

Appendix K: Test Data for E-UTRA Band 7

Product Name: Smart Phone

Test Model: ULTRA S26

Environmental Conditions

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

K.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	24.07	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.93	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.86	PASS
Band7	5MHz	QPSK	20775	12RB#0	23.69	PASS
Band7	5MHz	QPSK	20775	12RB#6	23.73	PASS
Band7	5MHz	QPSK	20775	12RB#13	23.68	PASS
Band7	5MHz	QPSK	20775	25RB#0	23.81	PASS
Band7	5MHz	16QAM	20775	1RB#0	23.64	PASS
Band7	5MHz	16QAM	20775	1RB#12	24.29	PASS
Band7	5MHz	16QAM	20775	1RB#24	23.71	PASS
Band7	5MHz	16QAM	20775	12RB#0	22.20	PASS
Band7	5MHz	16QAM	20775	12RB#6	22.28	PASS
Band7	5MHz	16QAM	20775	12RB#13	22.26	PASS
Band7	5MHz	16QAM	20775	25RB#0	22.18	PASS
Band7	5MHz	QPSK	21100	1RB#0	24.47	PASS
Band7	5MHz	QPSK	21100	1RB#12	24.63	PASS
Band7	5MHz	QPSK	21100	1RB#24	24.47	PASS
Band7	5MHz	QPSK	21100	12RB#0	24.18	PASS
Band7	5MHz	QPSK	21100	12RB#6	24.02	PASS
Band7	5MHz	QPSK	21100	12RB#13	24.10	PASS
Band7	5MHz	QPSK	21100	25RB#0	24.18	PASS
Band7	5MHz	16QAM	21100	1RB#0	23.98	PASS
Band7	5MHz	16QAM	21100	1RB#12	23.77	PASS
Band7	5MHz	16QAM	21100	1RB#24	23.72	PASS
Band7	5MHz	16QAM	21100	12RB#0	22.71	PASS
Band7	5MHz	16QAM	21100	12RB#6	22.50	PASS
Band7	5MHz	16QAM	21100	12RB#13	22.71	PASS
Band7	5MHz	16QAM	21100	25RB#0	22.70	PASS
Band7	5MHz	QPSK	21425	1RB#0	24.44	PASS
Band7	5MHz	QPSK	21425	1RB#12	24.18	PASS
Band7	5MHz	QPSK	21425	1RB#24	24.35	PASS
Band7	5MHz	QPSK	21425	12RB#0	24.10	PASS
Band7	5MHz	QPSK	21425	12RB#6	24.05	PASS
Band7	5MHz	QPSK	21425	12RB#13	24.16	PASS
Band7	5MHz	QPSK	21425	25RB#0	24.04	PASS

Band7	5MHz	16QAM	21425	1RB#0	23.48	PASS
Band7	5MHz	16QAM	21425	1RB#12	23.86	PASS
Band7	5MHz	16QAM	21425	1RB#24	23.51	PASS
Band7	5MHz	16QAM	21425	12RB#0	22.51	PASS
Band7	5MHz	16QAM	21425	12RB#6	22.47	PASS
Band7	5MHz	16QAM	21425	12RB#13	22.60	PASS
Band7	5MHz	16QAM	21425	25RB#0	22.63	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.93	PASS
Band7	10MHz	QPSK	20800	1RB#24	24.13	PASS
Band7	10MHz	QPSK	20800	1RB#49	24.02	PASS
Band7	10MHz	QPSK	20800	25RB#0	23.71	PASS
Band7	10MHz	QPSK	20800	25RB#12	23.71	PASS
Band7	10MHz	QPSK	20800	25RB#25	23.74	PASS
Band7	10MHz	QPSK	20800	50RB#0	23.78	PASS
Band7	10MHz	16QAM	20800	1RB#0	23.32	PASS
Band7	10MHz	16QAM	20800	1RB#24	24.27	PASS
Band7	10MHz	16QAM	20800	1RB#49	23.39	PASS
Band7	10MHz	16QAM	20800	25RB#0	22.36	PASS
Band7	10MHz	16QAM	20800	25RB#12	22.34	PASS
Band7	10MHz	16QAM	20800	25RB#25	22.45	PASS
Band7	10MHz	16QAM	20800	50RB#0	22.29	PASS
Band7	10MHz	QPSK	21100	1RB#0	24.47	PASS
Band7	10MHz	QPSK	21100	1RB#24	24.35	PASS
Band7	10MHz	QPSK	21100	1RB#49	24.51	PASS
Band7	10MHz	QPSK	21100	25RB#0	24.07	PASS
Band7	10MHz	QPSK	21100	25RB#12	24.13	PASS
Band7	10MHz	QPSK	21100	25RB#25	24.10	PASS
Band7	10MHz	QPSK	21100	50RB#0	24.15	PASS
Band7	10MHz	16QAM	21100	1RB#0	23.88	PASS
Band7	10MHz	16QAM	21100	1RB#24	24.25	PASS
Band7	10MHz	16QAM	21100	1RB#49	23.93	PASS
Band7	10MHz	16QAM	21100	25RB#0	22.67	PASS
Band7	10MHz	16QAM	21100	25RB#12	22.61	PASS
Band7	10MHz	16QAM	21100	25RB#25	22.69	PASS
Band7	10MHz	16QAM	21100	50RB#0	22.65	PASS
Band7	10MHz	QPSK	21400	1RB#0	24.31	PASS
Band7	10MHz	QPSK	21400	1RB#24	24.67	PASS
Band7	10MHz	QPSK	21400	1RB#49	24.28	PASS
Band7	10MHz	QPSK	21400	25RB#0	24.08	PASS
Band7	10MHz	QPSK	21400	25RB#12	24.18	PASS
Band7	10MHz	QPSK	21400	25RB#25	24.02	PASS

Band7	10MHz	QPSK	21400	50RB#0	24.07	PASS
Band7	10MHz	16QAM	21400	1RB#0	24.07	PASS
Band7	10MHz	16QAM	21400	1RB#24	25.15	PASS
Band7	10MHz	16QAM	21400	1RB#49	24.07	PASS
Band7	10MHz	16QAM	21400	25RB#0	22.57	PASS
Band7	10MHz	16QAM	21400	25RB#12	22.48	PASS
Band7	10MHz	16QAM	21400	25RB#25	22.51	PASS
Band7	10MHz	16QAM	21400	50RB#0	22.61	PASS
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Band7	15MHz	QPSK	20825	1RB#74	23.96	PASS
Band7	15MHz	QPSK	20825	38RB#0	23.70	PASS
Band7	15MHz	QPSK	20825	38RB#18	23.73	PASS
Band7	15MHz	QPSK	20825	38RB#37	23.78	PASS
Band7	15MHz	QPSK	20825	75RB#0	23.71	PASS
Band7	15MHz	16QAM	20825	1RB#0	23.84	PASS
Band7	15MHz	16QAM	20825	1RB#38	25.05	PASS
Band7	15MHz	16QAM	20825	1RB#74	24.07	PASS
Band7	15MHz	16QAM	20825	38RB#0	22.28	PASS
Band7	15MHz	16QAM	20825	38RB#18	22.35	PASS
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Band7	15MHz	16QAM	20825	75RB#0	22.30	PASS
Band7	15MHz	QPSK	21100	1RB#0	24.36	PASS
Band7	15MHz	QPSK	21100	1RB#38	24.28	PASS
Band7	15MHz	QPSK	21100	1RB#74	24.51	PASS
Band7	15MHz	QPSK	21100	38RB#0	23.98	PASS
Band7	15MHz	QPSK	21100	38RB#18	24.09	PASS
Band7	15MHz	QPSK	21100	38RB#37	24.12	PASS
Band7	15MHz	QPSK	21100	75RB#0	24.03	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.92	PASS
Band7	15MHz	16QAM	21100	1RB#38	24.22	PASS
Band7	15MHz	16QAM	21100	1RB#74	24.72	PASS
Band7	15MHz	16QAM	21100	38RB#0	22.65	PASS
Band7	15MHz	16QAM	21100	38RB#18	22.62	PASS
Band7	15MHz	16QAM	21100	38RB#37	22.72	PASS
Band7	15MHz	16QAM	21100	75RB#0	22.54	PASS
Band7	15MHz	QPSK	21375	1RB#0	24.27	PASS
Band7	15MHz	QPSK	21375	1RB#38	24.53	PASS
Band7	15MHz	QPSK	21375	1RB#74	24.19	PASS
Band7	15MHz	QPSK	21375	38RB#0	24.05	PASS
Band7	15MHz	QPSK	21375	38RB#18	24.08	PASS

