

Appendix J: Test Data for E-UTRA Band 12

Product Name: Android Head Unit with Floating Screen

Test Model: RVHU-130-ADF

Environmental Conditions

Temperature:	26.3°C
Relative Humidity:	54.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.12	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.13	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.12	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.04	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.04	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.93	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.93	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.79	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.84	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.74	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.64	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.87	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.64	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.04	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.18	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.29	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.14	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.00	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.07	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.97	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.00	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.79	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.69	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.70	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.82	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.81	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.71	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.99	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.12	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.14	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.29	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.09	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.17	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.10	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.28	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.77	PASS

Band12	1.4MHz	16QAM	23173	3RB#0	22.67	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.93	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.83	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.37	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.18	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.09	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.14	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.98	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.99	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.03	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.92	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.82	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.89	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.76	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.22	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.11	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.28	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.90	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.91	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.01	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.92	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.95	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.97	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.01	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.07	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.55	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.54	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.19	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.12	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.27	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.16	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.23	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.02	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.09	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.22	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.11	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.15	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.02	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.91	PASS
Band12	3MHz	16QAM	23165	1RB#8	24.15	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.98	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.27	PASS

Band12	3MHz	16QAM	23165	8RB#4	22.07	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.57	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.10	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.02	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.00	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.96	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.98	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.00	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.03	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.05	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.22	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.65	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.22	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.18	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.17	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.25	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.11	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.05	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.13	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.15	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.97	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.94	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.01	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.02	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.93	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.65	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.02	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.05	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.00	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.09	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.12	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.19	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.96	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.08	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.16	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.06	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.08	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.12	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.61	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.02	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.62	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.18	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.15	PASS

Band12	5MHz	16QAM	23155	12RB#13	22.10	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.25	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.07	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.24	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.04	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.05	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.05	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.09	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.08	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.86	PASS
Band12	10MHz	16QAM	23060	1RB#24	24.42	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.86	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.27	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.14	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.15	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.14	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.01	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.93	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.14	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.09	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.06	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.05	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.09	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.15	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.23	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.18	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.17	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.11	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.41	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.12	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.98	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.13	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.08	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.02	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.99	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.10	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.95	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.74	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.93	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.83	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.07	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.30	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.14	PASS

Band12	10MHz	16QAM	23130	50RB#0	22.40	PASS
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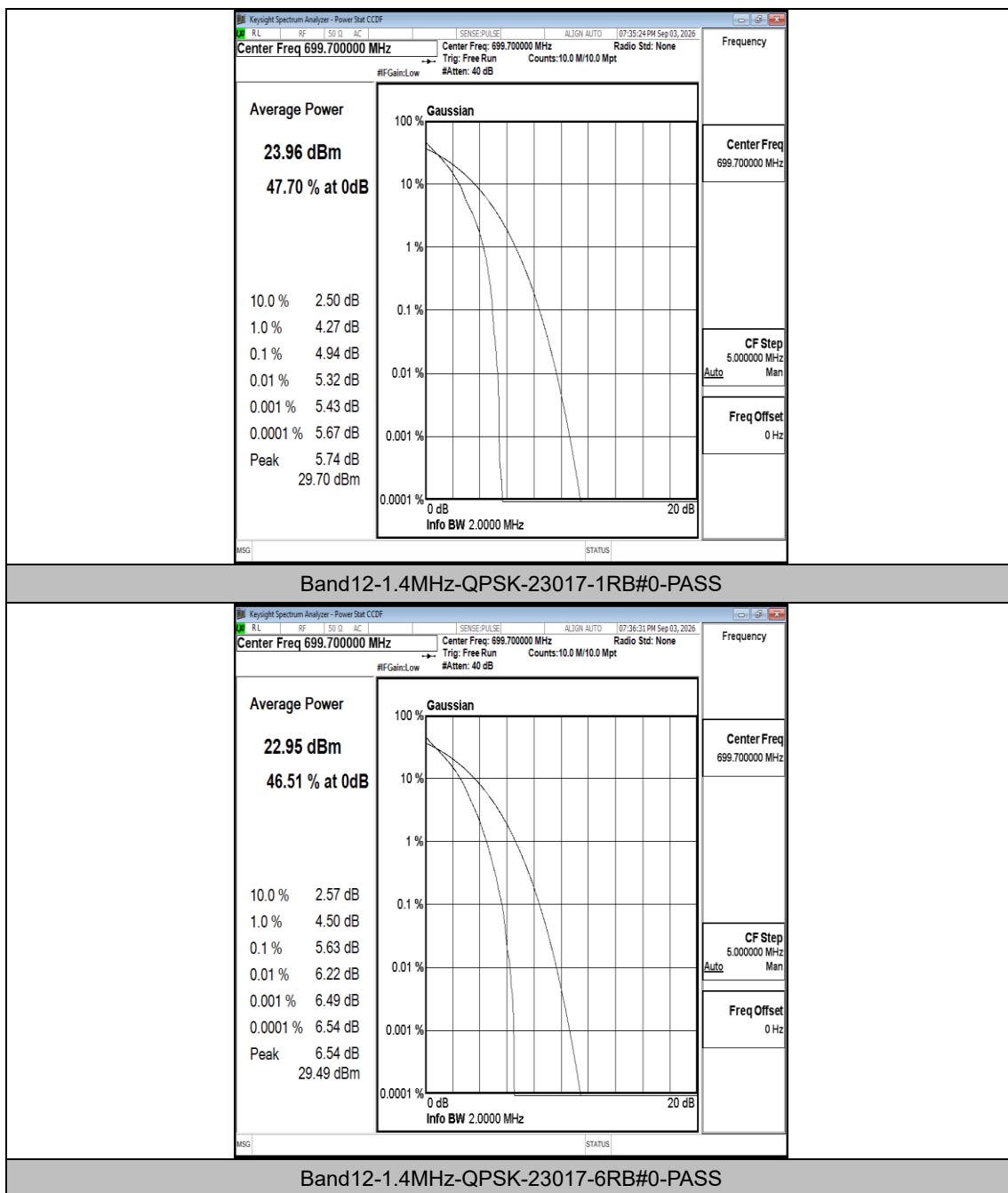
J.2 Peak-to-Average Ratio(CCDF)

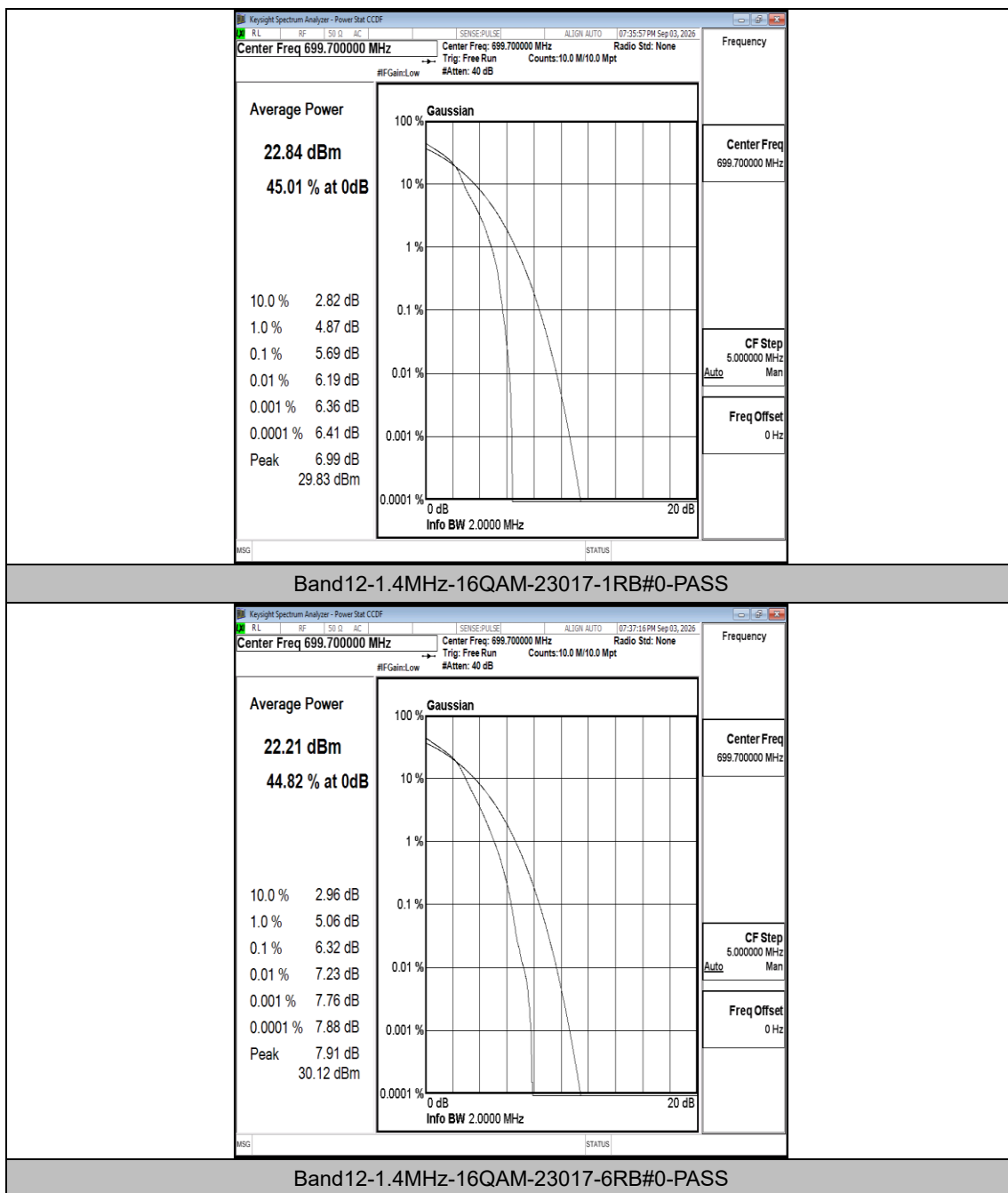
Test Result

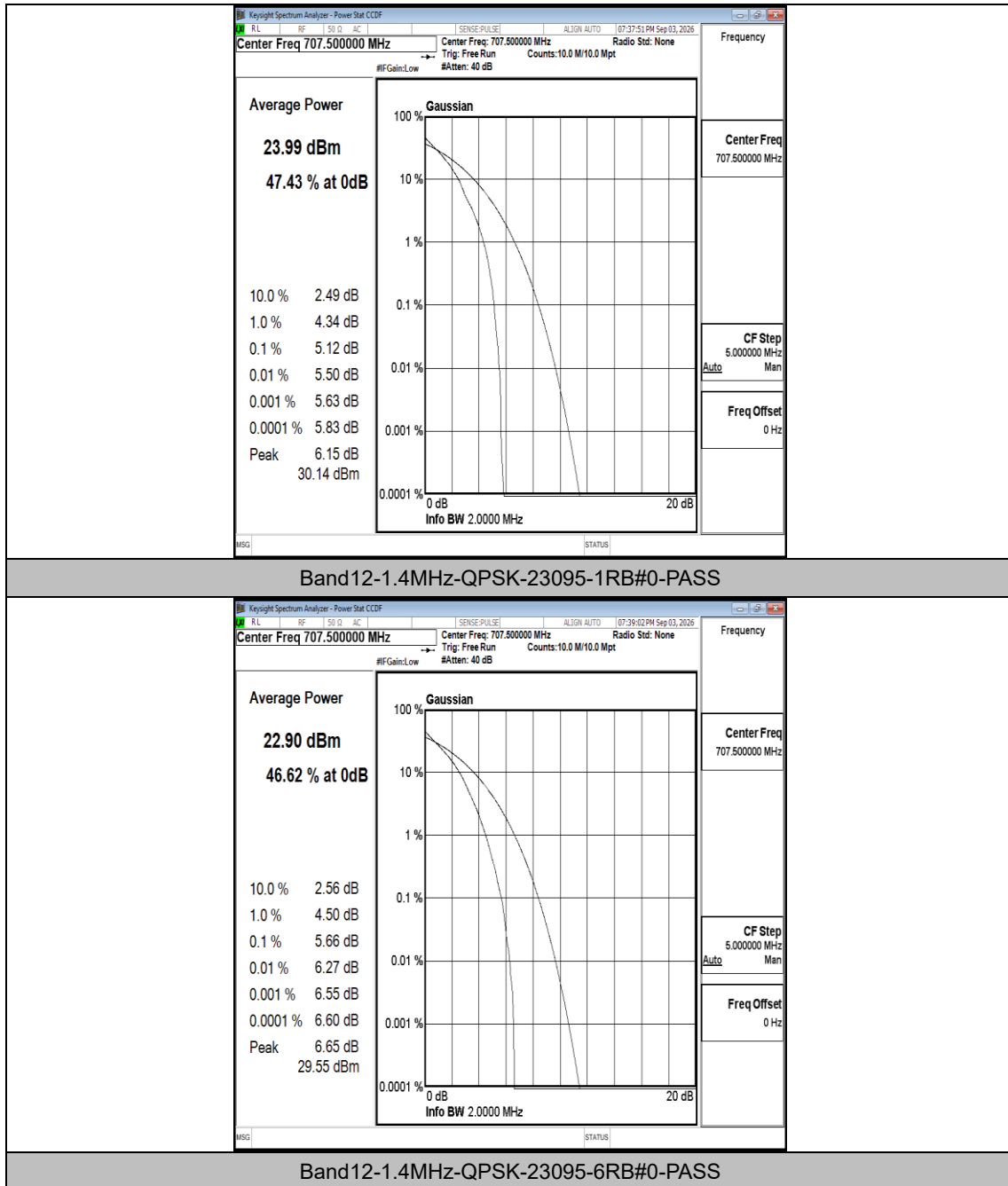
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.94	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.63	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.69	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.32	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.12	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.66	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.82	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.33	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.90	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.56	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.60	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.20	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.19	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.69	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.18	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.43	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.49	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.71	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.40	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.46	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.11	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.66	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	6.11	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.39	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.44	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.65	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	6.07	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.30	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.74	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.70	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.18	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.32	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.18	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.54	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.85	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.21	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.24	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.73	13	PASS

