

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Gain (dBi)	EIRP/ERP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.98	1.6	24.58	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.29	1.6	23.89	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.08	1.6	24.68	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.12	1.6	24.72	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.86	1.6	24.46	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.3	1.6	23.9	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.24	1.6	24.84	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.83	1.6	24.43	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.97	1.6	24.57	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.21	1.6	23.81	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.78	1.6	24.38	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.95	1.6	24.55	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.26	1.6	23.86	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.1	1.6	22.7	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.45	1.6	24.05	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.28	1.6	23.88	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.8	1.6	24.4	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.38	1.6	22.98	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.74	1.6	24.34	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.65	1.6	24.25	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.18	1.6	23.78	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.17	1.6	22.77	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.38	1.6	23.98	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.25	1.6	23.85	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.96	1.6	24.56	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.38	1.6	23.98	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.96	1.6	24.56	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.89	1.6	24.49	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.92	1.6	24.52	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.35	1.6	23.95	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.17	1.6	24.77	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.94	1.6	24.54	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.5	1.6	24.1	30	PASS

Band4	3MHz	QPSK	20385	15RB#0	22.27	1.6	23.87	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.77	1.6	24.37	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.85	1.6	24.45	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.24	1.6	23.84	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.35	1.6	22.95	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.18	1.6	23.78	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.2	1.6	23.8	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.22	1.6	23.82	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.33	1.6	22.93	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.57	1.6	24.17	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.12	1.6	23.72	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.02	1.6	23.62	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.98	1.6	22.58	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.05	1.6	23.65	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.38	1.6	23.98	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.9	1.6	24.5	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.33	1.6	23.93	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.25	1.6	24.85	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.86	1.6	24.46	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23	1.6	24.6	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.31	1.6	23.91	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.14	1.6	24.74	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.94	1.6	24.54	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.71	1.6	24.31	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.28	1.6	23.88	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.17	1.6	24.77	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23	1.6	24.6	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.3	1.6	23.9	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.39	1.6	22.99	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.36	1.6	23.96	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.23	1.6	23.83	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.23	1.6	23.83	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.36	1.6	22.96	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.29	1.6	23.89	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.17	1.6	23.77	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.23	1.6	23.83	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.35	1.6	22.95	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.33	1.6	23.93	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.4	1.6	24	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.82	1.6	24.42	30	PASS

Band4	10MHz	QPSK	20000	50RB#0	22.29	1.6	23.89	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.73	1.6	24.33	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.79	1.6	24.39	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.01	1.6	24.61	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.3	1.6	23.9	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.28	1.6	24.88	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.71	1.6	24.31	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.02	1.6	24.62	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.43	1.6	24.03	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.96	1.6	24.56	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.22	1.6	24.82	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.49	1.6	24.09	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.23	1.6	22.83	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.64	1.6	24.24	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.12	1.6	23.72	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.06	1.6	23.66	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.37	1.6	22.97	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.57	1.6	24.17	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.29	1.6	23.89	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.81	1.6	24.41	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.4	1.6	23	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.06	1.6	24.66	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.73	1.6	24.33	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23	1.6	24.6	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.25	1.6	23.85	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.61	1.6	24.21	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.99	1.6	24.59	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.84	1.6	24.44	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.35	1.6	23.95	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.75	1.6	24.35	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.86	1.6	24.46	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.12	1.6	24.72	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.34	1.6	23.94	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.33	1.6	24.93	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.95	1.6	24.55	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.57	1.6	24.17	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.19	1.6	22.79	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.21	1.6	23.81	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.23	1.6	23.83	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.37	1.6	23.97	30	PASS

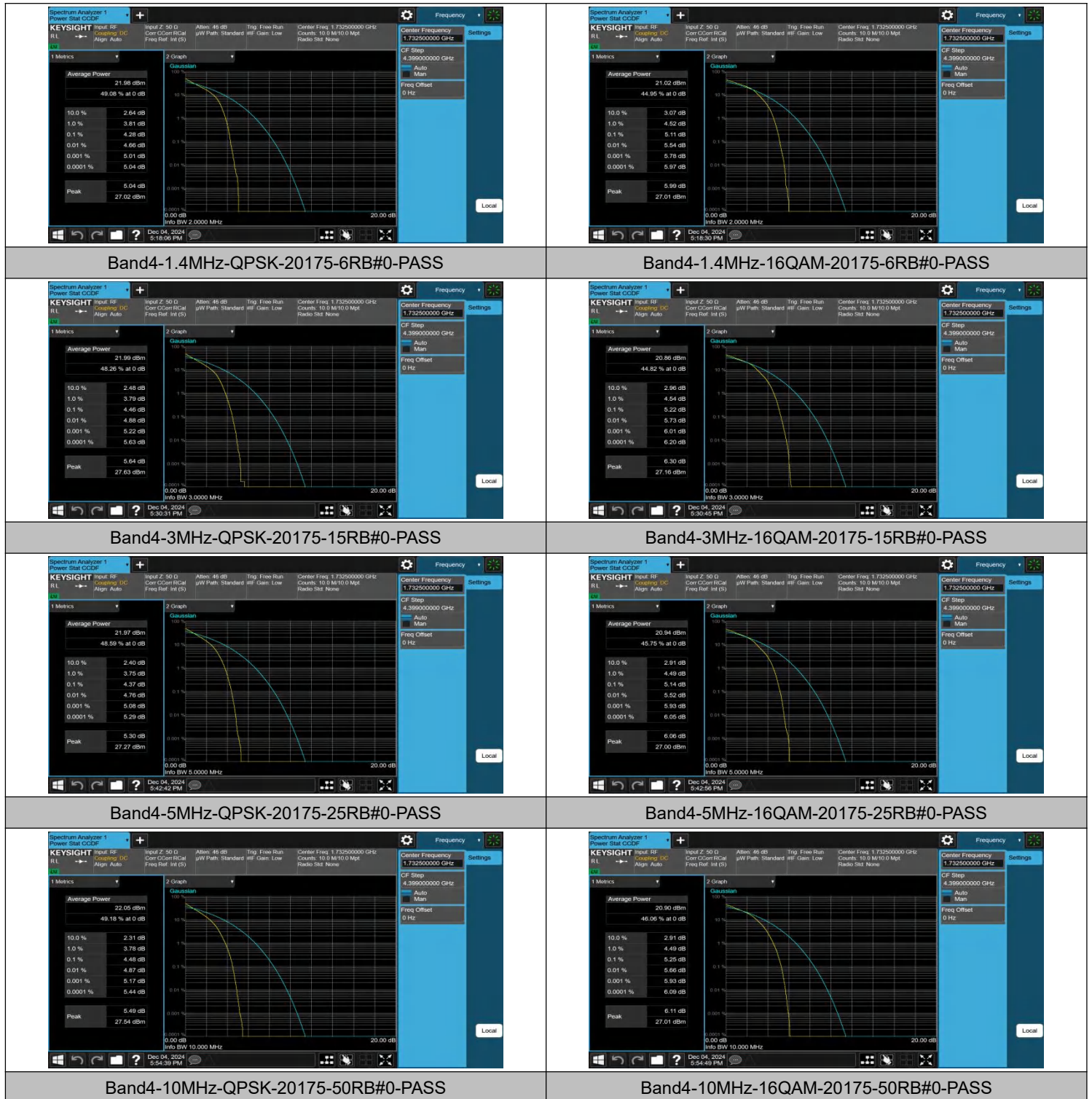
Band4	15MHz	16QAM	20175	75RB#0	21.43	1.6	23.03	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.06	1.6	23.66	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.5	1.6	24.1	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.1	1.6	24.7	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.43	1.6	23.03	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.11	1.6	24.71	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.8	1.6	24.4	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.94	1.6	24.54	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.27	1.6	23.87	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.1	1.6	24.7	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.27	1.6	24.87	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.83	1.6	24.43	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.32	1.6	23.92	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.37	1.6	24.97	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.01	1.6	24.61	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.12	1.6	24.72	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.42	1.6	24.02	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.36	1.6	24.96	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.98	1.6	24.58	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.26	1.6	23.86	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.39	1.6	22.99	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.6	1.6	24.2	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.26	1.6	23.86	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.96	1.6	24.56	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.37	1.6	22.97	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.23	1.6	24.83	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.13	1.6	24.73	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.47	1.6	24.07	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.4	1.6	23	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.03	1.6	24.63	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.27	1.6	23.87	30	PASS

