1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.03	-2.51	20.52	<=30	Pass
			2	23.03	-2.51	20.52	<=30	Pass
			5	23.03	-2.51	20.52	<=30	Pass
		3	0	23.08	-2.51	20.57	<=30	Pass
			2	23.01	-2.51	20.50	<=30	Pass
			3	23.05	-2.51	20.54	<=30	Pass
		6	0	22.11	-2.51	19.60	<=30	Pass
	1732.5	1	0	22.95	-2.51	20.44	<=30	Pass
			2	22.98	-2.51	20.47	<=30	Pass
			5	22.94	-2.51	20.43	<=30	Pass
		3	0	22.89	-2.51	20.38	<=30	Pass
			2	22.82	-2.51	20.31	<=30	Pass
			3	22.92	-2.51	20.41	<=30	Pass
		6	0	21.91	-2.51	19.40	<=30	Pass
	1754.3	1	0	22.58	-2.51	20.07	<=30	Pass
			2	22.63	-2.51	20.12	<=30	Pass
			5	22.66	-2.51	20.15	<=30	Pass
		3	0	22.60	-2.51	20.09	<=30	Pass
			2	22.52	-2.51	20.01	<=30	Pass
			3	22.56	-2.51	20.05	<=30	Pass
		6	0	21.48	-2.51	18.97	<=30	Pass
16QAM	1710.7	1	0	22.03	-2.51	19.52	<=30	Pass
			2	22.01	-2.51	19.50	<=30	Pass
			5	22.05	-2.51	19.54	<=30	Pass
		3	0	21.98	-2.51	19.47	<=30	Pass
			2	21.92	-2.51	19.41	<=30	Pass
			3	21.96	-2.51	19.45	<=30	Pass
		6	0	21.17	-2.51	18.66	<=30	Pass
	1732.5	1	0	22.54	-2.51	20.03	<=30	Pass
			2	22.62	-2.51	20.11	<=30	Pass
			5	22.59	-2.51	20.08	<=30	Pass
		3	0	22.05	-2.51	19.54	<=30	Pass
			2	22.03	-2.51	19.52	<=30	Pass
			3	22.06	-2.51	19.55	<=30	Pass
		6	0	21.10	-2.51	18.59	<=30	Pass
	1754.3	1	0	22.28	-2.51	19.77	<=30	Pass
			2	22.26	-2.51	19.75	<=30	Pass
			5	22.28	-2.51	19.77	<=30	Pass
		3	0	21.19	-2.51	18.68	<=30	Pass
			2	21.24	-2.51	18.73	<=30	Pass
			3	21.22	-2.51	18.71	<=30	Pass
		6	0	20.76	-2.51	18.25	<=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	22.96	-2.51	20.45	<=30	Pass
			7	22.94	-2.51	20.43	<=30	Pass
			14	22.90	-2.51	20.39	<=30	Pass
		8	0	22.05	-2.51	19.54	<=30	Pass
			4	22.10	-2.51	19.59	<=30	Pass
			7	21.95	-2.51	19.44	<=30	Pass
		15	0	22.06	-2.51	19.55	<=30	Pass
	1732.5	1	0	22.94	-2.51	20.43	<=30	Pass
			7	22.87	-2.51	20.36	<=30	Pass
			14	22.91	-2.51	20.40	<=30	Pass
		8	0	21.90	-2.51	19.39	<=30	Pass
			4	21.80	-2.51	19.29	<=30	Pass
			7	21.80	-2.51	19.29	<=30	Pass
		15	0	21.90	-2.51	19.39	<=30	Pass
	1753.5	1	0	22.40	-2.51	19.89	<=30	Pass
			7	22.42	-2.51	19.91	<=30	Pass
			14	22.61	-2.51	20.10	<=30	Pass
		8	0	21.51	-2.51	19.00	<=30	Pass
			4	21.52	-2.51	19.01	<=30	Pass
			7	21.59	-2.51	19.08	<=30	Pass
		15	0	21.50	-2.51	18.99	<=30	Pass
16QAM	1711.5	1	0	22.78	-2.51	20.27	<=30	Pass
			7	22.84	-2.51	20.33	<=30	Pass
			14	22.72	-2.51	20.21	<=30	Pass
		8	0	21.32	-2.51	18.81	<=30	Pass
			4	21.32	-2.51	18.81	<=30	Pass
			7	21.26	-2.51	18.75	<=30	Pass
		15	0	21.27	-2.51	18.76	<=30	Pass
	1732.5	1	0	21.86	-2.51	19.35	<=30	Pass
			7	21.85	-2.51	19.34	<=30	Pass
			14	21.92	-2.51	19.41	<=30	Pass
		8	0	21.09	-2.51	18.58	<=30	Pass
			4	21.09	-2.51	18.58	<=30	Pass
			7	21.10	-2.51	18.59	<=30	Pass
		15	0	21.00	-2.51	18.49	<=30	Pass
	1753.5	1	0	22.33	-2.51	19.82	<=30	Pass
			7	22.28	-2.51	19.77	<=30	Pass
			14	22.33	-2.51	19.82	<=30	Pass
		8	0	20.70	-2.51	18.19	<=30	Pass
			4	20.71	-2.51	18.20	<=30	Pass
			7	20.74	-2.51	18.23	<=30	Pass
		15	0	20.62	-2.51	18.11	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	22.99	-2.51	20.48	<=30	Pass
			13	22.94	-2.51	20.43	<=30	Pass
			24	22.86	-2.51	20.35	<=30	Pass
		12	0	22.08	-2.51	19.57	<=30	Pass
			6	22.03	-2.51	19.52	<=30	Pass
			13	22.06	-2.51	19.55	<=30	Pass
		25	0	22.00	-2.51	19.49	<=30	Pass

	1732.5	1	0	22.96	-2.51	20.45	<=30	Pass
			13	22.71	-2.51	20.20	<=30	Pass
			24	22.68	-2.51	20.17	<=30	Pass
		12	0	21.93	-2.51	19.42	<=30	Pass
			6	21.76	-2.51	19.25	<=30	Pass
			13	21.79	-2.51	19.28	<=30	Pass
		25	0	21.84	-2.51	19.33	<=30	Pass
	1752.5	1	0	22.60	-2.51	20.09	<=30	Pass
			13	22.53	-2.51	20.02	<=30	Pass
			24	22.57	-2.51	20.06	<=30	Pass
		12	0	21.56	-2.51	19.05	<=30	Pass
			6	21.56	-2.51	19.05	<=30	Pass
			13	21.49	-2.51	18.98	<=30	Pass
		25	0	21.54	-2.51	19.03	<=30	Pass
16QAM	1712.5	1	0	21.62	-2.51	19.11	<=30	Pass
			13	21.56	-2.51	19.05	<=30	Pass
			24	21.54	-2.51	19.03	<=30	Pass
		12	0	21.19	-2.51	18.68	<=30	Pass
			6	21.03	-2.51	18.52	<=30	Pass
			13	21.06	-2.51	18.55	<=30	Pass
		25	0	21.16	-2.51	18.65	<=30	Pass
	1732.5	1	0	22.49	-2.51	19.98	<=30	Pass
			13	22.48	-2.51	19.97	<=30	Pass
			24	22.47	-2.51	19.96	<=30	Pass
		12	0	20.91	-2.51	18.40	<=30	Pass
			6	20.91	-2.51	18.40	<=30	Pass
			13	20.92	-2.51	18.41	<=30	Pass
		25	0	21.00	-2.51	18.49	<=30	Pass
	1752.5	1	0	21.73	-2.51	19.22	<=30	Pass
			13	21.79	-2.51	19.28	<=30	Pass
			24	21.83	-2.51	19.32	<=30	Pass
		12	0	20.43	-2.51	17.92	<=30	Pass
			6	20.45	-2.51	17.94	<=30	Pass
			13	20.43	-2.51	17.92	<=30	Pass
		25	0	20.42	-2.51	17.91	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.03	-2.51	20.52	<=30	Pass
			25	22.98	-2.51	20.47	<=30	Pass
			49	22.99	-2.51	20.48	<=30	Pass
		25	0	22.02	-2.51	19.51	<=30	Pass
			13	22.03	-2.51	19.52	<=30	Pass
			25	22.03	-2.51	19.52	<=30	Pass
		50	0	22.07	-2.51	19.56	<=30	Pass
	1732.5	1	0	22.85	-2.51	20.34	<=30	Pass
			25	22.76	-2.51	20.25	<=30	Pass
			49	22.76	-2.51	20.25	<=30	Pass
		25	0	21.92	-2.51	19.41	<=30	Pass
			13	21.80	-2.51	19.29	<=30	Pass
			25	21.84	-2.51	19.33	<=30	Pass
		50	0	21.87	-2.51	19.36	<=30	Pass
	1750	1	0	22.58	-2.51	20.07	<=30	Pass
			25	22.53	-2.51	20.02	<=30	Pass

			49	22.60	-2.51	20.09	<=30	Pass
		25	0	21.45	-2.51	18.94	<=30	Pass
			13	21.57	-2.51	19.06	<=30	Pass
			25	21.53	-2.51	19.02	<=30	Pass
		50	0	21.49	-2.51	18.98	<=30	Pass
16QAM	1715	1	0	23.13	-2.51	20.62	<=30	Pass
			25	23.03	-2.51	20.52	<=30	Pass
			49	23.03	-2.51	20.52	<=30	Pass
		25	0	21.09	-2.51	18.58	<=30	Pass
			13	21.10	-2.51	18.59	<=30	Pass
			25	21.17	-2.51	18.66	<=30	Pass
		50	0	21.13	-2.51	18.62	<=30	Pass
	1732.5	1	0	22.23	-2.51	19.72	<=30	Pass
			25	22.17	-2.51	19.66	<=30	Pass
			49	22.09	-2.51	19.58	<=30	Pass
		25	0	21.09	-2.51	18.58	<=30	Pass
			13	21.12	-2.51	18.61	<=30	Pass
			25	21.06	-2.51	18.55	<=30	Pass
		50	0	20.95	-2.51	18.44	<=30	Pass
	1750	1	0	23.09	-2.51	20.58	<=30	Pass
			25	23.04	-2.51	20.53	<=30	Pass
			49	23.09	-2.51	20.58	<=30	Pass
		25	0	20.65	-2.51	18.14	<=30	Pass
			13	20.62	-2.51	18.11	<=30	Pass
			25	20.66	-2.51	18.15	<=30	Pass
		50	0	20.61	-2.51	18.10	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.01	-2.51	20.50	<=30	Pass
			38	22.97	-2.51	20.46	<=30	Pass
			74	22.98	-2.51	20.47	<=30	Pass
		36	0	21.94	-2.51	19.43	<=30	Pass
			18	22.02	-2.51	19.51	<=30	Pass
			39	21.98	-2.51	19.47	<=30	Pass
		75	0	22.04	-2.51	19.53	<=30	Pass
	1732.5	1	0	22.75	-2.51	20.24	<=30	Pass
			38	22.71	-2.51	20.20	<=30	Pass
			74	22.48	-2.51	19.97	<=30	Pass
		36	0	21.85	-2.51	19.34	<=30	Pass
			18	21.91	-2.51	19.40	<=30	Pass
			39	21.83	-2.51	19.32	<=30	Pass
		75	0	21.82	-2.51	19.31	<=30	Pass
	1747.5	1	0	22.64	-2.51	20.13	<=30	Pass
			38	22.56	-2.51	20.05	<=30	Pass
			74	22.55	-2.51	20.04	<=30	Pass
		36	0	21.60	-2.51	19.09	<=30	Pass
			18	21.56	-2.51	19.05	<=30	Pass
			39	21.57	-2.51	19.06	<=30	Pass
		75	0	21.52	-2.51	19.01	<=30	Pass
16QAM	1717.5	1	0	22.77	-2.51	20.26	<=30	Pass
			38	22.77	-2.51	20.26	<=30	Pass
			74	22.74	-2.51	20.23	<=30	Pass
		36	0	21.23	-2.51	18.72	<=30	Pass

			18	21.19	-2.51	18.68	<=30	Pass
			39	21.12	-2.51	18.61	<=30	Pass
		75	0	21.17	-2.51	18.66	<=30	Pass
	1732.5	1	0	22.61	-2.51	20.10	<=30	Pass
			38	22.55	-2.51	20.04	<=30	Pass
			74	22.36	-2.51	19.85	<=30	Pass
		36	0	21.04	-2.51	18.53	<=30	Pass
			18	20.94	-2.51	18.43	<=30	Pass
			39	20.80	-2.51	18.29	<=30	Pass
		75	0	20.95	-2.51	18.44	<=30	Pass
	1747.5	1	0	23.11	-2.51	20.60	<=30	Pass
			38	23.09	-2.51	20.58	<=30	Pass
			74	22.94	-2.51	20.43	<=30	Pass
		36	0	20.72	-2.51	18.21	<=30	Pass
			18	20.66	-2.51	18.15	<=30	Pass
			39	20.54	-2.51	18.03	<=30	Pass
		75	0	20.64	-2.51	18.13	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.09	-2.51	20.58	<=30	Pass
			50	23.04	-2.51	20.53	<=30	Pass
			99	23.01	-2.51	20.50	<=30	Pass
		50	0	22.01	-2.51	19.50	<=30	Pass
			25	22.00	-2.51	19.49	<=30	Pass
			50	21.91	-2.51	19.40	<=30	Pass
		100	0	21.95	-2.51	19.44	<=30	Pass
	1732.5	1	0	23.02	-2.51	20.51	<=30	Pass
			50	22.85	-2.51	20.34	<=30	Pass
			99	22.62	-2.51	20.11	<=30	Pass
		50	0	21.94	-2.51	19.43	<=30	Pass
			25	21.82	-2.51	19.31	<=30	Pass
			50	21.72	-2.51	19.21	<=30	Pass
		100	0	21.80	-2.51	19.29	<=30	Pass
	1745	1	0	23.00	-2.51	20.49	<=30	Pass
			50	22.89	-2.51	20.38	<=30	Pass
			99	22.78	-2.51	20.27	<=30	Pass
		50	0	21.58	-2.51	19.07	<=30	Pass
			25	21.67	-2.51	19.16	<=30	Pass
			50	21.57	-2.51	19.06	<=30	Pass
		100	0	21.71	-2.51	19.20	<=30	Pass
16QAM	1720	1	0	22.52	-2.51	20.01	<=30	Pass
			50	22.47	-2.51	19.96	<=30	Pass
			99	22.38	-2.51	19.87	<=30	Pass
		50	0	21.13	-2.51	18.62	<=30	Pass
			25	21.18	-2.51	18.67	<=30	Pass
			50	21.11	-2.51	18.60	<=30	Pass
		100	0	21.08	-2.51	18.57	<=30	Pass
	1732.5	1	0	23.43	-2.51	20.92	<=30	Pass
			50	23.24	-2.51	20.73	<=30	Pass
			99	23.03	-2.51	20.52	<=30	Pass
		50	0	20.97	-2.51	18.46	<=30	Pass
			25	20.89	-2.51	18.38	<=30	Pass
			50	20.77	-2.51	18.26	<=30	Pass

		100	0	21.03	-2.51	18.52	<=30	Pass
	1745	1	0	22.24	-2.51	19.73	<=30	Pass
			50	22.11	-2.51	19.60	<=30	Pass
			99	22.02	-2.51	19.51	<=30	Pass
		50	0	20.74	-2.51	18.23	<=30	Pass
			25	20.67	-2.51	18.16	<=30	Pass
			50	20.49	-2.51	17.98	<=30	Pass
		100	0	20.71	-2.51	18.20	<=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	8.755	0.0051	-2.5 to 2.5	Pass
					3.85	17.509	0.0102	-2.5 to 2.5	Pass
					4.43	36.221	0.0212	-2.5 to 2.5	Pass
				-30	3.85	-8.826	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-11.730	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-26.536	-0.0155	-2.5 to 2.5	Pass
				30	3.85	-43.845	-0.0256	-2.5 to 2.5	Pass
				40	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-25.520	-0.0149	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-4.163	-0.0024	-2.5 to 2.5	Pass
					3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
					4.43	1.559	0.0009	-2.5 to 2.5	Pass
				-30	3.85	4.578	0.0026	-2.5 to 2.5	Pass
				-20	3.85	5.450	0.0031	-2.5 to 2.5	Pass
				-10	3.85	5.836	0.0034	-2.5 to 2.5	Pass
				0	3.85	3.061	0.0018	-2.5 to 2.5	Pass
				10	3.85	10.629	0.0061	-2.5 to 2.5	Pass
				30	3.85	14.105	0.0081	-2.5 to 2.5	Pass
				40	3.85	16.322	0.0094	-2.5 to 2.5	Pass
				50	3.85	23.460	0.0135	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	2.117	0.0012	-2.5 to 2.5	Pass
					3.85	12.403	0.0071	-2.5 to 2.5	Pass
					4.43	36.764	0.0210	-2.5 to 2.5	Pass
				-30	3.85	24.548	0.0140	-2.5 to 2.5	Pass
				-20	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	8.082	0.0046	-2.5 to 2.5	Pass
				0	3.85	14.248	0.0081	-2.5 to 2.5	Pass
				10	3.85	15.020	0.0086	-2.5 to 2.5	Pass
				30	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				40	3.85	-14.448	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-24.447	-0.0139	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-14.105	-0.0082	-2.5 to 2.5	Pass
					3.85	-31.071	-0.0182	-2.5 to 2.5	Pass
					4.43	-6.995	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-29.597	-0.0173	-2.5 to 2.5	Pass

				-20	3.85	-9.012	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-22.202	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-5.078	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-22.645	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-33.345	-0.0195	-2.5 to 2.5	Pass
				40	3.85	-3.018	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-7.067	-0.0041	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	37.351	0.0216	-2.5 to 2.5	Pass
					3.85	44.589	0.0257	-2.5 to 2.5	Pass
					4.43	1.159	0.0007	-2.5 to 2.5	Pass
				-30	3.85	10.872	0.0063	-2.5 to 2.5	Pass
				-20	3.85	17.810	0.0103	-2.5 to 2.5	Pass
				-10	3.85	24.405	0.0141	-2.5 to 2.5	Pass
				0	3.85	-8.011	-0.0046	-2.5 to 2.5	Pass
				10	3.85	4.034	0.0023	-2.5 to 2.5	Pass
				30	3.85	9.212	0.0053	-2.5 to 2.5	Pass
				40	3.85	19.255	0.0111	-2.5 to 2.5	Pass
				50	3.85	29.969	0.0173	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	5.794	0.0033	-2.5 to 2.5	Pass
					3.85	-10.457	-0.0060	-2.5 to 2.5	Pass
					4.43	-22.473	-0.0128	-2.5 to 2.5	Pass
				-30	3.85	-35.520	-0.0202	-2.5 to 2.5	Pass
				-20	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-14.534	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-24.147	-0.0138	-2.5 to 2.5	Pass
				10	3.85	-28.238	-0.0161	-2.5 to 2.5	Pass
				30	3.85	-33.817	-0.0193	-2.5 to 2.5	Pass
				40	3.85	-38.996	-0.0222	-2.5 to 2.5	Pass
				50	3.85	8.268	0.0047	-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	-19.112	-0.0112	-2.5 to 2.5	Pass
					3.85	-32.787	-0.0192	-2.5 to 2.5	Pass
					4.43	-3.104	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-16.880	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-37.851	-0.0221	-2.5 to 2.5	Pass
				-10	3.85	-9.642	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-16.437	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-32.444	-0.0190	-2.5 to 2.5	Pass
				30	3.85	-44.532	-0.0260	-2.5 to 2.5	Pass
				40	3.85	-18.940	-0.0111	-2.5 to 2.5	Pass
				50	3.85	10.228	0.0060	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-2.203	-0.0013	-2.5 to 2.5	Pass
					3.85	-14.806	-0.0085	-2.5 to 2.5	Pass
					4.43	-17.138	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-16.866	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-17.180	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-10.729	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				10	3.85	11.530	0.0067	-2.5 to 2.5	Pass
				30	3.85	14.377	0.0083	-2.5 to 2.5	Pass
				40	3.85	19.670	0.0114	-2.5 to 2.5	Pass
				50	3.85	24.505	0.0141	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	4.463	0.0025	-2.5 to 2.5	Pass