Band7	15MHz	QPSK	21375	38RB#37	24.14	PASS
Band7	15MHz	QPSK	21375	75RB#0	24.13	PASS
Band7	15MHz	16QAM	21375	1RB#0	23.95	PASS
Band7	15MHz	16QAM	21375	1RB#38	25.13	PASS
Band7	15MHz	16QAM	21375	1RB#74	24.00	PASS
Band7	15MHz	16QAM	21375	38RB#0	22.59	PASS
Band7	15MHz	16QAM	21375	38RB#18	22.68	PASS
Band7	15MHz	16QAM	21375	38RB#37	22.58	PASS
Band7	15MHz	16QAM	21375	75RB#0	22.62	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.93	PASS
Band7	20MHz	QPSK	20850	1RB#49	24.19	PASS
Band7	20MHz	QPSK	20850	1RB#99	24.15	PASS
Band7	20MHz	QPSK	20850	50RB#0	23.48	PASS
Band7	20MHz	QPSK	20850	50RB#25	23.68	PASS
Band7	20MHz	QPSK	20850	50RB#50	23.76	PASS
Band7	20MHz	QPSK	20850	100RB#0	23.60	PASS
Band7	20MHz	16QAM	20850	1RB#0	23.99	PASS
Band7	20MHz	16QAM	20850	1RB#49	24.14	PASS
Band7	20MHz	16QAM	20850	1RB#99	24.14	PASS
Band7	20MHz	16QAM	20850	50RB#0	22.14	PASS
Band7	20MHz	16QAM	20850	50RB#25	22.16	PASS
Band7	20MHz	16QAM	20850	50RB#50	22.23	PASS
Band7	20MHz	16QAM	20850	100RB#0	22.22	PASS
Band7	20MHz	QPSK	21100	1RB#0	24.18	PASS
Band7	20MHz	QPSK	21100	1RB#49	24.28	PASS
Band7	20MHz	QPSK	21100	1RB#99	24.18	PASS
Band7	20MHz	QPSK	21100	50RB#0	23.86	PASS
Band7	20MHz	QPSK	21100	50RB#25	23.83	PASS
Band7	20MHz	QPSK	21100	50RB#50	23.92	PASS
Band7	20MHz	QPSK	21100	100RB#0	23.82	PASS
Band7	20MHz	16QAM	21100	1RB#0	23.77	PASS
Band7	20MHz	16QAM	21100	1RB#49	24.06	PASS
Band7	20MHz	16QAM	21100	1RB#99	24.24	PASS
Band7	20MHz	16QAM	21100	50RB#0	22.63	PASS
Band7	20MHz	16QAM	21100	50RB#25	22.44	PASS
Band7	20MHz	16QAM	21100	50RB#50	22.68	PASS
Band7	20MHz	16QAM	21100	100RB#0	22.43	PASS
Band7	20MHz	QPSK	21350	1RB#0	24.11	PASS
Band7	20MHz	QPSK	21350	1RB#49	24.12	PASS
Band7	20MHz	QPSK	21350	1RB#99	24.20	PASS
Band7	20MHz	QPSK	21350	50RB#0	23.85	PASS

Band7	20MHz	QPSK	21350	50RB#25	23.90	PASS
Band7	20MHz	QPSK	21350	50RB#50	23.95	PASS
Band7	20MHz	QPSK	21350	100RB#0	23.90	PASS
Band7	20MHz	16QAM	21350	1RB#0	23.71	PASS
Band7	20MHz	16QAM	21350	1RB#49	23.62	PASS
Band7	20MHz	16QAM	21350	1RB#99	23.65	PASS
Band7	20MHz	16QAM	21350	50RB#0	22.48	PASS
Band7	20MHz	16QAM	21350	50RB#25	22.58	PASS
Band7	20MHz	16QAM	21350	50RB#50	22.56	PASS
Band7	20MHz	16QAM	21350	100RB#0	22.42	PASS

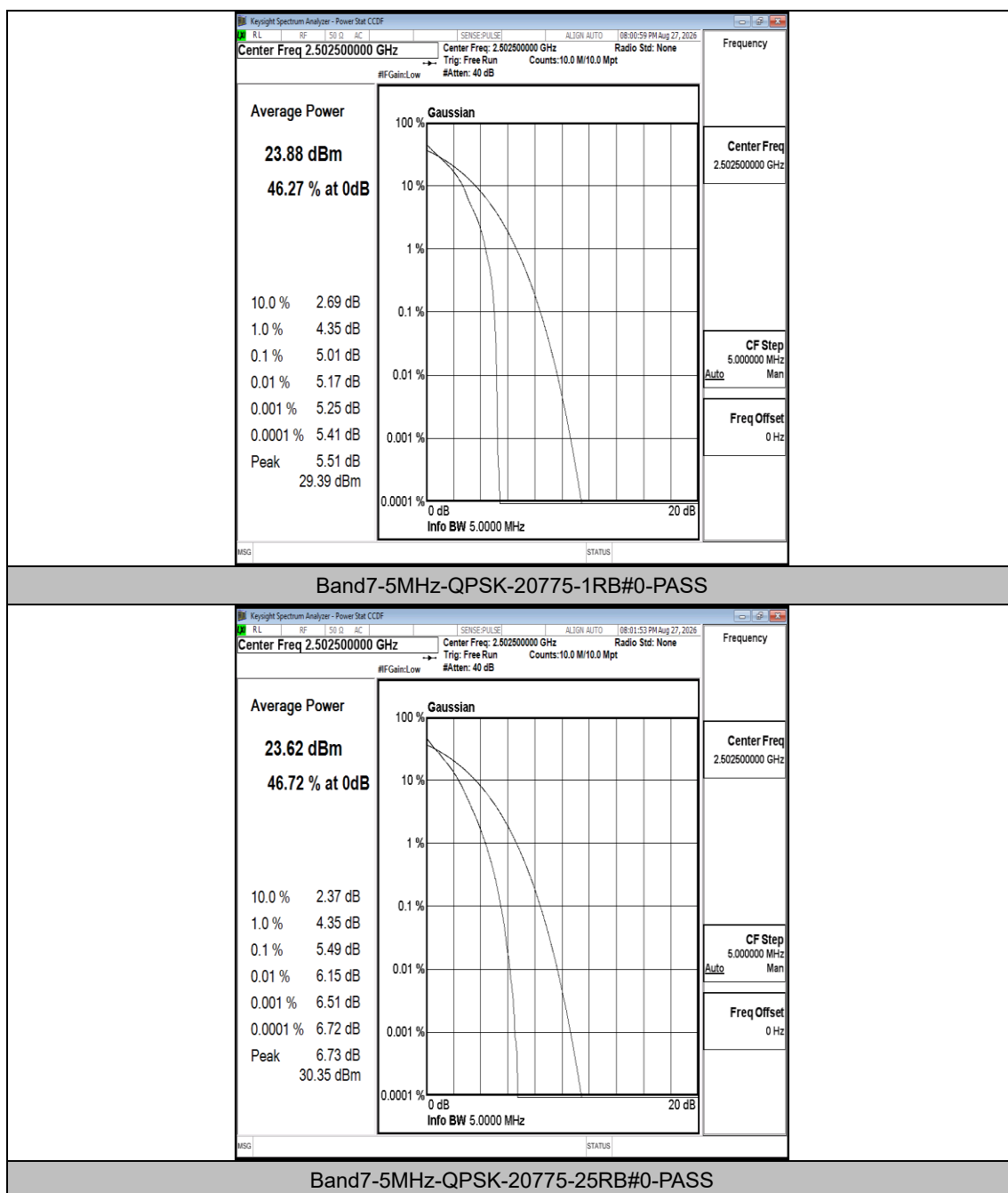
K.2 Peak-to-Average Ratio(CCDF)

