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	24.08	3.24	27.32	<=30	Pass
			2	24.07	3.24	27.31	<=30	Pass
			5	24.04	3.24	27.28	<=30	Pass
		3	0	23.99	3.24	27.23	<=30	Pass
			2	23.99	3.24	27.23	<=30	Pass
			3	23.99	3.24	27.23	<=30	Pass
		6	0	23.00	3.24	26.24	<=30	Pass
	1732.5	1	0	23.90	3.24	27.14	<=30	Pass
			2	23.90	3.24	27.14	<=30	Pass
			5	23.87	3.24	27.11	<=30	Pass
		3	0	23.91	3.24	27.15	<=30	Pass
			2	23.88	3.24	27.12	<=30	Pass
			3	23.88	3.24	27.12	<=30	Pass
		6	0	22.94	3.24	26.18	<=30	Pass
	1754.3	1	0	23.90	3.24	27.14	<=30	Pass
			2	23.90	3.24	27.14	<=30	Pass
			5	23.92	3.24	27.16	<=30	Pass
		3	0	23.88	3.24	27.12	<=30	Pass
			2	23.93	3.24	27.17	<=30	Pass
			3	23.91	3.24	27.15	<=30	Pass
		6	0	22.87	3.24	26.11	<=30	Pass
16QAM	1710.7	1	0	22.93	3.24	26.17	<=30	Pass
			2	22.95	3.24	26.19	<=30	Pass
			5	22.94	3.24	26.18	<=30	Pass
		3	0	22.74	3.24	25.98	<=30	Pass
			2	22.76	3.24	26.00	<=30	Pass
			3	22.77	3.24	26.01	<=30	Pass
		6	0	21.97	3.24	25.21	<=30	Pass
	1732.5	1	0	22.99	3.24	26.23	<=30	Pass
			2	22.99	3.24	26.23	<=30	Pass
			5	23.00	3.24	26.24	<=30	Pass
		3	0	23.03	3.24	26.27	<=30	Pass
			2	22.97	3.24	26.21	<=30	Pass
			3	22.97	3.24	26.21	<=30	Pass
		6	0	21.96	3.24	25.20	<=30	Pass
	1754.3	1	0	23.26	3.24	26.50	<=30	Pass
			2	23.29	3.24	26.53	<=30	Pass
			5	23.24	3.24	26.48	<=30	Pass
		3	0	22.91	3.24	26.15	<=30	Pass
			2	22.90	3.24	26.14	<=30	Pass
			3	22.92	3.24	26.16	<=30	Pass
		6	0	21.89	3.24	25.13	<=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	23.91	3.24	27.15	<=30	Pass
			7	23.93	3.24	27.17	<=30	Pass
			14	23.98	3.24	27.22	<=30	Pass
		8	0	22.98	3.24	26.22	<=30	Pass
			4	22.99	3.24	26.23	<=30	Pass
			7	23.00	3.24	26.24	<=30	Pass
		15	0	22.97	3.24	26.21	<=30	Pass
	1732.5	1	0	23.95	3.24	27.19	<=30	Pass
			7	23.94	3.24	27.18	<=30	Pass
			14	23.93	3.24	27.17	<=30	Pass
		8	0	22.92	3.24	26.16	<=30	Pass
			4	22.84	3.24	26.08	<=30	Pass
			7	22.84	3.24	26.08	<=30	Pass
		15	0	22.86	3.24	26.10	<=30	Pass
	1753.5	1	0	23.91	3.24	27.15	<=30	Pass
			7	23.95	3.24	27.19	<=30	Pass
			14	23.96	3.24	27.20	<=30	Pass
		8	0	22.85	3.24	26.09	<=30	Pass
			4	22.88	3.24	26.12	<=30	Pass
			7	22.87	3.24	26.11	<=30	Pass
		15	0	22.88	3.24	26.12	<=30	Pass
16QAM	1711.5	1	0	23.02	3.24	26.26	<=30	Pass
			7	23.03	3.24	26.27	<=30	Pass
			14	23.07	3.24	26.31	<=30	Pass
		8	0	21.98	3.24	25.22	<=30	Pass
			4	21.97	3.24	25.21	<=30	Pass
			7	21.99	3.24	25.23	<=30	Pass
		15	0	21.93	3.24	25.17	<=30	Pass
	1732.5	1	0	23.27	3.24	26.51	<=30	Pass
			7	23.28	3.24	26.52	<=30	Pass
			14	23.29	3.24	26.53	<=30	Pass
		8	0	21.96	3.24	25.20	<=30	Pass
			4	21.90	3.24	25.14	<=30	Pass
			7	21.92	3.24	25.16	<=30	Pass
		15	0	21.87	3.24	25.11	<=30	Pass
	1753.5	1	0	22.79	3.24	26.03	<=30	Pass
			7	22.82	3.24	26.06	<=30	Pass
			14	22.82	3.24	26.06	<=30	Pass
		8	0	21.85	3.24	25.09	<=30	Pass
			4	21.83	3.24	25.07	<=30	Pass
			7	21.85	3.24	25.09	<=30	Pass
		15	0	21.90	3.24	25.14	<=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	24.03	3.24	27.27	<=30	Pass
			13	24.06	3.24	27.30	<=30	Pass
			24	24.08	3.24	27.32	<=30	Pass
		12	0	22.97	3.24	26.21	<=30	Pass
			6	23.01	3.24	26.25	<=30	Pass
			13	23.11	3.24	26.35	<=30	Pass
		25	0	23.05	3.24	26.29	<=30	Pass
	1732.5	1	0	23.99	3.24	27.23	<=30	Pass
			13	23.93	3.24	27.17	<=30	Pass
			24	23.95	3.24	27.19	<=30	Pass
		12	0	22.91	3.24	26.15	<=30	Pass
			6	22.88	3.24	26.12	<=30	Pass
			13	22.87	3.24	26.11	<=30	Pass
		25	0	22.94	3.24	26.18	<=30	Pass
	1752.5	1	0	23.87	3.24	27.11	<=30	Pass
			13	23.87	3.24	27.11	<=30	Pass
			24	23.89	3.24	27.13	<=30	Pass
		12	0	22.88	3.24	26.12	<=30	Pass
			6	22.87	3.24	26.11	<=30	Pass
			13	22.84	3.24	26.08	<=30	Pass
		25	0	22.89	3.24	26.13	<=30	Pass
16QAM	1712.5	1	0	23.11	3.24	26.35	<=30	Pass
			13	23.16	3.24	26.40	<=30	Pass
			24	23.18	3.24	26.42	<=30	Pass
		12	0	21.94	3.24	25.18	<=30	Pass
			6	21.97	3.24	25.21	<=30	Pass
			13	22.04	3.24	25.28	<=30	Pass
		25	0	21.98	3.24	25.22	<=30	Pass
	1732.5	1	0	22.90	3.24	26.14	<=30	Pass
			13	22.87	3.24	26.11	<=30	Pass
			24	22.87	3.24	26.11	<=30	Pass
		12	0	21.95	3.24	25.19	<=30	Pass
			6	21.93	3.24	25.17	<=30	Pass
			13	21.88	3.24	25.12	<=30	Pass
		25	0	22.01	3.24	25.25	<=30	Pass
	1752.5	1	0	23.29	3.24	26.53	<=30	Pass
			13	23.30	3.24	26.54	<=30	Pass
			24	23.33	3.24	26.57	<=30	Pass
		12	0	21.88	3.24	25.12	<=30	Pass
			6	21.86	3.24	25.10	<=30	Pass
			13	21.85	3.24	25.09	<=30	Pass
		25	0	21.85	3.24	25.09	<=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	23.94	3.24	27.18	<=30	Pass
			25	24.05	3.24	27.29	<=30	Pass
			49	23.99	3.24	27.23	<=30	Pass
		25	0	22.93	3.24	26.17	<=30	Pass
			13	22.99	3.24	26.23	<=30	Pass
			25	23.07	3.24	26.31	<=30	Pass
		50	0	22.99	3.24	26.23	<=30	Pass
	1732.5	1	0	24.00	3.24	27.24	<=30	Pass
			25	23.99	3.24	27.23	<=30	Pass
			49	23.95	3.24	27.19	<=30	Pass
		25	0	22.93	3.24	26.17	<=30	Pass
			13	22.91	3.24	26.15	<=30	Pass
			25	22.90	3.24	26.14	<=30	Pass
		50	0	22.95	3.24	26.19	<=30	Pass
	1750	1	0	23.91	3.24	27.15	<=30	Pass
			25	23.94	3.24	27.18	<=30	Pass
			49	23.95	3.24	27.19	<=30	Pass
		25	0	22.84	3.24	26.08	<=30	Pass
			13	22.83	3.24	26.07	<=30	Pass
			25	22.86	3.24	26.10	<=30	Pass
		50	0	22.87	3.24	26.11	<=30	Pass
16QAM	1715	1	0	23.01	3.24	26.25	<=30	Pass
			25	23.10	3.24	26.34	<=30	Pass
			49	23.07	3.24	26.31	<=30	Pass
		25	0	21.96	3.24	25.20	<=30	Pass
			13	22.05	3.24	25.29	<=30	Pass
			25	22.11	3.24	25.35	<=30	Pass
		50	0	21.98	3.24	25.22	<=30	Pass
	1732.5	1	0	23.34	3.24	26.58	<=30	Pass
			25	23.33	3.24	26.57	<=30	Pass
			49	23.29	3.24	26.53	<=30	Pass
		25	0	21.92	3.24	25.16	<=30	Pass
			13	21.91	3.24	25.15	<=30	Pass
			25	21.91	3.24	25.15	<=30	Pass
		50	0	21.92	3.24	25.16	<=30	Pass
	1750	1	0	22.75	3.24	25.99	<=30	Pass
			25	22.80	3.24	26.04	<=30	Pass
			49	22.80	3.24	26.04	<=30	Pass
		25	0	21.87	3.24	25.11	<=30	Pass
			13	21.86	3.24	25.10	<=30	Pass
			25	21.88	3.24	25.12	<=30	Pass
		50	0	21.82	3.24	25.06	<=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	24.01	3.24	27.25	<=30	Pass
			38	24.11	3.24	27.35	<=30	Pass
			74	23.98	3.24	27.22	<=30	Pass
		36	0	22.90	3.24	26.14	<=30	Pass
			18	22.99	3.24	26.23	<=30	Pass
			39	22.96	3.24	26.20	<=30	Pass
		75	0	22.99	3.24	26.23	<=30	Pass
	1732.5	1	0	23.86	3.24	27.10	<=30	Pass
			38	23.80	3.24	27.04	<=30	Pass
			74	23.74	3.24	26.98	<=30	Pass
		36	0	22.91	3.24	26.15	<=30	Pass
			18	22.88	3.24	26.12	<=30	Pass
			39	22.89	3.24	26.13	<=30	Pass
		75	0	22.91	3.24	26.15	<=30	Pass
	1747.5	1	0	23.81	3.24	27.05	<=30	Pass
			38	23.88	3.24	27.12	<=30	Pass
			74	23.84	3.24	27.08	<=30	Pass
		36	0	22.83	3.24	26.07	<=30	Pass
			18	22.79	3.24	26.03	<=30	Pass
			39	22.88	3.24	26.12	<=30	Pass
		75	0	22.86	3.24	26.10	<=30	Pass
16QAM	1717.5	1	0	22.86	3.24	26.10	<=30	Pass
			38	22.99	3.24	26.23	<=30	Pass
			74	22.85	3.24	26.09	<=30	Pass
		36	0	21.92	3.24	25.16	<=30	Pass
			18	22.00	3.24	25.24	<=30	Pass
			39	21.98	3.24	25.22	<=30	Pass
		75	0	21.97	3.24	25.21	<=30	Pass
	1732.5	1	0	22.95	3.24	26.19	<=30	Pass
			38	22.95	3.24	26.19	<=30	Pass
			74	22.84	3.24	26.08	<=30	Pass
		36	0	21.87	3.24	25.11	<=30	Pass
			18	21.88	3.24	25.12	<=30	Pass
			39	21.82	3.24	25.06	<=30	Pass
		75	0	21.90	3.24	25.14	<=30	Pass
	1747.5	1	0	22.78	3.24	26.02	<=30	Pass
			38	22.83	3.24	26.07	<=30	Pass
			74	22.81	3.24	26.05	<=30	Pass
		36	0	21.82	3.24	25.06	<=30	Pass
			18	21.81	3.24	25.05	<=30	Pass
			39	21.82	3.24	25.06	<=30	Pass
		75	0	21.87	3.24	25.11	<=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	23.91	3.24	27.15	<=30	Pass
			50	24.05	3.24	27.29	<=30	Pass
			99	23.90	3.24	27.14	<=30	Pass
		50	0	22.95	3.24	26.19	<=30	Pass
			25	23.00	3.24	26.24	<=30	Pass

