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	23.90	-0.86	23.04	<=30	Pass
			2	23.90	-0.86	23.04	<=30	Pass
			5	23.89	-0.86	23.03	<=30	Pass
		3	0	23.91	-0.86	23.05	<=30	Pass
			2	23.81	-0.86	22.95	<=30	Pass
			3	23.77	-0.86	22.91	<=30	Pass
		6	0	22.83	-0.86	21.97	<=30	Pass
	1732.5	1	0	24.07	-0.86	23.21	<=30	Pass
			2	24.01	-0.86	23.15	<=30	Pass
			5	24.08	-0.86	23.22	<=30	Pass
		3	0	23.95	-0.86	23.09	<=30	Pass
			2	24.00	-0.86	23.14	<=30	Pass
			3	23.94	-0.86	23.08	<=30	Pass
		6	0	22.96	-0.86	22.10	<=30	Pass
	1754.3	1	0	23.98	-0.86	23.12	<=30	Pass
			2	24.01	-0.86	23.15	<=30	Pass
			5	23.97	-0.86	23.11	<=30	Pass
		3	0	23.97	-0.86	23.11	<=30	Pass
			2	24.02	-0.86	23.16	<=30	Pass
			3	23.95	-0.86	23.09	<=30	Pass
		6	0	22.82	-0.86	21.96	<=30	Pass
16QAM	1710.7	1	0	22.82	-0.86	21.96	<=30	Pass
			2	22.81	-0.86	21.95	<=30	Pass
			5	22.84	-0.86	21.98	<=30	Pass
		3	0	22.76	-0.86	21.90	<=30	Pass
			2	22.66	-0.86	21.80	<=30	Pass
			3	22.66	-0.86	21.80	<=30	Pass
		6	0	21.80	-0.86	20.94	<=30	Pass
	1732.5	1	0	23.66	-0.86	22.80	<=30	Pass
			2	23.64	-0.86	22.78	<=30	Pass
			5	23.66	-0.86	22.80	<=30	Pass
		3	0	23.12	-0.86	22.26	<=30	Pass
			2	23.03	-0.86	22.17	<=30	Pass
			3	23.13	-0.86	22.27	<=30	Pass
		6	0	22.05	-0.86	21.19	<=30	Pass
	1754.3	1	0	23.50	-0.86	22.64	<=30	Pass
			2	23.54	-0.86	22.68	<=30	Pass
			5	23.50	-0.86	22.64	<=30	Pass
		3	0	22.61	-0.86	21.75	<=30	Pass
			2	22.55	-0.86	21.69	<=30	Pass
			3	22.51	-0.86	21.65	<=30	Pass
		6	0	21.91	-0.86	21.05	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.79	-0.86	22.93	<=30	Pass
			7	23.79	-0.86	22.93	<=30	Pass
			14	23.69	-0.86	22.83	<=30	Pass
		8	0	22.83	-0.86	21.97	<=30	Pass
			4	22.90	-0.86	22.04	<=30	Pass
			7	22.87	-0.86	22.01	<=30	Pass
		15	0	22.86	-0.86	22.00	<=30	Pass
	1732.5	1	0	24.06	-0.86	23.20	<=30	Pass
			7	24.05	-0.86	23.19	<=30	Pass
			14	24.00	-0.86	23.14	<=30	Pass
		8	0	22.98	-0.86	22.12	<=30	Pass
			4	23.03	-0.86	22.17	<=30	Pass
			7	23.00	-0.86	22.14	<=30	Pass
		15	0	22.98	-0.86	22.12	<=30	Pass
	1753.5	1	0	23.81	-0.86	22.95	<=30	Pass
			7	23.88	-0.86	23.02	<=30	Pass
			14	23.85	-0.86	22.99	<=30	Pass
		8	0	22.87	-0.86	22.01	<=30	Pass
			4	22.90	-0.86	22.04	<=30	Pass
			7	22.85	-0.86	21.99	<=30	Pass
		15	0	22.86	-0.86	22.00	<=30	Pass
16QAM	1711.5	1	0	23.56	-0.86	22.70	<=30	Pass
			7	23.53	-0.86	22.67	<=30	Pass
			14	23.51	-0.86	22.65	<=30	Pass
		8	0	21.98	-0.86	21.12	<=30	Pass
			4	22.00	-0.86	21.14	<=30	Pass
			7	21.98	-0.86	21.12	<=30	Pass
		15	0	21.88	-0.86	21.02	<=30	Pass
	1732.5	1	0	23.02	-0.86	22.16	<=30	Pass
			7	23.00	-0.86	22.14	<=30	Pass
			14	22.93	-0.86	22.07	<=30	Pass
		8	0	22.12	-0.86	21.26	<=30	Pass
			4	22.15	-0.86	21.29	<=30	Pass
			7	22.15	-0.86	21.29	<=30	Pass
		15	0	22.03	-0.86	21.17	<=30	Pass
	1753.5	1	0	23.62	-0.86	22.76	<=30	Pass
			7	23.62	-0.86	22.76	<=30	Pass
			14	23.68	-0.86	22.82	<=30	Pass
		8	0	21.90	-0.86	21.04	<=30	Pass
			4	22.16	-0.86	21.30	<=30	Pass
			7	22.07	-0.86	21.21	<=30	Pass
		15	0	21.90	-0.86	21.04	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.73	-0.86	22.87	<=30	Pass
			13	23.67	-0.86	22.81	<=30	Pass
			24	23.76	-0.86	22.90	<=30	Pass
		12	0	22.83	-0.86	21.97	<=30	Pass
			6	22.81	-0.86	21.95	<=30	Pass
			13	22.71	-0.86	21.85	<=30	Pass
		25	0	22.80	-0.86	21.94	<=30	Pass

	1732.5	1	0	24.03	-0.86	23.17	<=30	Pass
			13	23.81	-0.86	22.95	<=30	Pass
			24	23.88	-0.86	23.02	<=30	Pass
		12	0	23.00	-0.86	22.14	<=30	Pass
			6	22.93	-0.86	22.07	<=30	Pass
			13	23.06	-0.86	22.20	<=30	Pass
		25	0	23.04	-0.86	22.18	<=30	Pass
	1752.5	1	0	23.97	-0.86	23.11	<=30	Pass
			13	23.93	-0.86	23.07	<=30	Pass
			24	23.94	-0.86	23.08	<=30	Pass
		12	0	22.98	-0.86	22.12	<=30	Pass
			6	22.91	-0.86	22.05	<=30	Pass
			13	22.89	-0.86	22.03	<=30	Pass
		25	0	22.95	-0.86	22.09	<=30	Pass
16QAM	1712.5	1	0	22.49	-0.86	21.63	<=30	Pass
			13	22.47	-0.86	21.61	<=30	Pass
			24	22.48	-0.86	21.62	<=30	Pass
		12	0	21.76	-0.86	20.90	<=30	Pass
			6	21.68	-0.86	20.82	<=30	Pass
			13	21.78	-0.86	20.92	<=30	Pass
		25	0	21.81	-0.86	20.95	<=30	Pass
	1732.5	1	0	23.55	-0.86	22.69	<=30	Pass
			13	23.62	-0.86	22.76	<=30	Pass
			24	23.62	-0.86	22.76	<=30	Pass
		12	0	22.05	-0.86	21.19	<=30	Pass
			6	21.98	-0.86	21.12	<=30	Pass
			13	21.95	-0.86	21.09	<=30	Pass
		25	0	22.05	-0.86	21.19	<=30	Pass
	1752.5	1	0	23.14	-0.86	22.28	<=30	Pass
			13	23.13	-0.86	22.27	<=30	Pass
			24	23.09	-0.86	22.23	<=30	Pass
		12	0	21.82	-0.86	20.96	<=30	Pass
			6	21.76	-0.86	20.90	<=30	Pass
			13	21.77	-0.86	20.91	<=30	Pass
		25	0	21.83	-0.86	20.97	<=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	23.75	-0.86	22.89	<=30	Pass
			25	23.72	-0.86	22.86	<=30	Pass
			49	23.78	-0.86	22.92	<=30	Pass
		25	0	22.70	-0.86	21.84	<=30	Pass
			13	22.88	-0.86	22.02	<=30	Pass
			25	22.86	-0.86	22.00	<=30	Pass
		50	0	22.92	-0.86	22.06	<=30	Pass
	1732.5	1	0	23.78	-0.86	22.92	<=30	Pass
			25	23.88	-0.86	23.02	<=30	Pass
			49	23.95	-0.86	23.09	<=30	Pass
		25	0	23.01	-0.86	22.15	<=30	Pass
			13	23.02	-0.86	22.16	<=30	Pass
			25	23.01	-0.86	22.15	<=30	Pass
		50	0	23.06	-0.86	22.20	<=30	Pass
	1750	1	0	23.98	-0.86	23.12	<=30	Pass
			25	23.95	-0.86	23.09	<=30	Pass

			49	23.97	-0.86	23.11	<=30	Pass
		25	0	22.90	-0.86	22.04	<=30	Pass
			13	22.91	-0.86	22.05	<=30	Pass
			25	22.88	-0.86	22.02	<=30	Pass
		50	0	22.96	-0.86	22.10	<=30	Pass
16QAM	1715	1	0	23.52	-0.86	22.66	<=30	Pass
			25	23.53	-0.86	22.67	<=30	Pass
			49	23.60	-0.86	22.74	<=30	Pass
		25	0	21.77	-0.86	20.91	<=30	Pass
			13	21.82	-0.86	20.96	<=30	Pass
			25	21.91	-0.86	21.05	<=30	Pass
		50	0	21.86	-0.86	21.00	<=30	Pass
	1732.5	1	0	23.17	-0.86	22.31	<=30	Pass
			25	23.26	-0.86	22.40	<=30	Pass
			49	23.23	-0.86	22.37	<=30	Pass
		25	0	22.03	-0.86	21.17	<=30	Pass
			13	22.10	-0.86	21.24	<=30	Pass
			25	22.20	-0.86	21.34	<=30	Pass
		50	0	21.98	-0.86	21.12	<=30	Pass
	1750	1	0	24.28	-0.86	23.42	<=30	Pass
			25	24.27	-0.86	23.41	<=30	Pass
			49	24.33	-0.86	23.47	<=30	Pass
		25	0	21.95	-0.86	21.09	<=30	Pass
			13	21.99	-0.86	21.13	<=30	Pass
			25	21.96	-0.86	21.10	<=30	Pass
		50	0	22.00	-0.86	21.14	<=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	23.82	-0.86	22.96	<=30	Pass
			38	23.86	-0.86	23.00	<=30	Pass
			74	23.89	-0.86	23.03	<=30	Pass
		36	0	22.82	-0.86	21.96	<=30	Pass
			18	22.86	-0.86	22.00	<=30	Pass
			39	22.80	-0.86	21.94	<=30	Pass
		75	0	22.79	-0.86	21.93	<=30	Pass
	1732.5	1	0	23.77	-0.86	22.91	<=30	Pass
			38	23.78	-0.86	22.92	<=30	Pass
			74	23.90	-0.86	23.04	<=30	Pass
		36	0	22.97	-0.86	22.11	<=30	Pass
			18	22.95	-0.86	22.09	<=30	Pass
			39	22.91	-0.86	22.05	<=30	Pass
		75	0	23.04	-0.86	22.18	<=30	Pass
	1747.5	1	0	24.01	-0.86	23.15	<=30	Pass
			38	23.96	-0.86	23.10	<=30	Pass
			74	23.95	-0.86	23.09	<=30	Pass
		36	0	22.97	-0.86	22.11	<=30	Pass
			18	22.93	-0.86	22.07	<=30	Pass
			39	22.98	-0.86	22.12	<=30	Pass
		75	0	22.89	-0.86	22.03	<=30	Pass
16QAM	1717.5	1	0	23.74	-0.86	22.88	<=30	Pass
			38	23.81	-0.86	22.95	<=30	Pass
			74	23.76	-0.86	22.90	<=30	Pass
		36	0	21.74	-0.86	20.88	<=30	Pass

			18	21.78	-0.86	20.92	<=30	Pass
			39	21.77	-0.86	20.91	<=30	Pass
		75	0	21.81	-0.86	20.95	<=30	Pass
	1732.5	1	0	23.43	-0.86	22.57	<=30	Pass
			38	23.57	-0.86	22.71	<=30	Pass
			74	23.56	-0.86	22.70	<=30	Pass
		36	0	21.90	-0.86	21.04	<=30	Pass
			18	21.98	-0.86	21.12	<=30	Pass
			39	21.96	-0.86	21.10	<=30	Pass
		75	0	21.99	-0.86	21.13	<=30	Pass
	1747.5	1	0	24.35	-0.86	23.49	<=30	Pass
			38	24.27	-0.86	23.41	<=30	Pass
			74	24.28	-0.86	23.42	<=30	Pass
		36	0	21.96	-0.86	21.10	<=30	Pass
			18	21.91	-0.86	21.05	<=30	Pass
			39	21.93	-0.86	21.07	<=30	Pass
		75	0	21.94	-0.86	21.08	<=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	23.75	-0.86	22.89	<=30	Pass
			50	23.80	-0.86	22.94	<=30	Pass
			99	23.83	-0.86	22.97	<=30	Pass
		50	0	22.72	-0.86	21.86	<=30	Pass
			25	22.76	-0.86	21.90	<=30	Pass
			50	22.91	-0.86	22.05	<=30	Pass
		100	0	22.79	-0.86	21.93	<=30	Pass
	1732.5	1	0	23.90	-0.86	23.04	<=30	Pass
			50	23.99	-0.86	23.13	<=30	Pass
			99	24.03	-0.86	23.17	<=30	Pass
		50	0	22.94	-0.86	22.08	<=30	Pass
			25	23.06	-0.86	22.20	<=30	Pass
			50	22.86	-0.86	22.00	<=30	Pass
		100	0	22.98	-0.86	22.12	<=30	Pass
	1745	1	0	24.23	-0.86	23.37	<=30	Pass
			50	24.23	-0.86	23.37	<=30	Pass
			99	24.17	-0.86	23.31	<=30	Pass
		50	0	23.03	-0.86	22.17	<=30	Pass
			25	22.96	-0.86	22.10	<=30	Pass
			50	22.92	-0.86	22.06	<=30	Pass
		100	0	22.97	-0.86	22.11	<=30	Pass
16QAM	1720	1	0	23.37	-0.86	22.51	<=30	Pass
			50	23.45	-0.86	22.59	<=30	Pass
			99	23.47	-0.86	22.61	<=30	Pass
		50	0	21.88	-0.86	21.02	<=30	Pass
			25	21.90	-0.86	21.04	<=30	Pass
			50	21.86	-0.86	21.00	<=30	Pass
		100	0	21.86	-0.86	21.00	<=30	Pass
	1732.5	1	0	24.16	-0.86	23.30	<=30	Pass
			50	24.26	-0.86	23.40	<=30	Pass
			99	24.32	-0.86	23.46	<=30	Pass
		50	0	21.89	-0.86	21.03	<=30	Pass
			25	22.01	-0.86	21.15	<=30	Pass
			50	21.93	-0.86	21.07	<=30	Pass

		100	0	22.07	-0.86	21.21	<=30	Pass
	1745	1	0	23.36	-0.86	22.50	<=30	Pass
			50	23.40	-0.86	22.54	<=30	Pass
			99	23.32	-0.86	22.46	<=30	Pass
		50	0	21.97	-0.86	21.11	<=30	Pass
			25	21.82	-0.86	20.96	<=30	Pass
			50	21.98	-0.86	21.12	<=30	Pass
		100	0	21.89	-0.86	21.03	<=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	3.23	-26.479	-0.0155	-2.5 to 2.5	Pass
					3.80	-33.002	-0.0193	-2.5 to 2.5	Pass
					4.37	-16.694	-0.0098	-2.5 to 2.5	Pass
				-30	3.80	-17.009	-0.0099	-2.5 to 2.5	Pass
				-20	3.80	-16.365	-0.0096	-2.5 to 2.5	Pass
				-10	3.80	-36.635	-0.0214	-2.5 to 2.5	Pass
				0	3.80	-31.042	-0.0181	-2.5 to 2.5	Pass
				10	3.80	-30.212	-0.0177	-2.5 to 2.5	Pass
				30	3.80	-9.656	-0.0056	-2.5 to 2.5	Pass
				40	3.80	-10.829	-0.0063	-2.5 to 2.5	Pass
				50	3.80	-17.710	-0.0104	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.23	9.356	0.0054	-2.5 to 2.5	Pass
					3.80	-31.414	-0.0181	-2.5 to 2.5	Pass
					4.37	-20.199	-0.0117	-2.5 to 2.5	Pass
				-30	3.80	-8.054	-0.0046	-2.5 to 2.5	Pass
				-20	3.80	-31.157	-0.0180	-2.5 to 2.5	Pass
				-10	3.80	-13.547	-0.0078	-2.5 to 2.5	Pass
				0	3.80	-25.291	-0.0146	-2.5 to 2.5	Pass
				10	3.80	-33.832	-0.0195	-2.5 to 2.5	Pass
				30	3.80	-9.842	-0.0057	-2.5 to 2.5	Pass
				40	3.80	-16.994	-0.0098	-2.5 to 2.5	Pass
				50	3.80	-23.675	-0.0137	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.23	-8.254	-0.0047	-2.5 to 2.5	Pass
					3.80	-35.992	-0.0205	-2.5 to 2.5	Pass
					4.37	-34.018	-0.0194	-2.5 to 2.5	Pass
				-30	3.80	-9.298	-0.0053	-2.5 to 2.5	Pass
				-20	3.80	-0.315	-0.0002	-2.5 to 2.5	Pass
				-10	3.80	-30.856	-0.0176	-2.5 to 2.5	Pass
				0	3.80	-6.123	-0.0035	-2.5 to 2.5	Pass
				10	3.80	-30.112	-0.0172	-2.5 to 2.5	Pass
				30	3.80	-13.890	-0.0079	-2.5 to 2.5	Pass
				40	3.80	-32.215	-0.0184	-2.5 to 2.5	Pass
				50	3.80	-10.386	-0.0059	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.23	-35.462	-0.0207	-2.5 to 2.5	Pass
					3.80	-30.899	-0.0181	-2.5 to 2.5	Pass
					4.37	-33.817	-0.0198	-2.5 to 2.5	Pass
				-30	3.80	-26.979	-0.0158	-2.5 to 2.5	Pass

