

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	22.96	2	24.96	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.23	2	24.23	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.92	2	24.92	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.94	2	24.94	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.21	2	25.21	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.2	2	24.2	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.32	2	25.32	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.17	2	25.17	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.18	2	25.18	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.37	2	24.37	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.09	2	25.09	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.24	2	25.24	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.83	2	23.83	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.09	2	23.09	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.43	2	24.43	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.18	2	24.18	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.26	2	24.26	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.3	2	23.3	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.72	2	24.72	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.11	2	24.11	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.41	2	24.41	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.26	2	23.26	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.18	2	24.18	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.32	2	24.32	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.03	2	25.03	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.44	2	24.44	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.13	2	25.13	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.23	2	25.23	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.41	2	25.41	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.35	2	24.35	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.18	2	25.18	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.26	2	25.26	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.16	2	25.16	30	PASS

Band4	3MHz	QPSK	20385	15RB#0	22.36	2	24.36	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.25	2	25.25	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.27	2	25.27	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.35	2	24.35	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.47	2	23.47	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.47	2	24.47	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.16	2	24.16	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.21	2	24.21	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.38	2	23.38	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.9	2	23.9	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.18	2	24.18	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.24	2	24.24	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.21	2	23.21	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.14	2	24.14	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.41	2	24.41	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.28	2	25.28	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.39	2	24.39	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.31	2	25.31	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.05	2	25.05	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.2	2	25.2	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.31	2	24.31	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.27	2	25.27	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.33	2	25.33	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.28	2	25.28	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.32	2	24.32	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.35	2	25.35	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.54	2	25.54	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.73	2	23.73	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.43	2	23.43	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.25	2	24.25	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.1	2	24.1	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.7	2	23.7	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.2	2	23.2	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.01	2	24.01	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.06	2	24.06	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.39	2	24.39	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.32	2	23.32	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.44	2	24.44	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.63	2	24.63	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.14	2	25.14	30	PASS

Band4	10MHz	QPSK	20000	50RB#0	22.35	2	24.35	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.19	2	25.19	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.08	2	25.08	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.06	2	25.06	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.29	2	24.29	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.4	2	25.4	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.9	2	24.9	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.09	2	25.09	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.34	2	24.34	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.41	2	25.41	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.14	2	25.14	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.22	2	24.22	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.37	2	23.37	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.72	2	24.72	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.22	2	24.22	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.25	2	24.25	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.19	2	23.19	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.84	2	24.84	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.34	2	24.34	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.18	2	24.18	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.3	2	23.3	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.51	2	24.51	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.21	2	24.21	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.01	2	25.01	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.37	2	24.37	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.15	2	25.15	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.91	2	24.91	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.06	2	25.06	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.34	2	24.34	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.21	2	25.21	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.09	2	25.09	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.11	2	25.11	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.33	2	24.33	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.15	2	25.15	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.17	2	25.17	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.32	2	24.32	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.36	2	23.36	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.29	2	24.29	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.28	2	24.28	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.19	2	24.19	30	PASS

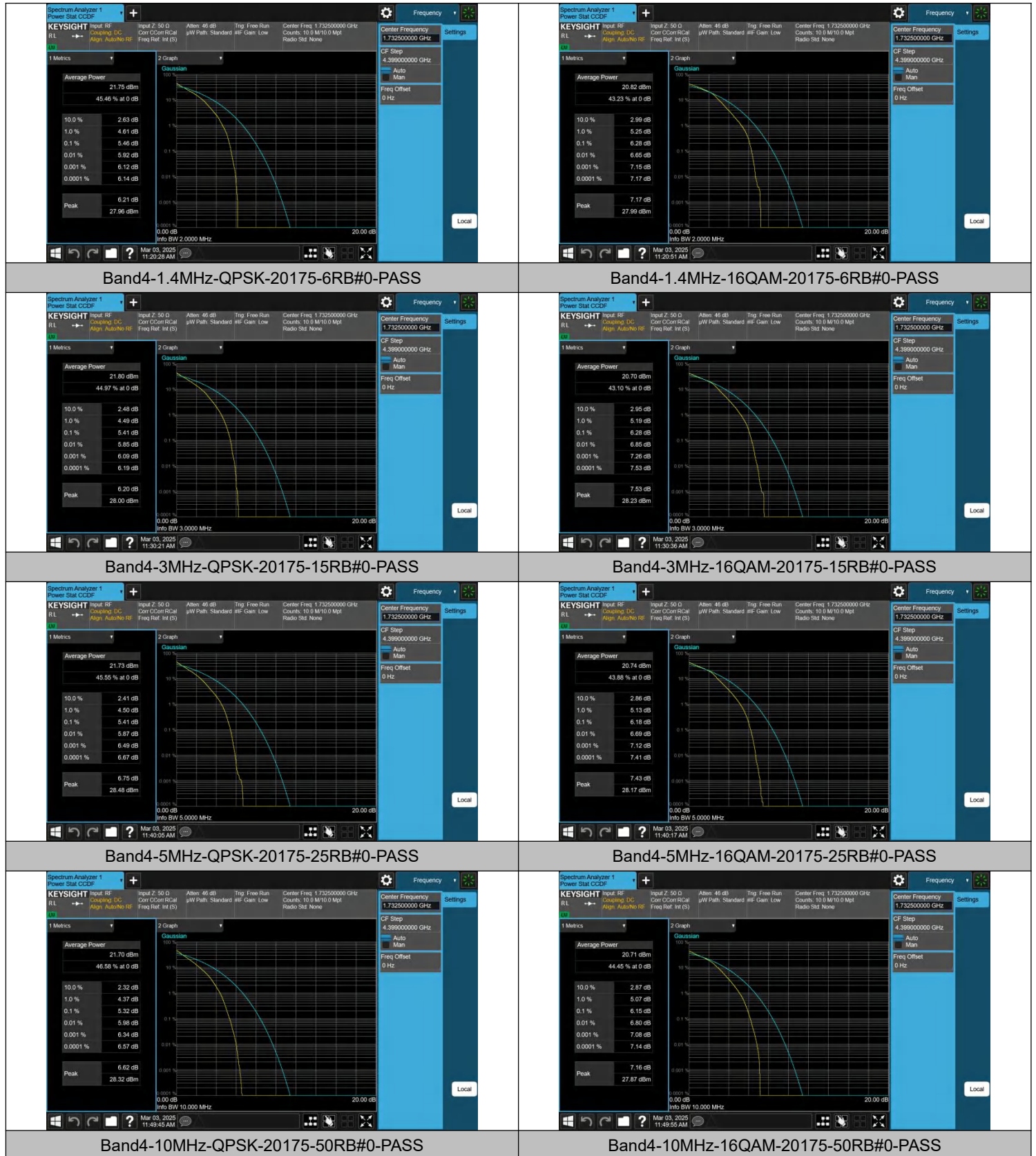
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Band4	15MHz	16QAM	20175	1RB#74	22.04	2	24.04	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.18	2	24.18	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.37	2	23.37	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.35	2	24.35	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.29	2	24.29	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.08	2	25.08	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.47	2	24.47	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.55	2	25.55	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.18	2	25.18	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.22	2	25.22	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.25	2	24.25	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.64	2	25.64	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.1	2	25.1	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.22	2	25.22	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.3	2	24.3	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.47	2	25.47	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.1	2	25.1	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.18	2	24.18	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.35	2	23.35	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.64	2	24.64	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.3	2	24.3	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.27	2	24.27	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.24	2	23.24	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.02	2	25.02	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.04	2	24.04	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.93	2	24.93	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.31	2	23.31	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.22	2	25.22	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.9	2	24.9	30	PASS

