

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

Product Name: Smart Phone

Test Model: NOTE 18

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 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	1RB#0	24.67	PASS
Band26(814-824)	1.4MHz	QPSK	26697	1RB#2	24.79	PASS
Band26(814-824)	1.4MHz	QPSK	26697	1RB#5	24.66	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#0	24.69	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#1	24.79	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#3	24.69	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	24.18	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#0	23.97	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#2	24.75	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#5	23.85	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#0	23.43	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#1	23.54	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#3	23.35	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	22.72	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#0	24.56	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#2	24.41	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#5	24.67	PASS
Band26(814-824)	1.4MHz	QPSK	26740	3RB#0	24.56	PASS
Band26(814-824)	1.4MHz	QPSK	26740	3RB#1	24.47	PASS
Band26(814-824)	1.4MHz	QPSK	26740	3RB#3	24.56	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	24.07	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#0	24.67	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#2	24.09	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#5	24.17	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#0	23.42	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#1	23.37	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#3	23.46	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	22.67	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#0	24.42	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#2	24.54	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#5	24.34	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#0	24.48	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#1	24.48	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#3	24.34	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	23.81	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#0	24.59	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#2	25.00	PASS

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Band26(814-824)	1.4MHz	16QAM	26783	1RB#5	24.23	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#0	23.19	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#1	23.47	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#3	22.96	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	23.00	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#0	24.68	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#8	24.87	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#14	24.43	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#0	24.21	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#4	24.12	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#7	24.08	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	24.17	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#0	24.10	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#8	25.47	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#14	23.80	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#0	22.89	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#4	22.73	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#7	23.14	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	22.67	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#0	24.65	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#8	24.41	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#14	24.57	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#0	24.01	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#4	23.97	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#7	24.00	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	23.97	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#0	24.65	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#8	24.72	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#14	24.61	PASS
Band26(814-824)	3MHz	16QAM	26740	8RB#0	22.75	PASS
Band26(814-824)	3MHz	16QAM	26740	8RB#4	22.76	PASS
Band26(814-824)	3MHz	16QAM	26740	8RB#7	22.58	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	22.55	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#0	24.40	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#8	24.65	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#14	24.36	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#0	24.02	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#4	23.94	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#7	23.98	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	23.98	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#0	23.81	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#8	24.92	PASS

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Band26(814-824)	3MHz	16QAM	26775	1RB#14	23.82	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#0	22.65	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#4	22.64	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#7	23.00	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	22.82	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#0	24.65	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#12	24.58	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#24	24.55	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#0	24.20	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#6	24.07	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#13	24.02	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	24.26	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#0	24.07	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#12	24.53	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#24	24.26	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#0	22.82	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#6	23.03	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#13	23.00	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	23.04	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#0	24.67	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#12	24.65	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#24	24.55	PASS
Band26(814-824)	5MHz	QPSK	26740	12RB#0	24.11	PASS
Band26(814-824)	5MHz	QPSK	26740	12RB#6	23.99	PASS
Band26(814-824)	5MHz	QPSK	26740	12RB#13	24.10	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	24.06	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#0	24.11	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#12	23.60	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#24	24.00	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#0	22.91	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#6	22.56	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#13	22.63	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	22.64	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#0	24.53	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#12	24.33	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#24	24.36	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#0	24.00	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#6	23.87	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#13	23.92	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	24.01	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#0	23.36	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#12	23.73	PASS

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Band26(814-824)	5MHz	16QAM	26765	1RB#24	23.21	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#0	22.46	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#6	22.48	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#13	22.75	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	22.62	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#0	24.68	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#24	24.60	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#49	24.37	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#0	24.04	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#12	24.07	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#25	24.02	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	24.05	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#0	23.80	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#24	24.54	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#49	23.48	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#0	23.11	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#12	22.73	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#25	22.54	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	22.64	PASS

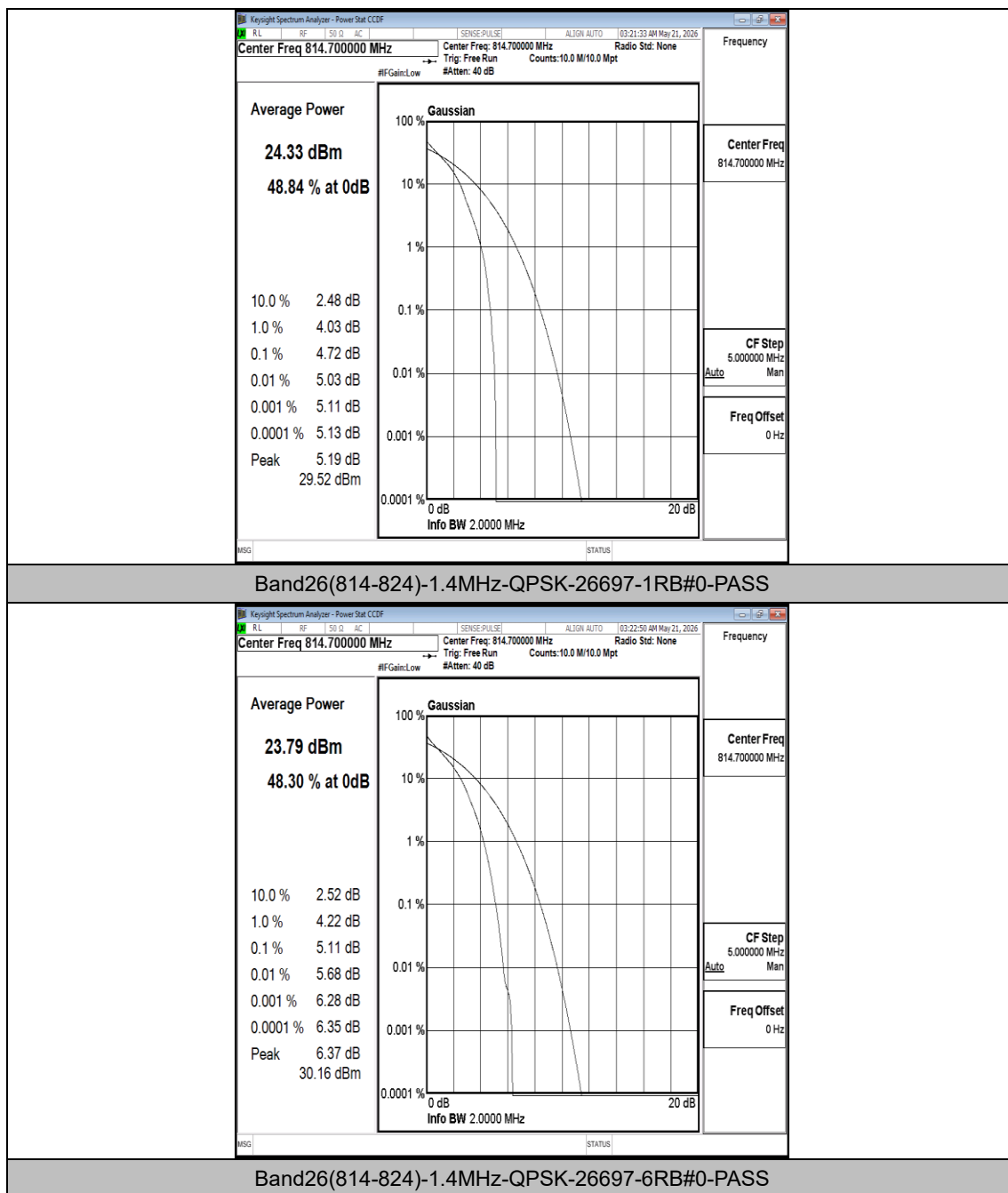
N.2 Peak-to-Average Ratio(CCDF)

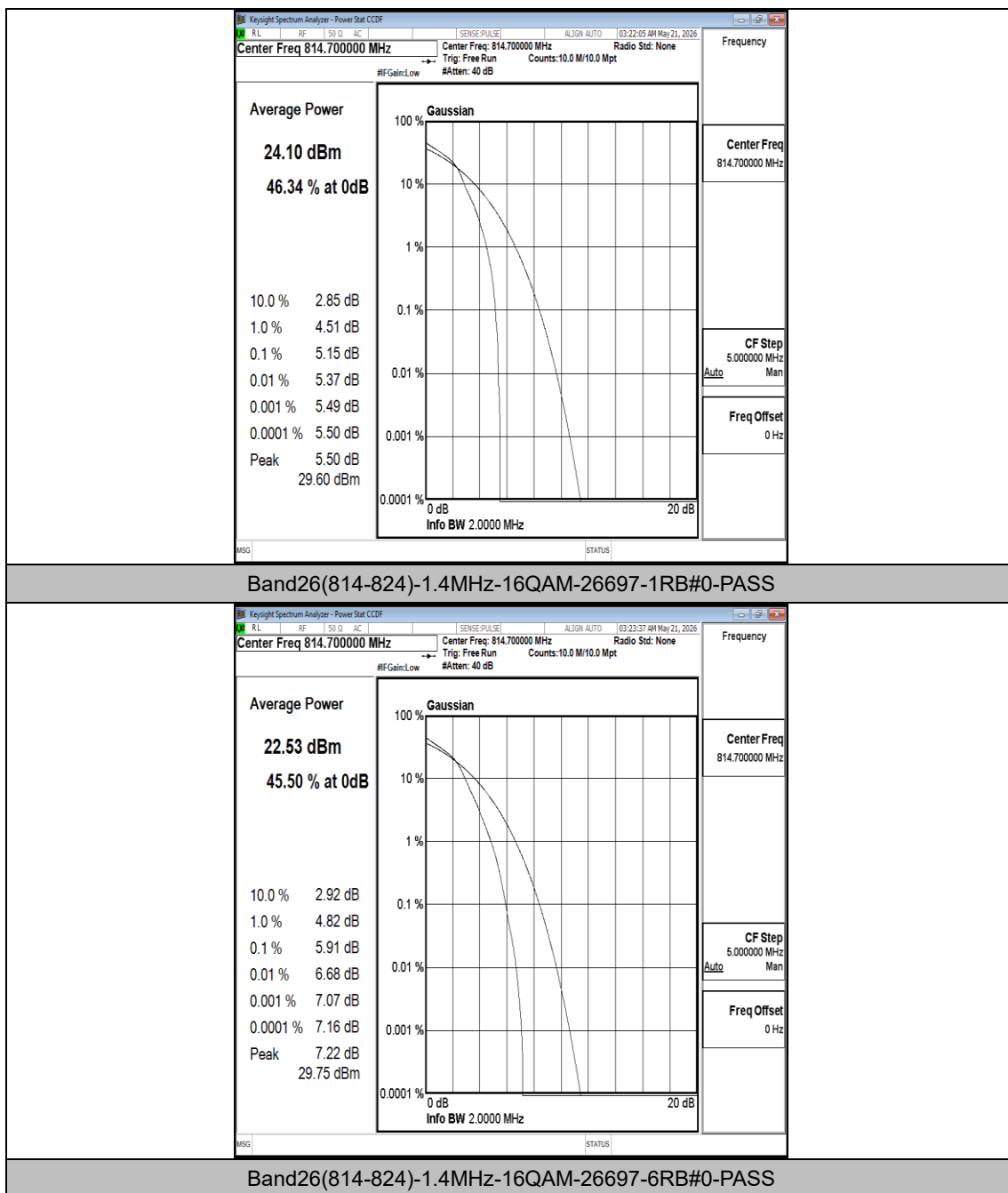
Test Result

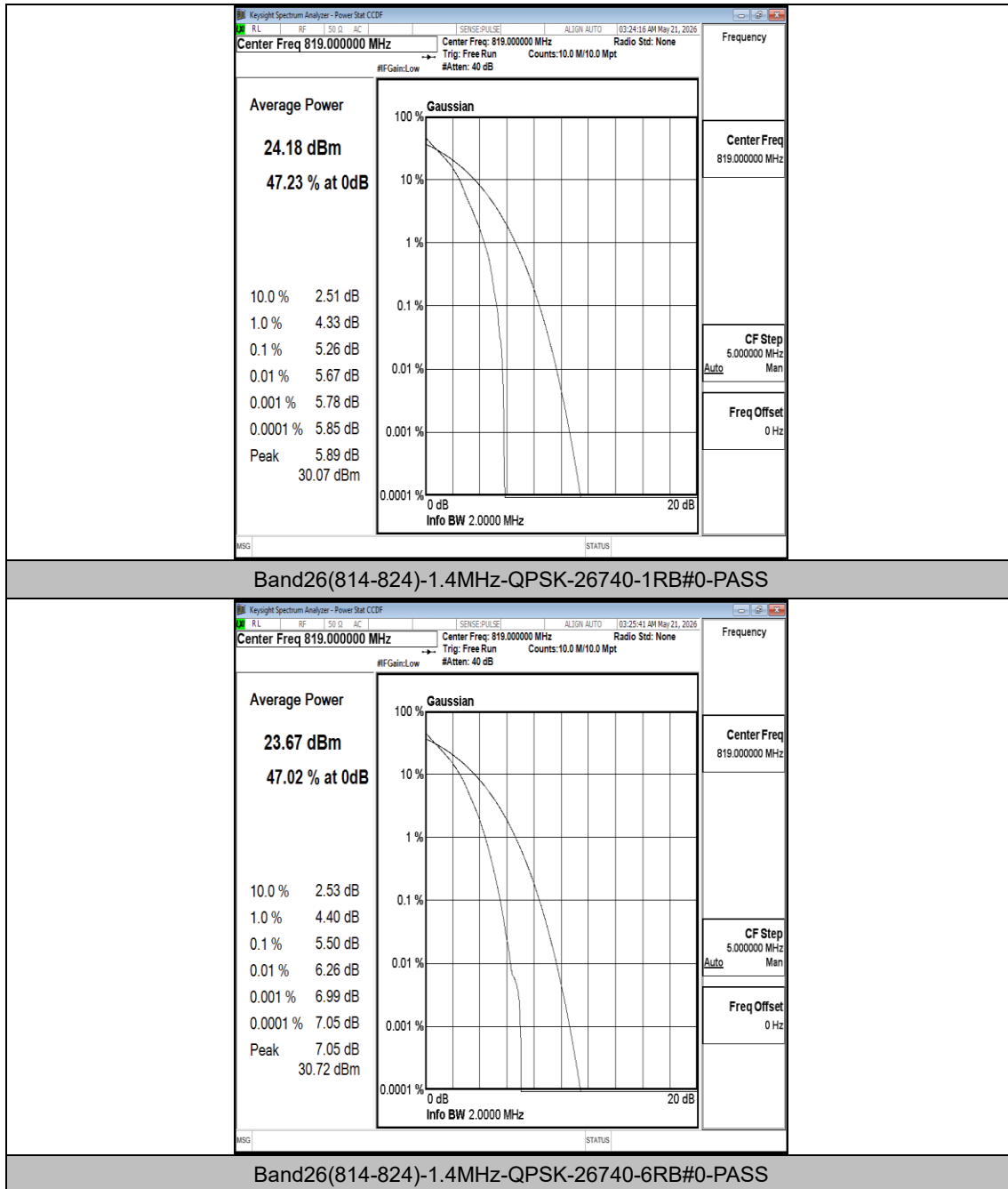
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	1RB#0	4.72	13	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	5.11	13	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#0	5.15	13	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	5.91	13	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#0	5.26	13	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	5.50	13	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#0	5.68	13	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	6.22	13	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#0	5.66	13	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	5.63	13	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#0	6.11	13	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	6.27	13	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#0	4.70	13	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	5.35	13	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#0	5.47	13	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	6.21	13	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#0	5.03	13	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	5.61	13	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#0	5.79	13	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	6.39	13	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#0	5.56	13	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	5.68	13	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#0	6.41	13	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	6.44	13	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#0	4.87	13	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	5.46	13	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#0	5.51	13	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	6.10	13	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#0	4.99	13	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	5.58	13	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#0	5.64	13	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	6.27	13	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#0	5.62	13	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	5.67	13	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#0	6.07	13	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	6.35	13	PASS

