

Appendix O: Test Data for E-UTRA Band 26 (814-824)

Product Name: Smart Phone

Test Model: ULTRA S25

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

O.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	1RB#0	24.56	PASS
Band26(814-824)	1.4MHz	QPSK	26697	1RB#2	24.63	PASS
Band26(814-824)	1.4MHz	QPSK	26697	1RB#5	24.57	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#0	24.60	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#1	24.68	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#3	24.55	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	24.09	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#0	23.95	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#2	24.73	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#5	23.72	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#0	23.19	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#1	23.44	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#3	23.29	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	22.57	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#0	24.58	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#2	24.30	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#5	24.53	PASS
Band26(814-824)	1.4MHz	QPSK	26740	3RB#0	24.53	PASS
Band26(814-824)	1.4MHz	QPSK	26740	3RB#1	24.44	PASS
Band26(814-824)	1.4MHz	QPSK	26740	3RB#3	24.45	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	24.02	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#0	24.53	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#2	24.10	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#5	24.15	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#0	23.33	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#1	23.28	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#3	23.30	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	22.56	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#0	24.28	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#2	24.37	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#5	24.22	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#0	24.29	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#1	24.29	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#3	24.36	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	23.80	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#0	24.11	PASS

Band26(814-824)	1.4MHz	16QAM	26783	1RB#2	24.82	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#5	24.41	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#0	23.03	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#1	23.35	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#3	22.86	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	22.72	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#0	24.56	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#8	24.73	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#14	24.48	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#0	24.05	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#4	24.08	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#7	24.05	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	24.08	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#0	23.92	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#8	25.40	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#14	23.69	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#0	22.59	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#4	22.42	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#7	22.67	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	22.39	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#0	24.57	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#8	24.31	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#14	24.53	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#0	23.89	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#4	23.90	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#7	23.89	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	23.90	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#0	24.63	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#8	24.69	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#14	24.47	PASS
Band26(814-824)	3MHz	16QAM	26740	8RB#0	22.80	PASS
Band26(814-824)	3MHz	16QAM	26740	8RB#4	22.63	PASS
Band26(814-824)	3MHz	16QAM	26740	8RB#7	22.63	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	22.58	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#0	24.30	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#8	24.52	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#14	24.27	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#0	23.81	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#4	23.84	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#7	23.85	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	23.81	PASS

Band26(814-824)	3MHz	16QAM	26775	1RB#0	23.78	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#8	24.72	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#14	23.55	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#0	22.65	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#4	22.62	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#7	22.86	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	22.69	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#0	24.65	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#12	24.44	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#24	24.39	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#0	23.99	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#6	24.04	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#13	24.04	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	24.01	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#0	23.97	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#12	24.53	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#24	24.22	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#0	22.66	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#6	22.60	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#13	22.58	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	22.38	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#0	24.62	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#12	24.55	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#24	24.41	PASS
Band26(814-824)	5MHz	QPSK	26740	12RB#0	24.00	PASS
Band26(814-824)	5MHz	QPSK	26740	12RB#6	23.97	PASS
Band26(814-824)	5MHz	QPSK	26740	12RB#13	23.85	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	23.93	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#0	24.03	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#12	23.56	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#24	23.80	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#0	22.59	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#6	22.51	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#13	22.63	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	22.48	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#0	24.31	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#12	24.33	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#24	24.06	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#0	23.86	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#6	23.80	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#13	23.83	PASS

Band26(814-824)	5MHz	QPSK	26765	25RB#0	23.80	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#0	23.14	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#12	23.67	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#24	22.92	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#0	22.38	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#6	22.33	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#13	22.67	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	22.50	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#0	24.50	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#24	24.67	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#49	24.15	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#0	24.04	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#12	23.97	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#25	23.89	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	24.01	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#0	23.97	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#24	24.98	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#49	23.60	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#0	22.66	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#12	22.57	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#25	22.61	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	22.46	PASS

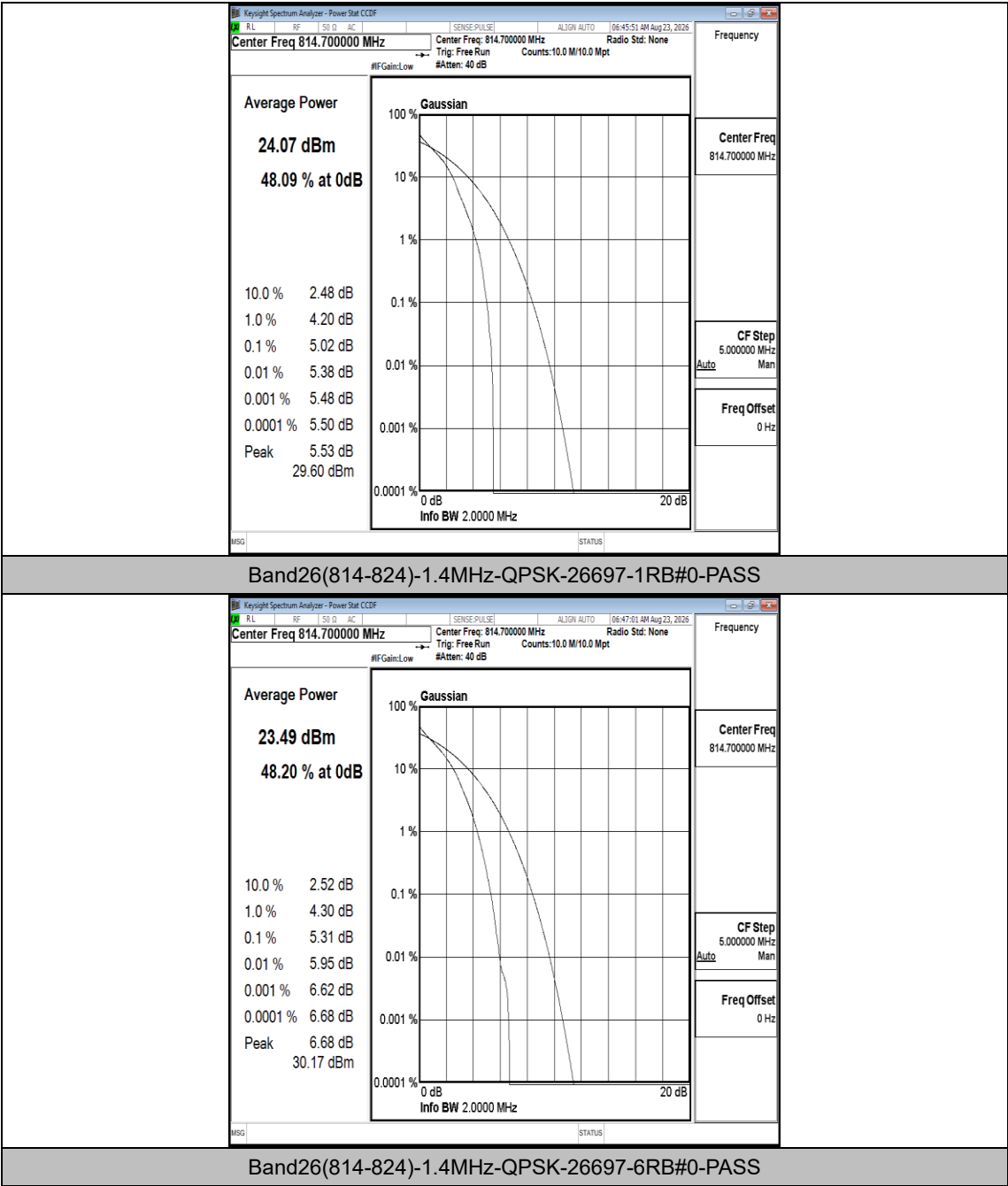
O.2 Peak-to-Average Ratio (CCDF)

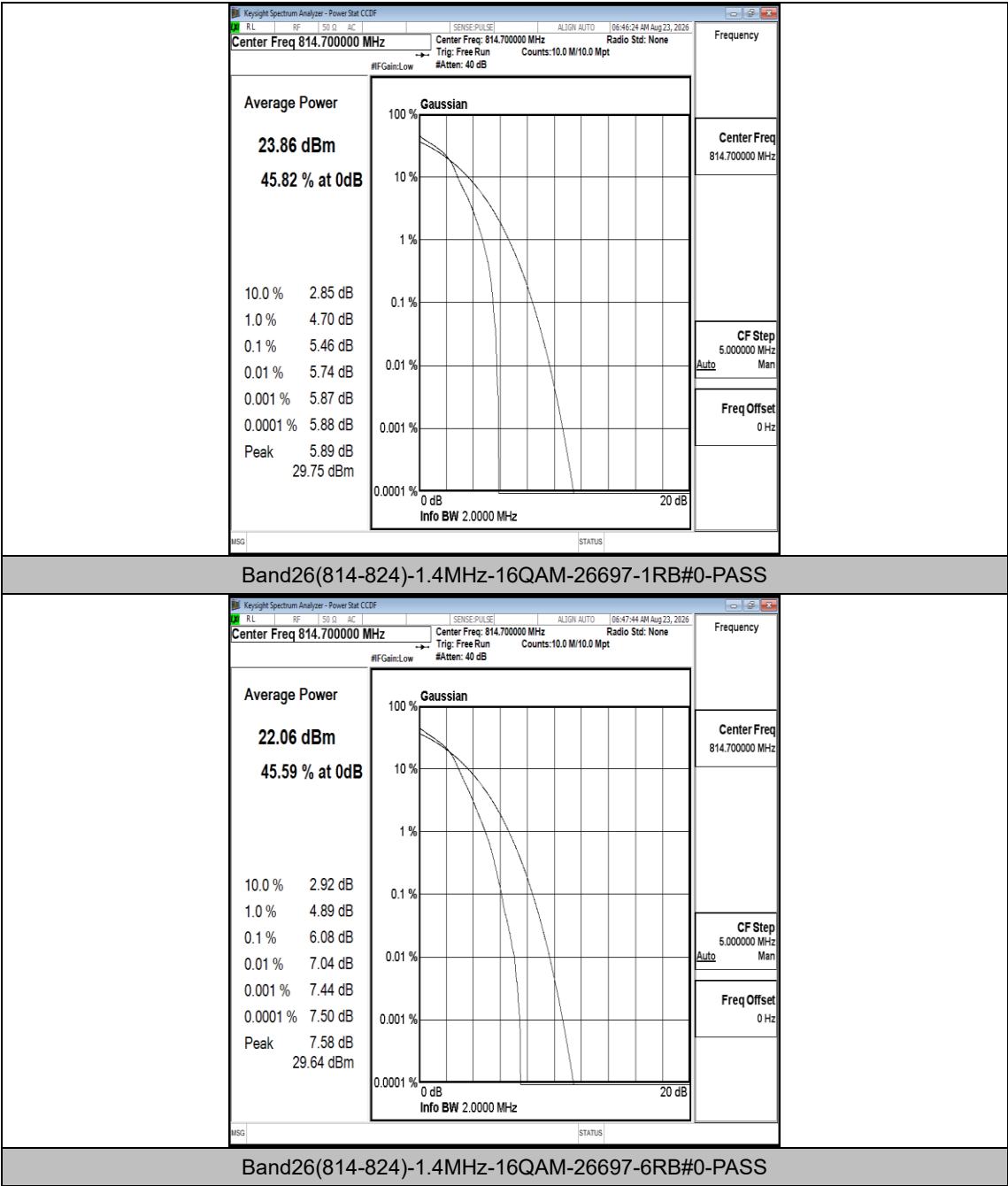
Test Result

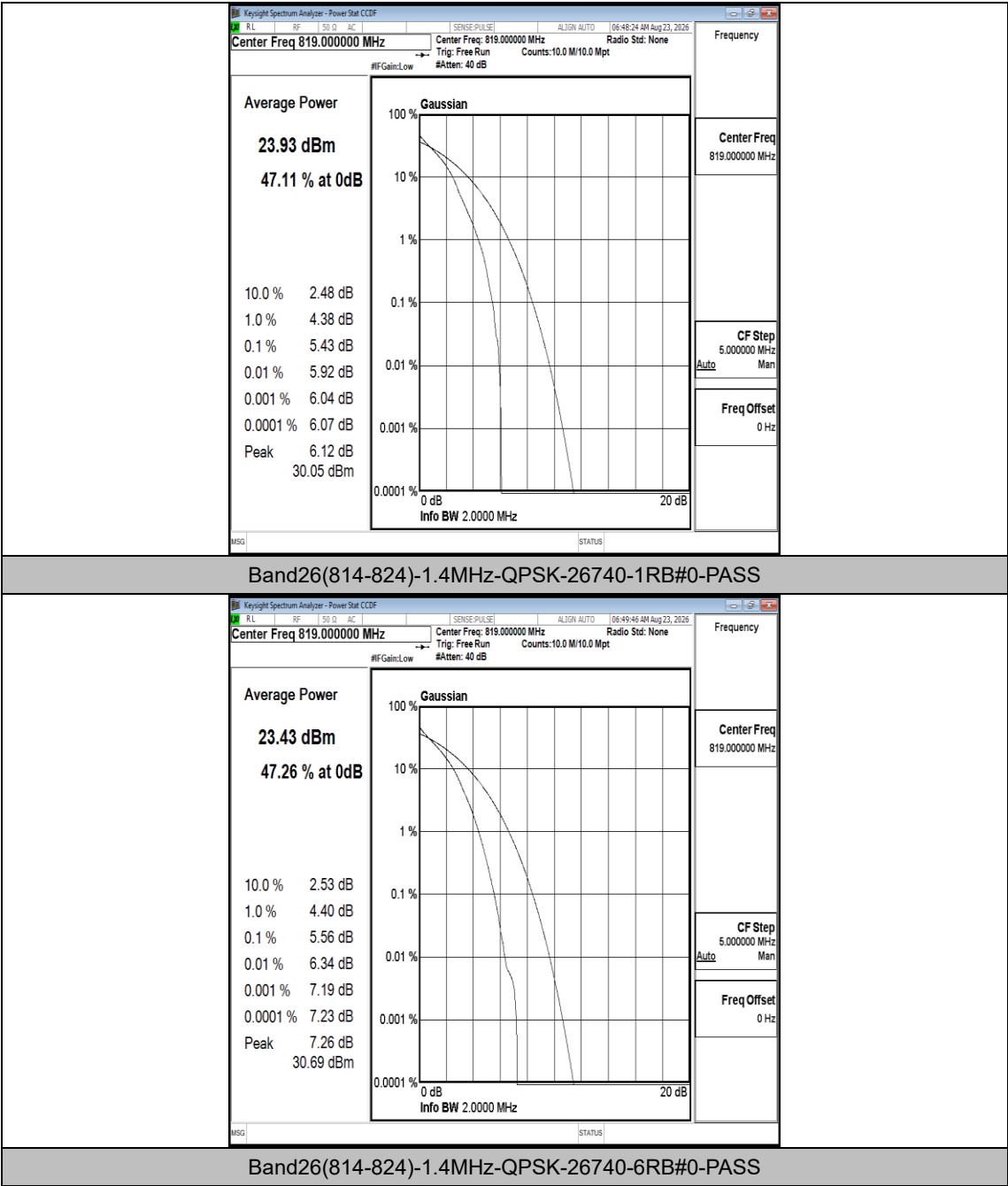
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	1RB#0	5.02	13	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	5.31	13	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#0	5.46	13	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	6.08	13	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#0	5.43	13	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	5.56	13	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#0	5.88	13	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	6.21	13	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#0	5.71	13	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	5.64	13	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#0	6.30	13	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	6.28	13	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#0	4.99	13	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	5.48	13	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#0	5.75	13	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	6.29	13	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#0	5.22	13	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	5.64	13	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#0	6.01	13	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	6.40	13	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#0	5.61	13	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	5.69	13	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#0	6.44	13	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	6.45	13	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#0	5.19	13	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	5.52	13	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#0	5.72	13	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	6.20	13	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#0	5.29	13	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	5.60	13	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#0	5.82	13	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	6.27	13	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#0	5.77	13	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	5.69	13	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#0	6.09	13	PASS

