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	23.52	0.72	24.24	<=30	Pass
			2	23.62	0.72	24.34	<=30	Pass
			5	23.54	0.72	24.26	<=30	Pass
		3	0	23.63	0.72	24.35	<=30	Pass
			2	23.64	0.72	24.36	<=30	Pass
			3	23.62	0.72	24.34	<=30	Pass
		6	0	22.62	0.72	23.34	<=30	Pass
	1732.5	1	0	23.44	0.72	24.16	<=30	Pass
			2	23.55	0.72	24.27	<=30	Pass
			5	23.37	0.72	24.09	<=30	Pass
		3	0	23.30	0.72	24.02	<=30	Pass
			2	23.12	0.72	23.84	<=30	Pass
			3	23.10	0.72	23.82	<=30	Pass
		6	0	22.02	0.72	22.74	<=30	Pass
	1754.3	1	0	22.95	0.72	23.67	<=30	Pass
			2	23.06	0.72	23.78	<=30	Pass
			5	22.93	0.72	23.65	<=30	Pass
		3	0	22.96	0.72	23.68	<=30	Pass
			2	22.99	0.72	23.71	<=30	Pass
			3	22.97	0.72	23.69	<=30	Pass
		6	0	21.94	0.72	22.66	<=30	Pass
16QAM	1710.7	1	0	22.65	0.72	23.37	<=30	Pass
			2	22.77	0.72	23.49	<=30	Pass
			5	22.65	0.72	23.37	<=30	Pass
		3	0	22.54	0.72	23.26	<=30	Pass
			2	22.56	0.72	23.28	<=30	Pass
			3	22.53	0.72	23.25	<=30	Pass
		6	0	21.59	0.72	22.31	<=30	Pass
	1732.5	1	0	21.98	0.72	22.70	<=30	Pass
			2	22.11	0.72	22.83	<=30	Pass
			5	21.99	0.72	22.71	<=30	Pass
		3	0	22.30	0.72	23.02	<=30	Pass
			2	22.35	0.72	23.07	<=30	Pass
			3	22.34	0.72	23.06	<=30	Pass
		6	0	21.10	0.72	21.82	<=30	Pass
	1754.3	1	0	21.89	0.72	22.61	<=30	Pass
			2	22.01	0.72	22.73	<=30	Pass
			5	21.92	0.72	22.64	<=30	Pass
		3	0	21.97	0.72	22.69	<=30	Pass
			2	22.01	0.72	22.73	<=30	Pass
			3	21.99	0.72	22.71	<=30	Pass
		6	0	20.90	0.72	21.62	<=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	23.60	0.72	24.32	<=30	Pass
			7	23.71	0.72	24.43	<=30	Pass
			14	23.58	0.72	24.30	<=30	Pass
		8	0	22.44	0.72	23.16	<=30	Pass
			4	22.39	0.72	23.11	<=30	Pass
			7	22.25	0.72	22.97	<=30	Pass
		15	0	22.07	0.72	22.79	<=30	Pass
	1732.5	1	0	23.11	0.72	23.83	<=30	Pass
			7	23.22	0.72	23.94	<=30	Pass
			14	23.03	0.72	23.75	<=30	Pass
		8	0	22.03	0.72	22.75	<=30	Pass
			4	22.08	0.72	22.80	<=30	Pass
			7	22.04	0.72	22.76	<=30	Pass
		15	0	22.04	0.72	22.76	<=30	Pass
	1753.5	1	0	22.98	0.72	23.70	<=30	Pass
			7	23.11	0.72	23.83	<=30	Pass
			14	22.99	0.72	23.71	<=30	Pass
		8	0	21.98	0.72	22.70	<=30	Pass
			4	22.01	0.72	22.73	<=30	Pass
			7	21.97	0.72	22.69	<=30	Pass
		15	0	21.95	0.72	22.67	<=30	Pass
16QAM	1711.5	1	0	22.62	0.72	23.34	<=30	Pass
			7	22.68	0.72	23.40	<=30	Pass
			14	22.51	0.72	23.23	<=30	Pass
		8	0	21.25	0.72	21.97	<=30	Pass
			4	21.28	0.72	22.00	<=30	Pass
			7	21.26	0.72	21.98	<=30	Pass
		15	0	21.18	0.72	21.90	<=30	Pass
	1732.5	1	0	22.16	0.72	22.88	<=30	Pass
			7	22.26	0.72	22.98	<=30	Pass
			14	22.04	0.72	22.76	<=30	Pass
		8	0	21.20	0.72	21.92	<=30	Pass
			4	21.20	0.72	21.92	<=30	Pass
			7	21.16	0.72	21.88	<=30	Pass
		15	0	21.17	0.72	21.89	<=30	Pass
	1753.5	1	0	22.10	0.72	22.82	<=30	Pass
			7	22.24	0.72	22.96	<=30	Pass
			14	22.12	0.72	22.84	<=30	Pass
		8	0	20.96	0.72	21.68	<=30	Pass
			4	21.02	0.72	21.74	<=30	Pass
			7	20.97	0.72	21.69	<=30	Pass
		15	0	20.94	0.72	21.66	<=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	23.04	0.72	23.76	<=30	Pass
			13	23.09	0.72	23.81	<=30	Pass
			24	23.00	0.72	23.72	<=30	Pass
		12	0	22.03	0.72	22.75	<=30	Pass
			6	22.11	0.72	22.83	<=30	Pass
			13	22.07	0.72	22.79	<=30	Pass
		25	0	22.04	0.72	22.76	<=30	Pass

	1732.5	1	0	22.99	0.72	23.71	<=30	Pass
			13	23.09	0.72	23.81	<=30	Pass
			24	22.97	0.72	23.69	<=30	Pass
		12	0	22.07	0.72	22.79	<=30	Pass
			6	22.08	0.72	22.80	<=30	Pass
			13	22.08	0.72	22.80	<=30	Pass
		25	0	22.08	0.72	22.80	<=30	Pass
	1752.5	1	0	22.90	0.72	23.62	<=30	Pass
			13	23.03	0.72	23.75	<=30	Pass
			24	22.92	0.72	23.64	<=30	Pass
		12	0	21.94	0.72	22.66	<=30	Pass
			6	22.00	0.72	22.72	<=30	Pass
			13	21.98	0.72	22.70	<=30	Pass
		25	0	21.95	0.72	22.67	<=30	Pass
16QAM	1712.5	1	0	22.29	0.72	23.01	<=30	Pass
			13	22.30	0.72	23.02	<=30	Pass
			24	22.23	0.72	22.95	<=30	Pass
		12	0	21.10	0.72	21.82	<=30	Pass
			6	21.19	0.72	21.91	<=30	Pass
			13	21.17	0.72	21.89	<=30	Pass
		25	0	21.10	0.72	21.82	<=30	Pass
	1732.5	1	0	21.93	0.72	22.65	<=30	Pass
			13	21.94	0.72	22.66	<=30	Pass
			24	21.88	0.72	22.60	<=30	Pass
		12	0	21.16	0.72	21.88	<=30	Pass
			6	21.14	0.72	21.86	<=30	Pass
			13	21.14	0.72	21.86	<=30	Pass
		25	0	21.14	0.72	21.86	<=30	Pass
	1752.5	1	0	21.96	0.72	22.68	<=30	Pass
			13	22.05	0.72	22.77	<=30	Pass
			24	21.96	0.72	22.68	<=30	Pass
		12	0	20.93	0.72	21.65	<=30	Pass
			6	21.02	0.72	21.74	<=30	Pass
			13	20.96	0.72	21.68	<=30	Pass
		25	0	20.99	0.72	21.71	<=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	23.09	0.72	23.81	<=30	Pass
			25	23.27	0.72	23.99	<=30	Pass
			49	23.11	0.72	23.83	<=30	Pass
		25	0	22.08	0.72	22.80	<=30	Pass
			13	22.11	0.72	22.83	<=30	Pass
			25	22.19	0.72	22.91	<=30	Pass
		50	0	22.11	0.72	22.83	<=30	Pass
	1732.5	1	0	23.07	0.72	23.79	<=30	Pass
			25	23.12	0.72	23.84	<=30	Pass
			49	23.00	0.72	23.72	<=30	Pass
		25	0	22.17	0.72	22.89	<=30	Pass
			13	22.11	0.72	22.83	<=30	Pass
			25	22.10	0.72	22.82	<=30	Pass
		50	0	22.17	0.72	22.89	<=30	Pass
	1750	1	0	23.02	0.72	23.74	<=30	Pass
			25	23.18	0.72	23.90	<=30	Pass

			49	23.03	0.72	23.75	<=30	Pass
		25	0	21.98	0.72	22.70	<=30	Pass
			13	22.00	0.72	22.72	<=30	Pass
			25	22.02	0.72	22.74	<=30	Pass
		50	0	22.00	0.72	22.72	<=30	Pass
16QAM	1715	1	0	22.25	0.72	22.97	<=30	Pass
			25	22.41	0.72	23.13	<=30	Pass
			49	22.28	0.72	23.00	<=30	Pass
		25	0	21.16	0.72	21.88	<=30	Pass
			13	21.20	0.72	21.92	<=30	Pass
			25	21.25	0.72	21.97	<=30	Pass
		50	0	21.16	0.72	21.88	<=30	Pass
	1732.5	1	0	22.65	0.72	23.37	<=30	Pass
			25	22.80	0.72	23.52	<=30	Pass
			49	22.58	0.72	23.30	<=30	Pass
		25	0	21.28	0.72	22.00	<=30	Pass
			13	21.25	0.72	21.97	<=30	Pass
			25	21.23	0.72	21.95	<=30	Pass
		50	0	21.24	0.72	21.96	<=30	Pass
	1750	1	0	21.95	0.72	22.67	<=30	Pass
			25	22.13	0.72	22.85	<=30	Pass
			49	21.97	0.72	22.69	<=30	Pass
		25	0	21.08	0.72	21.80	<=30	Pass
			13	21.08	0.72	21.80	<=30	Pass
			25	21.13	0.72	21.85	<=30	Pass
		50	0	21.06	0.72	21.78	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.01	0.72	23.73	<=30	Pass
			38	23.18	0.72	23.90	<=30	Pass
			74	23.01	0.72	23.73	<=30	Pass
		36	0	22.12	0.72	22.84	<=30	Pass
			18	22.26	0.72	22.98	<=30	Pass
			39	22.24	0.72	22.96	<=30	Pass
		75	0	22.21	0.72	22.93	<=30	Pass
	1732.5	1	0	23.00	0.72	23.72	<=30	Pass
			38	23.08	0.72	23.80	<=30	Pass
			74	22.90	0.72	23.62	<=30	Pass
		36	0	22.15	0.72	22.87	<=30	Pass
			18	22.11	0.72	22.83	<=30	Pass
			39	22.13	0.72	22.85	<=30	Pass
		75	0	22.15	0.72	22.87	<=30	Pass
	1747.5	1	0	22.89	0.72	23.61	<=30	Pass
			38	23.05	0.72	23.77	<=30	Pass
			74	22.89	0.72	23.61	<=30	Pass
		36	0	22.06	0.72	22.78	<=30	Pass
			18	22.11	0.72	22.83	<=30	Pass
			39	22.14	0.72	22.86	<=30	Pass
		75	0	22.09	0.72	22.81	<=30	Pass
16QAM	1717.5	1	0	22.31	0.72	23.03	<=30	Pass
			38	22.42	0.72	23.14	<=30	Pass
			74	22.36	0.72	23.08	<=30	Pass
		36	0	21.09	0.72	21.81	<=30	Pass

			18	21.19	0.72	21.91	<=30	Pass
			39	21.21	0.72	21.93	<=30	Pass
		75	0	21.16	0.72	21.88	<=30	Pass
	1732.5	1	0	22.22	0.72	22.94	<=30	Pass
			38	22.26	0.72	22.98	<=30	Pass
			74	22.08	0.72	22.80	<=30	Pass
		36	0	21.20	0.72	21.92	<=30	Pass
			18	21.16	0.72	21.88	<=30	Pass
			39	21.14	0.72	21.86	<=30	Pass
		75	0	21.20	0.72	21.92	<=30	Pass
	1747.5	1	0	22.40	0.72	23.12	<=30	Pass
			38	22.42	0.72	23.14	<=30	Pass
			74	22.33	0.72	23.05	<=30	Pass
		36	0	21.05	0.72	21.77	<=30	Pass
			18	21.07	0.72	21.79	<=30	Pass
			39	21.09	0.72	21.81	<=30	Pass
		75	0	21.08	0.72	21.80	<=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	22.84	0.72	23.56	<=30	Pass
			50	23.27	0.72	23.99	<=30	Pass
			99	22.88	0.72	23.60	<=30	Pass
		50	0	21.99	0.72	22.71	<=30	Pass
			25	22.14	0.72	22.86	<=30	Pass
			50	22.07	0.72	22.79	<=30	Pass
		100	0	22.08	0.72	22.80	<=30	Pass
	1732.5	1	0	22.86	0.72	23.58	<=30	Pass
			50	23.16	0.72	23.88	<=30	Pass
			99	22.74	0.72	23.46	<=30	Pass
		50	0	22.16	0.72	22.88	<=30	Pass
			25	22.12	0.72	22.84	<=30	Pass
			50	22.06	0.72	22.78	<=30	Pass
		100	0	22.10	0.72	22.82	<=30	Pass
	1745	1	0	22.73	0.72	23.45	<=30	Pass
			50	23.12	0.72	23.84	<=30	Pass
			99	22.70	0.72	23.42	<=30	Pass
		50	0	21.93	0.72	22.65	<=30	Pass
			25	21.98	0.72	22.70	<=30	Pass
			50	22.01	0.72	22.73	<=30	Pass
		100	0	21.99	0.72	22.71	<=30	Pass
16QAM	1720	1	0	22.03	0.72	22.75	<=30	Pass
			50	22.41	0.72	23.13	<=30	Pass
			99	22.12	0.72	22.84	<=30	Pass
		50	0	21.05	0.72	21.77	<=30	Pass
			25	21.20	0.72	21.92	<=30	Pass
			50	21.16	0.72	21.88	<=30	Pass
		100	0	21.11	0.72	21.83	<=30	Pass
	1732.5	1	0	22.13	0.72	22.85	<=30	Pass
			50	22.53	0.72	23.25	<=30	Pass
			99	22.01	0.72	22.73	<=30	Pass
		50	0	21.26	0.72	21.98	<=30	Pass
			25	21.19	0.72	21.91	<=30	Pass
			50	21.08	0.72	21.80	<=30	Pass