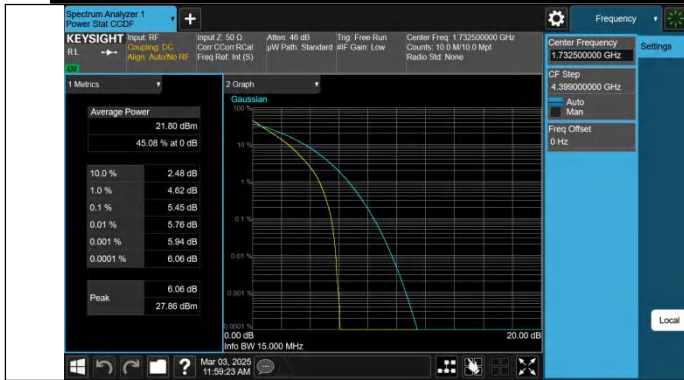
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	5.46	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.28	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.41	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.28	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.41	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.18	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.32	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.15	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.45	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.19	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.24	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.08	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



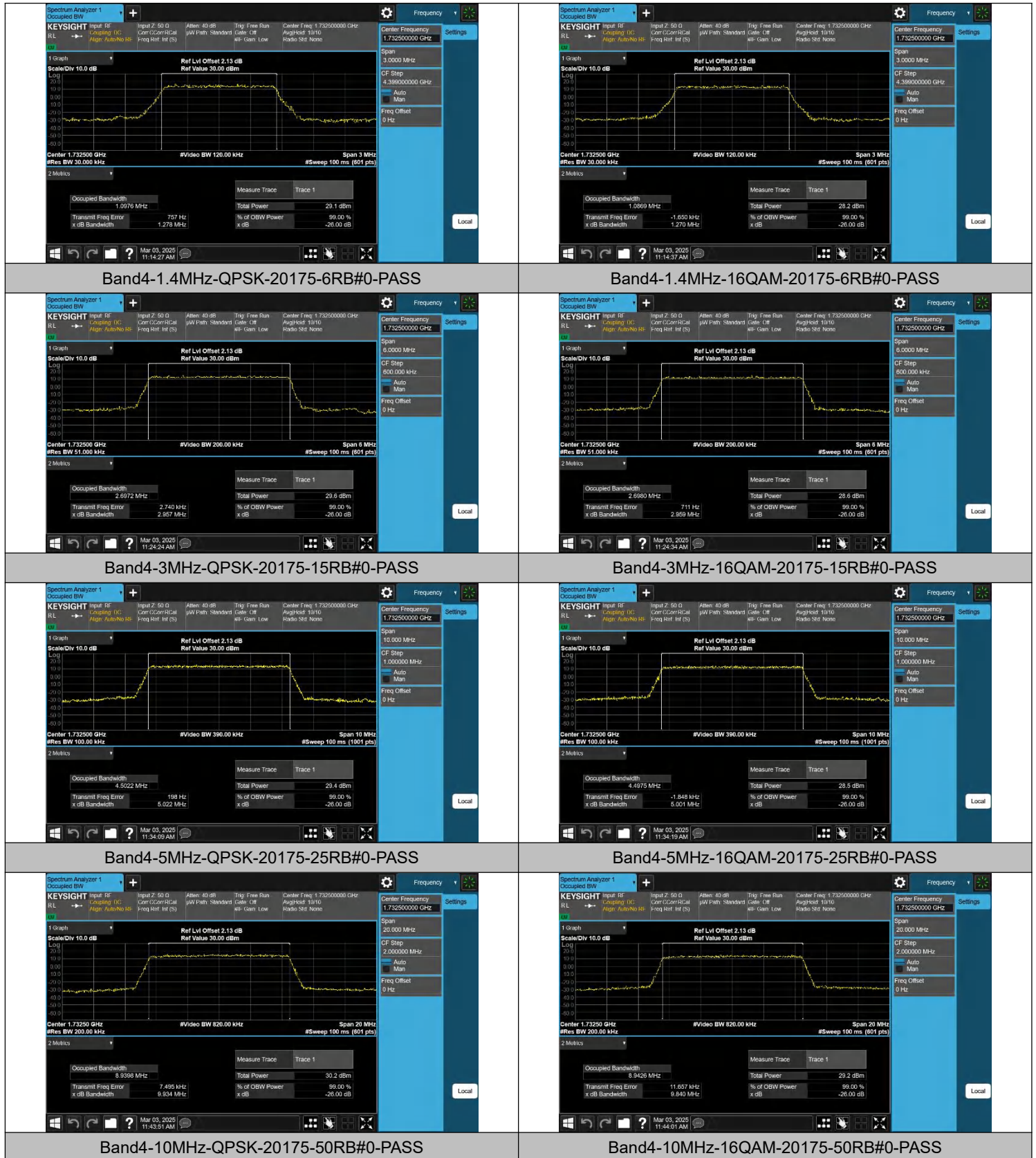
Band4-20MHz-16QAM-20175-100RB#0-PASS

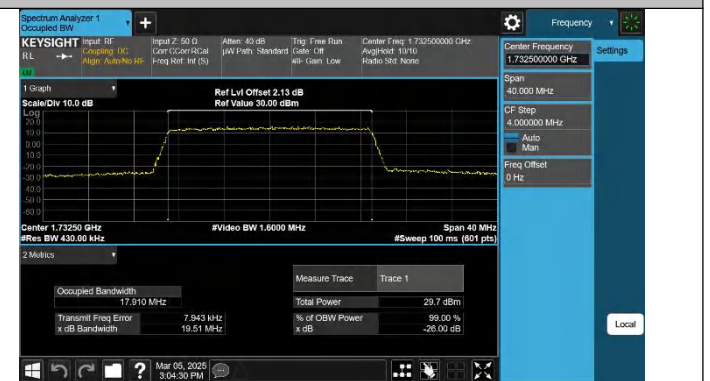
