

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

Product Name: Smart Phone

Test Model: Air 1

Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

N.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	1RB#0	24.78	PASS
Band26(814-824)	1.4MHz	QPSK	26697	1RB#2	24.80	PASS
Band26(814-824)	1.4MHz	QPSK	26697	1RB#5	24.88	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#0	24.89	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#1	24.94	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#3	24.73	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	24.27	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#0	24.11	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#2	24.87	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#5	23.92	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#0	23.55	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#1	23.53	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#3	23.51	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	23.14	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#0	24.69	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#2	24.42	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#5	24.64	PASS
Band26(814-824)	1.4MHz	QPSK	26740	3RB#0	24.67	PASS
Band26(814-824)	1.4MHz	QPSK	26740	3RB#1	24.60	PASS
Band26(814-824)	1.4MHz	QPSK	26740	3RB#3	24.58	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	24.09	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#0	24.70	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#2	24.23	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#5	24.30	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#0	23.49	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#1	23.41	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#3	23.51	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	23.19	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#0	24.52	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#2	24.64	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#5	24.46	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#0	24.57	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#1	24.58	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#3	24.57	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	24.07	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#0	24.77	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#2	25.10	PASS

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Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

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Band26(814-824)	1.4MHz	16QAM	26783	1RB#5	24.34	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#0	23.27	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#1	23.73	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#3	23.08	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	22.62	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#0	24.71	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#8	24.80	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#14	24.72	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#0	24.25	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#4	24.24	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#7	24.18	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	24.24	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#0	23.96	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#8	25.54	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#14	24.03	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#0	23.33	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#4	23.21	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#7	23.25	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	23.13	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#0	24.73	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#8	24.44	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#14	24.75	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#0	24.06	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#4	24.16	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#7	24.05	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	24.15	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#0	24.83	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#8	24.84	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#14	24.63	PASS
Band26(814-824)	3MHz	16QAM	26740	8RB#0	23.31	PASS
Band26(814-824)	3MHz	16QAM	26740	8RB#4	23.15	PASS
Band26(814-824)	3MHz	16QAM	26740	8RB#7	23.16	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	23.21	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#0	24.58	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#8	24.80	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#14	24.45	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#0	24.03	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#4	24.12	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#7	24.16	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	24.11	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#0	23.94	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#8	24.98	PASS

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Band26(814-824)	3MHz	16QAM	26775	1RB#14	23.69	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#0	23.17	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#4	22.51	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#7	22.84	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	22.60	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#0	24.77	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#12	24.68	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#24	24.56	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#0	24.12	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#6	24.20	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#13	24.06	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	24.14	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#0	24.09	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#12	24.80	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#24	24.35	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#0	23.24	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#6	23.11	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#13	23.25	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	22.95	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#0	24.80	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#12	24.76	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#24	24.66	PASS
Band26(814-824)	5MHz	QPSK	26740	12RB#0	24.14	PASS
Band26(814-824)	5MHz	QPSK	26740	12RB#6	24.15	PASS
Band26(814-824)	5MHz	QPSK	26740	12RB#13	24.11	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	24.08	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#0	24.23	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#12	23.77	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#24	24.05	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#0	23.08	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#6	22.92	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#13	22.92	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	23.09	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#0	24.61	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#12	24.58	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#24	24.50	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#0	24.14	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#6	24.13	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#13	24.02	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	23.99	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#0	23.39	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#12	23.93	PASS

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Band26(814-824)	5MHz	16QAM	26765	1RB#24	23.30	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#0	23.01	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#6	22.92	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#13	22.61	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	23.05	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#0	24.77	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#24	24.89	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#49	24.40	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#0	24.16	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#12	24.14	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#25	24.16	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	24.11	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#0	24.20	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#24	25.12	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#49	23.90	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#0	23.23	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#12	23.17	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#25	23.12	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	23.13	PASS

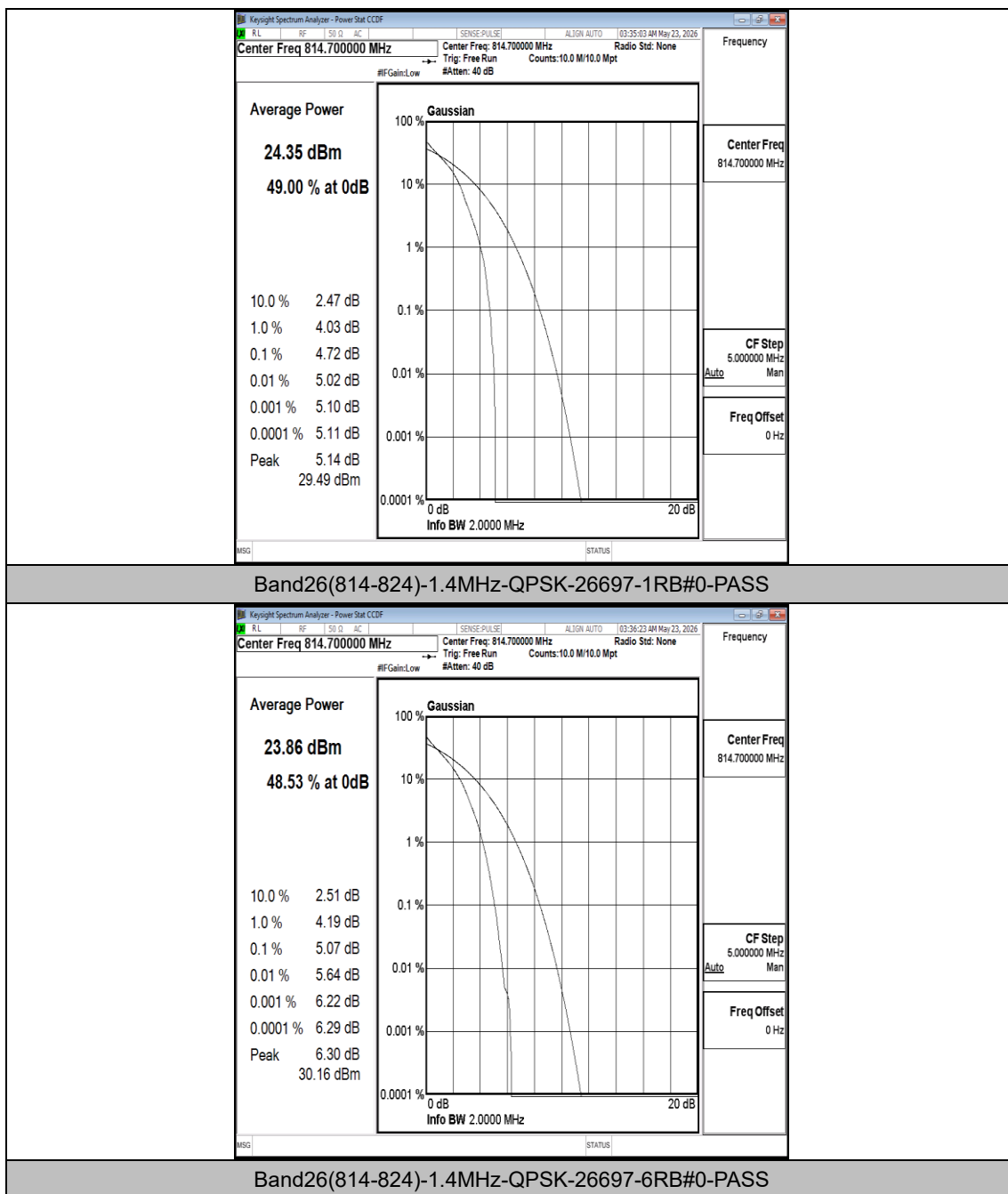
N.2 Peak-to-Average Ratio (CCDF)

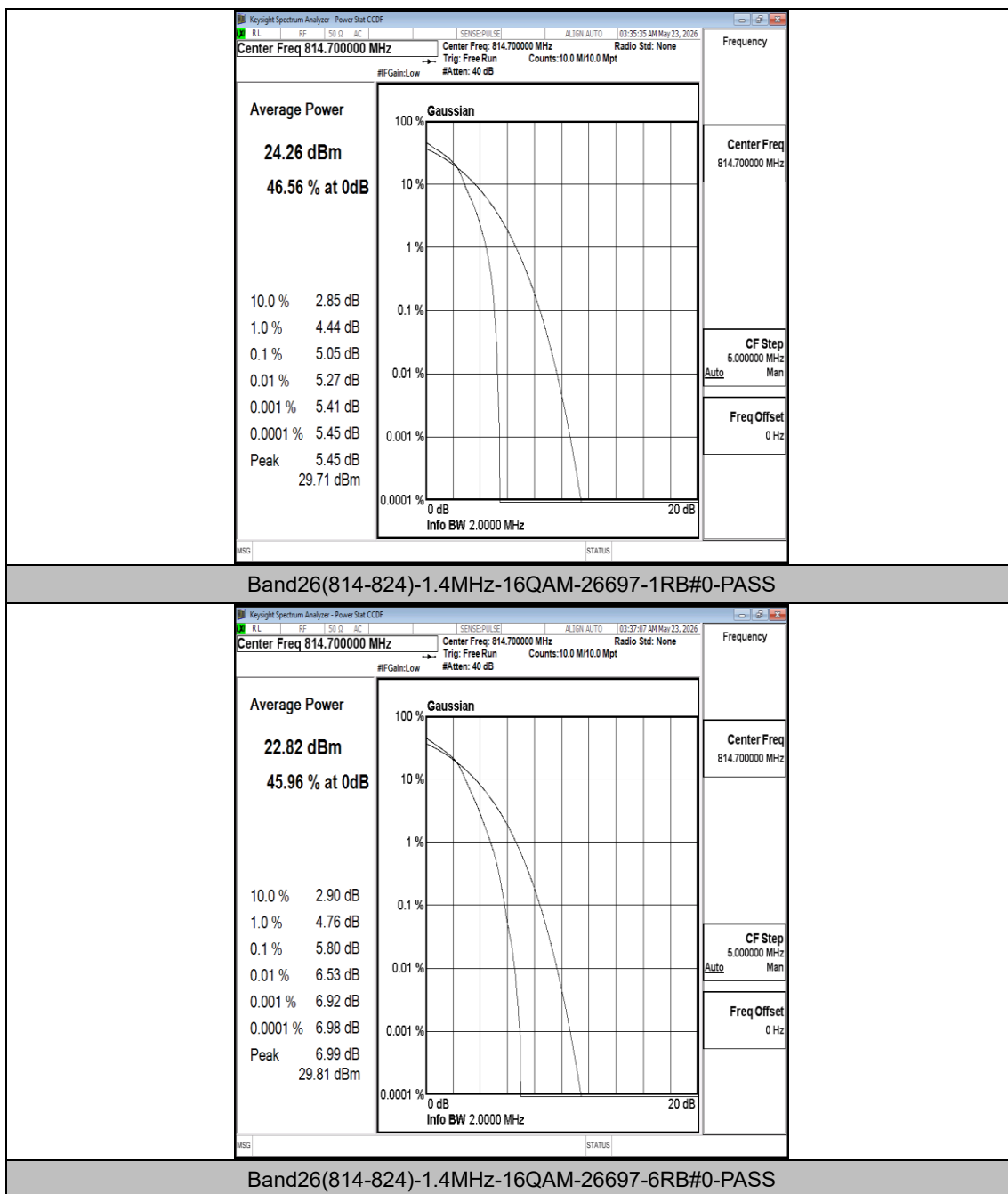
Test Result

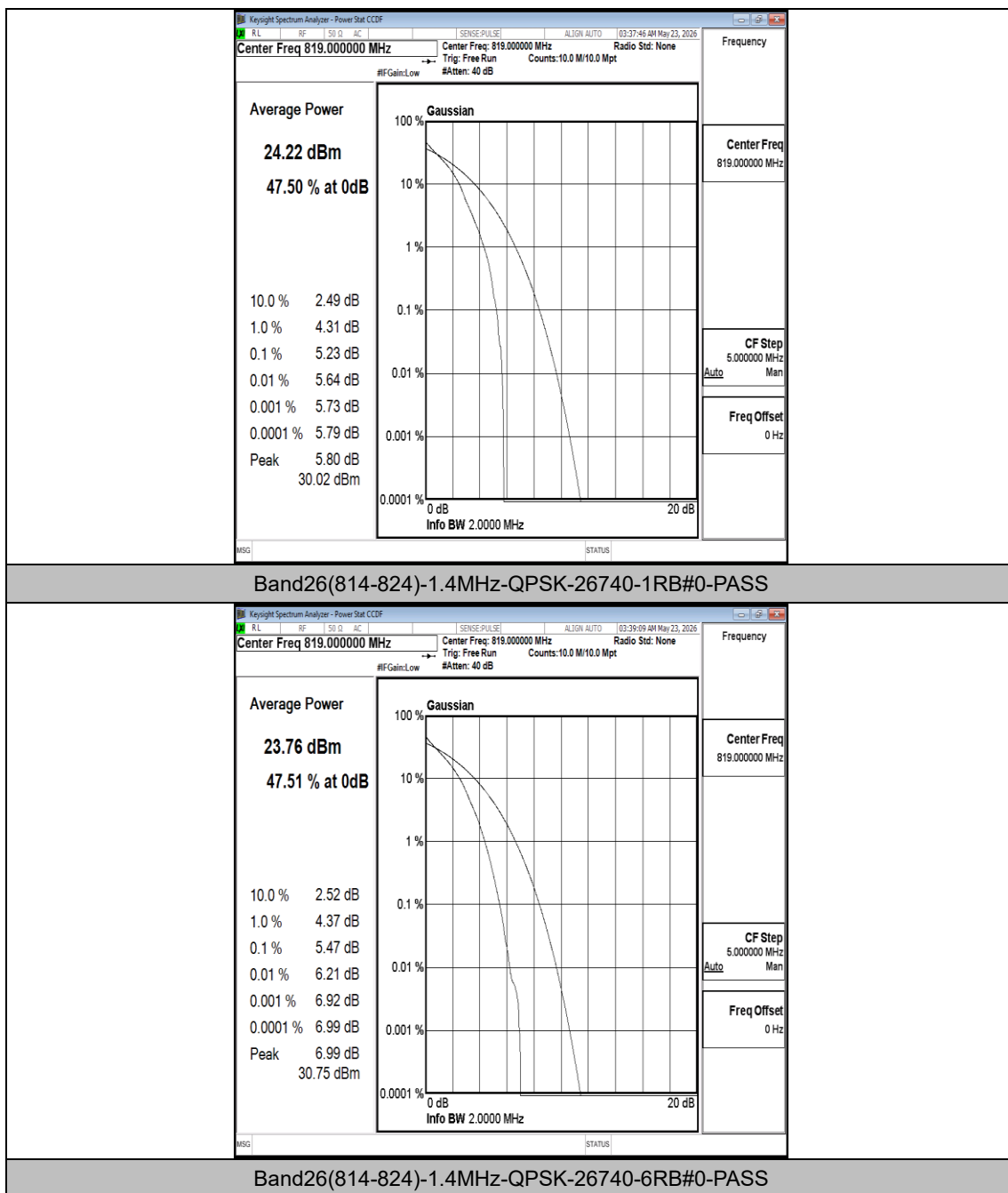
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	1RB#0	4.72	13	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	5.07	13	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#0	5.05	13	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	5.80	13	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#0	5.23	13	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	5.47	13	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#0	5.60	13	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	6.11	13	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#0	5.58	13	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	5.58	13	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#0	6.11	13	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	6.26	13	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#0	4.66	13	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	5.32	13	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#0	5.42	13	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	6.12	13	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#0	4.97	13	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	5.59	13	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#0	5.69	13	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	6.32	13	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#0	5.49	13	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	5.67	13	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#0	6.38	13	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	6.42	13	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#0	4.87	13	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	5.40	13	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#0	5.43	13	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	6.06	13	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#0	4.96	13	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	5.54	13	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#0	5.54	13	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	6.21	13	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#0	5.58	13	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	5.63	13	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#0	6.05	13	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	6.28	13	PASS