					3.85	14.648	0.0084	-2.5 to 2.5	Pass
					4.43	22.359	0.0128	-2.5 to 2.5	Pass
				-30	3.85	30.742	0.0175	-2.5 to 2.5	Pass
				-20	3.85	30.398	0.0173	-2.5 to 2.5	Pass
				-10	3.85	38.853	0.0222	-2.5 to 2.5	Pass
				0	3.85	9.985	0.0057	-2.5 to 2.5	Pass
				10	3.85	11.315	0.0065	-2.5 to 2.5	Pass
				30	3.85	17.853	0.0102	-2.5 to 2.5	Pass
				40	3.85	15.464	0.0088	-2.5 to 2.5	Pass
				50	3.85	13.204	0.0075	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-12.631	-0.0074	-2.5 to 2.5	Pass
					3.85	-27.566	-0.0161	-2.5 to 2.5	Pass
					4.43	-13.833	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-27.909	-0.0163	-2.5 to 2.5	Pass
				-20	3.85	-3.920	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-17.509	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-36.964	-0.0216	-2.5 to 2.5	Pass
				10	3.85	-8.655	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-18.396	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-29.554	-0.0173	-2.5 to 2.5	Pass
				50	3.85	-32.644	-0.0191	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	30.842	0.0178	-2.5 to 2.5	Pass
					3.85	38.023	0.0219	-2.5 to 2.5	Pass
					4.43	43.116	0.0249	-2.5 to 2.5	Pass
				-30	3.85	-10.700	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-7.010	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-6.123	-0.0035	-2.5 to 2.5	Pass
				10	3.85	4.892	0.0028	-2.5 to 2.5	Pass
				30	3.85	16.465	0.0095	-2.5 to 2.5	Pass
				40	3.85	26.236	0.0151	-2.5 to 2.5	Pass
				50	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	13.247	0.0076	-2.5 to 2.5	Pass
					3.85	23.975	0.0137	-2.5 to 2.5	Pass
					4.43	28.238	0.0161	-2.5 to 2.5	Pass
				-30	3.85	29.368	0.0167	-2.5 to 2.5	Pass
				-20	3.85	34.490	0.0197	-2.5 to 2.5	Pass
				-10	3.85	41.928	0.0239	-2.5 to 2.5	Pass
				0	3.85	47.264	0.0270	-2.5 to 2.5	Pass
				10	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				30	3.85	5.651	0.0032	-2.5 to 2.5	Pass
				40	3.85	11.215	0.0064	-2.5 to 2.5	Pass
				50	3.85	7.982	0.0046	-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	-9.441	-0.0055	-2.5 to 2.5	Pass
					3.85	-18.325	-0.0107	-2.5 to 2.5	Pass
					4.43	-16.294	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-10.371	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-15.993	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-21.157	-0.0124	-2.5 to 2.5	Pass
				0	3.85	-33.317	-0.0195	-2.5 to 2.5	Pass
				10	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-20.714	-0.0121	-2.5 to 2.5	Pass

				40	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-21.701	-0.0127	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-1.001	-0.0006	-2.5 to 2.5	Pass
					3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
					4.43	0.987	0.0006	-2.5 to 2.5	Pass
				-30	3.85	8.125	0.0047	-2.5 to 2.5	Pass
				-20	3.85	10.214	0.0059	-2.5 to 2.5	Pass
				-10	3.85	16.222	0.0094	-2.5 to 2.5	Pass
				0	3.85	22.001	0.0127	-2.5 to 2.5	Pass
				10	3.85	30.212	0.0174	-2.5 to 2.5	Pass
				30	3.85	30.227	0.0174	-2.5 to 2.5	Pass
				40	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				50	3.85	5.064	0.0029	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-1.416	-0.0008	-2.5 to 2.5	Pass
					3.85	14.949	0.0085	-2.5 to 2.5	Pass
					4.43	27.995	0.0160	-2.5 to 2.5	Pass
				-30	3.85	38.967	0.0222	-2.5 to 2.5	Pass
				-20	3.85	18.597	0.0106	-2.5 to 2.5	Pass
				-10	3.85	23.632	0.0135	-2.5 to 2.5	Pass
				0	3.85	28.682	0.0164	-2.5 to 2.5	Pass
				10	3.85	30.155	0.0172	-2.5 to 2.5	Pass
				30	3.85	32.759	0.0187	-2.5 to 2.5	Pass
				40	3.85	36.621	0.0209	-2.5 to 2.5	Pass
				50	3.85	40.970	0.0234	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-0.615	-0.0004	-2.5 to 2.5	Pass
					3.85	-24.233	-0.0142	-2.5 to 2.5	Pass
					4.43	-5.450	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-33.889	-0.0198	-2.5 to 2.5	Pass
				-20	3.85	-24.948	-0.0146	-2.5 to 2.5	Pass
				-10	3.85	-32.387	-0.0189	-2.5 to 2.5	Pass
				0	3.85	-37.580	-0.0219	-2.5 to 2.5	Pass
				10	3.85	-13.089	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-21.973	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-31.385	-0.0183	-2.5 to 2.5	Pass
				50	3.85	-41.628	-0.0243	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	5.565	0.0032	-2.5 to 2.5	Pass
					3.85	12.503	0.0072	-2.5 to 2.5	Pass
					4.43	23.518	0.0136	-2.5 to 2.5	Pass
				-30	3.85	34.633	0.0200	-2.5 to 2.5	Pass
				-20	3.85	40.727	0.0235	-2.5 to 2.5	Pass
				-10	3.85	45.619	0.0263	-2.5 to 2.5	Pass
				0	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				10	3.85	8.926	0.0052	-2.5 to 2.5	Pass
				30	3.85	22.545	0.0130	-2.5 to 2.5	Pass
				40	3.85	22.502	0.0130	-2.5 to 2.5	Pass
				50	3.85	25.463	0.0147	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	41.957	0.0239	-2.5 to 2.5	Pass
					3.85	40.197	0.0229	-2.5 to 2.5	Pass
					4.43	42.887	0.0245	-2.5 to 2.5	Pass
				-30	3.85	14.191	0.0081	-2.5 to 2.5	Pass
				-20	3.85	19.255	0.0110	-2.5 to 2.5	Pass
				-10	3.85	26.679	0.0152	-2.5 to 2.5	Pass
				0	3.85	36.263	0.0207	-2.5 to 2.5	Pass
				10	3.85	42.443	0.0242	-2.5 to 2.5	Pass
				30	3.85	49.582	0.0283	-2.5 to 2.5	Pass
				40	3.85	5.937	0.0034	-2.5 to 2.5	Pass
				50	3.85	10.428	0.0060	-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	-7.825	-0.0046	-2.5 to 2.5	Pass
					3.85	-18.682	-0.0109	-2.5 to 2.5	Pass
					4.43	-22.988	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	-25.177	-0.0147	-2.5 to 2.5	Pass
				-20	3.85	-30.870	-0.0180	-2.5 to 2.5	Pass
				-10	3.85	-26.908	-0.0157	-2.5 to 2.5	Pass
				0	3.85	-18.597	-0.0108	-2.5 to 2.5	Pass
				10	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-25.578	-0.0149	-2.5 to 2.5	Pass
				40	3.85	-15.864	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-38.095	-0.0222	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	0.558	0.0003	-2.5 to 2.5	Pass
					3.85	9.198	0.0053	-2.5 to 2.5	Pass
					4.43	8.326	0.0048	-2.5 to 2.5	Pass
				-30	3.85	10.514	0.0061	-2.5 to 2.5	Pass
				-20	3.85	20.514	0.0118	-2.5 to 2.5	Pass
				-10	3.85	31.915	0.0184	-2.5 to 2.5	Pass
				0	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				40	3.85	8.340	0.0048	-2.5 to 2.5	Pass
				50	3.85	17.753	0.0102	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-15.693	-0.0090	-2.5 to 2.5	Pass
					3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
					4.43	2.146	0.0012	-2.5 to 2.5	Pass
				-30	3.85	8.998	0.0051	-2.5 to 2.5	Pass
				-20	3.85	17.595	0.0101	-2.5 to 2.5	Pass
				-10	3.85	31.972	0.0183	-2.5 to 2.5	Pass
				0	3.85	37.236	0.0213	-2.5 to 2.5	Pass
				10	3.85	6.351	0.0036	-2.5 to 2.5	Pass
				30	3.85	9.027	0.0052	-2.5 to 2.5	Pass
				40	3.85	16.894	0.0097	-2.5 to 2.5	Pass
				50	3.85	18.783	0.0107	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-2.046	-0.0012	-2.5 to 2.5	Pass
					3.85	-14.291	-0.0083	-2.5 to 2.5	Pass
					4.43	-17.924	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-9.384	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-18.468	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-29.597	-0.0173	-2.5 to 2.5	Pass
				0	3.85	-34.947	-0.0204	-2.5 to 2.5	Pass
				10	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-5.264	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-7.095	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-14.963	-0.0087	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	23.732	0.0137	-2.5 to 2.5	Pass
					3.85	37.980	0.0219	-2.5 to 2.5	Pass
					4.43	40.970	0.0236	-2.5 to 2.5	Pass
				-30	3.85	42.429	0.0245	-2.5 to 2.5	Pass
				-20	3.85	15.106	0.0087	-2.5 to 2.5	Pass
				-10	3.85	27.680	0.0160	-2.5 to 2.5	Pass
				0	3.85	37.179	0.0215	-2.5 to 2.5	Pass
				10	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				30	3.85	9.327	0.0054	-2.5 to 2.5	Pass
				40	3.85	22.817	0.0132	-2.5 to 2.5	Pass
				50	3.85	24.748	0.0143	-2.5 to 2.5	Pass

	1750	50	0	20	3.27	26.150	0.0149	-2.5 to 2.5	Pass
					3.85	34.847	0.0199	-2.5 to 2.5	Pass
					4.43	38.095	0.0218	-2.5 to 2.5	Pass
				-30	3.85	39.783	0.0227	-2.5 to 2.5	Pass
				-20	3.85	41.771	0.0239	-2.5 to 2.5	Pass
				-10	3.85	11.387	0.0065	-2.5 to 2.5	Pass
				0	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				10	3.85	8.068	0.0046	-2.5 to 2.5	Pass
				30	3.85	15.922	0.0091	-2.5 to 2.5	Pass
				40	3.85	21.915	0.0125	-2.5 to 2.5	Pass
				50	3.85	30.527	0.0174	-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	-17.023	-0.0099	-2.5 to 2.5	Pass
					3.85	-38.095	-0.0222	-2.5 to 2.5	Pass
					4.43	6.666	0.0039	-2.5 to 2.5	Pass
				-30	3.85	11.358	0.0066	-2.5 to 2.5	Pass
				-20	3.85	9.270	0.0054	-2.5 to 2.5	Pass
				-10	3.85	-8.426	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-25.921	-0.0151	-2.5 to 2.5	Pass
				10	3.85	-14.606	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-30.155	-0.0176	-2.5 to 2.5	Pass
				40	3.85	-12.617	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-11.845	-0.0069	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-1.531	-0.0009	-2.5 to 2.5	Pass
					3.85	3.662	0.0021	-2.5 to 2.5	Pass
					4.43	3.304	0.0019	-2.5 to 2.5	Pass
				-30	3.85	8.240	0.0048	-2.5 to 2.5	Pass
				-20	3.85	17.610	0.0102	-2.5 to 2.5	Pass
				-10	3.85	27.437	0.0158	-2.5 to 2.5	Pass
				0	3.85	4.821	0.0028	-2.5 to 2.5	Pass
				10	3.85	3.948	0.0023	-2.5 to 2.5	Pass
				30	3.85	12.703	0.0073	-2.5 to 2.5	Pass
				40	3.85	17.838	0.0103	-2.5 to 2.5	Pass
				50	3.85	23.575	0.0136	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-15.364	-0.0088	-2.5 to 2.5	Pass
					3.85	0.229	0.0001	-2.5 to 2.5	Pass
					4.43	16.322	0.0093	-2.5 to 2.5	Pass
				-30	3.85	31.199	0.0179	-2.5 to 2.5	Pass
				-20	3.85	9.413	0.0054	-2.5 to 2.5	Pass
				-10	3.85	22.345	0.0128	-2.5 to 2.5	Pass
				0	3.85	28.439	0.0163	-2.5 to 2.5	Pass
				10	3.85	33.073	0.0189	-2.5 to 2.5	Pass
				30	3.85	-11.630	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-12.860	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-9.527	-0.0055	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-26.622	-0.0155	-2.5 to 2.5	Pass
					3.85	-7.739	-0.0045	-2.5 to 2.5	Pass
					4.43	-34.704	-0.0202	-2.5 to 2.5	Pass
				-30	3.85	-8.626	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-14.277	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-26.822	-0.0156	-2.5 to 2.5	Pass
				0	3.85	4.492	0.0026	-2.5 to 2.5	Pass
				10	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass

				30	3.85	-8.755	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-18.010	-0.0105	-2.5 to 2.5	Pass
				50	3.85	-17.495	-0.0102	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	32.744	0.0189	-2.5 to 2.5	Pass
					3.85	36.650	0.0212	-2.5 to 2.5	Pass
					4.43	1.488	0.0009	-2.5 to 2.5	Pass
				-30	3.85	9.298	0.0054	-2.5 to 2.5	Pass
				-20	3.85	18.940	0.0109	-2.5 to 2.5	Pass
				-10	3.85	23.675	0.0137	-2.5 to 2.5	Pass
				0	3.85	25.721	0.0148	-2.5 to 2.5	Pass
				10	3.85	32.659	0.0189	-2.5 to 2.5	Pass
				30	3.85	35.591	0.0205	-2.5 to 2.5	Pass
				40	3.85	-12.832	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-2.518	-0.0015	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-4.292	-0.0025	-2.5 to 2.5	Pass
					3.85	2.389	0.0014	-2.5 to 2.5	Pass
					4.43	-1.831	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	2.518	0.0014	-2.5 to 2.5	Pass
				-20	3.85	4.907	0.0028	-2.5 to 2.5	Pass
				-10	3.85	14.706	0.0084	-2.5 to 2.5	Pass
				0	3.85	17.495	0.0100	-2.5 to 2.5	Pass
				10	3.85	24.304	0.0139	-2.5 to 2.5	Pass
				30	3.85	38.738	0.0222	-2.5 to 2.5	Pass
				40	3.85	42.944	0.0246	-2.5 to 2.5	Pass
				50	3.85	27.537	0.0158	-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	-5.922	-0.0034	-2.5 to 2.5	Pass
					3.85	-14.319	-0.0083	-2.5 to 2.5	Pass
					4.43	-7.424	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-10.915	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-26.708	-0.0155	-2.5 to 2.5	Pass
				-10	3.85	-8.483	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-37.165	-0.0216	-2.5 to 2.5	Pass
				10	3.85	-17.567	-0.0102	-2.5 to 2.5	Pass
				30	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				40	3.85	-24.462	-0.0142	-2.5 to 2.5	Pass
				50	3.85	-32.473	-0.0189	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-3.004	-0.0017	-2.5 to 2.5	Pass
					3.85	10.672	0.0062	-2.5 to 2.5	Pass
					4.43	23.274	0.0134	-2.5 to 2.5	Pass
				-30	3.85	37.379	0.0216	-2.5 to 2.5	Pass
				-20	3.85	9.384	0.0054	-2.5 to 2.5	Pass
				-10	3.85	18.826	0.0109	-2.5 to 2.5	Pass
				0	3.85	20.185	0.0117	-2.5 to 2.5	Pass
				10	3.85	23.003	0.0133	-2.5 to 2.5	Pass
				30	3.85	28.925	0.0167	-2.5 to 2.5	Pass
				40	3.85	32.673	0.0189	-2.5 to 2.5	Pass
				50	3.85	32.301	0.0186	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-17.495	-0.0100	-2.5 to 2.5	Pass
					3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
					4.43	13.990	0.0080	-2.5 to 2.5	Pass
				-30	3.85	22.674	0.0130	-2.5 to 2.5	Pass
				-20	3.85	30.255	0.0173	-2.5 to 2.5	Pass

				-10	3.85	35.162	0.0202	-2.5 to 2.5	Pass
				0	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				10	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				30	3.85	6.623	0.0038	-2.5 to 2.5	Pass
				40	3.85	6.051	0.0035	-2.5 to 2.5	Pass
				50	3.85	8.726	0.0050	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-14.362	-0.0084	-2.5 to 2.5	Pass
					3.85	-31.786	-0.0185	-2.5 to 2.5	Pass
					4.43	-1.044	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-10.958	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-18.725	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-19.941	-0.0116	-2.5 to 2.5	Pass
				0	3.85	-23.232	-0.0135	-2.5 to 2.5	Pass
				10	3.85	-31.757	-0.0185	-2.5 to 2.5	Pass
				30	3.85	-29.540	-0.0172	-2.5 to 2.5	Pass
				40	3.85	-9.785	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-11.401	-0.0066	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	37.794	0.0218	-2.5 to 2.5	Pass
					3.85	7.281	0.0042	-2.5 to 2.5	Pass
					4.43	7.997	0.0046	-2.5 to 2.5	Pass
				-30	3.85	14.219	0.0082	-2.5 to 2.5	Pass
				-20	3.85	14.448	0.0083	-2.5 to 2.5	Pass
				-10	3.85	19.741	0.0114	-2.5 to 2.5	Pass
				0	3.85	21.715	0.0125	-2.5 to 2.5	Pass
				10	3.85	36.221	0.0209	-2.5 to 2.5	Pass
				30	3.85	5.679	0.0033	-2.5 to 2.5	Pass
				40	3.85	-14.648	-0.0085	-2.5 to 2.5	Pass
				50	3.85	-11.616	-0.0067	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	7.010	0.0040	-2.5 to 2.5	Pass
					3.85	15.135	0.0087	-2.5 to 2.5	Pass
					4.43	20.771	0.0119	-2.5 to 2.5	Pass
				-30	3.85	26.865	0.0154	-2.5 to 2.5	Pass
				-20	3.85	35.377	0.0203	-2.5 to 2.5	Pass
				-10	3.85	30.656	0.0176	-2.5 to 2.5	Pass
				0	3.85	29.511	0.0169	-2.5 to 2.5	Pass
				10	3.85	36.492	0.0209	-2.5 to 2.5	Pass
				30	3.85	7.124	0.0041	-2.5 to 2.5	Pass
				40	3.85	13.247	0.0076	-2.5 to 2.5	Pass
				50	3.85	21.658	0.0124	-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

