

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Gain (dBi)	E(I)RP(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.31	1.2	24.51	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.34	1.2	23.54	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.35	1.2	24.55	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.39	1.2	24.59	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.42	1.2	24.62	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.42	1.2	23.62	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.42	1.2	24.62	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.35	1.2	24.55	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.13	1.2	24.33	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.06	1.2	23.26	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.25	1.2	24.45	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.96	1.2	24.16	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.39	1.2	23.59	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.57	1.2	22.77	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.47	1.2	23.67	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.37	1.2	23.57	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.22	1.2	23.42	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.35	1.2	22.55	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.54	1.2	23.74	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.25	1.2	23.45	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.00	1.2	23.2	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.98	1.2	22.18	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.56	1.2	23.76	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.19	1.2	23.39	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.48	1.2	24.68	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.34	1.2	23.54	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.98	1.2	24.18	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.96	1.2	24.16	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.13	1.2	24.33	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.37	1.2	23.57	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.27	1.2	24.47	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.06	1.2	24.26	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.76	1.2	23.96	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.00	1.2	23.2	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.68	1.2	23.88	30	PASS

Band4	3MHz	QPSK	20385	1RB#14	22.99	1.2	24.19	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.61	1.2	23.81	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.13	1.2	22.33	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.10	1.2	23.3	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.08	1.2	23.28	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.27	1.2	23.47	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.13	1.2	22.33	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.41	1.2	23.61	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.19	1.2	23.39	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.67	1.2	22.87	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.89	1.2	22.09	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.68	1.2	22.88	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.73	1.2	22.93	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.37	1.2	24.57	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.14	1.2	23.34	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.99	1.2	24.19	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.16	1.2	24.36	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.27	1.2	24.47	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.27	1.2	23.47	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.46	1.2	24.66	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.20	1.2	24.4	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.97	1.2	24.17	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.08	1.2	23.28	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.04	1.2	24.24	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.16	1.2	24.36	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.19	1.2	23.39	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.18	1.2	22.38	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.81	1.2	23.01	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.82	1.2	23.02	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.03	1.2	23.23	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.21	1.2	22.41	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.29	1.2	23.49	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.83	1.2	23.03	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.96	1.2	23.16	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.99	1.2	22.19	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.00	1.2	23.2	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.16	1.2	23.36	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.28	1.2	24.48	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.20	1.2	23.4	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.02	1.2	24.22	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.92	1.2	24.12	30	PASS

Band4	10MHz	QPSK	20175	1RB#0	22.97	1.2	24.17	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.35	1.2	23.55	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.16	1.2	24.36	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.02	1.2	24.22	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.81	1.2	24.01	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.97	1.2	23.17	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.16	1.2	24.36	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.02	1.2	24.22	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.31	1.2	23.51	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.23	1.2	22.43	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.44	1.2	23.64	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.07	1.2	23.27	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.30	1.2	23.5	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.29	1.2	22.49	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.61	1.2	23.81	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.07	1.2	23.27	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.36	1.2	23.56	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.05	1.2	22.25	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.49	1.2	23.69	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.09	1.2	23.29	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.04	1.2	24.24	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.16	1.2	23.36	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.05	1.2	24.25	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.19	1.2	24.39	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.09	1.2	24.29	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.24	1.2	23.44	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.09	1.2	24.29	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.84	1.2	24.04	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.94	1.2	24.14	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.08	1.2	23.28	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.70	1.2	23.9	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.77	1.2	23.97	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.25	1.2	23.45	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.16	1.2	22.36	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.09	1.2	23.29	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.11	1.2	23.31	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.12	1.2	23.32	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.15	1.2	22.35	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.22	1.2	23.42	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.99	1.2	23.19	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.12	1.2	23.32	30	PASS

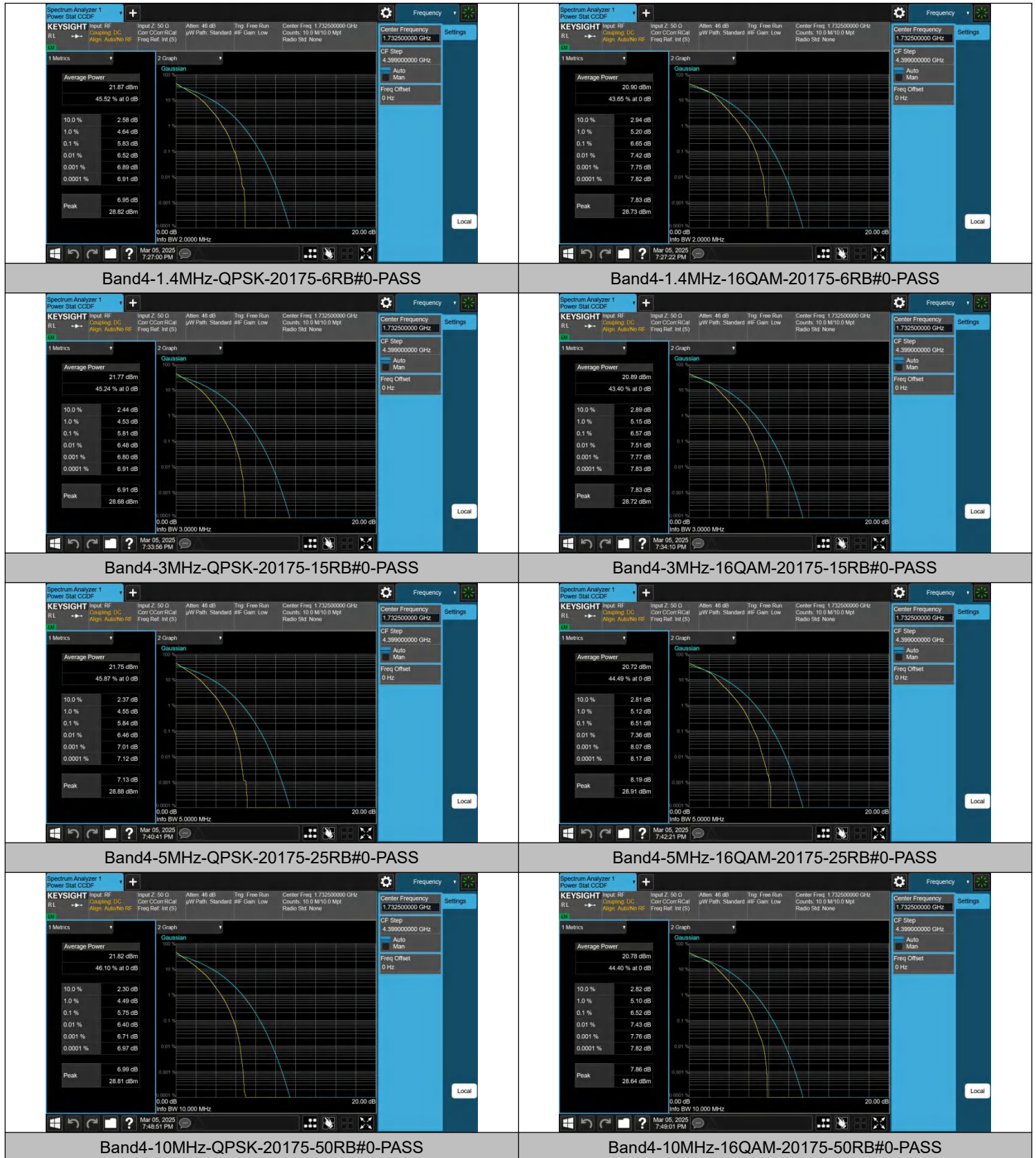
Band4	15MHz	16QAM	20325	75RB#0	21.13	1.2	22.33	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.11	1.2	23.31	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.80	1.2	23	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.16	1.2	24.36	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.22	1.2	23.42	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.30	1.2	24.5	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.48	1.2	24.68	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.26	1.2	24.46	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.22	1.2	23.42	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.60	1.2	24.8	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.17	1.2	24.37	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.32	1.2	24.52	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.13	1.2	23.33	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.92	1.2	24.12	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.02	1.2	24.22	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.08	1.2	23.28	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.25	1.2	22.45	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.72	1.2	23.92	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.50	1.2	23.7	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.00	1.2	23.2	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.15	1.2	22.35	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.89	1.2	24.09	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.90	1.2	23.1	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.09	1.2	24.29	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.07	1.2	22.27	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.06	1.2	24.26	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.75	1.2	23.95	30	PASS

