

Appendix-A LTE Band 41

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	24.07	26.57	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.99	26.49	33.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.96	26.46	33.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	23.02	25.52	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.48	25.98	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	23.5	26	33.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	23.18	25.68	33.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	22.06	24.56	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	22.48	24.98	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	22.14	24.64	33.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	22.31	24.81	33.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	21	23.5	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#0	19.13	21.63	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#12	19.1	21.6	33.00	PASS
Band41	5MHz	256QAM	39675	1RB#24	19.34	21.84	33.00	PASS
Band41	5MHz	256QAM	39675	25RB#0	19.05	21.55	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.85	26.35	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.91	26.41	33.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.72	26.22	33.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.87	25.37	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.19	25.69	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	23.26	25.76	33.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.86	25.36	33.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.82	24.32	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	22.15	24.65	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	22.11	24.61	33.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	21.97	24.47	33.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	20.92	23.42	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#0	18.9	21.4	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#12	19.16	21.66	33.00	PASS
Band41	5MHz	256QAM	40620	1RB#24	18.85	21.35	33.00	PASS
Band41	5MHz	256QAM	40620	25RB#0	18.86	21.36	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	24	26.5	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.91	26.41	33.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.78	26.28	33.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.99	25.49	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	23.32	25.82	33.00	PASS

Band41	5MHz	16QAM	41565	1RB#12	23.3	25.8	33.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	23.32	25.82	33.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	22.08	24.58	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	22.09	24.59	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	22.09	24.59	33.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	22.11	24.61	33.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	21.05	23.55	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#0	19.15	21.65	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#12	19.1	21.6	33.00	PASS
Band41	5MHz	256QAM	41565	1RB#24	19.02	21.52	33.00	PASS
Band41	5MHz	256QAM	41565	25RB#0	19.07	21.57	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	24.06	26.56	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.94	26.44	33.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.79	26.29	33.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	23.1	25.6	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	23.42	25.92	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	23.31	25.81	33.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	23.57	26.07	33.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	22.05	24.55	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	22.2	24.7	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	22.22	24.72	33.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	22.25	24.75	33.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	21.03	23.53	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#0	19.38	21.88	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#24	19.08	21.58	33.00	PASS
Band41	10MHz	256QAM	39700	1RB#49	19.1	21.6	33.00	PASS
Band41	10MHz	256QAM	39700	50RB#0	19.05	21.55	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.9	26.4	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.96	26.46	33.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.72	26.22	33.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.9	25.4	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	23.09	25.59	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#24	23.19	25.69	33.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	23	25.5	33.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.87	24.37	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	22	24.5	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	21.93	24.43	33.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	21.87	24.37	33.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	20.85	23.35	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#0	19.26	21.76	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#24	18.97	21.47	33.00	PASS
Band41	10MHz	256QAM	40620	1RB#49	19.08	21.58	33.00	PASS
Band41	10MHz	256QAM	40620	50RB#0	18.87	21.37	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	24.03	26.53	33.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.95	26.45	33.00	PASS

Band41	10MHz	QPSK	41540	1RB#49	23.83	26.33	33.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	23.07	25.57	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	23.19	25.69	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	23.3	25.8	33.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	23.31	25.81	33.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	22.08	24.58	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	22.41	24.91	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	22.26	24.76	33.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	22.1	24.6	33.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	21.17	23.67	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#0	18.98	21.48	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#24	18.96	21.46	33.00	PASS
Band41	10MHz	256QAM	41540	1RB#49	19.03	21.53	33.00	PASS
Band41	10MHz	256QAM	41540	50RB#0	19.05	21.55	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	23.95	26.45	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.88	26.38	33.00	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.91	26.41	33.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	23.01	25.51	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	23.35	25.85	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	23.24	25.74	33.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	23.37	25.87	33.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	22.03	24.53	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	22.02	24.52	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	22.14	24.64	33.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	21.97	24.47	33.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	20.94	23.44	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#0	19.4	21.9	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#38	19.23	21.73	33.00	PASS
Band41	15MHz	256QAM	39725	1RB#74	19.26	21.76	33.00	PASS
Band41	15MHz	256QAM	39725	75RB#0	19.07	21.57	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.85	26.35	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.78	26.28	33.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.69	26.19	33.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.74	25.24	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	23.06	25.56	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	23.22	25.72	33.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	23.05	25.55	33.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.83	24.33	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	21.9	24.4	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	22.01	24.51	33.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	22.12	24.62	33.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	20.8	23.3	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#0	19.36	21.86	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#38	19.22	21.72	33.00	PASS
Band41	15MHz	256QAM	40620	1RB#74	18.87	21.37	33.00	PASS

