

Appendix M: Test Data for E-UTRA Band 41

Product Name: Portable Wireless Display Monitor

Test Model: AUSTA-A9

Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.98	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.98	PASS
Band41	5MHz	QPSK	39675	1RB#24	24.07	PASS
Band41	5MHz	QPSK	39675	12RB#0	23.21	PASS
Band41	5MHz	QPSK	39675	12RB#6	23.20	PASS
Band41	5MHz	QPSK	39675	12RB#13	23.22	PASS
Band41	5MHz	QPSK	39675	25RB#0	23.25	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.31	PASS
Band41	5MHz	16QAM	39675	1RB#12	23.38	PASS
Band41	5MHz	16QAM	39675	1RB#24	23.43	PASS
Band41	5MHz	16QAM	39675	12RB#0	23.34	PASS
Band41	5MHz	16QAM	39675	12RB#6	23.33	PASS
Band41	5MHz	16QAM	39675	12RB#13	23.34	PASS
Band41	5MHz	16QAM	39675	25RB#0	23.27	PASS
Band41	5MHz	QPSK	40620	1RB#0	24.29	PASS
Band41	5MHz	QPSK	40620	1RB#12	24.14	PASS
Band41	5MHz	QPSK	40620	1RB#24	24.30	PASS
Band41	5MHz	QPSK	40620	12RB#0	23.35	PASS
Band41	5MHz	QPSK	40620	12RB#6	23.29	PASS
Band41	5MHz	QPSK	40620	12RB#13	23.33	PASS
Band41	5MHz	QPSK	40620	25RB#0	23.31	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.28	PASS
Band41	5MHz	16QAM	40620	1RB#12	23.35	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.24	PASS
Band41	5MHz	16QAM	40620	12RB#0	23.27	PASS
Band41	5MHz	16QAM	40620	12RB#6	23.29	PASS
Band41	5MHz	16QAM	40620	12RB#13	23.29	PASS
Band41	5MHz	16QAM	40620	25RB#0	23.15	PASS
Band41	5MHz	QPSK	41565	1RB#0	25.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.01	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.12	PASS
Band41	5MHz	QPSK	41565	12RB#0	24.05	PASS
Band41	5MHz	QPSK	41565	12RB#6	24.06	PASS
Band41	5MHz	QPSK	41565	12RB#13	24.12	PASS
Band41	5MHz	QPSK	41565	25RB#0	24.05	PASS
Band41	5MHz	16QAM	41565	1RB#0	23.97	PASS
Band41	5MHz	16QAM	41565	1RB#12	24.25	PASS
Band41	5MHz	16QAM	41565	1RB#24	24.02	PASS
Band41	5MHz	16QAM	41565	12RB#0	24.09	PASS

Band41	5MHz	16QAM	41565	12RB#6	24.01	PASS
Band41	5MHz	16QAM	41565	12RB#13	24.16	PASS
Band41	5MHz	16QAM	41565	25RB#0	24.09	PASS
Band41	10MHz	QPSK	39700	1RB#0	24.20	PASS
Band41	10MHz	QPSK	39700	1RB#24	24.36	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.33	PASS
Band41	10MHz	QPSK	39700	25RB#0	23.36	PASS
Band41	10MHz	QPSK	39700	25RB#12	23.45	PASS
Band41	10MHz	QPSK	39700	25RB#25	23.48	PASS
Band41	10MHz	QPSK	39700	50RB#0	23.45	PASS
Band41	10MHz	16QAM	39700	1RB#0	24.29	PASS
Band41	10MHz	16QAM	39700	1RB#24	24.56	PASS
Band41	10MHz	16QAM	39700	1RB#49	24.43	PASS
Band41	10MHz	16QAM	39700	25RB#0	23.42	PASS
Band41	10MHz	16QAM	39700	25RB#12	23.49	PASS
Band41	10MHz	16QAM	39700	25RB#25	23.46	PASS
Band41	10MHz	16QAM	39700	50RB#0	23.47	PASS
Band41	10MHz	QPSK	40620	1RB#0	24.40	PASS
Band41	10MHz	QPSK	40620	1RB#24	24.51	PASS
Band41	10MHz	QPSK	40620	1RB#49	24.43	PASS
Band41	10MHz	QPSK	40620	25RB#0	23.54	PASS
Band41	10MHz	QPSK	40620	25RB#12	23.55	PASS
Band41	10MHz	QPSK	40620	25RB#25	23.75	PASS
Band41	10MHz	QPSK	40620	50RB#0	23.76	PASS
Band41	10MHz	16QAM	40620	1RB#0	23.06	PASS
Band41	10MHz	16QAM	40620	1RB#24	23.83	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.10	PASS
Band41	10MHz	16QAM	40620	25RB#0	23.56	PASS
Band41	10MHz	16QAM	40620	25RB#12	23.47	PASS
Band41	10MHz	16QAM	40620	25RB#25	23.74	PASS
Band41	10MHz	16QAM	40620	50RB#0	23.75	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.29	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.53	PASS
Band41	10MHz	QPSK	41540	1RB#49	25.43	PASS
Band41	10MHz	QPSK	41540	25RB#0	24.46	PASS
Band41	10MHz	QPSK	41540	25RB#12	24.48	PASS
Band41	10MHz	QPSK	41540	25RB#25	24.59	PASS
Band41	10MHz	QPSK	41540	50RB#0	24.56	PASS
Band41	10MHz	16QAM	41540	1RB#0	25.36	PASS
Band41	10MHz	16QAM	41540	1RB#24	25.61	PASS
Band41	10MHz	16QAM	41540	1RB#49	25.56	PASS
Band41	10MHz	16QAM	41540	25RB#0	24.51	PASS
Band41	10MHz	16QAM	41540	25RB#12	24.62	PASS
Band41	10MHz	16QAM	41540	25RB#25	24.57	PASS

Band41	10MHz	16QAM	41540	50RB#0	24.57	PASS
Band41	15MHz	QPSK	39725	1RB#0	24.43	PASS
Band41	15MHz	QPSK	39725	1RB#38	24.65	PASS
Band41	15MHz	QPSK	39725	1RB#74	24.58	PASS
Band41	15MHz	QPSK	39725	38RB#0	23.62	PASS
Band41	15MHz	QPSK	39725	38RB#18	23.71	PASS
Band41	15MHz	QPSK	39725	38RB#37	23.71	PASS
Band41	15MHz	QPSK	39725	75RB#0	23.71	PASS
Band41	15MHz	16QAM	39725	1RB#0	24.50	PASS
Band41	15MHz	16QAM	39725	1RB#38	24.73	PASS
Band41	15MHz	16QAM	39725	1RB#74	24.69	PASS
Band41	15MHz	16QAM	39725	38RB#0	23.73	PASS
Band41	15MHz	16QAM	39725	38RB#18	23.77	PASS
Band41	15MHz	16QAM	39725	38RB#37	23.79	PASS
Band41	15MHz	16QAM	39725	75RB#0	23.74	PASS
Band41	15MHz	QPSK	40620	1RB#0	24.64	PASS
Band41	15MHz	QPSK	40620	1RB#38	24.63	PASS
Band41	15MHz	QPSK	40620	1RB#74	24.68	PASS
Band41	15MHz	QPSK	40620	38RB#0	23.72	PASS
Band41	15MHz	QPSK	40620	38RB#18	23.76	PASS
Band41	15MHz	QPSK	40620	38RB#37	23.73	PASS
Band41	15MHz	QPSK	40620	75RB#0	23.72	PASS
Band41	15MHz	16QAM	40620	1RB#0	23.44	PASS
Band41	15MHz	16QAM	40620	1RB#38	24.14	PASS
Band41	15MHz	16QAM	40620	1RB#74	23.46	PASS
Band41	15MHz	16QAM	40620	38RB#0	23.55	PASS
Band41	15MHz	16QAM	40620	38RB#18	23.58	PASS
Band41	15MHz	16QAM	40620	38RB#37	23.63	PASS
Band41	15MHz	16QAM	40620	75RB#0	23.77	PASS
Band41	15MHz	QPSK	41515	1RB#0	25.08	PASS
Band41	15MHz	QPSK	41515	1RB#38	25.35	PASS
Band41	15MHz	QPSK	41515	1RB#74	25.34	PASS
Band41	15MHz	QPSK	41515	38RB#0	24.26	PASS
Band41	15MHz	QPSK	41515	38RB#18	24.37	PASS
Band41	15MHz	QPSK	41515	38RB#37	24.40	PASS
Band41	15MHz	QPSK	41515	75RB#0	24.35	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.20	PASS
Band41	15MHz	16QAM	41515	1RB#38	25.50	PASS
Band41	15MHz	16QAM	41515	1RB#74	25.46	PASS
Band41	15MHz	16QAM	41515	38RB#0	24.38	PASS
Band41	15MHz	16QAM	41515	38RB#18	24.40	PASS
Band41	15MHz	16QAM	41515	38RB#37	24.54	PASS
Band41	15MHz	16QAM	41515	75RB#0	24.44	PASS
Band41	20MHz	QPSK	39750	1RB#0	24.46	PASS

Band41	20MHz	QPSK	39750	1RB#49	24.51	PASS
Band41	20MHz	QPSK	39750	1RB#99	24.66	PASS
Band41	20MHz	QPSK	39750	50RB#0	23.59	PASS
Band41	20MHz	QPSK	39750	50RB#25	23.69	PASS
Band41	20MHz	QPSK	39750	50RB#50	23.65	PASS
Band41	20MHz	QPSK	39750	100RB#0	23.64	PASS
Band41	20MHz	16QAM	39750	1RB#0	23.43	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.66	PASS
Band41	20MHz	16QAM	39750	1RB#99	23.56	PASS
Band41	20MHz	16QAM	39750	50RB#0	23.62	PASS
Band41	20MHz	16QAM	39750	50RB#25	23.76	PASS
Band41	20MHz	16QAM	39750	50RB#50	23.77	PASS
Band41	20MHz	16QAM	39750	100RB#0	23.65	PASS
Band41	20MHz	QPSK	40620	1RB#0	24.68	PASS
Band41	20MHz	QPSK	40620	1RB#49	24.68	PASS
Band41	20MHz	QPSK	40620	1RB#99	24.79	PASS
Band41	20MHz	QPSK	40620	50RB#0	23.62	PASS
Band41	20MHz	QPSK	40620	50RB#25	23.74	PASS
Band41	20MHz	QPSK	40620	50RB#50	23.72	PASS
Band41	20MHz	QPSK	40620	100RB#0	23.71	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.99	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.96	PASS
Band41	20MHz	16QAM	40620	1RB#99	23.04	PASS
Band41	20MHz	16QAM	40620	50RB#0	23.76	PASS
Band41	20MHz	16QAM	40620	50RB#25	23.82	PASS
Band41	20MHz	16QAM	40620	50RB#50	23.81	PASS
Band41	20MHz	16QAM	40620	100RB#0	23.75	PASS
Band41	20MHz	QPSK	41490	1RB#0	25.10	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.22	PASS
Band41	20MHz	QPSK	41490	1RB#99	25.51	PASS
Band41	20MHz	QPSK	41490	50RB#0	24.24	PASS
Band41	20MHz	QPSK	41490	50RB#25	24.38	PASS
Band41	20MHz	QPSK	41490	50RB#50	24.46	PASS
Band41	20MHz	QPSK	41490	100RB#0	24.32	PASS
Band41	20MHz	16QAM	41490	1RB#0	24.05	PASS
Band41	20MHz	16QAM	41490	1RB#49	24.36	PASS
Band41	20MHz	16QAM	41490	1RB#99	24.39	PASS
Band41	20MHz	16QAM	41490	50RB#0	24.32	PASS
Band41	20MHz	16QAM	41490	50RB#25	24.46	PASS
Band41	20MHz	16QAM	41490	50RB#50	24.47	PASS
Band41	20MHz	16QAM	41490	100RB#0	24.42	PASS

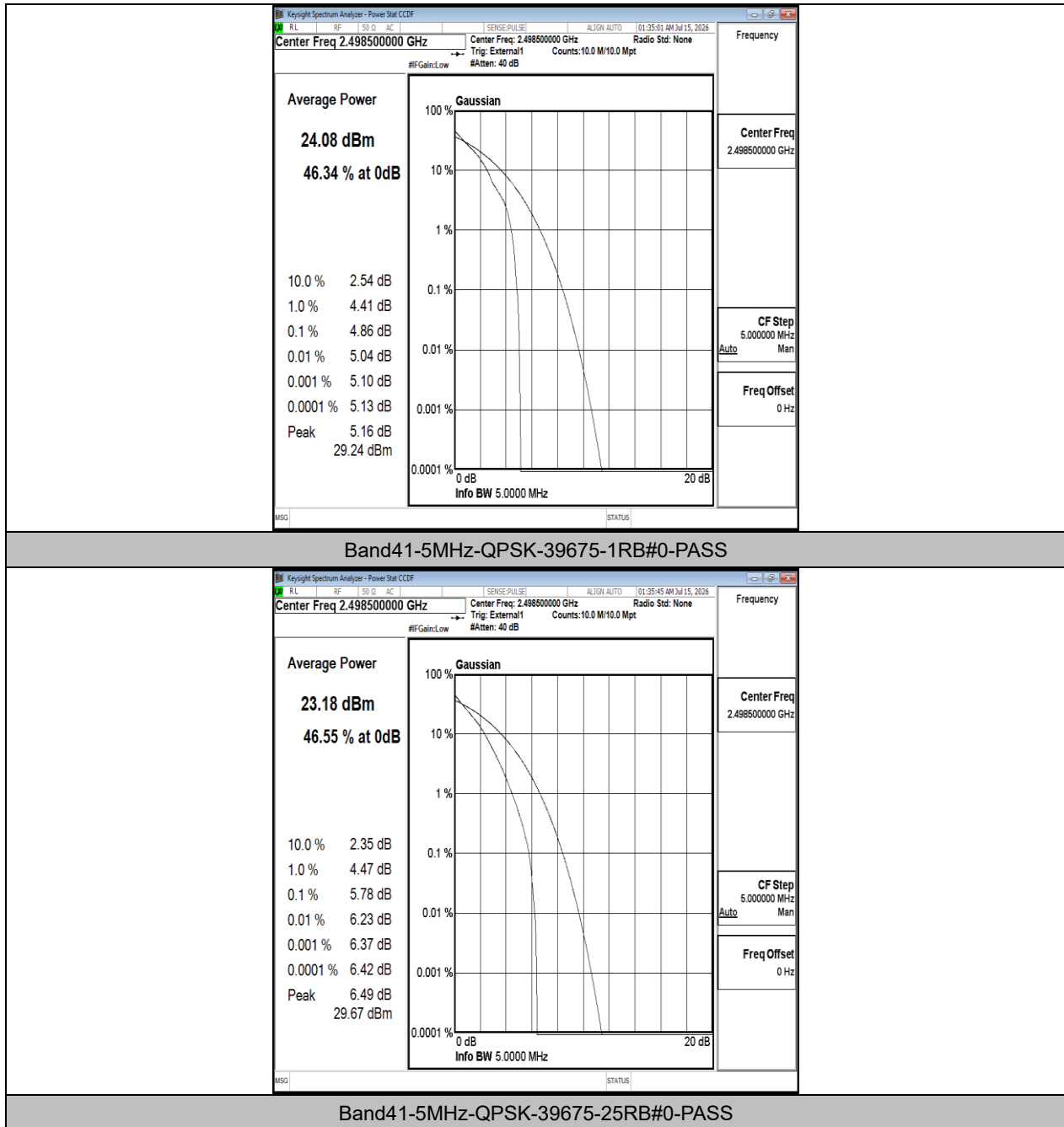
M.2 Peak-to-Average Ratio (CCDF)