			50	22.97	3.24	26.21	<=30	Pass
		100	0	22.95	3.24	26.19	<=30	Pass
	1732.5	1	0	23.93	3.24	27.17	<=30	Pass
			50	23.98	3.24	27.22	<=30	Pass
			99	23.82	3.24	27.06	<=30	Pass
		50	0	22.90	3.24	26.14	<=30	Pass
			25	22.92	3.24	26.16	<=30	Pass
			50	22.89	3.24	26.13	<=30	Pass
		100	0	22.92	3.24	26.16	<=30	Pass
	1745	1	0	23.86	3.24	27.10	<=30	Pass
			50	23.90	3.24	27.14	<=30	Pass
			99	23.85	3.24	27.09	<=30	Pass
		50	0	22.84	3.24	26.08	<=30	Pass
			25	22.93	3.24	26.17	<=30	Pass
			50	22.84	3.24	26.08	<=30	Pass
		100	0	22.83	3.24	26.07	<=30	Pass
16QAM	1720	1	0	23.34	3.24	26.58	<=30	Pass
			50	23.45	3.24	26.69	<=30	Pass
			99	23.31	3.24	26.55	<=30	Pass
		50	0	21.92	3.24	25.16	<=30	Pass
			25	22.02	3.24	25.26	<=30	Pass
			50	21.97	3.24	25.21	<=30	Pass
		100	0	21.92	3.24	25.16	<=30	Pass
	1732.5	1	0	22.96	3.24	26.20	<=30	Pass
			50	22.99	3.24	26.23	<=30	Pass
			99	22.86	3.24	26.10	<=30	Pass
		50	0	21.85	3.24	25.09	<=30	Pass
			25	21.87	3.24	25.11	<=30	Pass
			50	21.86	3.24	25.10	<=30	Pass
		100	0	21.85	3.24	25.09	<=30	Pass
	1745	1	0	22.70	3.24	25.94	<=30	Pass
			50	22.74	3.24	25.98	<=30	Pass
			99	22.70	3.24	25.94	<=30	Pass
		50	0	21.84	3.24	25.08	<=30	Pass
			25	21.84	3.24	25.08	<=30	Pass
			50	21.78	3.24	25.02	<=30	Pass
		100	0	21.82	3.24	25.06	<=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	1.087	0.0006	-2.5 to 2.5	Pass
					3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
					4.43	3.190	0.0019	-2.5 to 2.5	Pass
				-30	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				-20	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				-10	3.85	3.190	0.0019	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				30	3.85	3.047	0.0018	-2.5 to 2.5	Pass
				40	3.85	2.975	0.0017	-2.5 to 2.5	Pass
				50	3.85	-0.429	-0.0003	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-4.406	-0.0025	-2.5 to 2.5	Pass
					3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.958	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				0	3.85	5.093	0.0029	-2.5 to 2.5	Pass
				10	3.85	4.964	0.0029	-2.5 to 2.5	Pass
				30	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				40	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				50	3.85	1.831	0.0011	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-1.373	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
					4.43	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-3.934	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				0	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	1.817	0.0011	-2.5 to 2.5	Pass
					3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
					4.43	3.333	0.0019	-2.5 to 2.5	Pass
				-30	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.346	0.0014	-2.5 to 2.5	Pass
				10	3.85	0.944	0.0006	-2.5 to 2.5	Pass
				30	3.85	5.364	0.0031	-2.5 to 2.5	Pass
				40	3.85	5.250	0.0031	-2.5 to 2.5	Pass
				50	3.85	5.708	0.0033	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	2.646	0.0015	-2.5 to 2.5	Pass
					3.85	4.950	0.0029	-2.5 to 2.5	Pass
					4.43	-1.731	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	5.121	0.0030	-2.5 to 2.5	Pass
				-20	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass

				-10	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				10	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				30	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				40	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				50	3.85	2.360	0.0014	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	1.073	0.0006	-2.5 to 2.5	Pass
					3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
					4.43	5.422	0.0031	-2.5 to 2.5	Pass
				-30	3.85	6.709	0.0038	-2.5 to 2.5	Pass
				-20	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.302	-0.0007	-2.5 to 2.5	Pass
				0	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				10	3.85	5.565	0.0032	-2.5 to 2.5	Pass
				30	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				50	3.85	4.234	0.0024	-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	-11.759	-0.0069	-2.5 to 2.5	Pass
					3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
					4.43	1.016	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.204	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				50	3.85	5.507	0.0032	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.486	0.0003	-2.5 to 2.5	Pass
					3.85	-4.106	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.851	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				0	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				30	3.85	2.160	0.0012	-2.5 to 2.5	Pass
				40	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				50	3.85	3.934	0.0023	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-0.701	-0.0004	-2.5 to 2.5	Pass
					3.85	1.688	0.0010	-2.5 to 2.5	Pass
					4.43	-2.089	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	6.294	0.0036	-2.5 to 2.5	Pass
				0	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				10	3.85	2.918	0.0017	-2.5 to 2.5	Pass
				30	3.85	3.519	0.0020	-2.5 to 2.5	Pass
				40	3.85	4.191	0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	0.072	0.0000	-2.5 to 2.5	Pass
					3.85	5.608	0.0033	-2.5 to 2.5	Pass

					4.43	2.460	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				10	3.85	3.862	0.0023	-2.5 to 2.5	Pass
				30	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				40	3.85	4.277	0.0025	-2.5 to 2.5	Pass
				50	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	3.262	0.0019	-2.5 to 2.5	Pass
					3.85	1.574	0.0009	-2.5 to 2.5	Pass
					4.43	2.217	0.0013	-2.5 to 2.5	Pass
				-30	3.85	5.021	0.0029	-2.5 to 2.5	Pass
				-20	3.85	3.076	0.0018	-2.5 to 2.5	Pass
				-10	3.85	3.176	0.0018	-2.5 to 2.5	Pass
				0	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				10	3.85	9.084	0.0052	-2.5 to 2.5	Pass
				30	3.85	6.609	0.0038	-2.5 to 2.5	Pass
				40	3.85	5.221	0.0030	-2.5 to 2.5	Pass
				50	3.85	8.540	0.0049	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	4.406	0.0025	-2.5 to 2.5	Pass
					3.85	4.091	0.0023	-2.5 to 2.5	Pass
					4.43	2.003	0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-10	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				0	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				50	3.85	2.861	0.0016	-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	-3.262	-0.0019	-2.5 to 2.5	Pass
					3.85	2.775	0.0016	-2.5 to 2.5	Pass
					4.43	3.777	0.0022	-2.5 to 2.5	Pass
				-30	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.146	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				30	3.85	4.649	0.0027	-2.5 to 2.5	Pass
				40	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				50	3.85	1.874	0.0011	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	4.020	0.0023	-2.5 to 2.5	Pass
					3.85	2.260	0.0013	-2.5 to 2.5	Pass
					4.43	4.034	0.0023	-2.5 to 2.5	Pass
				-30	3.85	4.048	0.0023	-2.5 to 2.5	Pass
				-20	3.85	3.591	0.0021	-2.5 to 2.5	Pass
				-10	3.85	5.465	0.0032	-2.5 to 2.5	Pass
				0	3.85	3.490	0.0020	-2.5 to 2.5	Pass
				10	3.85	4.492	0.0026	-2.5 to 2.5	Pass
				30	3.85	2.003	0.0012	-2.5 to 2.5	Pass
				40	3.85	4.163	0.0024	-2.5 to 2.5	Pass

				50	3.85	4.292	0.0025	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-4.964	-0.0028	-2.5 to 2.5	Pass
					3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
					4.43	-2.632	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-5.822	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				30	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	4.520	0.0026	-2.5 to 2.5	Pass
					3.85	0.672	0.0004	-2.5 to 2.5	Pass
					4.43	2.904	0.0017	-2.5 to 2.5	Pass
				-30	3.85	3.347	0.0020	-2.5 to 2.5	Pass
				-20	3.85	5.050	0.0029	-2.5 to 2.5	Pass
				-10	3.85	5.836	0.0034	-2.5 to 2.5	Pass
				0	3.85	2.289	0.0013	-2.5 to 2.5	Pass
				10	3.85	3.791	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				40	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.745	0.0010	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.787	0.0005	-2.5 to 2.5	Pass
					3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
					4.43	2.718	0.0016	-2.5 to 2.5	Pass
				-30	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				-10	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				10	3.85	2.432	0.0014	-2.5 to 2.5	Pass
				30	3.85	2.918	0.0017	-2.5 to 2.5	Pass
				40	3.85	2.689	0.0016	-2.5 to 2.5	Pass
				50	3.85	3.190	0.0018	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-0.215	-0.0001	-2.5 to 2.5	Pass
					3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
					4.43	-3.648	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-4.435	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.501	-0.0003	-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	-0.944	-0.0006	-2.5 to 2.5	Pass
					3.85	4.821	0.0028	-2.5 to 2.5	Pass
					4.43	5.450	0.0032	-2.5 to 2.5	Pass
				-30	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				-20	3.85	5.107	0.0030	-2.5 to 2.5	Pass
				-10	3.85	2.832	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.202	0.0007	-2.5 to 2.5	Pass

				10	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.360	0.0014	-2.5 to 2.5	Pass
				40	3.85	2.303	0.0013	-2.5 to 2.5	Pass
				50	3.85	2.747	0.0016	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-1.545	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
					4.43	0.730	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				0	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	1.245	0.0007	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	4.764	0.0027	-2.5 to 2.5	Pass
					3.85	5.951	0.0034	-2.5 to 2.5	Pass
					4.43	7.224	0.0041	-2.5 to 2.5	Pass
				-30	3.85	3.862	0.0022	-2.5 to 2.5	Pass
				-20	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				-10	3.85	4.363	0.0025	-2.5 to 2.5	Pass
				0	3.85	6.495	0.0037	-2.5 to 2.5	Pass
				10	3.85	7.267	0.0042	-2.5 to 2.5	Pass
				30	3.85	5.379	0.0031	-2.5 to 2.5	Pass
				40	3.85	3.819	0.0022	-2.5 to 2.5	Pass
				50	3.85	5.708	0.0033	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	2.232	0.0013	-2.5 to 2.5	Pass
					3.85	3.576	0.0021	-2.5 to 2.5	Pass
					4.43	0.486	0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.974	0.0012	-2.5 to 2.5	Pass
				-10	3.85	5.007	0.0029	-2.5 to 2.5	Pass
				0	3.85	4.435	0.0026	-2.5 to 2.5	Pass
				10	3.85	2.646	0.0015	-2.5 to 2.5	Pass
				30	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.731	0.0010	-2.5 to 2.5	Pass
				50	3.85	4.048	0.0024	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.186	-0.0001	-2.5 to 2.5	Pass
					3.85	1.030	0.0006	-2.5 to 2.5	Pass
					4.43	0.830	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-20	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				0	3.85	1.259	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.129	-0.0001	-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	5.107	0.0029	-2.5 to 2.5	Pass
					3.85	5.221	0.0030	-2.5 to 2.5	Pass
					4.43	1.245	0.0007	-2.5 to 2.5	Pass
				-30	3.85	4.807	0.0027	-2.5 to 2.5	Pass
				-20	3.85	2.975	0.0017	-2.5 to 2.5	Pass
				-10	3.85	4.392	0.0025	-2.5 to 2.5	Pass
				0	3.85	4.678	0.0027	-2.5 to 2.5	Pass
				10	3.85	3.233	0.0018	-2.5 to 2.5	Pass
				30	3.85	6.638	0.0038	-2.5 to 2.5	Pass
				40	3.85	1.817	0.0010	-2.5 to 2.5	Pass
				50	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	0.243	0.0001	-2.5 to 2.5	Pass
					3.85	3.633	0.0021	-2.5 to 2.5	Pass
					4.43	4.220	0.0025	-2.5 to 2.5	Pass
				-30	3.85	1.702	0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.476	0.0020	-2.5 to 2.5	Pass
				-10	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				0	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				10	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				30	3.85	2.289	0.0013	-2.5 to 2.5	Pass
				40	3.85	2.975	0.0017	-2.5 to 2.5	Pass
				50	3.85	4.063	0.0024	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-0.257	-0.0001	-2.5 to 2.5	Pass
					3.85	2.275	0.0013	-2.5 to 2.5	Pass
					4.43	1.874	0.0011	-2.5 to 2.5	Pass
				-30	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				-20	3.85	2.689	0.0016	-2.5 to 2.5	Pass
				-10	3.85	4.420	0.0026	-2.5 to 2.5	Pass
				0	3.85	4.177	0.0024	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				30	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				40	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				50	3.85	4.506	0.0026	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	3.033	0.0017	-2.5 to 2.5	Pass
					3.85	3.033	0.0017	-2.5 to 2.5	Pass
					4.43	2.961	0.0017	-2.5 to 2.5	Pass
				-30	3.85	3.834	0.0022	-2.5 to 2.5	Pass
				-20	3.85	2.961	0.0017	-2.5 to 2.5	Pass
				-10	3.85	3.920	0.0022	-2.5 to 2.5	Pass
				0	3.85	3.204	0.0018	-2.5 to 2.5	Pass
				10	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				40	3.85	2.675	0.0015	-2.5 to 2.5	Pass
				50	3.85	2.961	0.0017	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	2.961	0.0017	-2.5 to 2.5	Pass
					3.85	5.636	0.0033	-2.5 to 2.5	Pass
					4.43	5.550	0.0032	-2.5 to 2.5	Pass
				-30	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				-20	3.85	3.219	0.0019	-2.5 to 2.5	Pass
				-10	3.85	4.435	0.0026	-2.5 to 2.5	Pass
				0	3.85	6.208	0.0036	-2.5 to 2.5	Pass
				10	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				30	3.85	3.848	0.0022	-2.5 to 2.5	Pass
				40	3.85	3.619	0.0021	-2.5 to 2.5	Pass
				50	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	1.931	0.0011	-2.5 to 2.5	Pass
					3.85	1.931	0.0011	-2.5 to 2.5	Pass
					4.43	1.616	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.817	0.0010	-2.5 to 2.5	Pass
				-20	3.85	4.792	0.0028	-2.5 to 2.5	Pass
				-10	3.85	4.563	0.0026	-2.5 to 2.5	Pass
				0	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				10	3.85	3.834	0.0022	-2.5 to 2.5	Pass