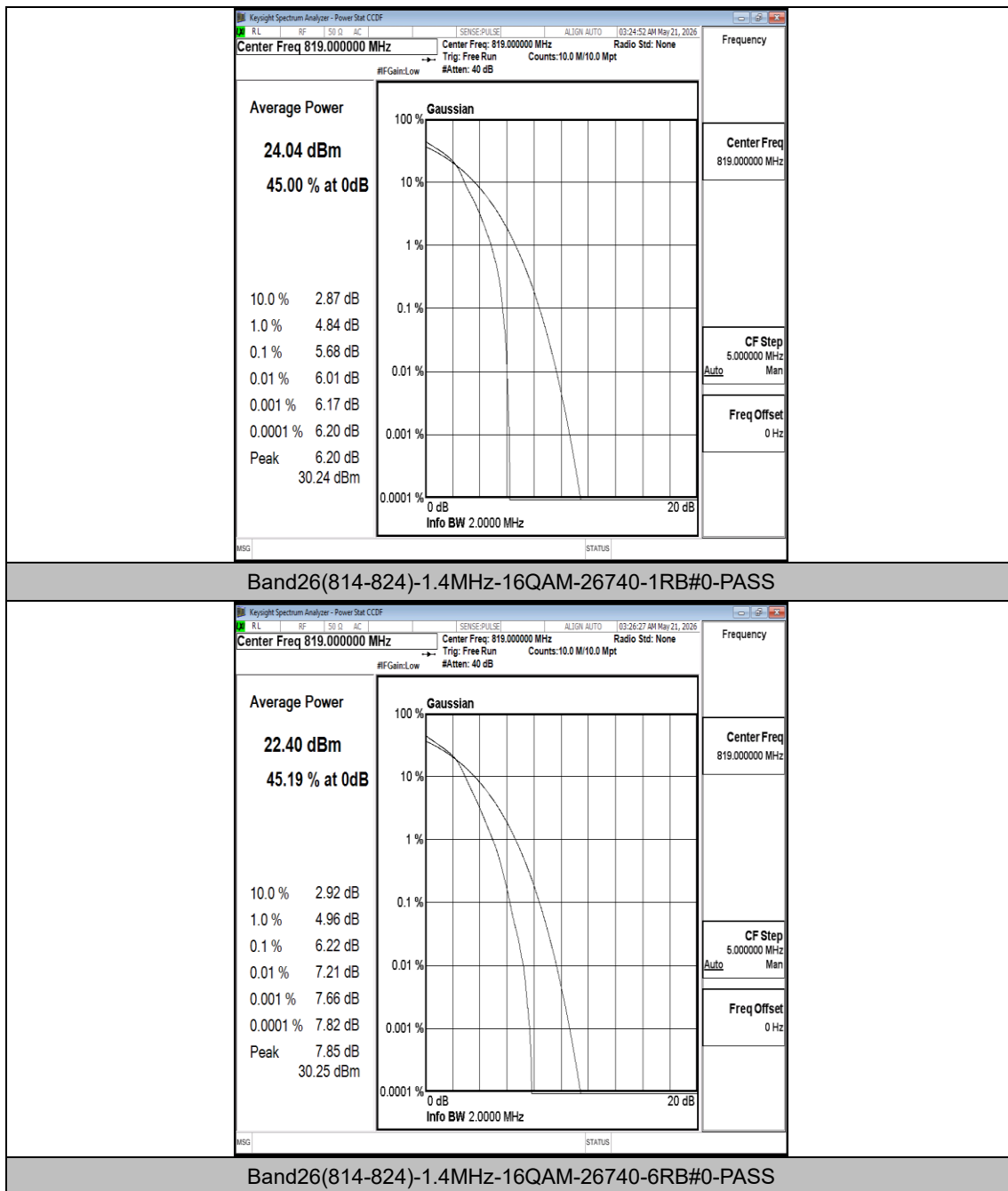
Band26(814-824)	10MHz	QPSK	26740	1RB#0	4.50	13	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	5.60	13	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#0	5.08	13	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	6.36	13	PASS