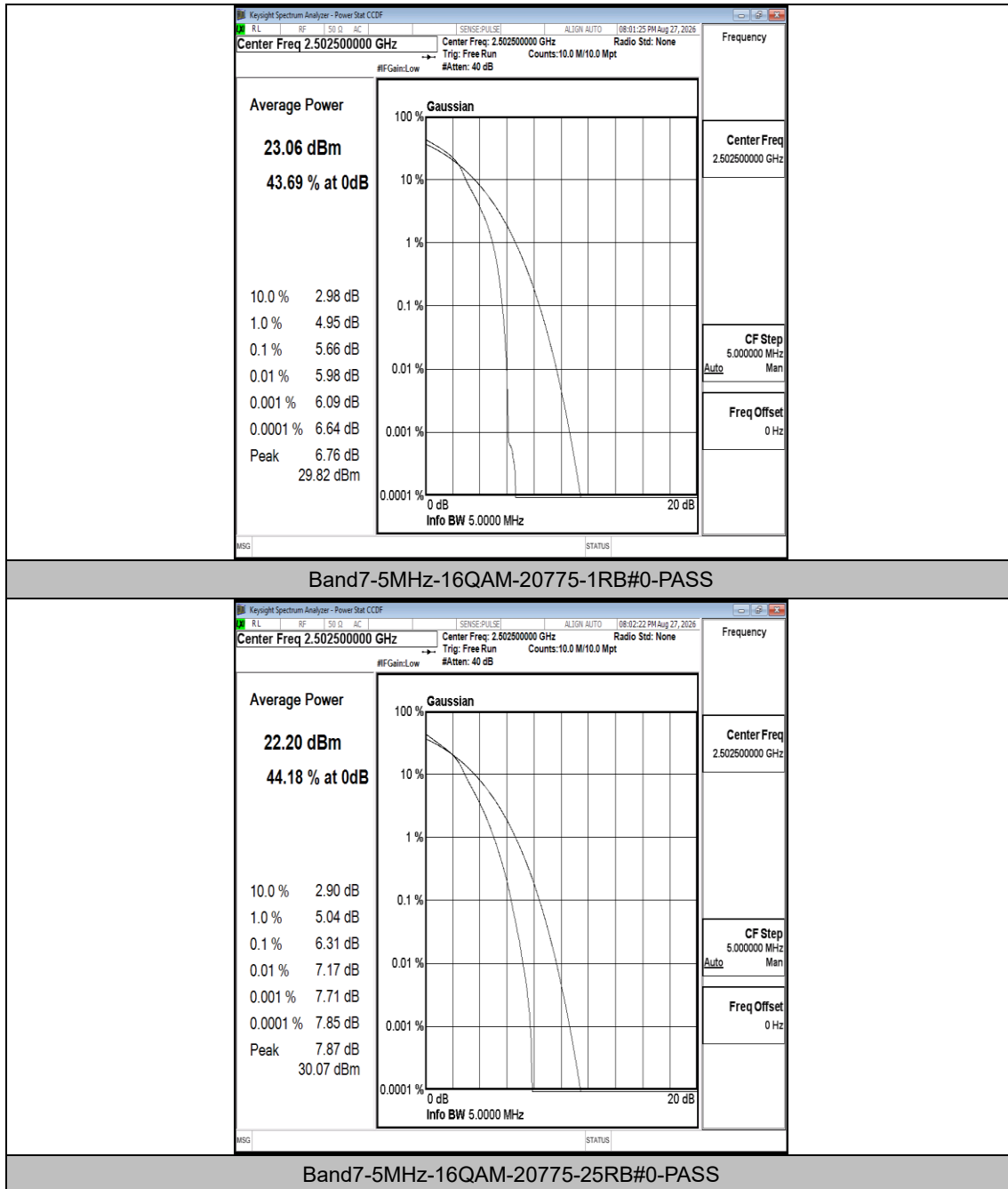
Test Result

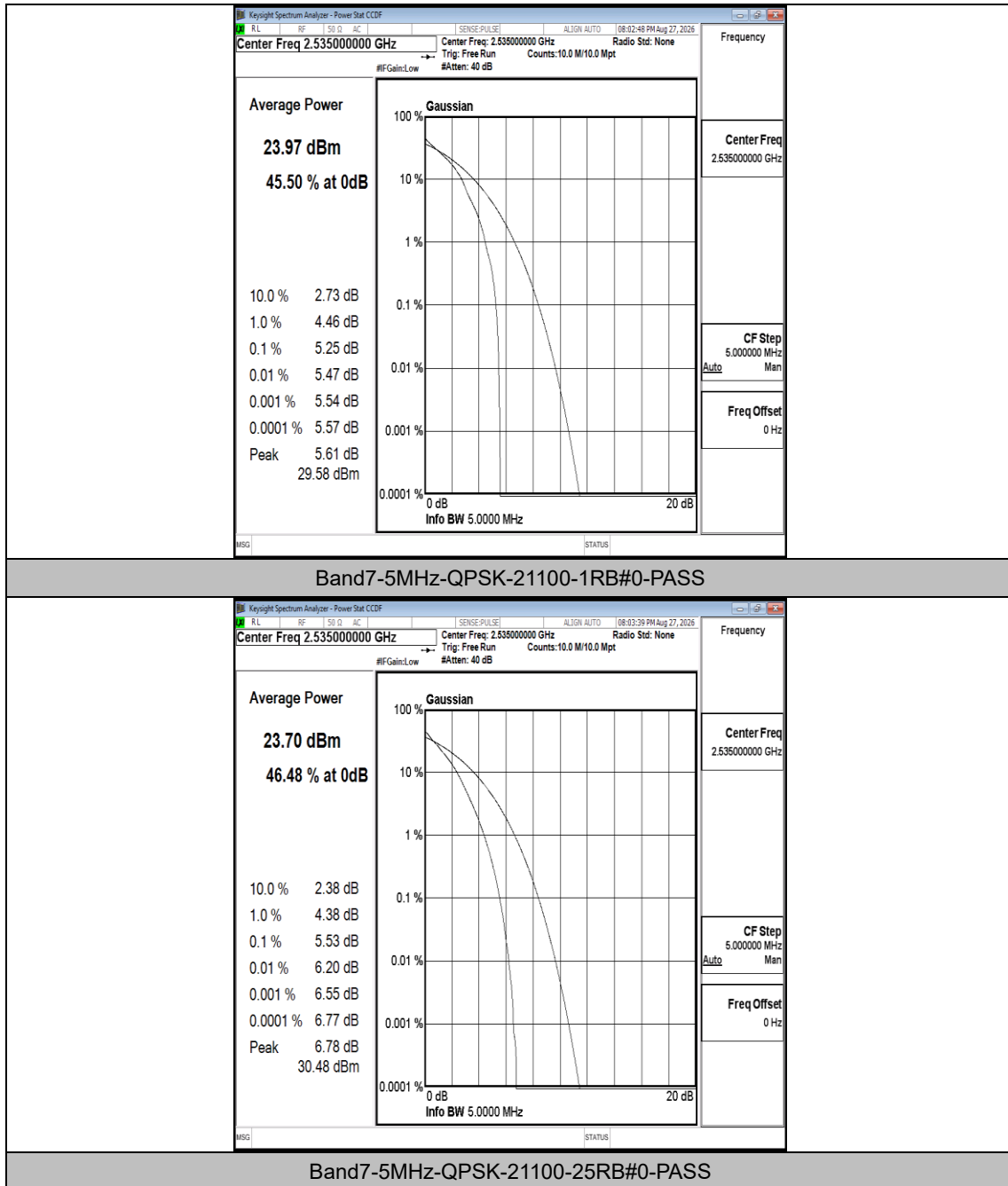
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	5.01	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.49	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.66	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.31	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.25	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.53	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.81	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.35	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	5.20	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.49	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.78	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.30	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.81	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.62	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.53	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.41	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.22	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.60	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.63	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.43	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	5.05	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.47	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.75	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.33	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	5.09	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.84	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.74	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.43	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.08	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.80	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.76	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.43	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	5.33	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.75	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	6.01	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.37	13	PASS