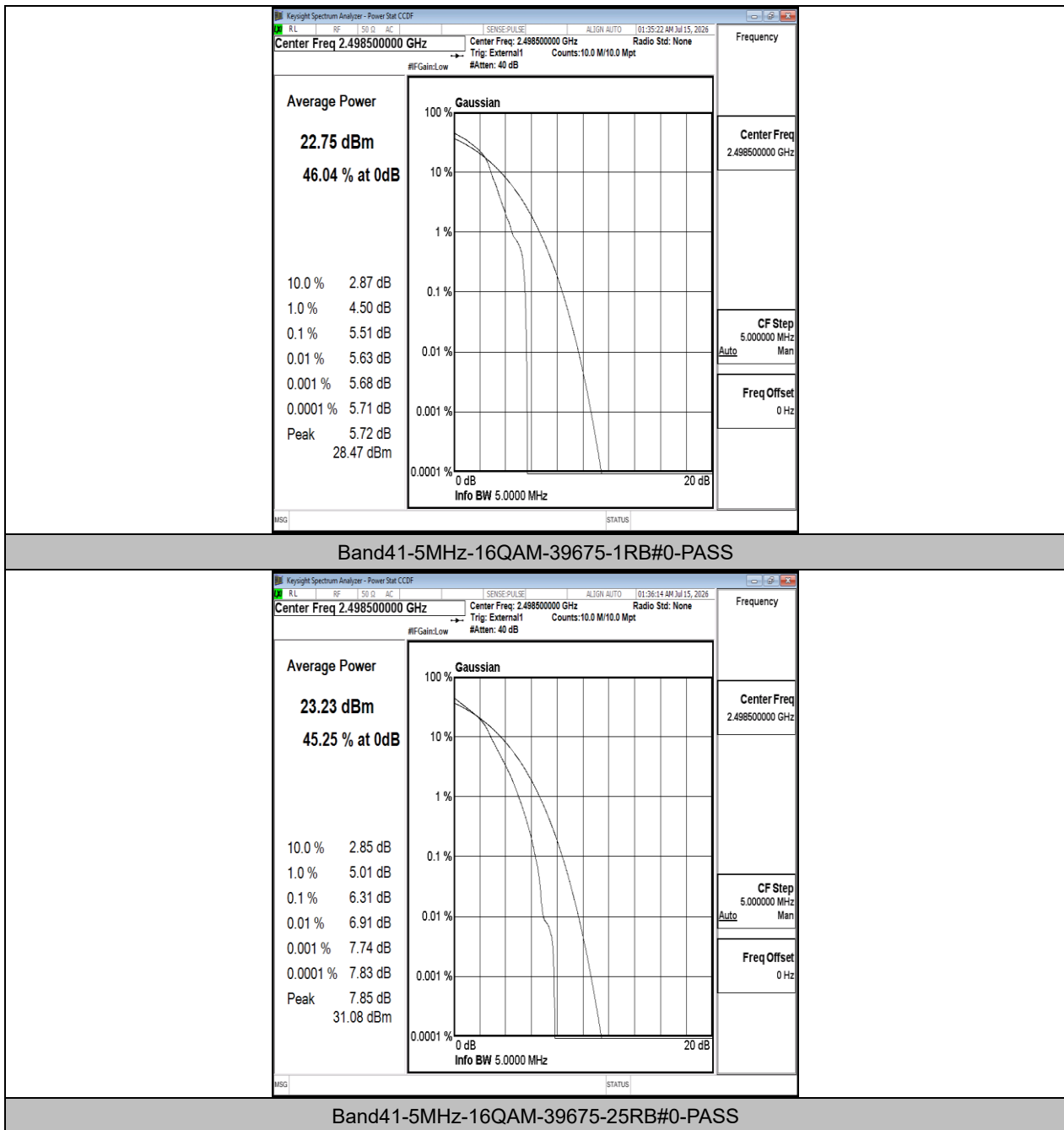
Test Result

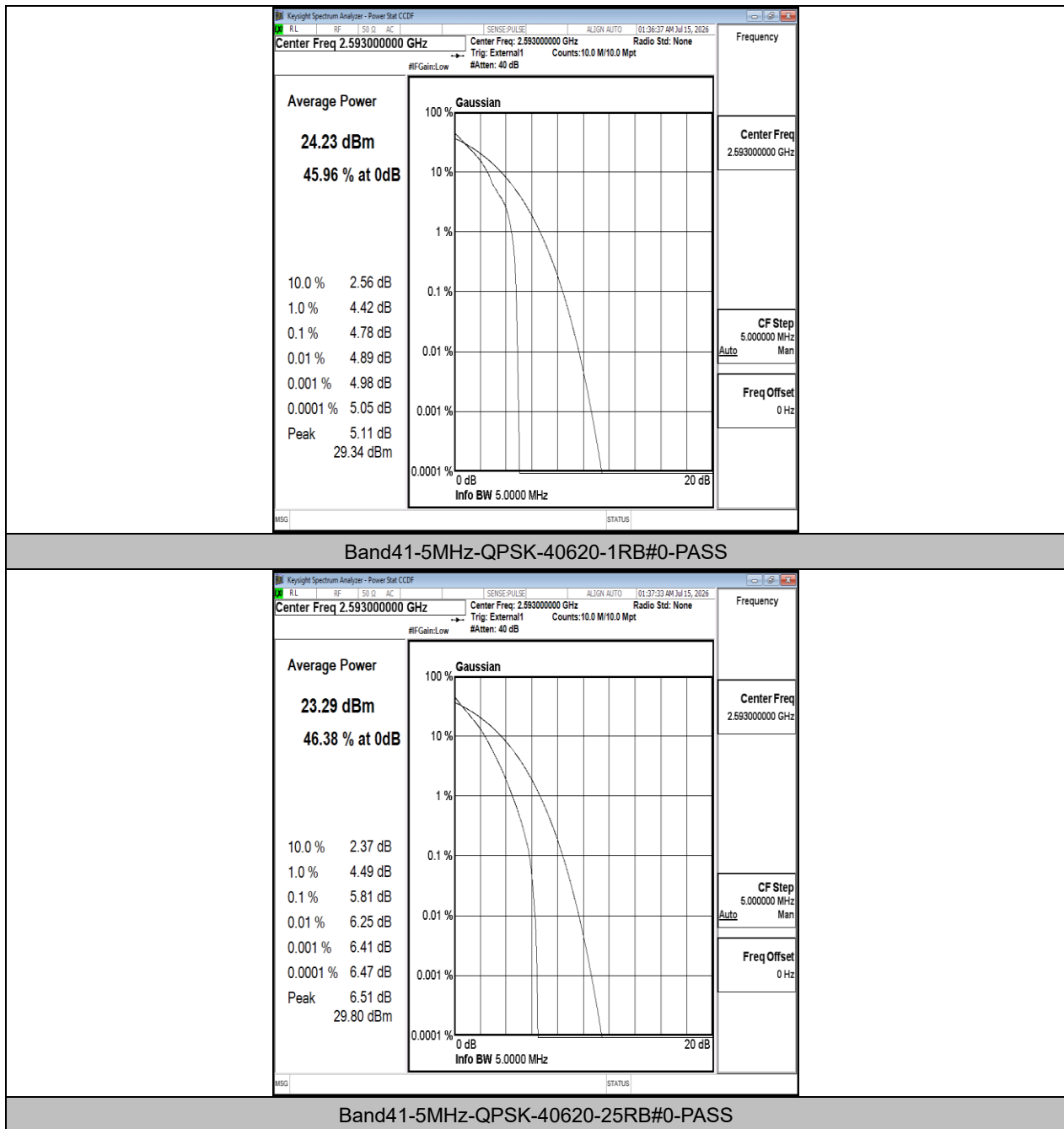
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	4.86	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	5.78	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	5.51	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	6.31	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	4.78	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	5.81	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	5.53	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.31	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	4.48	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	5.65	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	5.29	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	6.06	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	5.37	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	5.61	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	5.74	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	6.26	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	5.40	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.62	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	5.74	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	6.26	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	4.93	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	5.48	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	5.35	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	6.03	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	5.39	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	5.92	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	5.74	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	6.36	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	5.39	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.90	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	5.74	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	6.35	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	5.11	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	5.80	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	5.52	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	6.18	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	4.93	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.51	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	5.49	13	PASS

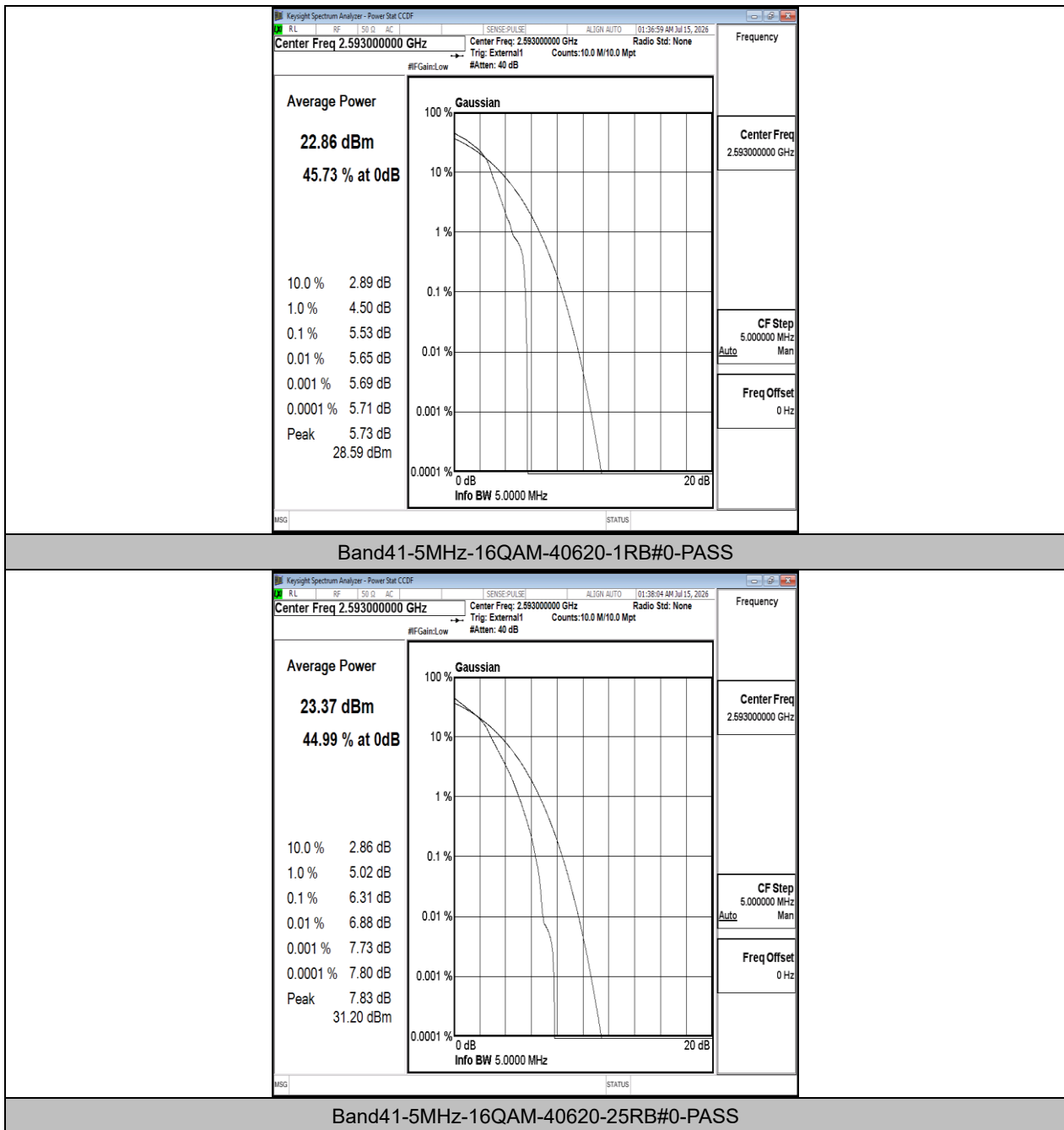
Band41	20MHz	16QAM	39750	100RB#0	6.22	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	4.82	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.49	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	5.54	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.20	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	4.85	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	5.42	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	5.42	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	6.08	13	PASS