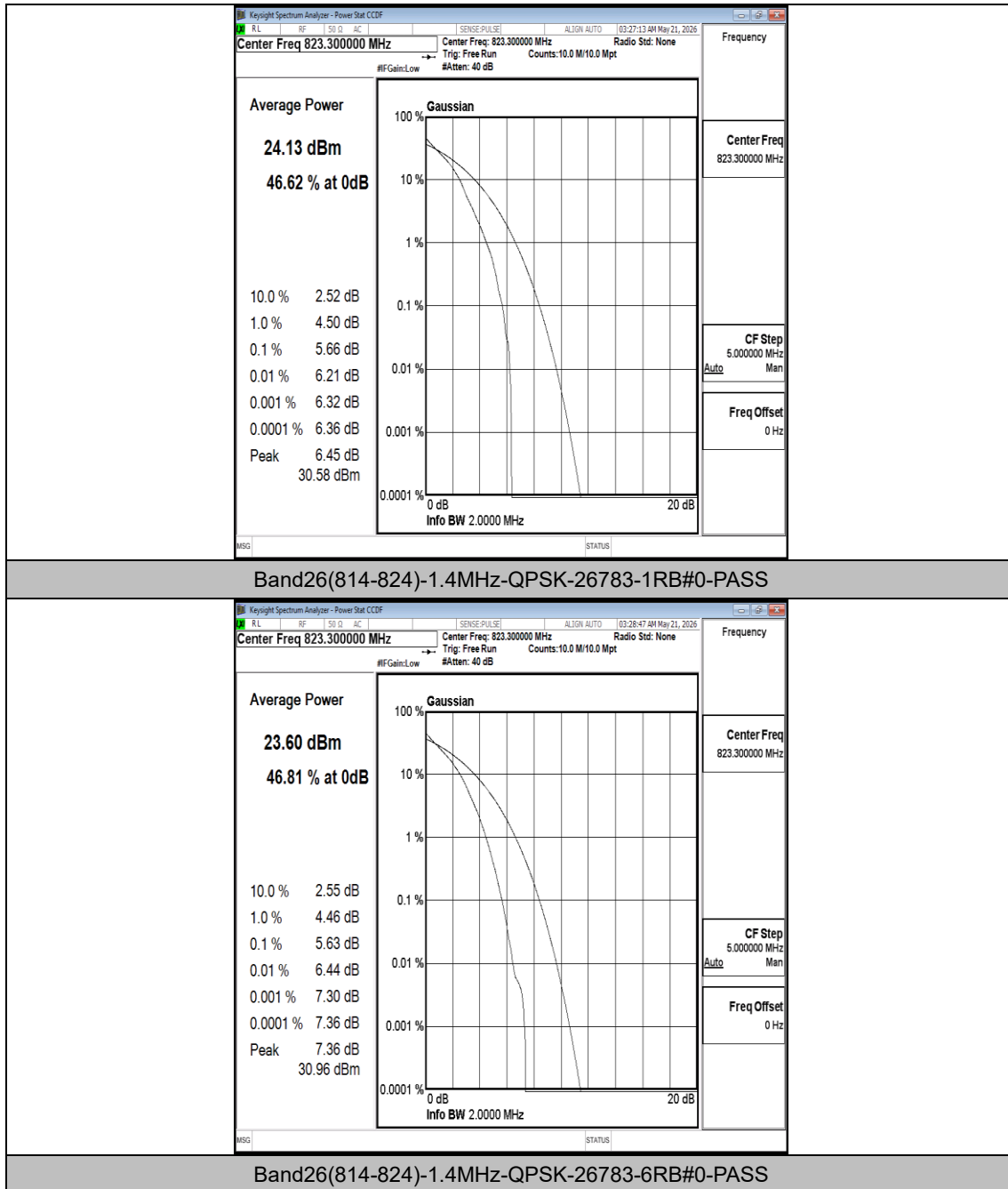
Test Graphs

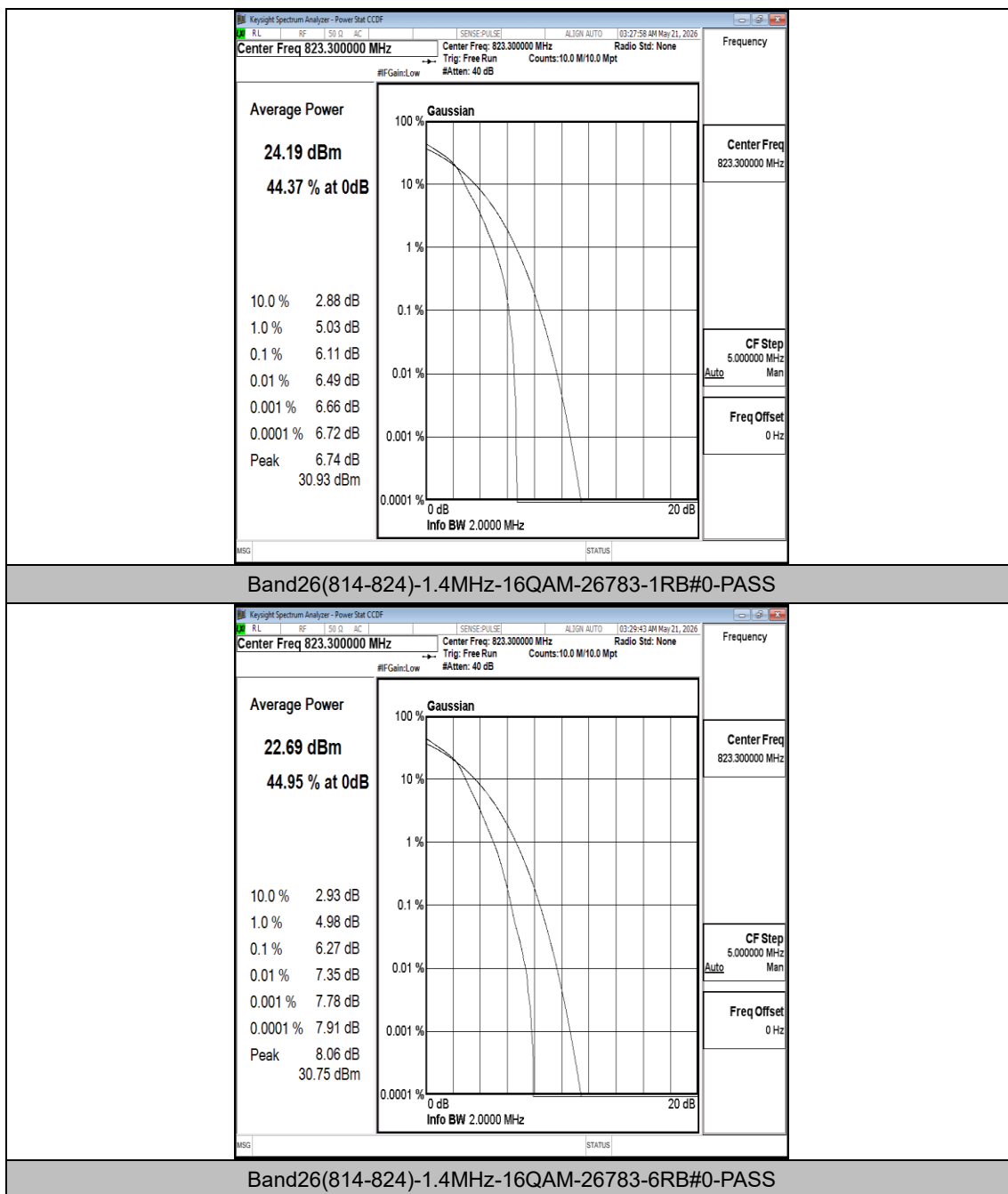


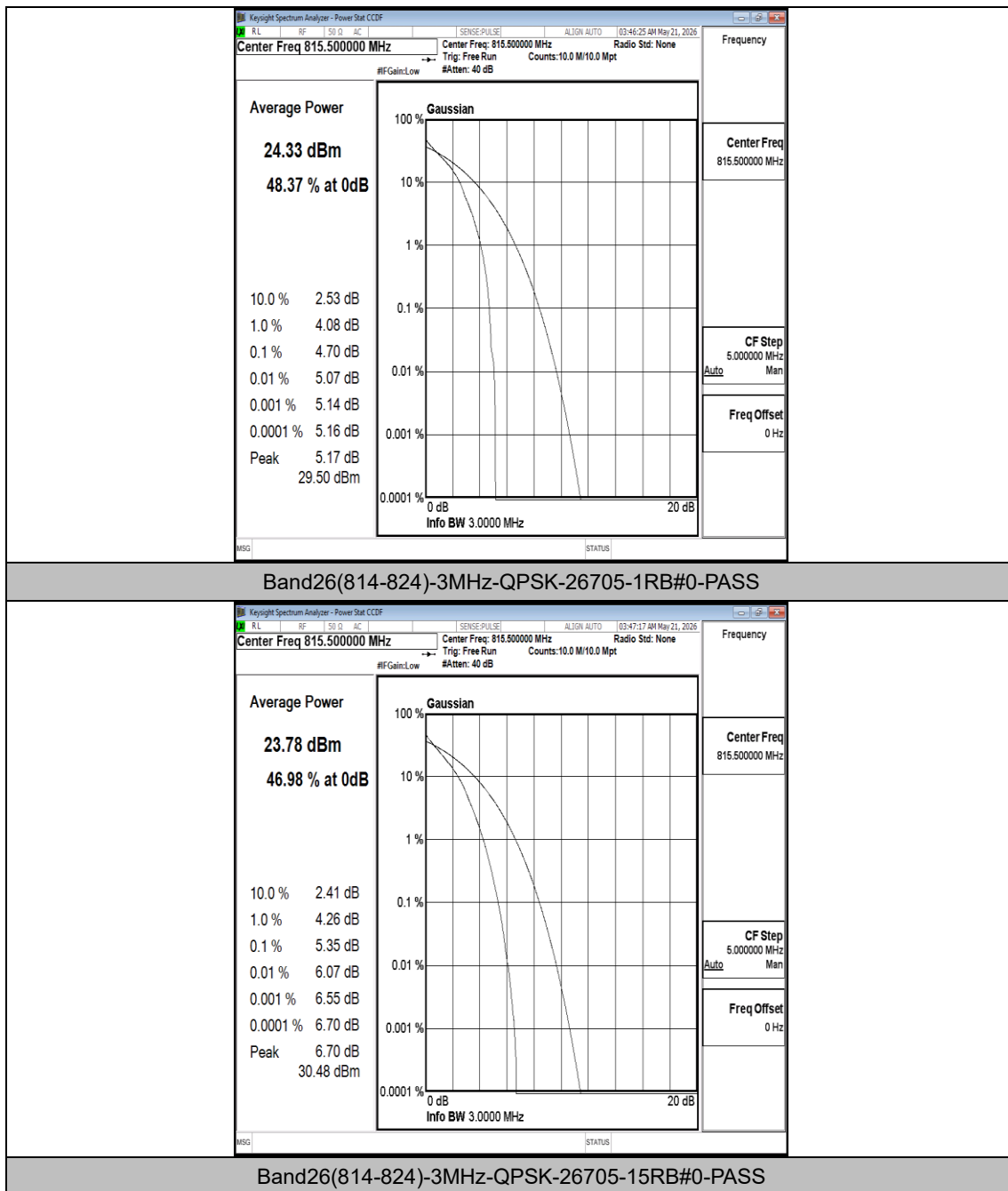


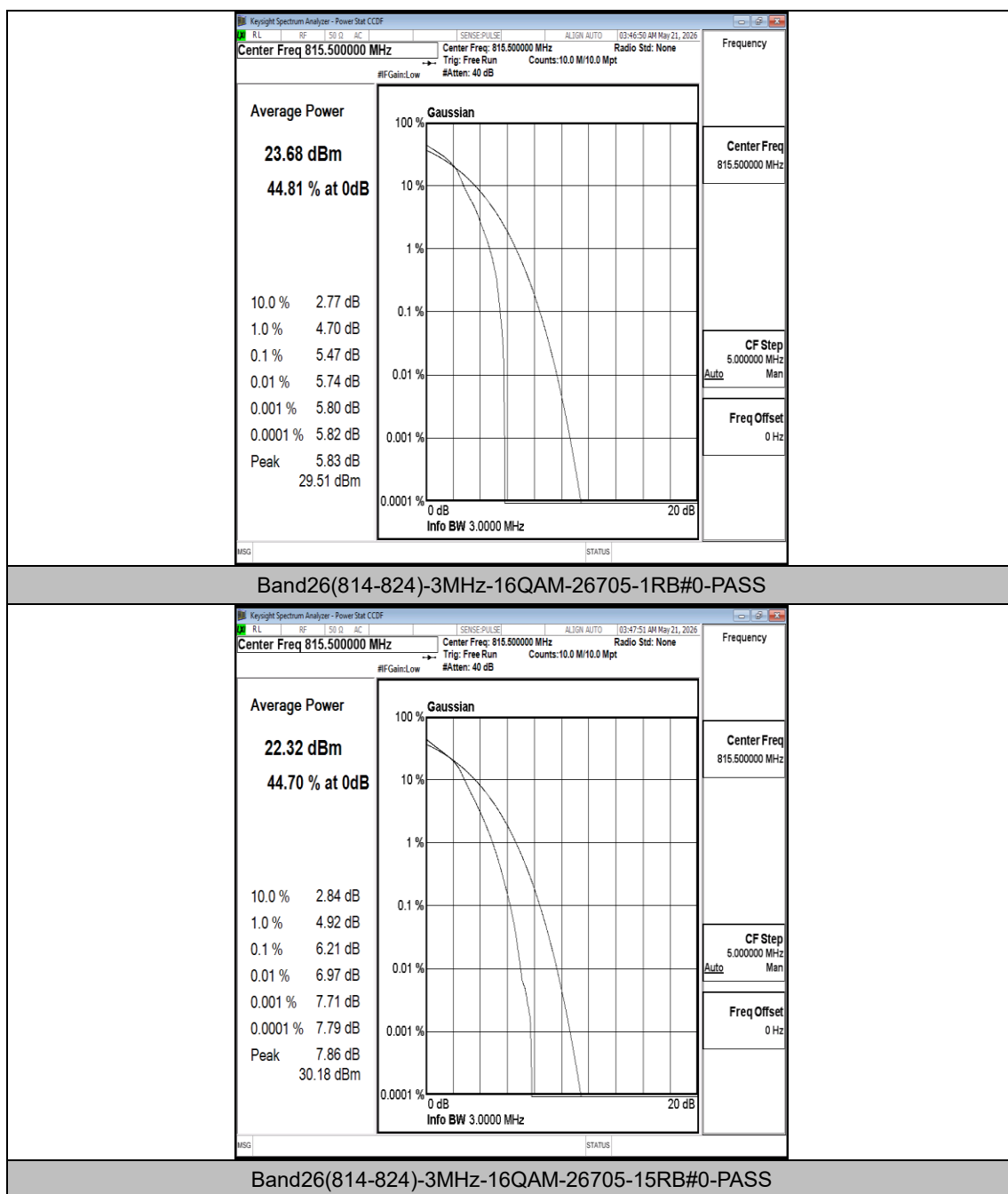


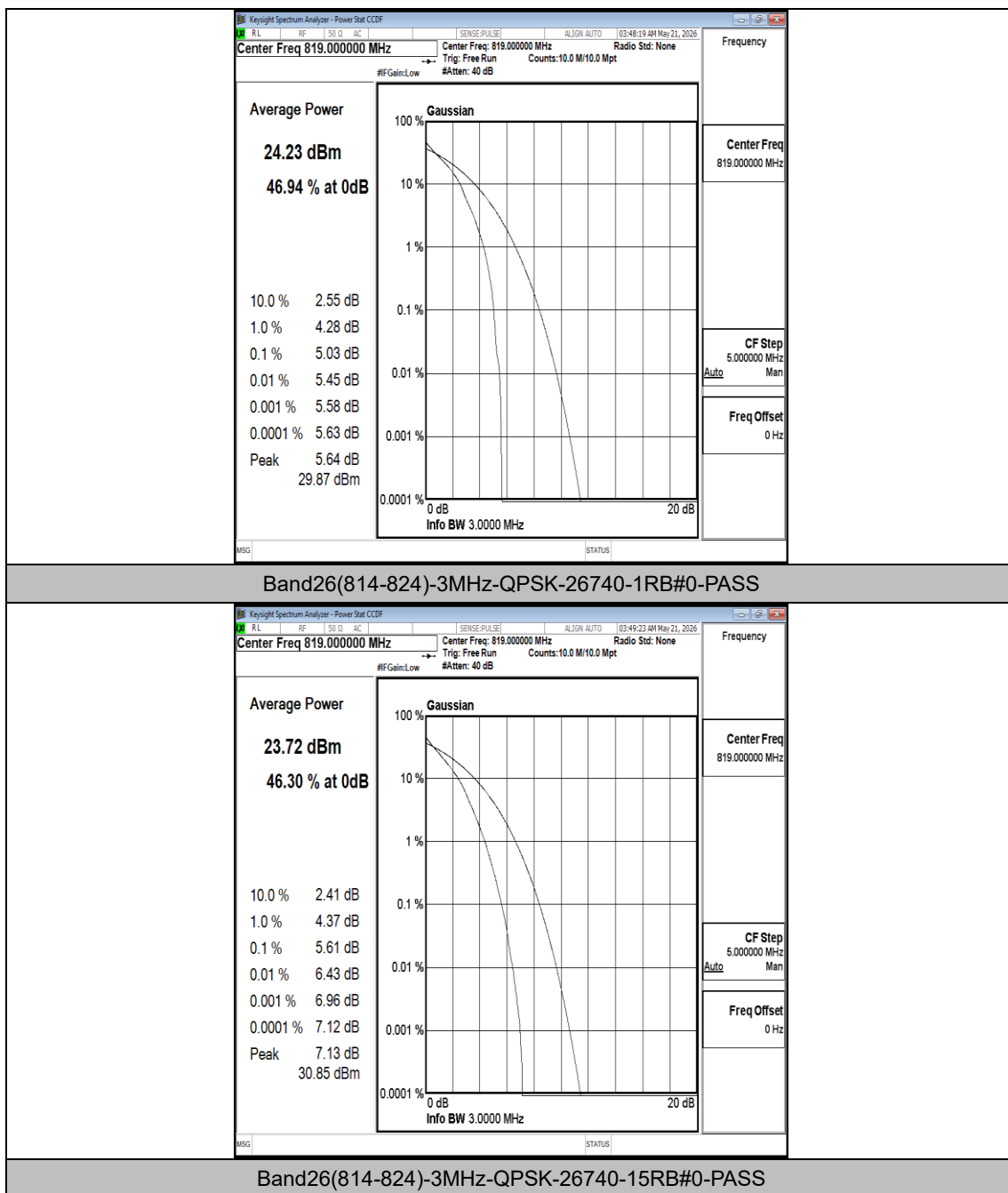