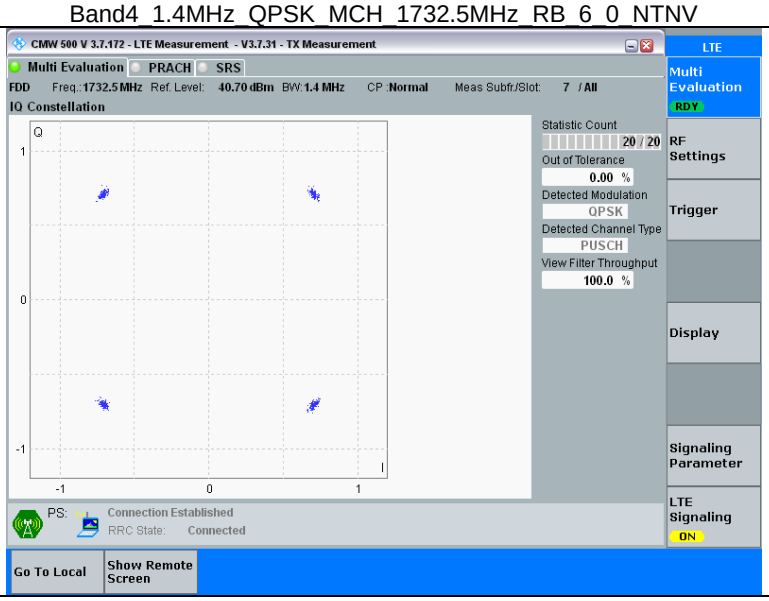
3.1.6 B4_20MHz

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

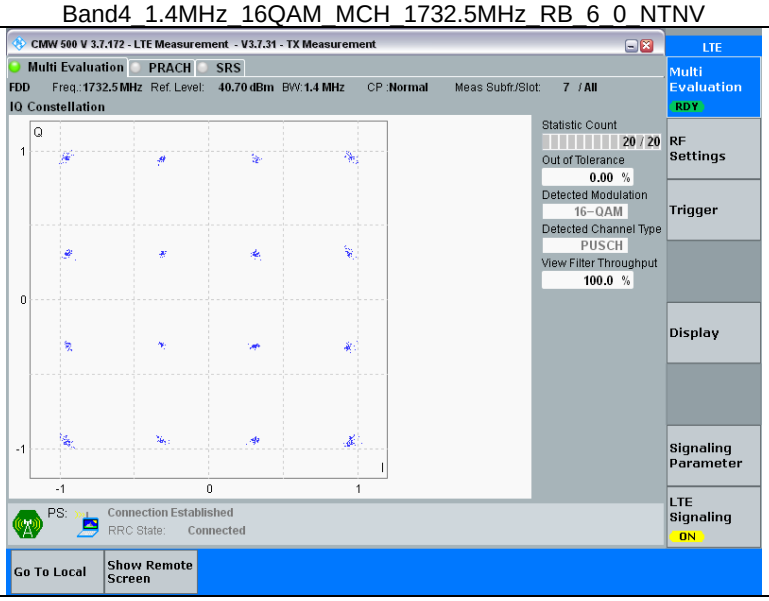
3.2 Test Graph

3.2.1 B4_1.4MHz

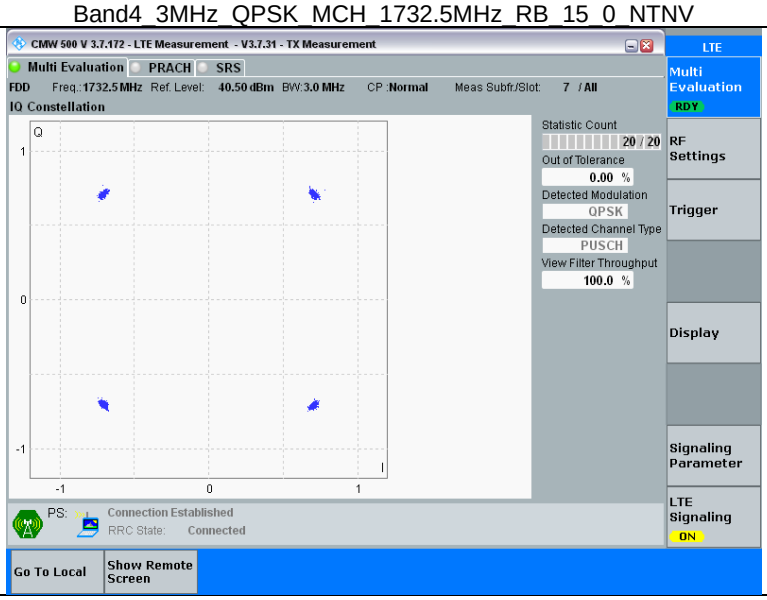
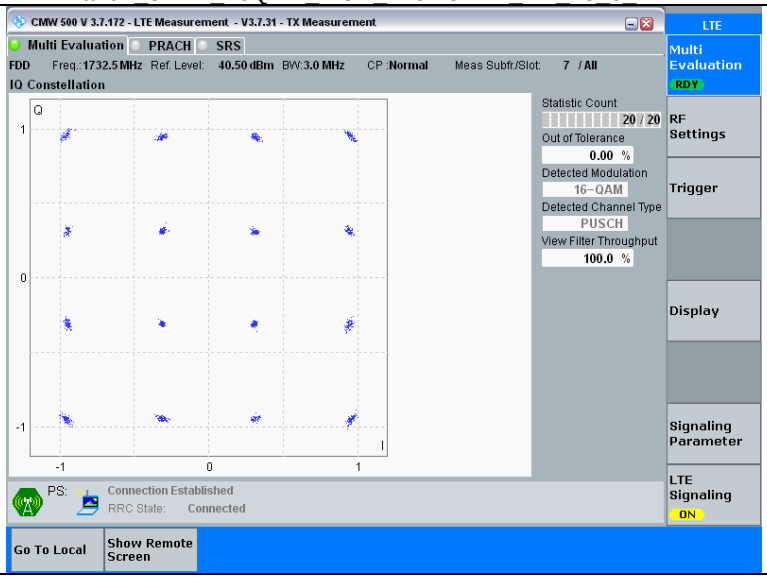
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

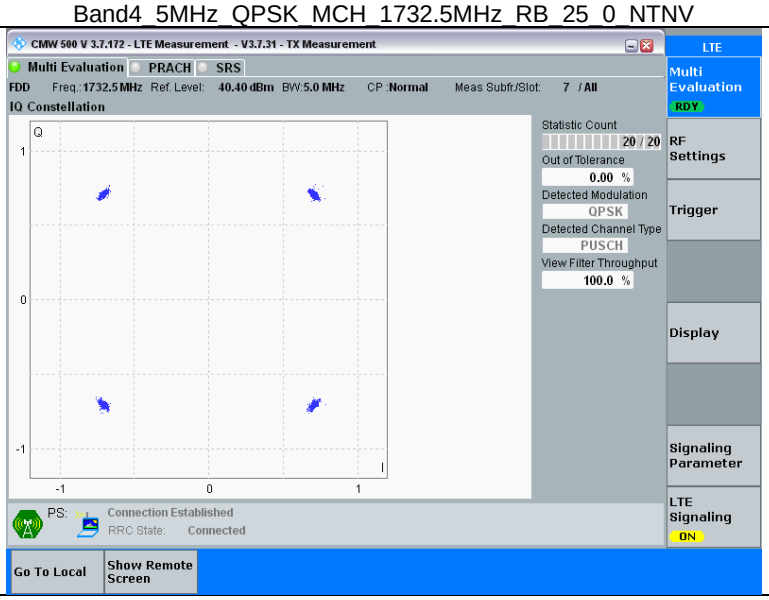


3.2.2 B4_3MHz

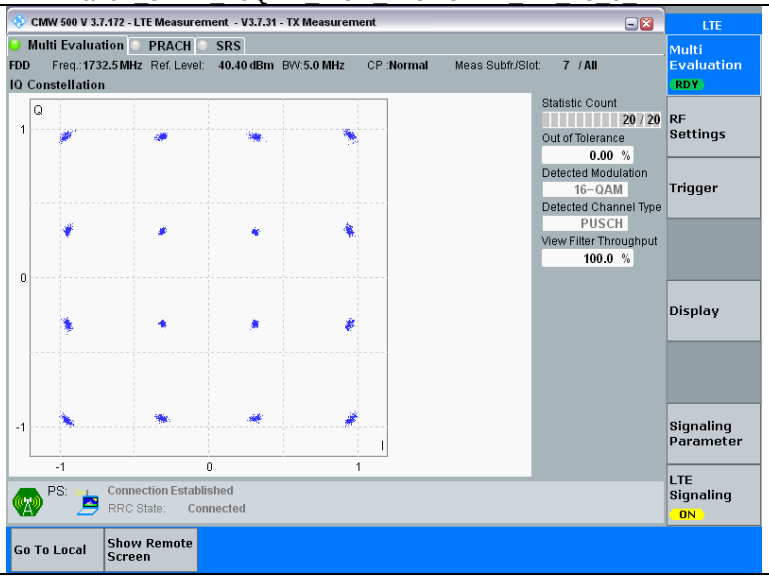
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


3.2.3 B4_5MHz

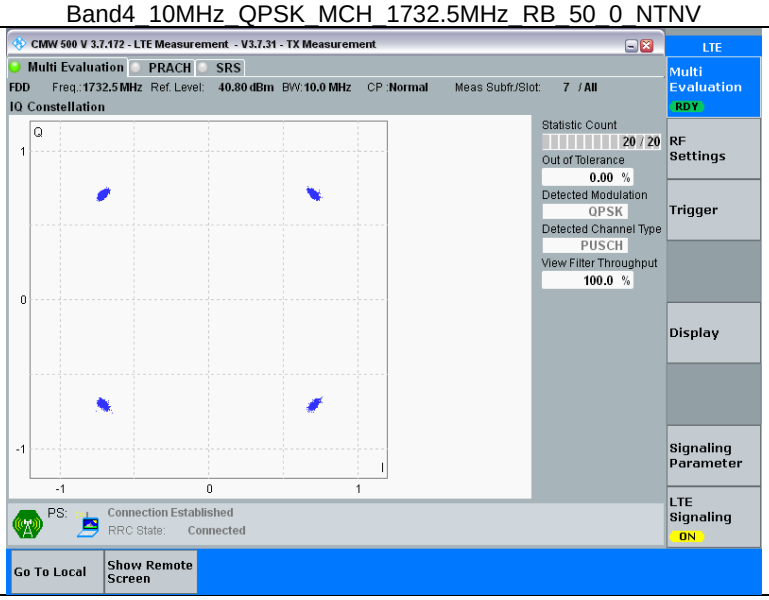
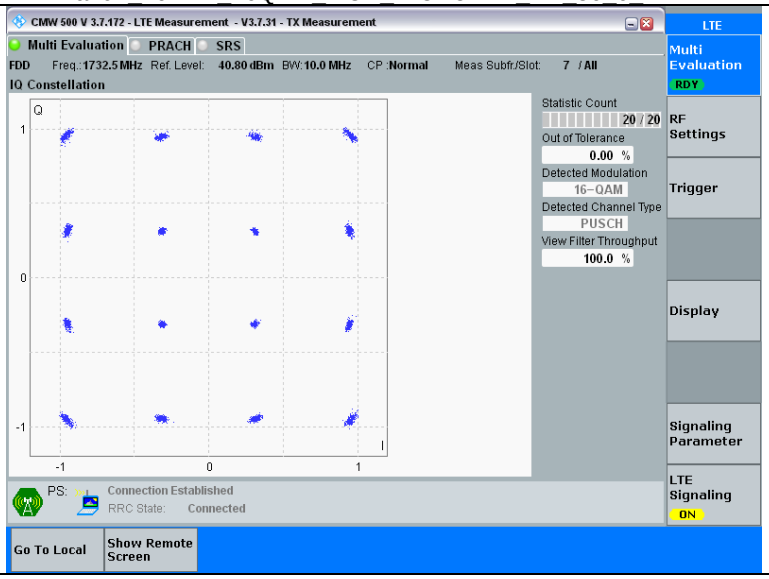
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



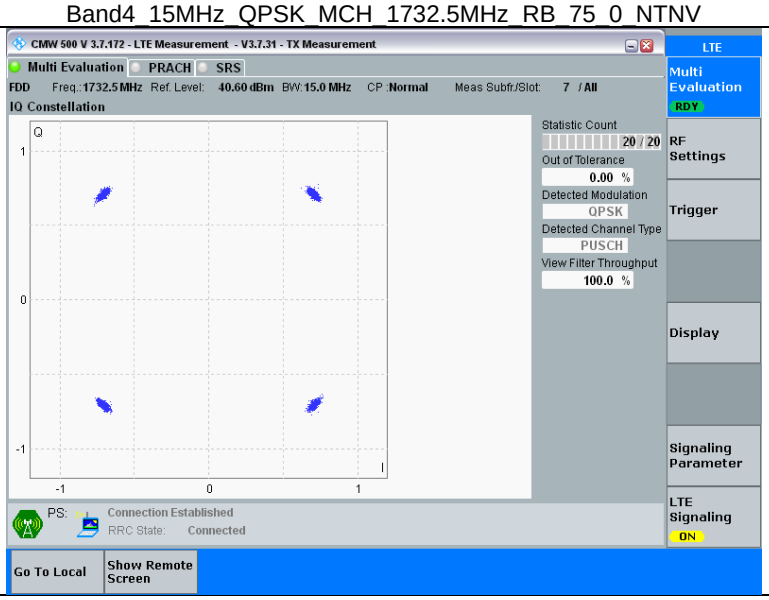
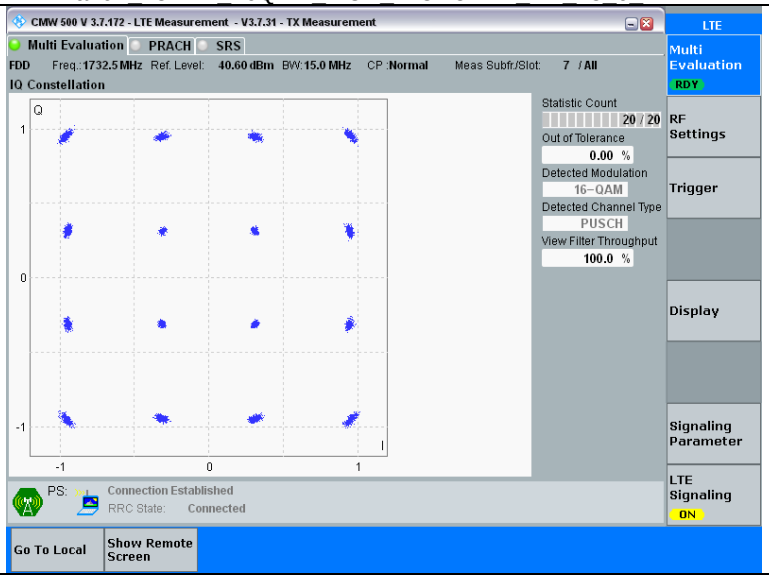
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



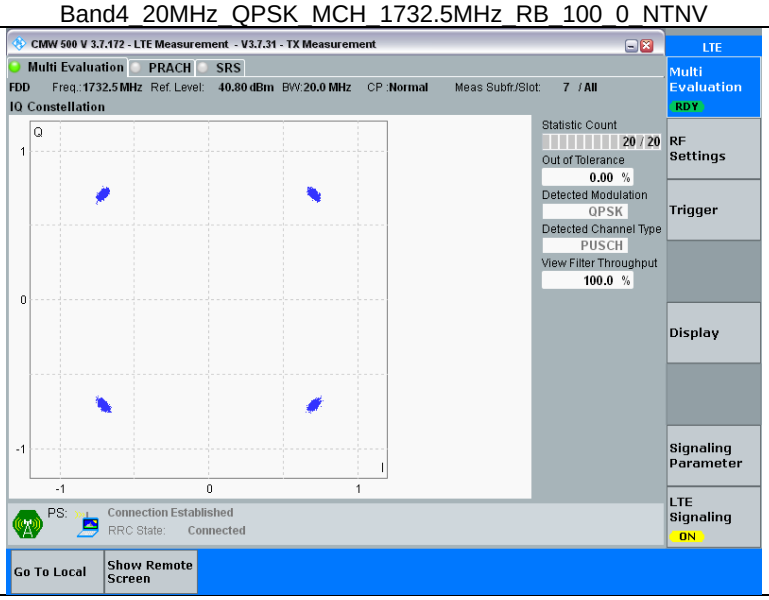
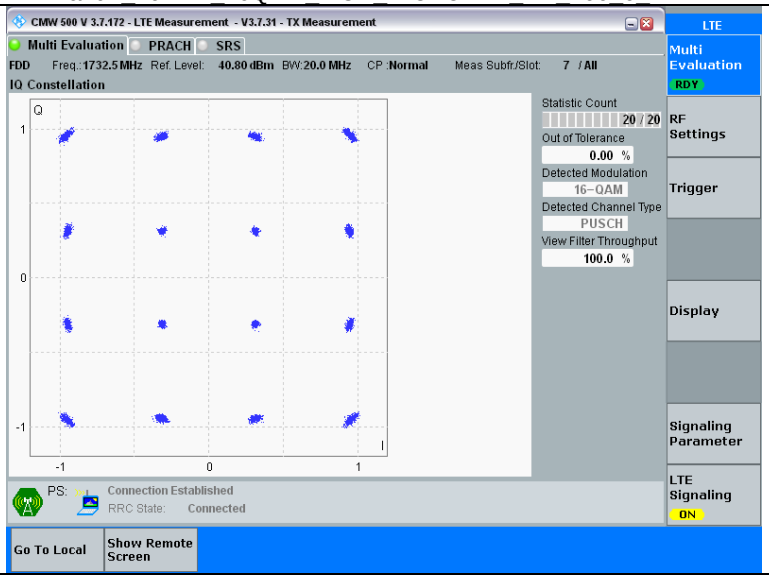
3.2.4 B4_10MHz

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	1.111	/	Pass
		1732.5	6	0	1.113	/	Pass
		1754.3	6	0	1.116	/	Pass
	16QAM	1710.7	6	0	1.109	/	Pass
		1732.5	6	0	1.120	/	Pass
		1754.3	6	0	1.116	/	Pass
3	QPSK	1711.5	15	0	2.761	/	Pass
		1732.5	15	0	2.758	/	Pass
		1753.5	15	0	2.750	/	Pass
	16QAM	1711.5	15	0	2.758	/	Pass
		1732.5	15	0	2.746	/	Pass
		1753.5	15	0	2.742	/	Pass
5	QPSK	1712.5	25	0	4.572	/	Pass
		1732.5	25	0	4.543	/	Pass
		1752.5	25	0	4.540	/	Pass
	16QAM	1712.5	25	0	4.565	/	Pass
		1732.5	25	0	4.571	/	Pass
		1752.5	25	0	4.576	/	Pass
10	QPSK	1715	50	0	9.058	/	Pass
		1732.5	50	0	9.012	/	Pass
		1750	50	0	9.055	/	Pass
	16QAM	1715	50	0	9.069	/	Pass
		1732.5	50	0	9.048	/	Pass
		1750	50	0	9.077	/	Pass
15	QPSK	1717.5	75	0	13.617	/	Pass
		1732.5	75	0	13.608	/	Pass
		1747.5	75	0	13.561	/	Pass
	16QAM	1717.5	75	0	13.634	/	Pass
		1732.5	75	0	13.642	/	Pass
		1747.5	75	0	13.586	/	Pass
20	QPSK	1720	100	0	18.146	/	Pass
		1732.5	100	0	18.127	/	Pass
		1745	100	0	18.117	/	Pass
	16QAM	1720	100	0	18.104	/	Pass
		1732.5	100	0	18.097	/	Pass
		1745	100	0	18.109	/	Pass

4.1.2 Band4_XDB

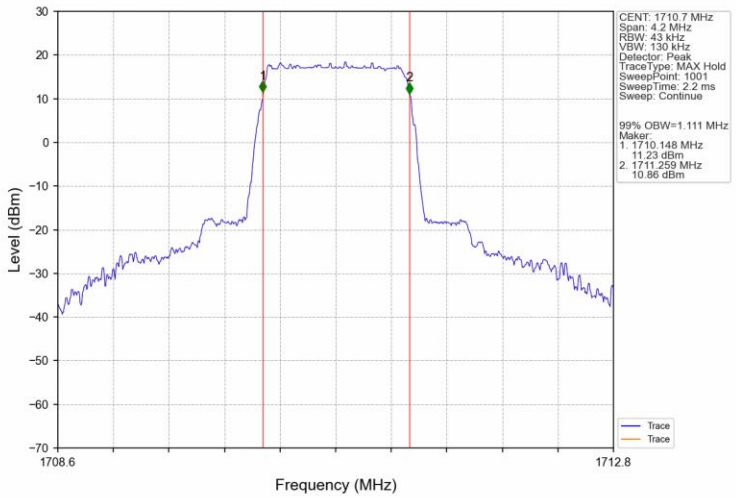
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.268	/	Pass
		1732.5	6	0	1.278	/	Pass
		1754.3	6	0	1.274	/	Pass

