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	22.65	-1.31	21.34	<=30	Pass
			2	22.79	-1.31	21.48	<=30	Pass
			5	22.65	-1.31	21.34	<=30	Pass
		3	0	22.77	-1.31	21.46	<=30	Pass
			2	22.80	-1.31	21.49	<=30	Pass
			3	22.76	-1.31	21.45	<=30	Pass
		6	0	21.73	-1.31	20.42	<=30	Pass
	1732.5	1	0	22.61	-1.31	21.30	<=30	Pass
			2	22.65	-1.31	21.34	<=30	Pass
			5	22.57	-1.31	21.26	<=30	Pass
		3	0	22.72	-1.31	21.41	<=30	Pass
			2	22.72	-1.31	21.41	<=30	Pass
			3	22.71	-1.31	21.40	<=30	Pass
		6	0	21.63	-1.31	20.32	<=30	Pass
	1754.3	1	0	22.28	-1.31	20.97	<=30	Pass
			2	22.38	-1.31	21.07	<=30	Pass
			5	22.24	-1.31	20.93	<=30	Pass
		3	0	22.35	-1.31	21.04	<=30	Pass
			2	22.39	-1.31	21.08	<=30	Pass
			3	22.36	-1.31	21.05	<=30	Pass
		6	0	21.30	-1.31	19.99	<=30	Pass
16QAM	1710.7	1	0	21.82	-1.31	20.51	<=30	Pass
			2	21.89	-1.31	20.58	<=30	Pass
			5	21.85	-1.31	20.54	<=30	Pass
		3	0	21.76	-1.31	20.45	<=30	Pass
			2	21.77	-1.31	20.46	<=30	Pass
			3	21.79	-1.31	20.48	<=30	Pass
		6	0	20.72	-1.31	19.41	<=30	Pass
	1732.5	1	0	21.64	-1.31	20.33	<=30	Pass
			2	21.71	-1.31	20.40	<=30	Pass
			5	21.59	-1.31	20.28	<=30	Pass
		3	0	21.90	-1.31	20.59	<=30	Pass
			2	21.93	-1.31	20.62	<=30	Pass
			3	21.91	-1.31	20.60	<=30	Pass
		6	0	20.67	-1.31	19.36	<=30	Pass
	1754.3	1	0	21.26	-1.31	19.95	<=30	Pass
			2	21.39	-1.31	20.08	<=30	Pass
			5	21.36	-1.31	20.05	<=30	Pass
		3	0	21.42	-1.31	20.11	<=30	Pass
			2	21.43	-1.31	20.12	<=30	Pass
			3	21.41	-1.31	20.10	<=30	Pass
		6	0	20.26	-1.31	18.95	<=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	22.75	-1.31	21.44	<=30	Pass
			7	22.85	-1.31	21.54	<=30	Pass
			14	22.76	-1.31	21.45	<=30	Pass
		8	0	21.75	-1.31	20.44	<=30	Pass
			4	21.78	-1.31	20.47	<=30	Pass
			7	21.76	-1.31	20.45	<=30	Pass
		15	0	21.75	-1.31	20.44	<=30	Pass
	1732.5	1	0	22.77	-1.31	21.46	<=30	Pass
			7	22.87	-1.31	21.56	<=30	Pass
			14	22.69	-1.31	21.38	<=30	Pass
		8	0	21.75	-1.31	20.44	<=30	Pass
			4	21.76	-1.31	20.45	<=30	Pass
			7	21.69	-1.31	20.38	<=30	Pass
		15	0	21.74	-1.31	20.43	<=30	Pass
	1753.5	1	0	22.34	-1.31	21.03	<=30	Pass
			7	22.52	-1.31	21.21	<=30	Pass
			14	22.33	-1.31	21.02	<=30	Pass
		8	0	21.35	-1.31	20.04	<=30	Pass
			4	21.39	-1.31	20.08	<=30	Pass
			7	21.36	-1.31	20.05	<=30	Pass
		15	0	21.37	-1.31	20.06	<=30	Pass
16QAM	1711.5	1	0	22.37	-1.31	21.06	<=30	Pass
			7	22.52	-1.31	21.21	<=30	Pass
			14	22.40	-1.31	21.09	<=30	Pass
		8	0	20.94	-1.31	19.63	<=30	Pass
			4	20.96	-1.31	19.65	<=30	Pass
			7	20.93	-1.31	19.62	<=30	Pass
		15	0	20.83	-1.31	19.52	<=30	Pass
	1732.5	1	0	21.81	-1.31	20.50	<=30	Pass
			7	21.91	-1.31	20.60	<=30	Pass
			14	21.71	-1.31	20.40	<=30	Pass
		8	0	20.85	-1.31	19.54	<=30	Pass
			4	20.84	-1.31	19.53	<=30	Pass
			7	20.75	-1.31	19.44	<=30	Pass
		15	0	20.80	-1.31	19.49	<=30	Pass
	1753.5	1	0	21.53	-1.31	20.22	<=30	Pass
			7	21.69	-1.31	20.38	<=30	Pass
			14	21.52	-1.31	20.21	<=30	Pass
		8	0	20.35	-1.31	19.04	<=30	Pass
			4	20.39	-1.31	19.08	<=30	Pass
			7	20.36	-1.31	19.05	<=30	Pass
		15	0	20.34	-1.31	19.03	<=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	22.62	-1.31	21.31	<=30	Pass
			13	22.76	-1.31	21.45	<=30	Pass
			24	22.65	-1.31	21.34	<=30	Pass
		12	0	21.60	-1.31	20.29	<=30	Pass
			6	21.73	-1.31	20.42	<=30	Pass
			13	21.71	-1.31	20.40	<=30	Pass
		25	0	21.66	-1.31	20.35	<=30	Pass
	1732.5	1	0	22.62	-1.31	21.31	<=30	Pass
			13	22.68	-1.31	21.37	<=30	Pass
			24	22.51	-1.31	21.20	<=30	Pass
		12	0	21.68	-1.31	20.37	<=30	Pass
			6	21.70	-1.31	20.39	<=30	Pass
			13	21.58	-1.31	20.27	<=30	Pass
		25	0	21.61	-1.31	20.30	<=30	Pass
	1752.5	1	0	22.23	-1.31	20.92	<=30	Pass
			13	22.37	-1.31	21.06	<=30	Pass
			24	22.28	-1.31	20.97	<=30	Pass
		12	0	21.23	-1.31	19.92	<=30	Pass
			6	21.36	-1.31	20.05	<=30	Pass
			13	21.34	-1.31	20.03	<=30	Pass
		25	0	21.28	-1.31	19.97	<=30	Pass
16QAM	1712.5	1	0	21.75	-1.31	20.44	<=30	Pass
			13	21.88	-1.31	20.57	<=30	Pass
			24	21.79	-1.31	20.48	<=30	Pass
		12	0	20.58	-1.31	19.27	<=30	Pass
			6	20.71	-1.31	19.40	<=30	Pass
			13	20.69	-1.31	19.38	<=30	Pass
		25	0	20.70	-1.31	19.39	<=30	Pass
	1732.5	1	0	21.92	-1.31	20.61	<=30	Pass
			13	22.05	-1.31	20.74	<=30	Pass
			24	21.83	-1.31	20.52	<=30	Pass
		12	0	20.75	-1.31	19.44	<=30	Pass
			6	20.77	-1.31	19.46	<=30	Pass
			13	20.63	-1.31	19.32	<=30	Pass
		25	0	20.66	-1.31	19.35	<=30	Pass
	1752.5	1	0	21.14	-1.31	19.83	<=30	Pass
			13	21.24	-1.31	19.93	<=30	Pass
			24	21.11	-1.31	19.80	<=30	Pass
		12	0	20.25	-1.31	18.94	<=30	Pass
			6	20.36	-1.31	19.05	<=30	Pass
			13	20.31	-1.31	19.00	<=30	Pass
		25	0	20.33	-1.31	19.02	<=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	22.64	-1.31	21.33	<=30	Pass
			25	22.89	-1.31	21.58	<=30	Pass
			49	22.68	-1.31	21.37	<=30	Pass
		25	0	21.66	-1.31	20.35	<=30	Pass
			13	21.81	-1.31	20.50	<=30	Pass
			25	21.80	-1.31	20.49	<=30	Pass
		50	0	21.76	-1.31	20.45	<=30	Pass
	1732.5	1	0	22.68	-1.31	21.37	<=30	Pass
			25	22.85	-1.31	21.54	<=30	Pass
			49	22.48	-1.31	21.17	<=30	Pass
		25	0	21.88	-1.31	20.57	<=30	Pass
			13	21.68	-1.31	20.37	<=30	Pass
			25	21.60	-1.31	20.29	<=30	Pass
		50	0	21.77	-1.31	20.46	<=30	Pass
	1750	1	0	22.34	-1.31	21.03	<=30	Pass
			25	22.26	-1.31	20.95	<=30	Pass
			49	21.91	-1.31	20.60	<=30	Pass
		25	0	20.97	-1.31	19.66	<=30	Pass
			13	20.96	-1.31	19.65	<=30	Pass
			25	20.91	-1.31	19.60	<=30	Pass
		50	0	20.94	-1.31	19.63	<=30	Pass
16QAM	1715	1	0	21.80	-1.31	20.49	<=30	Pass
			25	22.09	-1.31	20.78	<=30	Pass
			49	21.88	-1.31	20.57	<=30	Pass
		25	0	20.71	-1.31	19.40	<=30	Pass
			13	20.83	-1.31	19.52	<=30	Pass
			25	20.85	-1.31	19.54	<=30	Pass
		50	0	20.80	-1.31	19.49	<=30	Pass
	1732.5	1	0	22.27	-1.31	20.96	<=30	Pass
			25	22.48	-1.31	21.17	<=30	Pass
			49	22.13	-1.31	20.82	<=30	Pass
		25	0	20.93	-1.31	19.62	<=30	Pass
			13	20.82	-1.31	19.51	<=30	Pass
			25	20.69	-1.31	19.38	<=30	Pass
		50	0	20.78	-1.31	19.47	<=30	Pass
	1750	1	0	20.92	-1.31	19.61	<=30	Pass
			25	21.03	-1.31	19.72	<=30	Pass
			49	20.76	-1.31	19.45	<=30	Pass
		25	0	20.00	-1.31	18.69	<=30	Pass
			13	20.09	-1.31	18.78	<=30	Pass
			25	20.04	-1.31	18.73	<=30	Pass
		50	0	19.92	-1.31	18.61	<=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	22.50	-1.31	21.19	<=30	Pass
			38	22.70	-1.31	21.39	<=30	Pass
			74	22.57	-1.31	21.26	<=30	Pass
		36	0	21.66	-1.31	20.35	<=30	Pass
			18	21.73	-1.31	20.42	<=30	Pass
			39	21.76	-1.31	20.45	<=30	Pass
		75	0	21.66	-1.31	20.35	<=30	Pass
	1732.5	1	0	22.50	-1.31	21.19	<=30	Pass
			38	22.36	-1.31	21.05	<=30	Pass
			74	21.82	-1.31	20.51	<=30	Pass
		36	0	21.51	-1.31	20.20	<=30	Pass
			18	21.20	-1.31	19.89	<=30	Pass
			39	21.00	-1.31	19.69	<=30	Pass
		75	0	21.10	-1.31	19.79	<=30	Pass
	1747.5	1	0	21.75	-1.31	20.44	<=30	Pass
			38	21.80	-1.31	20.49	<=30	Pass
			74	21.59	-1.31	20.28	<=30	Pass
		36	0	20.88	-1.31	19.57	<=30	Pass
			18	20.85	-1.31	19.54	<=30	Pass
			39	20.87	-1.31	19.56	<=30	Pass
		75	0	20.83	-1.31	19.52	<=30	Pass
16QAM	1717.5	1	0	22.08	-1.31	20.77	<=30	Pass
			38	22.27	-1.31	20.96	<=30	Pass
			74	22.12	-1.31	20.81	<=30	Pass
		36	0	20.71	-1.31	19.40	<=30	Pass
			18	20.74	-1.31	19.43	<=30	Pass
			39	20.75	-1.31	19.44	<=30	Pass
		75	0	20.66	-1.31	19.35	<=30	Pass
	1732.5	1	0	21.52	-1.31	20.21	<=30	Pass
			38	21.60	-1.31	20.29	<=30	Pass
			74	21.27	-1.31	19.96	<=30	Pass
		36	0	20.40	-1.31	19.09	<=30	Pass
			18	20.11	-1.31	18.80	<=30	Pass
			39	19.95	-1.31	18.64	<=30	Pass
		75	0	20.11	-1.31	18.80	<=30	Pass
	1747.5	1	0	21.02	-1.31	19.71	<=30	Pass
			38	21.04	-1.31	19.73	<=30	Pass
			74	20.75	-1.31	19.44	<=30	Pass
		36	0	19.81	-1.31	18.50	<=30	Pass
			18	19.86	-1.31	18.55	<=30	Pass
			39	19.82	-1.31	18.51	<=30	Pass
		75	0	19.83	-1.31	18.52	<=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	22.33	-1.31	21.02	<=30	Pass
			50	22.79	-1.31	21.48	<=30	Pass
			99	21.95	-1.31	20.64	<=30	Pass
		50	0	21.49	-1.31	20.18	<=30	Pass
			25	21.61	-1.31	20.30	<=30	Pass
			50	21.53	-1.31	20.22	<=30	Pass
		100	0	21.54	-1.31	20.23	<=30	Pass
	1732.5	1	0	21.91	-1.31	20.60	<=30	Pass
			50	22.30	-1.31	20.99	<=30	Pass
			99	21.62	-1.31	20.31	<=30	Pass
		50	0	21.40	-1.31	20.09	<=30	Pass
			25	21.15	-1.31	19.84	<=30	Pass
			50	20.90	-1.31	19.59	<=30	Pass
		100	0	21.23	-1.31	19.92	<=30	Pass
	1745	1	0	21.73	-1.31	20.42	<=30	Pass
			50	22.02	-1.31	20.71	<=30	Pass
			99	21.46	-1.31	20.15	<=30	Pass
		50	0	21.05	-1.31	19.74	<=30	Pass
			25	20.96	-1.31	19.65	<=30	Pass
			50	20.96	-1.31	19.65	<=30	Pass
		100	0	21.00	-1.31	19.69	<=30	Pass
16QAM	1720	1	0	21.19	-1.31	19.88	<=30	Pass
			50	21.72	-1.31	20.41	<=30	Pass
			99	21.21	-1.31	19.90	<=30	Pass
		50	0	20.26	-1.31	18.95	<=30	Pass
			25	20.45	-1.31	19.14	<=30	Pass
			50	20.43	-1.31	19.12	<=30	Pass
		100	0	20.23	-1.31	18.92	<=30	Pass
	1732.5	1	0	21.49	-1.31	20.18	<=30	Pass
			50	21.89	-1.31	20.58	<=30	Pass
			99	21.23	-1.31	19.92	<=30	Pass
		50	0	20.40	-1.31	19.09	<=30	Pass
			25	20.20	-1.31	18.89	<=30	Pass
			50	19.97	-1.31	18.66	<=30	Pass
		100	0	20.27	-1.31	18.96	<=30	Pass
	1745	1	0	20.96	-1.31	19.65	<=30	Pass
			50	21.32	-1.31	20.01	<=30	Pass
			99	20.70	-1.31	19.39	<=30	Pass
		50	0	20.08	-1.31	18.77	<=30	Pass
			25	19.96	-1.31	18.65	<=30	Pass
			50	19.94	-1.31	18.63	<=30	Pass
		100	0	20.04	-1.31	18.73	<=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	2.131	0.0012	-2.5 to 2.5	Pass
					3.85	-5.264	-0.0031	-2.5 to 2.5	Pass
					4.43	-8.569	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	2.460	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				10	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				50	3.85	1.659	0.0010	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	12.617	0.0073	-2.5 to 2.5	Pass
					3.85	-14.834	-0.0086	-2.5 to 2.5	Pass
					4.43	0.000	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-8.755	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-12.431	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-6.123	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-13.103	-0.0076	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-4.363	-0.0025	-2.5 to 2.5	Pass
					3.85	-12.589	-0.0072	-2.5 to 2.5	Pass
					4.43	-14.920	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-6.309	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-13.504	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-13.990	-0.0080	-2.5 to 2.5	Pass
				0	3.85	2.532	0.0014	-2.5 to 2.5	Pass
				10	3.85	-7.782	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-14.834	-0.0085	-2.5 to 2.5	Pass
				40	3.85	2.532	0.0014	-2.5 to 2.5	Pass
				50	3.85	-5.465	-0.0031	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-1.245	-0.0007	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
					4.43	-5.207	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-10.157	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
				0	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				30	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				40	3.85	4.292	0.0025	-2.5 to 2.5	Pass
				50	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	0.930	0.0005	-2.5 to 2.5	Pass
					3.85	-9.742	-0.0056	-2.5 to 2.5	Pass
					4.43	-16.365	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	2.832	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass