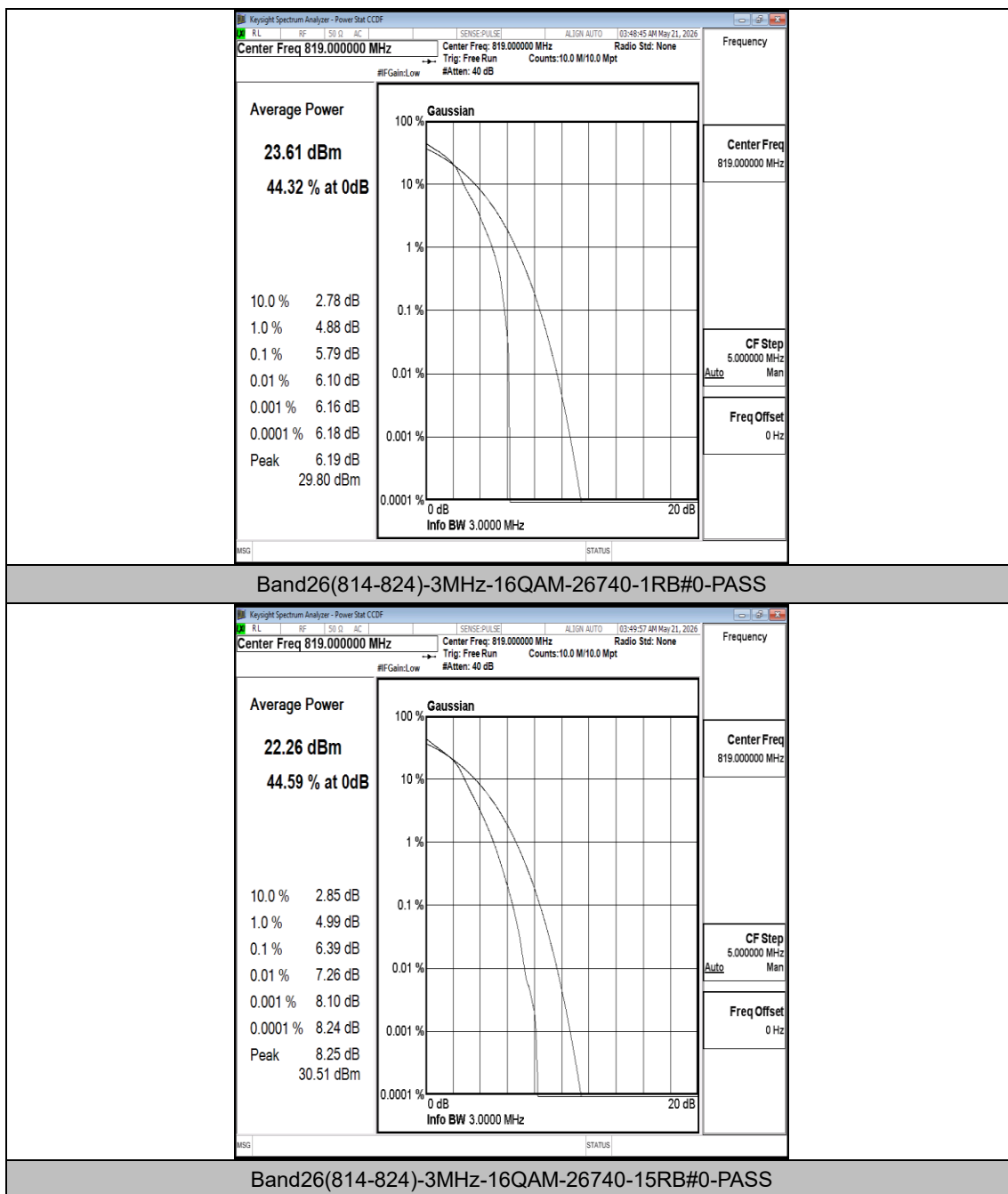


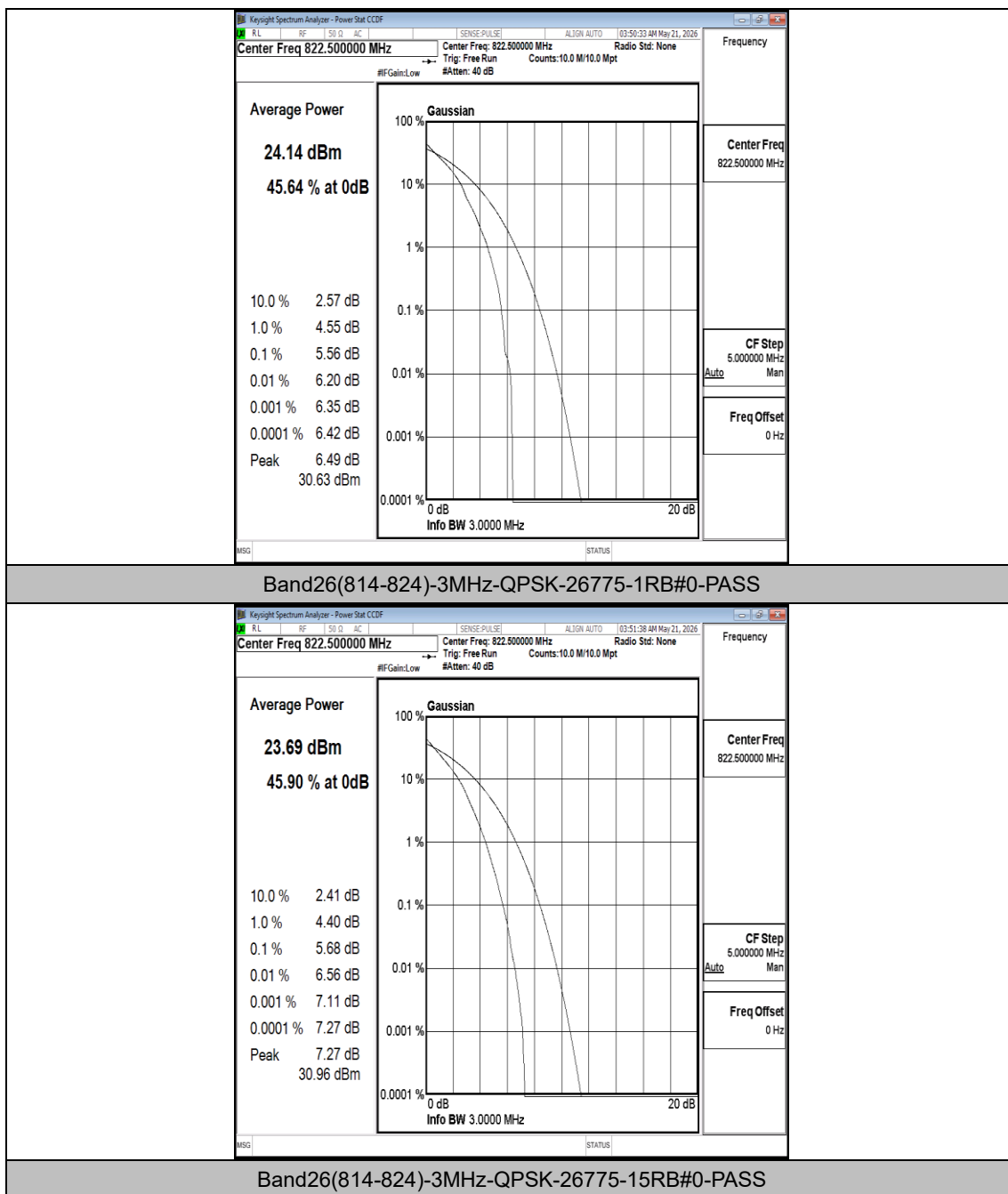


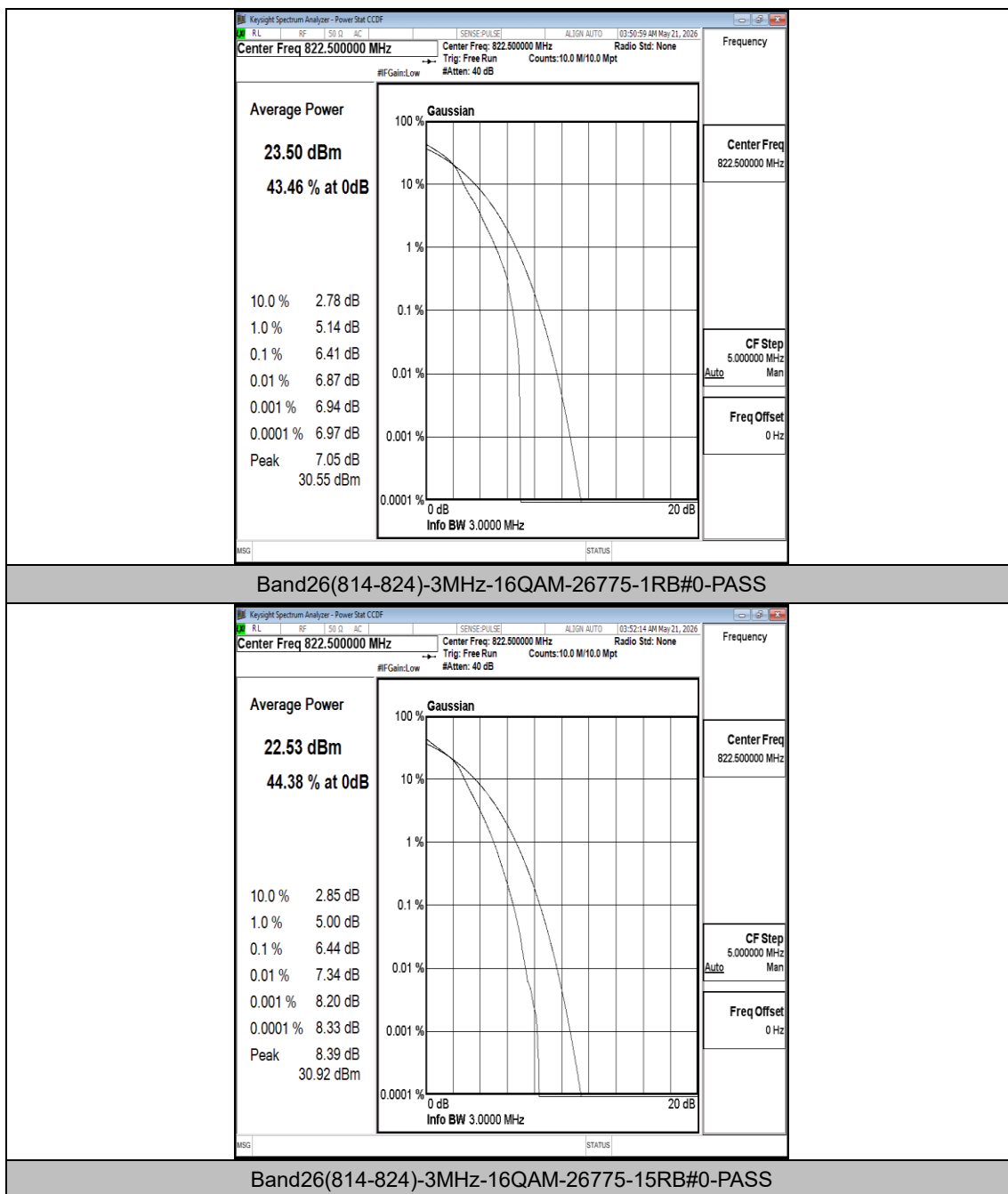


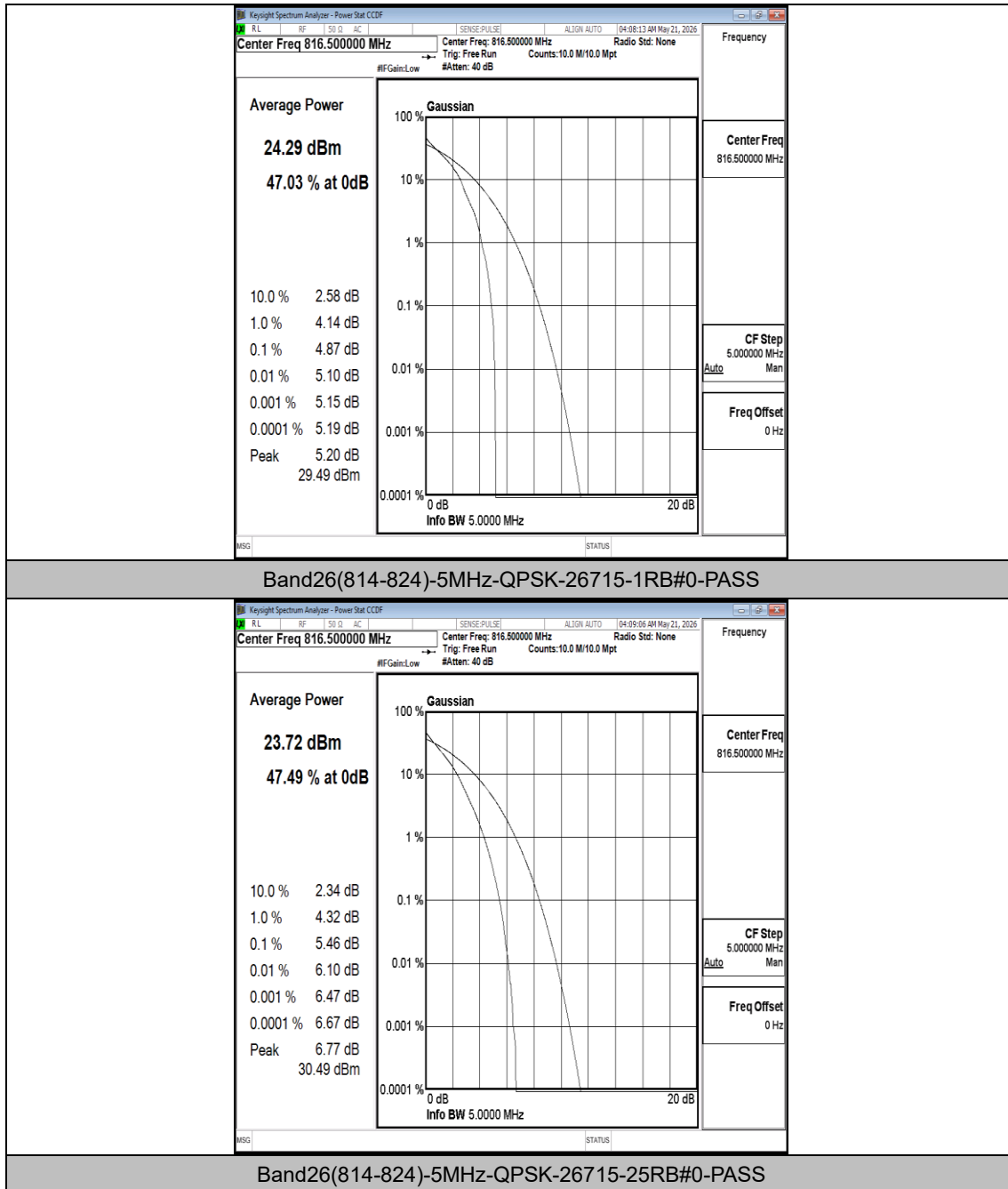