		100	0	21.20	0.72	21.92	<=30	Pass
	1745	1	0	22.31	0.72	23.03	<=30	Pass
			50	22.56	0.72	23.28	<=30	Pass
			99	22.21	0.72	22.93	<=30	Pass
		50	0	21.00	0.72	21.72	<=30	Pass
			25	21.03	0.72	21.75	<=30	Pass
			50	20.98	0.72	21.70	<=30	Pass
		100	0	21.02	0.72	21.74	<=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	-15.492	-0.0091	-2.5 to 2.5	Pass
					3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
					4.43	-8.783	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-11.201	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-9.069	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-9.441	-0.0055	-2.5 to 2.5	Pass
				0	3.85	3.734	0.0022	-2.5 to 2.5	Pass
				10	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				40	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-12.517	-0.0073	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-4.020	-0.0023	-2.5 to 2.5	Pass
					3.85	-5.422	-0.0031	-2.5 to 2.5	Pass
					4.43	-4.964	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-9.484	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-9.470	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-6.151	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-7.067	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	3.934	0.0022	-2.5 to 2.5	Pass
					3.85	-11.859	-0.0068	-2.5 to 2.5	Pass
					4.43	-12.031	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-8.640	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-10.443	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-9.241	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-8.440	-0.0048	-2.5 to 2.5	Pass
				50	3.85	2.418	0.0014	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-8.912	-0.0052	-2.5 to 2.5	Pass
					3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
					4.43	-9.184	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	0.257	0.0002	-2.5 to 2.5	Pass

				-20	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-9.198	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-7.710	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	1.273	0.0007	-2.5 to 2.5	Pass
					3.85	-8.054	-0.0046	-2.5 to 2.5	Pass
					4.43	-0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-8.025	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-5.364	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				30	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-3.920	-0.0023	-2.5 to 2.5	Pass
				50	3.85	0.200	0.0001	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-9.913	-0.0057	-2.5 to 2.5	Pass
					3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
					4.43	-0.887	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-6.738	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-10.815	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-7.696	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				50	3.85	1.745	0.0010	-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	-18.468	-0.0108	-2.5 to 2.5	Pass
					3.85	-9.727	-0.0057	-2.5 to 2.5	Pass
					4.43	-10.071	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-10.729	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-3.519	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-9.184	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-6.838	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-5.579	-0.0033	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-6.924	-0.0040	-2.5 to 2.5	Pass
					3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
					4.43	-6.967	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-7.710	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	2.632	0.0015	-2.5 to 2.5	Pass
				0	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-2.518	-0.0015	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-8.254	-0.0047	-2.5 to 2.5	Pass

					3.85	-7.010	-0.0040	-2.5 to 2.5	Pass
					4.43	-10.428	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-8.755	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
				0	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				10	3.85	-6.337	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-7.439	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-7.753	-0.0044	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-0.472	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
					4.43	1.087	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-6.623	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-7.610	-0.0044	-2.5 to 2.5	Pass
				50	3.85	4.692	0.0027	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-0.143	-0.0001	-2.5 to 2.5	Pass
					3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
					4.43	-5.851	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				10	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				30	3.85	-10.428	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-6.795	-0.0039	-2.5 to 2.5	Pass
				50	3.85	3.204	0.0018	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	4.921	0.0028	-2.5 to 2.5	Pass
					3.85	5.035	0.0029	-2.5 to 2.5	Pass
					4.43	-1.588	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	3.319	0.0019	-2.5 to 2.5	Pass
				-20	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-6.723	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-7.324	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				50	3.85	3.948	0.0023	-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	-6.294	-0.0037	-2.5 to 2.5	Pass
					3.85	-9.298	-0.0054	-2.5 to 2.5	Pass
					4.43	-6.680	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-5.279	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-9.370	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-12.088	-0.0071	-2.5 to 2.5	Pass
				30	3.85	2.632	0.0015	-2.5 to 2.5	Pass

				40	3.85	-9.384	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-7.739	-0.0045	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-8.583	-0.0050	-2.5 to 2.5	Pass
					3.85	-10.200	-0.0059	-2.5 to 2.5	Pass
					4.43	-6.523	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	3.862	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-9.270	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-7.625	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-7.110	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-5.822	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	1.688	0.0010	-2.5 to 2.5	Pass
					3.85	-14.448	-0.0082	-2.5 to 2.5	Pass
					4.43	-0.930	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-10.071	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-7.210	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-8.640	-0.0049	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-5.493	-0.0032	-2.5 to 2.5	Pass
					3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
					4.43	-6.695	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-8.512	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	1.073	0.0006	-2.5 to 2.5	Pass
					3.85	-7.982	-0.0046	-2.5 to 2.5	Pass
					4.43	-5.293	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-6.852	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				30	3.85	3.805	0.0022	-2.5 to 2.5	Pass
				40	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-10.729	-0.0062	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	0.329	0.0002	-2.5 to 2.5	Pass
					3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
					4.43	-10.514	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-3.591	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-6.280	-0.0036	-2.5 to 2.5	Pass
				10	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				40	3.85	-6.895	-0.0039	-2.5 to 2.5	Pass
				50	3.85	1.502	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	3.27	-11.845	-0.0069	-2.5 to 2.5	Pass
					3.85	-9.785	-0.0057	-2.5 to 2.5	Pass
					4.43	-9.584	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-11.387	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	1.316	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-6.509	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-7.682	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-10.557	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-7.625	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-9.084	-0.0053	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-4.749	-0.0027	-2.5 to 2.5	Pass
					3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
					4.43	0.243	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-11.315	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-9.255	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-5.121	-0.0029	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
					4.43	3.161	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-8.411	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-8.969	-0.0051	-2.5 to 2.5	Pass
				10	3.85	2.818	0.0016	-2.5 to 2.5	Pass
				30	3.85	-8.883	-0.0051	-2.5 to 2.5	Pass
				40	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				50	3.85	0.114	0.0001	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-9.313	-0.0054	-2.5 to 2.5	Pass
					3.85	-5.922	-0.0035	-2.5 to 2.5	Pass
					4.43	-13.461	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-7.610	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-10.700	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-15.306	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-7.982	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-7.353	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-7.796	-0.0045	-2.5 to 2.5	Pass
					3.85	1.287	0.0007	-2.5 to 2.5	Pass
					4.43	-1.416	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-8.597	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-6.194	-0.0036	-2.5 to 2.5	Pass

	1750	50	0	20	3.27	-3.047	-0.0017	-2.5 to 2.5	Pass
					3.85	-2.518	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.319	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				0	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-7.796	-0.0045	-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	-5.779	-0.0034	-2.5 to 2.5	Pass
					3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
					4.43	-2.818	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
				10	3.85	2.675	0.0016	-2.5 to 2.5	Pass
				30	3.85	-7.010	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-1.245	-0.0007	-2.5 to 2.5	Pass
					3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
					4.43	-0.343	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-4.921	-0.0028	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-7.110	-0.0041	-2.5 to 2.5	Pass
					3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
					4.43	-8.168	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-6.022	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-12.102	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-3.920	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-9.484	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-14.219	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-7.925	-0.0045	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-3.676	-0.0021	-2.5 to 2.5	Pass
					3.85	0.658	0.0004	-2.5 to 2.5	Pass
					4.43	-5.264	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-7.310	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				0	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-7.381	-0.0043	-2.5 to 2.5	Pass

				30	3.85	-3.548	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-5.336	-0.0031	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-5.150	-0.0030	-2.5 to 2.5	Pass
					3.85	-8.869	-0.0051	-2.5 to 2.5	Pass
					4.43	-3.705	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-7.095	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-5.765	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-8.154	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-9.170	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-8.469	-0.0049	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-12.045	-0.0069	-2.5 to 2.5	Pass
					3.85	-9.756	-0.0056	-2.5 to 2.5	Pass
					4.43	-7.982	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-8.941	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-11.287	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-8.783	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-6.108	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-7.224	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-7.868	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-7.524	-0.0043	-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	-10.958	-0.0064	-2.5 to 2.5	Pass
					3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-4.406	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-7.138	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-8.612	-0.0050	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-8.068	-0.0047	-2.5 to 2.5	Pass
					3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
					4.43	-7.110	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-9.098	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-5.736	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-6.781	-0.0039	-2.5 to 2.5	Pass
				40	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-9.370	-0.0054	-2.5 to 2.5	Pass
					3.85	-7.925	-0.0045	-2.5 to 2.5	Pass
					4.43	-3.819	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass

				-10	3.85	-8.483	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-12.016	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-9.069	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-1.445	-0.0008	-2.5 to 2.5	Pass
					3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
					4.43	-5.937	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-8.140	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-10.328	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-11.230	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-6.981	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-7.725	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-6.237	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-4.964	-0.0029	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-6.852	-0.0040	-2.5 to 2.5	Pass
					3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
					4.43	0.629	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-7.939	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-10.457	-0.0060	-2.5 to 2.5	Pass
					3.85	-3.934	-0.0023	-2.5 to 2.5	Pass
					4.43	-3.963	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-7.110	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-7.281	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-7.510	-0.0043	-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