				0	3.85	-10.657	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-10.400	-0.0060	-2.5 to 2.5	Pass
				40	3.85	3.605	0.0021	-2.5 to 2.5	Pass
				50	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	4.406	0.0025	-2.5 to 2.5	Pass
					3.85	-13.404	-0.0076	-2.5 to 2.5	Pass
					4.43	-6.194	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-15.607	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-13.561	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-9.584	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-7.353	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-13.976	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-10.872	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-9.384	-0.0053	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-0.143	-0.0001	-2.5 to 2.5	Pass
					3.85	-9.155	-0.0053	-2.5 to 2.5	Pass
					4.43	-5.121	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-5.336	-0.0031	-2.5 to 2.5	Pass
				40	3.85	2.375	0.0014	-2.5 to 2.5	Pass
				50	3.85	-11.015	-0.0064	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	4.163	0.0024	-2.5 to 2.5	Pass
					3.85	-14.534	-0.0084	-2.5 to 2.5	Pass
					4.43	-9.799	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	3.676	0.0021	-2.5 to 2.5	Pass
				0	3.85	-9.727	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	8.526	0.0049	-2.5 to 2.5	Pass
					3.85	4.005	0.0023	-2.5 to 2.5	Pass
					4.43	-5.264	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-10.858	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-15.593	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-15.392	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-7.625	-0.0045	-2.5 to 2.5	Pass
					3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
					4.43	-2.589	-0.0015	-2.5 to 2.5	Pass

				-30	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-12.646	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-9.112	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-13.876	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-13.433	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	2.875	0.0017	-2.5 to 2.5	Pass
					3.85	1.030	0.0006	-2.5 to 2.5	Pass
					4.43	-9.756	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	3.219	0.0019	-2.5 to 2.5	Pass
				-20	3.85	3.047	0.0018	-2.5 to 2.5	Pass
				-10	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				0	3.85	-10.943	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-6.680	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-12.474	-0.0072	-2.5 to 2.5	Pass
				50	3.85	2.589	0.0015	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	7.339	0.0042	-2.5 to 2.5	Pass
					3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
					4.43	-2.246	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-5.121	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-12.045	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	7.796	0.0044	-2.5 to 2.5	Pass
				0	3.85	-11.473	-0.0065	-2.5 to 2.5	Pass
				10	3.85	5.021	0.0029	-2.5 to 2.5	Pass
				30	3.85	-10.271	-0.0059	-2.5 to 2.5	Pass
				40	3.85	6.037	0.0034	-2.5 to 2.5	Pass
				50	3.85	-0.043	0.0000	-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	-12.102	-0.0071	-2.5 to 2.5	Pass
					3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
					4.43	-2.217	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-4.048	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-11.573	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-4.520	-0.0026	-2.5 to 2.5	Pass
					3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
					4.43	-1.888	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-7.210	-0.0042	-2.5 to 2.5	Pass
				0	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-9.055	-0.0052	-2.5 to 2.5	Pass

	1752.5	25	0	20	3.27	-0.644	-0.0004	-2.5 to 2.5	Pass
					3.85	-6.795	-0.0039	-2.5 to 2.5	Pass
					4.43	-8.512	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-11.859	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-8.597	-0.0049	-2.5 to 2.5	Pass
				0	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				10	3.85	-12.045	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-4.592	-0.0026	-2.5 to 2.5	Pass
				40	3.85	3.319	0.0019	-2.5 to 2.5	Pass
				50	3.85	-7.396	-0.0042	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-2.947	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
					4.43	0.529	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-9.499	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-3.977	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-8.497	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-11.930	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-12.860	-0.0075	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.129	0.0001	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-7.410	-0.0043	-2.5 to 2.5	Pass
					3.85	-14.319	-0.0083	-2.5 to 2.5	Pass
					4.43	2.918	0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-7.725	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-13.461	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-5.836	-0.0034	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	0.501	0.0003	-2.5 to 2.5	Pass
					3.85	-8.469	-0.0048	-2.5 to 2.5	Pass
					4.43	5.207	0.0030	-2.5 to 2.5	Pass
				-30	3.85	-7.153	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-8.855	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-9.127	-0.0052	-2.5 to 2.5	Pass
				0	3.85	3.219	0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-3.576	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-7.524	-0.0043	-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	-4.463	-0.0026	-2.5 to 2.5	Pass
					3.85	-8.311	-0.0048	-2.5 to 2.5	Pass
					4.43	-6.967	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-9.384	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-8.326	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-4.907	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-6.638	-0.0039	-2.5 to 2.5	Pass

				30	3.85	-8.068	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-11.401	-0.0066	-2.5 to 2.5	Pass
					3.85	-8.683	-0.0050	-2.5 to 2.5	Pass
					4.43	-5.951	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-4.048	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-8.798	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				40	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.788	0.0010	-2.5 to 2.5	Pass
					3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
					4.43	-4.692	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-6.251	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-8.984	-0.0052	-2.5 to 2.5	Pass
					3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
					4.43	-0.329	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-8.998	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-4.764	-0.0028	-2.5 to 2.5	Pass
				40	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				50	3.85	-12.388	-0.0072	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-3.376	-0.0019	-2.5 to 2.5	Pass
					3.85	-6.266	-0.0036	-2.5 to 2.5	Pass
					4.43	-3.934	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	5.393	0.0031	-2.5 to 2.5	Pass
				-20	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				40	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				50	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-2.961	-0.0017	-2.5 to 2.5	Pass
					3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
					4.43	-8.898	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-7.052	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-8.025	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-9.098	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-8.512	-0.0049	-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	-8.698	-0.0051	-2.5 to 2.5	Pass
					3.85	-7.324	-0.0043	-2.5 to 2.5	Pass
					4.43	-9.527	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-8.855	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-7.553	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-7.067	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-5.093	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-3.591	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-3.920	-0.0023	-2.5 to 2.5	Pass
					3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
					4.43	-9.499	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-6.666	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-7.396	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-7.024	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-5.264	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-2.947	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
					4.43	-6.795	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-10.757	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-8.183	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-7.796	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-6.466	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-7.939	-0.0045	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-8.025	-0.0047	-2.5 to 2.5	Pass
					3.85	-8.669	-0.0050	-2.5 to 2.5	Pass
					4.43	-7.296	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-12.789	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-6.680	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-8.569	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-8.154	-0.0047	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-1.616	-0.0009	-2.5 to 2.5	Pass
					3.85	-6.309	-0.0036	-2.5 to 2.5	Pass
					4.43	-4.292	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass

	1747.5	75	0	20	3.27	-2.289	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
					4.43	-3.233	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	2.661	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-7.510	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-4.907	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-4.449	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-5.364	-0.0031	-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	-10.228	-0.0059	-2.5 to 2.5	Pass
					3.85	-9.527	-0.0055	-2.5 to 2.5	Pass
					4.43	-12.875	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-7.439	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-7.153	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-8.326	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-7.782	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-4.792	-0.0028	-2.5 to 2.5	Pass
					3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
					4.43	-0.172	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-9.813	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-10.886	-0.0063	-2.5 to 2.5	Pass
				0	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-6.666	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-2.332	-0.0013	-2.5 to 2.5	Pass
					3.85	-7.682	-0.0044	-2.5 to 2.5	Pass
					4.43	-9.599	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.877	-0.0022	-2.5 to 2.5	Pass
				0	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				10	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-6.695	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-10.872	-0.0062	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-8.440	-0.0049	-2.5 to 2.5	Pass
					3.85	-2.518	-0.0015	-2.5 to 2.5	Pass
					4.43	-2.818	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-3.691	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-9.685	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-9.856	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-8.368	-0.0049	-2.5 to 2.5	Pass

				30	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-9.484	-0.0055	-2.5 to 2.5	Pass
					3.85	-8.054	-0.0046	-2.5 to 2.5	Pass
					4.43	-7.381	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-3.562	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-7.396	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-9.885	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-11.315	-0.0065	-2.5 to 2.5	Pass
				50	3.85	0.300	0.0002	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.490	-0.0020	-2.5 to 2.5	Pass
					3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
					4.43	-5.150	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-7.653	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-5.965	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.478	-0.0026	-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