				30	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.459	0.0008	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	3.133	0.0018	-2.5 to 2.5	Pass
					3.85	1.388	0.0008	-2.5 to 2.5	Pass
					4.43	1.416	0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.646	0.0015	-2.5 to 2.5	Pass
				-20	3.85	3.047	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				30	3.85	3.061	0.0018	-2.5 to 2.5	Pass
				40	3.85	4.206	0.0024	-2.5 to 2.5	Pass
				50	3.85	1.931	0.0011	-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	1.574	0.0009	-2.5 to 2.5	Pass
					3.85	-1.659	-0.0010	-2.5 to 2.5	Pass
					4.43	2.418	0.0014	-2.5 to 2.5	Pass
				-30	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.661	0.0015	-2.5 to 2.5	Pass
				-10	3.85	3.376	0.0020	-2.5 to 2.5	Pass
				0	3.85	1.988	0.0012	-2.5 to 2.5	Pass
				10	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				40	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				50	3.85	3.147	0.0018	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	2.632	0.0015	-2.5 to 2.5	Pass
					3.85	3.505	0.0020	-2.5 to 2.5	Pass
					4.43	2.317	0.0013	-2.5 to 2.5	Pass
				-30	3.85	3.390	0.0020	-2.5 to 2.5	Pass
				-20	3.85	2.661	0.0015	-2.5 to 2.5	Pass
				-10	3.85	4.277	0.0025	-2.5 to 2.5	Pass
				0	3.85	1.702	0.0010	-2.5 to 2.5	Pass
				10	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				30	3.85	3.190	0.0018	-2.5 to 2.5	Pass
				40	3.85	3.548	0.0020	-2.5 to 2.5	Pass
				50	3.85	3.548	0.0020	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	2.117	0.0012	-2.5 to 2.5	Pass
					3.85	3.018	0.0017	-2.5 to 2.5	Pass
					4.43	1.359	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.988	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				10	3.85	3.805	0.0022	-2.5 to 2.5	Pass
				30	3.85	1.817	0.0010	-2.5 to 2.5	Pass
				40	3.85	2.303	0.0013	-2.5 to 2.5	Pass
				50	3.85	3.419	0.0020	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	3.591	0.0021	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
					4.43	0.916	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.502	0.0009	-2.5 to 2.5	Pass

				-10	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				30	3.85	3.819	0.0022	-2.5 to 2.5	Pass
				40	3.85	4.306	0.0025	-2.5 to 2.5	Pass
				50	3.85	2.832	0.0016	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	2.332	0.0013	-2.5 to 2.5	Pass
					3.85	2.089	0.0012	-2.5 to 2.5	Pass
					4.43	3.033	0.0018	-2.5 to 2.5	Pass
				-30	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				-20	3.85	4.864	0.0028	-2.5 to 2.5	Pass
				-10	3.85	2.861	0.0017	-2.5 to 2.5	Pass
				0	3.85	2.003	0.0012	-2.5 to 2.5	Pass
				10	3.85	5.064	0.0029	-2.5 to 2.5	Pass
				30	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				40	3.85	3.748	0.0022	-2.5 to 2.5	Pass
				50	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	4.363	0.0025	-2.5 to 2.5	Pass
					3.85	4.563	0.0026	-2.5 to 2.5	Pass
					4.43	3.619	0.0021	-2.5 to 2.5	Pass
				-30	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.432	0.0014	-2.5 to 2.5	Pass
				-10	3.85	2.489	0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.287	0.0007	-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

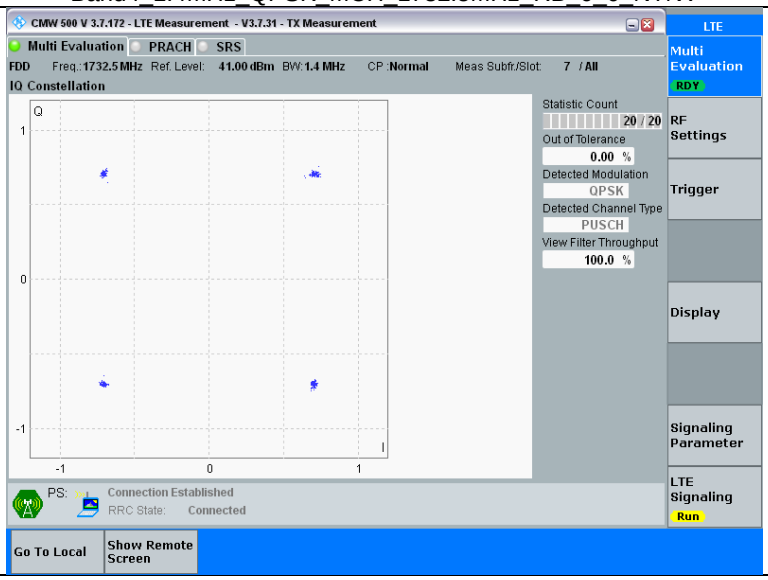
3.1.6 B4_20MHz

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

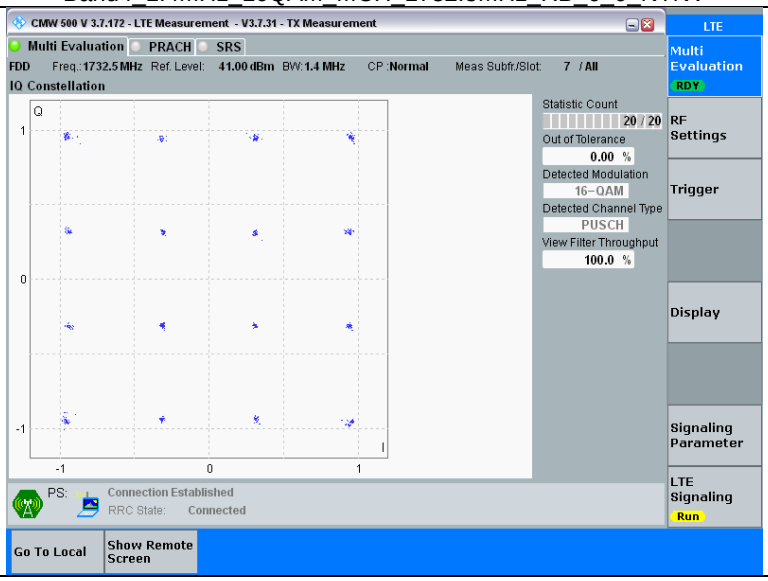
3.2 Test Graph

3.2.1 B4_1.4MHz

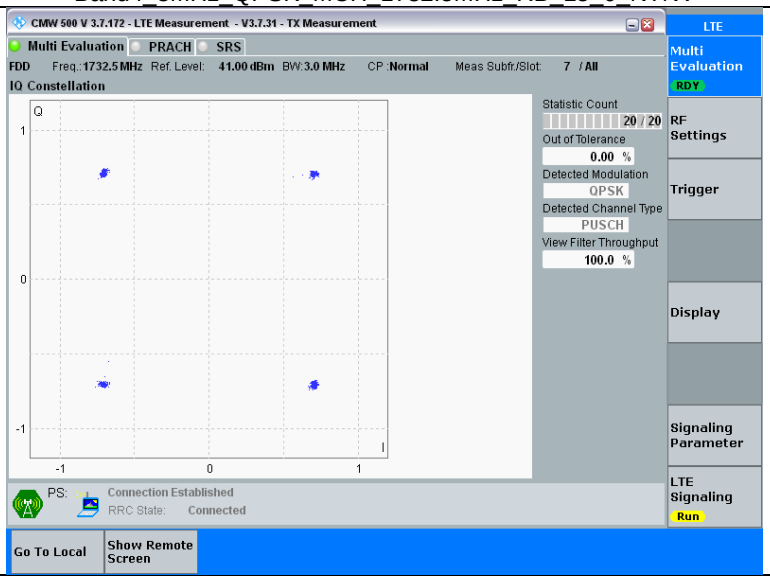
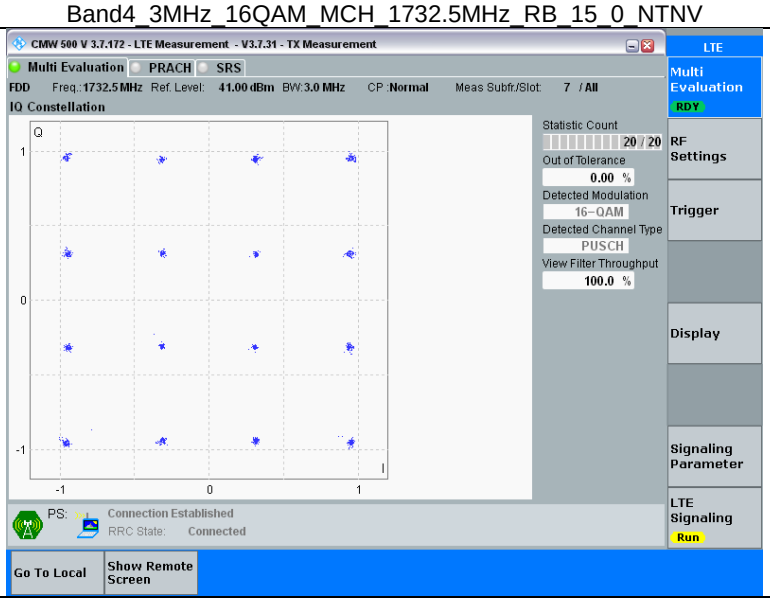
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



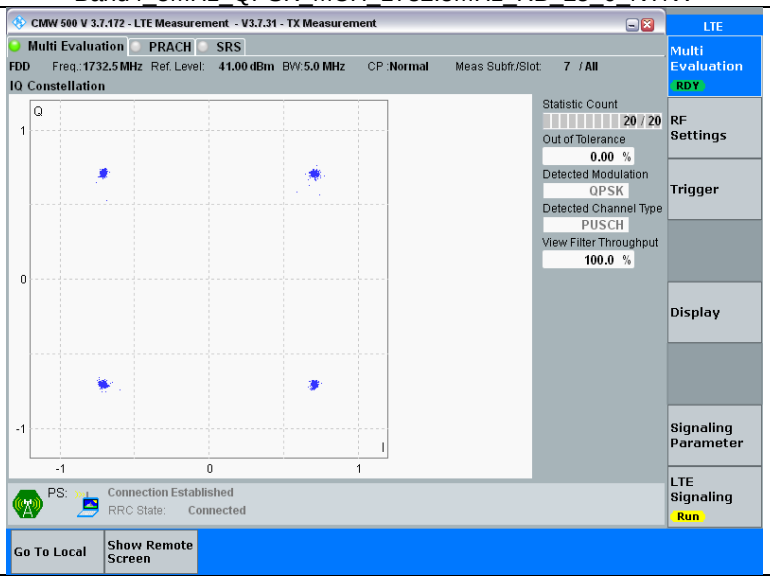
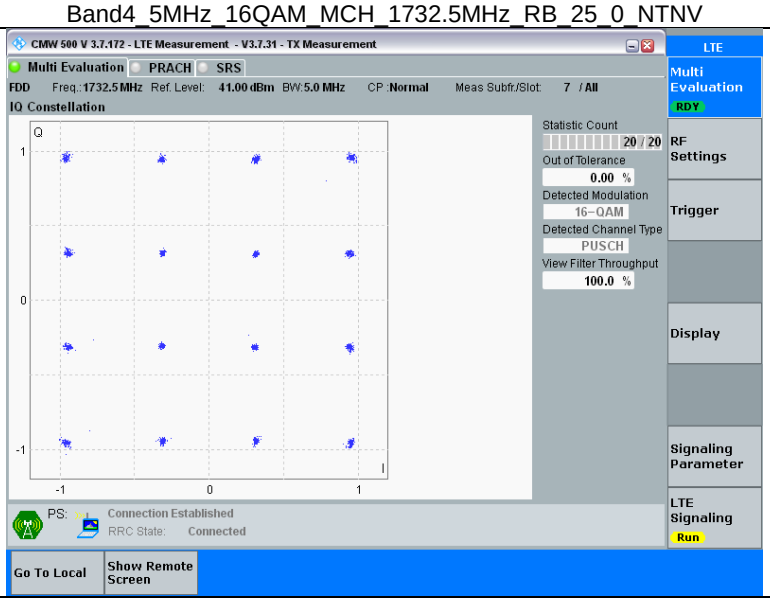
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



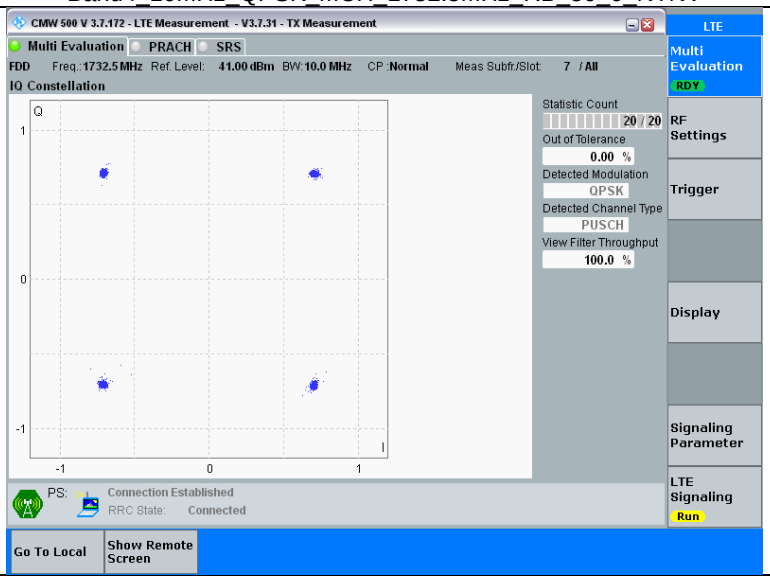
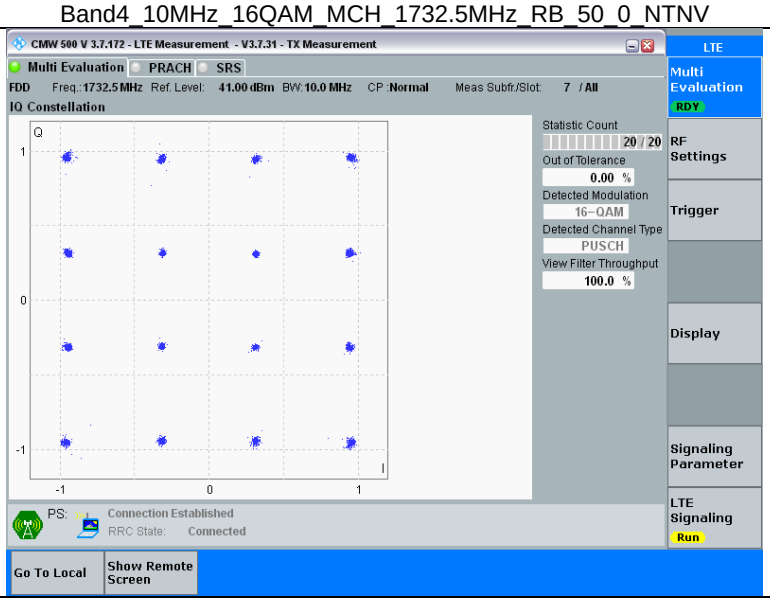
3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


