

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	23.26	2	25.26	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.52	2	24.52	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.41	2	25.41	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.50	2	25.5	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.37	2	25.37	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.52	2	24.52	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.36	2	25.36	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	22.40	2	24.4	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.18	2	25.18	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.15	2	25.15	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.47	2	24.47	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.61	2	23.61	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.04	2	25.04	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.58	2	24.58	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.67	2	24.67	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.59	2	23.59	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.82	2	24.82	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.43	2	24.43	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.04	2	24.04	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.32	2	23.32	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.30	2	24.3	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.16	2	24.16	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.33	2	25.33	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.53	2	24.53	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.31	2	25.31	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.28	2	25.28	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.38	2	25.38	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.52	2	24.52	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.37	2	25.37	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.50	2	25.5	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.32	2	25.32	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.23	2	24.23	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.11	2	25.11	30	PASS

Band4	3MHz	QPSK	20385	1RB#14	23.19	2	25.19	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.23	2	24.23	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.74	2	23.74	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.62	2	24.62	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.49	2	24.49	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.47	2	24.47	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.62	2	23.62	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.67	2	24.67	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.09	2	24.09	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.32	2	24.32	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.21	2	23.21	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.01	2	24.01	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.06	2	24.06	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.46	2	25.46	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.37	2	24.37	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.33	2	25.33	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.17	2	25.17	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.33	2	25.33	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.43	2	24.43	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.28	2	25.28	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.30	2	25.3	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.31	2	25.31	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.32	2	24.32	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.34	2	25.34	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.38	2	25.38	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.39	2	24.39	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.47	2	23.47	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.45	2	24.45	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.20	2	24.2	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.24	2	24.24	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.42	2	23.42	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.86	2	23.86	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.05	2	24.05	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.23	2	24.23	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.45	2	23.45	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.18	2	24.18	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.32	2	24.32	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.35	2	25.35	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.45	2	24.45	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.23	2	25.23	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.33	2	25.33	30	PASS

Band4	10MHz	QPSK	20175	1RB#0	23.32	2	25.32	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.41	2	24.41	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.51	2	25.51	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.17	2	25.17	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.13	2	25.13	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.36	2	24.36	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.20	2	25.2	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.28	2	25.28	30	PASS
Band4	10MHz	16QAM	20000	27RB#0	21.38	2	23.38	30	PASS
Band4	10MHz	16QAM	20175	27RB#0	21.34	2	23.34	30	PASS
Band4	10MHz	16QAM	20350	27RB#0	21.41	2	23.41	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.43	2	24.43	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.47	2	24.47	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.47	2	24.47	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.44	2	24.44	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.73	2	24.73	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.26	2	24.26	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.09	2	24.09	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.74	2	24.74	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.19	2	24.19	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.35	2	25.35	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.37	2	24.37	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.29	2	25.29	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.96	2	24.96	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.27	2	25.27	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.41	2	24.41	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.25	2	25.25	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.42	2	25.42	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.21	2	25.21	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.29	2	24.29	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.12	2	25.12	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.05	2	25.05	30	PASS
Band4	15MHz	16QAM	20025	27RB#0	21.43	2	23.43	30	PASS
Band4	15MHz	16QAM	20175	27RB#0	21.54	2	23.54	30	PASS
Band4	15MHz	16QAM	20325	27RB#0	21.44	2	23.44	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.46	2	24.46	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.33	2	24.33	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.37	2	24.37	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.45	2	24.45	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.45	2	24.45	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.46	2	24.46	30	PASS

