

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	23.24	2	25.24	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.5	2	24.5	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.57	2	25.57	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.19	2	25.19	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.43	2	25.43	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.52	2	24.52	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.46	2	25.46	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.31	2	25.31	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.17	2	25.17	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.37	2	24.37	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.39	2	25.39	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.22	2	25.22	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.5	2	24.5	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.39	2	23.39	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.67	2	24.67	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.29	2	24.29	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.39	2	24.39	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.53	2	23.53	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.65	2	24.65	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.39	2	24.39	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.48	2	24.48	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.33	2	23.33	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.76	2	24.76	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.75	2	24.75	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.49	2	25.49	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.47	2	24.47	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.21	2	25.21	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.29	2	25.29	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.56	2	25.56	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.5	2	24.5	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.31	2	25.31	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.35	2	25.35	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.08	2	25.08	30	PASS

Band4	3MHz	QPSK	20385	15RB#0	22.3	2	24.3	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.15	2	25.15	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.22	2	25.22	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.45	2	24.45	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.54	2	23.54	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.29	2	24.29	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.23	2	24.23	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.48	2	24.48	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.54	2	23.54	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.53	2	24.53	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.36	2	24.36	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.07	2	24.07	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.27	2	23.27	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.04	2	24.04	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.21	2	24.21	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.38	2	25.38	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.36	2	24.36	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.58	2	25.58	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.11	2	25.11	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.34	2	25.34	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.45	2	24.45	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.46	2	25.46	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.37	2	25.37	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.39	2	25.39	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.37	2	24.37	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.43	2	25.43	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.38	2	25.38	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.34	2	24.34	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.42	2	23.42	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.35	2	24.35	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.98	2	23.98	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.3	2	24.3	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.48	2	23.48	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.32	2	24.32	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.31	2	24.31	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.32	2	24.32	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.39	2	23.39	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.53	2	24.53	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.68	2	24.68	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.27	2	25.27	30	PASS

Band4	10MHz	QPSK	20000	50RB#0	22.46	2	24.46	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.62	2	25.62	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.31	2	25.31	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23	2	25	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.5	2	24.5	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.46	2	25.46	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.27	2	25.27	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.2	2	25.2	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.41	2	24.41	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.26	2	25.26	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.26	2	25.26	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.83	2	24.83	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.5	2	23.5	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.31	2	25.31	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.77	2	24.77	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.3	2	24.3	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.4	2	23.4	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.7	2	24.7	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.33	2	24.33	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.21	2	24.21	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.29	2	23.29	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.82	2	24.82	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.42	2	24.42	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.24	2	25.24	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.46	2	24.46	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.41	2	25.41	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.26	2	25.26	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.1	2	25.1	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.55	2	24.55	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.41	2	25.41	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.21	2	25.21	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.33	2	25.33	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.41	2	24.41	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.05	2	25.05	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.2	2	25.2	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.57	2	24.57	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.5	2	23.5	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.19	2	25.19	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.55	2	24.55	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.43	2	24.43	30	PASS

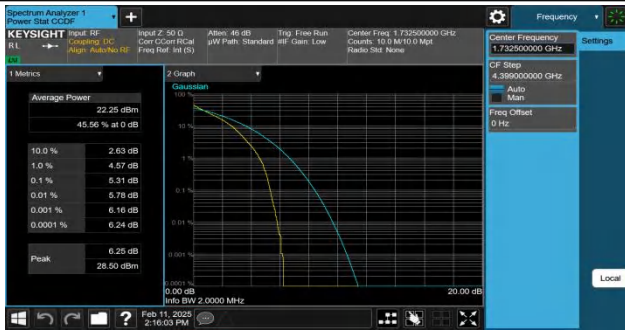
Band4	15MHz	16QAM	20175	75RB#0	21.43	2	23.43	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.84	2	24.84	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.47	2	24.47	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.58	2	24.58	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.46	2	23.46	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.27	2	24.27	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.41	2	24.41	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23	2	25	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.46	2	24.46	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.63	2	25.63	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.98	2	24.98	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.18	2	25.18	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.55	2	24.55	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.61	2	25.61	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.37	2	25.37	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.39	2	25.39	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.45	2	24.45	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.39	2	25.39	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.14	2	25.14	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.22	2	24.22	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.49	2	23.49	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.21	2	24.21	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.21	2	24.21	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.13	2	24.13	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.55	2	23.55	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.02	2	25.02	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.4	2	24.4	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.11	2	25.11	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.57	2	23.57	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.3	2	25.3	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.98	2	24.98	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	5.31	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.16	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.30	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.16	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.34	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.14	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.23	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.07	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.37	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.10	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.17	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.01	13	PASS

