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	21.82	0.40	22.22	<=30	Pass
			2	21.92	0.40	22.32	<=30	Pass
			5	21.82	0.40	22.22	<=30	Pass
		3	0	21.93	0.40	22.33	<=30	Pass
			2	21.95	0.40	22.35	<=30	Pass
			3	21.93	0.40	22.33	<=30	Pass
		6	0	20.97	0.40	21.37	<=30	Pass
	1732.5	1	0	21.75	0.40	22.15	<=30	Pass
			2	21.96	0.40	22.36	<=30	Pass
			5	21.75	0.40	22.15	<=30	Pass
		3	0	21.84	0.40	22.24	<=30	Pass
			2	21.87	0.40	22.27	<=30	Pass
			3	21.87	0.40	22.27	<=30	Pass
		6	0	20.82	0.40	21.22	<=30	Pass
	1754.3	1	0	22.01	0.40	22.41	<=30	Pass
			2	22.13	0.40	22.53	<=30	Pass
			5	21.99	0.40	22.39	<=30	Pass
		3	0	22.07	0.40	22.47	<=30	Pass
			2	22.12	0.40	22.52	<=30	Pass
			3	22.07	0.40	22.47	<=30	Pass
		6	0	21.16	0.40	21.56	<=30	Pass
16QAM	1710.7	1	0	20.83	0.40	21.23	<=30	Pass
			2	20.94	0.40	21.34	<=30	Pass
			5	20.89	0.40	21.29	<=30	Pass
		3	0	21.15	0.40	21.55	<=30	Pass
			2	21.05	0.40	21.45	<=30	Pass
			3	20.71	0.40	21.11	<=30	Pass
		6	0	19.54	0.40	19.94	<=30	Pass
	1732.5	1	0	20.87	0.40	21.27	<=30	Pass
			2	20.92	0.40	21.32	<=30	Pass
			5	20.87	0.40	21.27	<=30	Pass
		3	0	20.97	0.40	21.37	<=30	Pass
			2	21.01	0.40	21.41	<=30	Pass
			3	20.99	0.40	21.39	<=30	Pass
		6	0	19.79	0.40	20.19	<=30	Pass
	1754.3	1	0	21.17	0.40	21.57	<=30	Pass
			2	21.29	0.40	21.69	<=30	Pass
			5	21.17	0.40	21.57	<=30	Pass
		3	0	21.04	0.40	21.44	<=30	Pass
			2	21.09	0.40	21.49	<=30	Pass
			3	21.08	0.40	21.48	<=30	Pass
		6	0	20.10	0.40	20.50	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	21.49	0.40	21.89	<=30	Pass
			7	21.59	0.40	21.99	<=30	Pass
			14	21.48	0.40	21.88	<=30	Pass
		8	0	20.47	0.40	20.87	<=30	Pass
			4	20.54	0.40	20.94	<=30	Pass
			7	20.49	0.40	20.89	<=30	Pass
		15	0	20.46	0.40	20.86	<=30	Pass
	1732.5	1	0	21.80	0.40	22.20	<=30	Pass
			7	21.96	0.40	22.36	<=30	Pass
			14	21.79	0.40	22.19	<=30	Pass
		8	0	20.86	0.40	21.26	<=30	Pass
			4	20.90	0.40	21.30	<=30	Pass
			7	20.86	0.40	21.26	<=30	Pass
		15	0	20.85	0.40	21.25	<=30	Pass
	1753.5	1	0	22.12	0.40	22.52	<=30	Pass
			7	22.26	0.40	22.66	<=30	Pass
			14	22.10	0.40	22.50	<=30	Pass
		8	0	21.16	0.40	21.56	<=30	Pass
			4	21.21	0.40	21.61	<=30	Pass
			7	21.17	0.40	21.57	<=30	Pass
		15	0	21.14	0.40	21.54	<=30	Pass
16QAM	1711.5	1	0	20.51	0.40	20.91	<=30	Pass
			7	20.61	0.40	21.01	<=30	Pass
			14	20.47	0.40	20.87	<=30	Pass
		8	0	19.51	0.40	19.91	<=30	Pass
			4	19.56	0.40	19.96	<=30	Pass
			7	19.53	0.40	19.93	<=30	Pass
		15	0	19.49	0.40	19.89	<=30	Pass
	1732.5	1	0	21.02	0.40	21.42	<=30	Pass
			7	21.14	0.40	21.54	<=30	Pass
			14	21.03	0.40	21.43	<=30	Pass
		8	0	19.82	0.40	20.22	<=30	Pass
			4	19.87	0.40	20.27	<=30	Pass
			7	19.83	0.40	20.23	<=30	Pass
		15	0	19.79	0.40	20.19	<=30	Pass
	1753.5	1	0	21.58	0.40	21.98	<=30	Pass
			7	21.72	0.40	22.12	<=30	Pass
			14	21.56	0.40	21.96	<=30	Pass
		8	0	20.26	0.40	20.66	<=30	Pass
			4	20.30	0.40	20.70	<=30	Pass
			7	20.25	0.40	20.65	<=30	Pass
		15	0	20.17	0.40	20.57	<=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	21.39	0.40	21.79	<=30	Pass
			13	21.49	0.40	21.89	<=30	Pass
			24	21.42	0.40	21.82	<=30	Pass
		12	0	20.44	0.40	20.84	<=30	Pass
			6	20.51	0.40	20.91	<=30	Pass
			13	20.56	0.40	20.96	<=30	Pass

		25	0	20.50	0.40	20.90	<=30	Pass
	1732.5	1	0	21.72	0.40	22.12	<=30	Pass
			13	21.84	0.40	22.24	<=30	Pass
			24	21.76	0.40	22.16	<=30	Pass
		12	0	20.83	0.40	21.23	<=30	Pass
			6	20.89	0.40	21.29	<=30	Pass
			13	20.90	0.40	21.30	<=30	Pass
		25	0	20.90	0.40	21.30	<=30	Pass
	1752.5	1	0	21.94	0.40	22.34	<=30	Pass
			13	22.08	0.40	22.48	<=30	Pass
			24	21.98	0.40	22.38	<=30	Pass
		12	0	21.08	0.40	21.48	<=30	Pass
			6	21.10	0.40	21.50	<=30	Pass
			13	21.05	0.40	21.45	<=30	Pass
		25	0	21.06	0.40	21.46	<=30	Pass
16QAM	1712.5	1	0	20.50	0.40	20.90	<=30	Pass
			13	20.64	0.40	21.04	<=30	Pass
			24	20.51	0.40	20.91	<=30	Pass
		12	0	19.45	0.40	19.85	<=30	Pass
			6	19.53	0.40	19.93	<=30	Pass
			13	19.54	0.40	19.94	<=30	Pass
		25	0	19.51	0.40	19.91	<=30	Pass
	1732.5	1	0	21.05	0.40	21.45	<=30	Pass
			13	21.15	0.40	21.55	<=30	Pass
			24	21.10	0.40	21.50	<=30	Pass
		12	0	19.87	0.40	20.27	<=30	Pass
			6	19.93	0.40	20.33	<=30	Pass
			13	19.93	0.40	20.33	<=30	Pass
		25	0	19.86	0.40	20.26	<=30	Pass
	1752.5	1	0	20.80	0.40	21.20	<=30	Pass
			13	20.95	0.40	21.35	<=30	Pass
			24	20.82	0.40	21.22	<=30	Pass
		12	0	20.05	0.40	20.45	<=30	Pass
			6	20.09	0.40	20.49	<=30	Pass
			13	20.04	0.40	20.44	<=30	Pass
		25	0	20.05	0.40	20.45	<=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	21.49	0.40	21.89	<=30	Pass
			25	21.77	0.40	22.17	<=30	Pass
			49	21.65	0.40	22.05	<=30	Pass
		25	0	20.57	0.40	20.97	<=30	Pass
			13	20.66	0.40	21.06	<=30	Pass
			25	20.73	0.40	21.13	<=30	Pass
		50	0	20.62	0.40	21.02	<=30	Pass
	1732.5	1	0	21.73	0.40	22.13	<=30	Pass
			25	22.01	0.40	22.41	<=30	Pass
			49	21.84	0.40	22.24	<=30	Pass
		25	0	20.93	0.40	21.33	<=30	Pass
			13	20.94	0.40	21.34	<=30	Pass
			25	21.03	0.40	21.43	<=30	Pass
		50	0	20.94	0.40	21.34	<=30	Pass

	1750	1	0	21.92	0.40	22.32	<=30	Pass
			25	22.23	0.40	22.63	<=30	Pass
			49	22.03	0.40	22.43	<=30	Pass
		25	0	21.05	0.40	21.45	<=30	Pass
			13	21.10	0.40	21.50	<=30	Pass
			25	21.05	0.40	21.45	<=30	Pass
		50	0	21.07	0.40	21.47	<=30	Pass
16QAM	1715	1	0	20.48	0.40	20.88	<=30	Pass
			25	20.80	0.40	21.20	<=30	Pass
			49	20.65	0.40	21.05	<=30	Pass
		25	0	19.64	0.40	20.04	<=30	Pass
			13	19.70	0.40	20.10	<=30	Pass
			25	19.78	0.40	20.18	<=30	Pass
		50	0	19.64	0.40	20.04	<=30	Pass
	1732.5	1	0	20.93	0.40	21.33	<=30	Pass
			25	21.24	0.40	21.64	<=30	Pass
			49	21.06	0.40	21.46	<=30	Pass
		25	0	19.95	0.40	20.35	<=30	Pass
			13	19.99	0.40	20.39	<=30	Pass
			25	20.02	0.40	20.42	<=30	Pass
		50	0	19.97	0.40	20.37	<=30	Pass
	1750	1	0	21.47	0.40	21.87	<=30	Pass
			25	21.70	0.40	22.10	<=30	Pass
			49	21.50	0.40	21.90	<=30	Pass
		25	0	20.06	0.40	20.46	<=30	Pass
			13	20.12	0.40	20.52	<=30	Pass
			25	20.04	0.40	20.44	<=30	Pass
		50	0	20.05	0.40	20.45	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	21.37	0.40	21.77	<=30	Pass
			38	21.60	0.40	22.00	<=30	Pass
			74	21.62	0.40	22.02	<=30	Pass
		36	0	20.60	0.40	21.00	<=30	Pass
			18	20.69	0.40	21.09	<=30	Pass
			39	20.75	0.40	21.15	<=30	Pass
		75	0	20.69	0.40	21.09	<=30	Pass
	1732.5	1	0	21.63	0.40	22.03	<=30	Pass
			38	21.84	0.40	22.24	<=30	Pass
			74	21.78	0.40	22.18	<=30	Pass
		36	0	20.84	0.40	21.24	<=30	Pass
			18	20.91	0.40	21.31	<=30	Pass
			39	20.94	0.40	21.34	<=30	Pass
		75	0	20.94	0.40	21.34	<=30	Pass
	1747.5	1	0	21.80	0.40	22.20	<=30	Pass
			38	22.02	0.40	22.42	<=30	Pass
			74	21.95	0.40	22.35	<=30	Pass
		36	0	21.06	0.40	21.46	<=30	Pass
			18	21.11	0.40	21.51	<=30	Pass
			39	21.12	0.40	21.52	<=30	Pass
		75	0	21.12	0.40	21.52	<=30	Pass
16QAM	1717.5	1	0	20.76	0.40	21.16	<=30	Pass

			38	21.06	0.40	21.46	<=30	Pass
			74	21.12	0.40	21.52	<=30	Pass
		36	0	19.57	0.40	19.97	<=30	Pass
			18	19.67	0.40	20.07	<=30	Pass
			39	19.73	0.40	20.13	<=30	Pass
		75	0	19.67	0.40	20.07	<=30	Pass
	1732.5	1	0	20.84	0.40	21.24	<=30	Pass
			38	21.08	0.40	21.48	<=30	Pass
			74	21.01	0.40	21.41	<=30	Pass
		36	0	19.86	0.40	20.26	<=30	Pass
			18	19.90	0.40	20.30	<=30	Pass
			39	19.97	0.40	20.37	<=30	Pass
		75	0	19.93	0.40	20.33	<=30	Pass
	1747.5	1	0	21.37	0.40	21.77	<=30	Pass
			38	21.51	0.40	21.91	<=30	Pass
			74	21.39	0.40	21.79	<=30	Pass
		36	0	20.03	0.40	20.43	<=30	Pass
			18	20.08	0.40	20.48	<=30	Pass
			39	20.09	0.40	20.49	<=30	Pass
		75	0	20.03	0.40	20.43	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	21.22	0.40	21.62	<=30	Pass
			50	21.77	0.40	22.17	<=30	Pass
			99	21.51	0.40	21.91	<=30	Pass
		50	0	20.57	0.40	20.97	<=30	Pass
			25	20.69	0.40	21.09	<=30	Pass
			50	20.82	0.40	21.22	<=30	Pass
		100	0	20.69	0.40	21.09	<=30	Pass
	1732.5	1	0	21.45	0.40	21.85	<=30	Pass
			50	22.00	0.40	22.40	<=30	Pass
			99	21.70	0.40	22.10	<=30	Pass
		50	0	20.83	0.40	21.23	<=30	Pass
			25	20.95	0.40	21.35	<=30	Pass
			50	20.95	0.40	21.35	<=30	Pass
		100	0	20.92	0.40	21.32	<=30	Pass
	1745	1	0	21.57	0.40	21.97	<=30	Pass
			50	22.13	0.40	22.53	<=30	Pass
			99	21.78	0.40	22.18	<=30	Pass
		50	0	20.97	0.40	21.37	<=30	Pass
			25	20.99	0.40	21.39	<=30	Pass
			50	21.06	0.40	21.46	<=30	Pass
		100	0	20.96	0.40	21.36	<=30	Pass
16QAM	1720	1	0	20.79	0.40	21.19	<=30	Pass
			50	21.38	0.40	21.78	<=30	Pass
			99	21.14	0.40	21.54	<=30	Pass
		50	0	19.56	0.40	19.96	<=30	Pass
			25	19.69	0.40	20.09	<=30	Pass
			50	19.82	0.40	20.22	<=30	Pass
		100	0	19.71	0.40	20.11	<=30	Pass
	1732.5	1	0	20.75	0.40	21.15	<=30	Pass
			50	21.25	0.40	21.65	<=30	Pass

			99	20.92	0.40	21.32	<=30	Pass
		50	0	19.81	0.40	20.21	<=30	Pass
			25	19.88	0.40	20.28	<=30	Pass
			50	19.96	0.40	20.36	<=30	Pass
		100	0	19.89	0.40	20.29	<=30	Pass
	1745	1	0	20.92	0.40	21.32	<=30	Pass
			50	21.40	0.40	21.80	<=30	Pass
			99	21.04	0.40	21.44	<=30	Pass
		50	0	19.94	0.40	20.34	<=30	Pass
			25	19.97	0.40	20.37	<=30	Pass
			50	19.99	0.40	20.39	<=30	Pass
		100	0	19.97	0.40	20.37	<=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	-4.349	-0.0025	-2.5 to 2.5	Pass
					3.85	-25.048	-0.0146	-2.5 to 2.5	Pass
					4.43	-5.693	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-7.553	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-11.830	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-4.234	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-4.964	-0.0029	-2.5 to 2.5	Pass
				40	3.85	10.314	0.0060	-2.5 to 2.5	Pass
				50	3.85	1.473	0.0009	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-9.084	-0.0052	-2.5 to 2.5	Pass
					3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
					4.43	7.439	0.0043	-2.5 to 2.5	Pass
				-30	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-12.259	-0.0071	-2.5 to 2.5	Pass
				0	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-8.726	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-13.618	-0.0079	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	4.663	0.0027	-2.5 to 2.5	Pass
					3.85	7.296	0.0042	-2.5 to 2.5	Pass
					4.43	-19.569	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	6.595	0.0038	-2.5 to 2.5	Pass
				-20	3.85	-15.020	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	3.777	0.0022	-2.5 to 2.5	Pass
				0	3.85	-13.819	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-14.720	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-11.373	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-12.002	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	20	3.27	-1.588	-0.0009	-2.5 to 2.5	Pass
					3.85	1.073	0.0006	-2.5 to 2.5	Pass
					4.43	-2.761	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-11.759	-0.0069	-2.5 to 2.5	Pass
				10	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				30	3.85	-8.669	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				50	3.85	2.103	0.0012	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-14.591	-0.0084	-2.5 to 2.5	Pass
					3.85	-10.929	-0.0063	-2.5 to 2.5	Pass
					4.43	-1.445	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-11.759	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				0	3.85	-11.101	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-7.567	-0.0044	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-5.765	-0.0033	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-4.077	-0.0023	-2.5 to 2.5	Pass
					3.85	-11.015	-0.0063	-2.5 to 2.5	Pass
					4.43	4.950	0.0028	-2.5 to 2.5	Pass
				-30	3.85	-12.388	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	3.705	0.0021	-2.5 to 2.5	Pass
				-10	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				0	3.85	5.894	0.0034	-2.5 to 2.5	Pass
				10	3.85	2.918	0.0017	-2.5 to 2.5	Pass
				30	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-11.902	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-15.078	-0.0086	-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	-8.154	-0.0048	-2.5 to 2.5	Pass
					3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
					4.43	-14.548	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-12.617	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-10.214	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				0	3.85	5.307	0.0031	-2.5 to 2.5	Pass
				10	3.85	-8.583	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-9.570	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	5.865	0.0034	-2.5 to 2.5	Pass
					3.85	7.453	0.0043	-2.5 to 2.5	Pass
					4.43	-7.796	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	7.339	0.0042	-2.5 to 2.5	Pass
				0	3.85	-11.487	-0.0066	-2.5 to 2.5	Pass