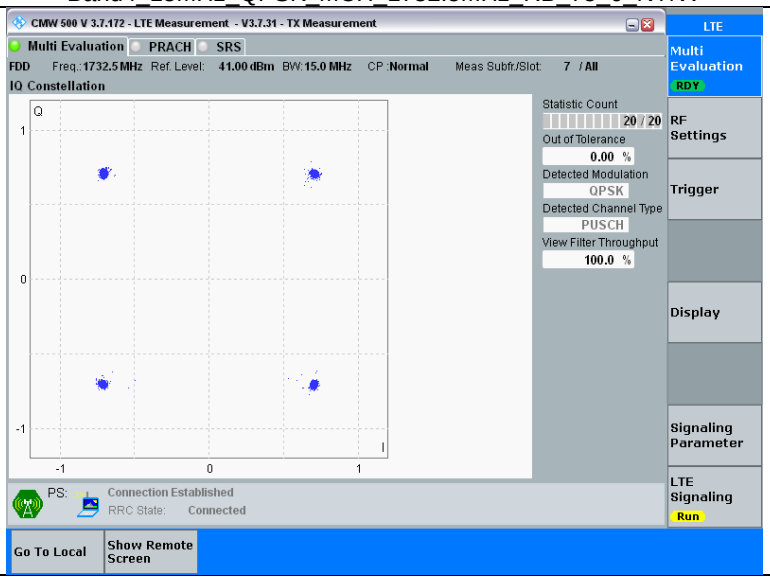
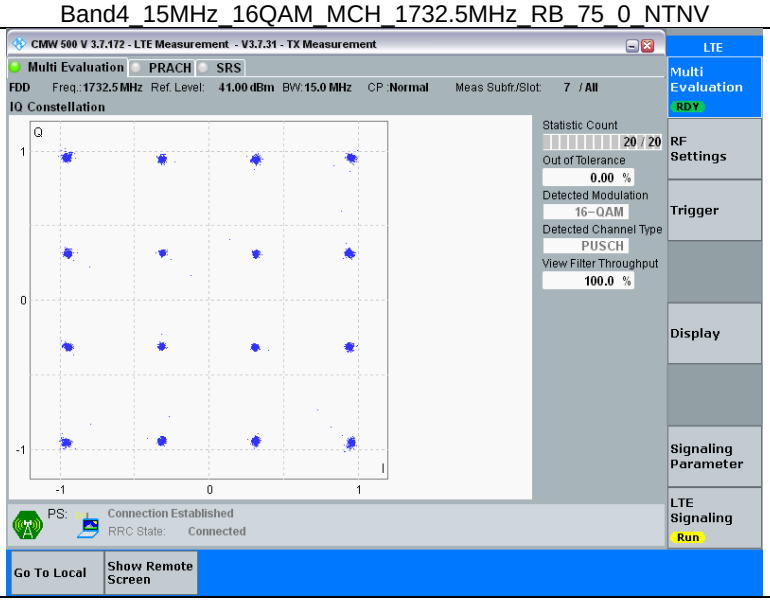
3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


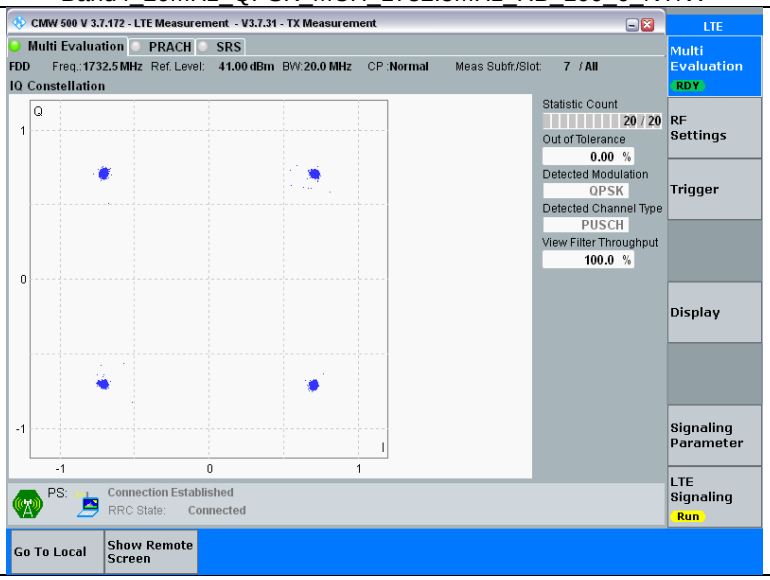
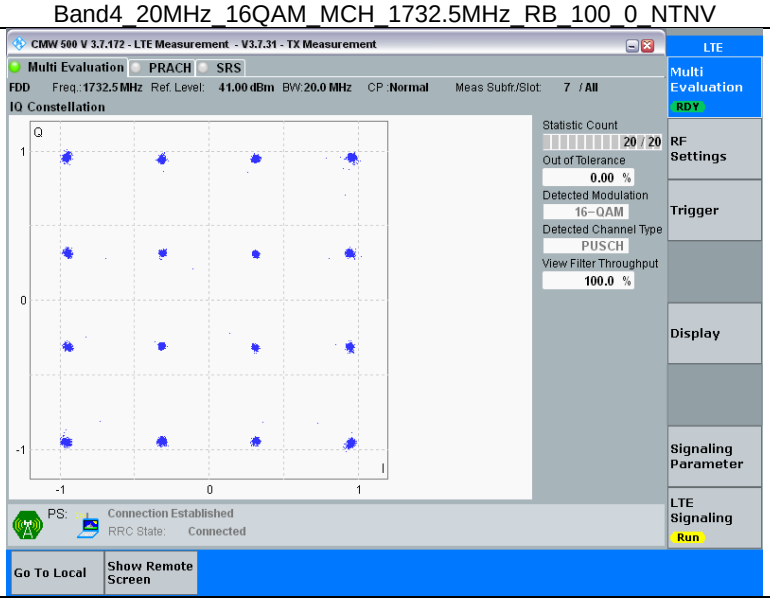
3.2.4 B4_10MHz

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	1.117	/	Pass
		1754.3	6	0	1.106	/	Pass
	16QAM	1710.7	6	0	1.120	/	Pass
		1732.5	6	0	1.113	/	Pass
		1754.3	6	0	1.106	/	Pass
3	QPSK	1711.5	15	0	2.726	/	Pass
		1732.5	15	0	2.727	/	Pass
		1753.5	15	0	2.736	/	Pass
	16QAM	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.731	/	Pass
		1753.5	15	0	2.734	/	Pass
5	QPSK	1712.5	25	0	4.545	/	Pass
		1732.5	25	0	4.543	/	Pass
		1752.5	25	0	4.559	/	Pass
	16QAM	1712.5	25	0	4.541	/	Pass
		1732.5	25	0	4.563	/	Pass
		1752.5	25	0	4.537	/	Pass
10	QPSK	1715	50	0	9.059	/	Pass
		1732.5	50	0	9.031	/	Pass
		1750	50	0	9.064	/	Pass
	16QAM	1715	50	0	9.031	/	Pass
		1732.5	50	0	9.052	/	Pass
		1750	50	0	9.007	/	Pass
15	QPSK	1717.5	75	0	13.567	/	Pass
		1732.5	75	0	13.576	/	Pass
		1747.5	75	0	13.581	/	Pass
	16QAM	1717.5	75	0	13.607	/	Pass
		1732.5	75	0	13.577	/	Pass
		1747.5	75	0	13.623	/	Pass
20	QPSK	1720	100	0	18.092	/	Pass
		1732.5	100	0	18.125	/	Pass
		1745	100	0	18.045	/	Pass
	16QAM	1720	100	0	18.175	/	Pass
		1732.5	100	0	18.114	/	Pass
		1745	100	0	18.061	/	Pass

4.1.2 Band4_XDB

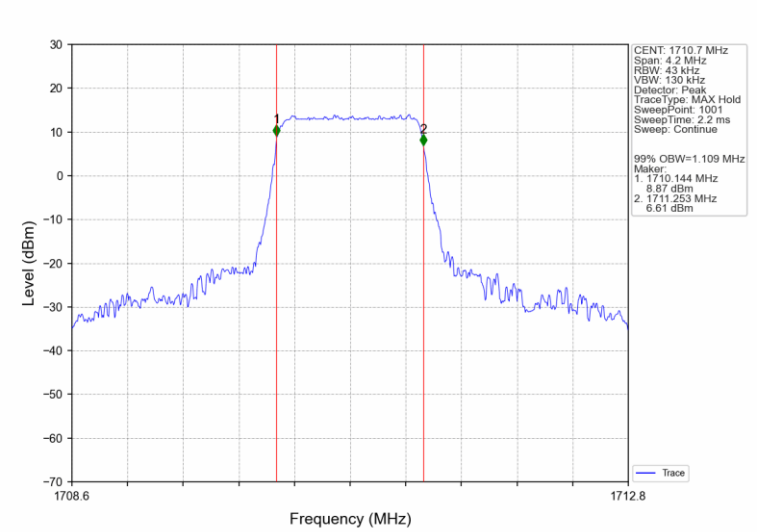
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.327	/	Pass
		1732.5	6	0	1.319	/	Pass
		1754.3	6	0	1.325	/	Pass
	16QAM	1710.7	6	0	1.328	/	Pass
		1732.5	6	0	1.347	/	Pass
		1754.3	6	0	1.318	/	Pass
3	QPSK	1711.5	15	0	3.012	/	Pass

		1732.5	15	0	2.999	/	Pass
		1753.5	15	0	3.026	/	Pass
	16QAM	1711.5	15	0	3.015	/	Pass
		1732.5	15	0	3.028	/	Pass
		1753.5	15	0	3.018	/	Pass
5	QPSK	1712.5	25	0	5.032	/	Pass
		1732.5	25	0	5.057	/	Pass
		1752.5	25	0	5.034	/	Pass
	16QAM	1712.5	25	0	5.074	/	Pass
		1732.5	25	0	5.086	/	Pass
		1752.5	25	0	5.009	/	Pass
10	QPSK	1715	50	0	9.945	/	Pass
		1732.5	50	0	9.929	/	Pass
		1750	50	0	9.918	/	Pass
	16QAM	1715	50	0	9.929	/	Pass
		1732.5	50	0	9.815	/	Pass
		1750	50	0	9.919	/	Pass
15	QPSK	1717.5	75	0	14.894	/	Pass
		1732.5	75	0	15.271	/	Pass
		1747.5	75	0	14.905	/	Pass
	16QAM	1717.5	75	0	14.977	/	Pass
		1732.5	75	0	14.830	/	Pass
		1747.5	75	0	14.959	/	Pass
20	QPSK	1720	100	0	19.666	/	Pass
		1732.5	100	0	19.742	/	Pass
		1745	100	0	19.784	/	Pass
	16QAM	1720	100	0	19.624	/	Pass
		1732.5	100	0	19.844	/	Pass
		1745	100	0	19.589	/	Pass