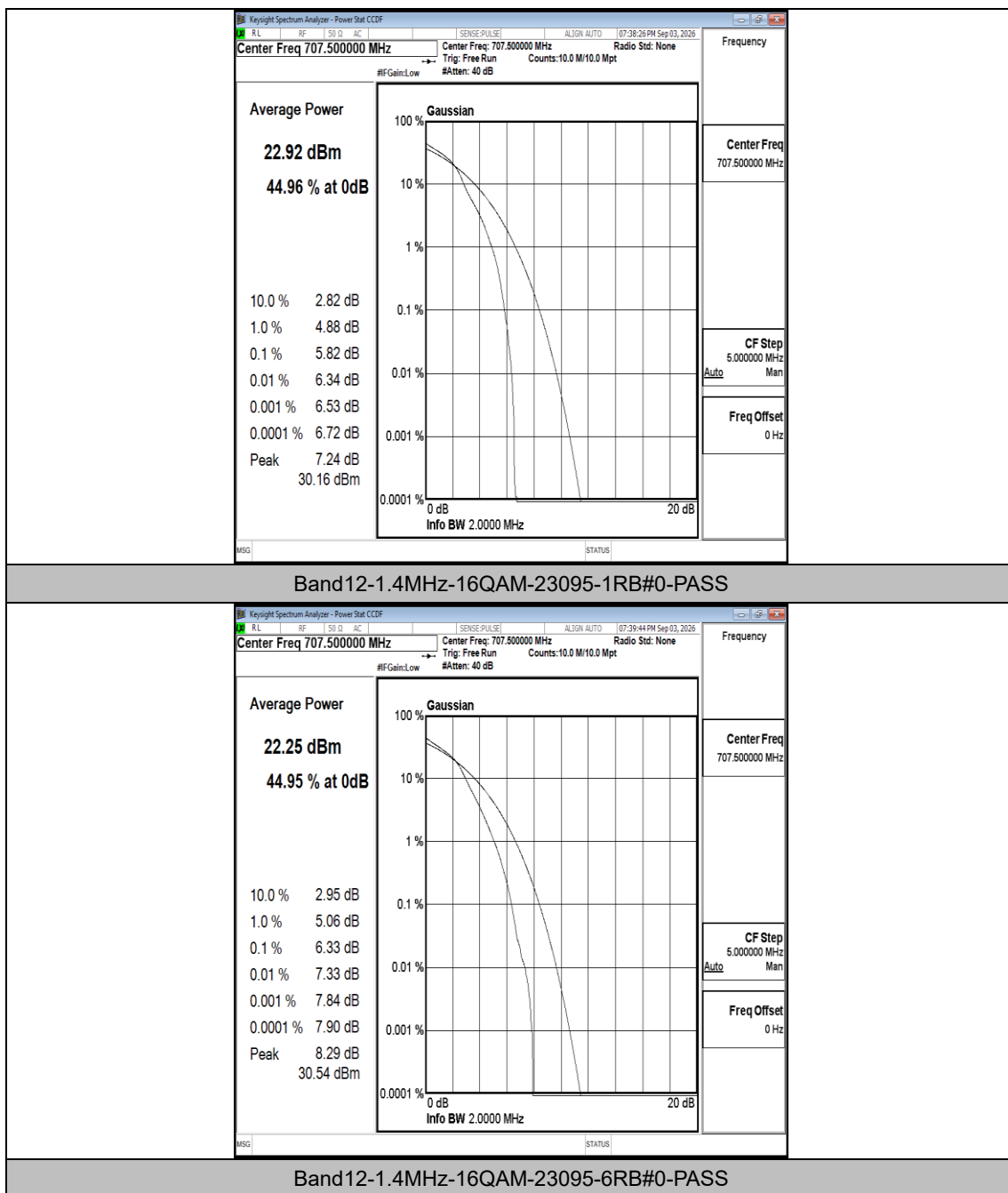
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Band12	10MHz	16QAM	23060	50RB#0	6.39	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.55	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.73	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.45	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.38	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.45	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.49	13	PASS
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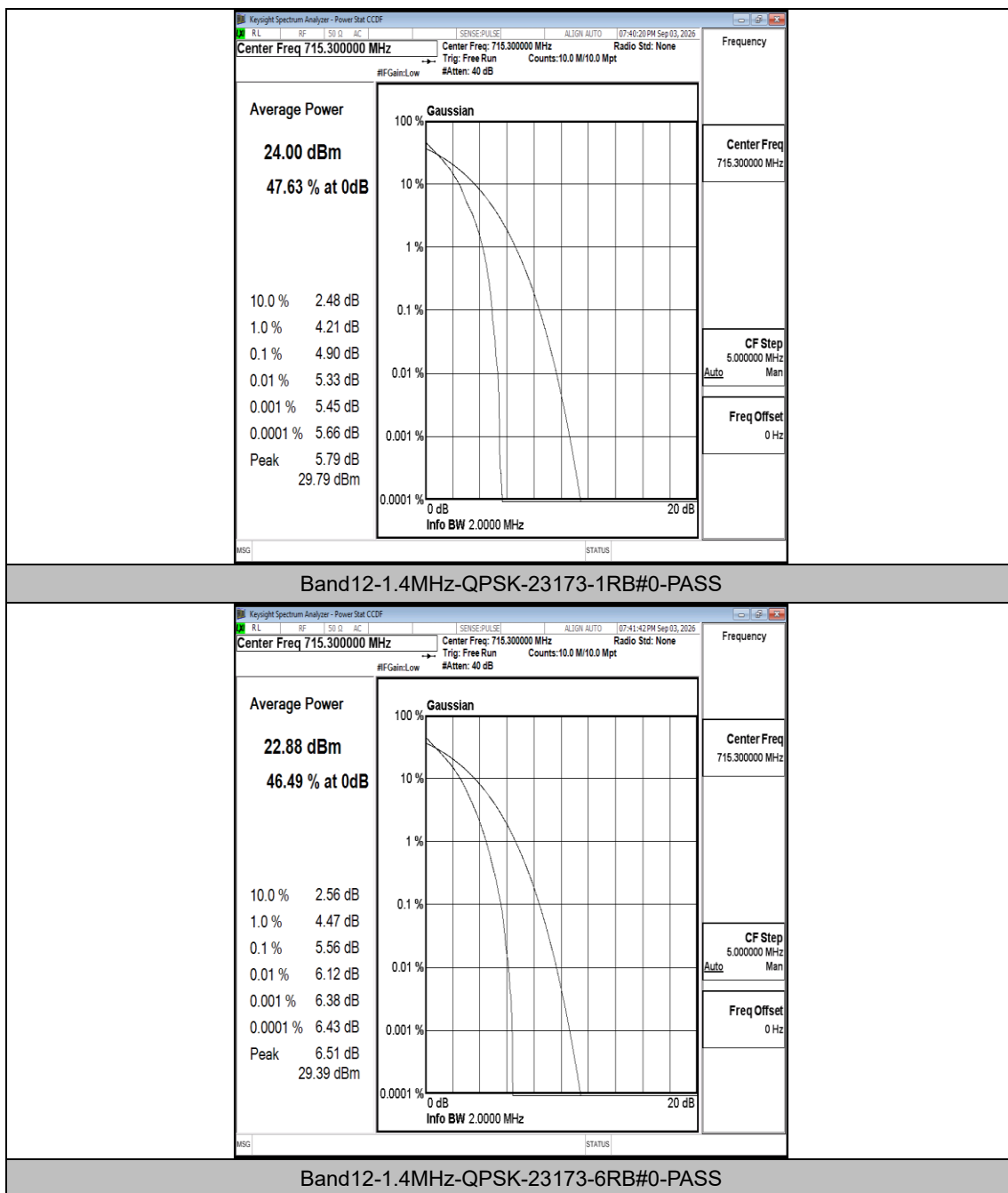
Test Graphs