				10	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				30	3.85	-14.191	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-13.719	-0.0079	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	3.333	0.0019	-2.5 to 2.5	Pass
					3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.548	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-8.440	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-11.129	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-12.560	-0.0072	-2.5 to 2.5	Pass
				50	3.85	7.439	0.0042	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-8.569	-0.0050	-2.5 to 2.5	Pass
					3.85	5.479	0.0032	-2.5 to 2.5	Pass
					4.43	-11.501	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-13.075	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-2.847	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	5.522	0.0032	-2.5 to 2.5	Pass
				0	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				30	3.85	2.289	0.0013	-2.5 to 2.5	Pass
				40	3.85	-6.609	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-12.903	-0.0074	-2.5 to 2.5	Pass
					3.85	8.411	0.0049	-2.5 to 2.5	Pass
					4.43	5.407	0.0031	-2.5 to 2.5	Pass
				-30	3.85	6.251	0.0036	-2.5 to 2.5	Pass
				-20	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-8.612	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-17.252	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				40	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				50	3.85	-14.620	-0.0084	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	5.407	0.0031	-2.5 to 2.5	Pass
					3.85	-6.394	-0.0036	-2.5 to 2.5	Pass
					4.43	6.251	0.0036	-2.5 to 2.5	Pass
				-30	3.85	-15.893	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-5.636	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	4.034	0.0023	-2.5 to 2.5	Pass
				0	3.85	-10.571	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-7.439	-0.0042	-2.5 to 2.5	Pass
				40	3.85	10.028	0.0057	-2.5 to 2.5	Pass
				50	3.85	-4.992	-0.0028	-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	-7.424	-0.0043	-2.5 to 2.5	Pass
					3.85	-9.041	-0.0053	-2.5 to 2.5	Pass
					4.43	-1.087	-0.0006	-2.5 to 2.5	Pass

				-30	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-4.063	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-5.593	-0.0033	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-7.825	-0.0045	-2.5 to 2.5	Pass
					3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
					4.43	3.490	0.0020	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				0	3.85	1.574	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				30	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-7.052	-0.0041	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-5.722	-0.0033	-2.5 to 2.5	Pass
					3.85	-14.377	-0.0082	-2.5 to 2.5	Pass
					4.43	-7.024	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-7.296	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-8.841	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-8.698	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				30	3.85	4.835	0.0028	-2.5 to 2.5	Pass
				40	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-6.895	-0.0039	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-8.612	-0.0050	-2.5 to 2.5	Pass
					3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.730	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-8.984	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-6.509	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-5.450	-0.0032	-2.5 to 2.5	Pass
				50	3.85	0.615	0.0004	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-1.903	-0.0011	-2.5 to 2.5	Pass
					3.85	1.988	0.0011	-2.5 to 2.5	Pass
					4.43	3.462	0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-12.574	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-8.698	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-7.696	-0.0044	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-2.446	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
					4.43	-7.567	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-7.653	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-9.584	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-5.765	-0.0033	-2.5 to 2.5	Pass

				10	3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-9.170	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.988	-0.0011	-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	-7.582	-0.0044	-2.5 to 2.5	Pass
					3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
					4.43	-6.022	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-7.296	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-9.770	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-3.376	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-5.751	-0.0033	-2.5 to 2.5	Pass
					3.85	-13.976	-0.0081	-2.5 to 2.5	Pass
					4.43	-4.177	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-6.680	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-10.414	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-7.567	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-9.413	-0.0054	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-5.264	-0.0030	-2.5 to 2.5	Pass
					3.85	-3.748	-0.0021	-2.5 to 2.5	Pass
					4.43	-2.317	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	3.633	0.0021	-2.5 to 2.5	Pass
				-20	3.85	-9.255	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-6.909	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-5.150	-0.0030	-2.5 to 2.5	Pass
					3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
					4.43	-5.593	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-6.781	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-5.264	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-10.314	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-9.012	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-6.008	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-11.301	-0.0066	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-1.817	-0.0010	-2.5 to 2.5	Pass
					3.85	-10.657	-0.0062	-2.5 to 2.5	Pass
					4.43	-9.212	-0.0053	-2.5 to 2.5	Pass

				-30	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-9.141	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-11.287	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-12.403	-0.0072	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-0.443	-0.0003	-2.5 to 2.5	Pass
					3.85	-7.482	-0.0043	-2.5 to 2.5	Pass
					4.43	-8.554	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-9.284	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-11.101	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-8.168	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-8.597	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-9.542	-0.0055	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-0.100	-0.0001	-2.5 to 2.5	Pass
					3.85	-7.524	-0.0044	-2.5 to 2.5	Pass
					4.43	-8.197	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-7.310	-0.0042	-2.5 to 2.5	Pass
					3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
					4.43	0.801	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-3.562	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-7.510	-0.0043	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-4.163	-0.0024	-2.5 to 2.5	Pass
					3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
					4.43	-8.869	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-5.364	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-6.108	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-5.465	-0.0031	-2.5 to 2.5	Pass

				50	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-3.662	-0.0021	-2.5 to 2.5	Pass
					3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
					4.43	-5.250	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-7.310	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-10.986	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-7.181	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-10.471	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-9.384	-0.0055	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	0.215	0.0001	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
					4.43	3.319	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-5.078	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				40	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				50	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-5.522	-0.0032	-2.5 to 2.5	Pass
					3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.531	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-8.698	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-4.435	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-6.180	-0.0035	-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	-8.469	-0.0049	-2.5 to 2.5	Pass
					3.85	-7.653	-0.0044	-2.5 to 2.5	Pass
					4.43	-6.752	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-8.397	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-7.739	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-7.095	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-5.965	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-10.214	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-5.279	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.618	-0.0015	-2.5 to 2.5	Pass
					3.85	2.789	0.0016	-2.5 to 2.5	Pass
					4.43	-4.764	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.920	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-4.907	-0.0028	-2.5 to 2.5	Pass

				0	3.85	-6.781	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-3.219	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.734	-0.0021	-2.5 to 2.5	Pass
					3.85	-8.140	-0.0047	-2.5 to 2.5	Pass
					4.43	-7.138	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	2.174	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
				0	3.85	3.476	0.0020	-2.5 to 2.5	Pass
				10	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-6.366	-0.0036	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
					4.43	-6.509	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-8.097	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-7.339	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-6.638	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-7.796	-0.0045	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.060	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
					4.43	-2.346	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-8.297	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-4.263	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.676	-0.0021	-2.5 to 2.5	Pass
					3.85	-7.210	-0.0041	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.877	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0035	-2.5 to 2.5	Pass
				30	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				40	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0003	-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