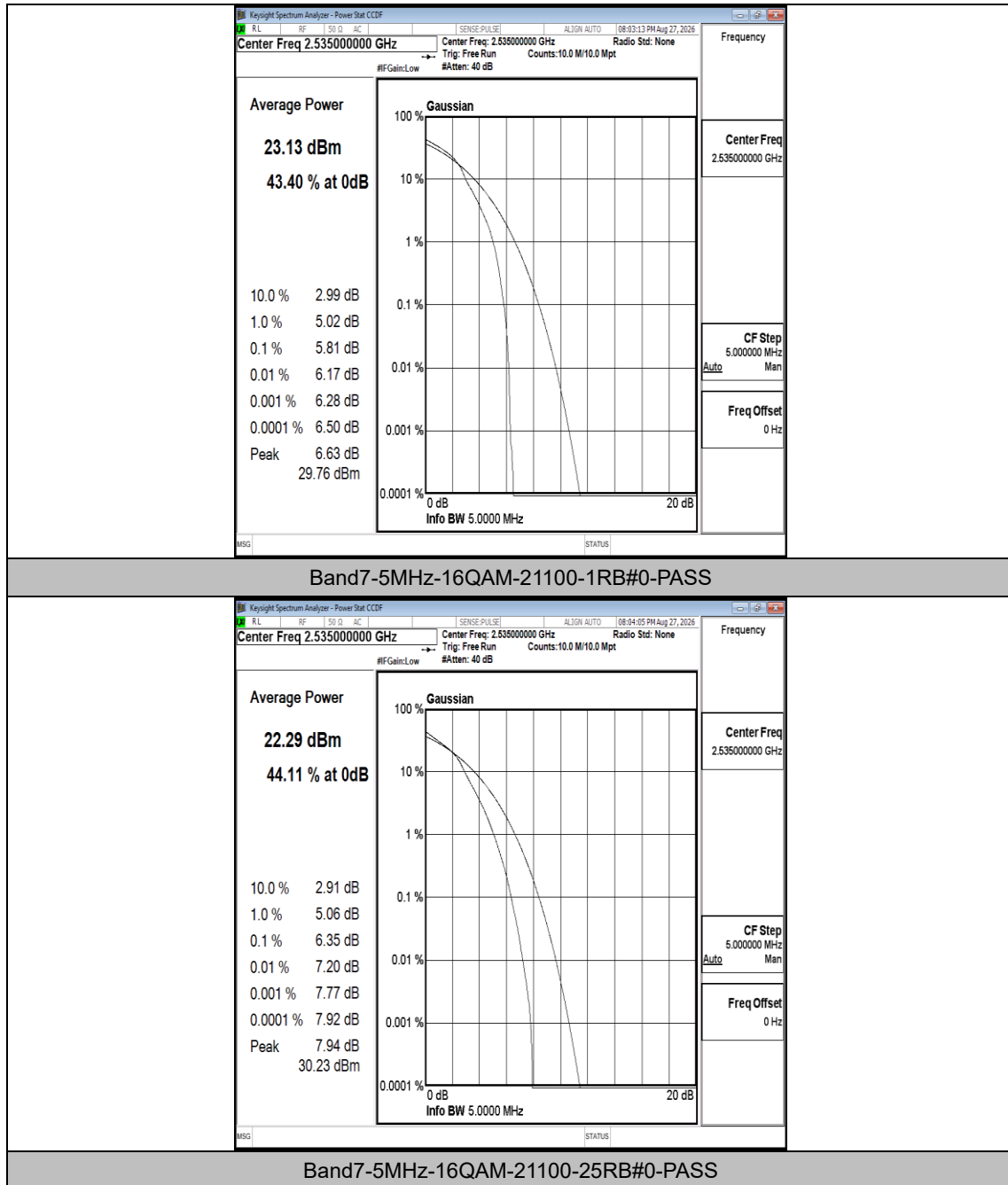
Band7	20MHz	QPSK	20850	1RB#0	5.01	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.56	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.43	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.43	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.91	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.56	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.56	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.42	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	5.30	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.50	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.68	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.36	13	PASS