Peak-to-Average Ratio(CCDF)

Test Result

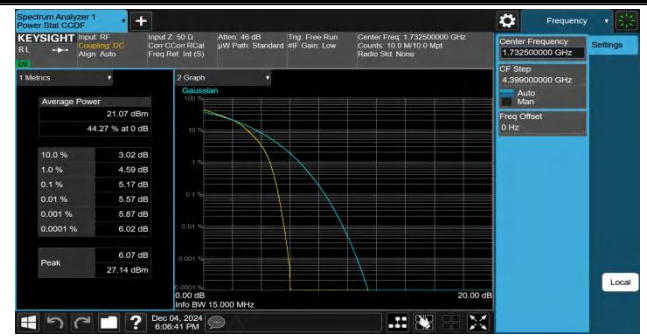
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	4.28	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.11	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.46	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.22	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.37	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.14	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.48	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.25	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	4.49	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.17	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.46	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.21	13	PASS

Test Graphs

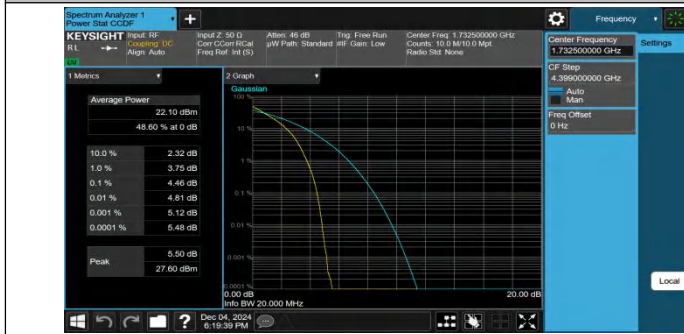




Band4-15MHz-QPSK-20175-75RB#0-PASS



Band4-15MHz-16QAM-20175-75RB#0-PASS



Band4-20MHz-QPSK-20175-100RB#0-PASS



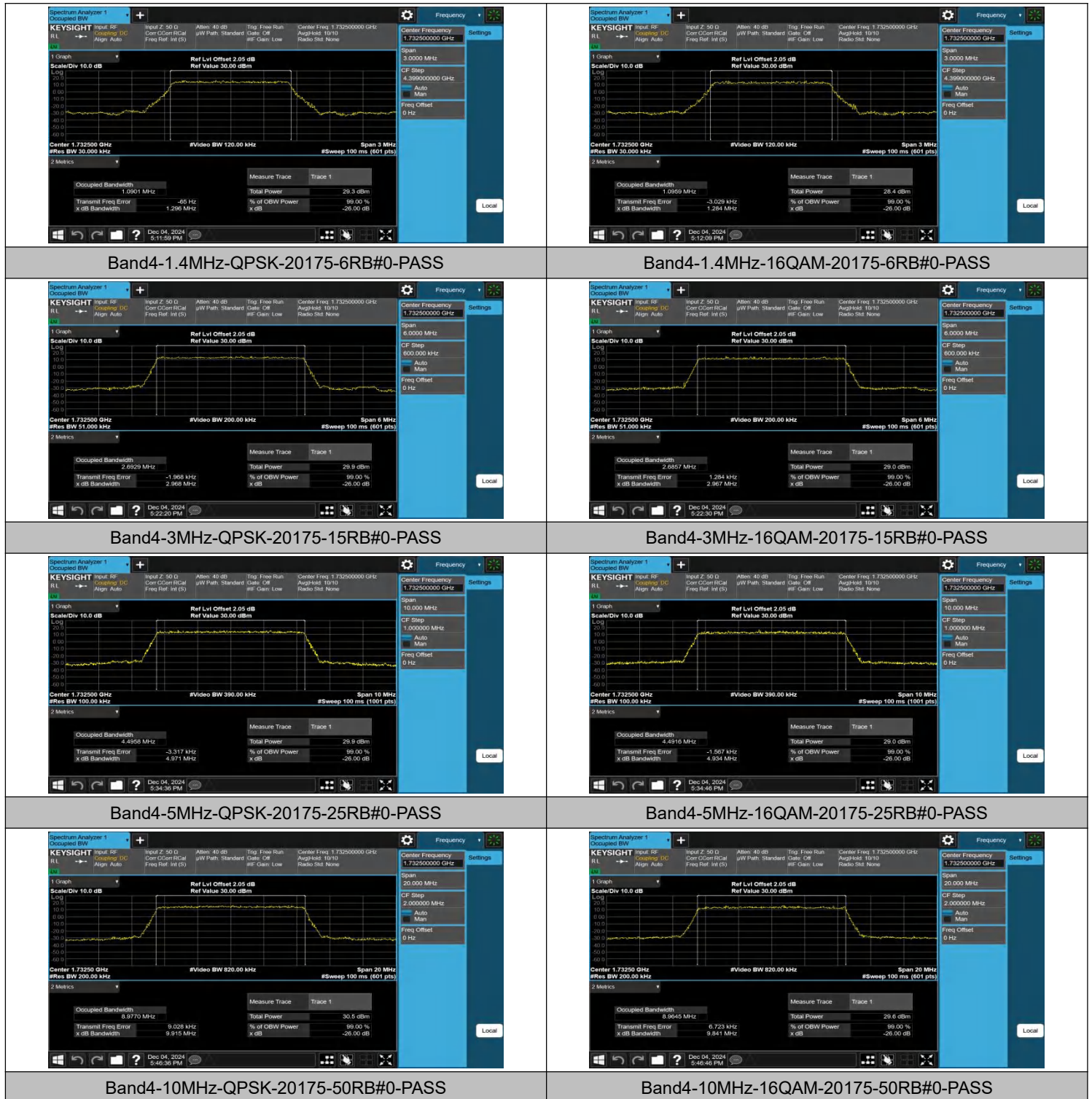
Band4-20MHz-16QAM-20175-100RB#0-PASS

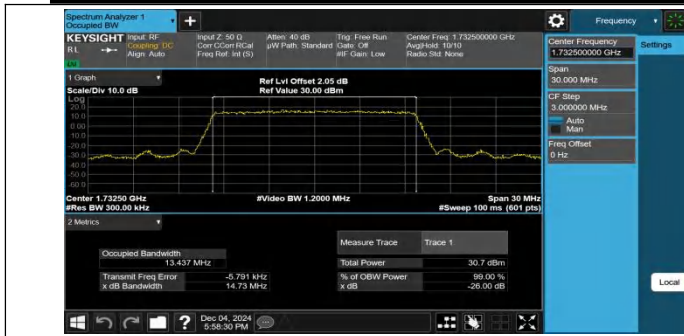
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	1.0901	1.296	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0959	1.284	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6929	2.968	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6857	2.967	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4958	4.971	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4916	4.934	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9770	9.915	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9645	9.841	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.437	14.73	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.416	14.68	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.925	19.52	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.900	19.63	PASS

