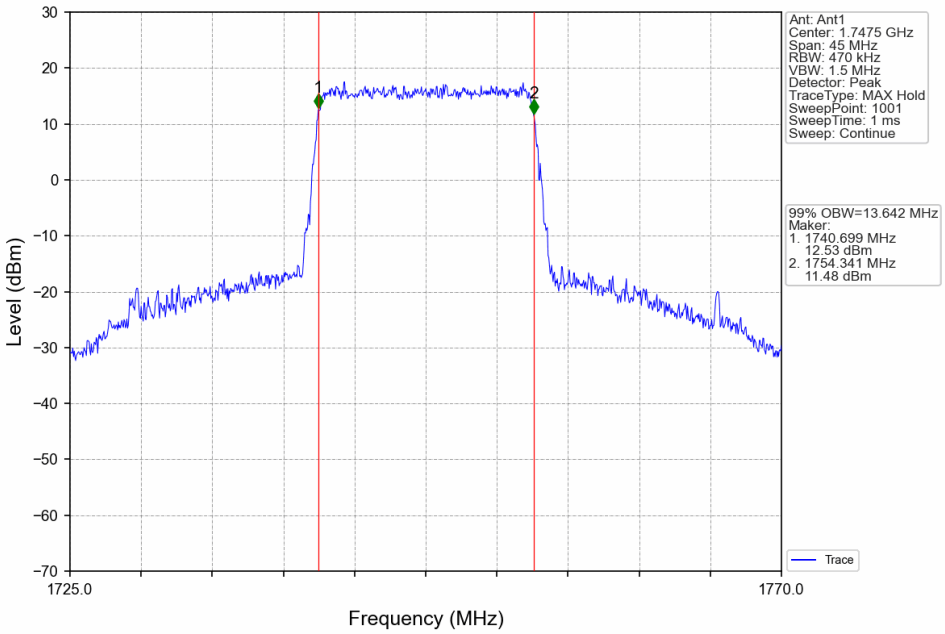
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



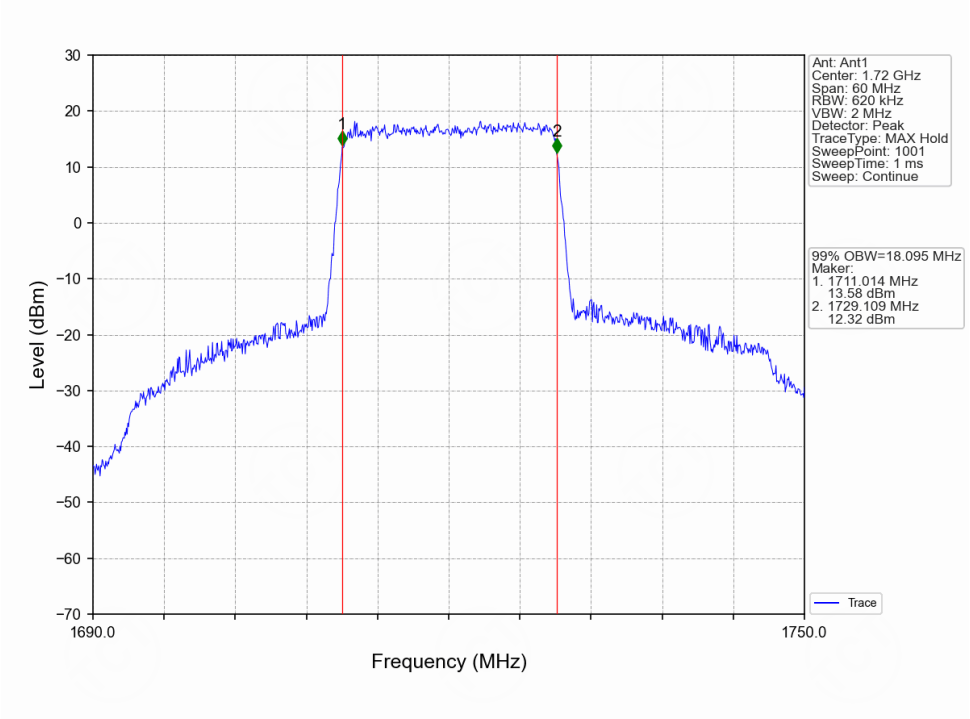
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