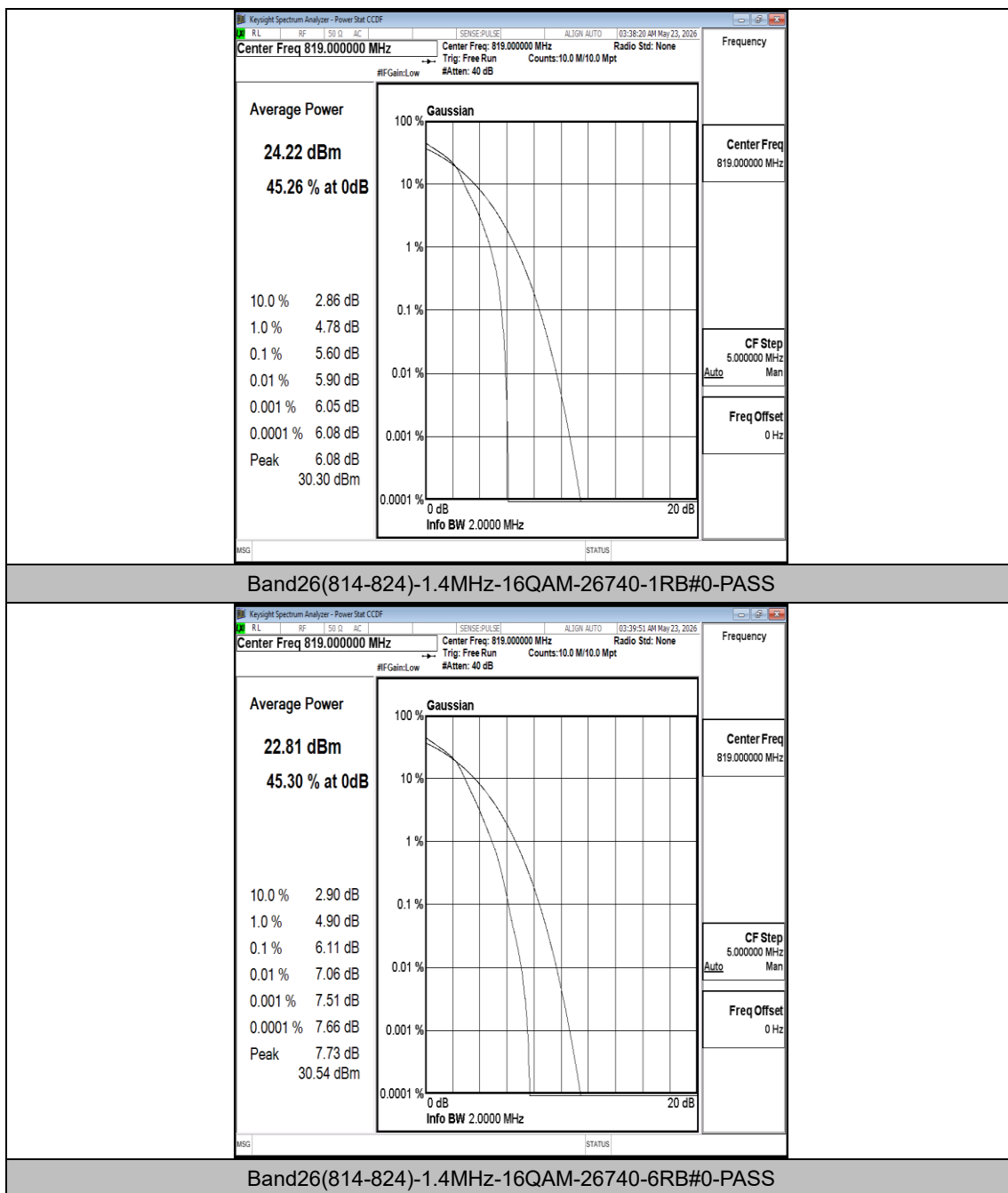
Band26(814-824)	10MHz	QPSK	26740	1RB#0	4.47	13	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	5.55	13	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#0	5.21	13	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	6.27	13	PASS