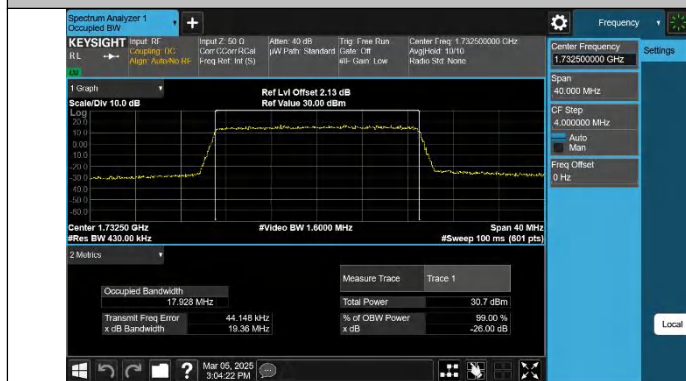
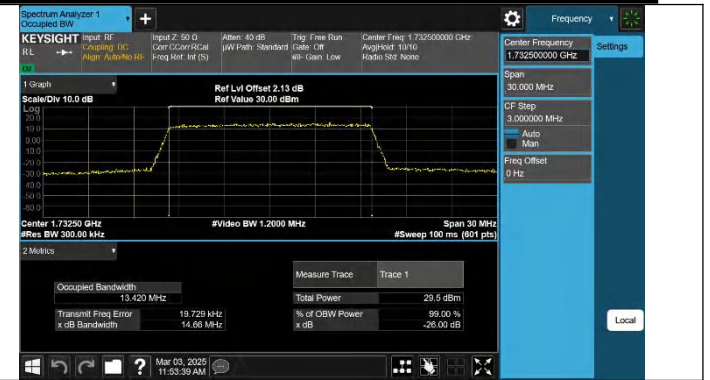
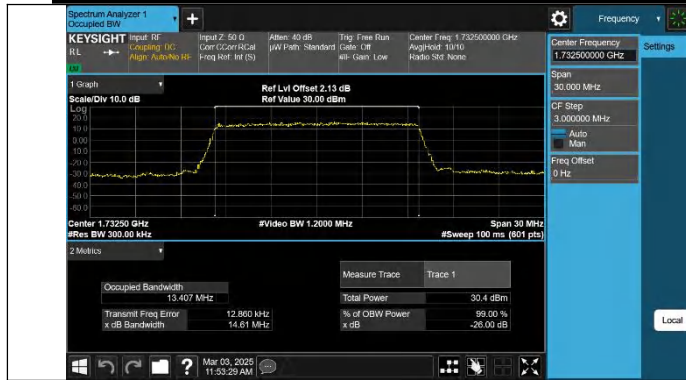
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	1.0976	1.278	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0869	1.270	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6972	2.957	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6980	2.959	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5022	5.022	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4975	5.001	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9398	9.934	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9426	9.840	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.407	14.61	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.420	14.66	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.928	19.36	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.910	19.51	PASS