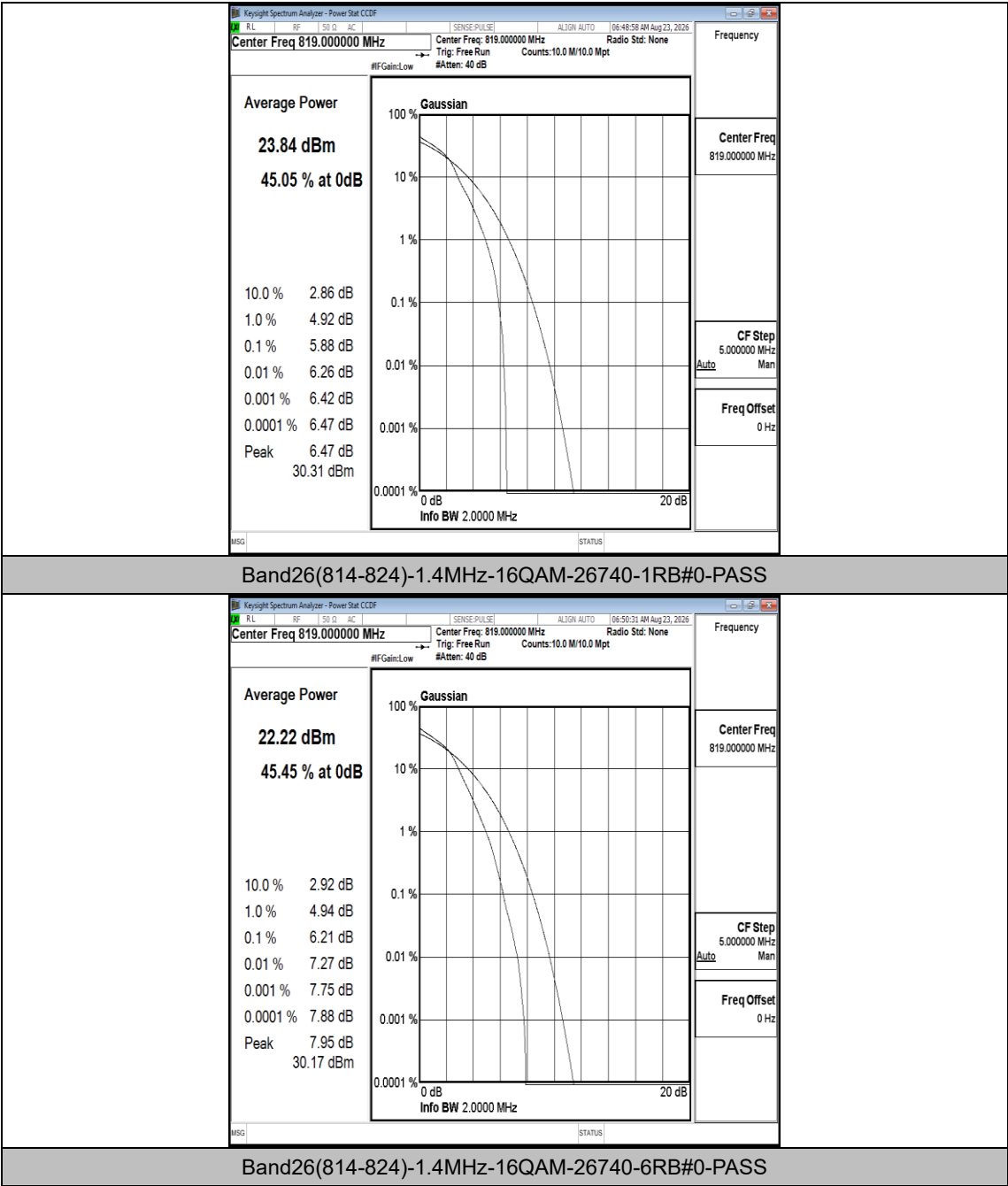
Band26(814-824)	5MHz	16QAM	26765	25RB#0	6.33	13	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#0	4.77	13	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	5.60	13	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#0	5.45	13	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	6.33	13	PASS