Test Graphs





Band4-15MHz-QPSK-20175-75RB#0-PASS



Band4-15MHz-16QAM-20175-75RB#0-PASS



Band4-20MHz-QPSK-20175-100RB#0-PASS



Band4-20MHz-16QAM-20175-100RB#0-PASS

Band Edge

Test Graphs



Band4-1.4MHz-QPSK-19957-1RB#0-PASS



Band4-1.4MHz-QPSK-19957-6RB#0-PASS



Band4-1.4MHz-QPSK-19957-1RB#5-PASS



Band4-1.4MHz-QPSK-20393-1RB#0-PASS



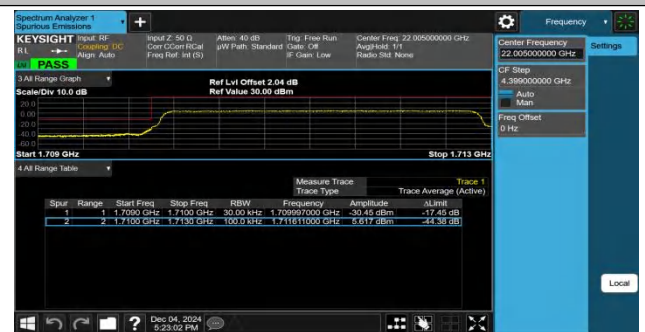
Band4-1.4MHz-QPSK-20393-6RB#0-PASS



Band4-1.4MHz-QPSK-20393-1RB#5-PASS



Band4-3MHz-QPSK-19965-1RB#0-PASS



Band4-3MHz-QPSK-19965-15RB#0-PASS



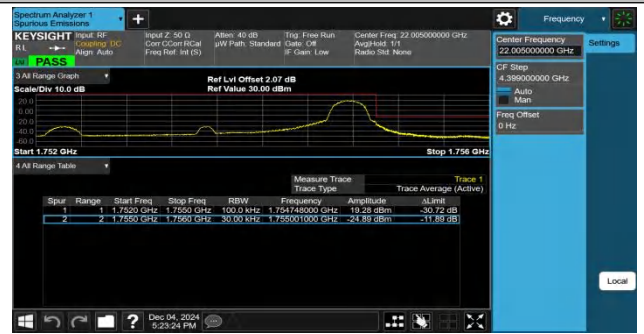
Band4-3MHz-QPSK-19965-1RB#14-PASS



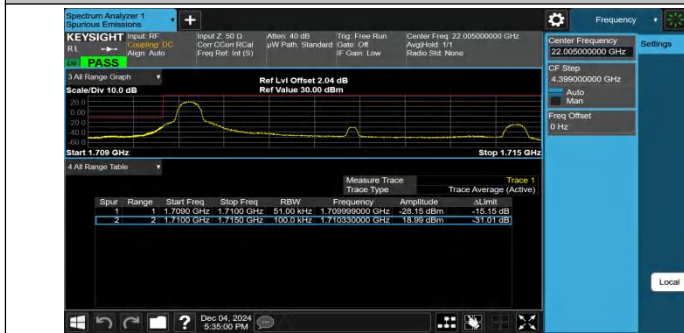
Band4-3MHz-QPSK-20385-1RB#0-PASS



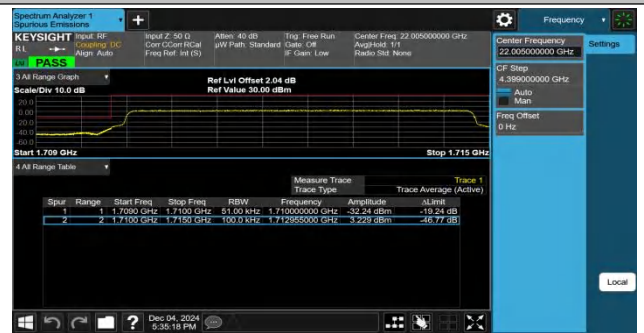
Band4-3MHz-QPSK-20385-15RB#0-PASS



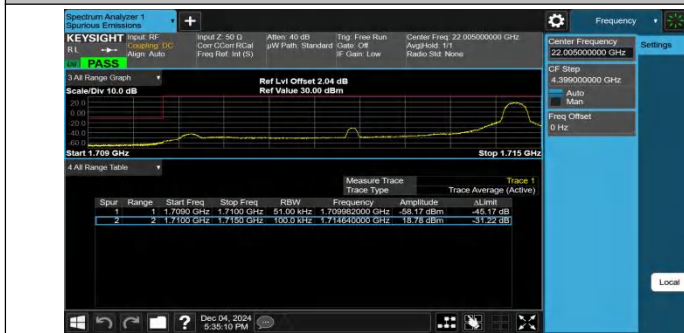
Band4-3MHz-QPSK-20385-1RB#14-PASS



Band4-5MHz-QPSK-19975-1RB#0-PASS



Band4-5MHz-QPSK-20375-1RB#0-PASS



Band4-5MHz-QPSK-19975-1RB#24-PASS



Band4-5MHz-QPSK-20375-1RB#0-PASS