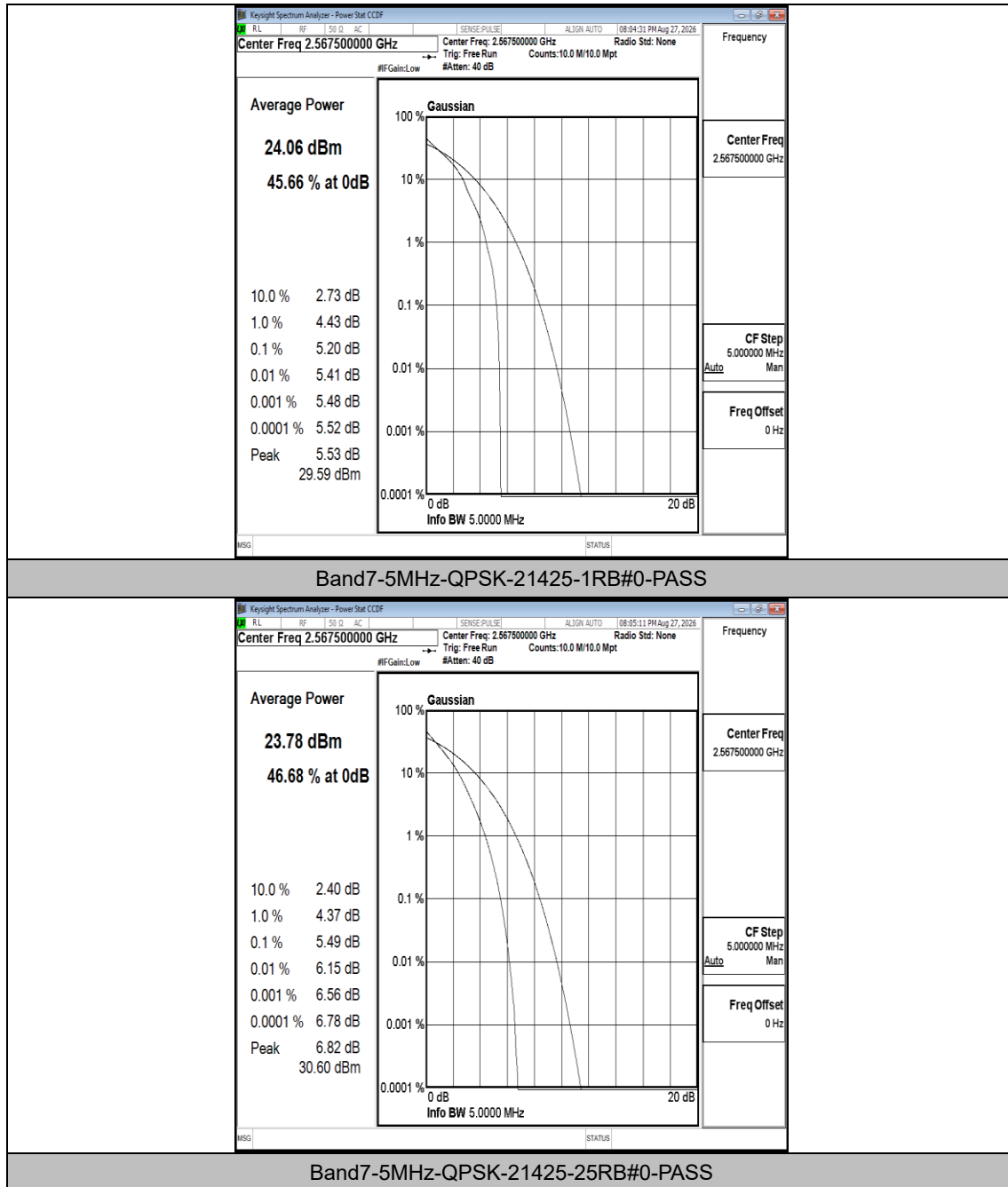
Test Graphs

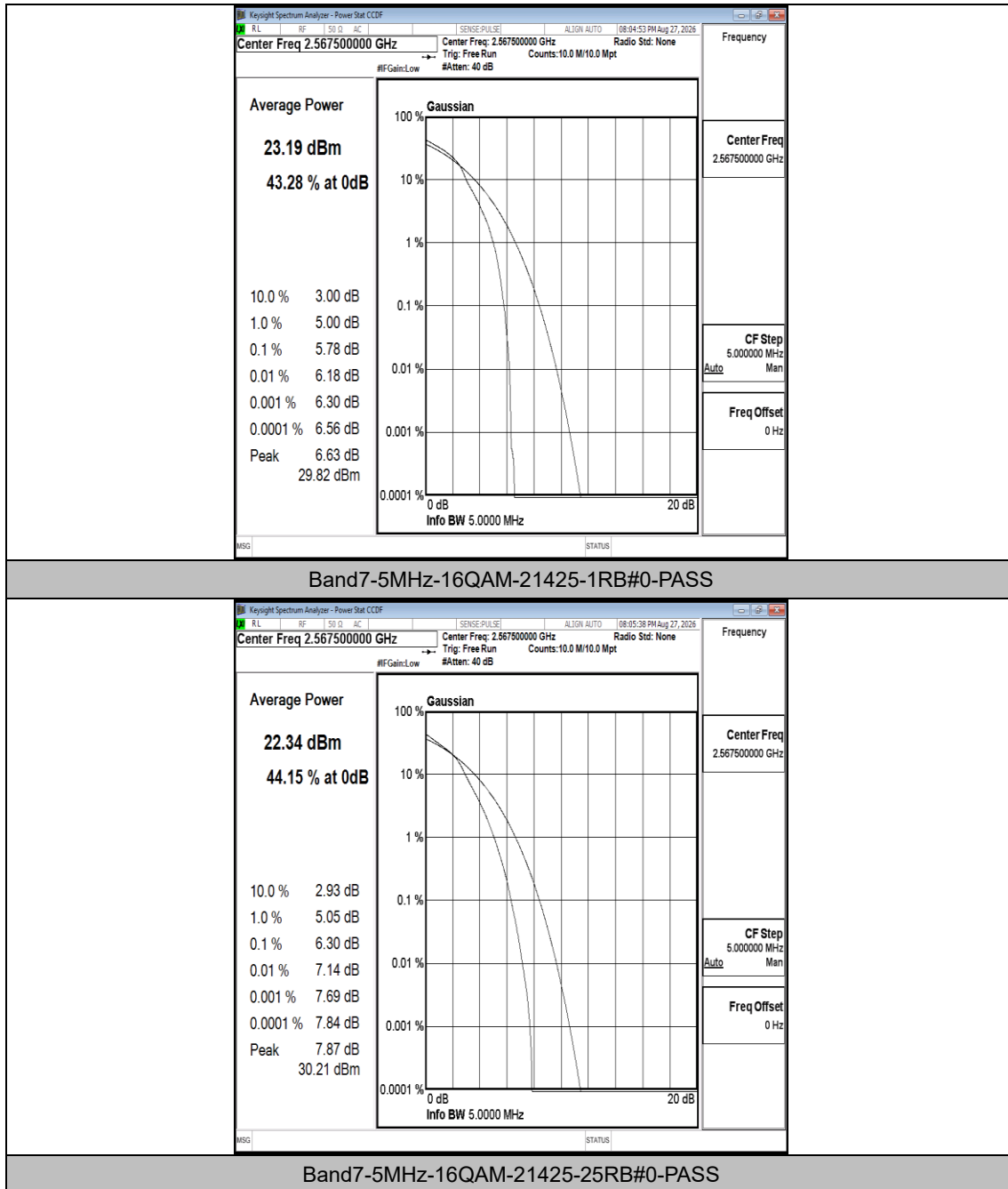