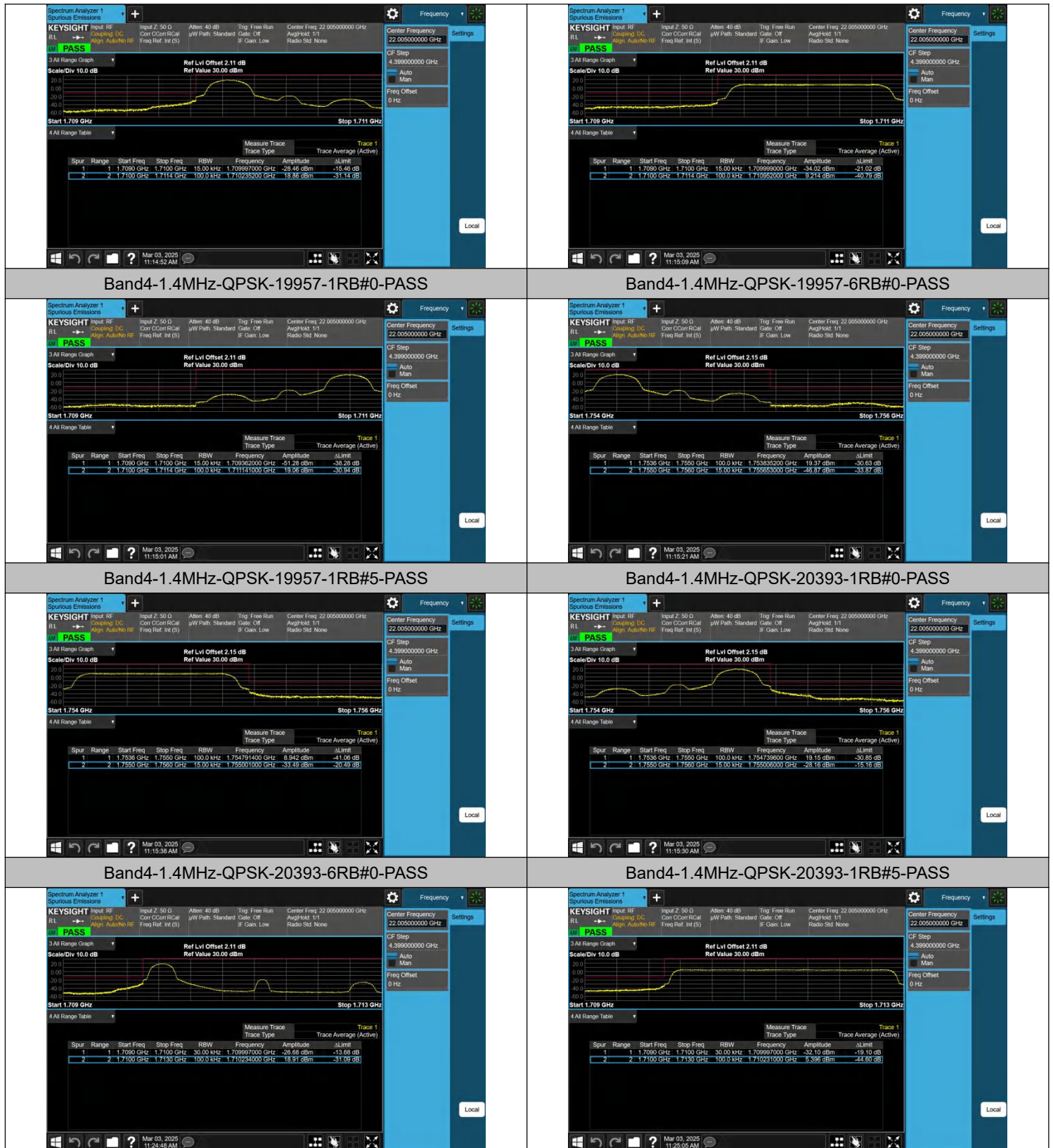
Test Graphs





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



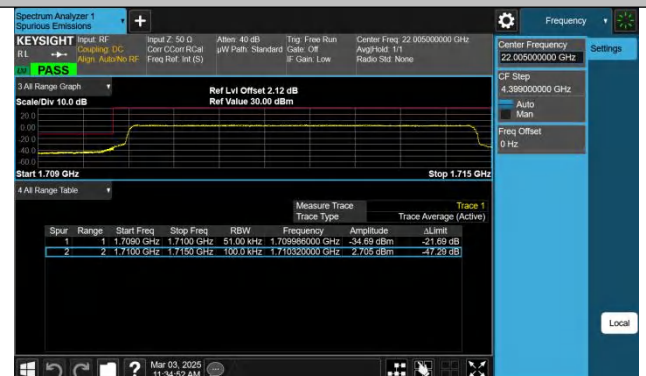
Band4-3MHz-QPSK-20385-1RB#0-PASS



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



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



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

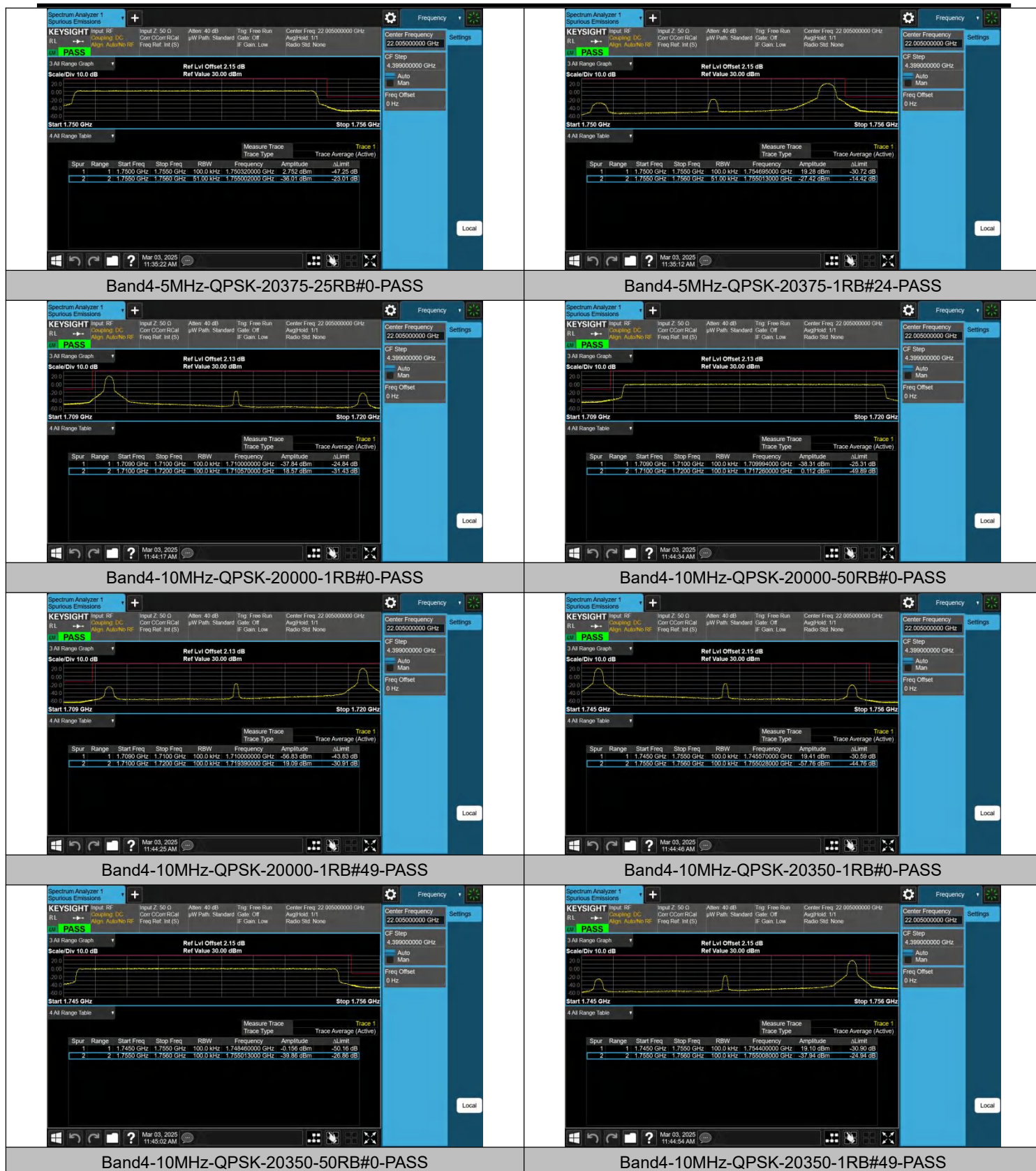


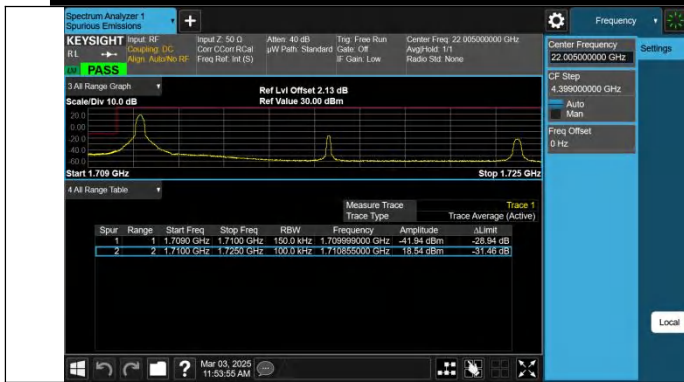
Band4-5MHz-QPSK-19975-25RB#0-PASS