				-20	3.80	-31.157	-0.0182	-2.5 to 2.5	Pass
				-10	3.80	-33.989	-0.0199	-2.5 to 2.5	Pass
				0	3.80	13.046	0.0076	-2.5 to 2.5	Pass
				10	3.80	10.057	0.0059	-2.5 to 2.5	Pass
				30	3.80	9.413	0.0055	-2.5 to 2.5	Pass
				40	3.80	2.375	0.0014	-2.5 to 2.5	Pass
				50	3.80	-4.435	-0.0026	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.23	-25.220	-0.0146	-2.5 to 2.5	Pass
					3.80	-14.148	-0.0082	-2.5 to 2.5	Pass
					4.37	-7.038	-0.0041	-2.5 to 2.5	Pass
				-30	3.80	2.317	0.0013	-2.5 to 2.5	Pass
				-20	3.80	6.351	0.0037	-2.5 to 2.5	Pass
				-10	3.80	12.245	0.0071	-2.5 to 2.5	Pass
				0	3.80	14.191	0.0082	-2.5 to 2.5	Pass
				10	3.80	16.823	0.0097	-2.5 to 2.5	Pass
				30	3.80	15.035	0.0087	-2.5 to 2.5	Pass
				40	3.80	18.554	0.0107	-2.5 to 2.5	Pass
				50	3.80	18.597	0.0107	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.23	-23.575	-0.0134	-2.5 to 2.5	Pass
					3.80	-6.609	-0.0038	-2.5 to 2.5	Pass
					4.37	5.221	0.0030	-2.5 to 2.5	Pass
				-30	3.80	12.317	0.0070	-2.5 to 2.5	Pass
				-20	3.80	17.037	0.0097	-2.5 to 2.5	Pass
				-10	3.80	17.939	0.0102	-2.5 to 2.5	Pass
				0	3.80	23.131	0.0132	-2.5 to 2.5	Pass
				10	3.80	20.285	0.0116	-2.5 to 2.5	Pass
				30	3.80	17.982	0.0103	-2.5 to 2.5	Pass
				40	3.80	21.014	0.0120	-2.5 to 2.5	Pass
				50	3.80	18.067	0.0103	-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	3.23	-32.830	-0.0192	-2.5 to 2.5	Pass
					3.80	-22.488	-0.0131	-2.5 to 2.5	Pass
					4.37	-39.225	-0.0229	-2.5 to 2.5	Pass
				-30	3.80	-22.058	-0.0129	-2.5 to 2.5	Pass
				-20	3.80	-12.832	-0.0075	-2.5 to 2.5	Pass
				-10	3.80	-38.037	-0.0222	-2.5 to 2.5	Pass
				0	3.80	-28.667	-0.0167	-2.5 to 2.5	Pass
				10	3.80	-33.588	-0.0196	-2.5 to 2.5	Pass
				30	3.80	-31.013	-0.0181	-2.5 to 2.5	Pass
				40	3.80	-1.702	-0.0010	-2.5 to 2.5	Pass
				50	3.80	-28.625	-0.0167	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.23	19.712	0.0114	-2.5 to 2.5	Pass
					3.80	-23.189	-0.0134	-2.5 to 2.5	Pass
					4.37	-32.830	-0.0189	-2.5 to 2.5	Pass
				-30	3.80	-25.420	-0.0147	-2.5 to 2.5	Pass
				-20	3.80	-16.336	-0.0094	-2.5 to 2.5	Pass
				-10	3.80	-36.063	-0.0208	-2.5 to 2.5	Pass
				0	3.80	-3.204	-0.0018	-2.5 to 2.5	Pass
				10	3.80	-10.643	-0.0061	-2.5 to 2.5	Pass
				30	3.80	-25.148	-0.0145	-2.5 to 2.5	Pass
				40	3.80	-35.248	-0.0203	-2.5 to 2.5	Pass
				50	3.80	-42.987	-0.0248	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.23	-2.046	-0.0012	-2.5 to 2.5	Pass

					3.80	-42.415	-0.0242	-2.5 to 2.5	Pass
					4.37	-11.244	-0.0064	-2.5 to 2.5	Pass
				-30	3.80	1.101	0.0006	-2.5 to 2.5	Pass
				-20	3.80	-12.832	-0.0073	-2.5 to 2.5	Pass
				-10	3.80	-38.080	-0.0217	-2.5 to 2.5	Pass
				0	3.80	-31.943	-0.0182	-2.5 to 2.5	Pass
				10	3.80	-18.454	-0.0105	-2.5 to 2.5	Pass
				30	3.80	-36.578	-0.0209	-2.5 to 2.5	Pass
				40	3.80	-4.077	-0.0023	-2.5 to 2.5	Pass
				50	3.80	-19.741	-0.0113	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.23	-5.522	-0.0032	-2.5 to 2.5	Pass
					3.80	-7.524	-0.0044	-2.5 to 2.5	Pass
					4.37	-12.932	-0.0076	-2.5 to 2.5	Pass
				-30	3.80	-19.255	-0.0113	-2.5 to 2.5	Pass
				-20	3.80	-26.765	-0.0156	-2.5 to 2.5	Pass
				-10	3.80	-33.031	-0.0193	-2.5 to 2.5	Pass
				0	3.80	-4.978	-0.0029	-2.5 to 2.5	Pass
				10	3.80	-14.205	-0.0083	-2.5 to 2.5	Pass
				30	3.80	-19.755	-0.0115	-2.5 to 2.5	Pass
				40	3.80	-27.909	-0.0163	-2.5 to 2.5	Pass
				50	3.80	-33.402	-0.0195	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.23	-10.529	-0.0061	-2.5 to 2.5	Pass
					3.80	4.950	0.0029	-2.5 to 2.5	Pass
					4.37	14.377	0.0083	-2.5 to 2.5	Pass
				-30	3.80	18.754	0.0108	-2.5 to 2.5	Pass
				-20	3.80	25.792	0.0149	-2.5 to 2.5	Pass
				-10	3.80	29.454	0.0170	-2.5 to 2.5	Pass
				0	3.80	32.101	0.0185	-2.5 to 2.5	Pass
				10	3.80	33.259	0.0192	-2.5 to 2.5	Pass
				30	3.80	35.090	0.0203	-2.5 to 2.5	Pass
				40	3.80	36.221	0.0209	-2.5 to 2.5	Pass
				50	3.80	33.760	0.0195	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.23	-25.592	-0.0146	-2.5 to 2.5	Pass
					3.80	-17.052	-0.0097	-2.5 to 2.5	Pass
					4.37	-4.234	-0.0024	-2.5 to 2.5	Pass
				-30	3.80	2.561	0.0015	-2.5 to 2.5	Pass
				-20	3.80	7.582	0.0043	-2.5 to 2.5	Pass
				-10	3.80	10.114	0.0058	-2.5 to 2.5	Pass
				0	3.80	11.702	0.0067	-2.5 to 2.5	Pass
				10	3.80	16.150	0.0092	-2.5 to 2.5	Pass
				30	3.80	14.534	0.0083	-2.5 to 2.5	Pass
				40	3.80	13.990	0.0080	-2.5 to 2.5	Pass
				50	3.80	14.191	0.0081	-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	3.23	-21.887	-0.0128	-2.5 to 2.5	Pass
					3.80	-27.523	-0.0161	-2.5 to 2.5	Pass
					4.37	-13.604	-0.0079	-2.5 to 2.5	Pass
				-30	3.80	-26.236	-0.0153	-2.5 to 2.5	Pass
				-20	3.80	-30.556	-0.0178	-2.5 to 2.5	Pass
				-10	3.80	-18.740	-0.0109	-2.5 to 2.5	Pass
				0	3.80	-18.225	-0.0106	-2.5 to 2.5	Pass
				10	3.80	-3.004	-0.0018	-2.5 to 2.5	Pass
				30	3.80	-16.308	-0.0095	-2.5 to 2.5	Pass

				40	3.80	-23.932	-0.0140	-2.5 to 2.5	Pass
				50	3.80	-34.261	-0.0200	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.23	13.504	0.0078	-2.5 to 2.5	Pass
					3.80	-29.826	-0.0172	-2.5 to 2.5	Pass
					4.37	-16.122	-0.0093	-2.5 to 2.5	Pass
				-30	3.80	-2.618	-0.0015	-2.5 to 2.5	Pass
				-20	3.80	-25.692	-0.0148	-2.5 to 2.5	Pass
				-10	3.80	-5.021	-0.0029	-2.5 to 2.5	Pass
				0	3.80	-17.109	-0.0099	-2.5 to 2.5	Pass
				10	3.80	-26.193	-0.0151	-2.5 to 2.5	Pass
				30	3.80	14.033	0.0081	-2.5 to 2.5	Pass
				40	3.80	6.981	0.0040	-2.5 to 2.5	Pass
				50	3.80	1.187	0.0007	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.23	-11.530	-0.0066	-2.5 to 2.5	Pass
					3.80	-18.826	-0.0107	-2.5 to 2.5	Pass
					4.37	-16.909	-0.0096	-2.5 to 2.5	Pass
				-30	3.80	-21.615	-0.0123	-2.5 to 2.5	Pass
				-20	3.80	-23.775	-0.0136	-2.5 to 2.5	Pass
				-10	3.80	-10.800	-0.0062	-2.5 to 2.5	Pass
				0	3.80	-37.036	-0.0211	-2.5 to 2.5	Pass
				10	3.80	-0.057	0.0000	-2.5 to 2.5	Pass
				30	3.80	-17.281	-0.0099	-2.5 to 2.5	Pass
				40	3.80	-31.757	-0.0181	-2.5 to 2.5	Pass
				50	3.80	-3.233	-0.0018	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.23	0.172	0.0001	-2.5 to 2.5	Pass
					3.80	11.101	0.0065	-2.5 to 2.5	Pass
					4.37	22.173	0.0129	-2.5 to 2.5	Pass
				-30	3.80	31.471	0.0184	-2.5 to 2.5	Pass
				-20	3.80	36.192	0.0211	-2.5 to 2.5	Pass
				-10	3.80	36.049	0.0211	-2.5 to 2.5	Pass
				0	3.80	4.134	0.0024	-2.5 to 2.5	Pass
				10	3.80	4.849	0.0028	-2.5 to 2.5	Pass
				30	3.80	7.539	0.0044	-2.5 to 2.5	Pass
				40	3.80	9.384	0.0055	-2.5 to 2.5	Pass
				50	3.80	10.443	0.0061	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.23	2.904	0.0017	-2.5 to 2.5	Pass
					3.80	14.148	0.0082	-2.5 to 2.5	Pass
					4.37	26.307	0.0152	-2.5 to 2.5	Pass
				-30	3.80	-12.832	-0.0074	-2.5 to 2.5	Pass
				-20	3.80	-2.646	-0.0015	-2.5 to 2.5	Pass
				-10	3.80	3.505	0.0020	-2.5 to 2.5	Pass
				0	3.80	10.471	0.0060	-2.5 to 2.5	Pass
				10	3.80	8.197	0.0047	-2.5 to 2.5	Pass
				30	3.80	9.484	0.0055	-2.5 to 2.5	Pass
				40	3.80	13.433	0.0078	-2.5 to 2.5	Pass
				50	3.80	18.525	0.0107	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.23	-0.715	-0.0004	-2.5 to 2.5	Pass
					3.80	16.351	0.0093	-2.5 to 2.5	Pass
					4.37	26.665	0.0152	-2.5 to 2.5	Pass
				-30	3.80	37.808	0.0216	-2.5 to 2.5	Pass
				-20	3.80	40.755	0.0233	-2.5 to 2.5	Pass
				-10	3.80	45.919	0.0262	-2.5 to 2.5	Pass
				0	3.80	46.692	0.0266	-2.5 to 2.5	Pass
				10	3.80	-2.975	-0.0017	-2.5 to 2.5	Pass
				30	3.80	2.489	0.0014	-2.5 to 2.5	Pass
				40	3.80	1.774	0.0010	-2.5 to 2.5	Pass
				50	3.80	1.616	0.0009	-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	3.23	-26.808	-0.0156	-2.5 to 2.5	Pass
					3.80	-31.471	-0.0184	-2.5 to 2.5	Pass
					4.37	-27.909	-0.0163	-2.5 to 2.5	Pass
				-30	3.80	-39.024	-0.0228	-2.5 to 2.5	Pass
				-20	3.80	-9.670	-0.0056	-2.5 to 2.5	Pass
				-10	3.80	-31.114	-0.0181	-2.5 to 2.5	Pass
				0	3.80	-10.543	-0.0061	-2.5 to 2.5	Pass
				10	3.80	-25.563	-0.0149	-2.5 to 2.5	Pass
				30	3.80	3.948	0.0023	-2.5 to 2.5	Pass
				40	3.80	-7.553	-0.0044	-2.5 to 2.5	Pass
				50	3.80	-12.145	-0.0071	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.23	9.413	0.0054	-2.5 to 2.5	Pass
					3.80	-28.296	-0.0163	-2.5 to 2.5	Pass
					4.37	-10.414	-0.0060	-2.5 to 2.5	Pass
				-30	3.80	-25.792	-0.0149	-2.5 to 2.5	Pass
				-20	3.80	-6.709	-0.0039	-2.5 to 2.5	Pass
				-10	3.80	-21.086	-0.0122	-2.5 to 2.5	Pass
				0	3.80	-31.686	-0.0183	-2.5 to 2.5	Pass
				10	3.80	9.012	0.0052	-2.5 to 2.5	Pass
				30	3.80	0.401	0.0002	-2.5 to 2.5	Pass
				40	3.80	-2.432	-0.0014	-2.5 to 2.5	Pass
				50	3.80	-7.739	-0.0045	-2.5 to 2.5	Pass
	1750	50	0	20	3.23	-20.556	-0.0117	-2.5 to 2.5	Pass
					3.80	-16.837	-0.0096	-2.5 to 2.5	Pass
					4.37	-39.067	-0.0223	-2.5 to 2.5	Pass
				-30	3.80	-41.656	-0.0238	-2.5 to 2.5	Pass
				-20	3.80	-8.168	-0.0047	-2.5 to 2.5	Pass
				-10	3.80	-32.229	-0.0184	-2.5 to 2.5	Pass
				0	3.80	-16.766	-0.0096	-2.5 to 2.5	Pass
				10	3.80	-29.798	-0.0170	-2.5 to 2.5	Pass
				30	3.80	-15.578	-0.0089	-2.5 to 2.5	Pass
				40	3.80	-29.511	-0.0169	-2.5 to 2.5	Pass
				50	3.80	-1.101	-0.0006	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.23	-6.509	-0.0038	-2.5 to 2.5	Pass
					3.80	20.328	0.0119	-2.5 to 2.5	Pass
					4.37	42.272	0.0246	-2.5 to 2.5	Pass
				-30	3.80	17.767	0.0104	-2.5 to 2.5	Pass
				-20	3.80	27.509	0.0160	-2.5 to 2.5	Pass
				-10	3.80	29.640	0.0173	-2.5 to 2.5	Pass
				0	3.80	34.876	0.0203	-2.5 to 2.5	Pass
				10	3.80	36.020	0.0210	-2.5 to 2.5	Pass
				30	3.80	37.394	0.0218	-2.5 to 2.5	Pass
				40	3.80	40.698	0.0237	-2.5 to 2.5	Pass
				50	3.80	44.403	0.0259	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.23	2.260	0.0013	-2.5 to 2.5	Pass
					3.80	34.504	0.0199	-2.5 to 2.5	Pass
					4.37	1.702	0.0010	-2.5 to 2.5	Pass
				-30	3.80	10.471	0.0060	-2.5 to 2.5	Pass
				-20	3.80	17.767	0.0103	-2.5 to 2.5	Pass
				-10	3.80	21.858	0.0126	-2.5 to 2.5	Pass
				0	3.80	30.327	0.0175	-2.5 to 2.5	Pass
				10	3.80	33.474	0.0193	-2.5 to 2.5	Pass
				30	3.80	36.821	0.0213	-2.5 to 2.5	Pass
				40	3.80	4.420	0.0026	-2.5 to 2.5	Pass
				50	3.80	8.068	0.0047	-2.5 to 2.5	Pass

	1750	50	0	20	3.23	4.020	0.0023	-2.5 to 2.5	Pass
					3.80	27.723	0.0158	-2.5 to 2.5	Pass
					4.37	15.049	0.0086	-2.5 to 2.5	Pass
				-30	3.80	26.879	0.0154	-2.5 to 2.5	Pass
				-20	3.80	25.020	0.0143	-2.5 to 2.5	Pass
				-10	3.80	27.051	0.0155	-2.5 to 2.5	Pass
				0	3.80	30.899	0.0177	-2.5 to 2.5	Pass
				10	3.80	30.141	0.0172	-2.5 to 2.5	Pass
				30	3.80	29.483	0.0168	-2.5 to 2.5	Pass
				40	3.80	29.726	0.0170	-2.5 to 2.5	Pass
				50	3.80	31.714	0.0181	-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	3.23	-24.734	-0.0144	-2.5 to 2.5	Pass
					3.80	-22.931	-0.0134	-2.5 to 2.5	Pass
					4.37	-17.123	-0.0100	-2.5 to 2.5	Pass
				-30	3.80	-26.379	-0.0154	-2.5 to 2.5	Pass
				-20	3.80	-12.259	-0.0071	-2.5 to 2.5	Pass
				-10	3.80	-32.544	-0.0189	-2.5 to 2.5	Pass
				0	3.80	-6.595	-0.0038	-2.5 to 2.5	Pass
				10	3.80	-18.096	-0.0105	-2.5 to 2.5	Pass
				30	3.80	-25.592	-0.0149	-2.5 to 2.5	Pass
				40	3.80	-32.086	-0.0187	-2.5 to 2.5	Pass
				50	3.80	-35.062	-0.0204	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.23	-25.077	-0.0145	-2.5 to 2.5	Pass
					3.80	-19.898	-0.0115	-2.5 to 2.5	Pass
					4.37	-21.286	-0.0123	-2.5 to 2.5	Pass
				-30	3.80	-32.930	-0.0190	-2.5 to 2.5	Pass
				-20	3.80	-11.716	-0.0068	-2.5 to 2.5	Pass
				-10	3.80	-25.492	-0.0147	-2.5 to 2.5	Pass
				0	3.80	-33.045	-0.0191	-2.5 to 2.5	Pass
				10	3.80	-40.255	-0.0232	-2.5 to 2.5	Pass
				30	3.80	-12.946	-0.0075	-2.5 to 2.5	Pass
				40	3.80	-17.695	-0.0102	-2.5 to 2.5	Pass
				50	3.80	-20.871	-0.0120	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.23	-25.592	-0.0146	-2.5 to 2.5	Pass
					3.80	-31.157	-0.0178	-2.5 to 2.5	Pass
					4.37	1.974	0.0011	-2.5 to 2.5	Pass
				-30	3.80	-31.428	-0.0180	-2.5 to 2.5	Pass
				-20	3.80	-15.206	-0.0087	-2.5 to 2.5	Pass
				-10	3.80	-34.189	-0.0196	-2.5 to 2.5	Pass
				0	3.80	-22.531	-0.0129	-2.5 to 2.5	Pass
				10	3.80	-23.260	-0.0133	-2.5 to 2.5	Pass
				30	3.80	-17.695	-0.0101	-2.5 to 2.5	Pass
				40	3.80	-27.151	-0.0155	-2.5 to 2.5	Pass
				50	3.80	-36.235	-0.0207	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.23	-27.738	-0.0162	-2.5 to 2.5	Pass
					3.80	-2.589	-0.0015	-2.5 to 2.5	Pass
					4.37	11.573	0.0067	-2.5 to 2.5	Pass
				-30	3.80	21.229	0.0124	-2.5 to 2.5	Pass
				-20	3.80	25.678	0.0150	-2.5 to 2.5	Pass
				-10	3.80	31.786	0.0185	-2.5 to 2.5	Pass
				0	3.80	35.334	0.0206	-2.5 to 2.5	Pass
				10	3.80	39.067	0.0227	-2.5 to 2.5	Pass