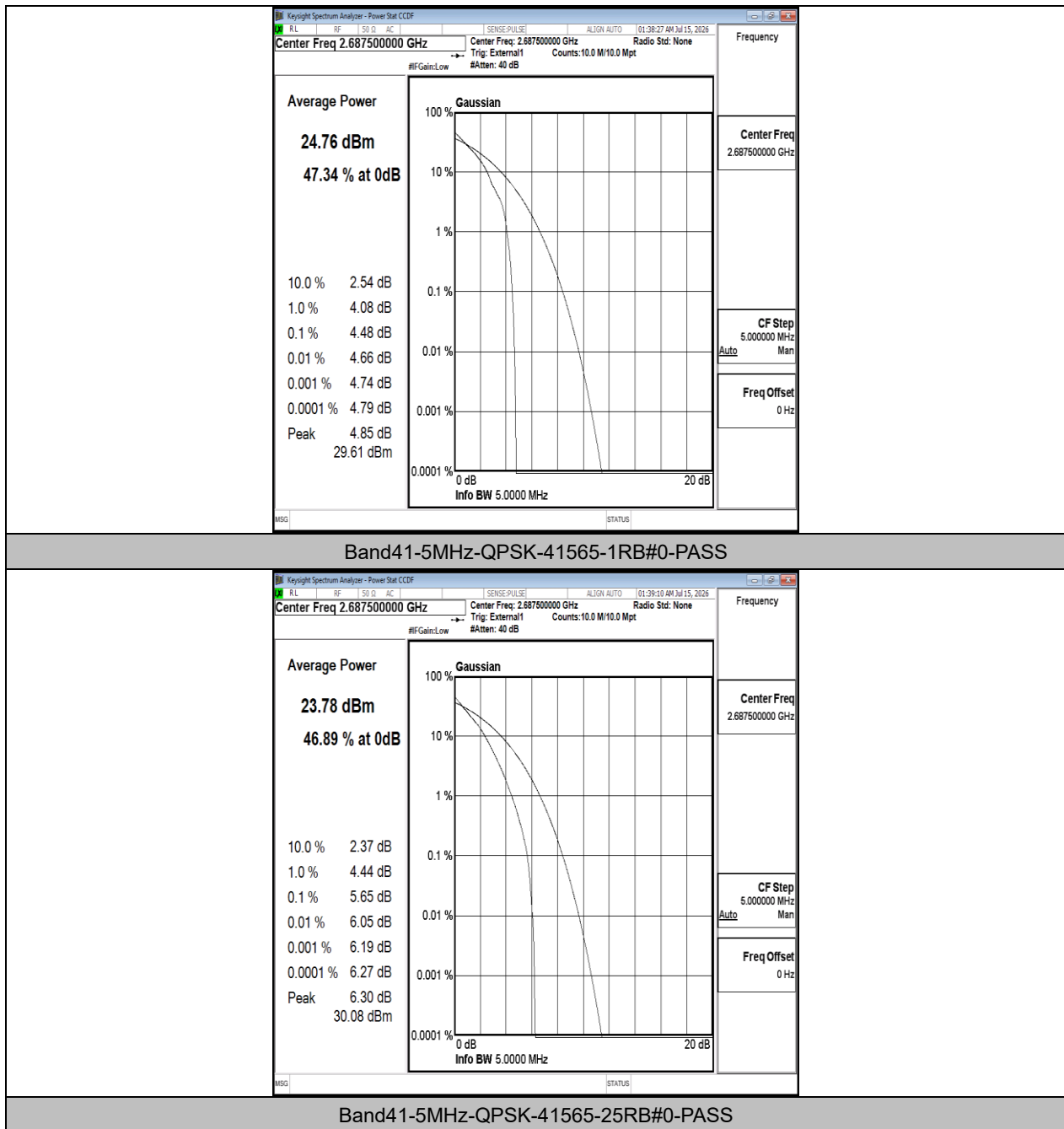
Test Graphs

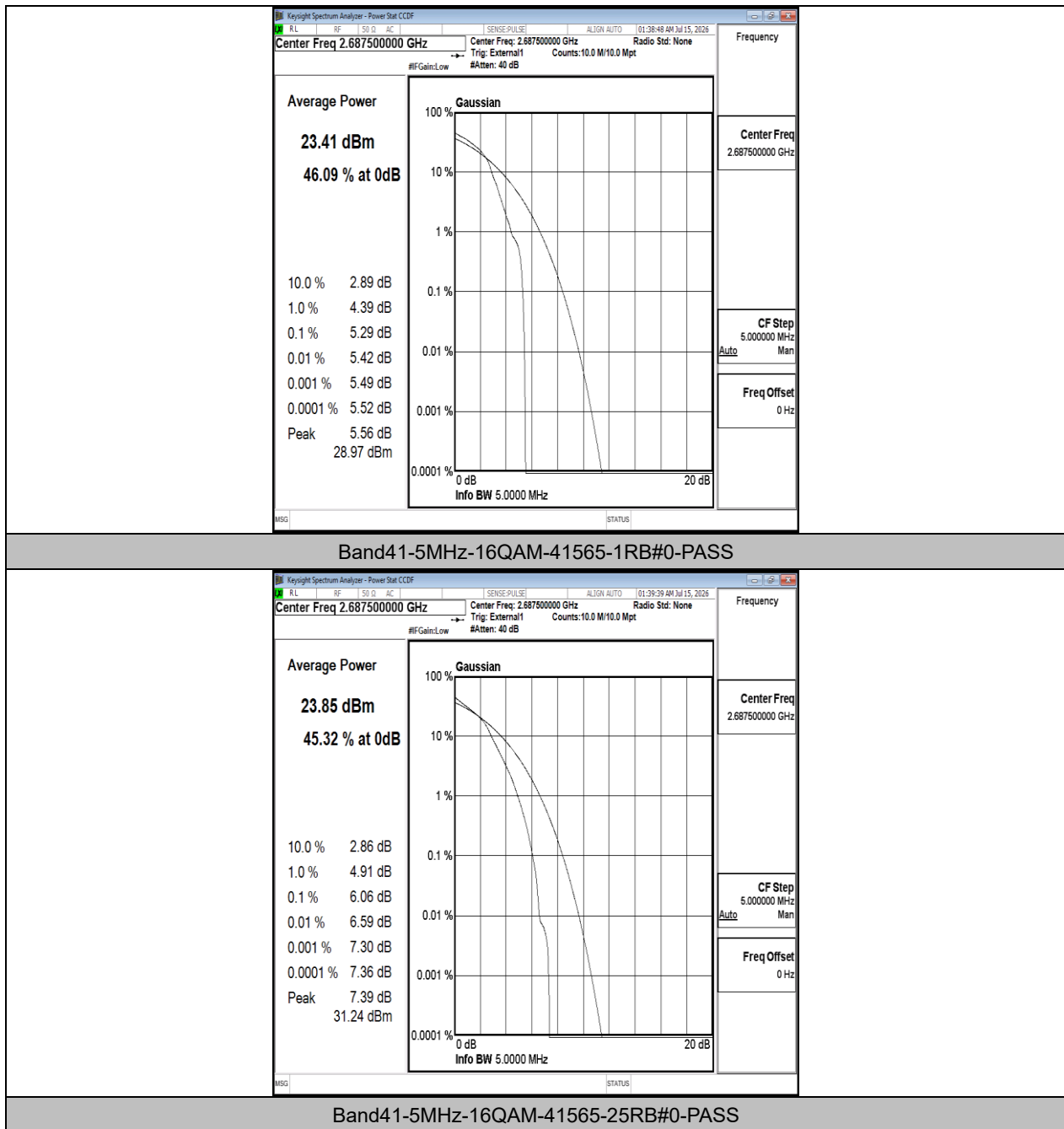


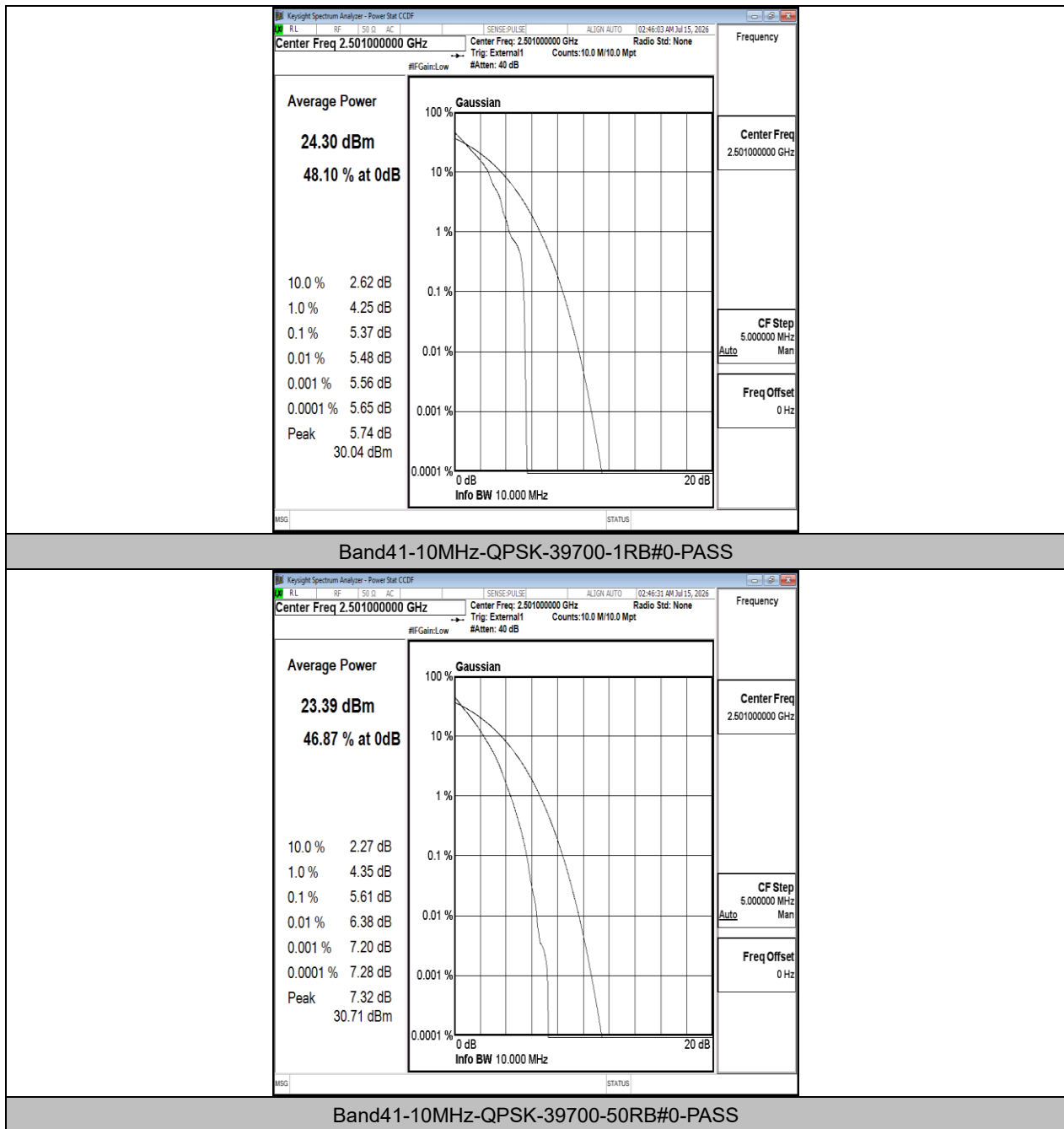


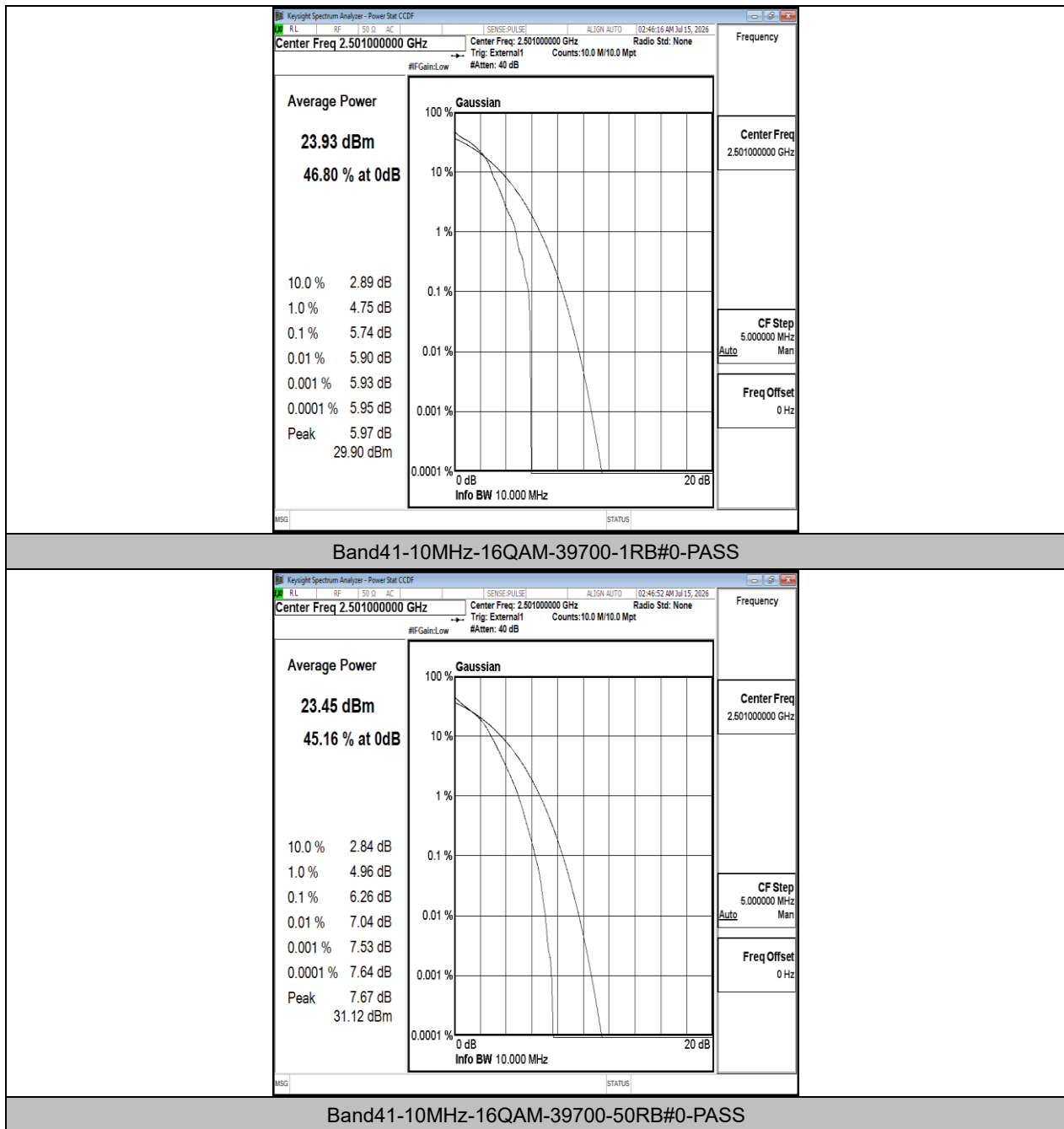


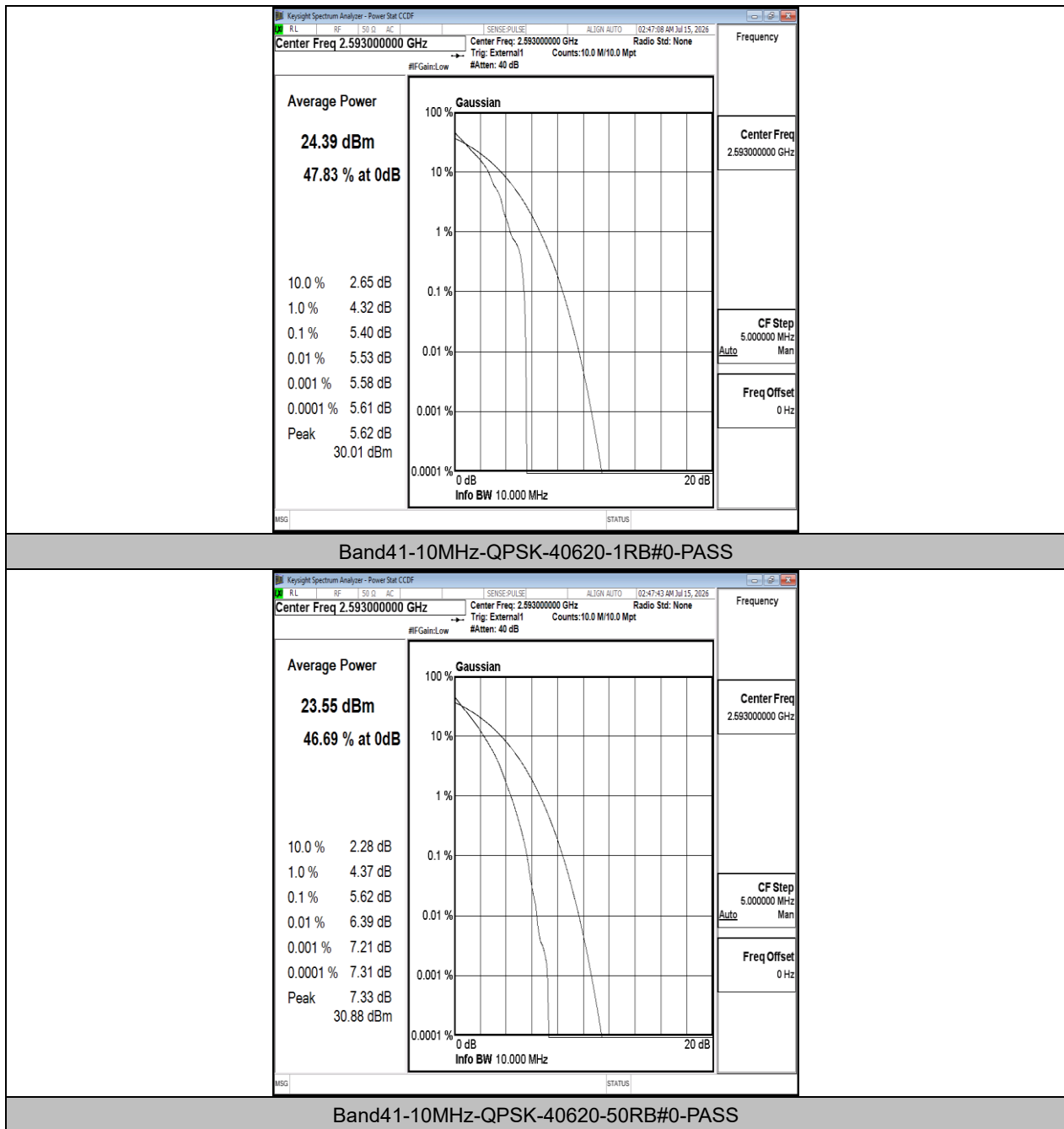


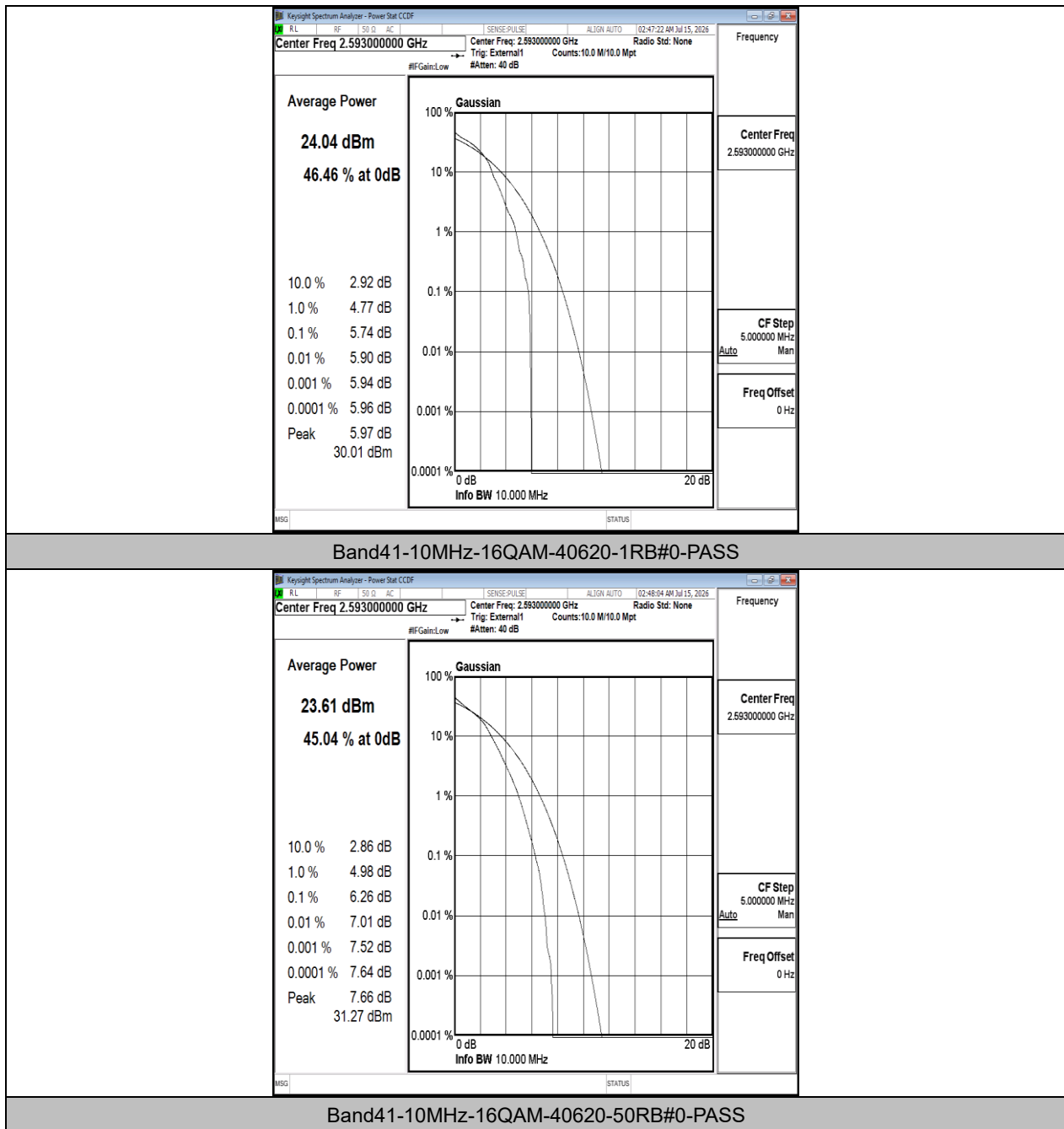


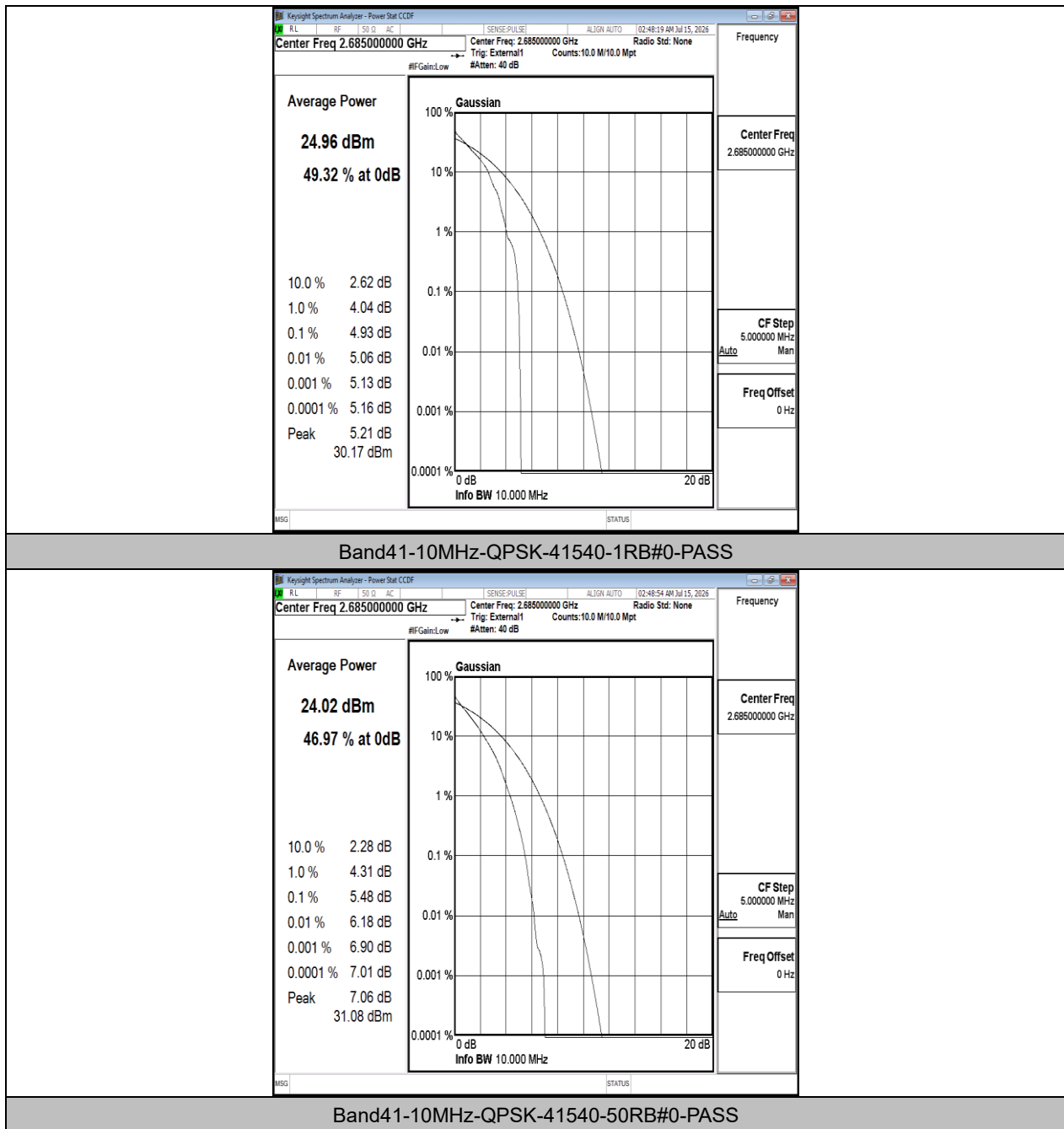


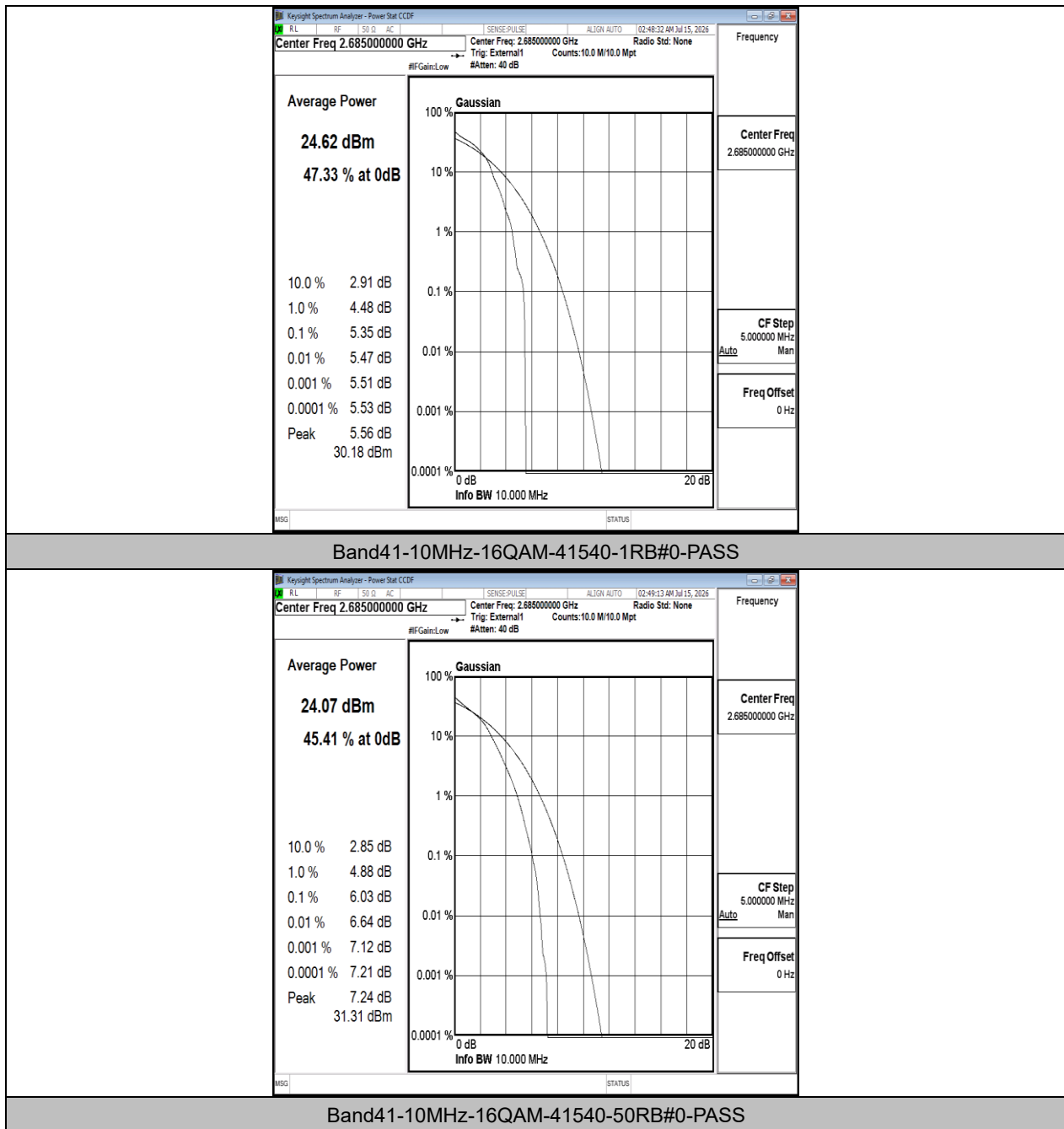


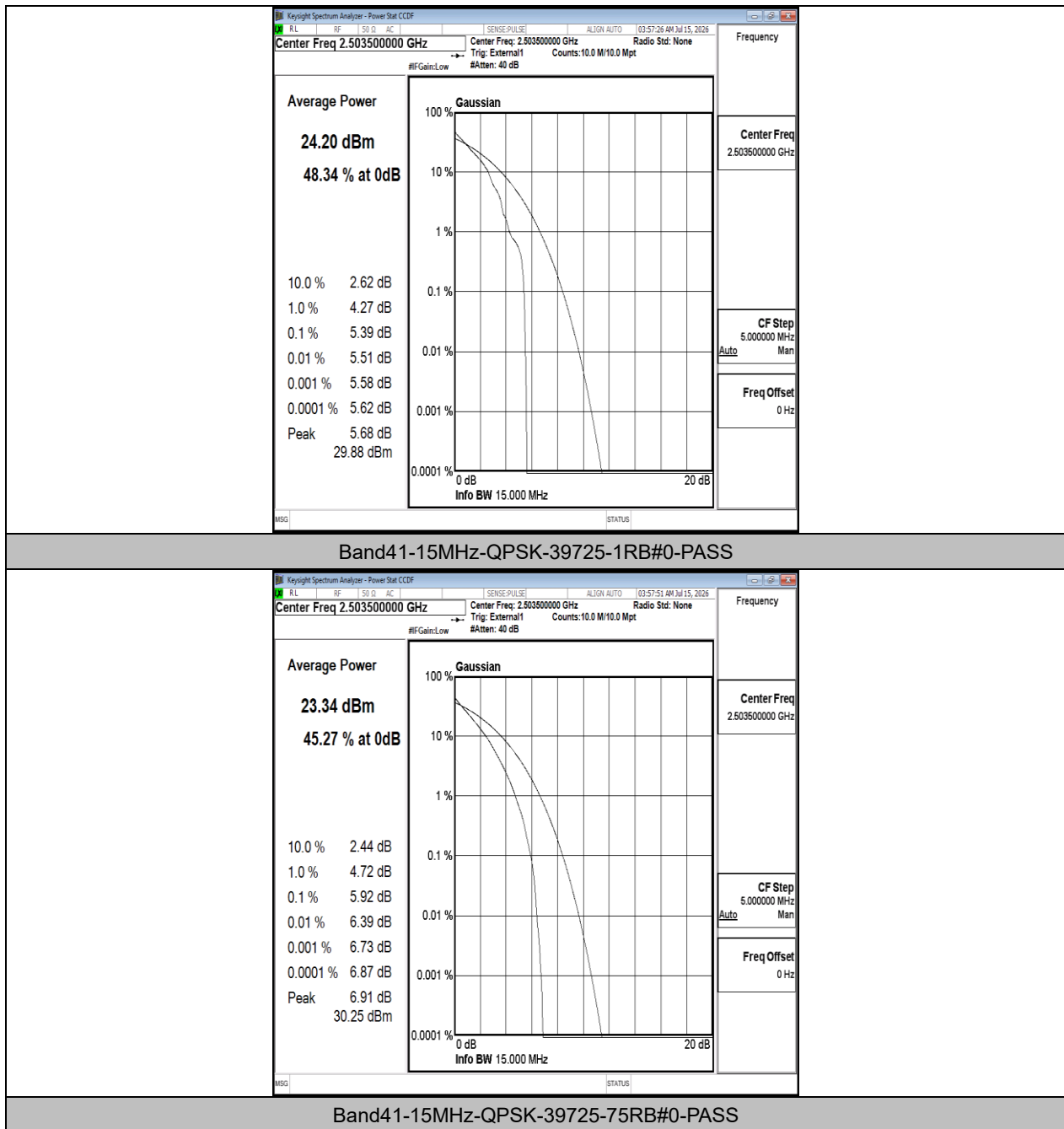


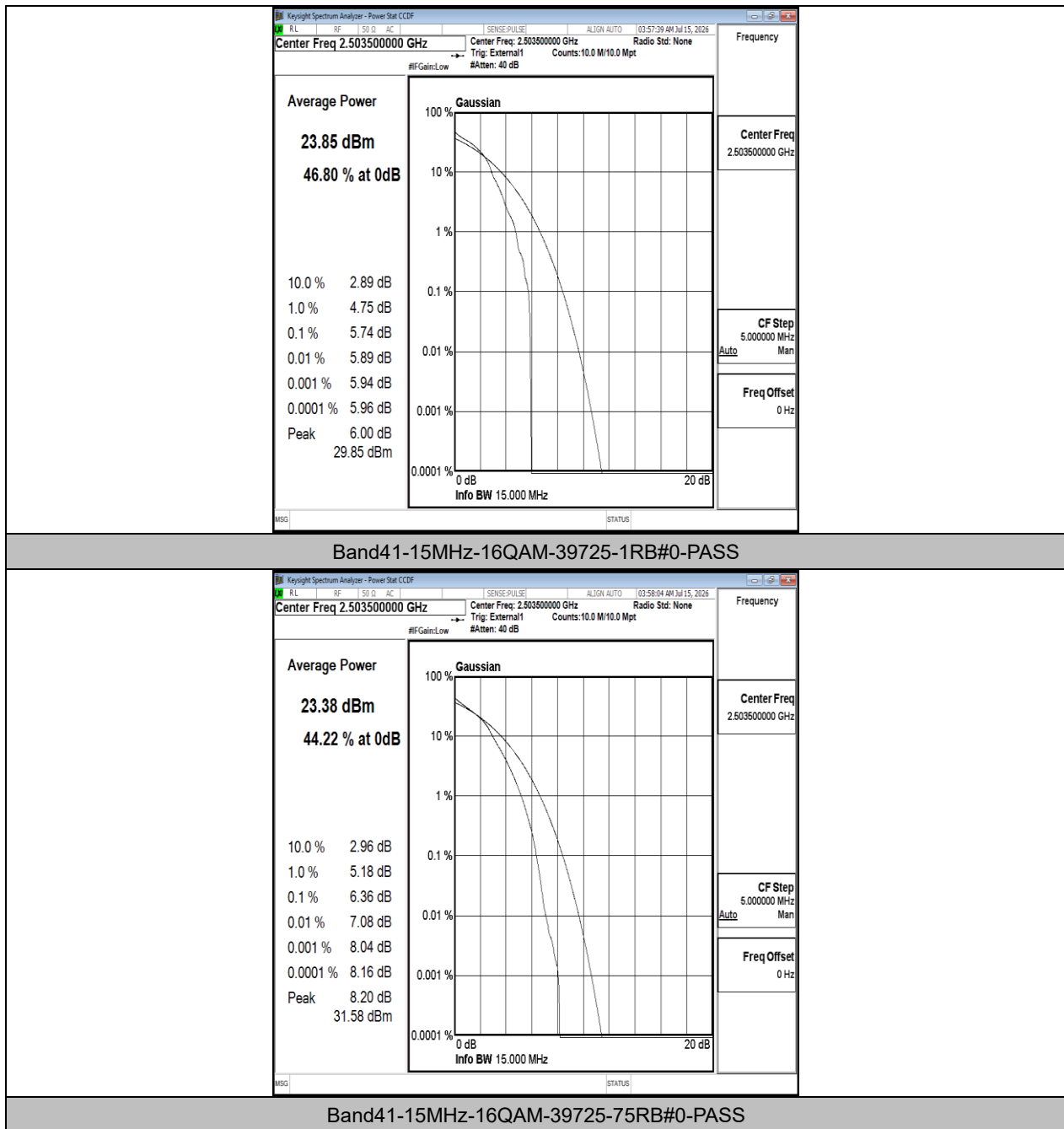


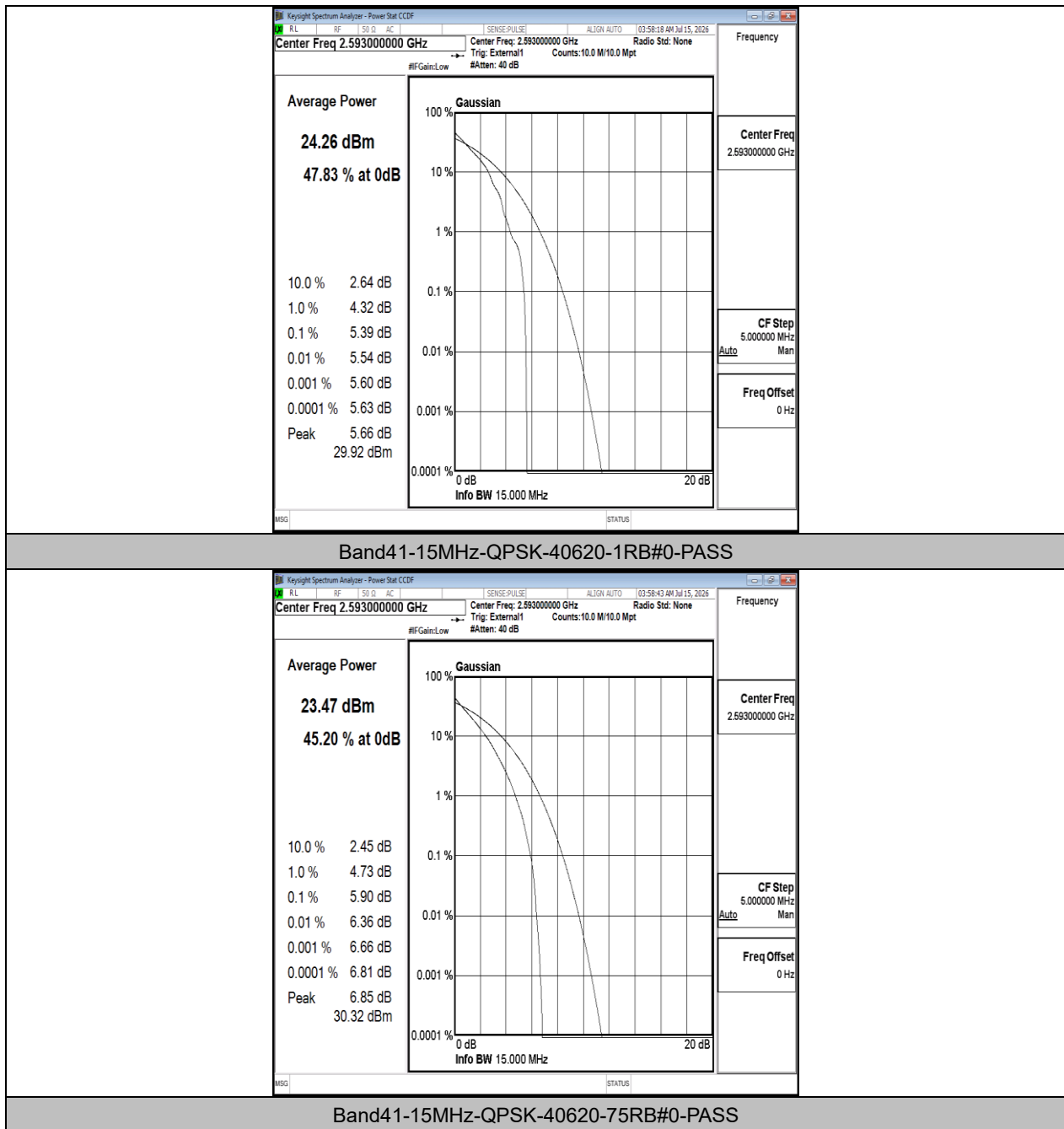