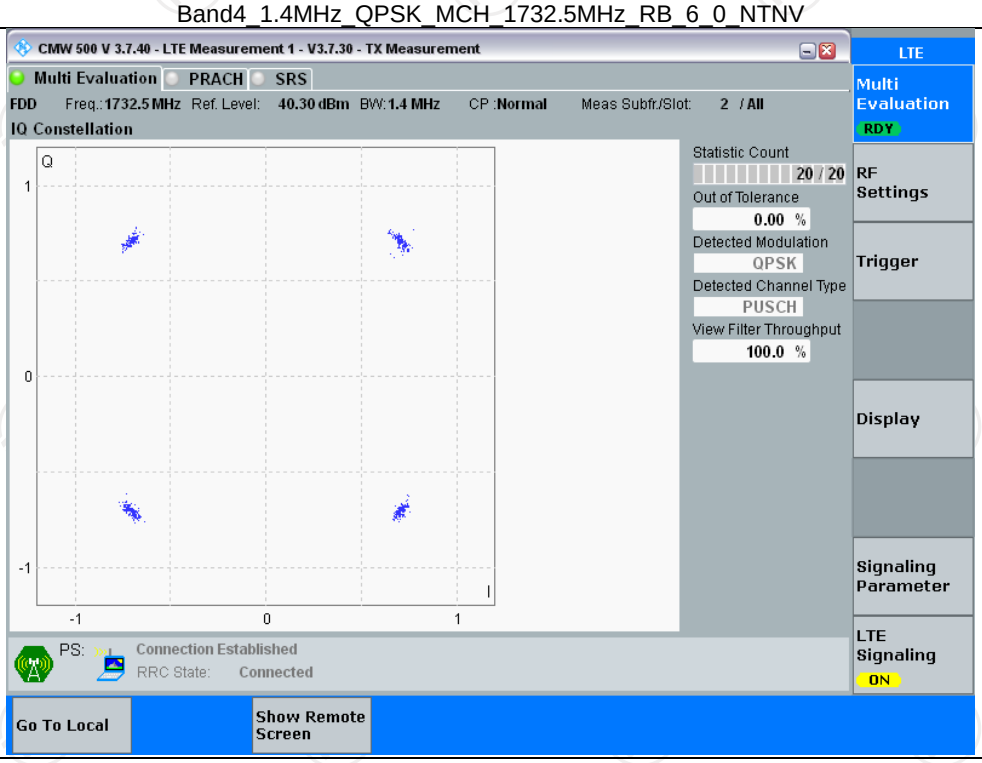
3.1.6 B4_20MHz

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

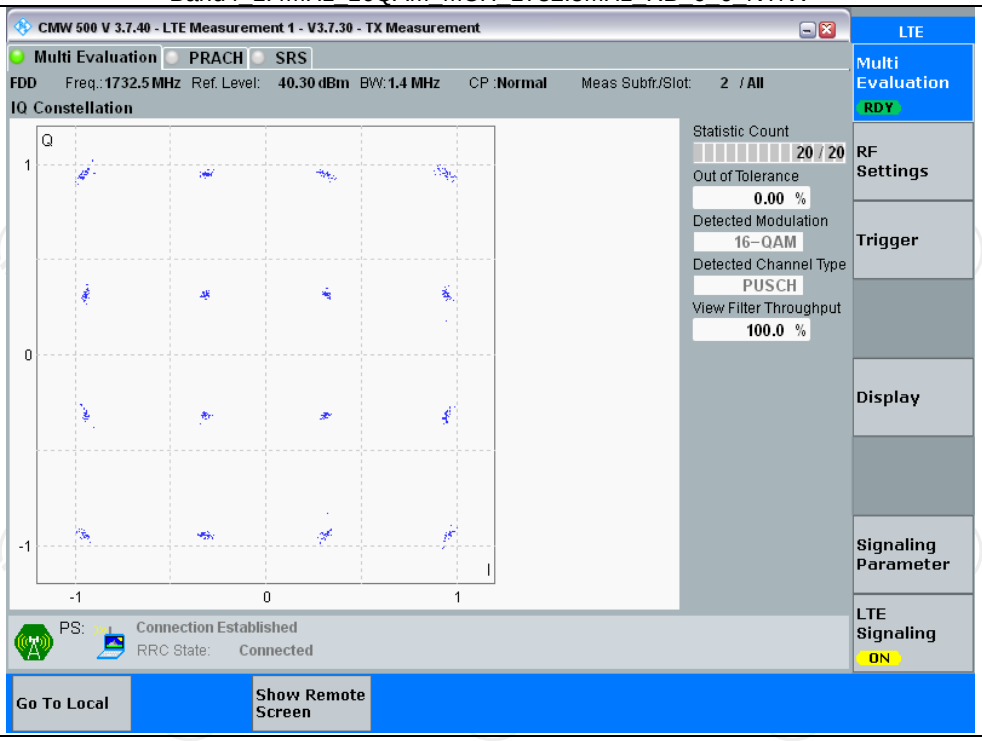
3.2 Test Graph

3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

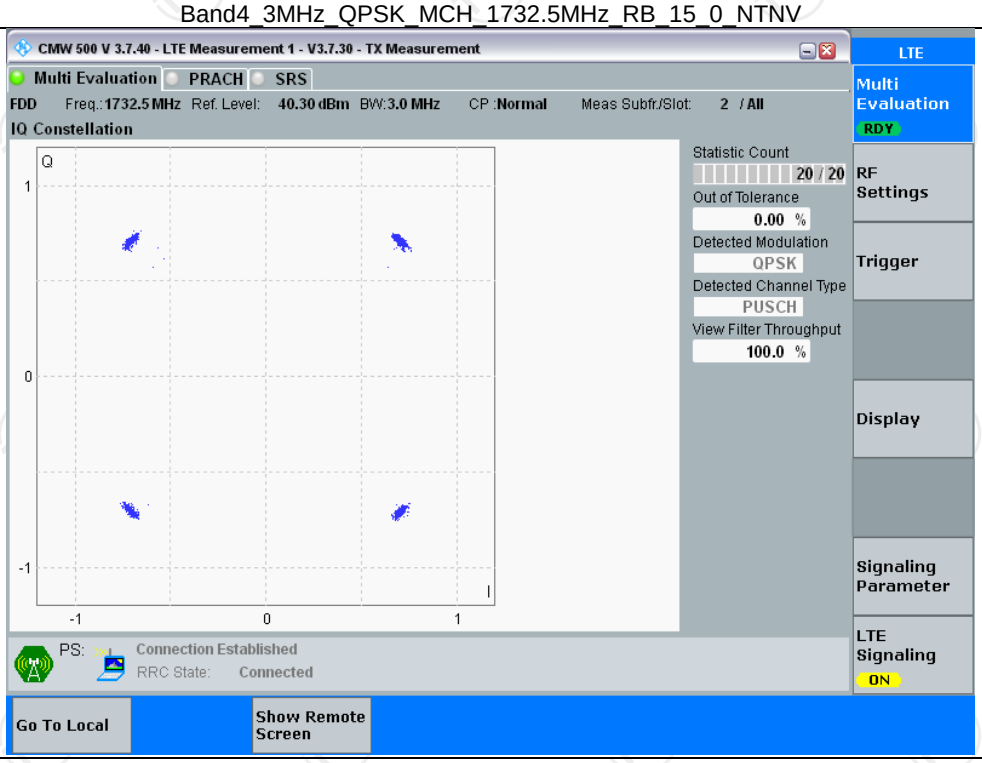


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

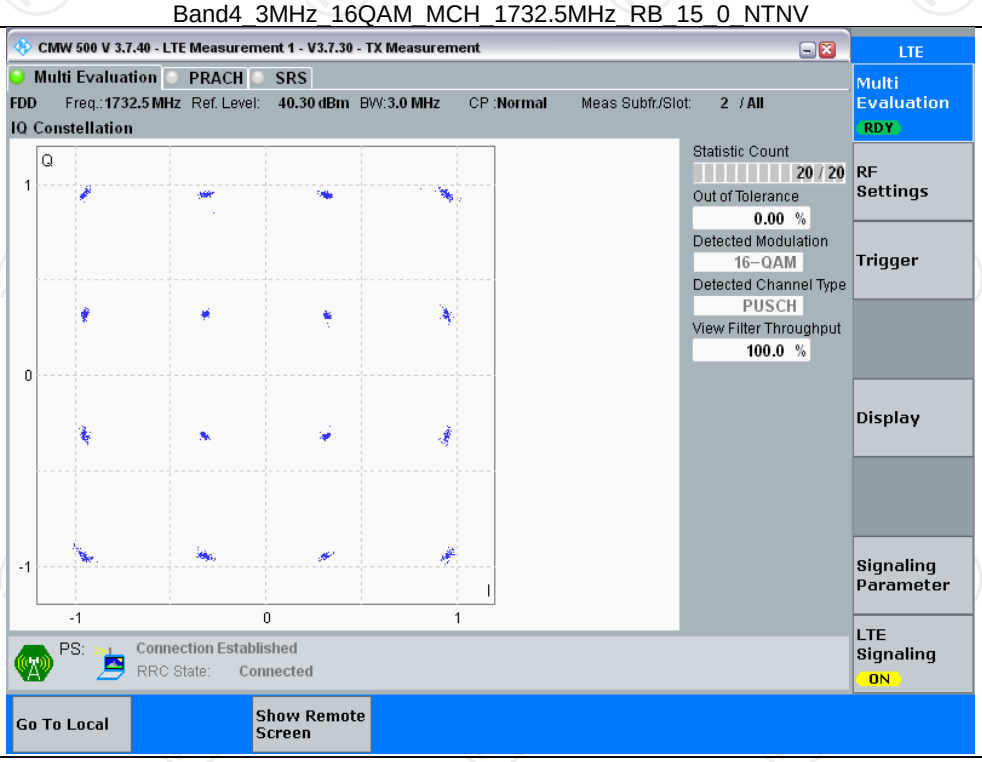


3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

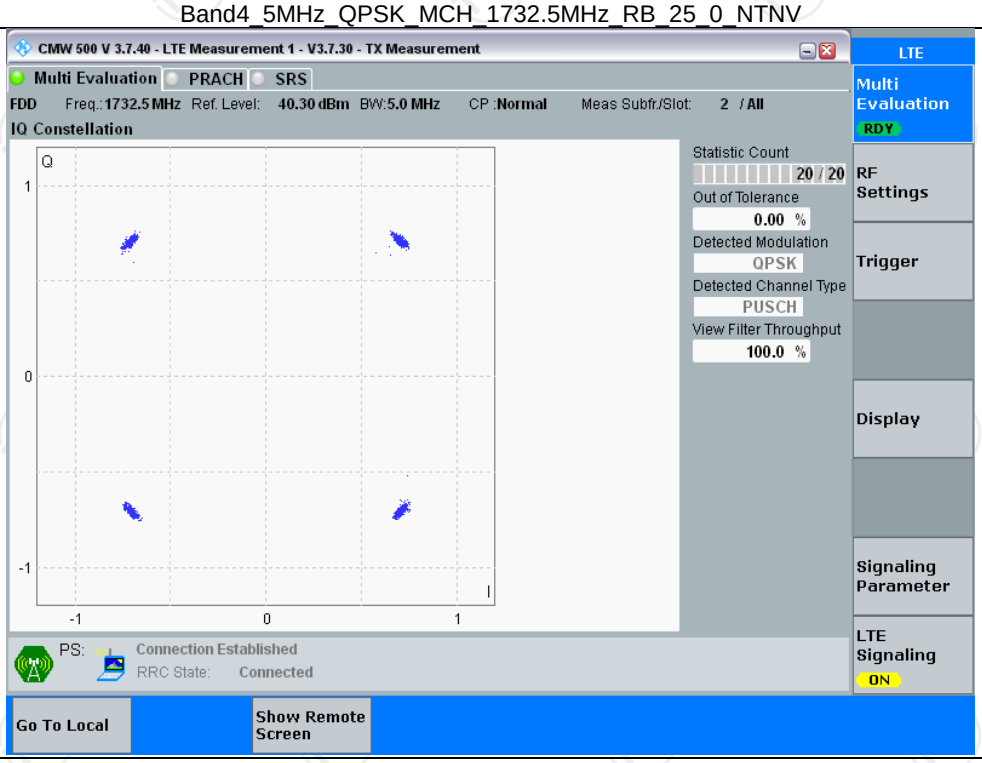


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

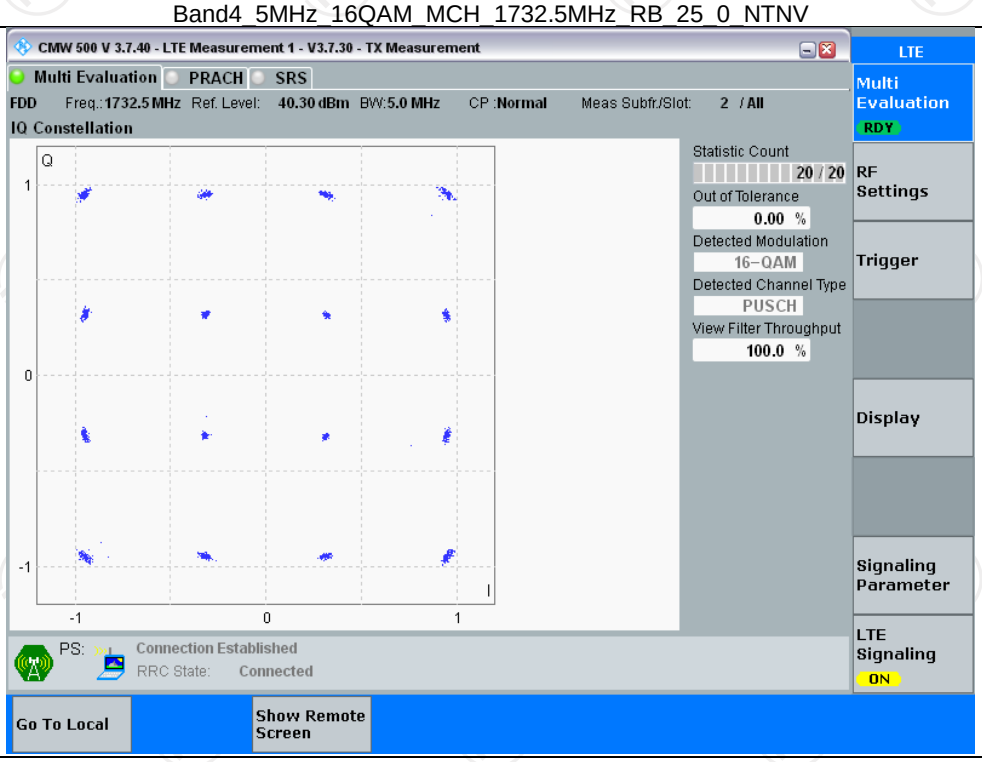


3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

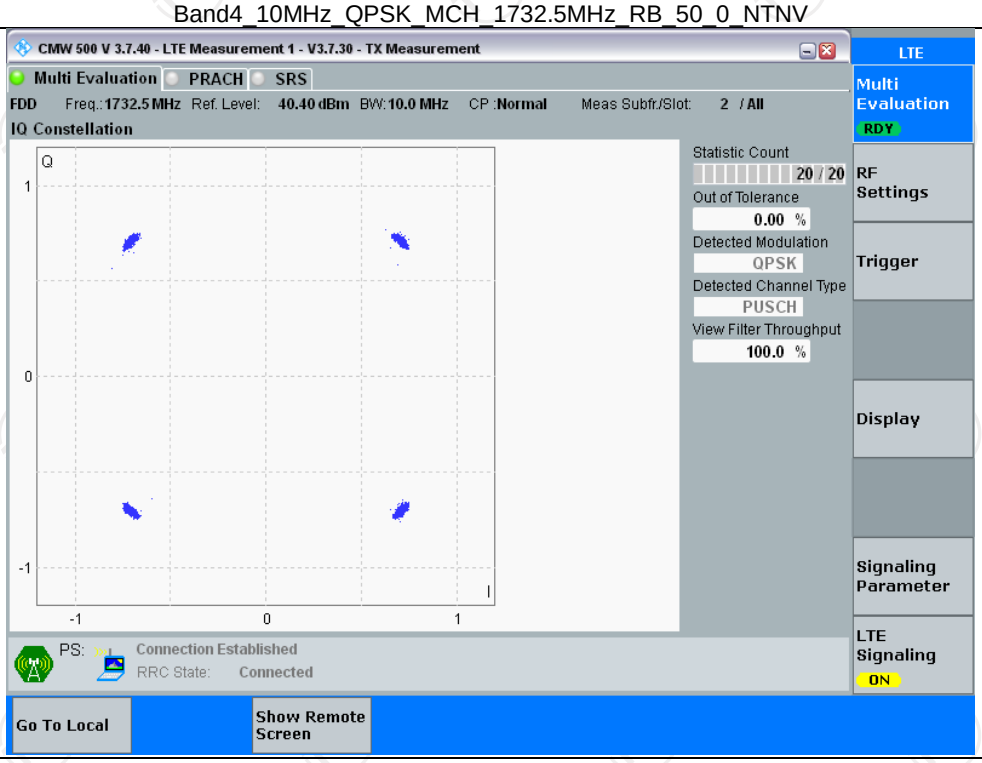


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

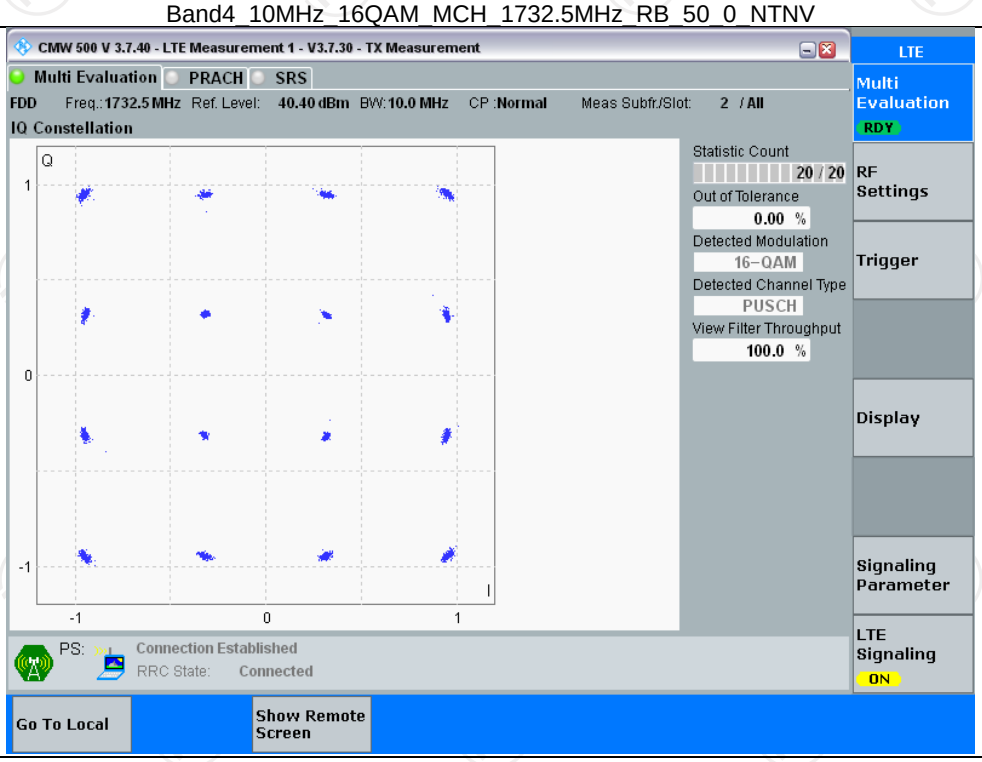


3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

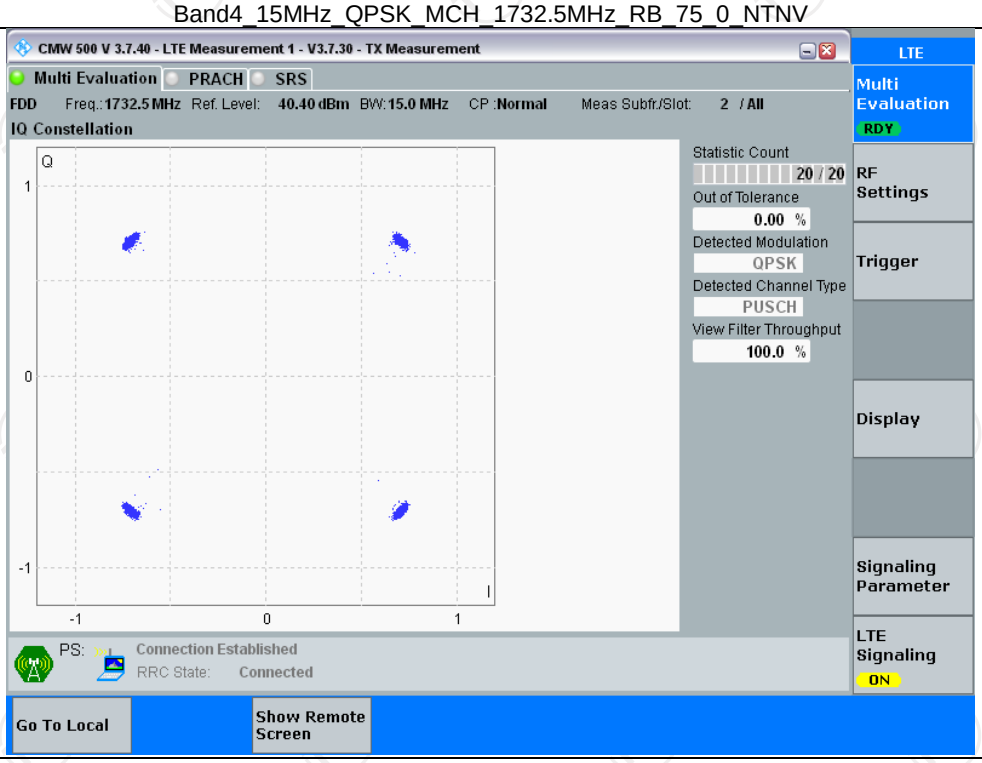


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

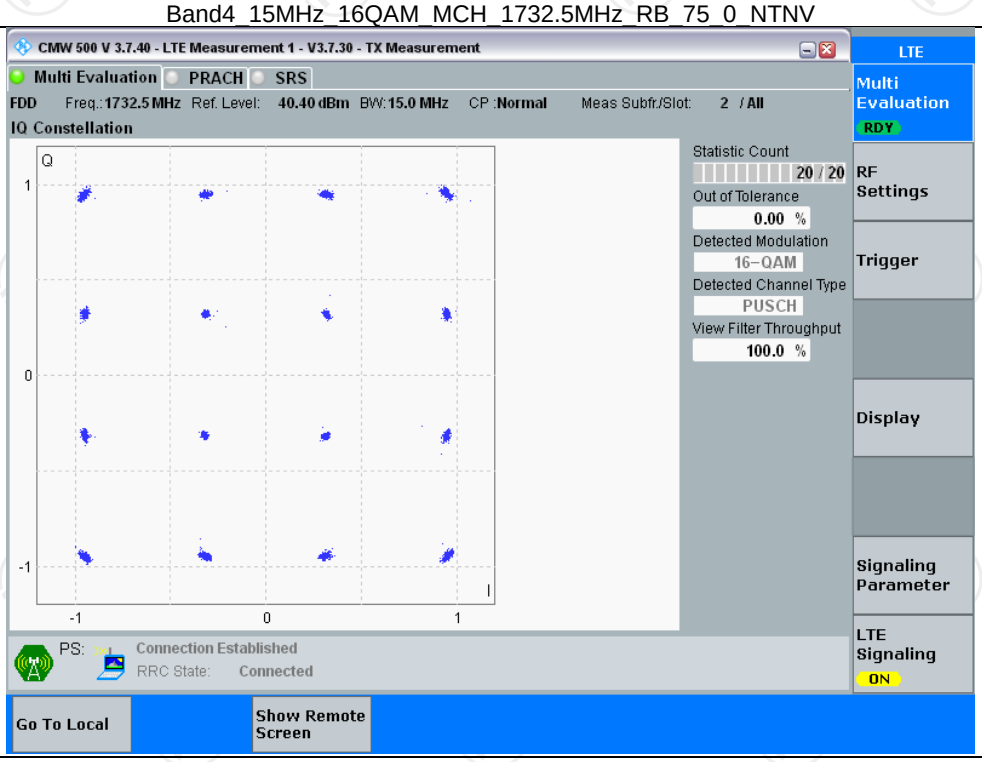


3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

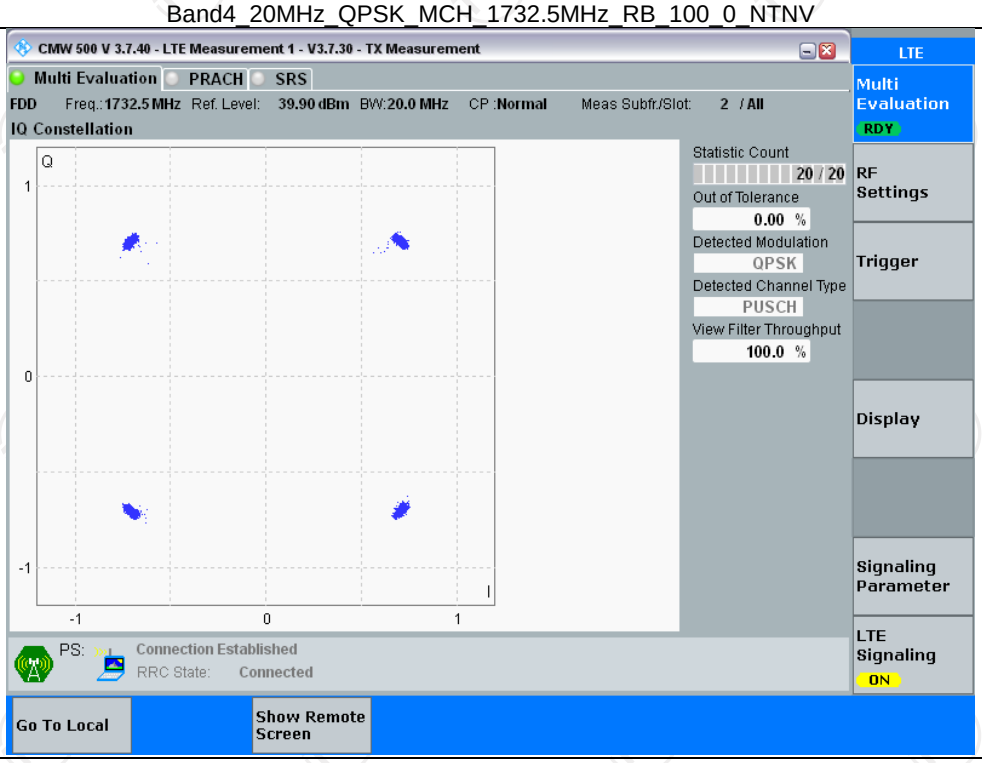


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

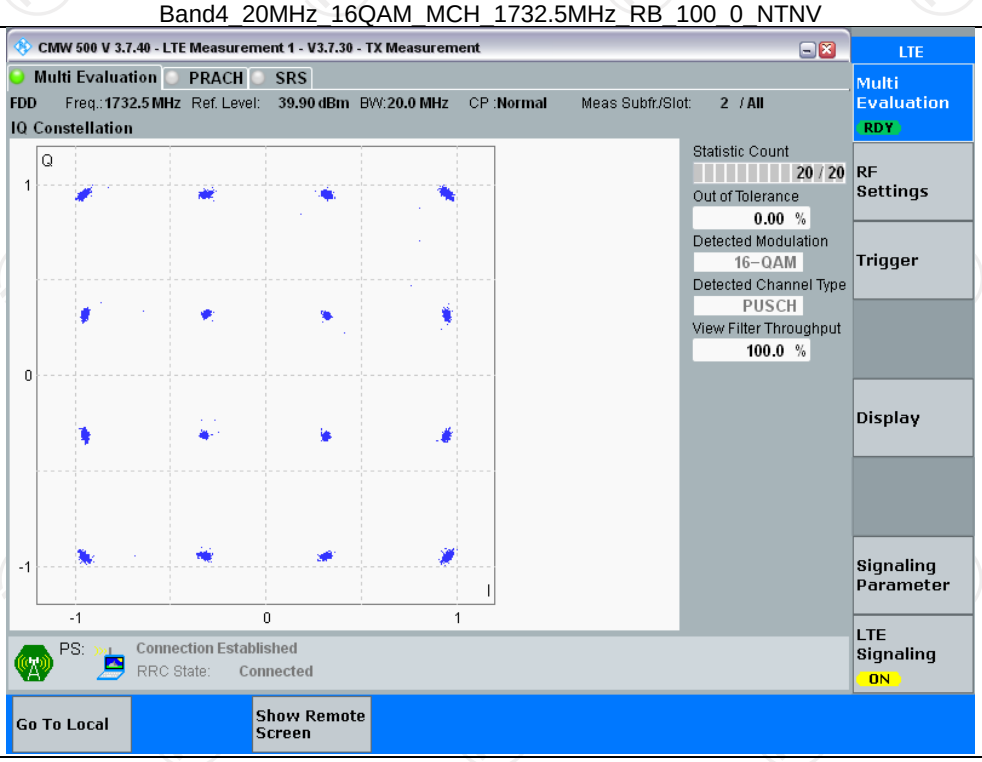


3.2.6 B4_20MHz

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	1.115	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.110	/	Pass
	16QAM	1710.7	6	0	1.106	/	Pass
		1732.5	6	0	1.112	/	Pass
		1754.3	6	0	1.110	/	Pass
3	QPSK	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.731	/	Pass
		1753.5	15	0	2.729	/	Pass
	16QAM	1711.5	15	0	2.722	/	Pass
		1732.5	15	0	2.719	/	Pass
		1753.5	15	0	2.727	/	Pass
5	QPSK	1712.5	25	0	4.573	/	Pass
		1732.5	25	0	4.577	/	Pass
		1752.5	25	0	4.574	/	Pass
	16QAM	1712.5	25	0	4.575	/	Pass
		1732.5	25	0	4.571	/	Pass
		1752.5	25	0	4.590	/	Pass
10	QPSK	1715	50	0	9.104	/	Pass
		1732.5	50	0	9.081	/	Pass
		1750	50	0	9.086	/	Pass
	16QAM	1715	50	0	9.060	/	Pass
		1732.5	50	0	9.089	/	Pass
		1750	50	0	9.103	/	Pass
15	QPSK	1717.5	75	0	13.632	/	Pass
		1732.5	75	0	13.649	/	Pass
		1747.5	75	0	13.636	/	Pass
	16QAM	1717.5	75	0	13.630	/	Pass
		1732.5	75	0	13.694	/	Pass
		1747.5	75	0	13.630	/	Pass
20	QPSK	1720	100	0	18.168	/	Pass
		1732.5	100	0	18.109	/	Pass
		1745	100	0	18.161	/	Pass
	16QAM	1720	100	0	18.162	/	Pass
		1732.5	100	0	18.109	/	Pass
		1745	100	0	18.142	/	Pass