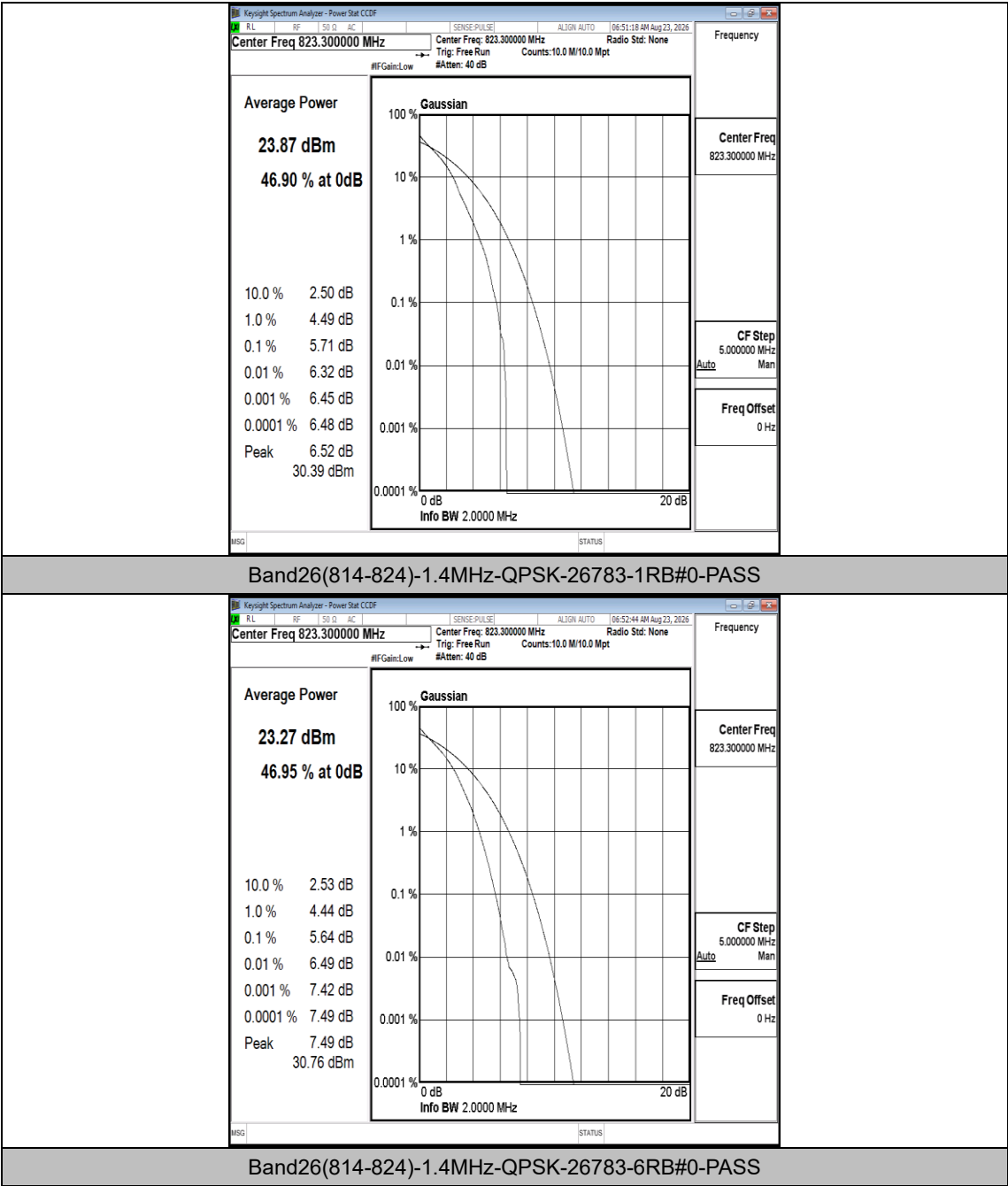
Test Graphs

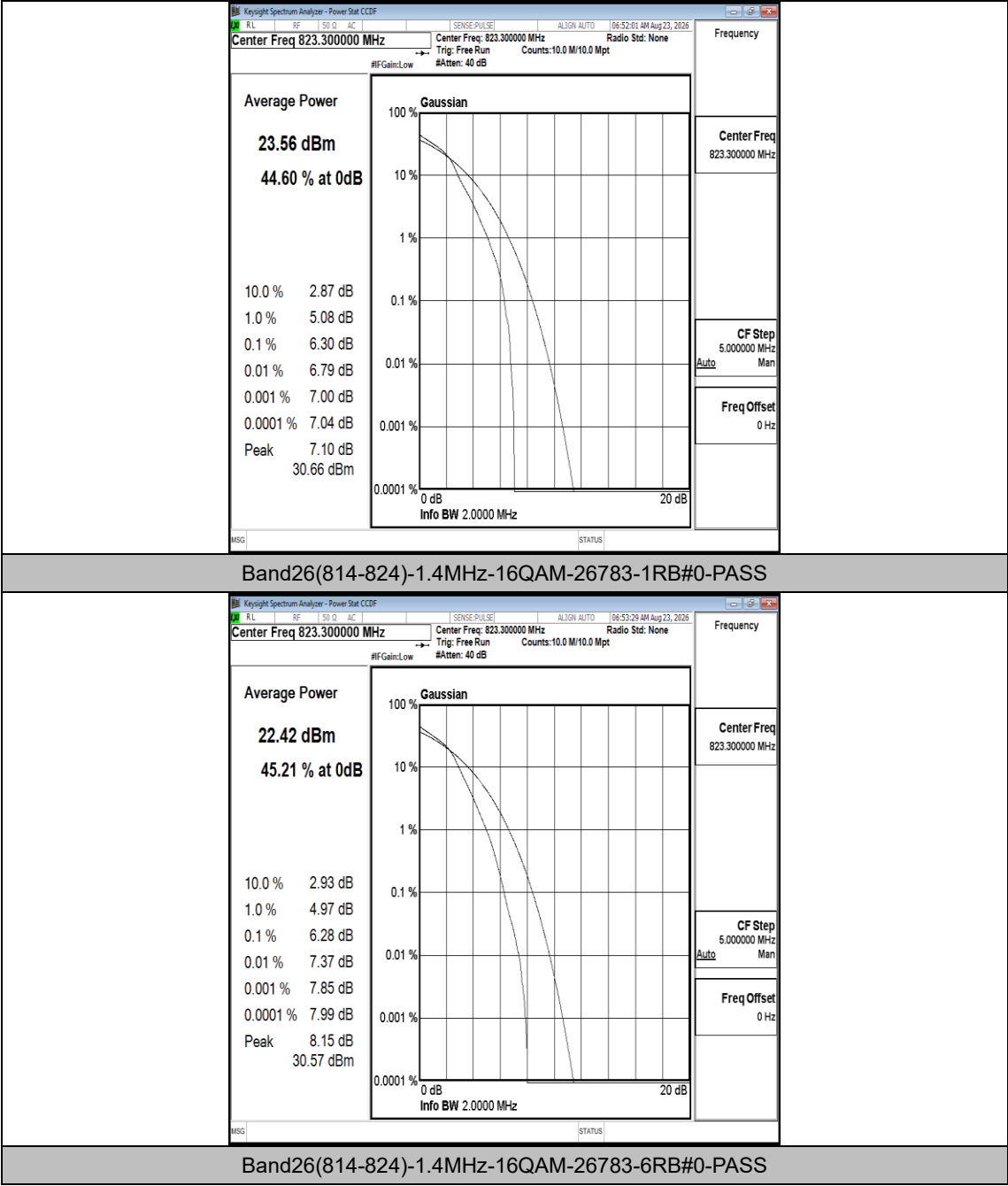


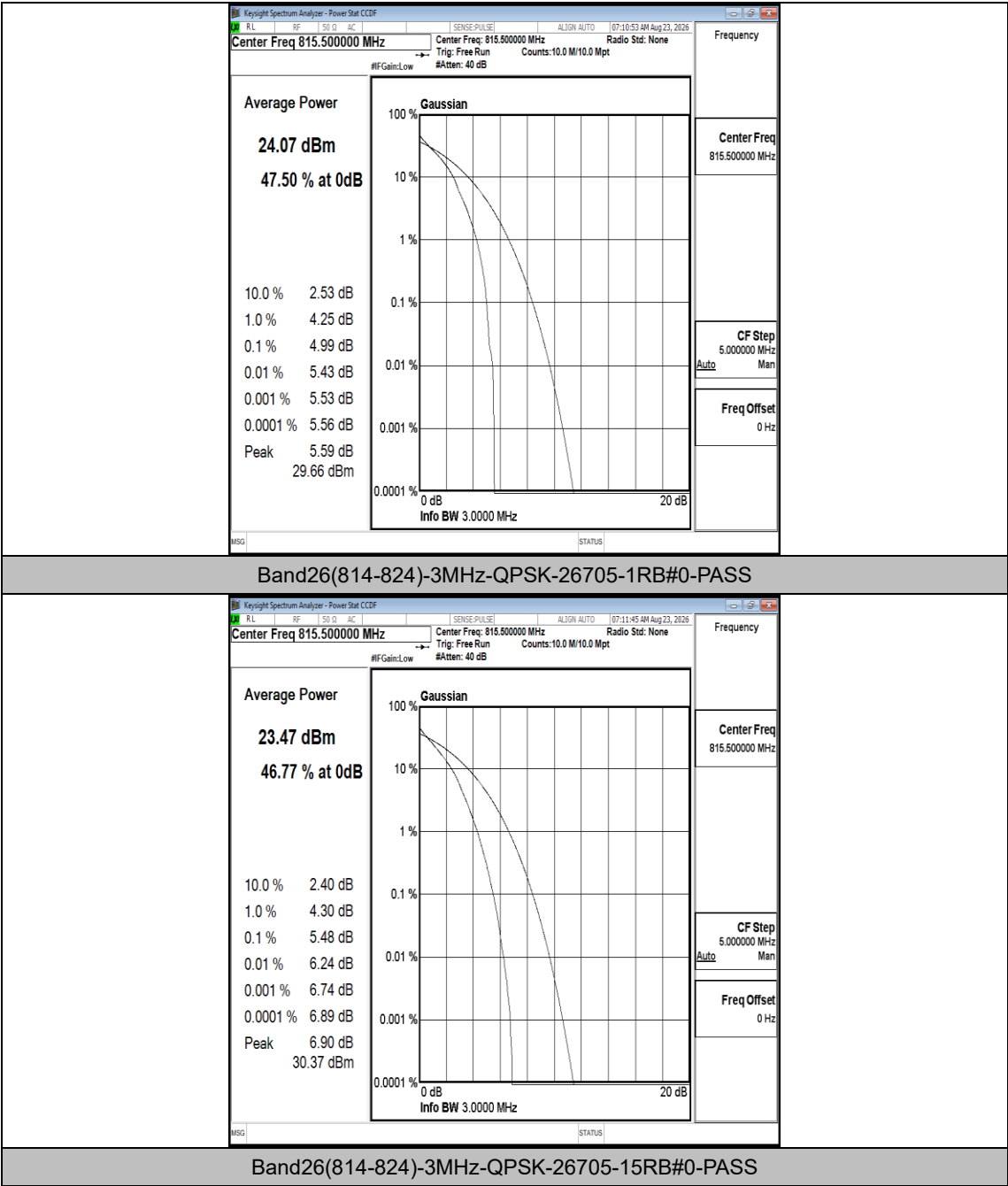


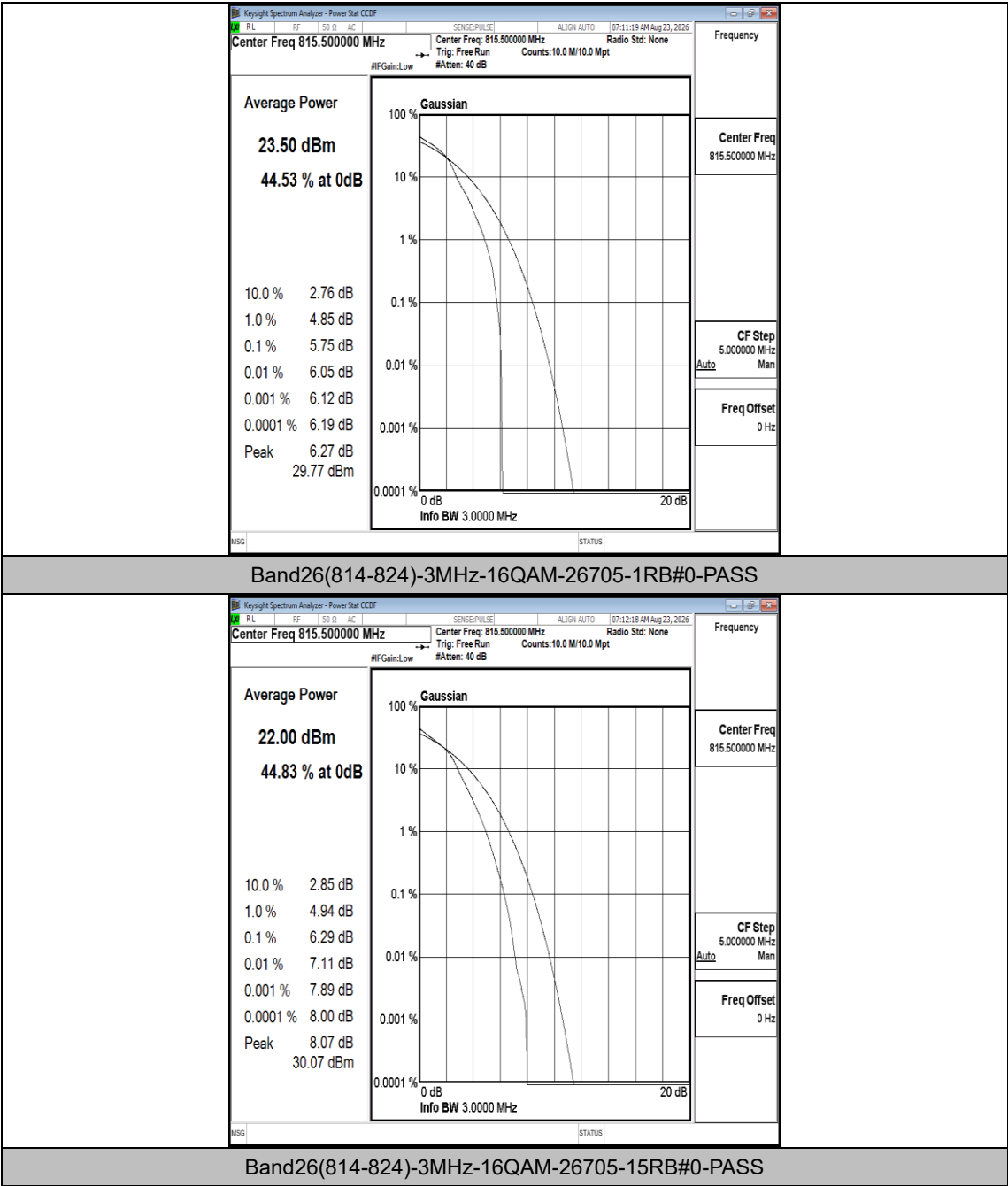


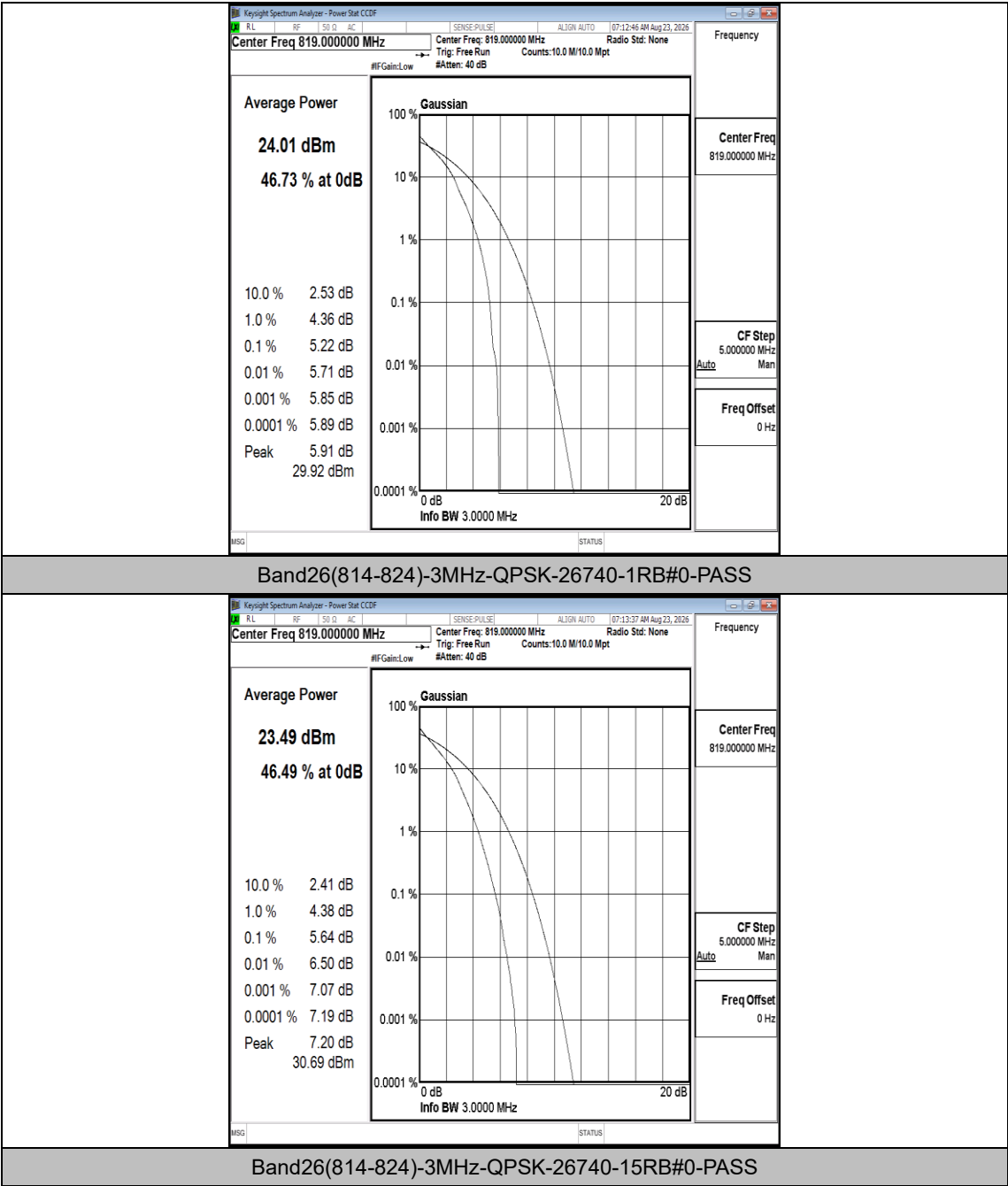