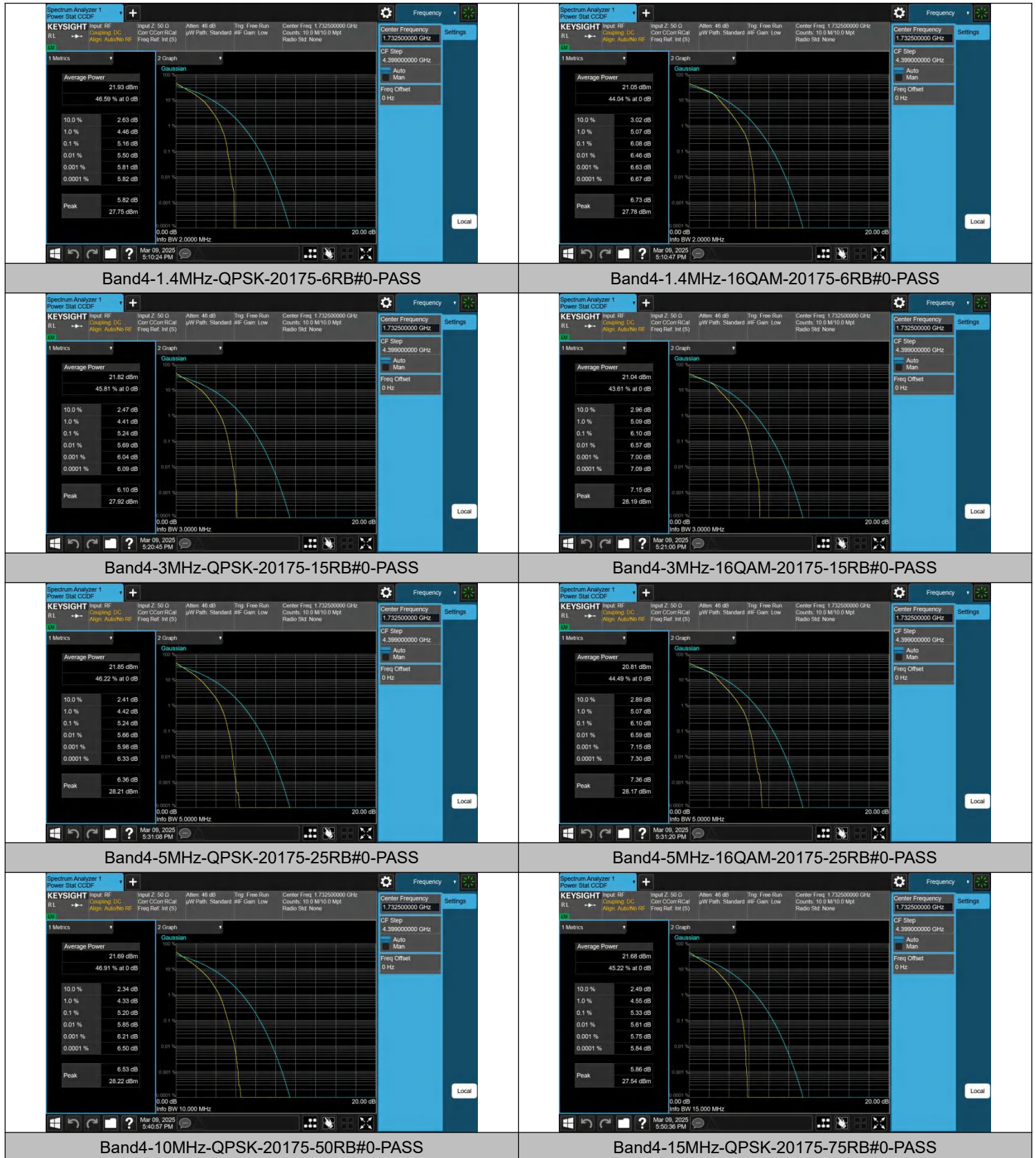
Band4	15MHz	16QAM	20325	1RB#0	22.32	2	24.32	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.16	2	24.16	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.21	2	24.21	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.32	2	25.32	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.49	2	24.49	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.16	2	25.16	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.23	2	25.23	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.33	2	25.33	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.45	2	24.45	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.65	2	25.65	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.18	2	25.18	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.54	2	25.54	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.54	2	24.54	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.20	2	25.2	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.12	2	25.12	30	PASS
Band4	20MHz	16QAM	20050	27RB#0	21.42	2	23.42	30	PASS
Band4	20MHz	16QAM	20175	27RB#0	21.61	2	23.61	30	PASS
Band4	20MHz	16QAM	20300	27RB#0	21.61	2	23.61	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.31	2	24.31	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.41	2	24.41	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.19	2	24.19	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.36	2	24.36	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.04	2	25.04	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.27	2	24.27	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.10	2	25.1	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.16	2	25.16	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.69	2	24.69	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	5.16	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.08	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.24	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.10	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.24	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.10	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.20	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.33	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.09	13	PASS
Band4	10MHz	16QAM	20175	27RB#0	5.90	13	PASS
Band4	15MHz	16QAM	20175	27RB#0	5.84	13	PASS
Band4	20MHz	16QAM	20175	27RB#0	5.78	13	PASS