				30	3.80	4.764	0.0028	-2.5 to 2.5	Pass
				40	3.80	6.852	0.0040	-2.5 to 2.5	Pass
				50	3.80	7.181	0.0042	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.23	-8.297	-0.0048	-2.5 to 2.5	Pass
					3.80	14.606	0.0084	-2.5 to 2.5	Pass
					4.37	30.441	0.0176	-2.5 to 2.5	Pass
				-30	3.80	5.307	0.0031	-2.5 to 2.5	Pass
				-20	3.80	10.457	0.0060	-2.5 to 2.5	Pass
				-10	3.80	18.497	0.0107	-2.5 to 2.5	Pass
				0	3.80	21.930	0.0127	-2.5 to 2.5	Pass
				10	3.80	22.774	0.0131	-2.5 to 2.5	Pass
				30	3.80	24.619	0.0142	-2.5 to 2.5	Pass
				40	3.80	28.768	0.0166	-2.5 to 2.5	Pass
				50	3.80	-4.163	-0.0024	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.23	-24.362	-0.0139	-2.5 to 2.5	Pass
					3.80	-1.359	-0.0008	-2.5 to 2.5	Pass
					4.37	10.958	0.0063	-2.5 to 2.5	Pass
				-30	3.80	23.046	0.0132	-2.5 to 2.5	Pass
				-20	3.80	30.999	0.0177	-2.5 to 2.5	Pass
				-10	3.80	33.889	0.0194	-2.5 to 2.5	Pass
				0	3.80	34.990	0.0200	-2.5 to 2.5	Pass
				10	3.80	16.580	0.0095	-2.5 to 2.5	Pass
				30	3.80	21.758	0.0125	-2.5 to 2.5	Pass
				40	3.80	20.914	0.0120	-2.5 to 2.5	Pass
				50	3.80	20.156	0.0115	-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	3.23	-29.283	-0.0170	-2.5 to 2.5	Pass
					3.80	-13.847	-0.0081	-2.5 to 2.5	Pass
					4.37	-29.297	-0.0170	-2.5 to 2.5	Pass
				-30	3.80	-30.370	-0.0177	-2.5 to 2.5	Pass
				-20	3.80	-2.060	-0.0012	-2.5 to 2.5	Pass
				-10	3.80	-19.627	-0.0114	-2.5 to 2.5	Pass
				0	3.80	-33.846	-0.0197	-2.5 to 2.5	Pass
				10	3.80	-25.549	-0.0149	-2.5 to 2.5	Pass
				30	3.80	-5.994	-0.0035	-2.5 to 2.5	Pass
				40	3.80	-13.433	-0.0078	-2.5 to 2.5	Pass
				50	3.80	-19.598	-0.0114	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.23	-21.100	-0.0122	-2.5 to 2.5	Pass
					3.80	-22.945	-0.0132	-2.5 to 2.5	Pass
					4.37	-29.683	-0.0171	-2.5 to 2.5	Pass
				-30	3.80	-18.425	-0.0106	-2.5 to 2.5	Pass
				-20	3.80	-34.862	-0.0201	-2.5 to 2.5	Pass
				-10	3.80	-17.667	-0.0102	-2.5 to 2.5	Pass
				0	3.80	7.482	0.0043	-2.5 to 2.5	Pass
				10	3.80	2.561	0.0015	-2.5 to 2.5	Pass
				30	3.80	-9.398	-0.0054	-2.5 to 2.5	Pass
				40	3.80	-11.959	-0.0069	-2.5 to 2.5	Pass
				50	3.80	-19.927	-0.0115	-2.5 to 2.5	Pass
	1745	100	0	20	3.23	-34.003	-0.0195	-2.5 to 2.5	Pass
					3.80	-36.035	-0.0207	-2.5 to 2.5	Pass
					4.37	-35.906	-0.0206	-2.5 to 2.5	Pass
				-30	3.80	-23.289	-0.0133	-2.5 to 2.5	Pass
				-20	3.80	-43.516	-0.0249	-2.5 to 2.5	Pass

				-10	3.80	-21.844	-0.0125	-2.5 to 2.5	Pass
				0	3.80	-34.747	-0.0199	-2.5 to 2.5	Pass
				10	3.80	-7.424	-0.0043	-2.5 to 2.5	Pass
				30	3.80	-16.050	-0.0092	-2.5 to 2.5	Pass
				40	3.80	-23.475	-0.0135	-2.5 to 2.5	Pass
				50	3.80	-27.237	-0.0156	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.23	-1.402	-0.0008	-2.5 to 2.5	Pass
					3.80	32.144	0.0187	-2.5 to 2.5	Pass
					4.37	12.488	0.0073	-2.5 to 2.5	Pass
				-30	3.80	21.672	0.0126	-2.5 to 2.5	Pass
				-20	3.80	33.417	0.0194	-2.5 to 2.5	Pass
				-10	3.80	24.748	0.0144	-2.5 to 2.5	Pass
				0	3.80	29.969	0.0174	-2.5 to 2.5	Pass
				10	3.80	36.507	0.0212	-2.5 to 2.5	Pass
				30	3.80	-8.826	-0.0051	-2.5 to 2.5	Pass
				40	3.80	-5.207	-0.0030	-2.5 to 2.5	Pass
				50	3.80	-0.887	-0.0005	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.23	2.317	0.0013	-2.5 to 2.5	Pass
					3.80	33.317	0.0192	-2.5 to 2.5	Pass
					4.37	-7.768	-0.0045	-2.5 to 2.5	Pass
				-30	3.80	5.722	0.0033	-2.5 to 2.5	Pass
				-20	3.80	11.859	0.0068	-2.5 to 2.5	Pass
				-10	3.80	19.884	0.0115	-2.5 to 2.5	Pass
				0	3.80	21.100	0.0122	-2.5 to 2.5	Pass
				10	3.80	21.143	0.0122	-2.5 to 2.5	Pass
				30	3.80	24.447	0.0141	-2.5 to 2.5	Pass
				40	3.80	25.091	0.0145	-2.5 to 2.5	Pass
				50	3.80	31.986	0.0185	-2.5 to 2.5	Pass
	1745	100	0	20	3.23	-8.454	-0.0048	-2.5 to 2.5	Pass
					3.80	23.446	0.0134	-2.5 to 2.5	Pass
					4.37	15.836	0.0091	-2.5 to 2.5	Pass
				-30	3.80	2.704	0.0015	-2.5 to 2.5	Pass
				-20	3.80	13.905	0.0080	-2.5 to 2.5	Pass
				-10	3.80	14.706	0.0084	-2.5 to 2.5	Pass
				0	3.80	19.383	0.0111	-2.5 to 2.5	Pass
				10	3.80	26.650	0.0153	-2.5 to 2.5	Pass
				30	3.80	25.492	0.0146	-2.5 to 2.5	Pass
				40	3.80	30.541	0.0175	-2.5 to 2.5	Pass
				50	3.80	34.475	0.0198	-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

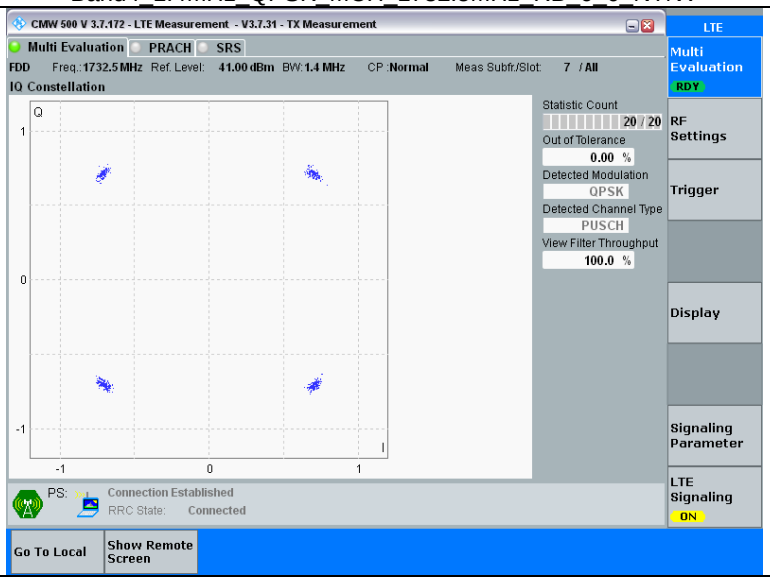
3.1.6 B4_20MHz

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

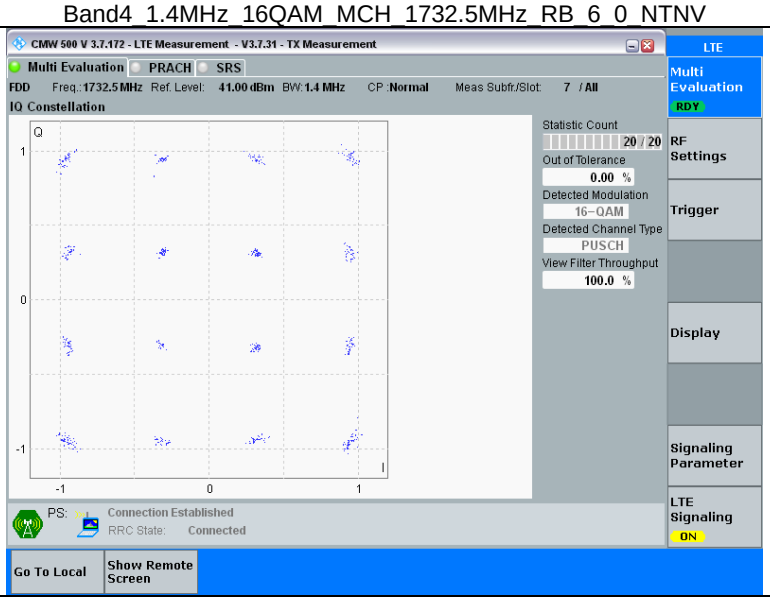
3.2 Test Graph

3.2.1 B4_1.4MHz

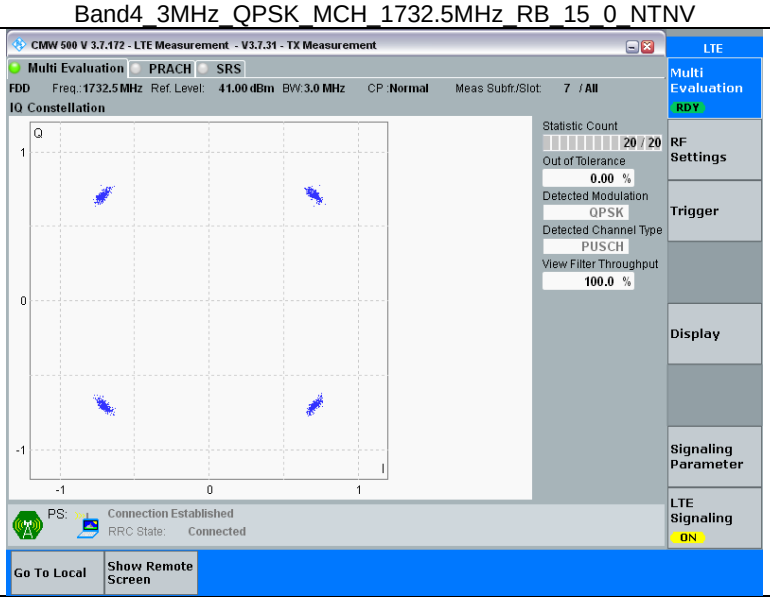
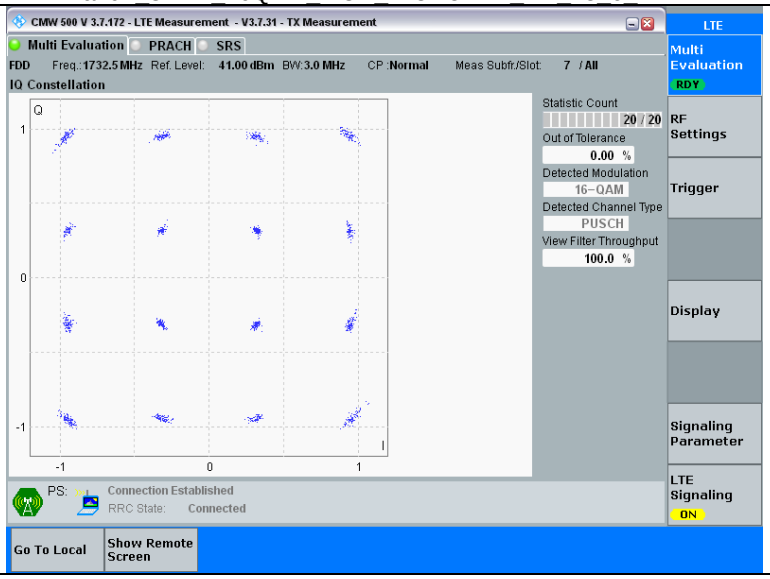
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



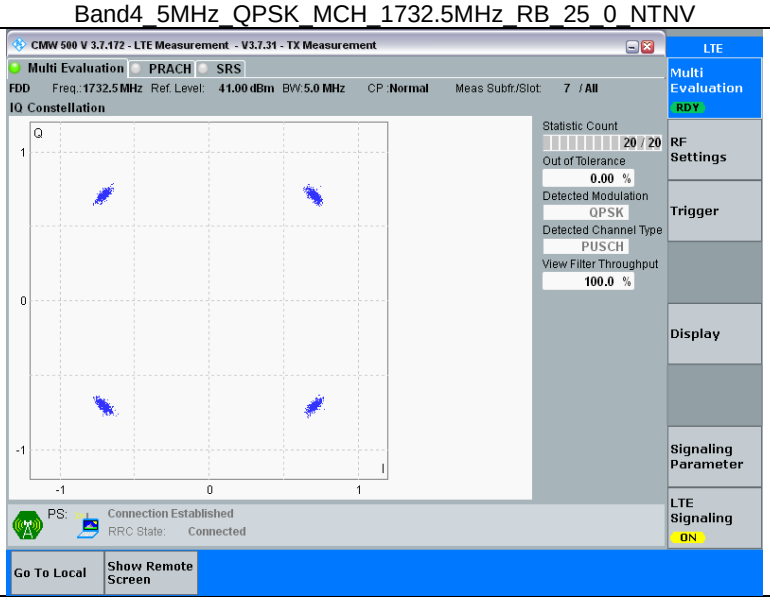
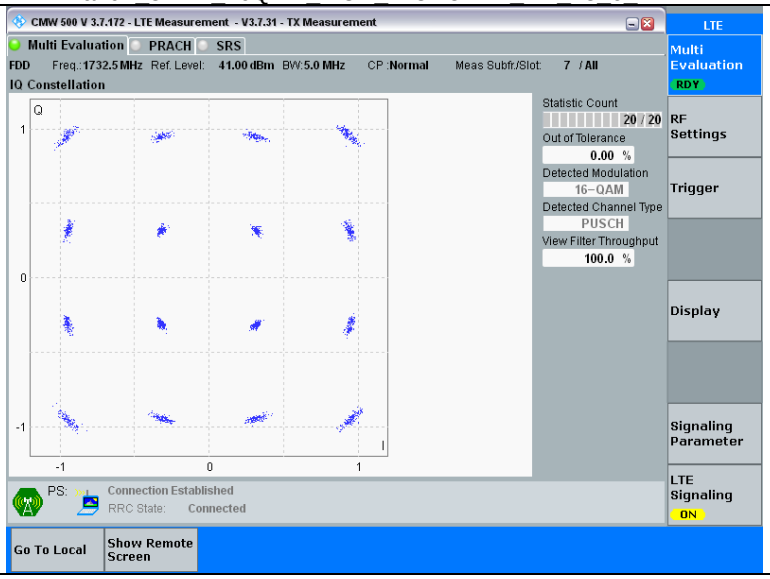
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



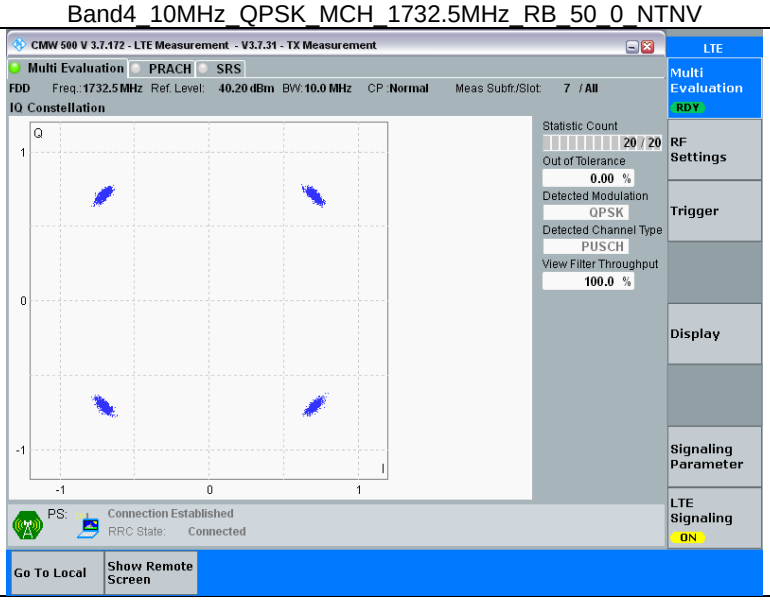
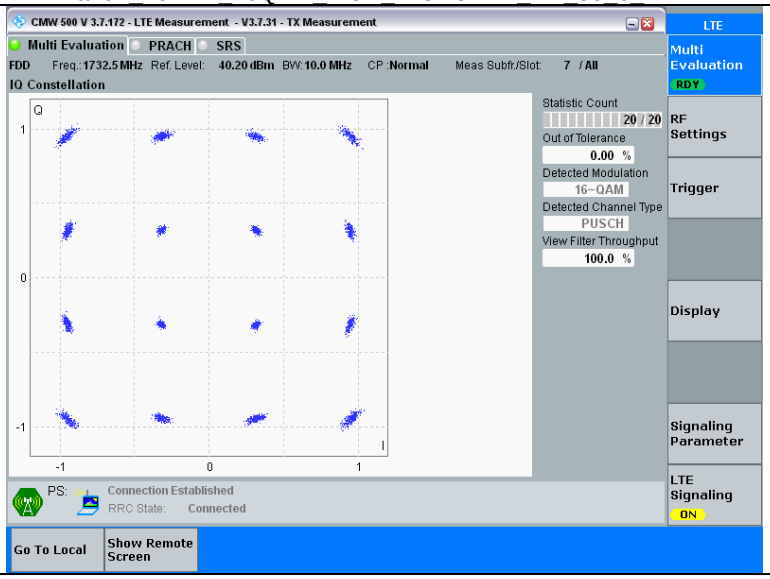
3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