	16QAM	1710.7	6	0	1.268	/	Pass
		1732.5	6	0	1.271	/	Pass
		1754.3	6	0	1.270	/	Pass
3	QPSK	1711.5	15	0	3.089	/	Pass
		1732.5	15	0	3.102	/	Pass
		1753.5	15	0	3.122	/	Pass
	16QAM	1711.5	15	0	3.100	/	Pass
		1732.5	15	0	3.114	/	Pass
		1753.5	15	0	3.087	/	Pass
5	QPSK	1712.5	25	0	5.066	/	Pass
		1732.5	25	0	5.078	/	Pass
		1752.5	25	0	5.035	/	Pass
	16QAM	1712.5	25	0	5.058	/	Pass
		1732.5	25	0	5.077	/	Pass
		1752.5	25	0	5.051	/	Pass
10	QPSK	1715	50	0	10.061	/	Pass
		1732.5	50	0	9.723	/	Pass
		1750	50	0	10.037	/	Pass
	16QAM	1715	50	0	10.058	/	Pass
		1732.5	50	0	10.045	/	Pass
		1750	50	0	10.093	/	Pass
15	QPSK	1717.5	75	0	15.167	/	Pass
		1732.5	75	0	15.161	/	Pass
		1747.5	75	0	15.093	/	Pass
	16QAM	1717.5	75	0	15.094	/	Pass
		1732.5	75	0	15.073	/	Pass
		1747.5	75	0	15.156	/	Pass
20	QPSK	1720	100	0	19.993	/	Pass
		1732.5	100	0	20.084	/	Pass
		1745	100	0	19.972	/	Pass
	16QAM	1720	100	0	20.020	/	Pass
		1732.5	100	0	19.980	/	Pass
		1745	100	0	19.962	/	Pass

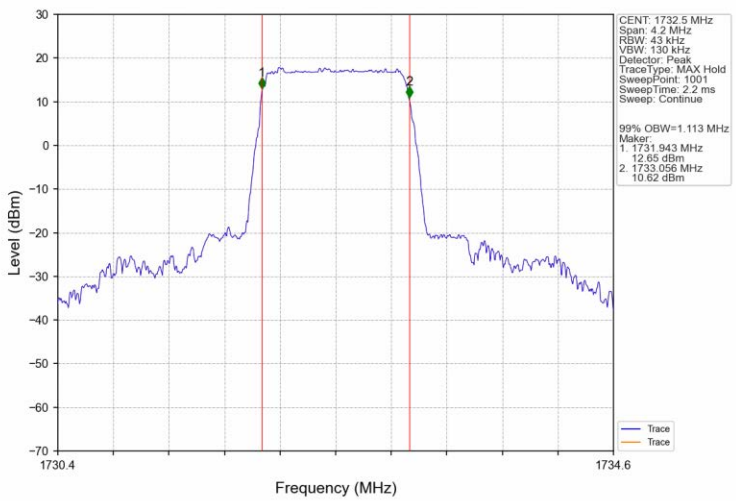
4.2 Test Graph

4.2.1 Band4_OBW

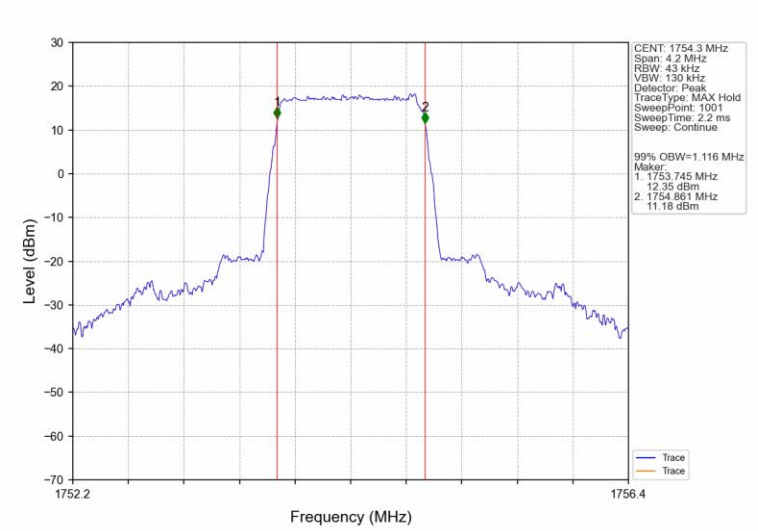
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



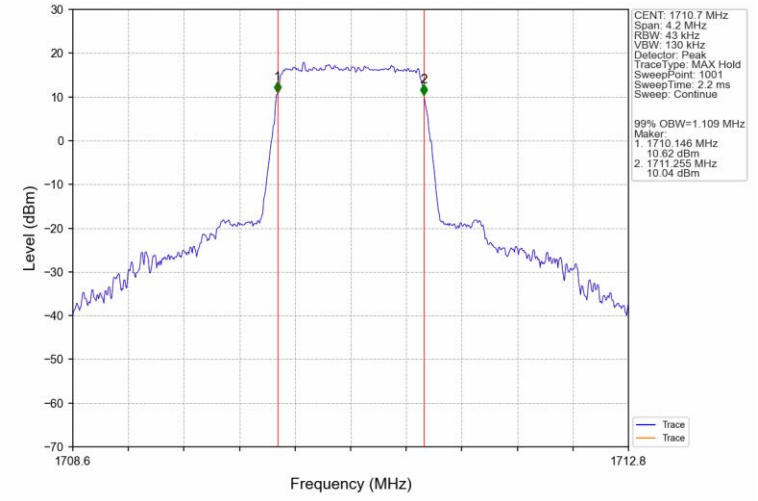
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



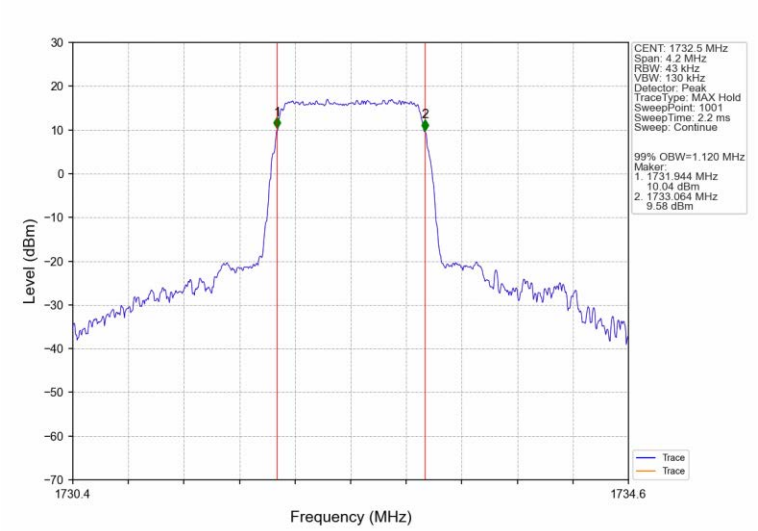
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



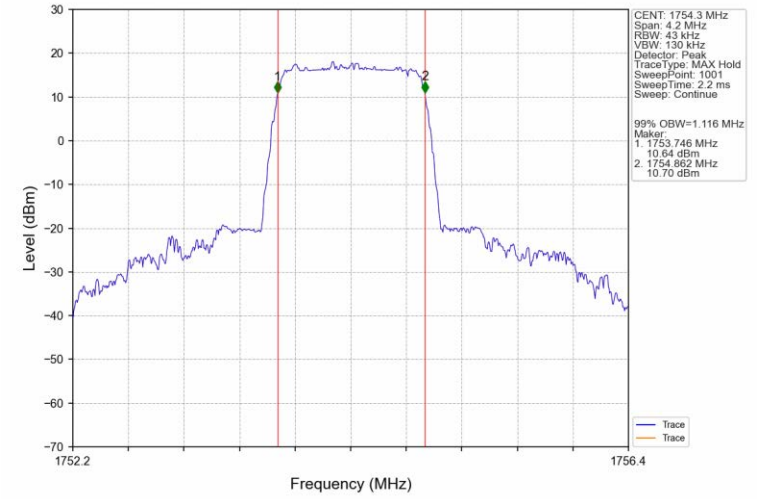
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



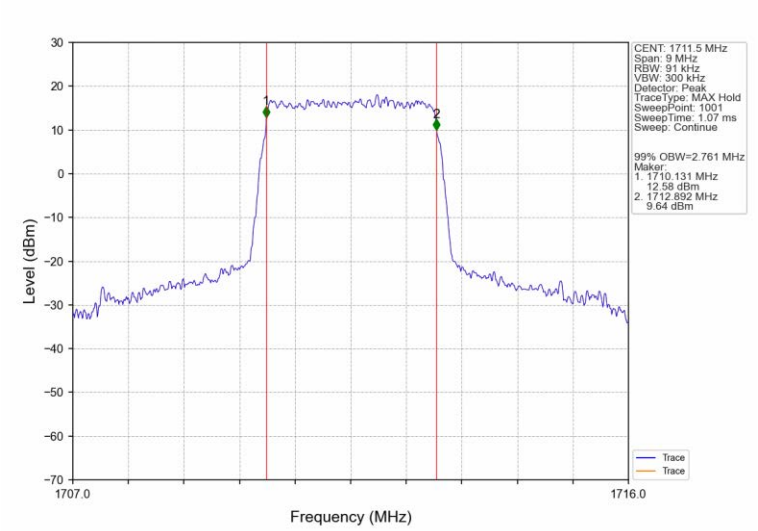
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



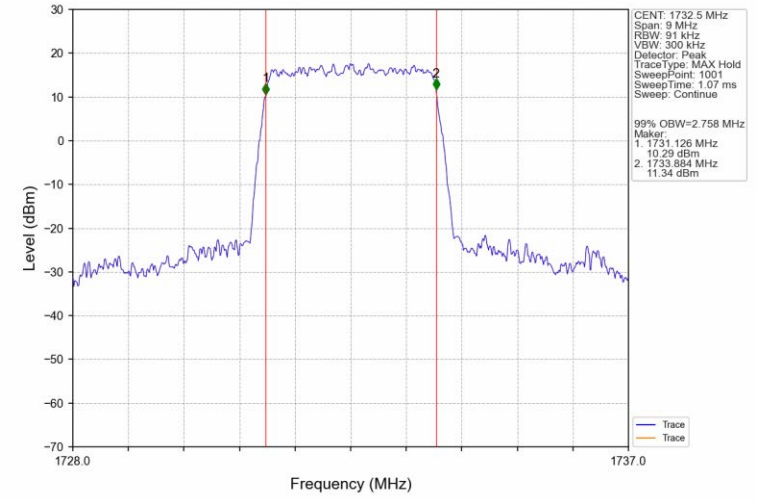
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



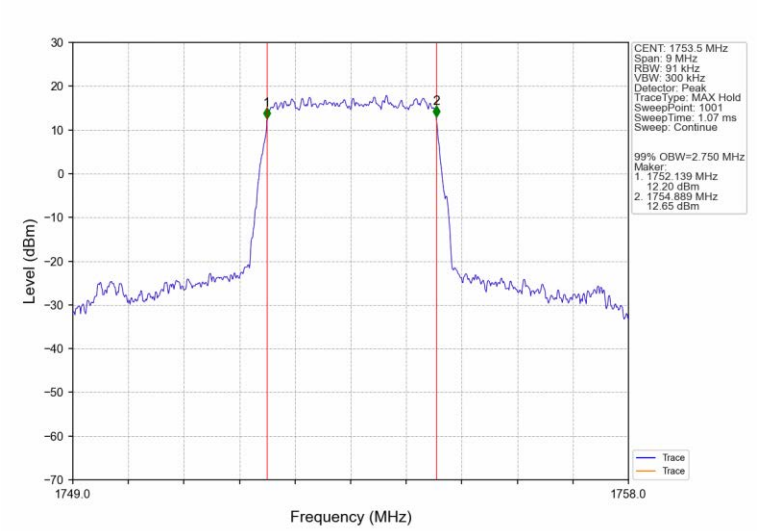
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



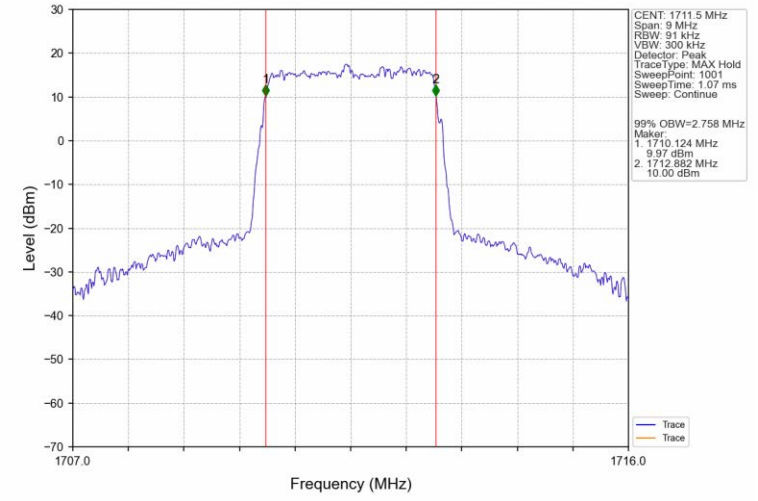
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



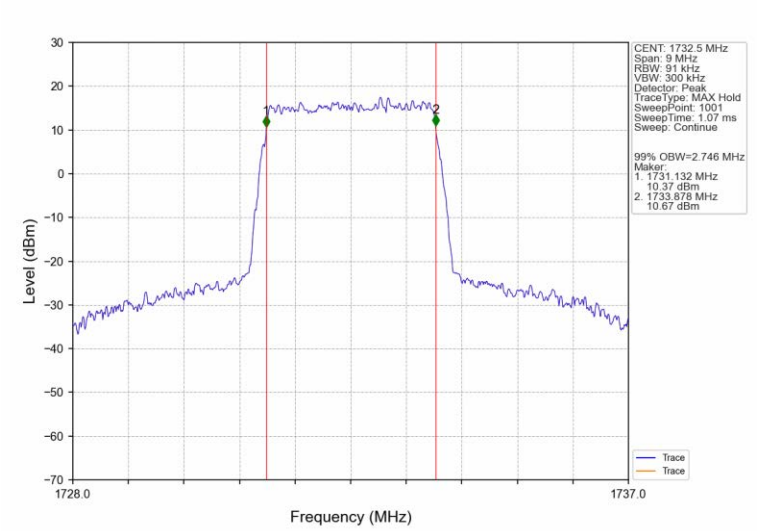
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



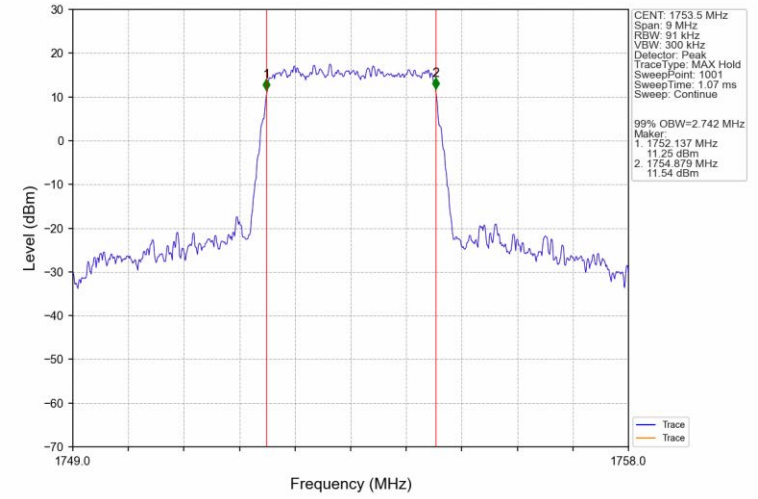
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



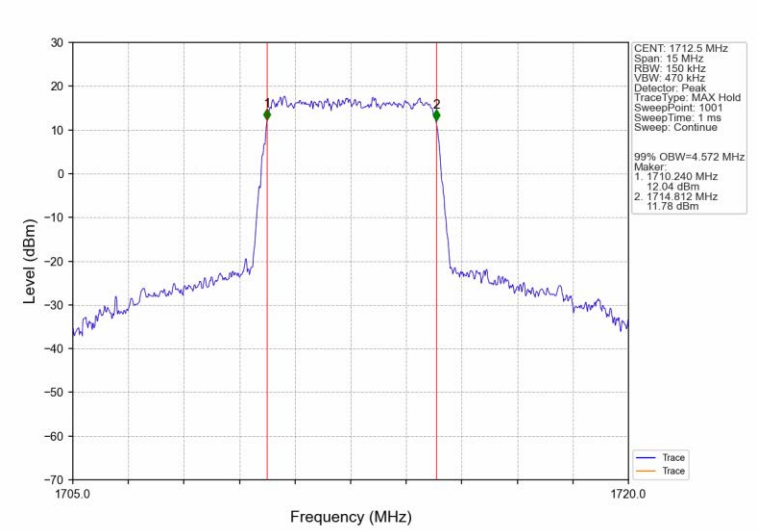
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



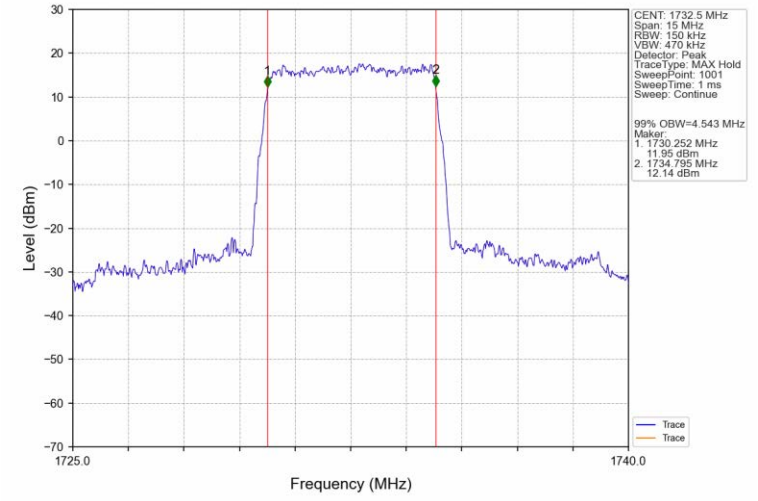
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



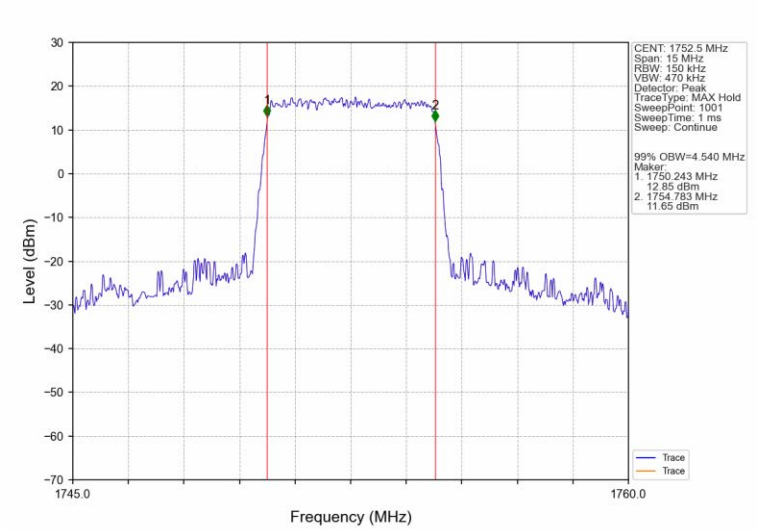
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



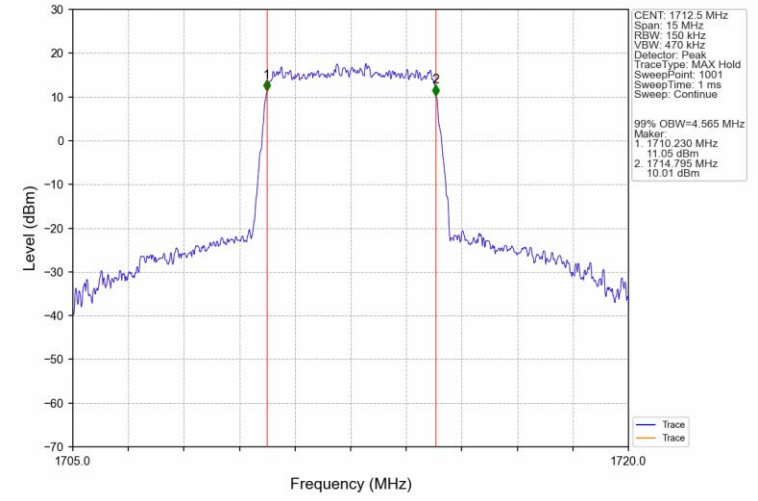
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