Test Graphs

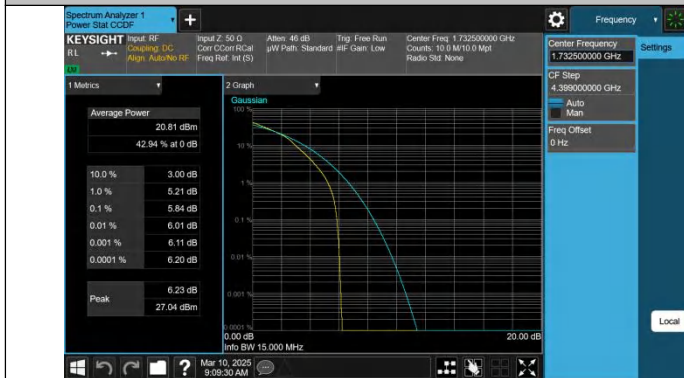




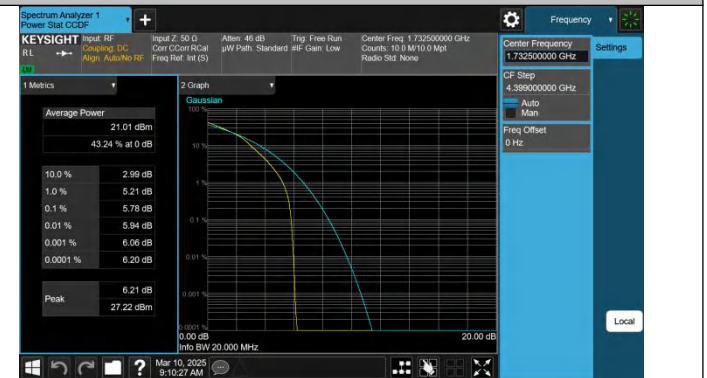
Band4-20MHz-QPSK-20175-100RB#0-PASS



Band4-10MHz-16QAM-20175-27RB#0-PASS



Band4-15MHz-16QAM-20175-27RB#0-PASS



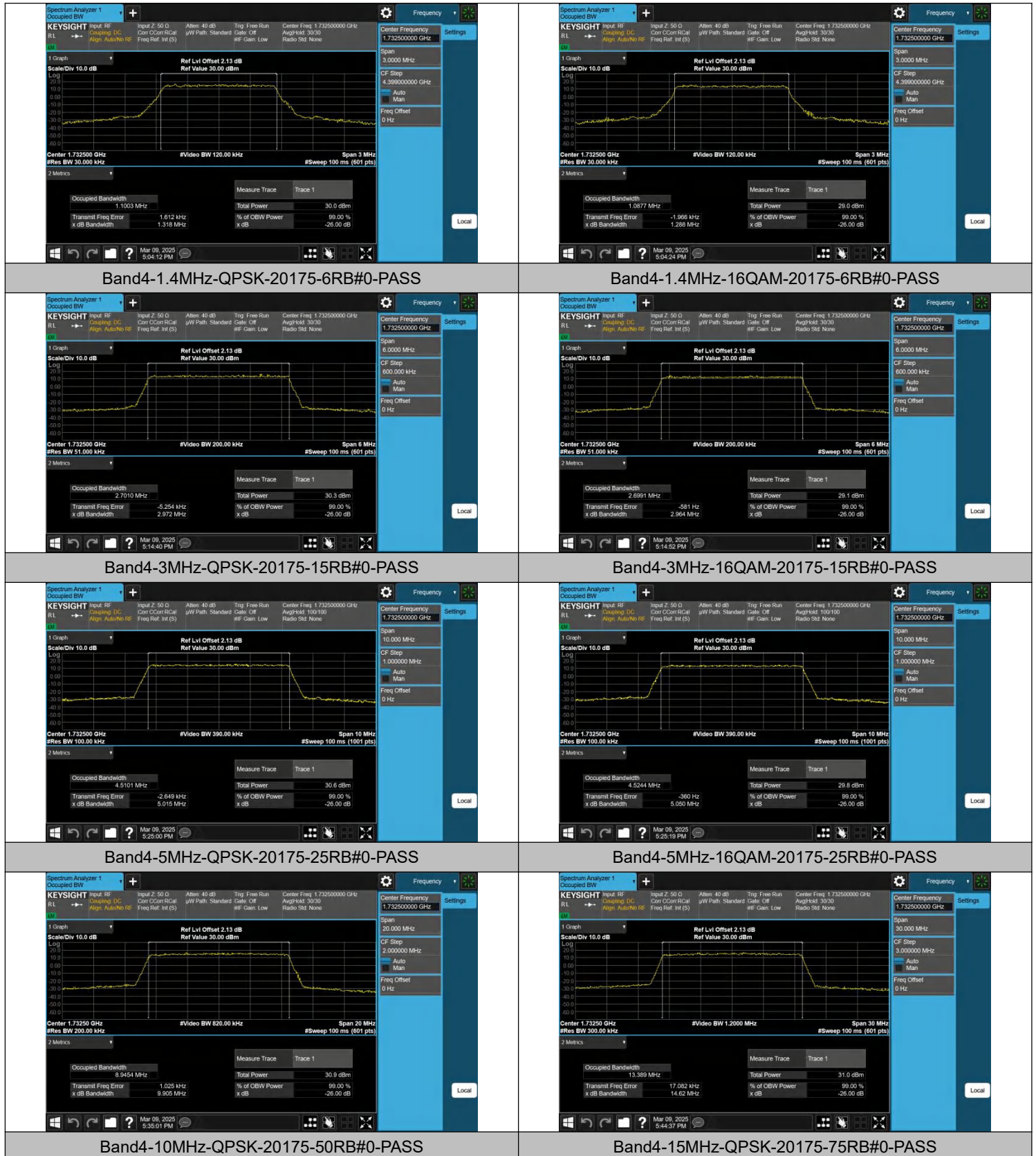
Band4-20MHz-16QAM-20175-27RB#0-PASS

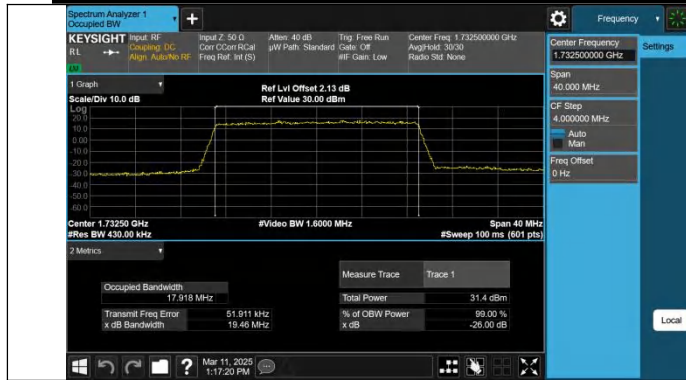
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	1.1003	1.318	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0877	1.288	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7010	2.972	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6991	2.964	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5101	5.015	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5244	5.050	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9454	9.905	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.389	14.62	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.918	19.46	PASS
Band4	10MHz	16QAM	20175	27RB#0	4.9786	5.809	PASS
Band4	15MHz	16QAM	20175	27RB#0	5.1031	6.138	PASS
Band4	20MHz	16QAM	20175	27RB#0	5.2580	6.988	PASS