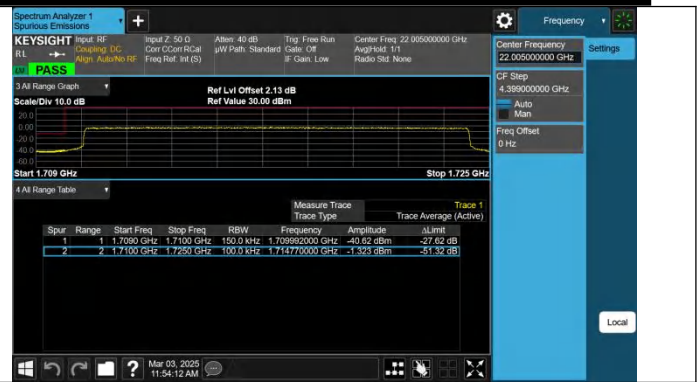
Band4-5MHz-QPSK-19975-1RB#24-PASS

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

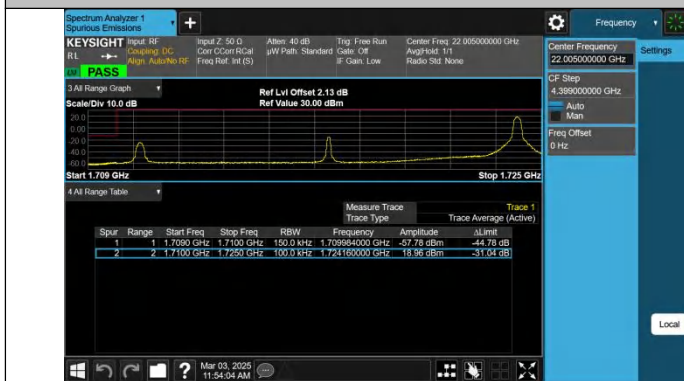




Band4-15MHz-QPSK-20025-1RB#0-PASS



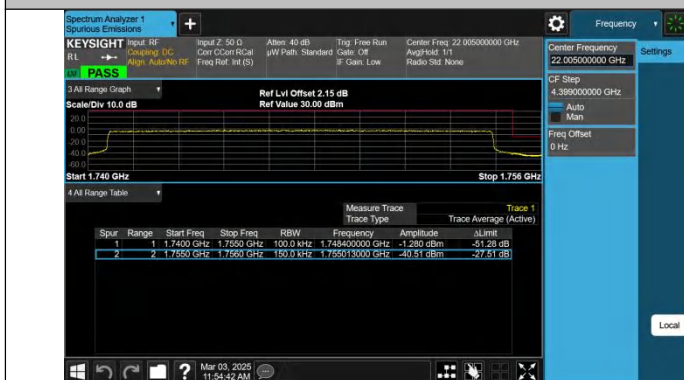
Band4-15MHz-QPSK-20025-75RB#0-PASS



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



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



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



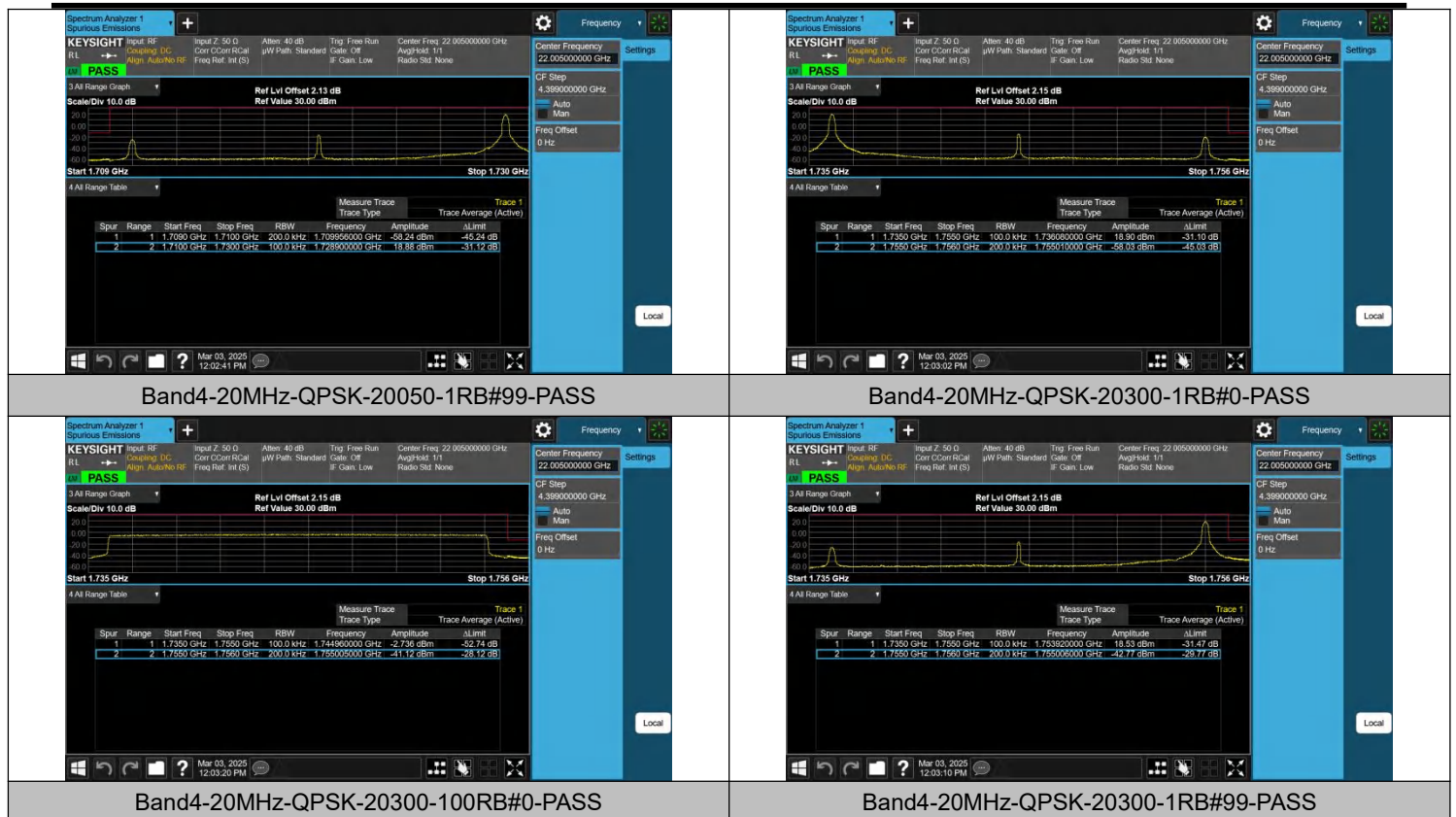