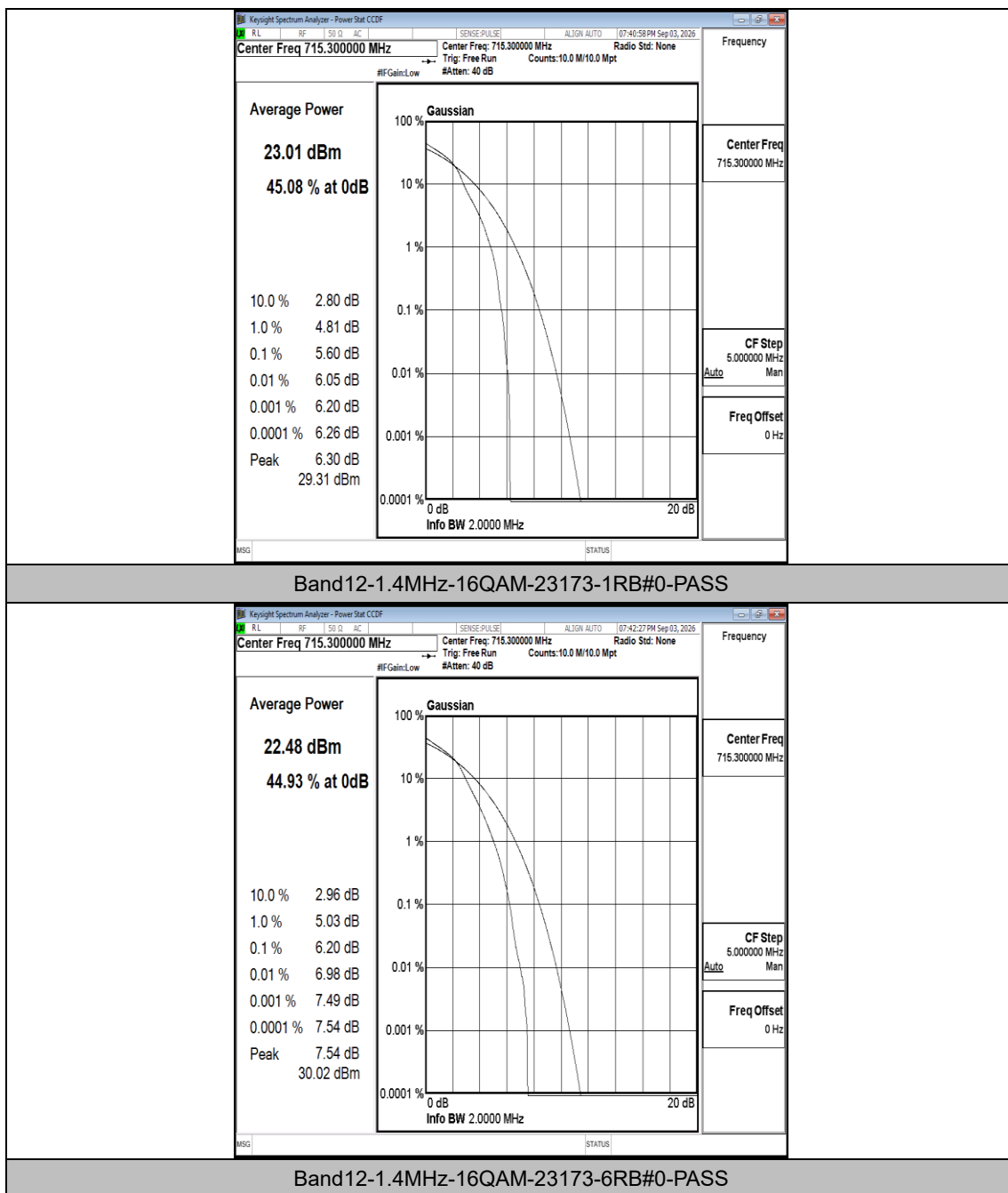


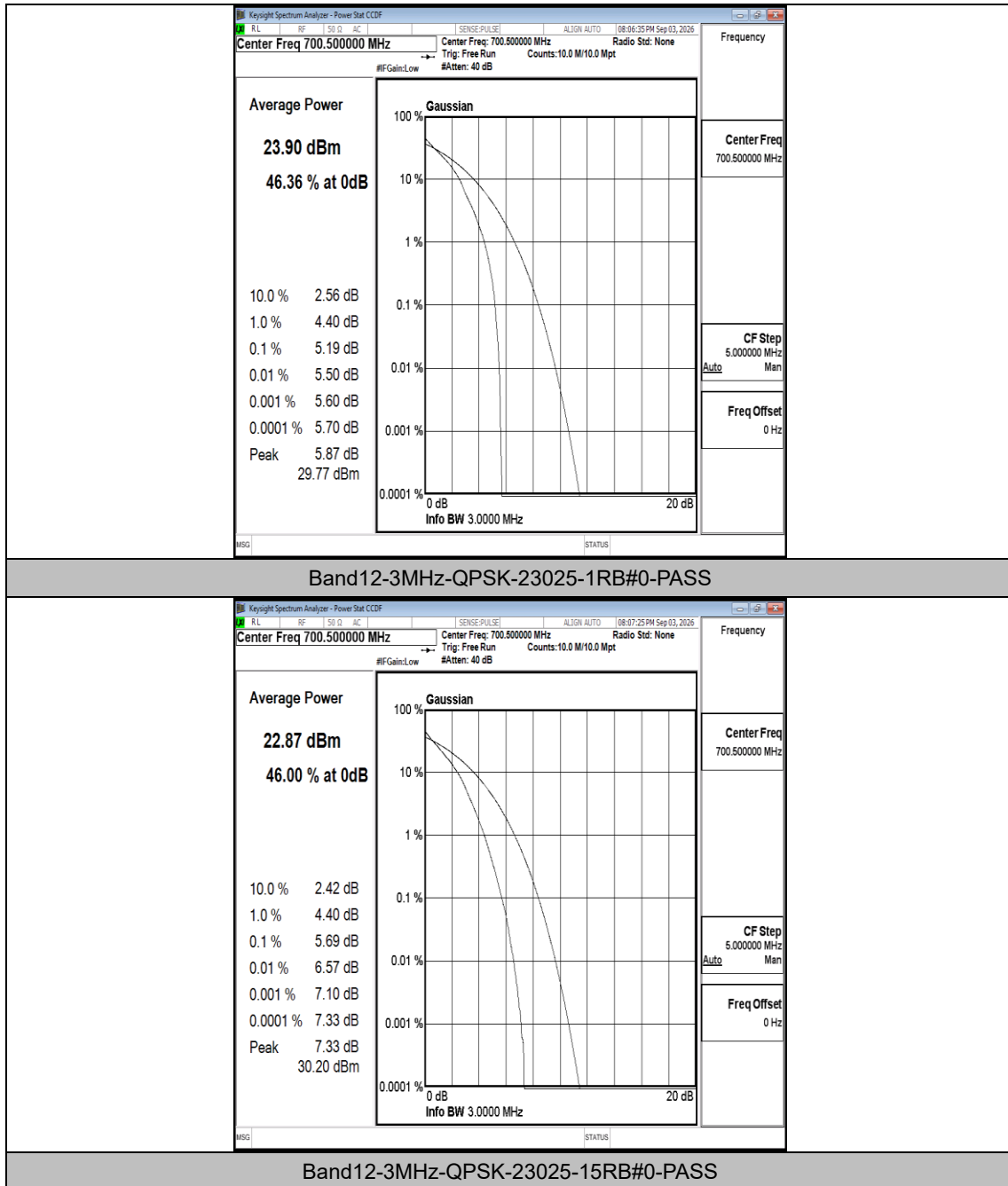


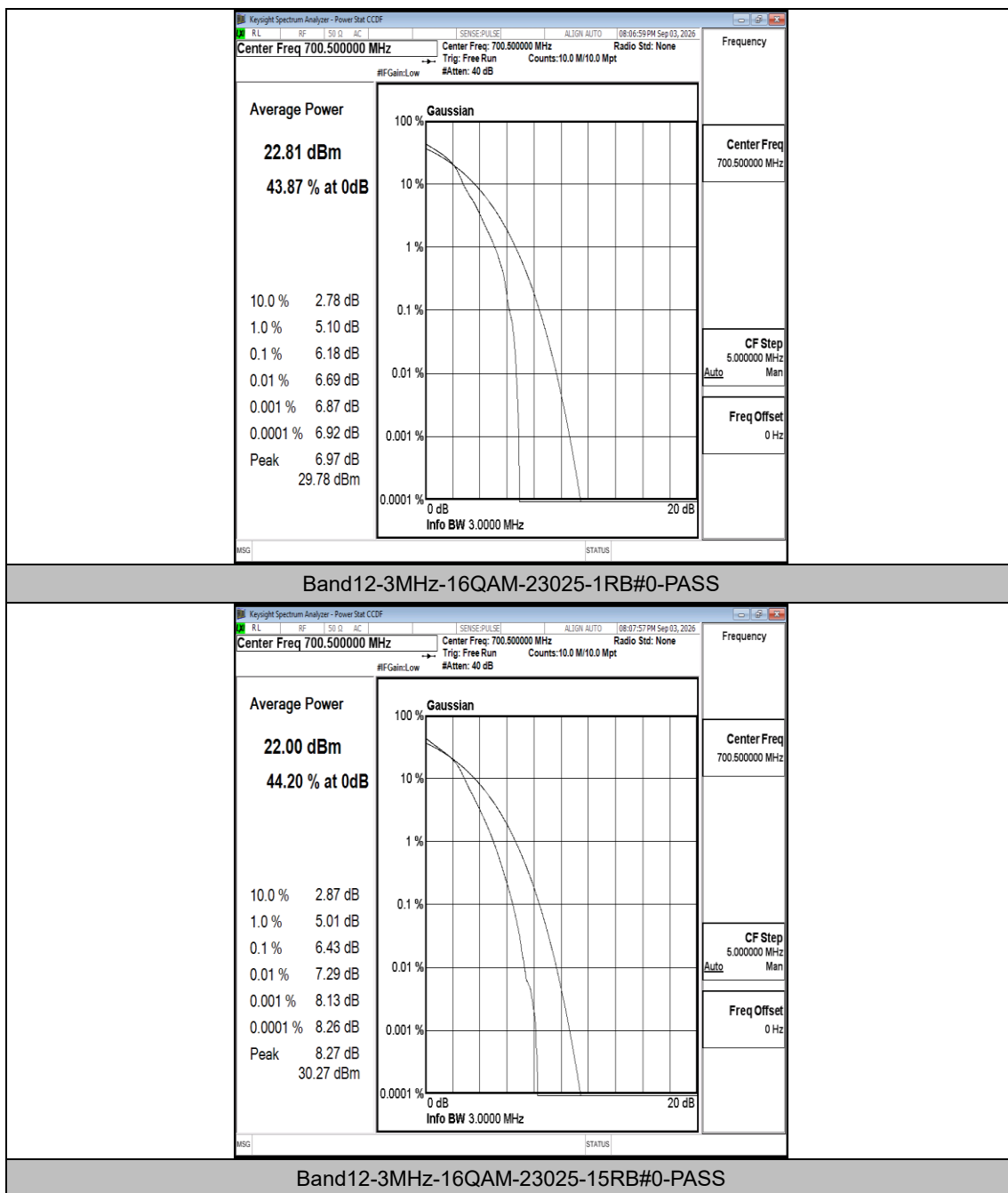


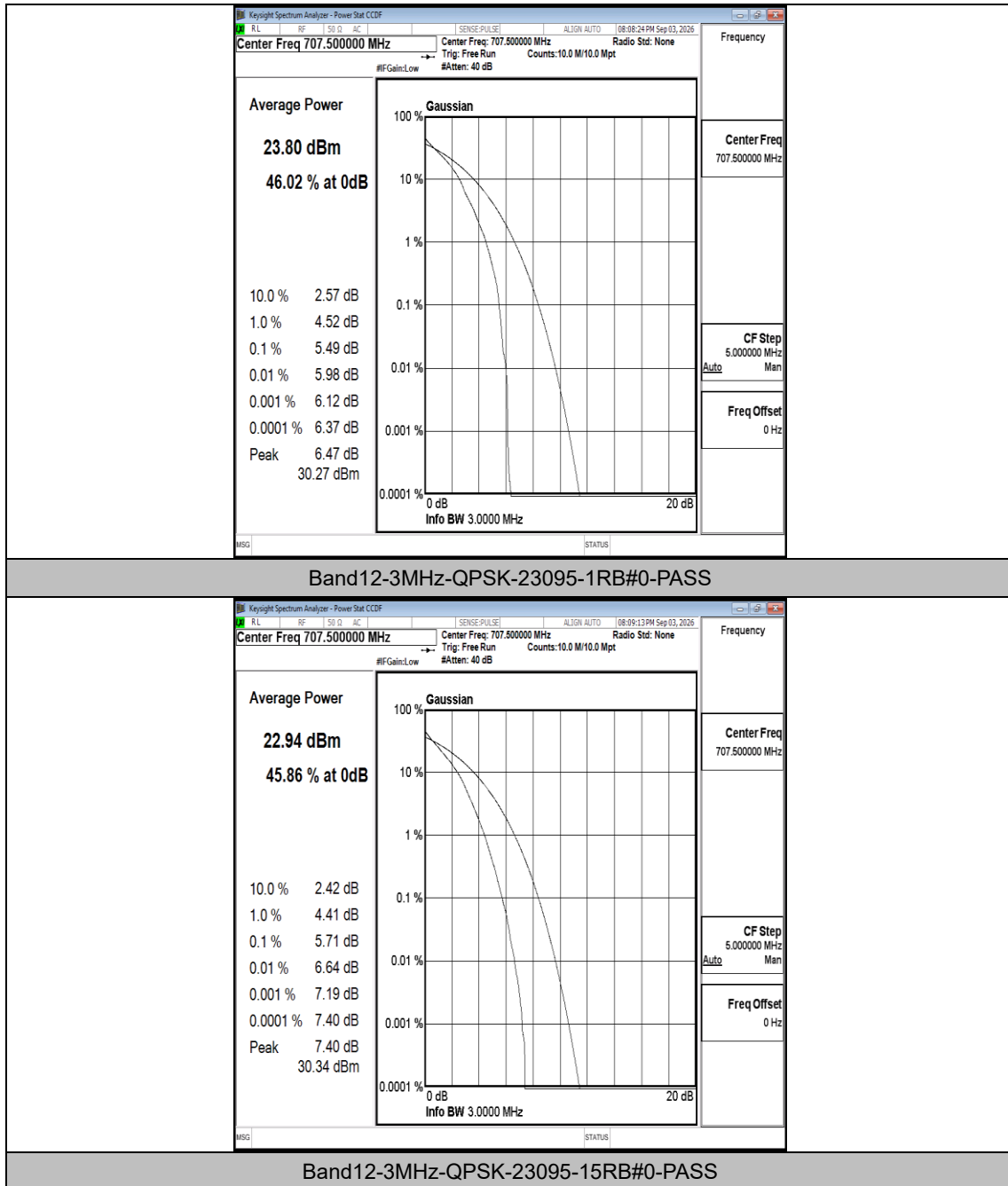


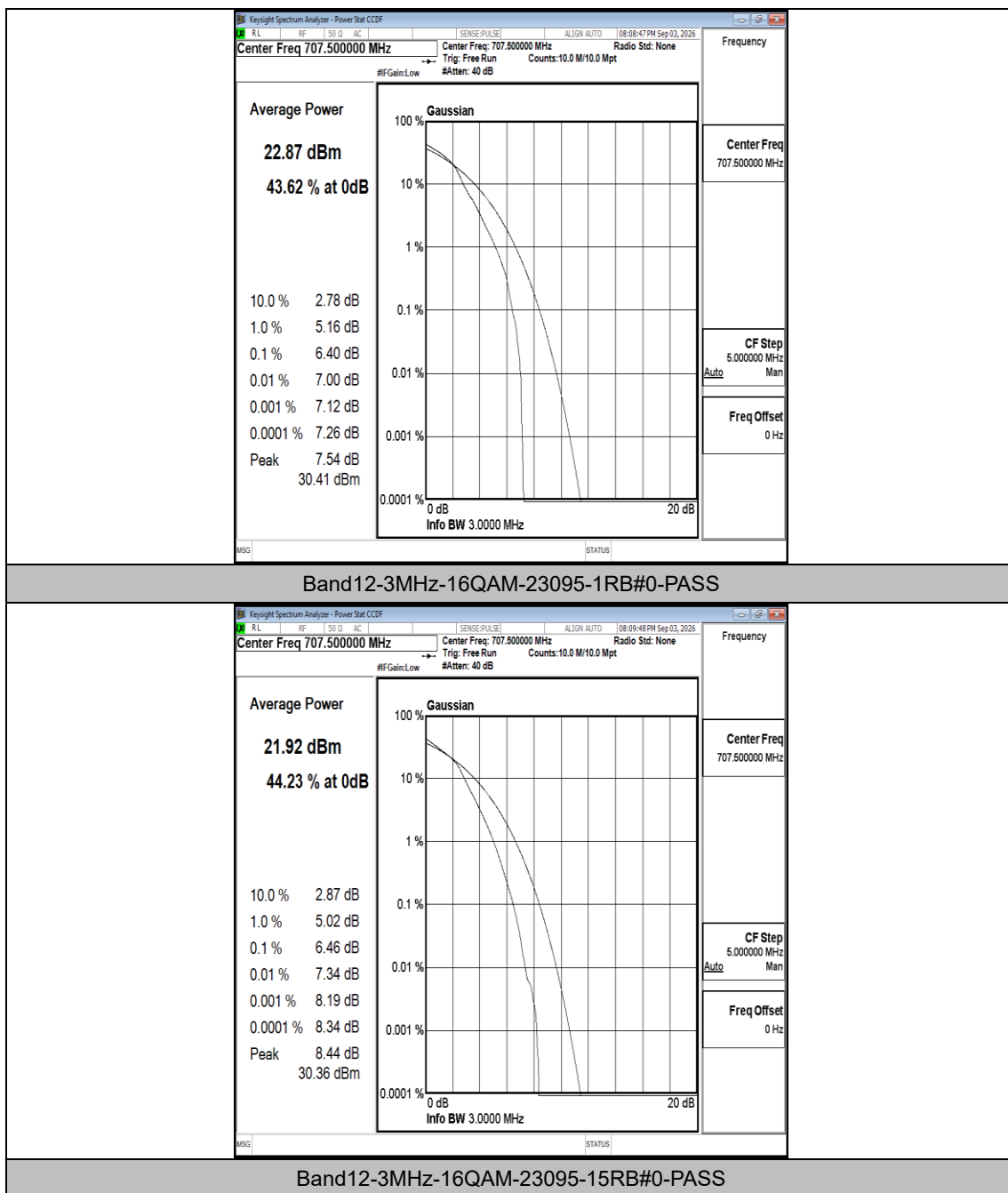


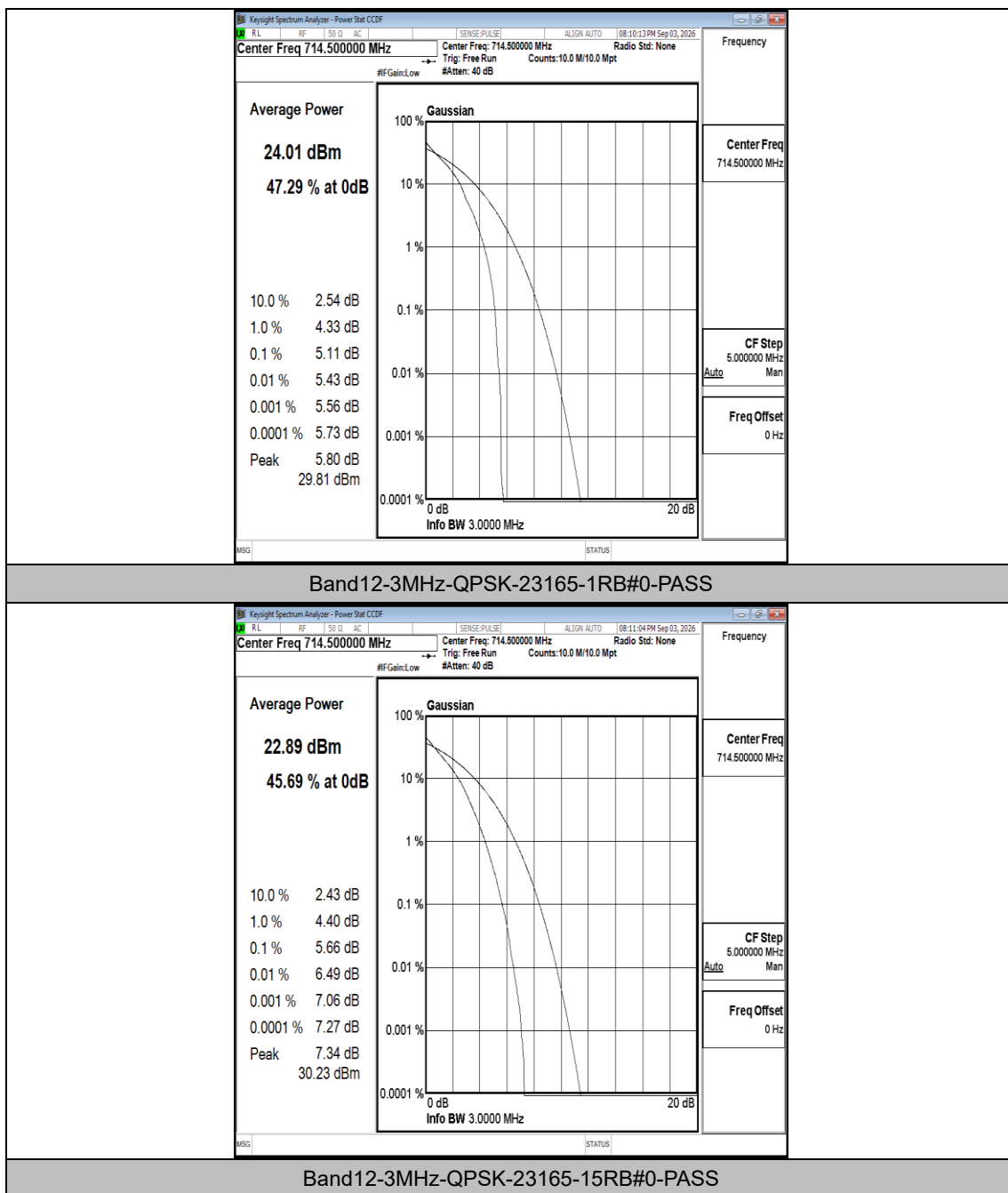