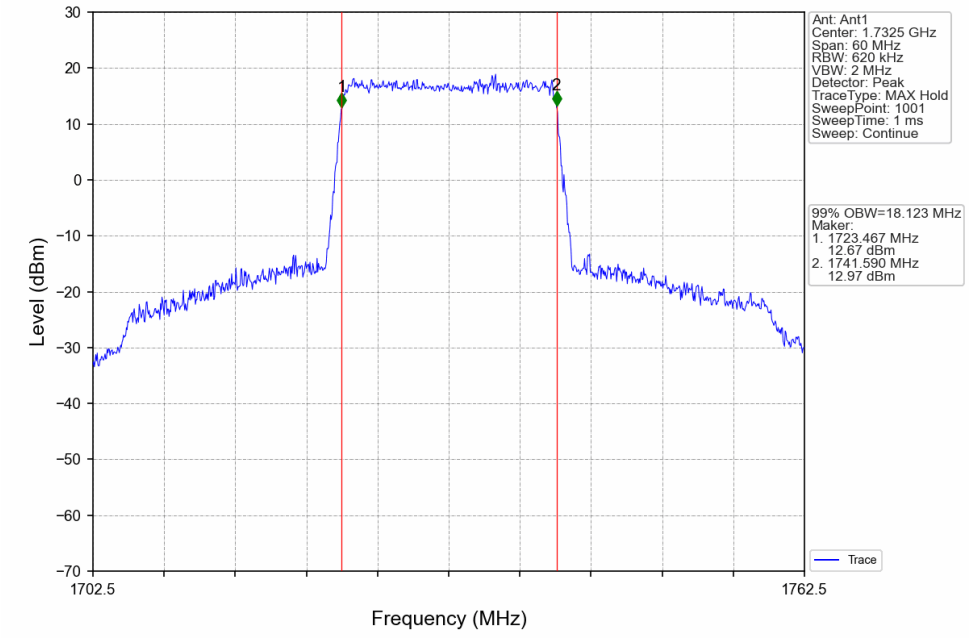
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



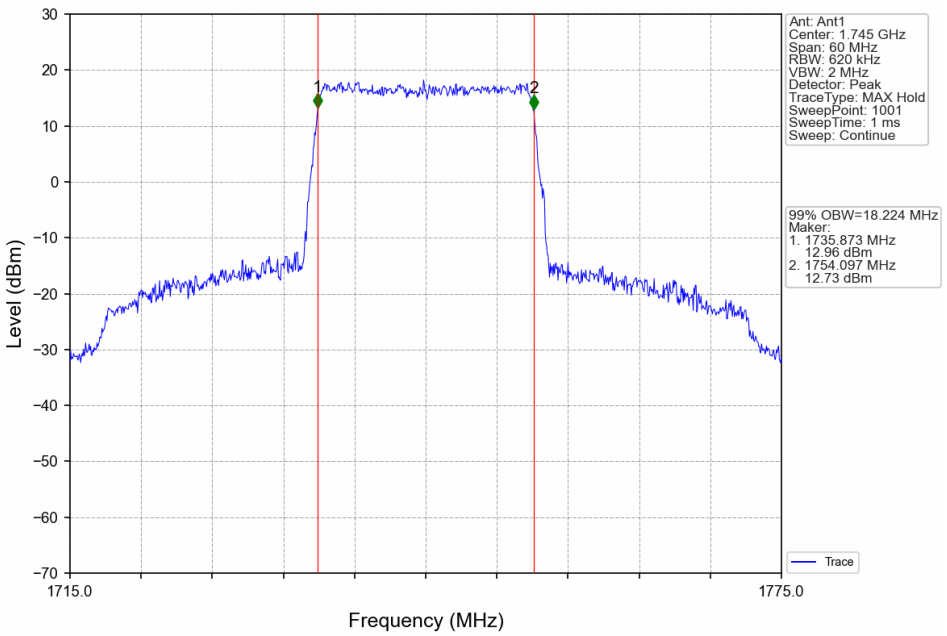
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



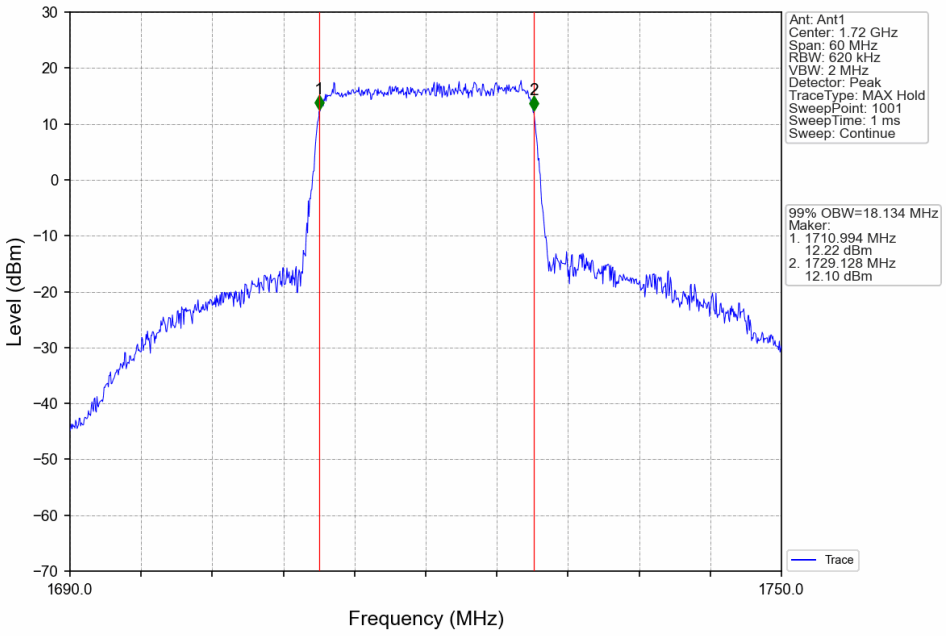
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