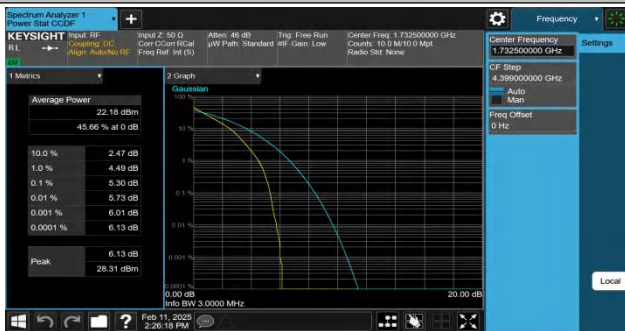
Test Graphs



Band4-1.4MHz-QPSK-20175-6RB#0-PASS



Band4-1.4MHz-16QAM-20175-6RB#0-PASS



Band4-3MHz-QPSK-20175-15RB#0-PASS



Band4-3MHz-16QAM-20175-15RB#0-PASS



Band4-5MHz-QPSK-20175-25RB#0-PASS



Band4-5MHz-16QAM-20175-25RB#0-PASS



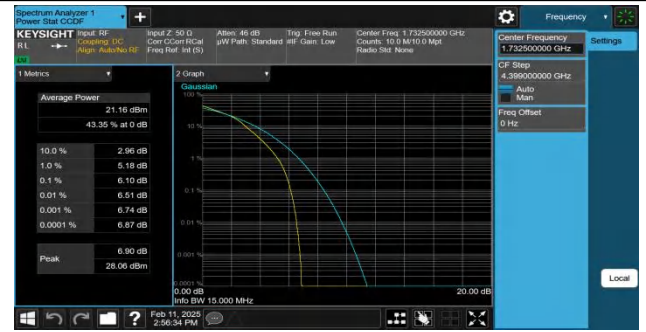
Band4-10MHz-QPSK-20175-50RB#0-PASS



Band4-10MHz-16QAM-20175-50RB#0-PASS



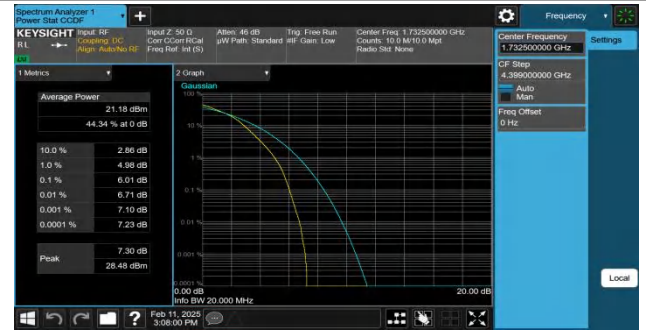
Band4-15MHz-QPSK-20175-75RB#0-PASS



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



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



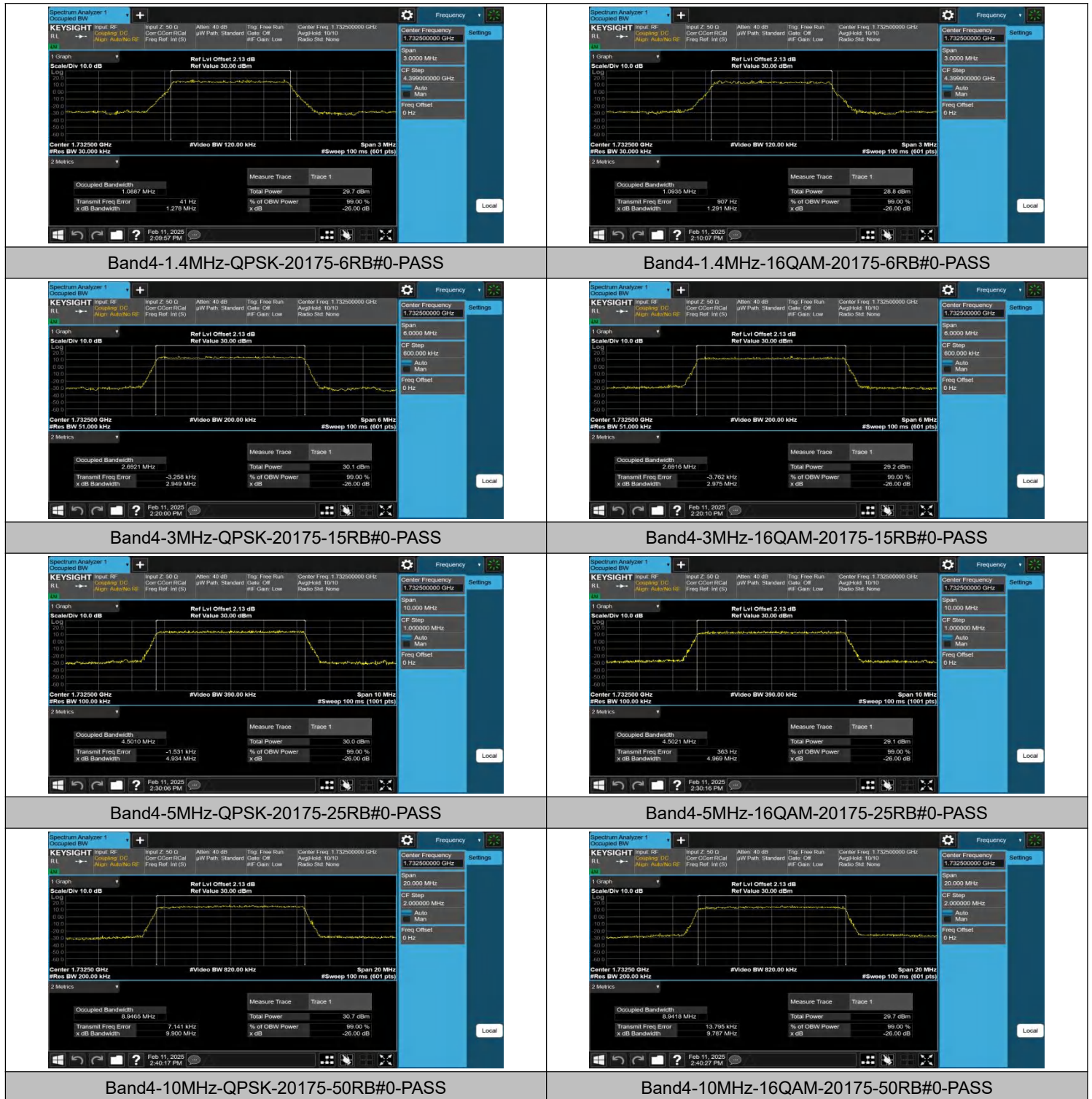
Band4-20MHz-16QAM-20175-100RB#0-PASS

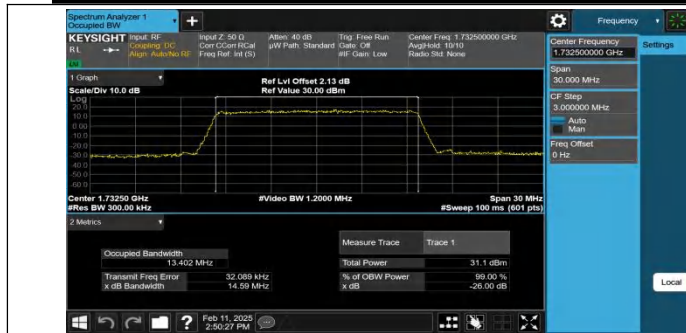
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	1.0887	1.278	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0935	1.291	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6921	2.949	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6916	2.975	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5010	4.934	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5021	4.969	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9465	9.900	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9418	9.787	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.402	14.59	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.391	14.69	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.871	19.33	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.891	19.53	PASS