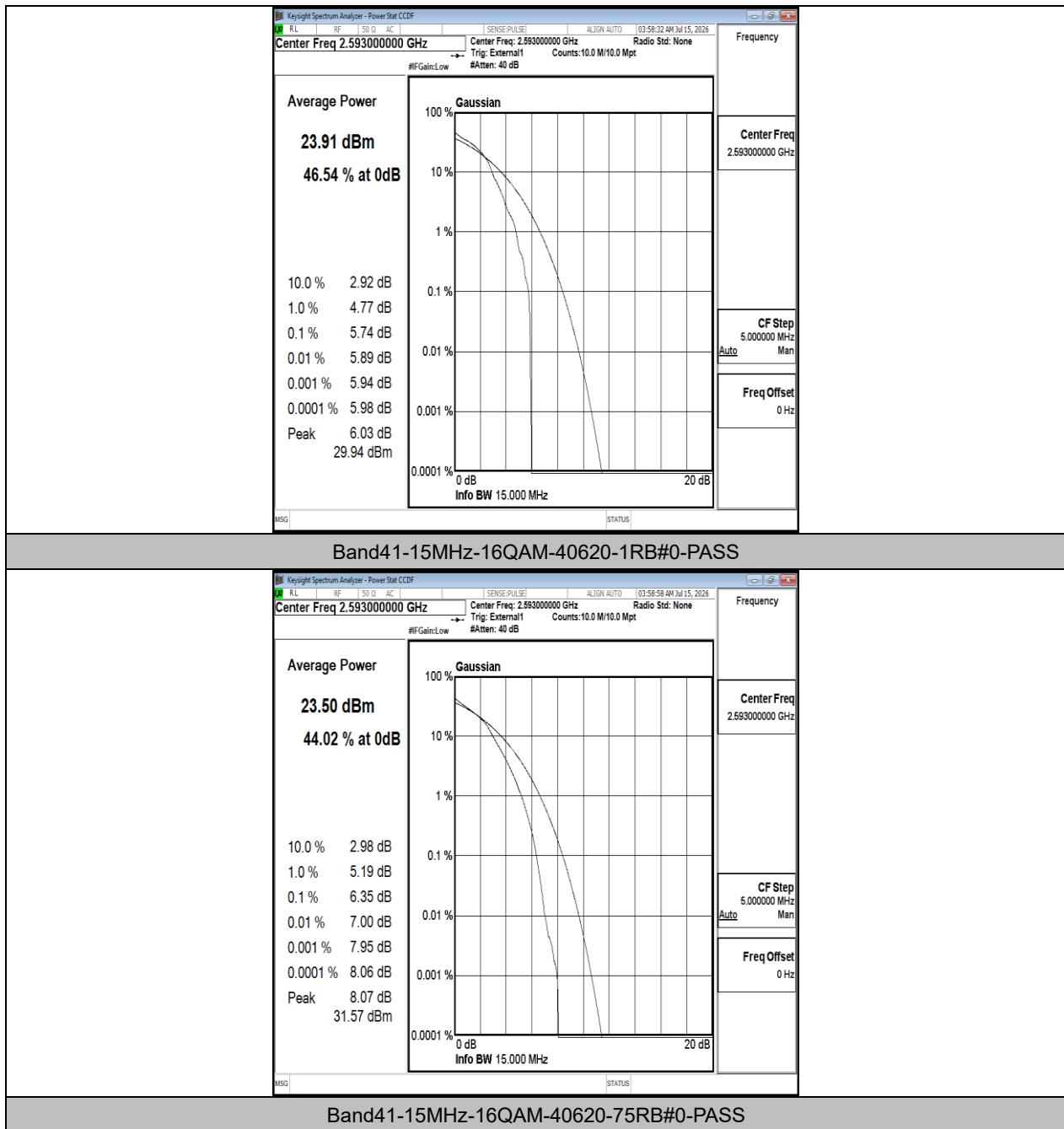


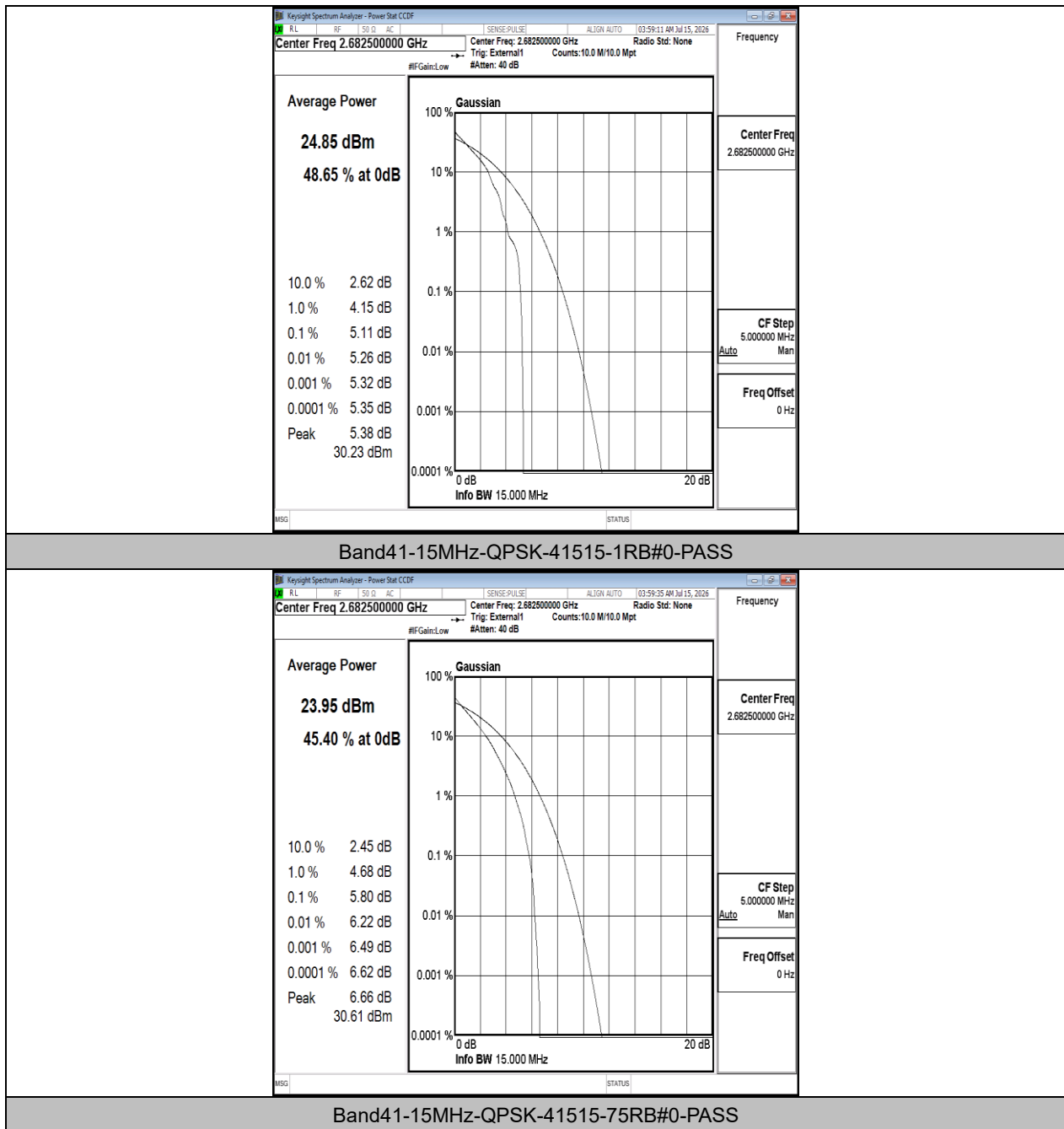


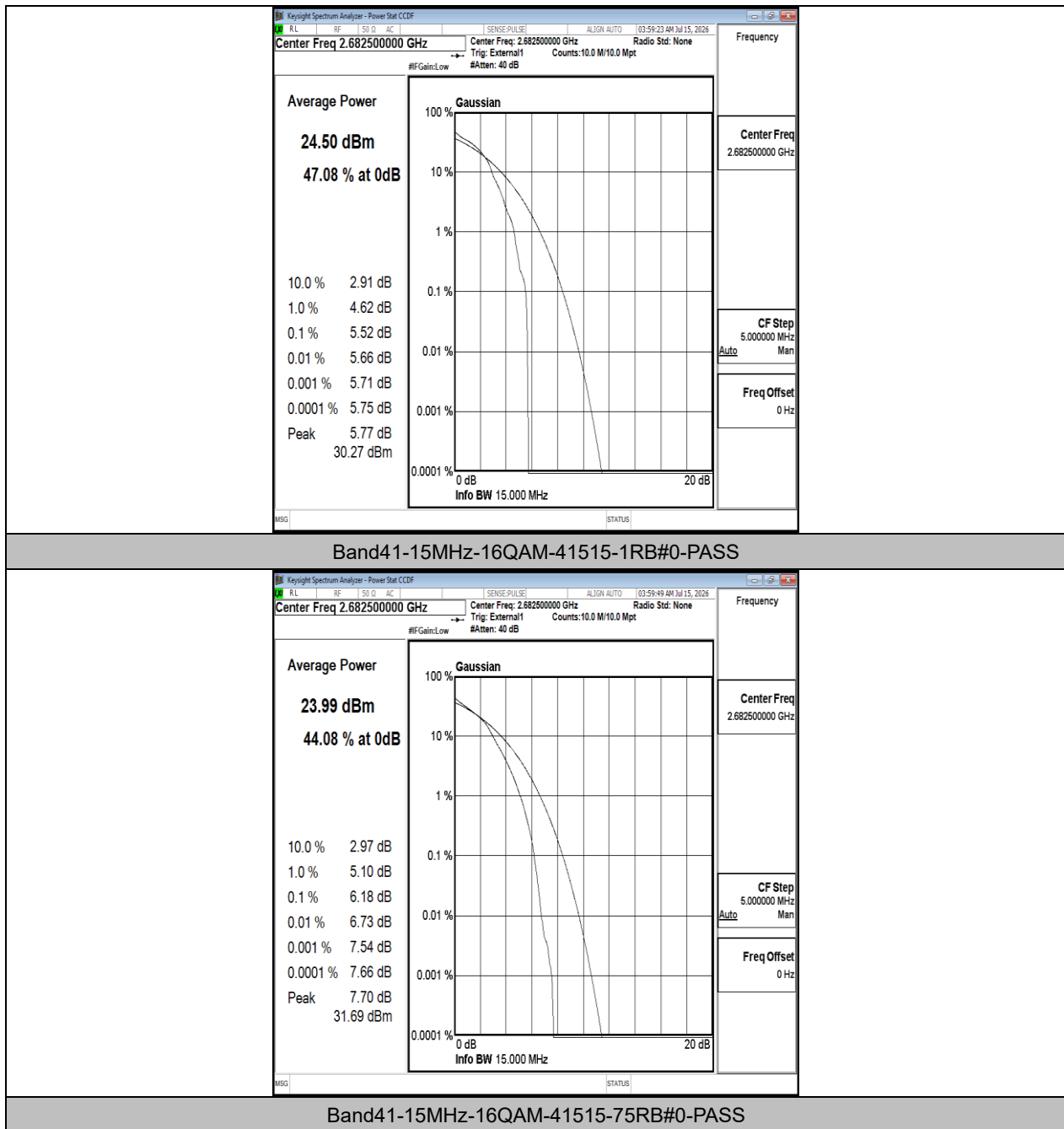


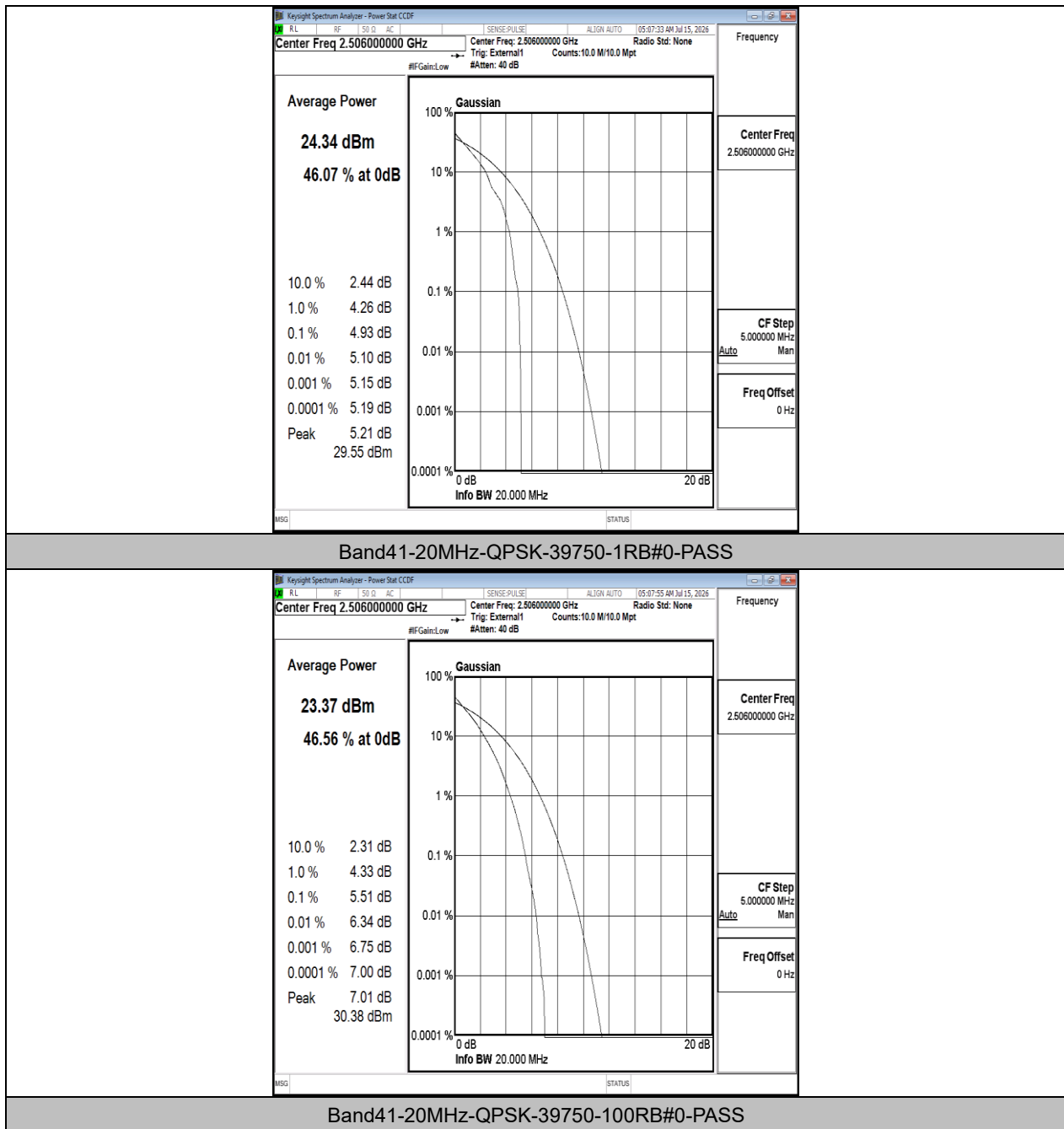


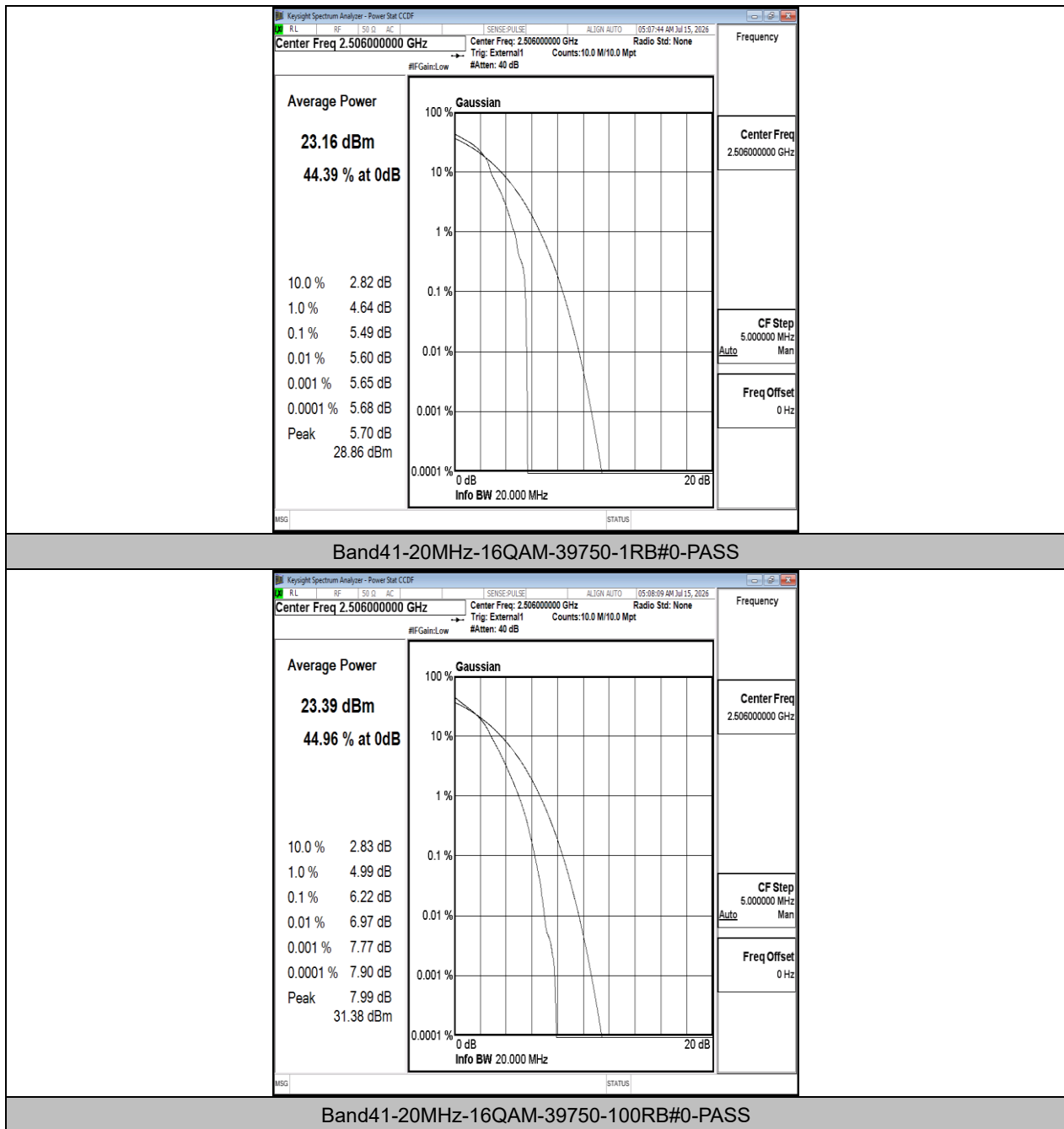


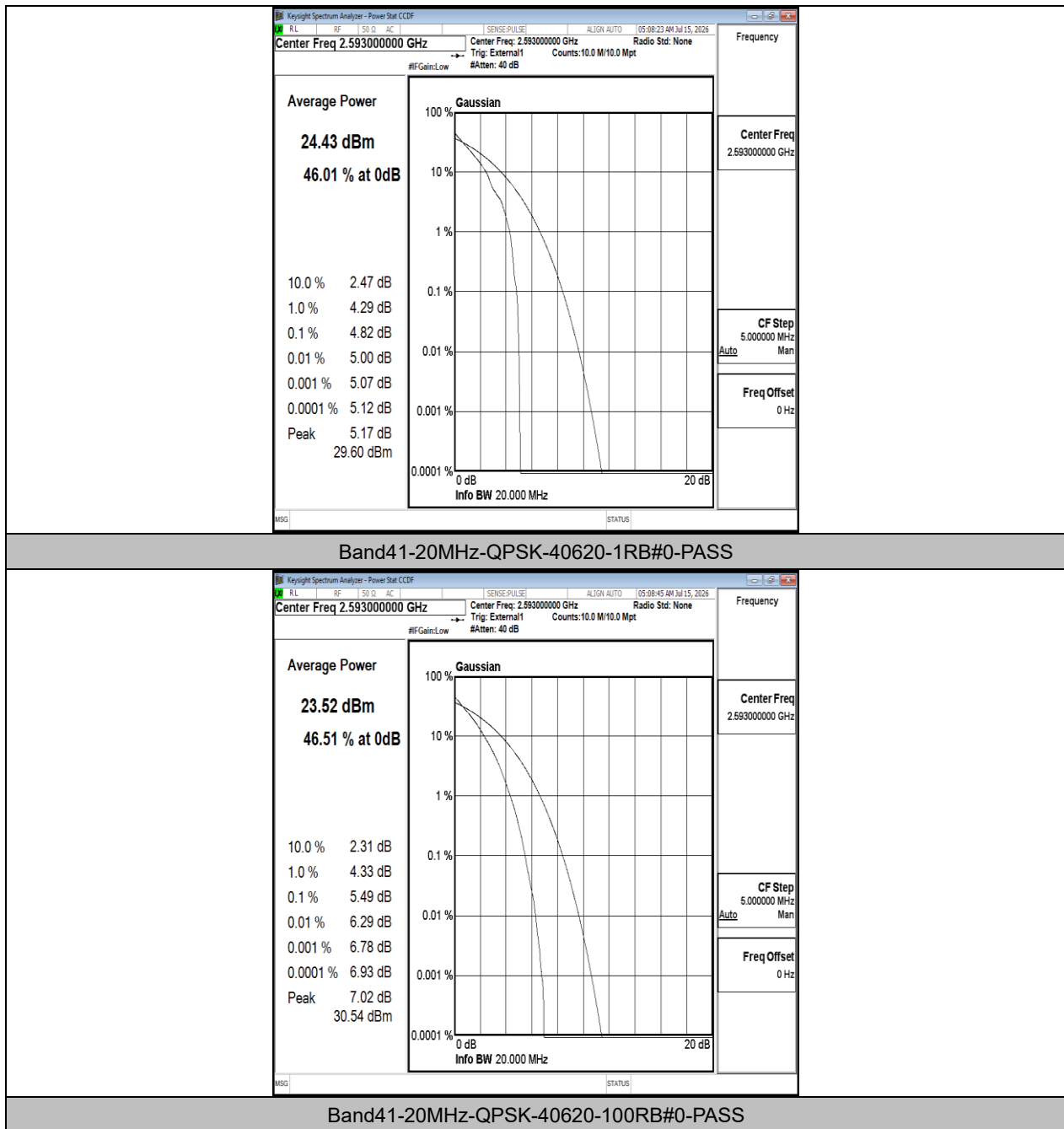


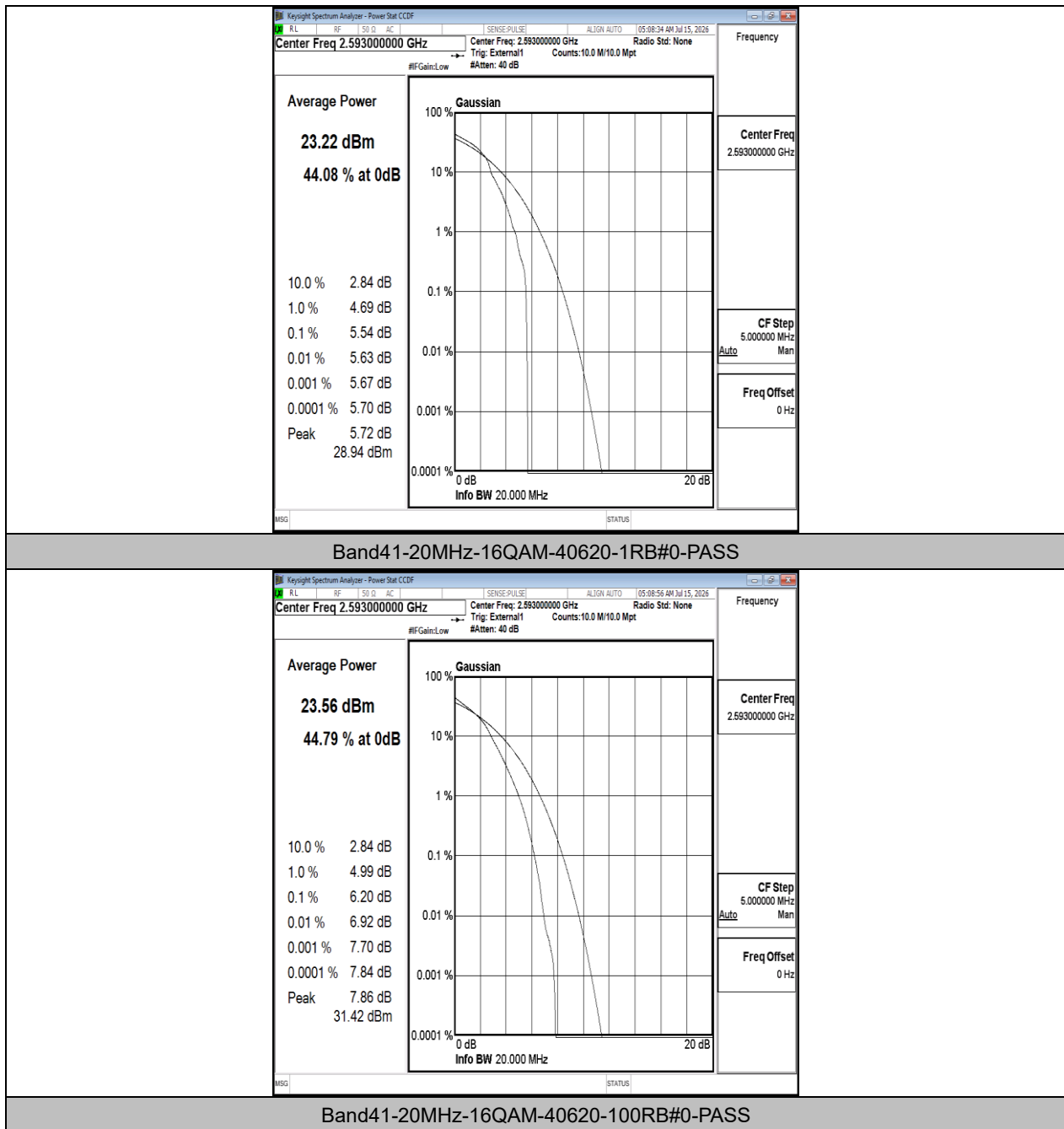


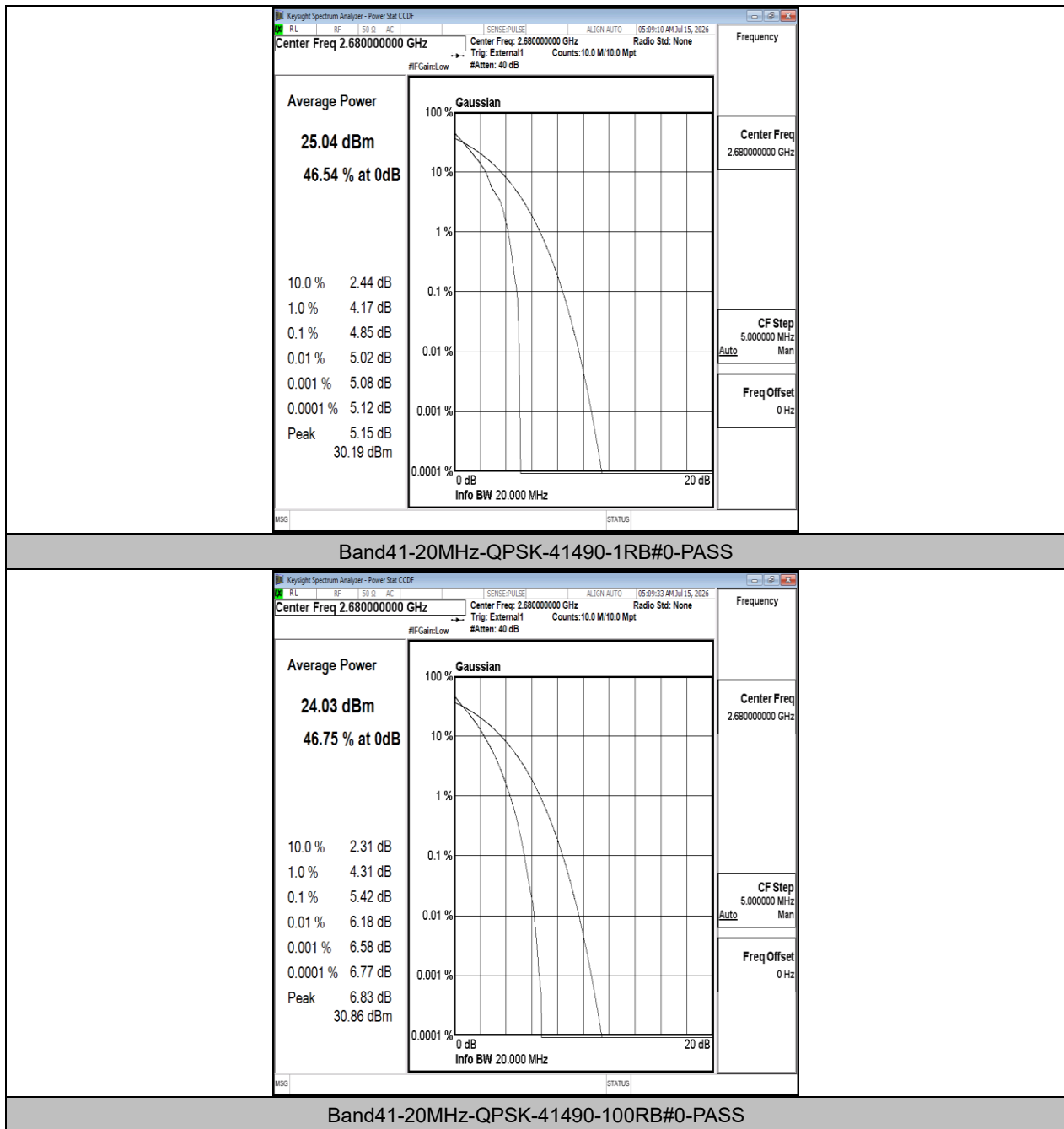


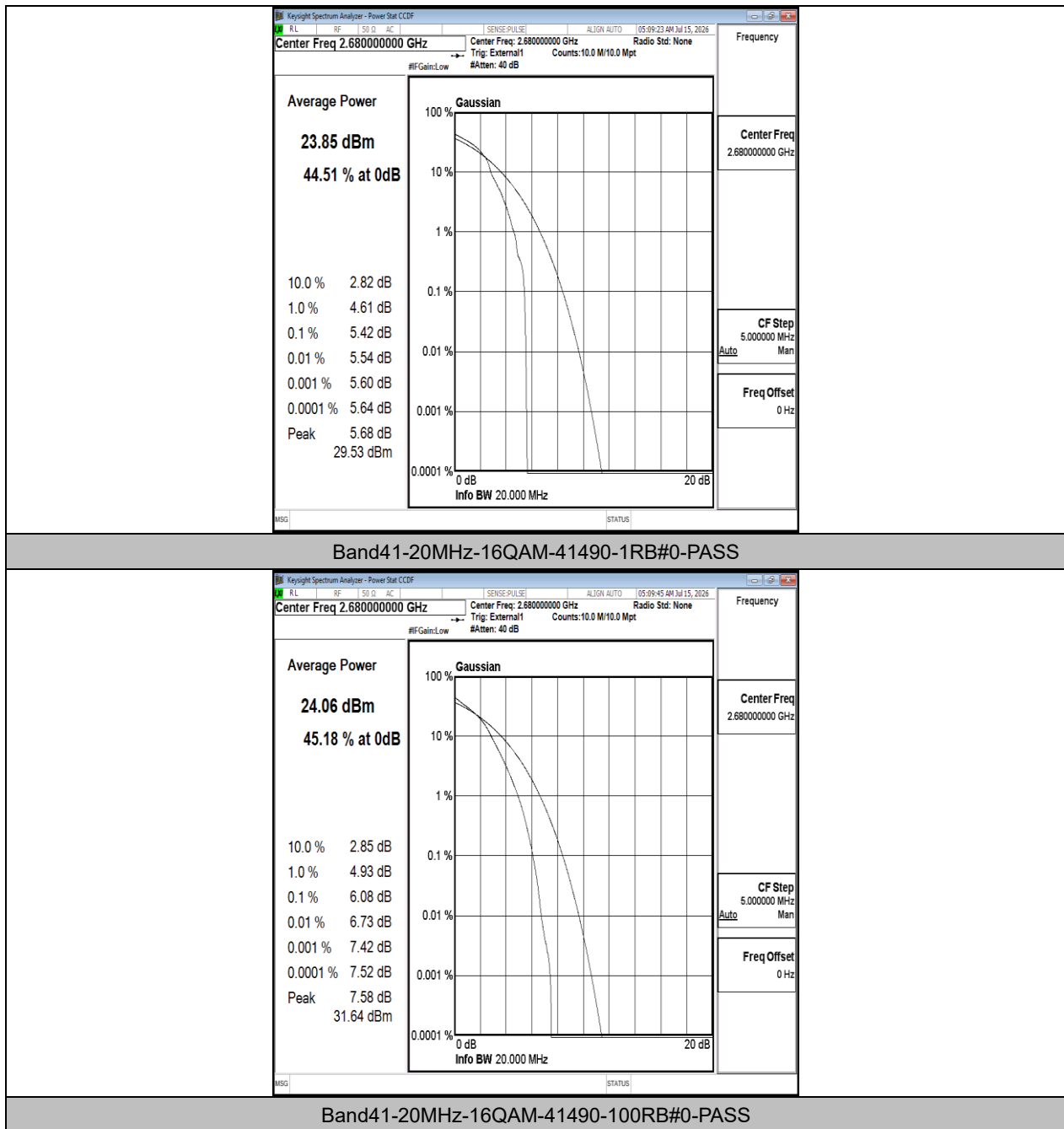










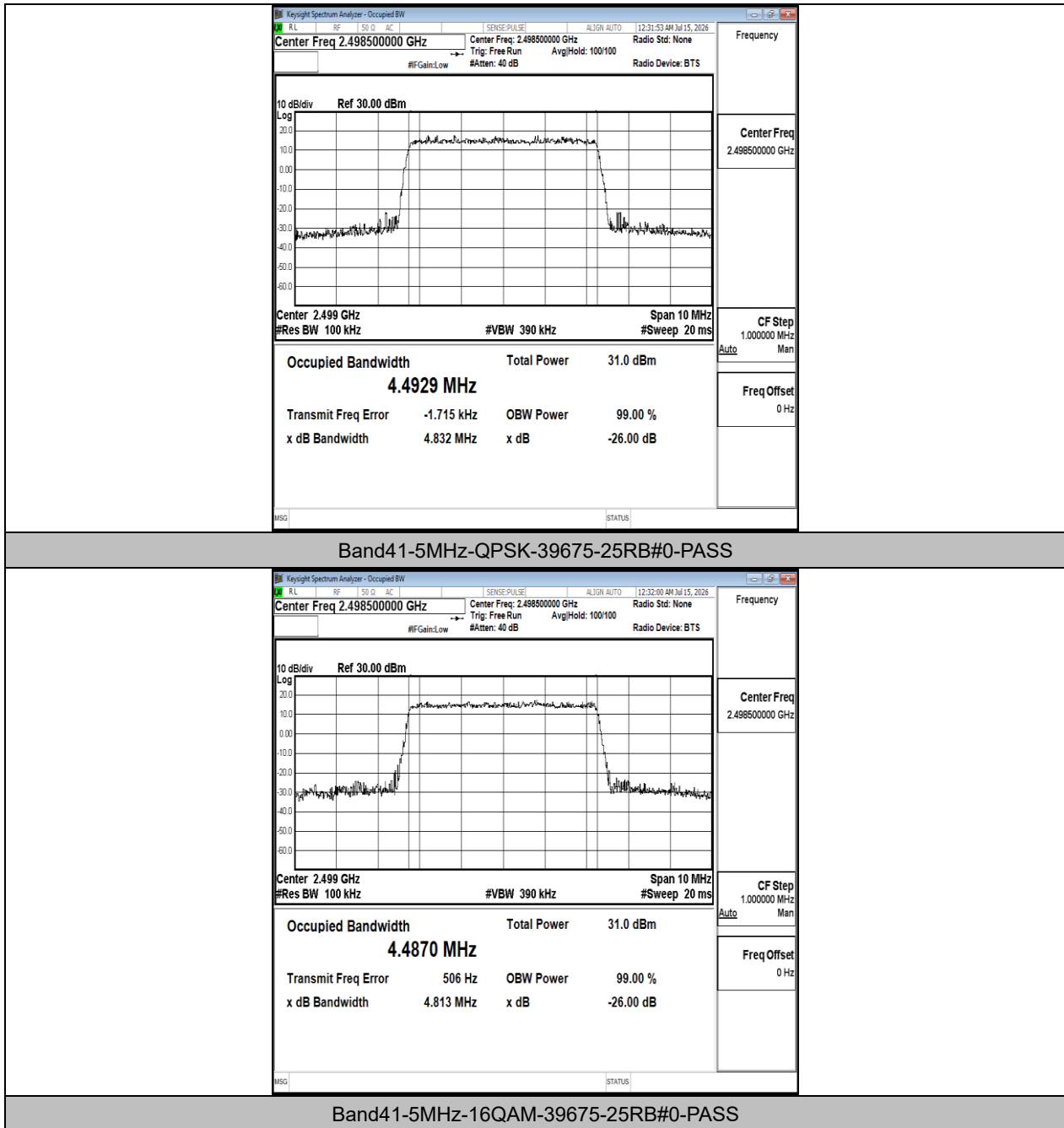