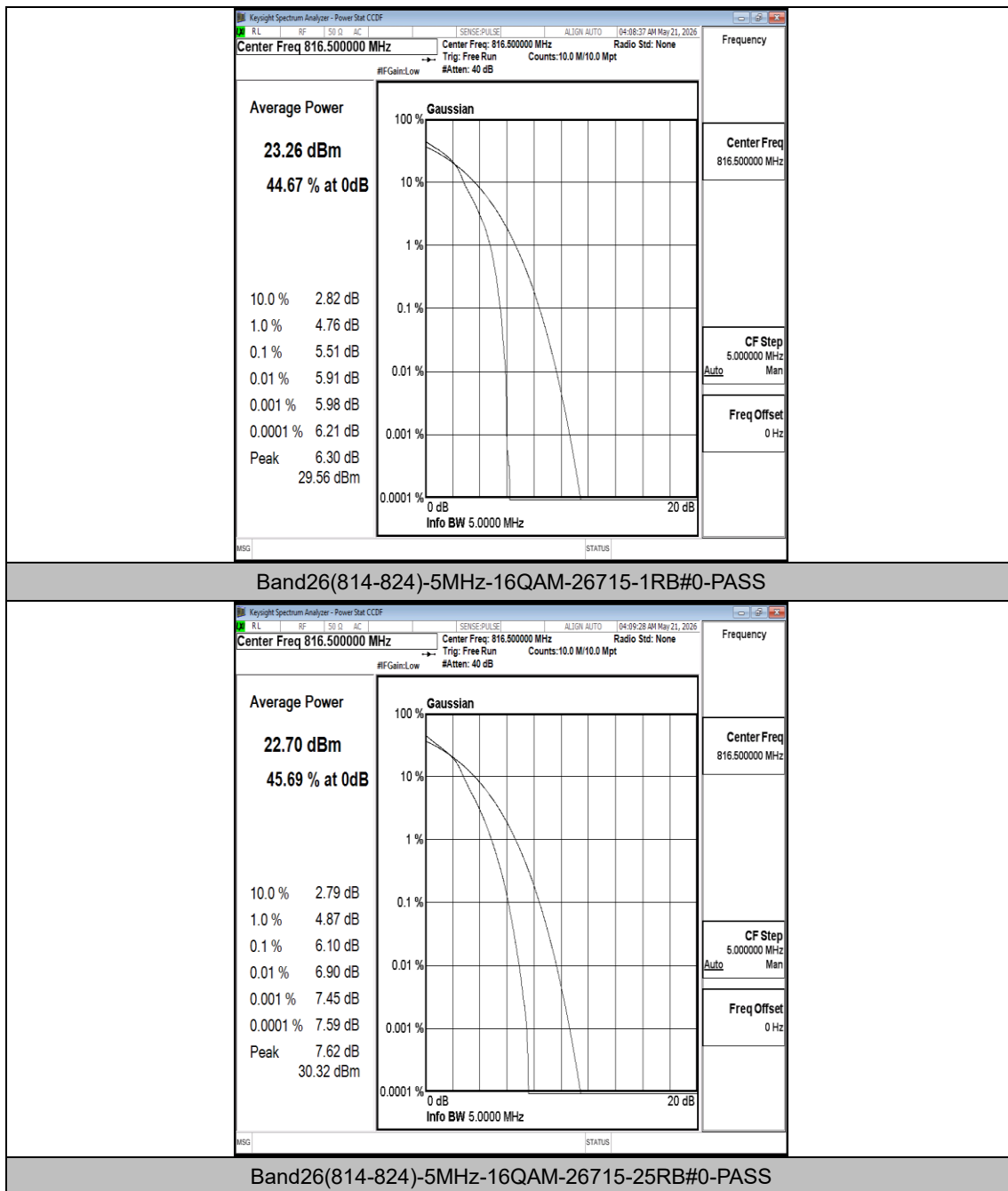


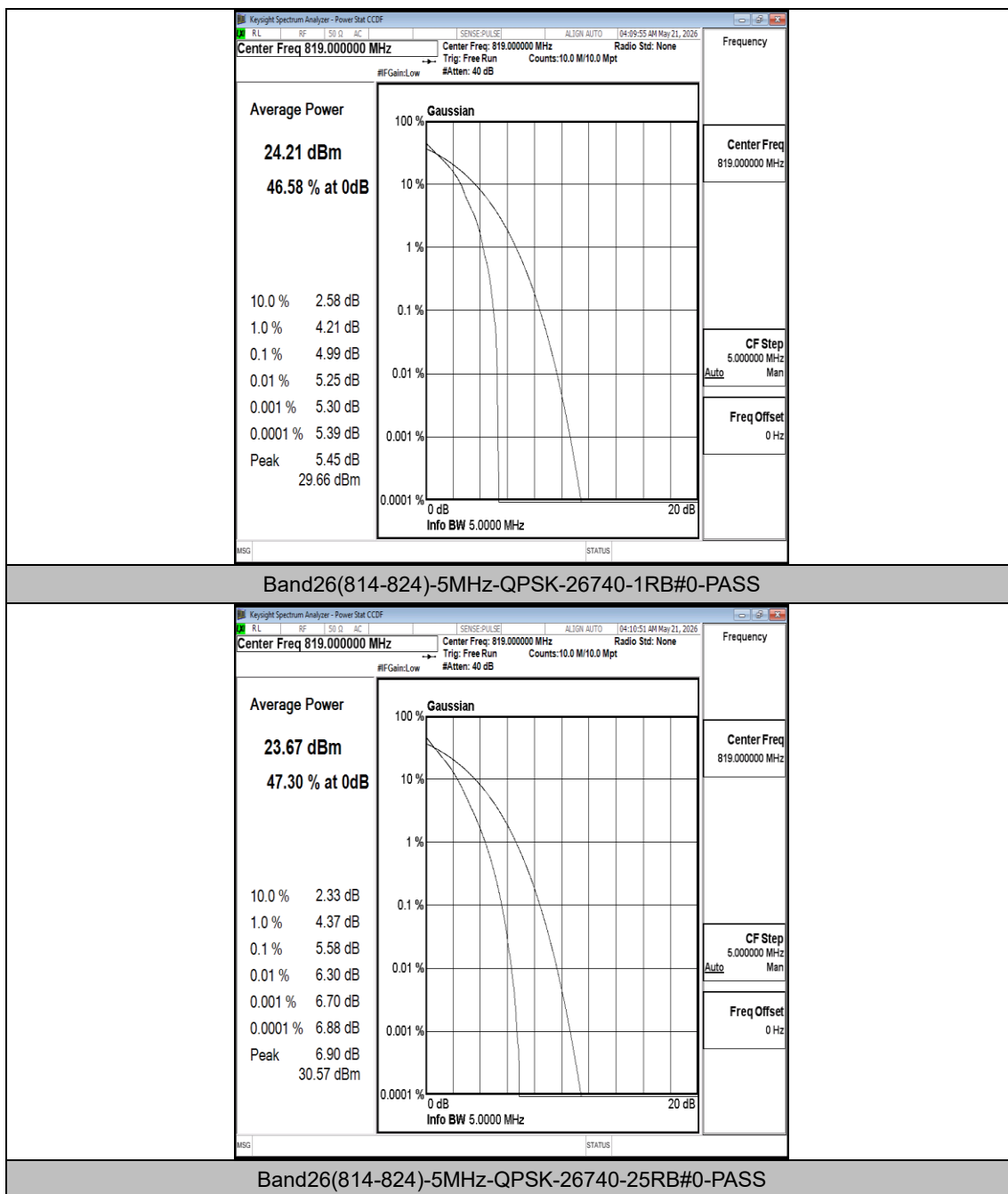


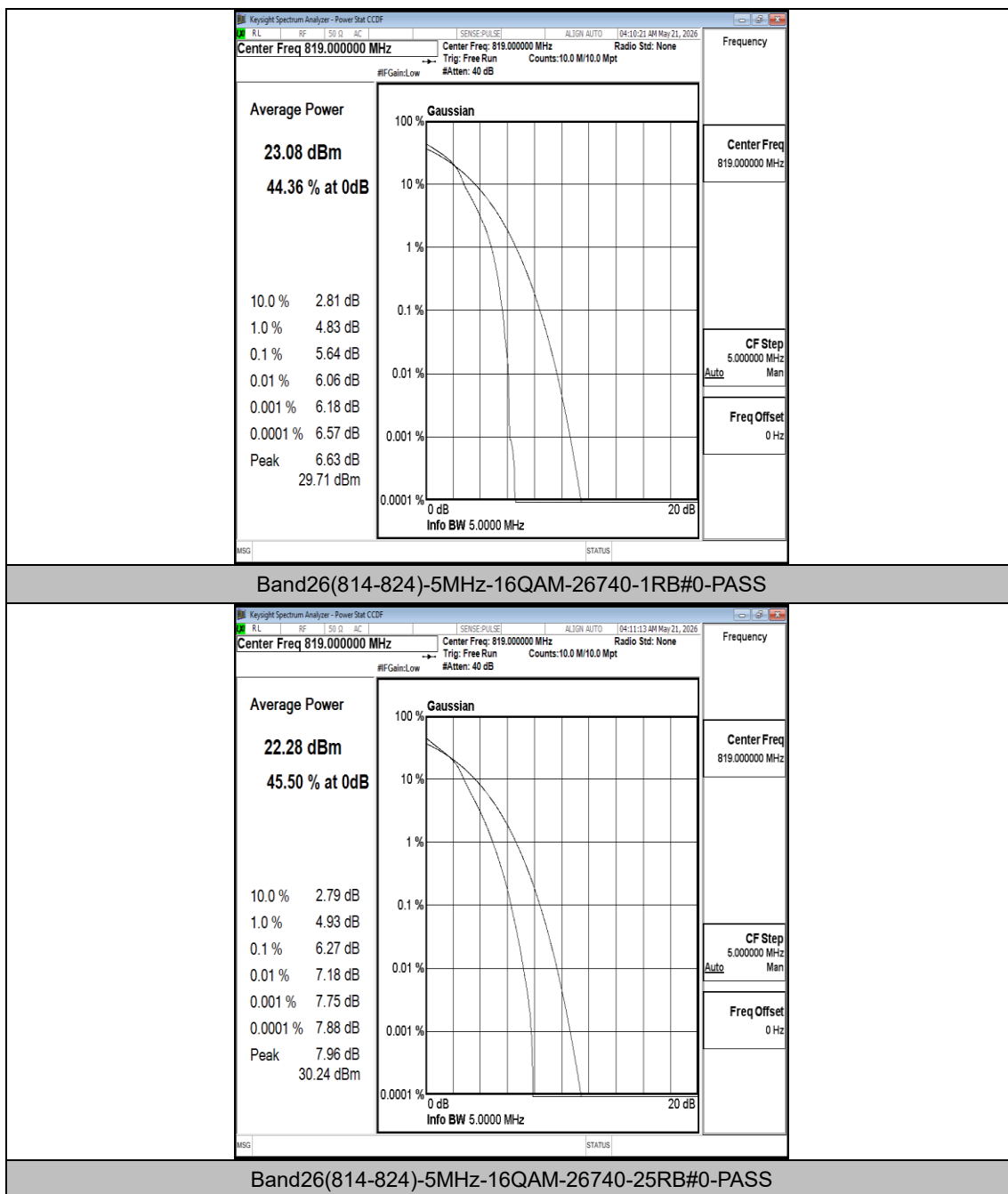


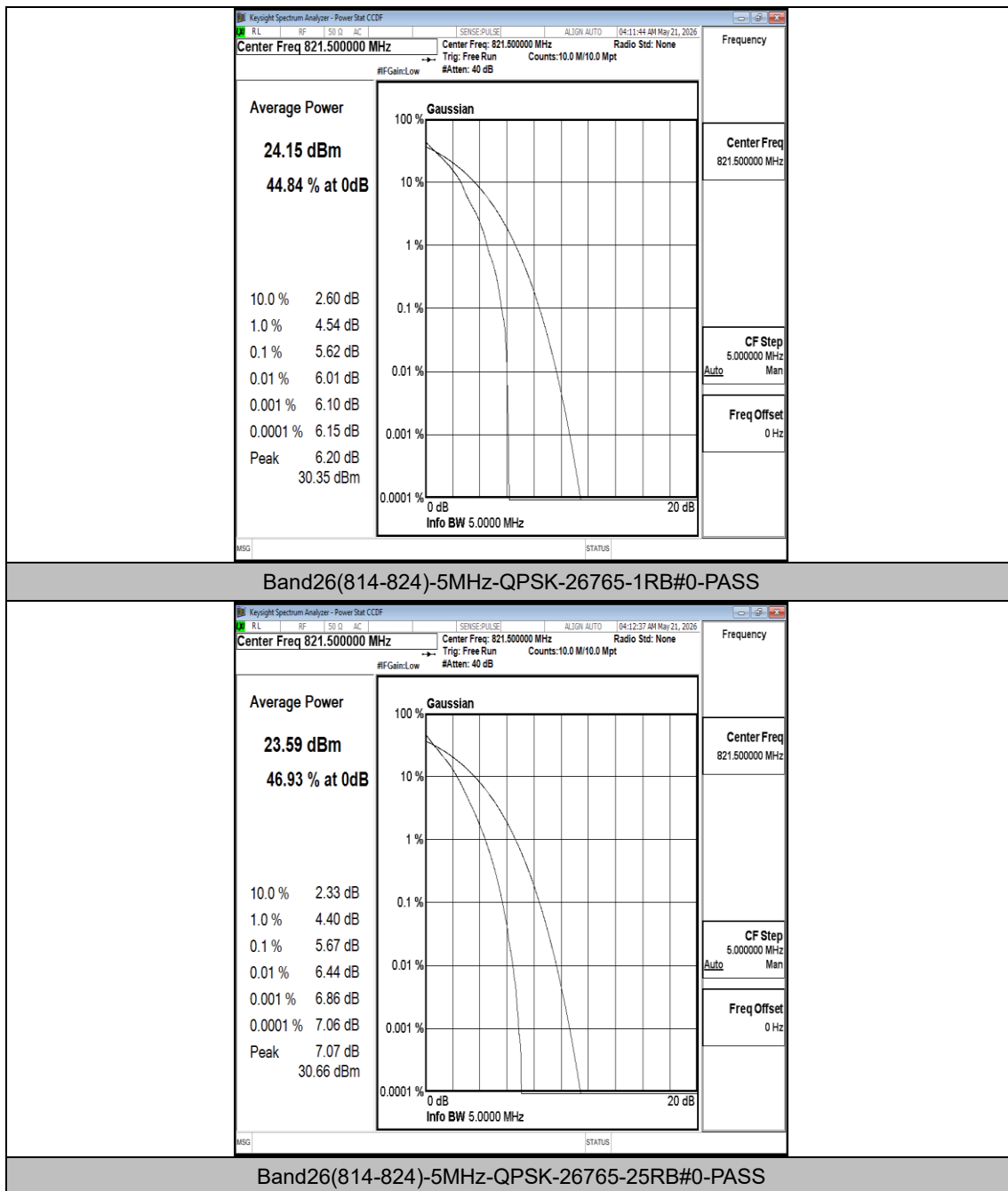


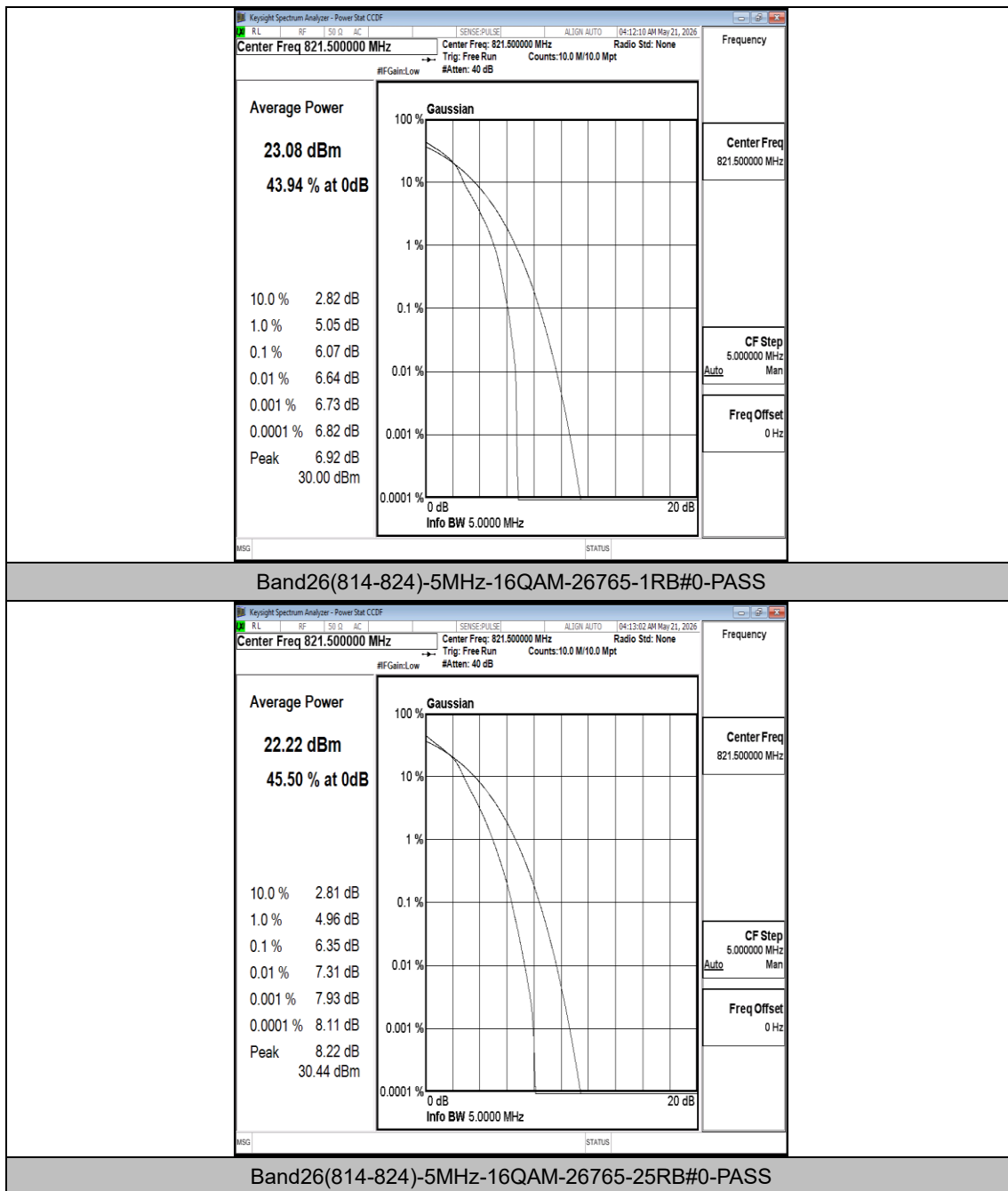