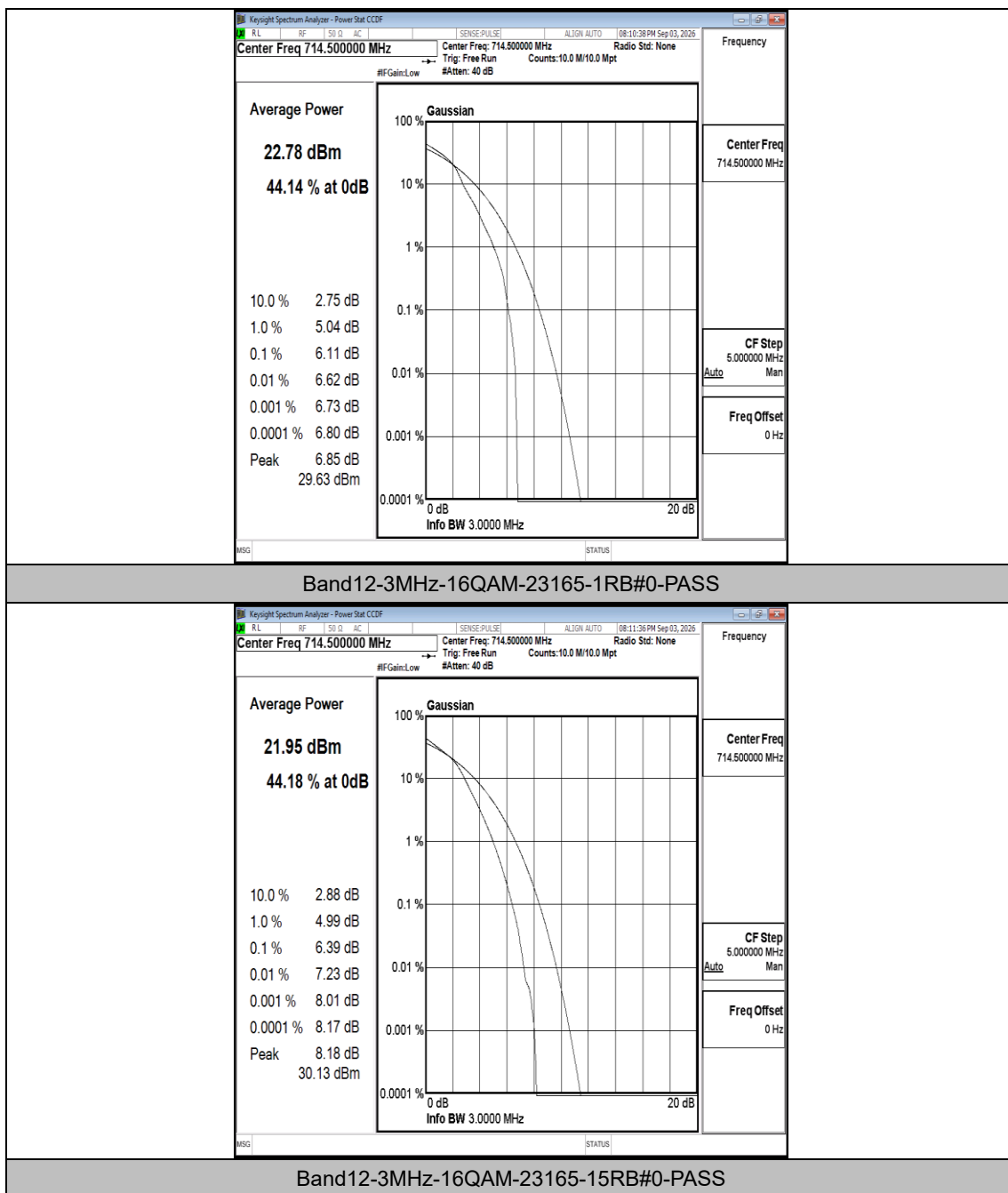


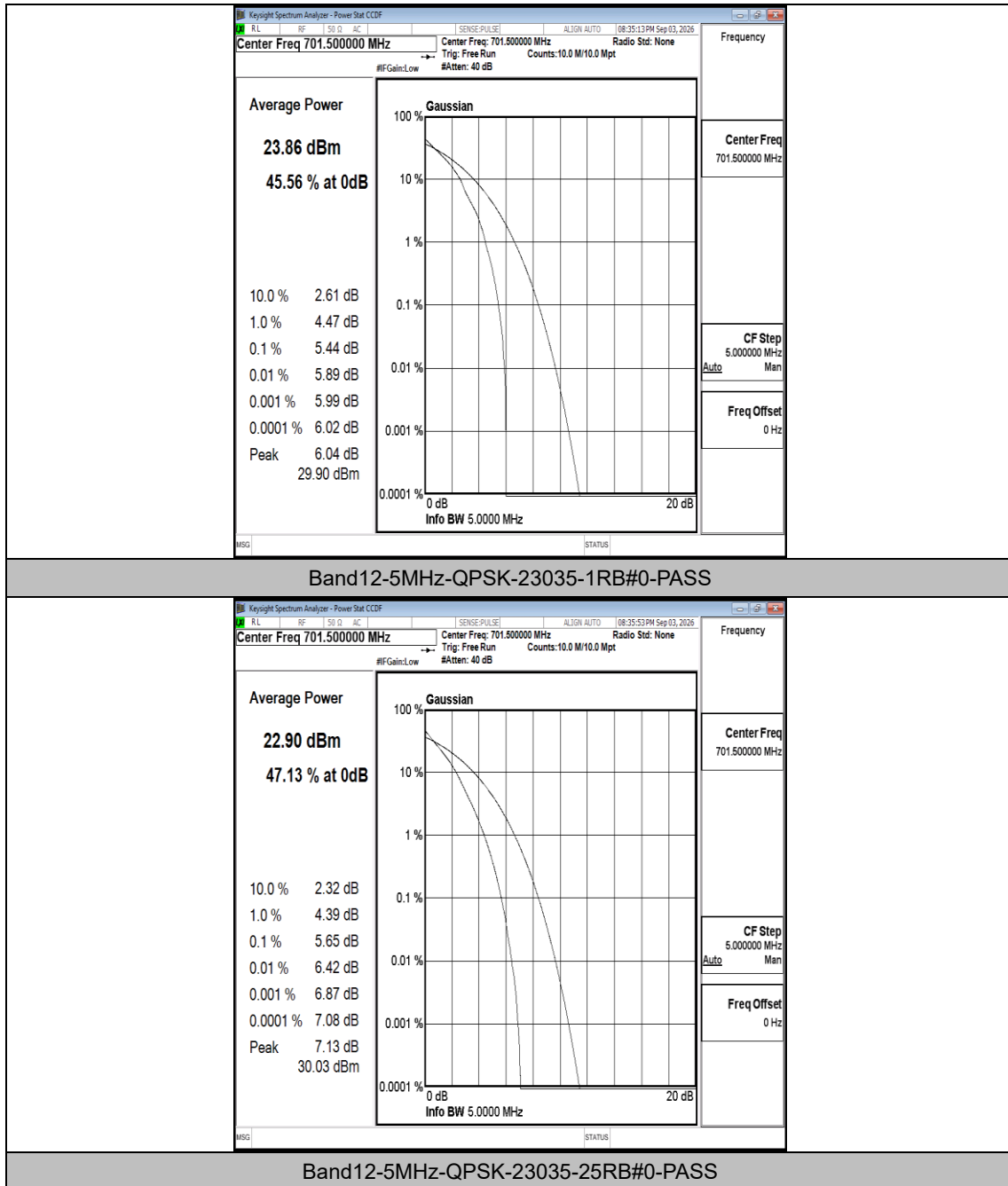


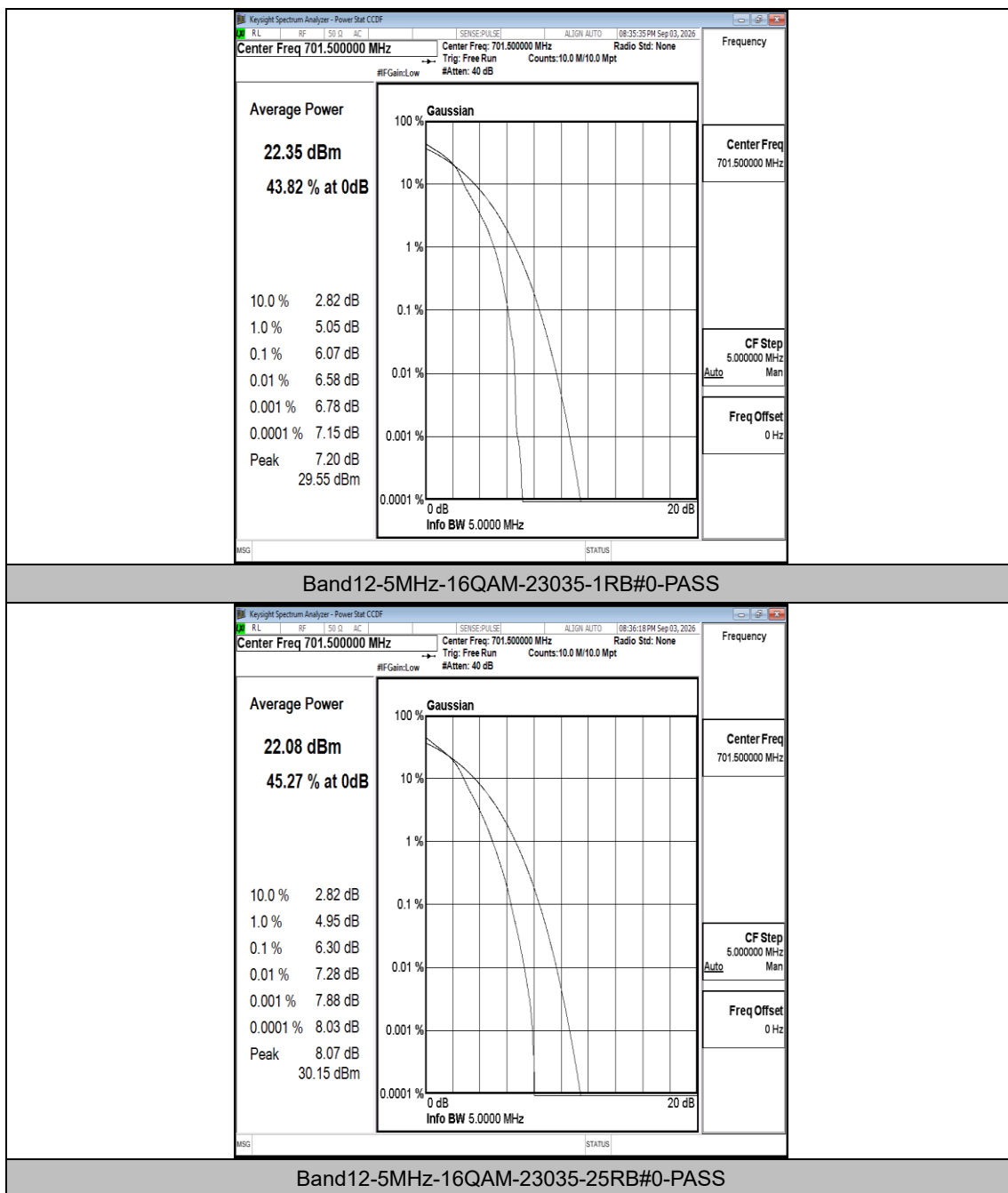


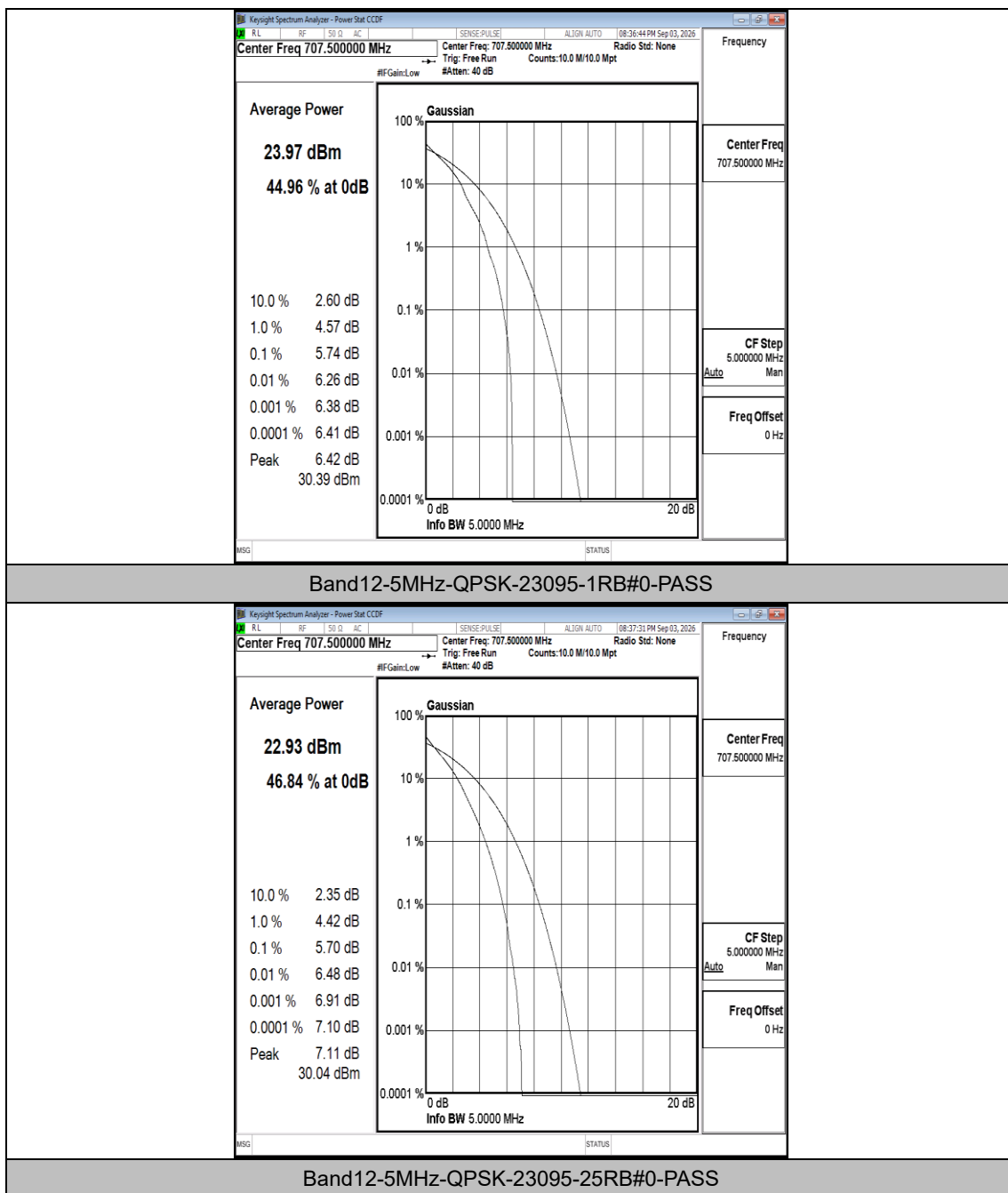


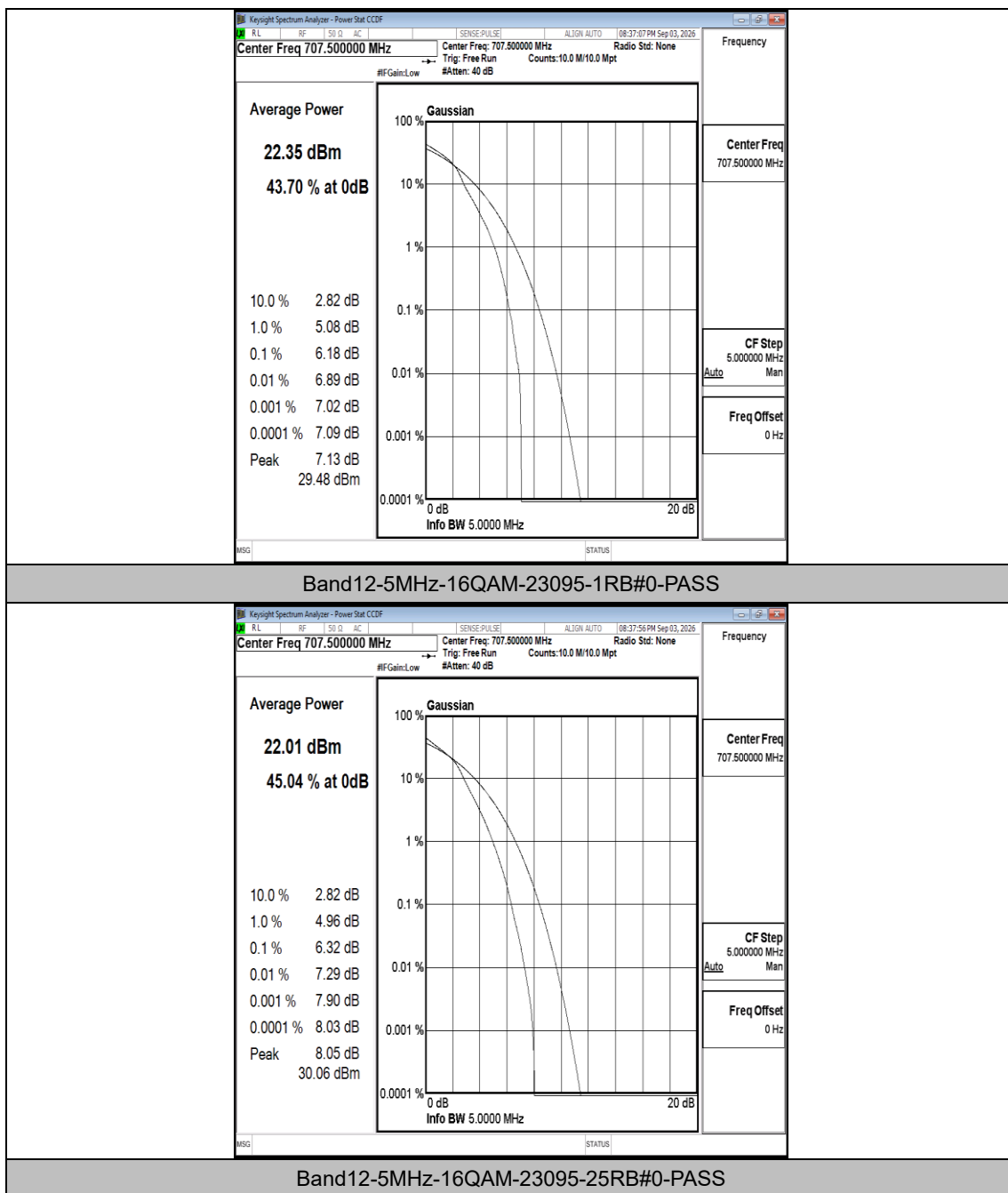