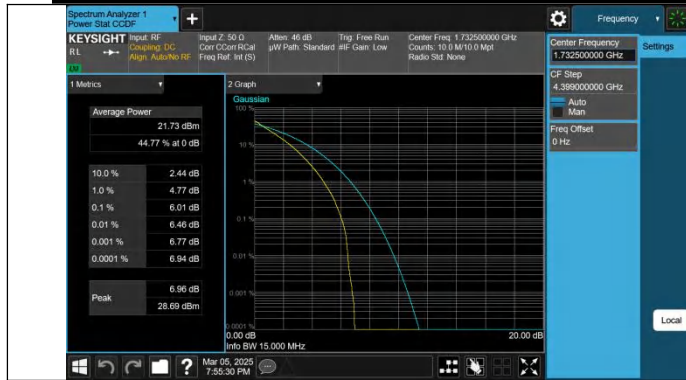
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	5.83	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.65	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.81	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.57	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.84	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.51	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.75	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.52	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	6.01	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.52	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.67	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.48	13	PASS

Test Graphs

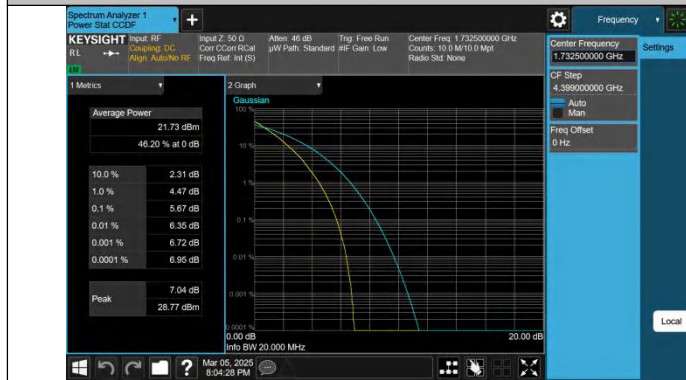




Band4-15MHz-QPSK-20175-75RB#0-PASS



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



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