Test Graphs

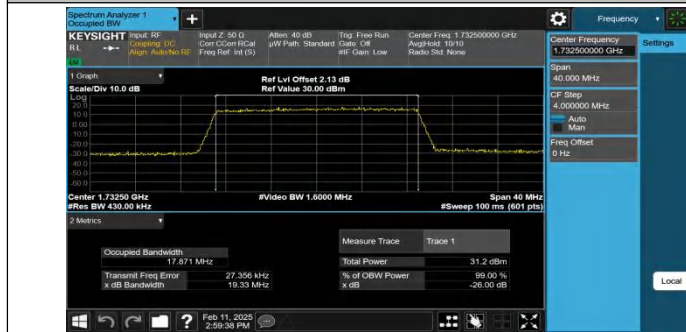




Band4-15MHz-QPSK-20175-75RB#0-PASS



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



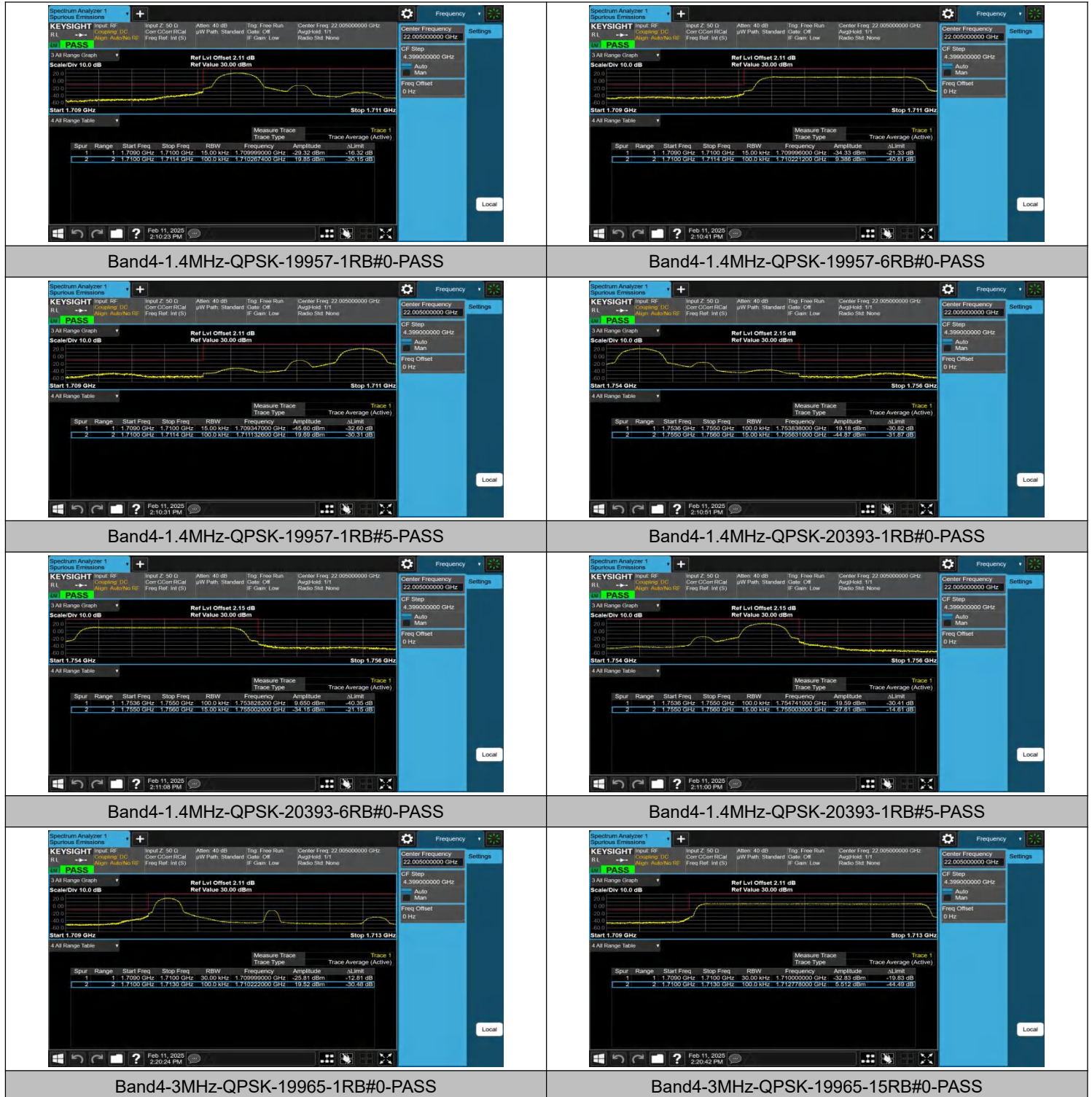
Band4-20MHz-QPSK-20175-100RB#0-PASS



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

Band Edge

Test Graphs





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



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



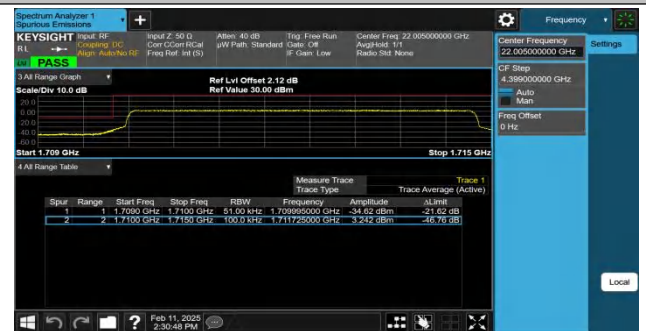
Band4-3MHz-QPSK-20385-15RB#0-PASS



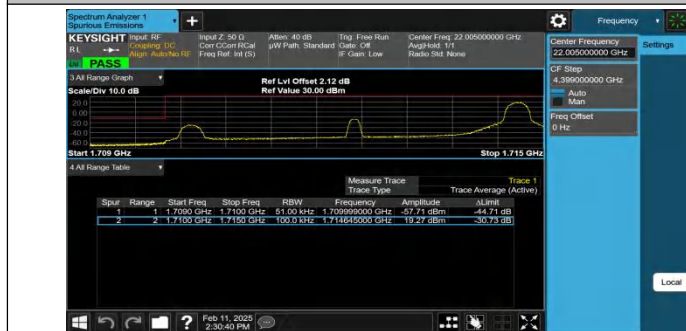
Band4-3MHz-QPSK-20385-1RB#14-PASS



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



Band4-5MHz-QPSK-19975-25RB#0-PASS