4.1.2 Band4_XDB

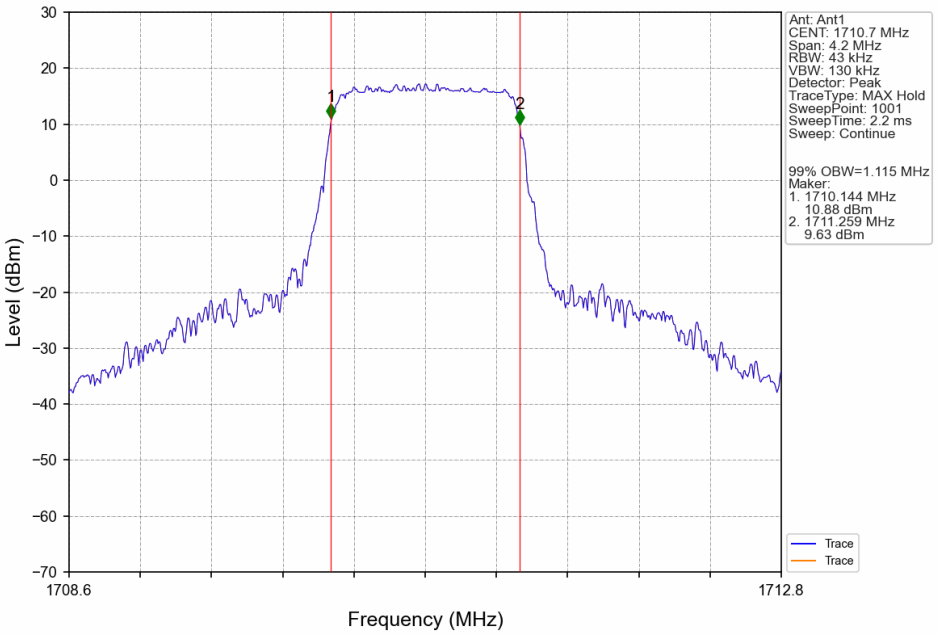
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.317	/	Pass
		1732.5	6	0	1.318	/	Pass
		1754.3	6	0	1.323	/	Pass

	16QAM	1710.7	6	0	1.317	/	Pass
		1732.5	6	0	1.313	/	Pass
		1754.3	6	0	1.323	/	Pass
3	QPSK	1711.5	15	0	2.989	/	Pass
		1732.5	15	0	3.003	/	Pass
		1753.5	15	0	2.985	/	Pass
	16QAM	1711.5	15	0	2.998	/	Pass
		1732.5	15	0	2.985	/	Pass
		1753.5	15	0	3.023	/	Pass
5	QPSK	1712.5	25	0	5.207	/	Pass
		1732.5	25	0	5.287	/	Pass
		1752.5	25	0	5.262	/	Pass
	16QAM	1712.5	25	0	5.256	/	Pass
		1732.5	25	0	5.200	/	Pass
		1752.5	25	0	5.294	/	Pass
10	QPSK	1715	50	0	10.292	/	Pass
		1732.5	50	0	11.479	/	Pass
		1750	50	0	10.350	/	Pass
	16QAM	1715	50	0	10.271	/	Pass
		1732.5	50	0	10.667	/	Pass
		1750	50	0	10.200	/	Pass
15	QPSK	1717.5	75	0	15.351	/	Pass
		1732.5	75	0	17.191	/	Pass
		1747.5	75	0	15.354	/	Pass
	16QAM	1717.5	75	0	15.328	/	Pass
		1732.5	75	0	16.116	/	Pass
		1747.5	75	0	15.294	/	Pass
20	QPSK	1720	100	0	20.450	/	Pass
		1732.5	100	0	20.069	/	Pass
		1745	100	0	20.360	/	Pass
	16QAM	1720	100	0	20.289	/	Pass
		1732.5	100	0	20.143	/	Pass
		1745	100	0	20.032	/	Pass

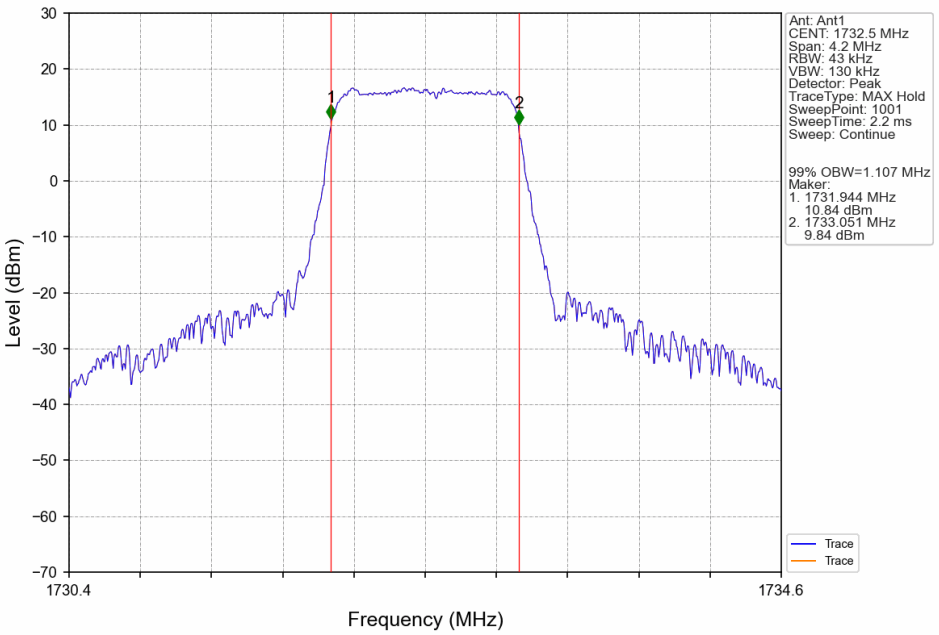
4.2 Test Graph

4.2.1 Band4_OBW

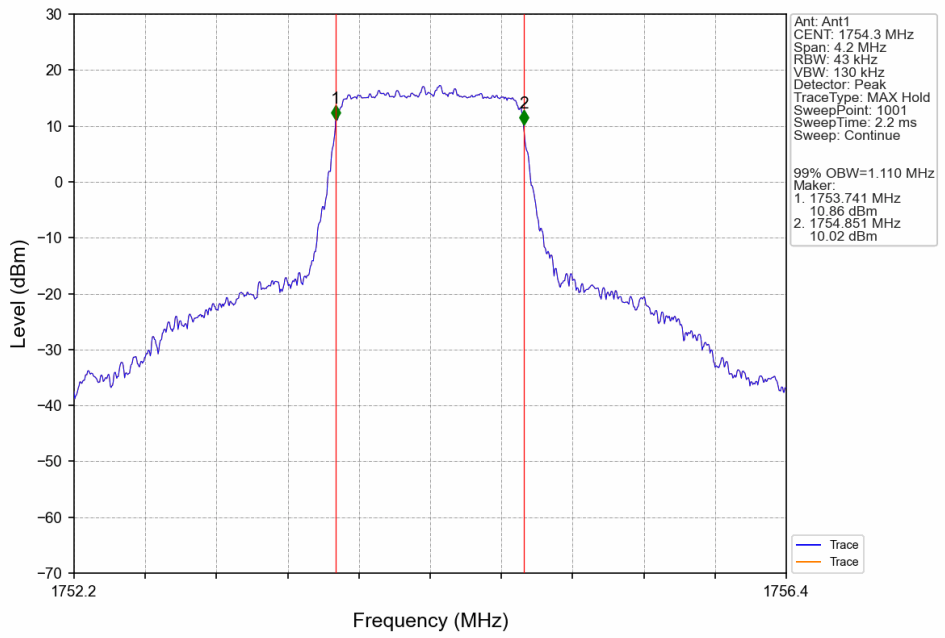
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



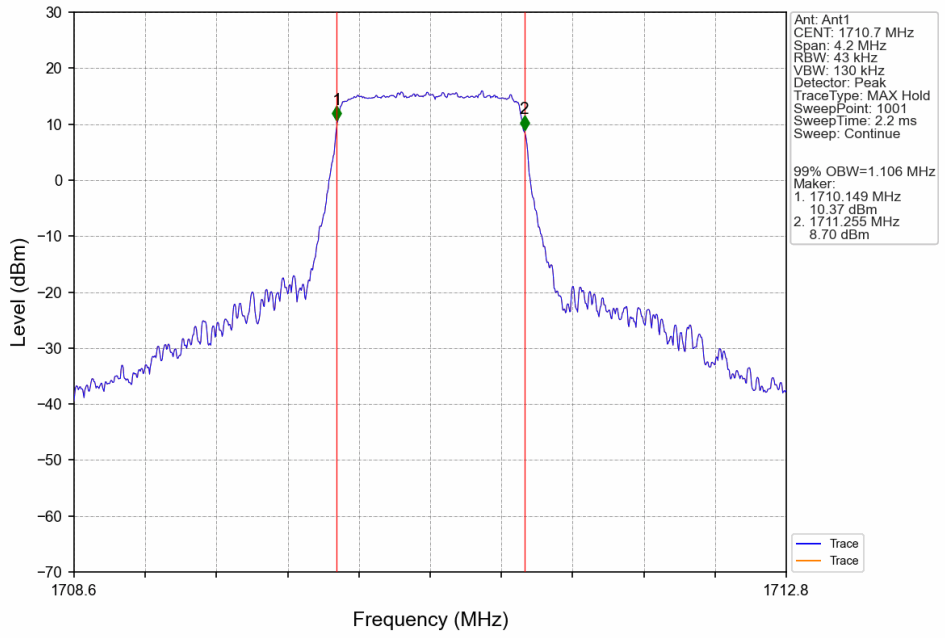
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



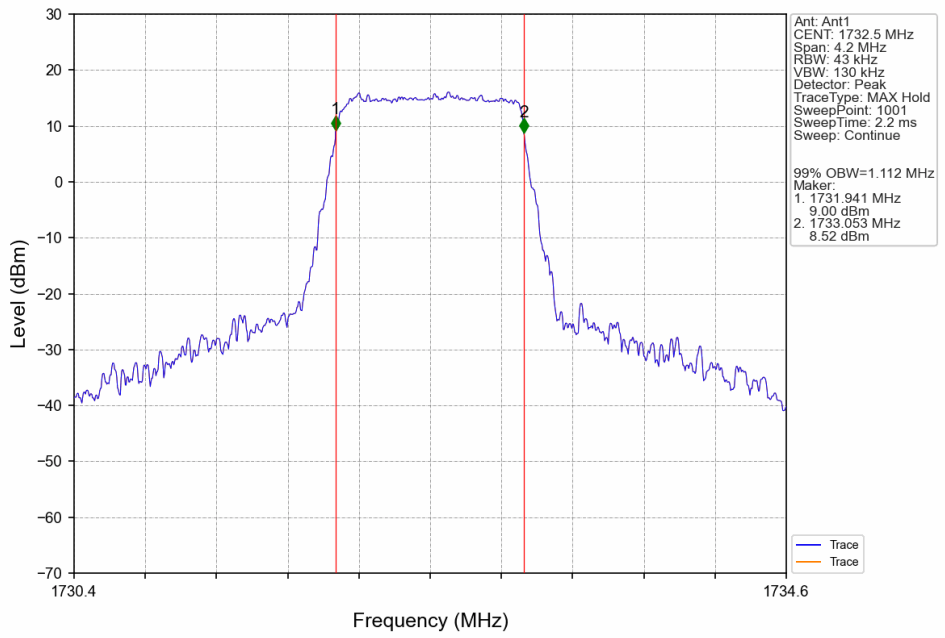
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



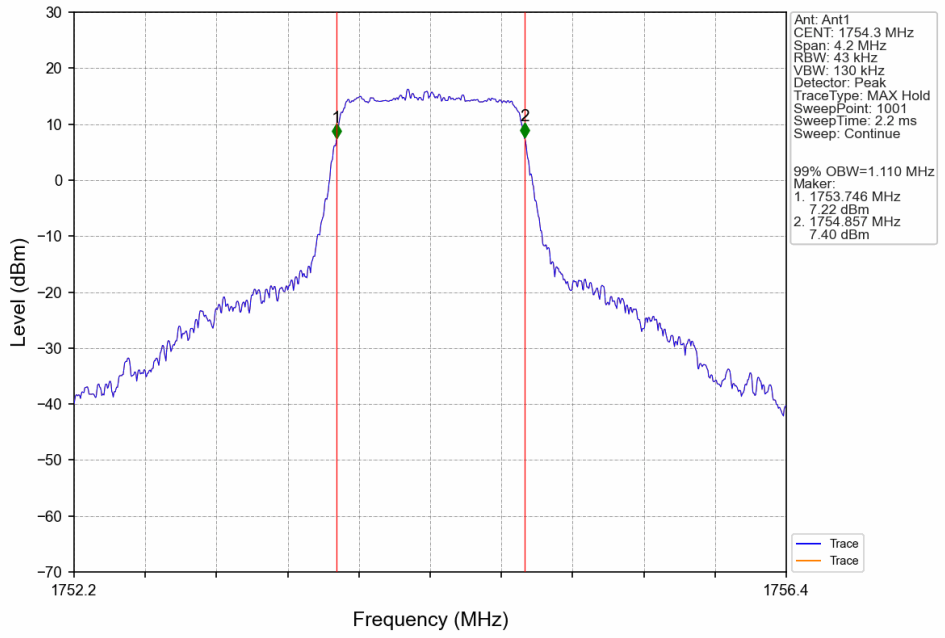
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



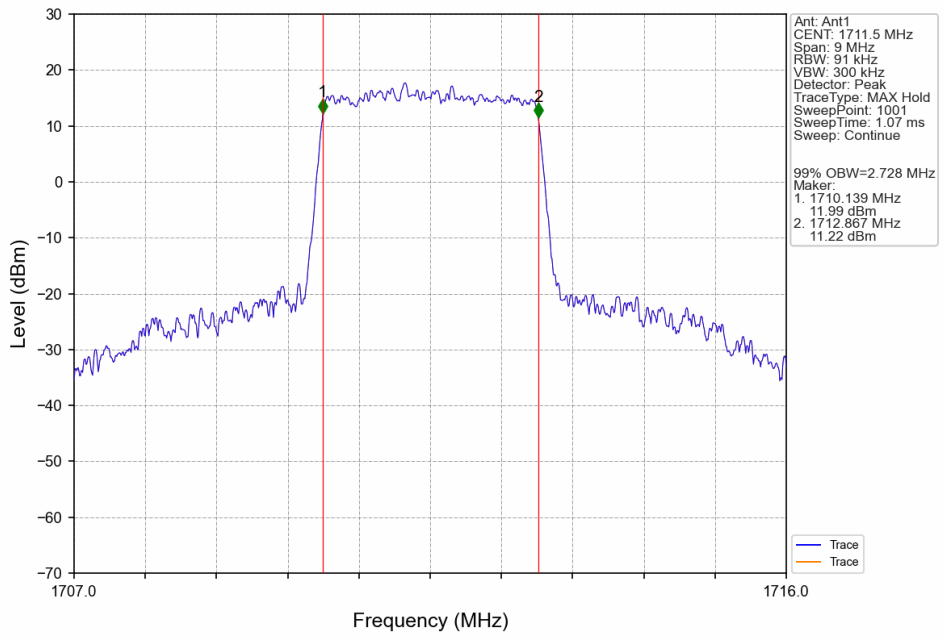
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