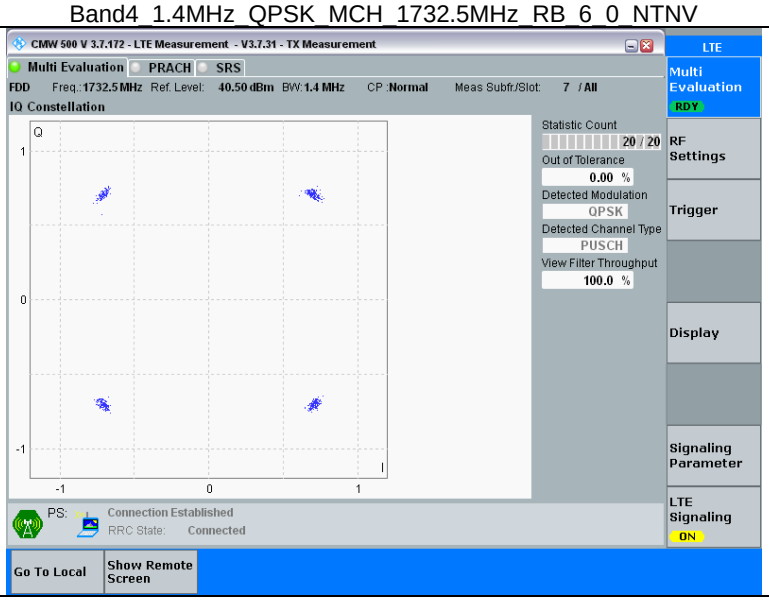
3.1.6 B4_20MHz

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

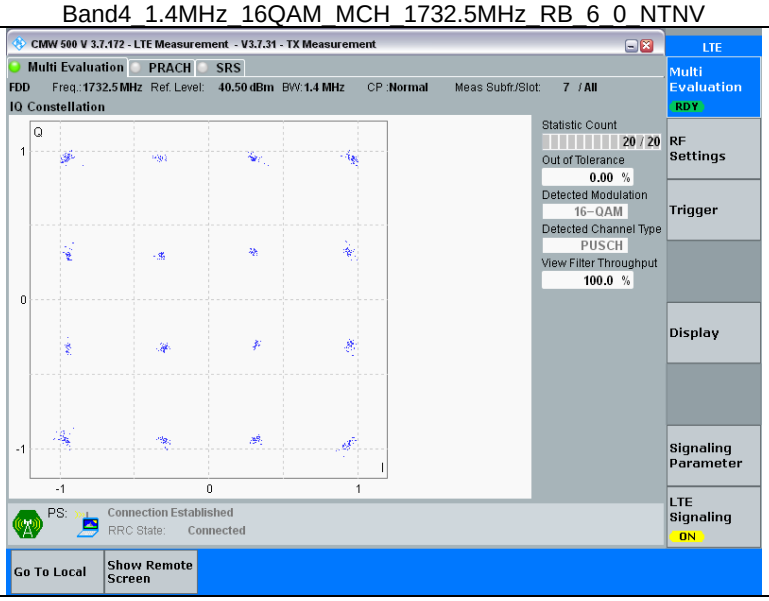
3.2 Test Graph

3.2.1 B4_1.4MHz

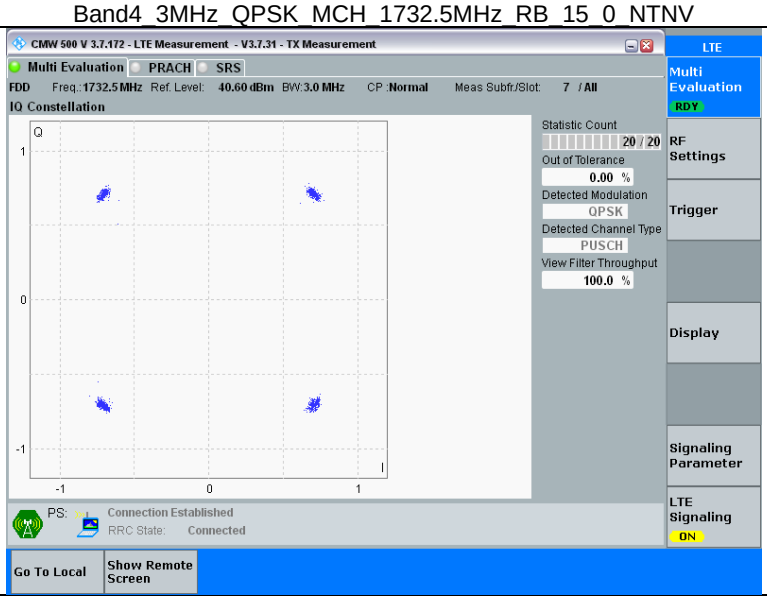
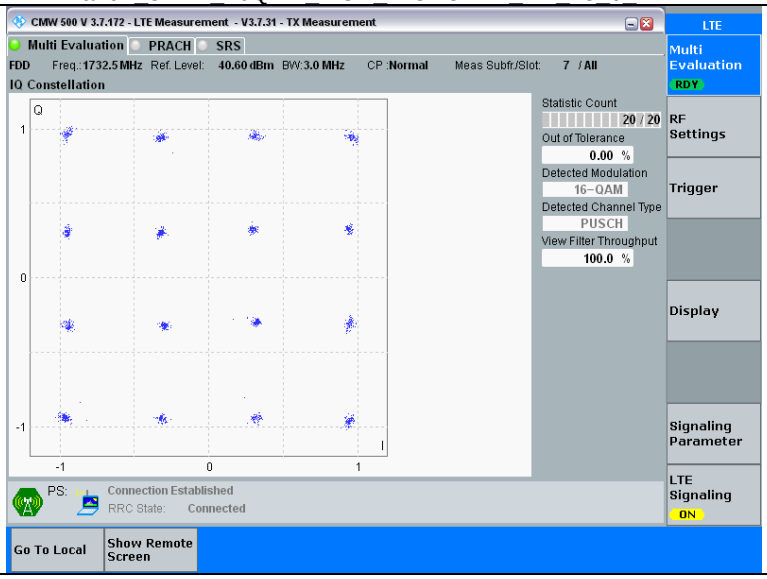
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

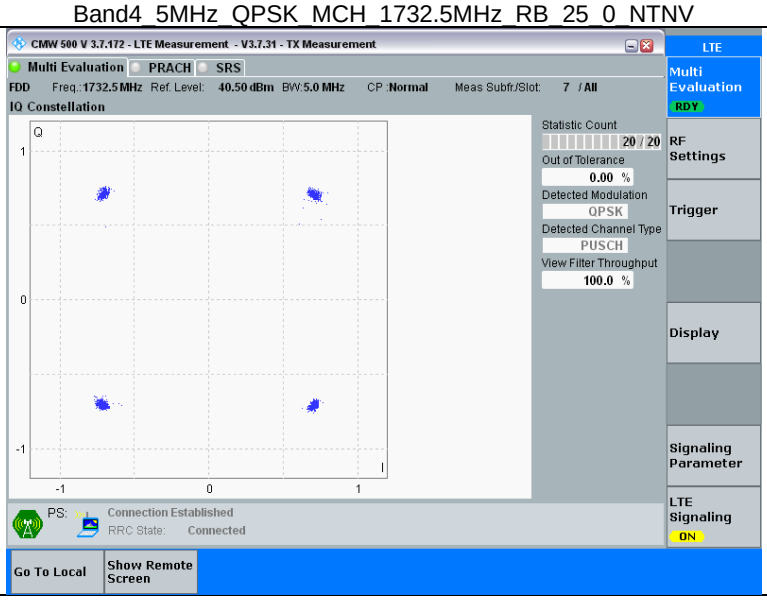


3.2.2 B4_3MHz

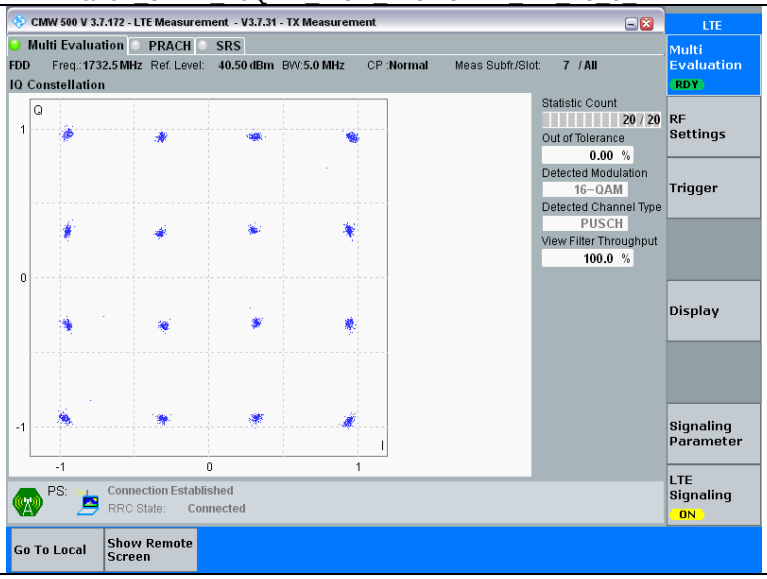
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


3.2.3 B4_5MHz

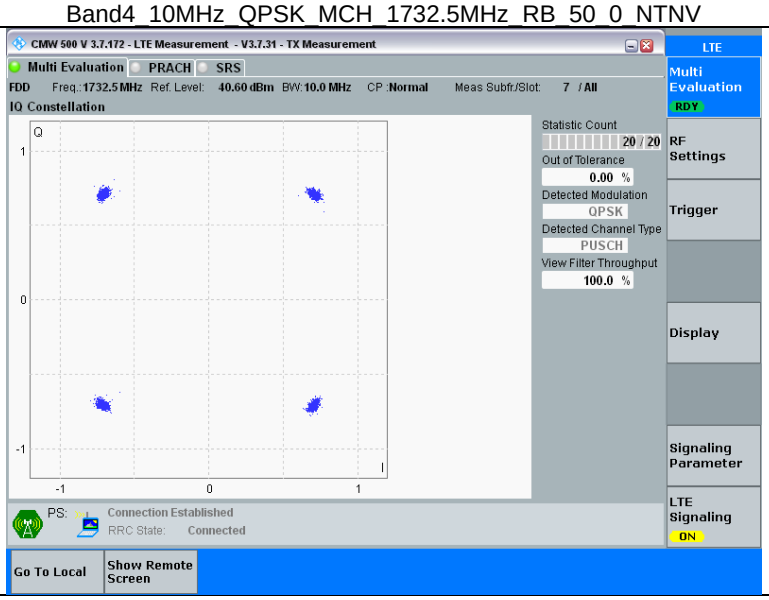
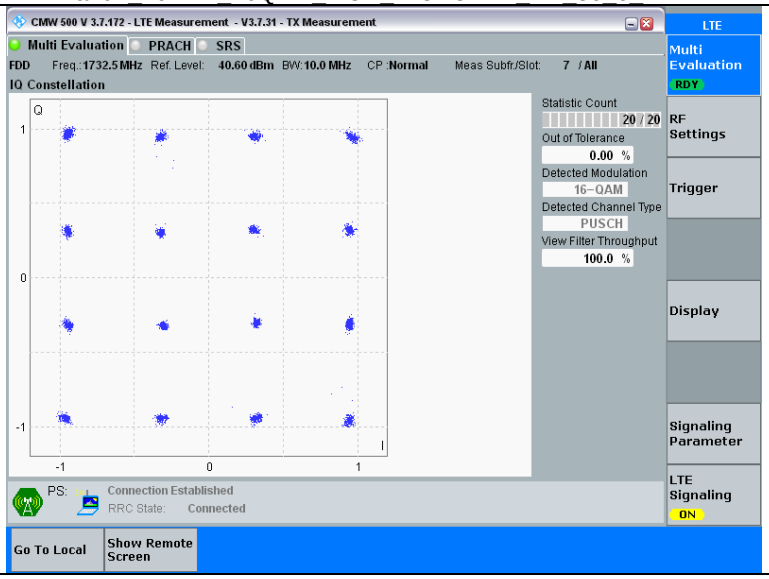
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