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



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



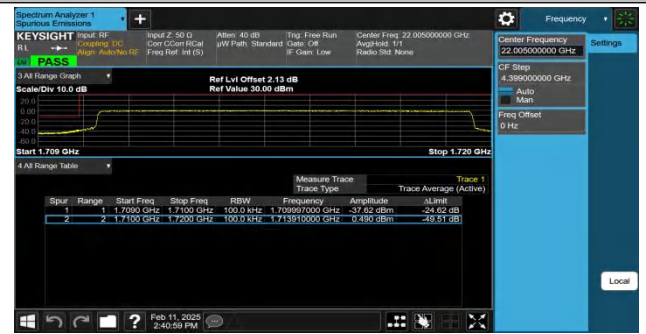
Band4-5MHz-QPSK-20375-25RB#0-PASS



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



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



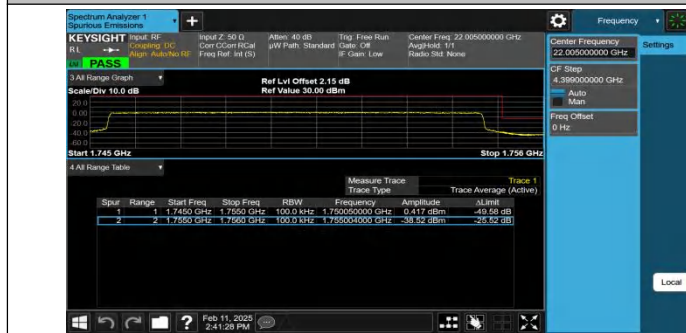
Band4-10MHz-QPSK-20000-50RB#0-PASS



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



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



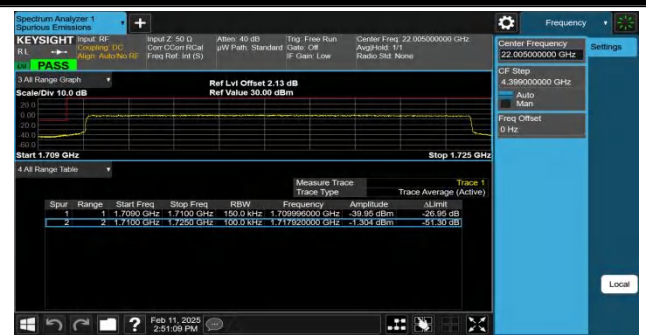
Band4-10MHz-QPSK-20350-50RB#0-PASS



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



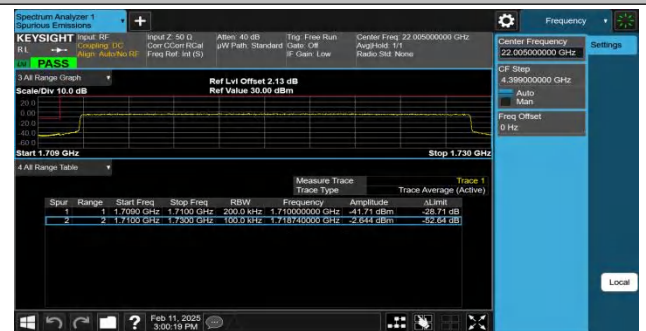
Band4-15MHz-QPSK-20325-75RB#0-PASS