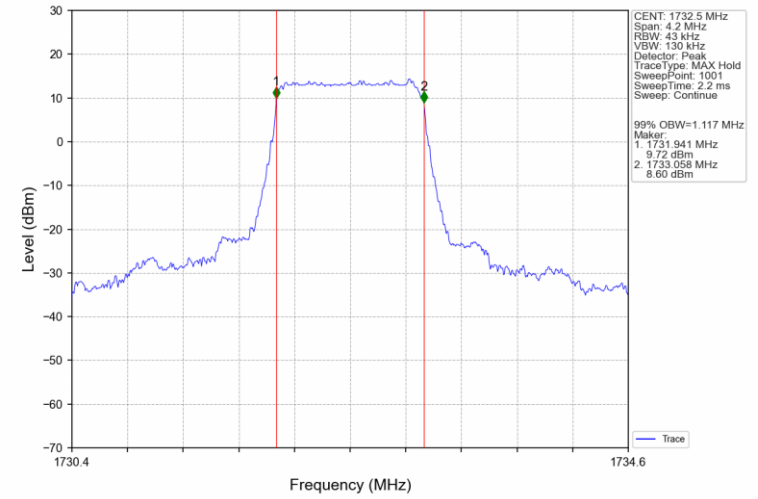
4.2 Test Graph

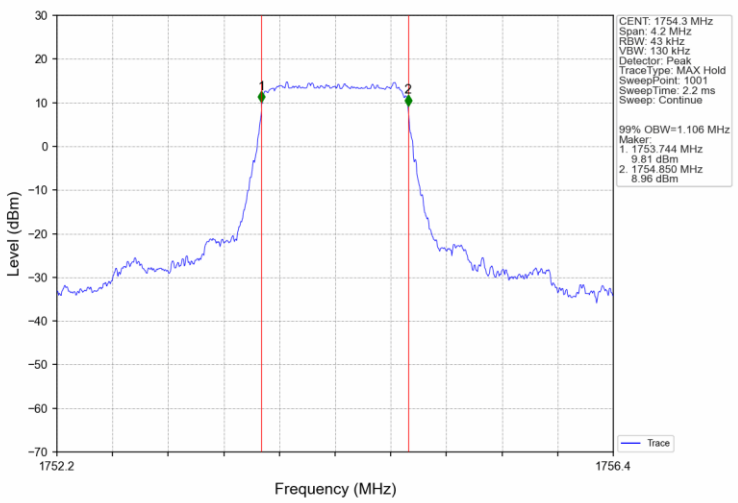
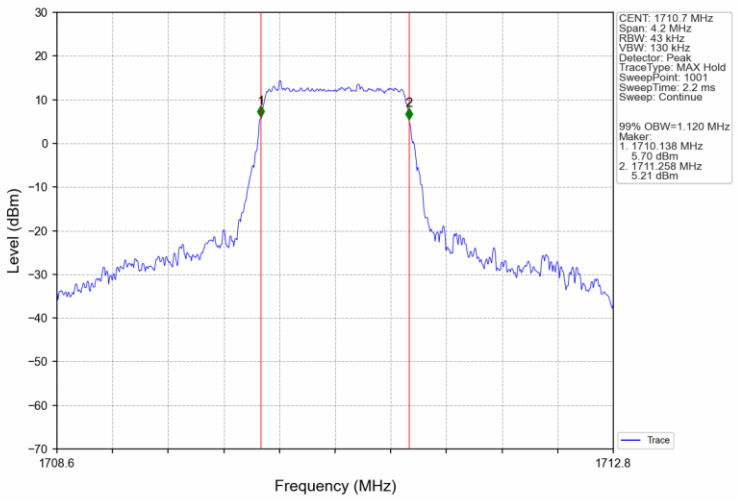
4.2.1 Band4_OBW

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

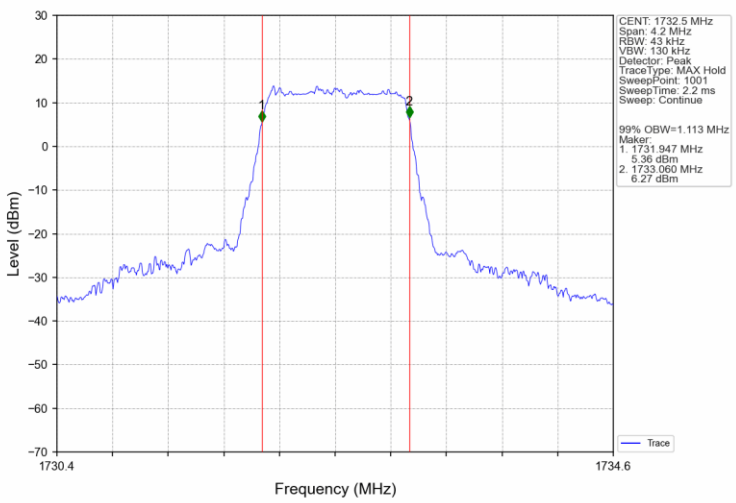


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

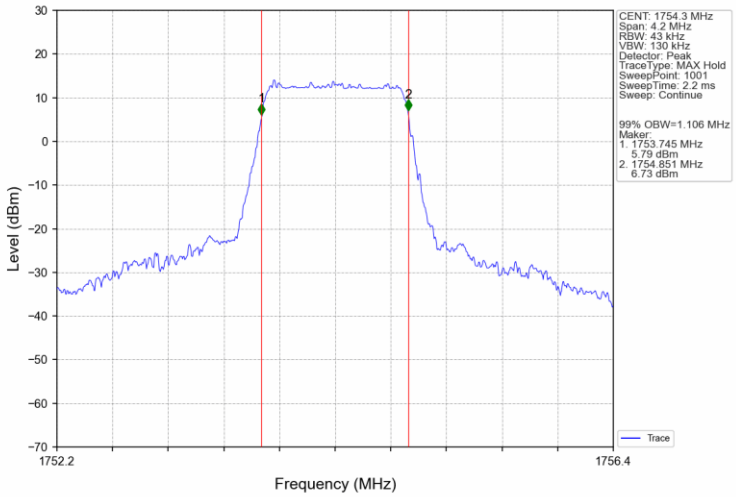


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV


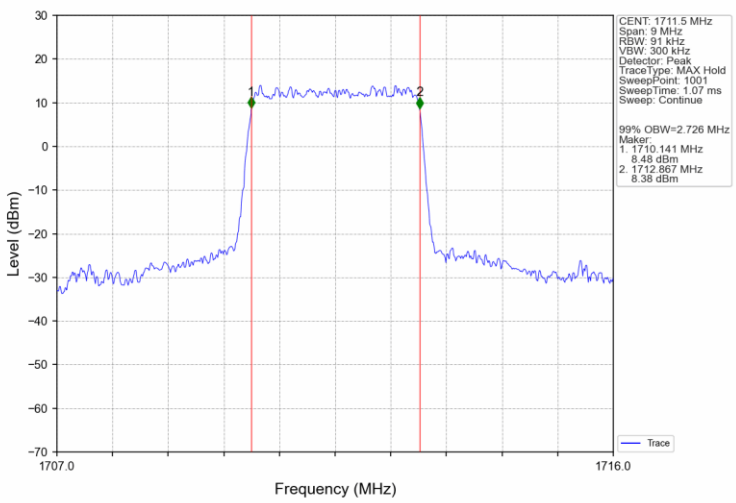
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



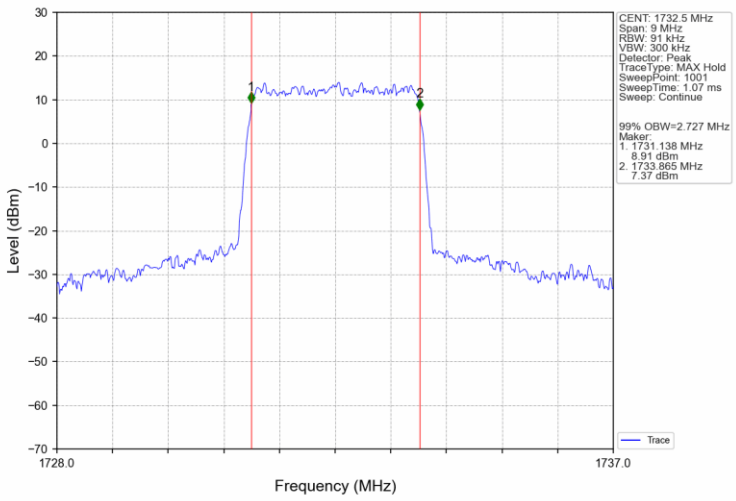
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

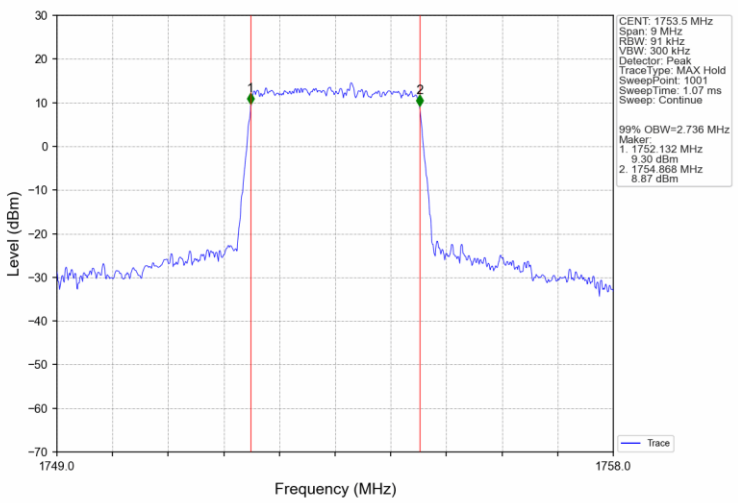
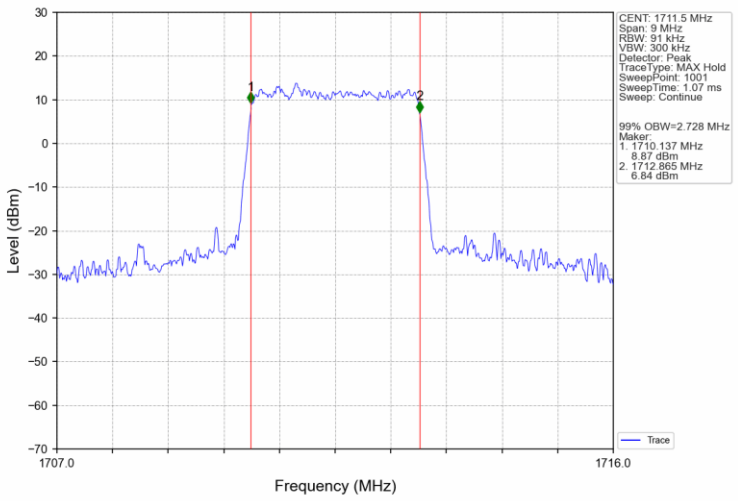


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

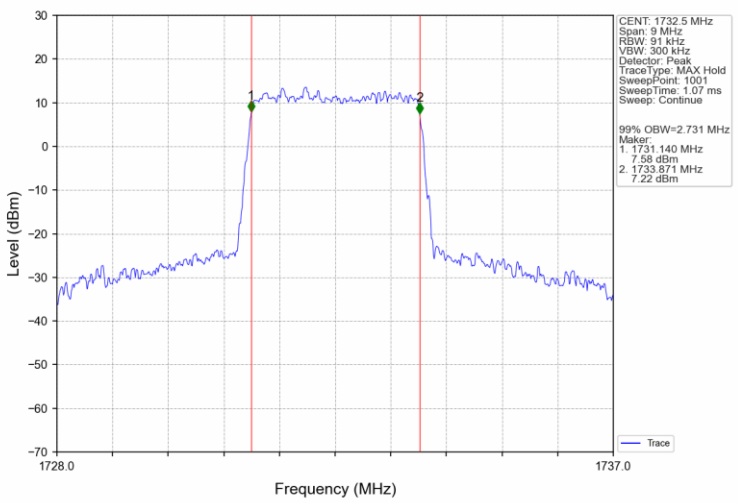


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

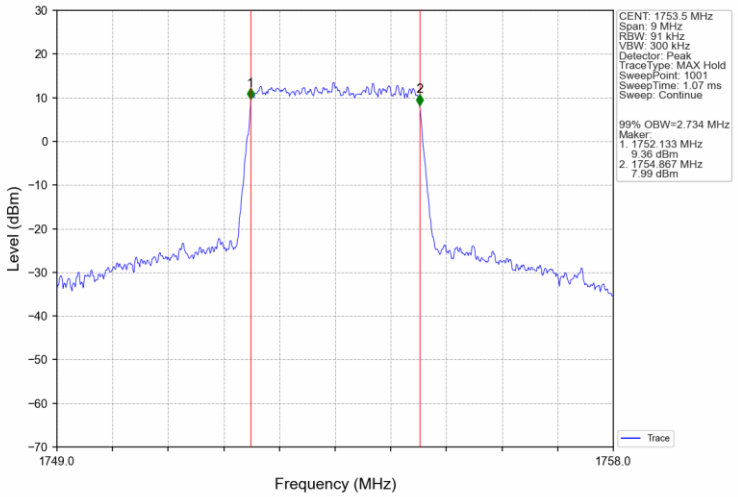


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV


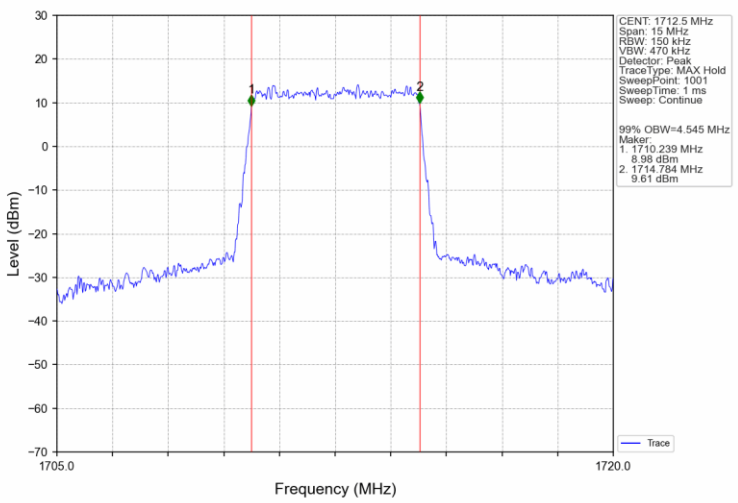
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