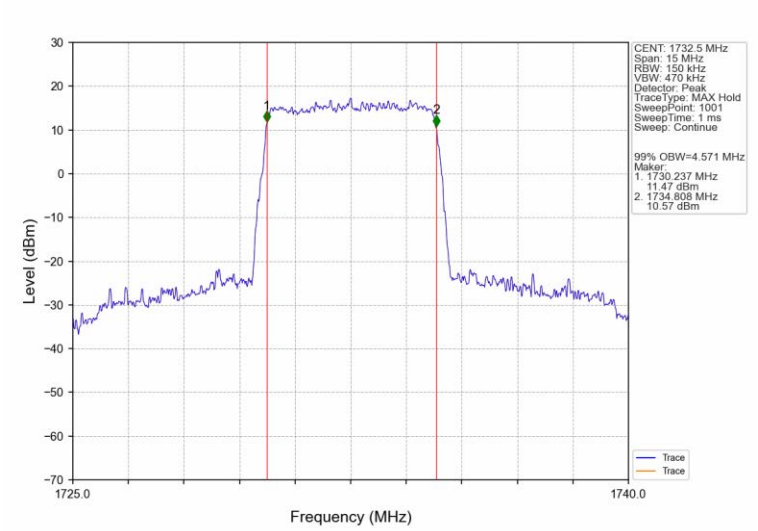
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



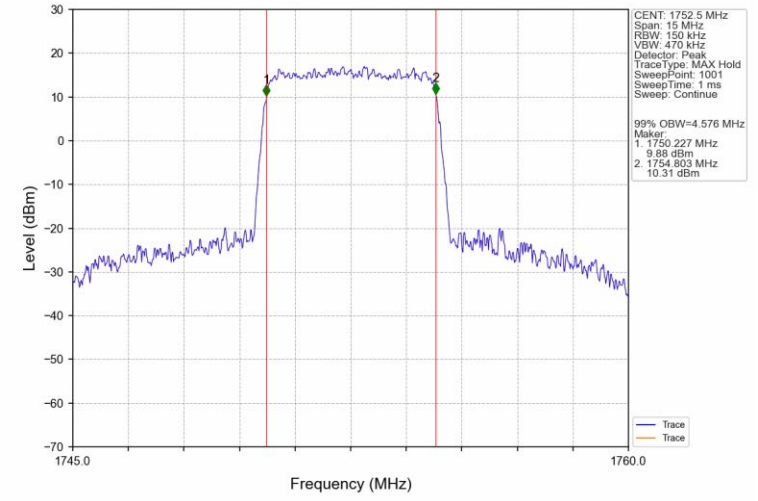
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



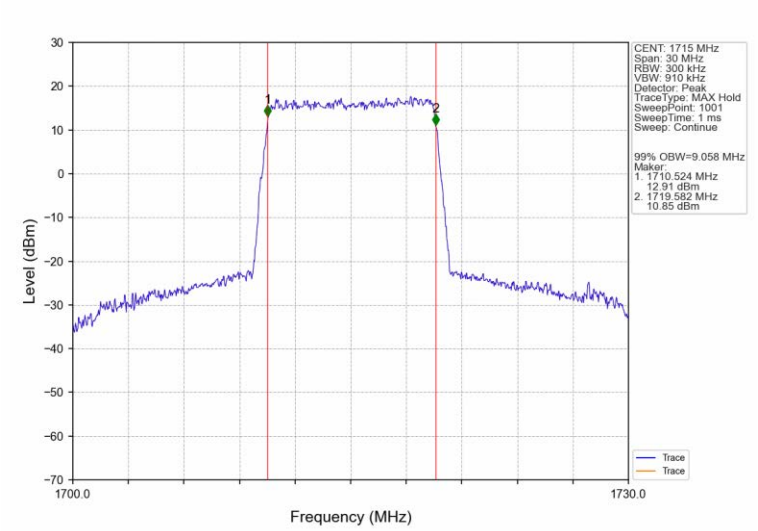
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



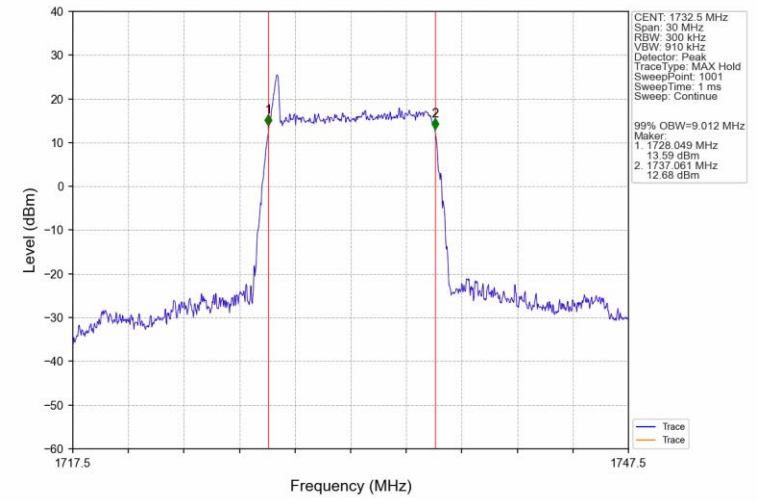
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



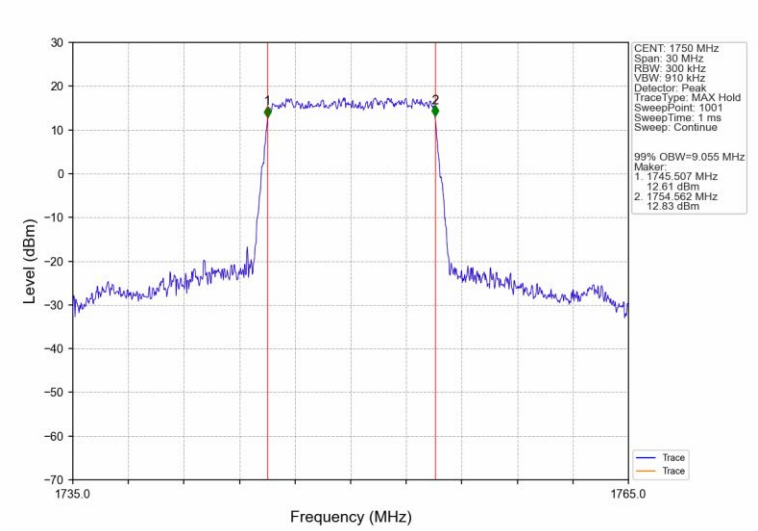
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



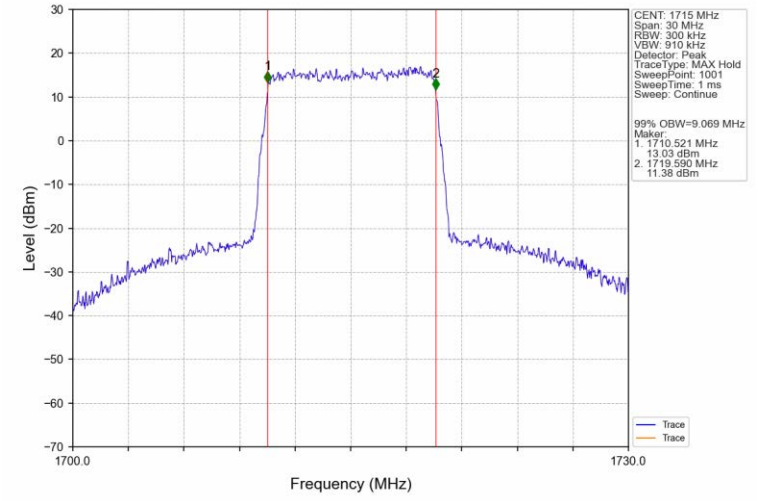
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



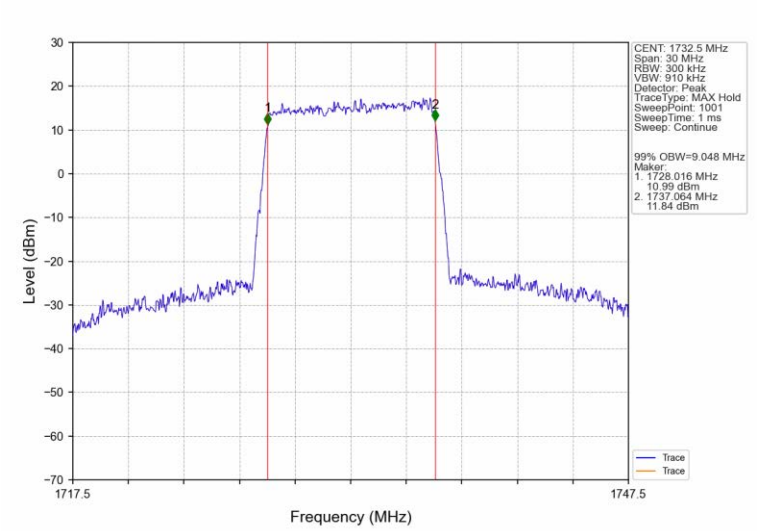
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



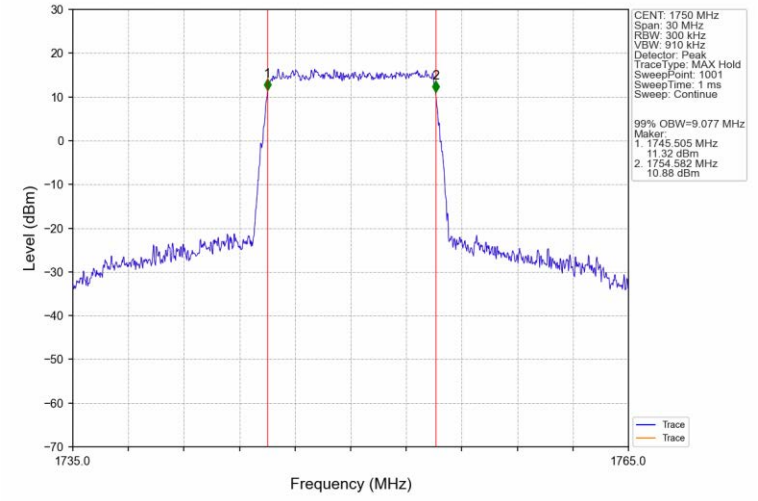
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



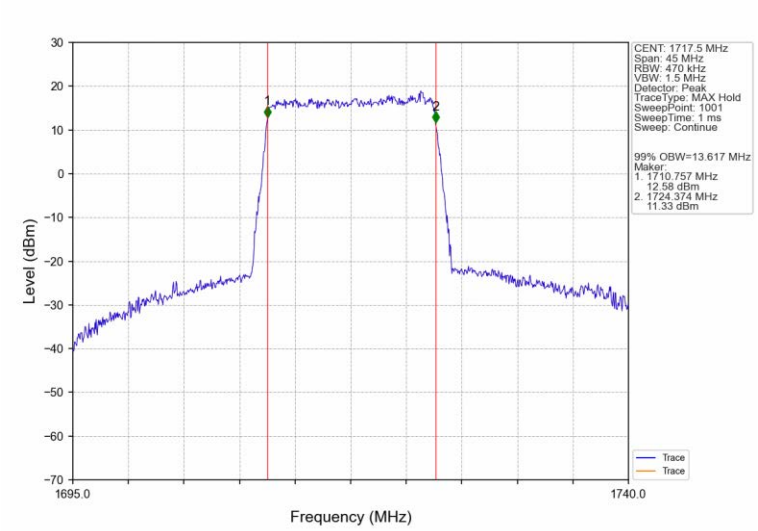
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



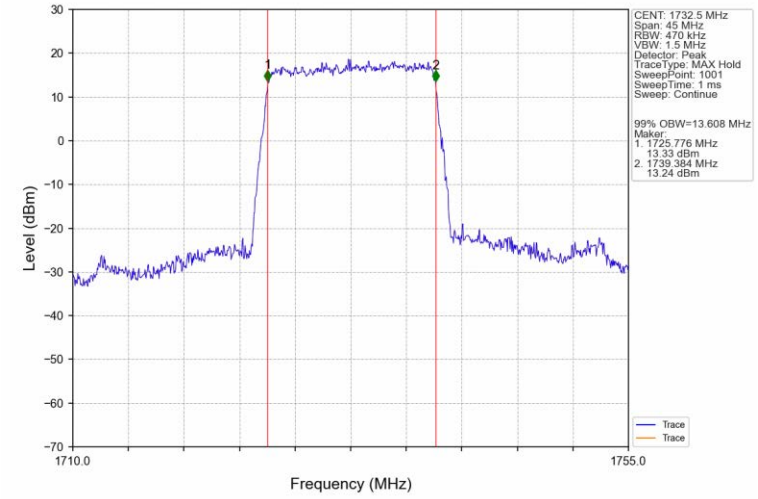
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



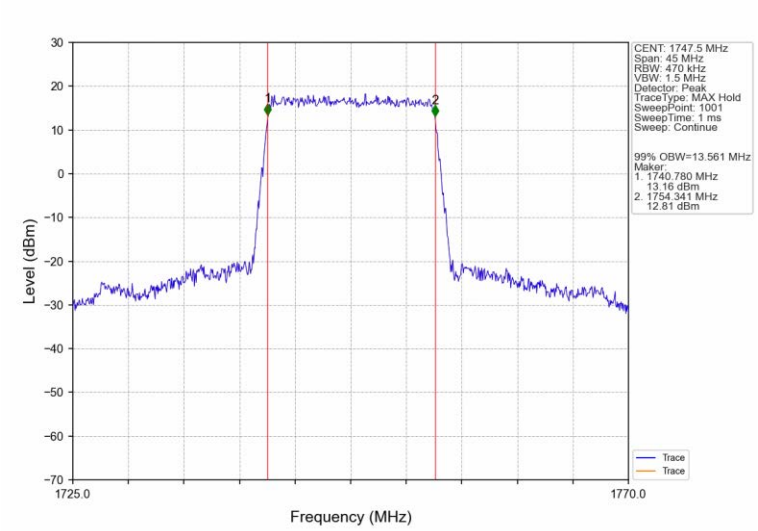
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



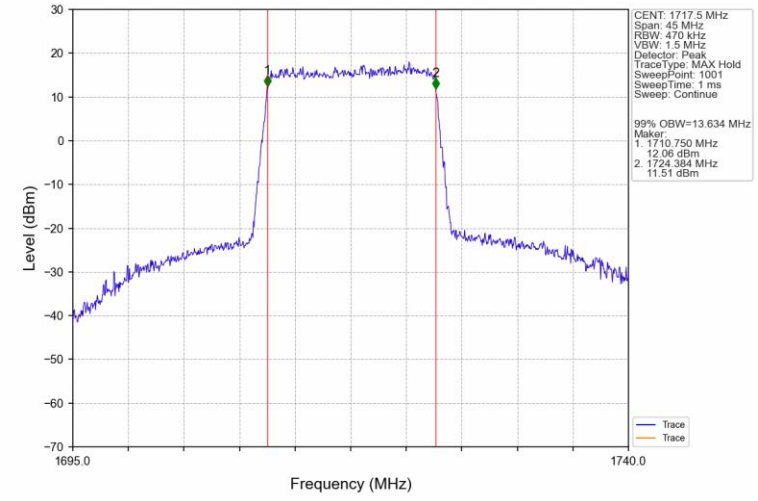
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



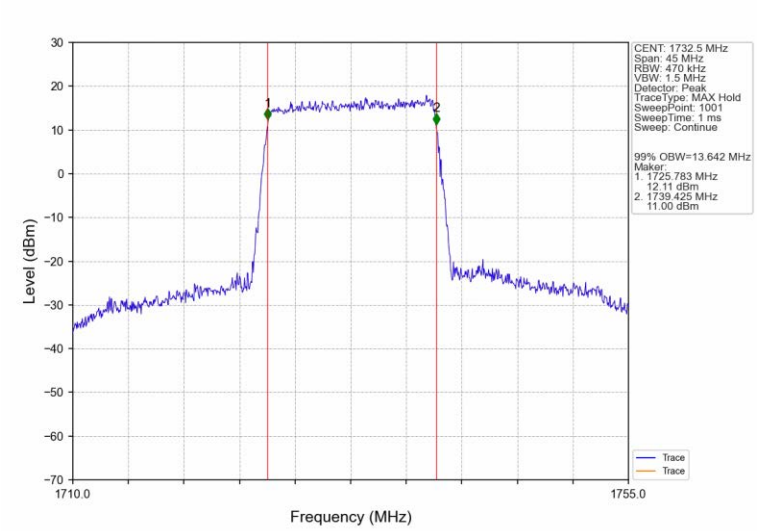
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



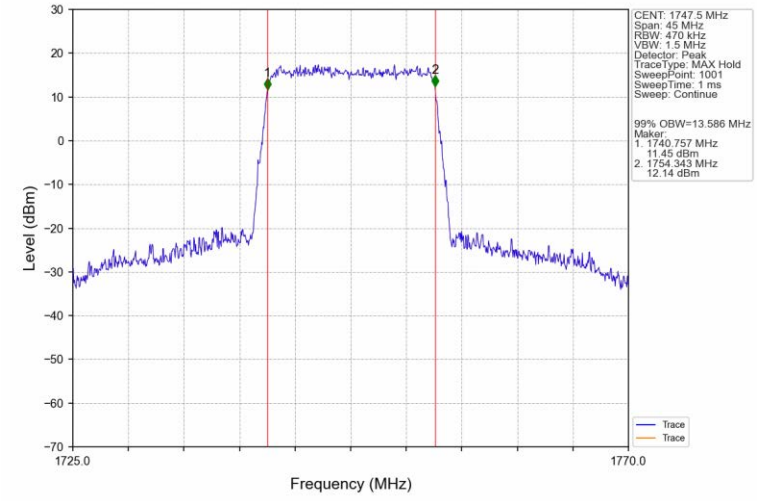
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



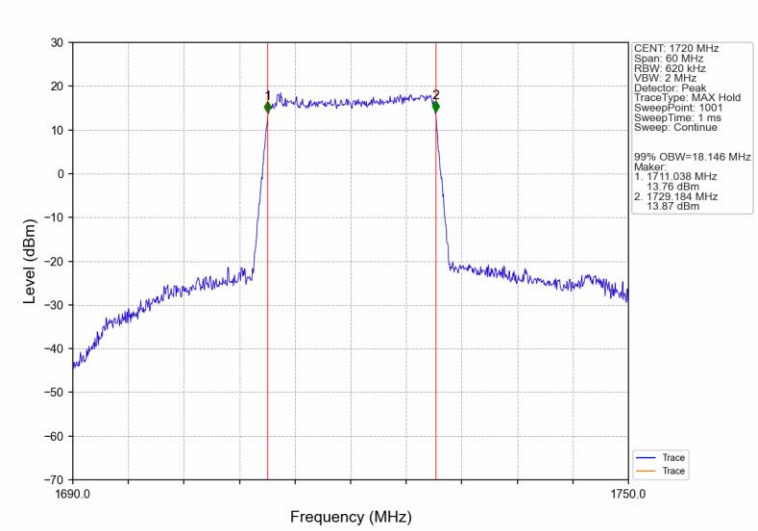
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