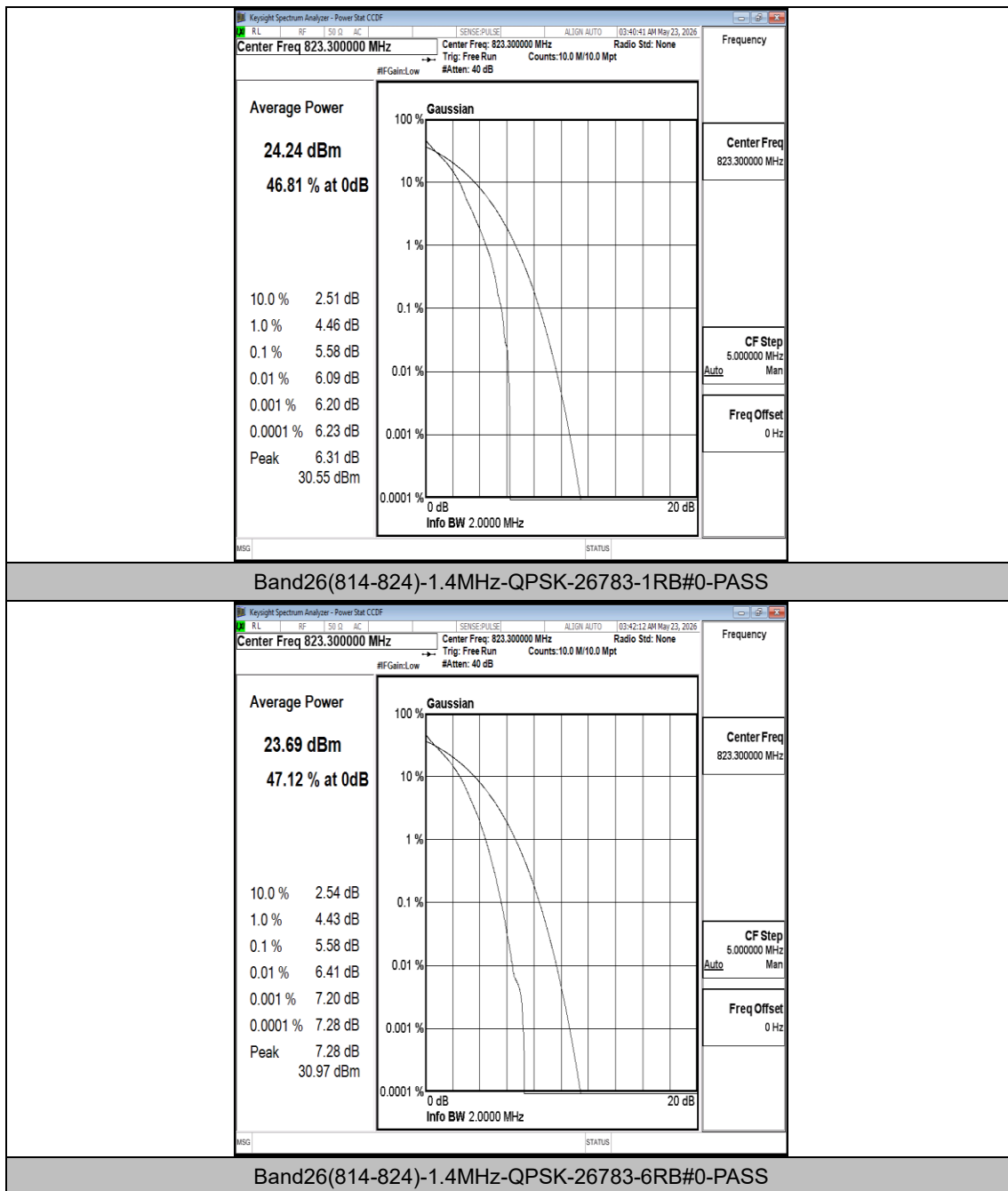
Test Graphs

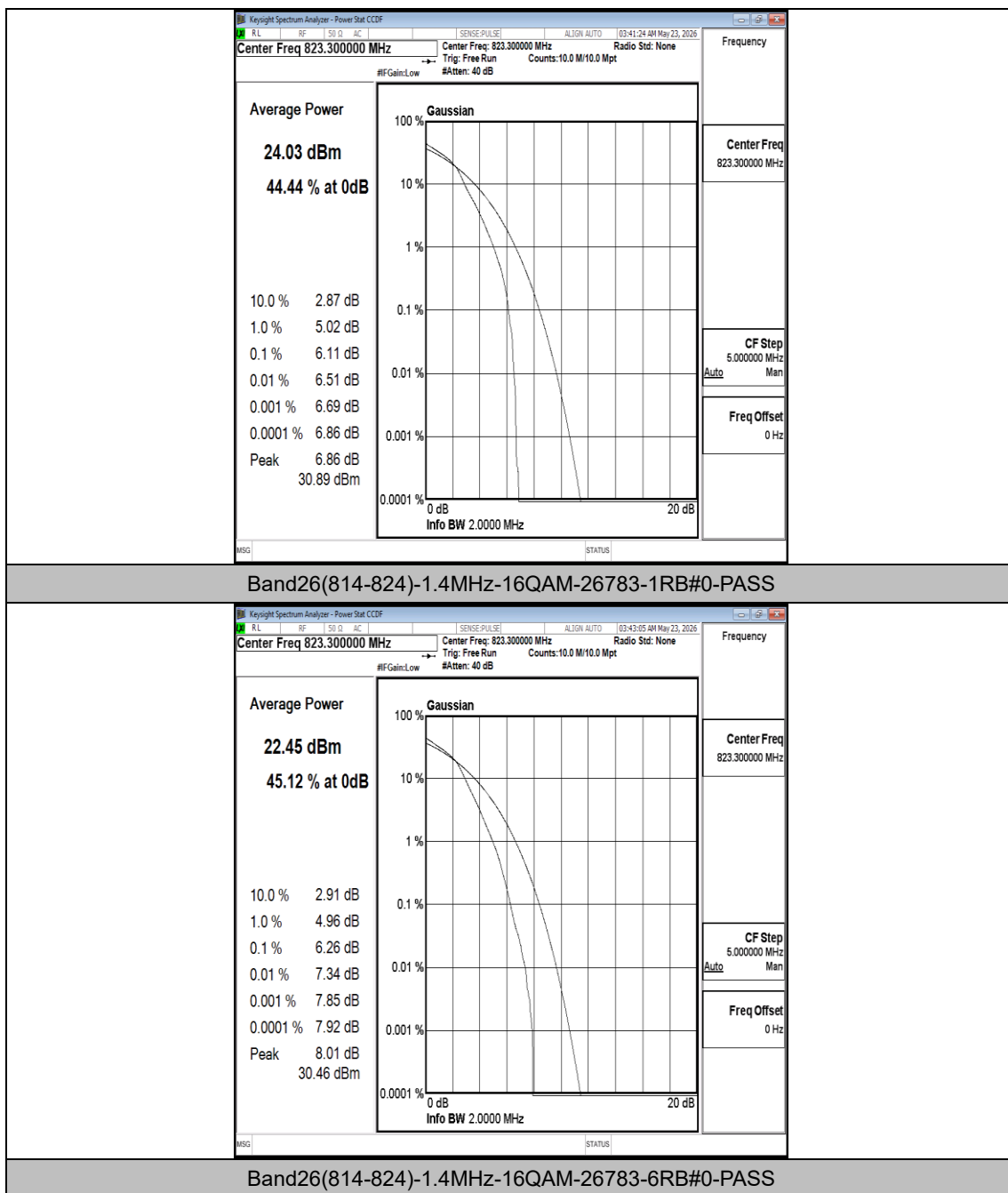


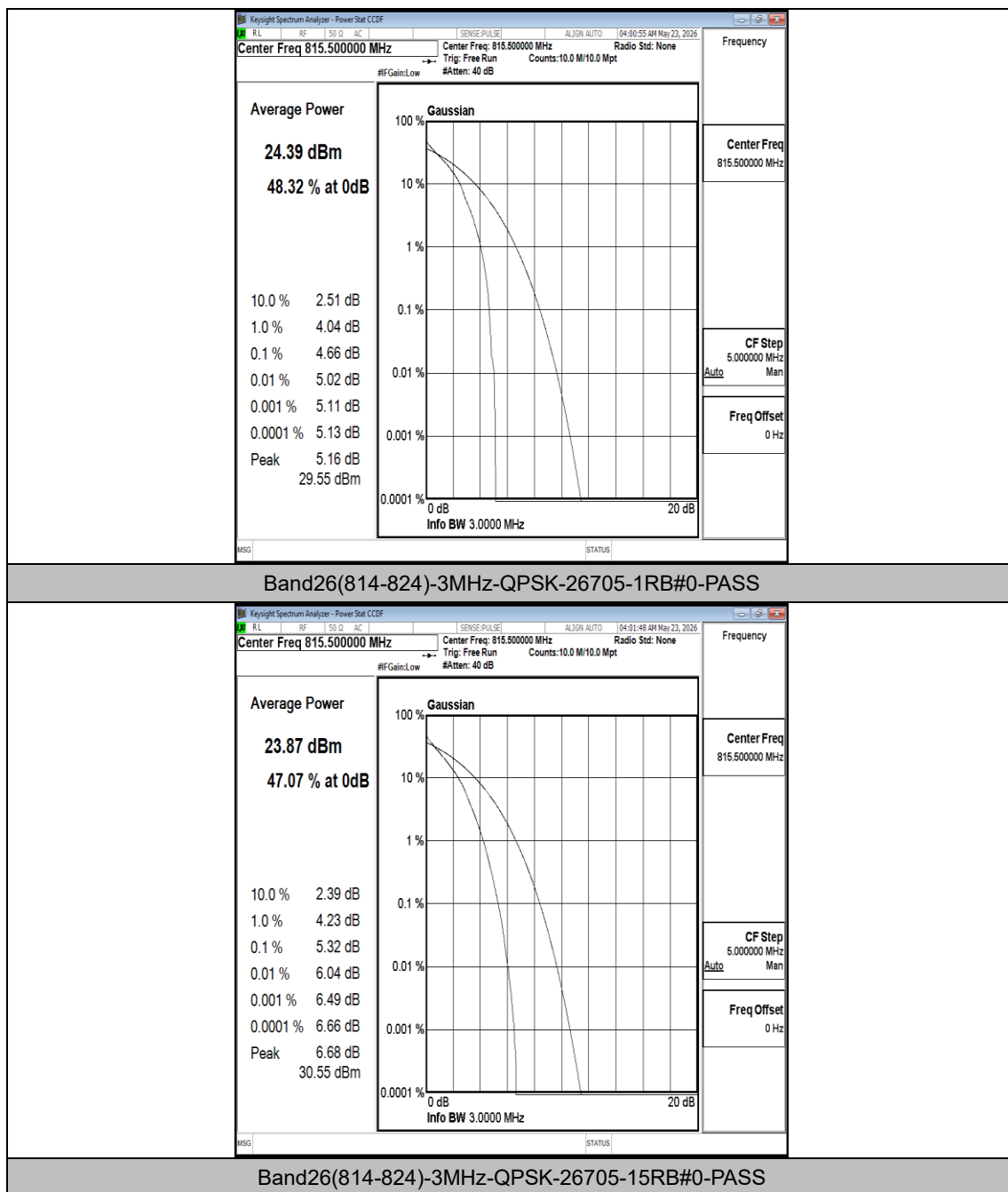


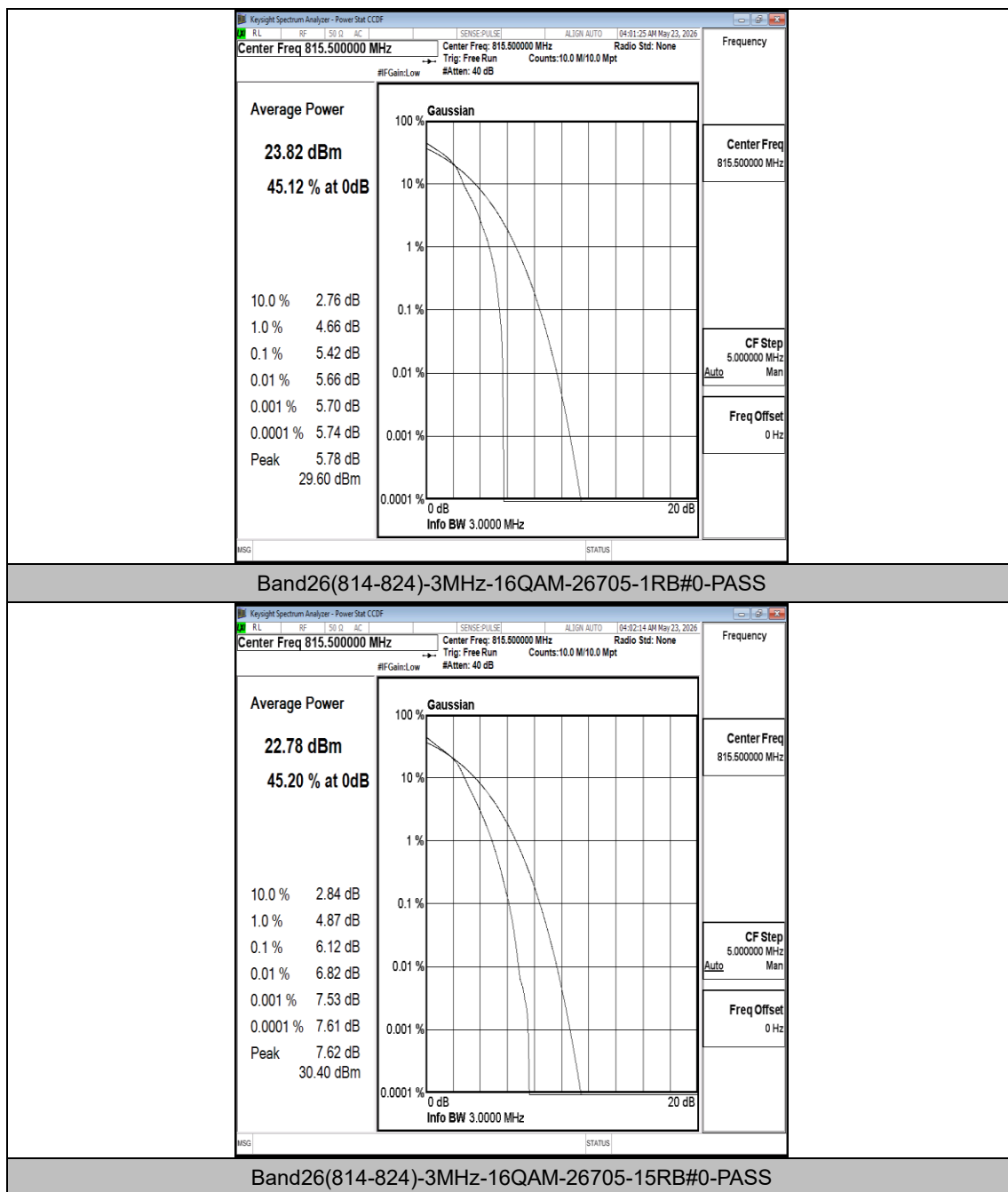


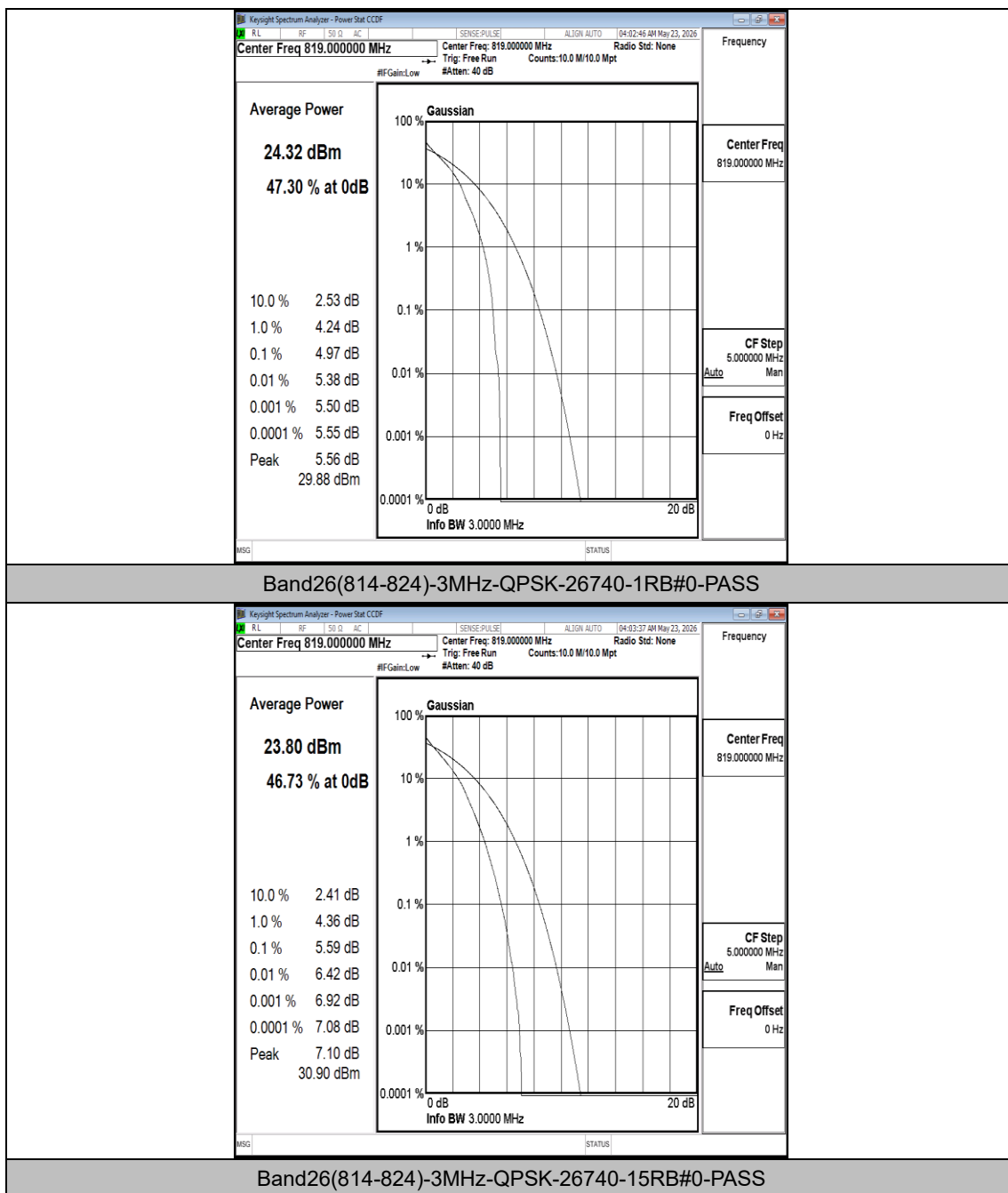