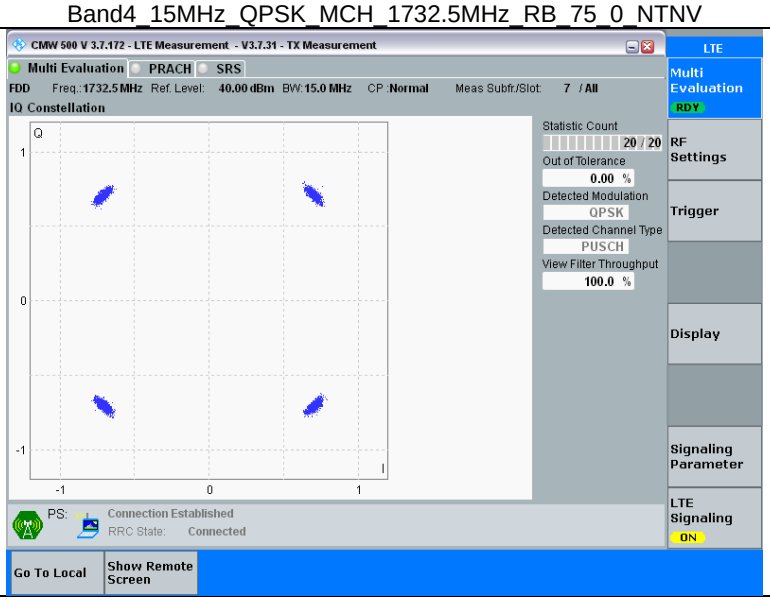
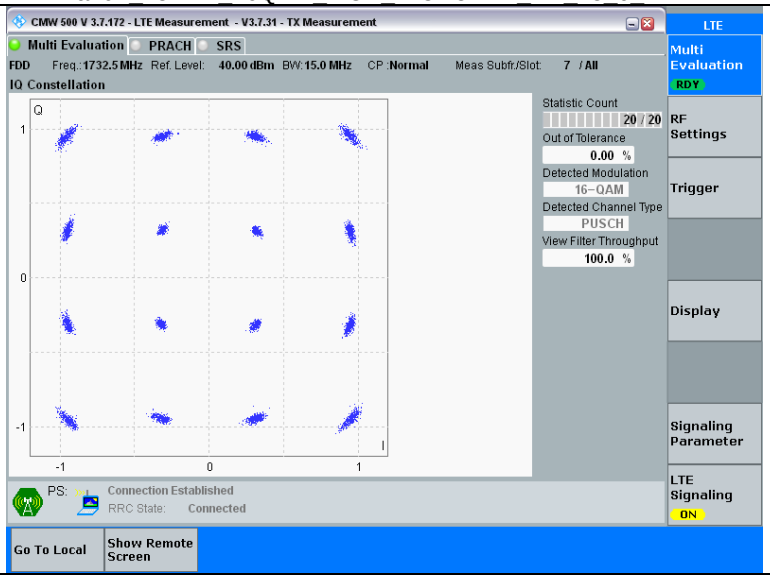
3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


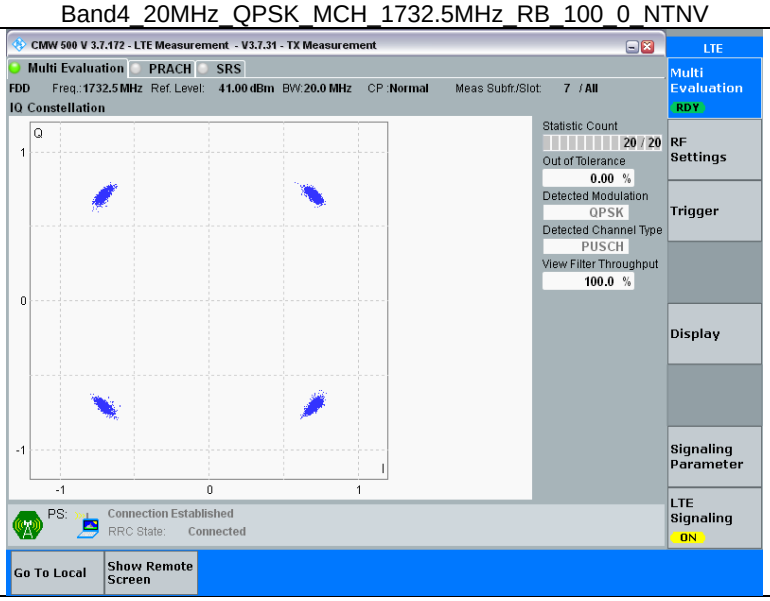
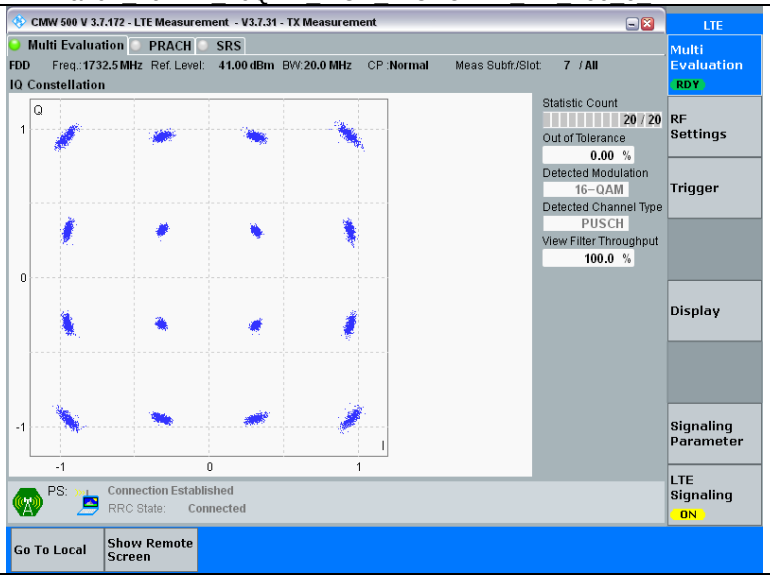
3.2.4 B4_10MHz

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	1.111	/	Pass
		1754.3	6	0	1.109	/	Pass
	16QAM	1710.7	6	0	1.116	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.120	/	Pass
3	QPSK	1711.5	15	0	2.758	/	Pass
		1732.5	15	0	2.741	/	Pass
		1753.5	15	0	2.765	/	Pass
	16QAM	1711.5	15	0	2.758	/	Pass
		1732.5	15	0	2.757	/	Pass
		1753.5	15	0	2.753	/	Pass
5	QPSK	1712.5	25	0	4.561	/	Pass
		1732.5	25	0	4.547	/	Pass
		1752.5	25	0	4.541	/	Pass
	16QAM	1712.5	25	0	4.560	/	Pass
		1732.5	25	0	4.582	/	Pass
		1752.5	25	0	4.573	/	Pass
10	QPSK	1715	50	0	9.064	/	Pass
		1732.5	50	0	9.056	/	Pass
		1750	50	0	9.042	/	Pass
	16QAM	1715	50	0	9.080	/	Pass
		1732.5	50	0	9.075	/	Pass
		1750	50	0	9.060	/	Pass
15	QPSK	1717.5	75	0	13.652	/	Pass
		1732.5	75	0	13.638	/	Pass
		1747.5	75	0	13.563	/	Pass
	16QAM	1717.5	75	0	13.641	/	Pass
		1732.5	75	0	13.654	/	Pass
		1747.5	75	0	13.627	/	Pass
20	QPSK	1720	100	0	18.147	/	Pass
		1732.5	100	0	18.185	/	Pass
		1745	100	0	18.159	/	Pass
	16QAM	1720	100	0	18.166	/	Pass
		1732.5	100	0	18.177	/	Pass
		1745	100	0	18.162	/	Pass

4.1.2 Band4_XDB

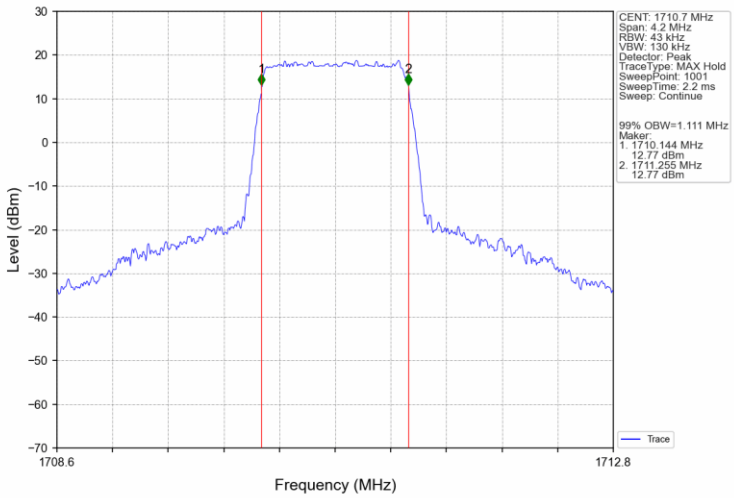
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.275	/	Pass
		1732.5	6	0	1.278	/	Pass
		1754.3	6	0	1.282	/	Pass

	16QAM	1710.7	6	0	1.272	/	Pass
		1732.5	6	0	1.274	/	Pass
		1754.3	6	0	1.263	/	Pass
3	QPSK	1711.5	15	0	3.079	/	Pass
		1732.5	15	0	3.085	/	Pass
		1753.5	15	0	3.088	/	Pass
	16QAM	1711.5	15	0	3.108	/	Pass
		1732.5	15	0	3.121	/	Pass
		1753.5	15	0	3.103	/	Pass
5	QPSK	1712.5	25	0	5.034	/	Pass
		1732.5	25	0	5.064	/	Pass
		1752.5	25	0	5.055	/	Pass
	16QAM	1712.5	25	0	5.056	/	Pass
		1732.5	25	0	5.060	/	Pass
		1752.5	25	0	5.079	/	Pass
10	QPSK	1715	50	0	10.057	/	Pass
		1732.5	50	0	10.090	/	Pass
		1750	50	0	10.057	/	Pass
	16QAM	1715	50	0	10.083	/	Pass
		1732.5	50	0	10.077	/	Pass
		1750	50	0	10.082	/	Pass
15	QPSK	1717.5	75	0	15.271	/	Pass
		1732.5	75	0	15.257	/	Pass
		1747.5	75	0	15.117	/	Pass
	16QAM	1717.5	75	0	15.132	/	Pass
		1732.5	75	0	15.281	/	Pass
		1747.5	75	0	15.151	/	Pass
20	QPSK	1720	100	0	19.997	/	Pass
		1732.5	100	0	20.021	/	Pass
		1745	100	0	20.099	/	Pass
	16QAM	1720	100	0	20.128	/	Pass
		1732.5	100	0	20.185	/	Pass
		1745	100	0	19.977	/	Pass

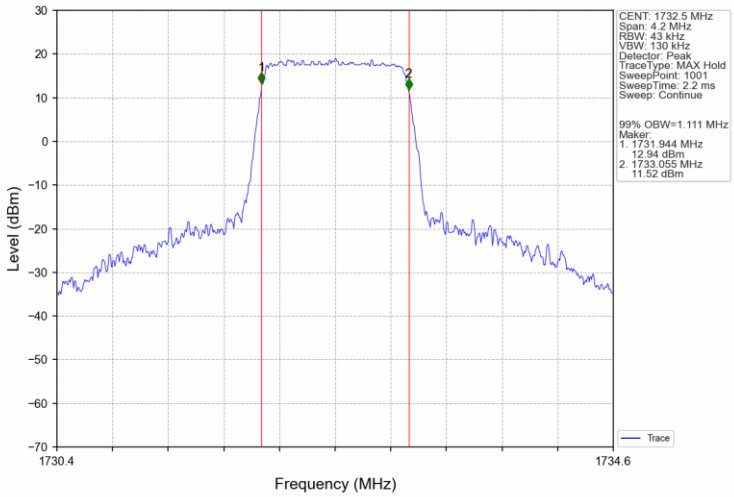
4.2 Test Graph

4.2.1 Band4_OBW

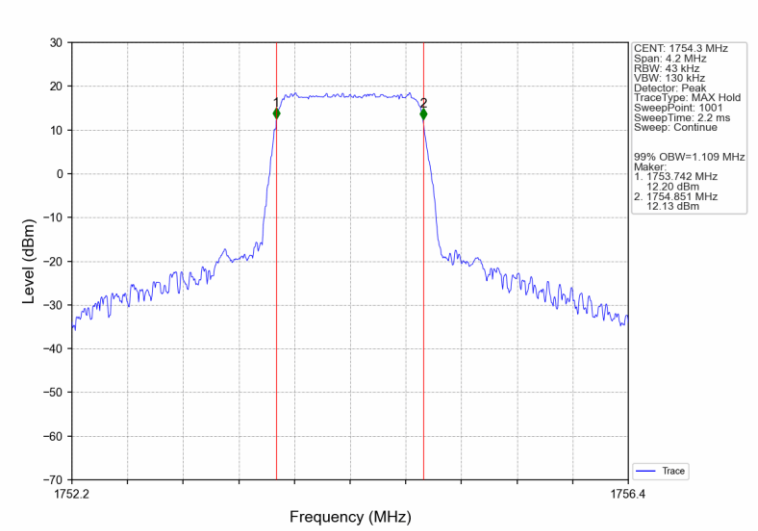
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



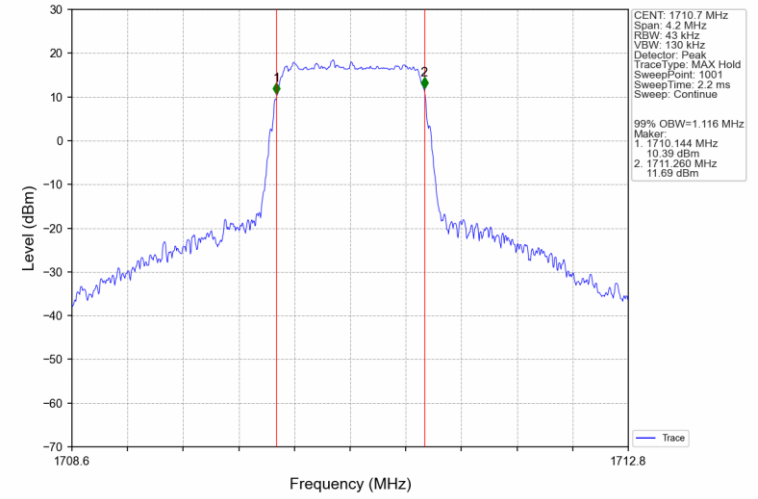
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



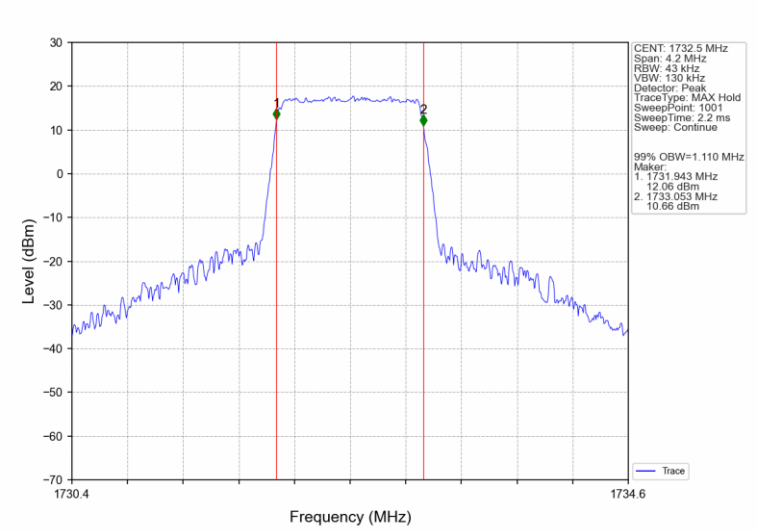
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



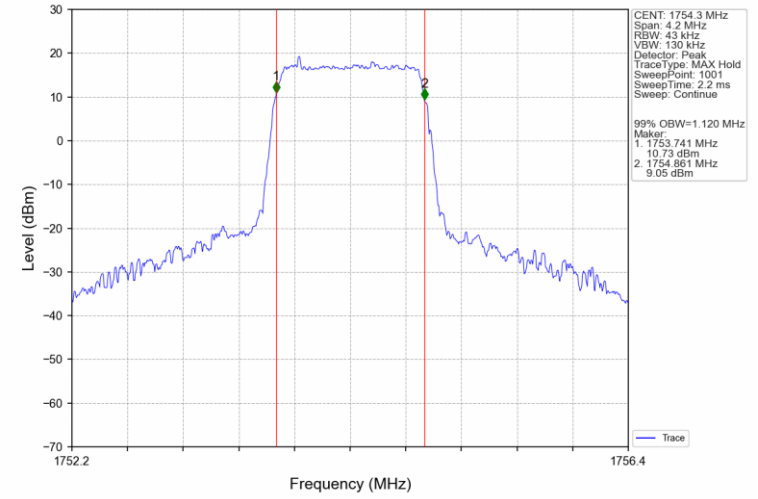
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



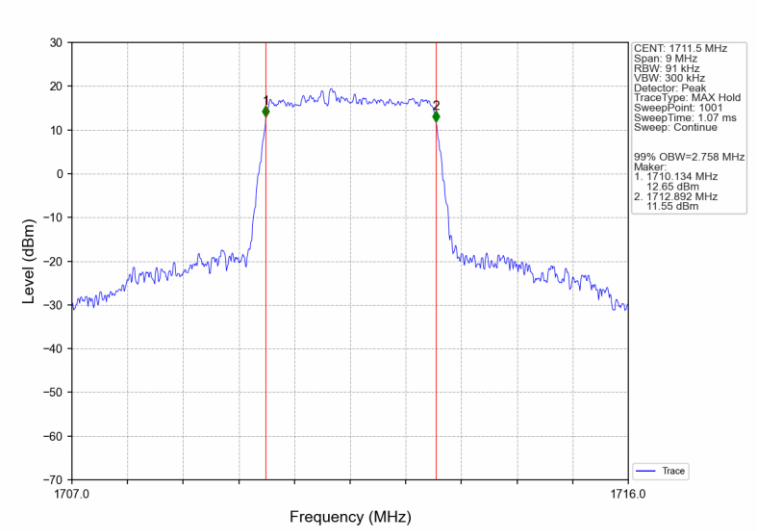
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