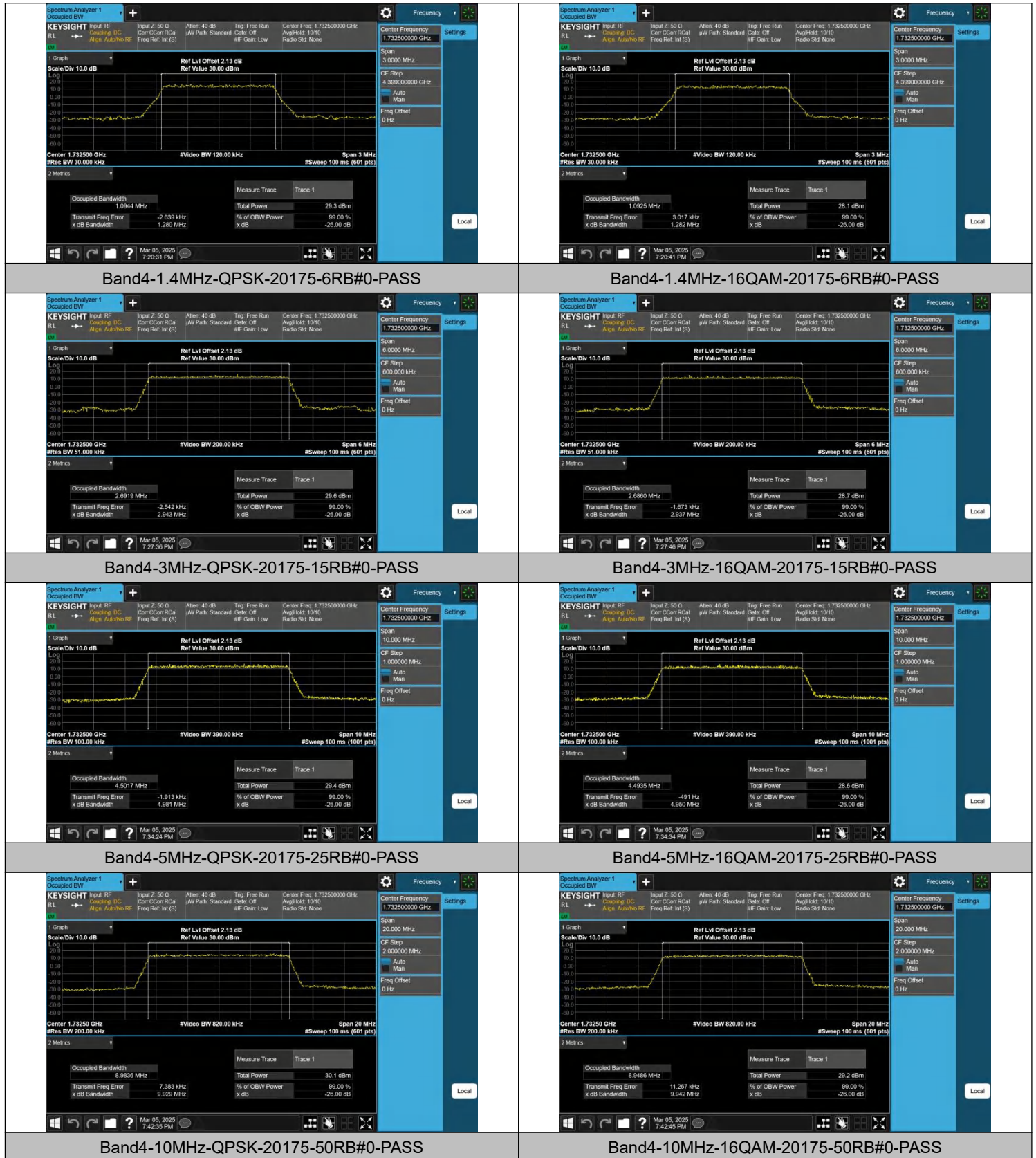
Band4-20MHz-16QAM-20175-100RB#0-PASS

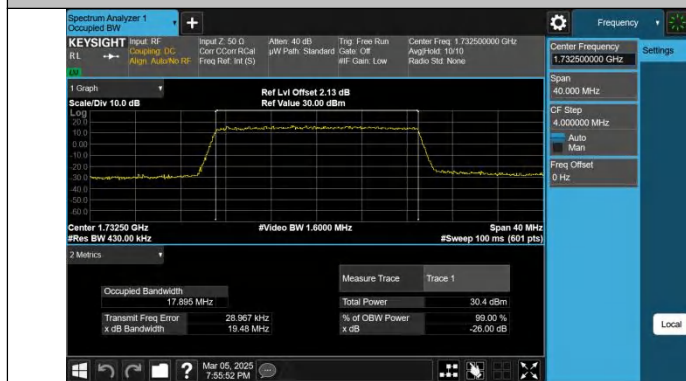
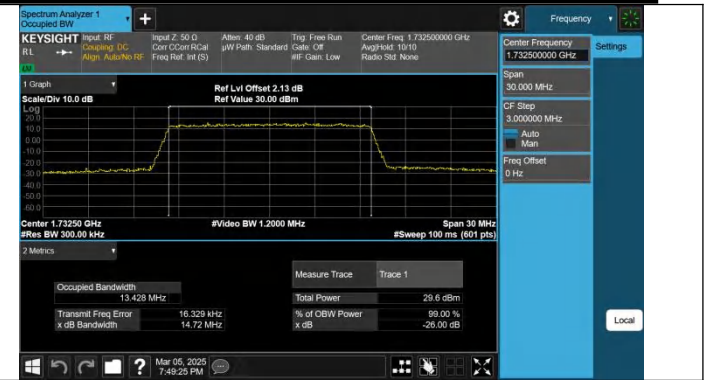
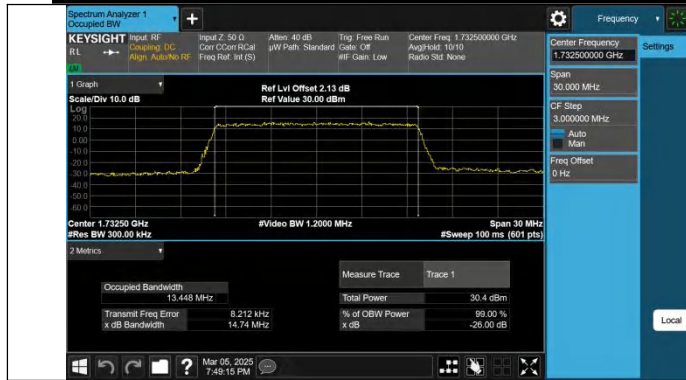
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	1.0944	1.280	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0925	1.282	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6919	2.943	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6860	2.937	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5017	4.981	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4935	4.950	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9836	9.929	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9486	9.942	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.448	14.74	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.428	14.72	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.895	19.48	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.993	19.51	PASS