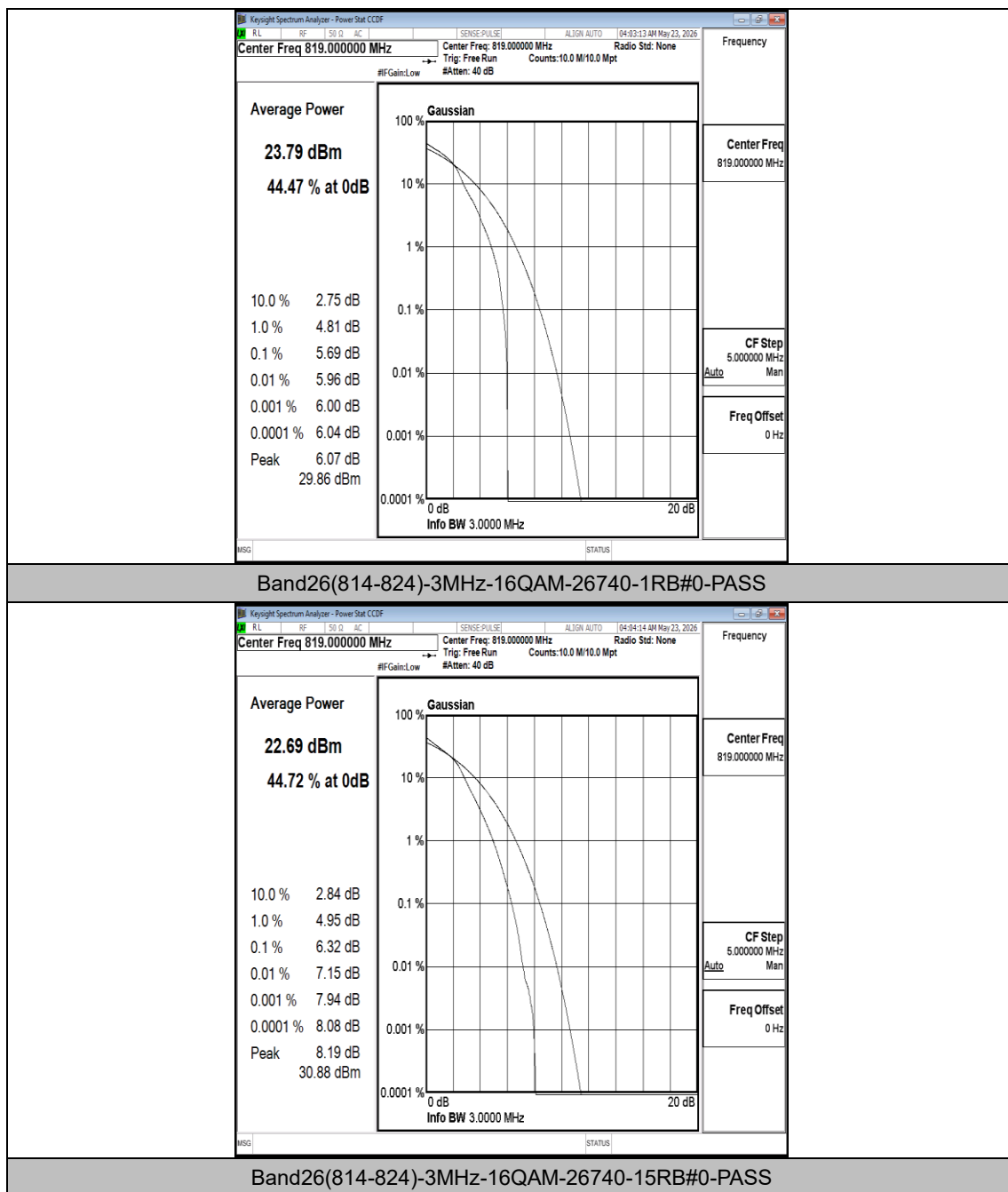


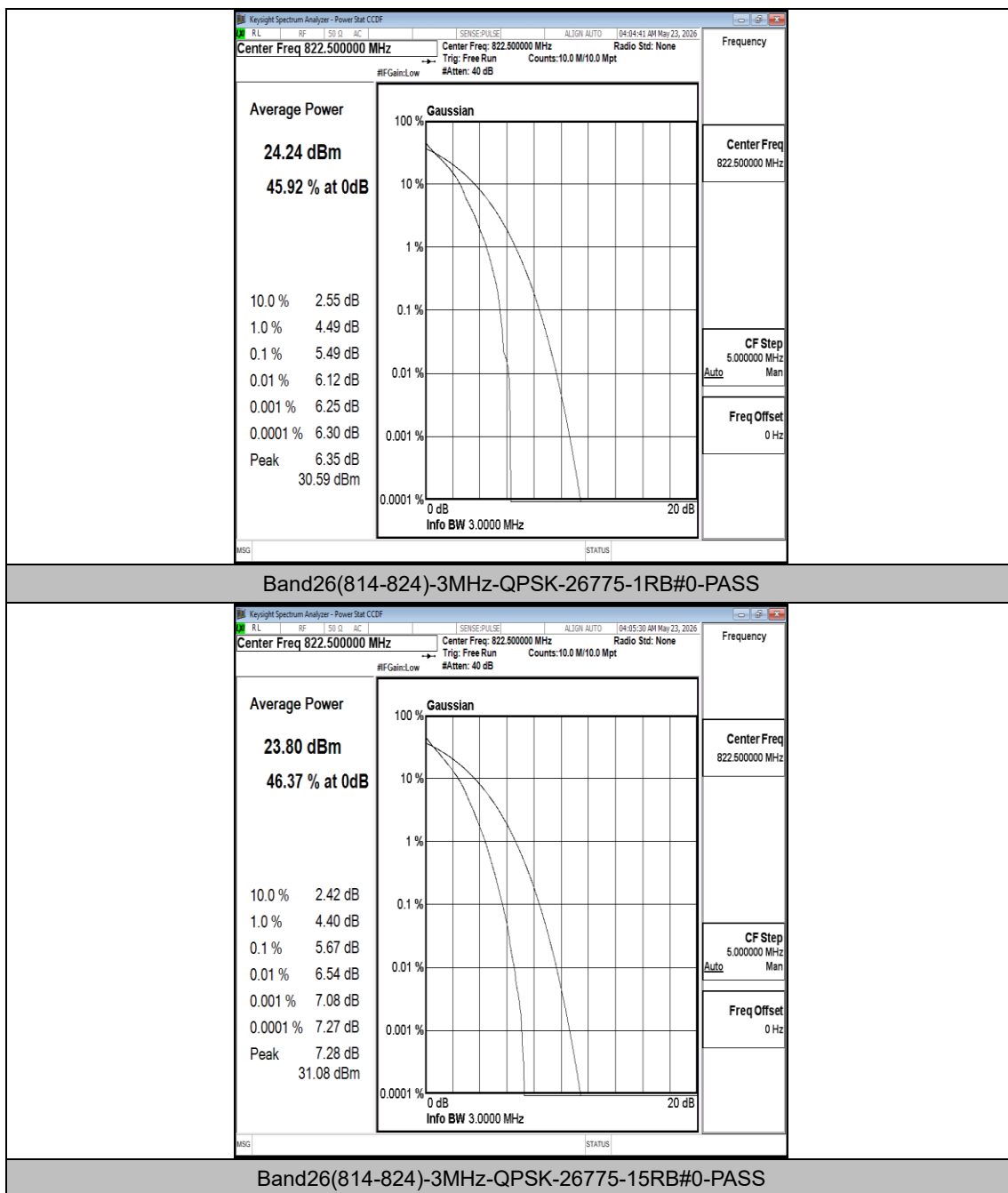


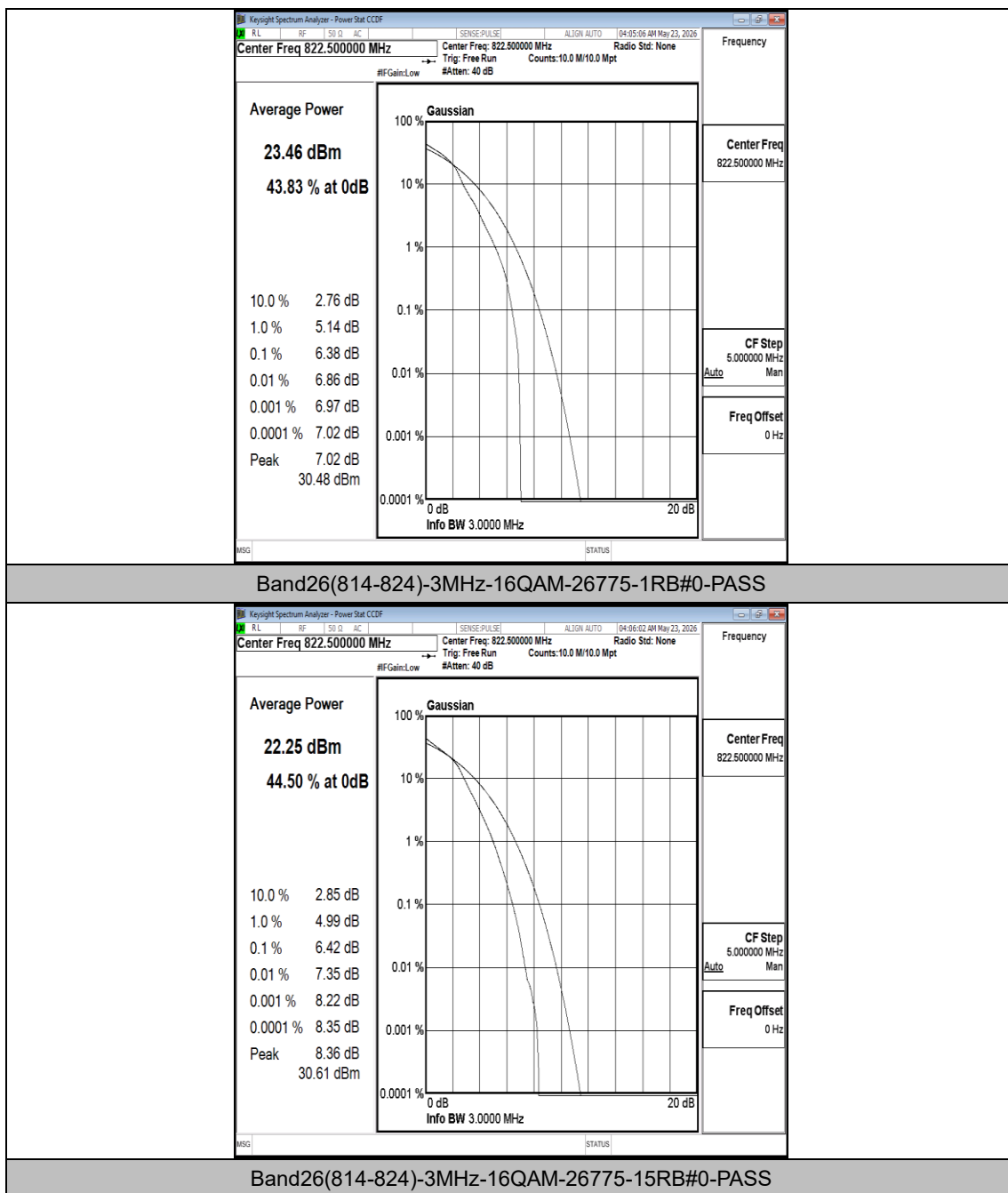


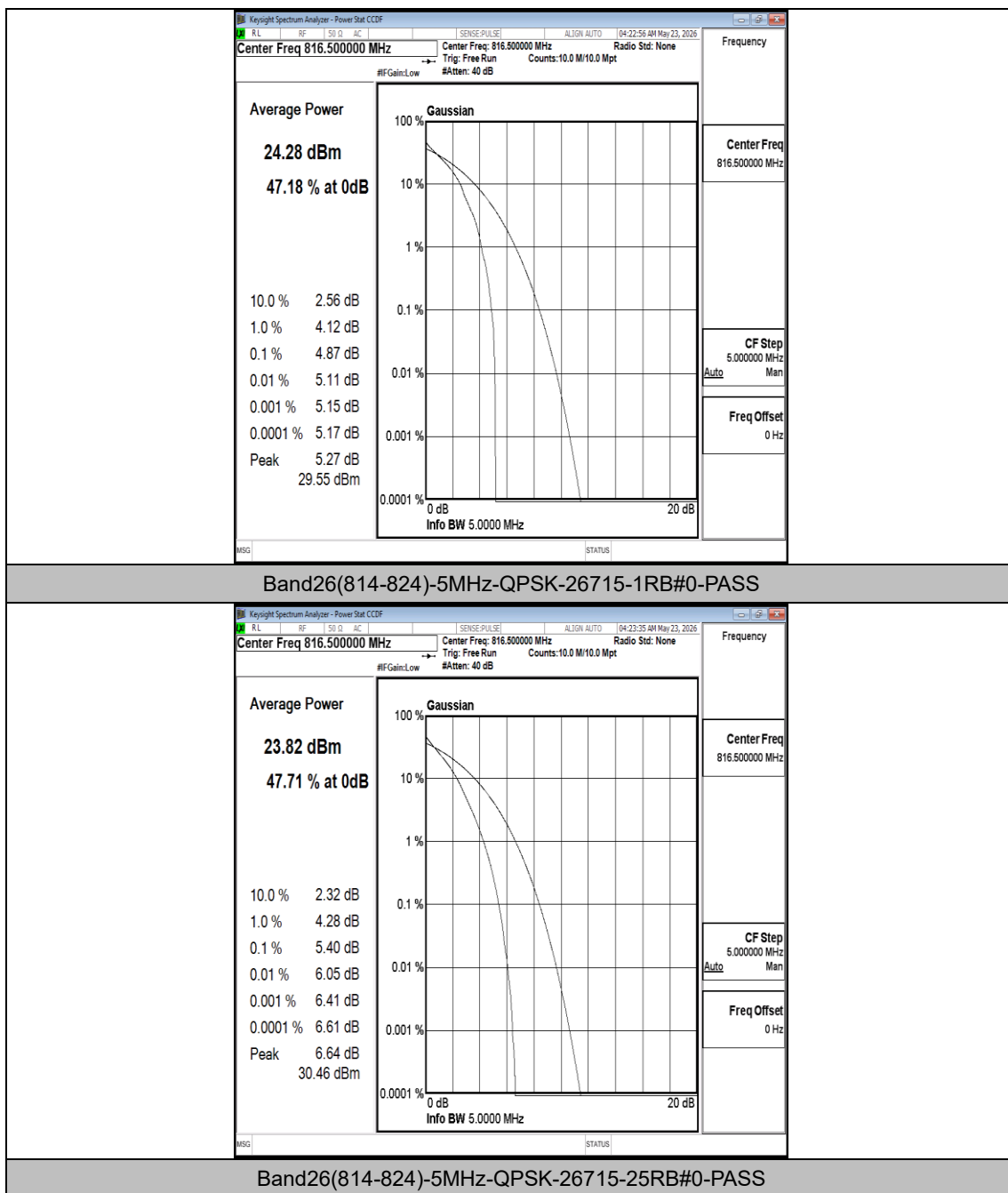