Test Graphs





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



Band4-10MHz-16QAM-20175-27RB#0-PASS



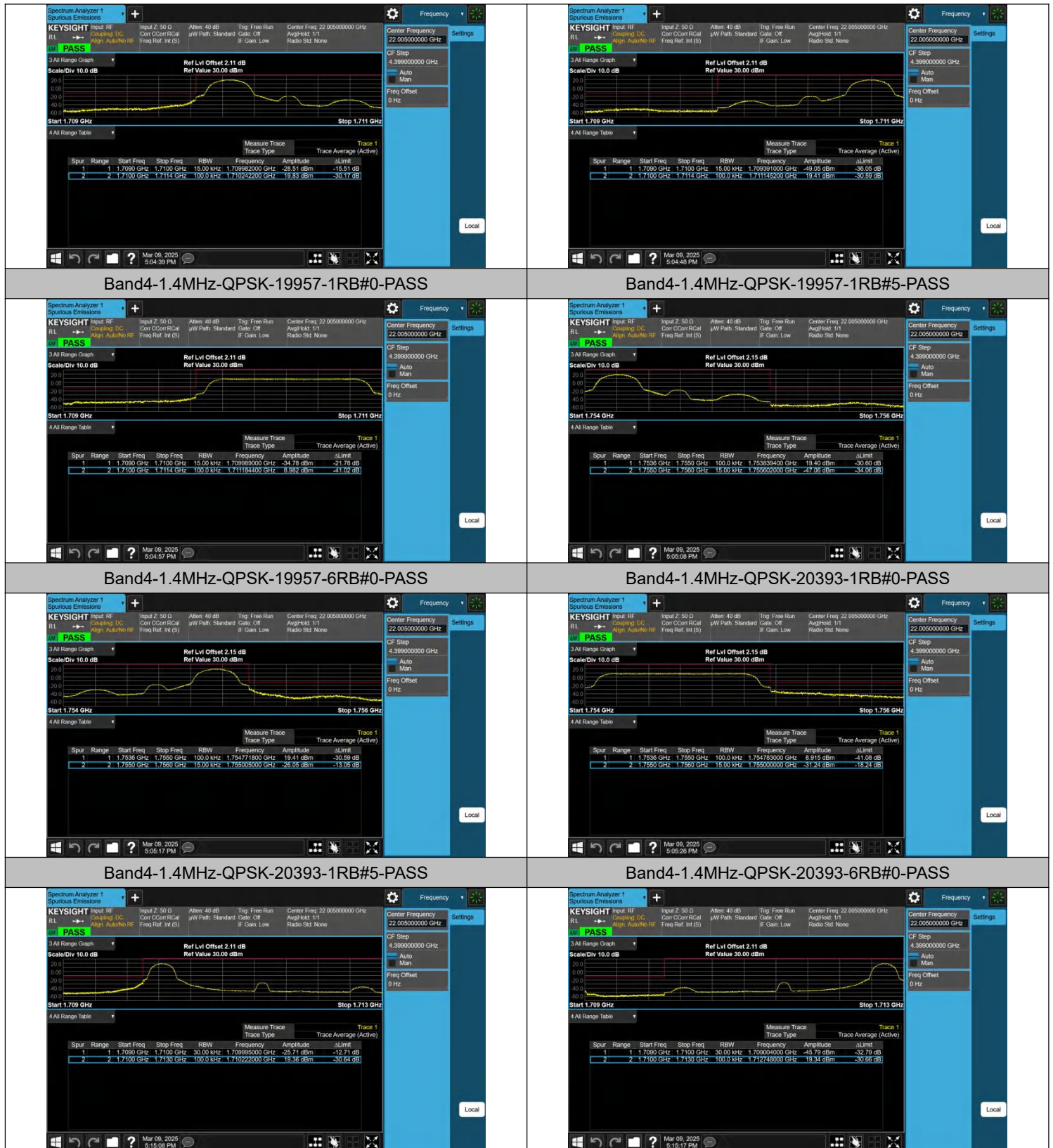
Band4-15MHz-16QAM-20175-27RB#0-PASS



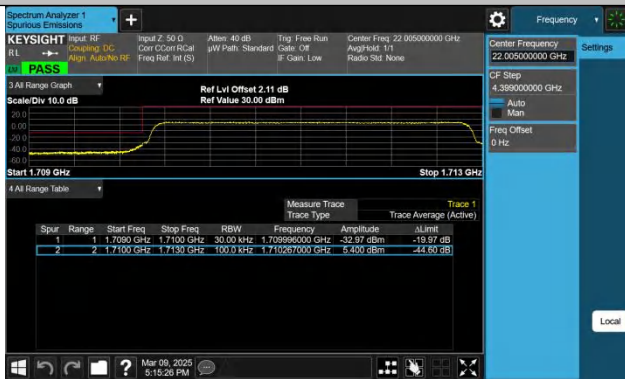
Band4-20MHz-16QAM-20175-27RB#0-PASS

Band Edge

Test Graphs



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



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



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



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