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



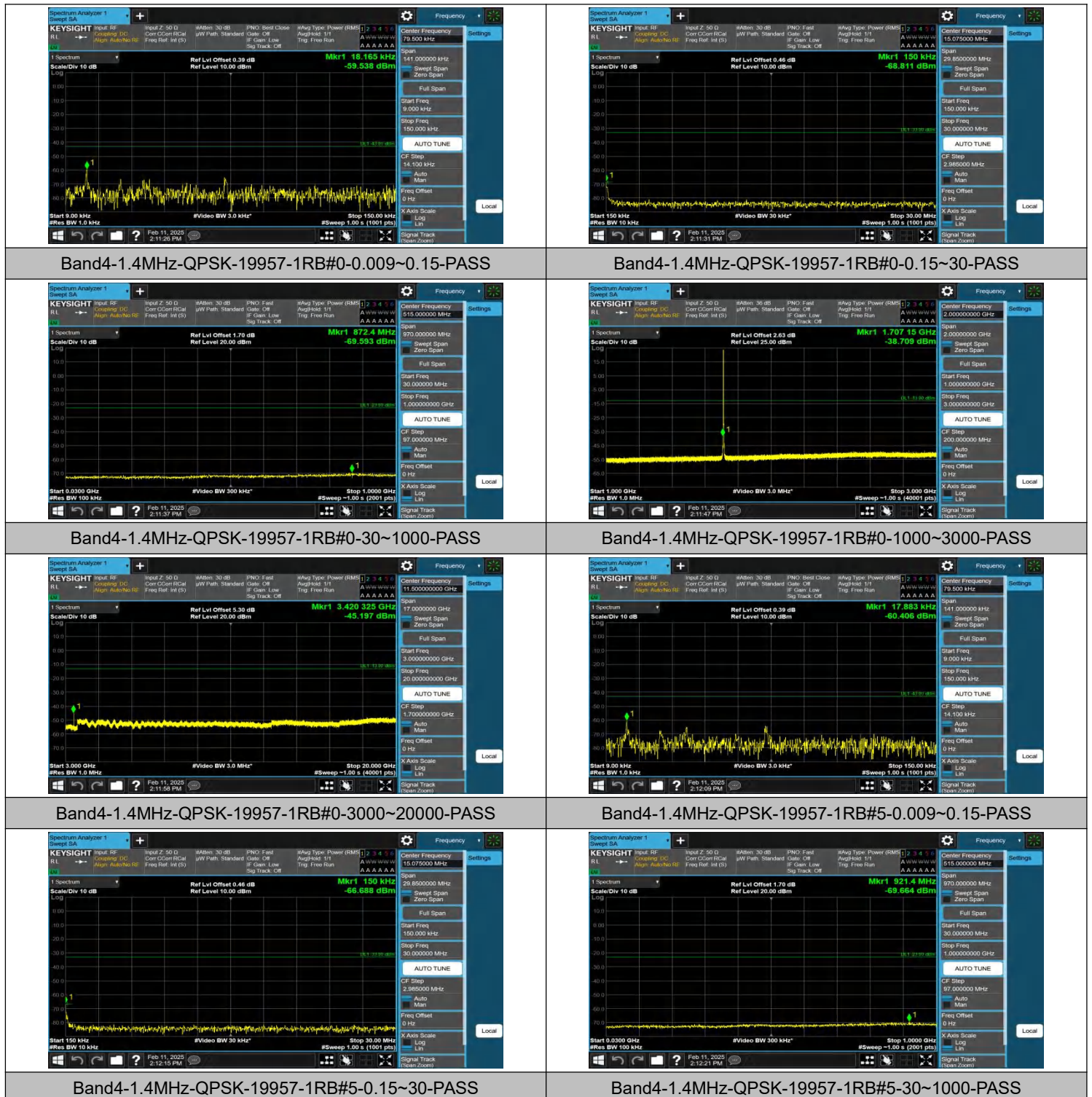
Band4-20MHz-QPSK-20300-100RB#0-PASS

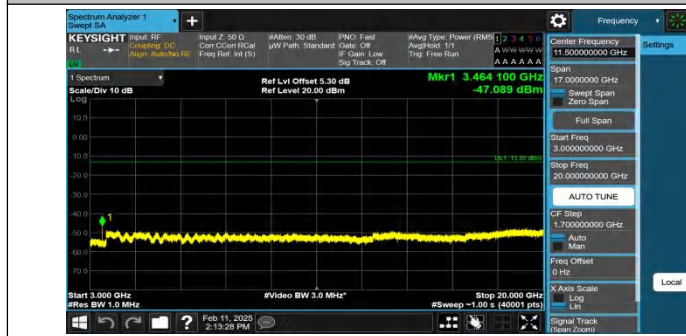
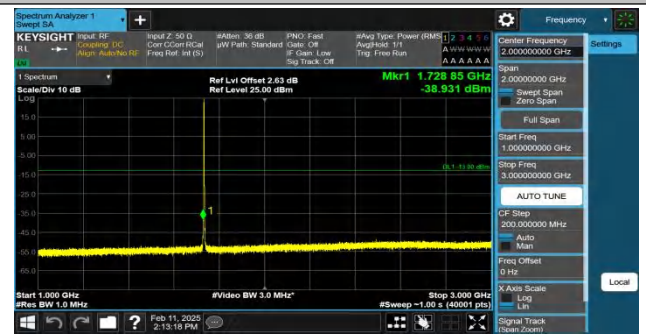
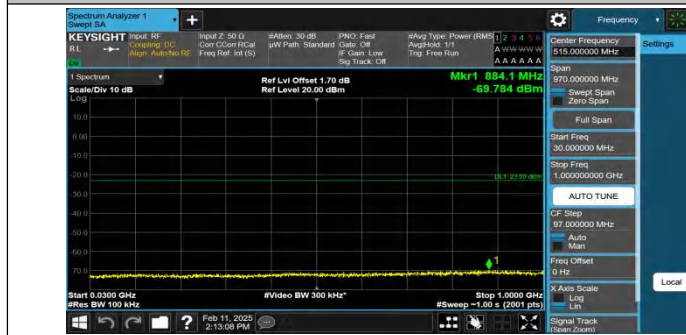
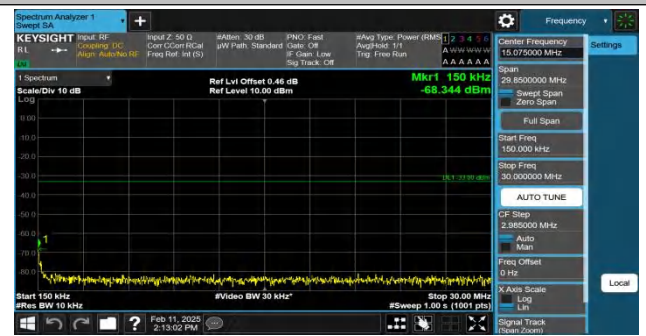
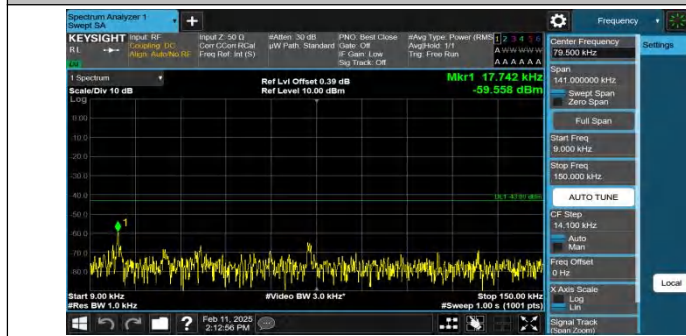
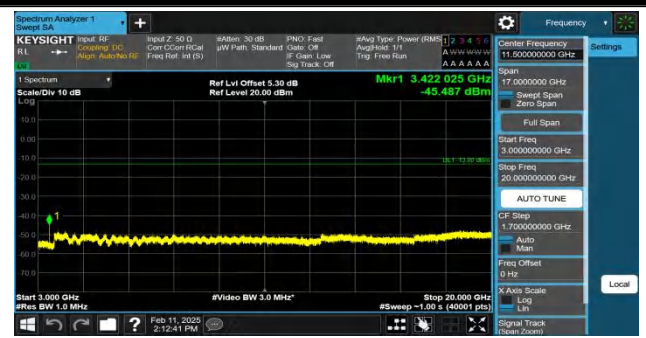
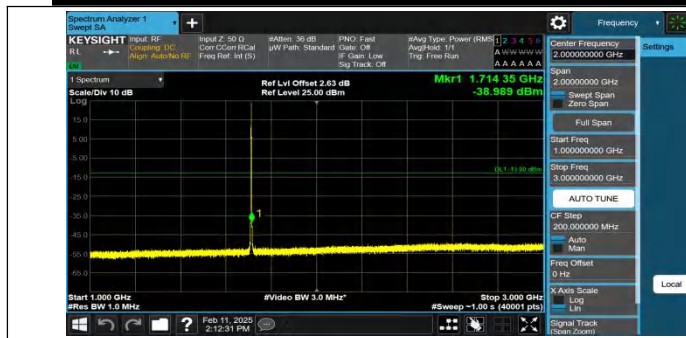


Band4-20MHz-QPSK-20300-1RB#99-PASS

Conducted Spurious Emission

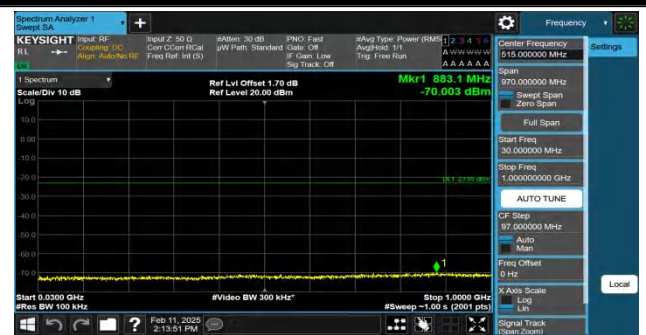
Test Graphs



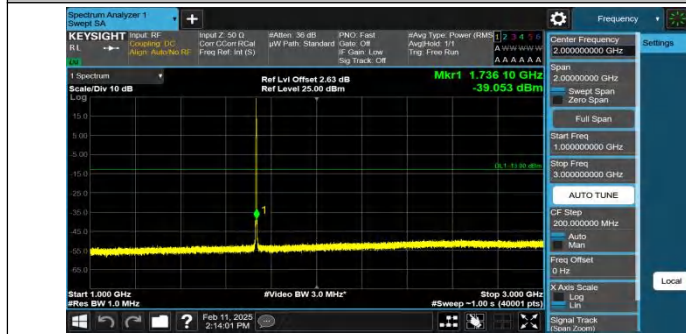




Band4-1.4MHz-QPSK-20175-1RB#5-0.15~30-PASS



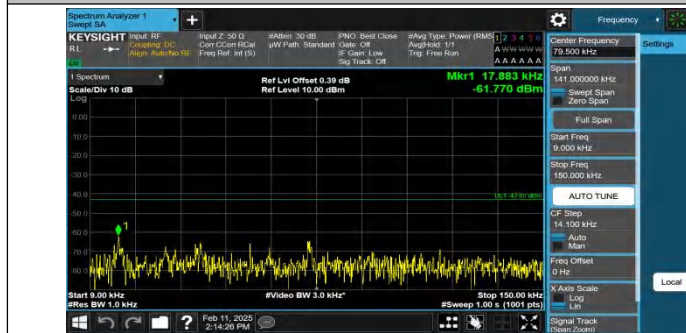
Band4-1.4MHz-QPSK-20175-1RB#5-30~1000-PASS