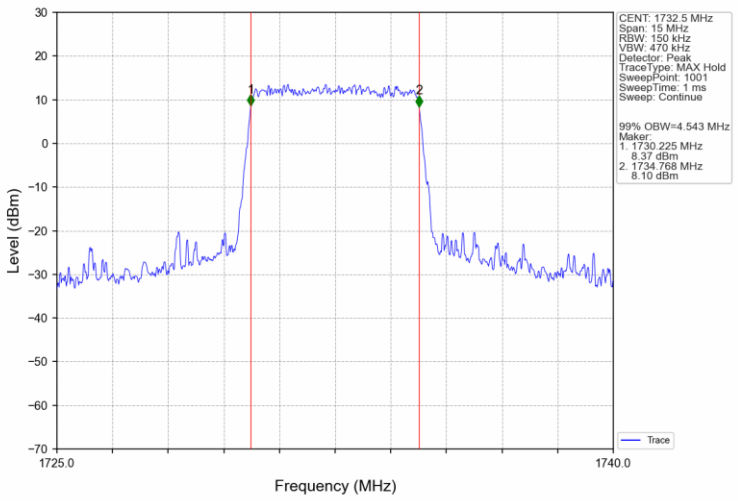
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

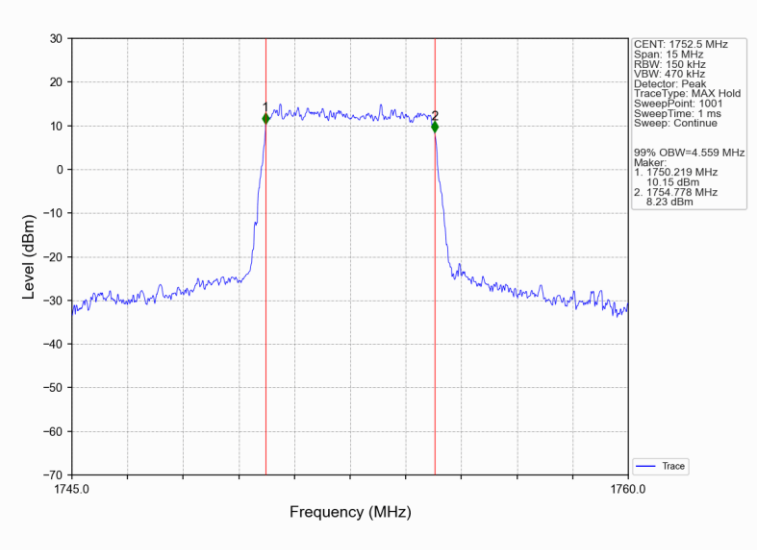
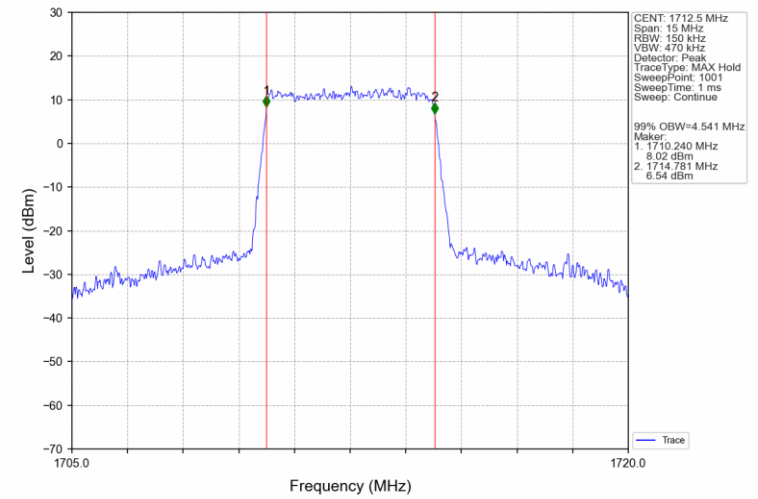


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

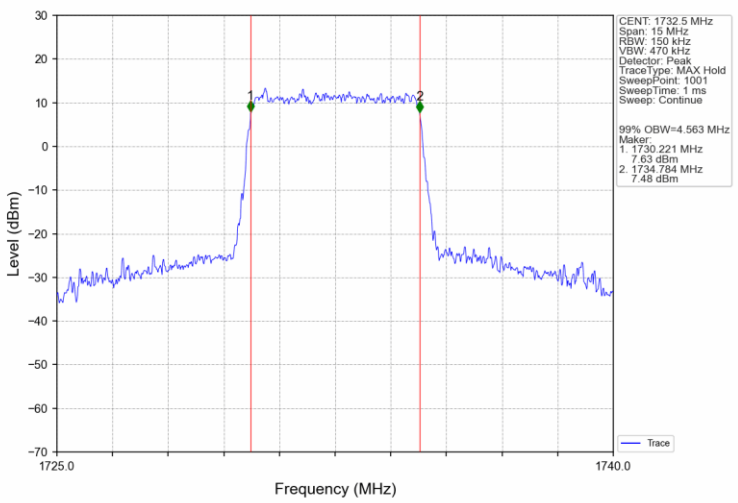


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

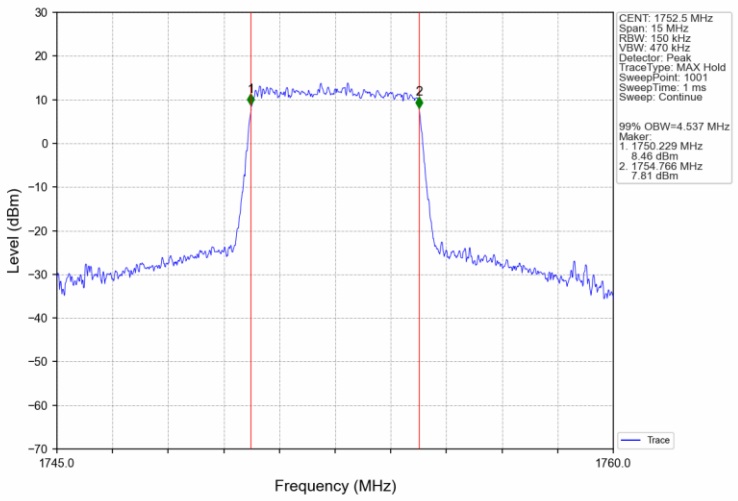


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV


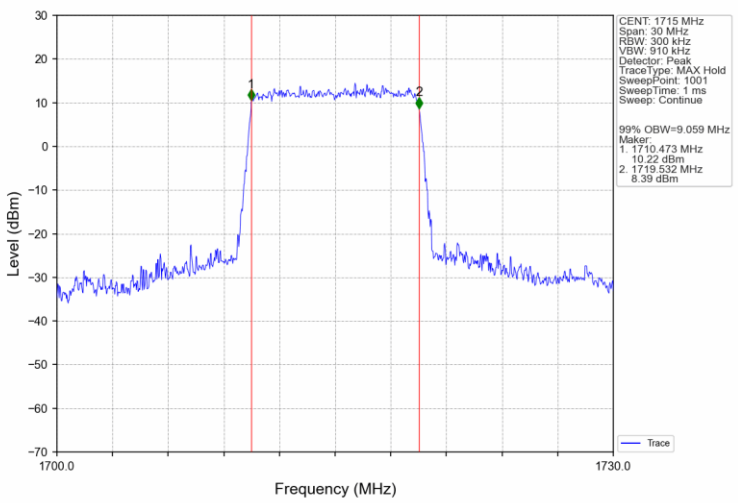
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



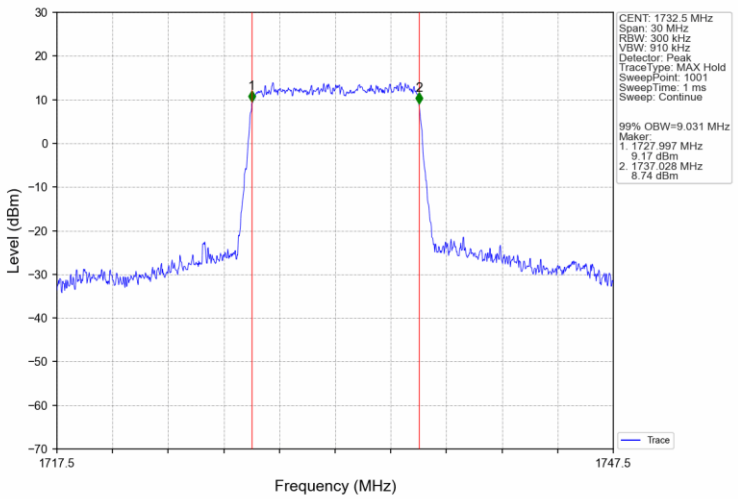
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



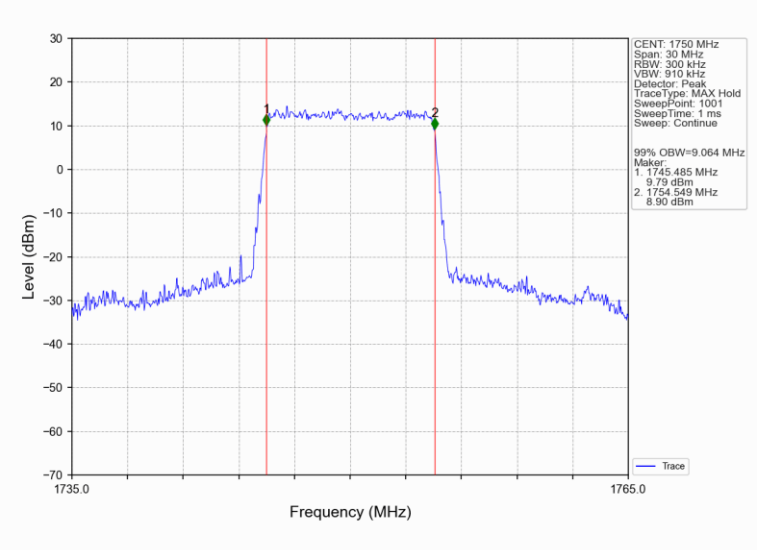
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



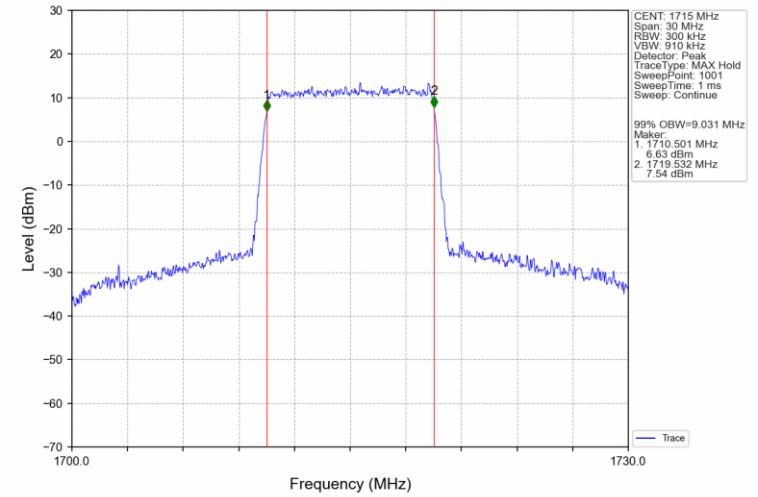
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



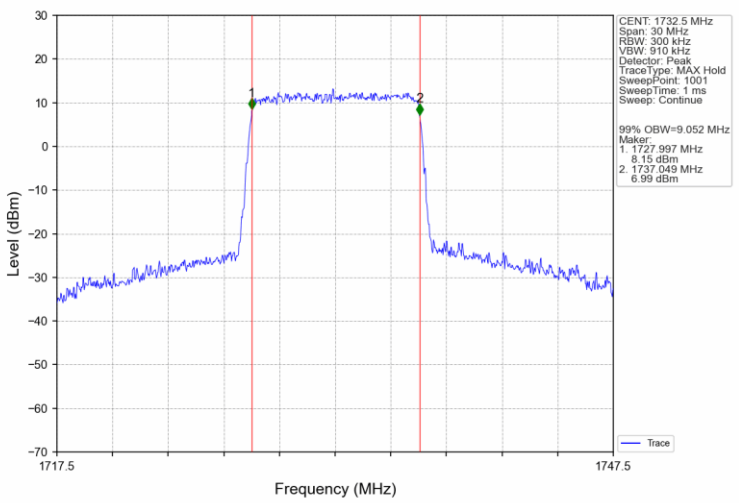
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



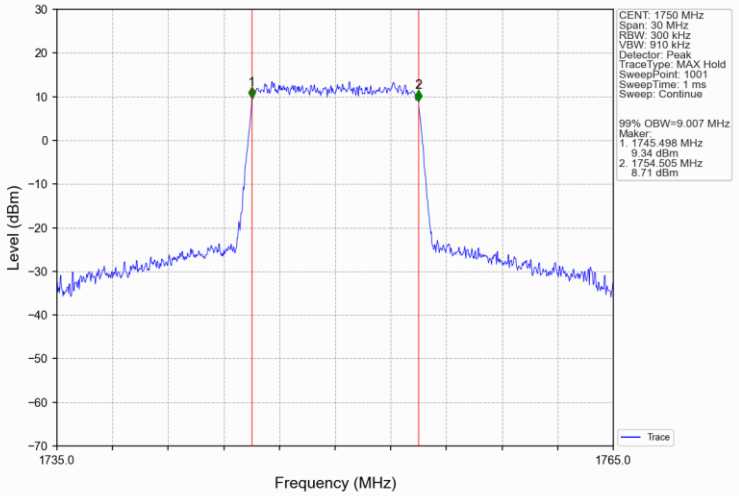
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