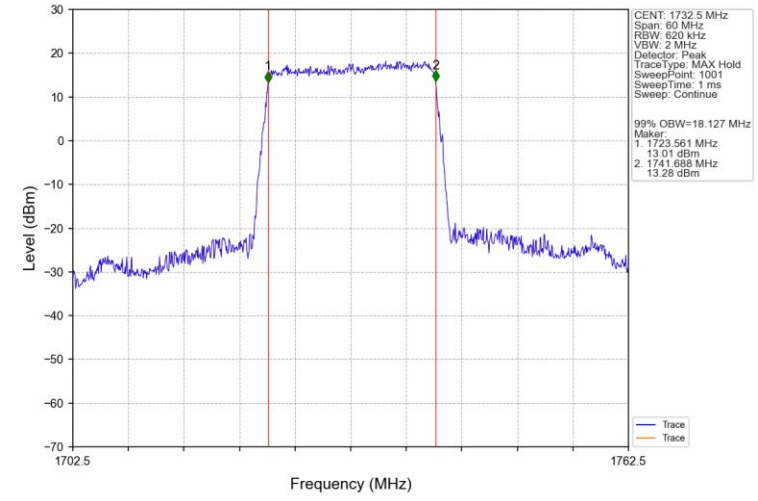
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



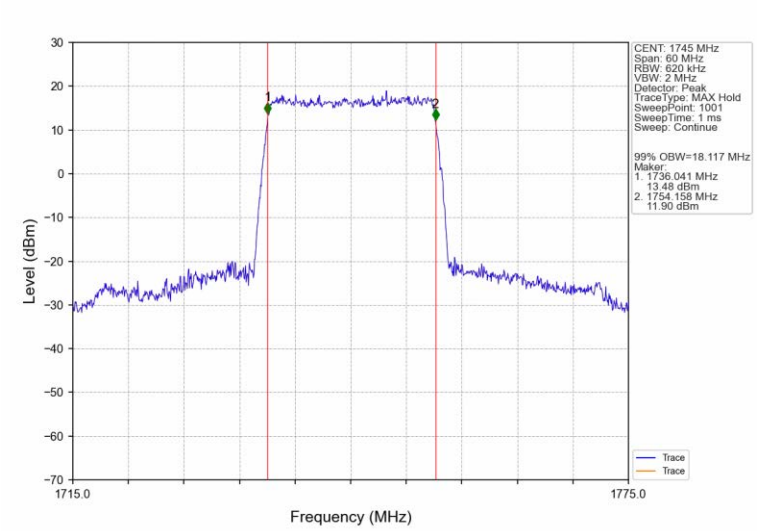
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



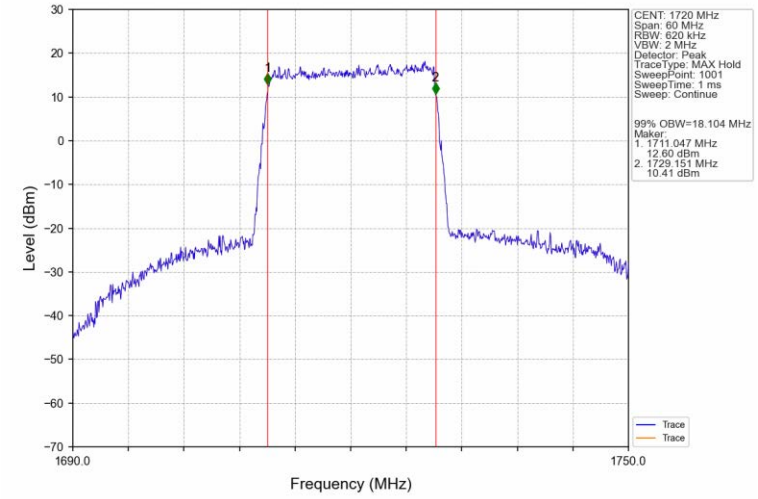
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



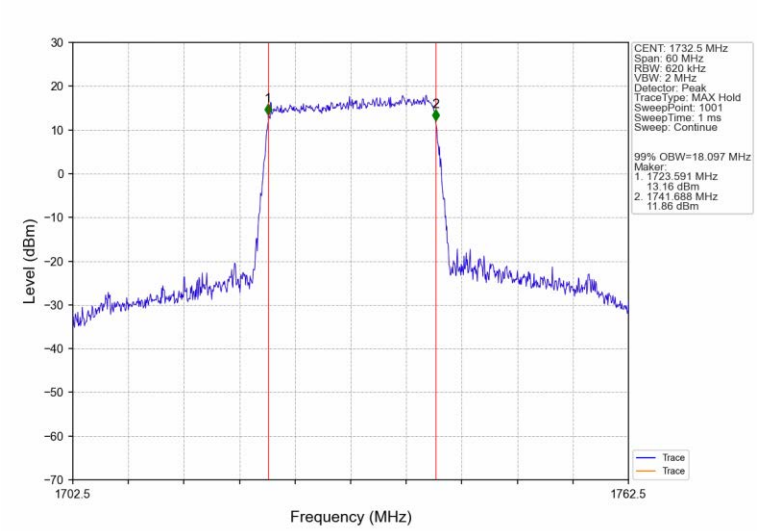
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



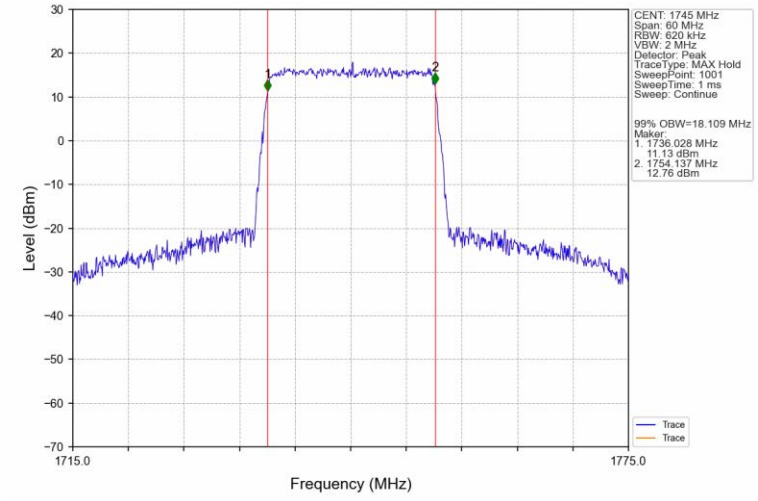
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

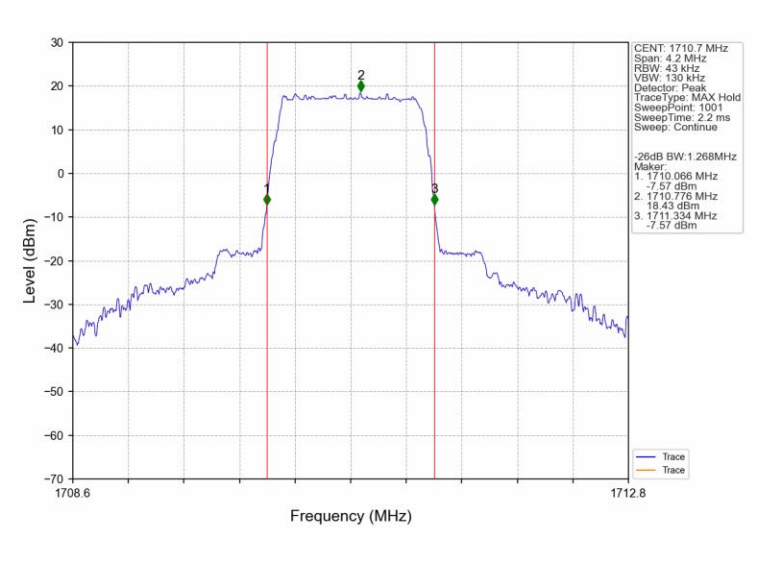


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

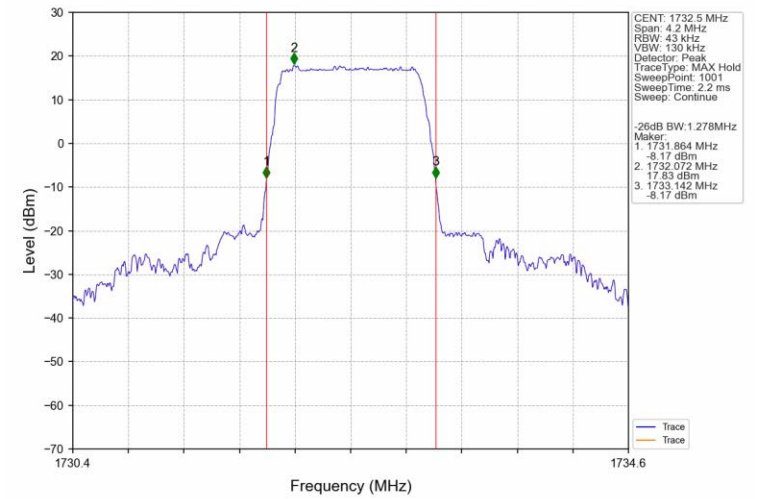


4.2.2 Band4_XDB

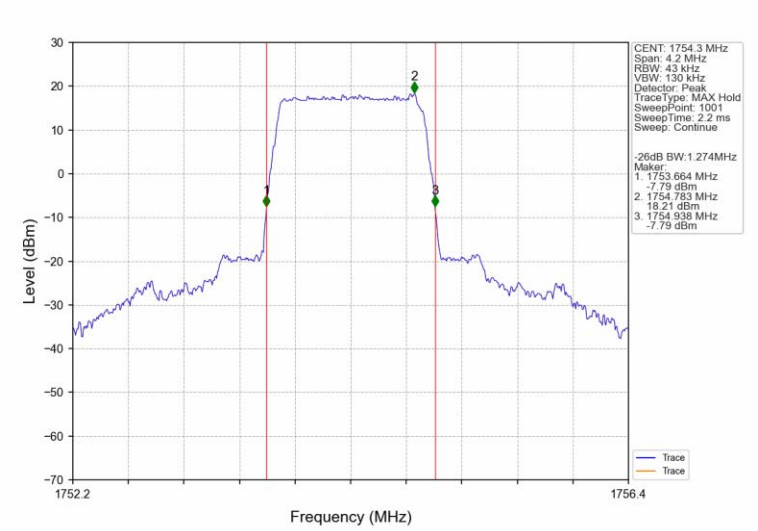
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



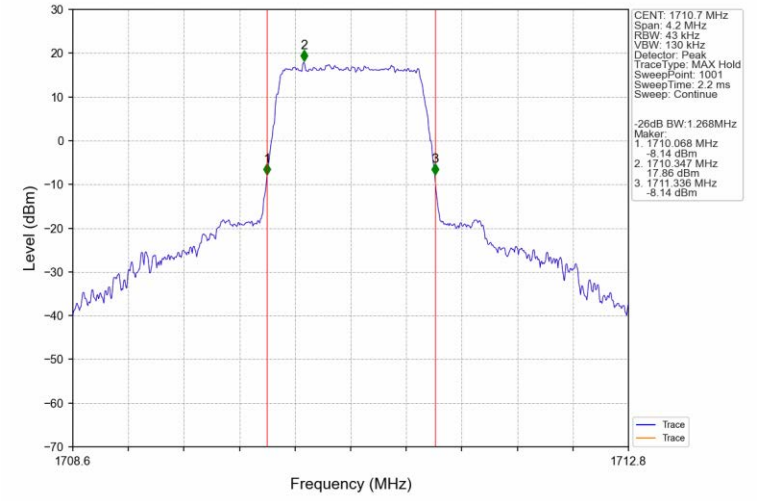
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



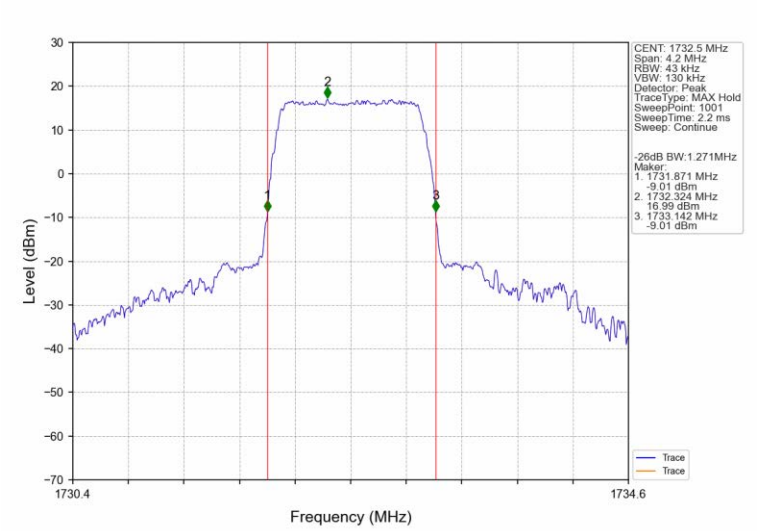
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



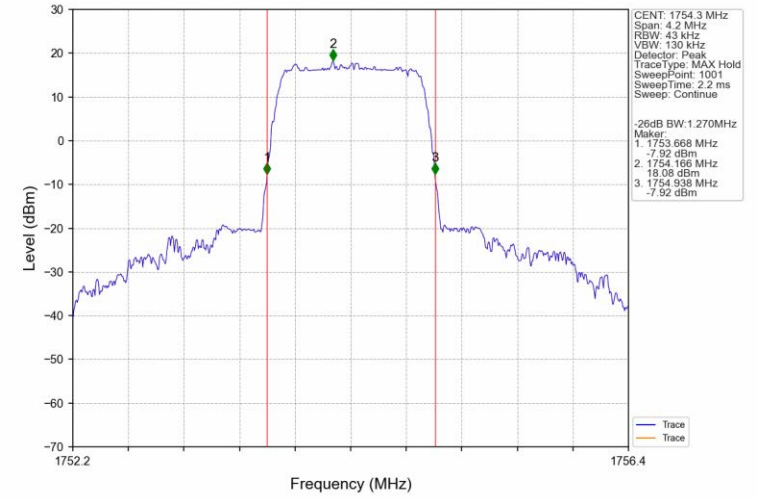
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



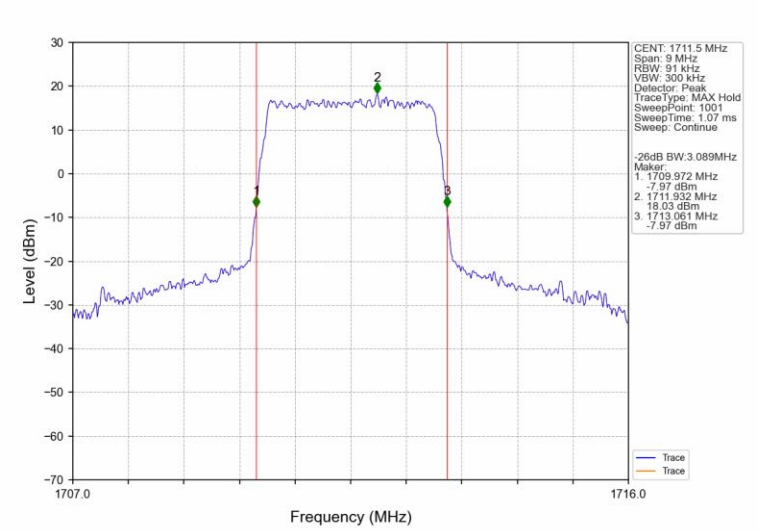
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



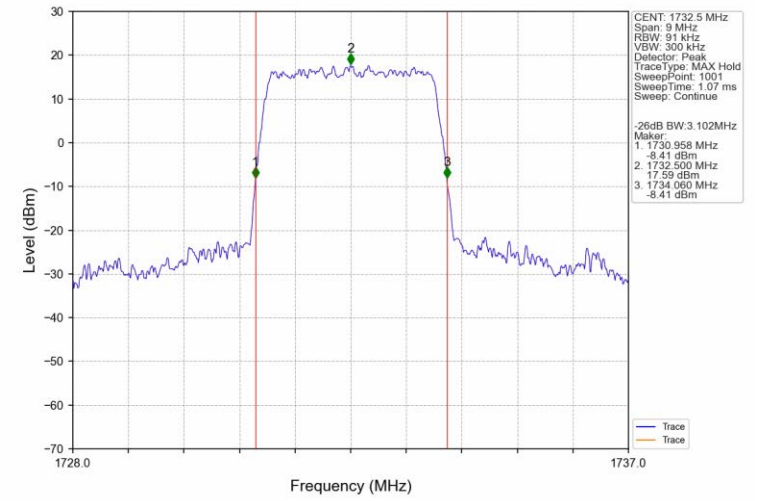
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



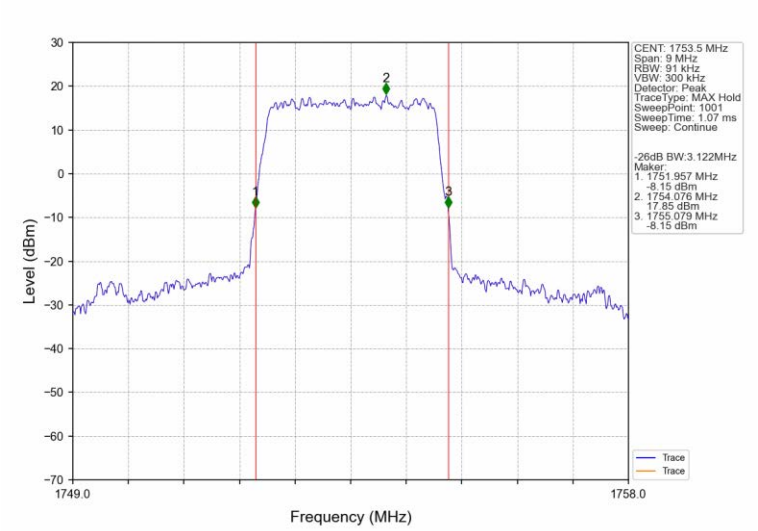
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



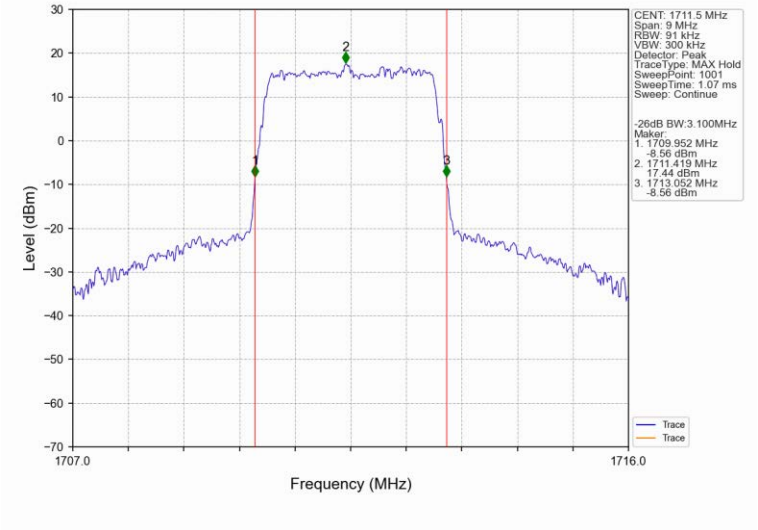
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



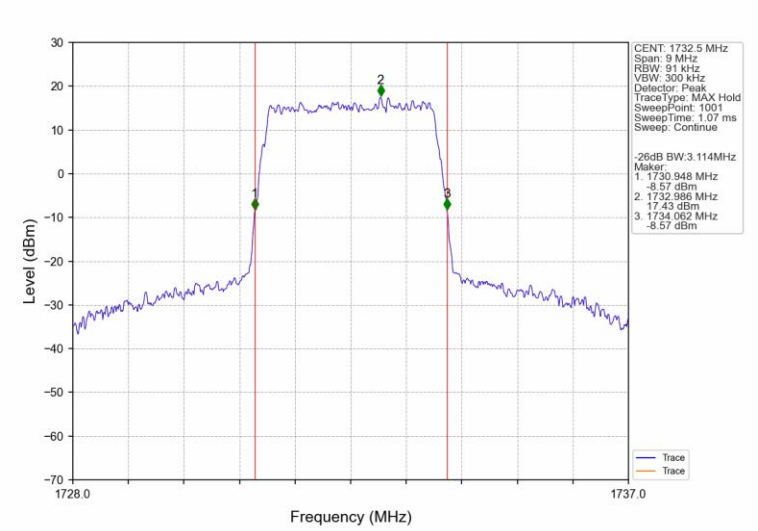
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