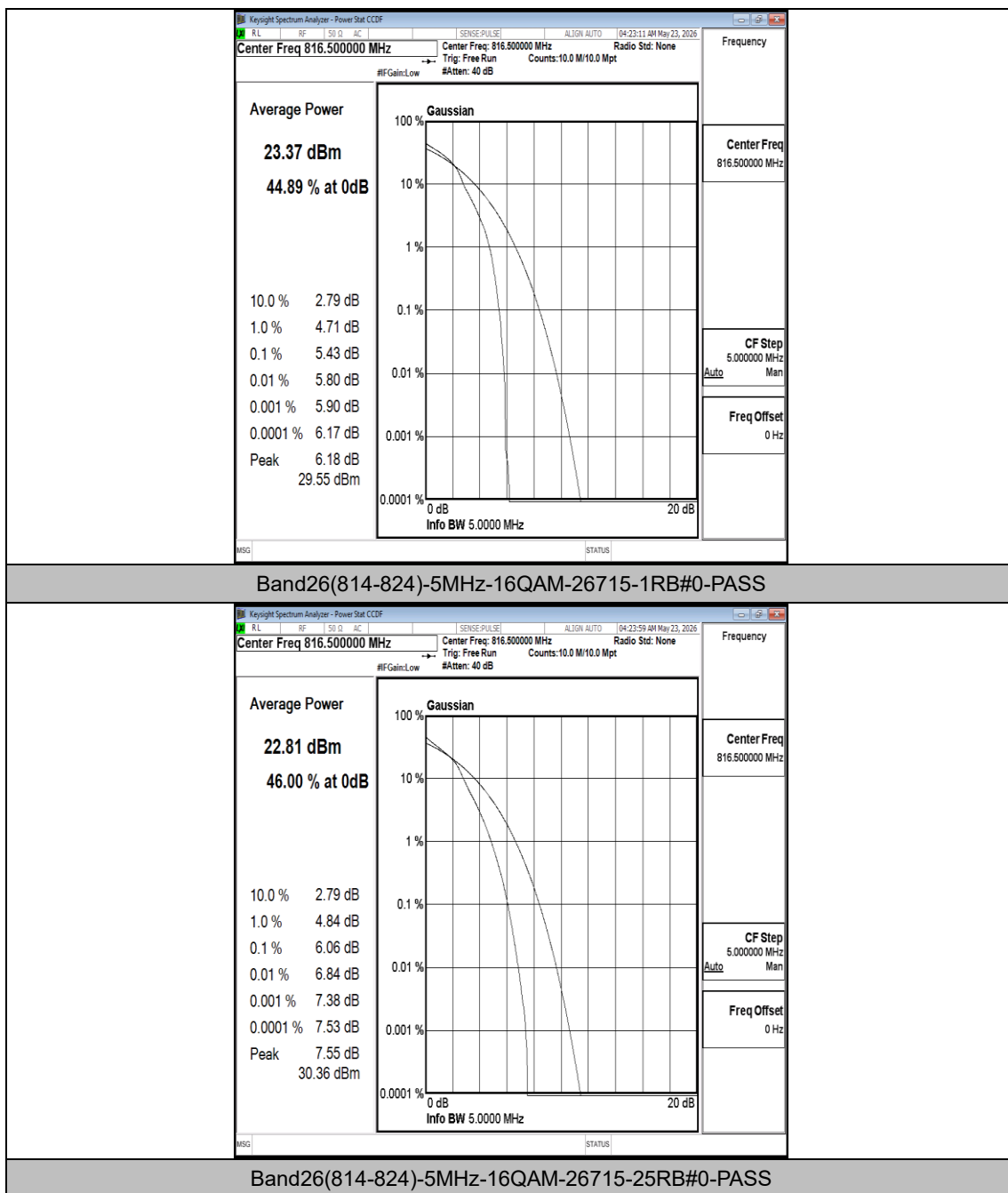


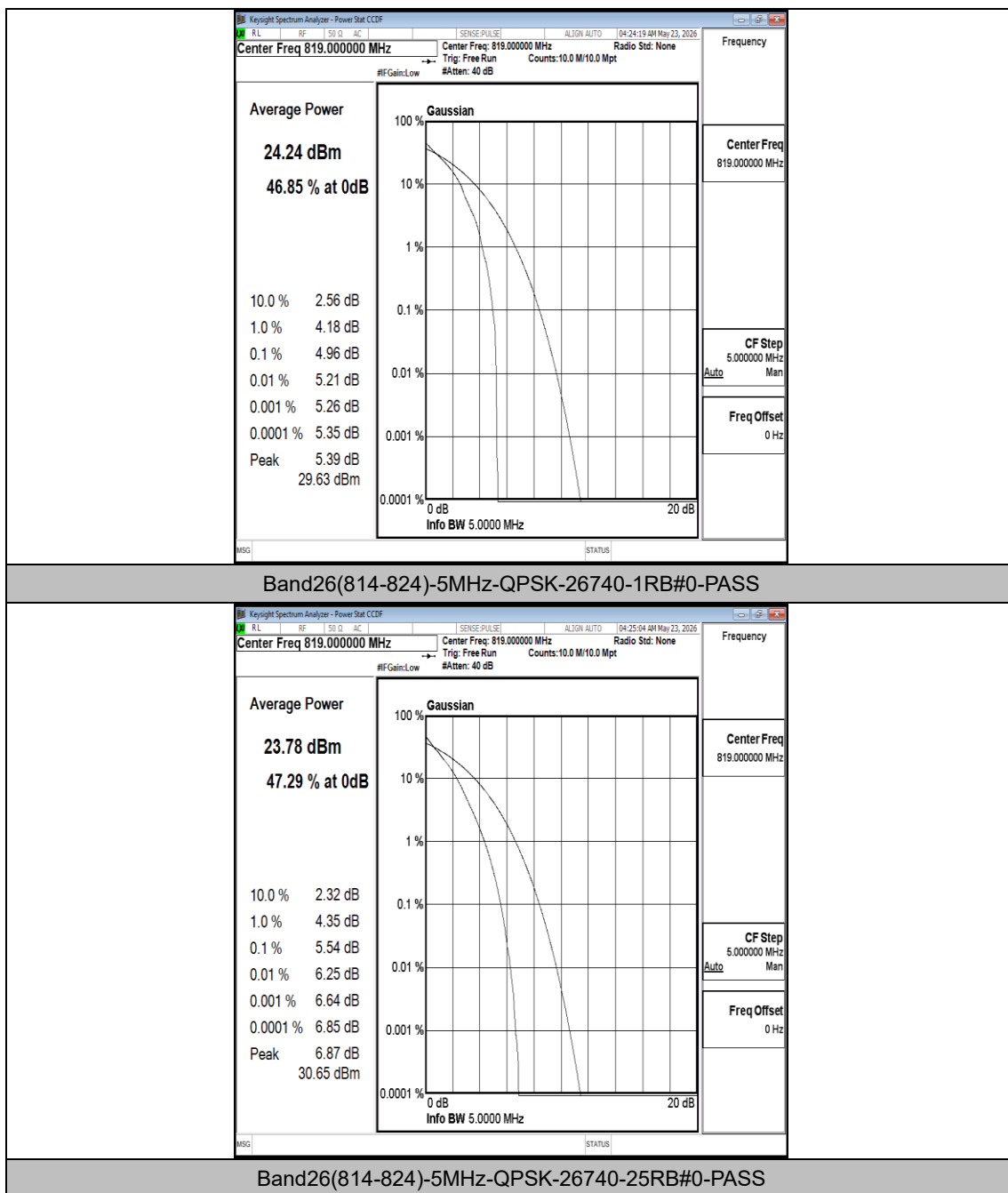


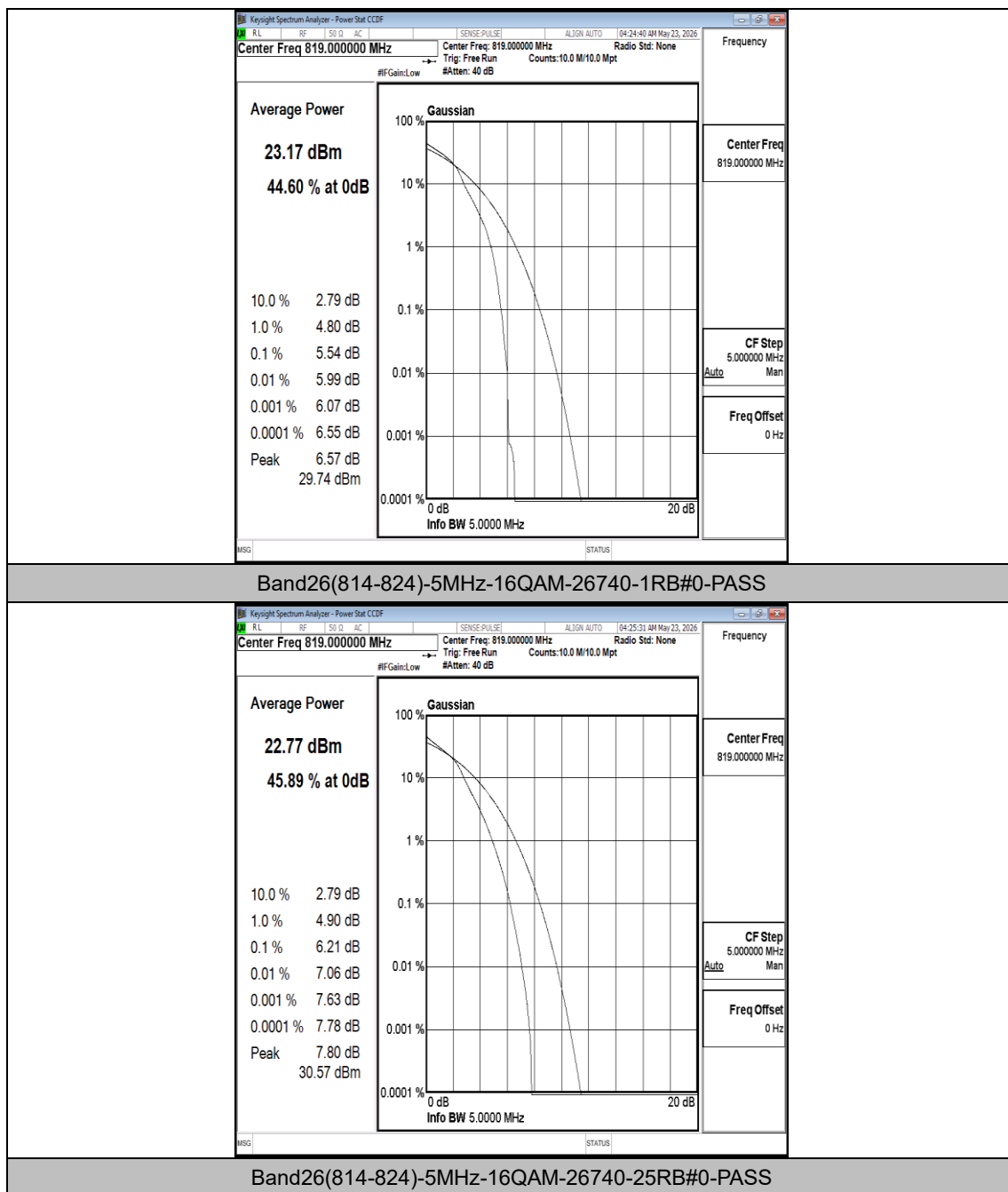


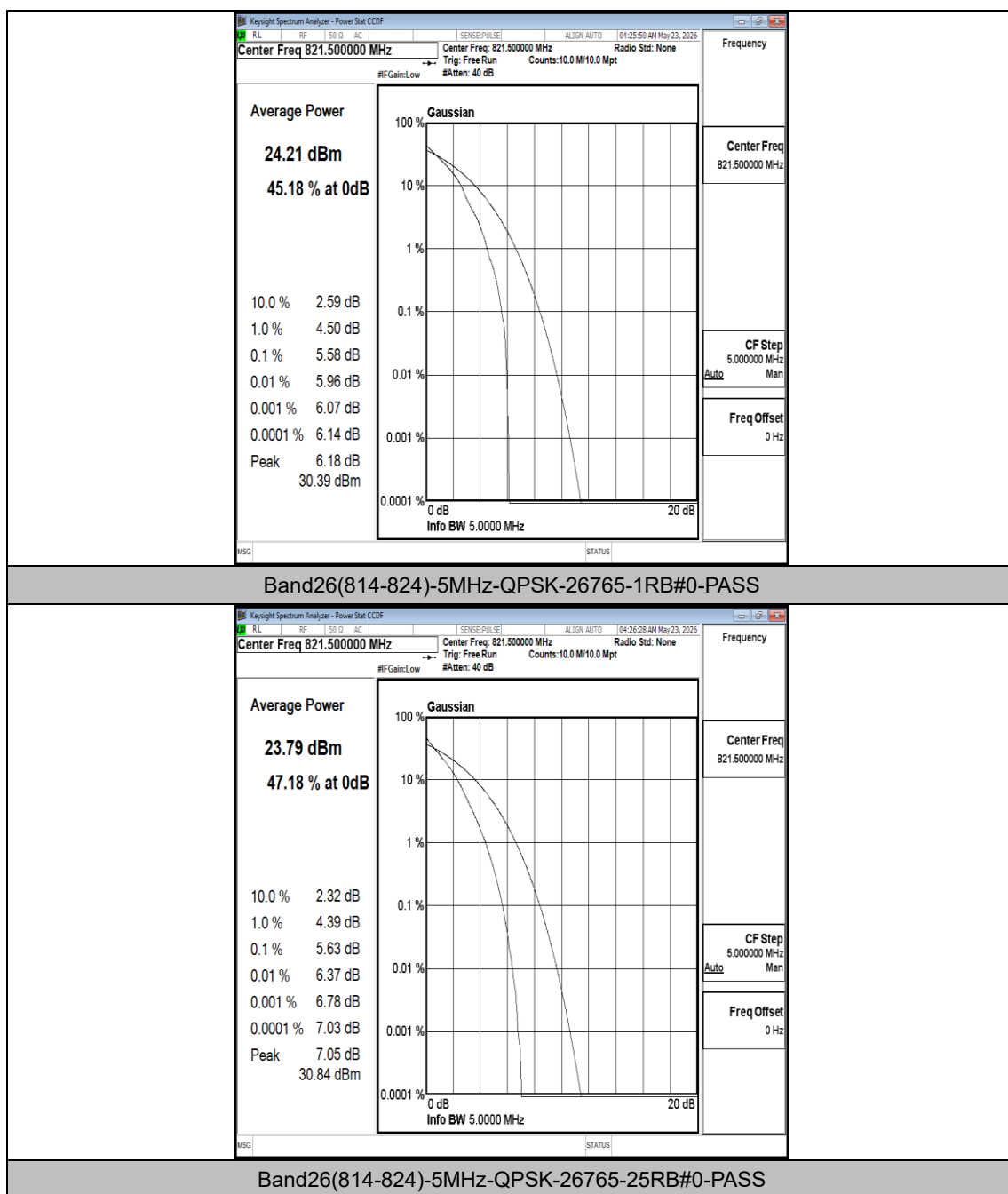


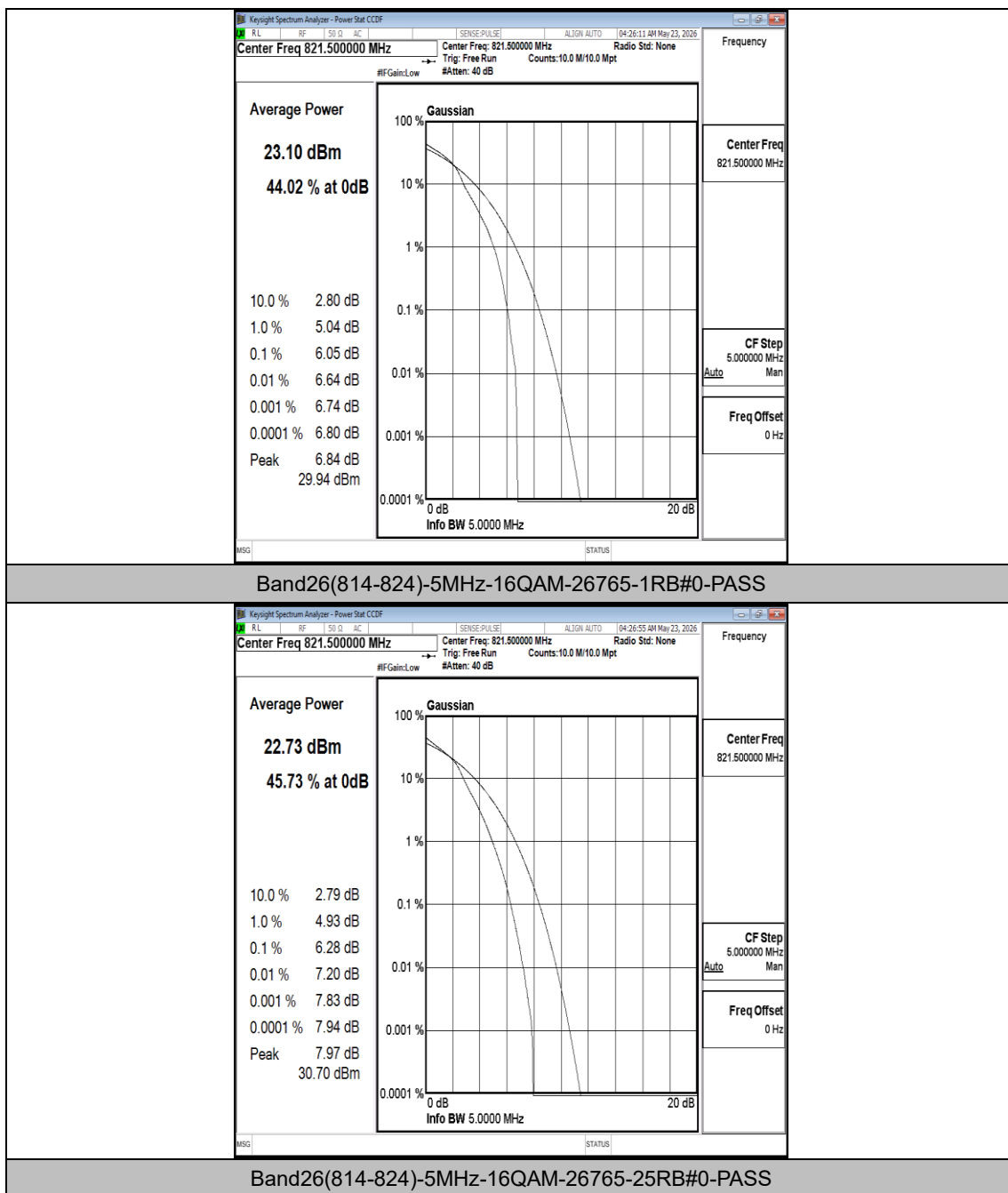