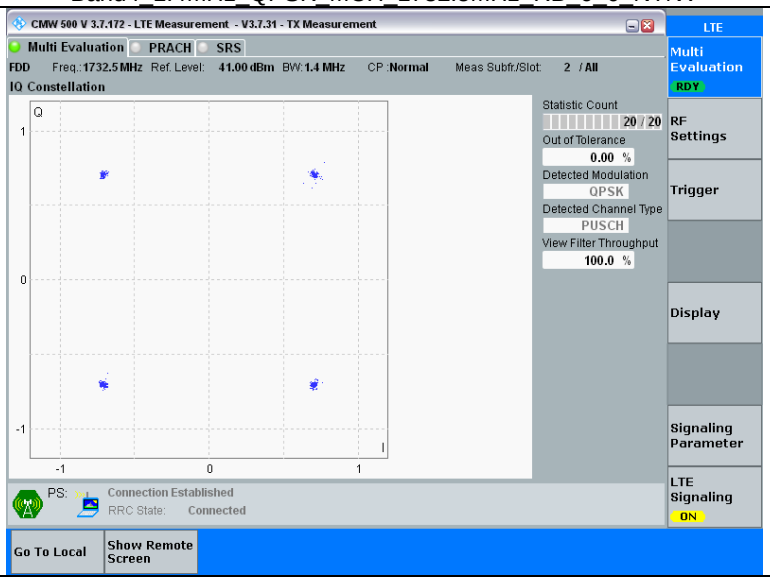
3.1.6 B4_20MHz

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

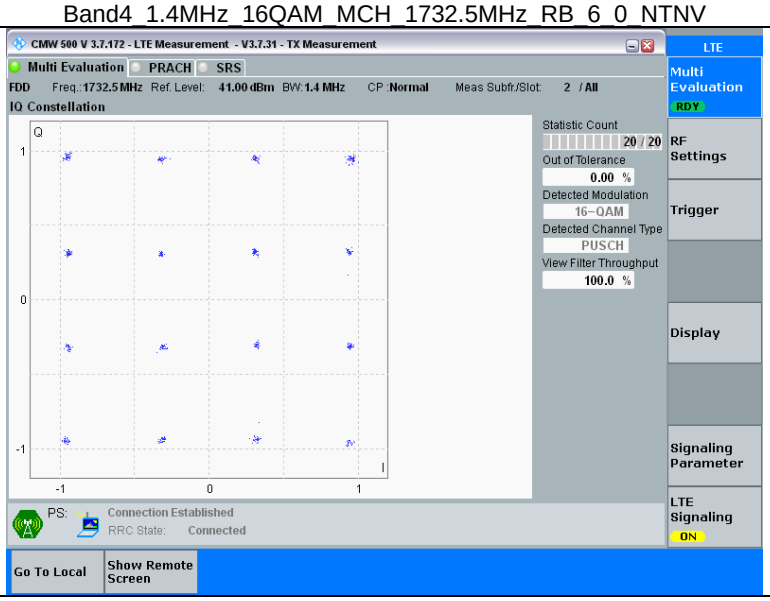
3.2 Test Graph

3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

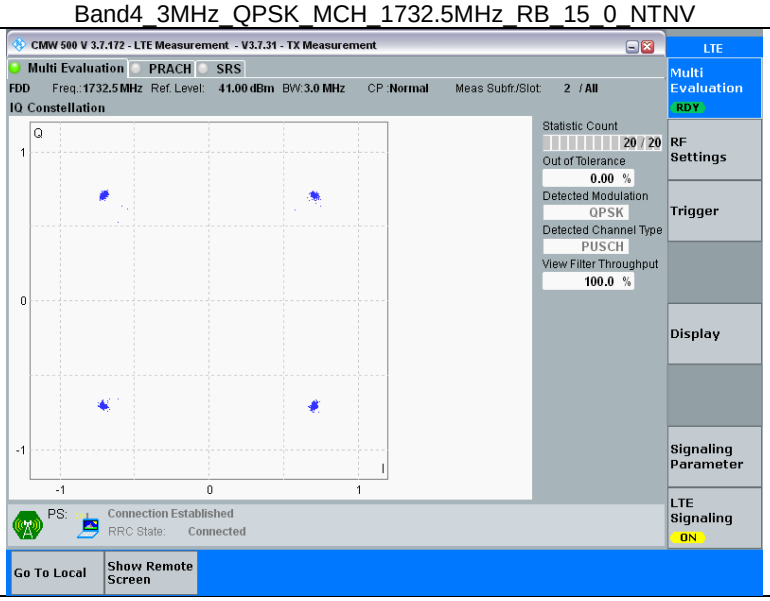


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

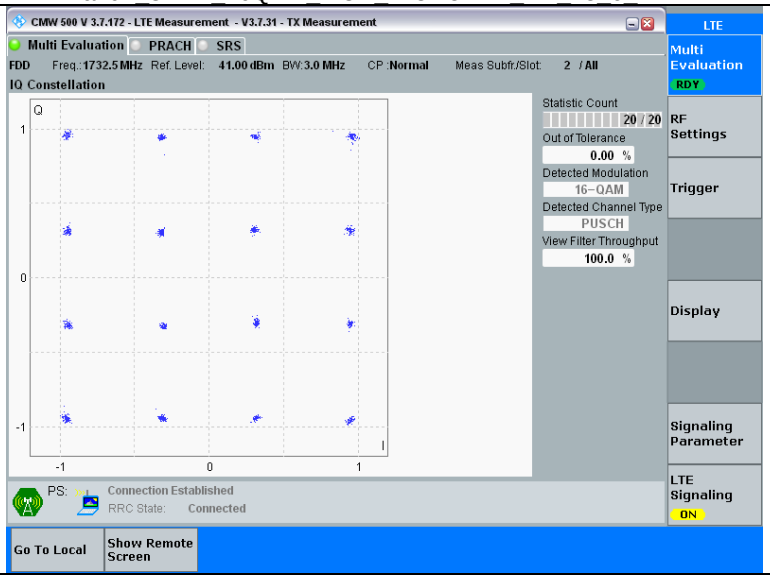


3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

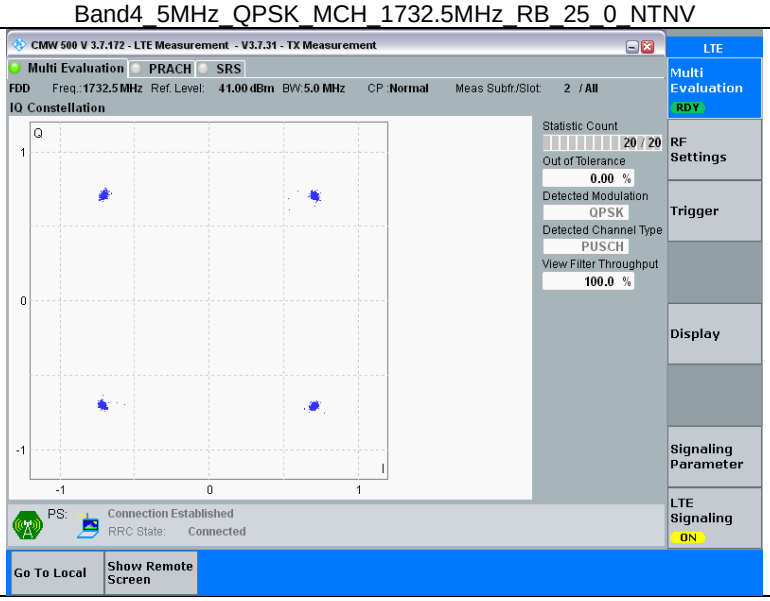


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

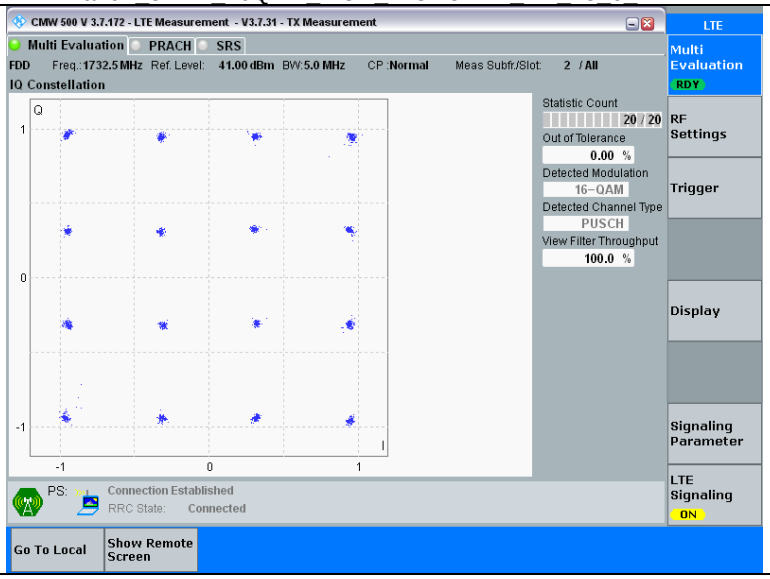


3.2.3 B4_5MHz

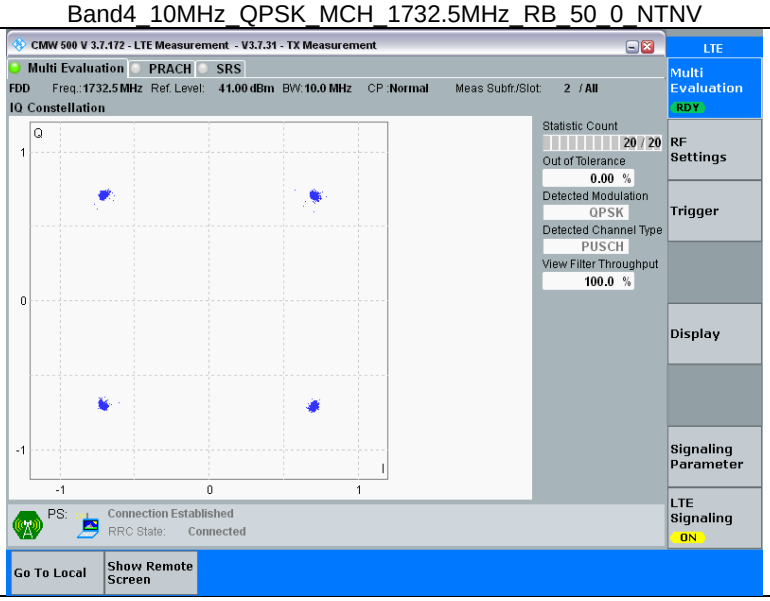
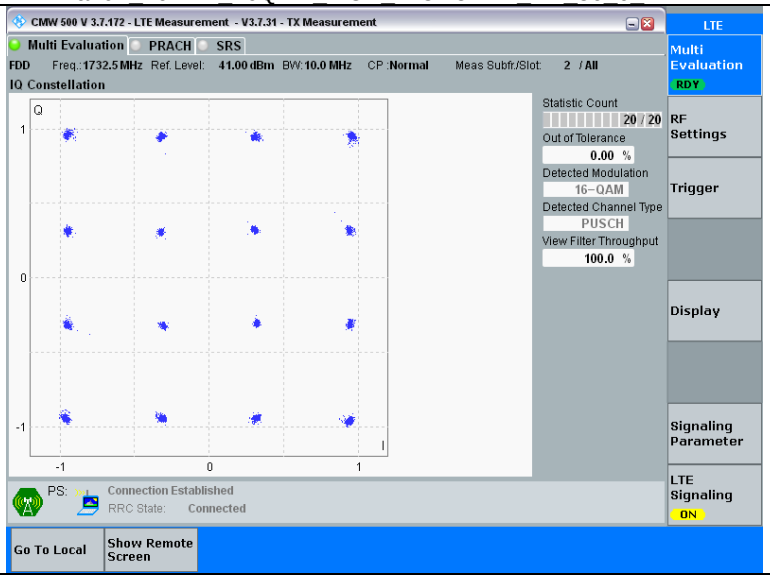
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

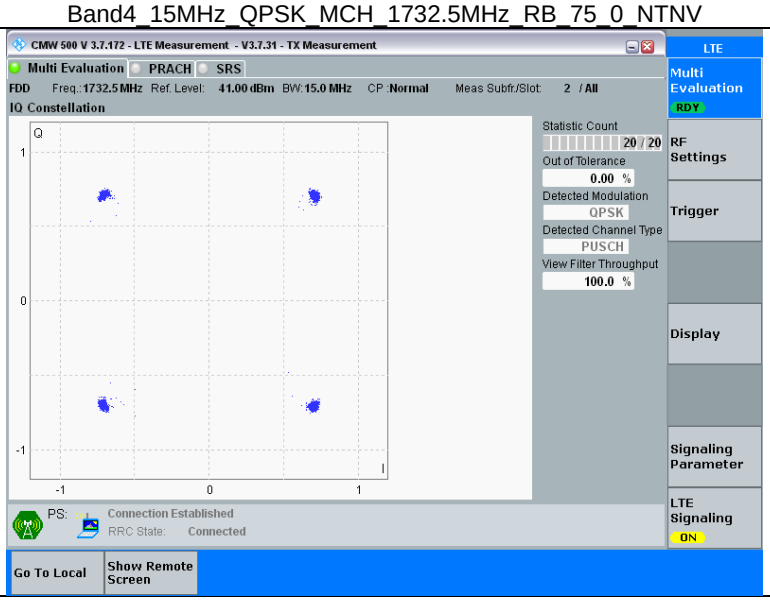


3.2.4 B4_10MHz

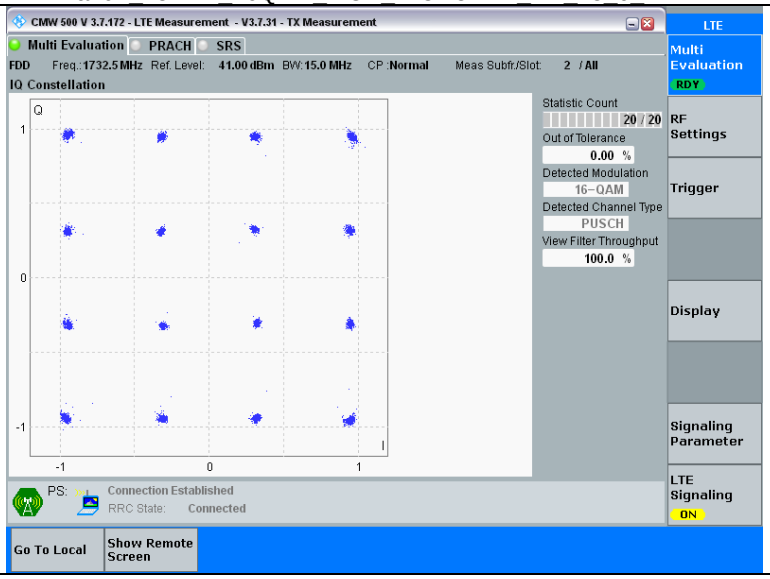
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