Band4-15MHz-QPSK-20325-1RB#74-PASS



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



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

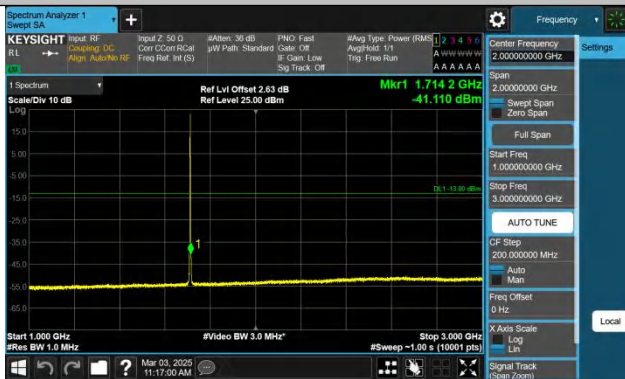


Conducted Spurious Emission

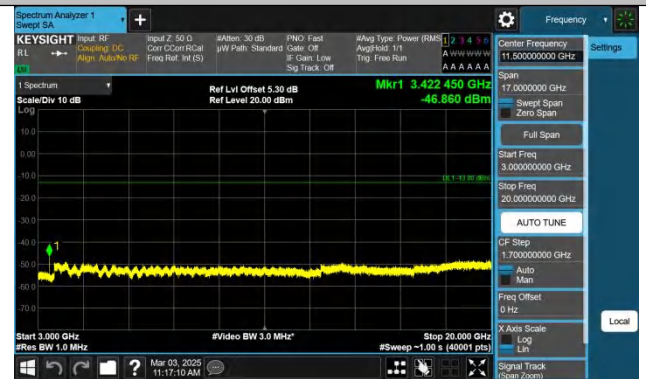
Test Graphs



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



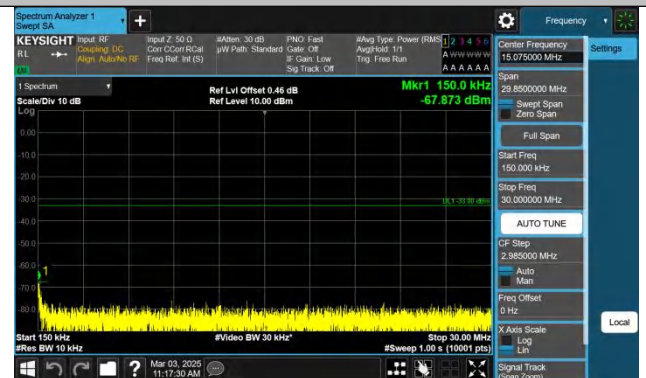
Band4-1.4MHz-QPSK-19957-1RB#5-30~1000-PASS



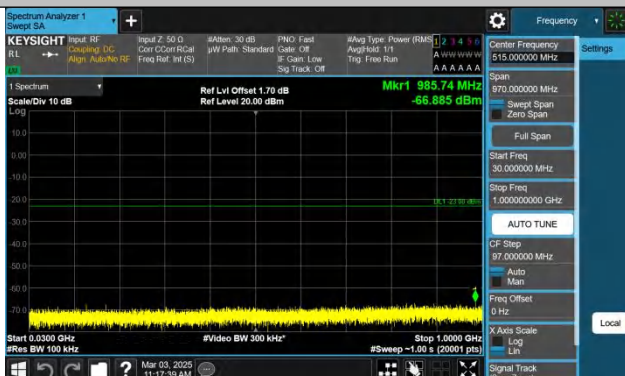
Band4-1.4MHz-QPSK-19957-1RB#5-1000~3000-PASS