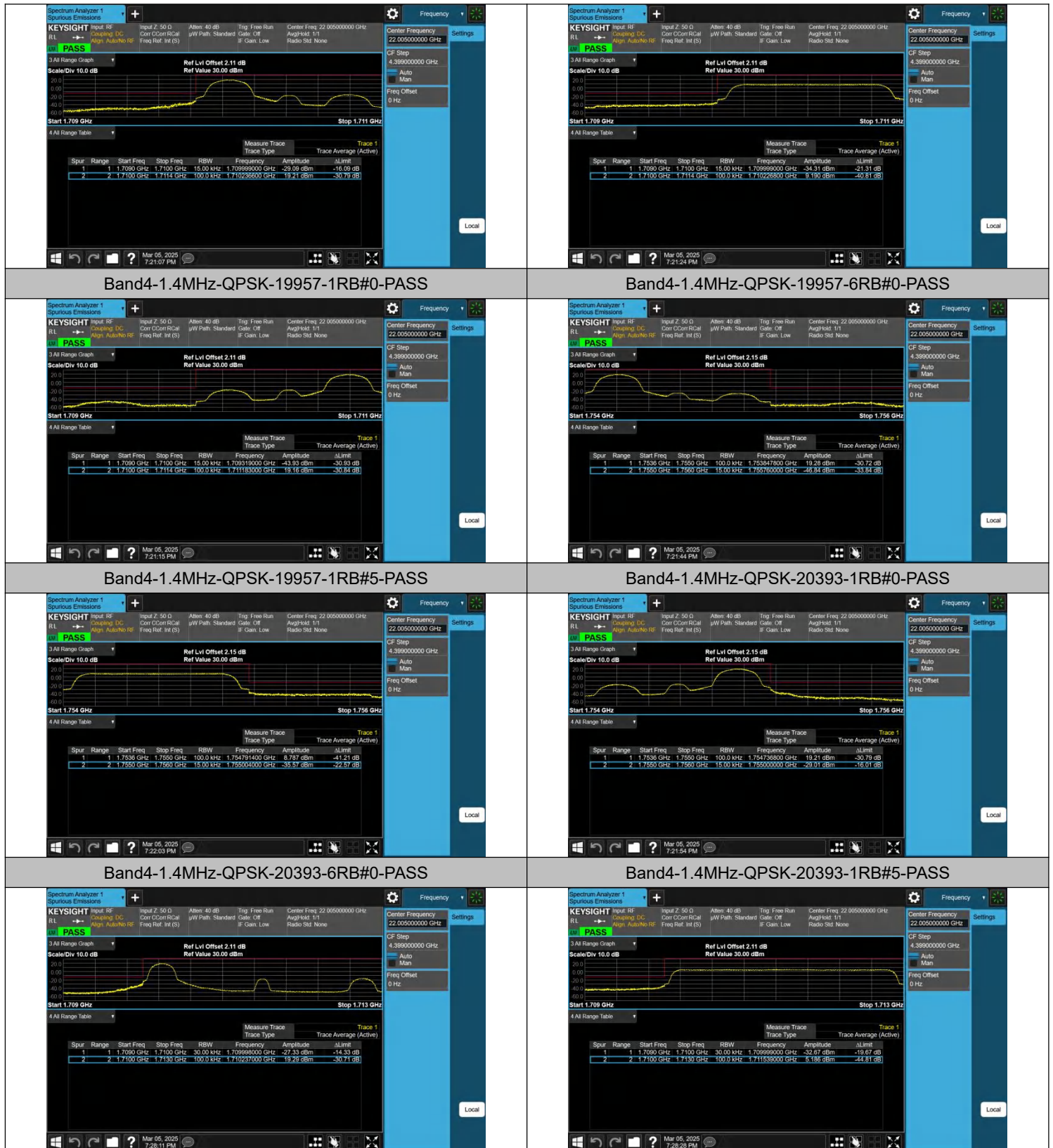
Test Graphs



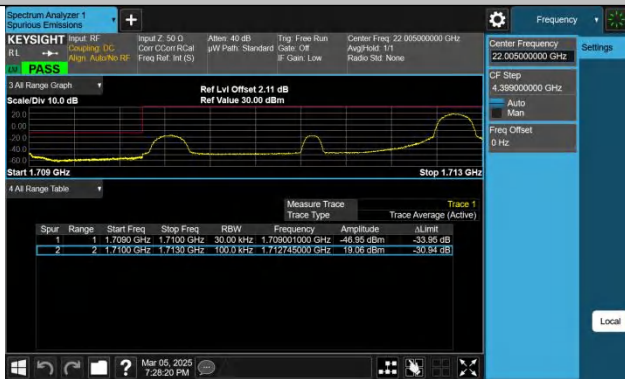


Band Edge

Test Graphs



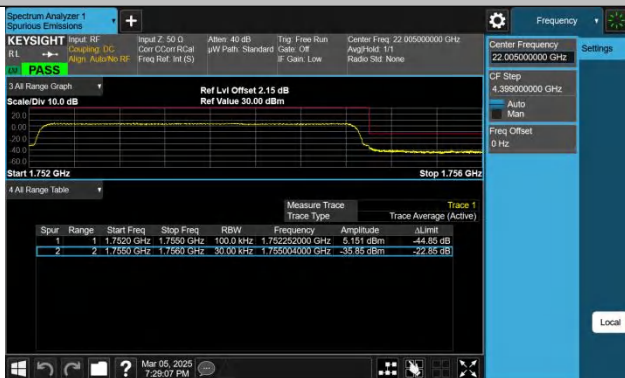
Band4-3MHz-QPSK-19965-1RB#0-PASS



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



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



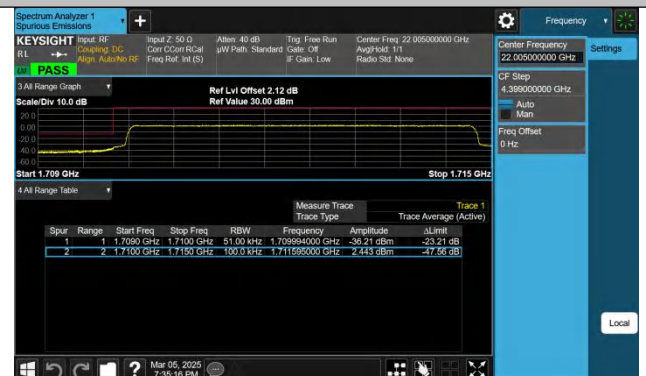
Band4-3MHz-QPSK-20385-1RB#0-PASS



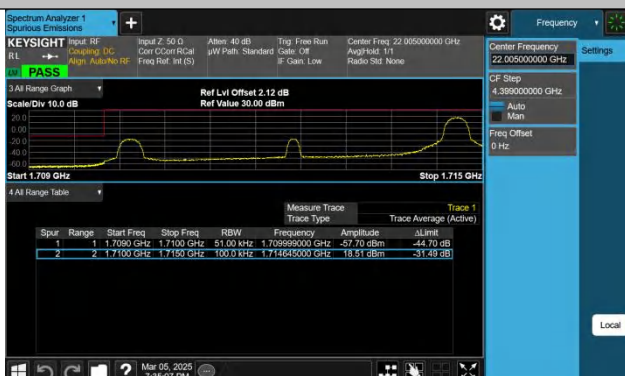
Band4-3MHz-QPSK-20385-15RB#0-PASS



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



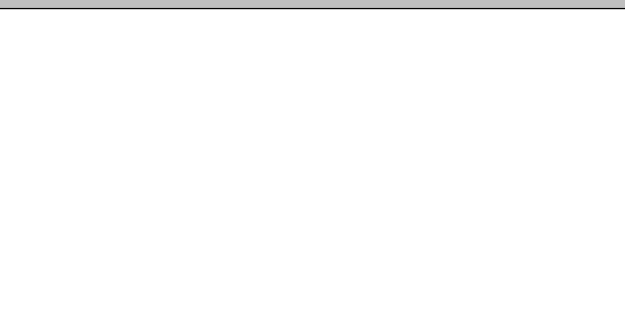