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

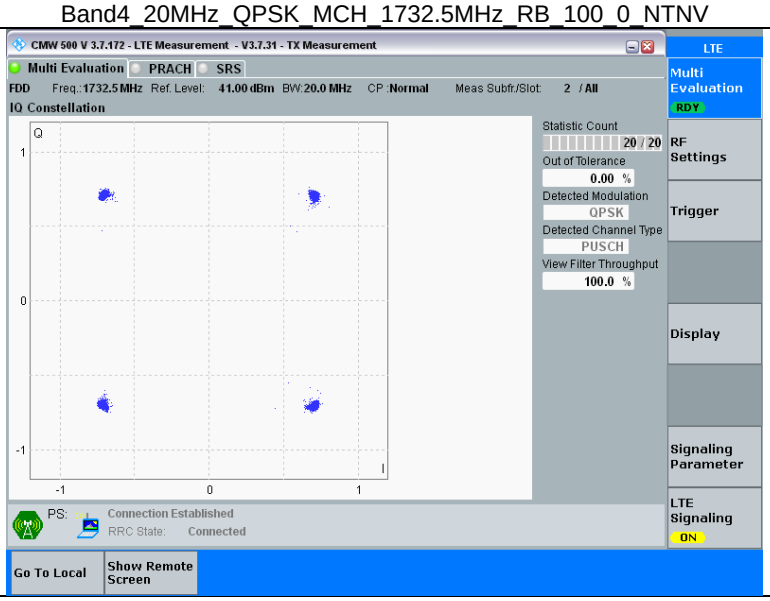


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

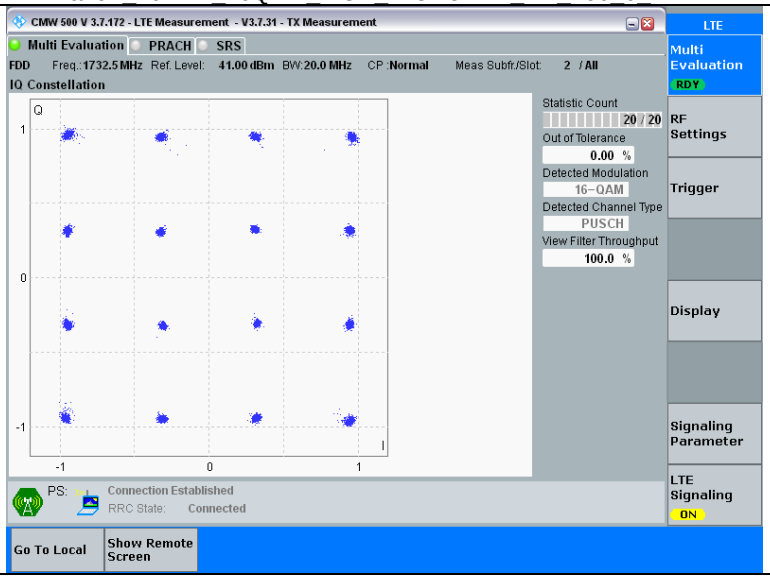


3.2.6 B4_20MHz

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	1.109	/	Pass
		1732.5	6	0	1.120	/	Pass
		1754.3	6	0	1.110	/	Pass
	16QAM	1710.7	6	0	1.114	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.110	/	Pass
3	QPSK	1711.5	15	0	2.729	/	Pass
		1732.5	15	0	2.731	/	Pass
		1753.5	15	0	2.733	/	Pass
	16QAM	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.723	/	Pass
		1753.5	15	0	2.727	/	Pass
5	QPSK	1712.5	25	0	4.536	/	Pass
		1732.5	25	0	4.562	/	Pass
		1752.5	25	0	4.541	/	Pass
	16QAM	1712.5	25	0	4.550	/	Pass
		1732.5	25	0	4.560	/	Pass
		1752.5	25	0	4.533	/	Pass
10	QPSK	1715	50	0	9.086	/	Pass
		1732.5	50	0	9.072	/	Pass
		1750	50	0	9.082	/	Pass
	16QAM	1715	50	0	9.048	/	Pass
		1732.5	50	0	9.053	/	Pass
		1750	50	0	9.058	/	Pass
15	QPSK	1717.5	75	0	13.591	/	Pass
		1732.5	75	0	13.600	/	Pass
		1747.5	75	0	13.605	/	Pass
	16QAM	1717.5	75	0	13.606	/	Pass
		1732.5	75	0	13.616	/	Pass
		1747.5	75	0	13.596	/	Pass
20	QPSK	1720	100	0	18.116	/	Pass
		1732.5	100	0	18.159	/	Pass
		1745	100	0	18.159	/	Pass
	16QAM	1720	100	0	18.091	/	Pass
		1732.5	100	0	18.085	/	Pass
		1745	100	0	18.089	/	Pass

4.1.2 Band4_XDB

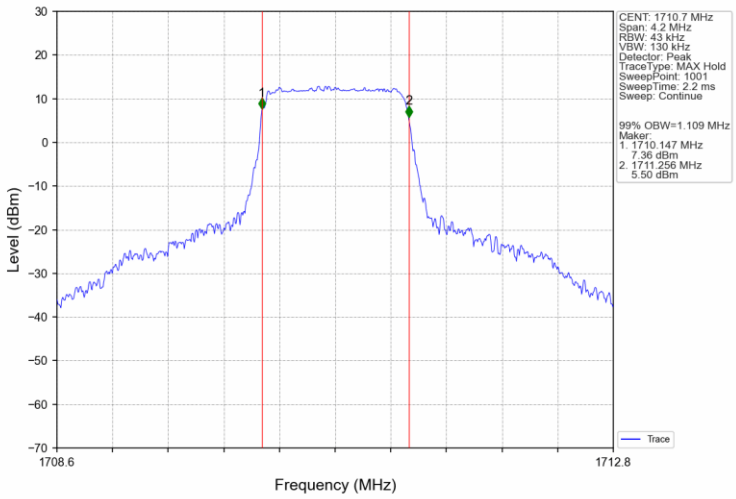
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.341	/	Pass
		1732.5	6	0	1.304	/	Pass
		1754.3	6	0	1.321	/	Pass

	16QAM	1710.7	6	0	1.332	/	Pass
		1732.5	6	0	1.319	/	Pass
		1754.3	6	0	1.311	/	Pass
3	QPSK	1711.5	15	0	2.998	/	Pass
		1732.5	15	0	2.991	/	Pass
		1753.5	15	0	2.973	/	Pass
	16QAM	1711.5	15	0	2.976	/	Pass
		1732.5	15	0	2.984	/	Pass
		1753.5	15	0	2.977	/	Pass
5	QPSK	1712.5	25	0	5.020	/	Pass
		1732.5	25	0	7.692	/	Pass
		1752.5	25	0	5.015	/	Pass
	16QAM	1712.5	25	0	5.191	/	Pass
		1732.5	25	0	5.035	/	Pass
		1752.5	25	0	4.982	/	Pass
10	QPSK	1715	50	0	14.676	/	Pass
		1732.5	50	0	10.024	/	Pass
		1750	50	0	9.944	/	Pass
	16QAM	1715	50	0	11.356	/	Pass
		1732.5	50	0	9.950	/	Pass
		1750	50	0	9.896	/	Pass
15	QPSK	1717.5	75	0	14.944	/	Pass
		1732.5	75	0	14.929	/	Pass
		1747.5	75	0	14.900	/	Pass
	16QAM	1717.5	75	0	14.923	/	Pass
		1732.5	75	0	14.903	/	Pass
		1747.5	75	0	14.948	/	Pass
20	QPSK	1720	100	0	28.774	/	Pass
		1732.5	100	0	19.905	/	Pass
		1745	100	0	19.752	/	Pass
	16QAM	1720	100	0	19.675	/	Pass
		1732.5	100	0	19.795	/	Pass
		1745	100	0	19.734	/	Pass

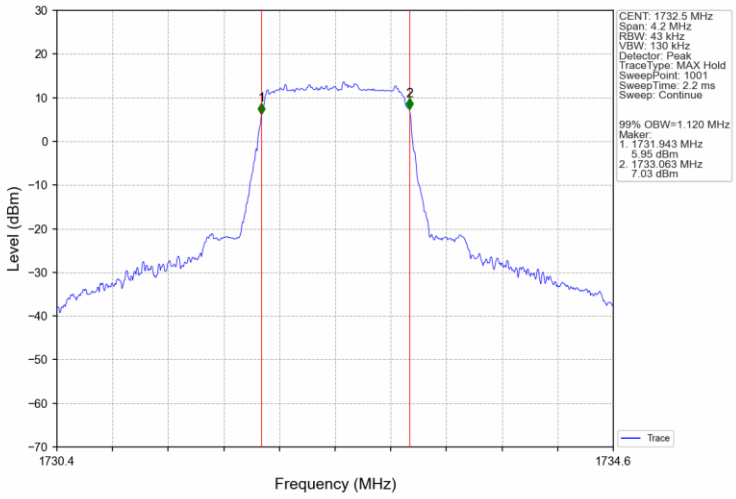
4.2 Test Graph

4.2.1 Band4_OBW

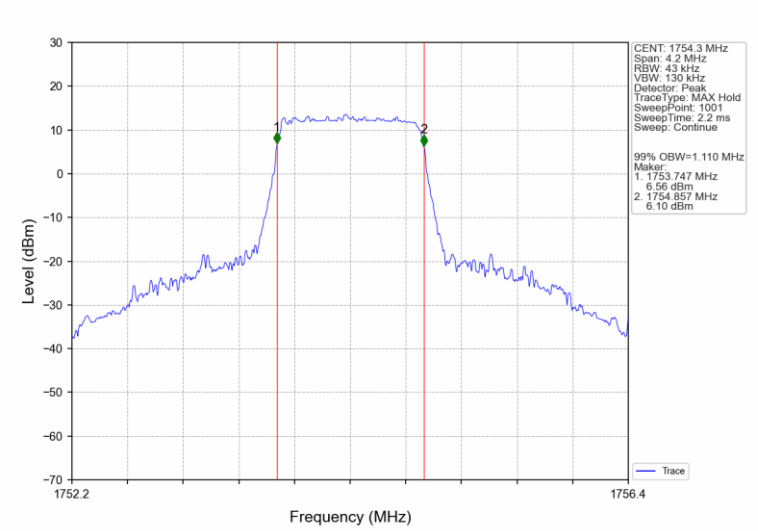
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



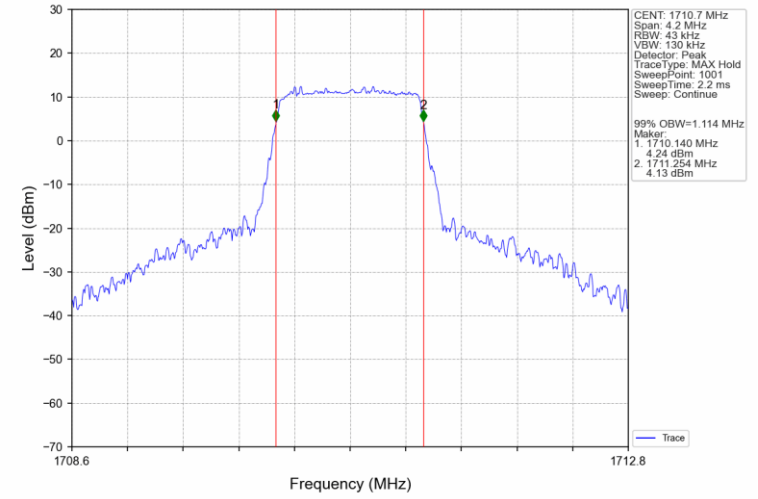
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



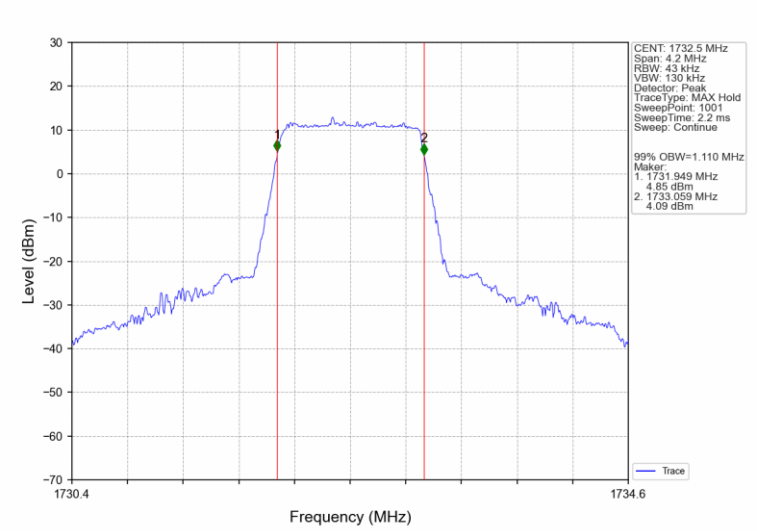
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



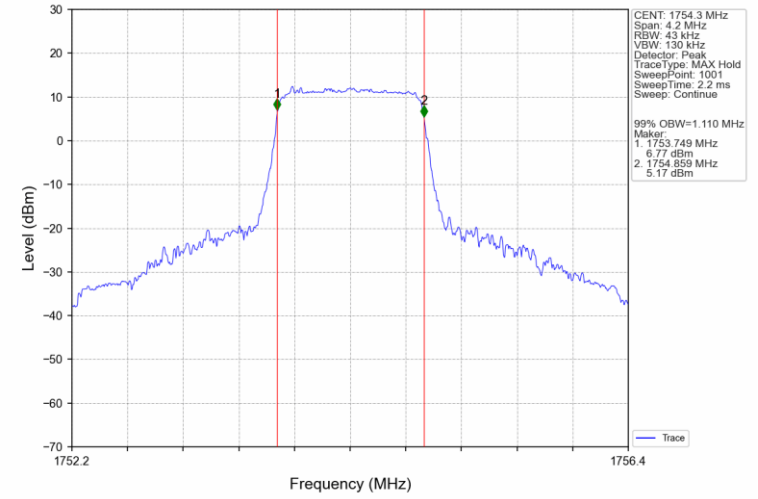
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