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



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



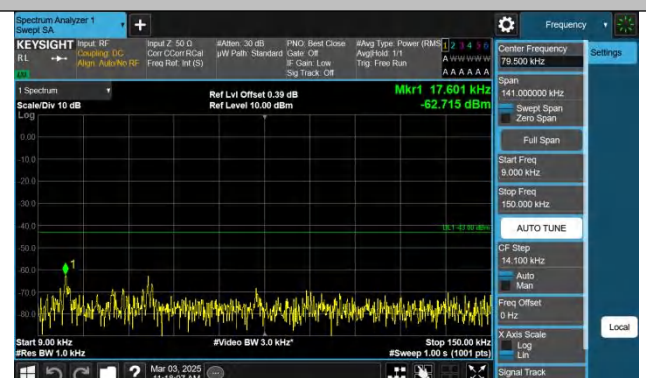
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Band4-1.4MHz-QPSK-20175-1RB#0-30~1000-PASS

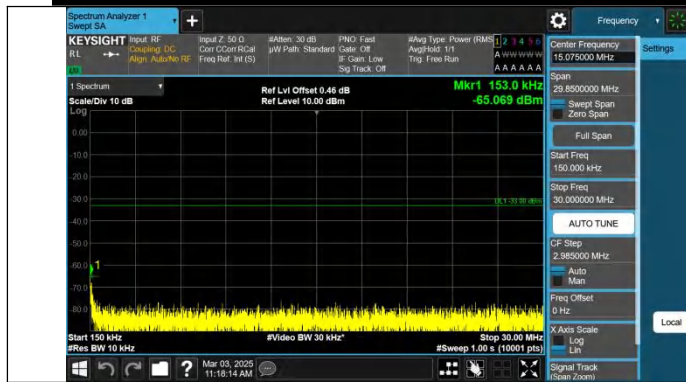


Band4-1.4MHz-QPSK-20175-1RB#0-1000~3000-PASS

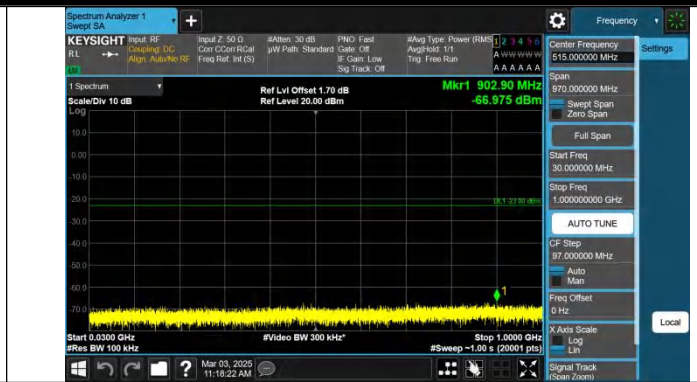


Band4-1.4MHz-QPSK-20175-1RB#0-3000~20000-PASS

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



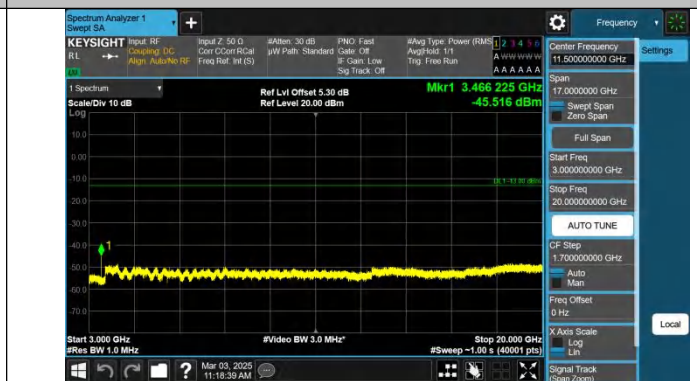
Band4-1.4MHz-QPSK-20175-1RB#5-0.15~30-PASS



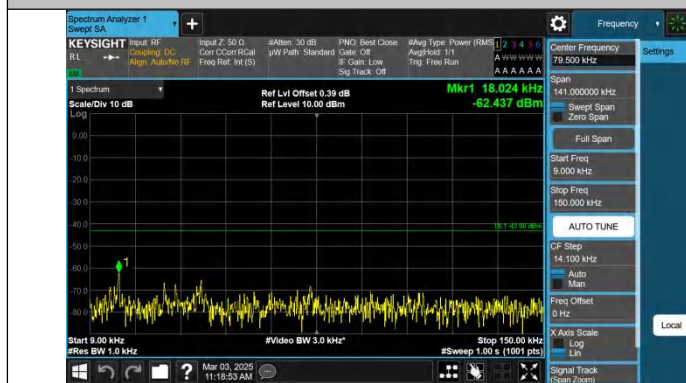
Band4-1.4MHz-QPSK-20175-1RB#5-30~1000-PASS



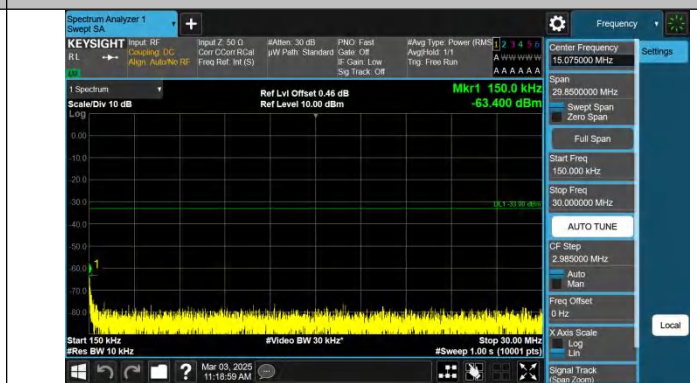
Band4-1.4MHz-QPSK-20175-1RB#5-1000~3000-PASS