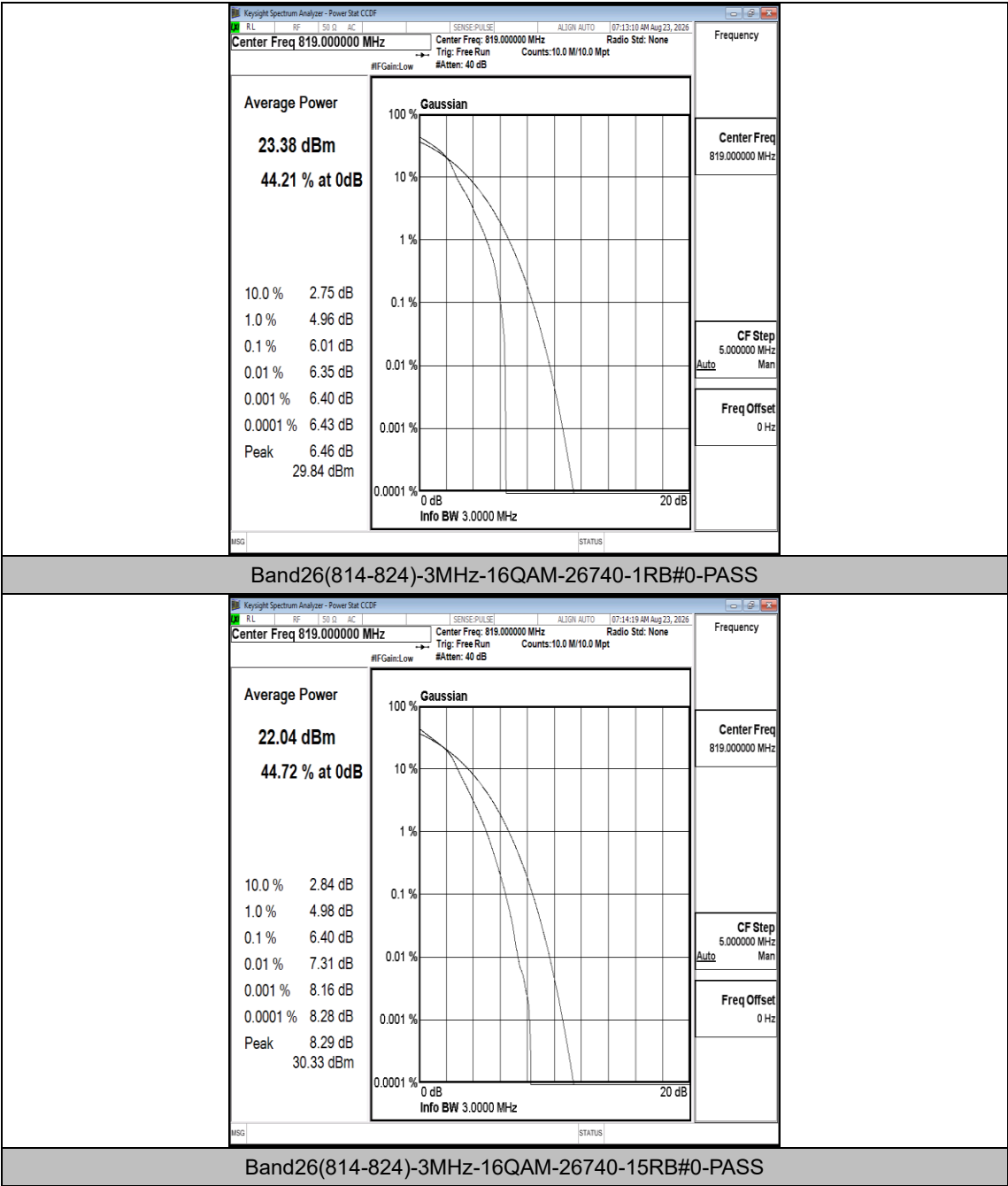


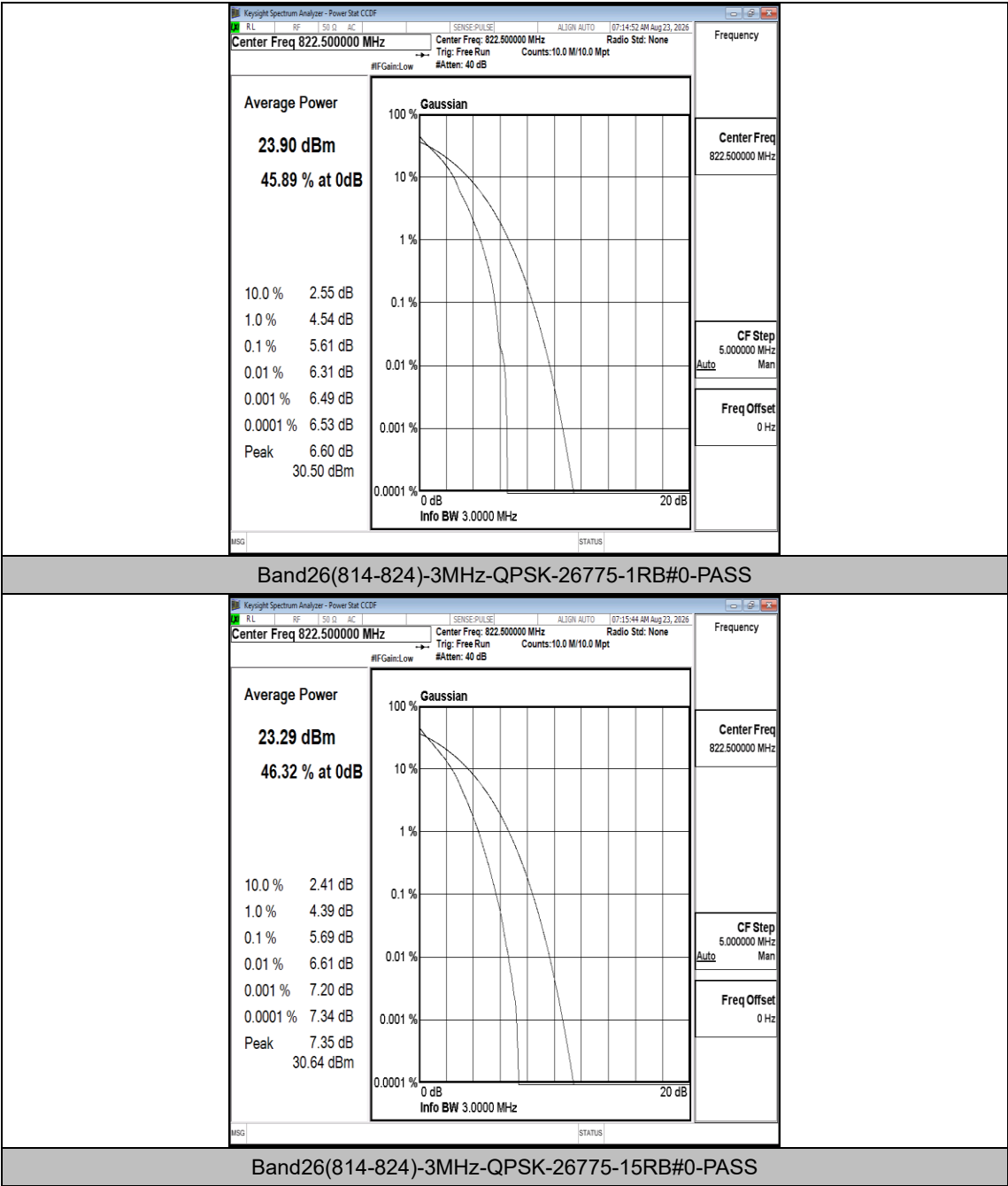


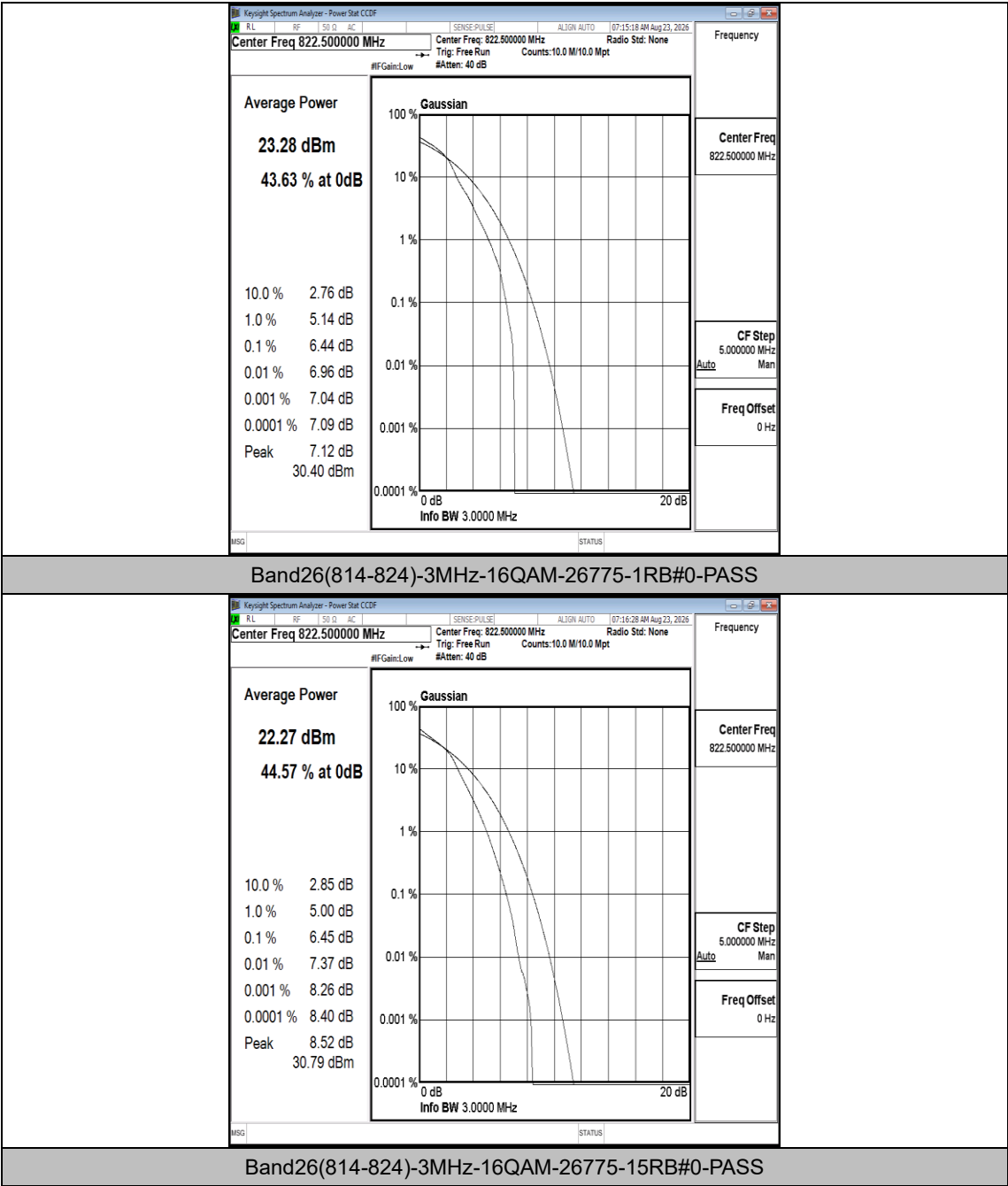


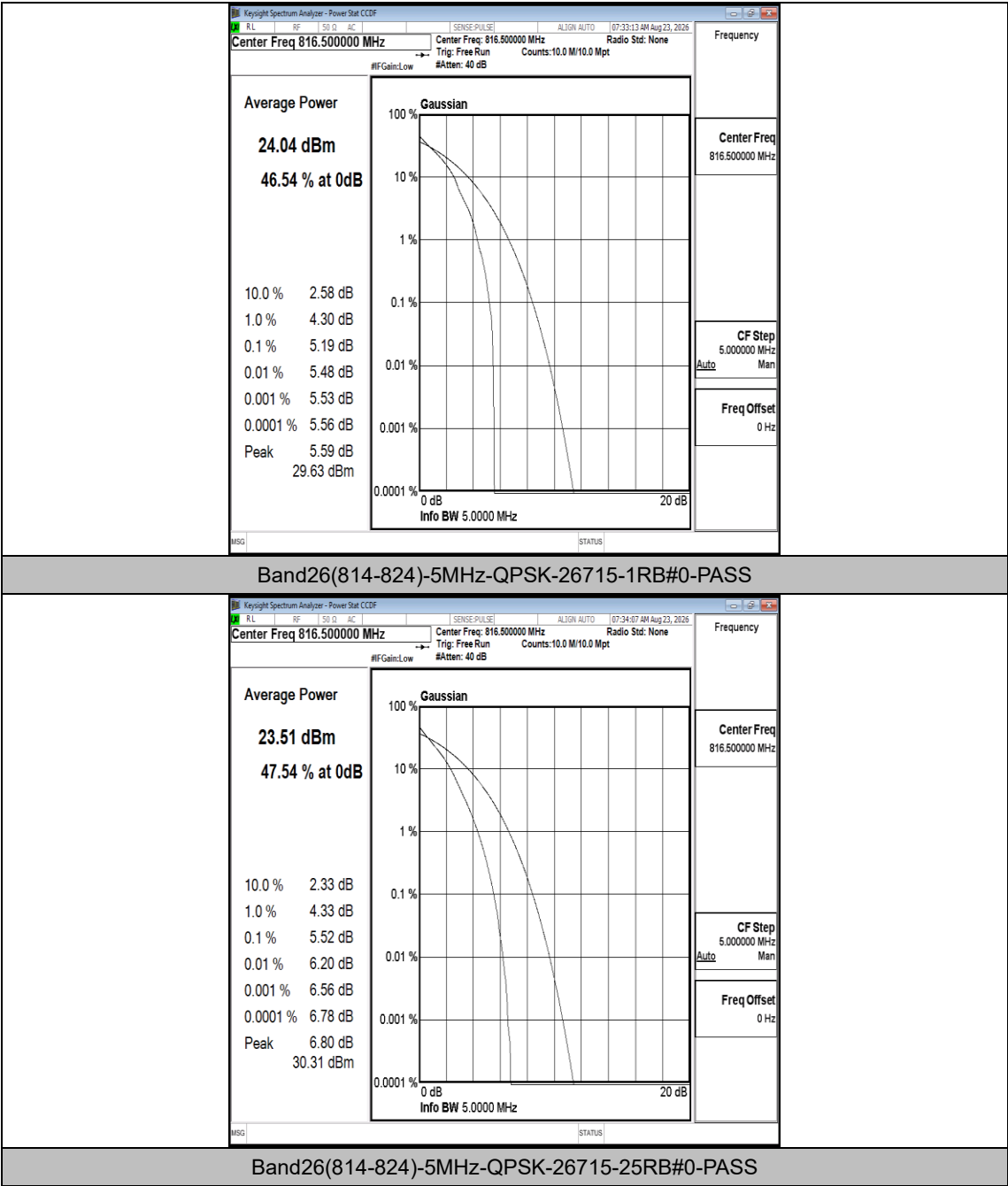