Band41	15MHz	256QAM	40620	75RB#0	18.79	21.29	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	24.1	26.6	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.8	26.3	33.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.69	26.19	33.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.91	25.41	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	23.26	25.76	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.12	25.62	33.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.99	25.49	33.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.88	24.38	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	22.44	24.94	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	22.35	24.85	33.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	22.22	24.72	33.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	21.08	23.58	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#0	19.14	21.64	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#38	19.39	21.89	33.00	PASS
Band41	15MHz	256QAM	41515	1RB#74	18.92	21.42	33.00	PASS
Band41	15MHz	256QAM	41515	75RB#0	19.09	21.59	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.99	26.49	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.03	26.53	33.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.88	26.38	33.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.93	25.43	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	23.29	25.79	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.25	25.75	33.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	23.12	25.62	33.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	22.03	24.53	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	22.24	24.74	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	21.8	24.3	33.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	22	24.5	33.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	21	23.5	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#0	19.11	21.61	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#49	19.36	21.86	33.00	PASS
Band41	20MHz	256QAM	39750	1RB#99	19.14	21.64	33.00	PASS
Band41	20MHz	256QAM	39750	100RB#0	18.84	21.34	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.9	26.4	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.88	26.38	33.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.68	26.18	33.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.83	25.33	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	23.42	25.92	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.16	25.66	33.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	23.17	25.67	33.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.85	24.35	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	21.9	24.4	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	22.25	24.75	33.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	21.78	24.28	33.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	20.79	23.29	33.00	PASS