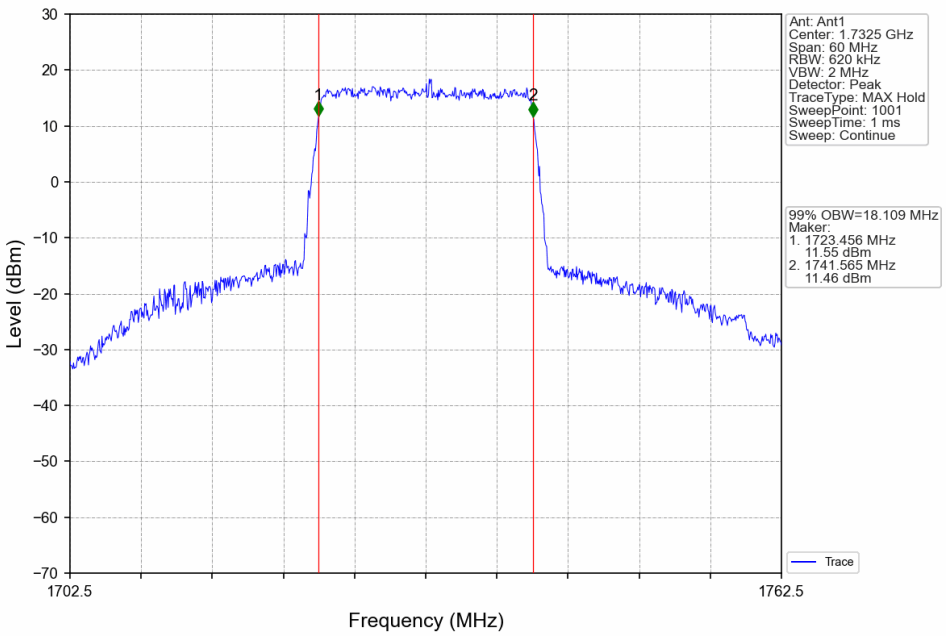
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



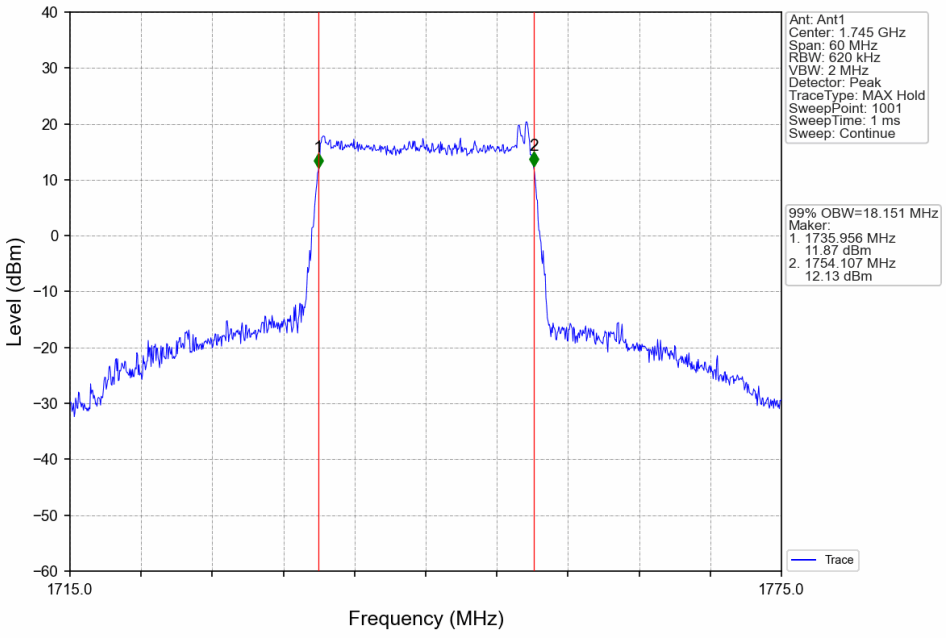
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



4.2 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	1.284	Pass
		1732.5	6	0	1.271	Pass
		1754.3	6	0	1.278	Pass
	16QAM	1710.7	6	0	1.270	Pass
		1732.5	6	0	1.274	Pass
		1754.3	6	0	1.282	Pass
3	QPSK	1711.5	15	0	3.110	Pass
		1732.5	15	0	3.101	Pass
		1753.5	15	0	3.089	Pass
	16QAM	1711.5	15	0	3.097	Pass
		1732.5	15	0	3.110	Pass
		1753.5	15	0	3.111	Pass
5	QPSK	1712.5	25	0	5.061	Pass
		1732.5	25	0	5.056	Pass
		1752.5	25	0	5.048	Pass
	16QAM	1712.5	25	0	5.004	Pass
		1732.5	25	0	5.091	Pass
		1752.5	25	0	5.093	Pass
10	QPSK	1715	50	0	10.060	Pass
		1732.5	50	0	10.007	Pass
		1750	50	0	10.040	Pass
	16QAM	1715	50	0	10.083	Pass
		1732.5	50	0	10.036	Pass
		1750	50	0	10.063	Pass
15	QPSK	1717.5	75	0	15.124	Pass
		1732.5	75	0	15.187	Pass
		1747.5	75	0	15.080	Pass
	16QAM	1717.5	75	0	15.202	Pass
		1732.5	75	0	15.157	Pass
		1747.5	75	0	15.054	Pass
20	QPSK	1720	100	0	19.929	Pass
		1732.5	100	0	19.993	Pass
		1745	100	0	20.098	Pass
	16QAM	1720	100	0	20.031	Pass
		1732.5	100	0	19.986	Pass
		1745	100	0	19.819	Pass