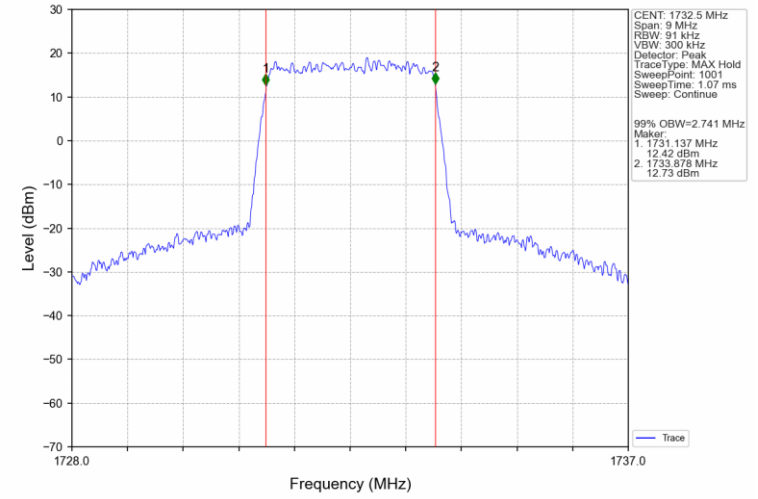
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



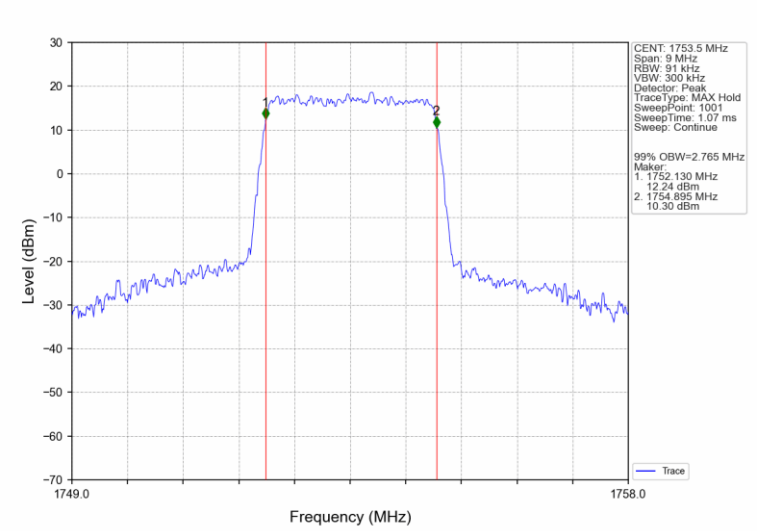
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



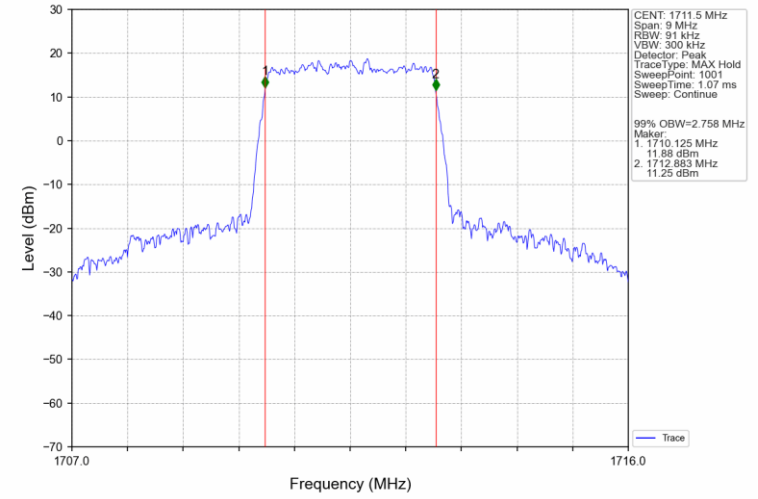
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



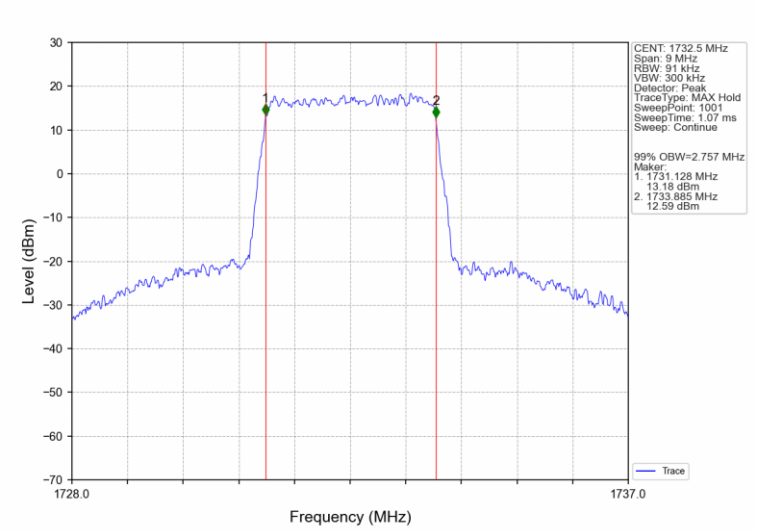
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



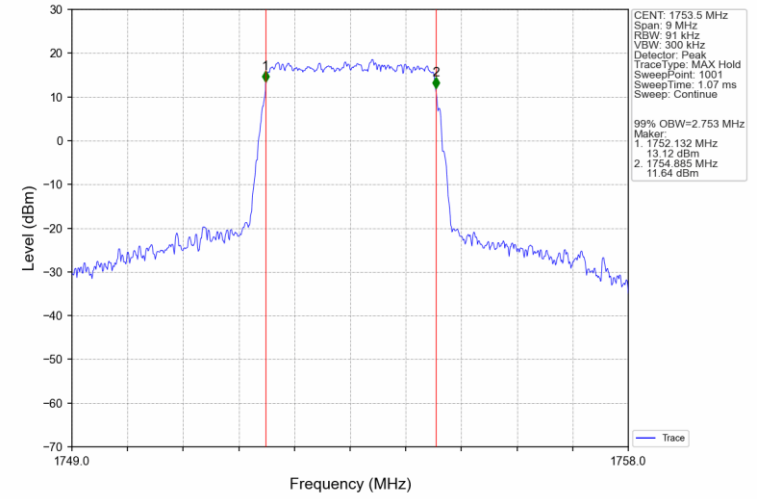
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



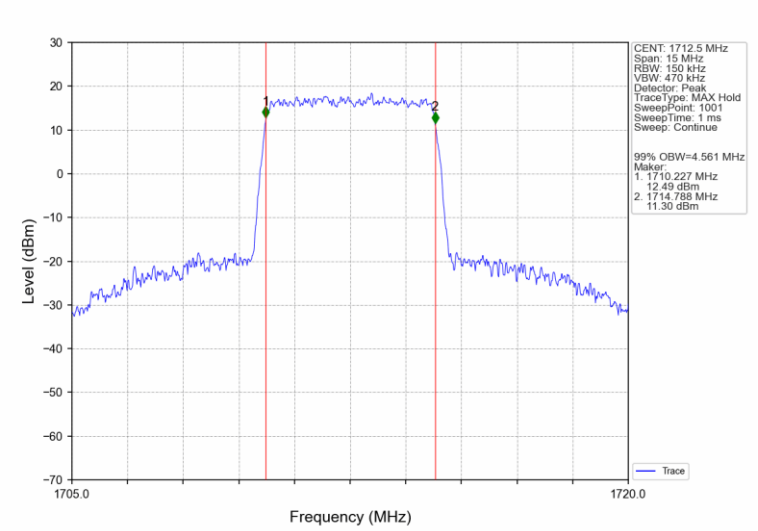
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



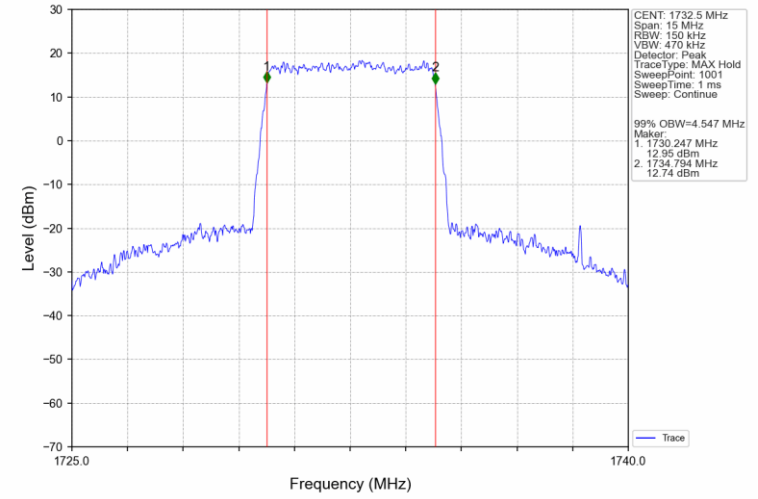
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



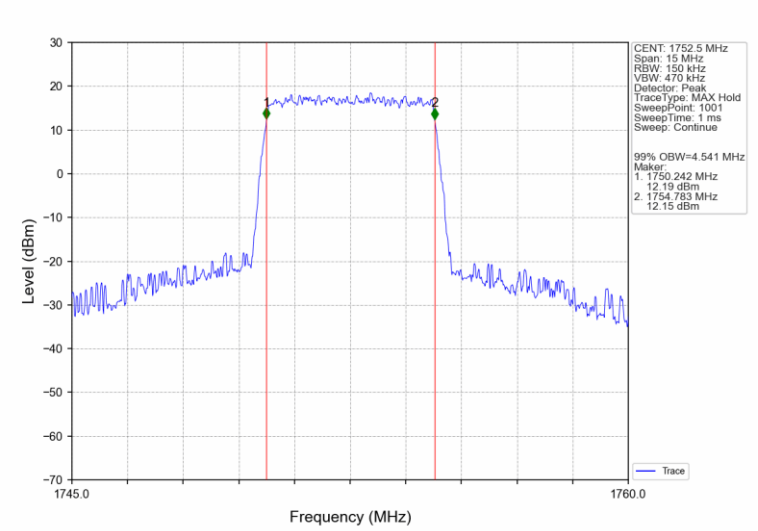
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



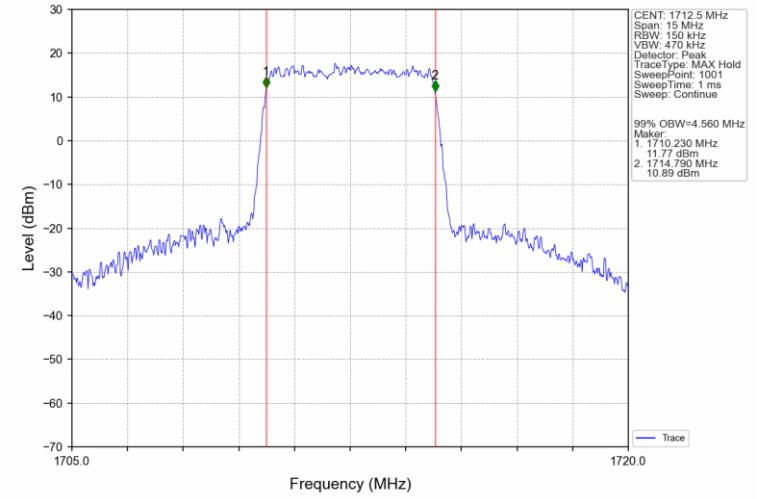
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



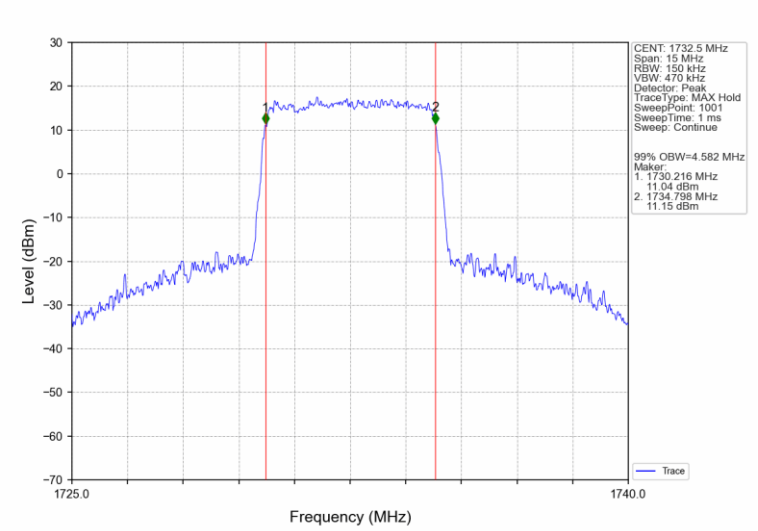
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



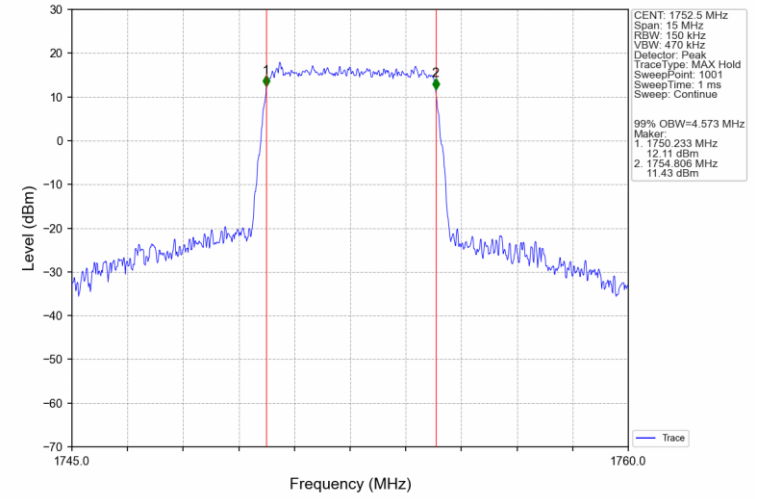
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



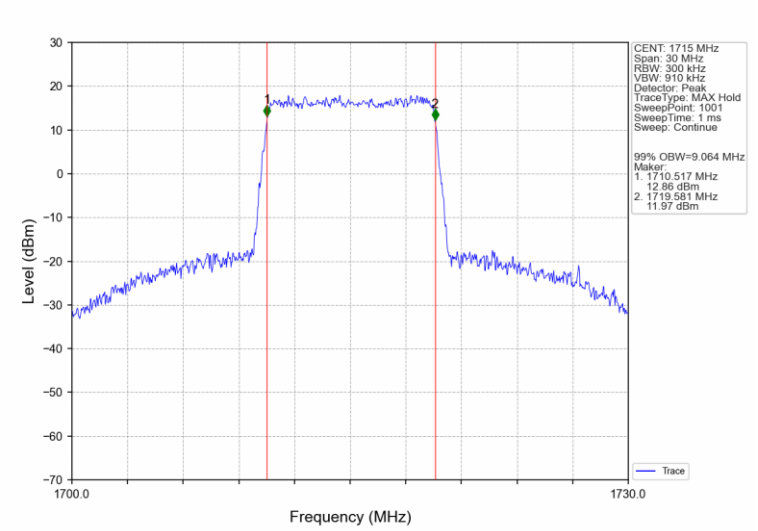
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



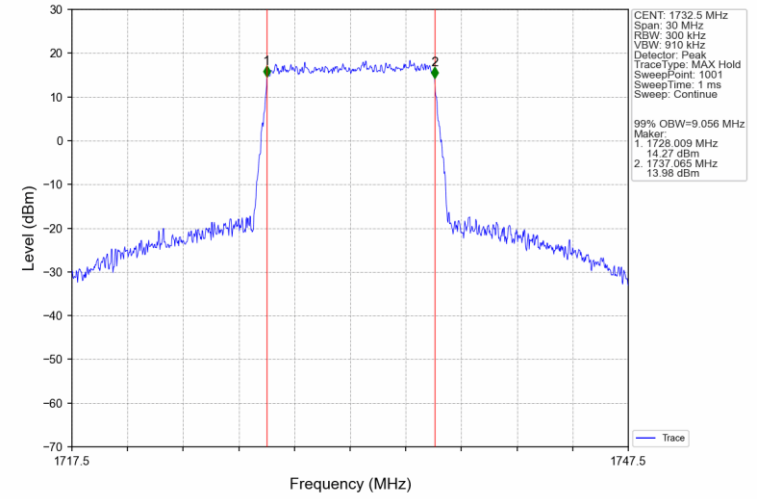
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



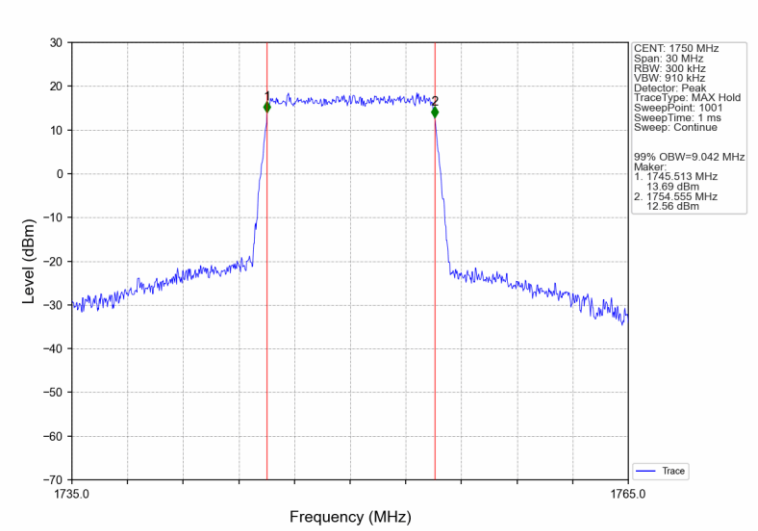
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