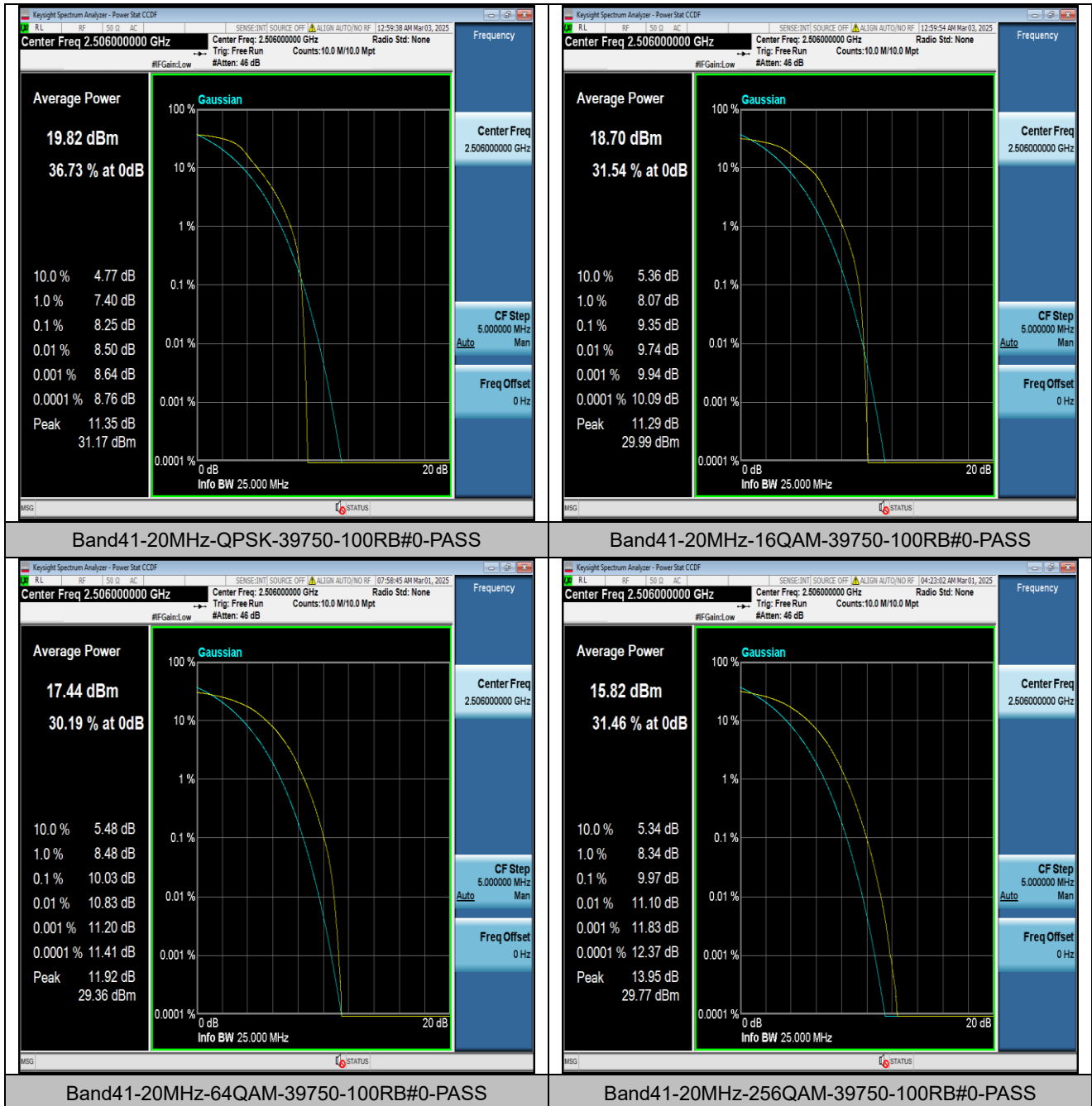
Band41	20MHz	256QAM	40620	1RB#0	19.03	21.53	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#49	18.69	21.19	33.00	PASS
Band41	20MHz	256QAM	40620	1RB#99	18.88	21.38	33.00	PASS
Band41	20MHz	256QAM	40620	100RB#0	18.89	21.39	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.89	26.39	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.85	26.35	33.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.61	26.11	33.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.91	25.41	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#0	23.23	25.73	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	23.27	25.77	33.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.94	25.44	33.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.92	24.42	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	22.19	24.69	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	22.1	24.6	33.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	21.87	24.37	33.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	21.04	23.54	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#0	19.13	21.63	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#49	19.4	21.9	33.00	PASS
Band41	20MHz	256QAM	41490	1RB#99	18.88	21.38	33.00	PASS
Band41	20MHz	256QAM	41490	100RB#0	19.03	21.53	33.00	PASS