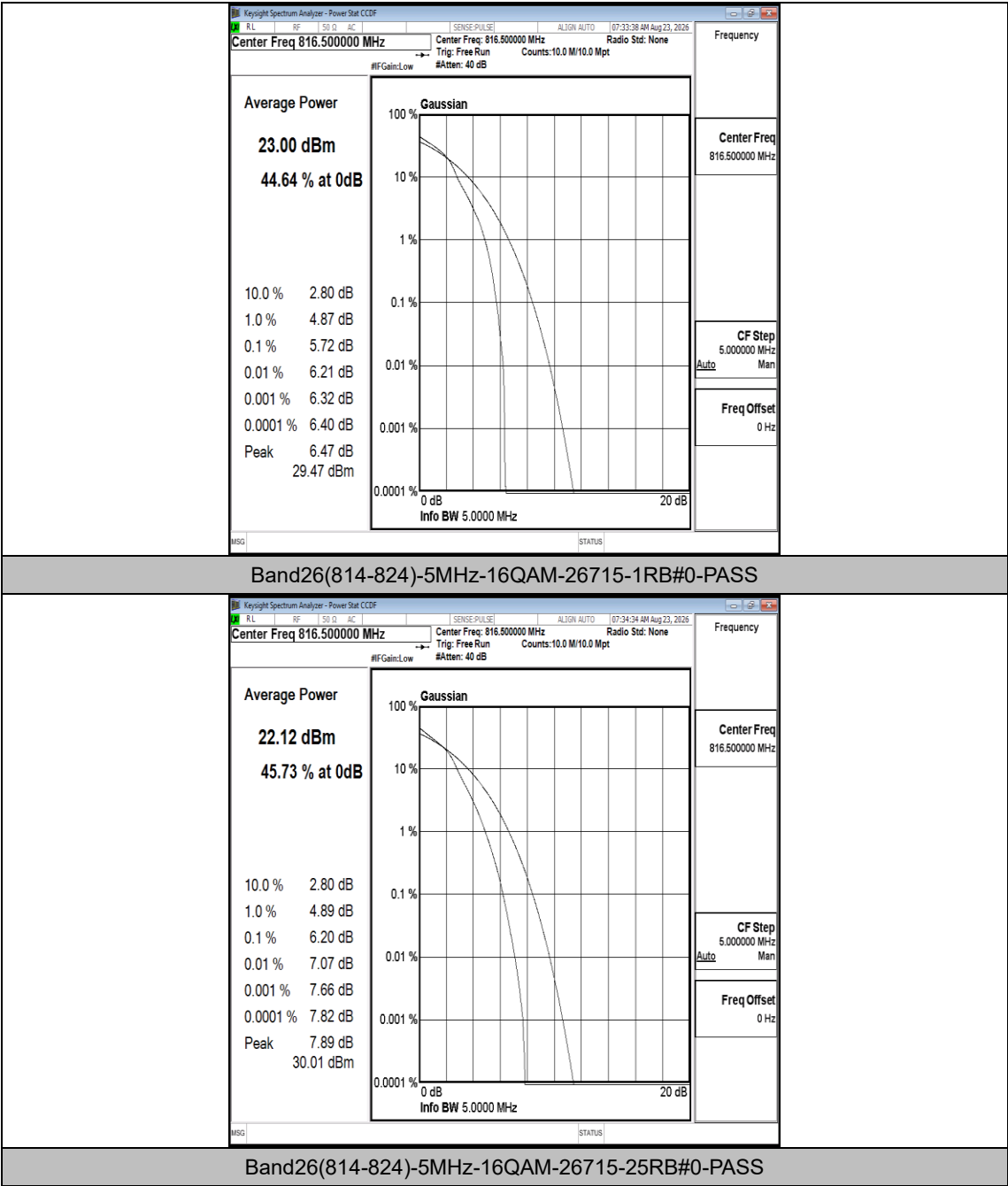


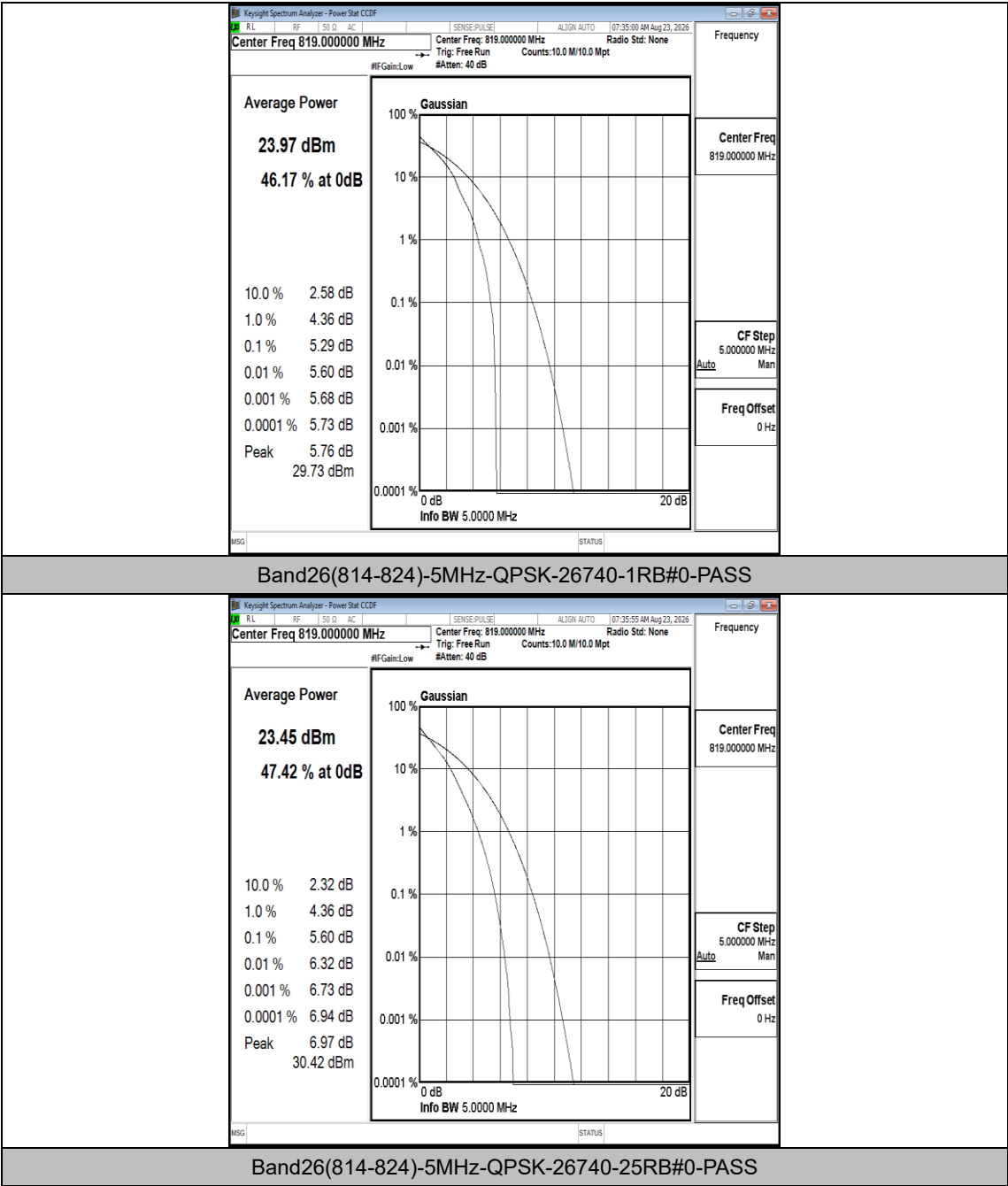


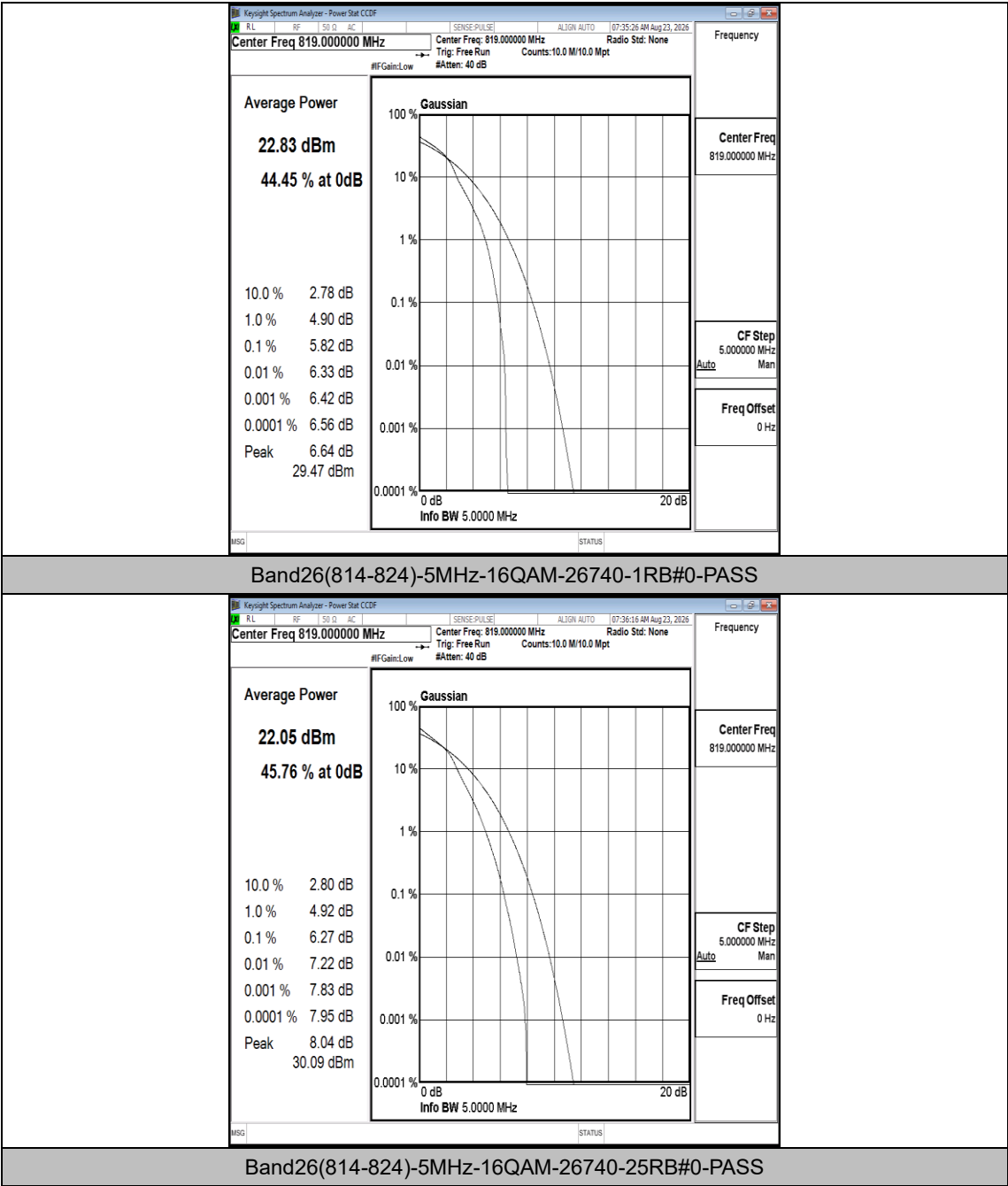


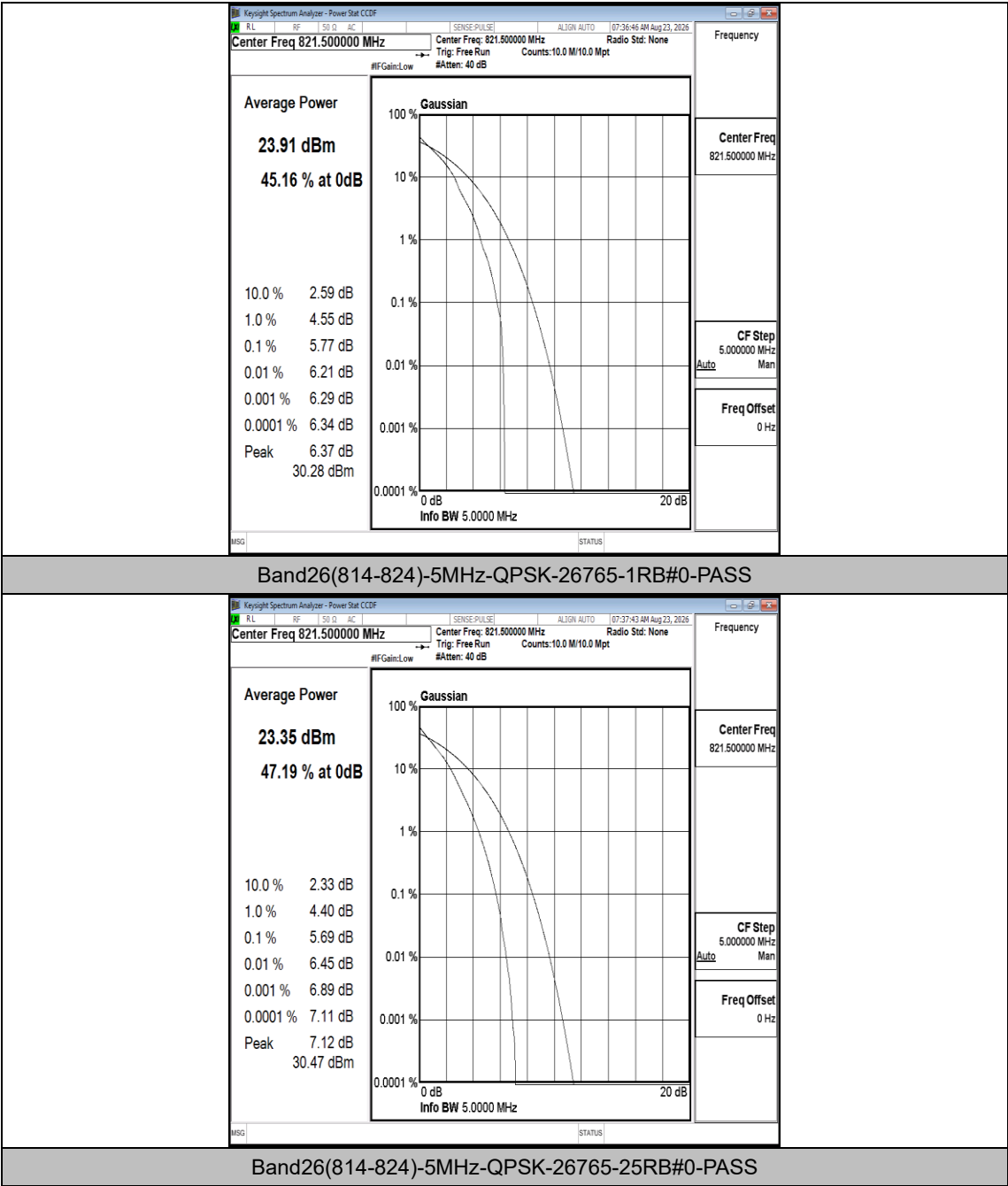


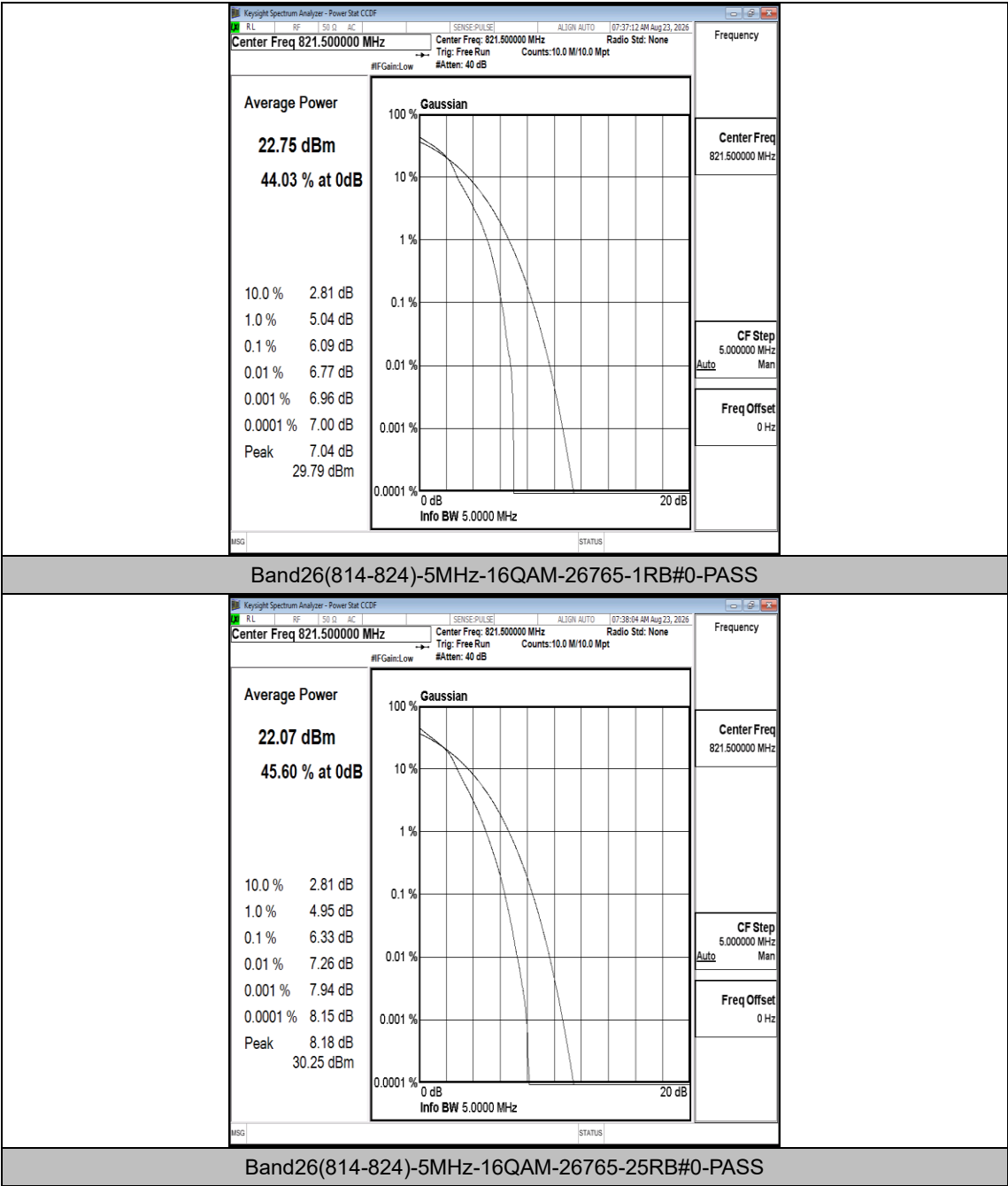