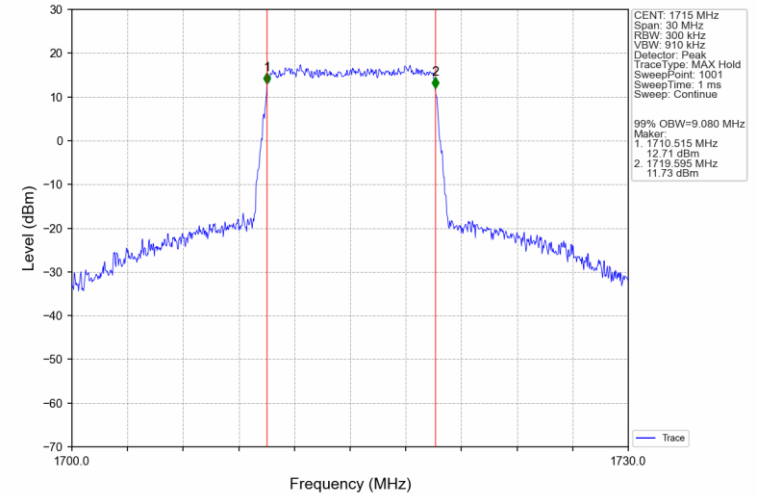
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



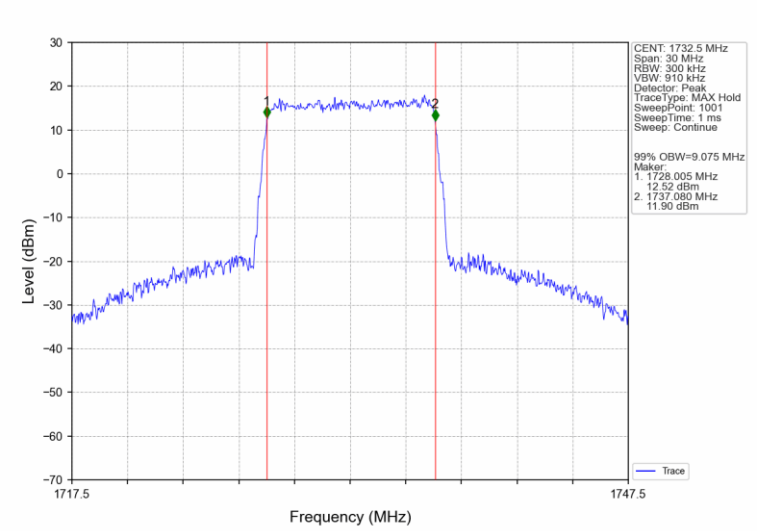
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



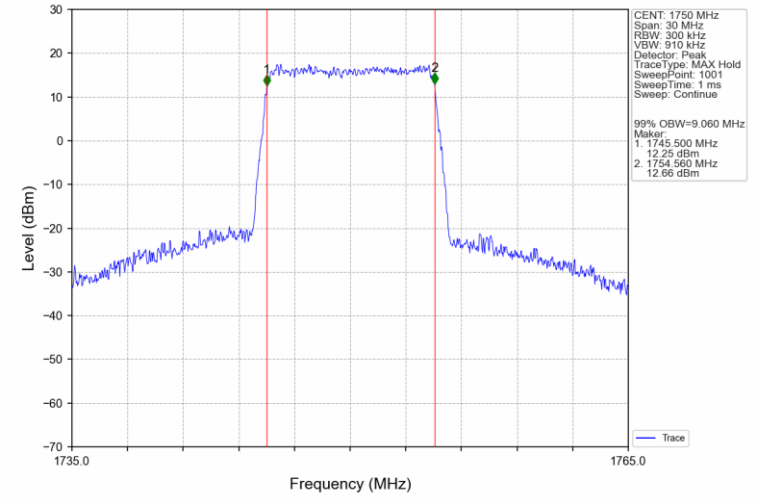
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



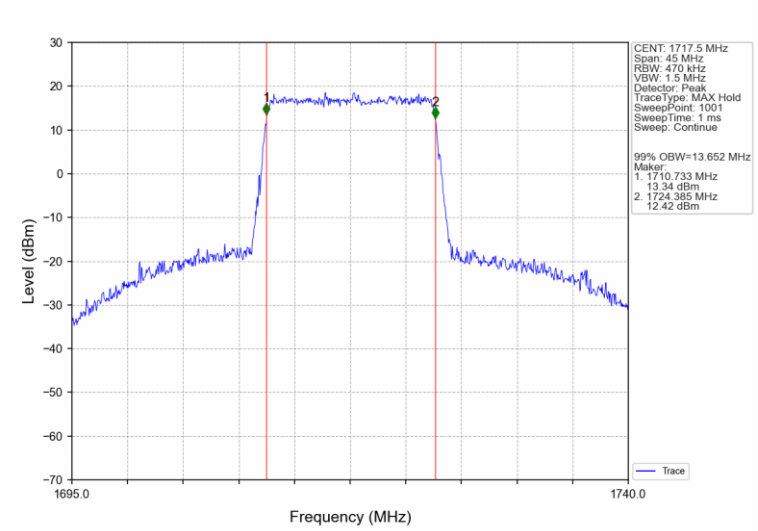
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



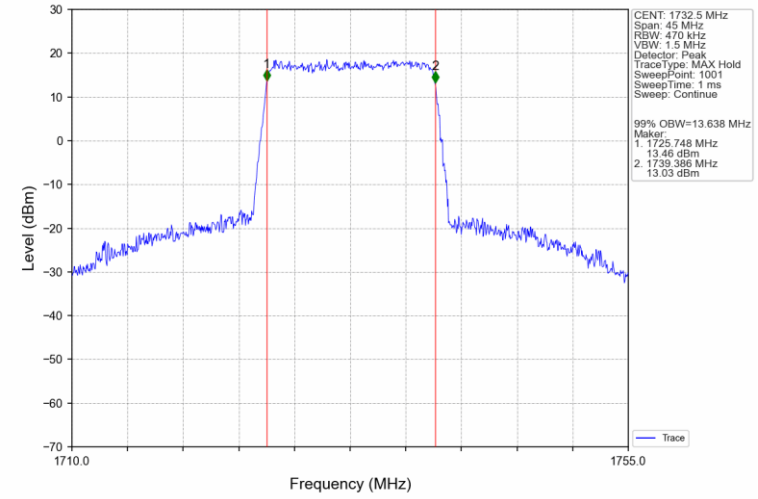
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



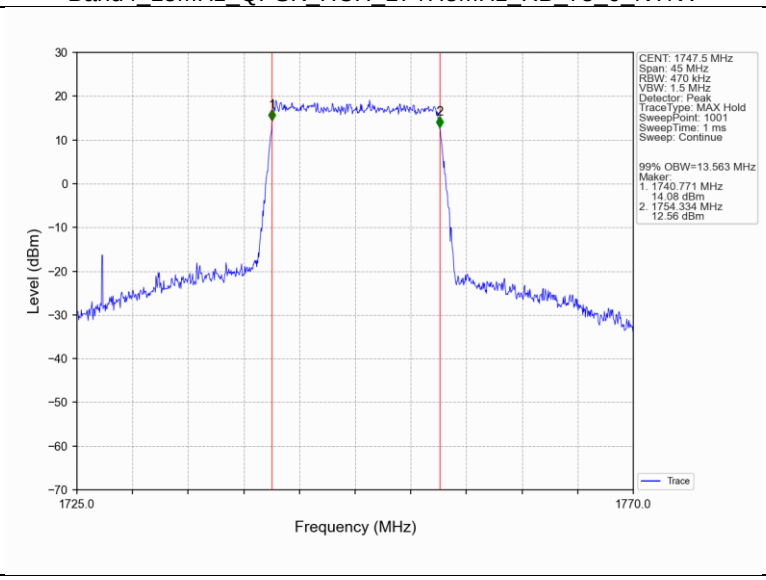
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



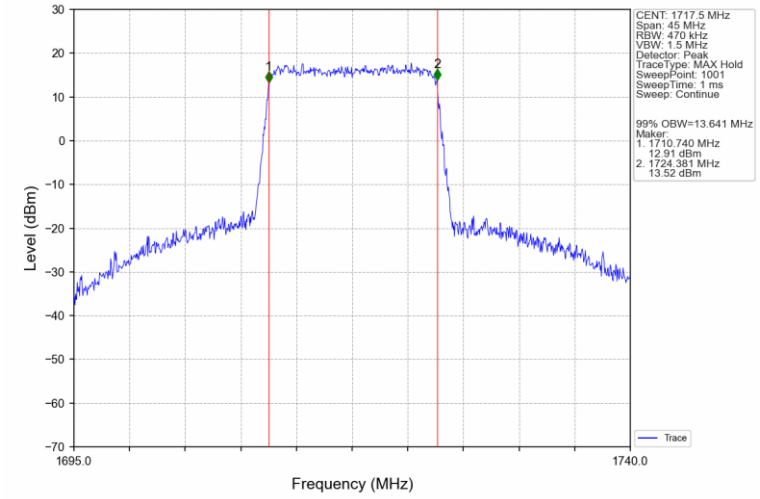
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



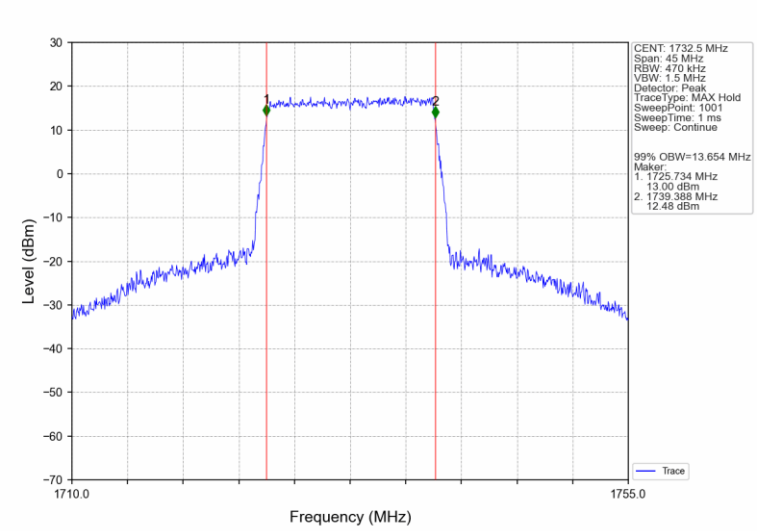
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



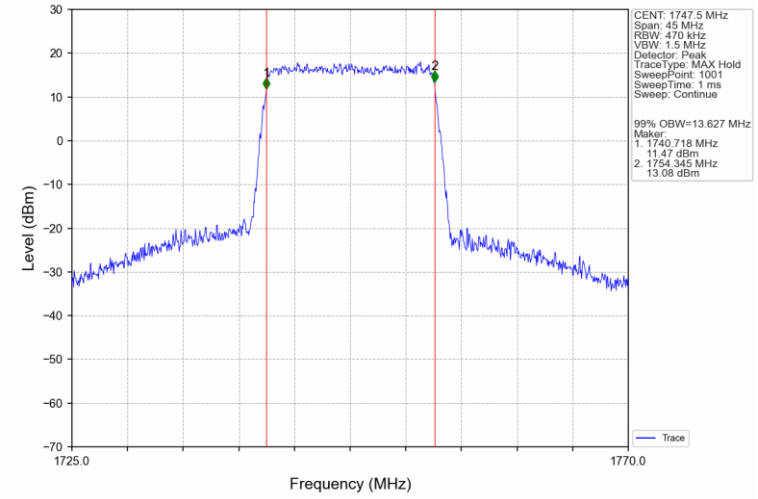
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



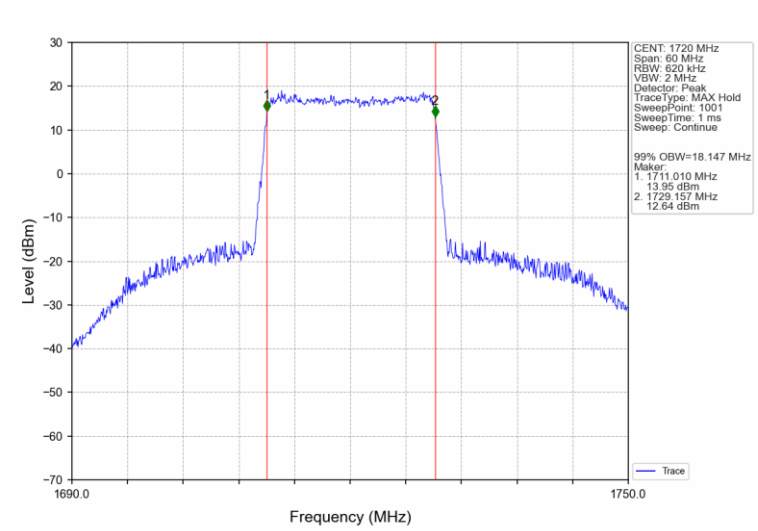
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



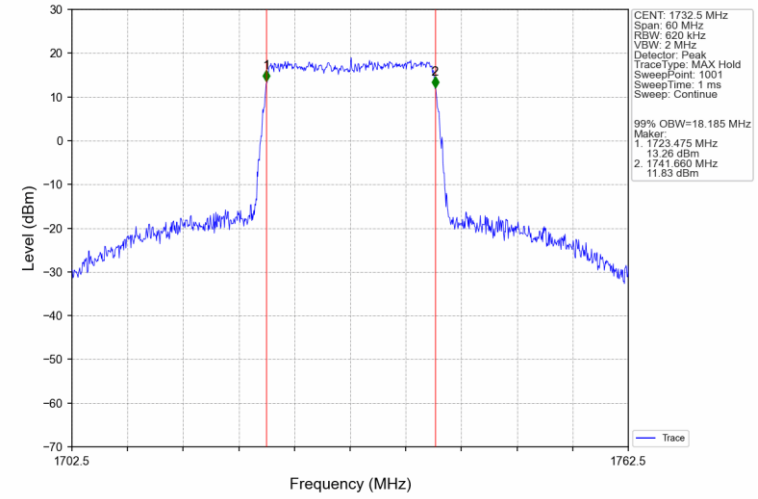
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



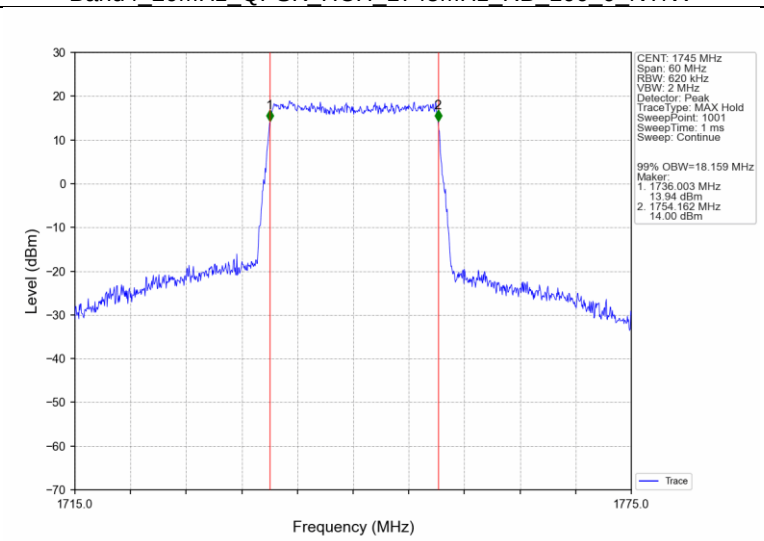
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



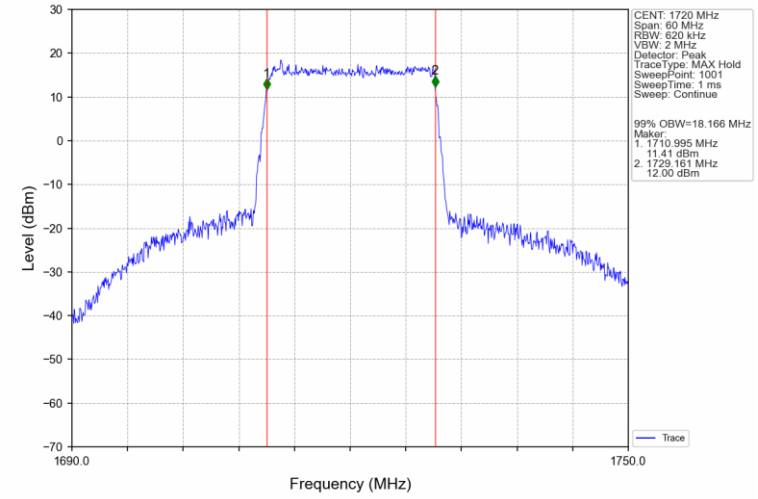
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



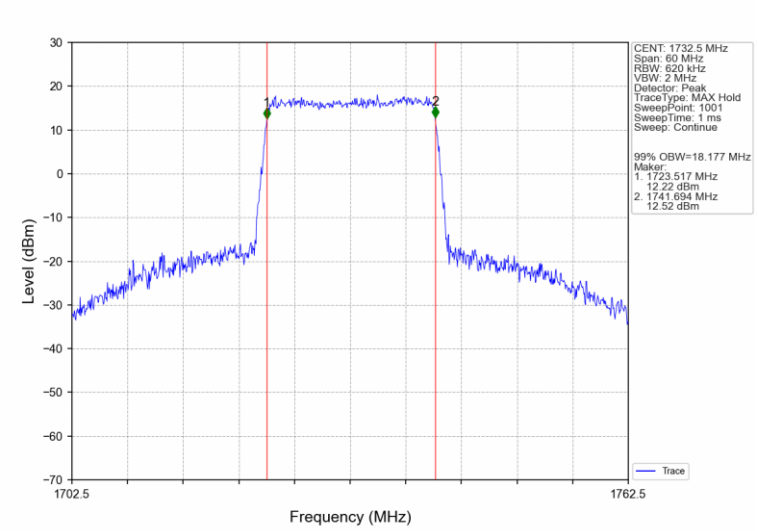
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



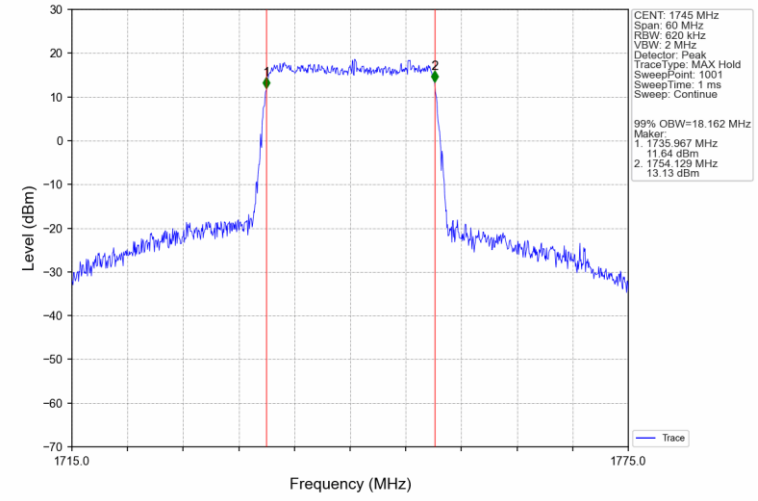
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