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



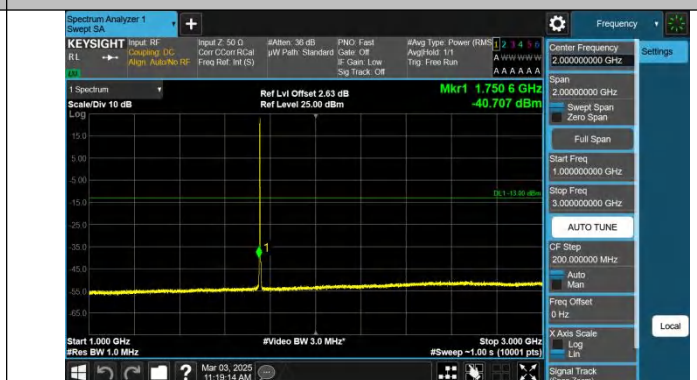
Band4-1.4MHz-QPSK-20393-1RB#0-0.009~0.15-PASS



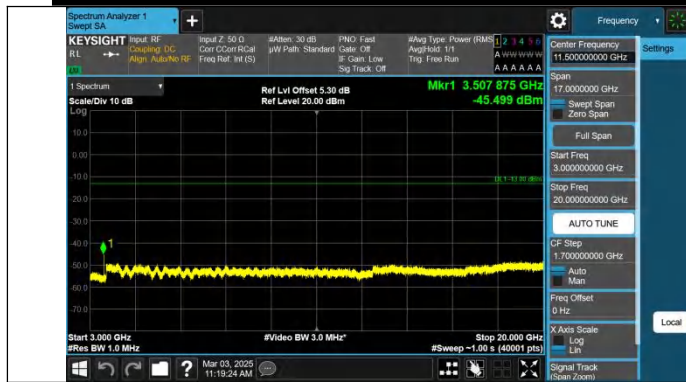
Band4-1.4MHz-QPSK-20393-1RB#0-0.15~30-PASS



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



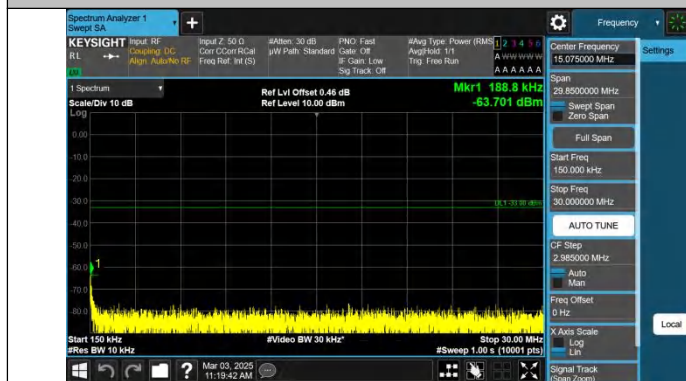
Band4-1.4MHz-QPSK-20393-1RB#0-1000~3000-PASS



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



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



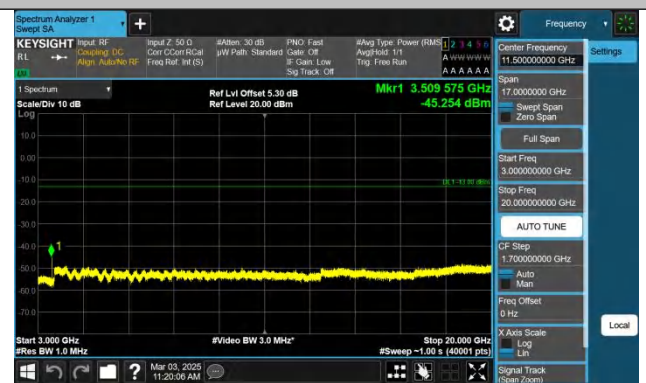
Band4-1.4MHz-QPSK-20393-1RB#5-0.15~30-PASS



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



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



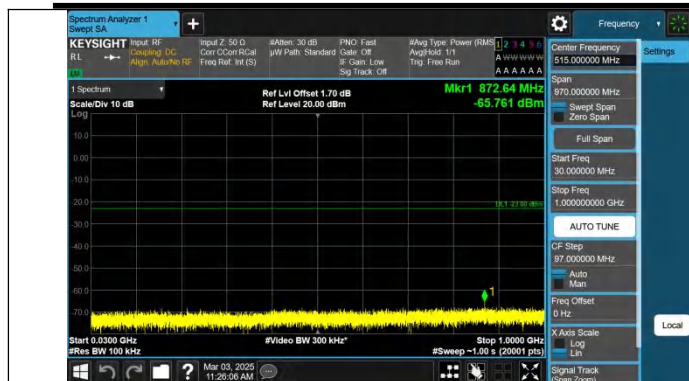
Band4-1.4MHz-QPSK-20393-1RB#5-3000~20000-PASS



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



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



Band4-3MHz-QPSK-19965-1RB#0-30~1000-PASS



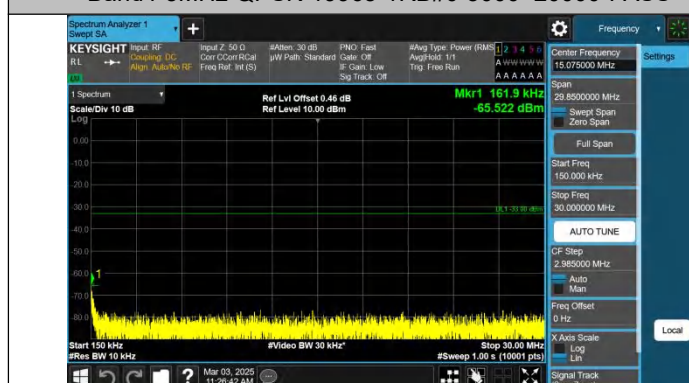
Band4-3MHz-QPSK-19965-1RB#0-1000~3000-PASS



Band4-3MHz-QPSK-19965-1RB#0-3000~20000-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#14-1000~3000-PASS



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