Band4-5MHz-QPSK-19975-1RB#0-PASS



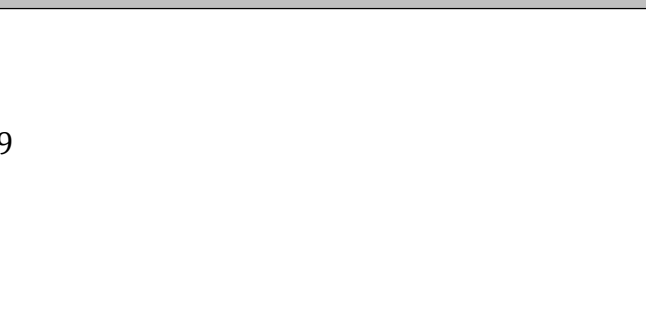
Band4-5MHz-QPSK-19975-25RB#0-PASS

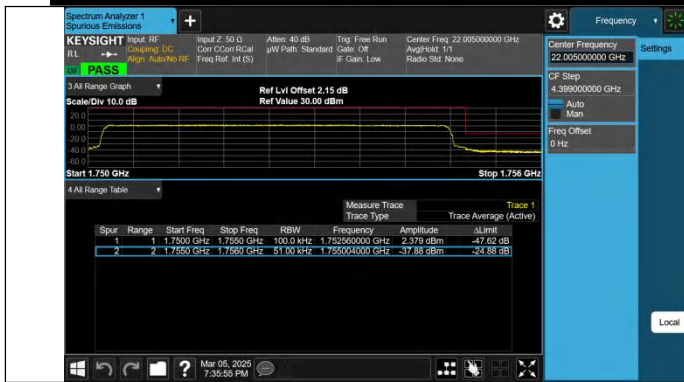


Band4-5MHz-QPSK-19975-1RB#24-PASS



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

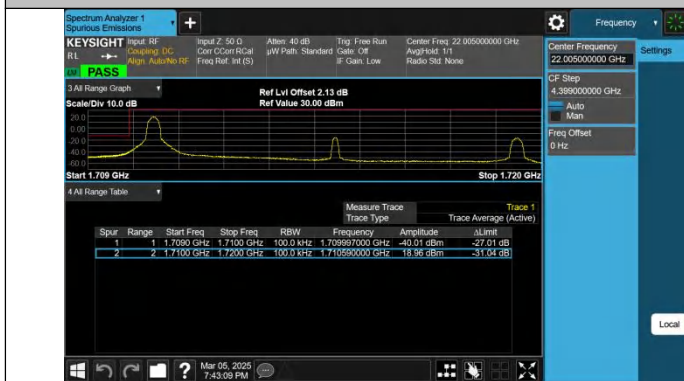




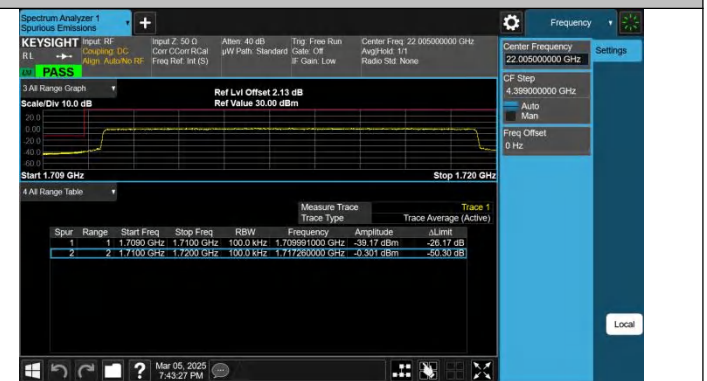
Band4-5MHz-QPSK-20375-25RB#0-PASS



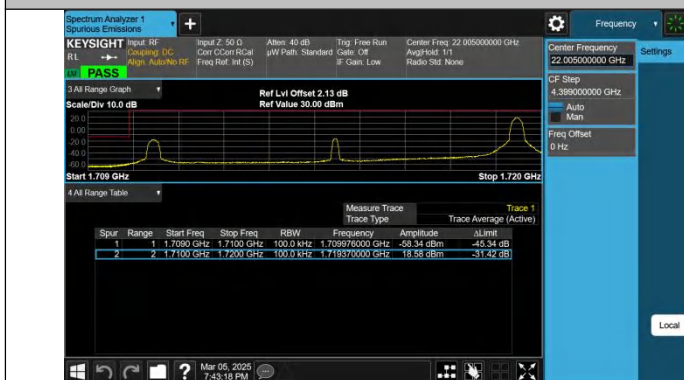
Band4-5MHz-QPSK-20375-1RB#24-PASS



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



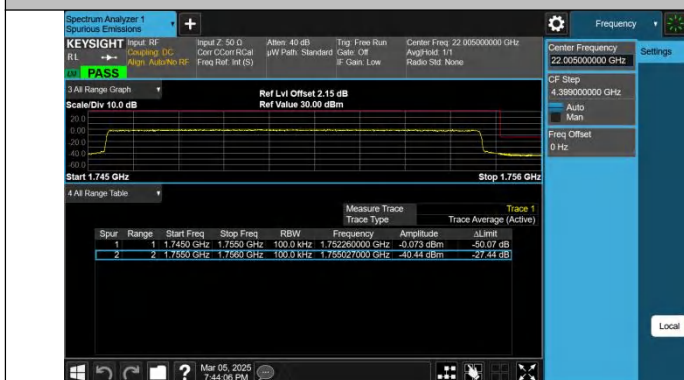
Band4-10MHz-QPSK-20000-50RB#0-PASS