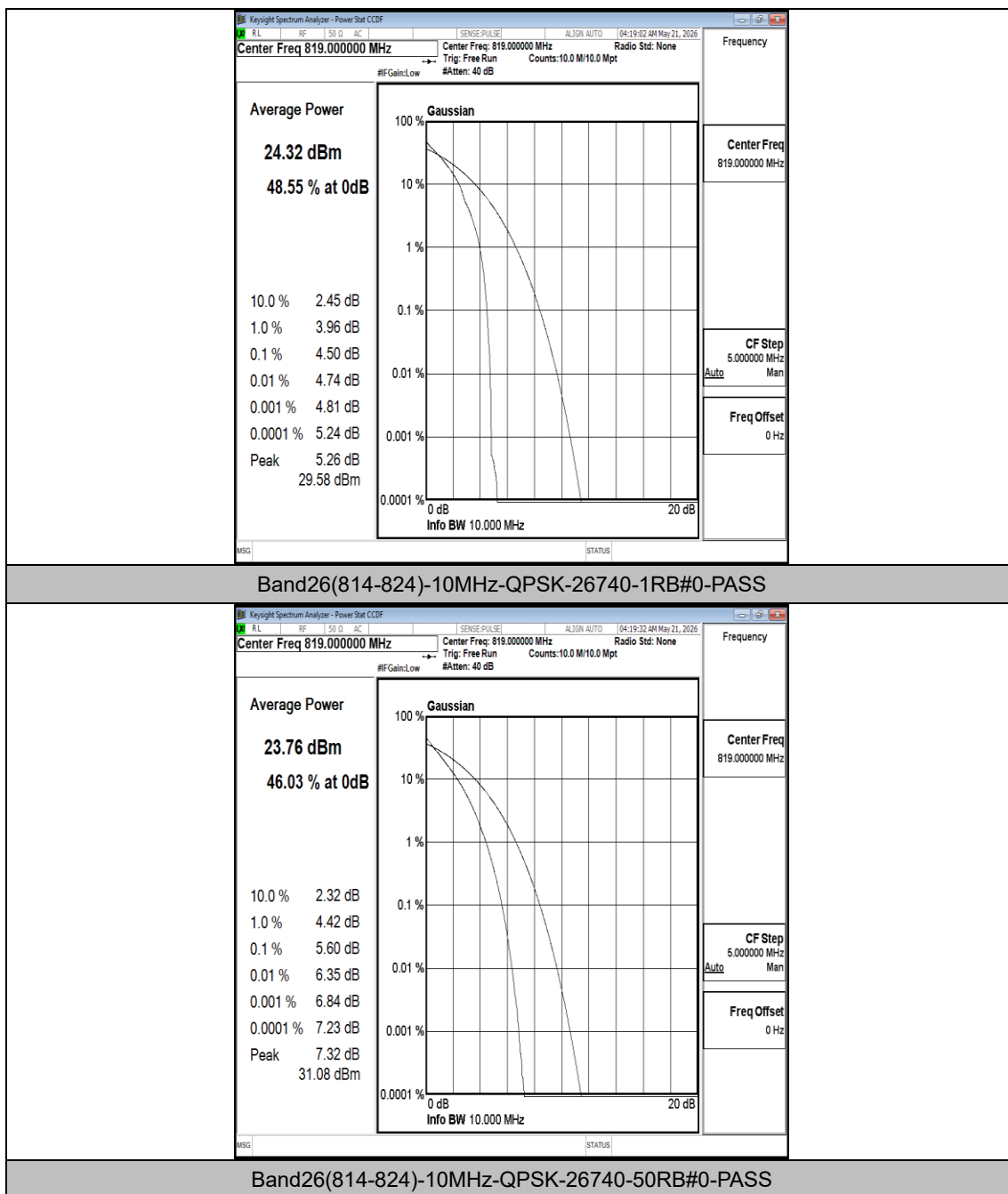


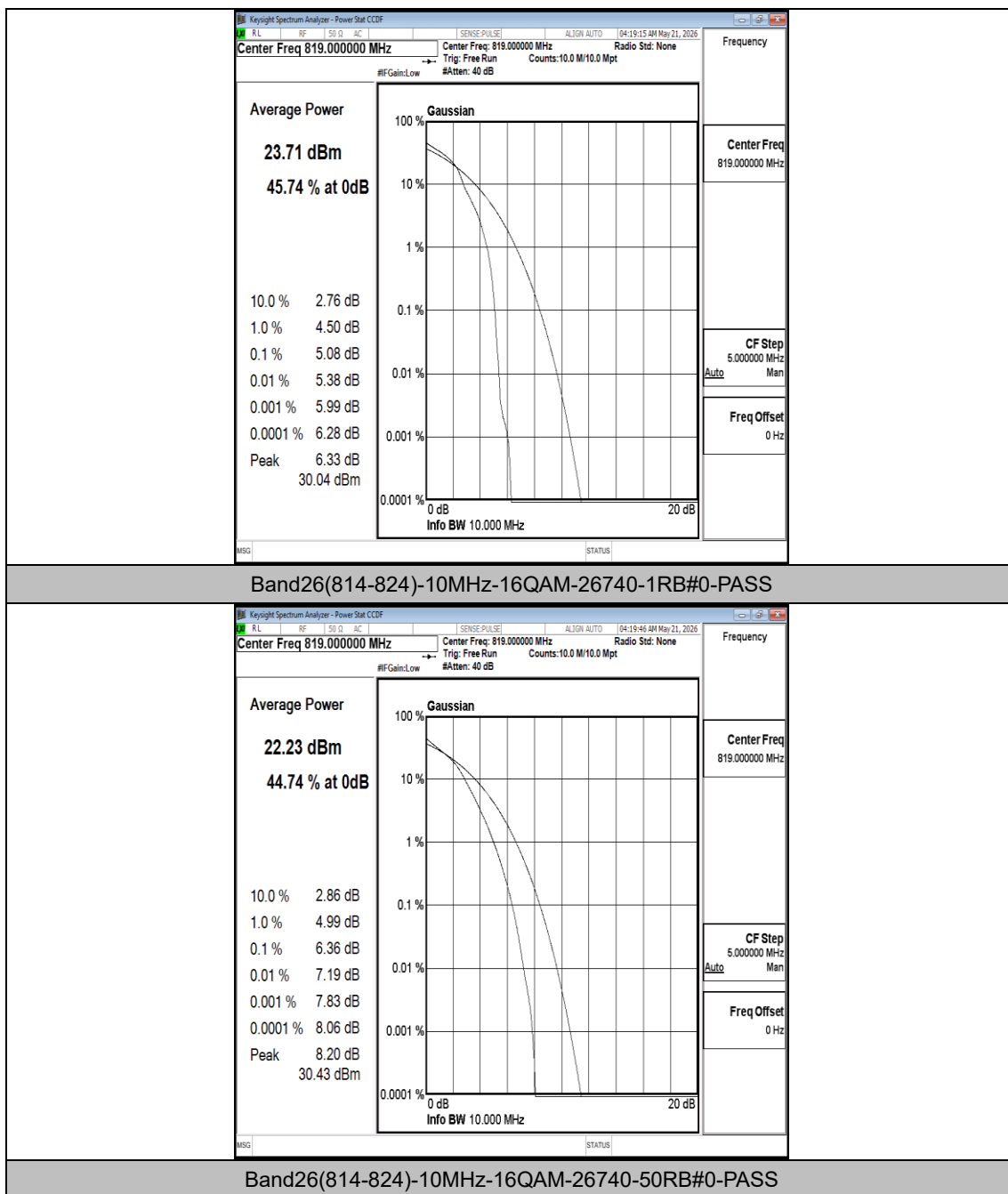










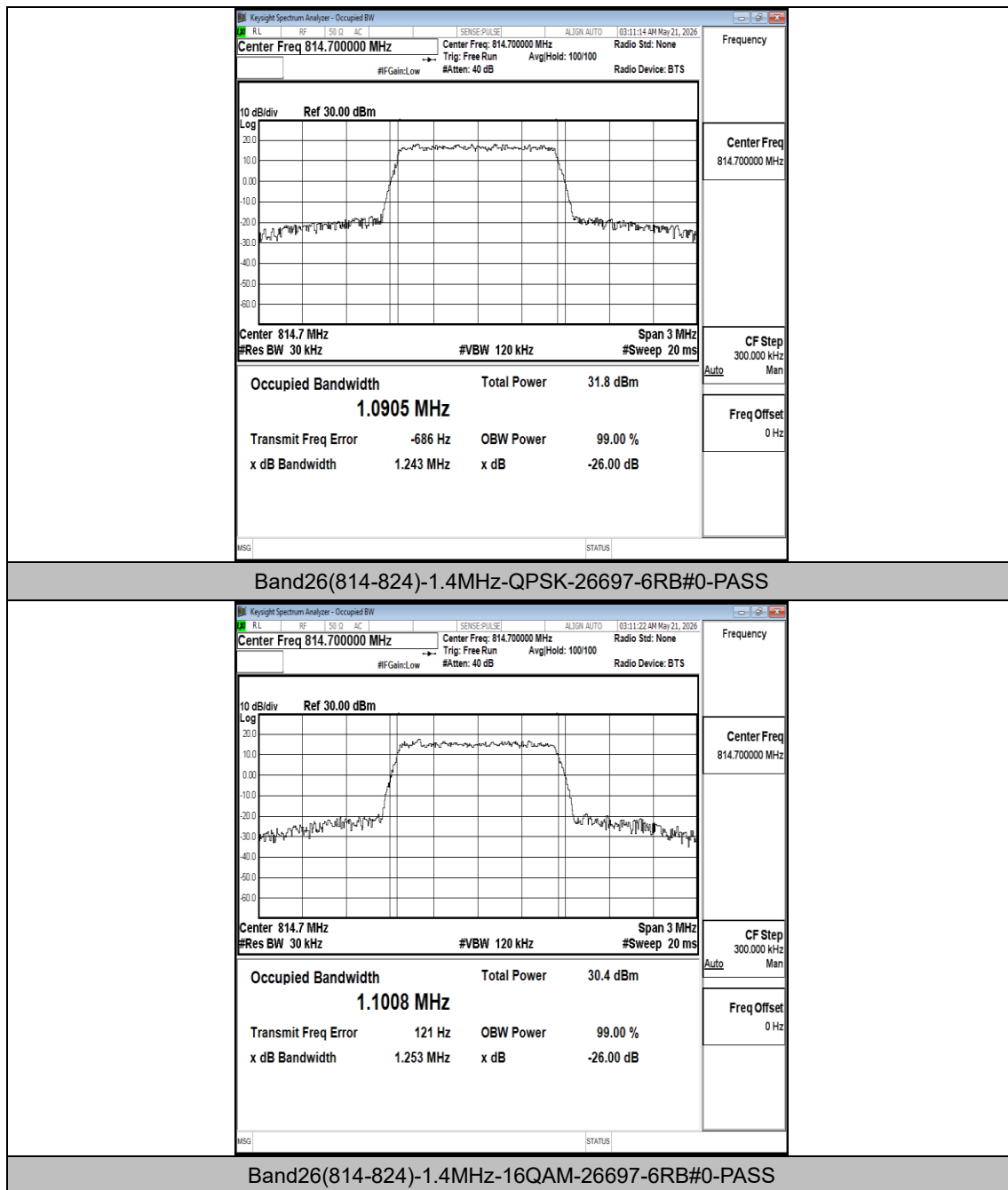


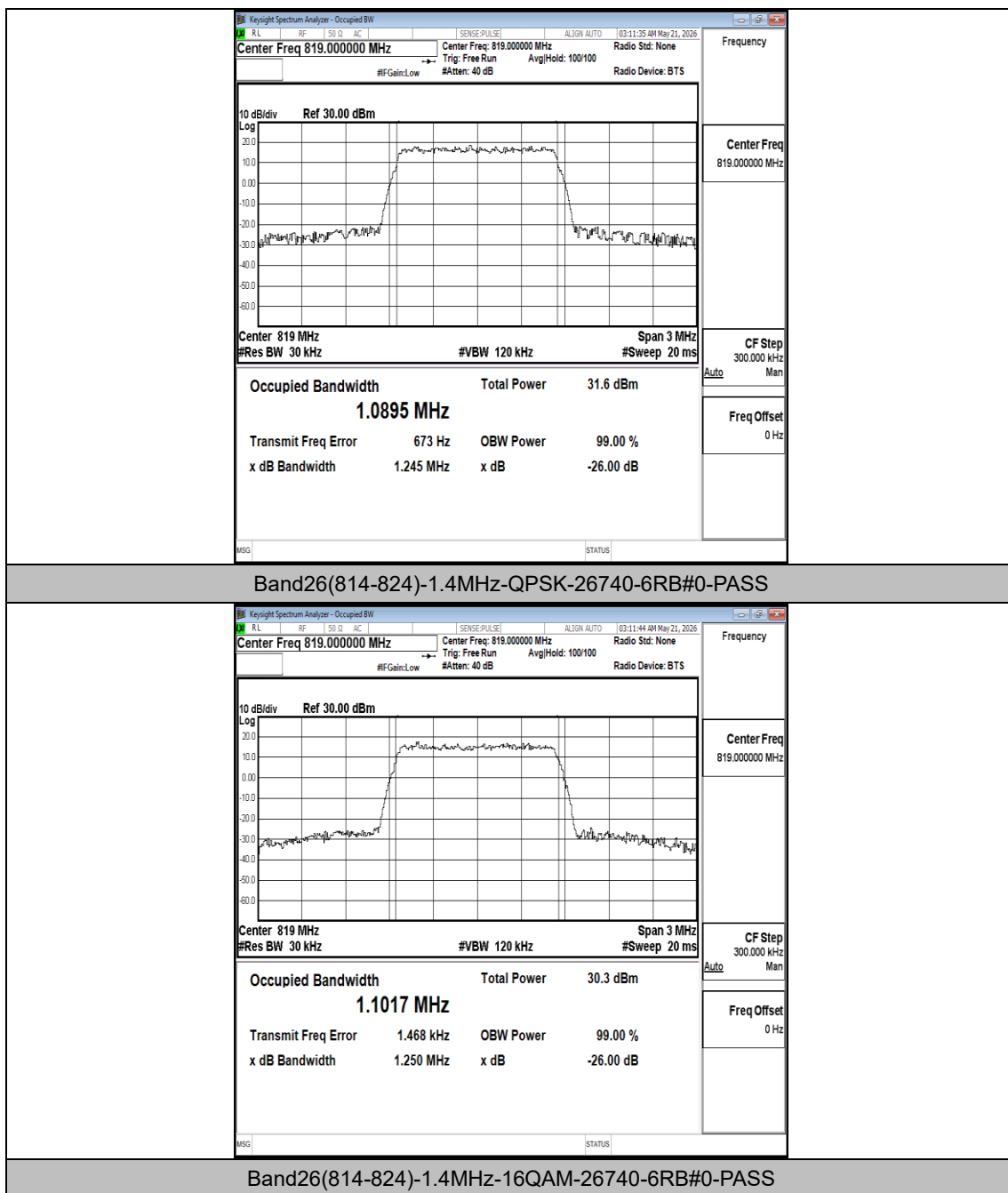
N.3 26dB Bandwidth and Occupied Bandwidth