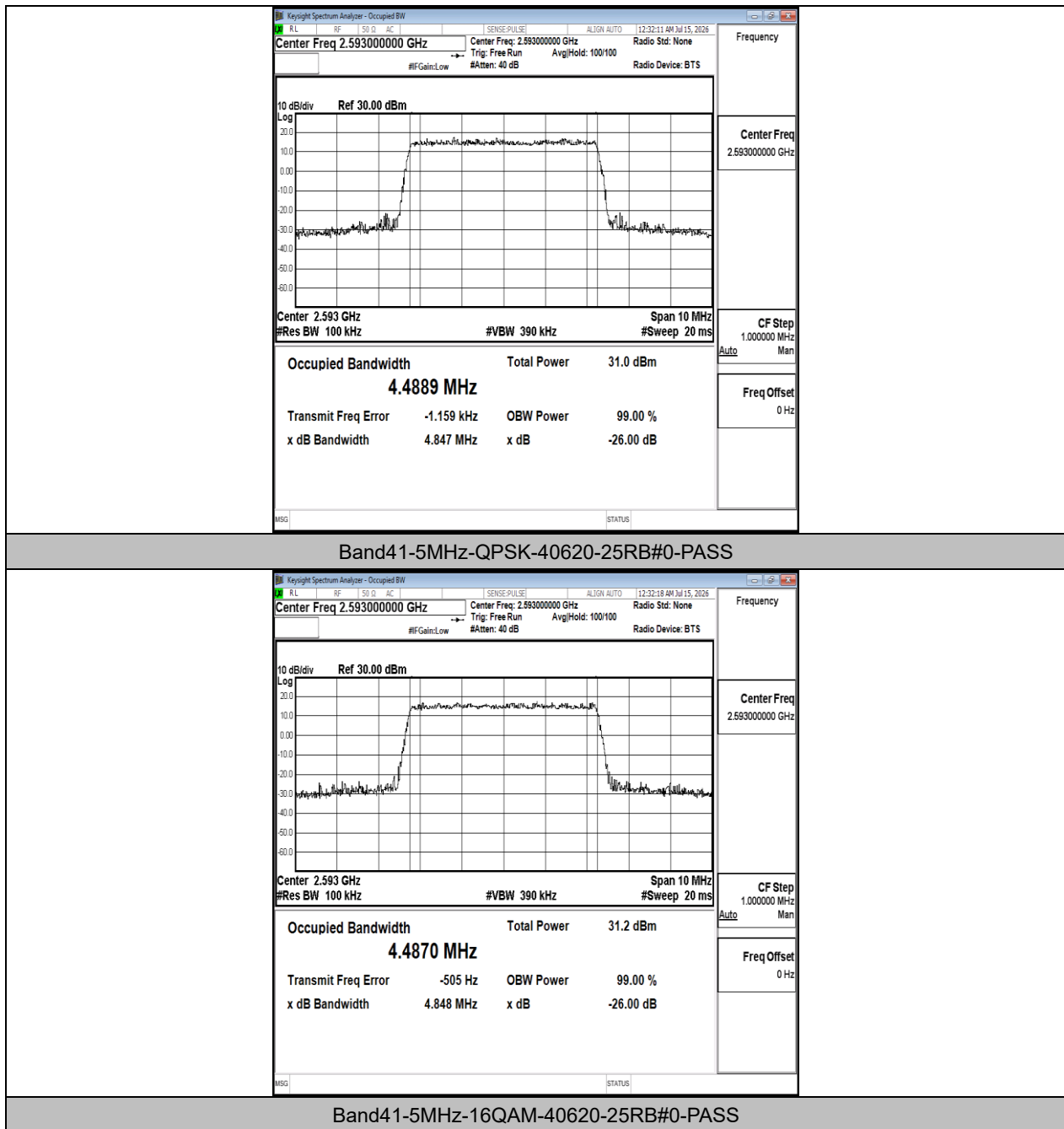
M.3 26dB Bandwidth and Occupied Bandwidth

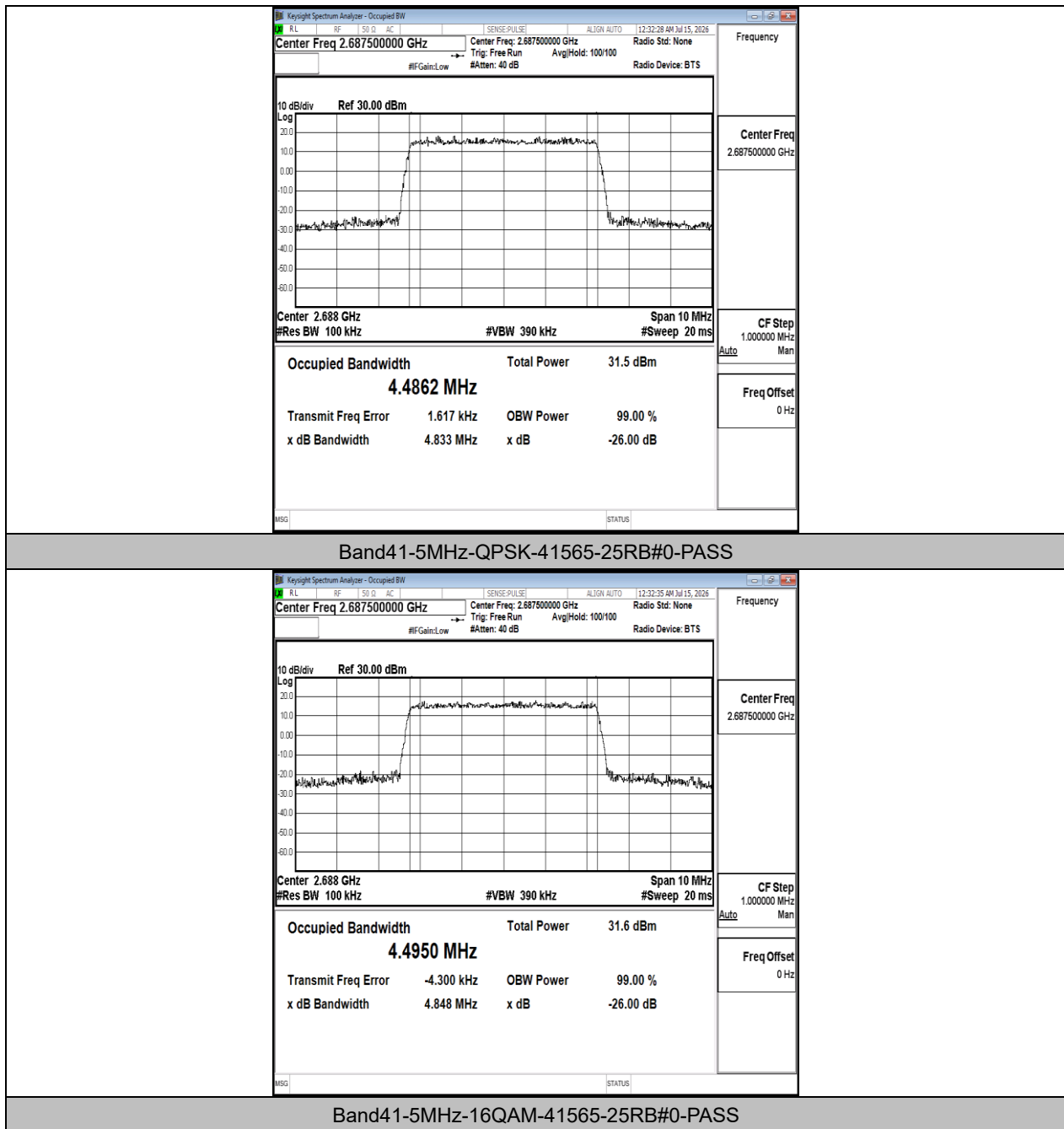
Test Result

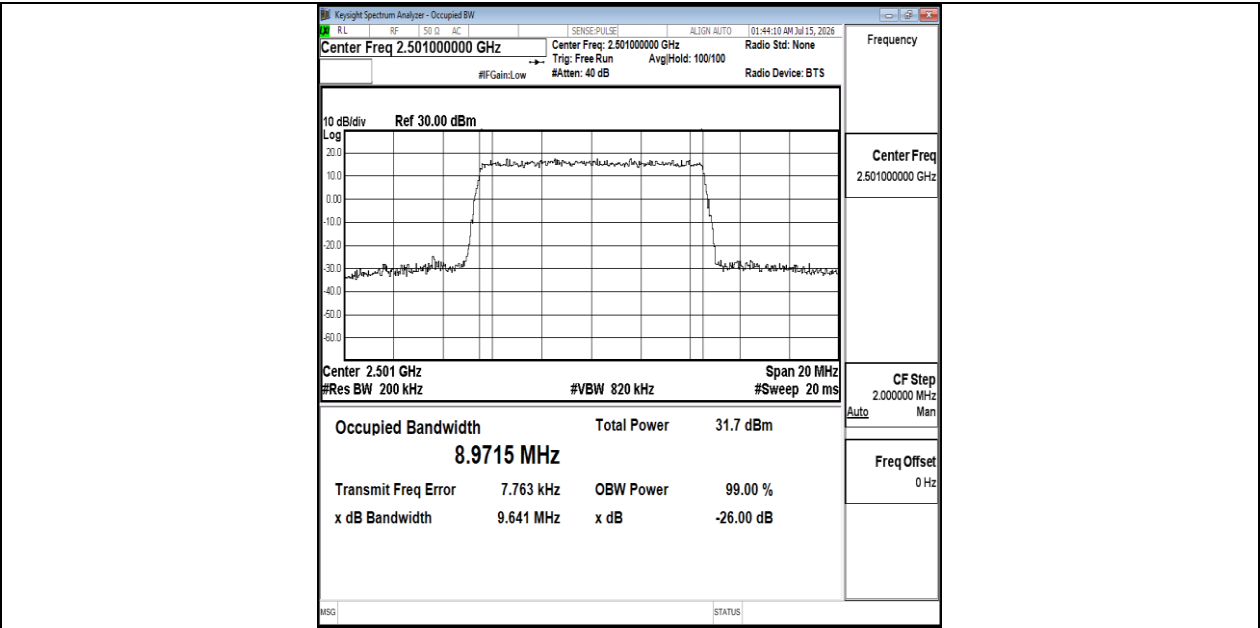
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.4929	4.832	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4870	4.813	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4889	4.847	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4870	4.848	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4862	