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



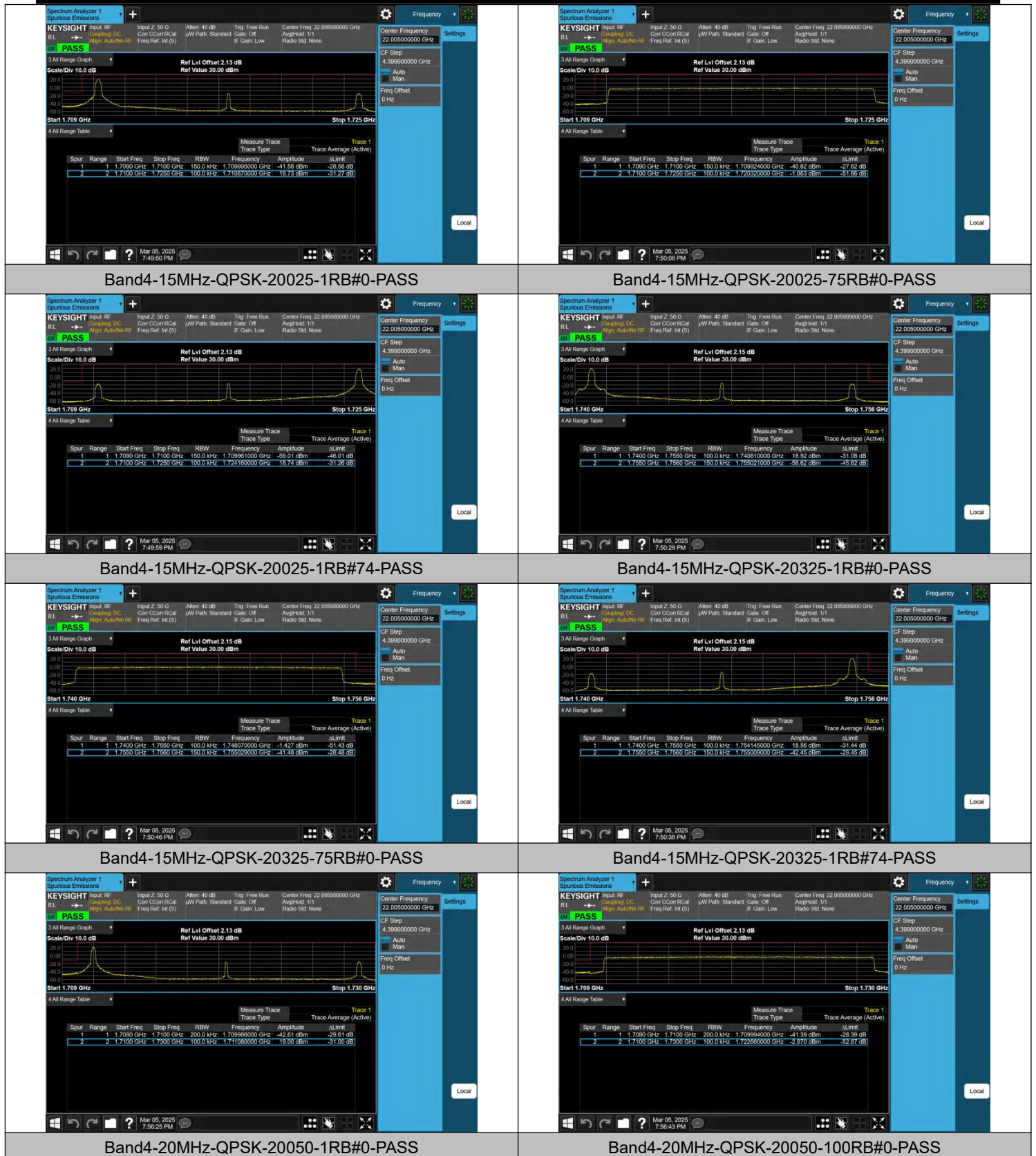
Band4-10MHz-QPSK-20350-1RB#0-PASS

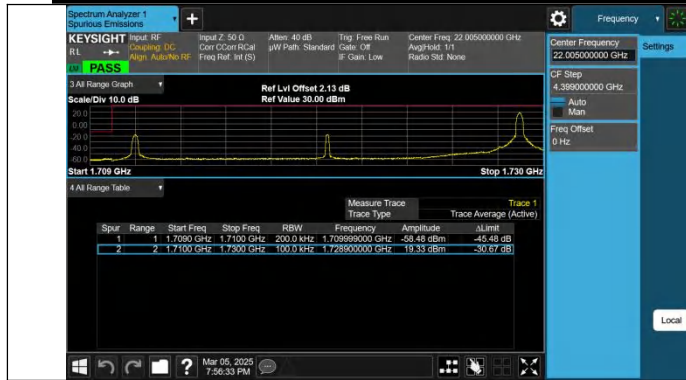


Band4-10MHz-QPSK-20350-50RB#0-PASS

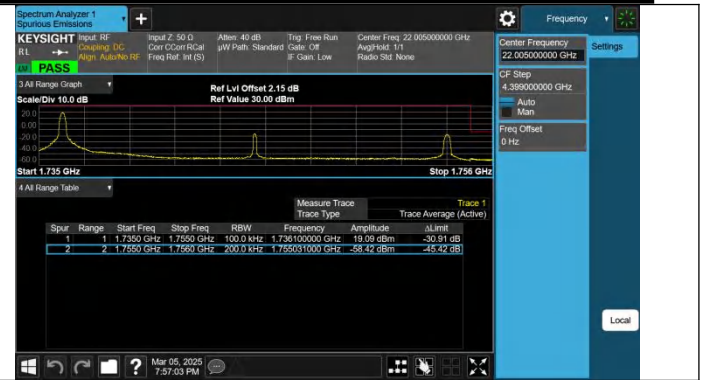


Band4-10MHz-QPSK-20350-1RB#49-PASS

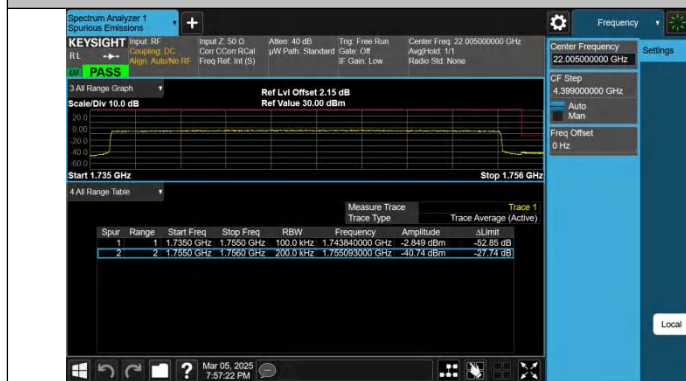




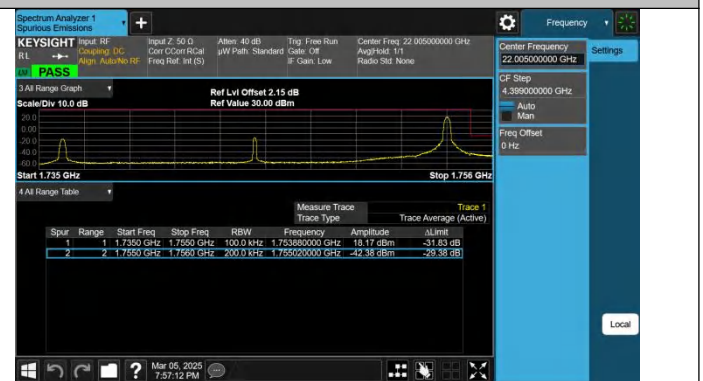
Band4-20MHz-QPSK-20050-1RB#99-PASS



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



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



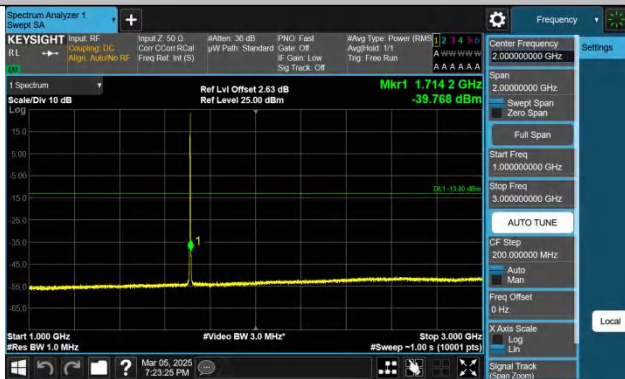