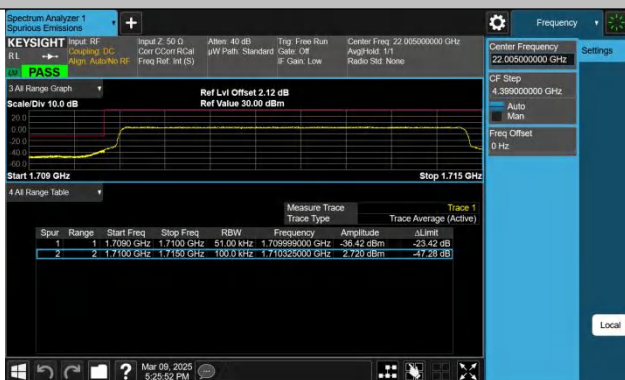
Band4-3MHz-QPSK-20385-1RB#14-PASS



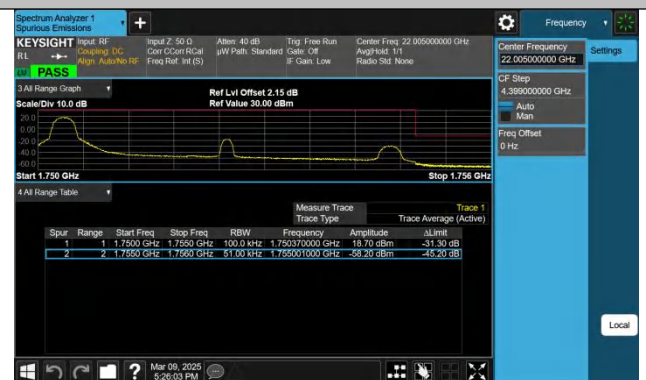
Band4-3MHz-QPSK-20385-15RB#0-PASS



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

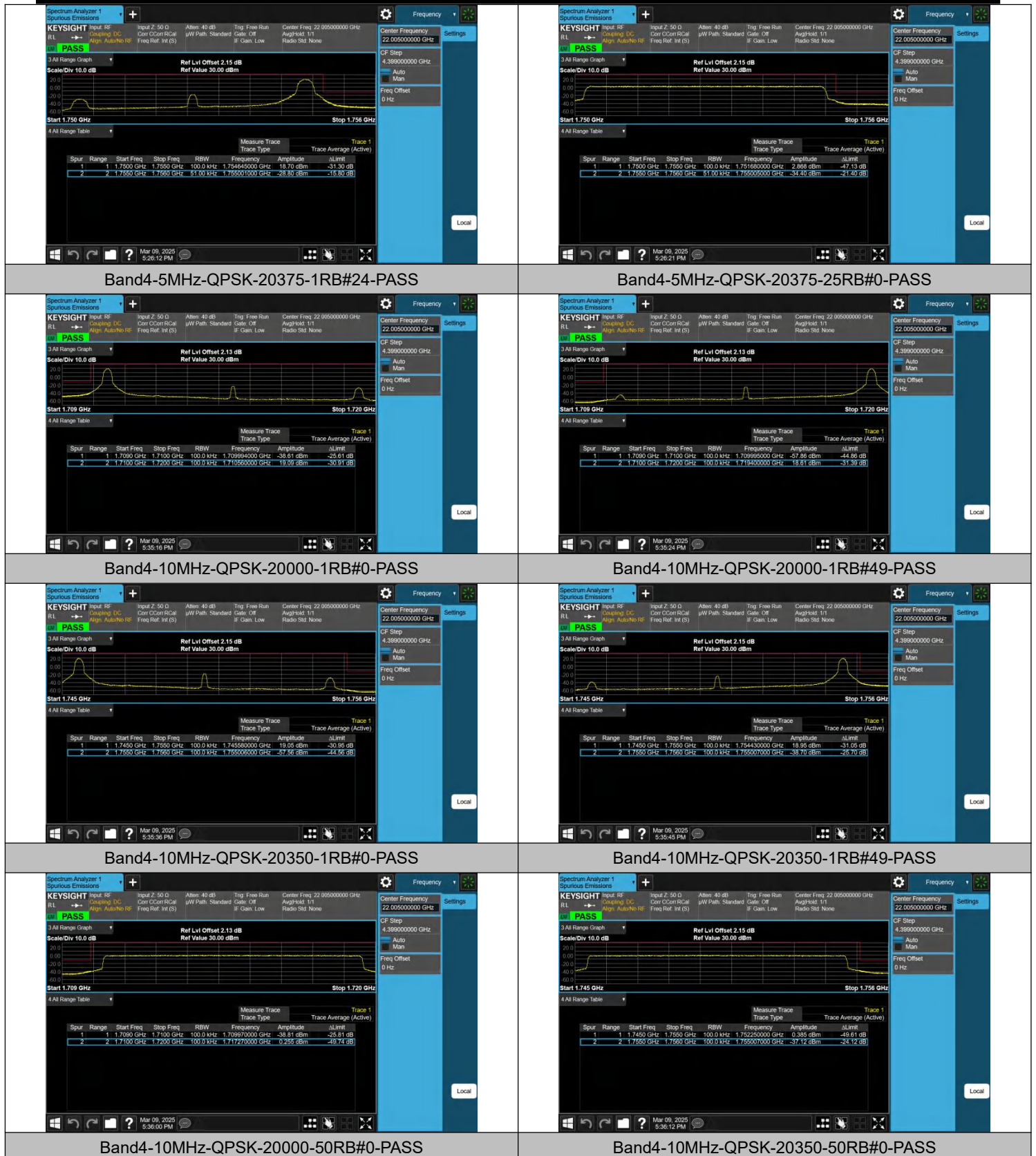


Band4-5MHz-QPSK-19975-1RB#24-PASS



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

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





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