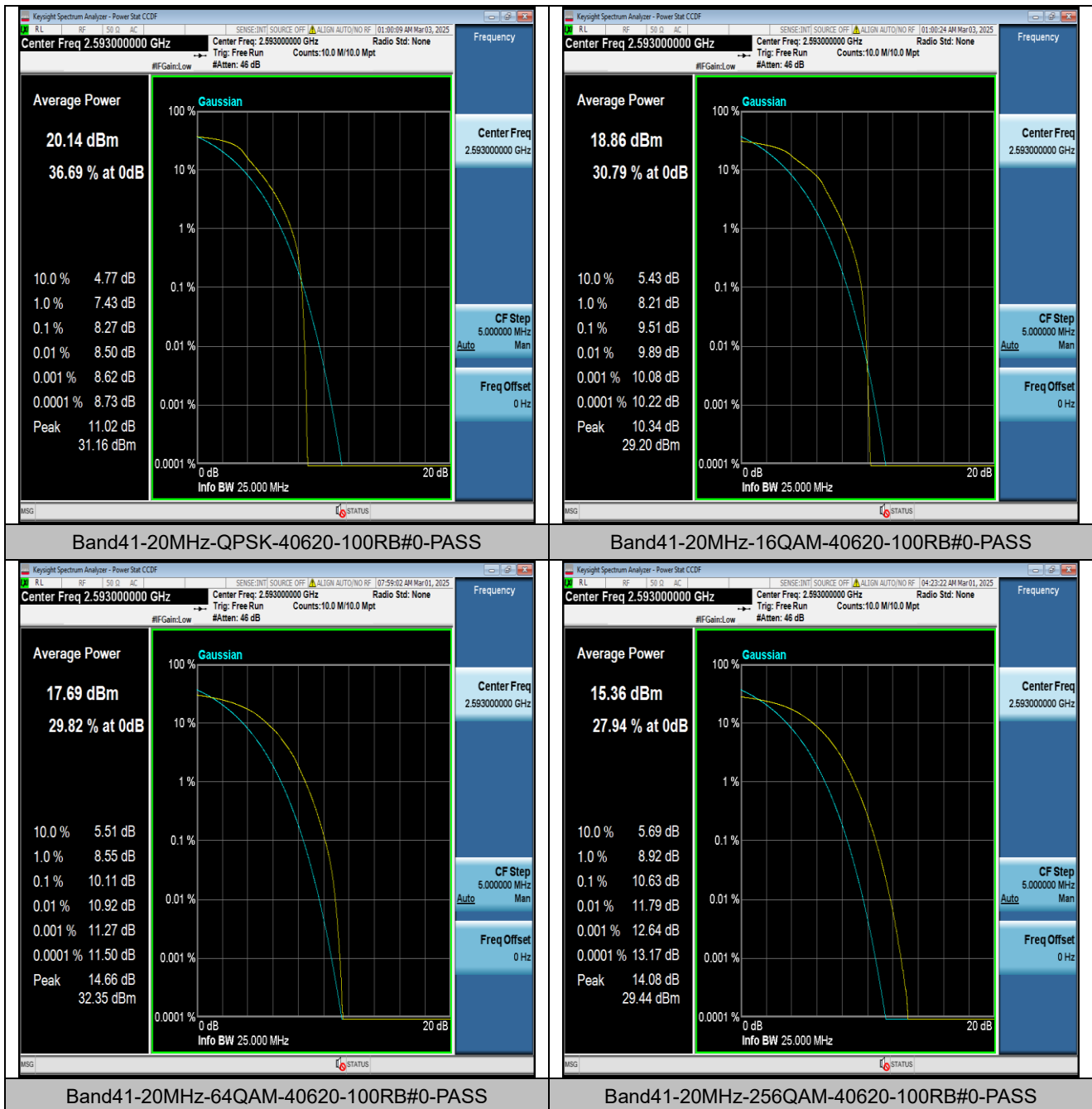
Peak-to-Average Ratio(CCDF)