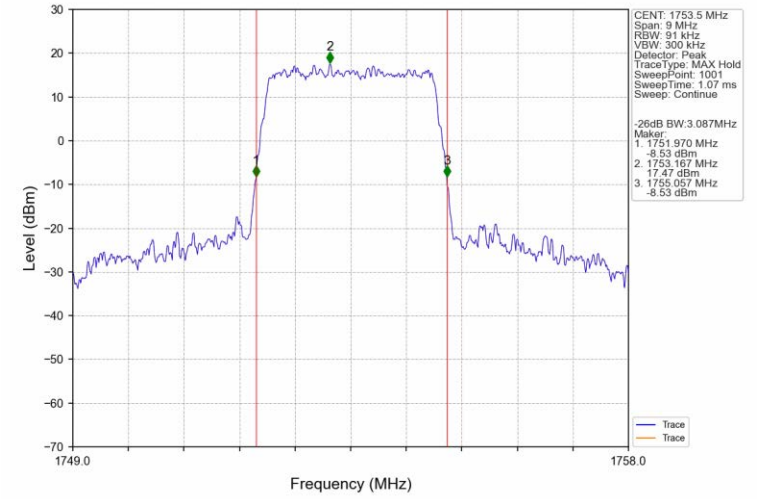
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



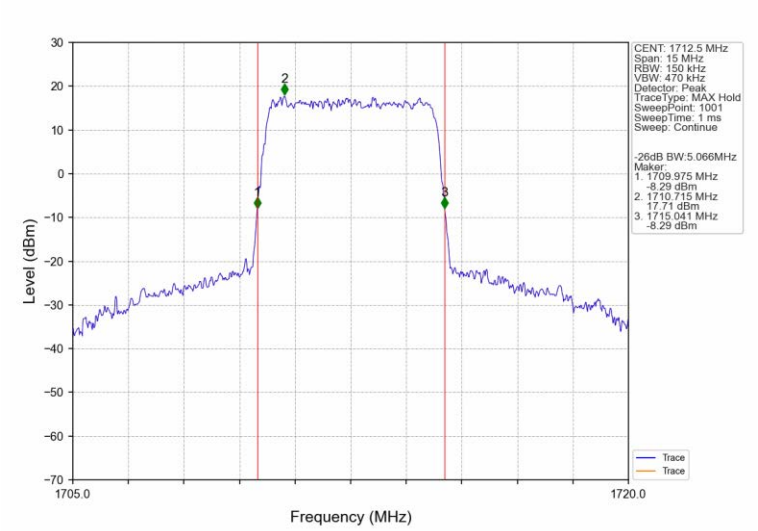
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



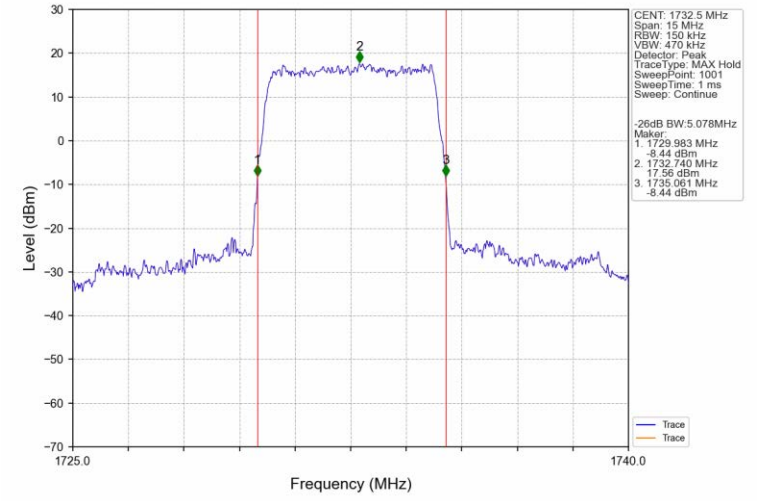
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



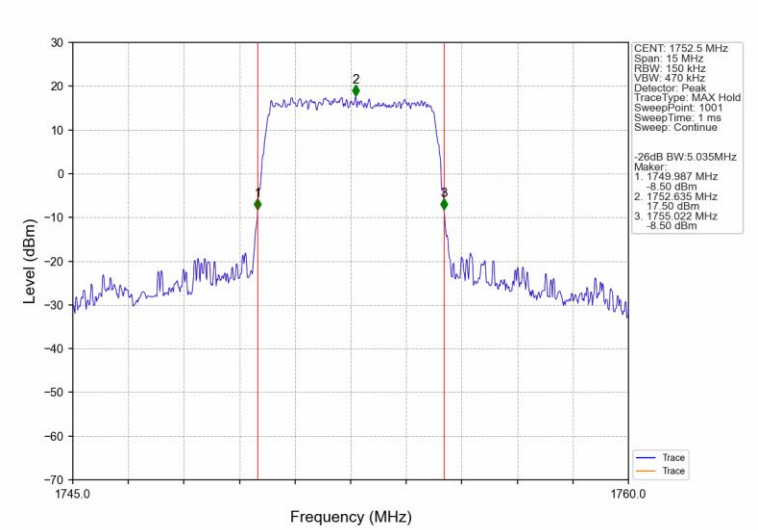
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



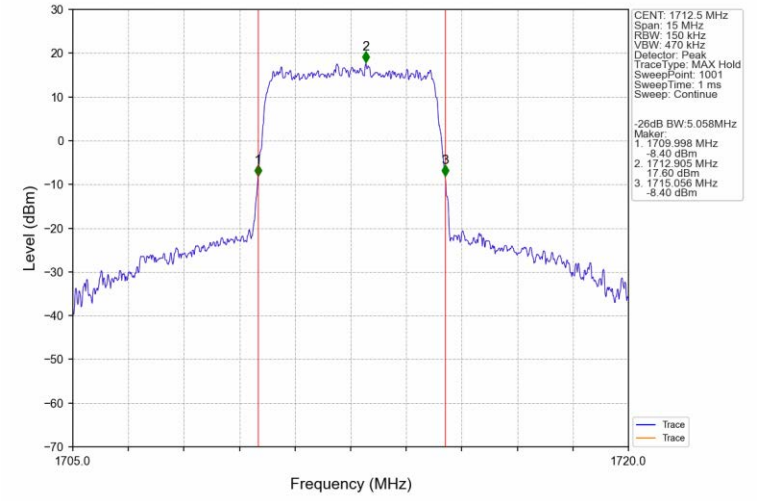
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



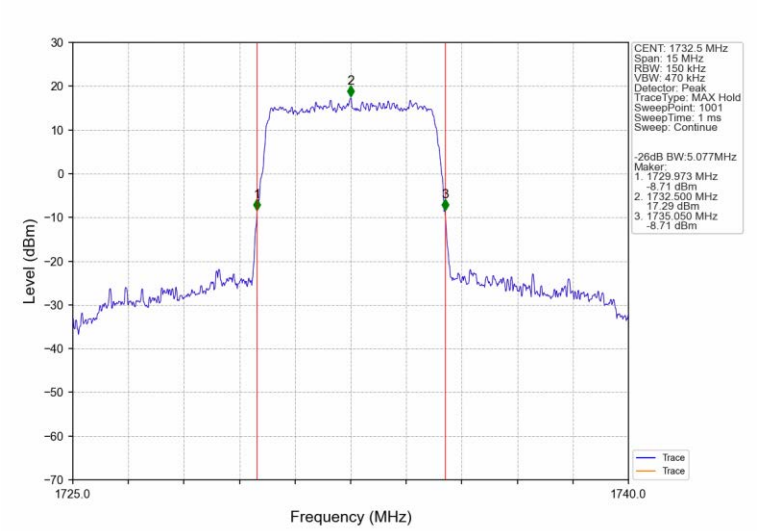
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



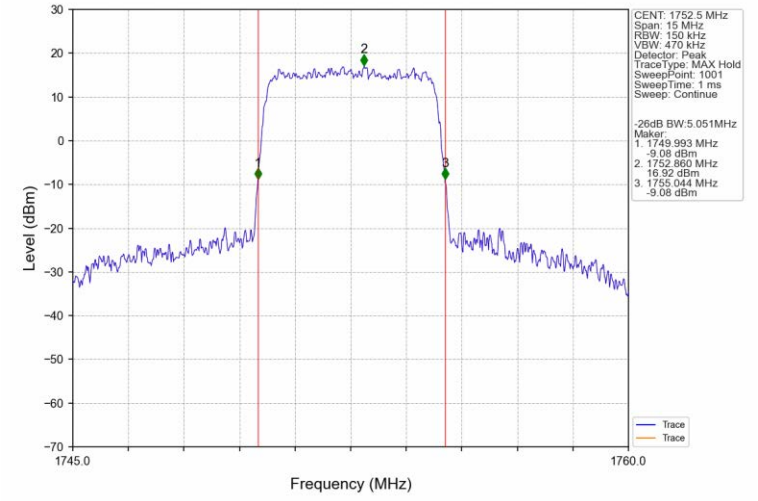
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



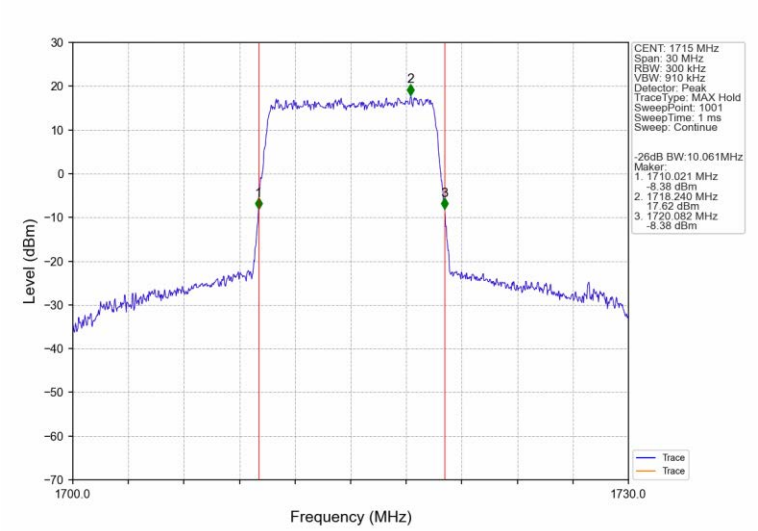
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



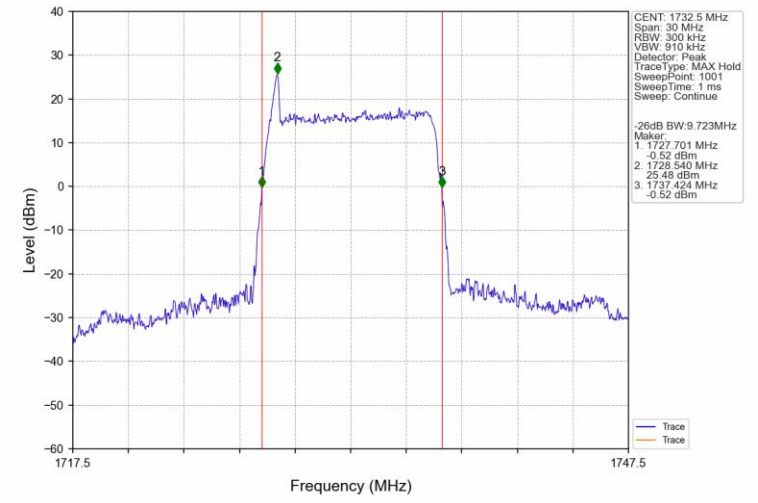
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



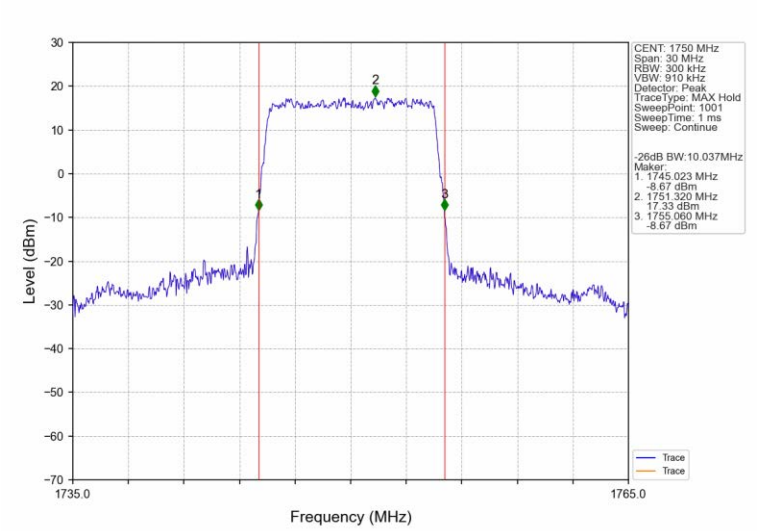
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



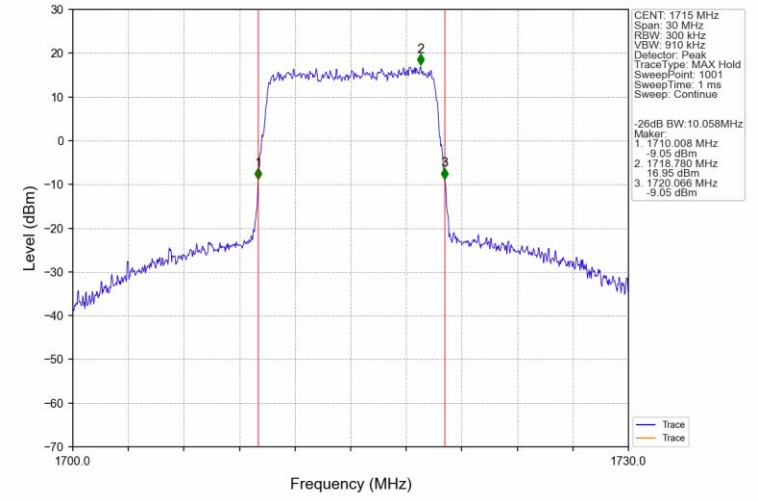
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



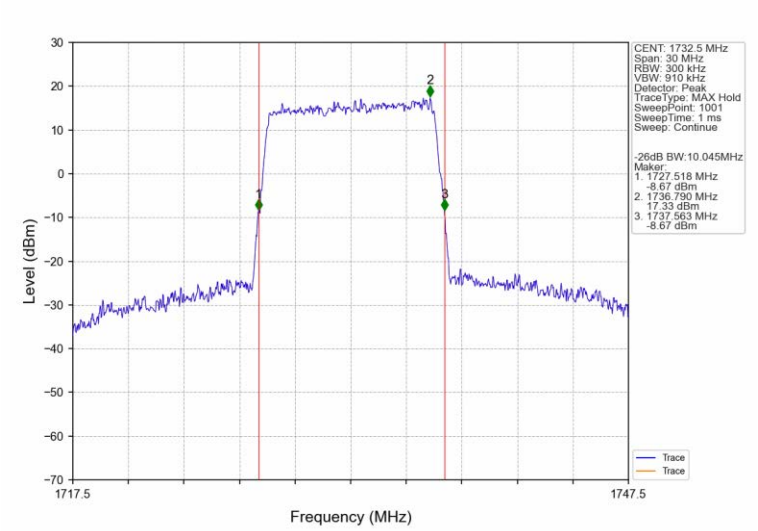
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



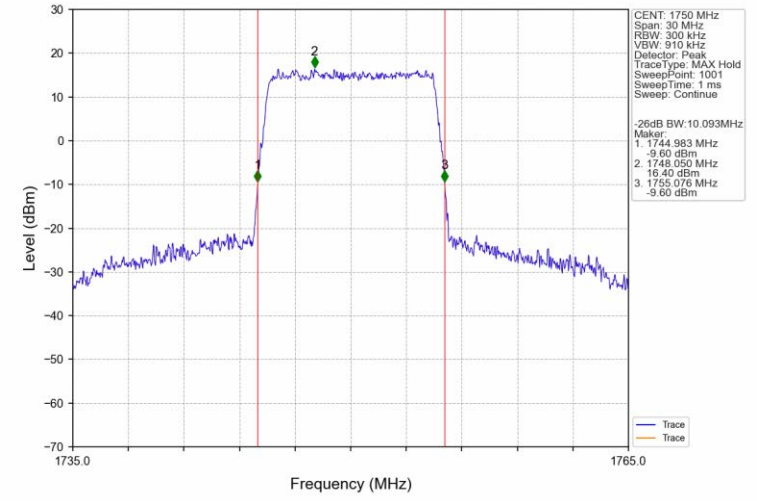
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



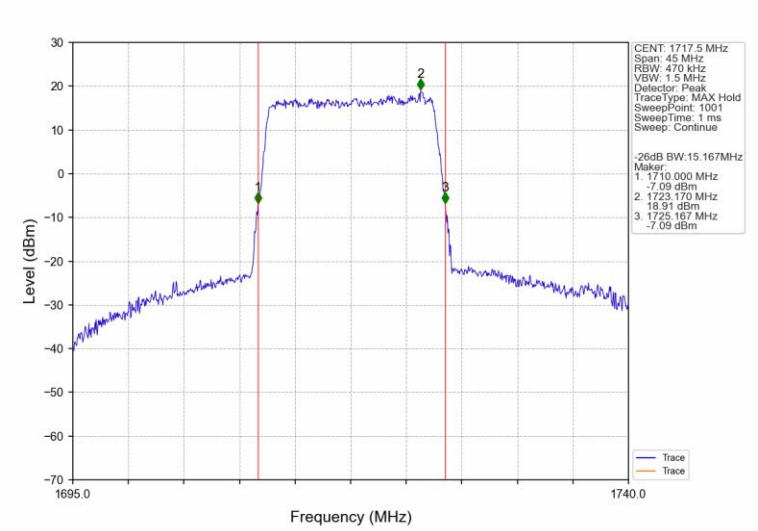
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



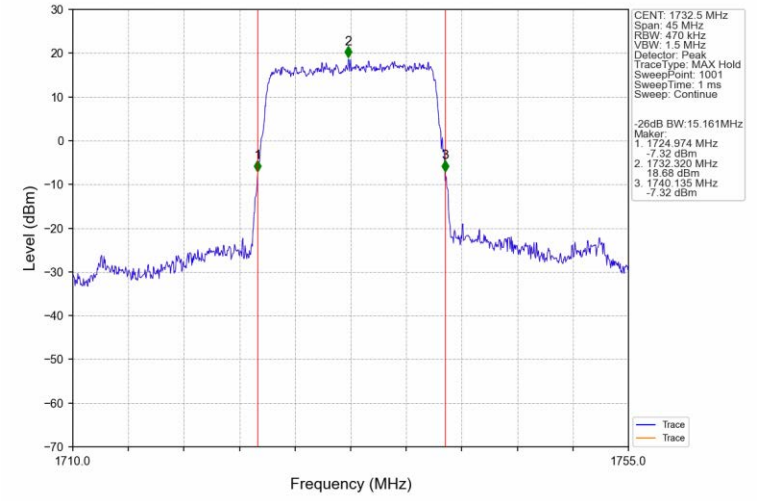
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