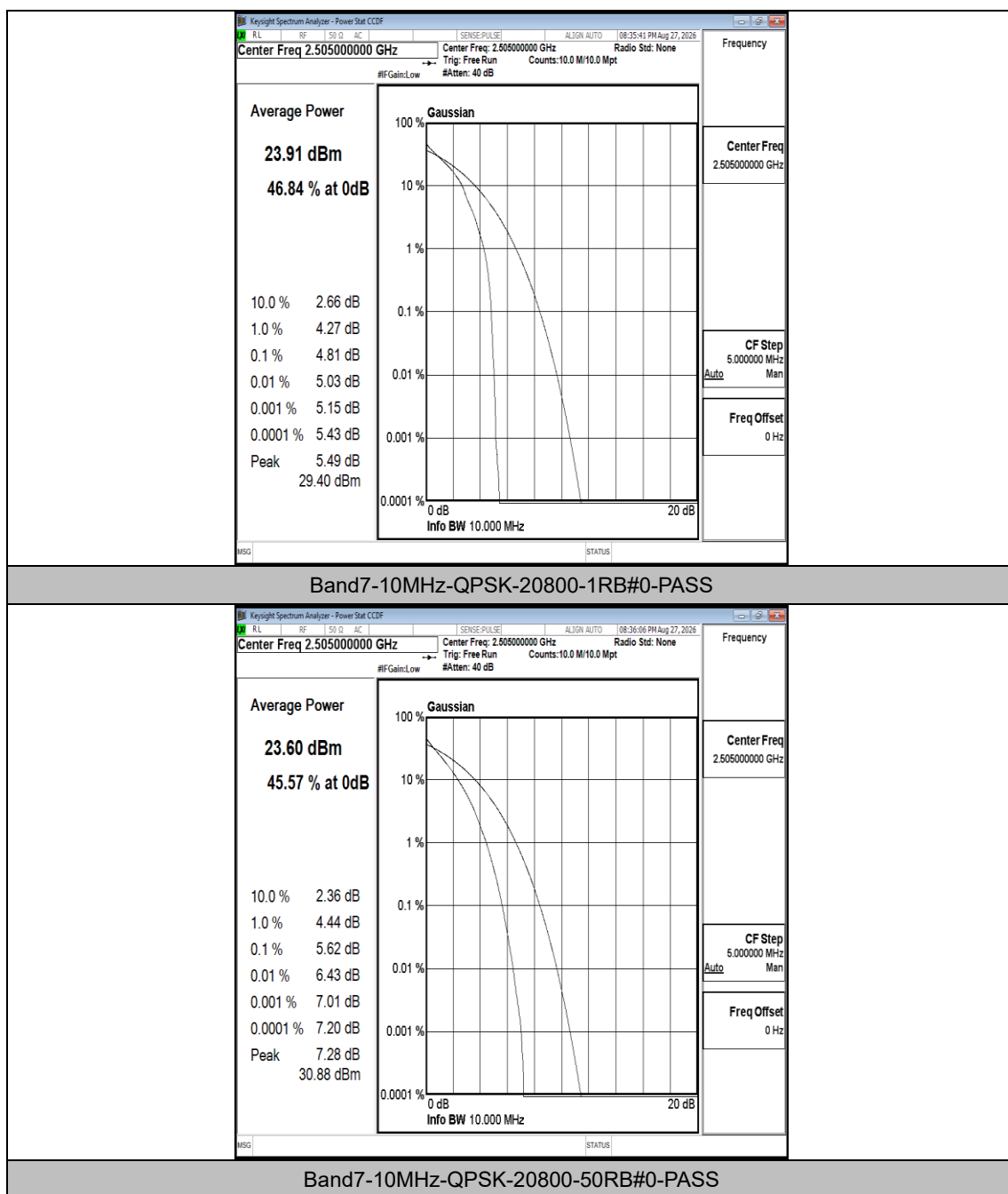


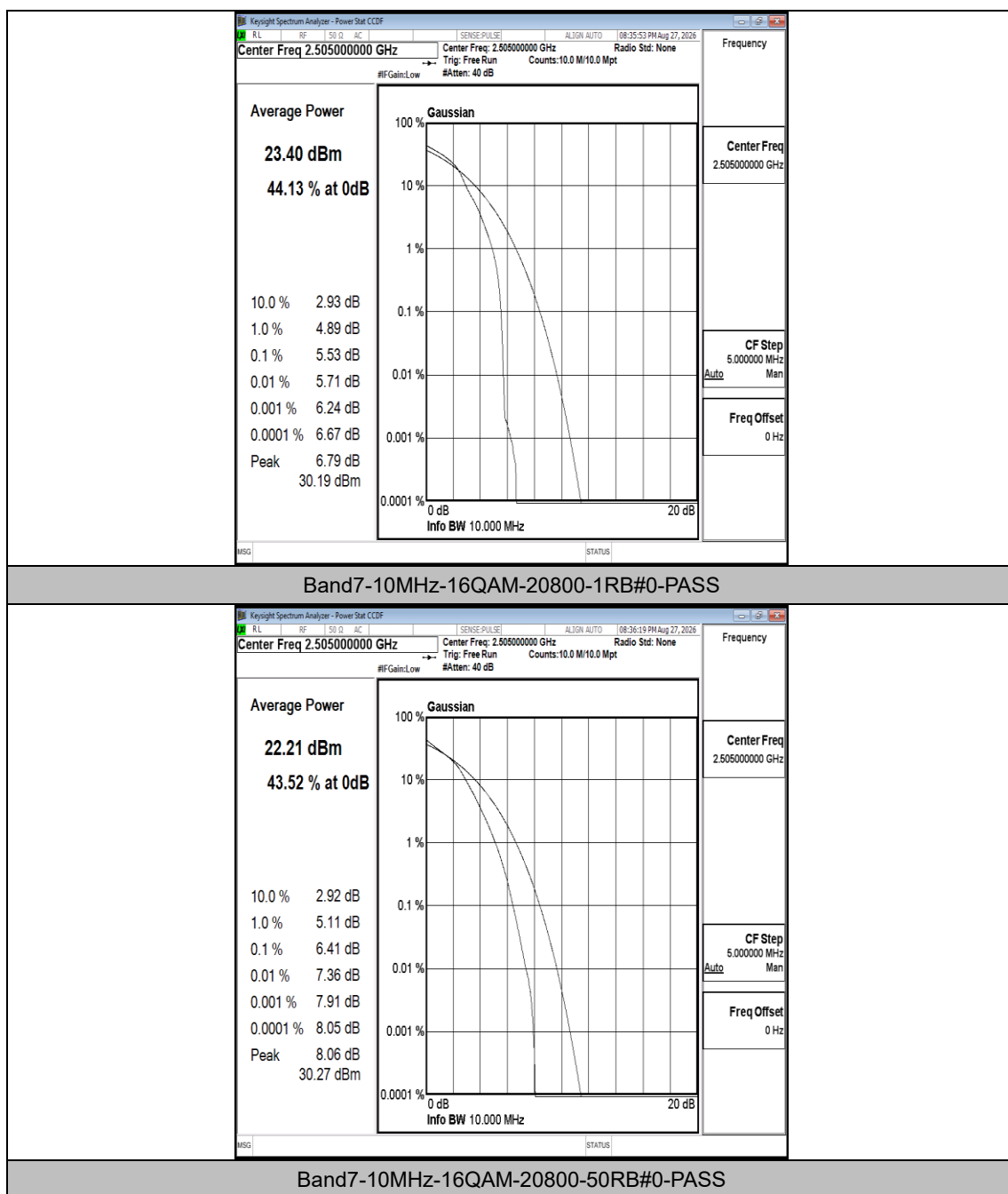


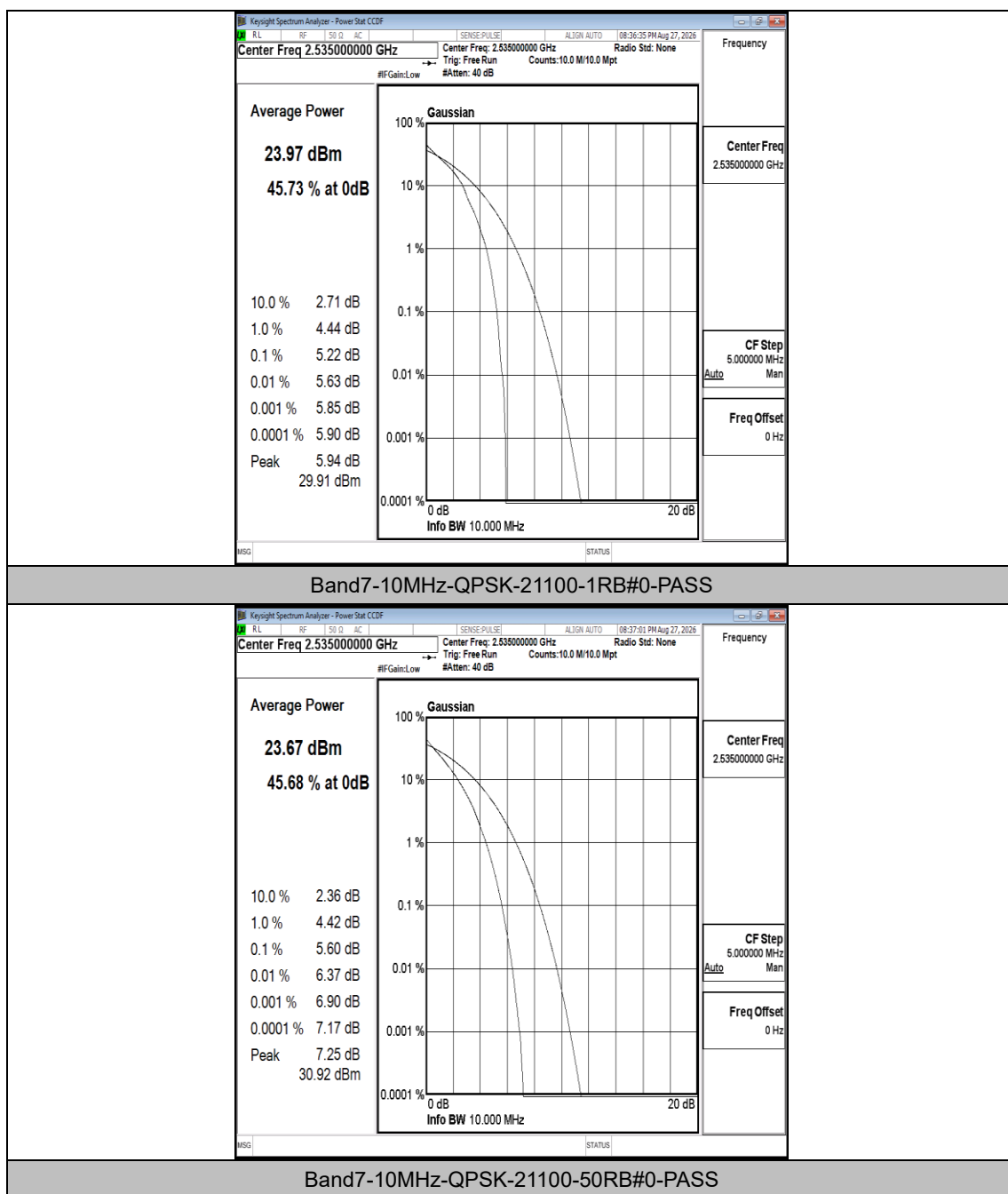