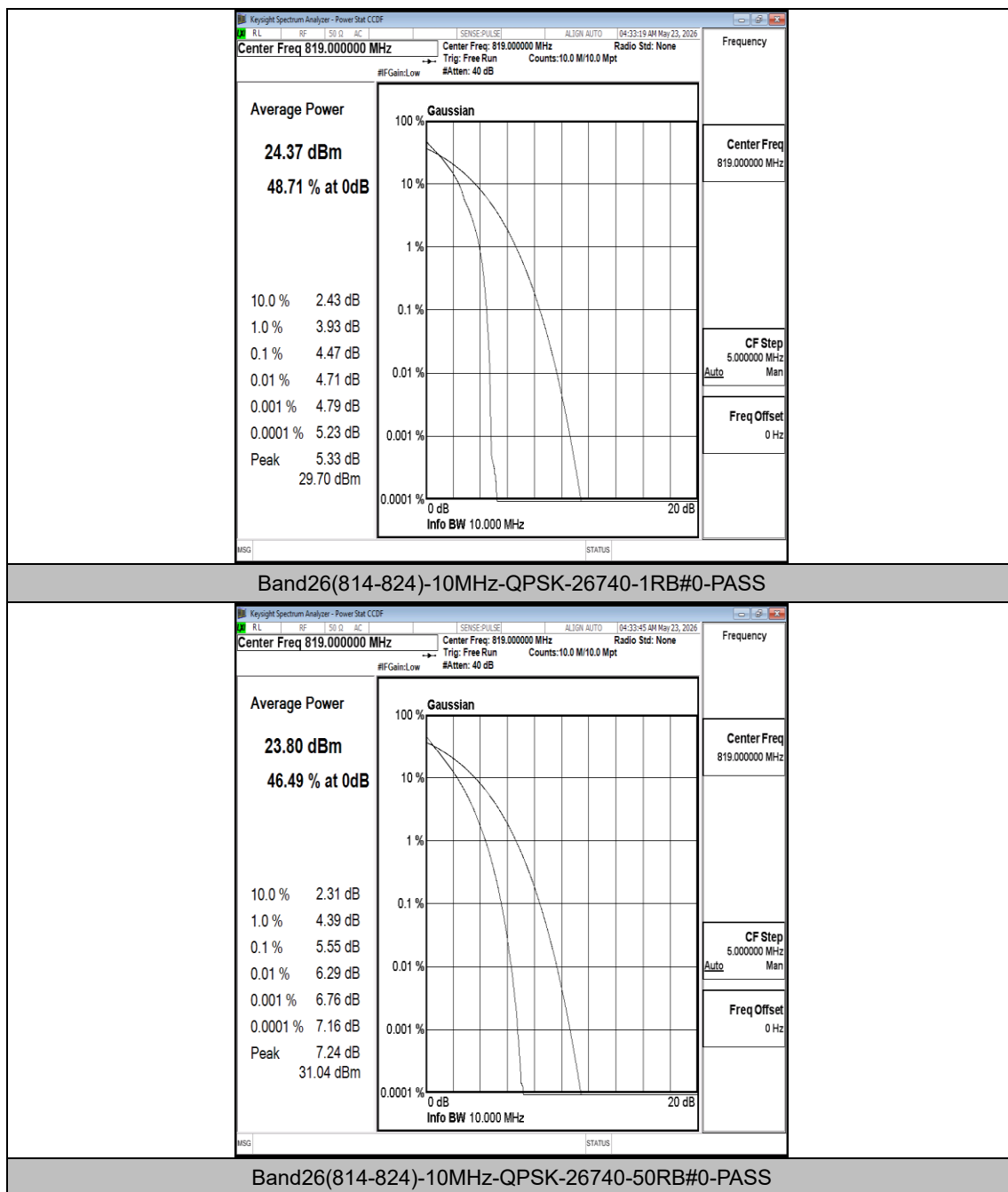


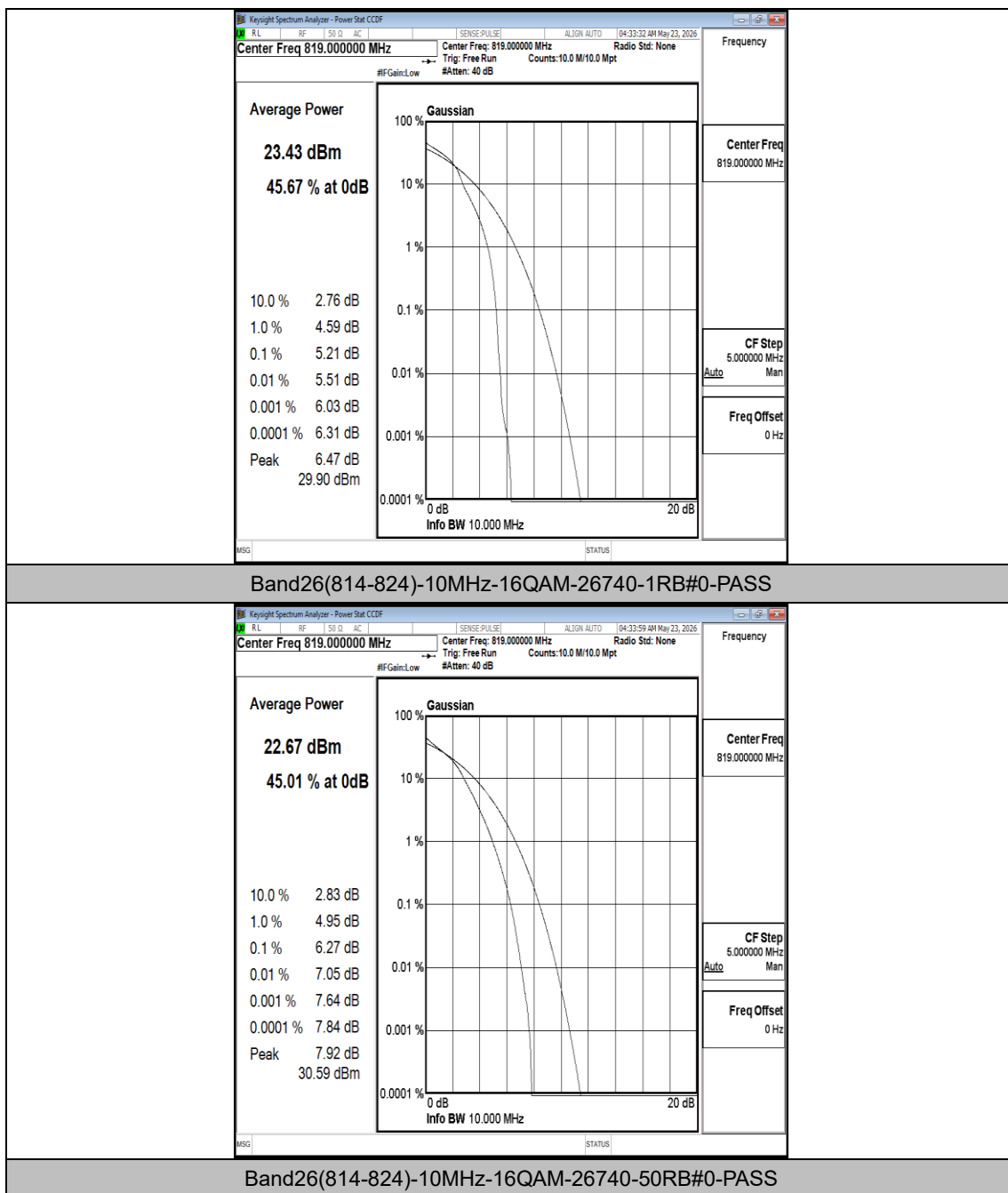










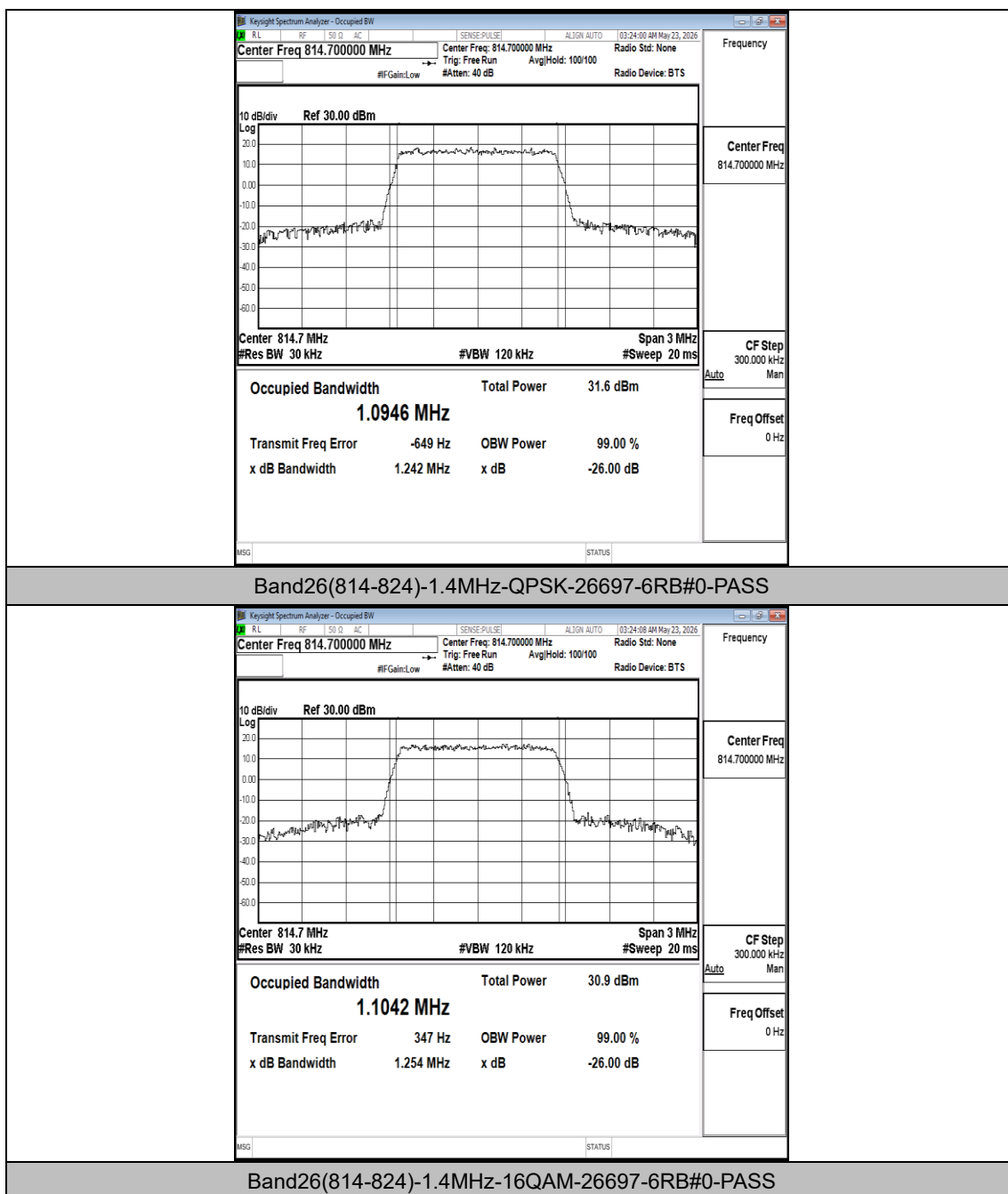


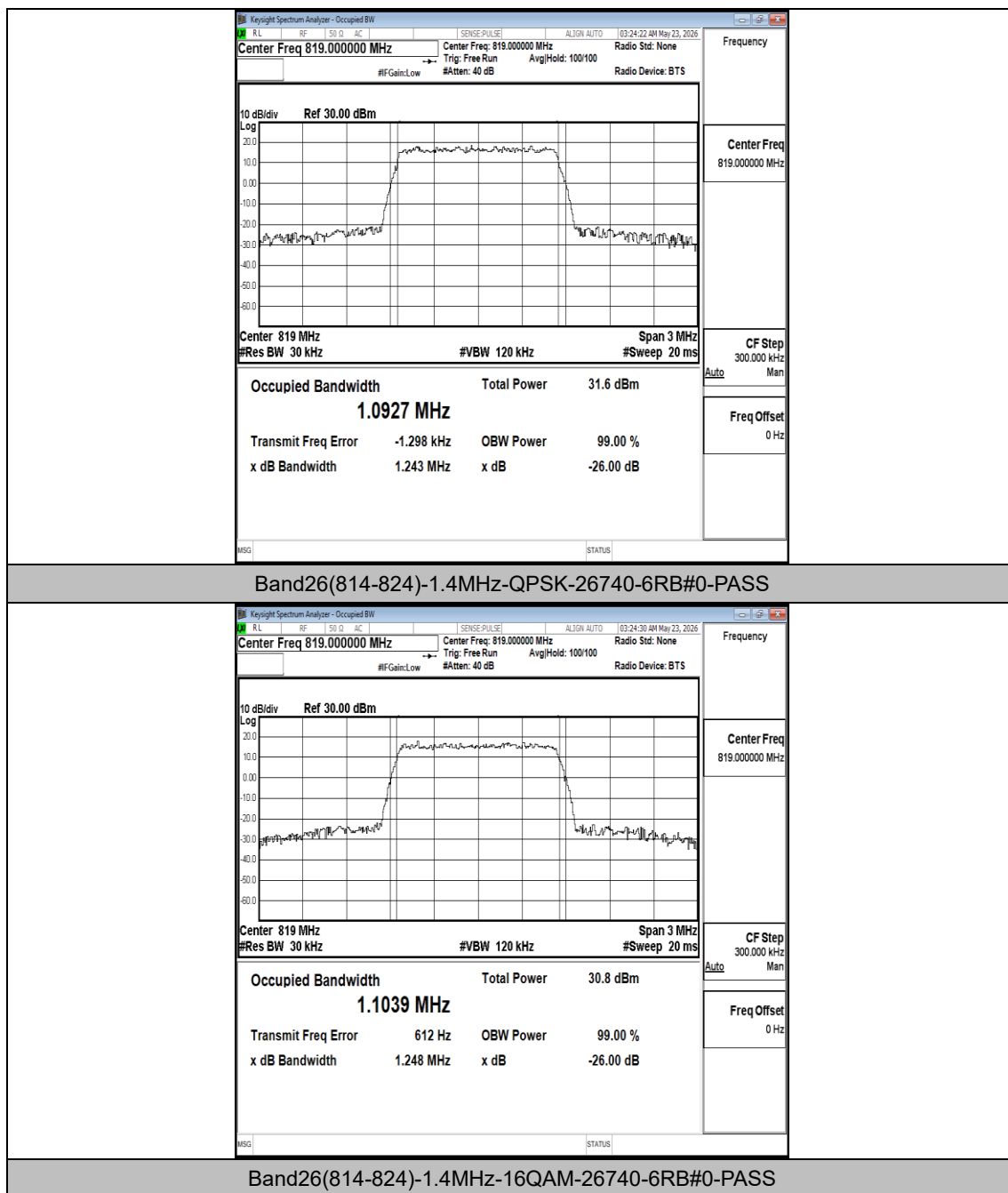
N.3 26dB Bandwidth and Occupied Bandwidth