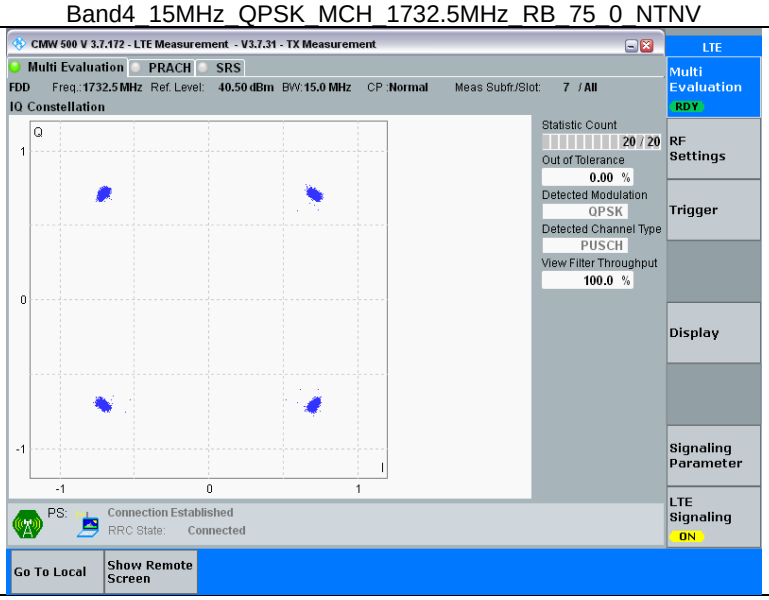
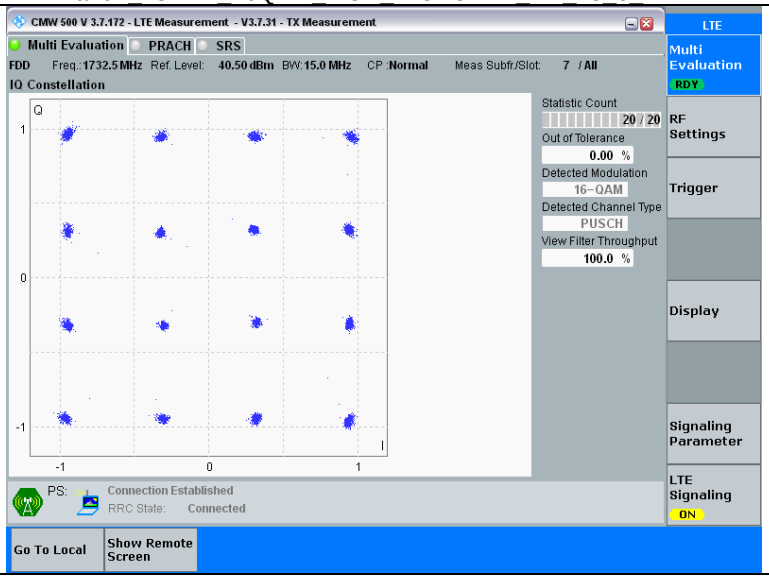
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



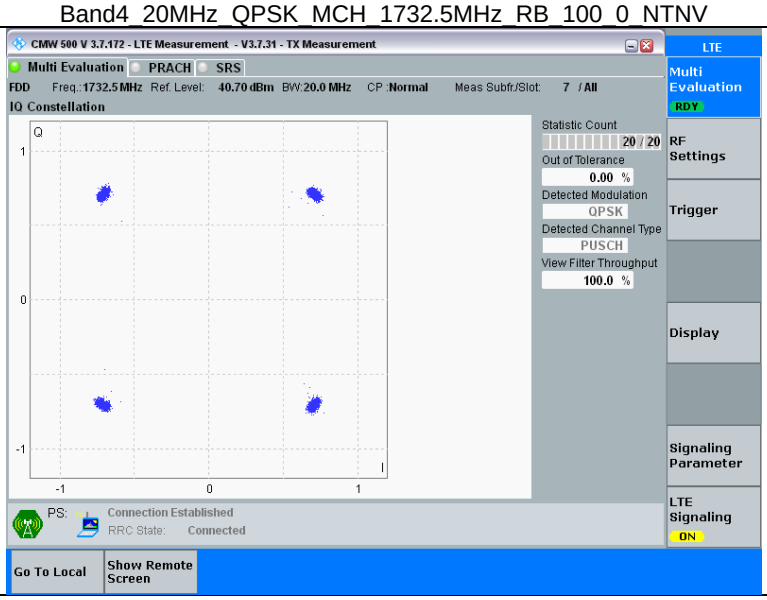
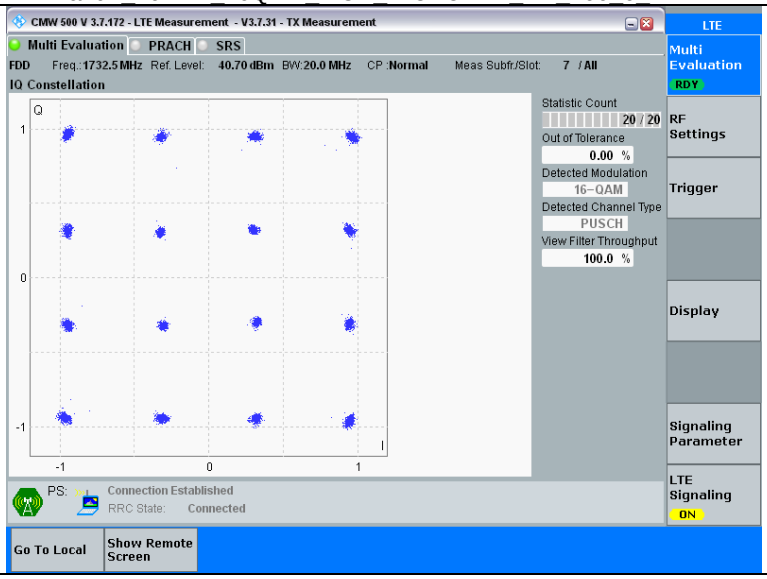
3.2.4 B4_10MHz

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	1.103	/	Pass
		1732.5	6	0	1.117	/	Pass
		1754.3	6	0	1.117	/	Pass
	16QAM	1710.7	6	0	1.121	/	Pass
		1732.5	6	0	1.111	/	Pass
		1754.3	6	0	1.107	/	Pass
3	QPSK	1711.5	15	0	2.726	/	Pass
		1732.5	15	0	2.731	/	Pass
		1753.5	15	0	2.722	/	Pass
	16QAM	1711.5	15	0	2.719	/	Pass
		1732.5	15	0	2.724	/	Pass
		1753.5	15	0	2.716	/	Pass
5	QPSK	1712.5	25	0	4.535	/	Pass
		1732.5	25	0	4.549	/	Pass
		1752.5	25	0	4.555	/	Pass
	16QAM	1712.5	25	0	4.556	/	Pass
		1732.5	25	0	4.523	/	Pass
		1752.5	25	0	4.554	/	Pass
10	QPSK	1715	50	0	9.044	/	Pass
		1732.5	50	0	9.076	/	Pass
		1750	50	0	9.036	/	Pass
	16QAM	1715	50	0	9.032	/	Pass
		1732.5	50	0	9.054	/	Pass
		1750	50	0	9.042	/	Pass
15	QPSK	1717.5	75	0	13.533	/	Pass
		1732.5	75	0	13.620	/	Pass
		1747.5	75	0	13.593	/	Pass
	16QAM	1717.5	75	0	13.525	/	Pass
		1732.5	75	0	13.616	/	Pass
		1747.5	75	0	13.620	/	Pass
20	QPSK	1720	100	0	18.114	/	Pass
		1732.5	100	0	18.194	/	Pass
		1745	100	0	18.178	/	Pass
	16QAM	1720	100	0	18.112	/	Pass
		1732.5	100	0	18.127	/	Pass
		1745	100	0	18.147	/	Pass

4.1.2 Band4_XDB

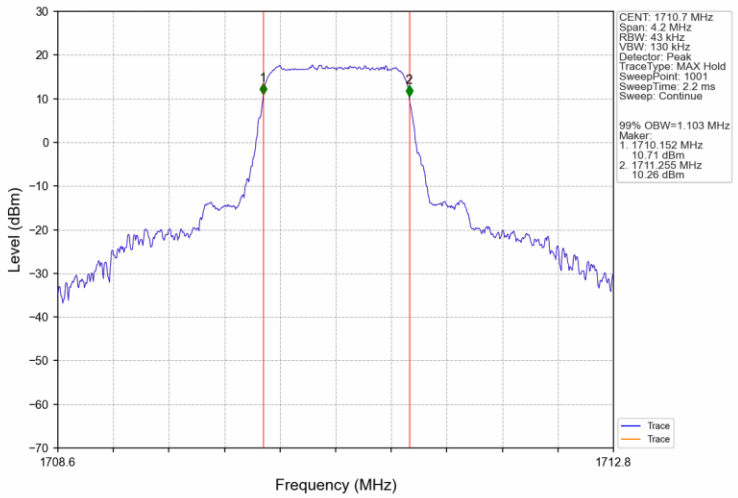
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.331	/	Pass
		1732.5	6	0	1.305	/	Pass
		1754.3	6	0	1.317	/	Pass

	16QAM	1710.7	6	0	1.345	/	Pass
		1732.5	6	0	1.332	/	Pass
		1754.3	6	0	1.325	/	Pass
3	QPSK	1711.5	15	0	2.996	/	Pass
		1732.5	15	0	3.005	/	Pass
		1753.5	15	0	2.993	/	Pass
	16QAM	1711.5	15	0	2.995	/	Pass
		1732.5	15	0	3.001	/	Pass
		1753.5	15	0	3.001	/	Pass
5	QPSK	1712.5	25	0	5.030	/	Pass
		1732.5	25	0	4.998	/	Pass
		1752.5	25	0	5.925	/	Pass
	16QAM	1712.5	25	0	5.002	/	Pass
		1732.5	25	0	4.979	/	Pass
		1752.5	25	0	5.526	/	Pass
10	QPSK	1715	50	0	9.956	/	Pass
		1732.5	50	0	9.934	/	Pass
		1750	50	0	9.923	/	Pass
	16QAM	1715	50	0	9.846	/	Pass
		1732.5	50	0	9.903	/	Pass
		1750	50	0	9.942	/	Pass
15	QPSK	1717.5	75	0	14.877	/	Pass
		1732.5	75	0	14.936	/	Pass
		1747.5	75	0	14.878	/	Pass
	16QAM	1717.5	75	0	14.941	/	Pass
		1732.5	75	0	14.894	/	Pass
		1747.5	75	0	14.892	/	Pass
20	QPSK	1720	100	0	19.653	/	Pass
		1732.5	100	0	19.757	/	Pass
		1745	100	0	19.874	/	Pass
	16QAM	1720	100	0	19.692	/	Pass
		1732.5	100	0	19.585	/	Pass
		1745	100	0	19.803	/	Pass

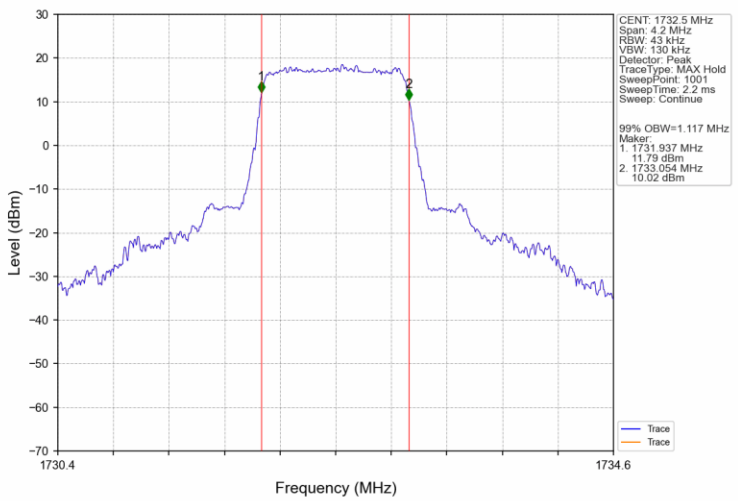
4.2 Test Graph

4.2.1 Band4_OBW

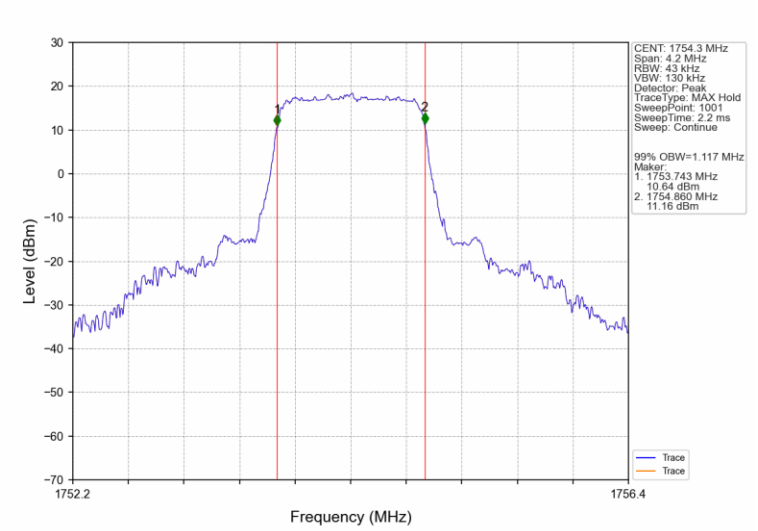
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