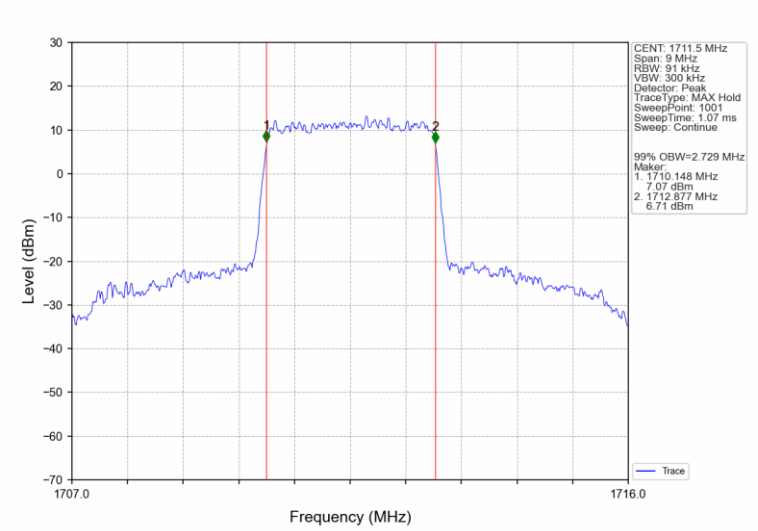
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



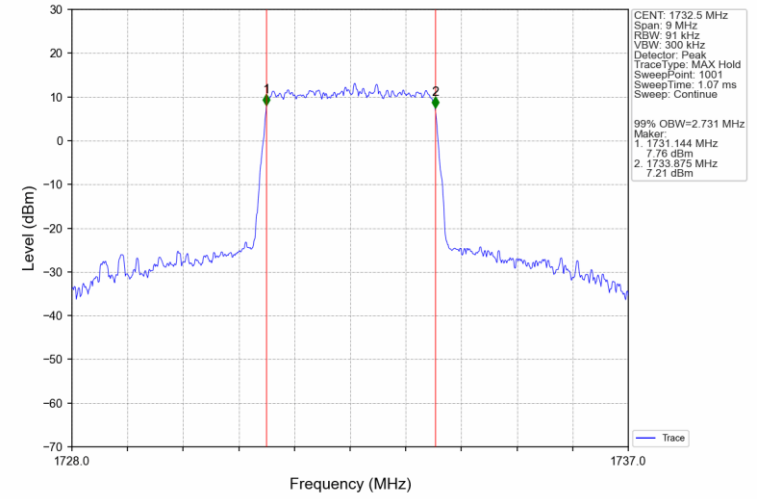
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



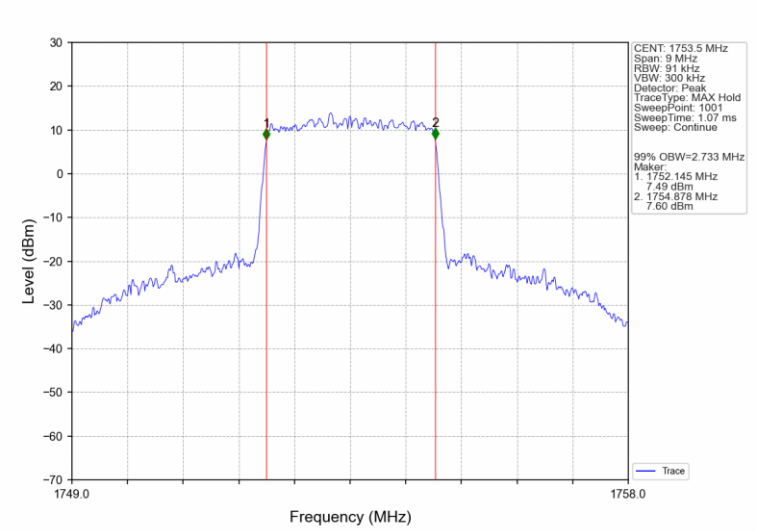
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



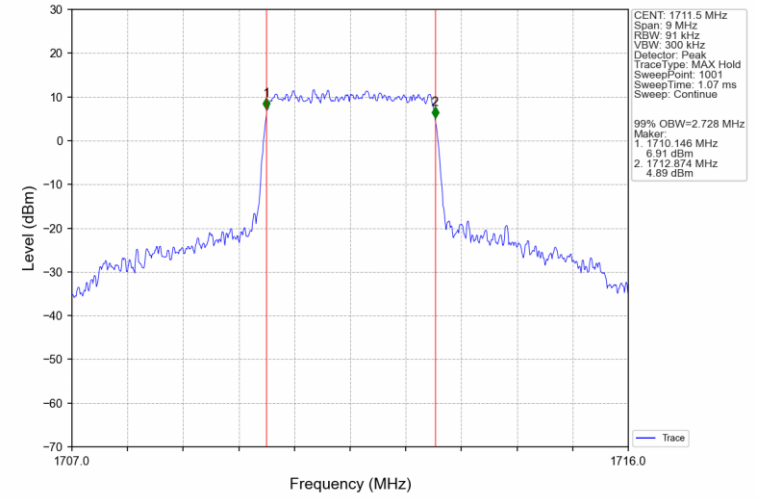
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



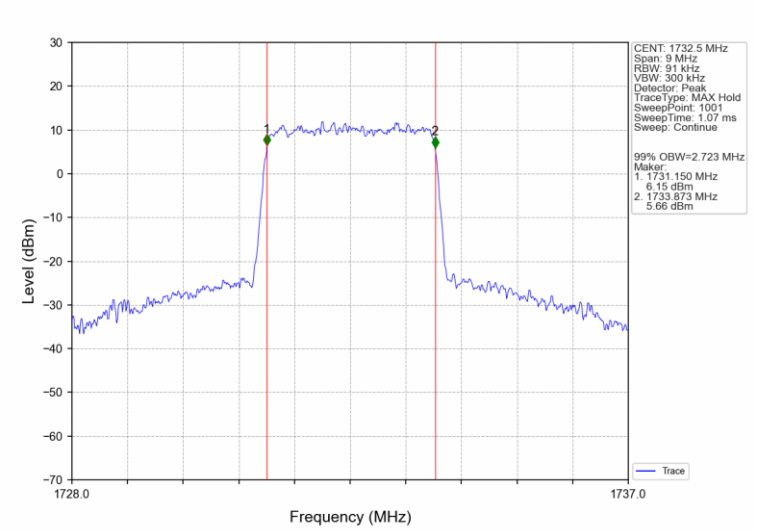
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



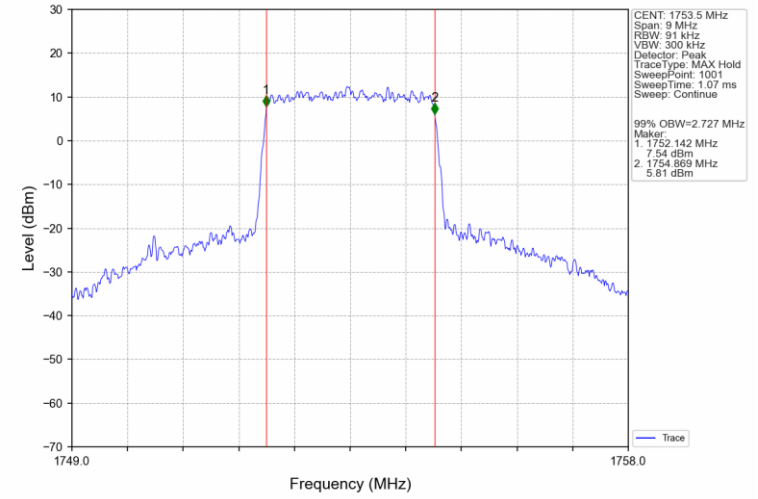
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



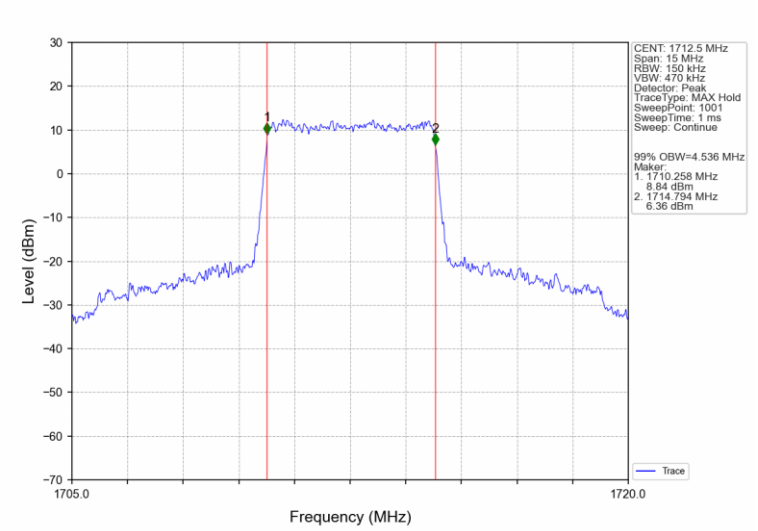
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



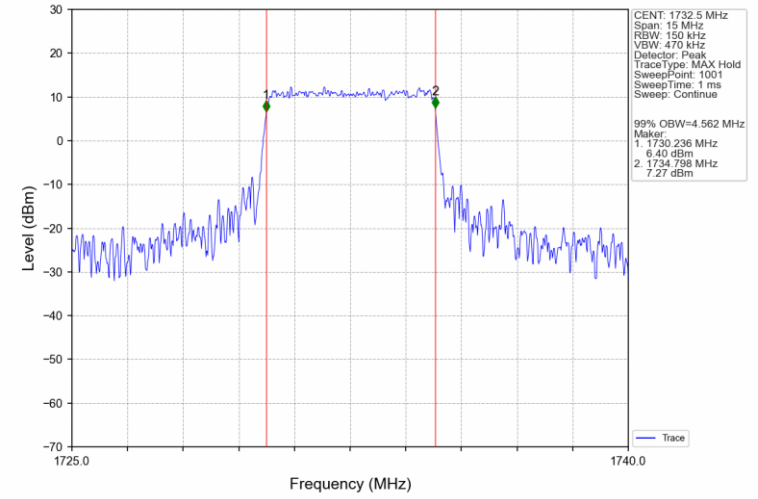
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



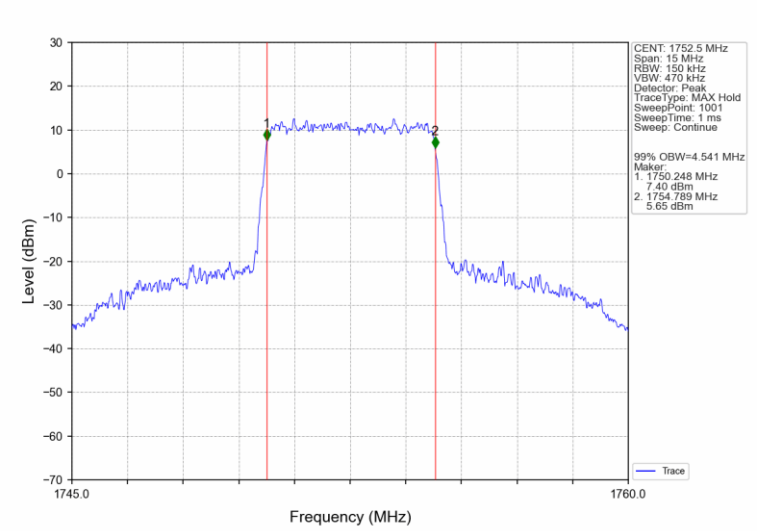
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



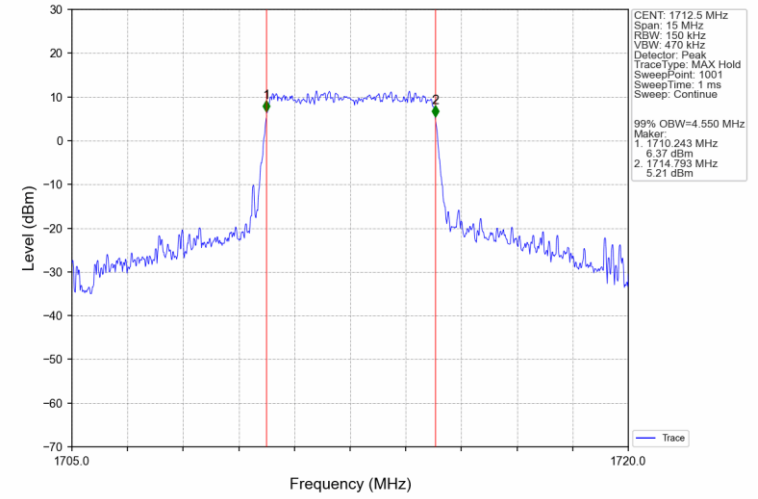
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