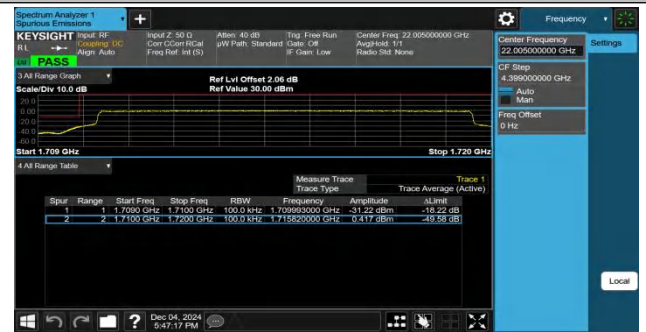
Band4-5MHz-QPSK-20375-25RB#0-PASS



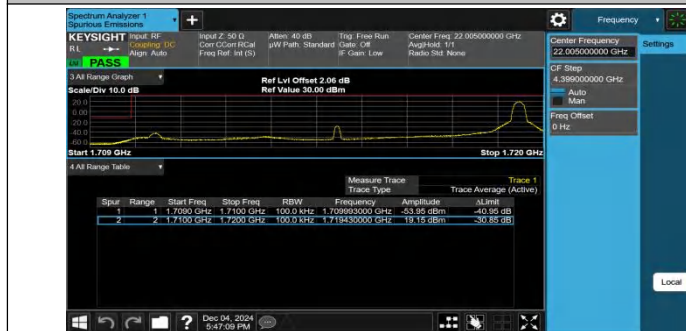
Band4-5MHz-QPSK-20375-1RB#24-PASS



Band4-10MHz-QPSK-20000-1RB#0-PASS



Band4-10MHz-QPSK-20000-50RB#0-PASS



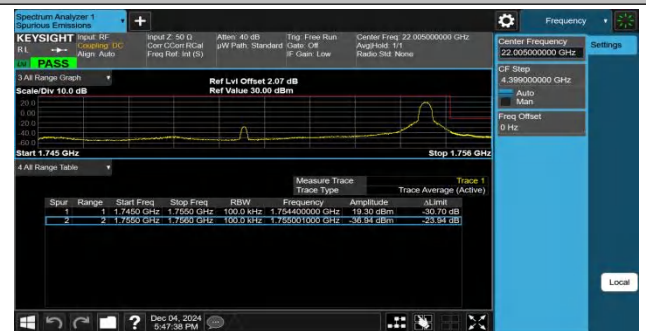
Band4-10MHz-QPSK-20000-1RB#49-PASS



Band4-10MHz-QPSK-20350-1RB#0-PASS



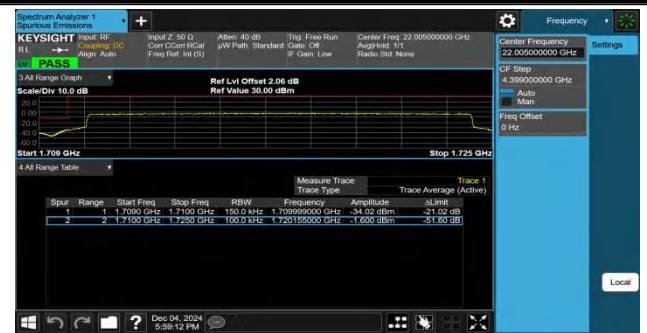
Band4-10MHz-QPSK-20350-50RB#0-PASS



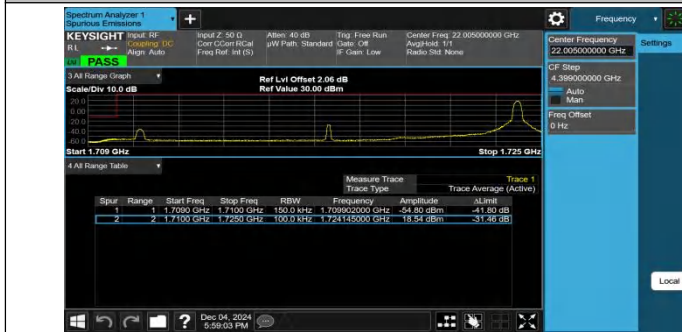
Band4-10MHz-QPSK-20350-1RB#49-PASS



Band4-15MHz-QPSK-20025-1RB#0-PASS



Band4-15MHz-QPSK-20025-75RB#0-PASS



Band4-15MHz-QPSK-20025-1RB#74-PASS



Band4-15MHz-QPSK-20325-1RB#0-PASS



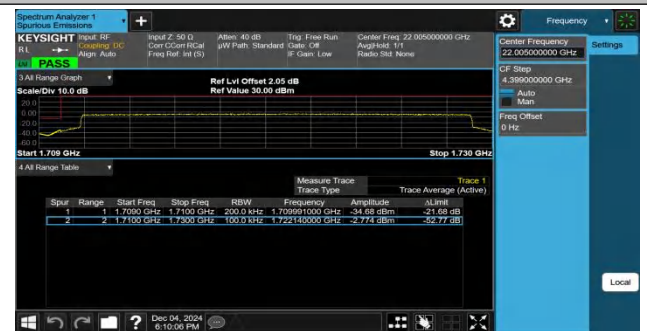
Band4-15MHz-QPSK-20325-75RB#0-PASS



Band4-15MHz-QPSK-20325-1RB#74-PASS



Band4-20MHz-QPSK-20050-1RB#0-PASS



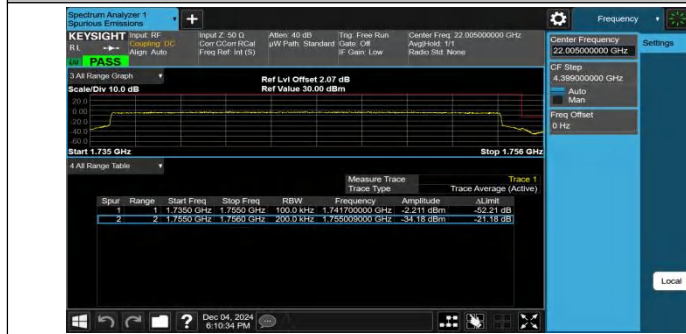
Band4-20MHz-QPSK-20050-100RB#0-PASS



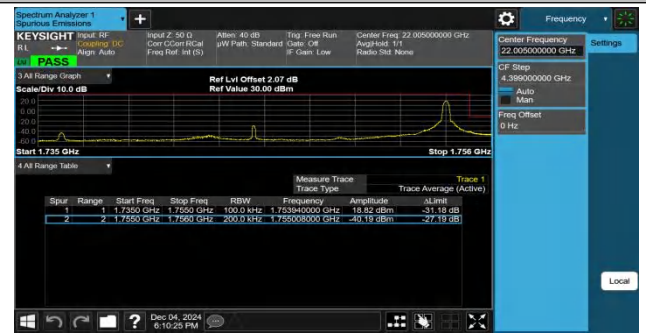
Band4-20MHz-QPSK-20050-1RB#99-PASS