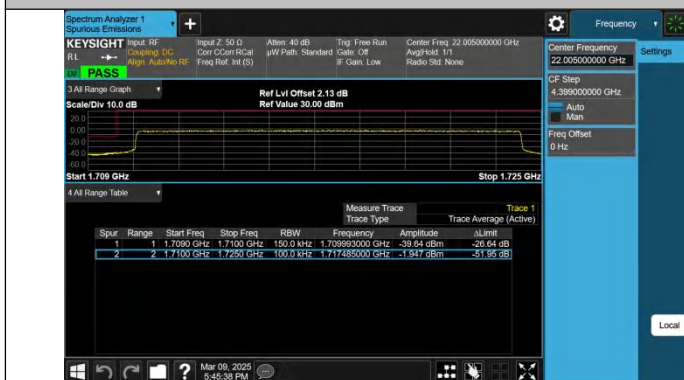
Band4-15MHz-QPSK-20025-1RB#74-PASS



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



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



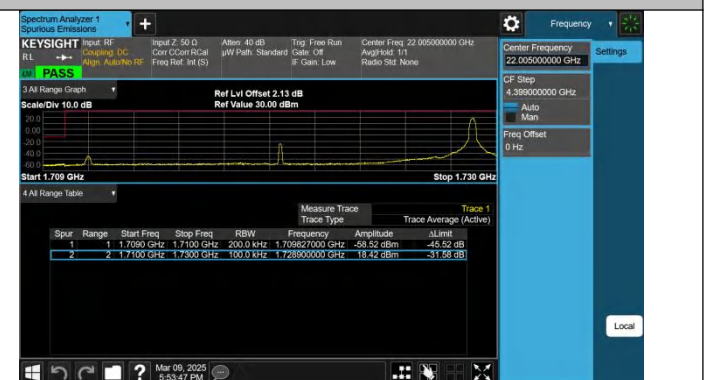
Band4-15MHz-QPSK-20025-75RB#0-PASS



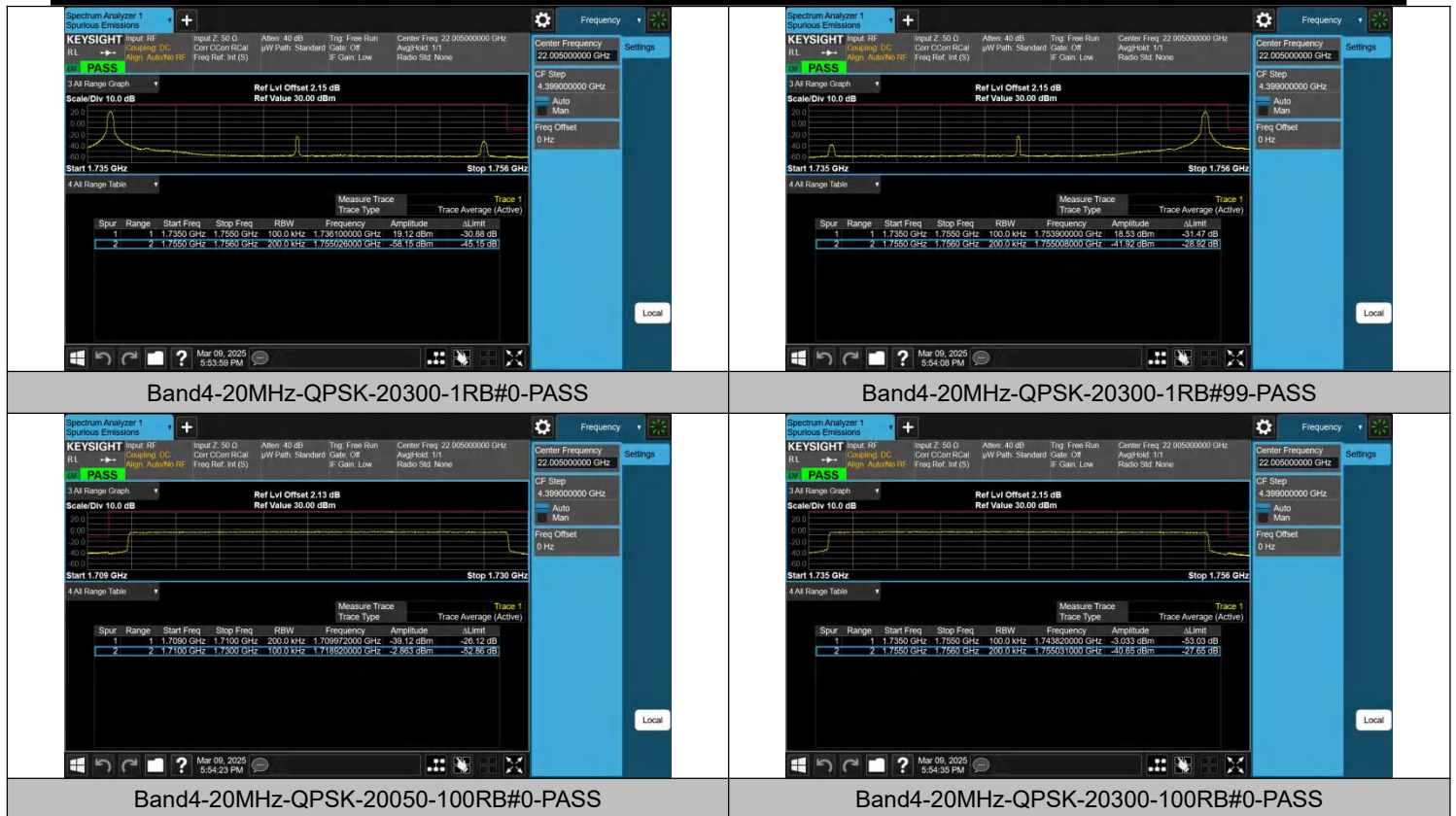
Band4-15MHz-QPSK-20325-75RB#0-PASS



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



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

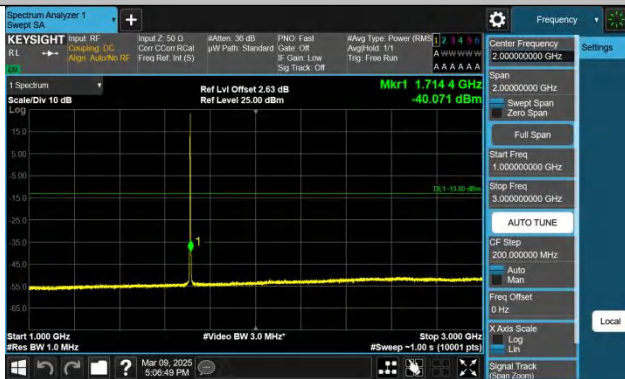


Conducted Spurious Emission