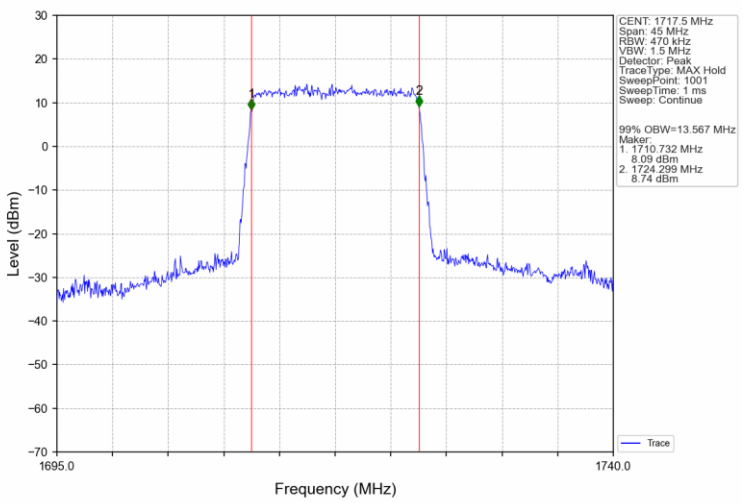
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



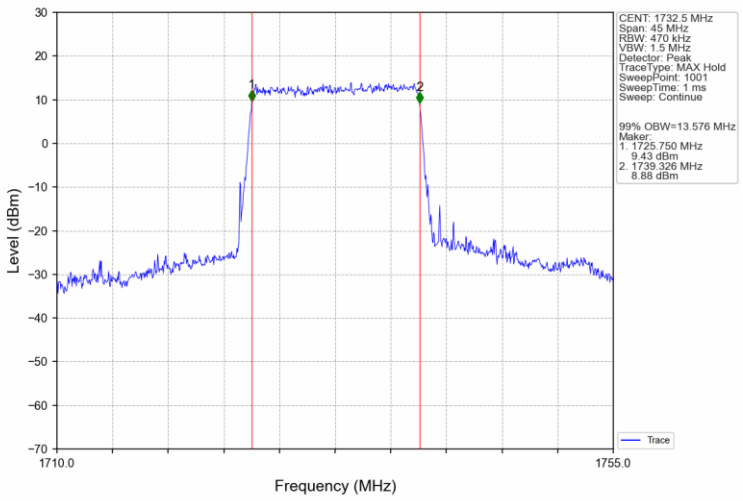
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



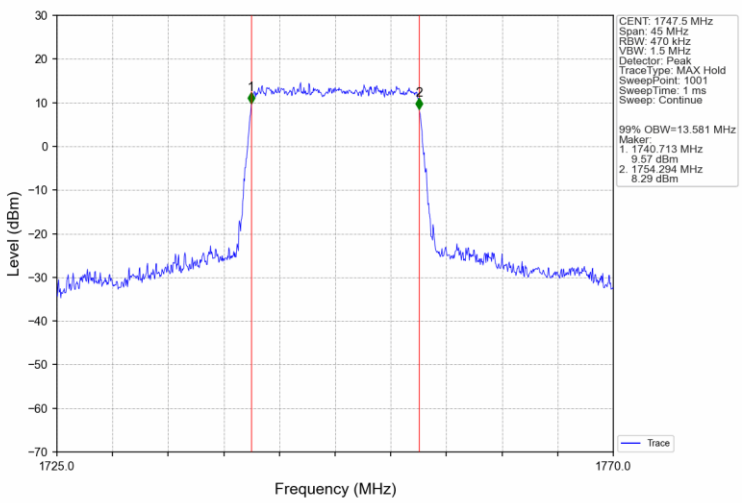
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



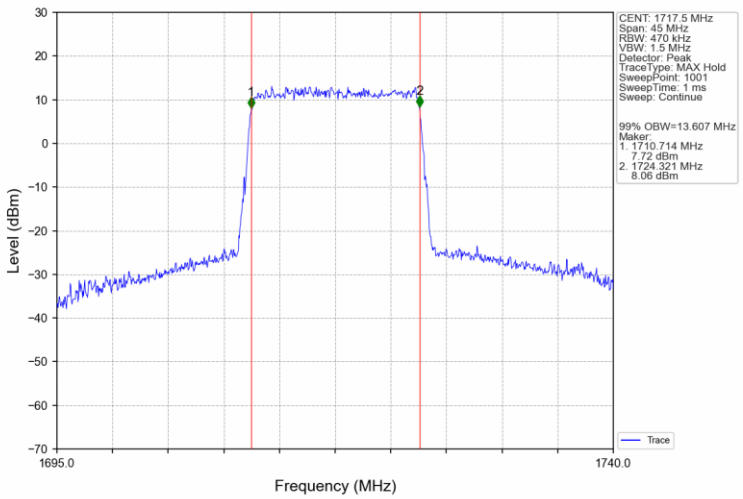
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



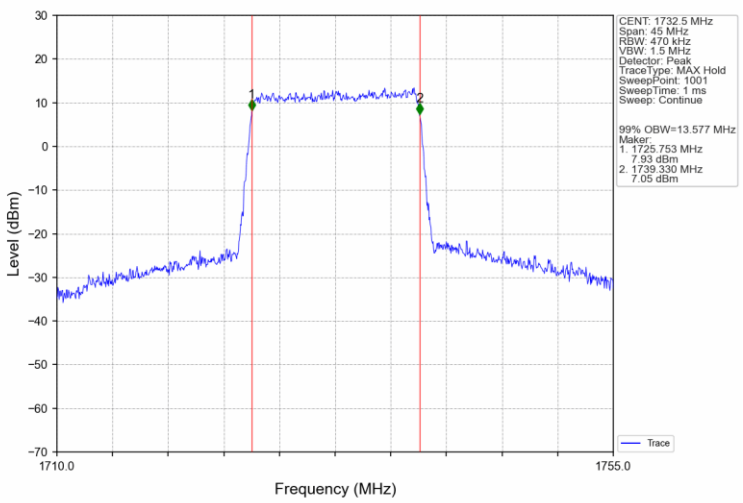
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



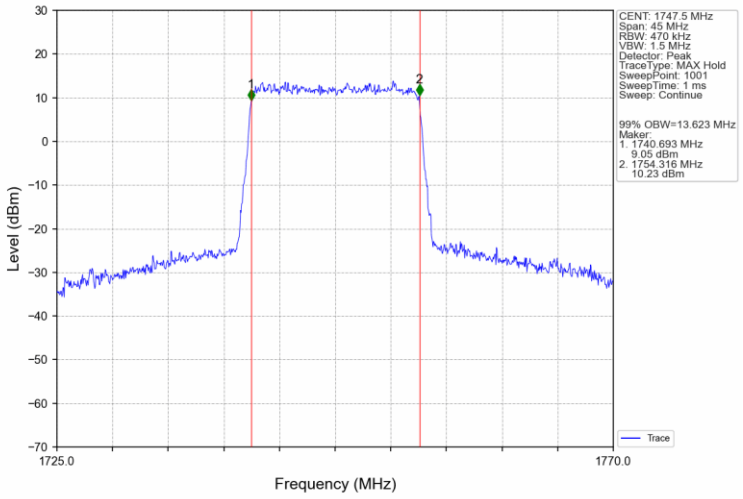
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

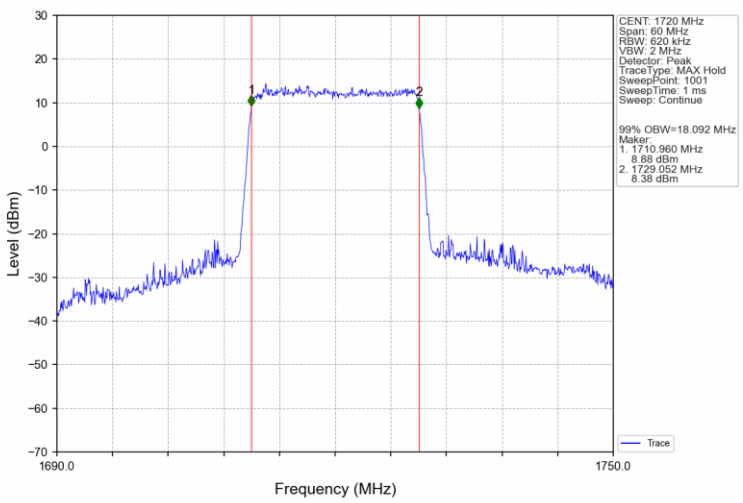
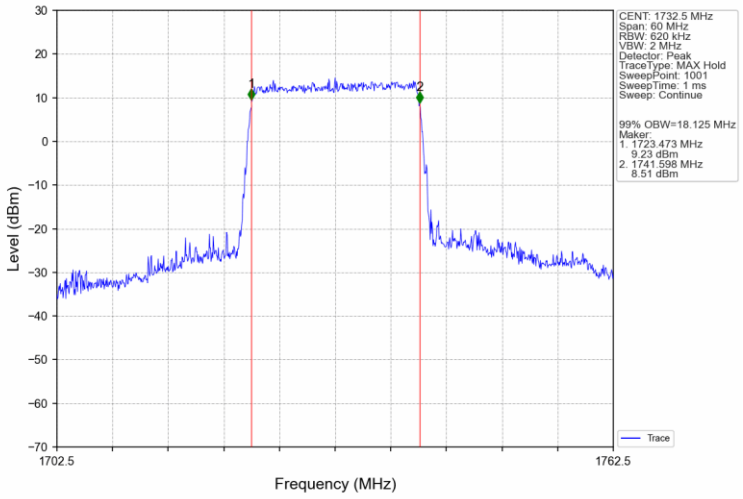


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

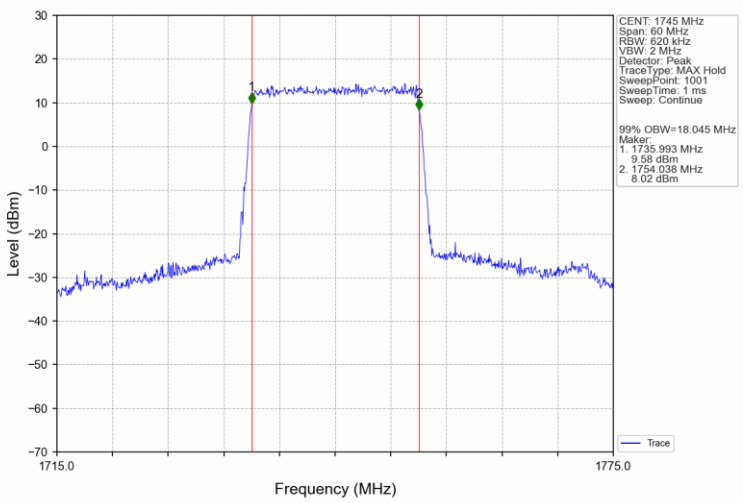


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

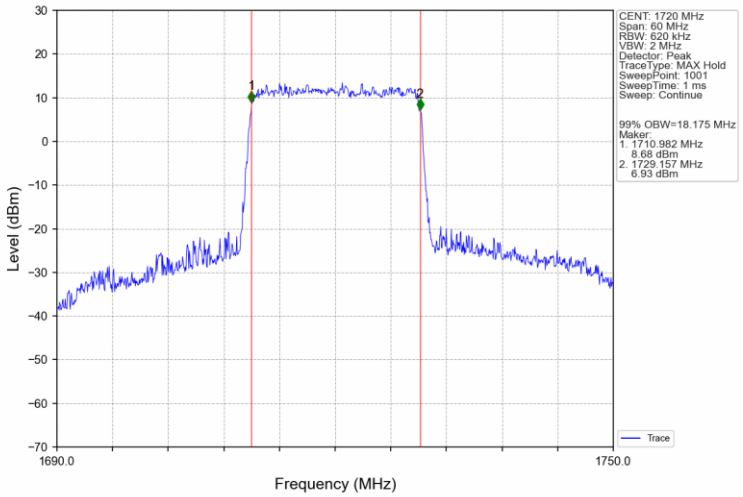


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV


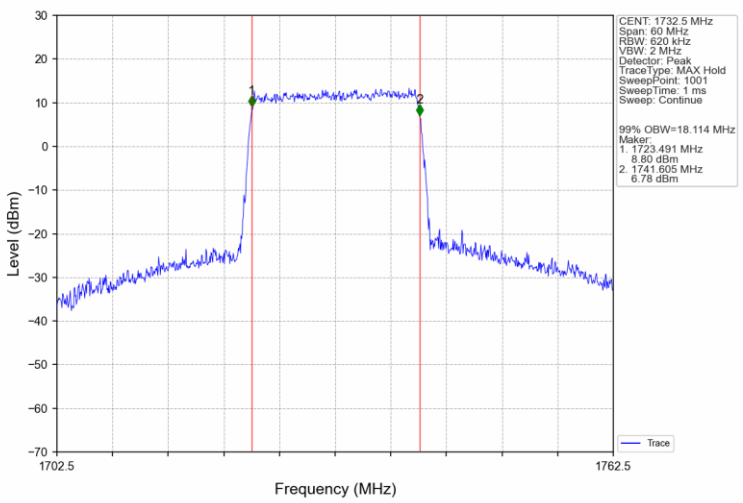
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



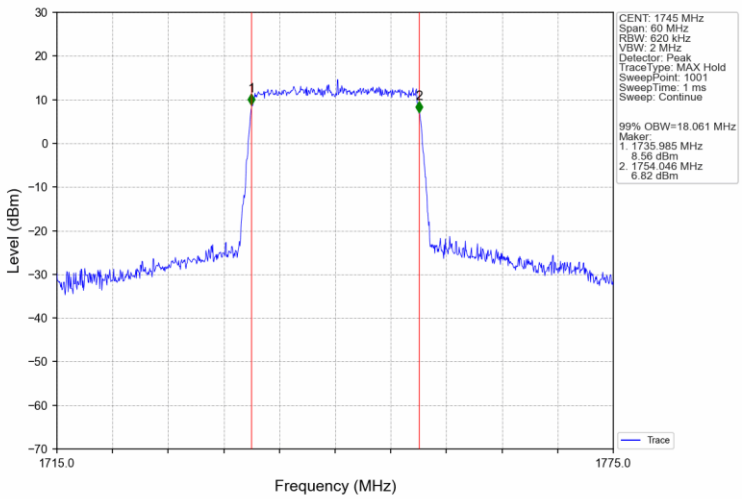
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV