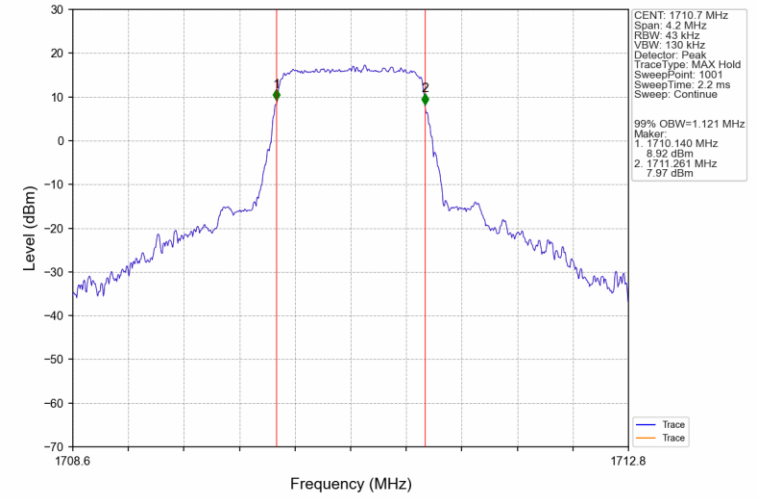
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



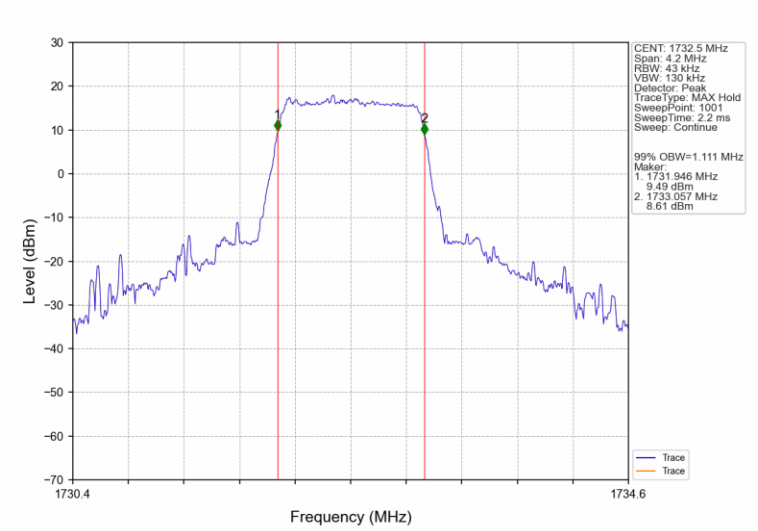
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



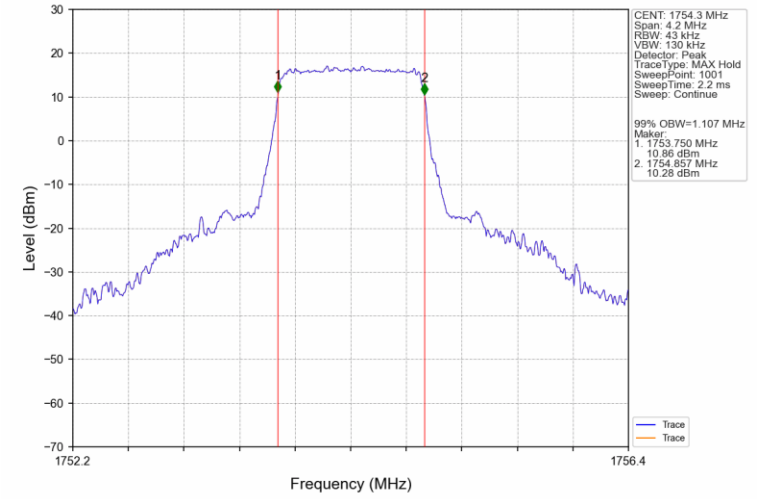
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



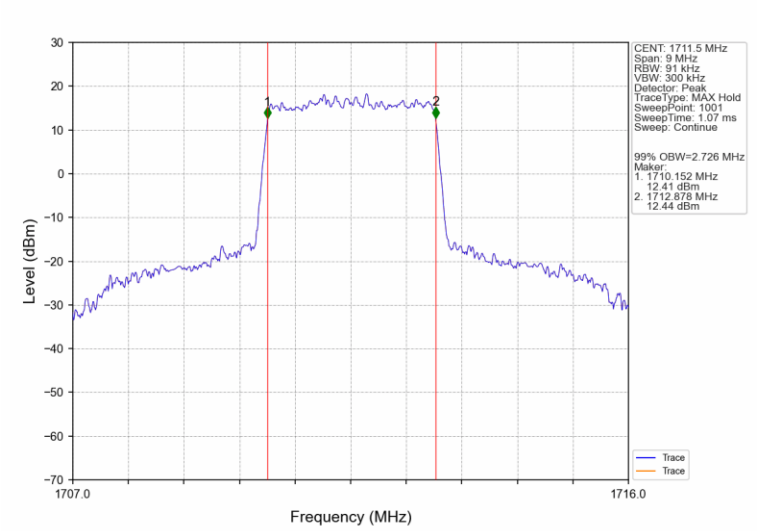
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



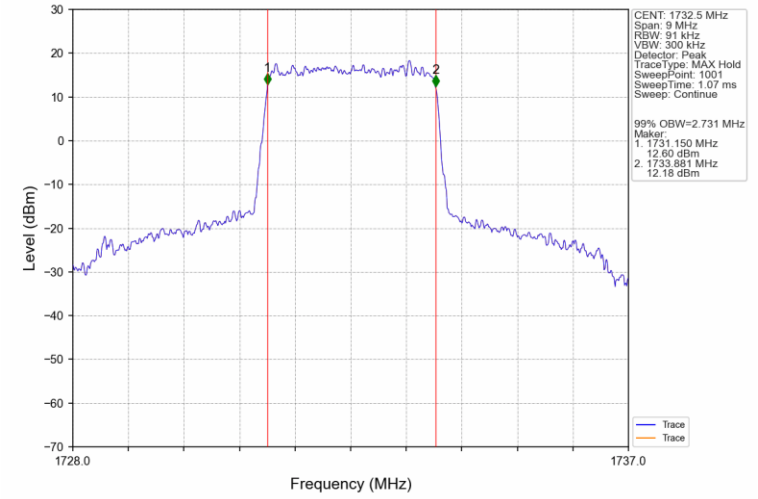
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



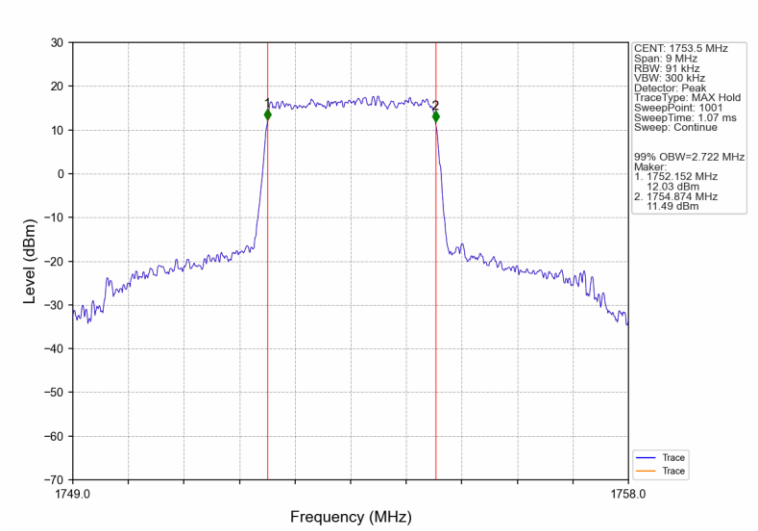
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



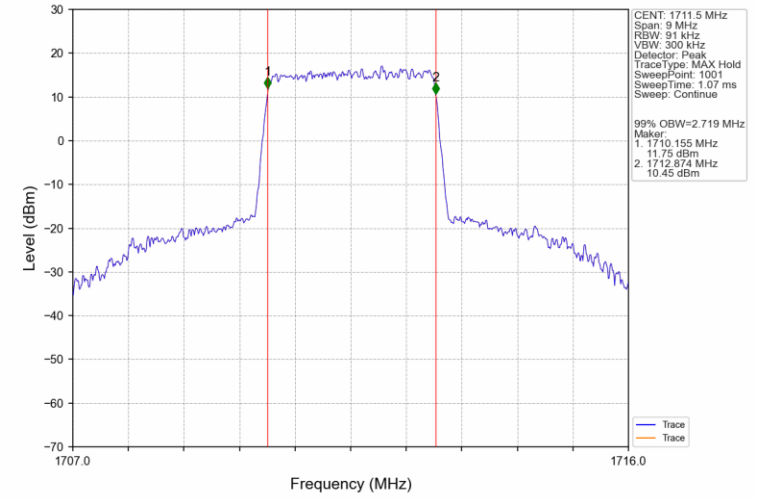
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



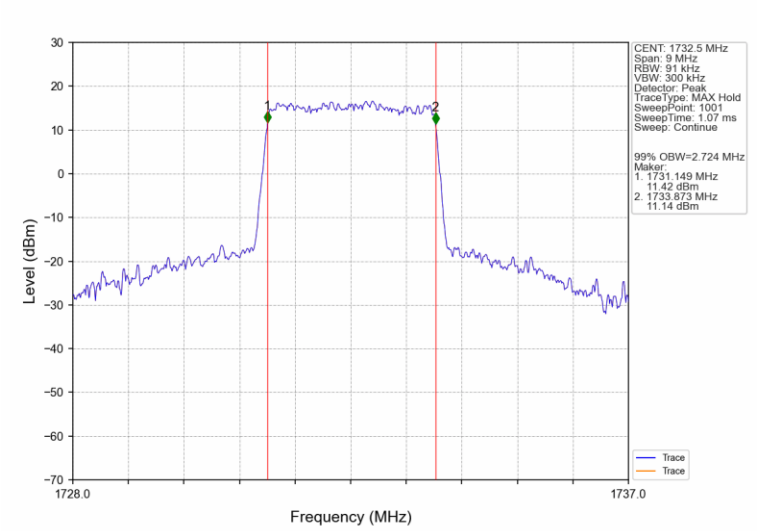
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



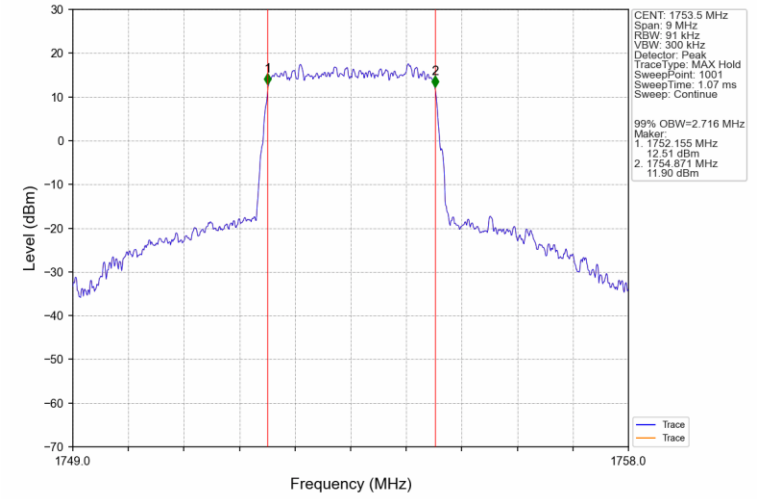
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