Band4-20MHz-QPSK-20300-1RB#99-PASS

Conducted Spurious Emission

Test Graphs



Band4-1.4MHz-QPSK-19957-1RB#5-0.15~30-PASS



Band4-1.4MHz-QPSK-19957-1RB#5-30~1000-PASS



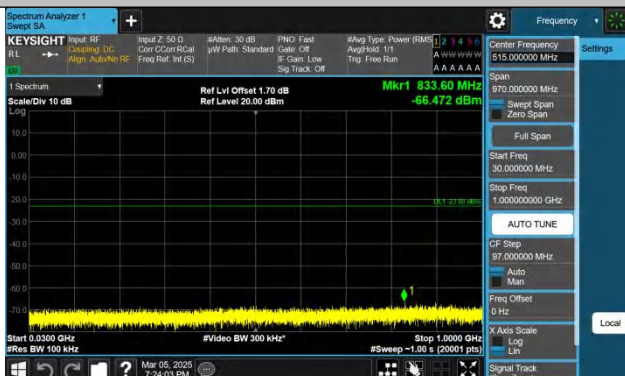
Band4-1.4MHz-QPSK-19957-1RB#5-1000~3000-PASS



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

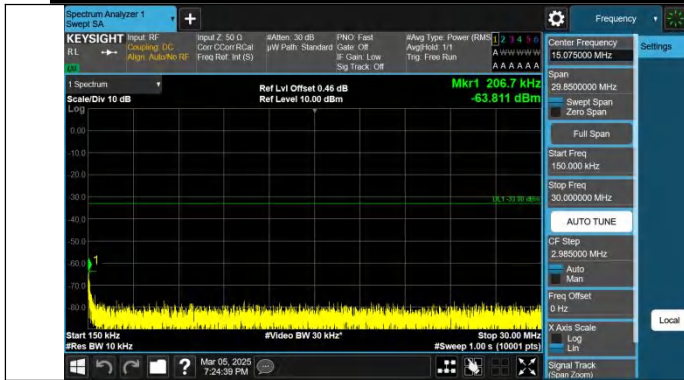


Band4-1.4MHz-QPSK-20175-1RB#0-1000~3000-PASS

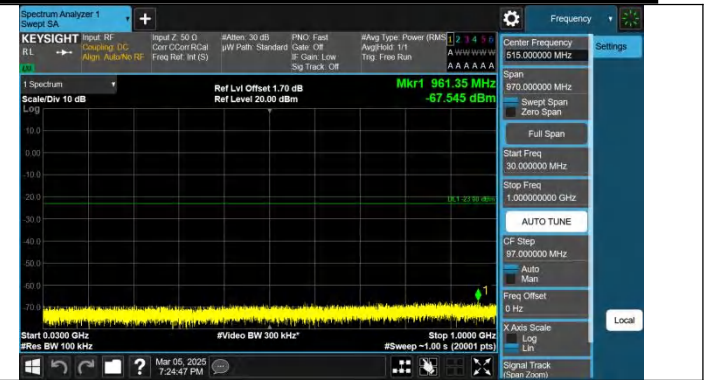


Band4-1.4MHz-QPSK-20175-1RB#0-3000~20000-PASS

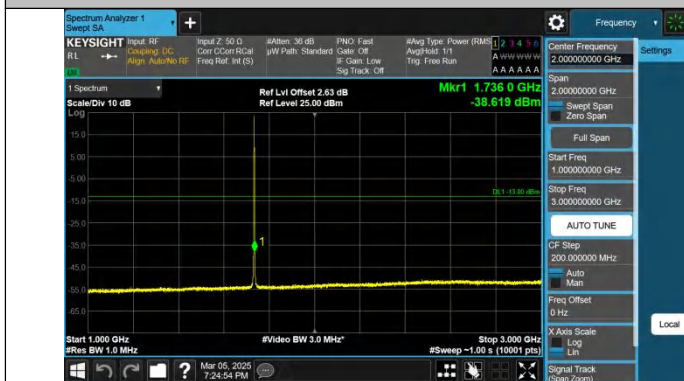
Band4-1.4MHz-QPSK-20175-1RB#5-0.009~0.15-PASS