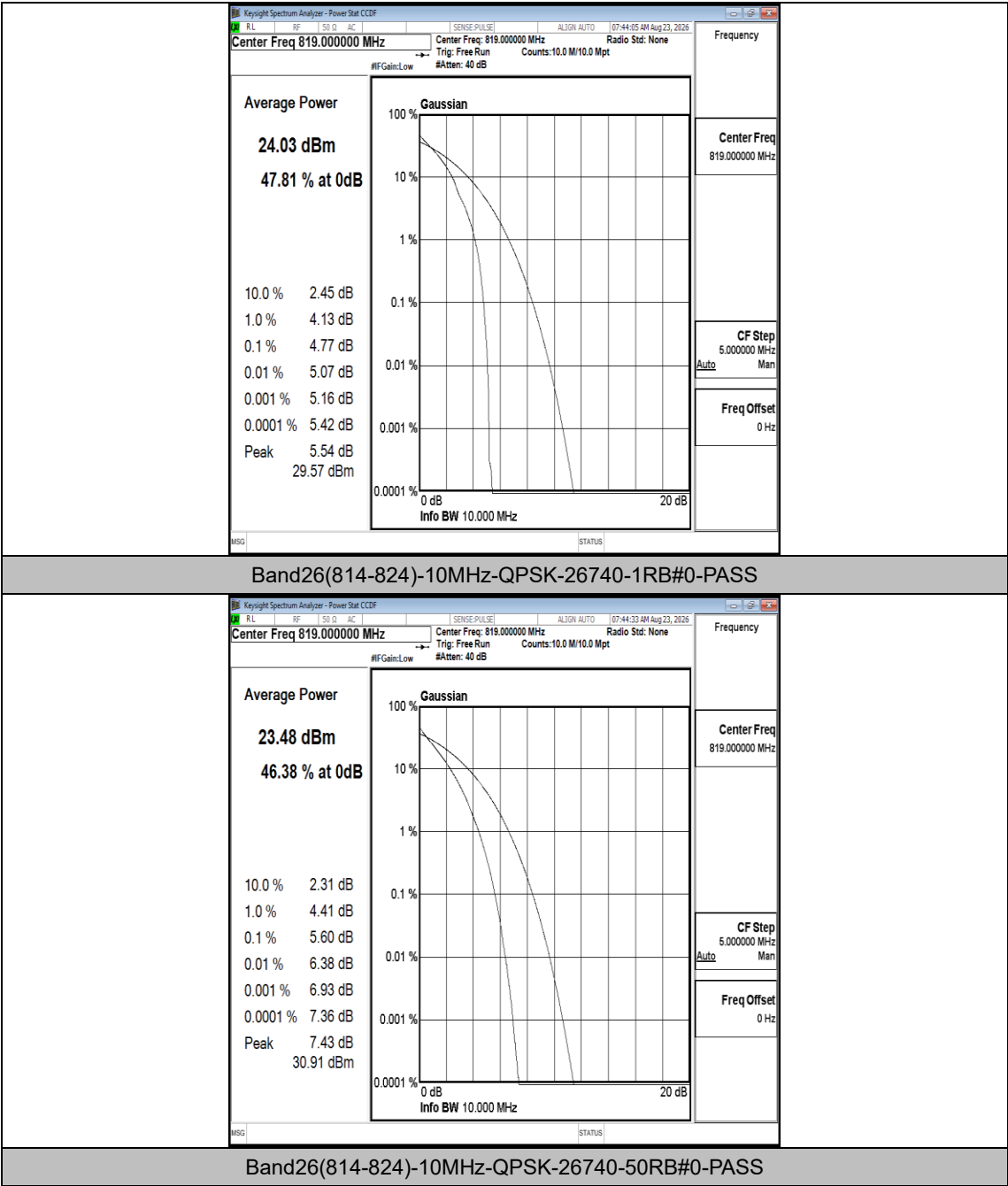


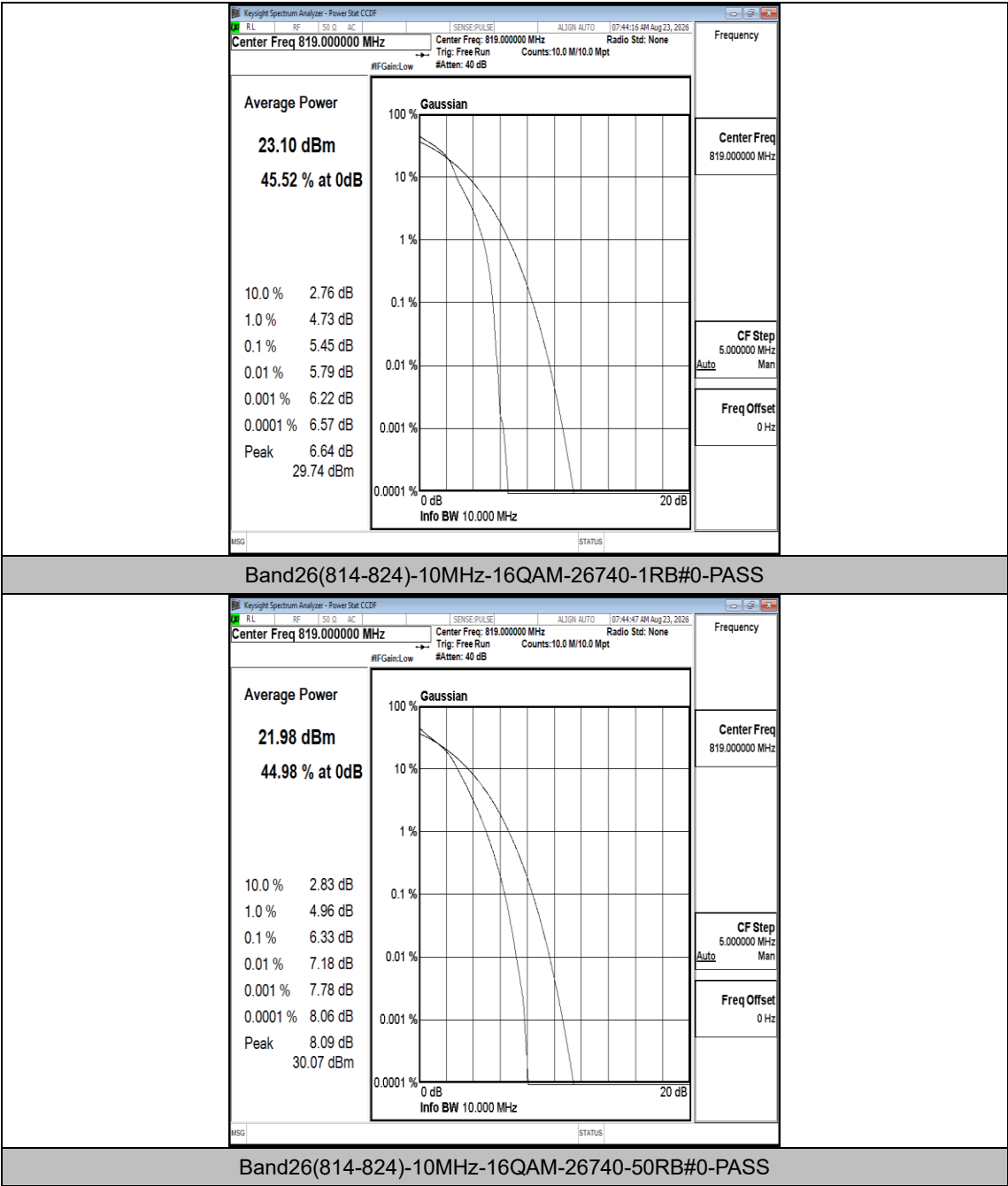










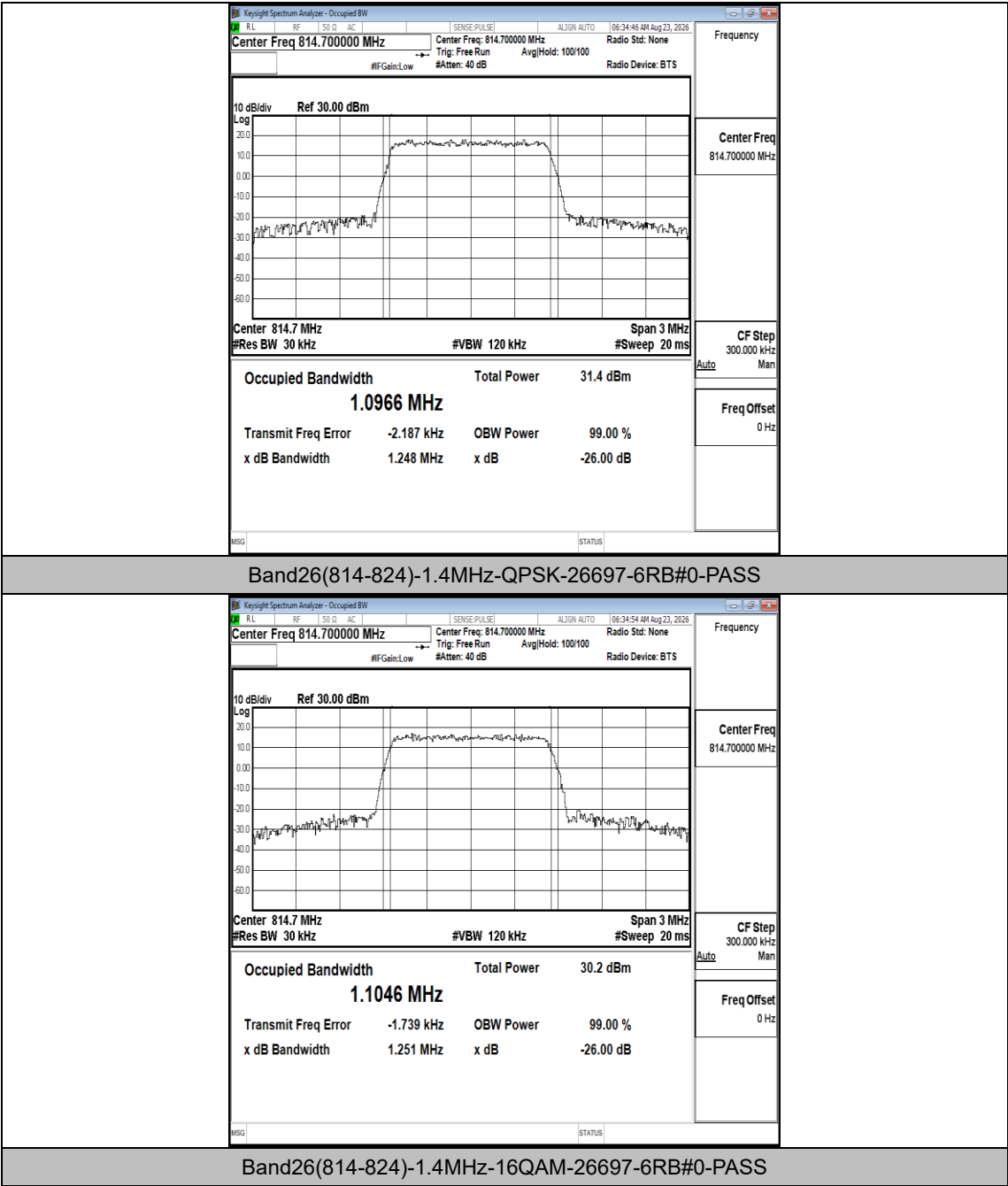


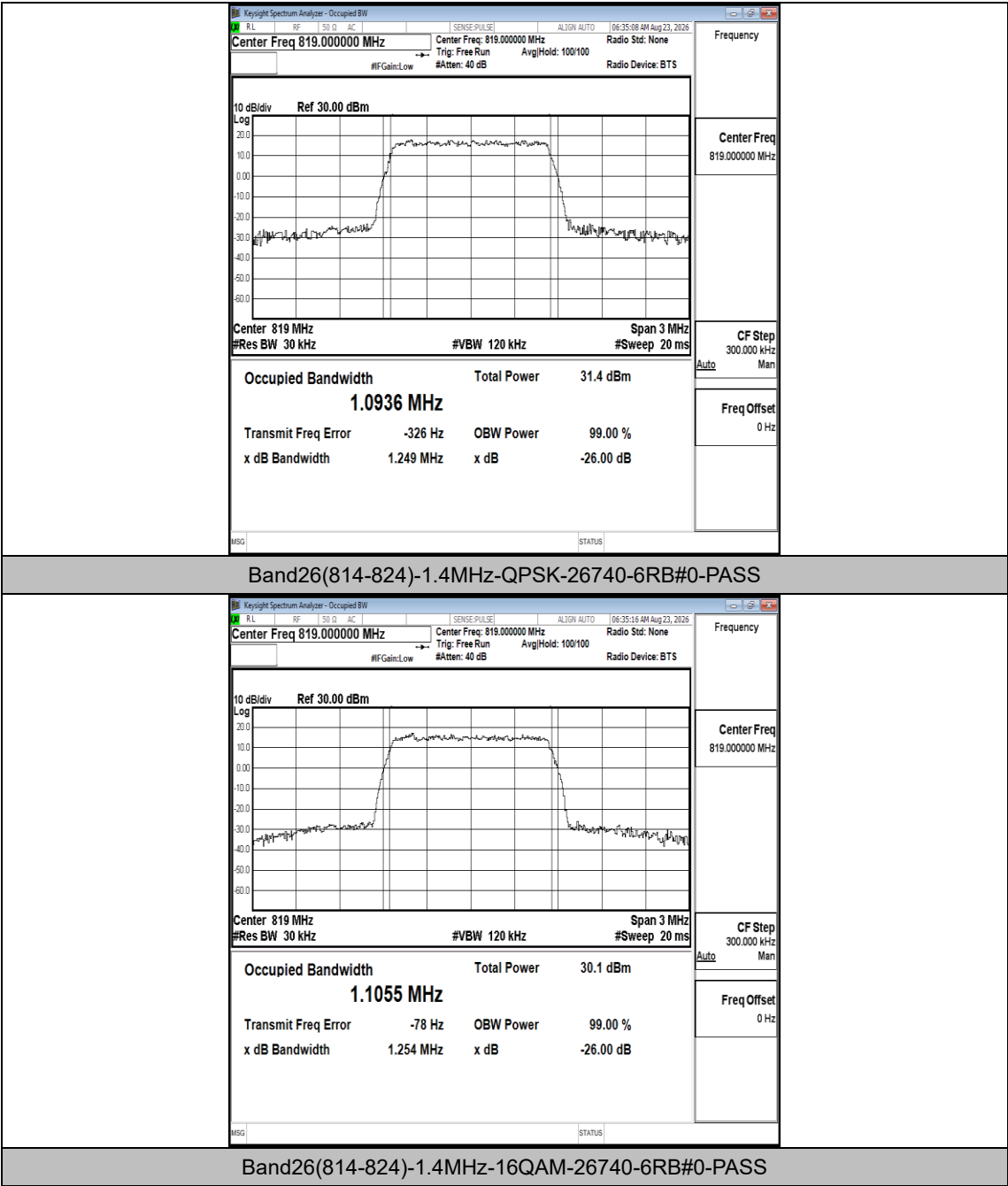
O.3 26dB Bandwidth and Occupied Bandwidth