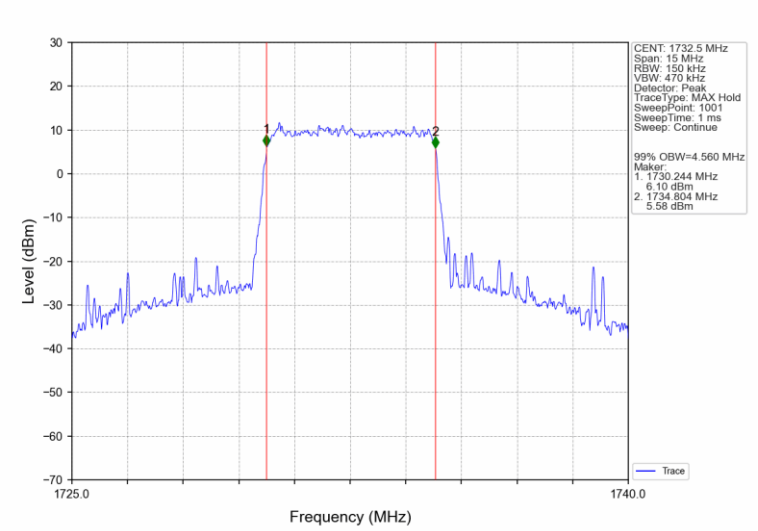
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



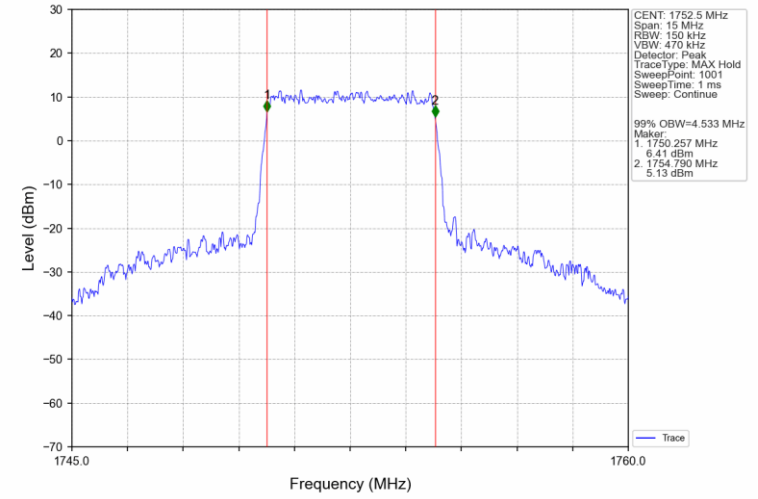
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



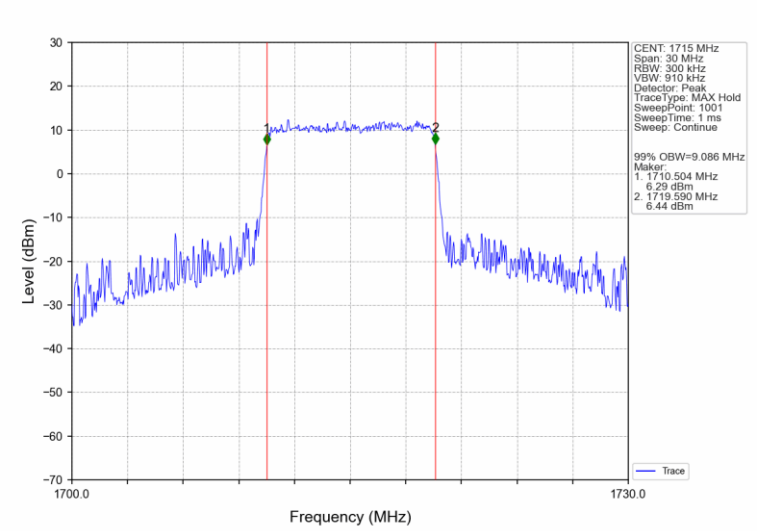
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



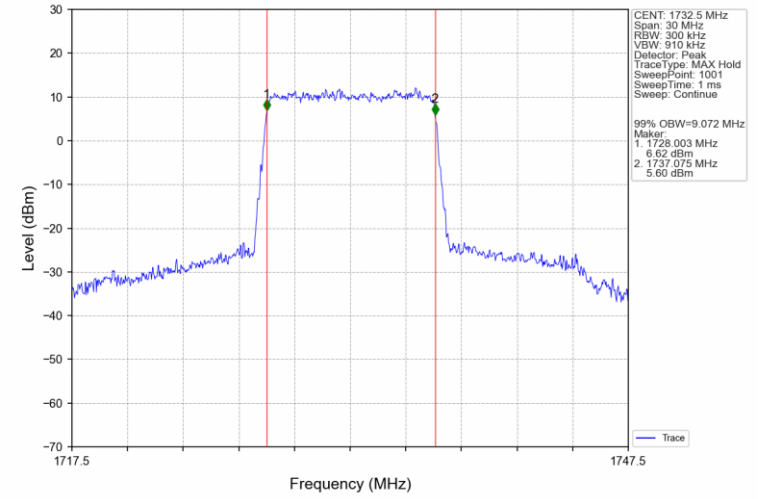
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



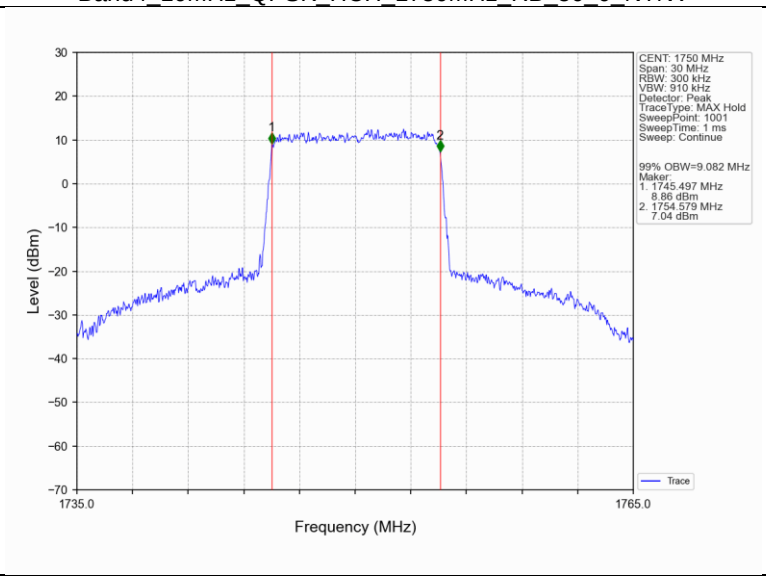
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



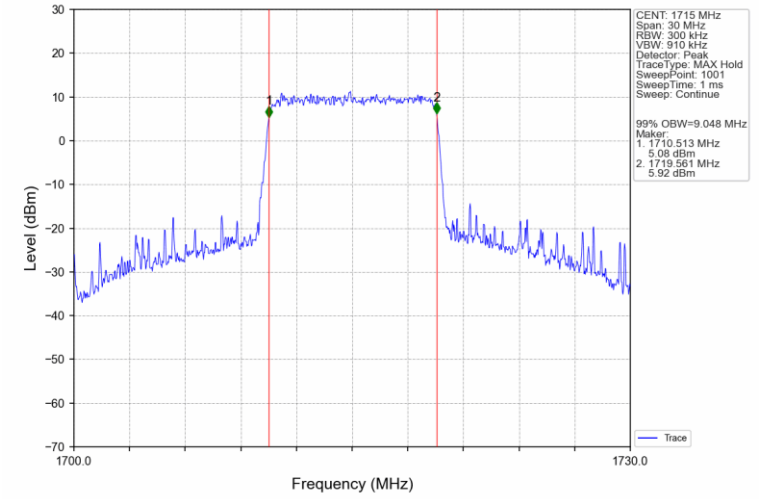
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



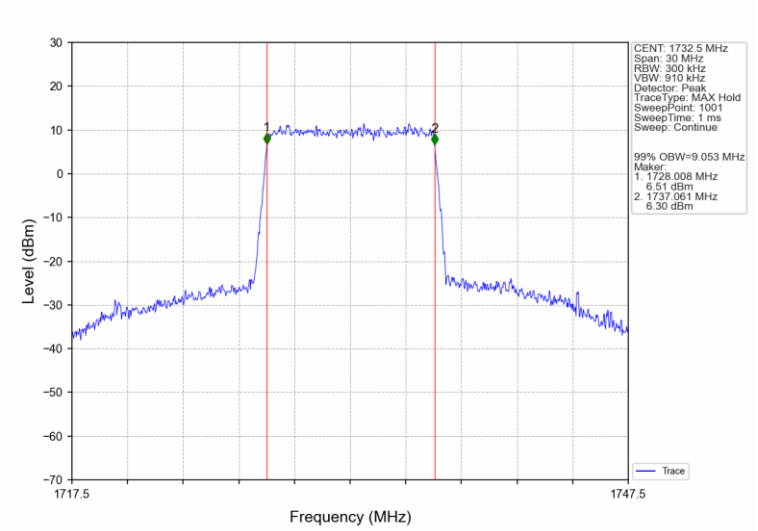
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



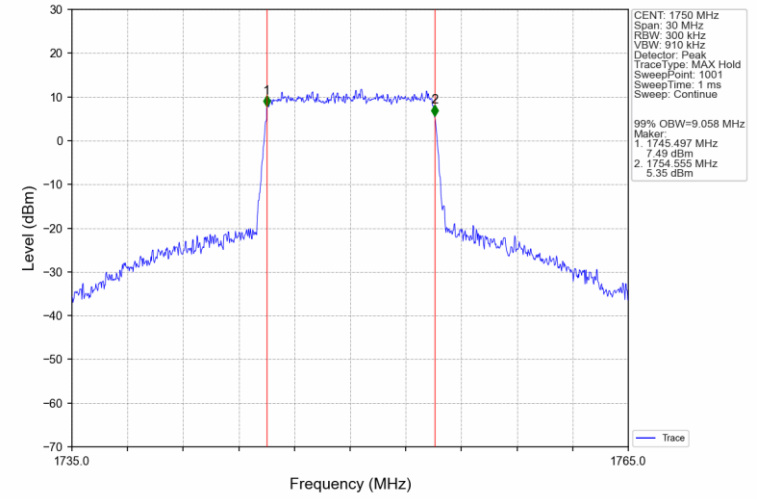
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



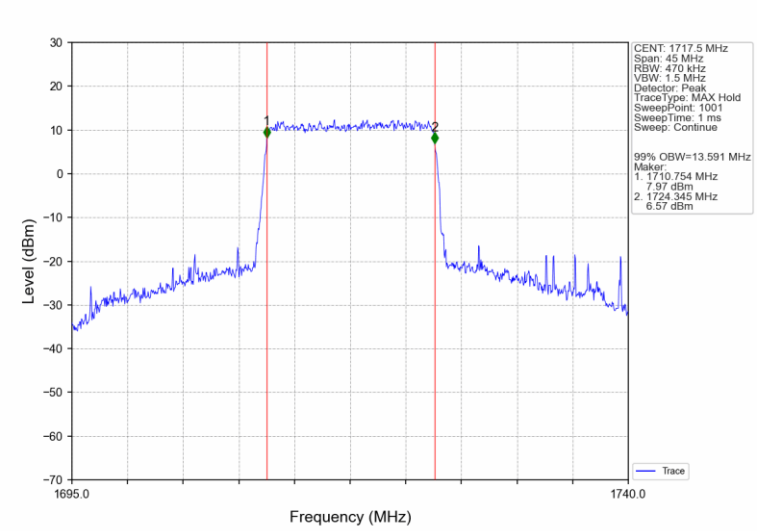
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



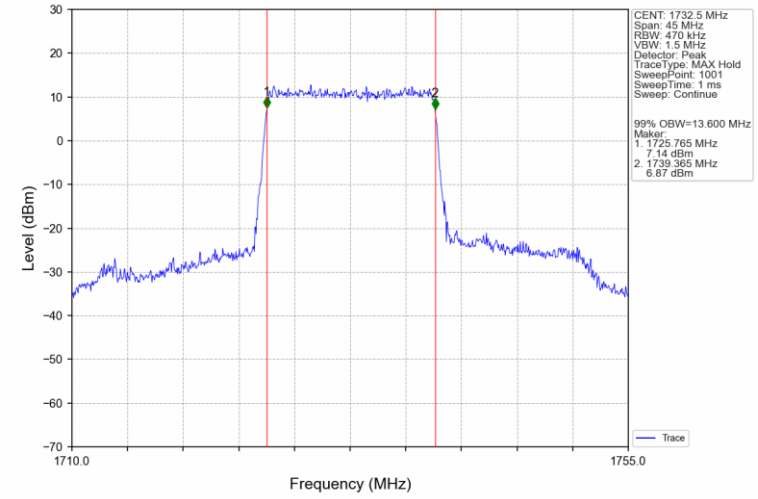
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