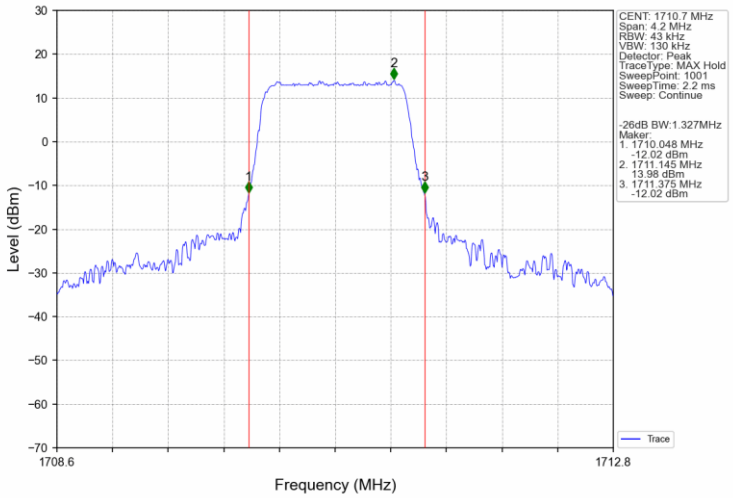


Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

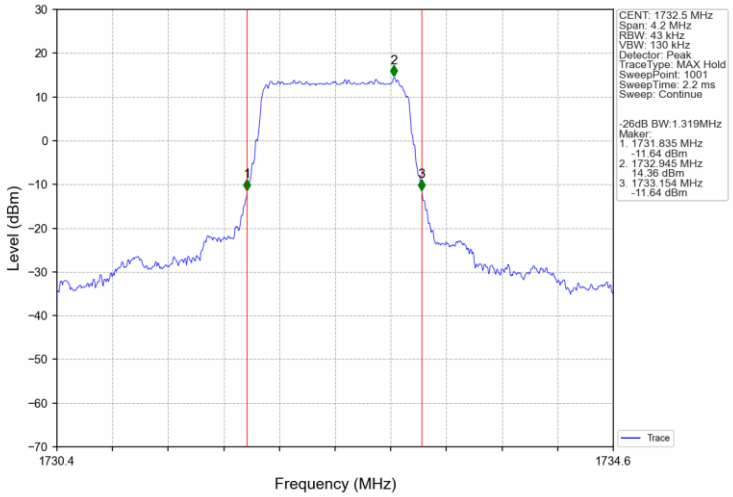


4.2.2 Band4_XDB

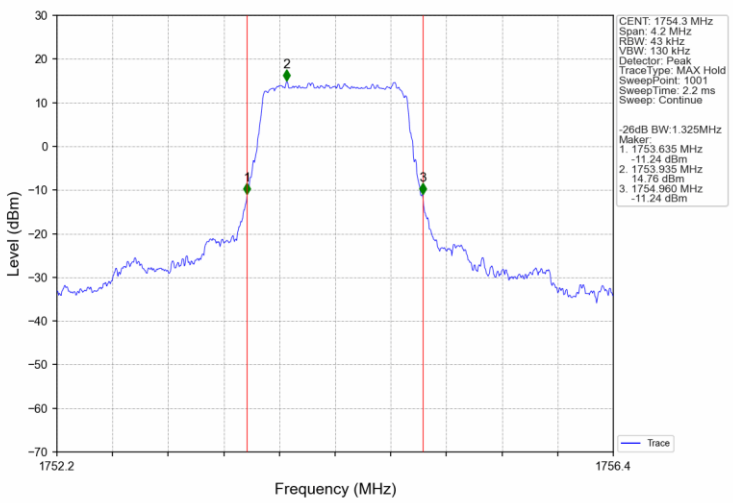
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



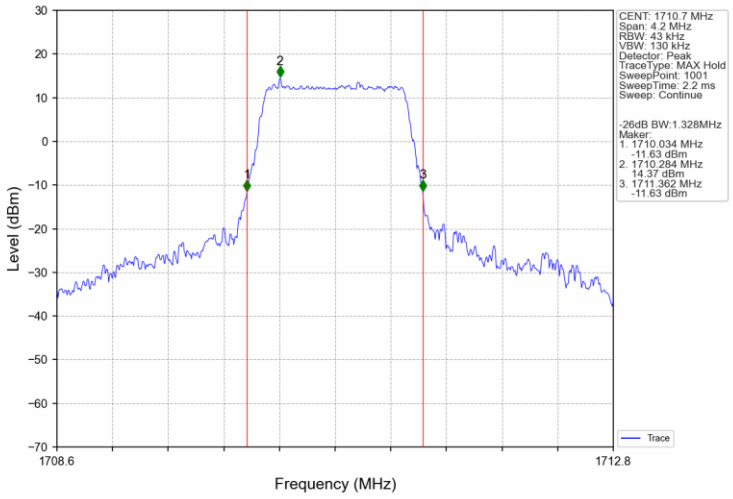
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



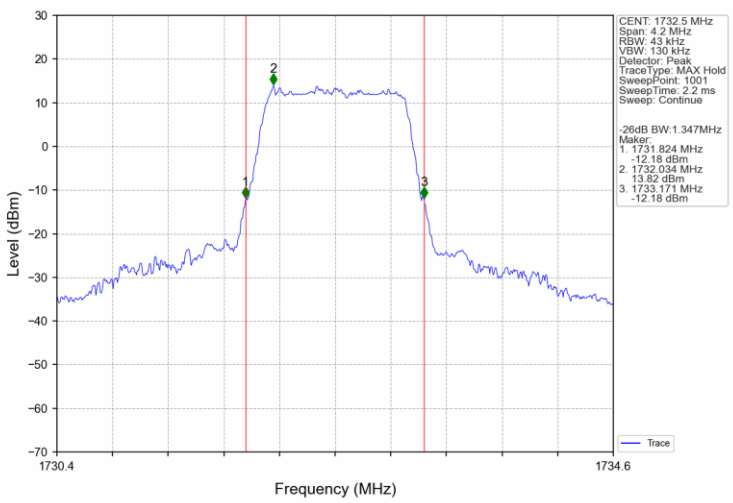
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



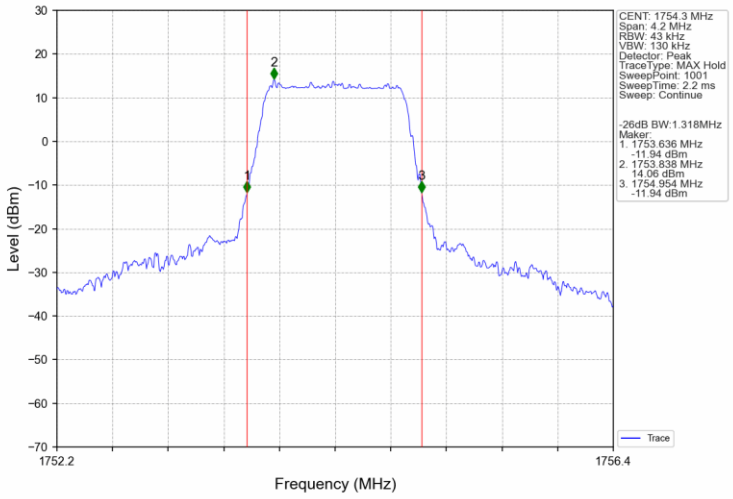
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



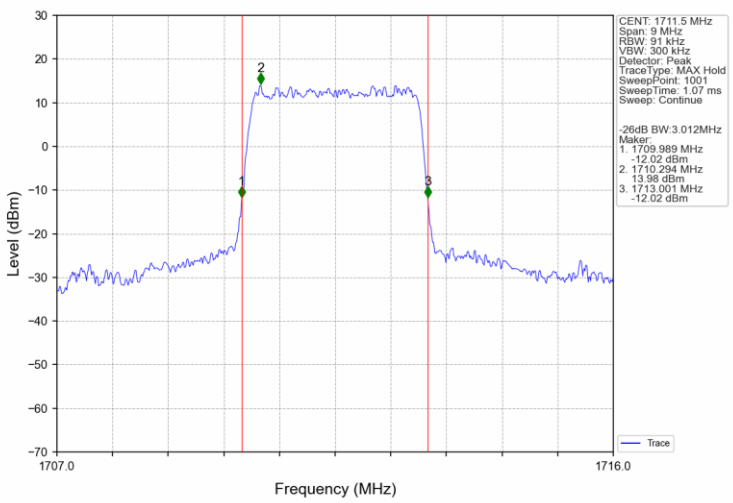
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



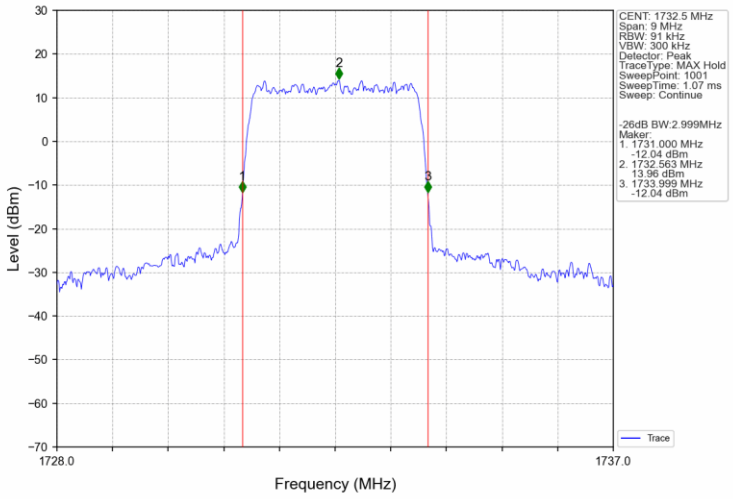
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



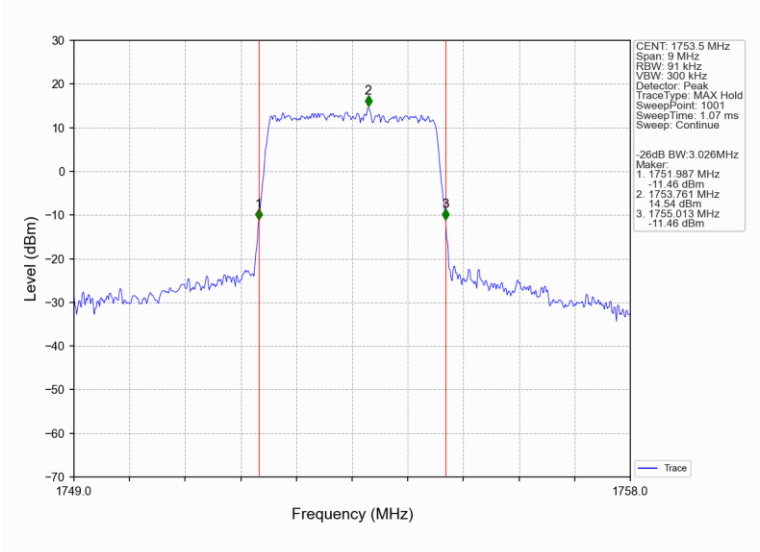
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



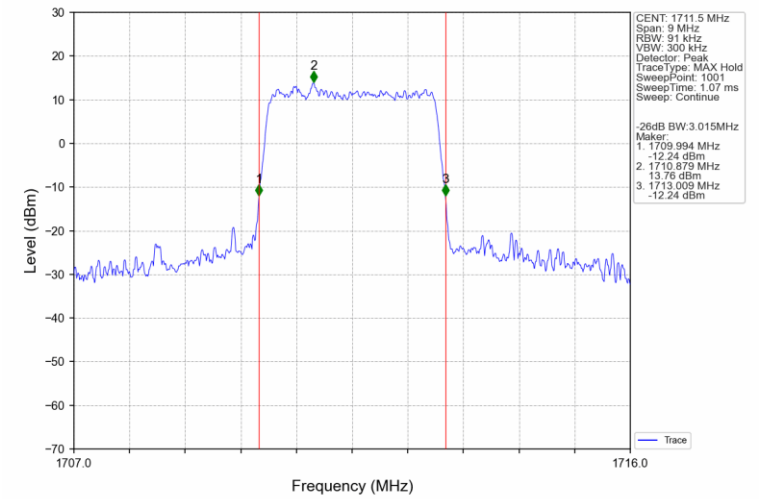
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



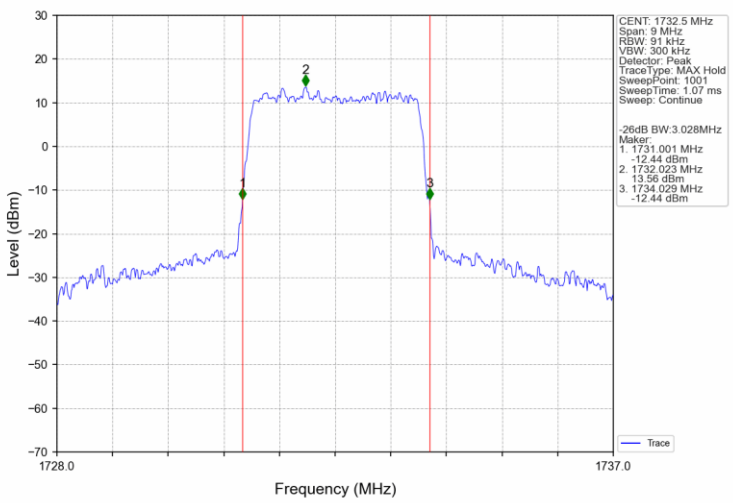
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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