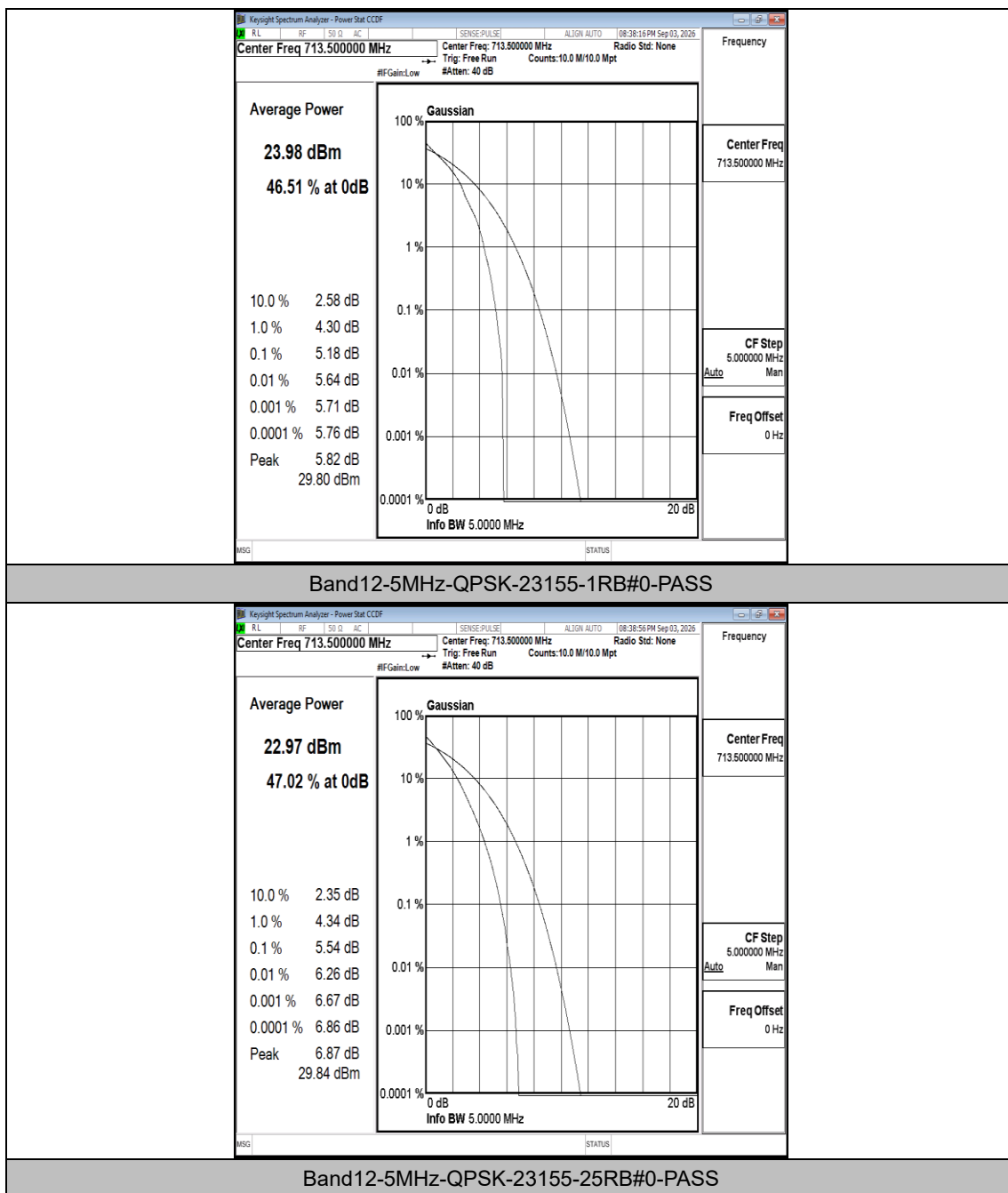


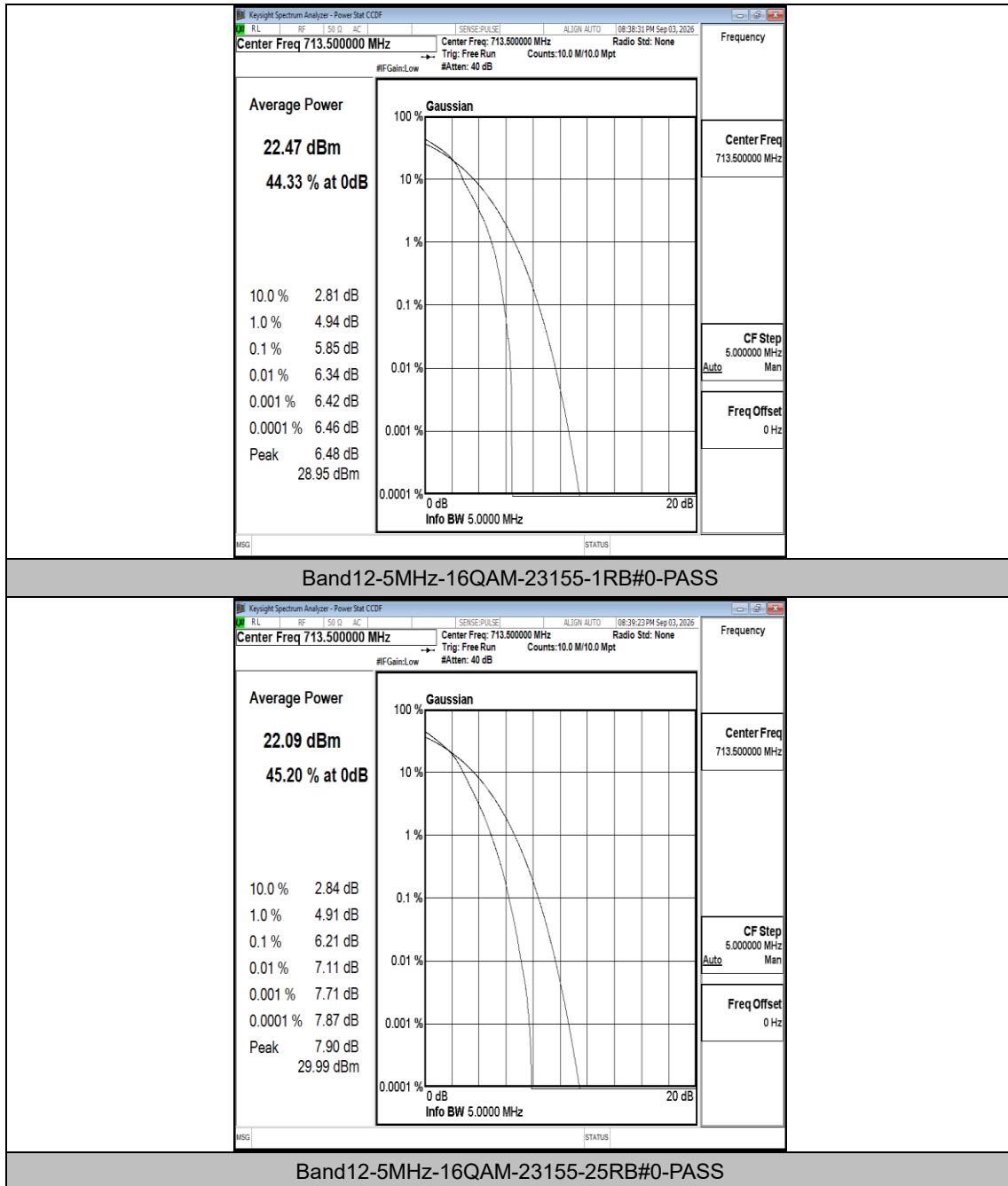


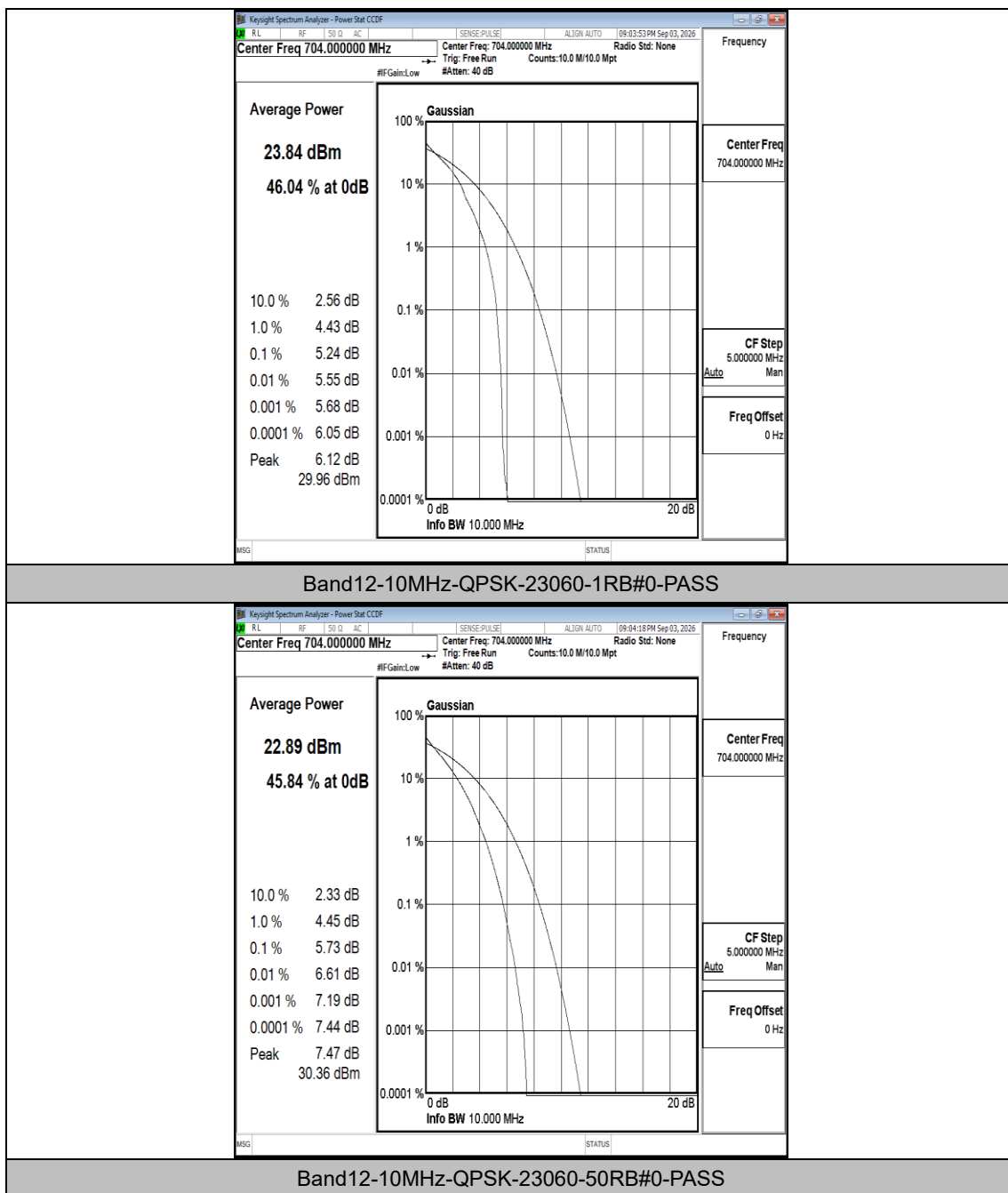


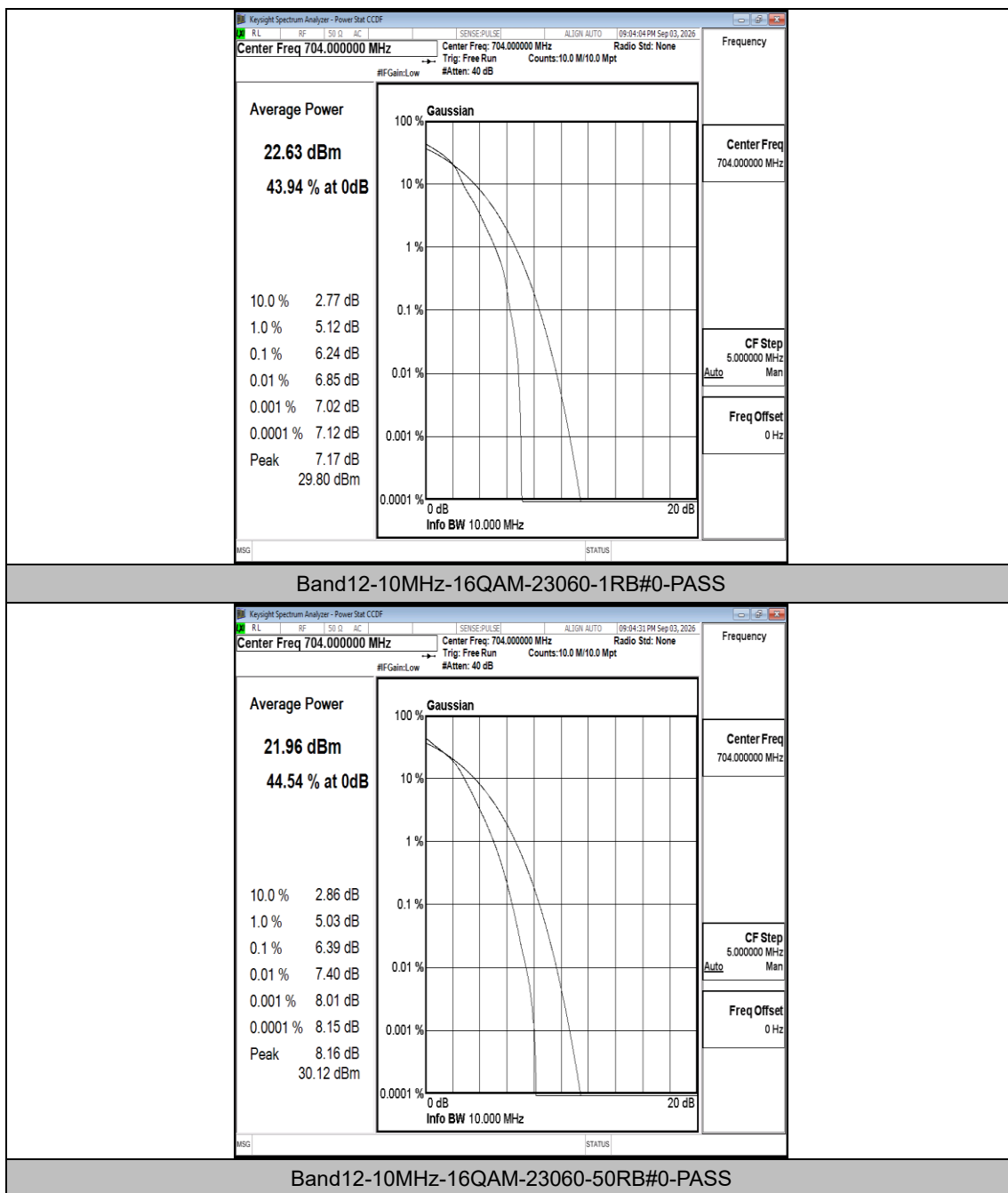


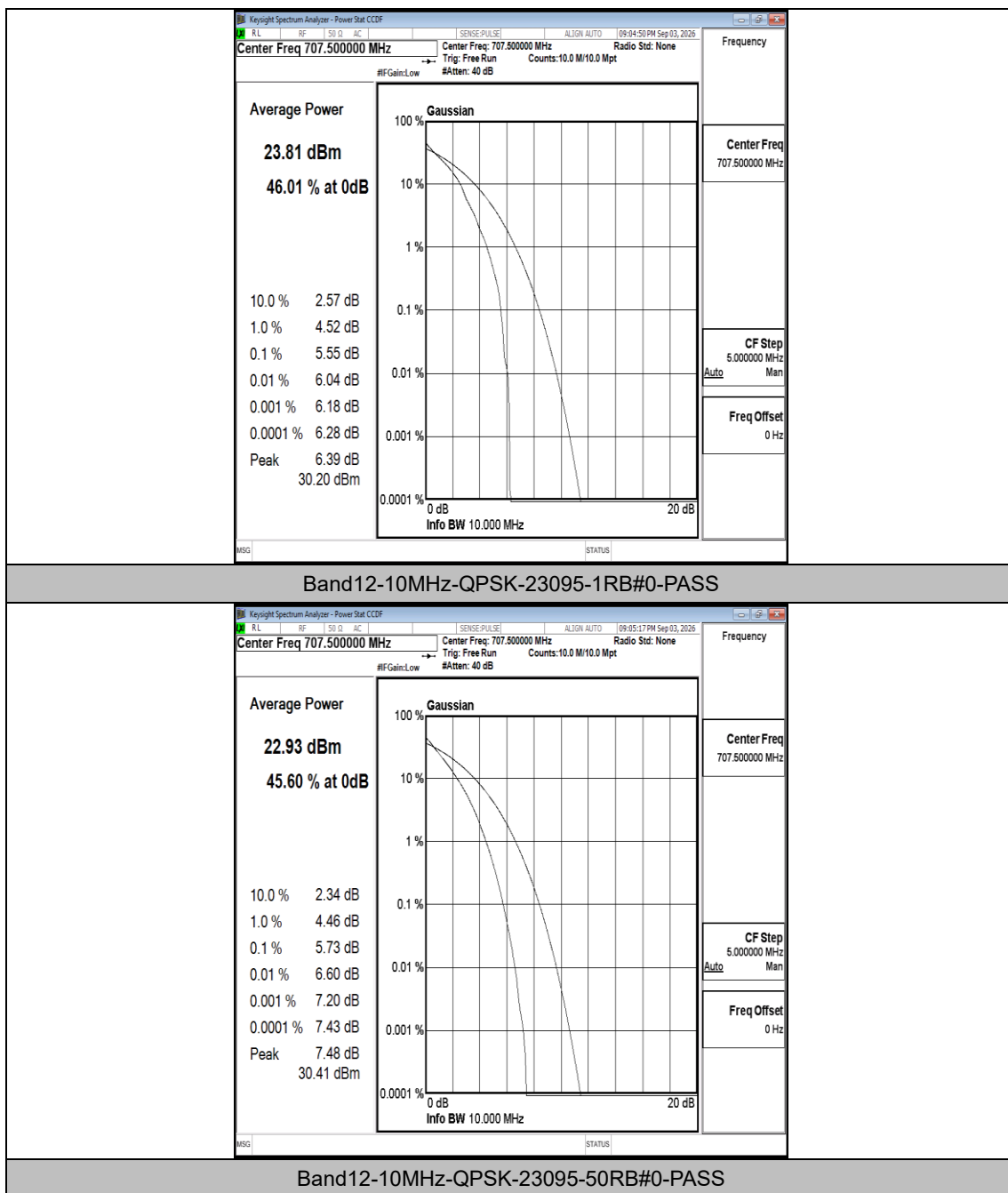


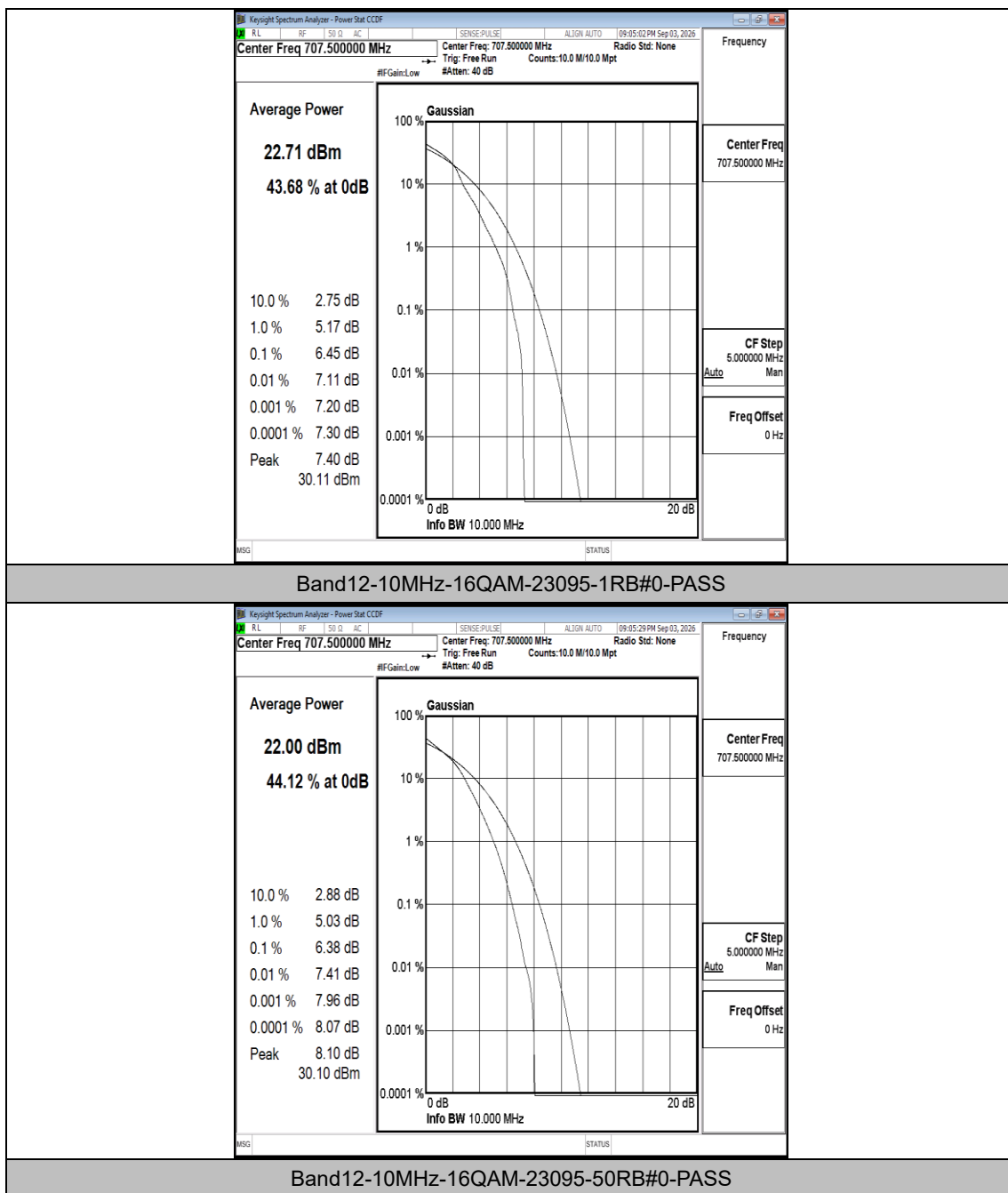