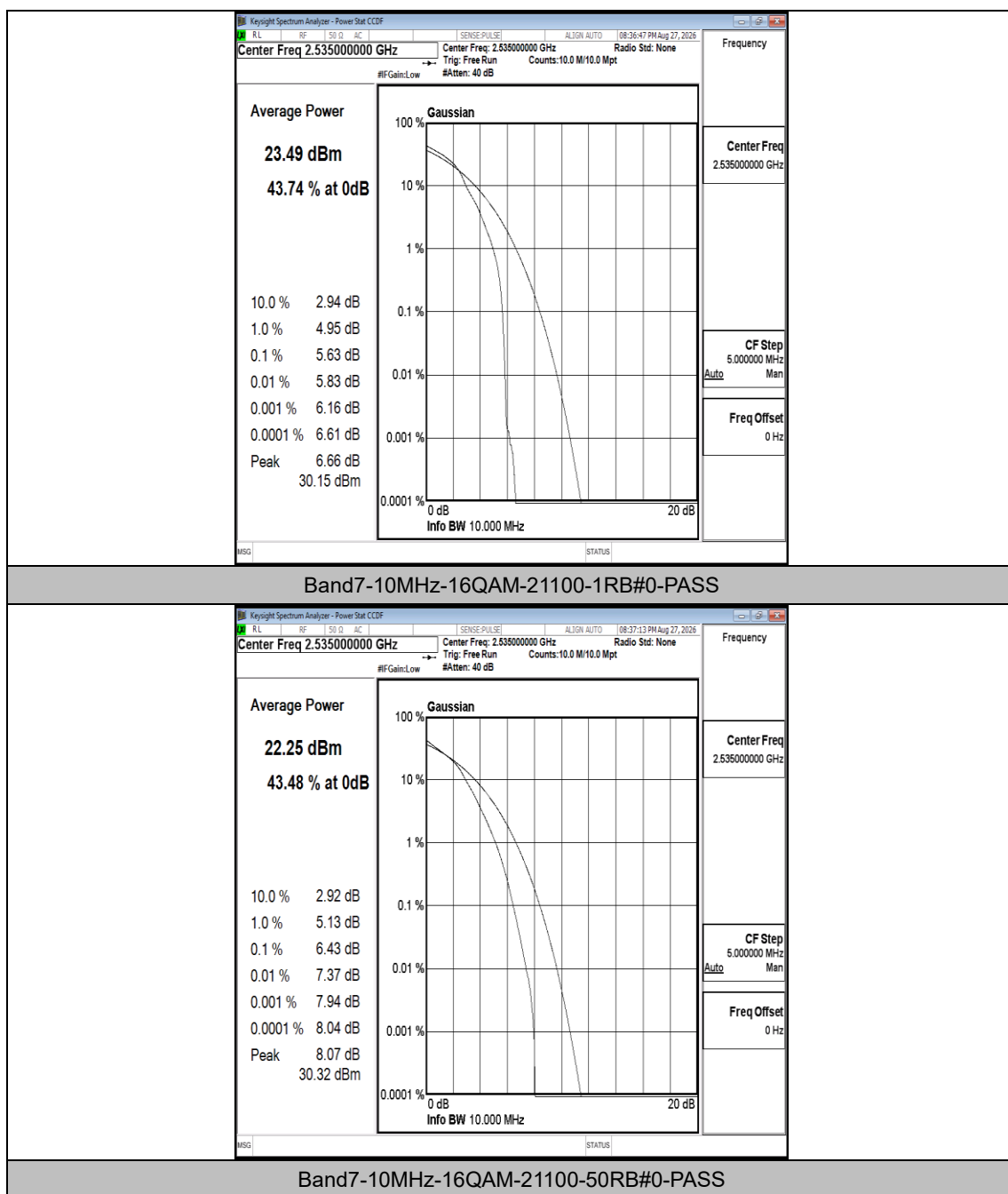


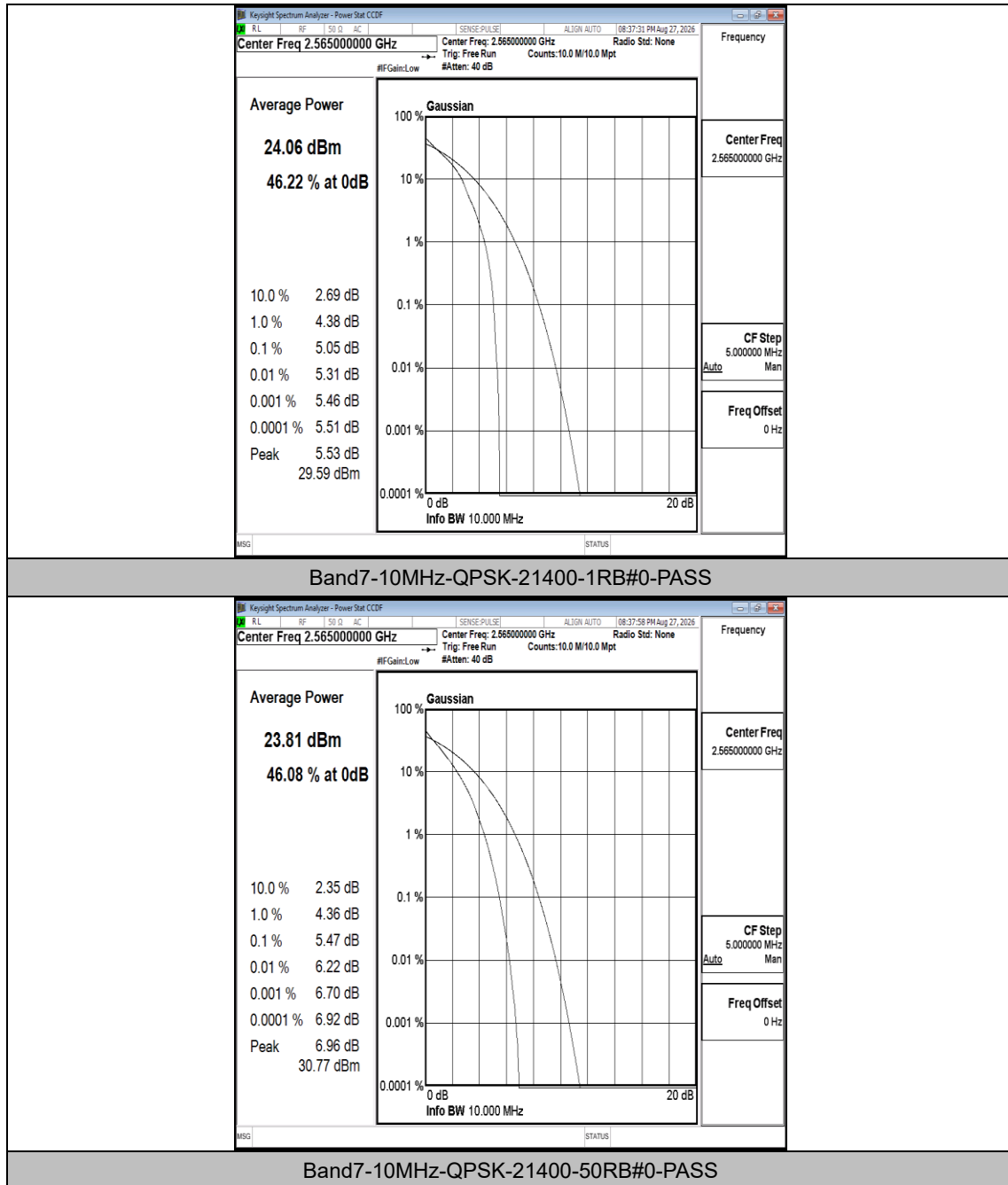