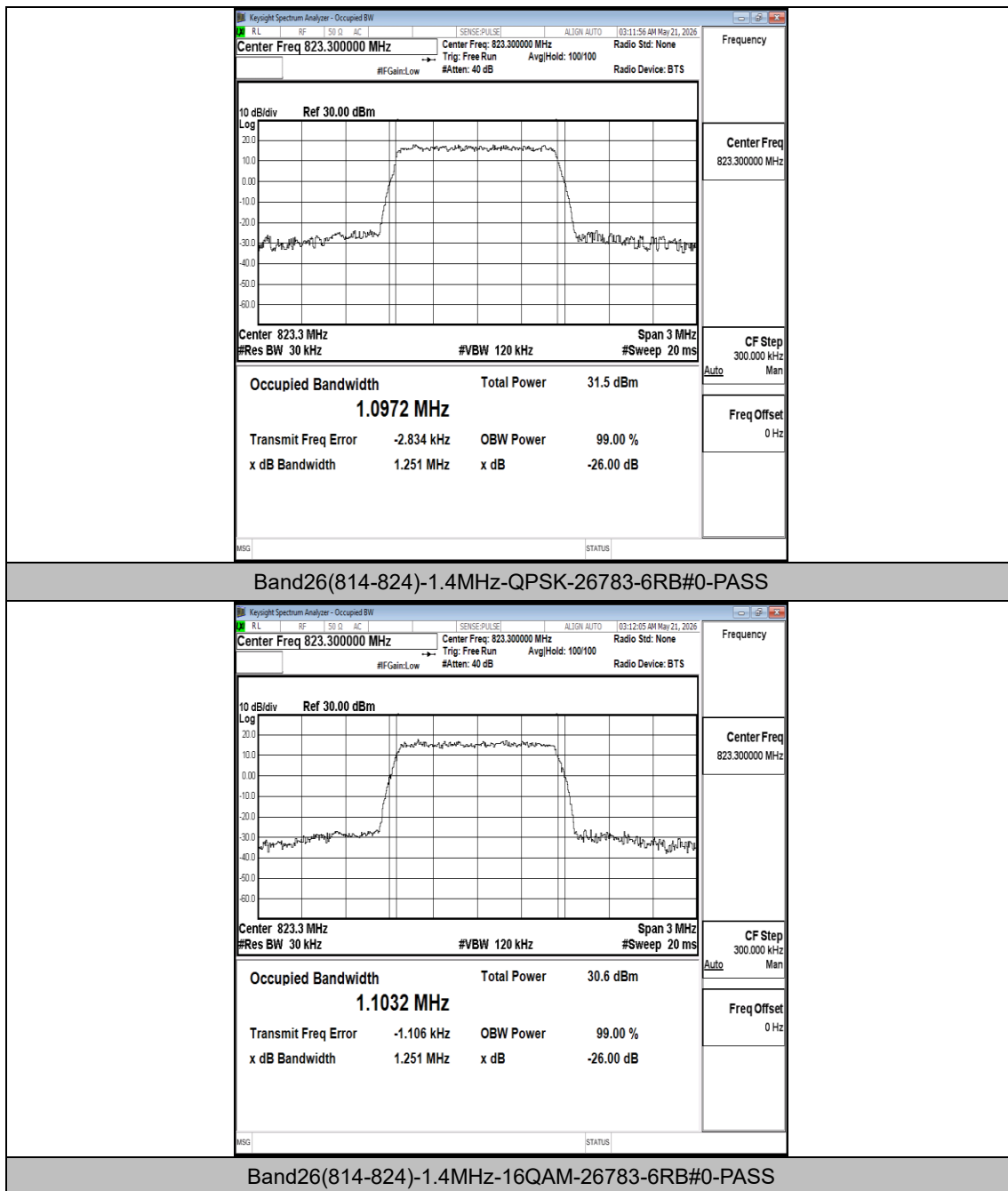
Test Result

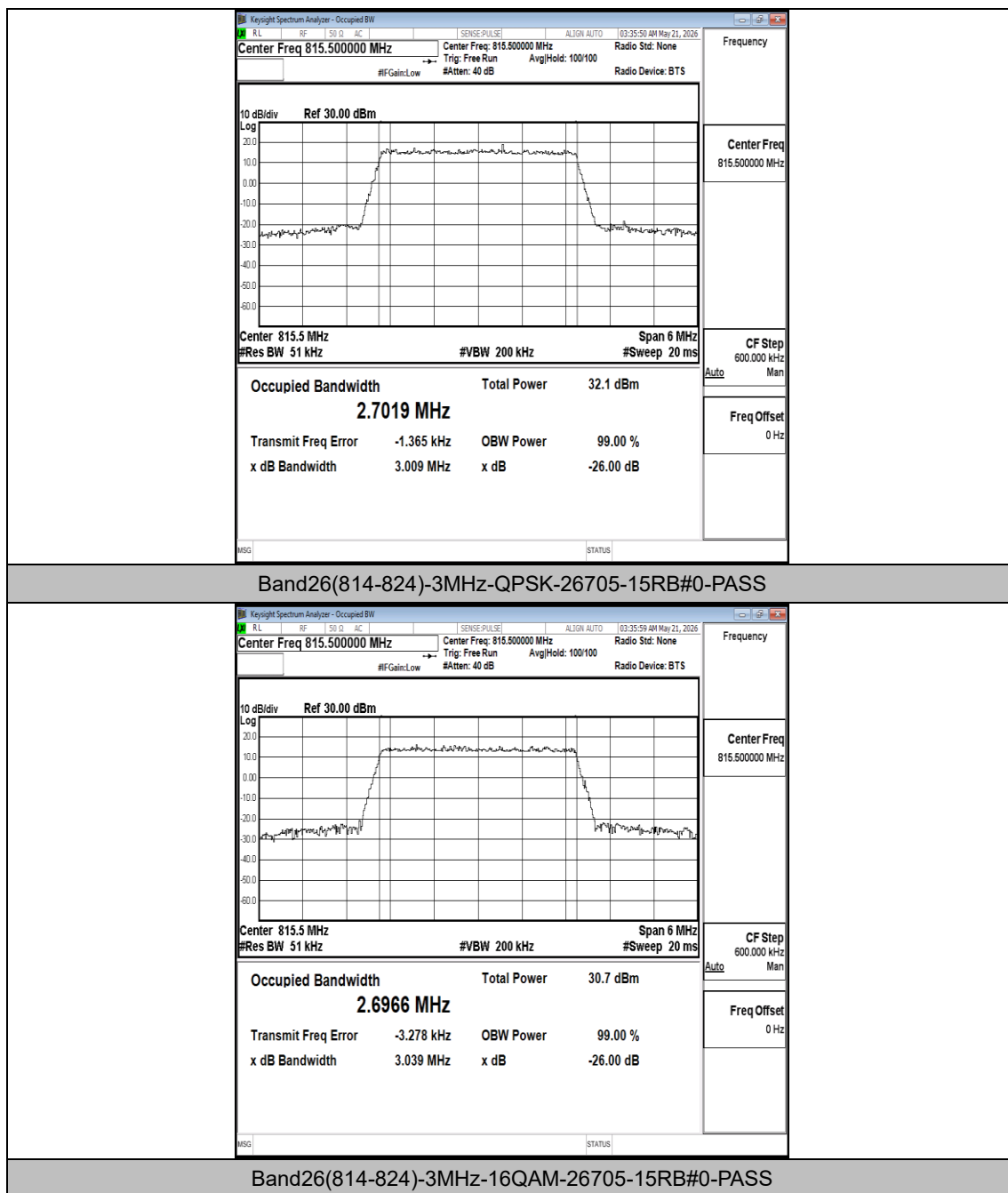
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0905	1.243	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.1008	1.253	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0895	1.245	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.1017	1.250	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0972	1.251	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.1032	1.251	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	2.7019	3.009	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	2.6966	3.039	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	2.7204	3.006	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	2.7098	3.028	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	2.7113	3.017	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	2.7025	3.047	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	4.5146	4.985	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	4.5019	4.961	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	4.5130	4.974	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	4.5010	4.953	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	4.5109	4.978	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	4.5004	4.954	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	9.0196	9.921	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	8.9979	9.896	PASS