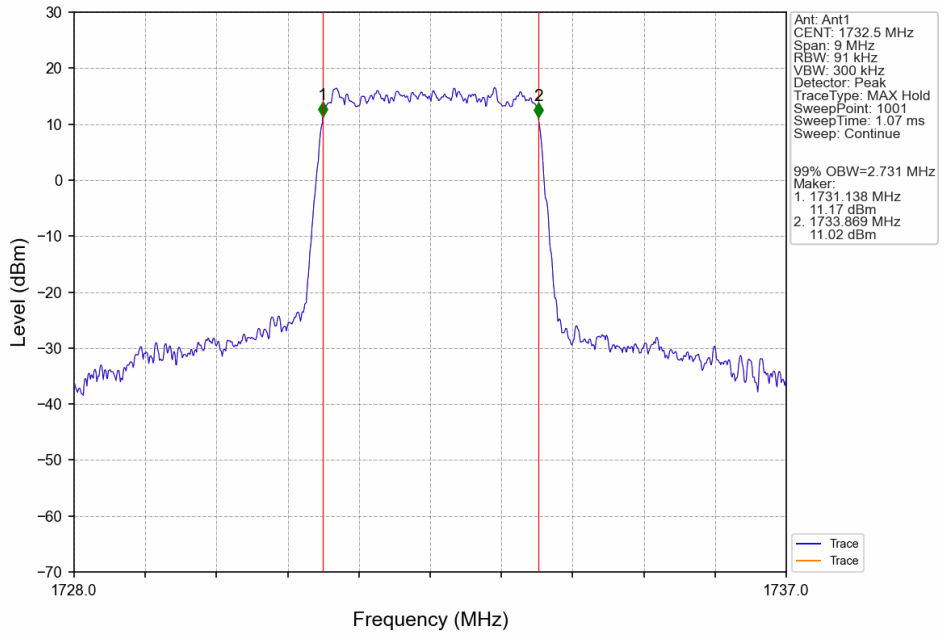
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



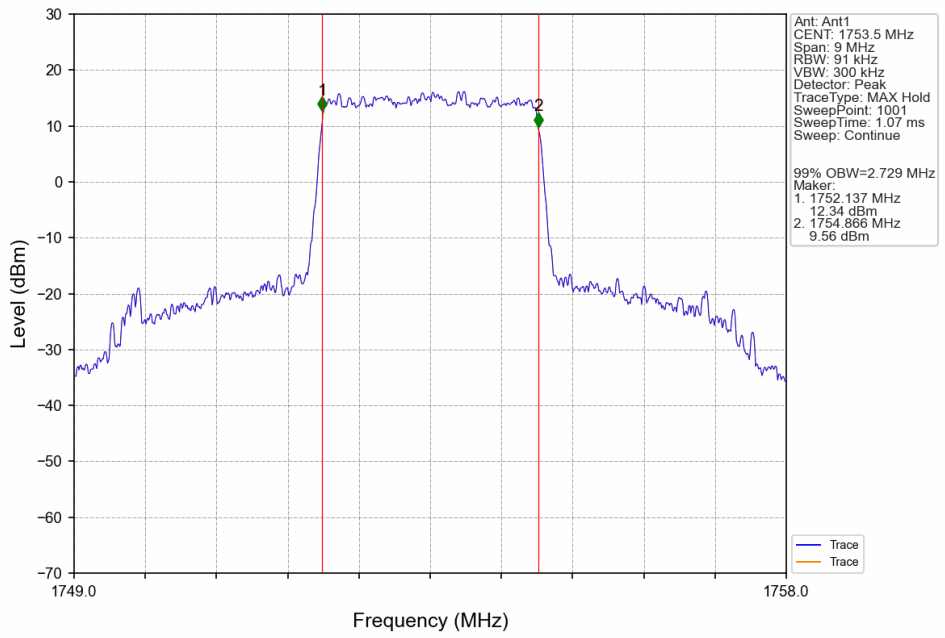
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



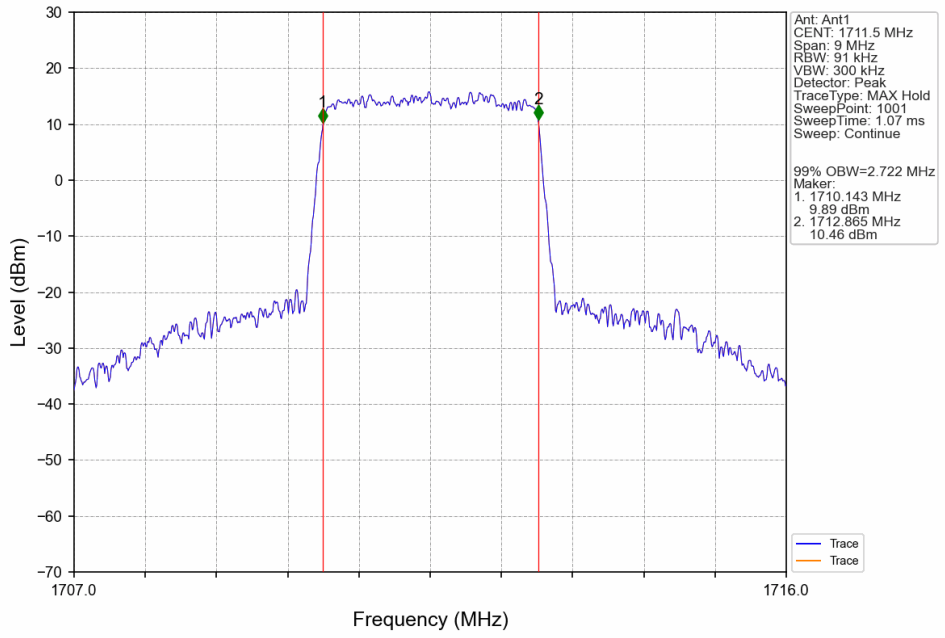
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



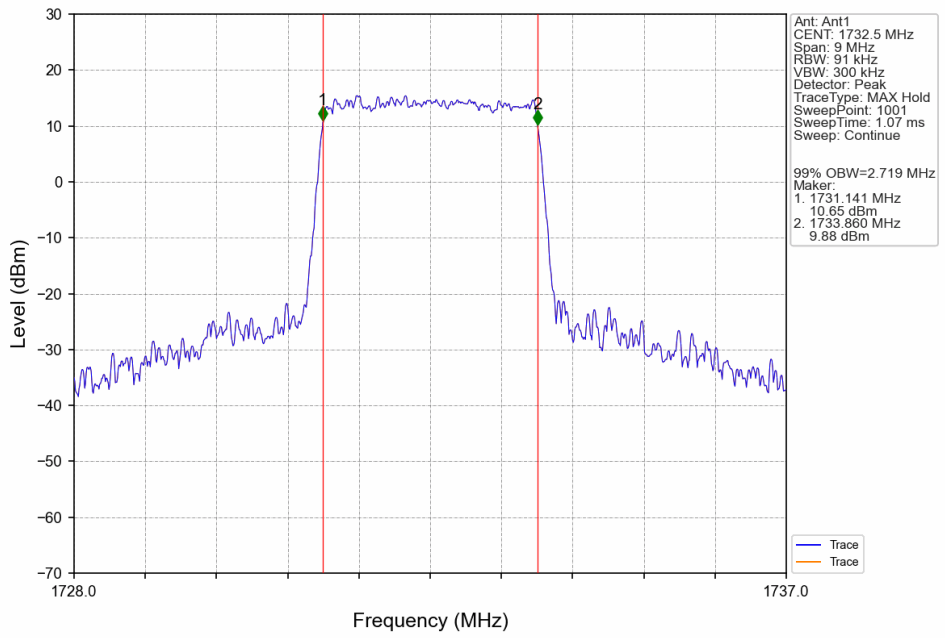
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



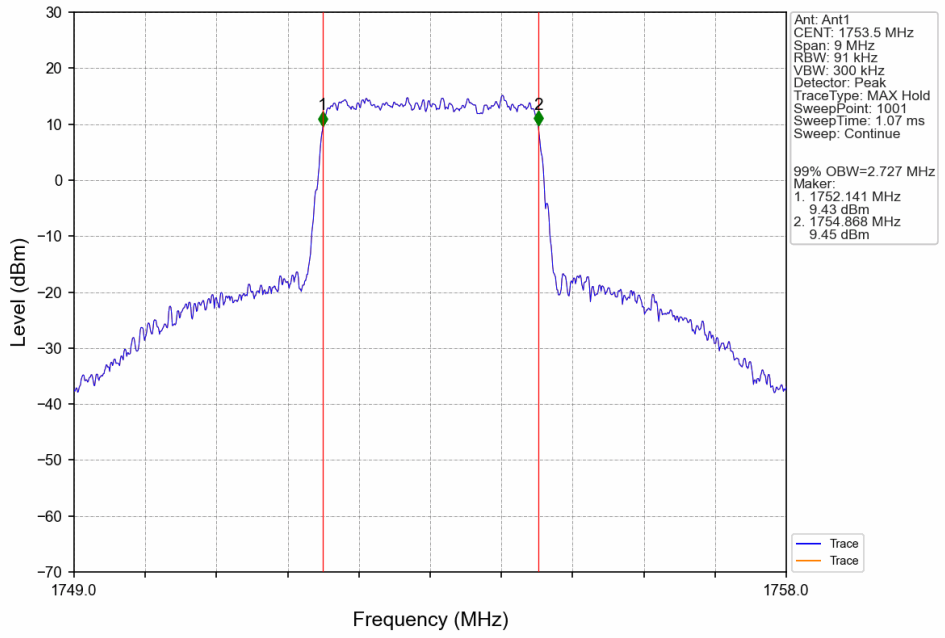
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



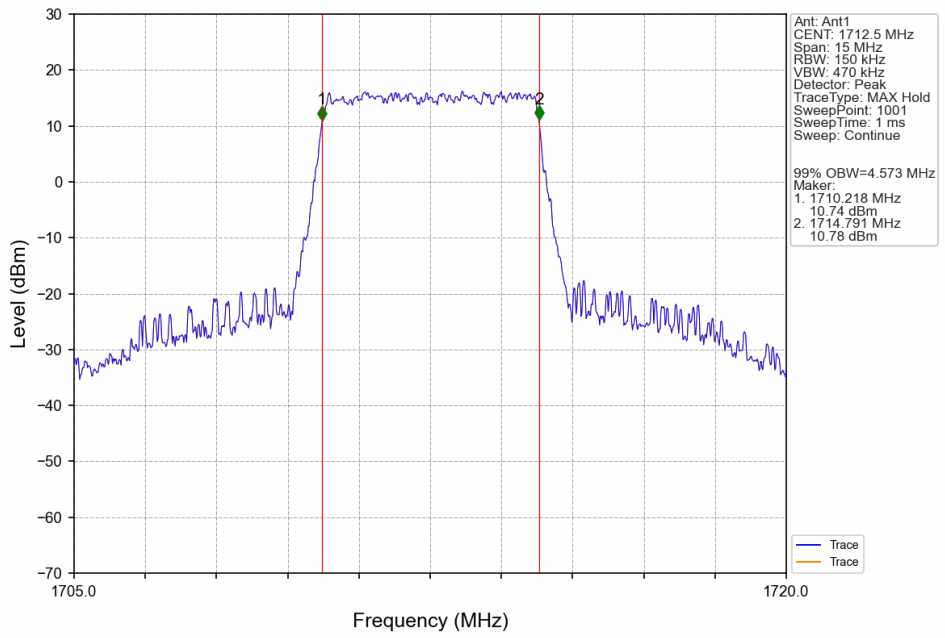
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



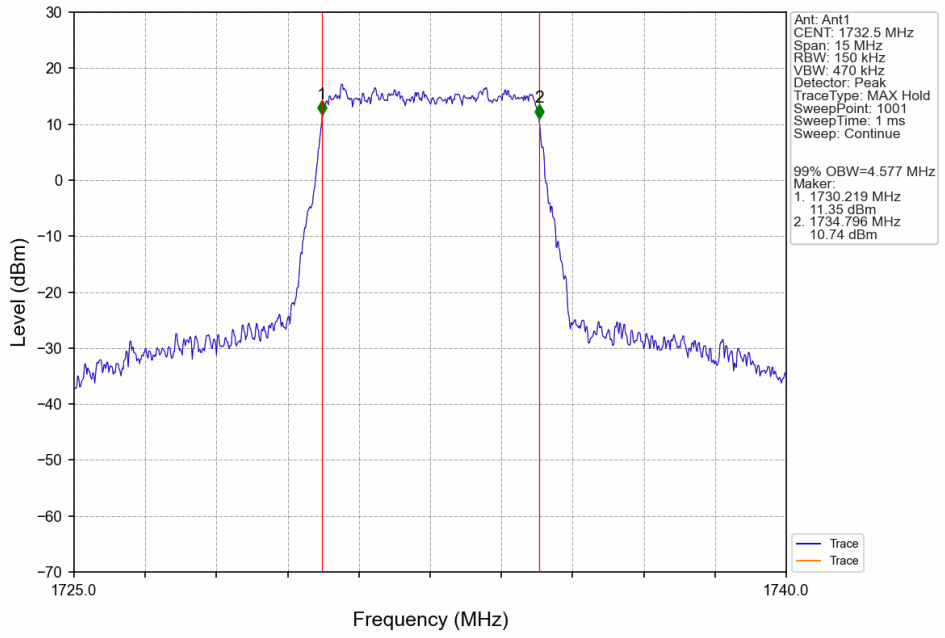
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



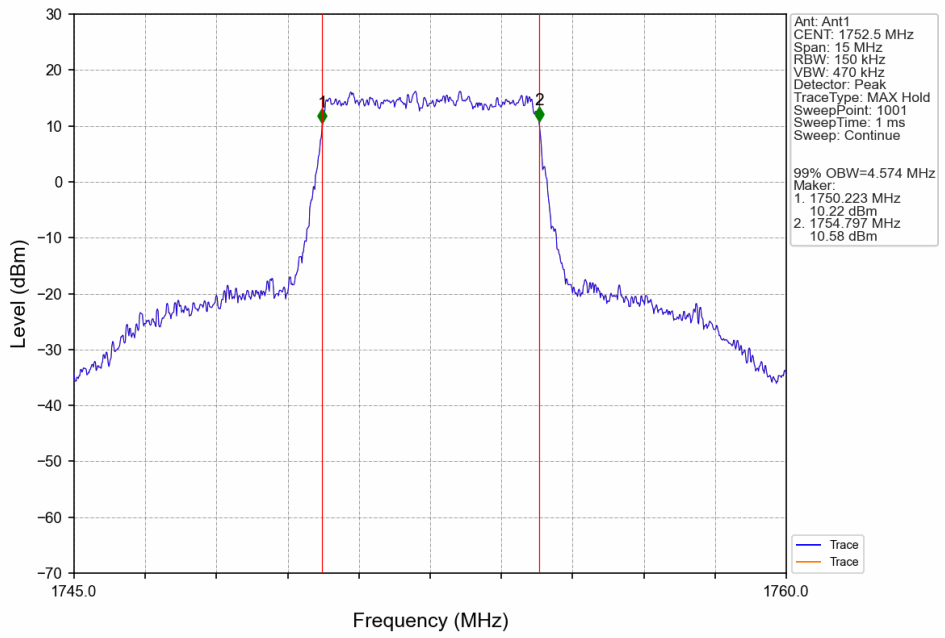
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



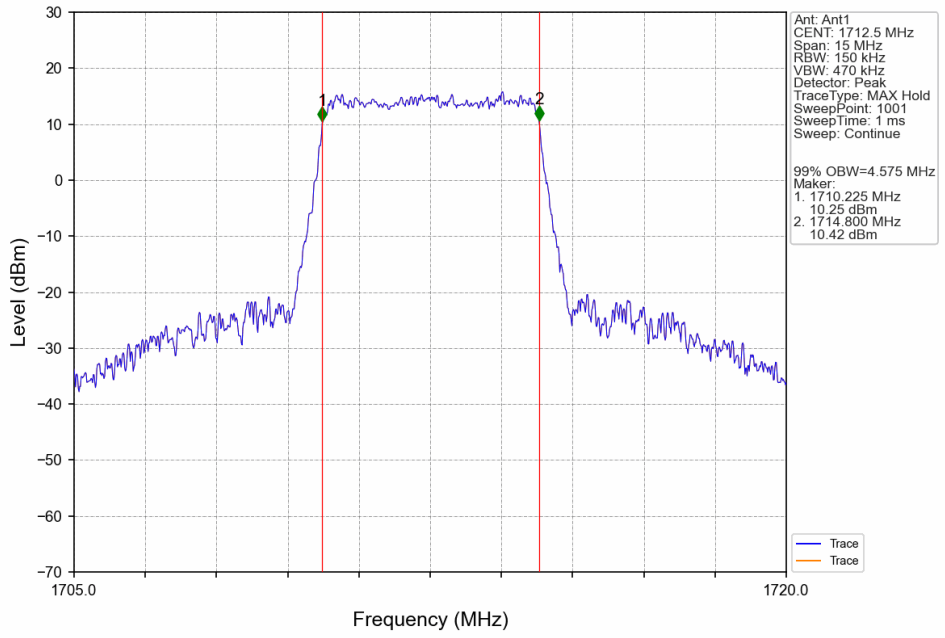
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