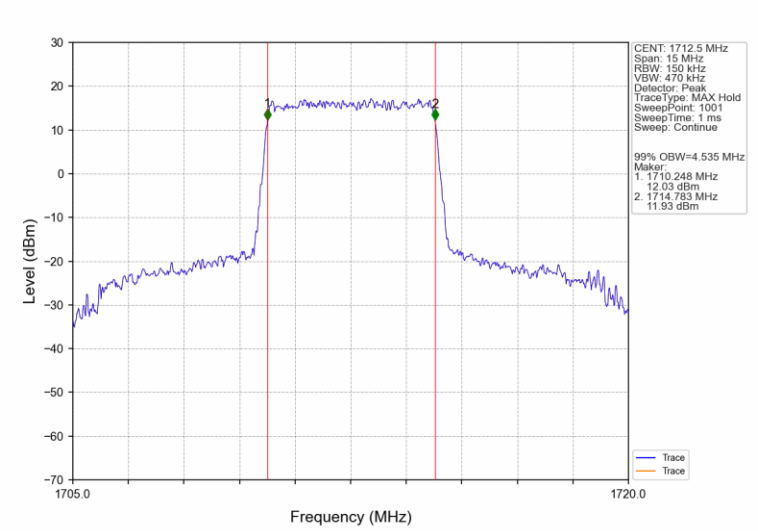
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



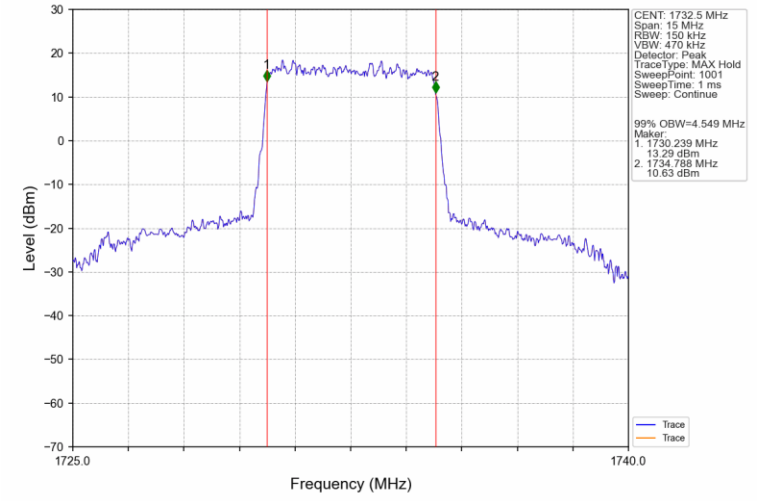
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



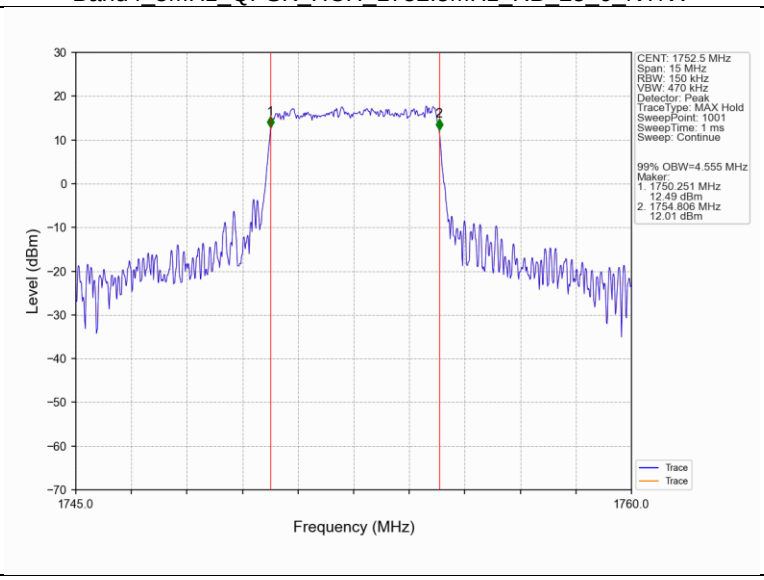
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



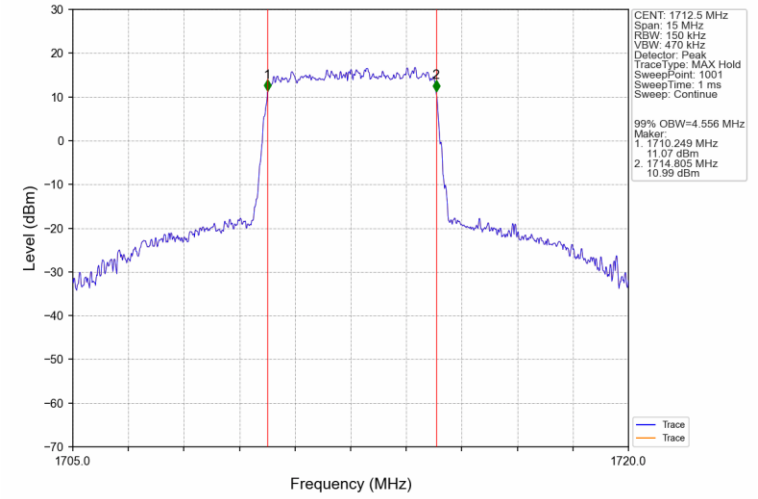
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



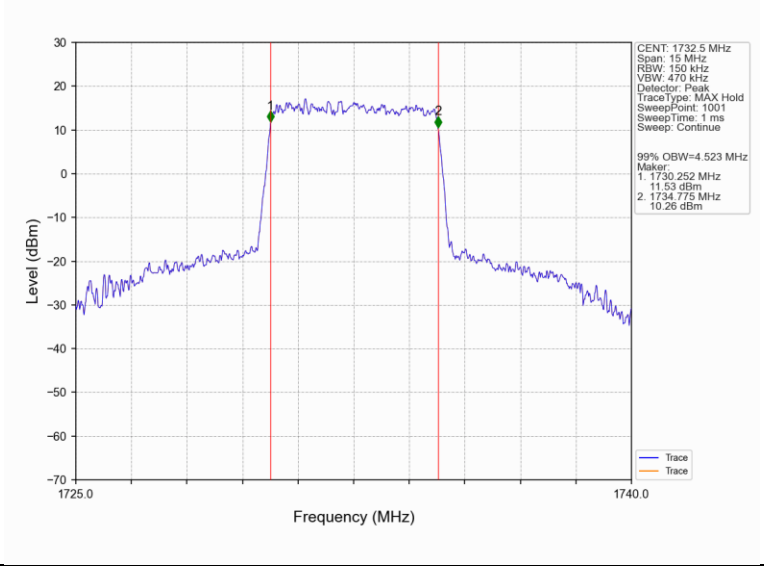
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



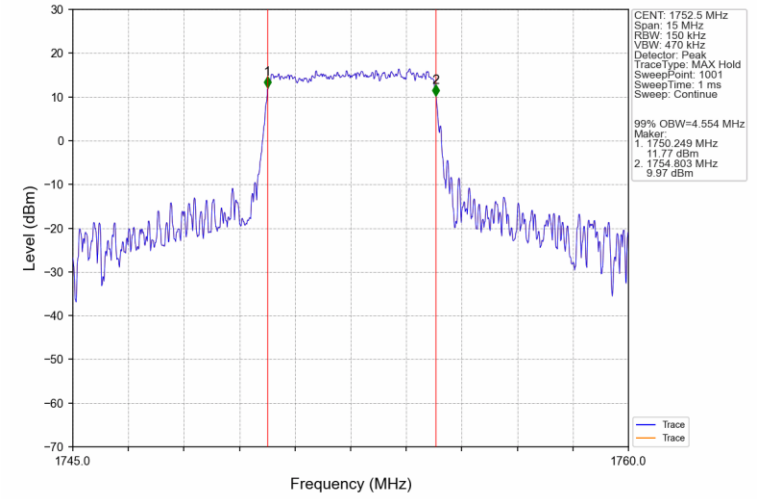
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



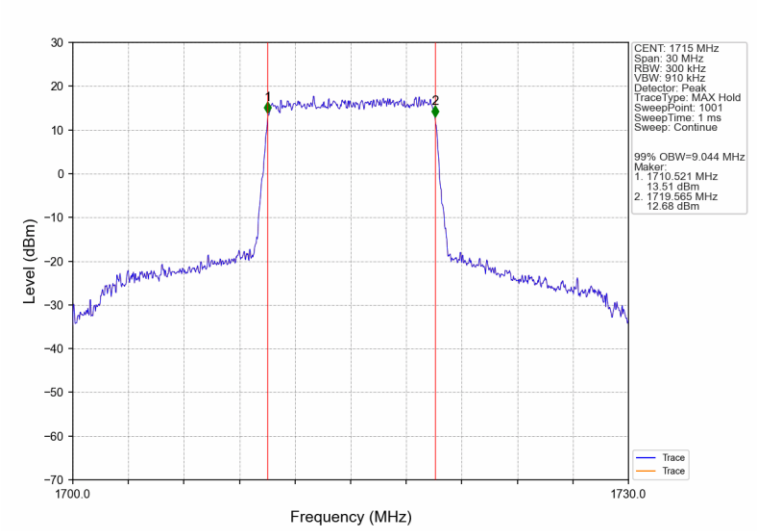
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



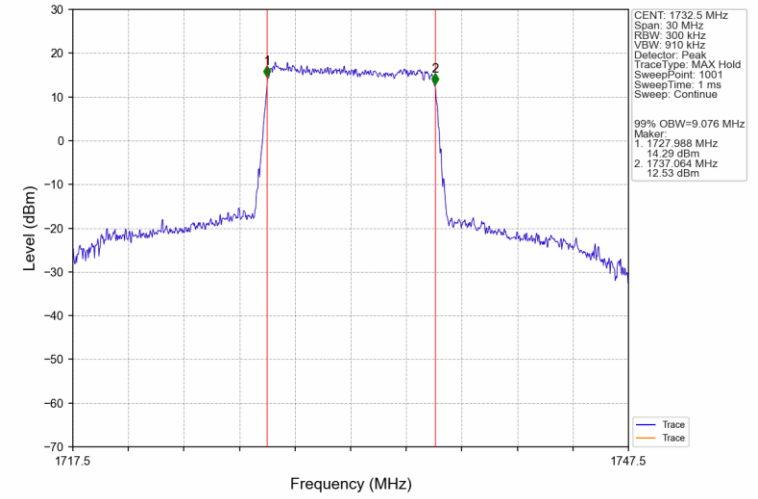
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



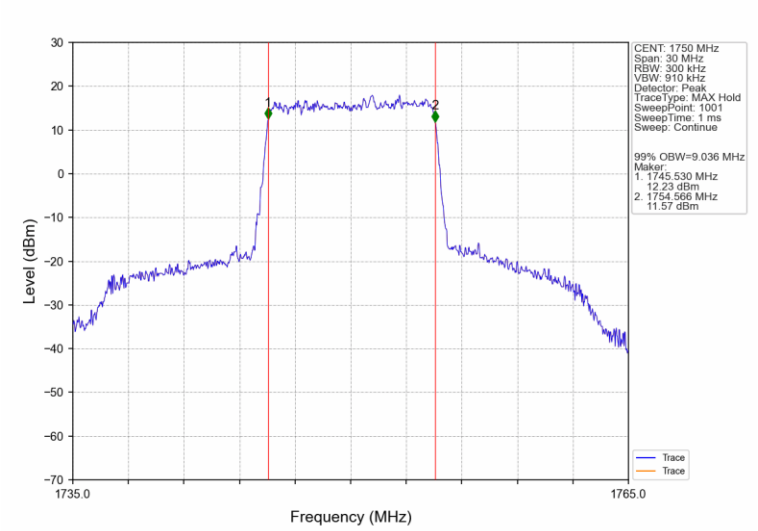
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



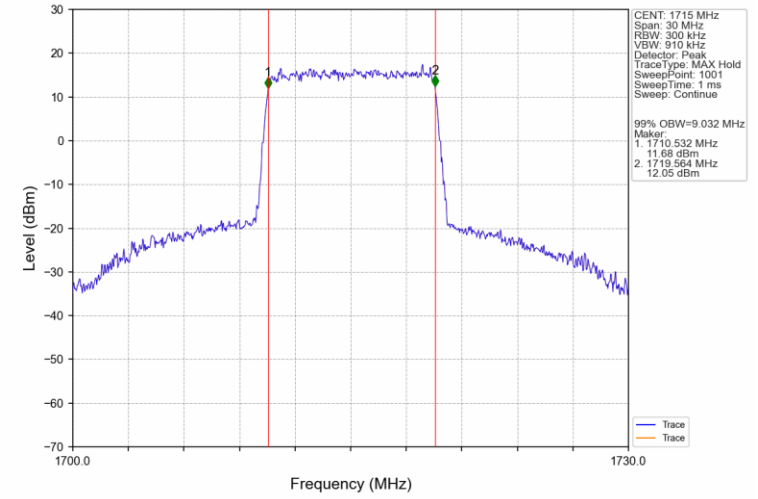
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