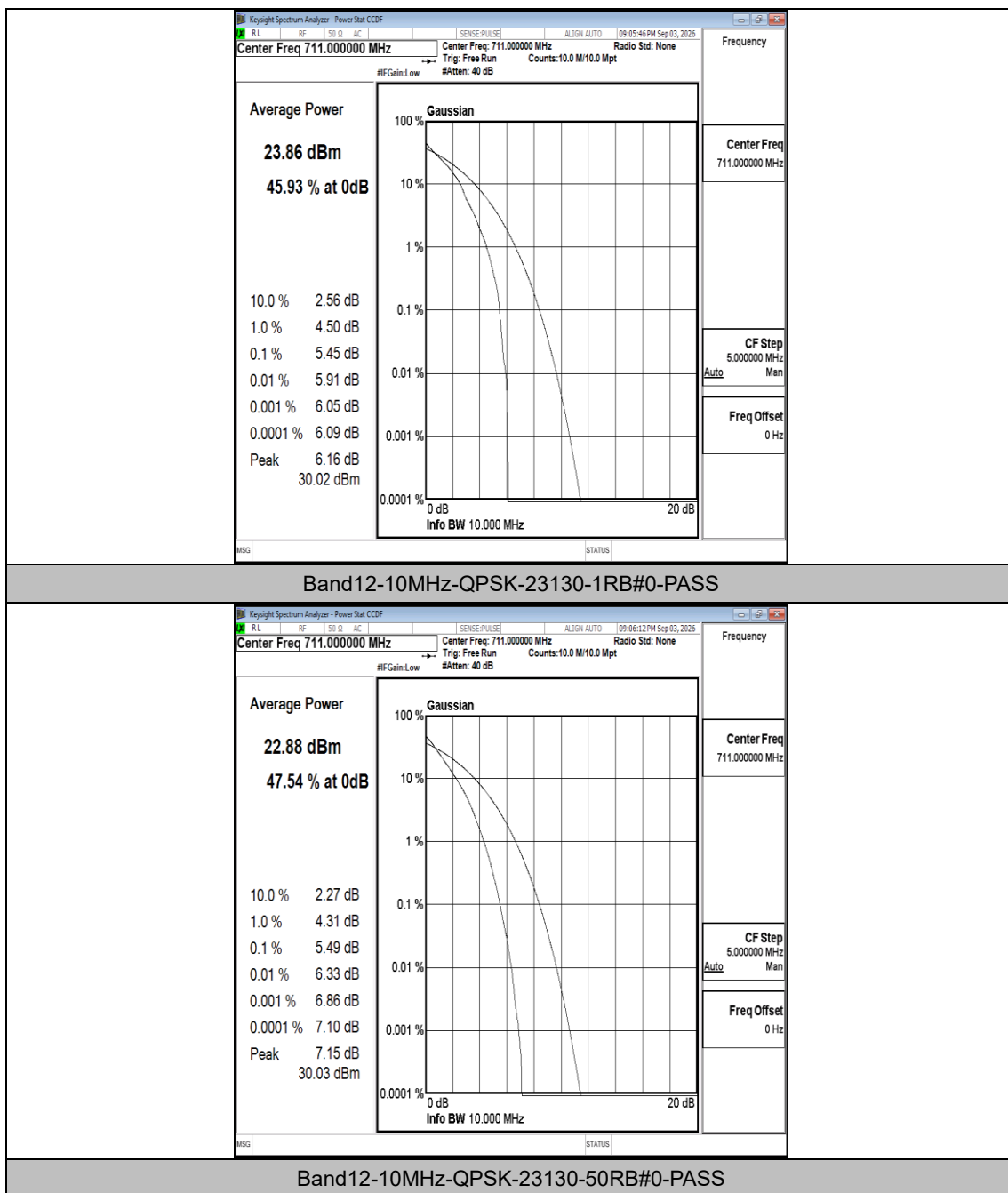


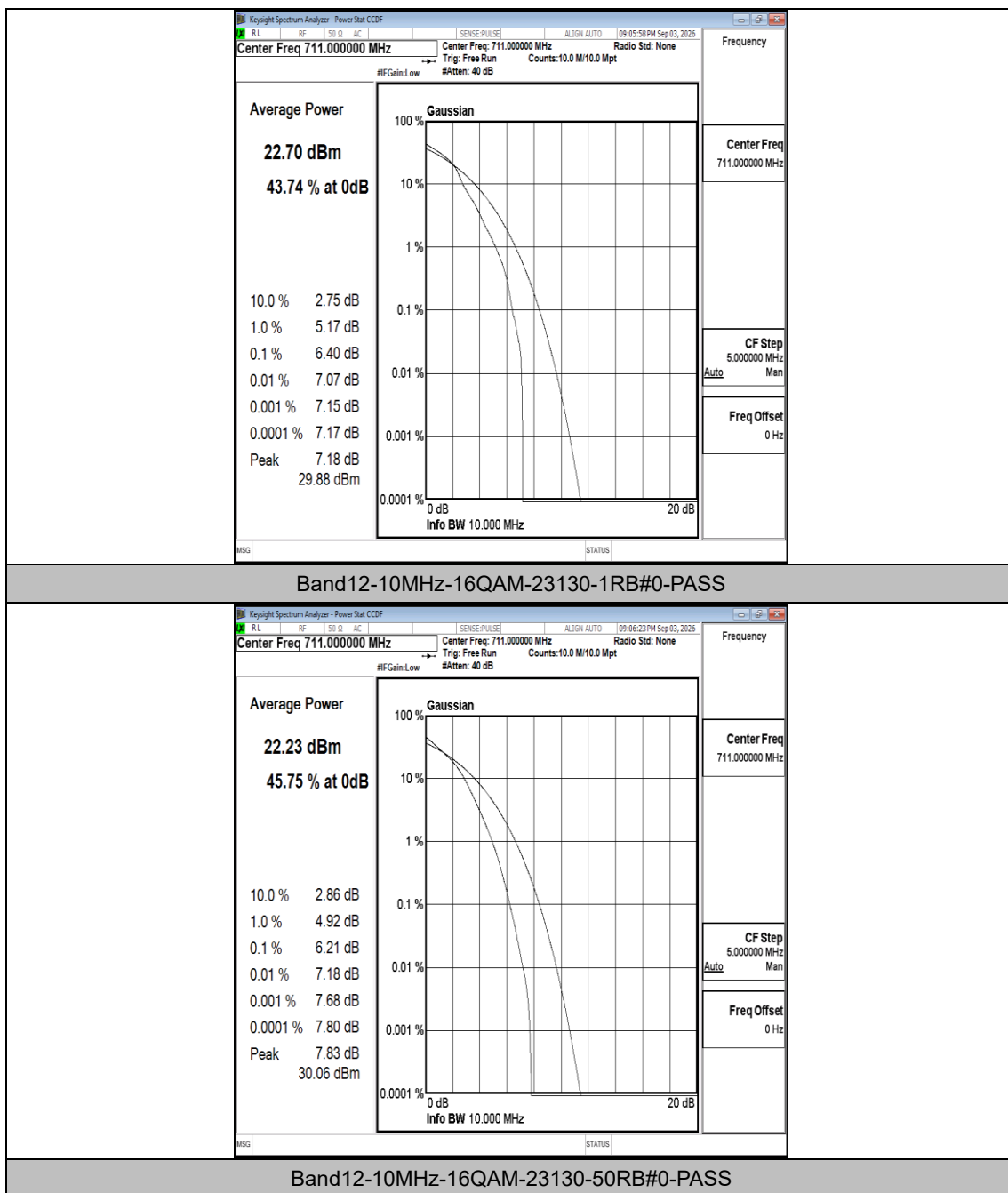










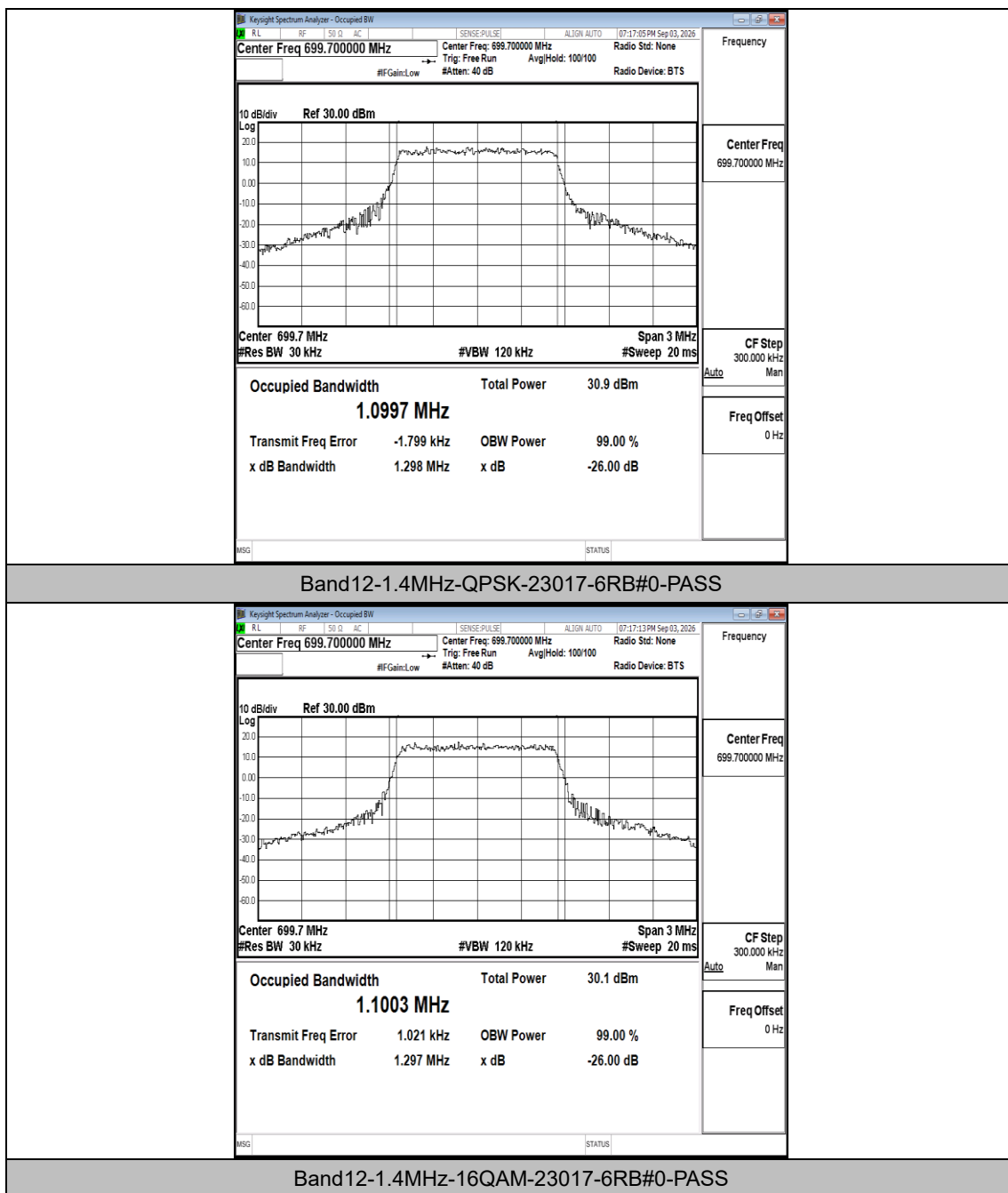


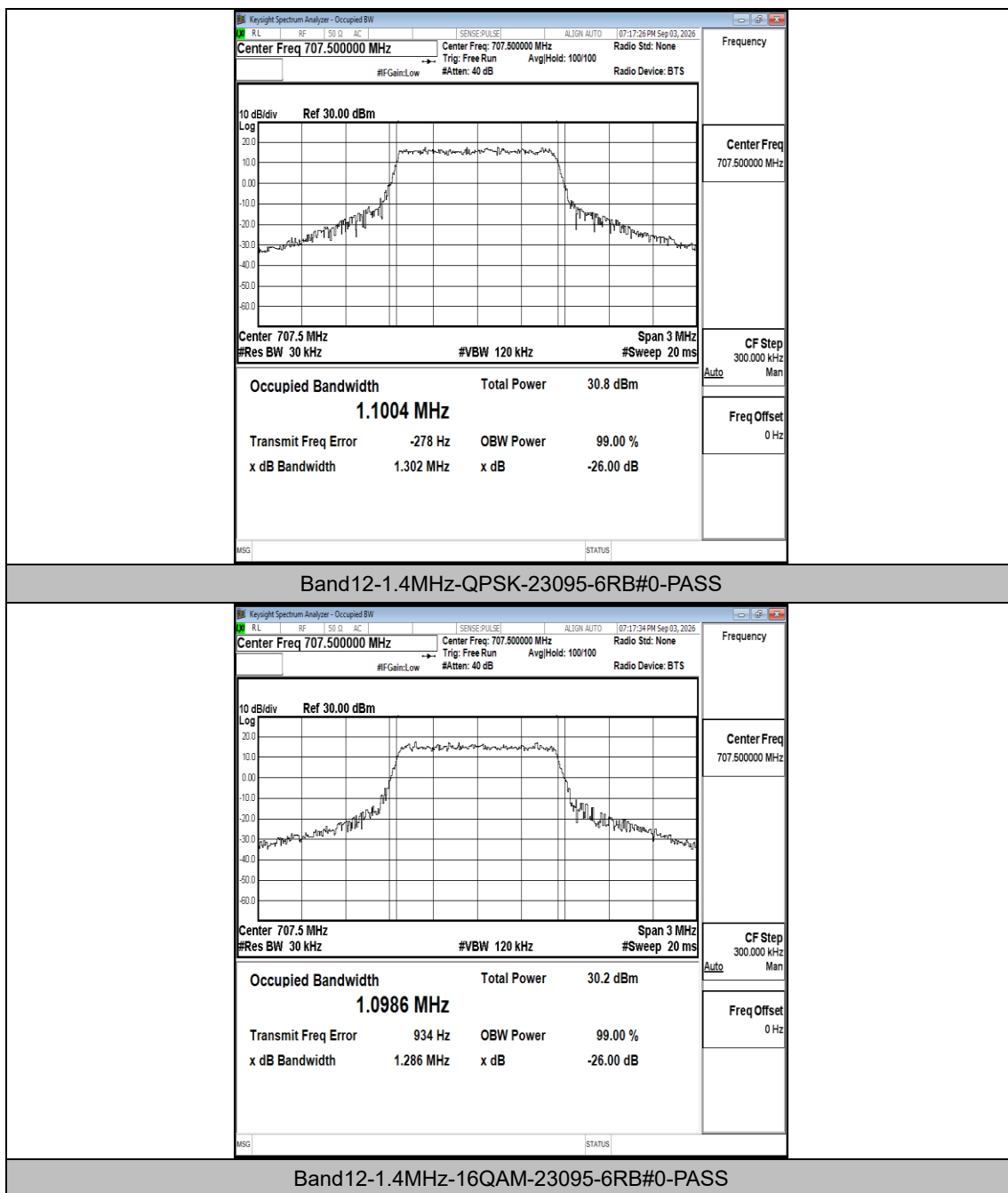
J.3 26dB Bandwidth and Occupied Bandwidth