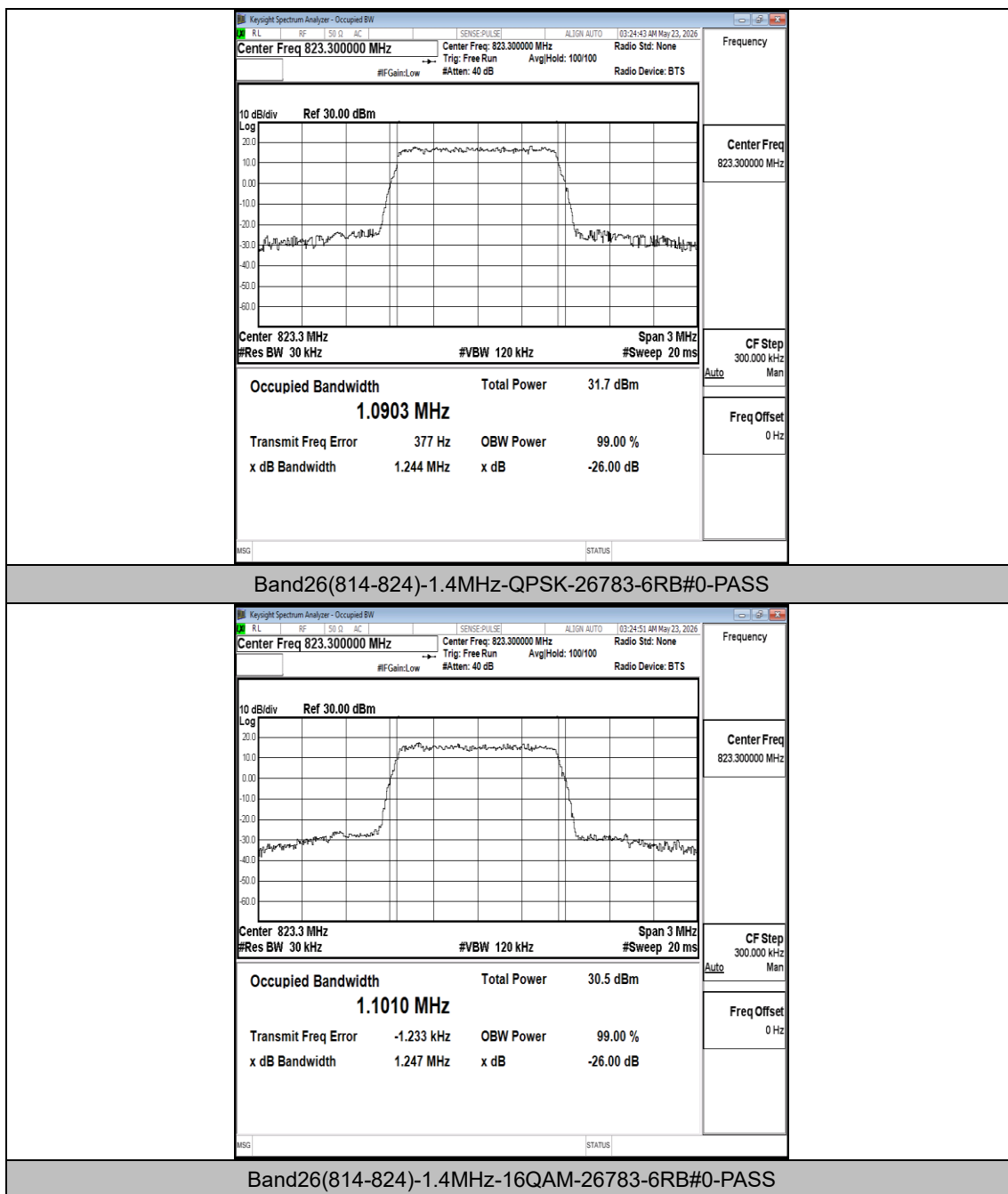
Test Result

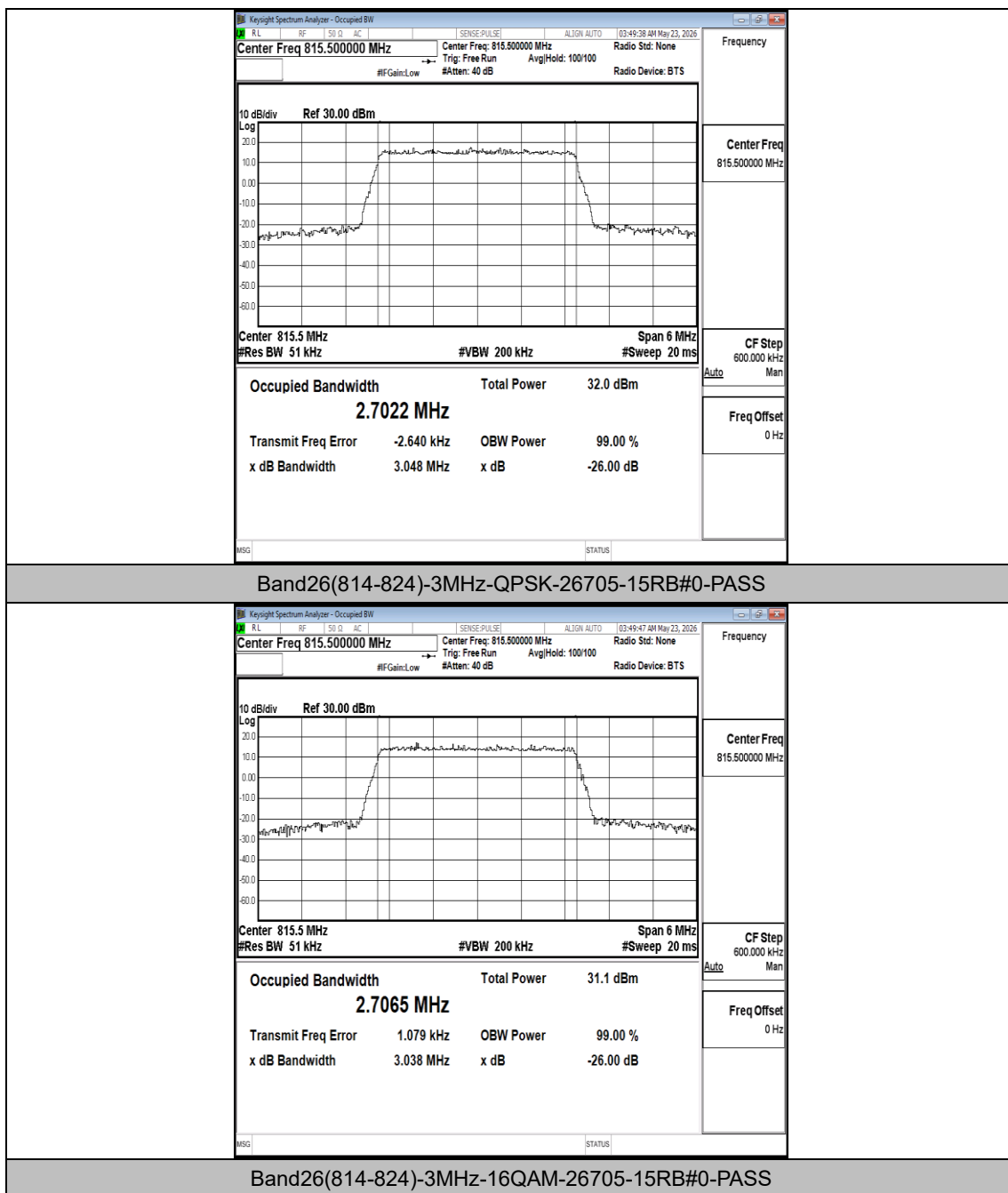
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0946	1.242	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.1042	1.254	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0927	1.243	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.1039	1.248	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0903	1.244	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.1010	1.247	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	2.7022	3.048	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	2.7065	3.038	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	2.7142	3.011	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	2.7172	3.022	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	2.7088	2.993	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	2.7112	3.036	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	4.5118	4.974	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	4.5082	4.946	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	4.5123	4.955	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	4.5040	4.947	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	4.5171	4.956	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	4.5070	4.943	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	9.0194	9.929	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	8.9992	9.967	PASS