Band4-20MHz-QPSK-20300-1RB#0-PASS



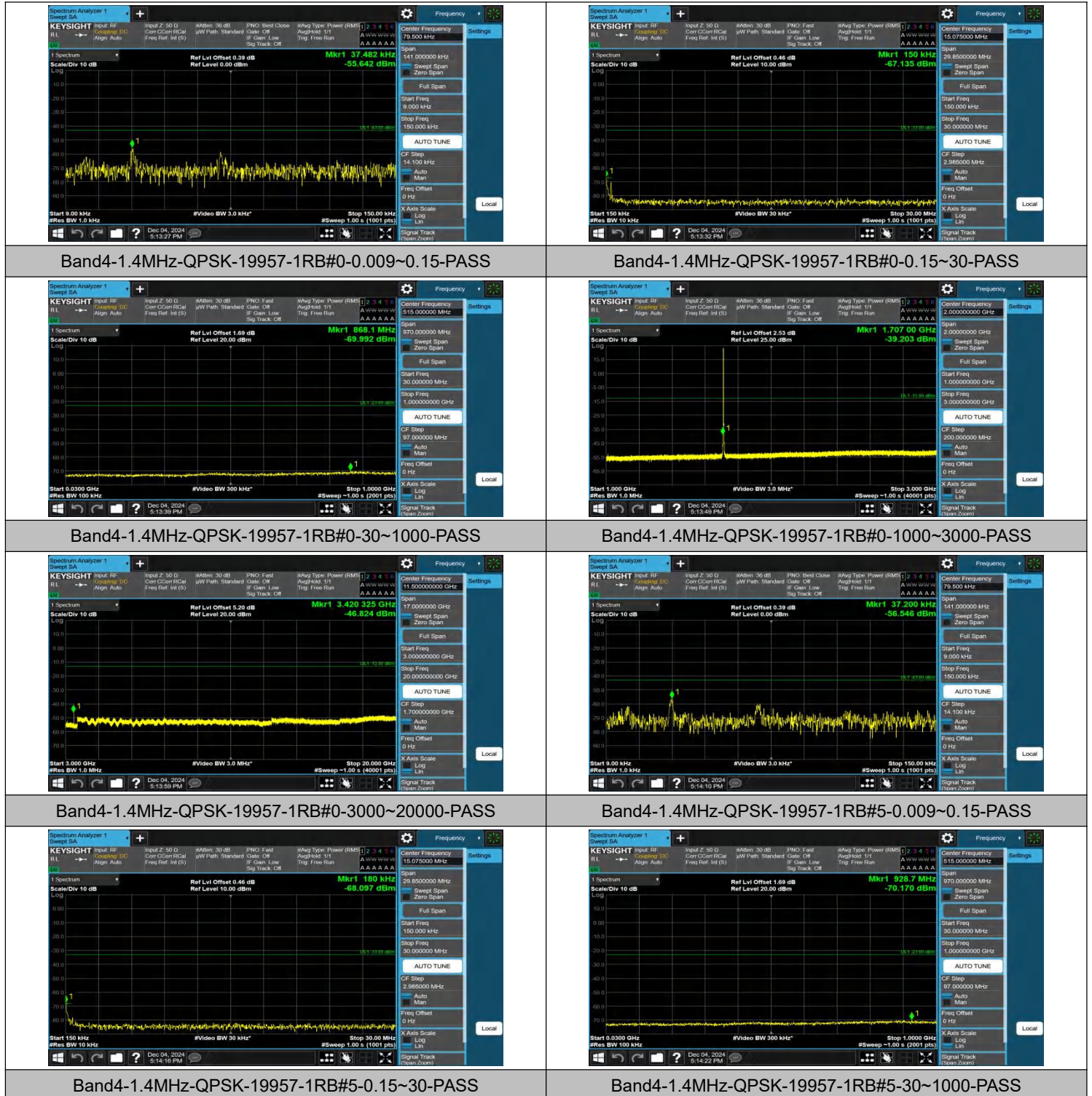
Band4-20MHz-QPSK-20300-100RB#0-PASS

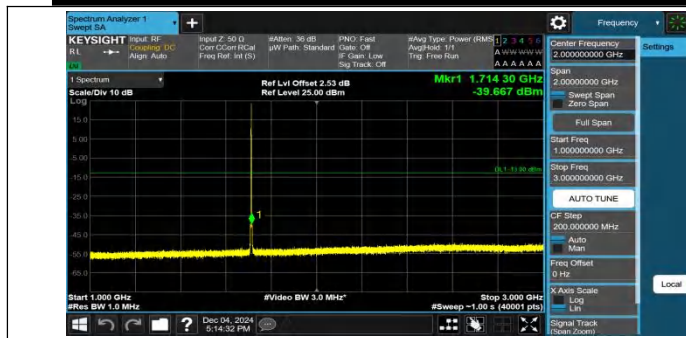


Band4-20MHz-QPSK-20300-1RB#99-PASS

Conducted Spurious Emission

Test Graphs





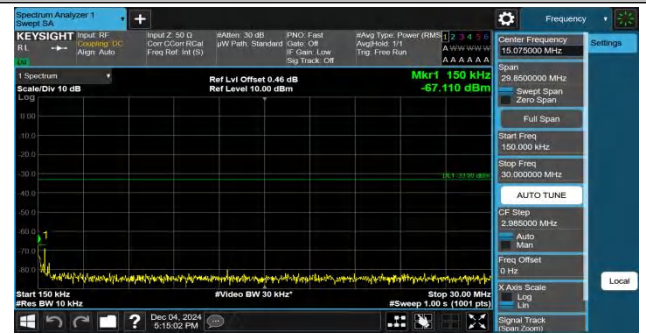
Band4-1.4MHz-QPSK-19957-1RB#5-1000~3000-PASS



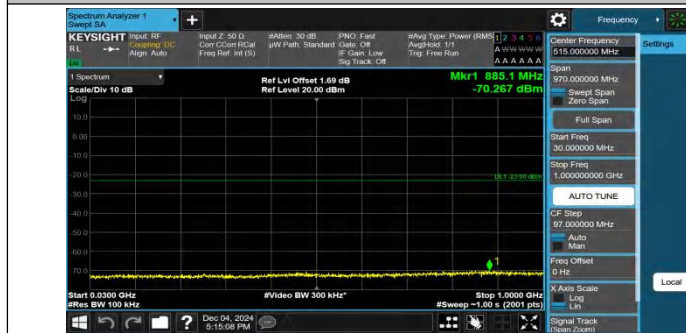
Band4-1.4MHz-QPSK-19957-1RB#5-3000~20000-PASS



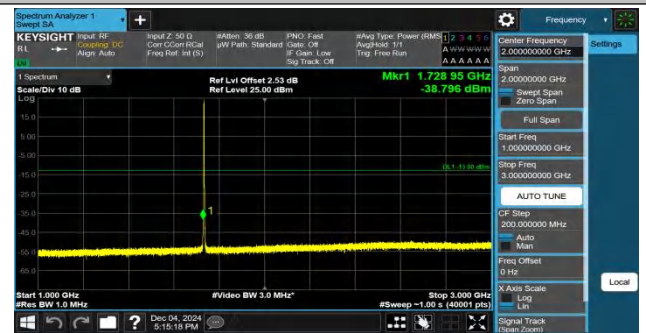
Band4-1.4MHz-QPSK-20175-1RB#0-0.009~0.15-PASS



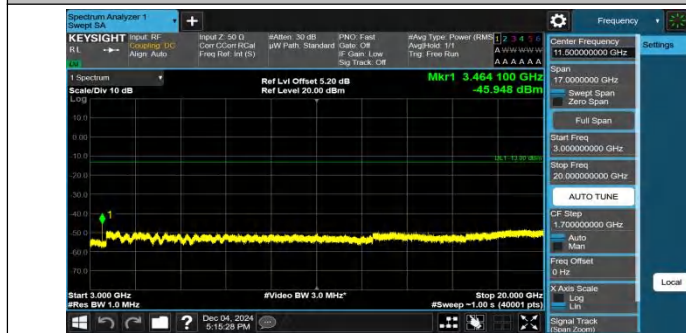
Band4-1.4MHz-QPSK-20175-1RB#0-0.15~30-PASS



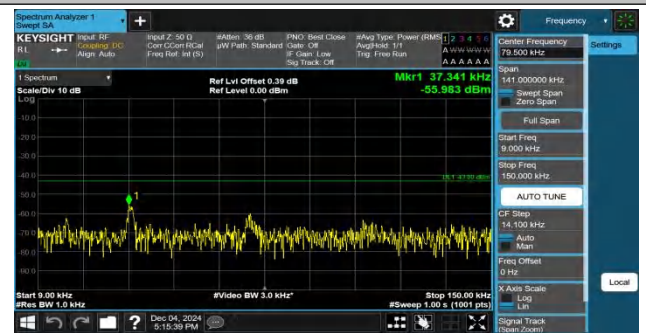
Band4-1.4MHz-QPSK-20175-1RB#0-30~1000-PASS



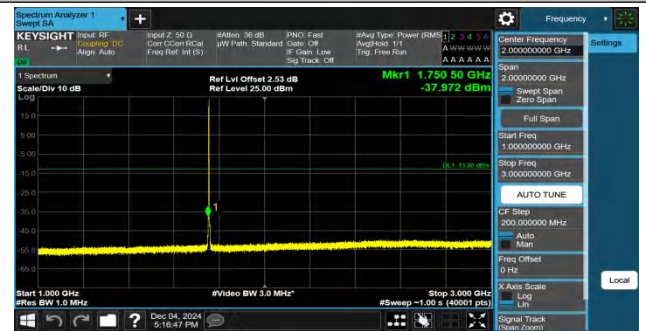
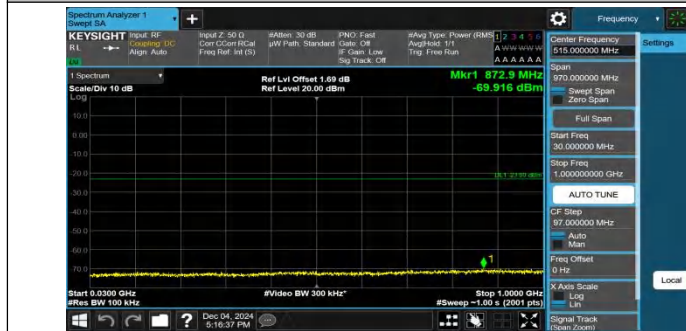
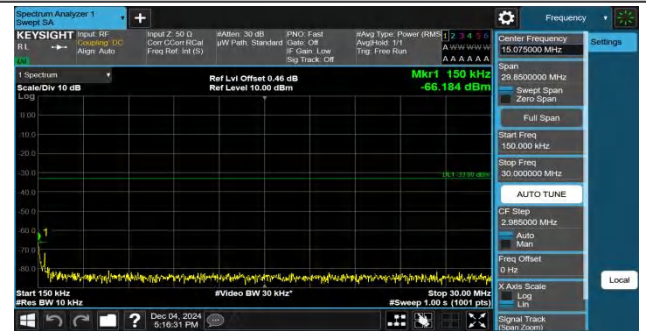
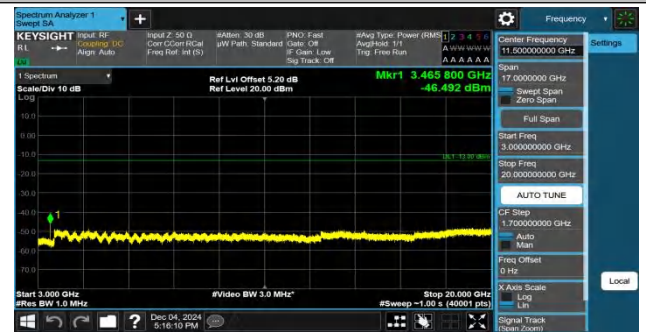
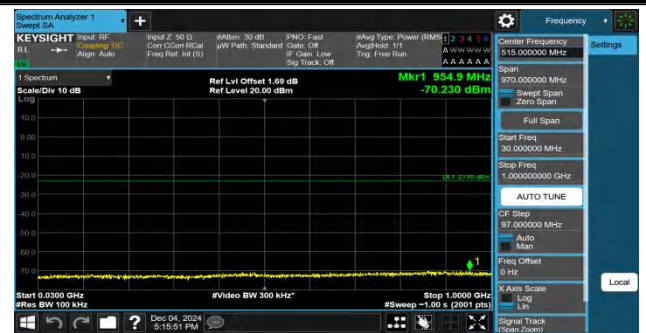
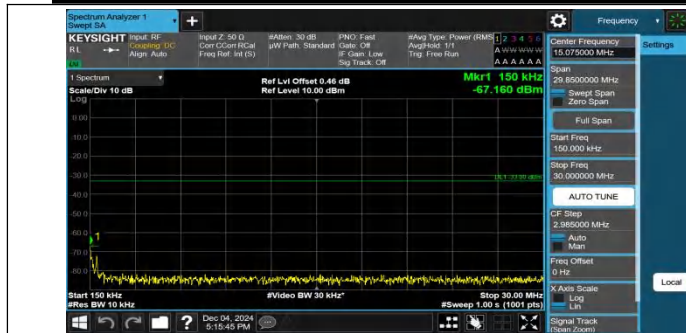
Band4-1.4MHz-QPSK-20175-1RB#0-1000~3000-PASS