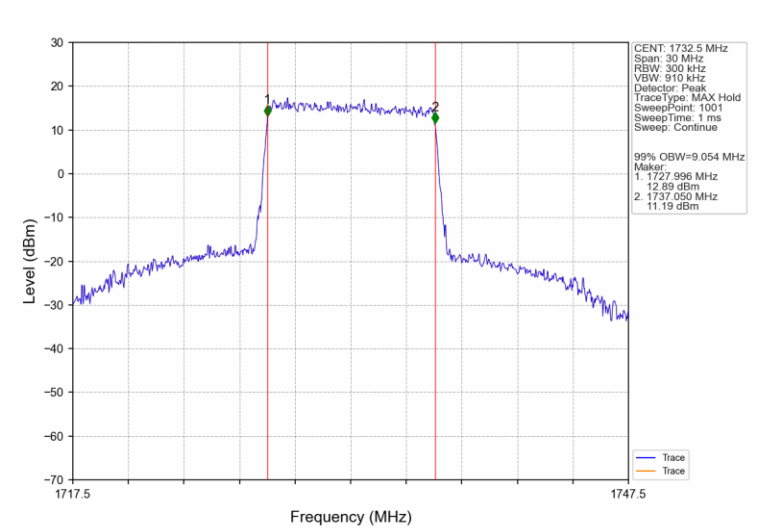
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



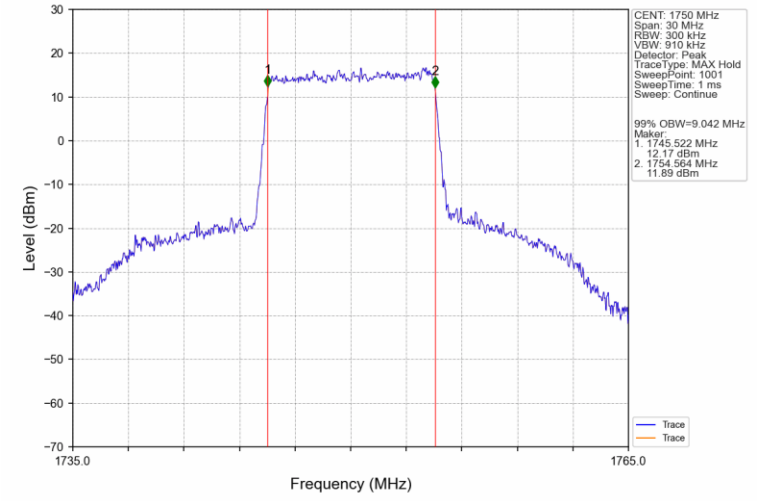
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



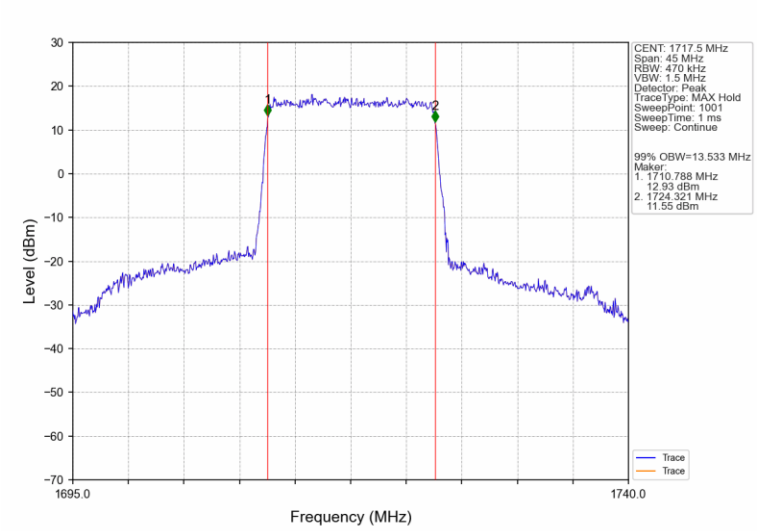
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



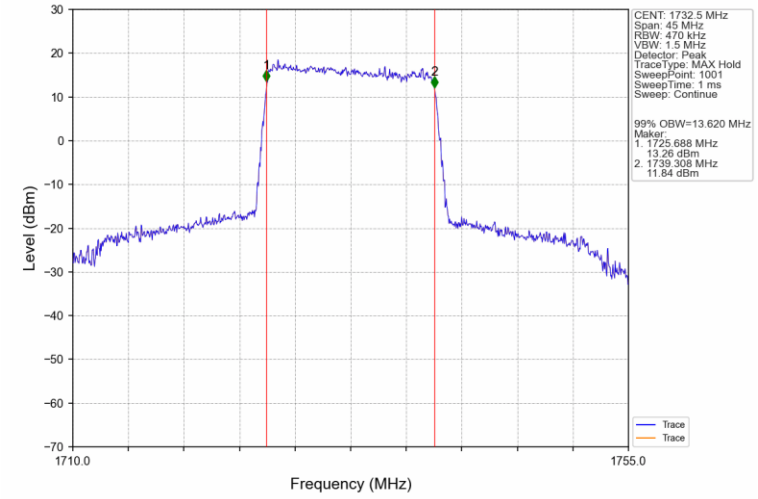
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



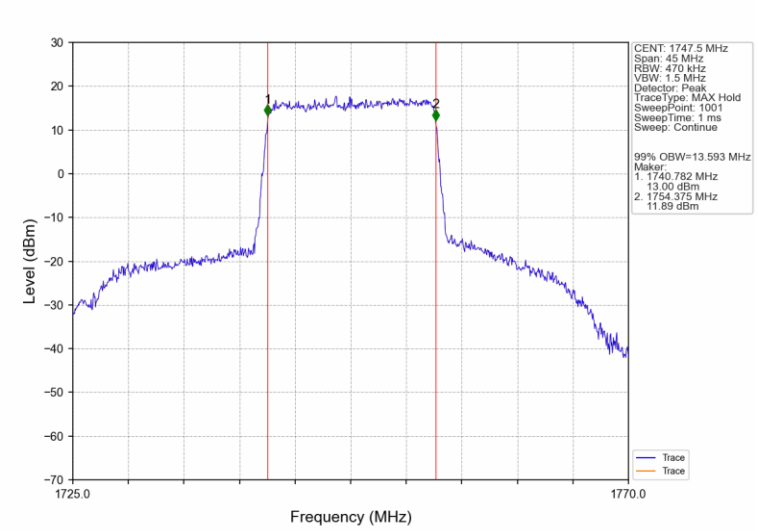
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



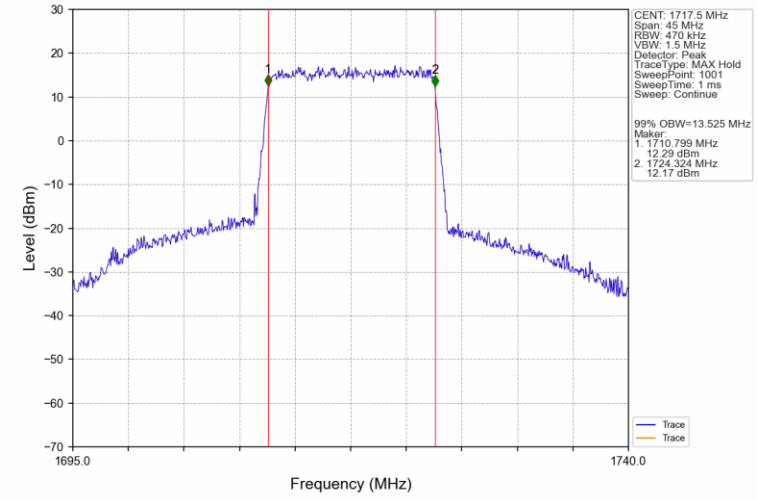
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



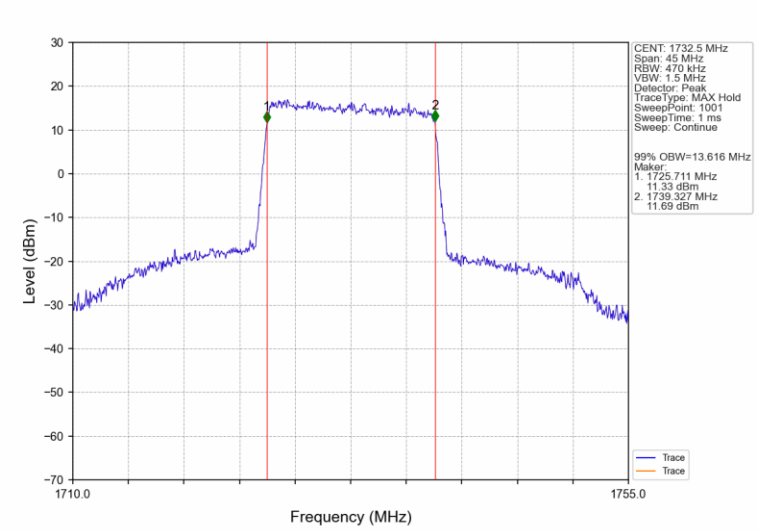
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



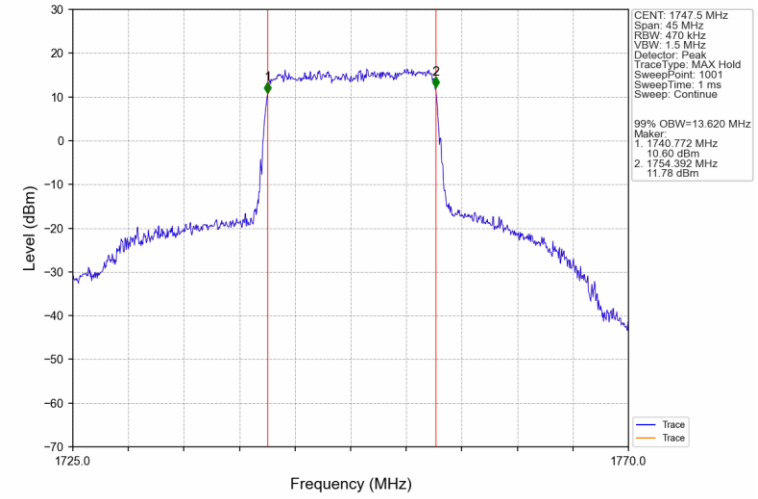
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

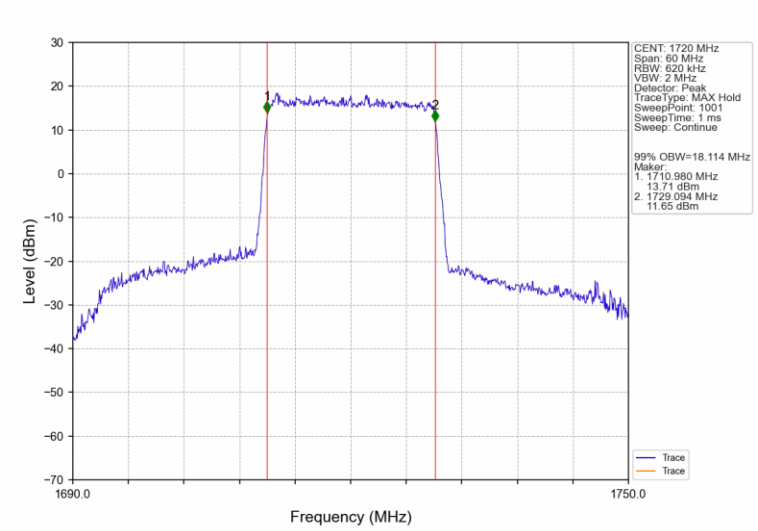
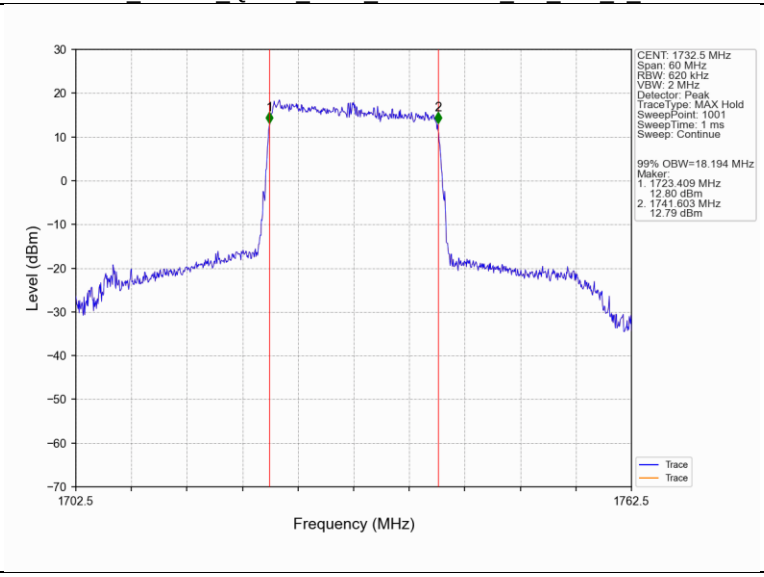