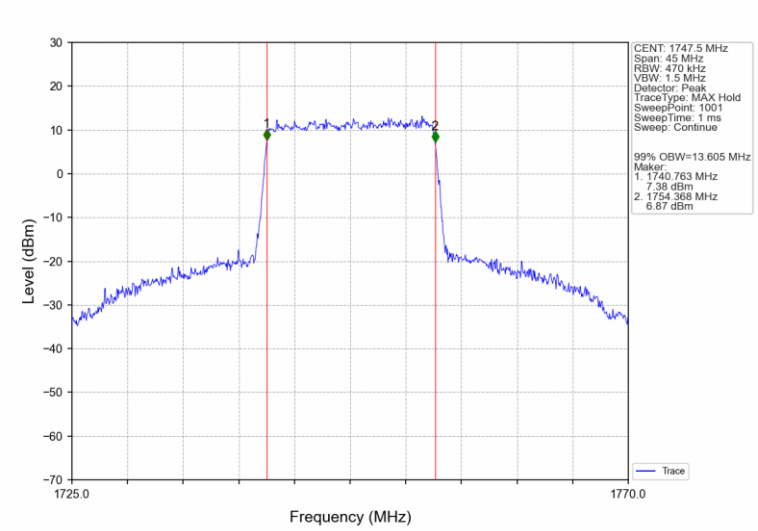
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



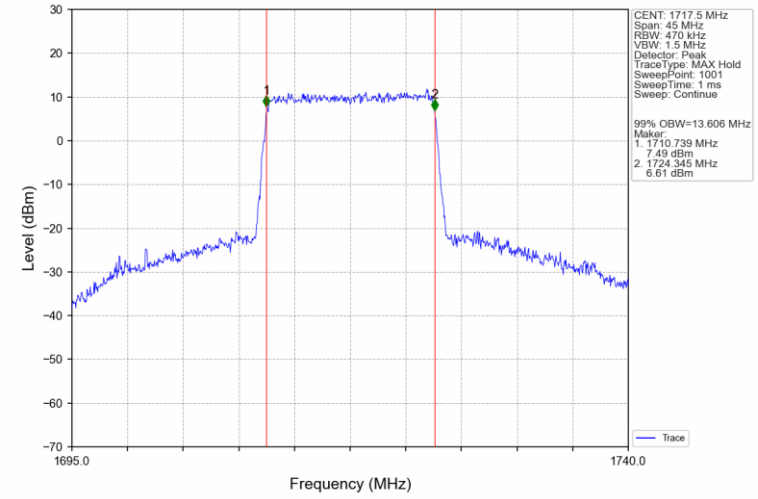
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



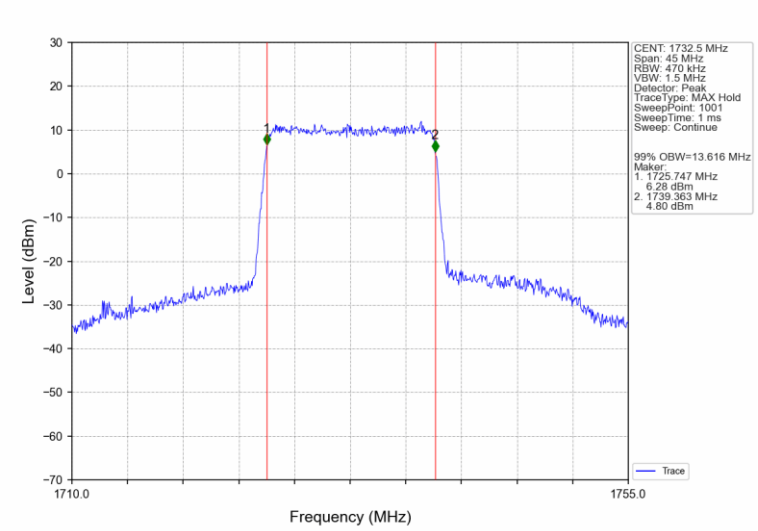
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



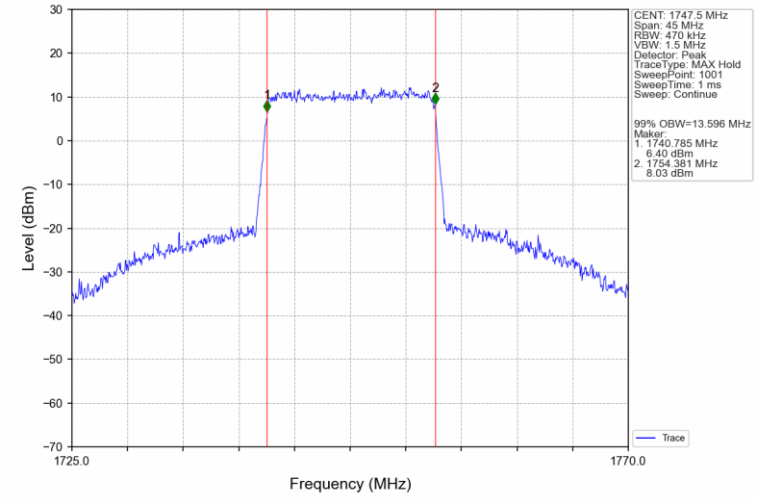
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



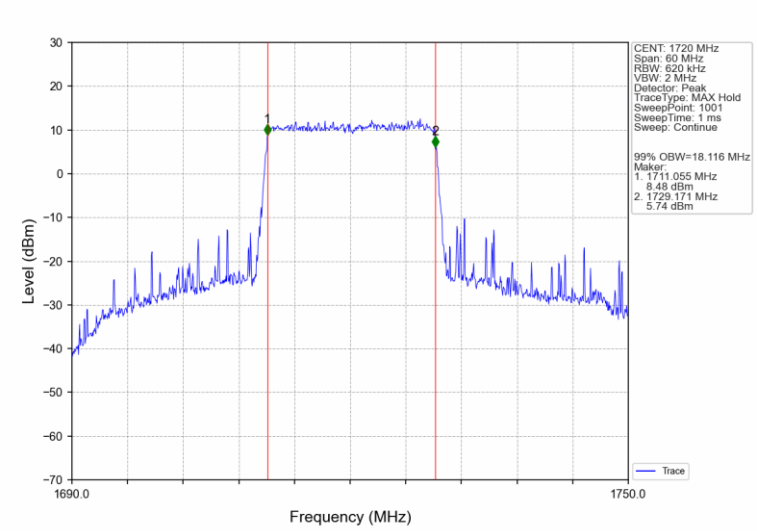
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



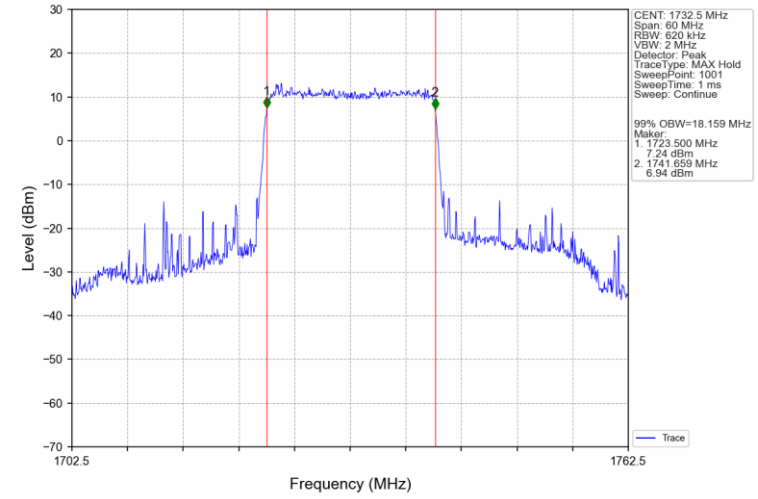
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



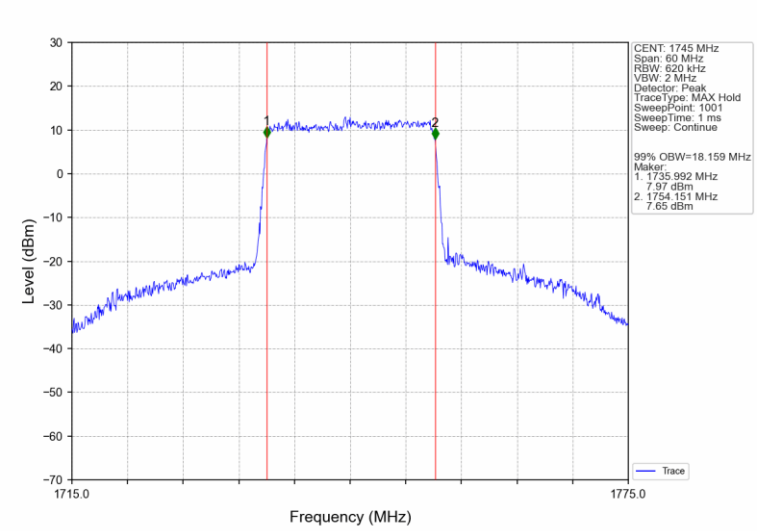
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



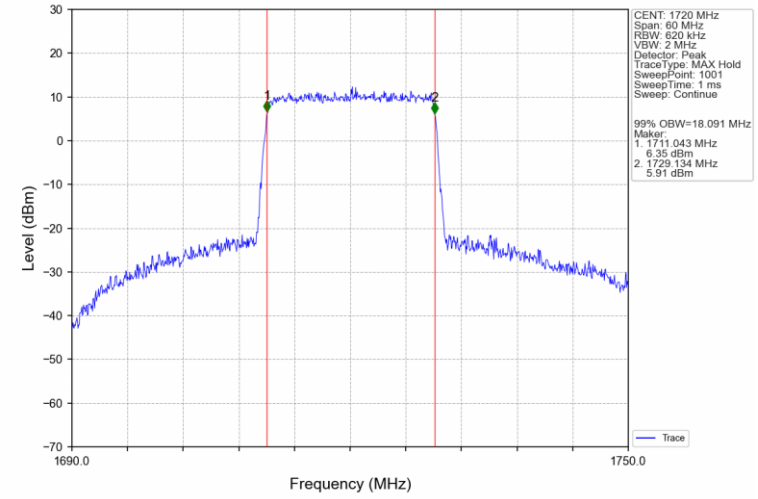
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



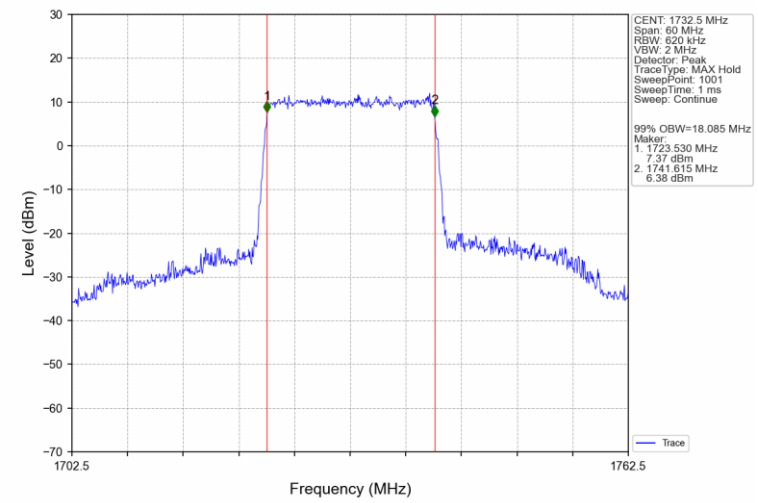
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



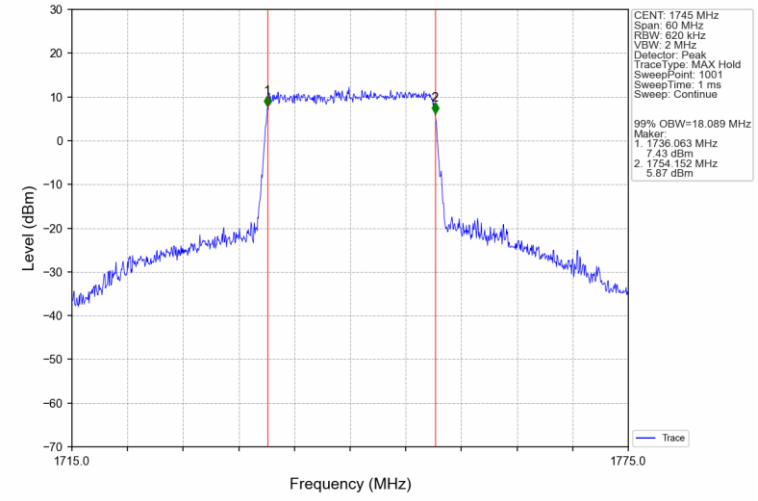
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