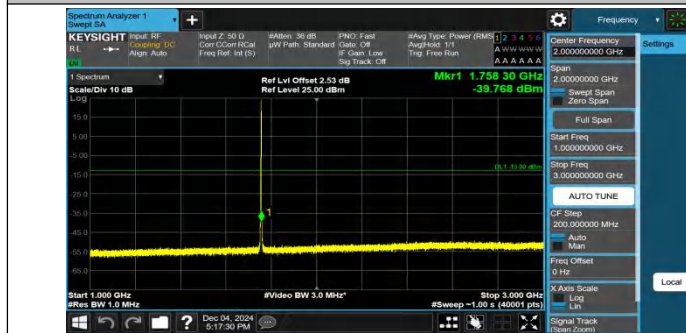
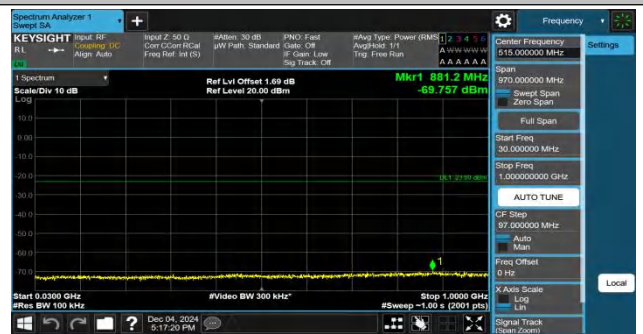
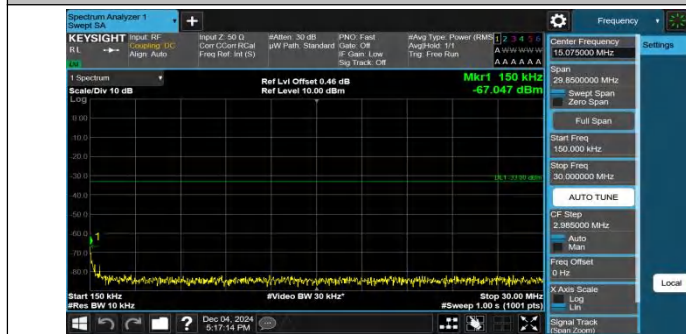
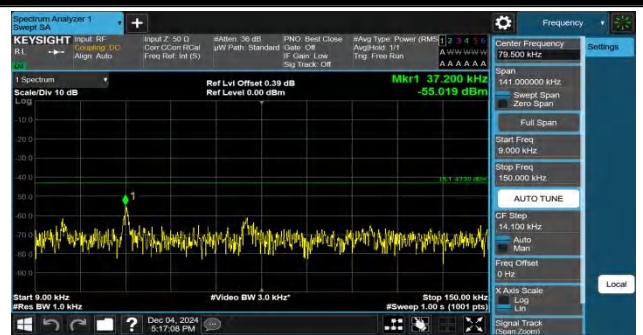
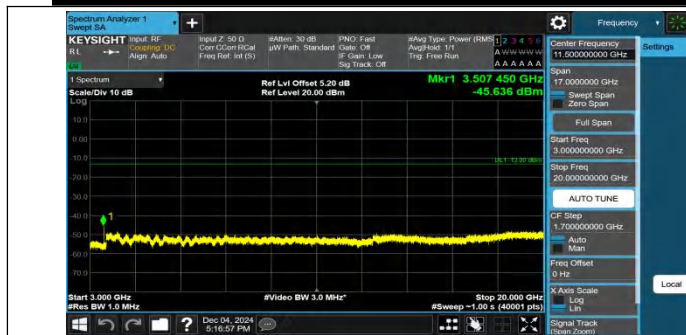


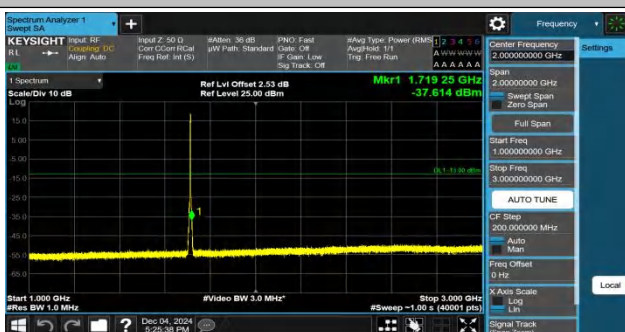
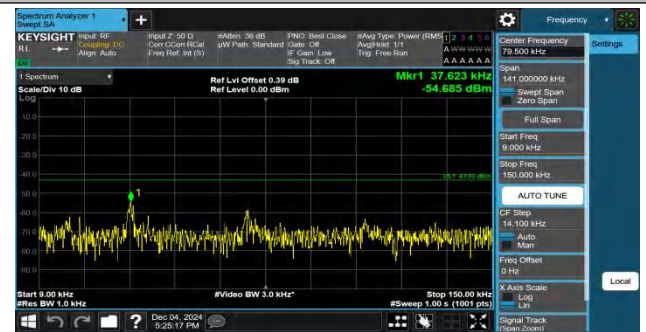
Band4-1.4MHz-QPSK-20175-1RB#0-3000~20000-PASS



Band4-1.4MHz-QPSK-20175-1RB#5-0.009~0.15-PASS





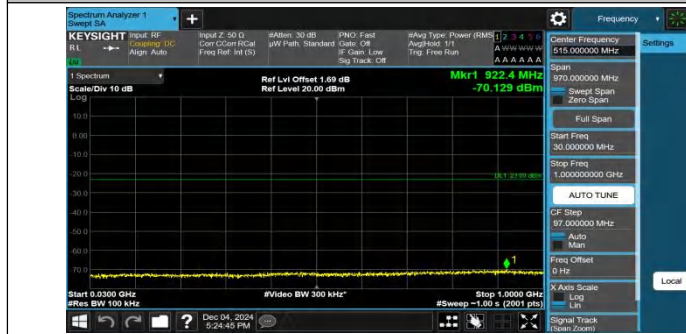




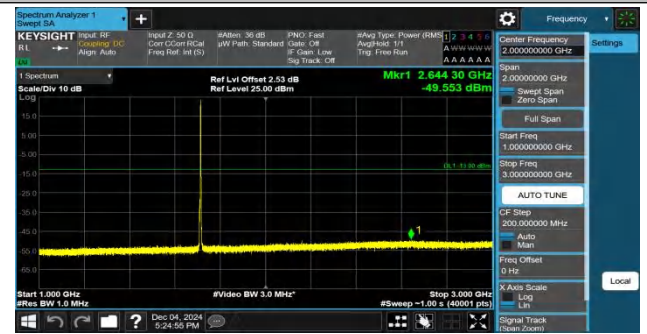
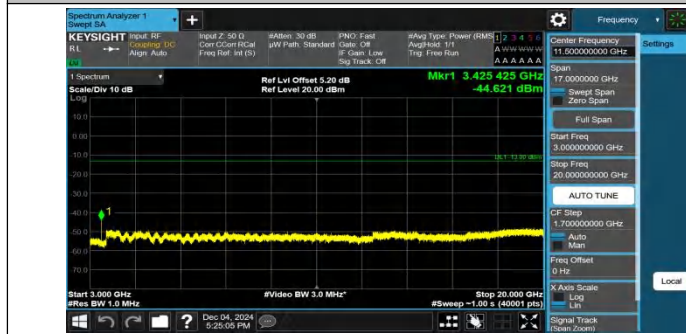
Band4-3MHz-QPSK-19965-1RB#14-0.009~0.15-PASS