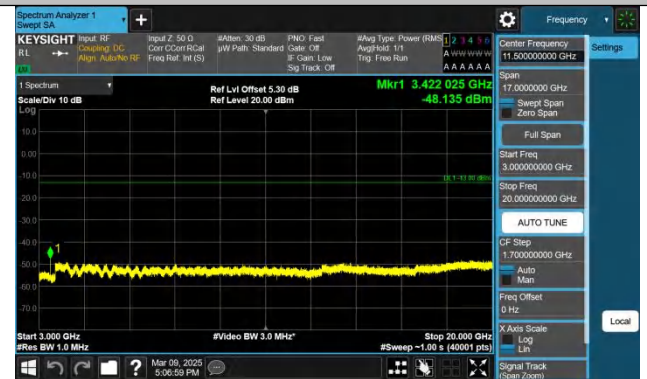
Test Graphs



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



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



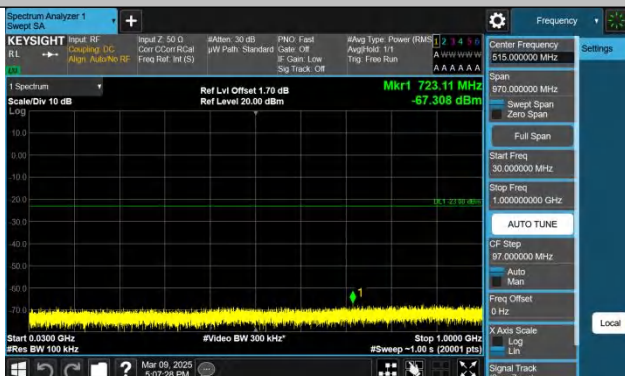
Band4-1.4MHz-QPSK-19957-1RB#5-1000~3000-PASS



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



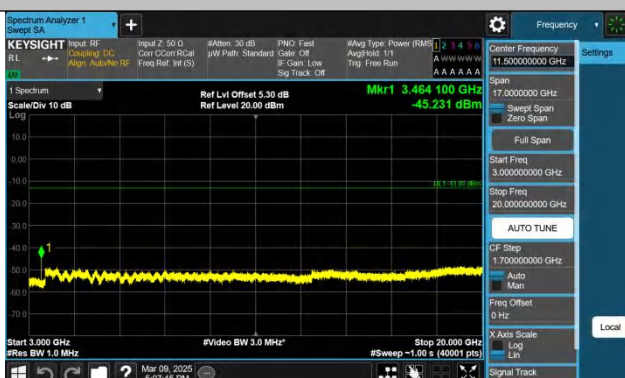
Band4-1.4MHz-QPSK-20175-1RB#0-0.009~0.15-PASS



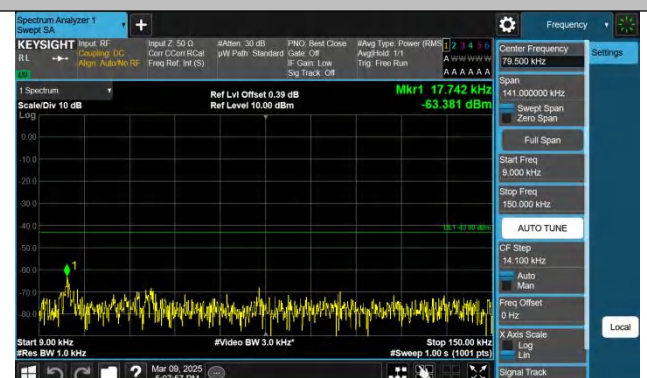
Band4-1.4MHz-QPSK-20175-1RB#0-0.15~30-PASS