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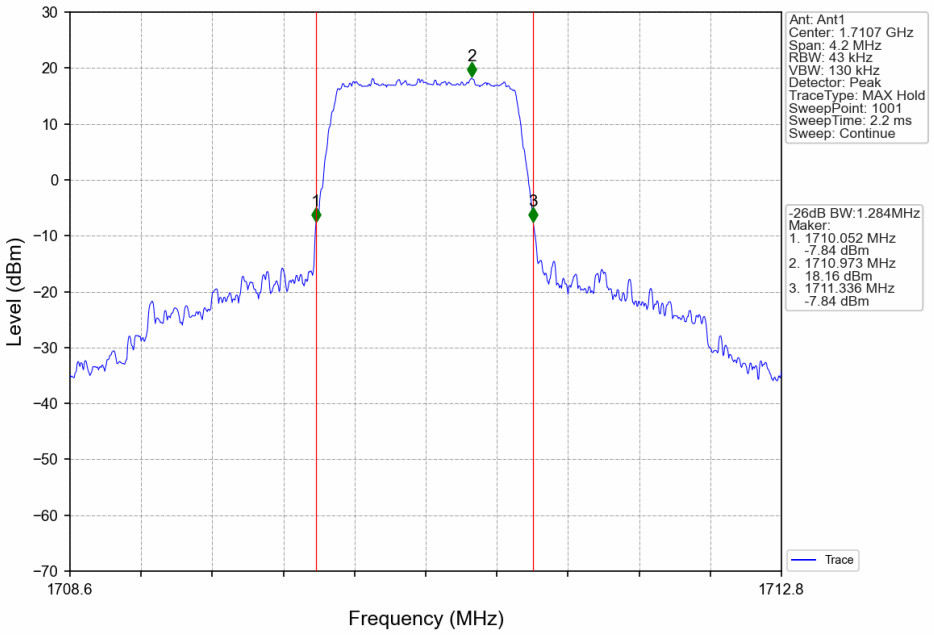
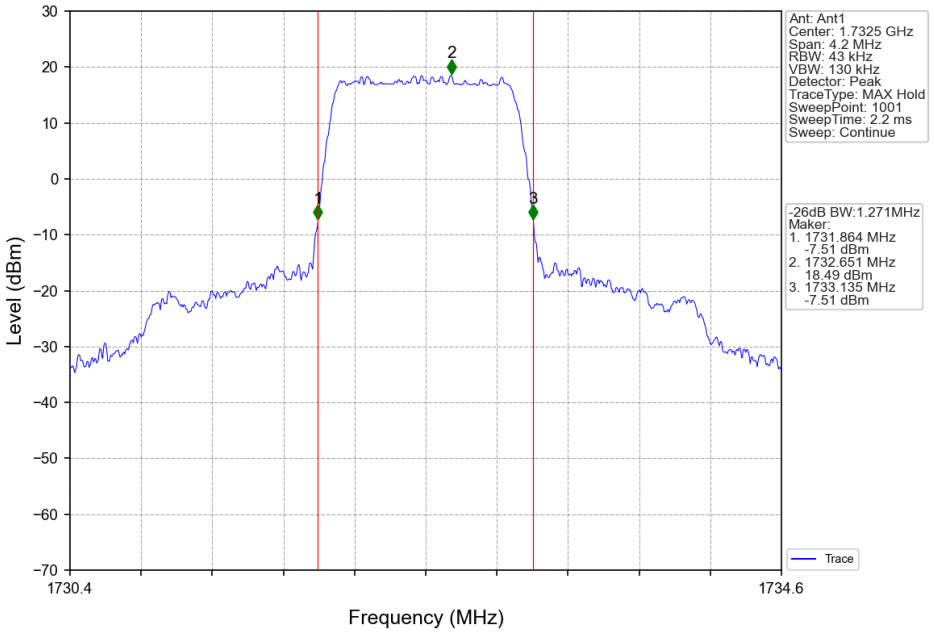
4.2.2 Test Graph