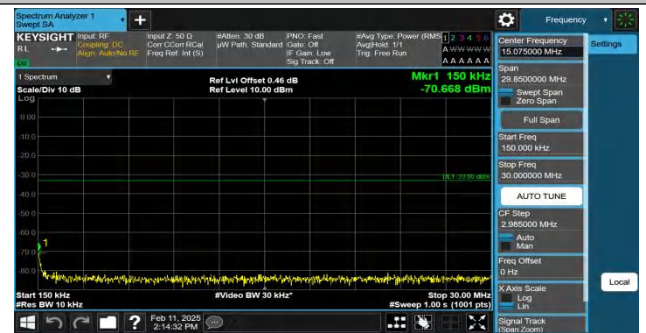
Band4-1.4MHz-QPSK-20175-1RB#5-1000~3000-PASS



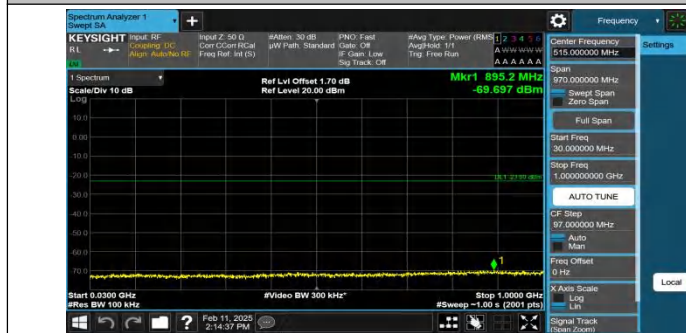
Band4-1.4MHz-QPSK-20175-1RB#5-3000~20000-PASS



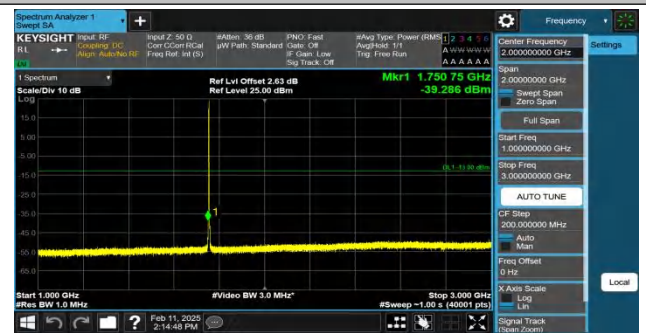
Band4-1.4MHz-QPSK-20393-1RB#0-0.009~0.15-PASS



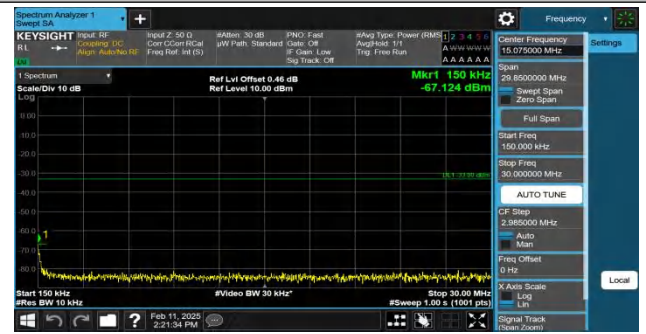
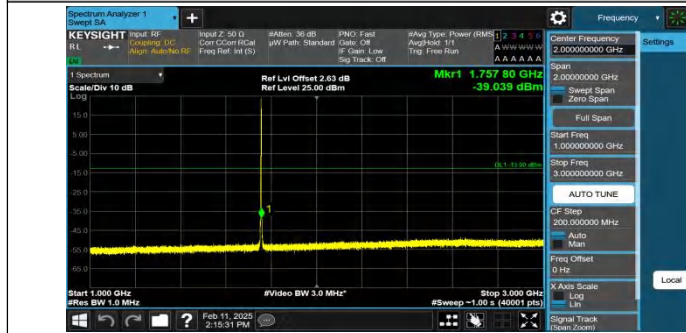
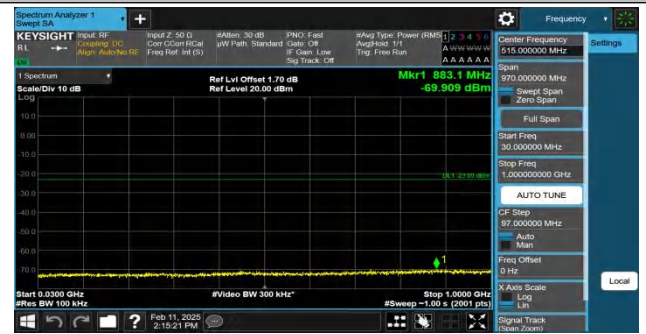
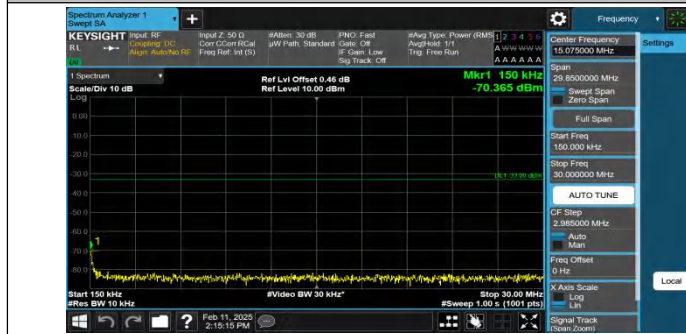
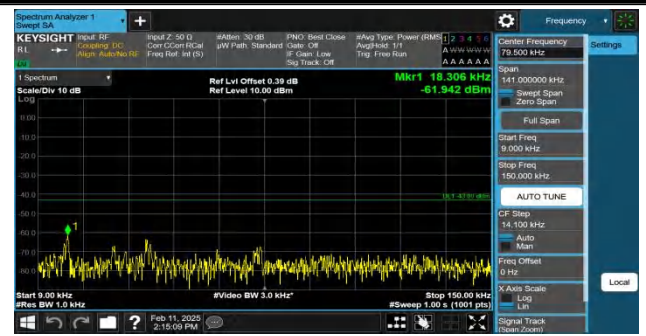
Band4-1.4MHz-QPSK-20393-1RB#0-0.15~30-PASS