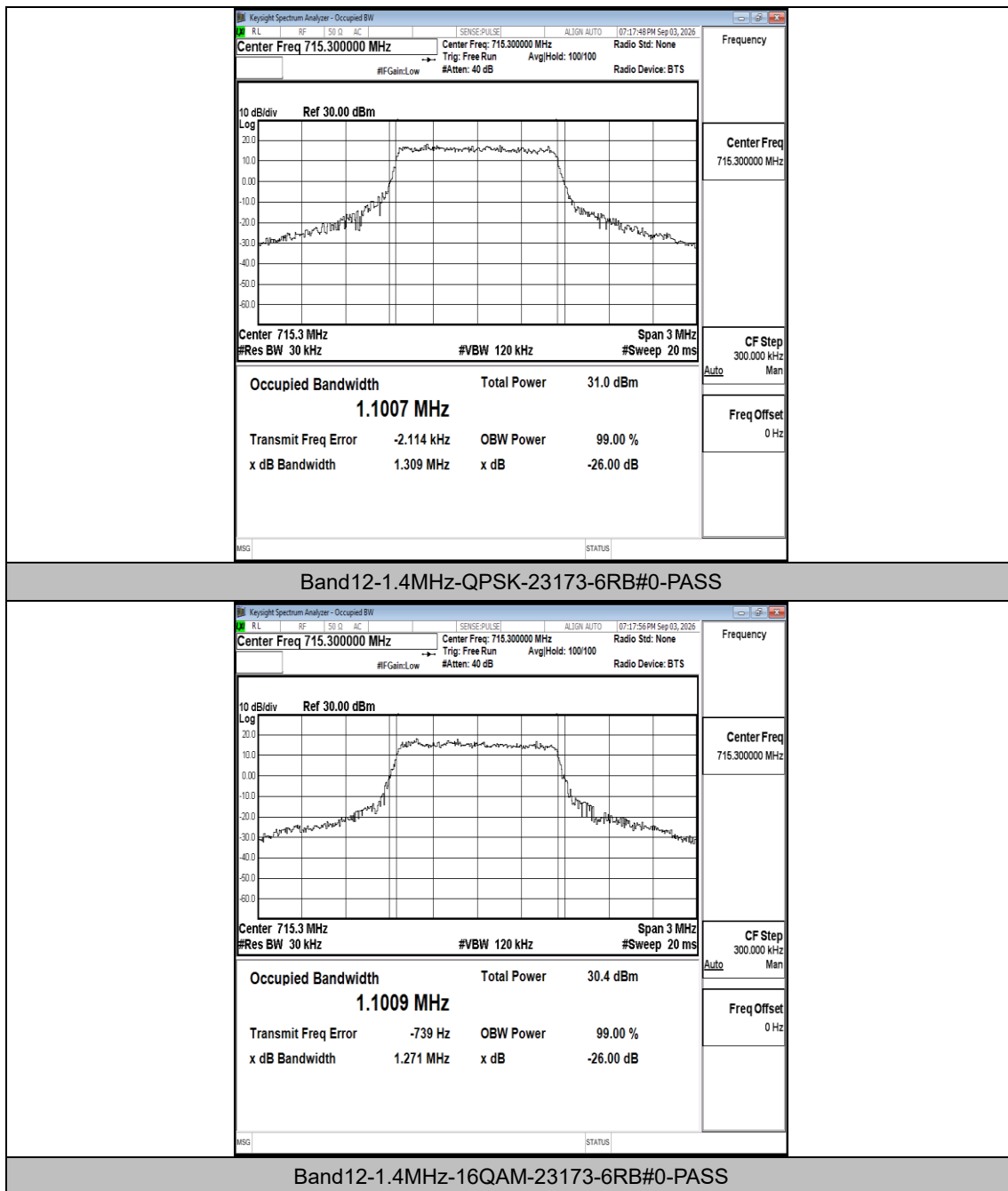
Test Result

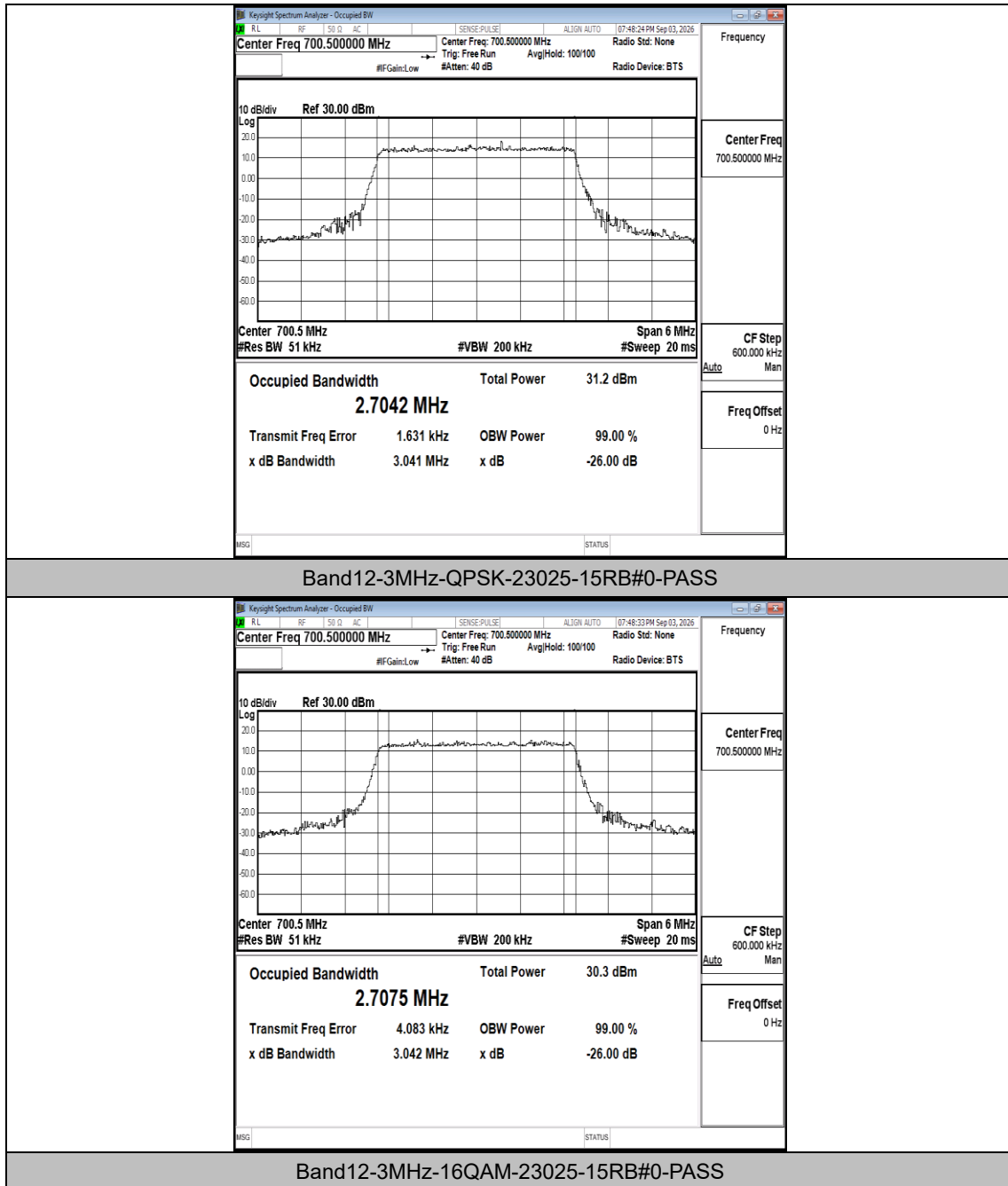
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0997	1.298	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1003	1.297	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.1004	1.302	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0986	1.286	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.1007	1.309	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1009	1.271	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7042	3.041	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7075	3.042	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7141	3.010	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7111	3.035	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7130	3.022	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7115	3.012	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5209	5.285	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5032	5.204	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5272	5.275	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5234	5.352	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5137	5.265	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4932	5.231	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9997	9.964	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9911	10.16	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0054	9.993	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0048	10.04	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9747	10.01	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9677	9.855	PASS