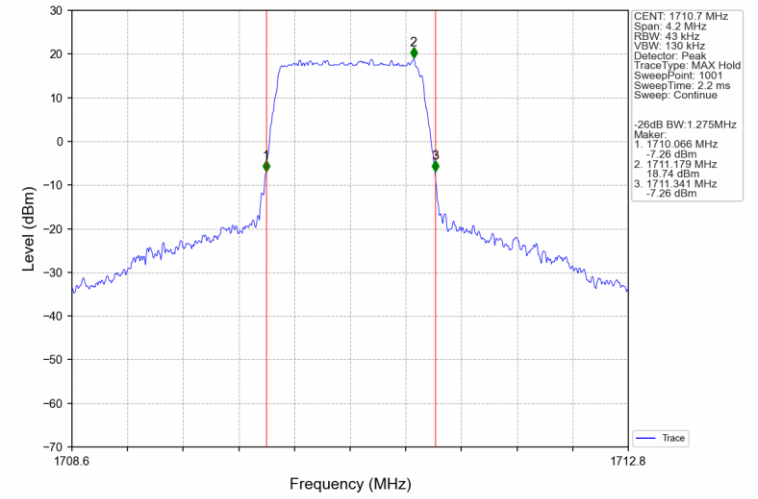
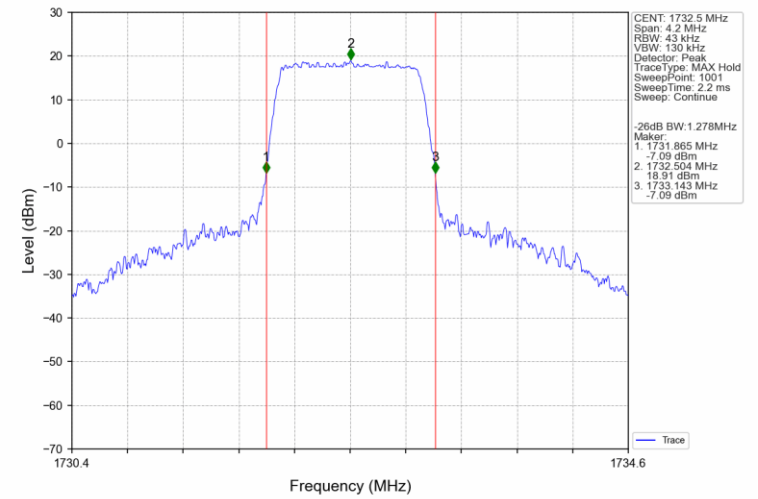
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



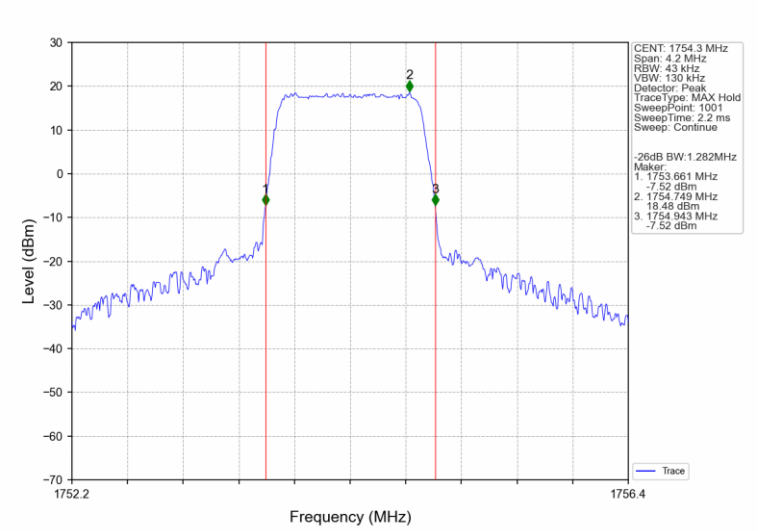
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



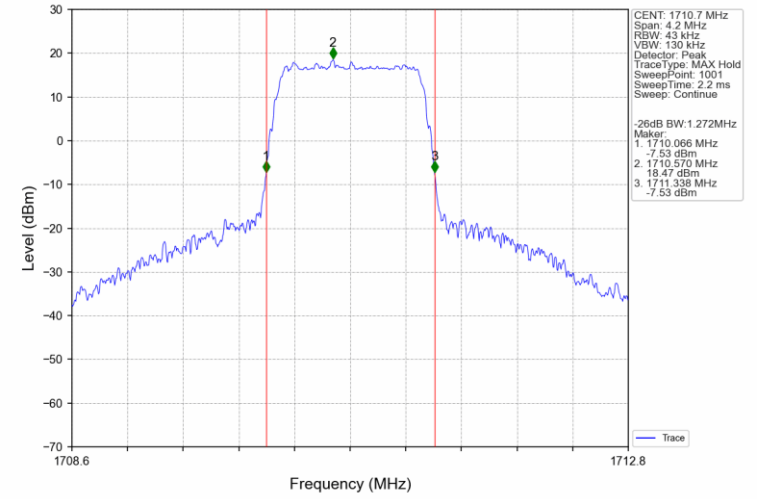
4.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV


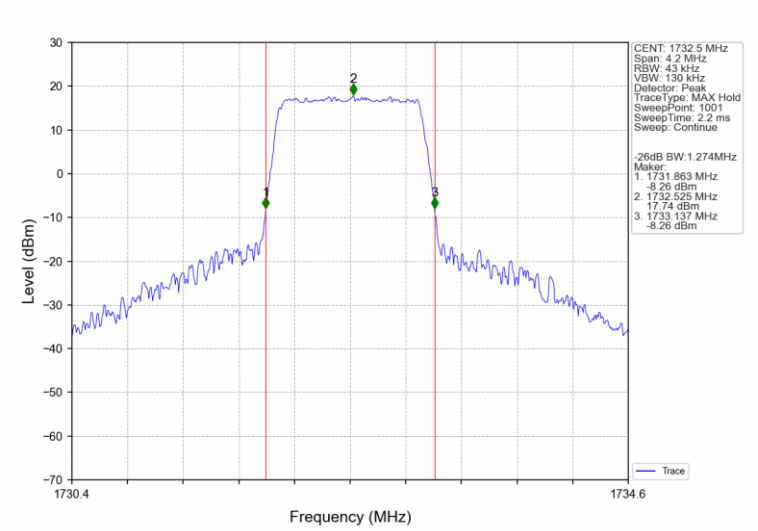
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



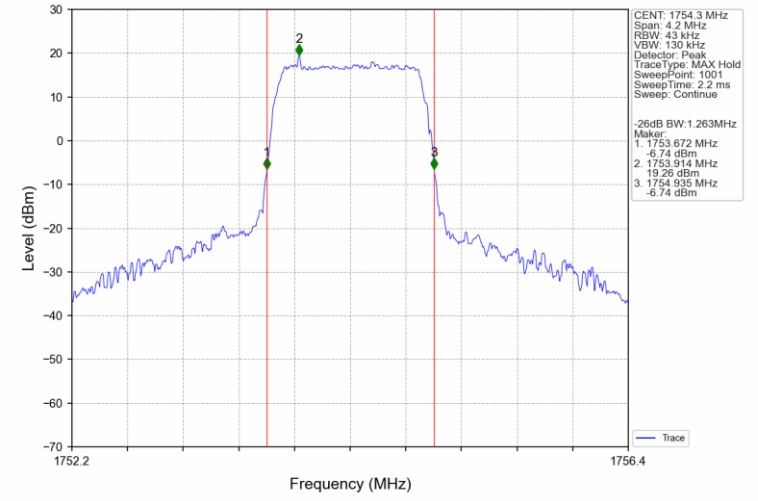
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



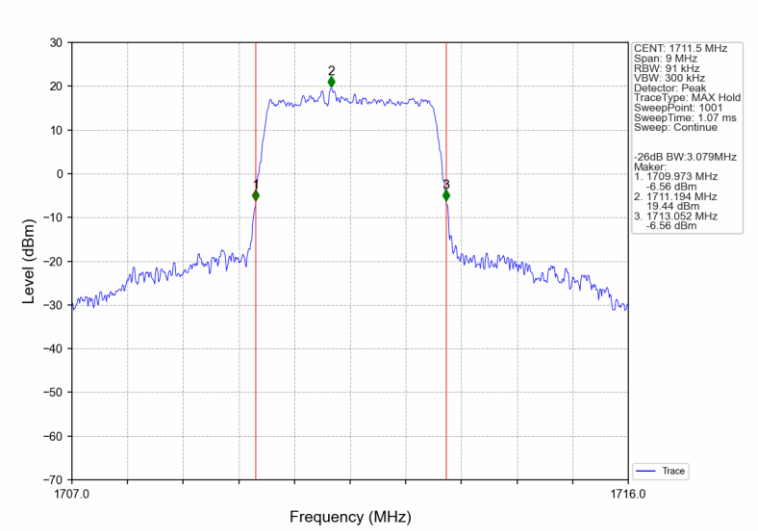
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



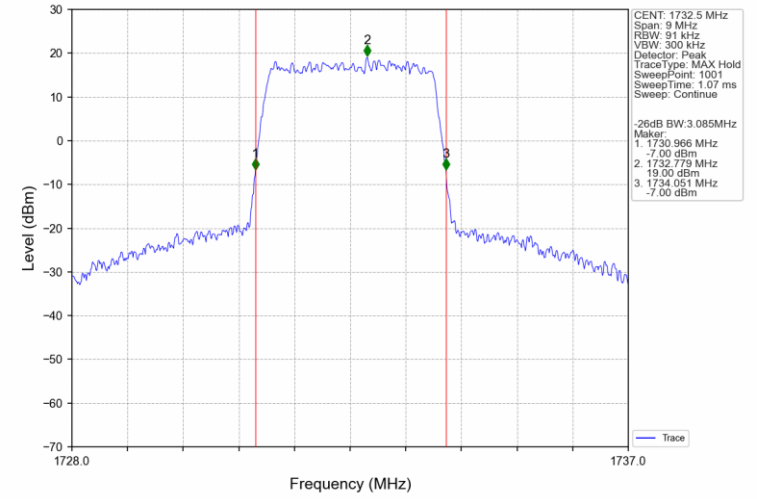
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



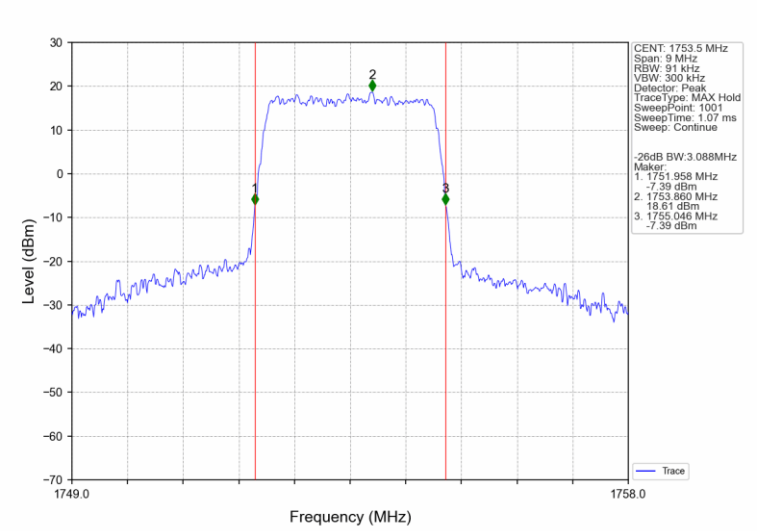
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



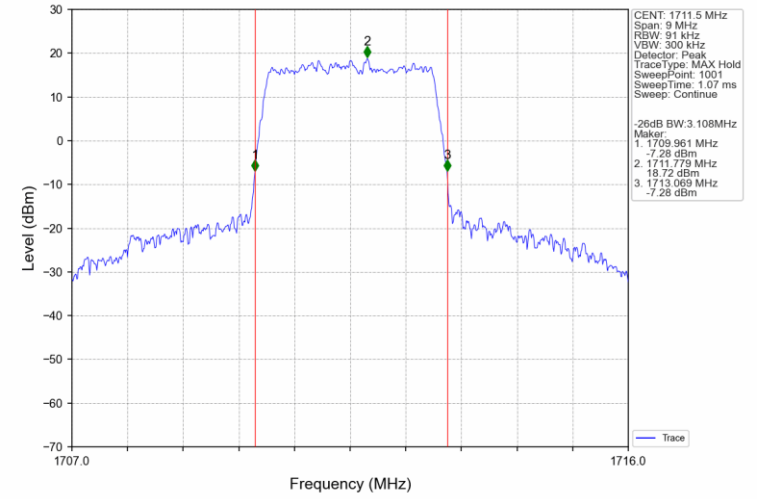
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



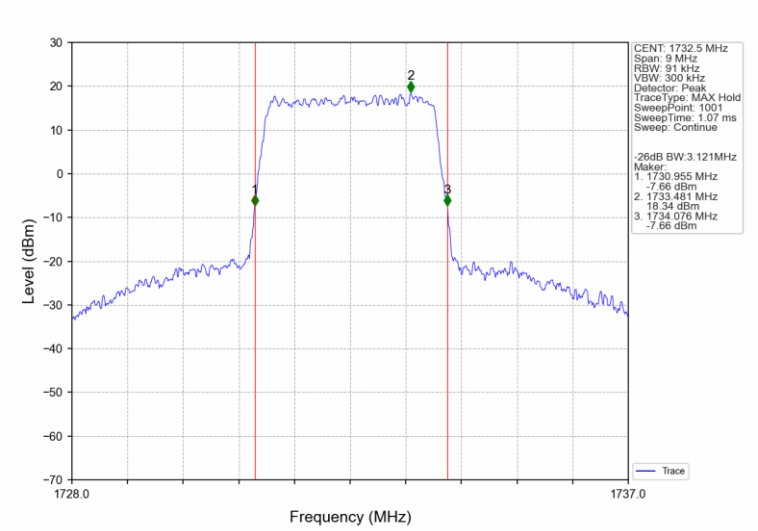
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



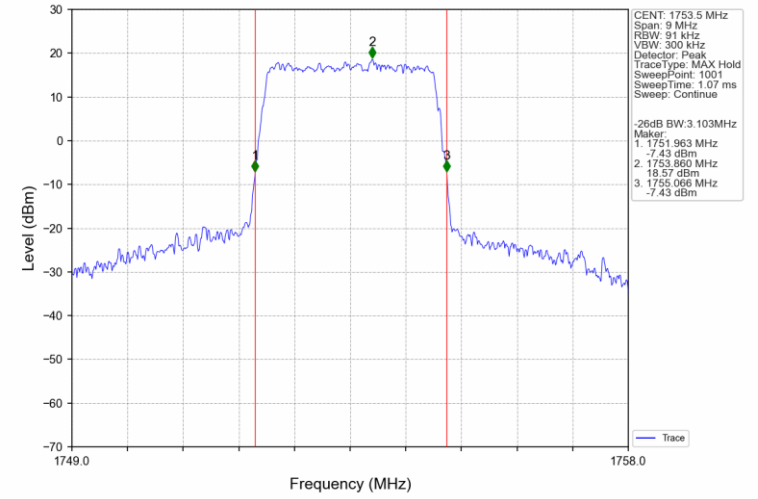
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



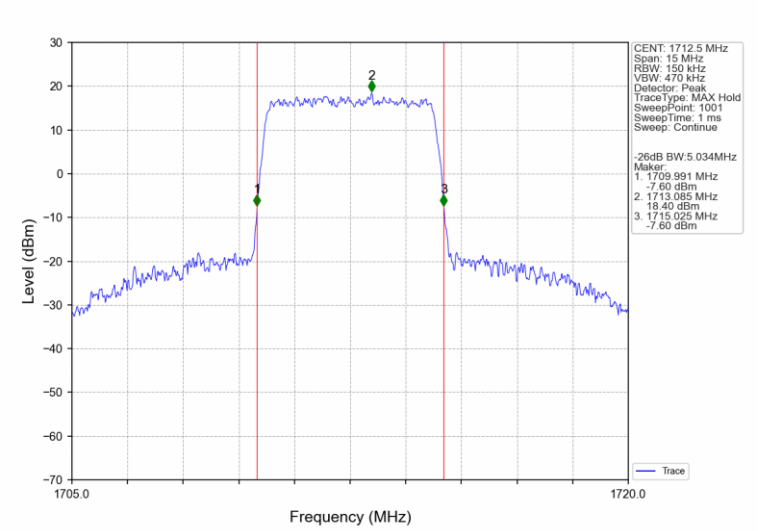
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



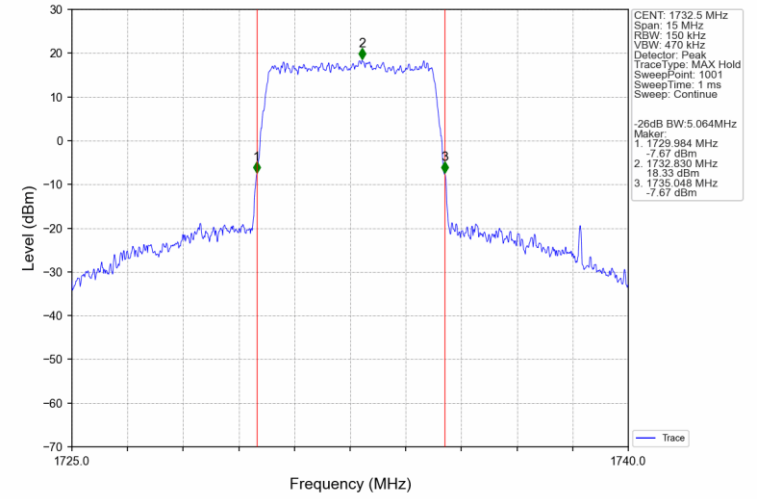
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