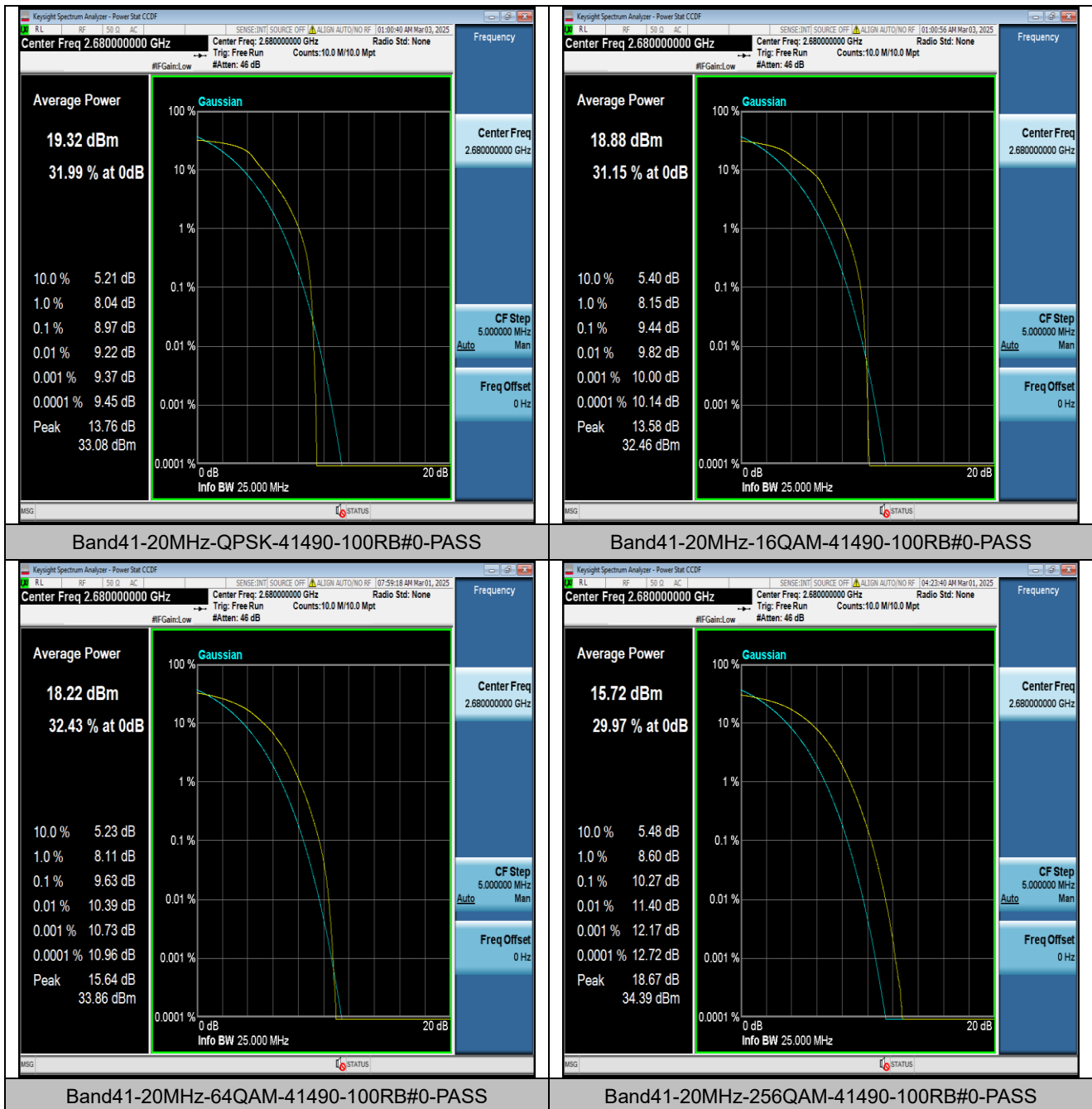
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	8.25	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.35	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	10.03	13	PASS
Band41	20MHz	256QAM	39750	100RB#0	9.97	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.27	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.51	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	10.11	13	PASS
Band41	20MHz	256QAM	40620	100RB#0	10.63	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.97	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.44	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	9.63	13	PASS
Band41	20MHz	256QAM	41490	100RB#0	10.27	13	PASS

Test Graphs







26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.4744	5.026	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4850	5.128	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.4732	5.076	PASS
Band41	5MHz	256QAM	39675	25RB#0	4.4731	4.960	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4847	5.026	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4675	5.139	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.4910	5.087	PASS
Band41	5MHz	256QAM	40620	25RB#0	4.4922	5.021	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4867	5.023	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4882	5.135	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.4860	5.115	PASS
Band41	5MHz	256QAM	41565	25RB#0	4.4872	5.095	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9398	9.868	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9698	9.751	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.9623	10.23	PASS
Band41	10MHz	256QAM	39700	50RB#0	8.9931	10.03	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9503	10.22	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9513	9.743	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.9558	9.913	PASS
Band41	10MHz	256QAM	40620	50RB#0	8.9724	10.36	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9786	9.846	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9575	9.890	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.9799	9.910	PASS
Band41	10MHz	256QAM	41540	50RB#0	8.9638	9.788	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.431	14.74	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.431	14.62	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.444	14.81	PASS
Band41	15MHz	256QAM	39725	75RB#0	13.452	14.84	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.448	14.67	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.453	15.83	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.476	14.74	PASS
Band41	15MHz	256QAM	40620	75RB#0	13.406	14.70	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.438	14.88	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.460	15.27	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.463	15.12	PASS
Band41	15MHz	256QAM	41515	75RB#0	13.459	14.44	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.895	19.57	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.923	19.53	PASS

Band41	20MHz	64QAM	39750	100RB#0	17.902	19.54	PASS
Band41	20MHz	256QAM	39750	100RB#0	17.923	19.34	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.937	20.19	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.924	19.54	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.966	20.33	PASS
Band41	20MHz	256QAM	40620	100RB#0	17.929	19.53	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.916	19.29	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.953	19.66	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.958	20.71	PASS
Band41	20MHz	256QAM	41490	100RB#0	17.902	19.35	PASS

Test Graphs