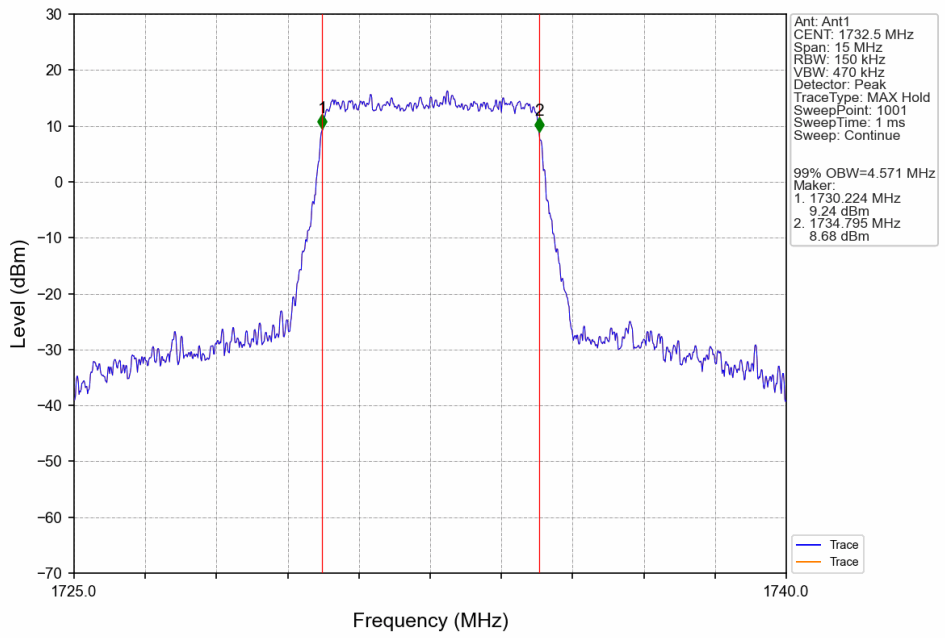
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



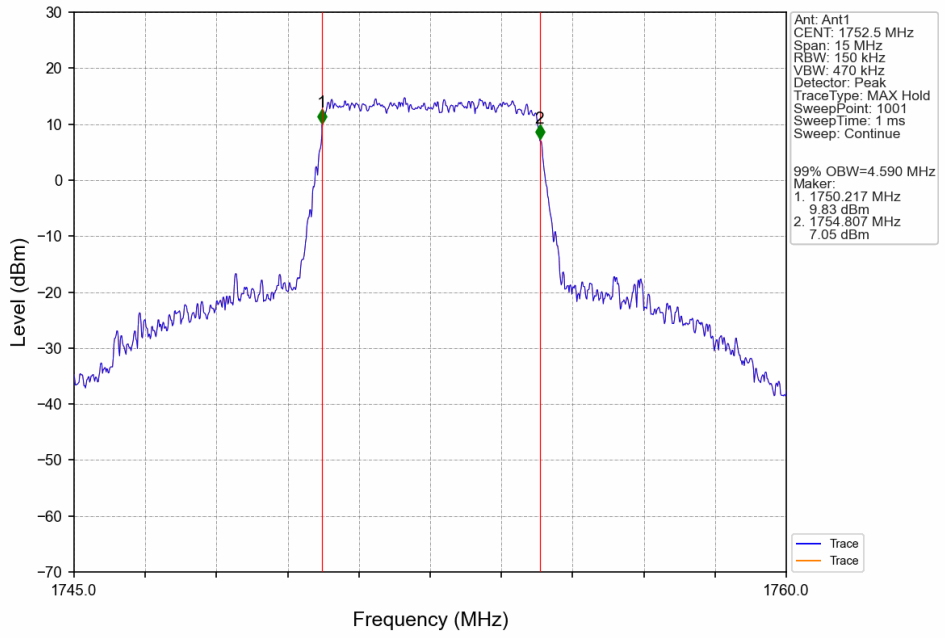
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



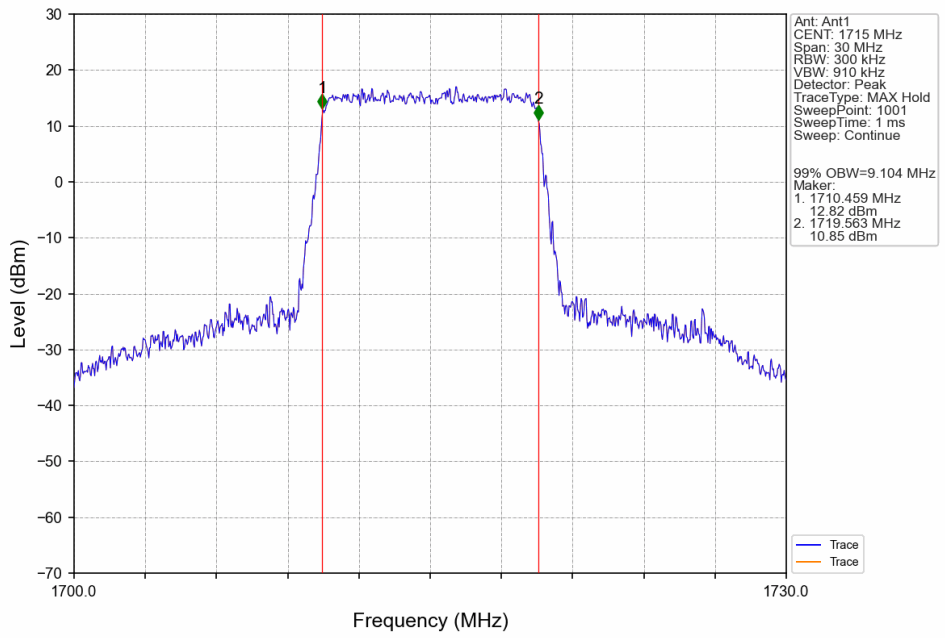
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



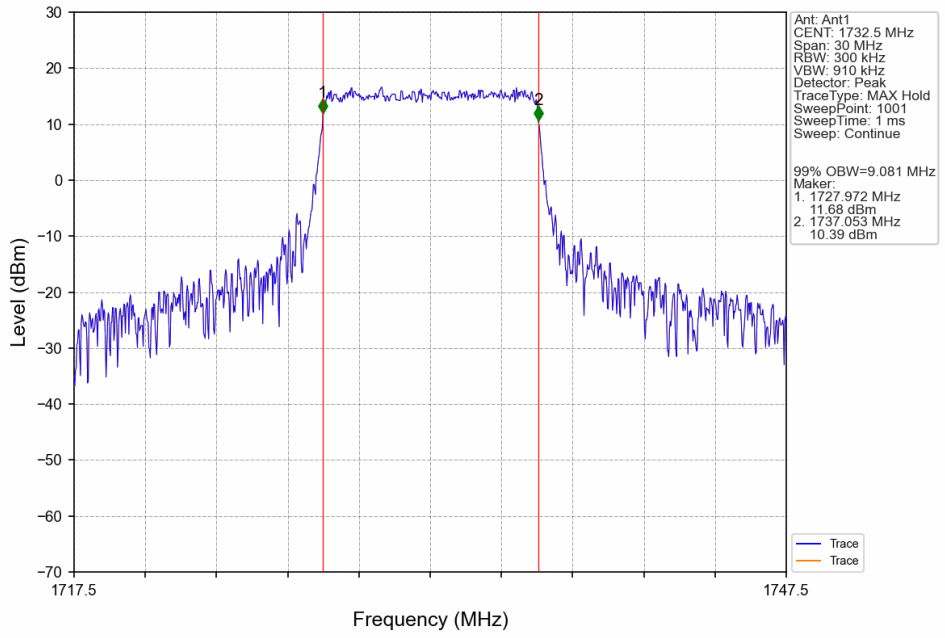
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



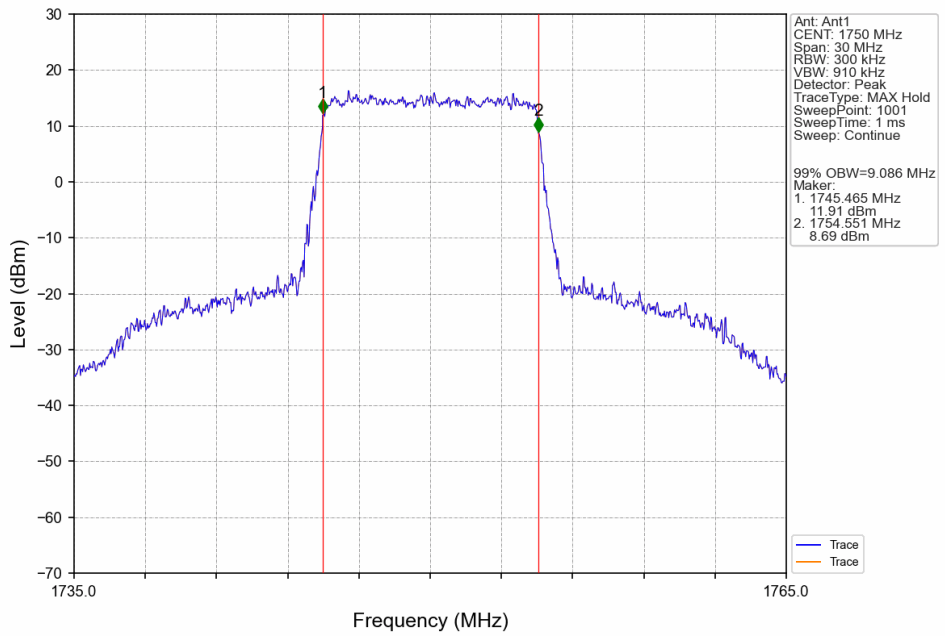
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



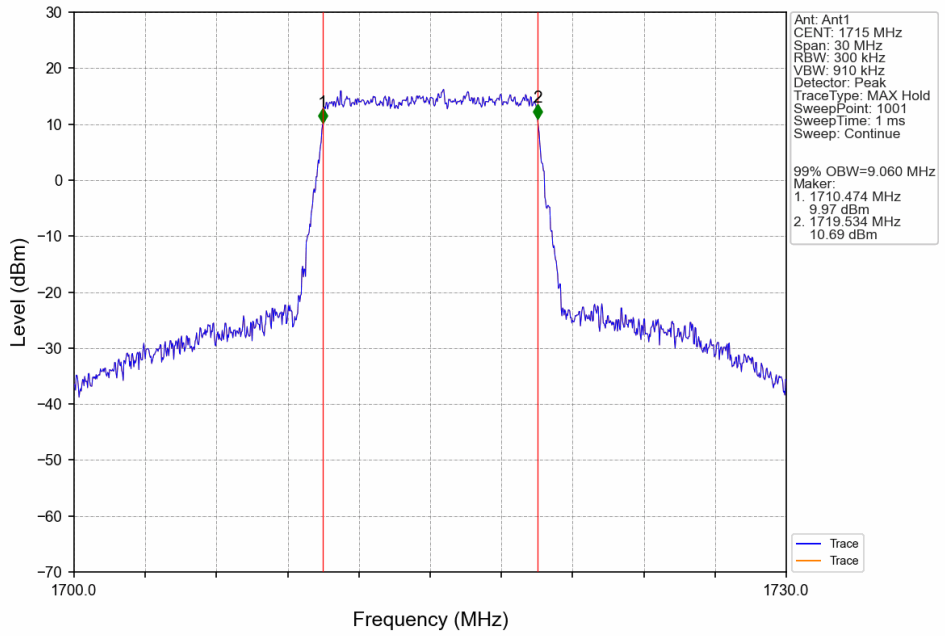
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



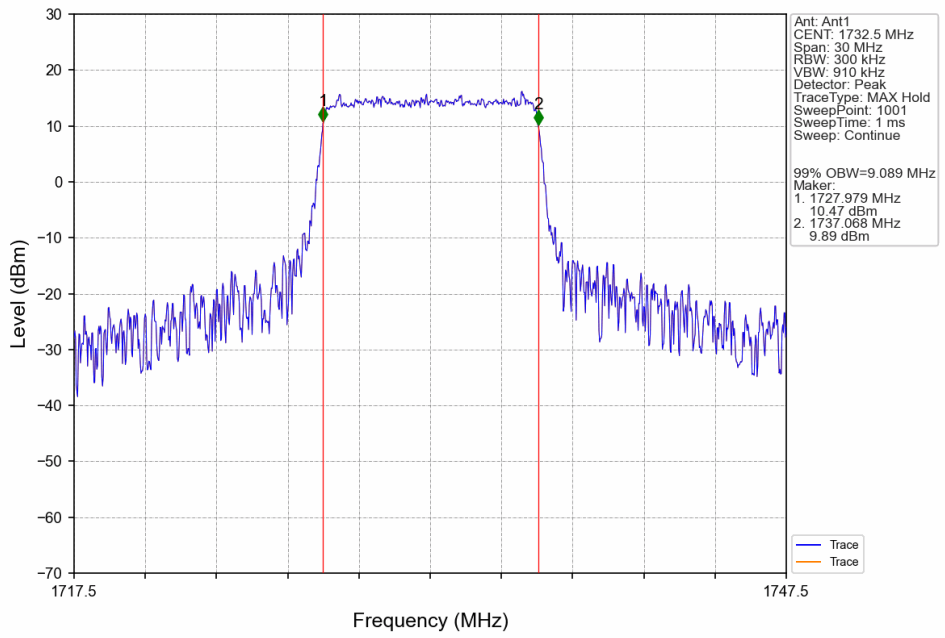
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



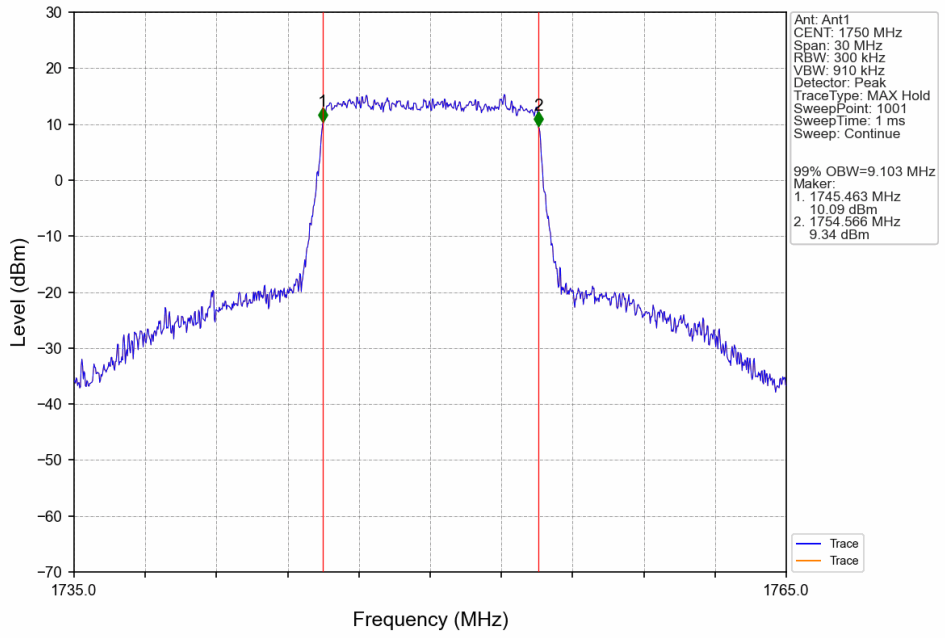
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



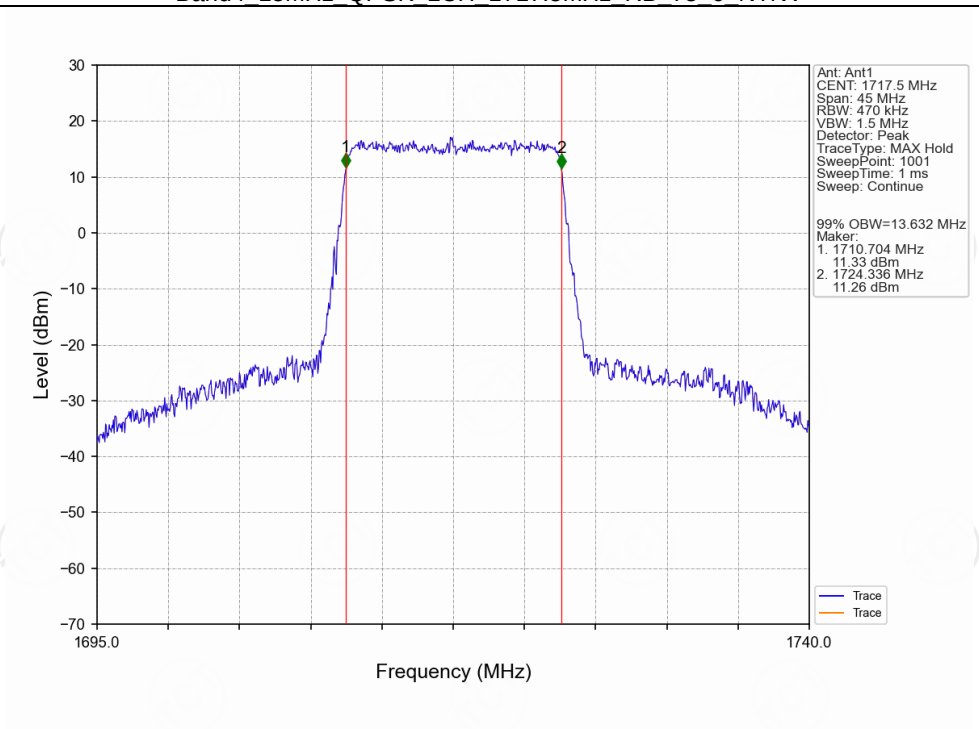
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