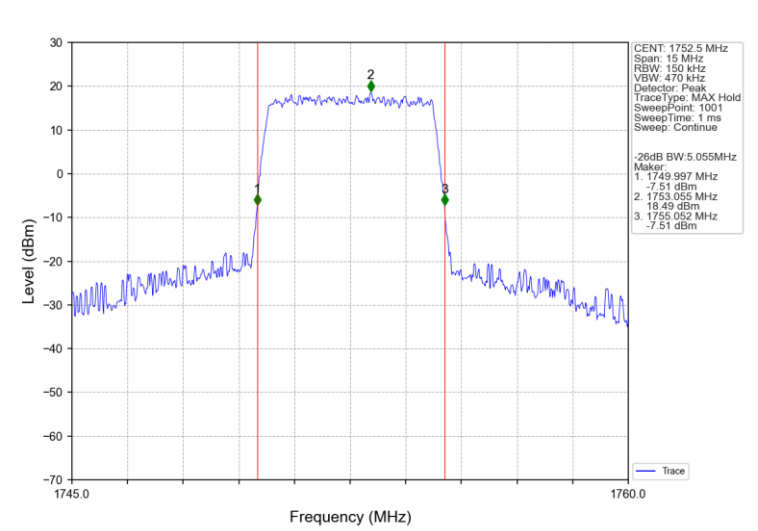
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



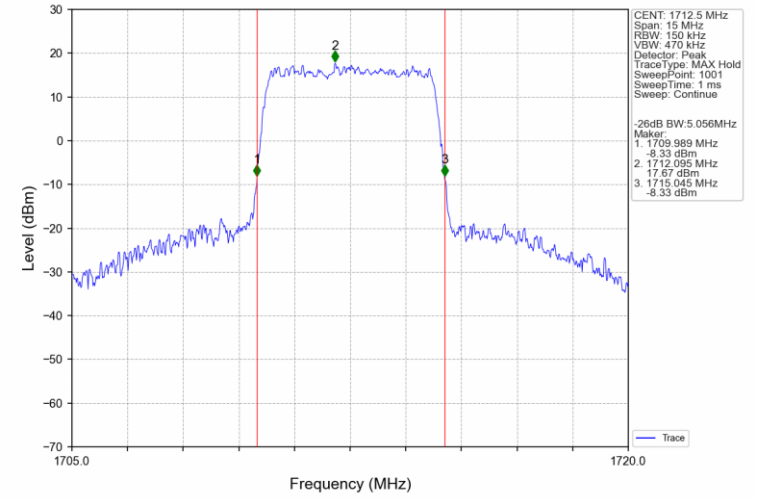
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



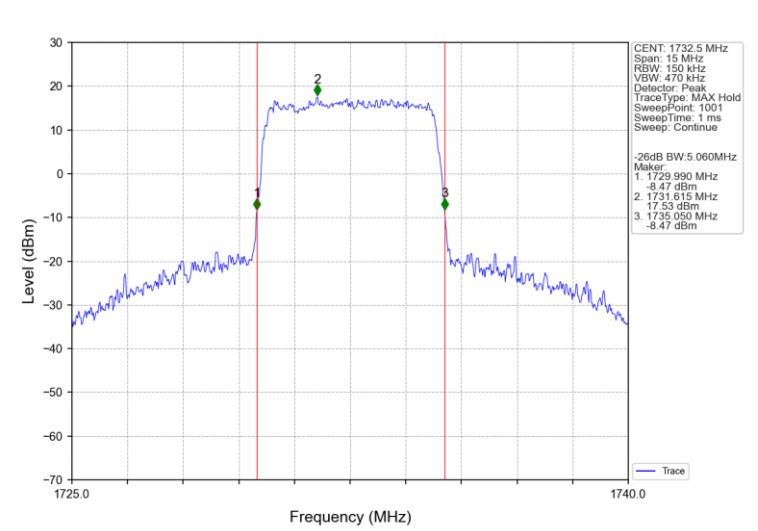
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



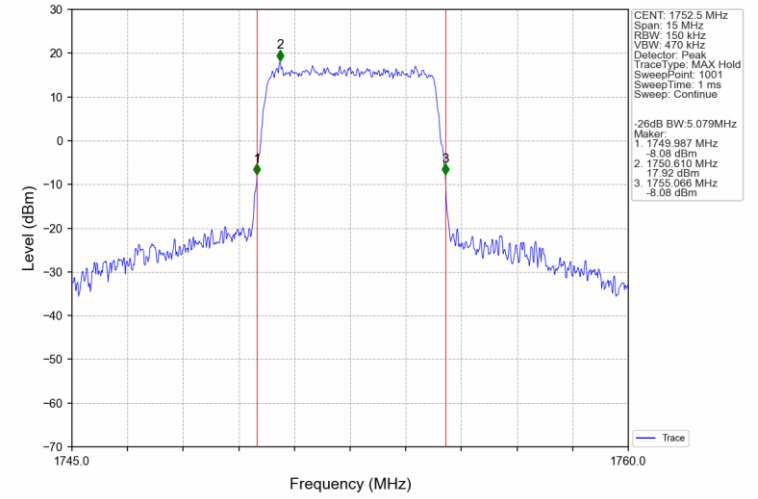
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



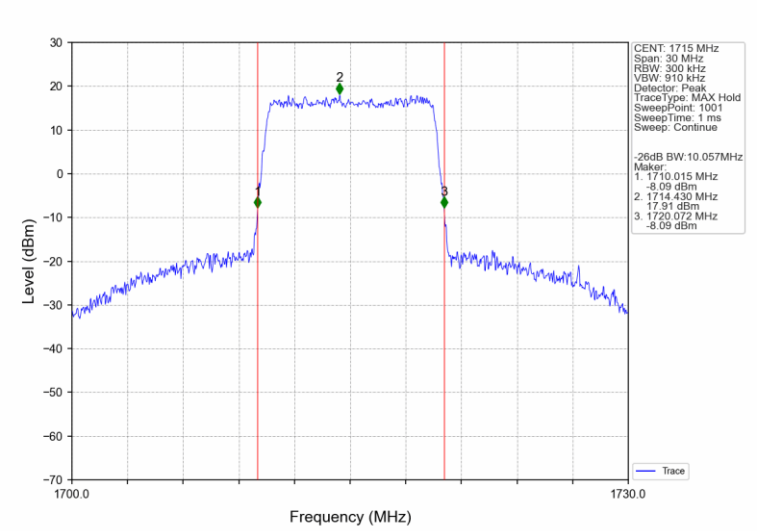
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



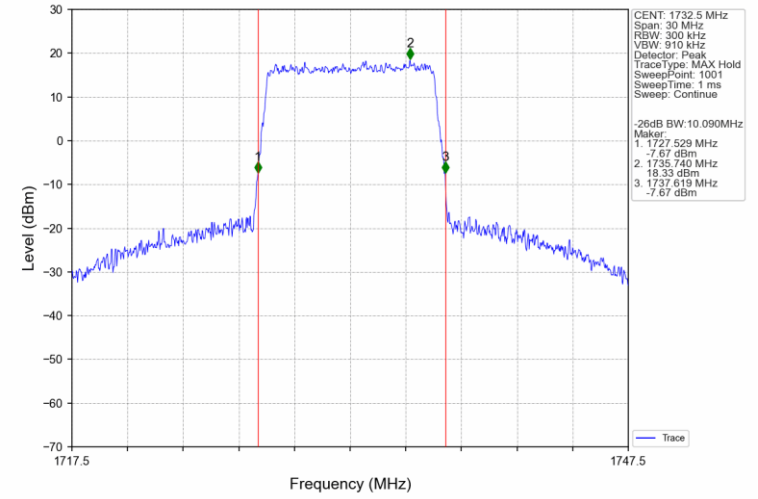
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



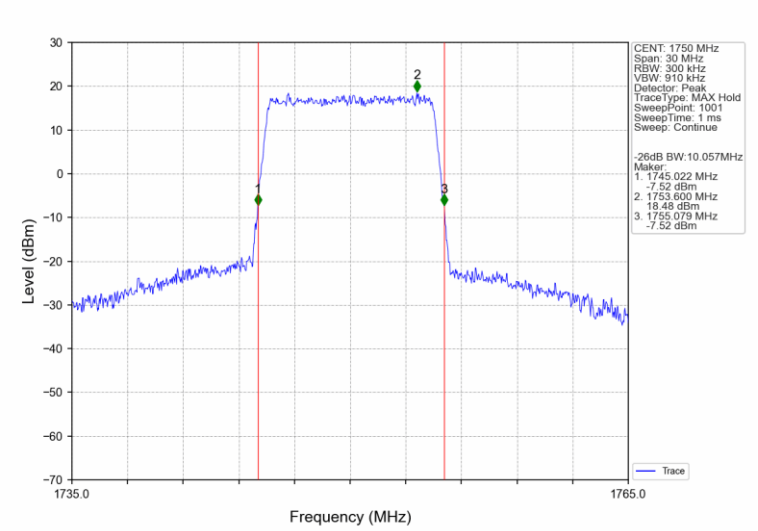
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



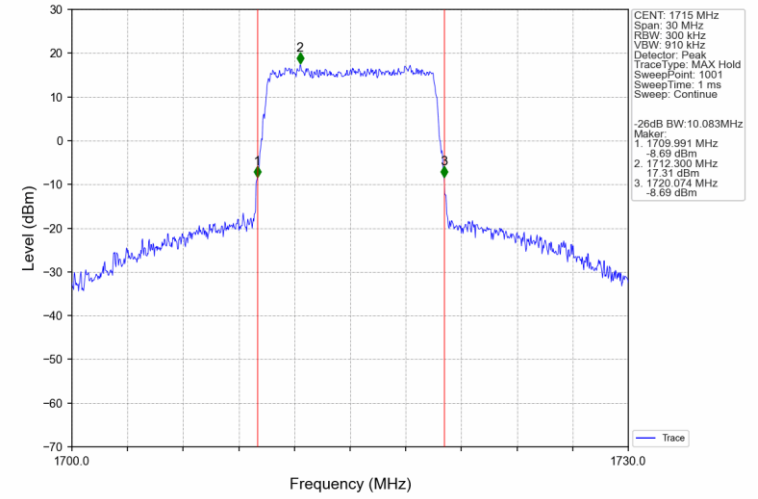
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



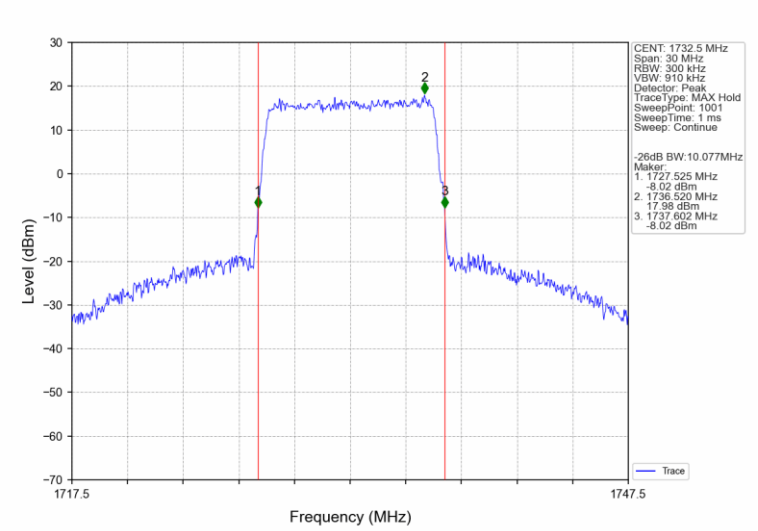
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



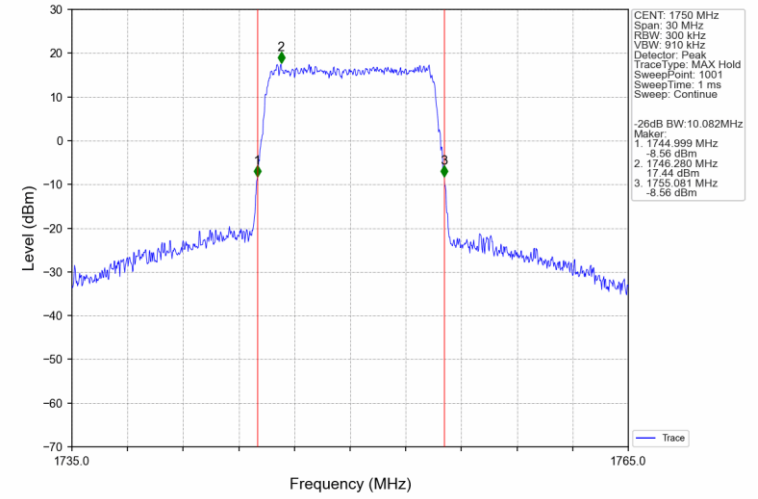
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



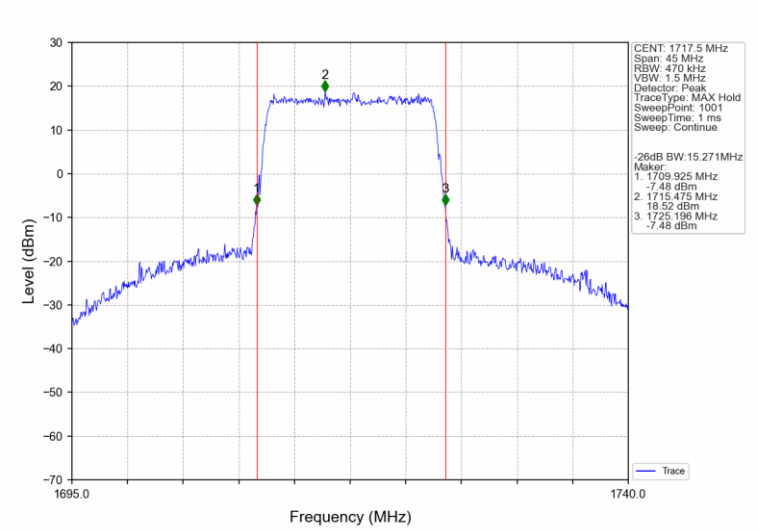
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



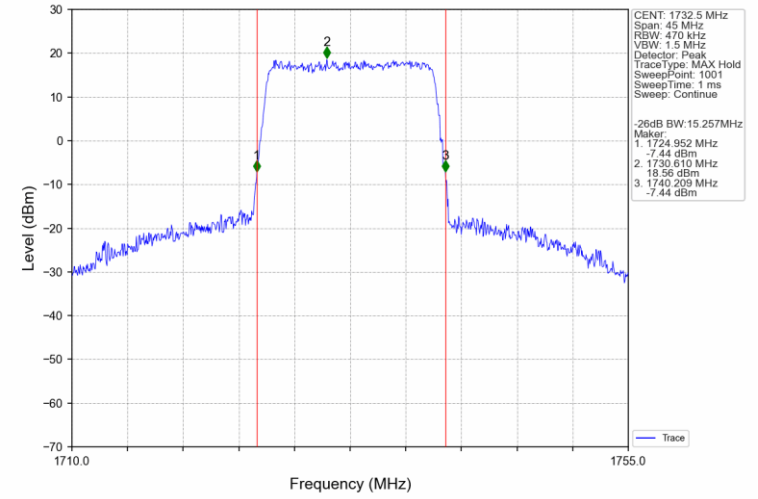
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



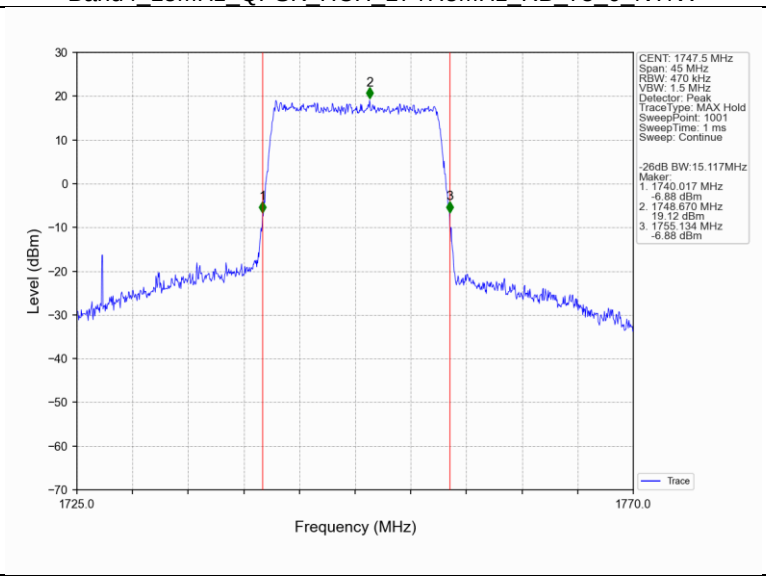
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



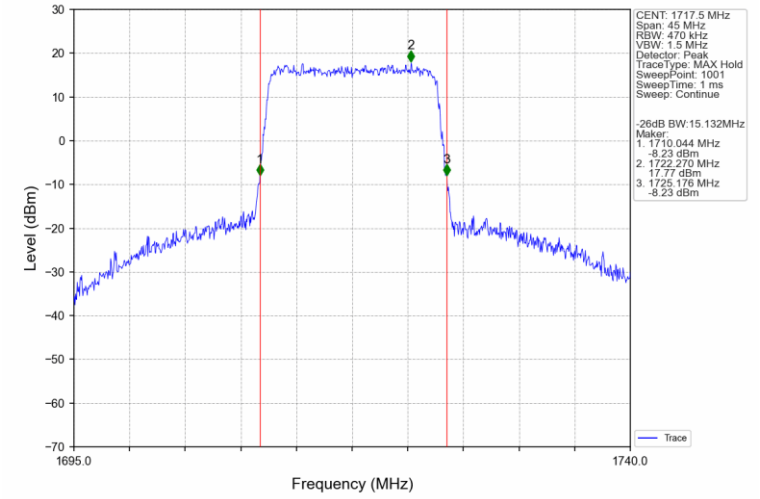
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



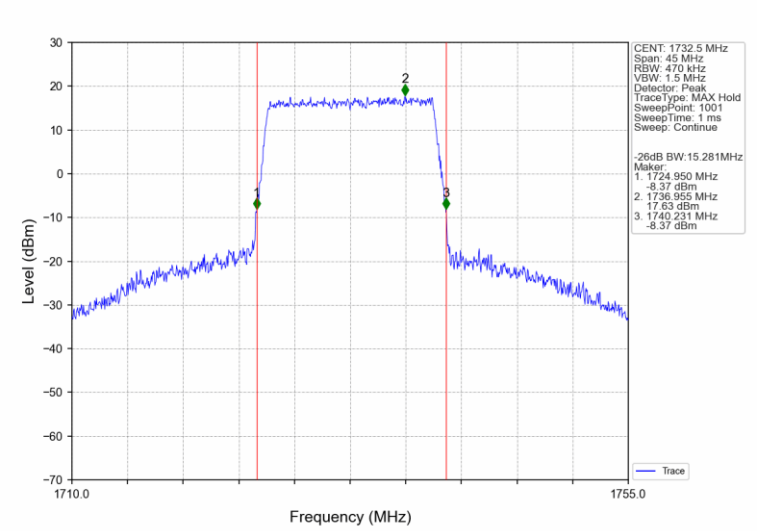
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



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