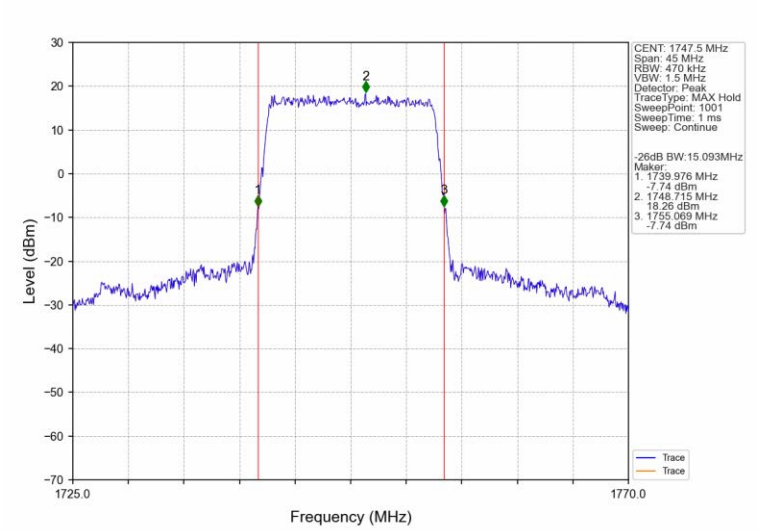
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



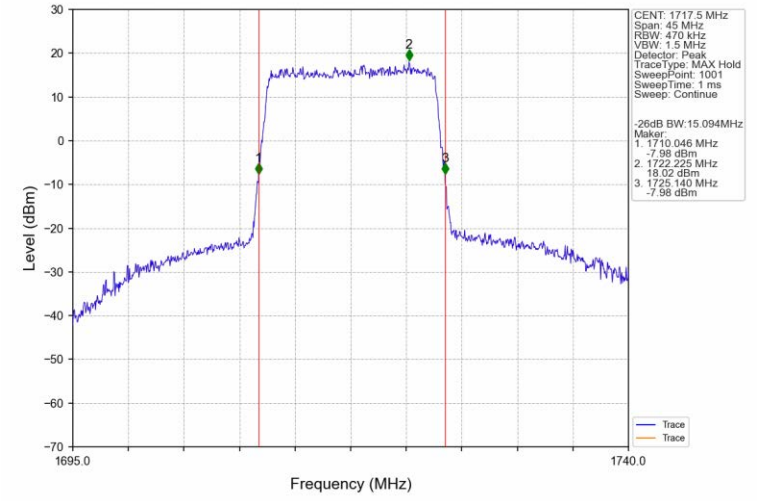
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



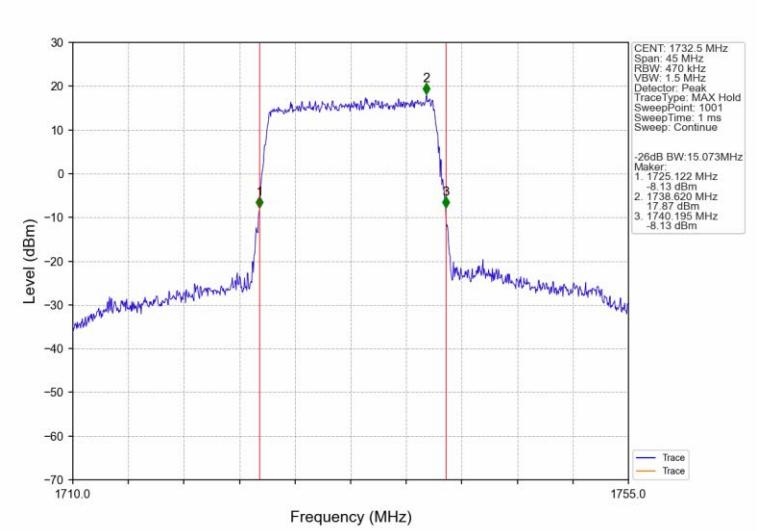
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



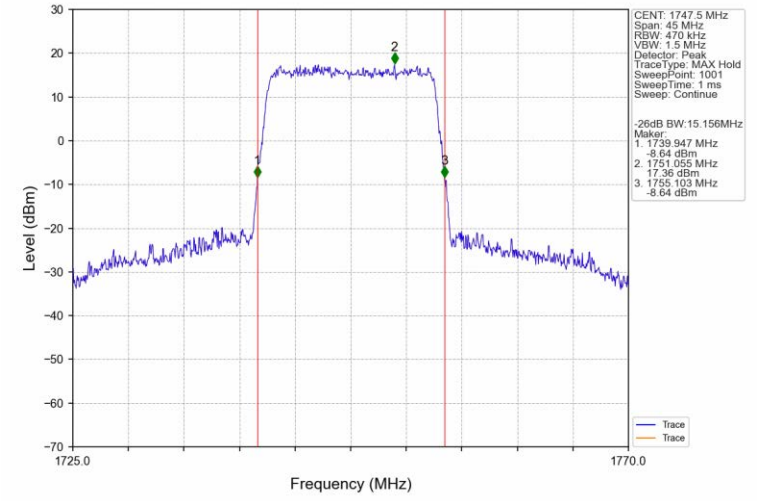
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



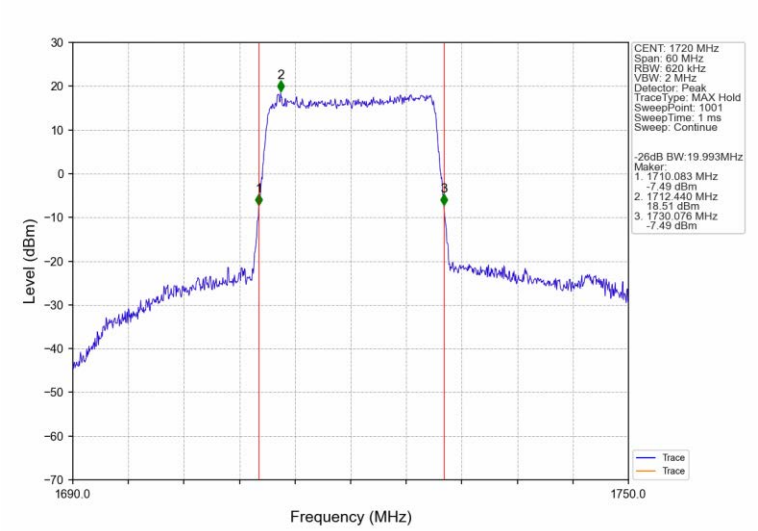
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



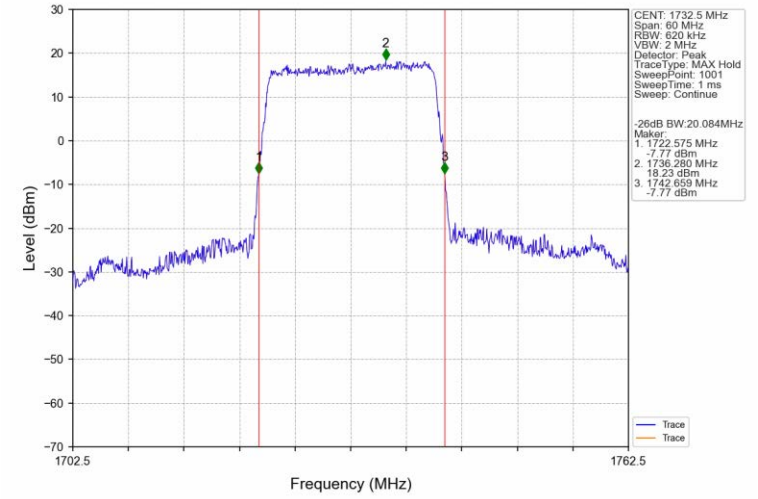
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



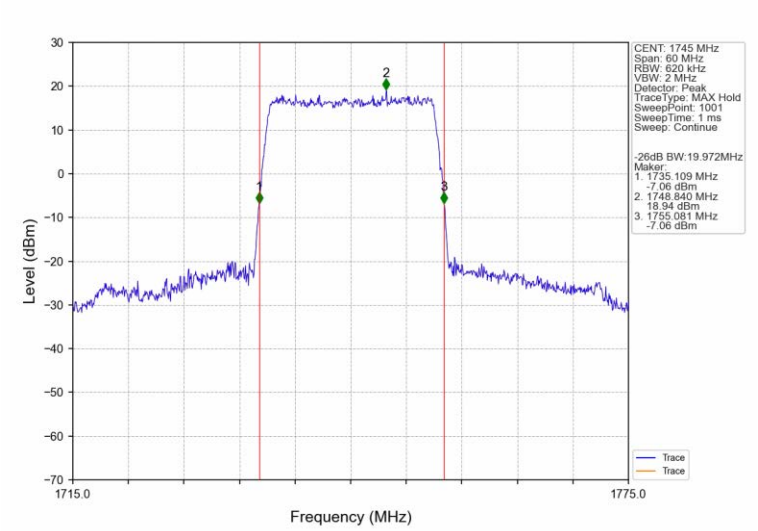
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



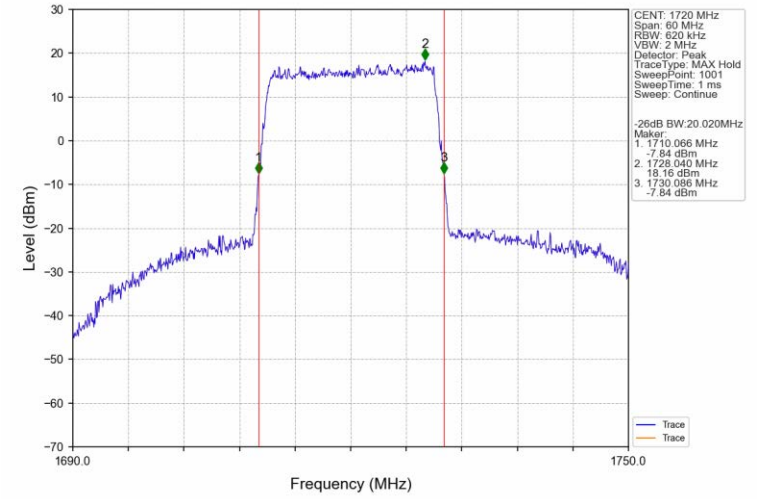
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



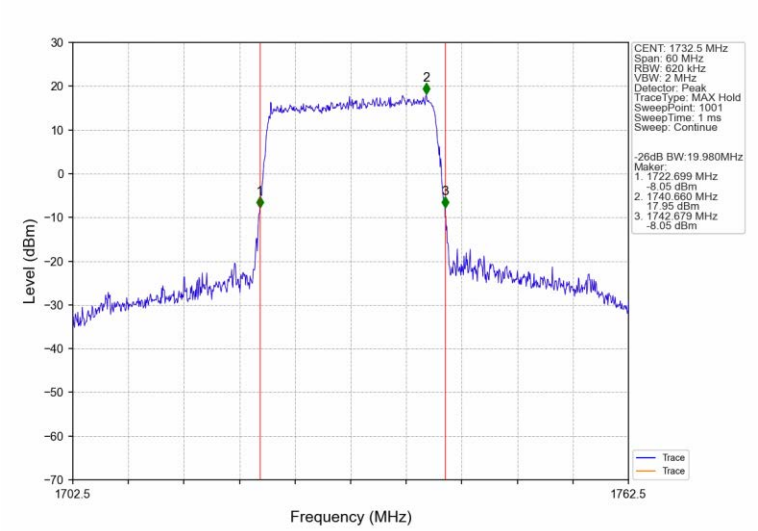
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



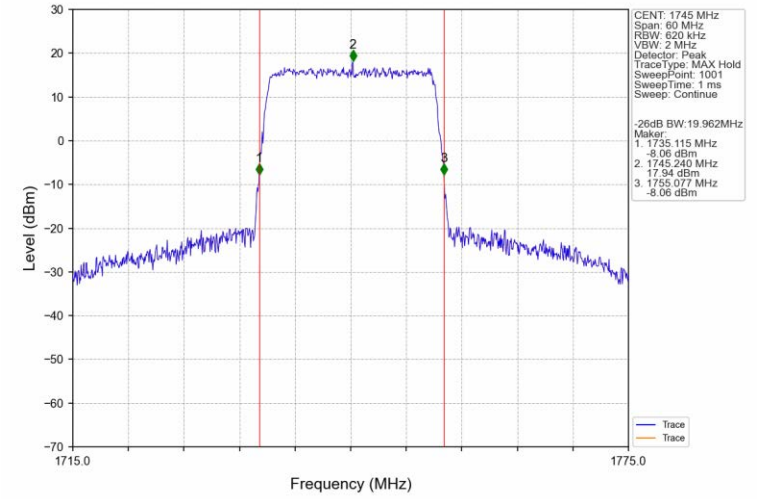
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.78	<=13	Pass
	1732.5	6	0	5.43	<=13	Pass
	1754.3	6	0	5.64	<=13	Pass
16QAM	1710.7	6	0	6.52	<=13	Pass
	1732.5	6	0	6.27	<=13	Pass
	1754.3	6	0	6.38	<=13	Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.85	<=13	Pass
	1732.5	15	0	5.55	<=13	Pass
	1753.5	15	0	5.77	<=13	Pass
16QAM	1711.5	15	0	6.64	<=13	Pass
	1732.5	15	0	6.34	<=13	Pass
	1753.5	15	0	6.62	<=13	Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.80	<=13	Pass
	1732.5	25	0	5.55	<=13	Pass
	1752.5	25	0	5.70	<=13	Pass
16QAM	1712.5	25	0	6.56	<=13	Pass
	1732.5	25	0	6.36	<=13	Pass
	1752.5	25	0	6.42	<=13	Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.88	<=13	Pass
	1732.5	50	0	5.60	<=13	Pass
	1750	50	0	5.65	<=13	Pass
16QAM	1715	50	0	6.64	<=13	Pass
	1732.5	50	0	6.37	<=13	Pass
	1750	50	0	6.43	<=13	Pass

5.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.32	<=13	Pass
	1732.5	75	0	5.21	<=13	Pass
	1747.5	75	0	5.24	<=13	Pass
16QAM	1717.5	75	0	6.34	<=13	Pass
	1732.5	75	0	6.25	<=13	Pass
	1747.5	75	0	6.27	<=13	Pass

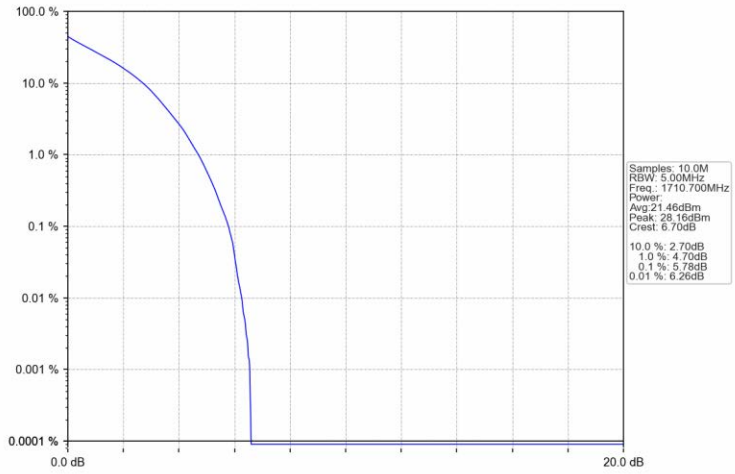
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.63	<=13	Pass
	1732.5	100	0	5.68	<=13	Pass
	1745	100	0	5.67	<=13	Pass
16QAM	1720	100	0	6.69	<=13	Pass
	1732.5	100	0	6.64	<=13	Pass
	1745	100	0	6.62	<=13	Pass

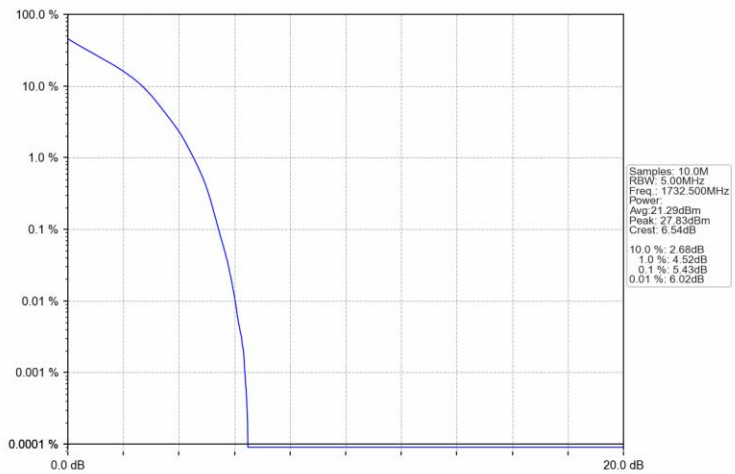
5.2 Test Graph

5.2.1 B4_1.4MHz

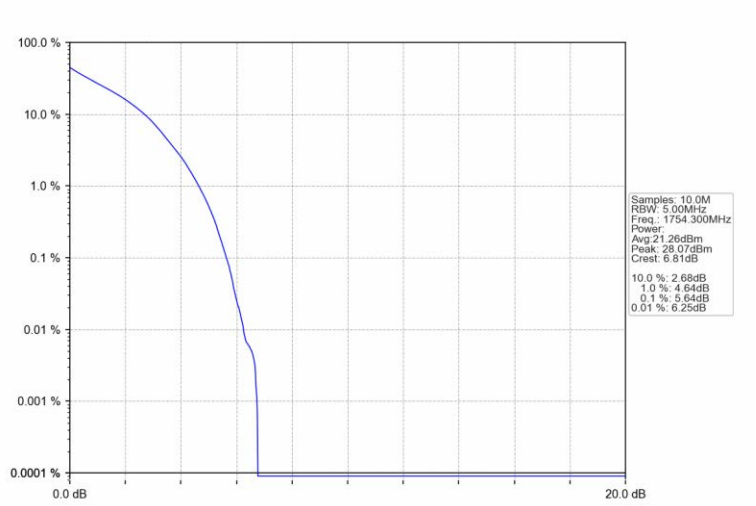
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



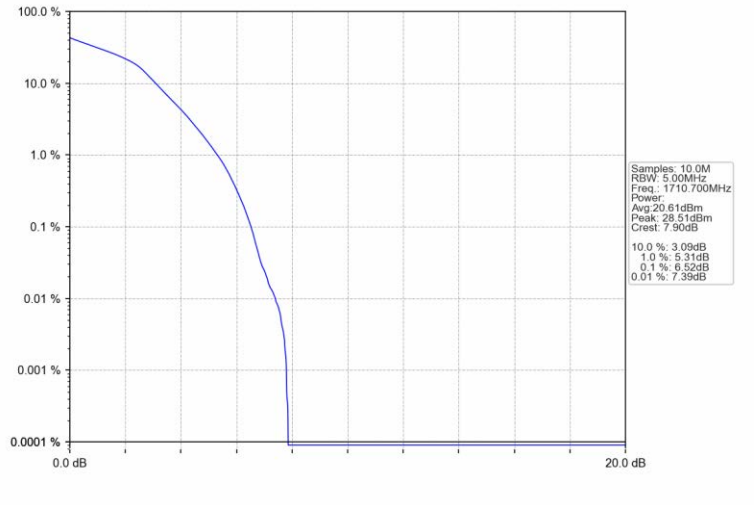
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



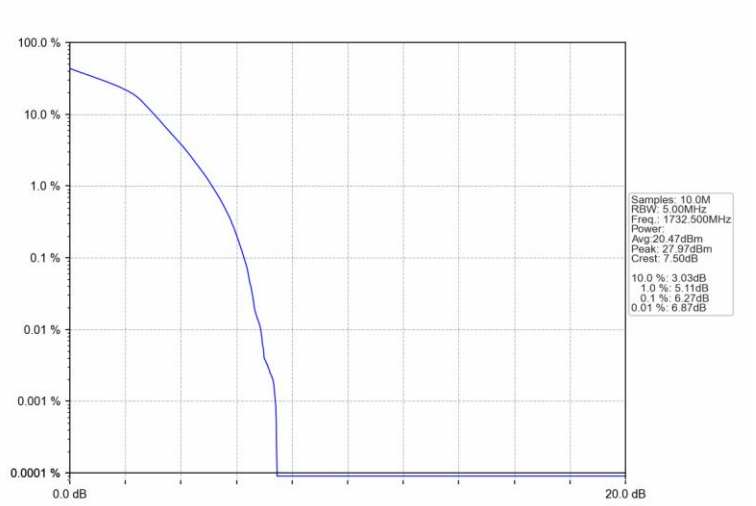
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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