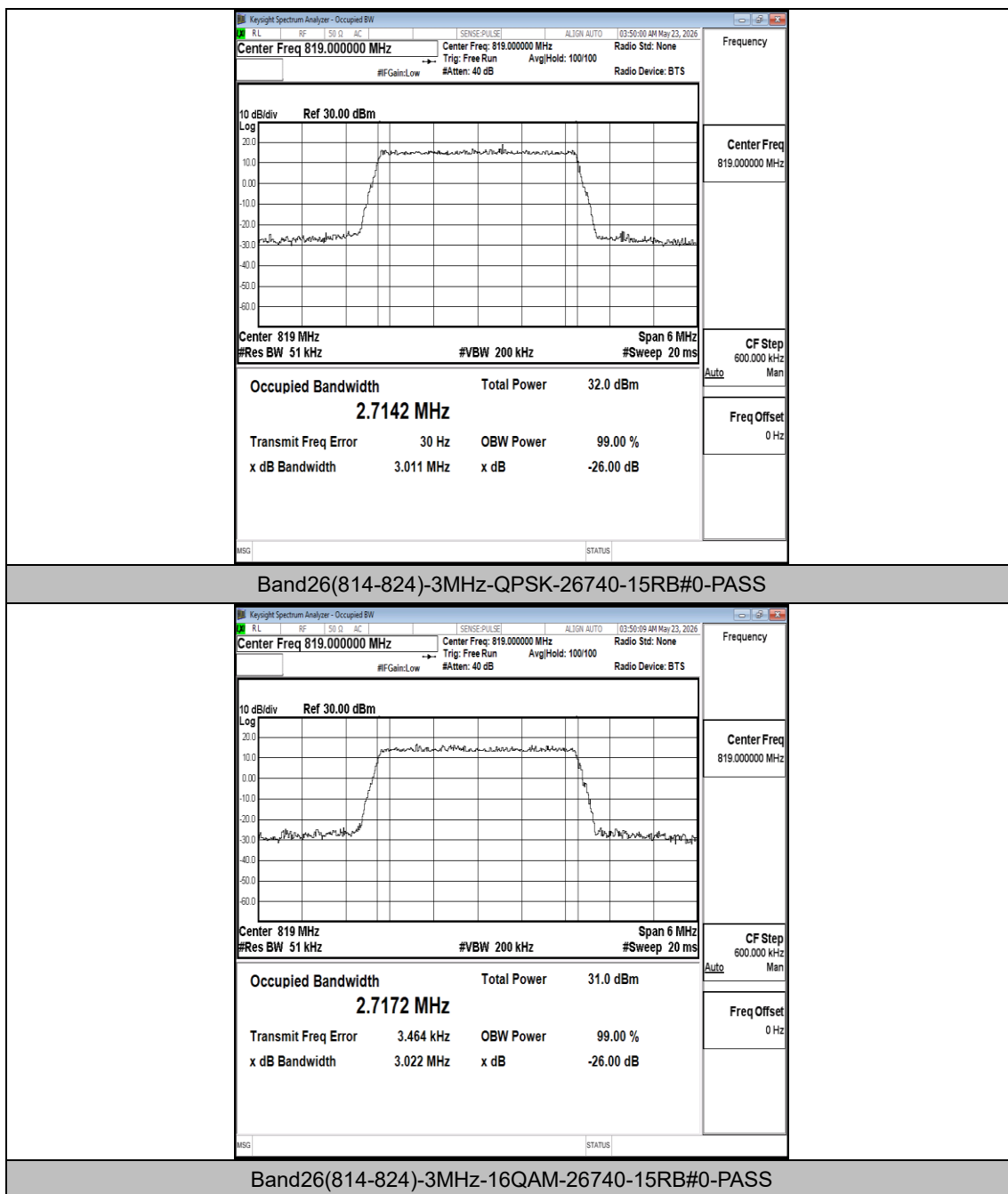
Test Graphs

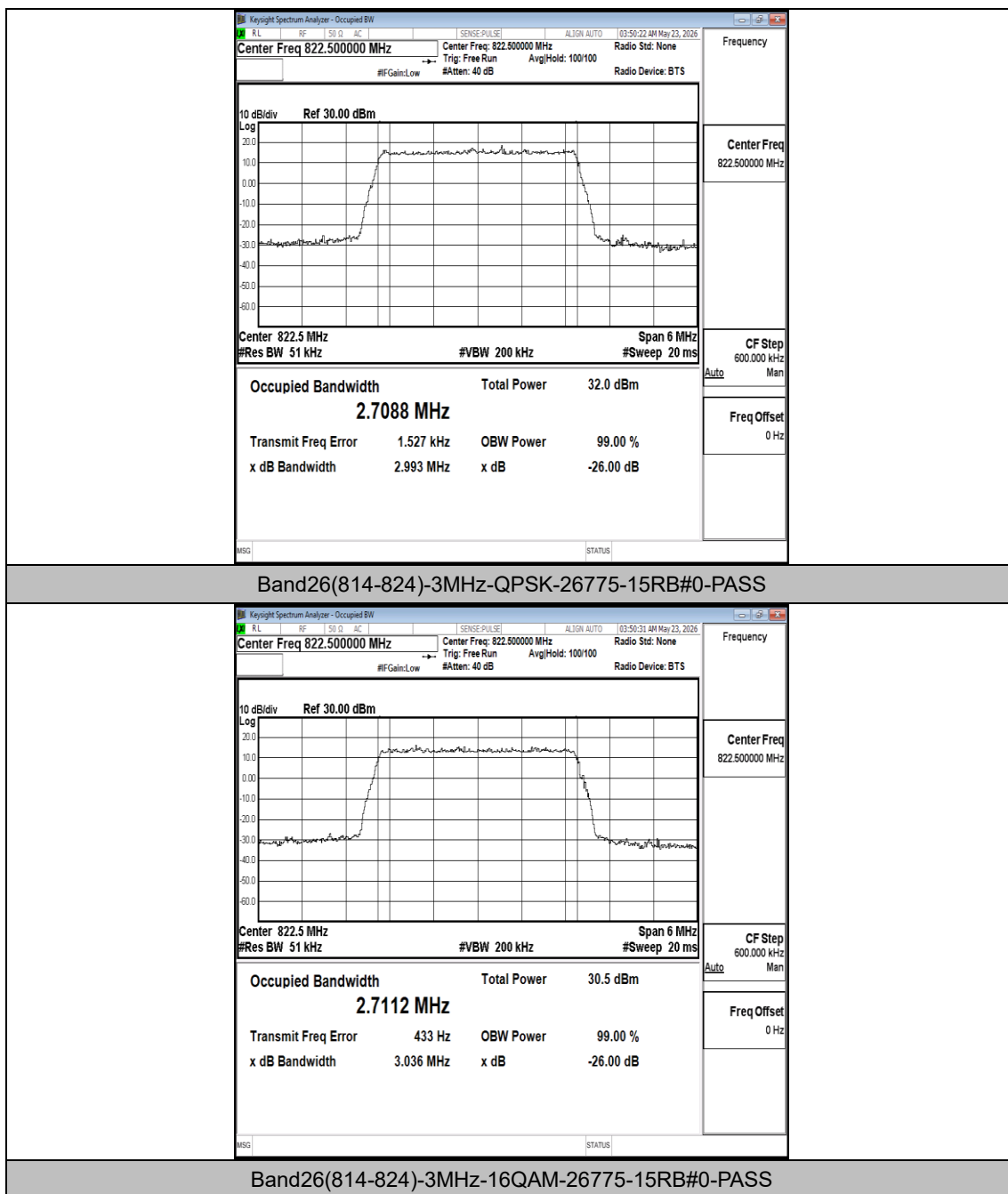


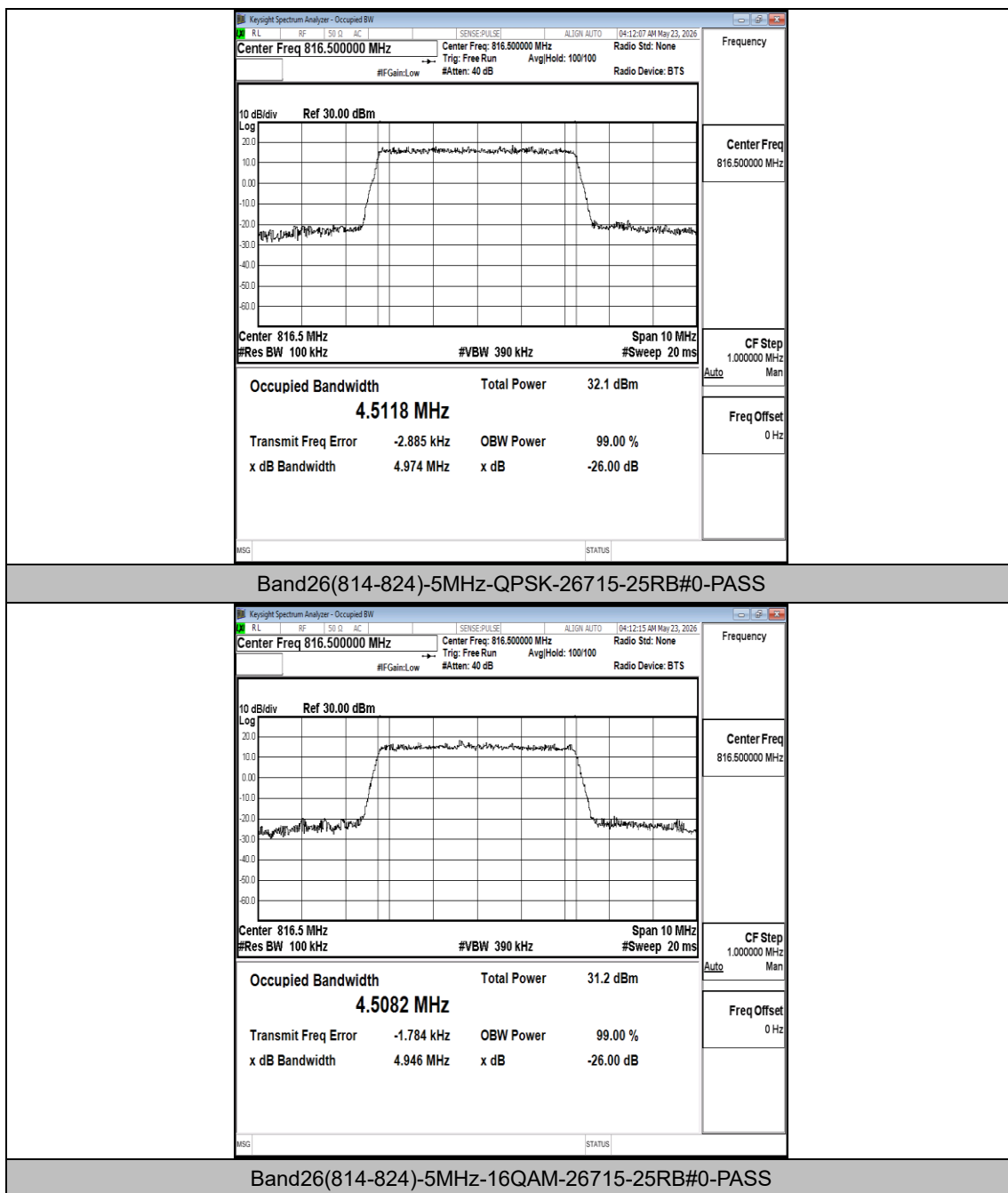


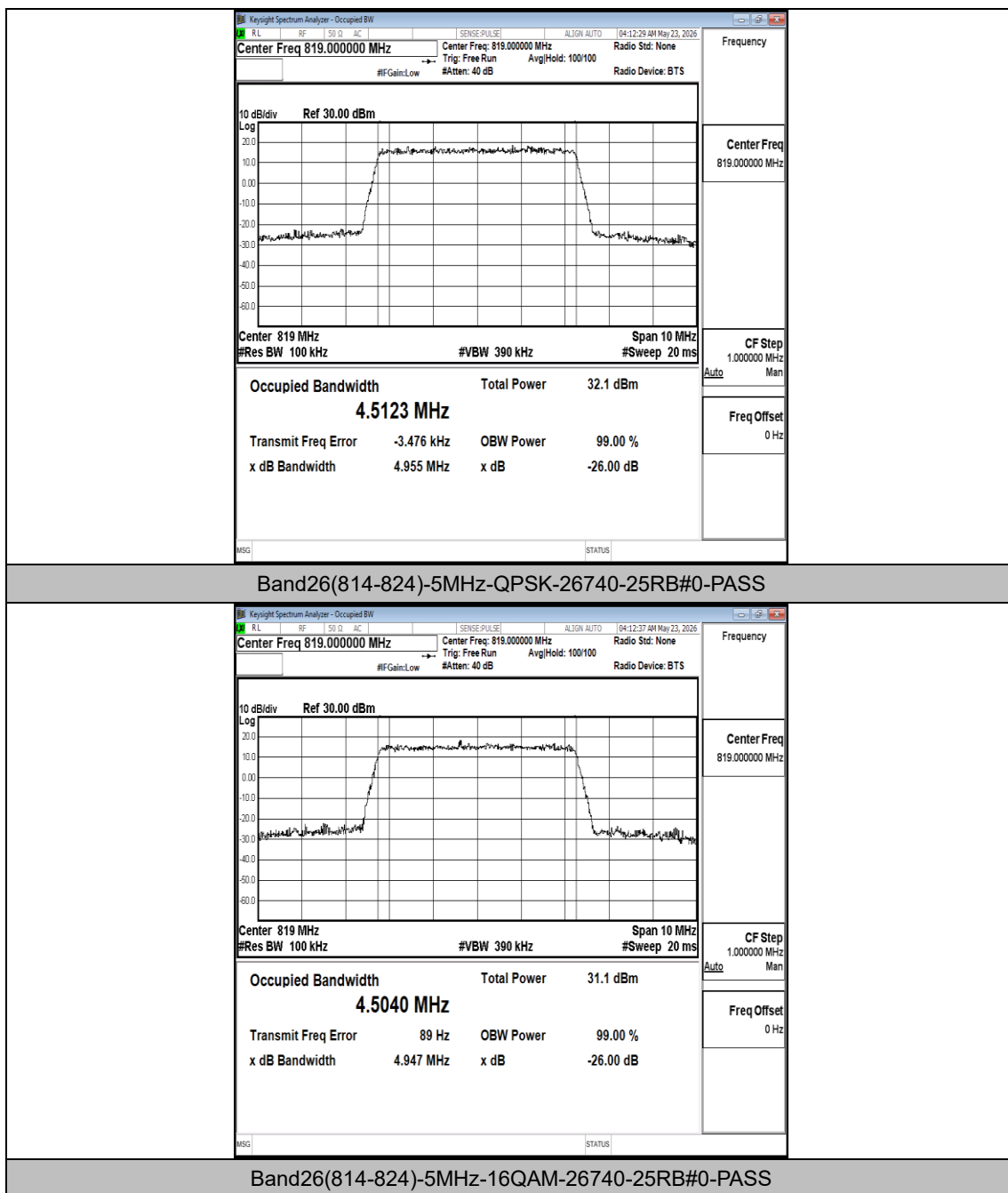


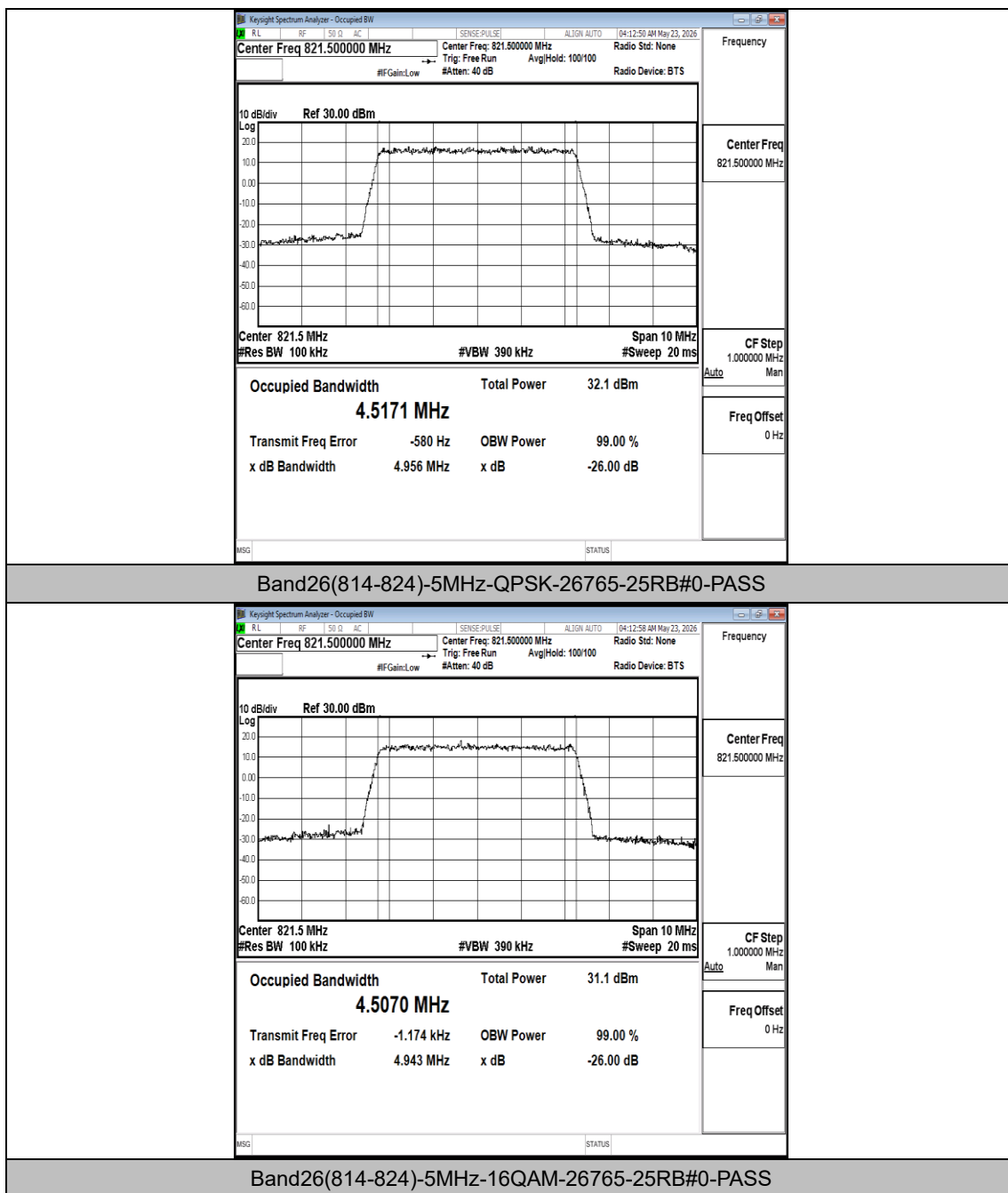


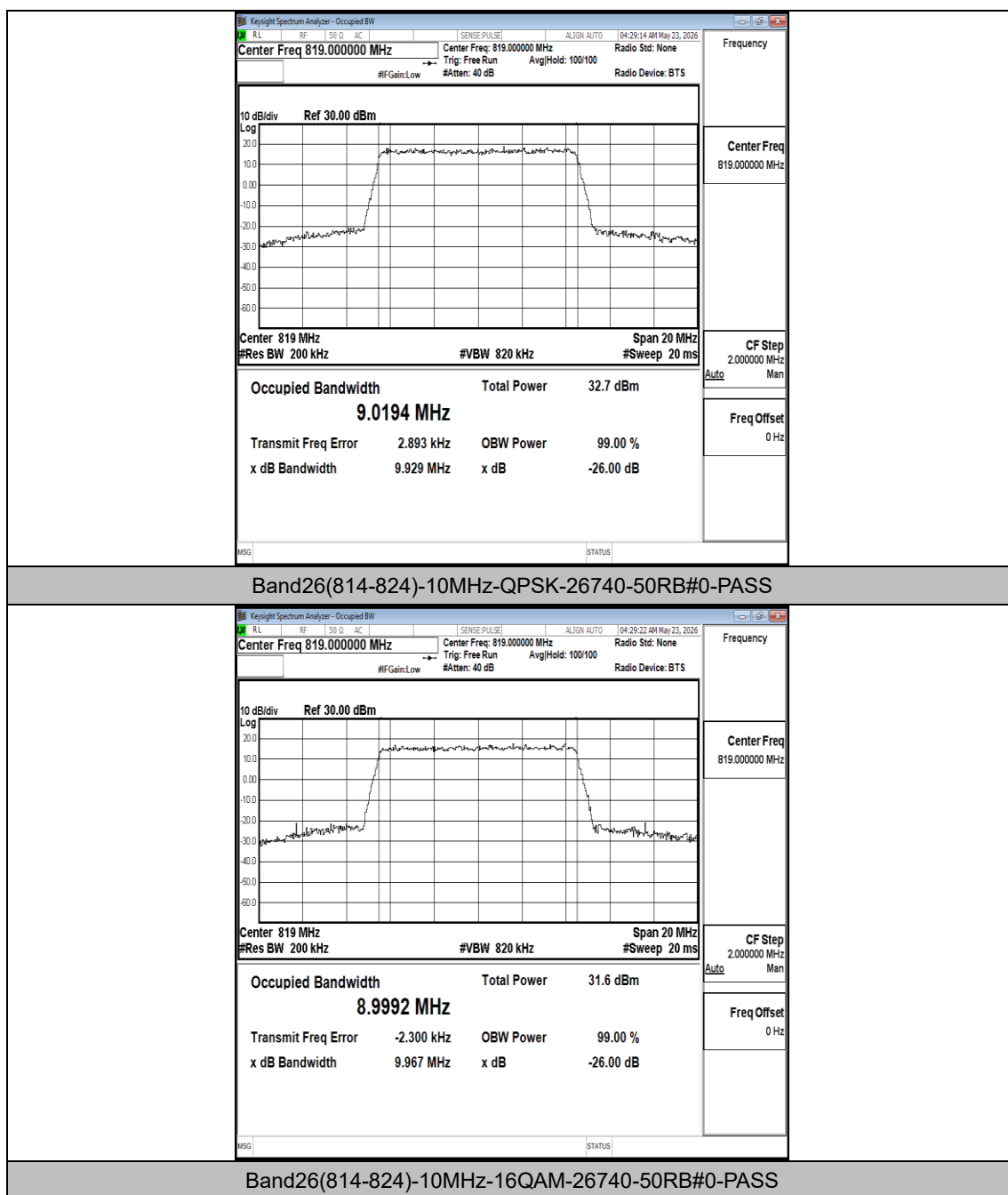












N.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	-26.86	13.86	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	-29.01	16.01	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	-32.02	19.02	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	-33.71	20.71	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	-27.88	14.88	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	-29.28	16.28	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	-37.75	17.75	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	-35.64	15.64	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	-31.79	18.79	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	-33.76	20.76	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	-34.35	21.35	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	-35.65	22.65	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	-37.32	24.32	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	-39.19	26.19	PASS

Test Graphs