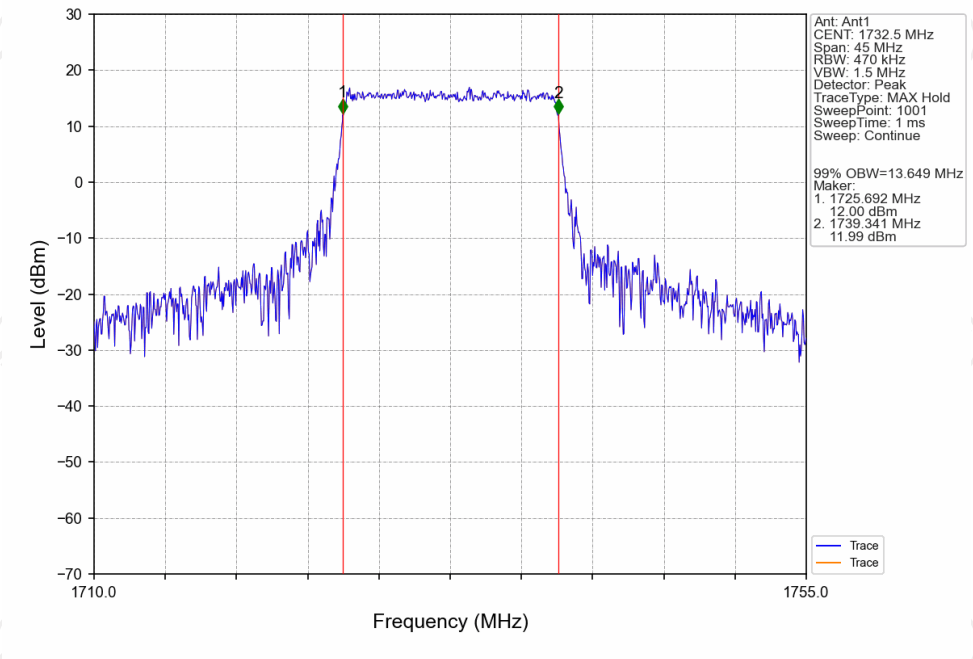
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



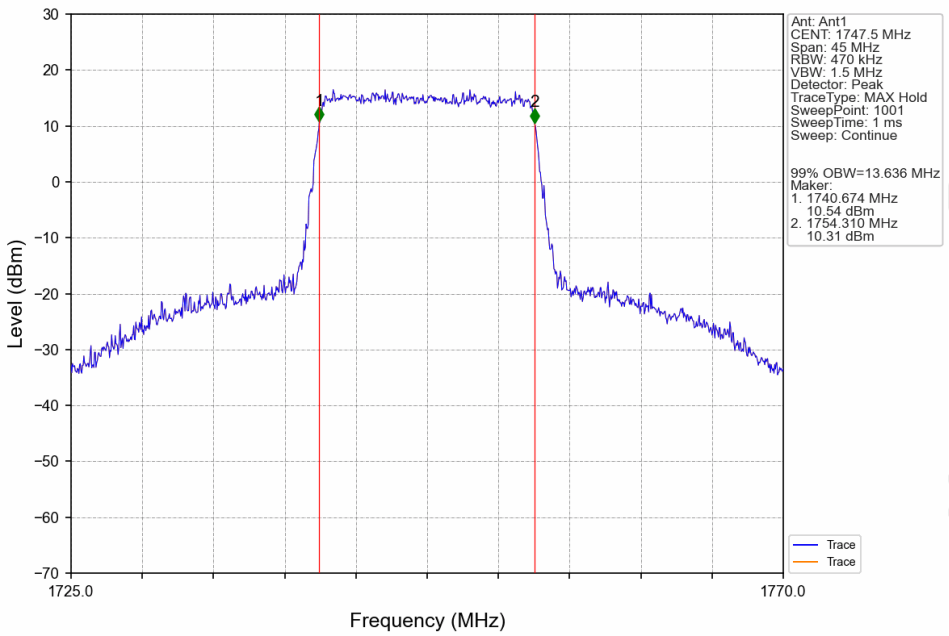
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



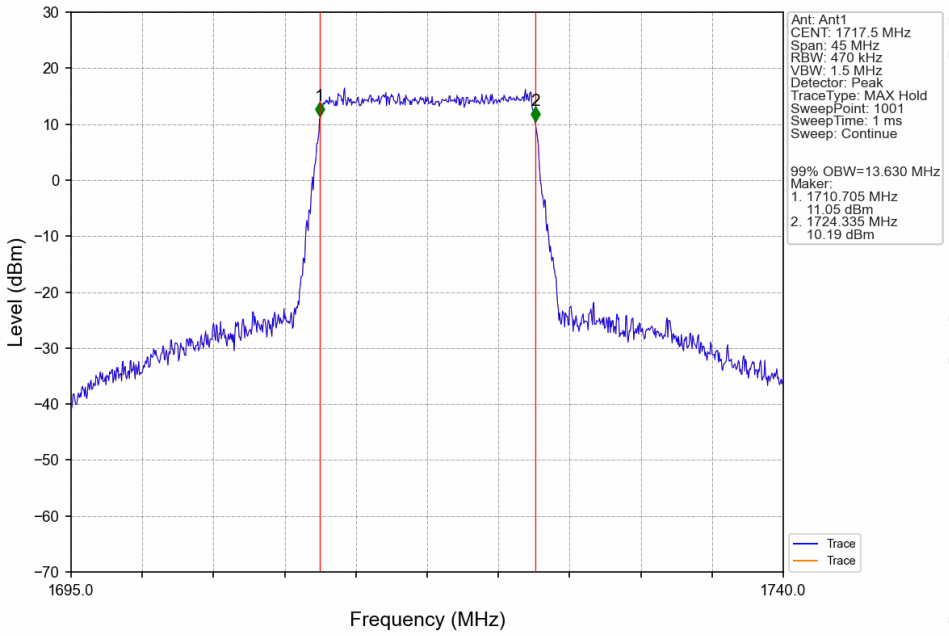
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



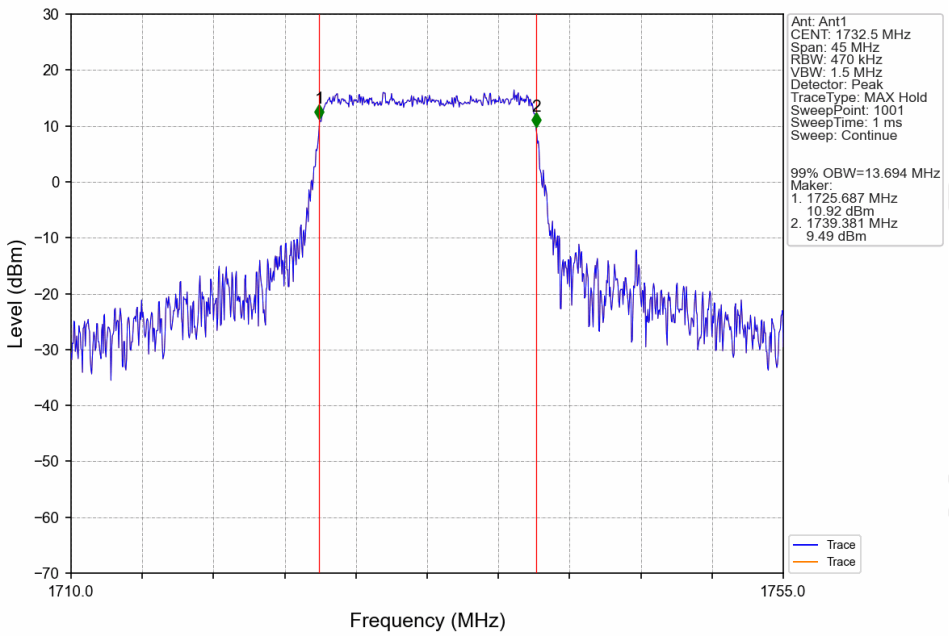
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



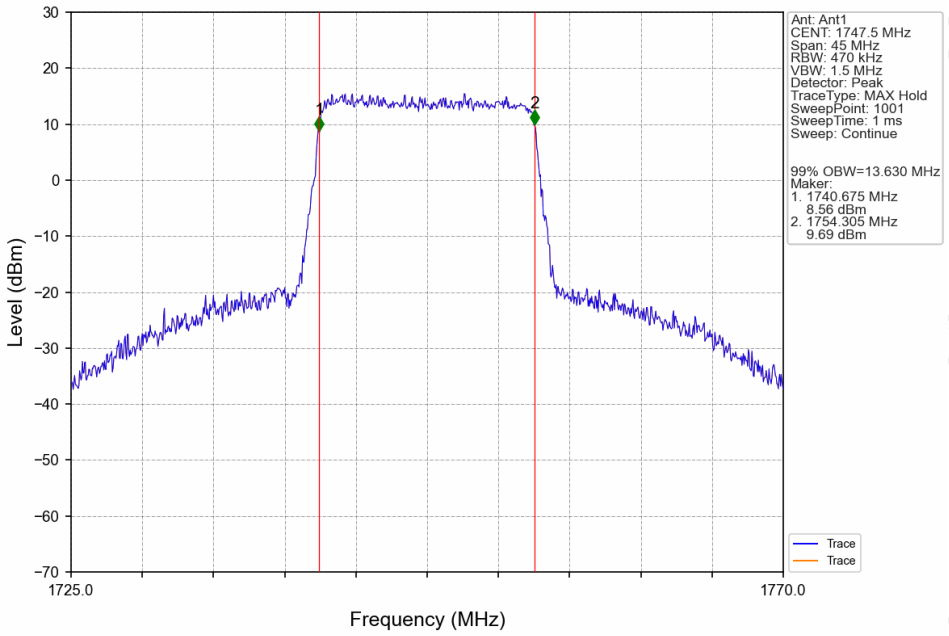
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



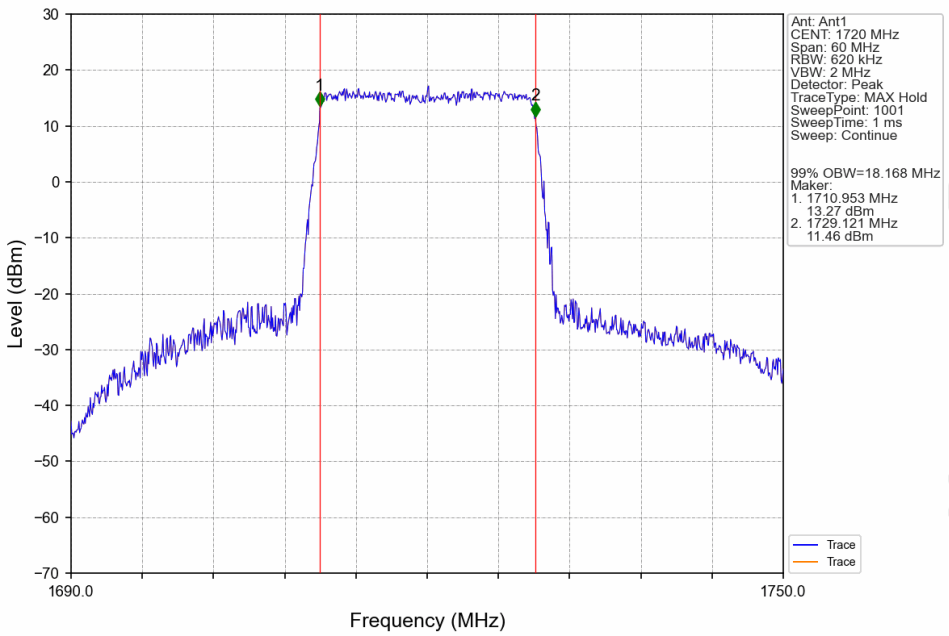
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



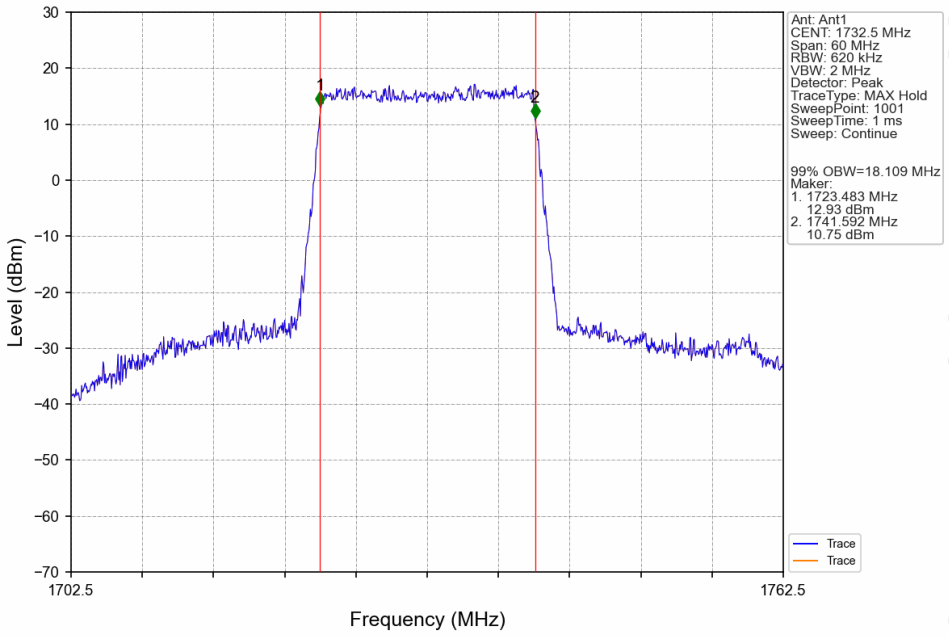
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



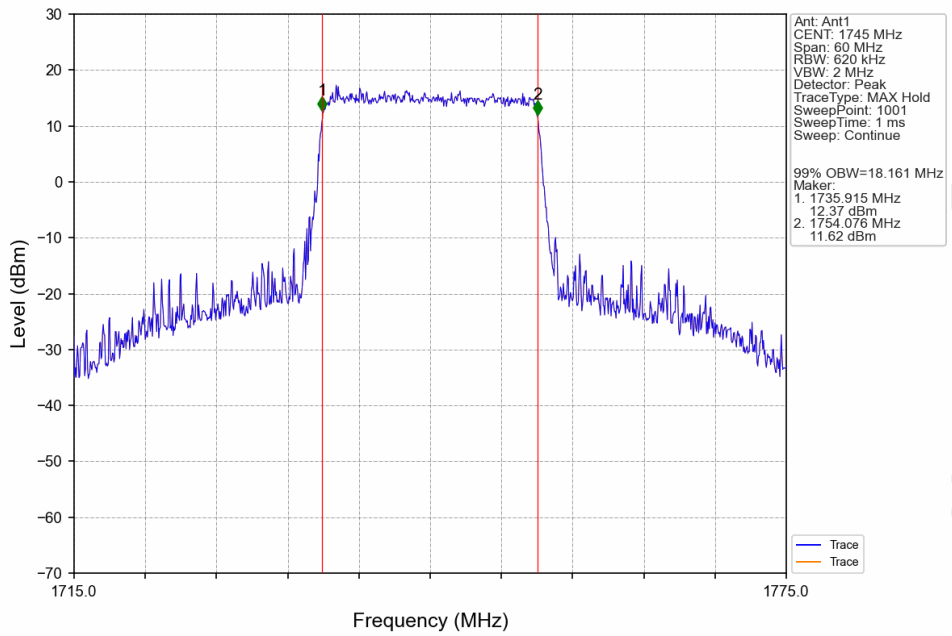
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



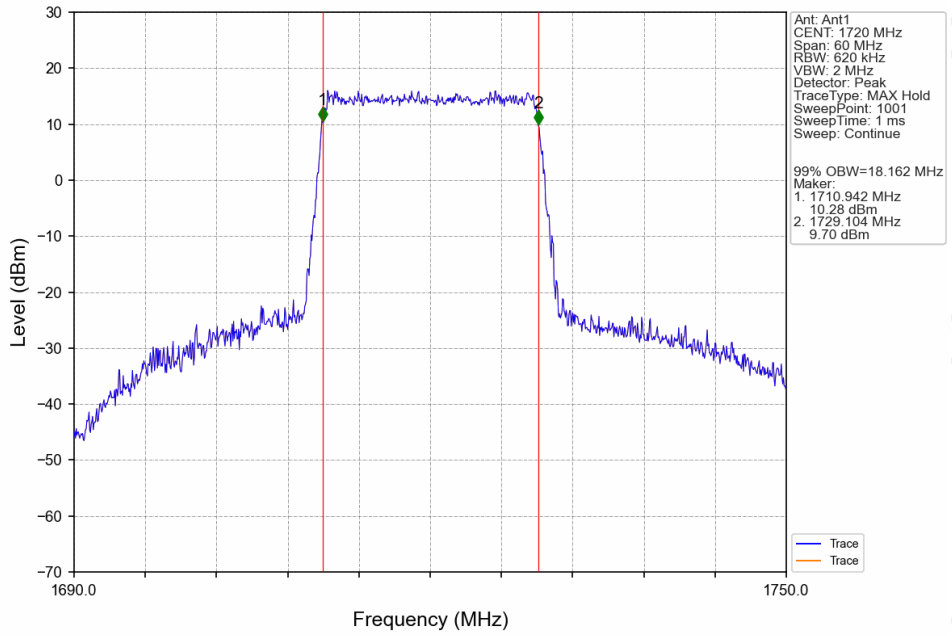
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