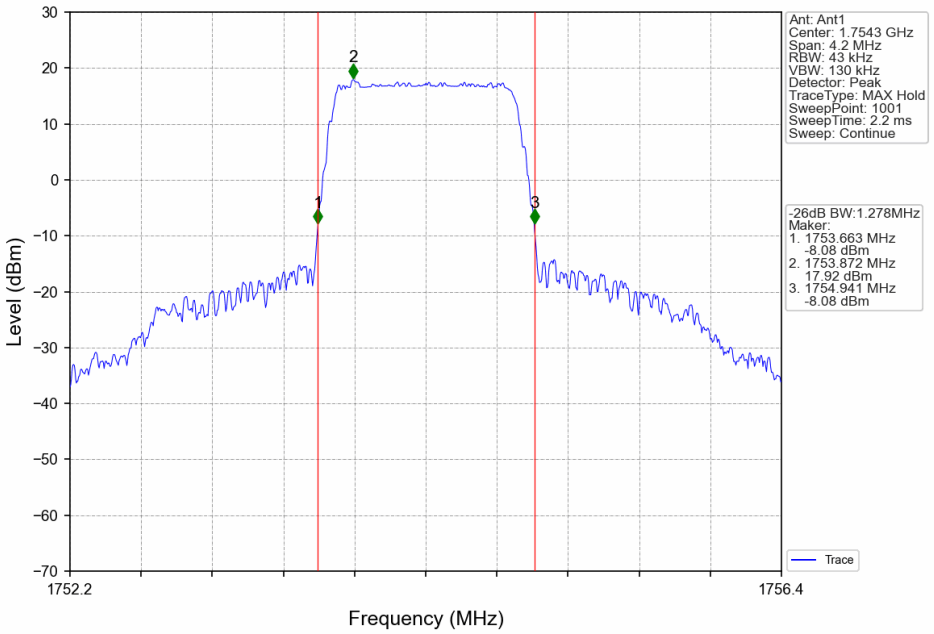
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



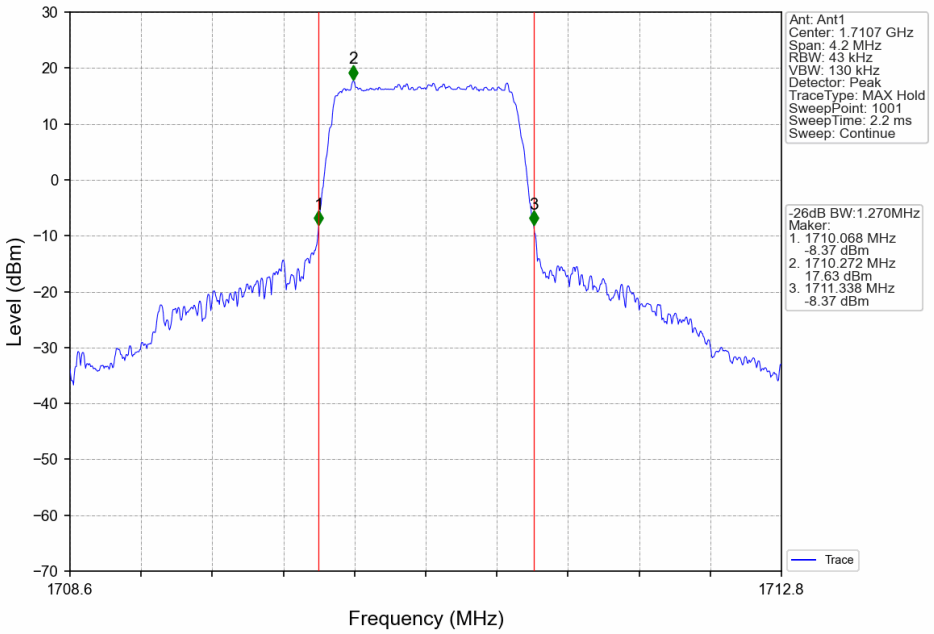
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



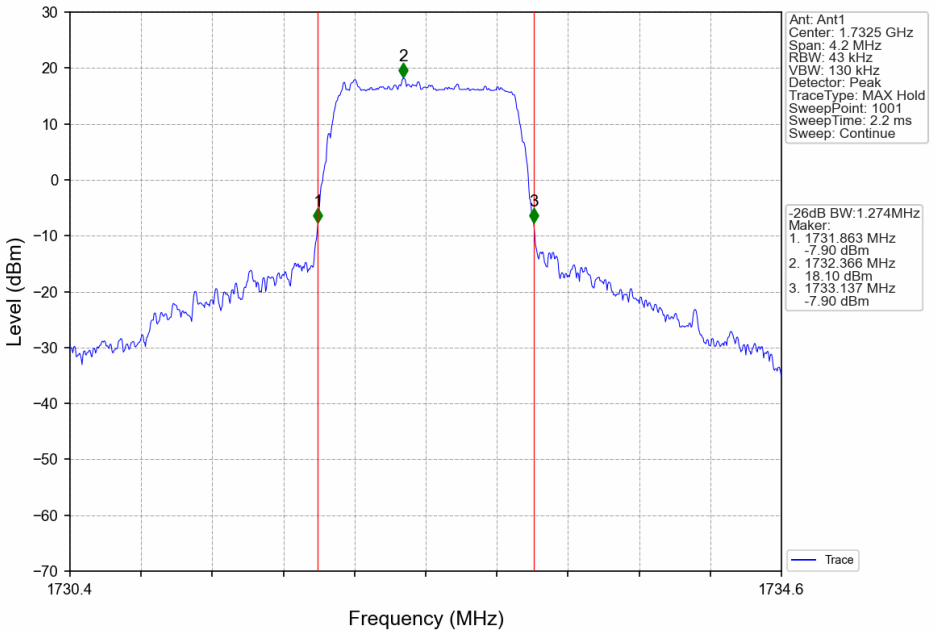
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