4.833	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4950	4.848	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9715	9.641	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9453	9.593	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9415	9.654	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9433	9.615	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9497	9.658	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9831	9.633	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.483	14.46	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.451	14.47	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.442	14.47	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.452	14.49	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.441	14.42	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.441	14.46	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.954	19.47	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.909	19.43	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.952	19.42	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.867	19.45	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.981	19.41	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.920	19.50	PASS

Test Graphs

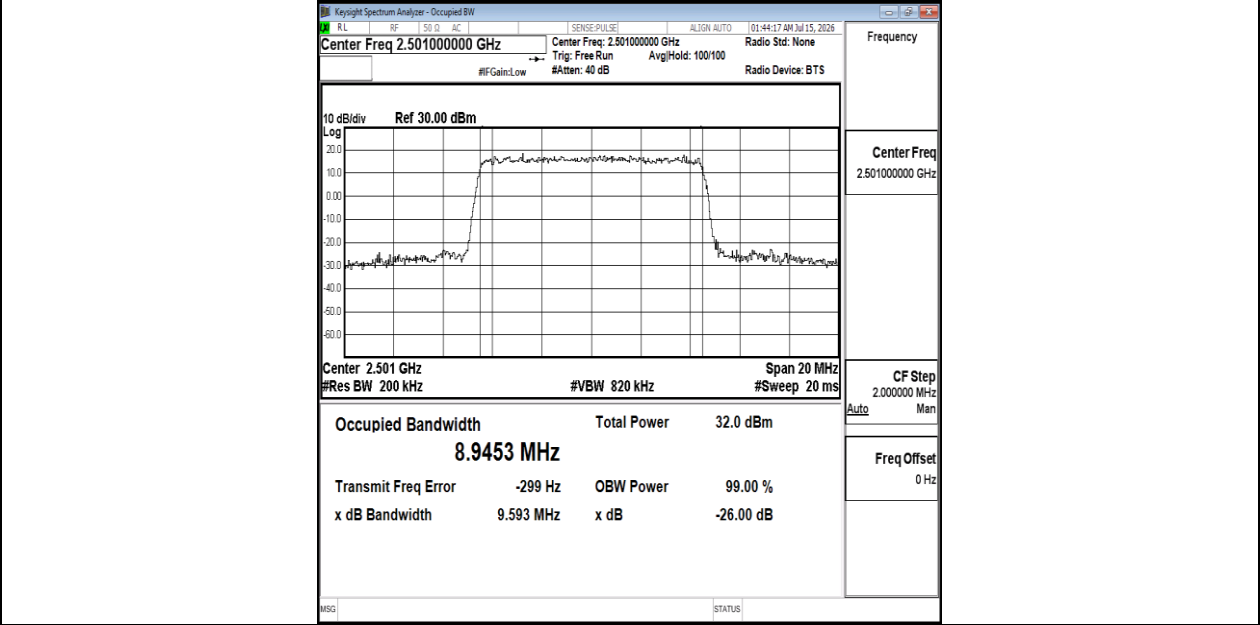








Band41-10MHz-QPSK-39700-50RB#0-PASS



Band41-10MHz-16QAM-39700-50RB#0-PASS