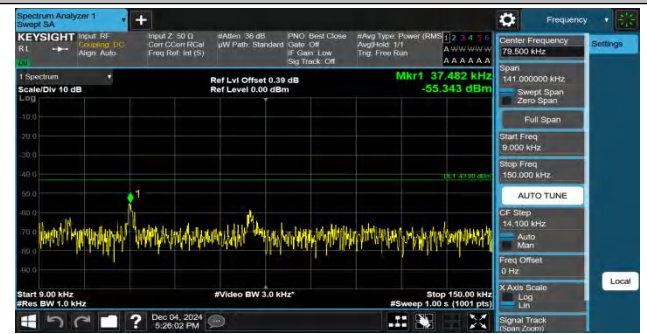
Band4-3MHz-QPSK-19965-1RB#14-0.15~30-PASS



Band4-3MHz-QPSK-19965-1RB#14-30~1000-PASS


Band4-3MHz-QPSK-19965-1RB#14
PASS


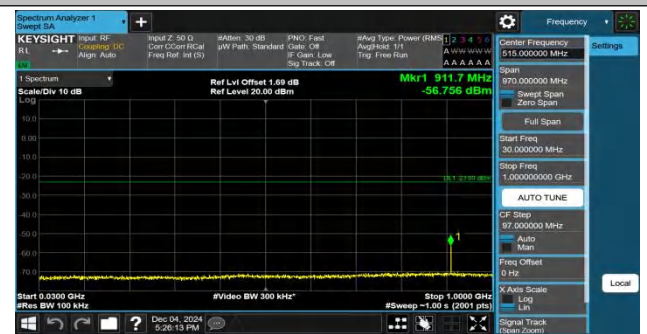
Band4-3MHz-QPSK-19965-1RB#14-3000~20000-PASS



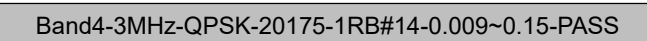
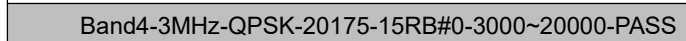
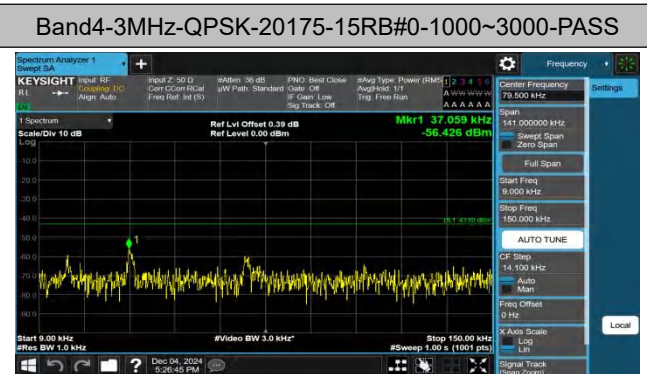
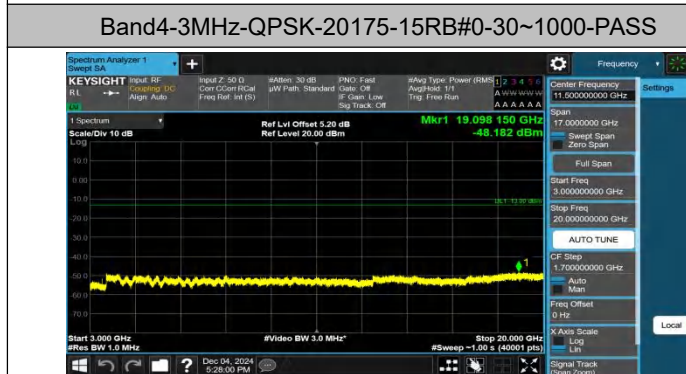
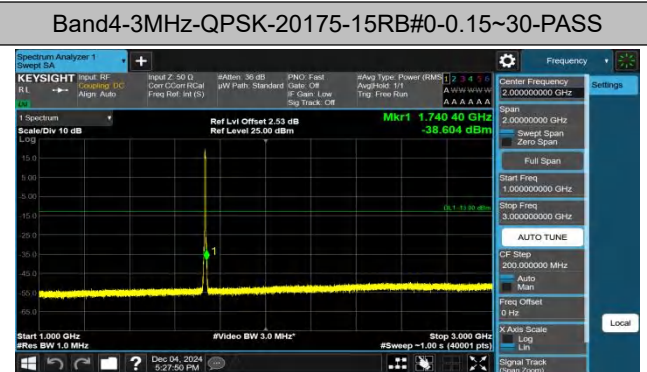
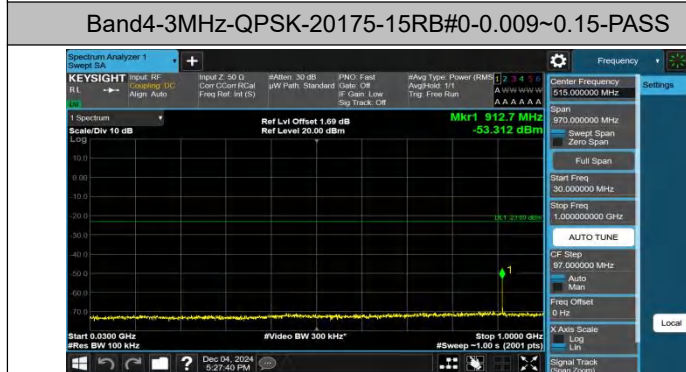
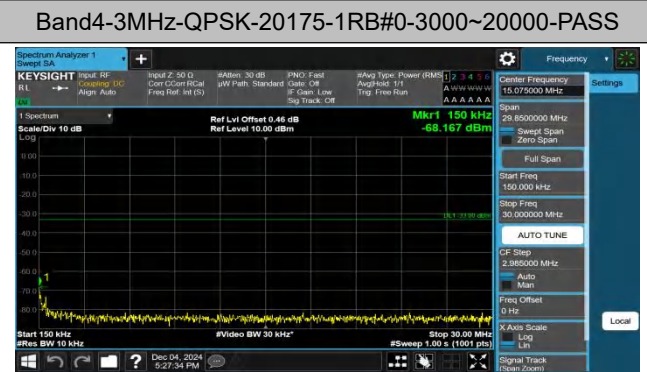
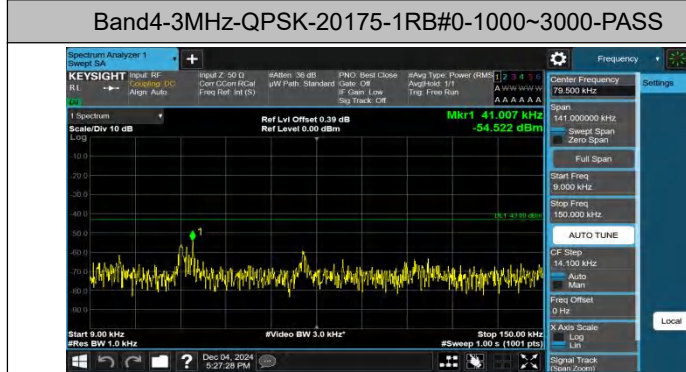
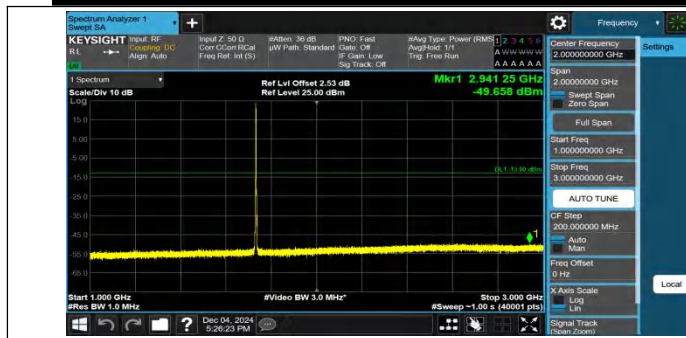
Band4-3MHz-QPSK-20175-1RB#0-0.009~0.15-PASS