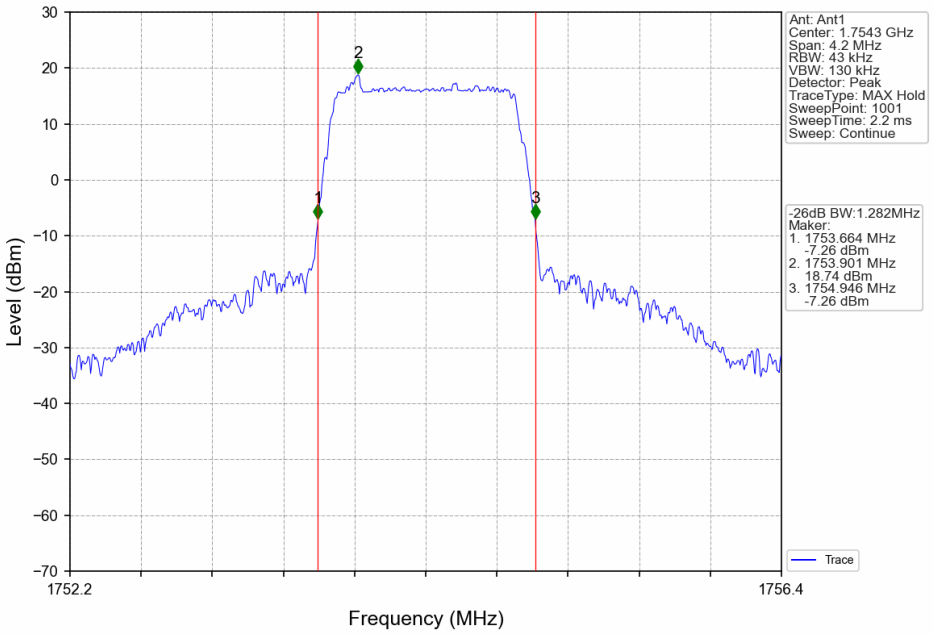
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



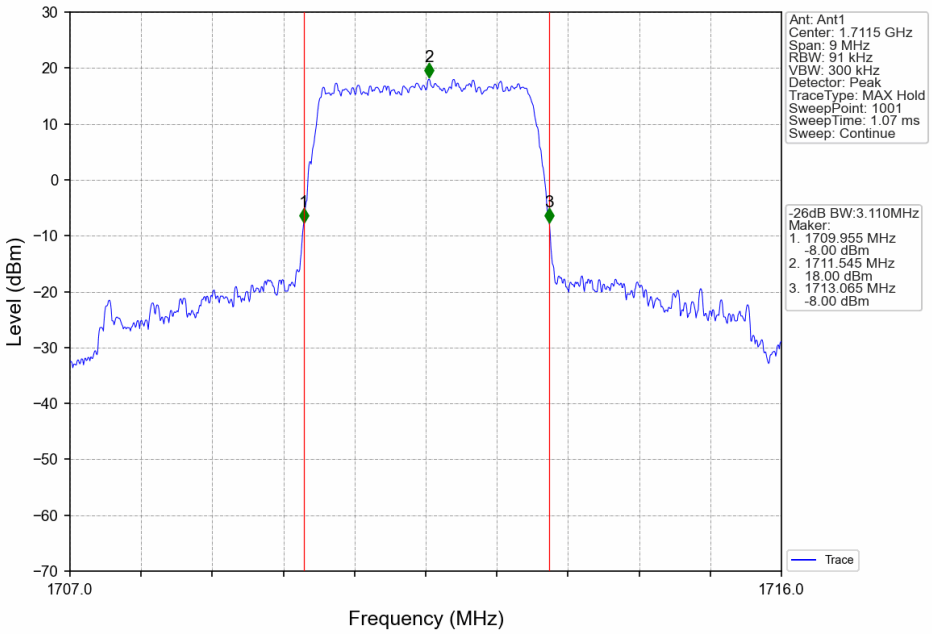
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



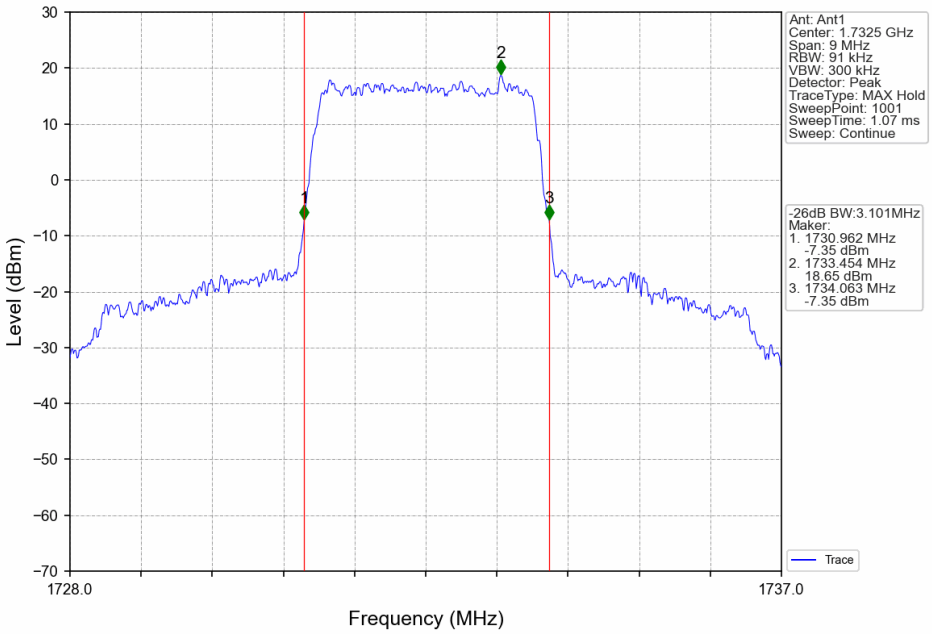
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