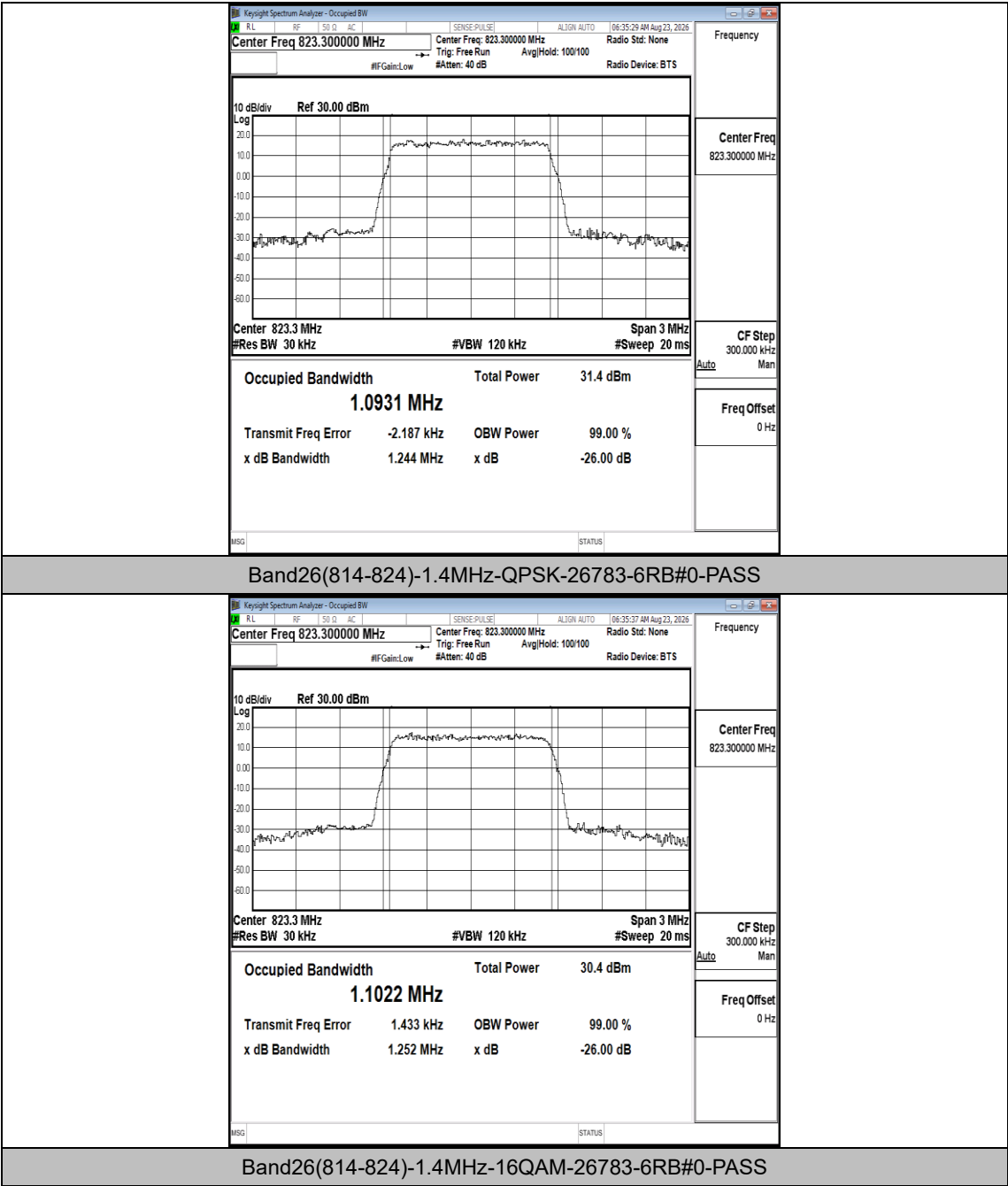
Test Result

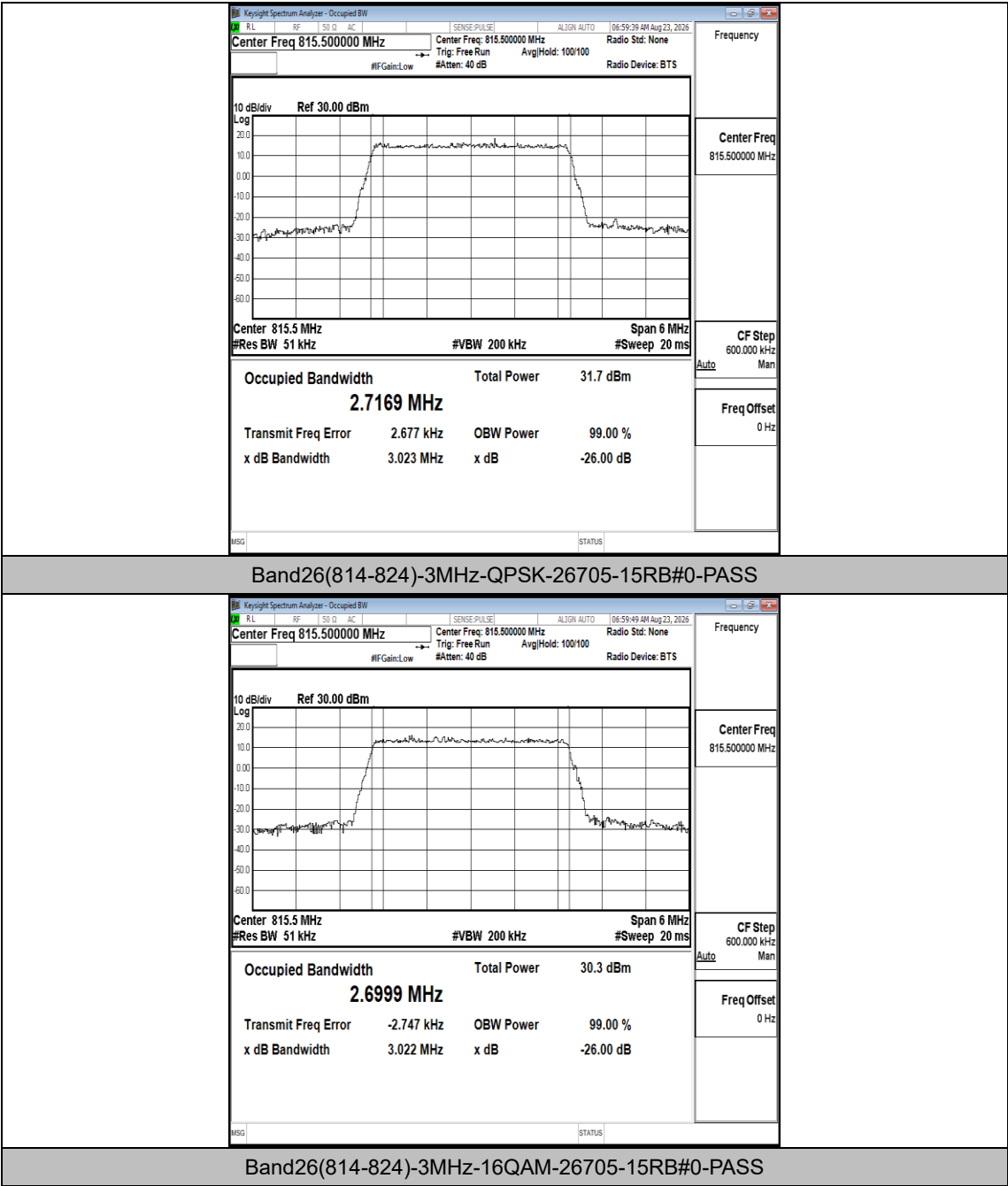
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0966	1.248	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.1046	1.251	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0936	1.249	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.1055	1.254	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0931	1.244	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.1022	1.252	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	2.7169	3.023	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	2.6999	3.022	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	2.7134	3.027	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	2.7095	3.033	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	2.7035	3.011	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	2.7026	3.037	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	4.5172	4.959	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	4.5078	4.964	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	4.5127	4.961	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	4.4958	4.963	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	4.5138	4.938	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	4.5071	4.965	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	9.0201	9.952	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	8.9851	9.983	PASS