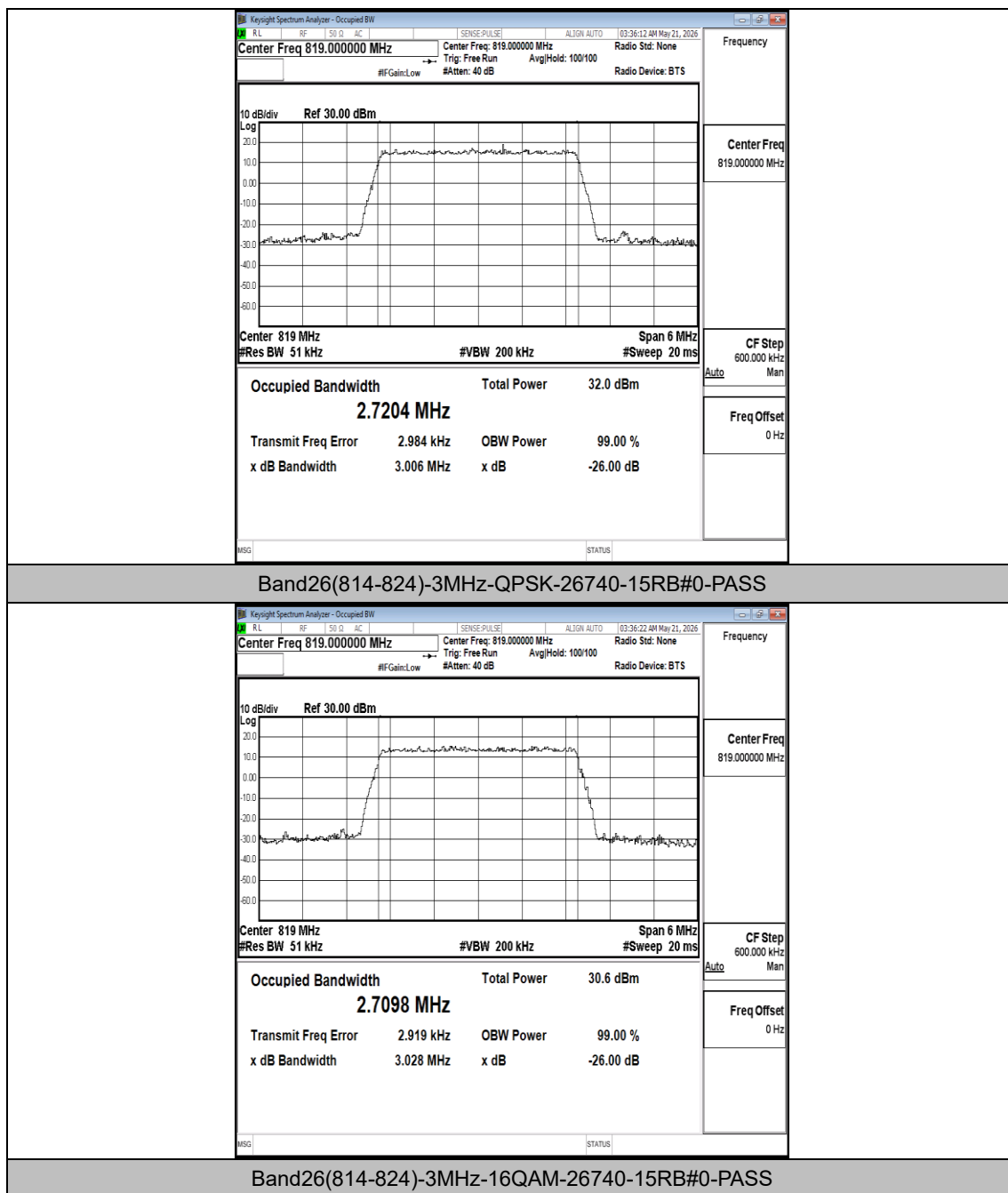
Test Graphs

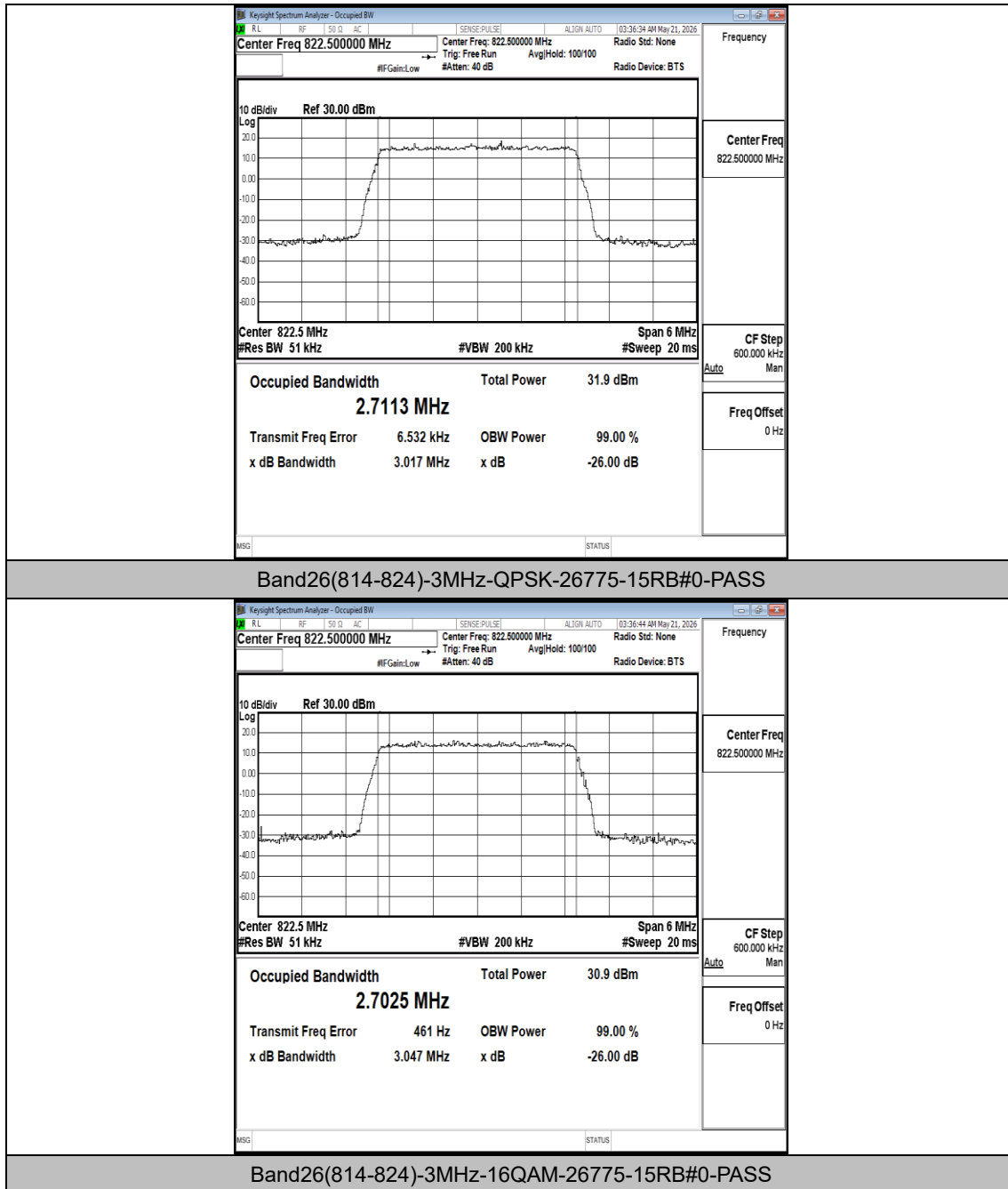


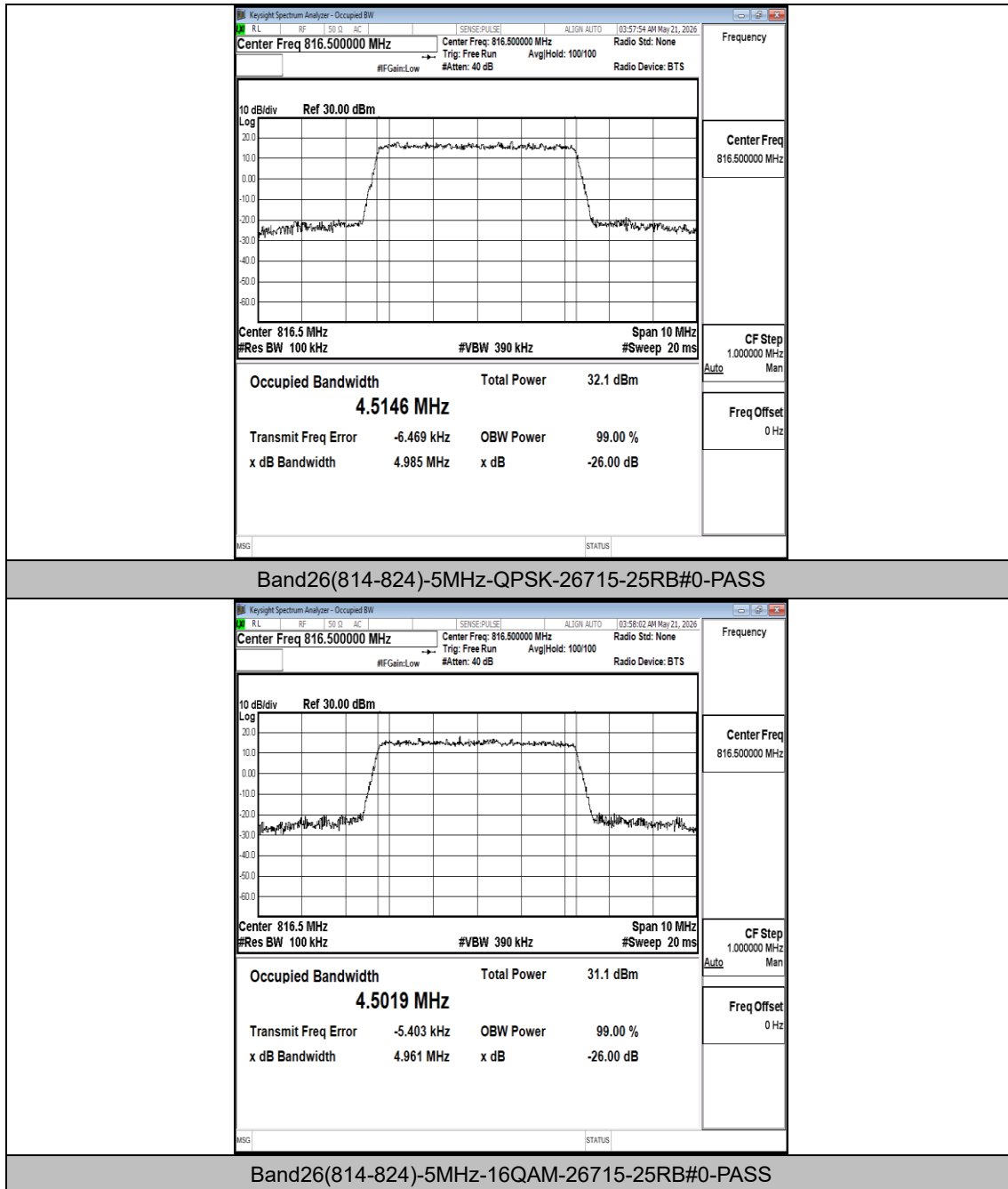


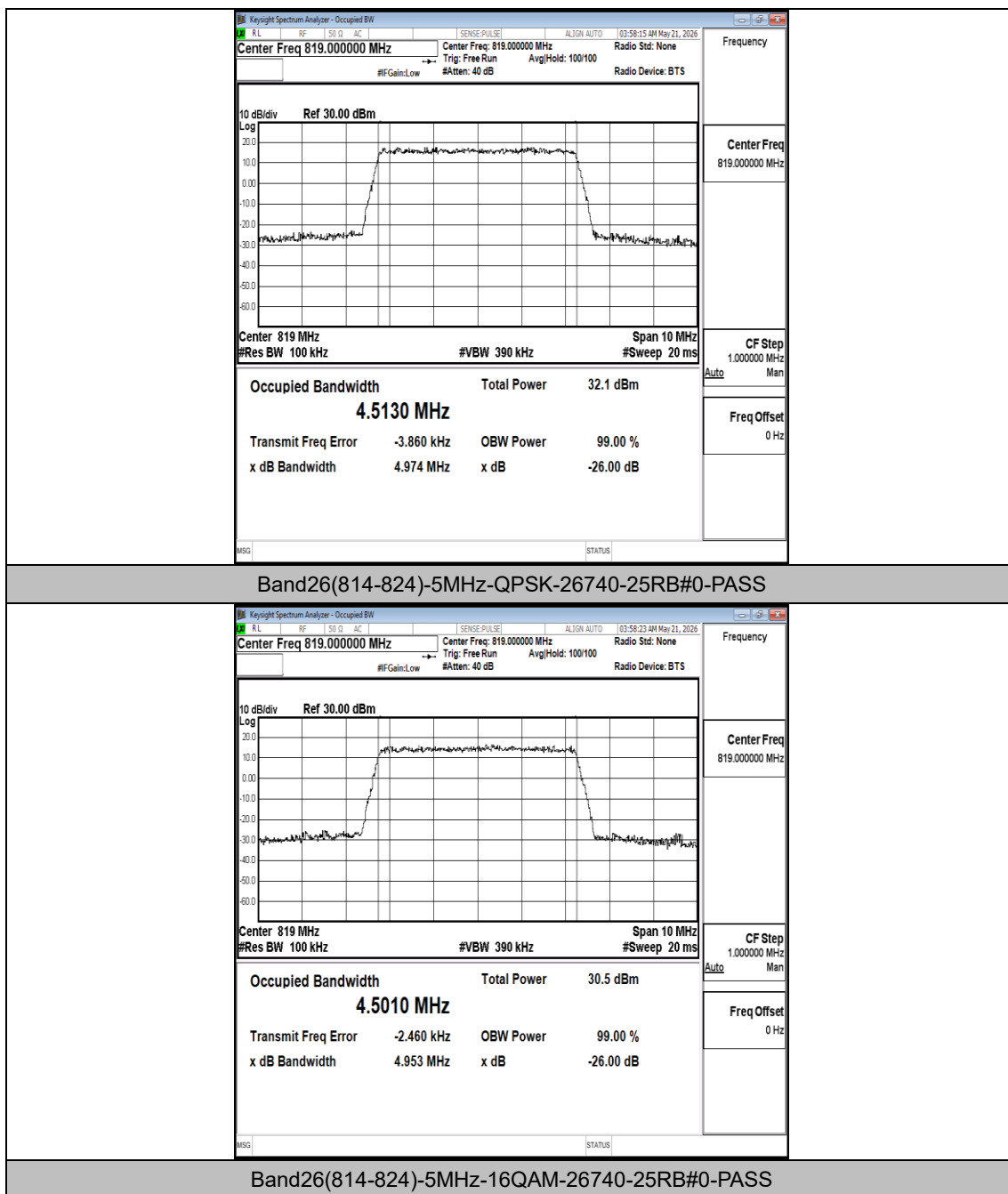


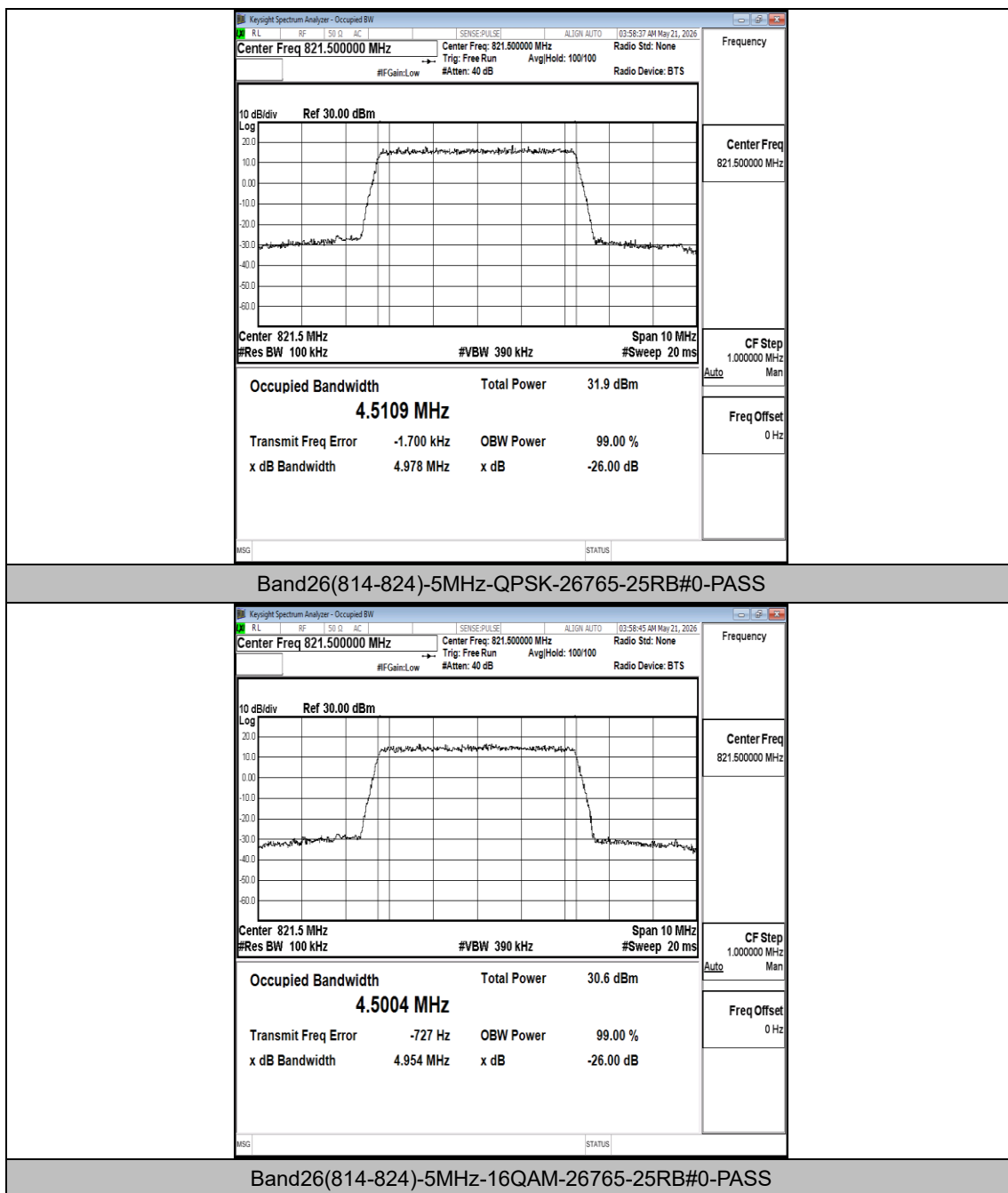


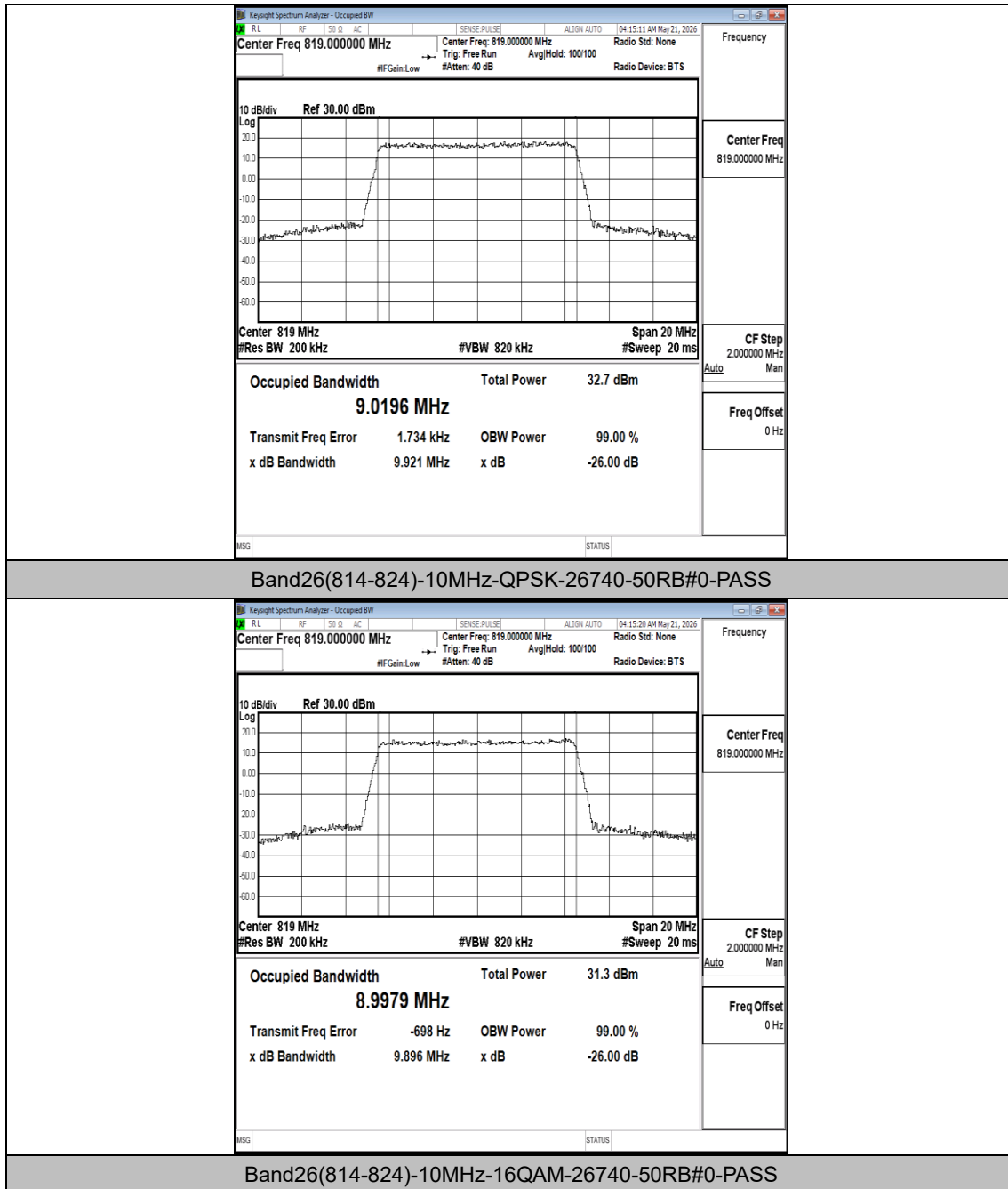












N.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	-28.87	15.87	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	-32.51	19.51	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	-33.04	20.04	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	-34.35	21.35	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	-27.88	14.88	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	-35.24	15.24	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	-31.31	18.31	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	-32.20	19.20	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	-33.45	20.45	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	-35.28	22.28	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	-35.51	22.51	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	-38.21	25.21	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	-37.84	24.84	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	-40.82	27.82	PASS

Test Graphs