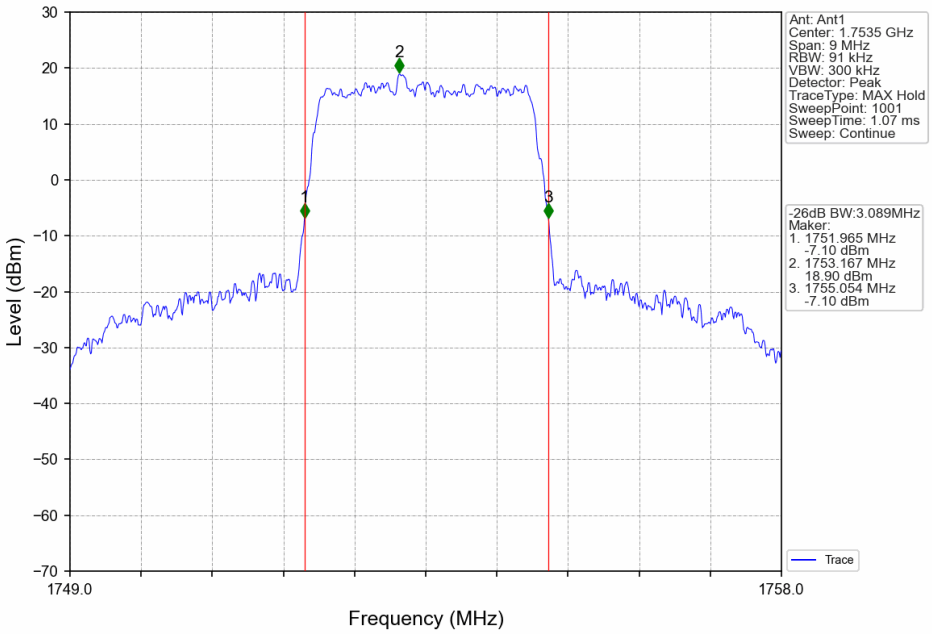
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



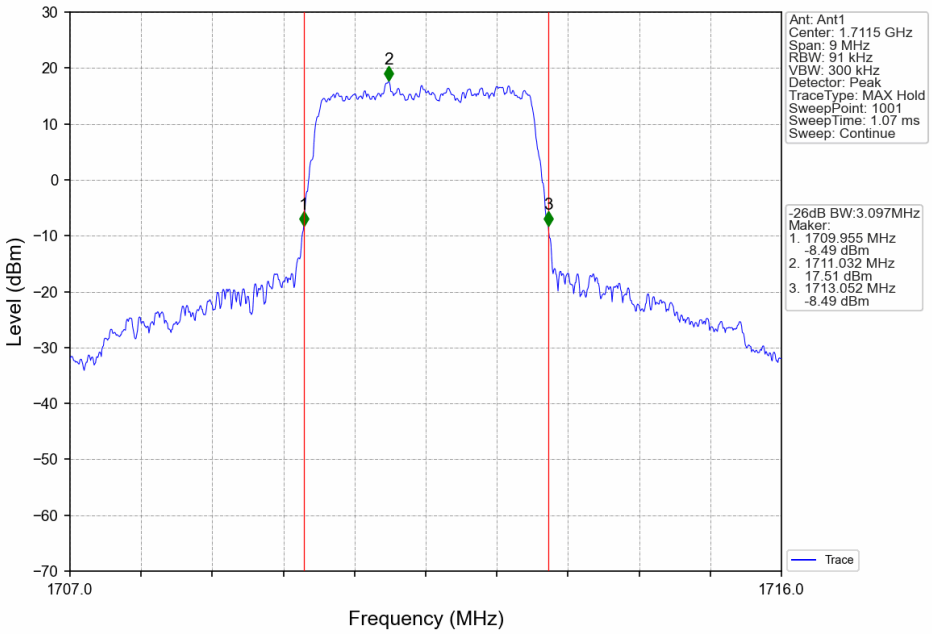
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