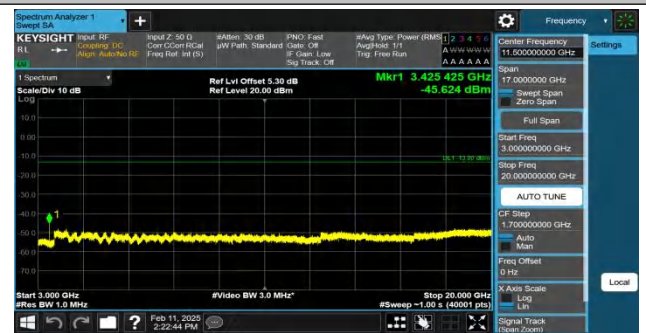
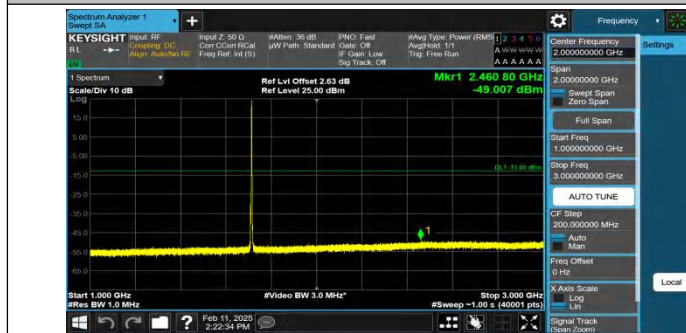
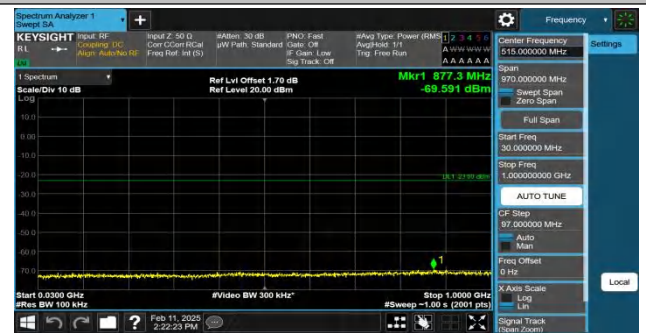
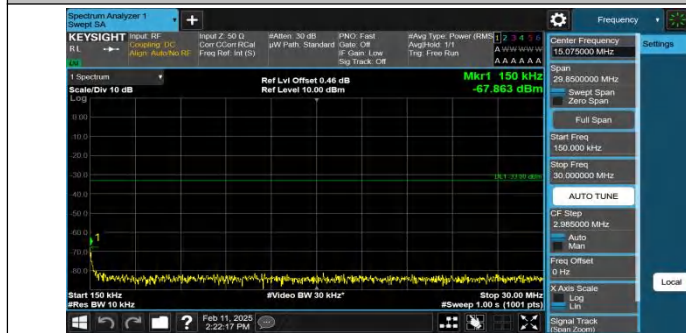
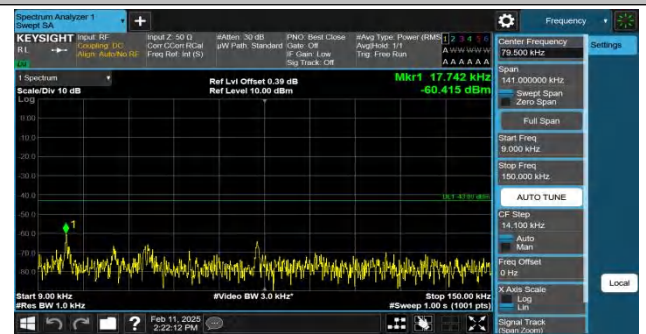
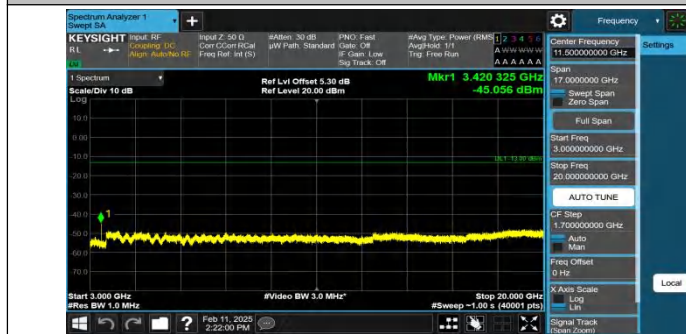
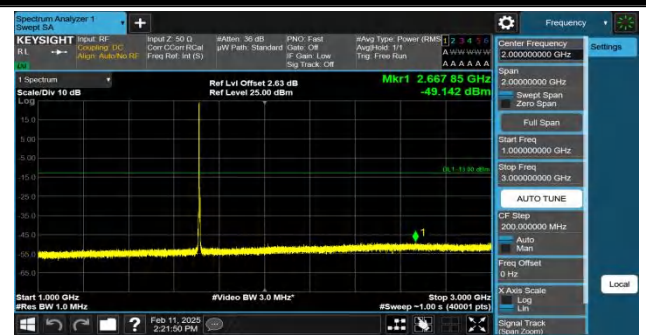
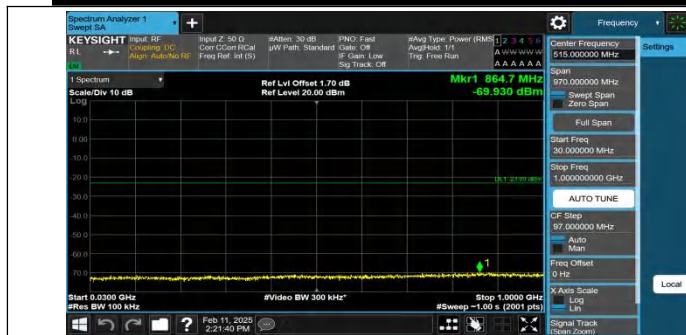