Band4-1.4MHz-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



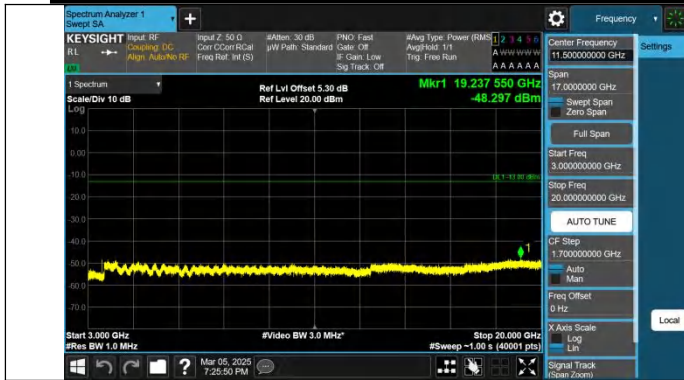
Band4-1.4MHz-QPSK-20393-1RB#0-0.15~30-PASS



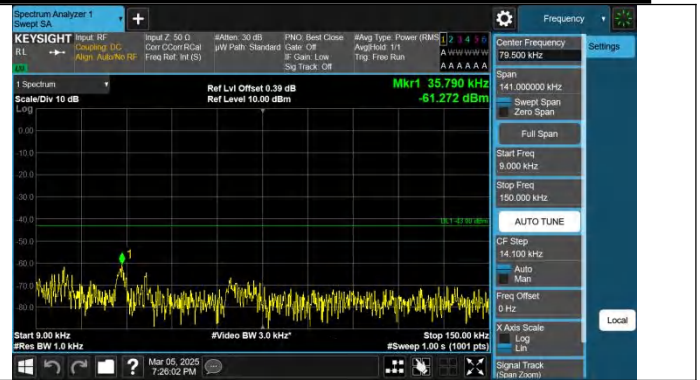
Band4-1.4MHz-QPSK-20393-1RB#0-30~1000-PASS



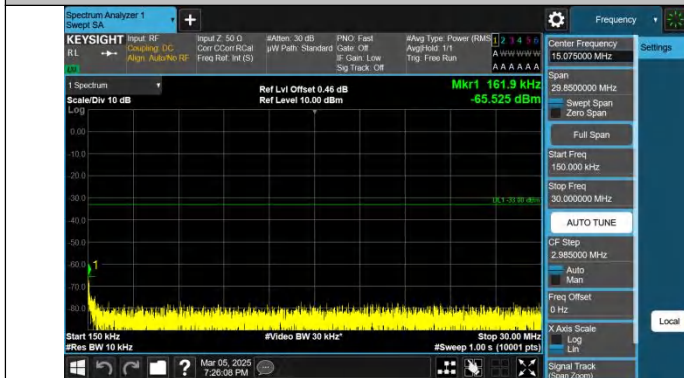
Band4-1.4MHz-QPSK-20393-1RB#0-1000~3000-PASS



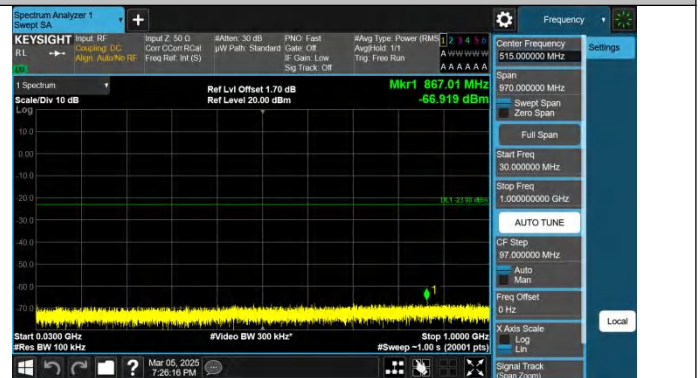
Band4-1.4MHz-QPSK-20393-1RB#0-3000~20000-PASS



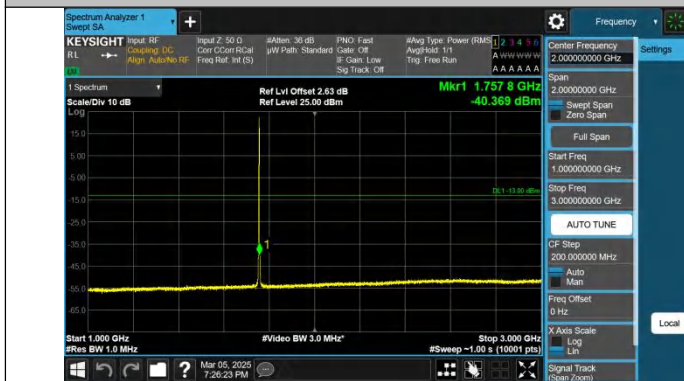
Band4-1.4MHz-QPSK-20393-1RB#5-0.009~0.15-PASS



Band4-1.4MHz-QPSK-20393-1RB#5-0.15~30-PASS



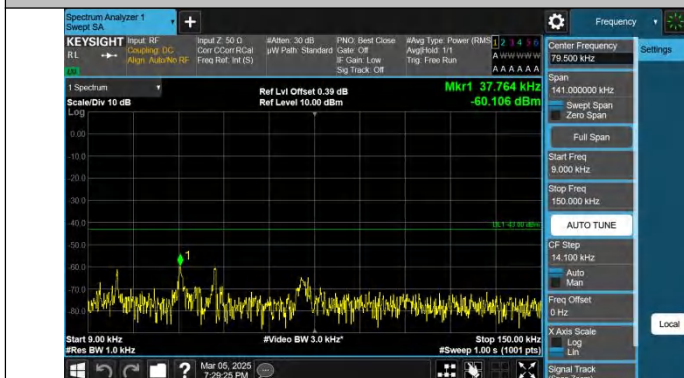
Band4-1.4MHz-QPSK-20393-1RB#5-30~1000-PASS



Band4-1.4MHz-QPSK-20393-1RB#5-1000~3000-PASS



Band4-1.4MHz-QPSK-20393-1RB#5-3000~20000-PASS



Band4-3MHz-QPSK-19965-1RB#0-0.009~0.15-PASS



Band4-3MHz-QPSK-19965-1RB#0-0.15~30-PASS