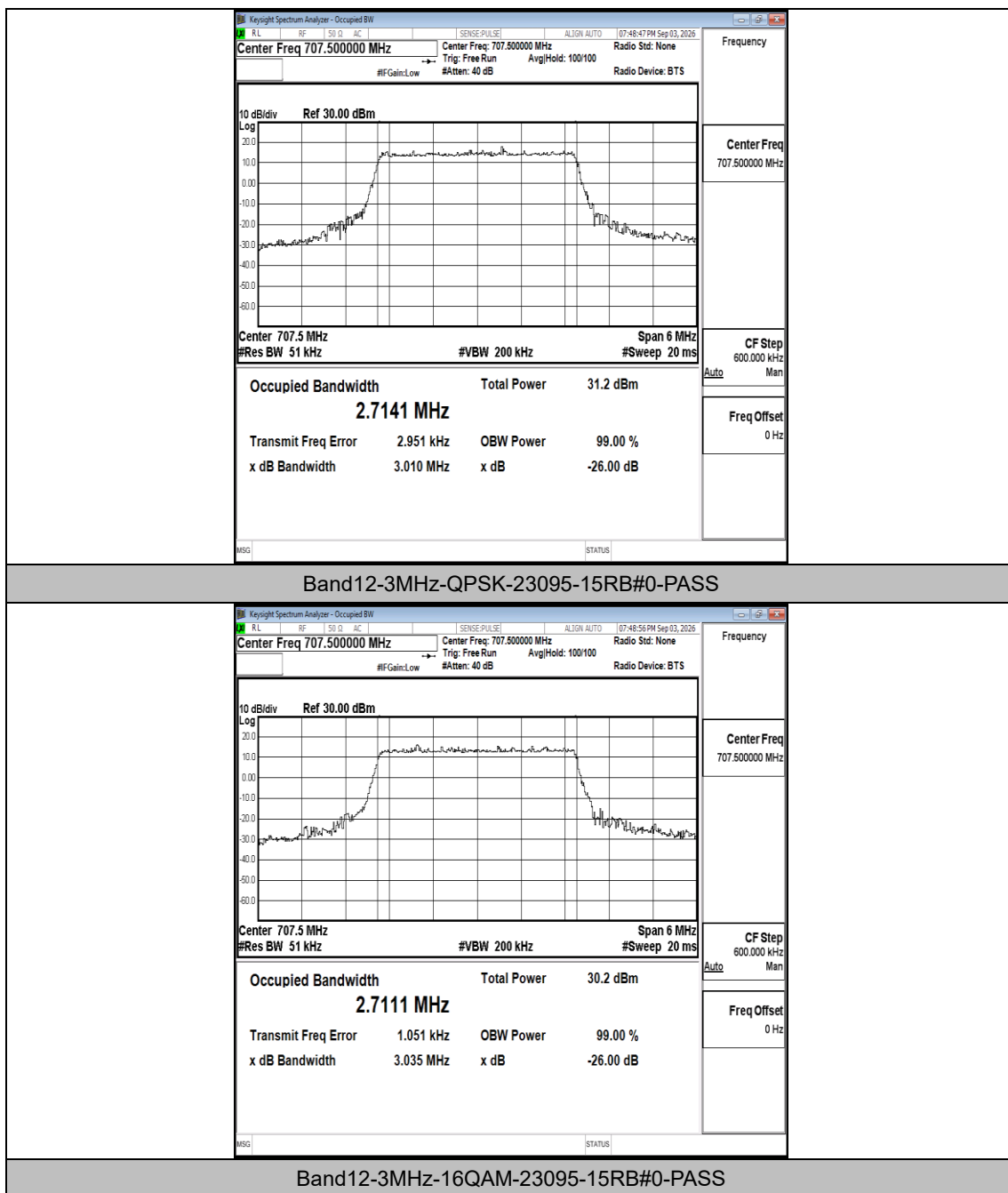
Test Graphs

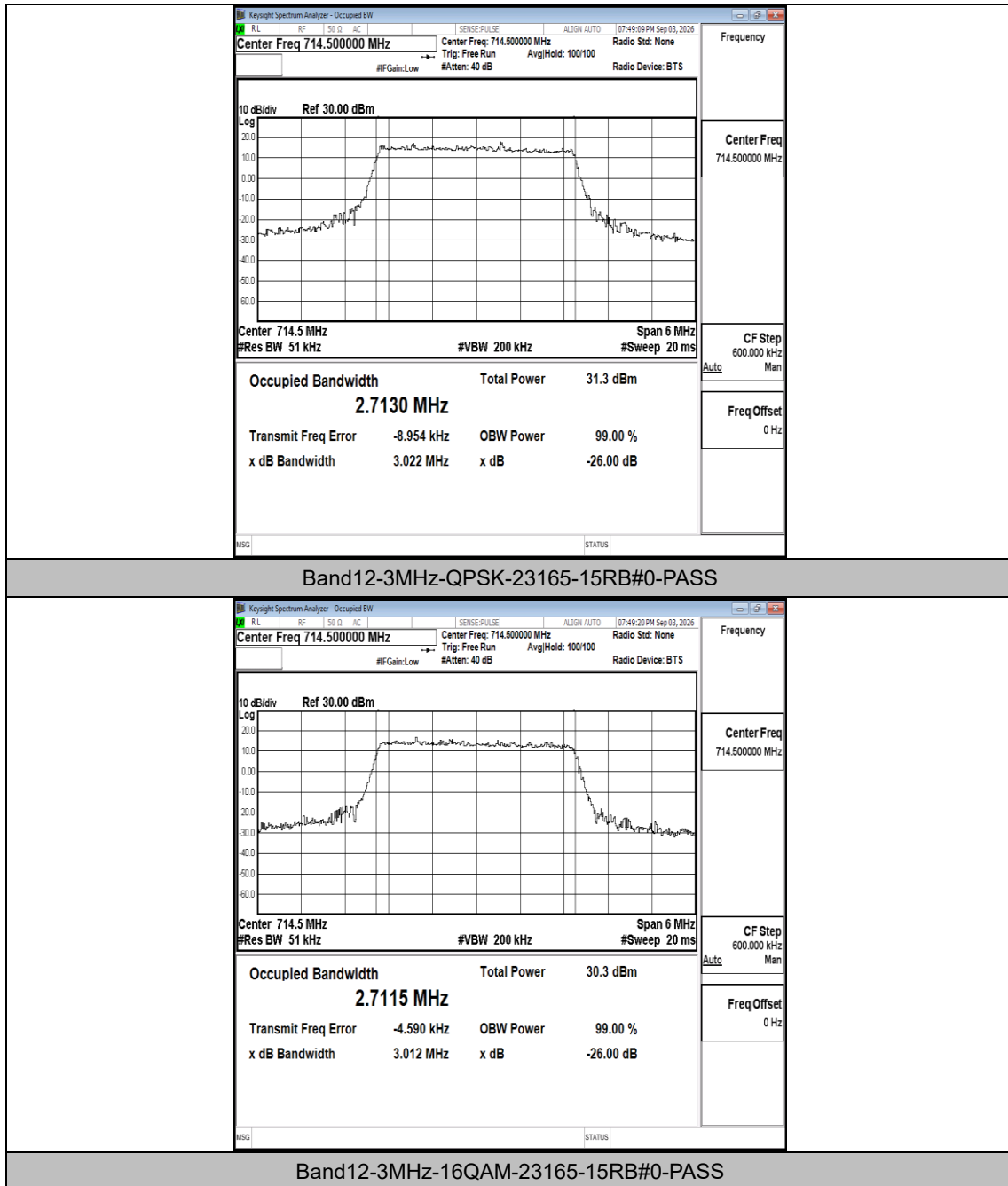


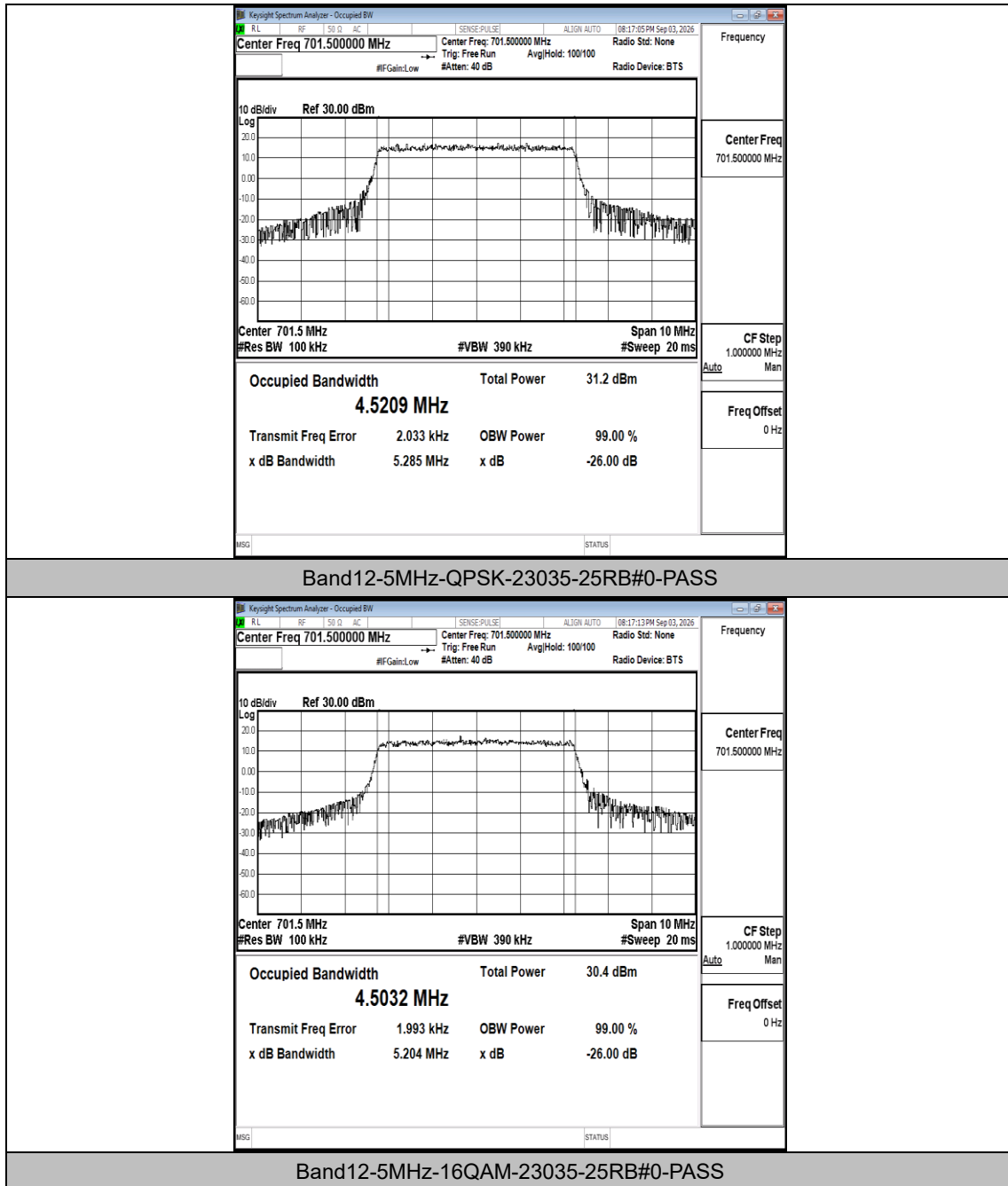


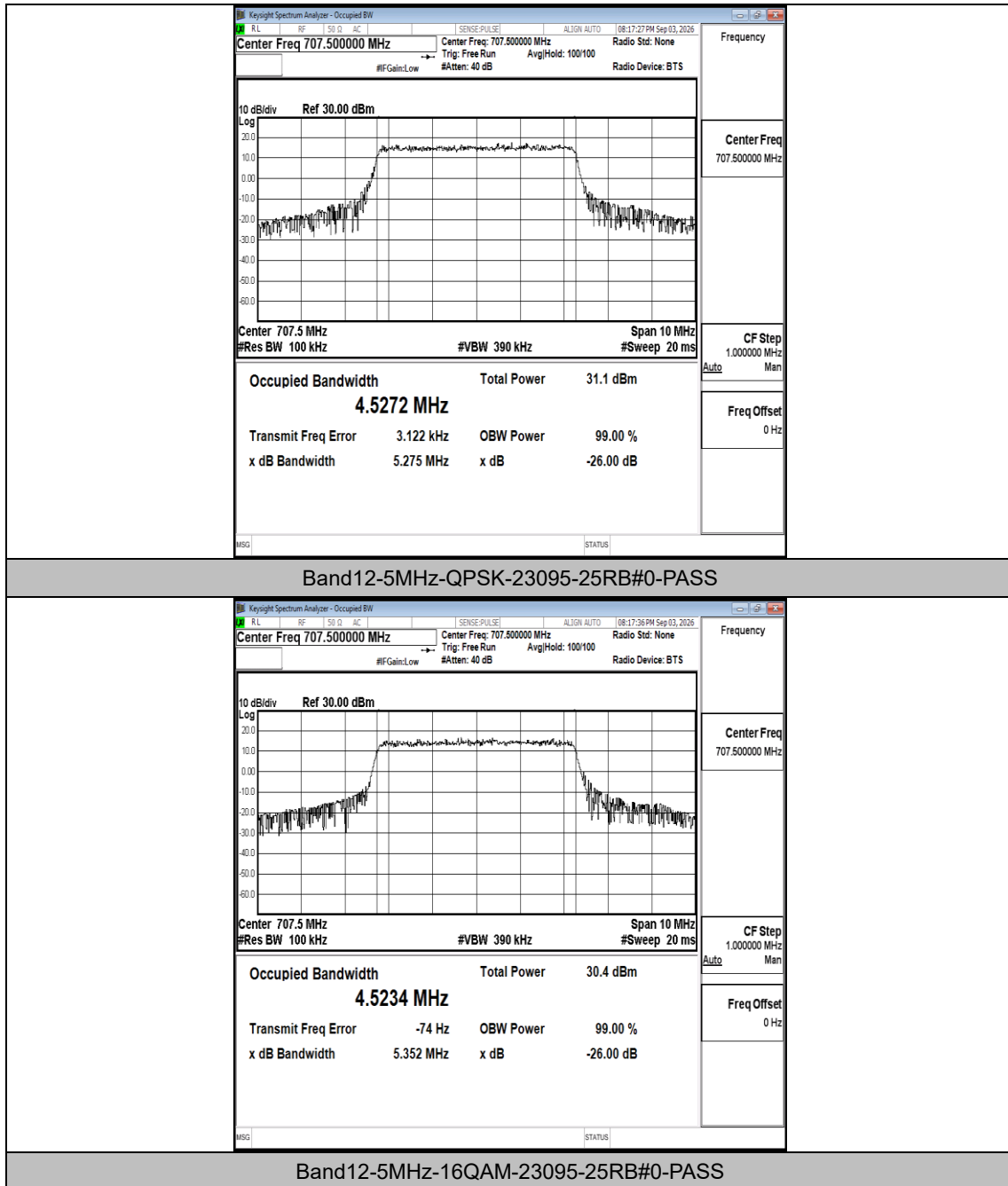


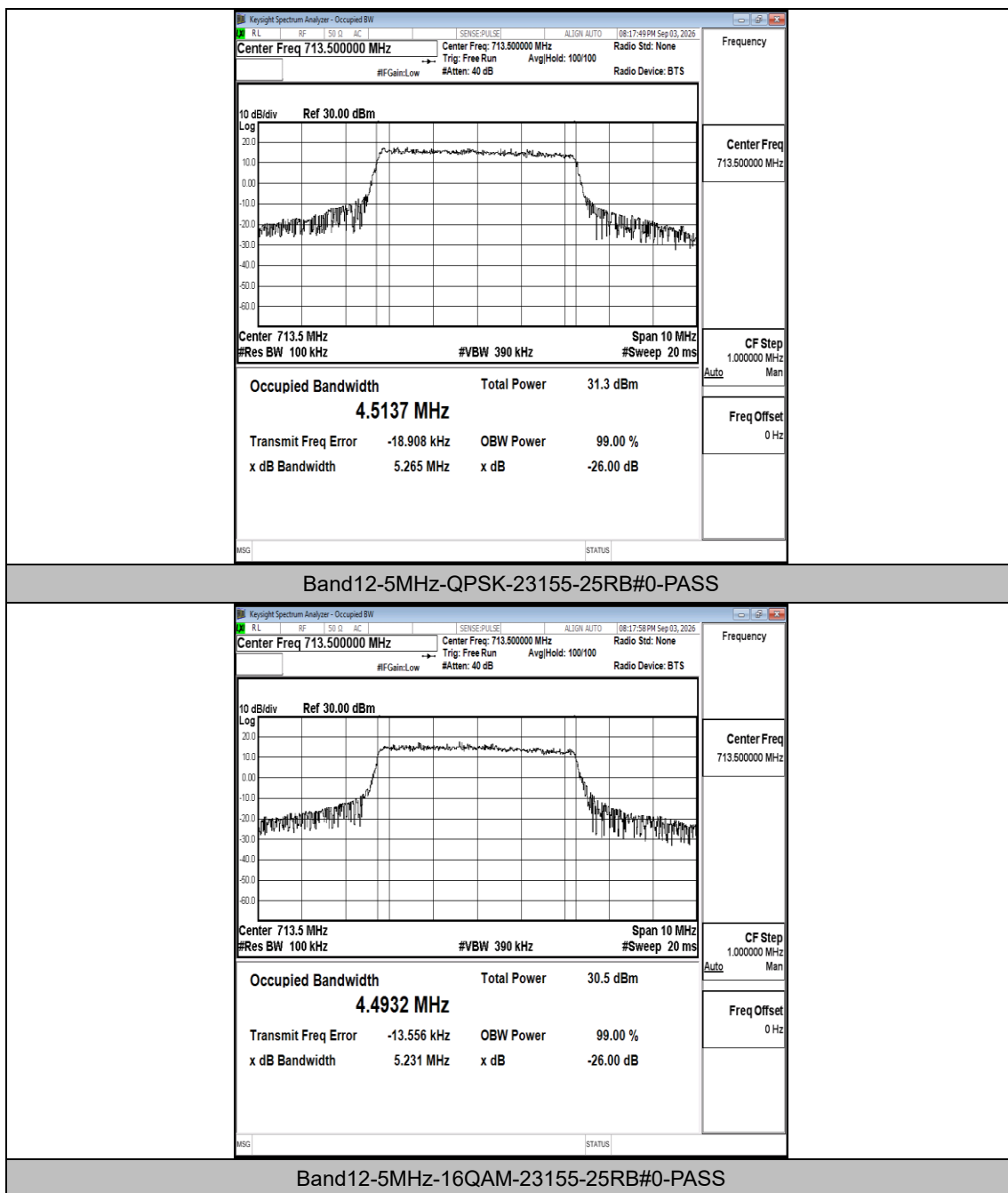


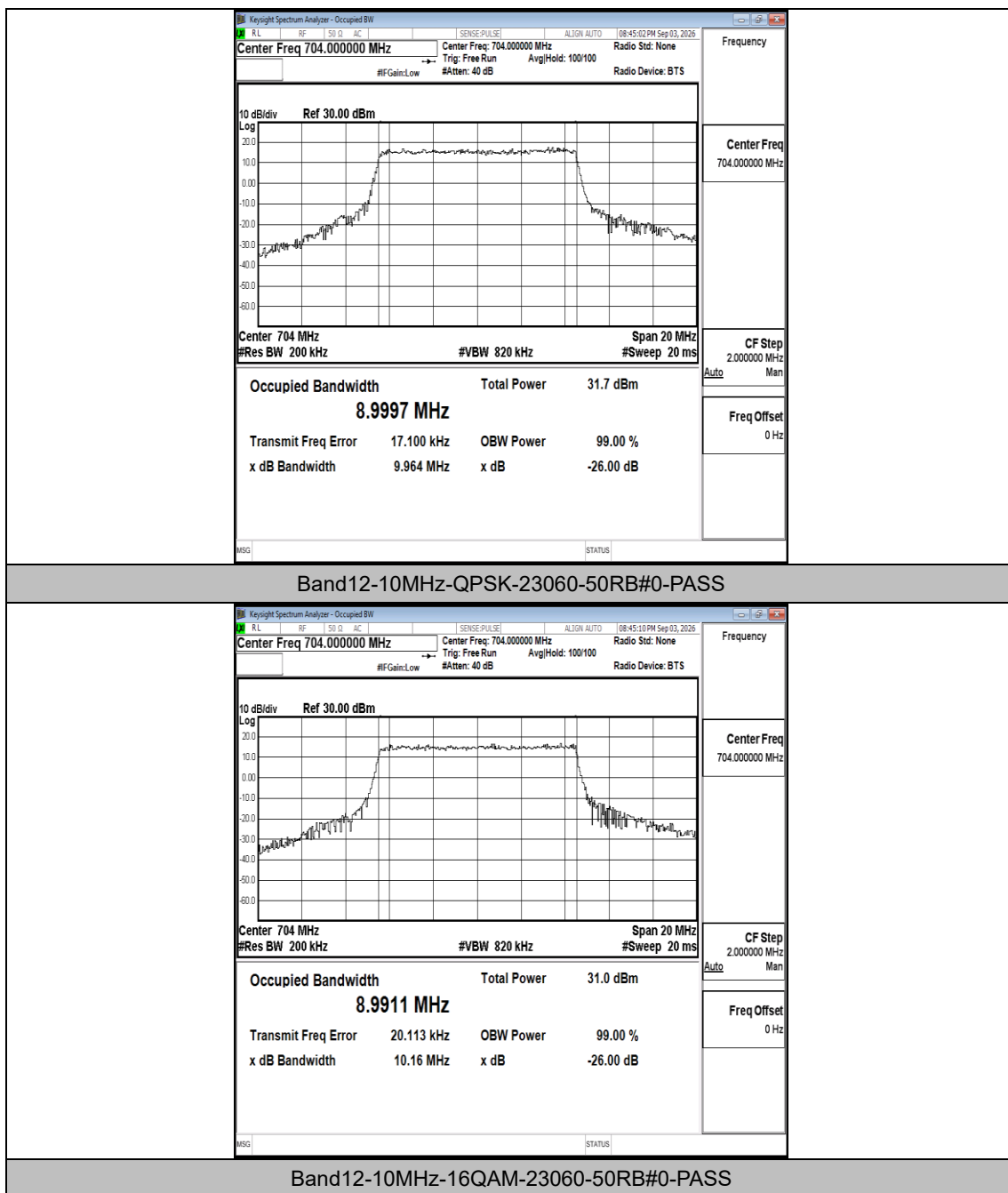


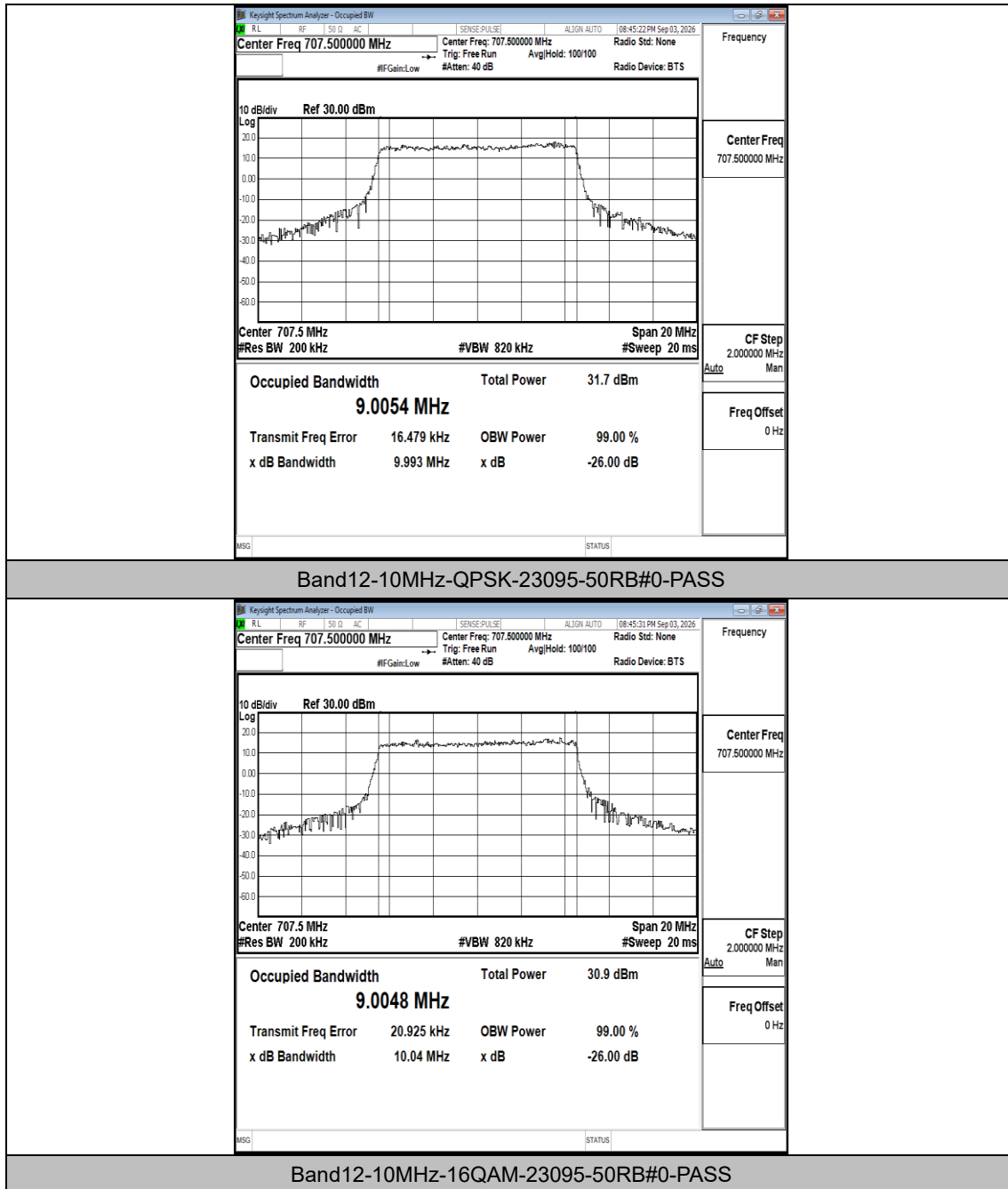


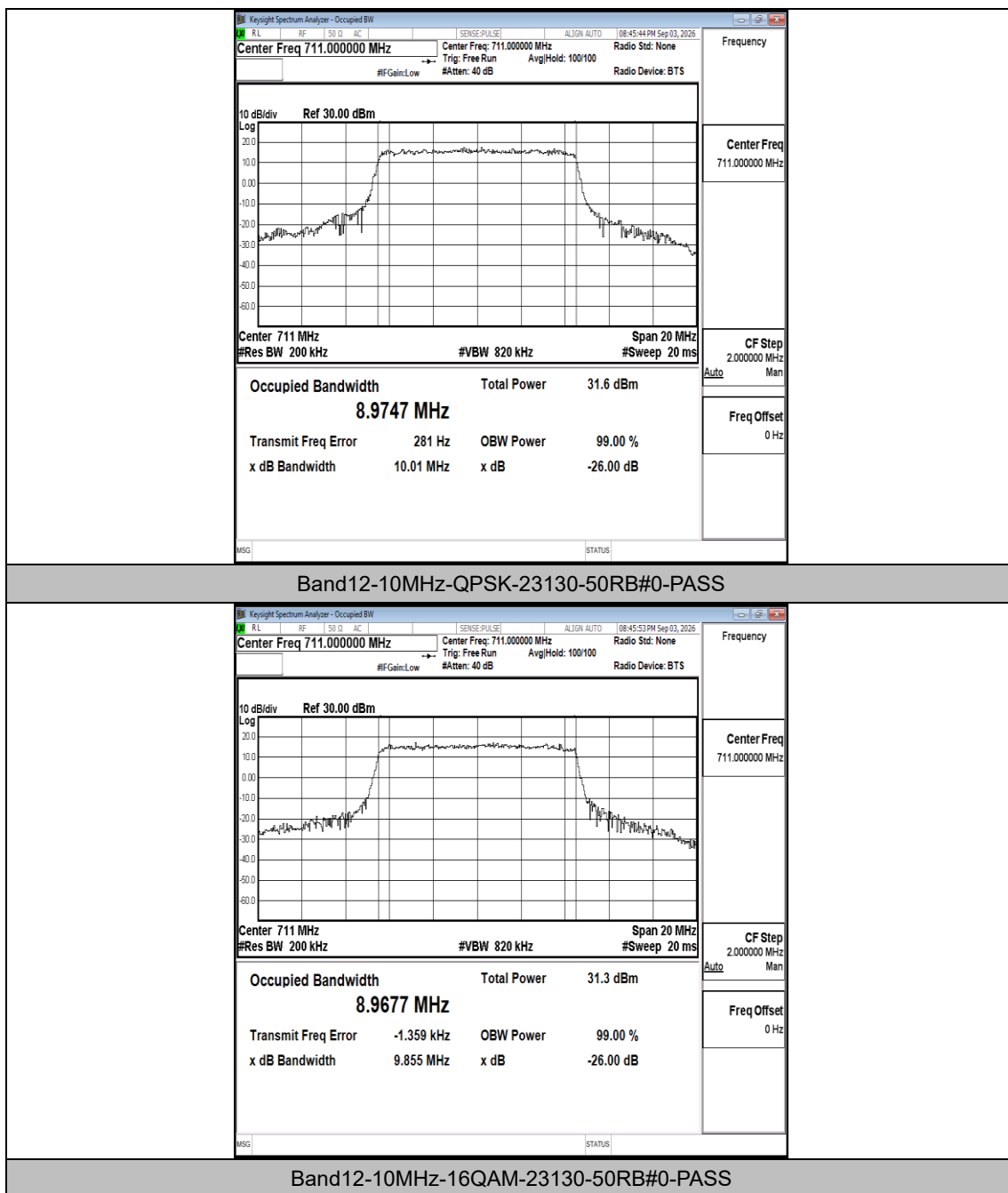












J.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-29.86	16.86	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-30.63	17.63	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-27.37	14.37	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-29.64	16.64	PASS
Band12	3MHz	QPSK	23025	15RB#0	-29.10	16.10	PASS
Band12	3MHz	16QAM	23025	15RB#0	-30.00	17.00	PASS
Band12	3MHz	QPSK	23165	15RB#0	-30.03	17.03	PASS
Band12	3MHz	16QAM	23165	15RB#0	-30.57	17.57	PASS
Band12	5MHz	QPSK	23035	25RB#0	-36.55	23.55	PASS
Band12	5MHz	16QAM	23035	25RB#0	-37.36	24.36	PASS
Band12	5MHz	QPSK	23155	25RB#0	-37.91	24.91	PASS
Band12	5MHz	16QAM	23155	25RB#0	-39.13	26.13	PASS
Band12	10MHz	QPSK	23060	50RB#0	-39.10	26.10	PASS
Band12	10MHz	16QAM	23060	50RB#0	-39.95	26.95	PASS
Band12	10MHz	QPSK	23130	50RB#0	-39.44	26.44	PASS
Band12	10MHz	16QAM	23130	50RB#0	-40.47	27.47	PASS

Test Graphs