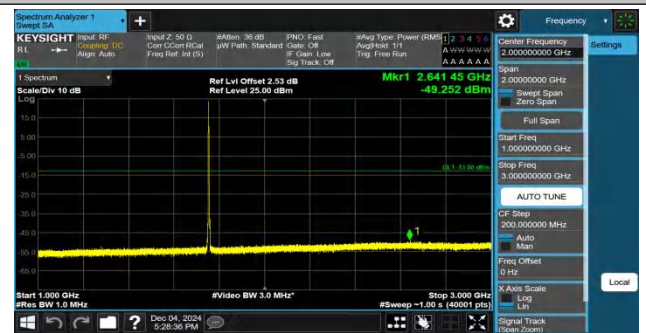
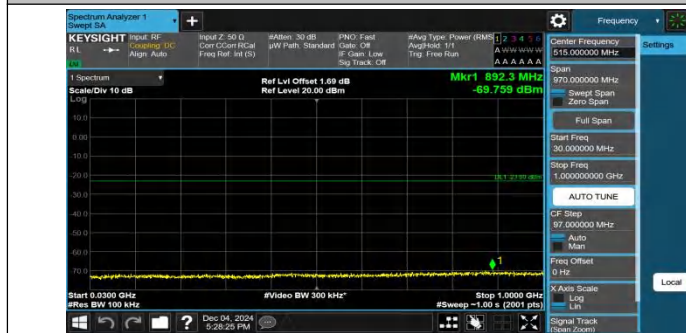
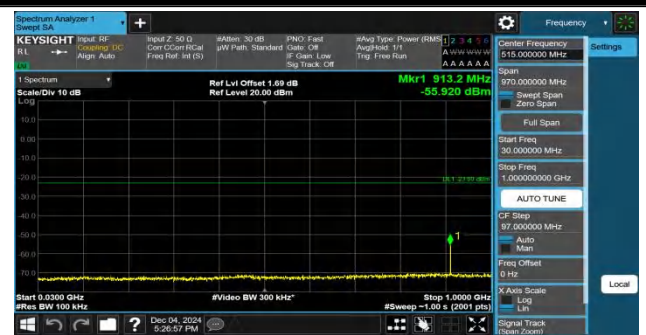
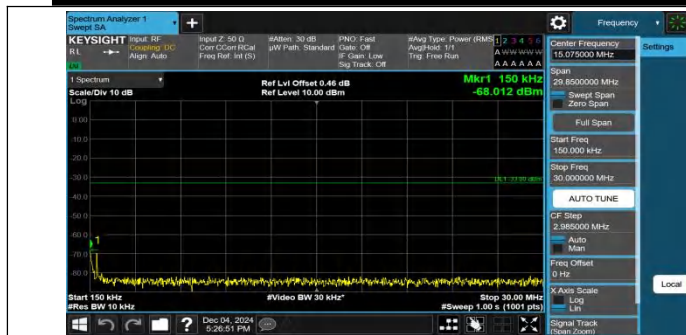


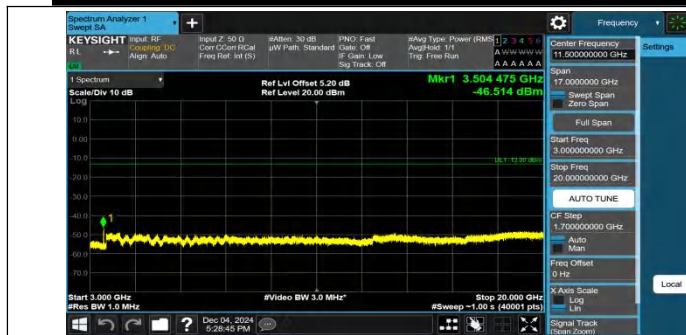
Band4-3MHz-QPSK-20175-1RB#0-0.15~30-PASS



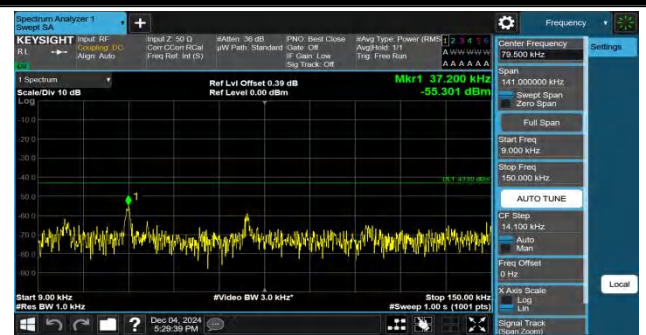
Band4-3MHz-QPSK-20175-1RB#0-30~1000-PASS







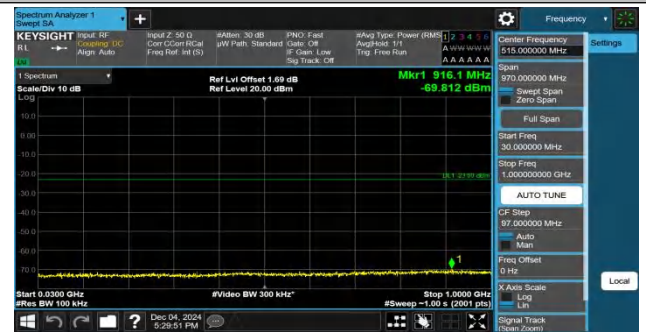
Band4-3MHz-QPSK-20385-1RB#0-3000~20000-PASS



Band4-3MHz-QPSK-20385-15RB#0-0.009~0.15-PASS



Band4-3MHz-QPSK-20385-15RB#0-0.15~30-PASS



Band4-3MHz-QPSK-20385-15RB#0-30~1000-PASS



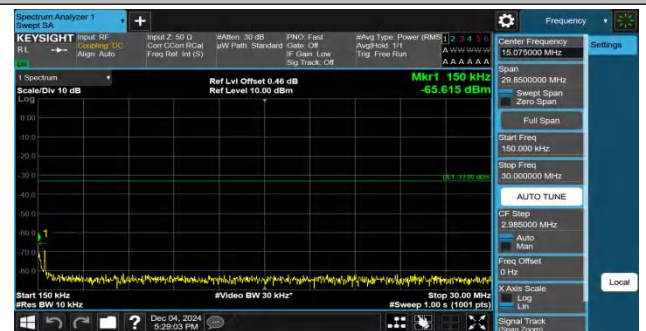
Band4-3MHz-QPSK-20385-15RB#0-1000~3000-PASS



Band4-3MHz-QPSK-20385-15RB#0-3000~20000-PASS



Band4-3MHz-QPSK-20385-1RB#14-0.009~0.15-PASS



Band4-3MHz-QPSK-20385-1RB#14-0.15~30-PASS