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

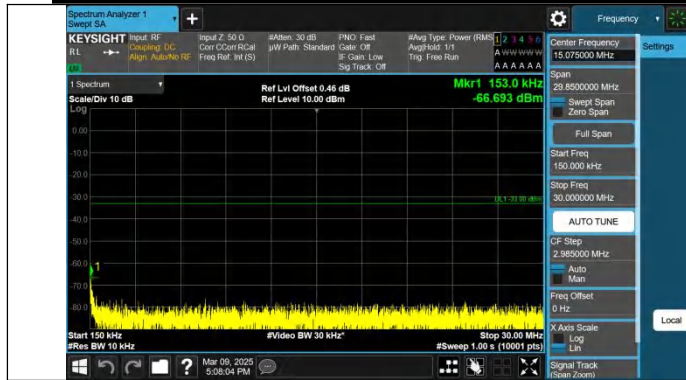


Band4-1.4MHz-QPSK-20175-1RB#0-1000~3000-PASS

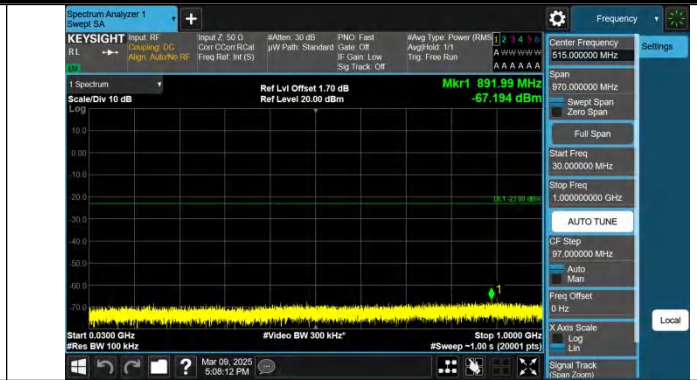


Band4-1.4MHz-QPSK-20175-1RB#0-3000~20000-PASS

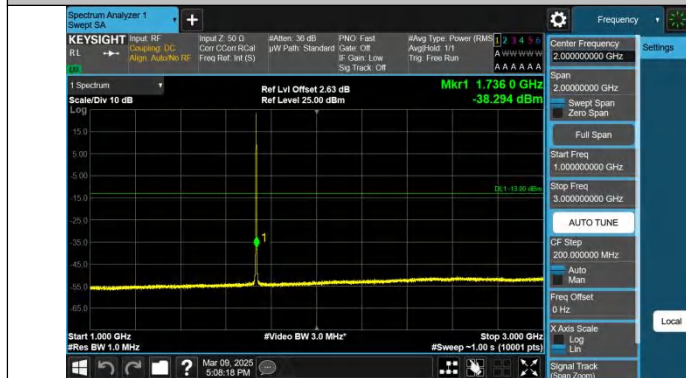
Band4-1.4MHz-QPSK-20175-1RB#5-0.009~0.15-PASS



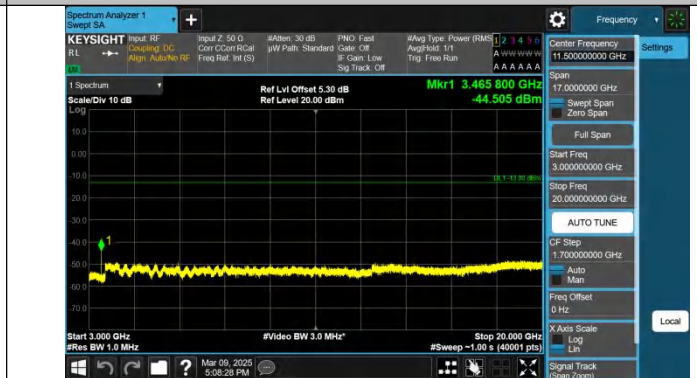
Band4-1.4MHz-QPSK-20175-1RB#5-0.15~30-PASS



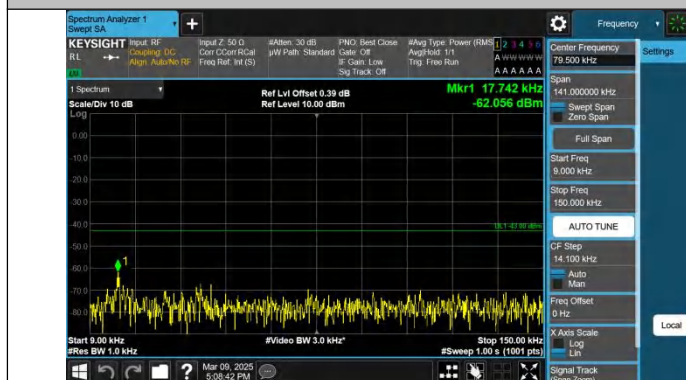
Band4-1.4MHz-QPSK-20175-1RB#5-30~1000-PASS



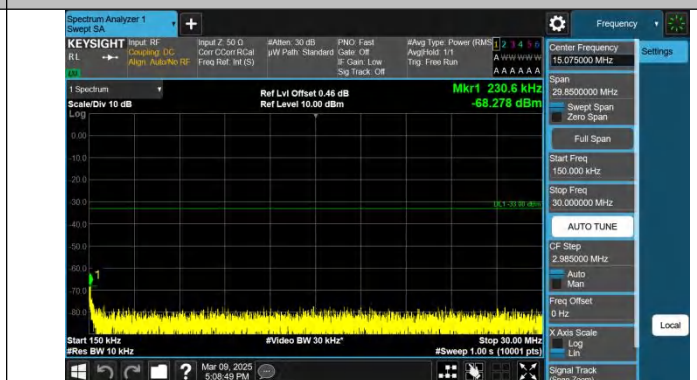
Band4-1.4MHz-QPSK-20175-1RB#5-1000~3000-PASS



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