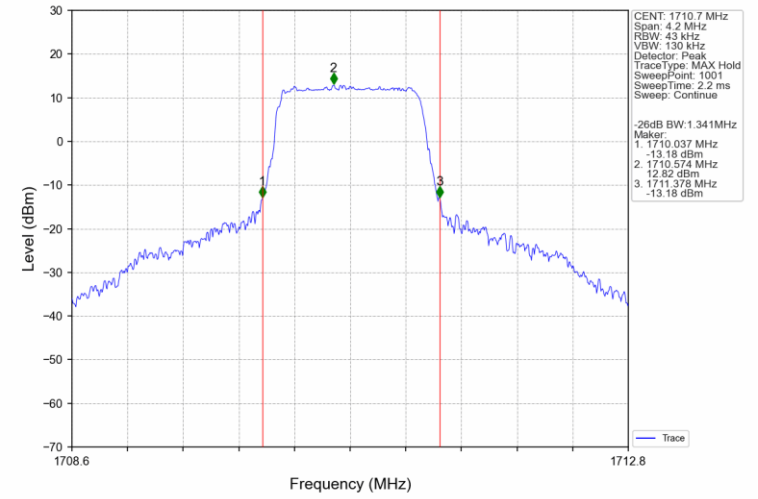
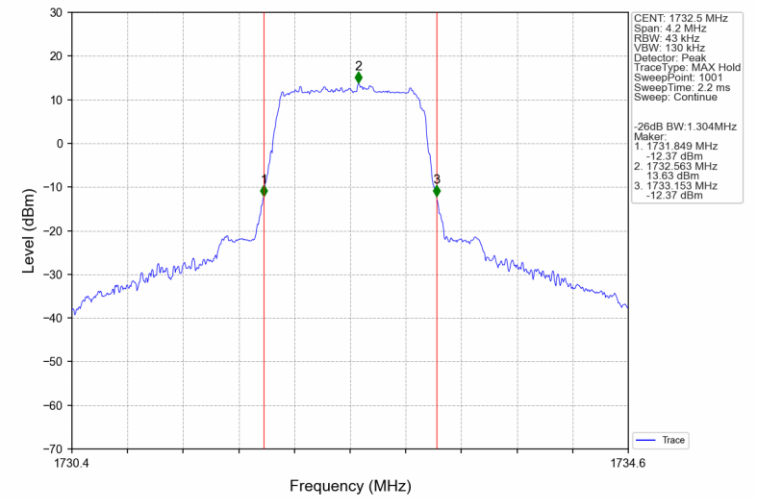
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



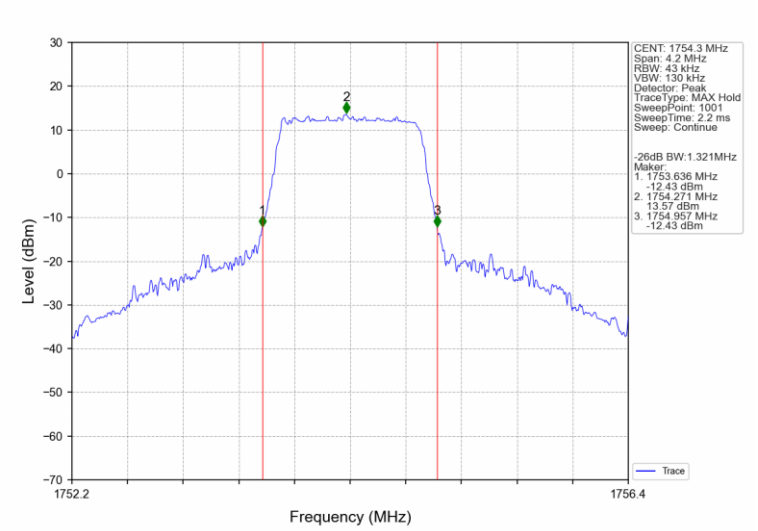
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



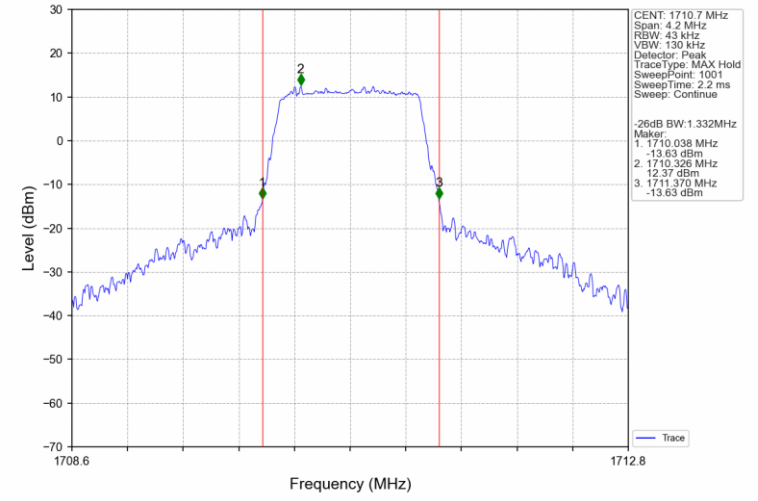
4.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV


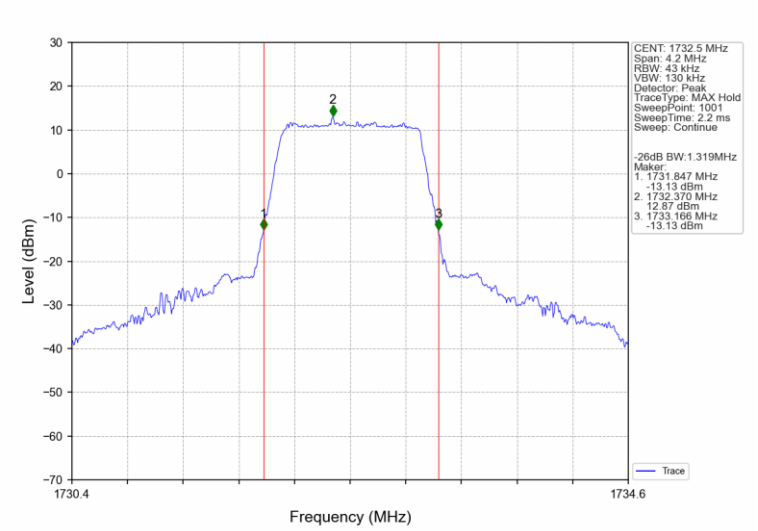
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



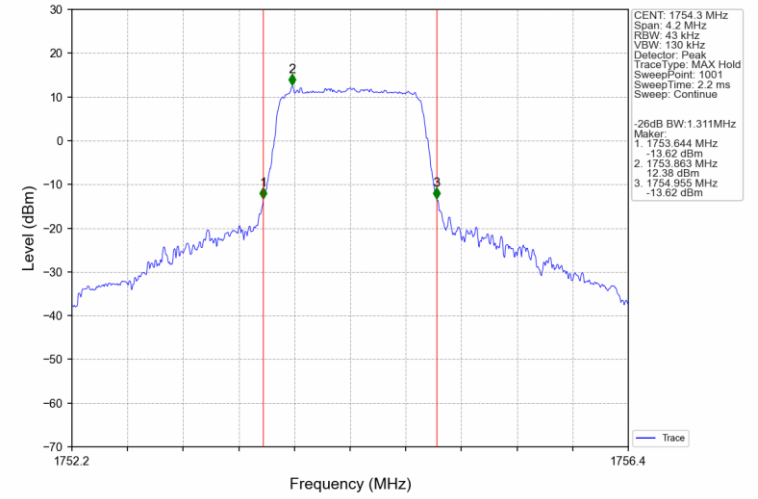
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



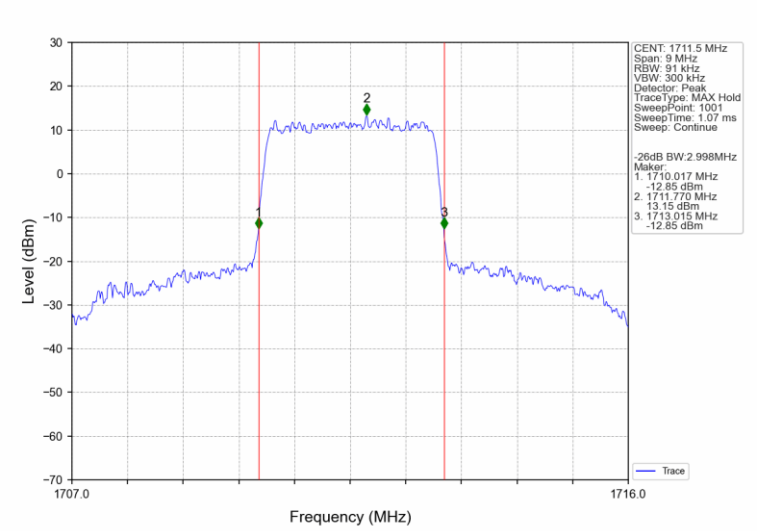
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



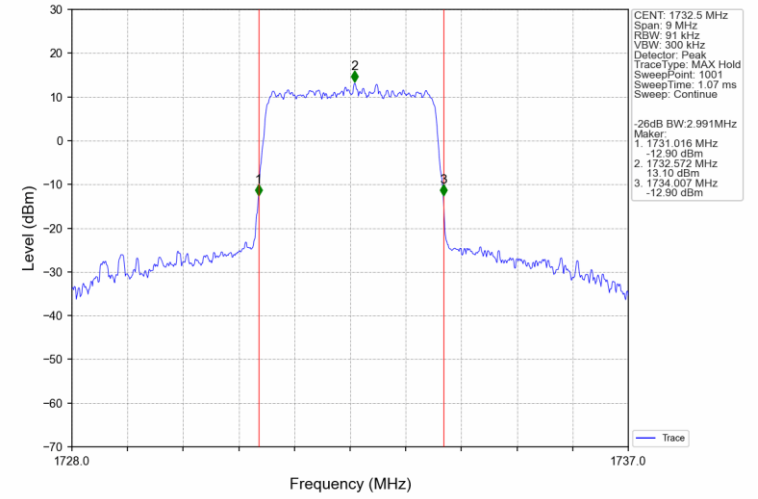
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



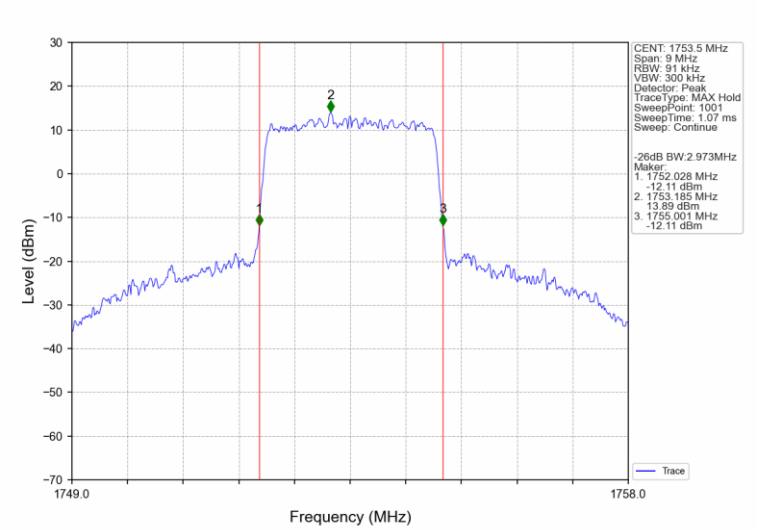
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



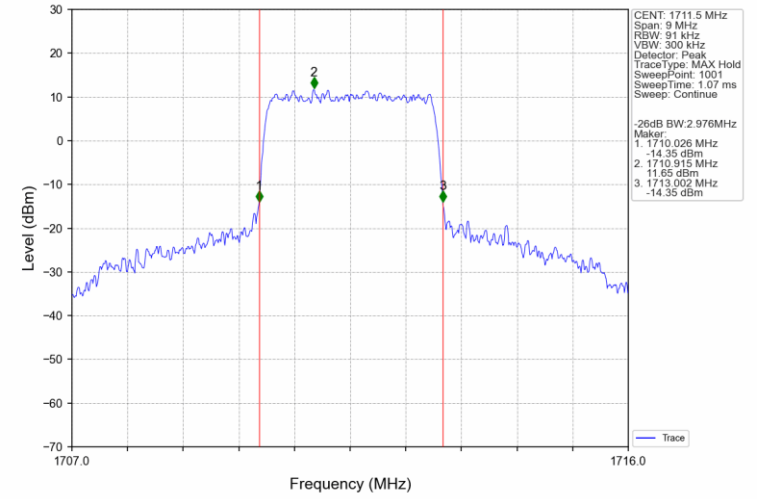
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



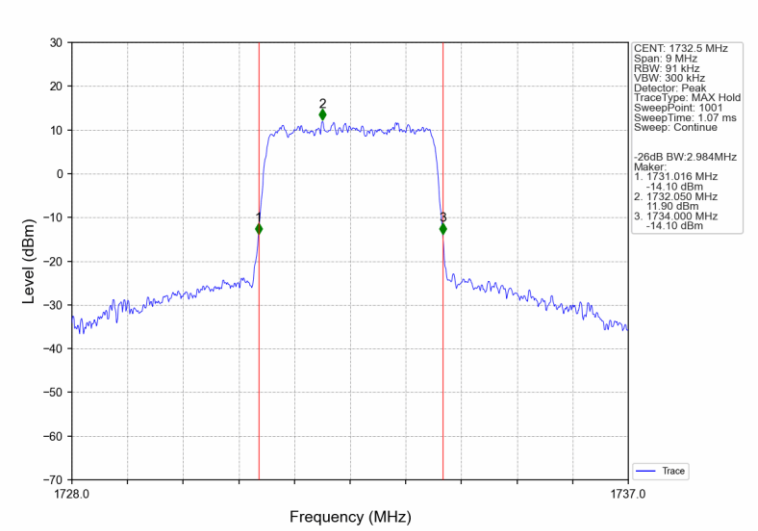
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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