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

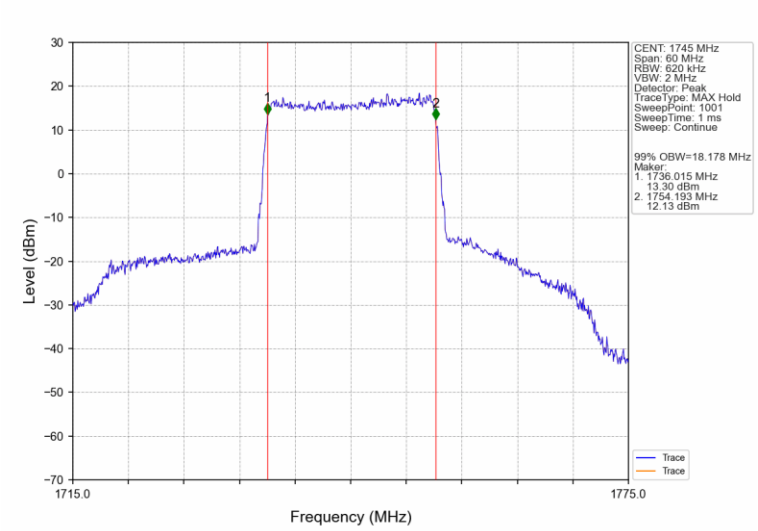


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

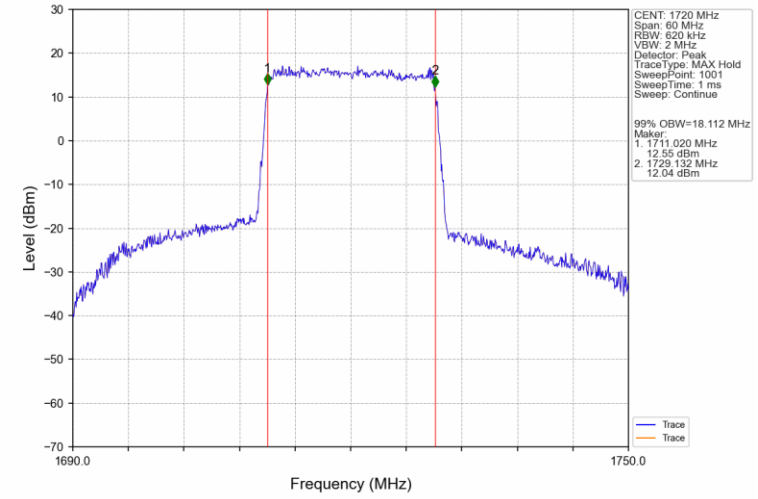


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV


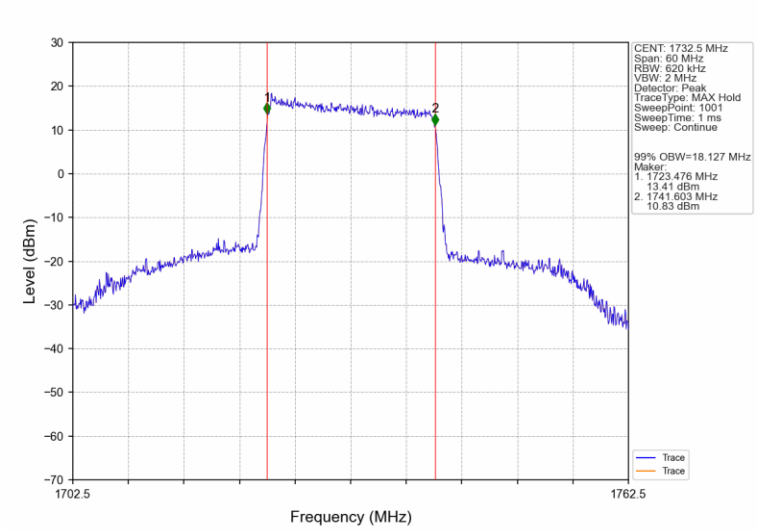
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



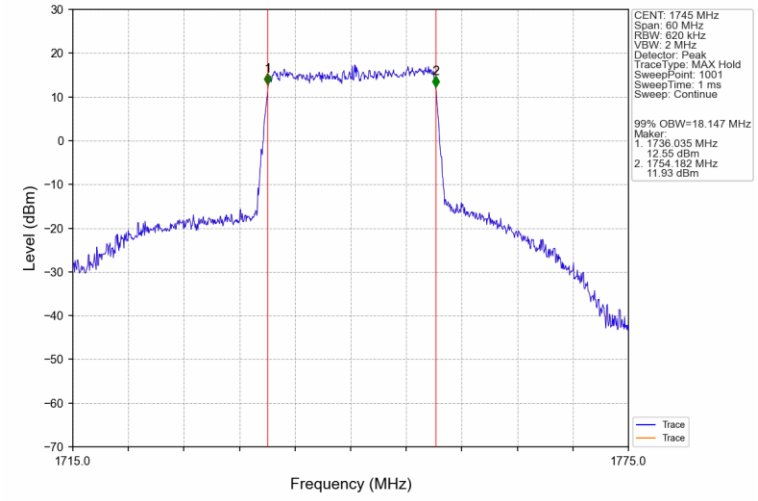
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

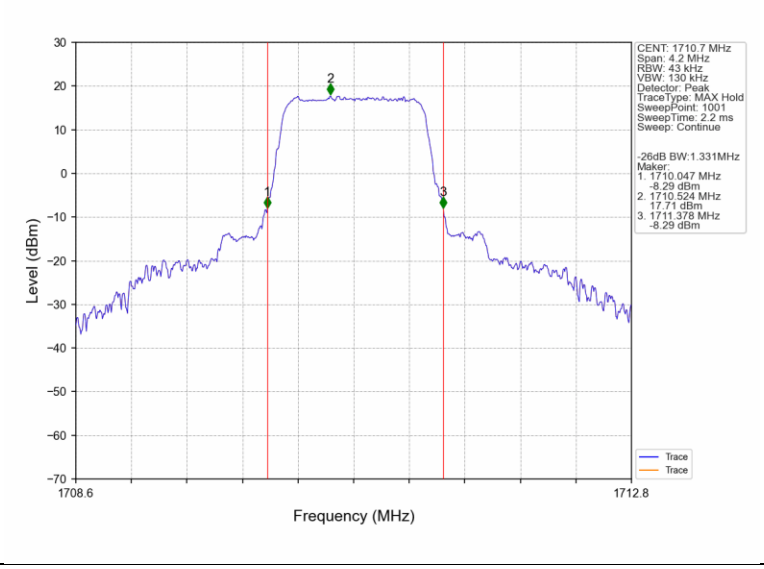


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

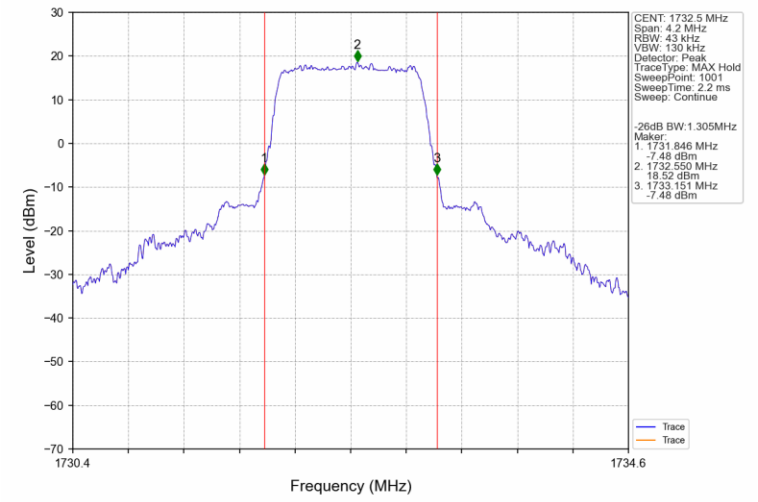


4.2.2 Band4_XDB

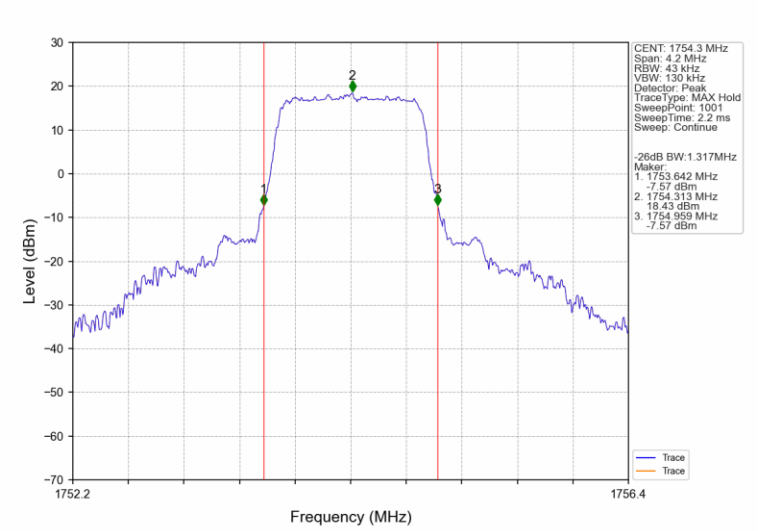
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



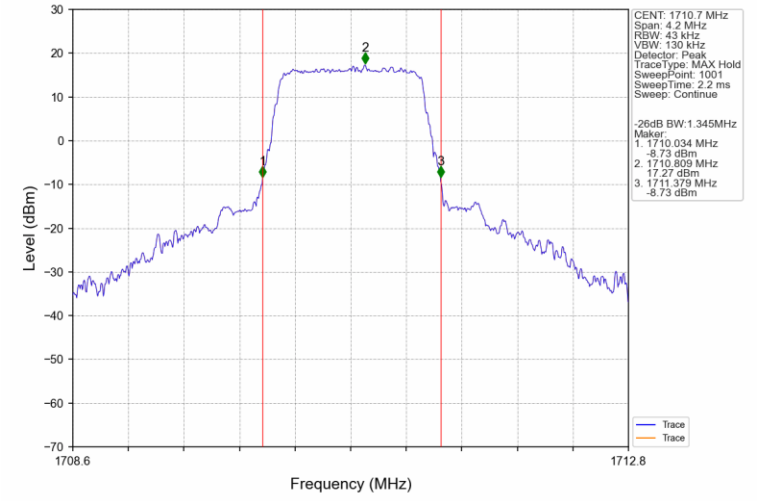
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



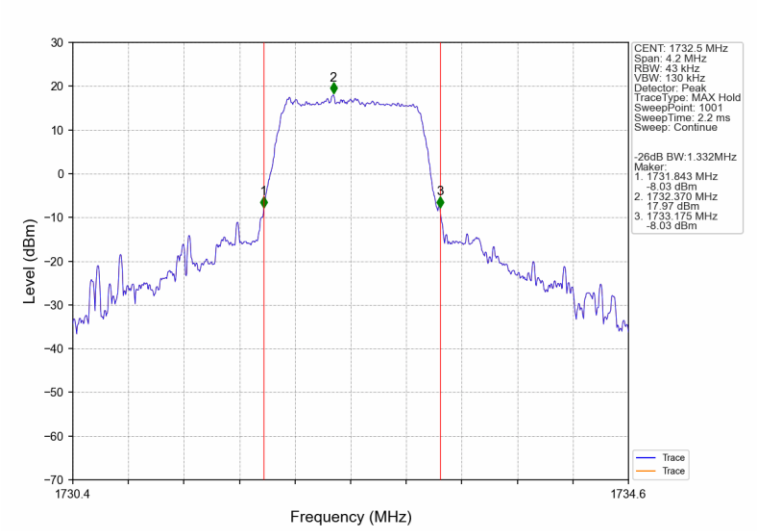
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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