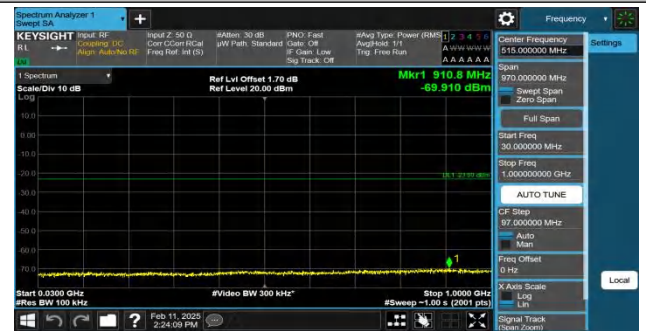
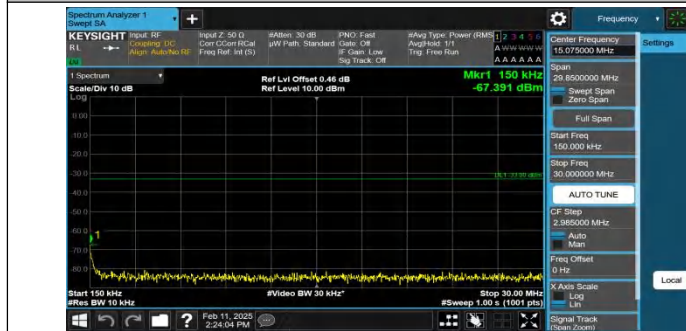
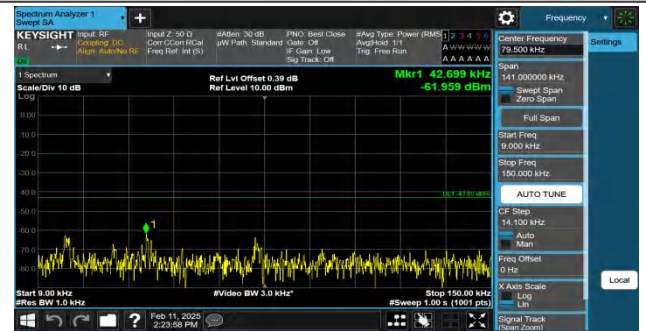
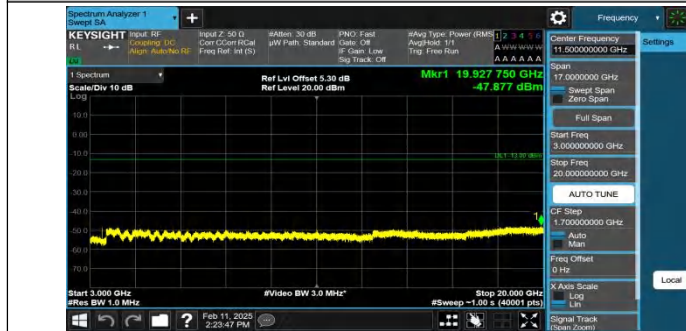
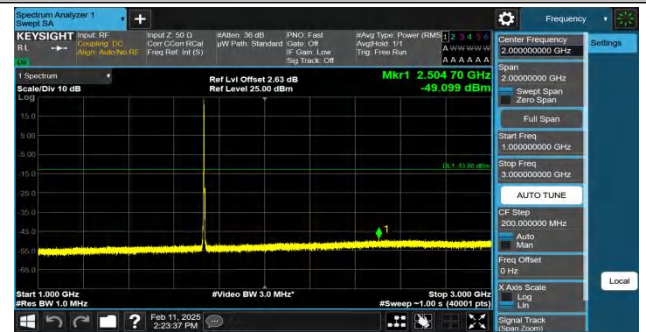
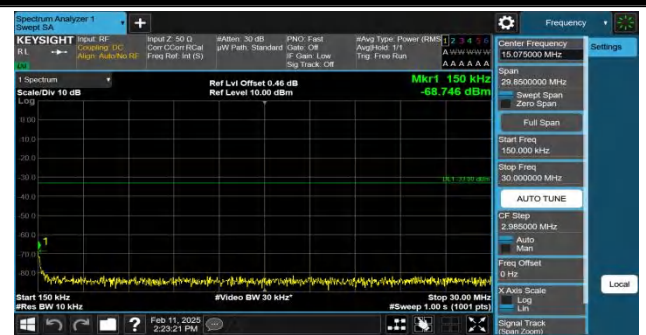
Band4-1.4MHz-QPSK-20393-1RB#0-30~1000-PASS



Band4-1.4MHz-QPSK-20393-1RB#0-1000~3000-PASS

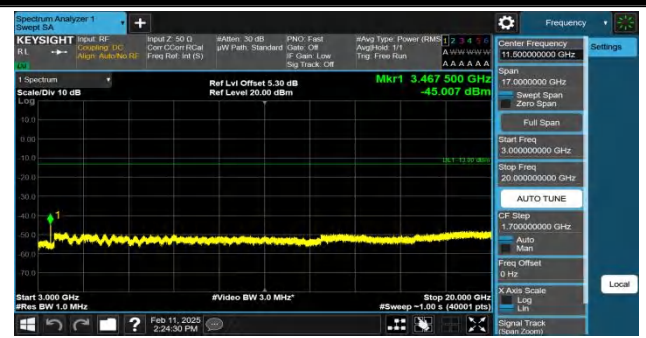




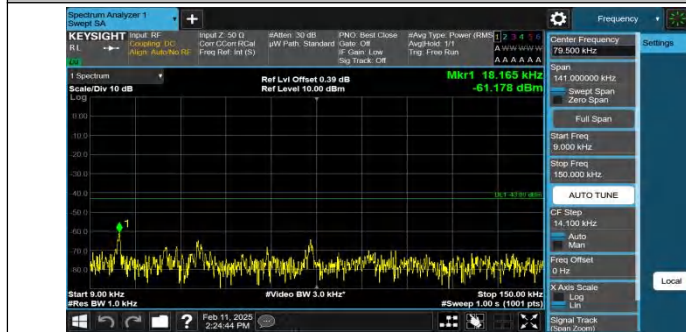




Band4-3MHz-QPSK-20175-1RB#14-1000~3000-PASS



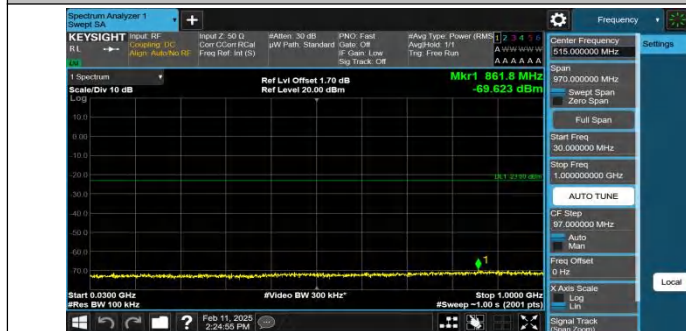
Band4-3MHz-QPSK-20175-1RB#14-3000~20000-PASS



Band4-3MHz-QPSK-20385-1RB#0-0.009~0.15-PASS



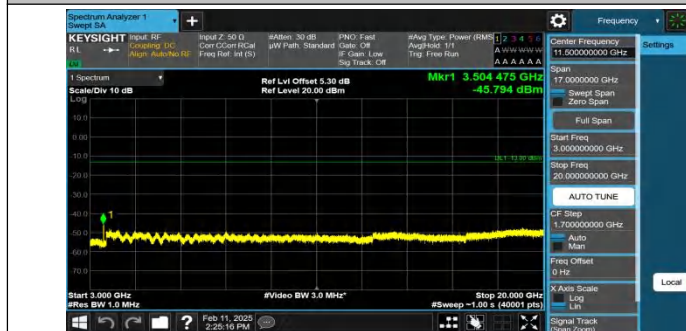
Band4-3MHz-QPSK-20385-1RB#0-0.15~30-PASS



Band4-3MHz-QPSK-20385-1RB#0-30~1000-PASS



Band4-3MHz-QPSK-20385-1RB#0-1000~3000-PASS



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



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