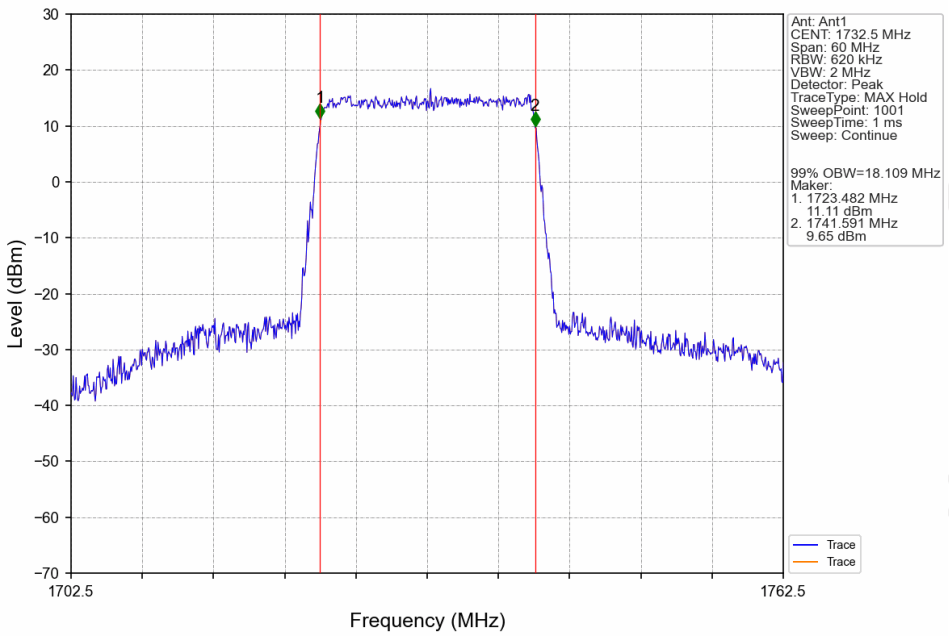
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



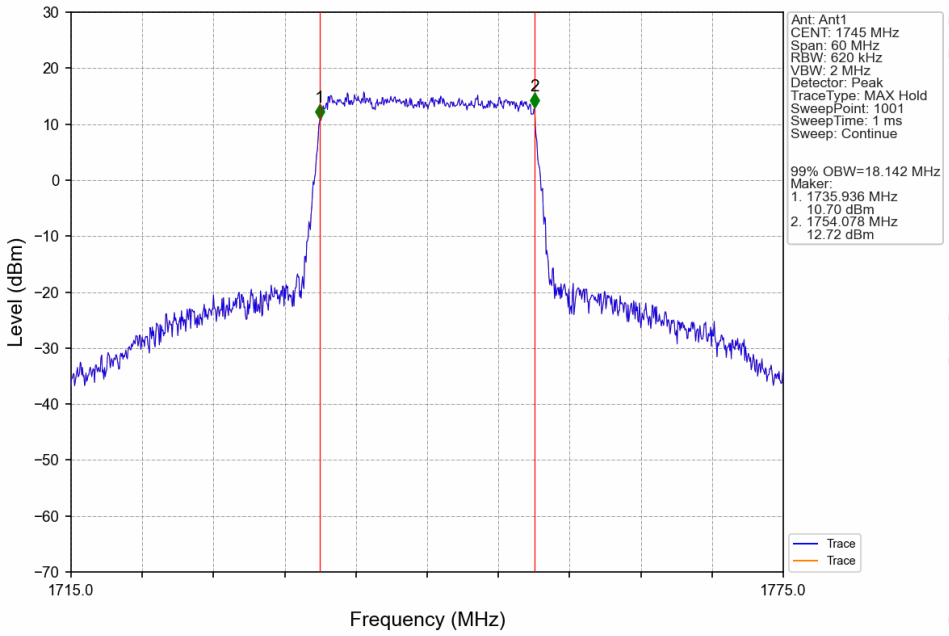
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

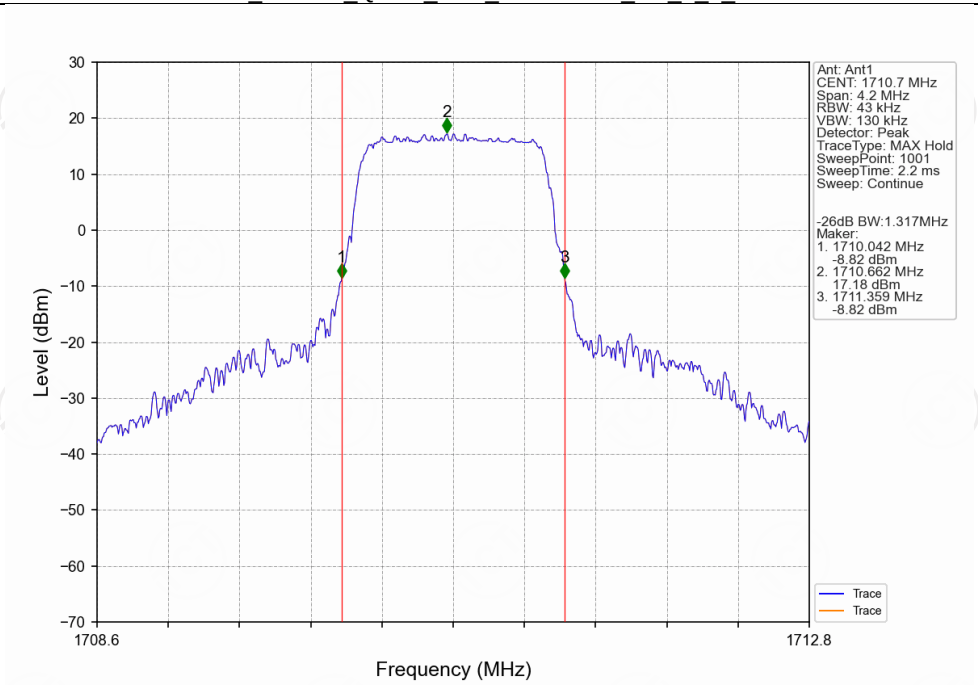


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

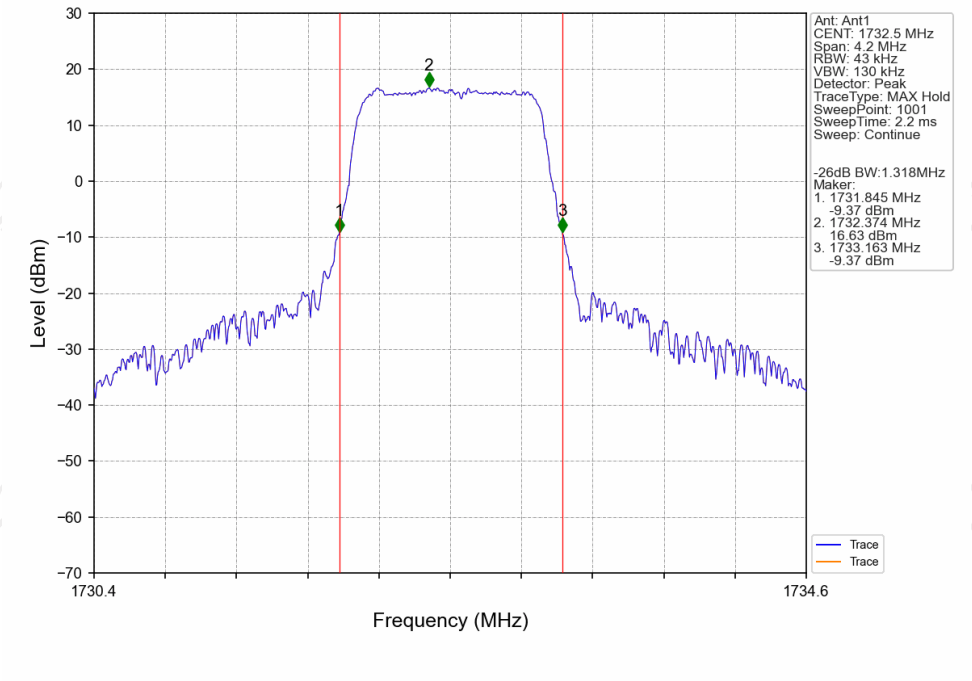


4.2.2 Band4_XDB

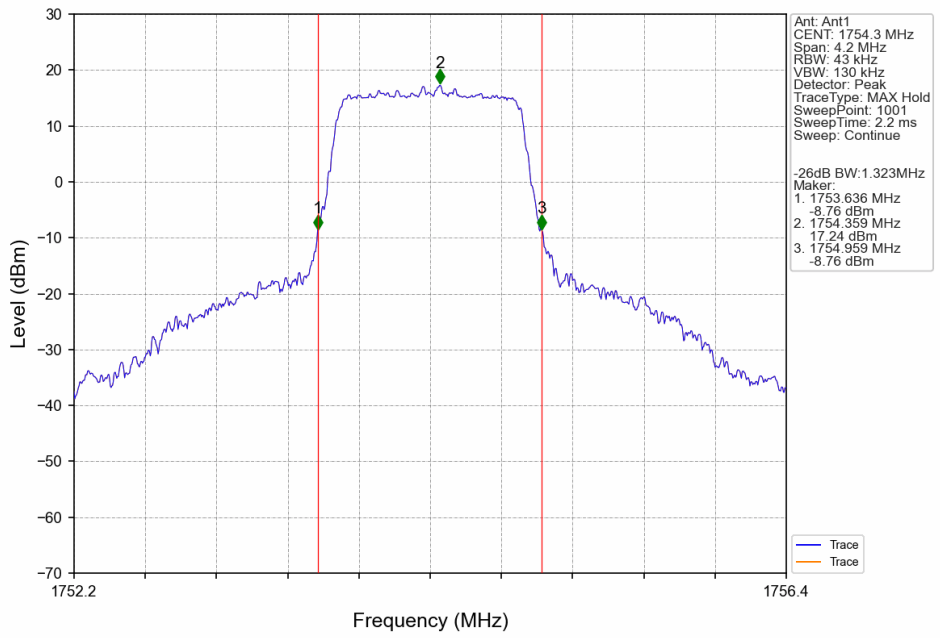
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



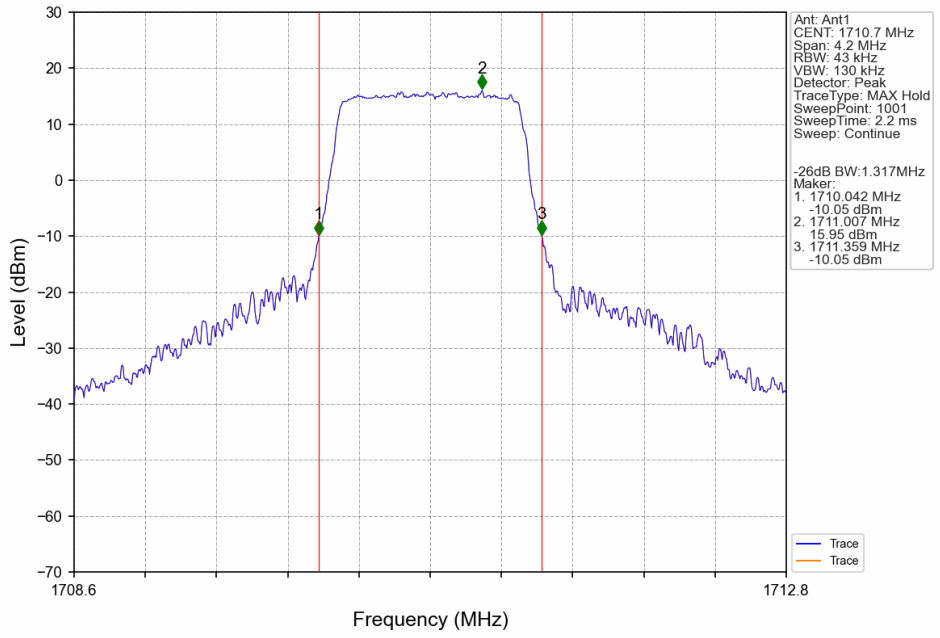
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



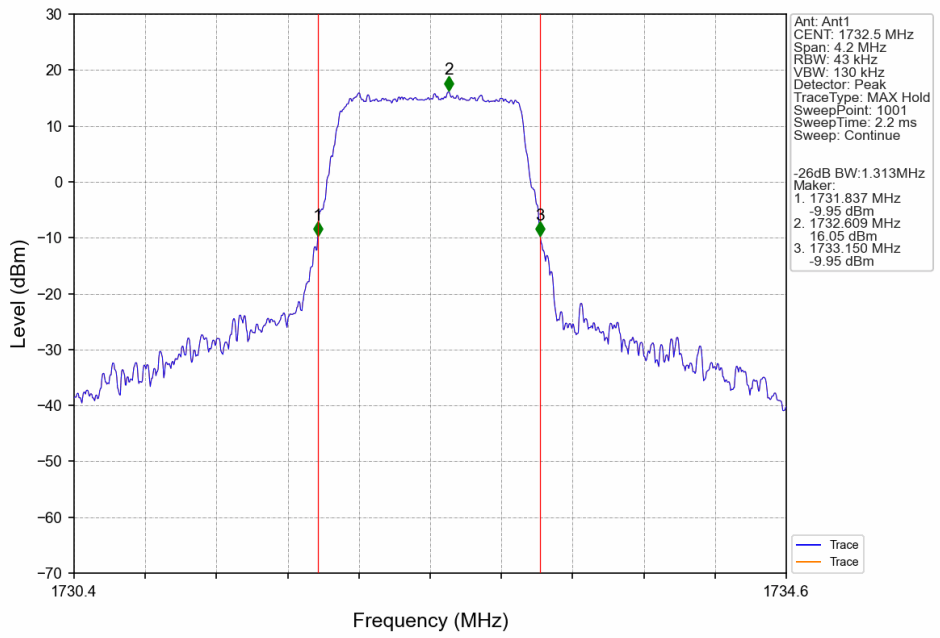
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



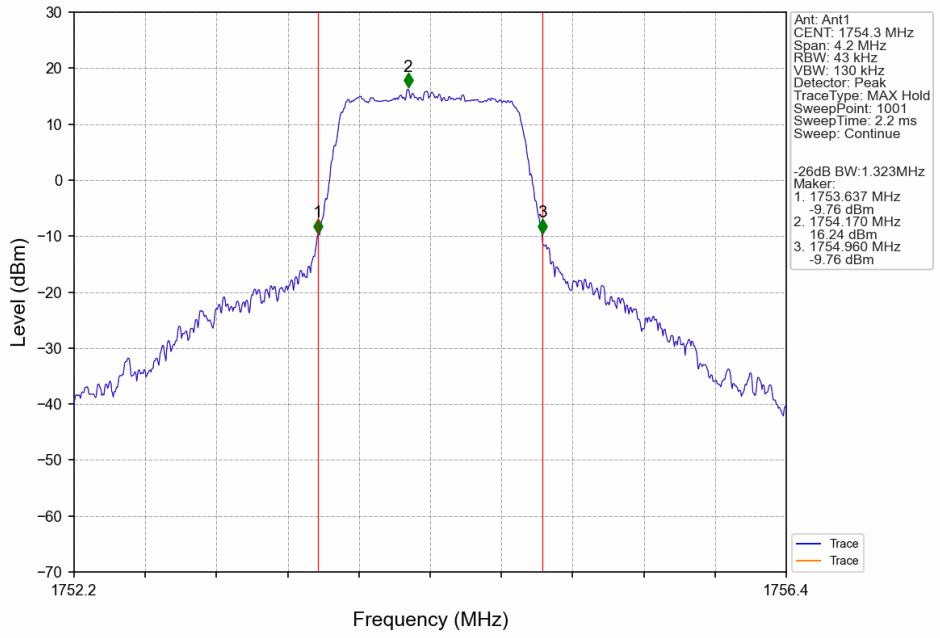
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



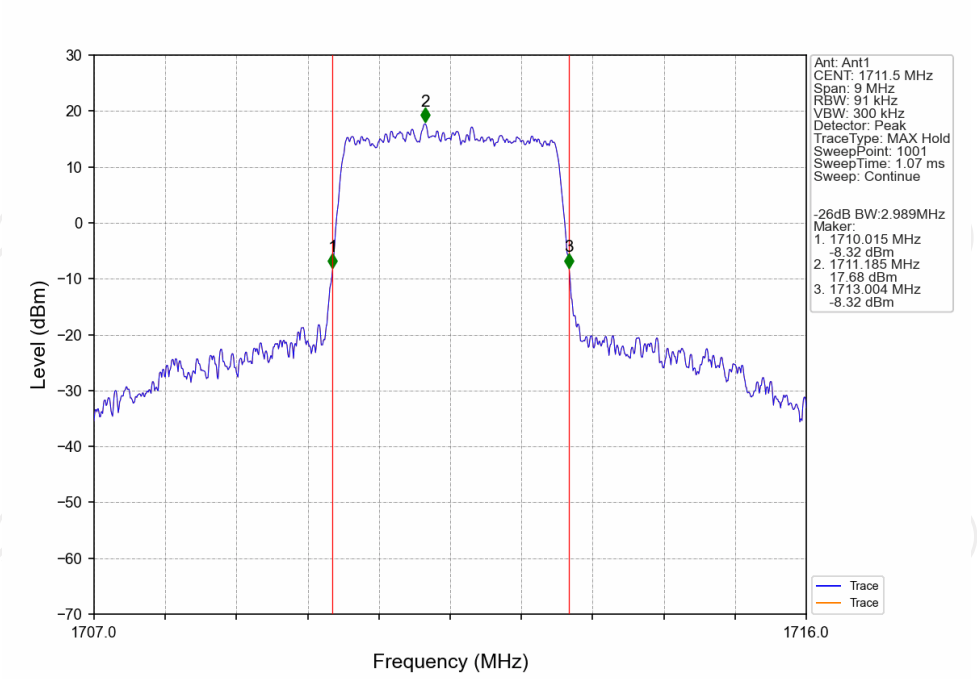
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



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