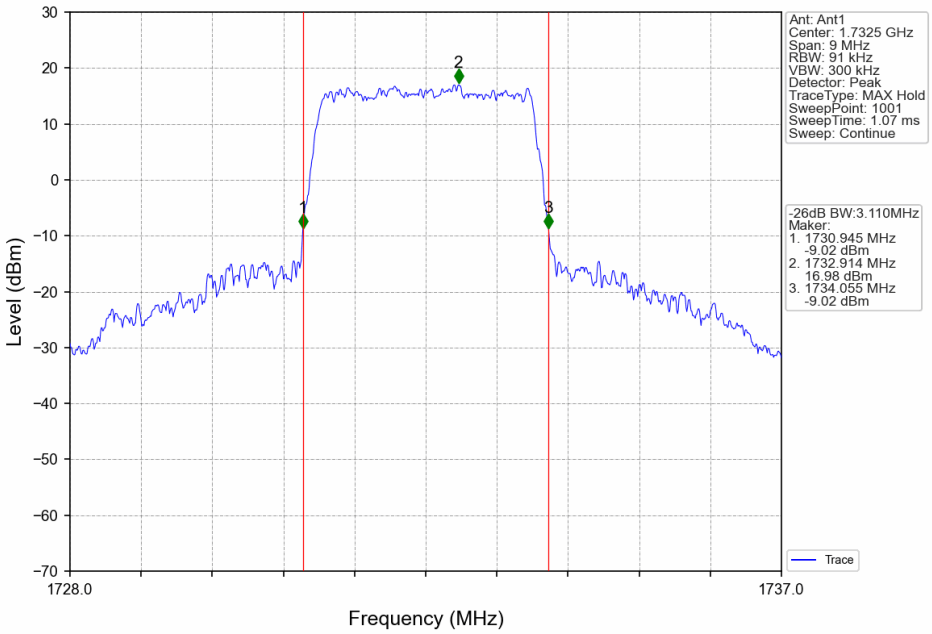
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



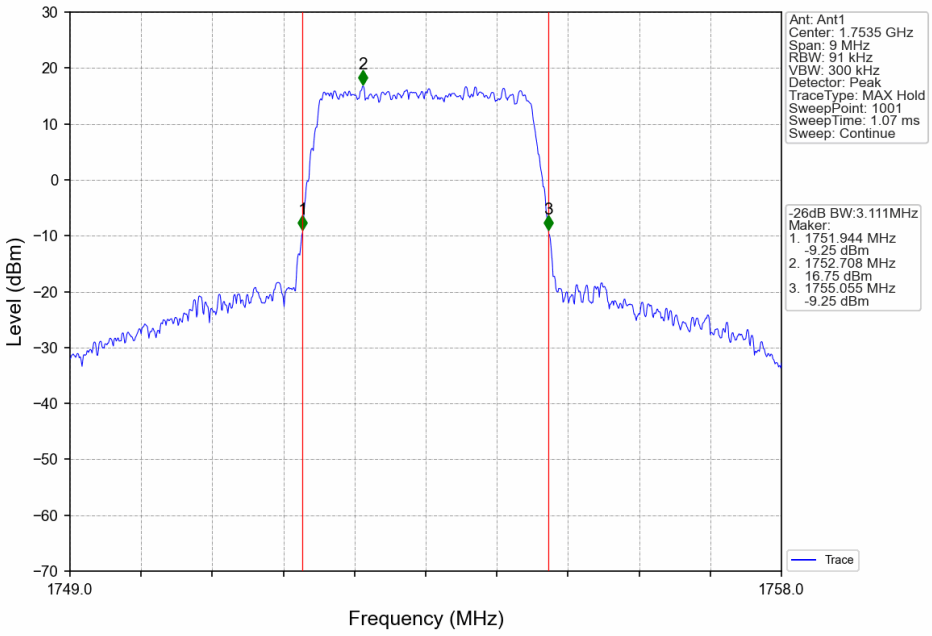
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



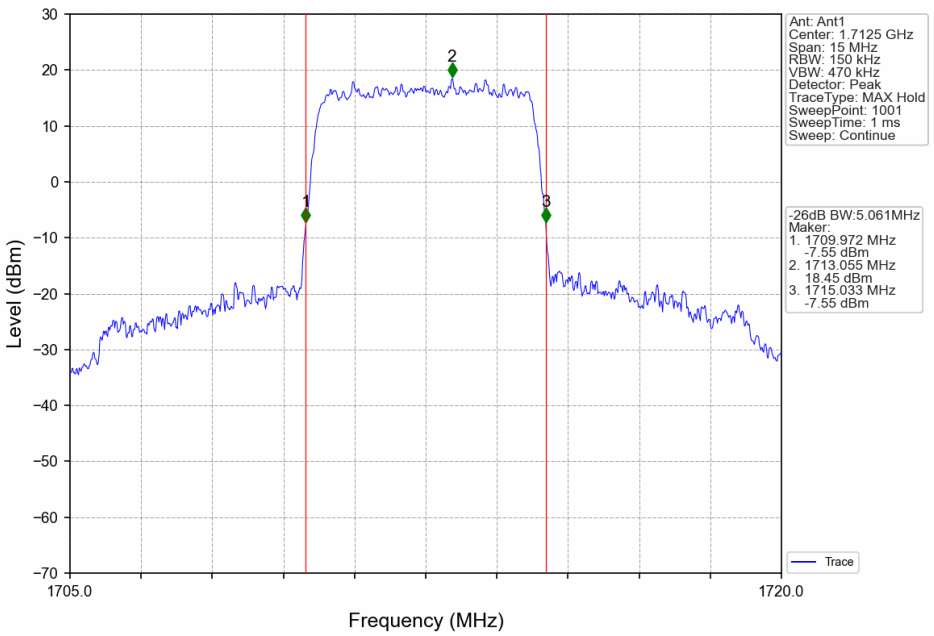
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



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