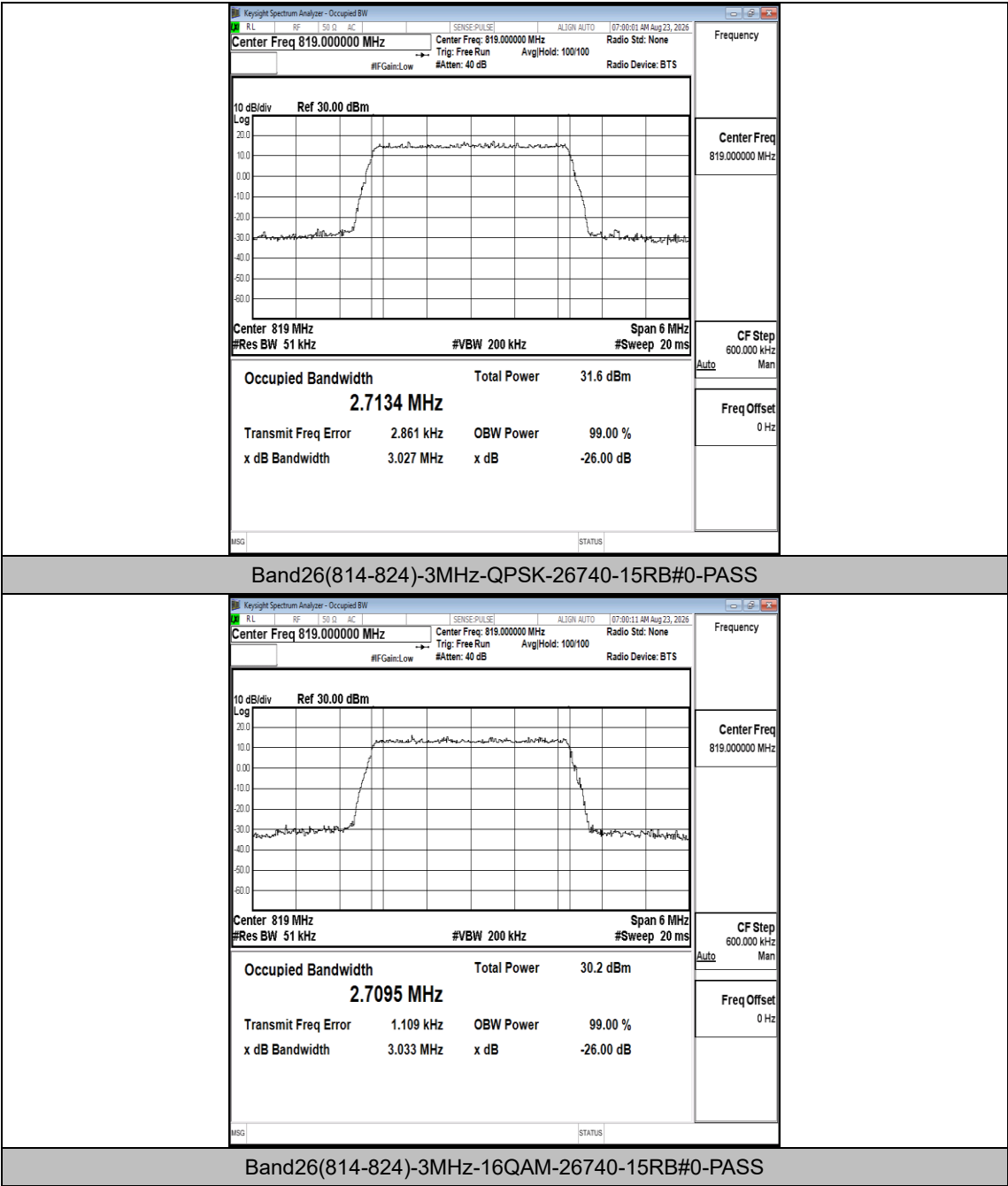
Test Graphs



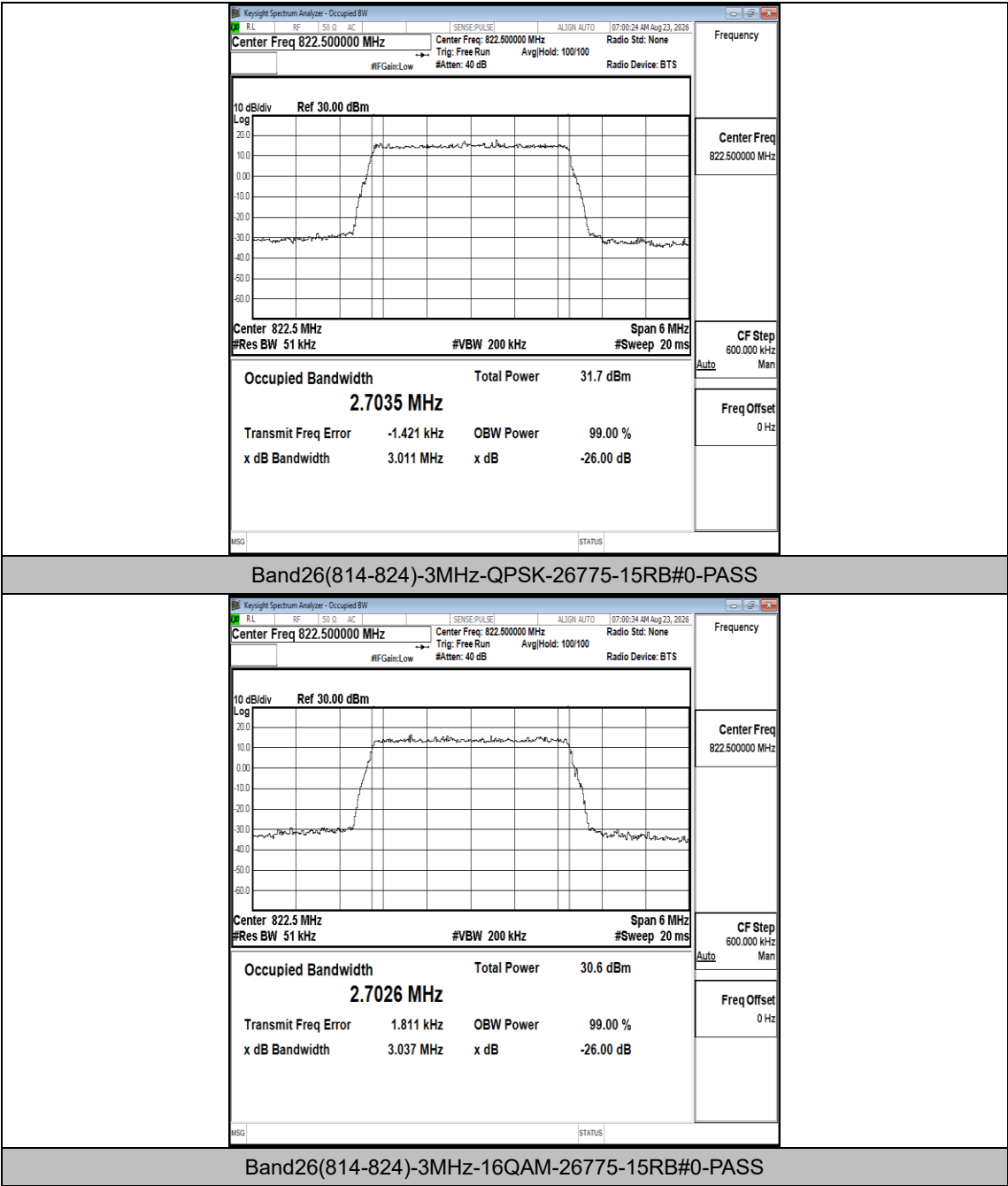


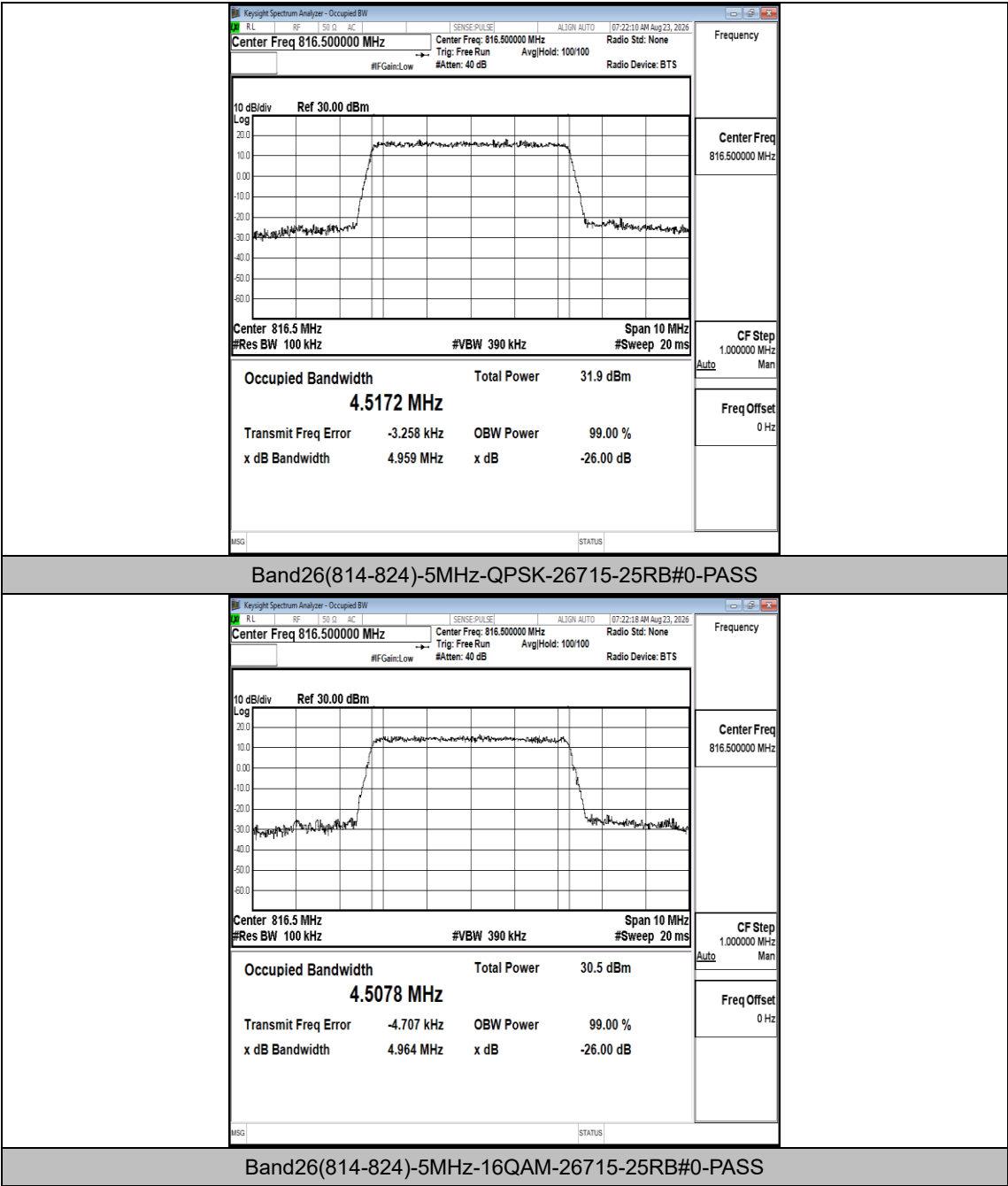


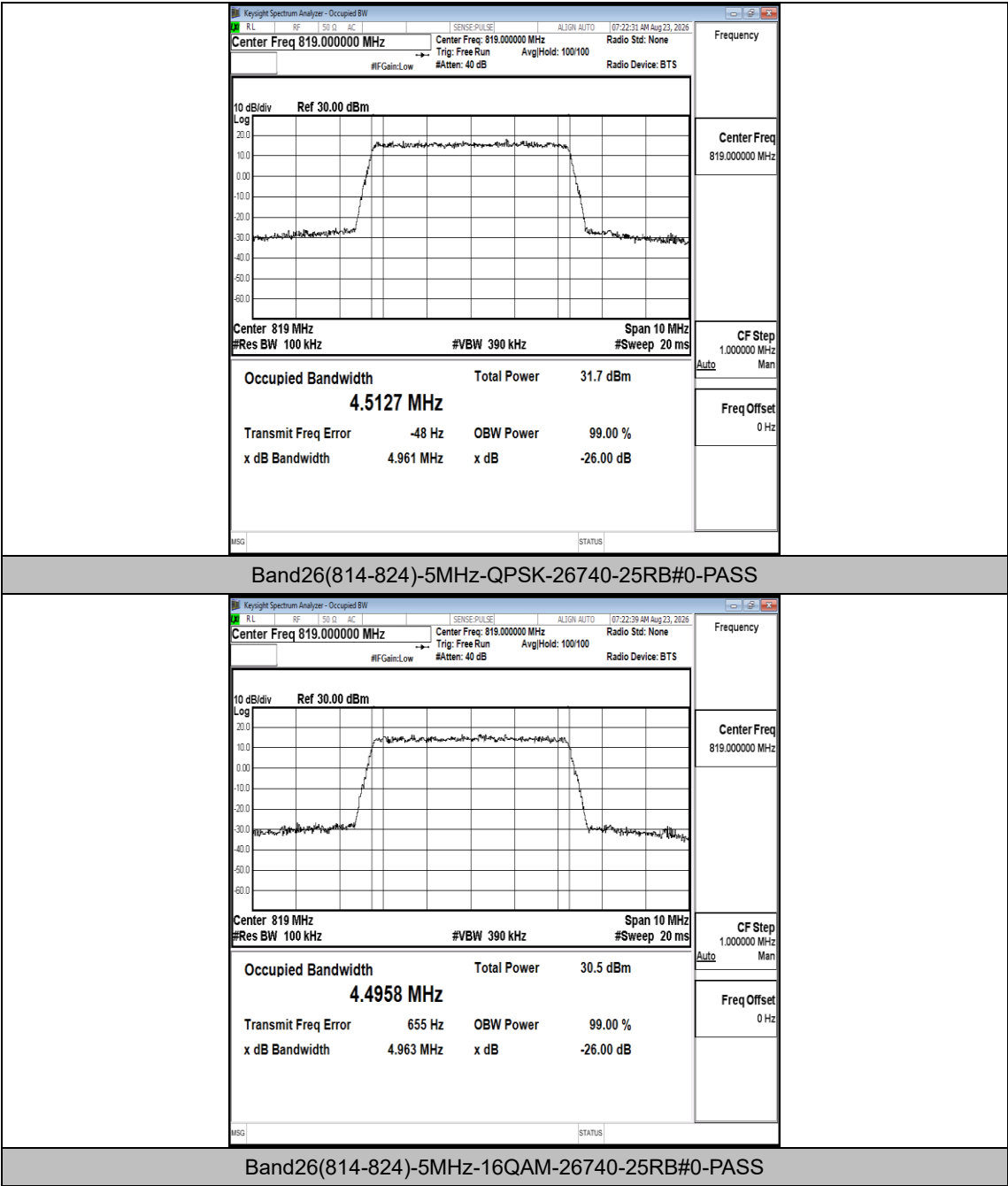


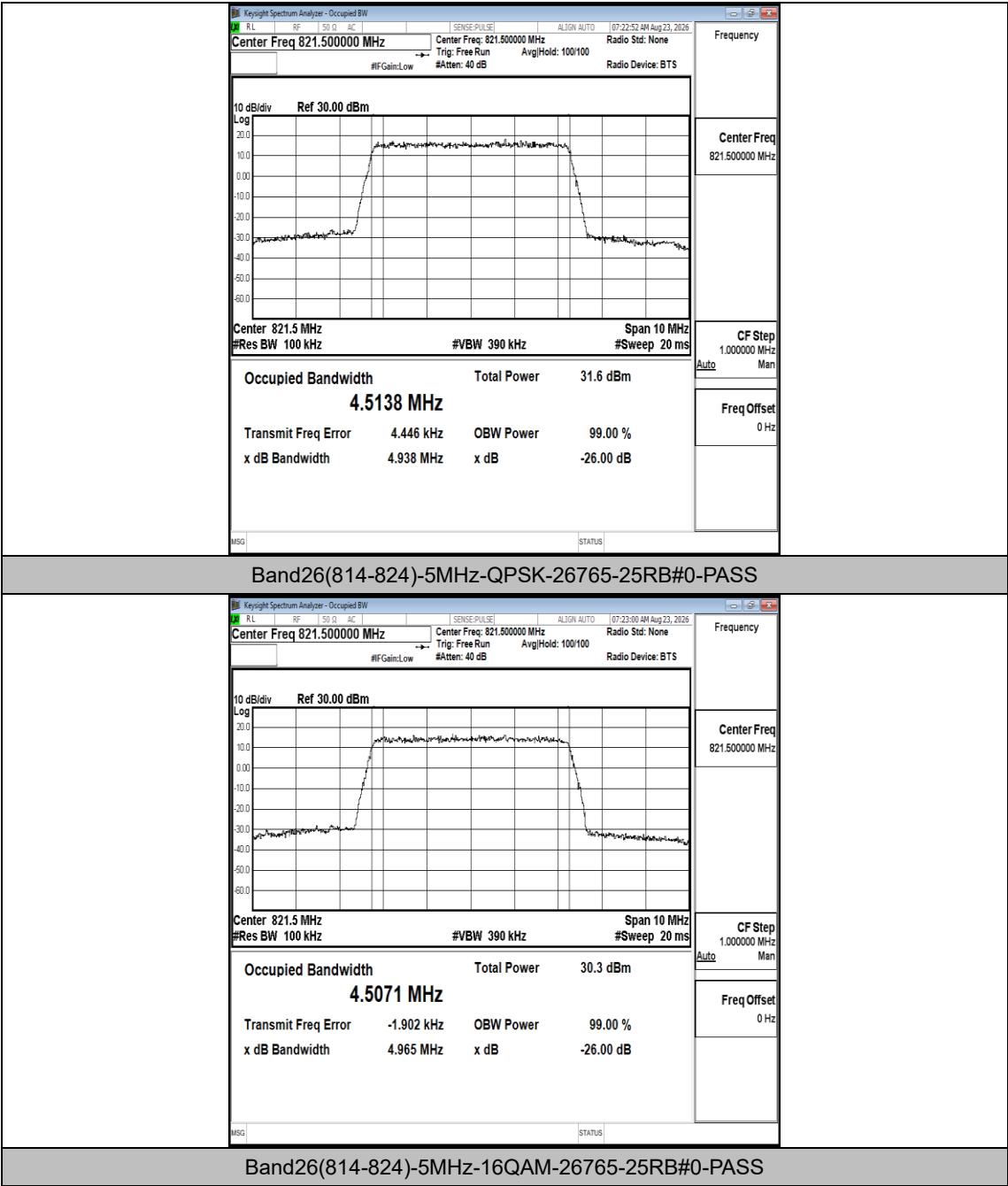


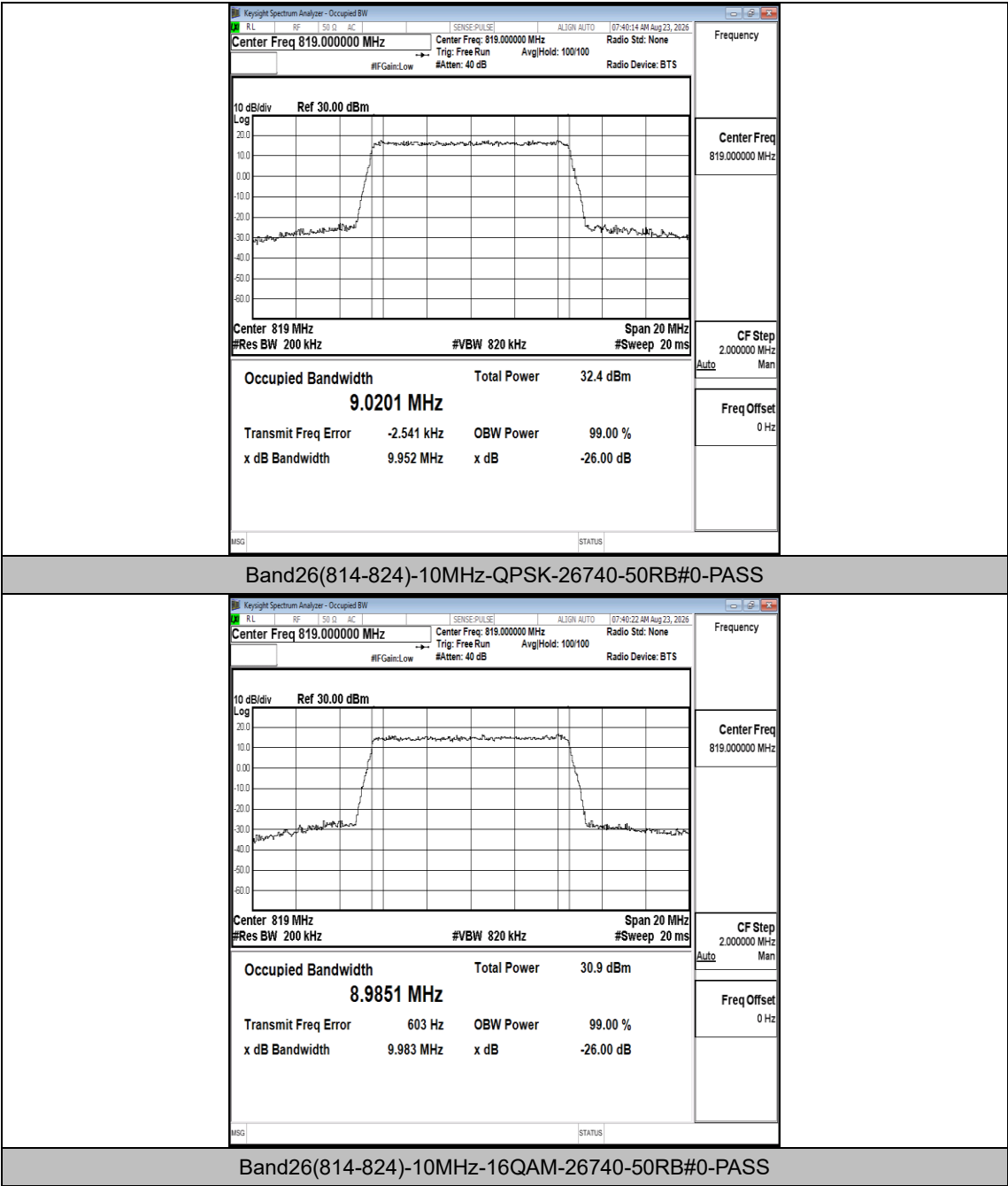
Band26(814-824)-3MHz-16QAM-26740-15RB#0-PASS











O.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	-30.25	17.25	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	-33.87	20.87	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	-33.59	20.59	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	-34.51	21.51	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	-30.29	17.29	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	-38.82	18.82	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	-37.89	17.89	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	-36.36	16.36	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	-33.92	20.92	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	-37.72	24.72	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	-36.18	23.18	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	-38.77	25.77	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	-38.90	25.90	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	-41.39	28.39	PASS

Test Graphs