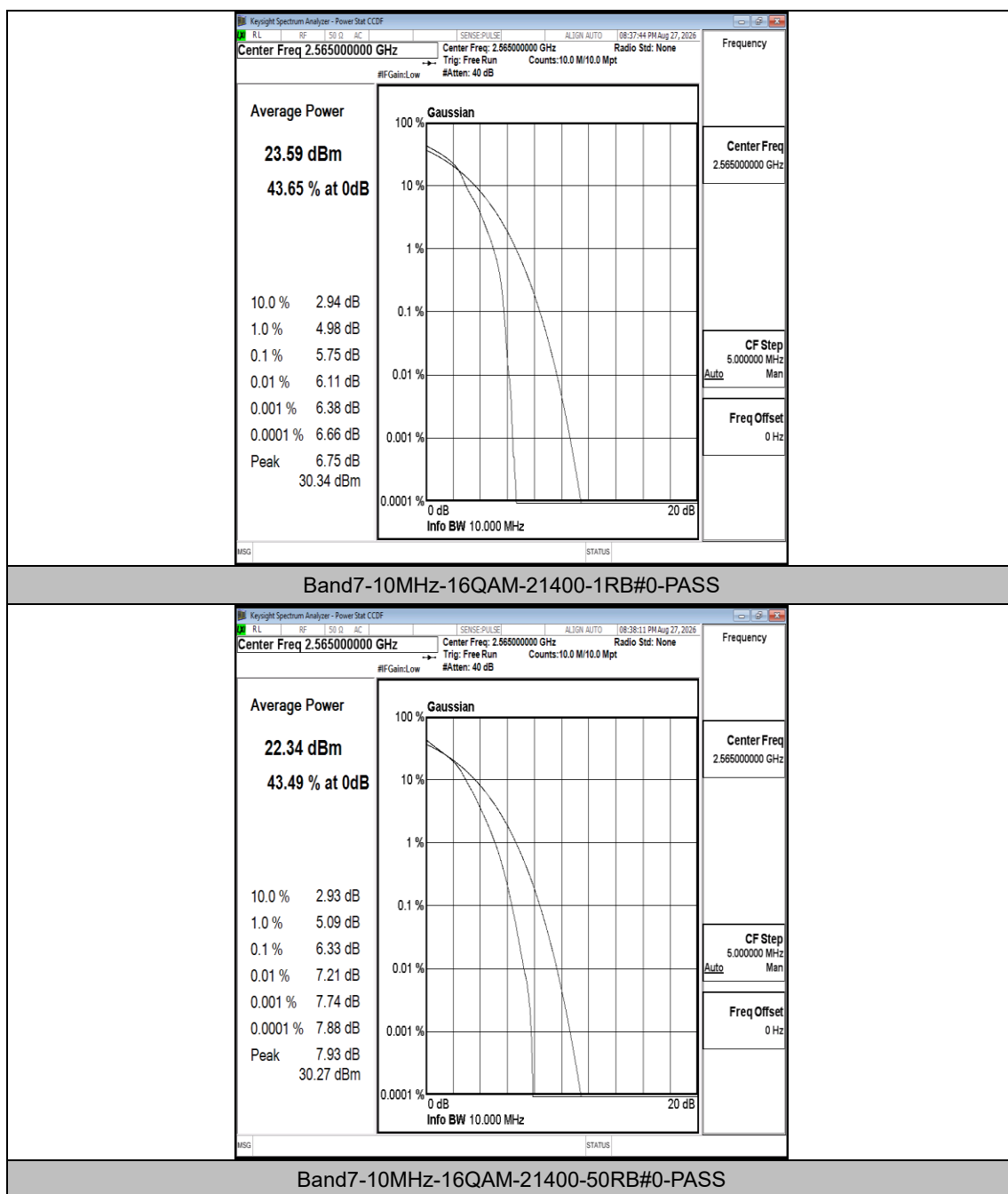


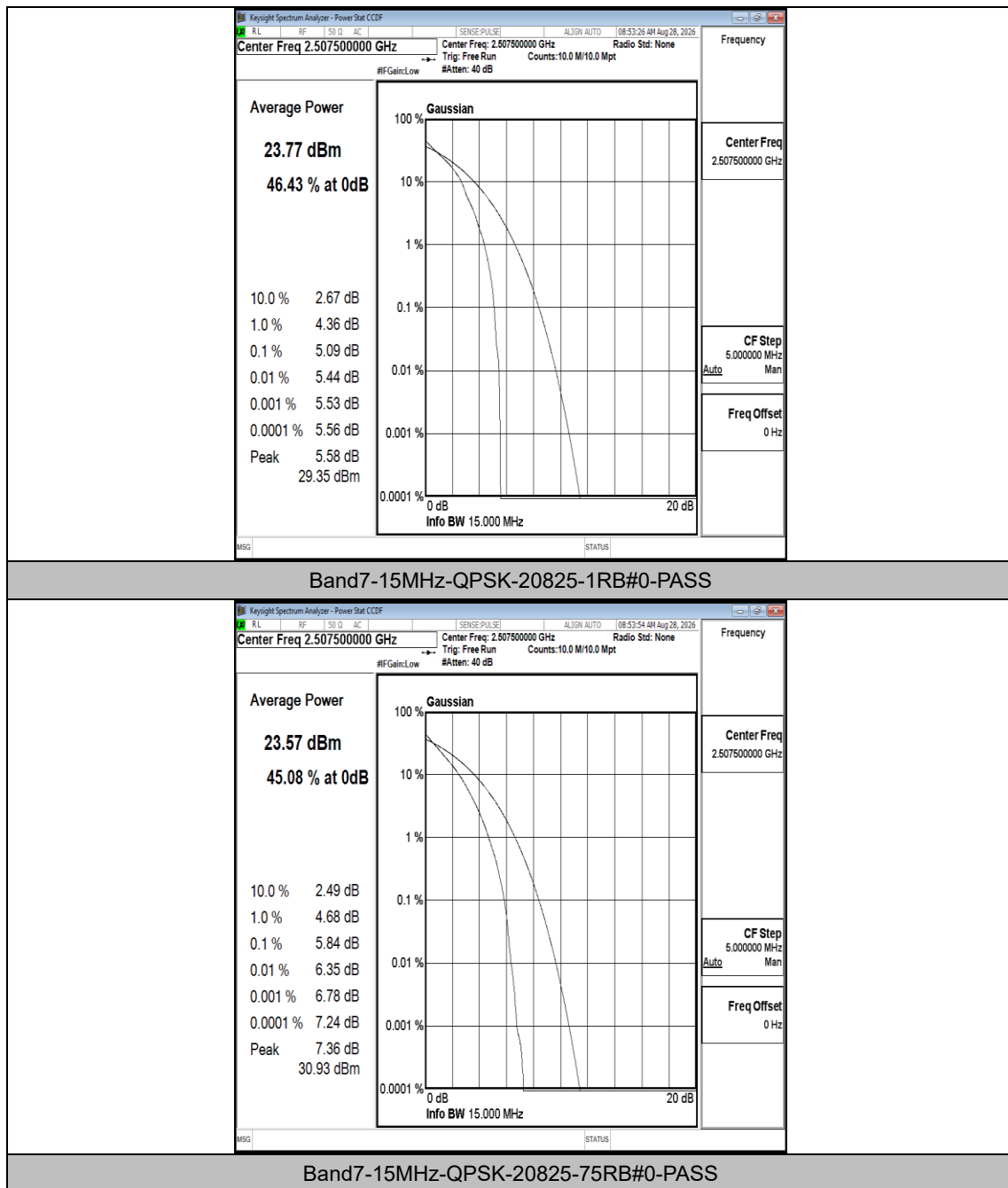


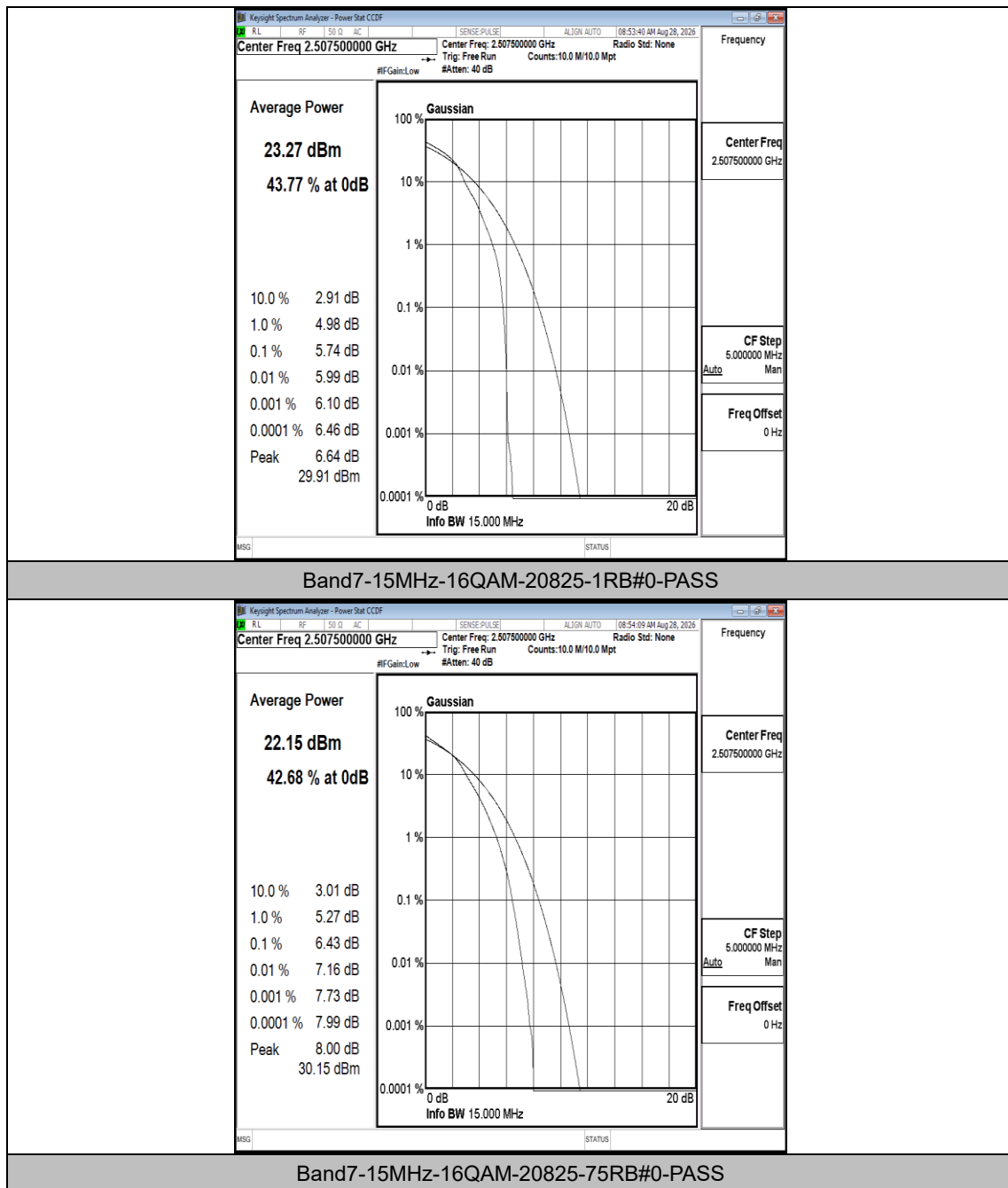


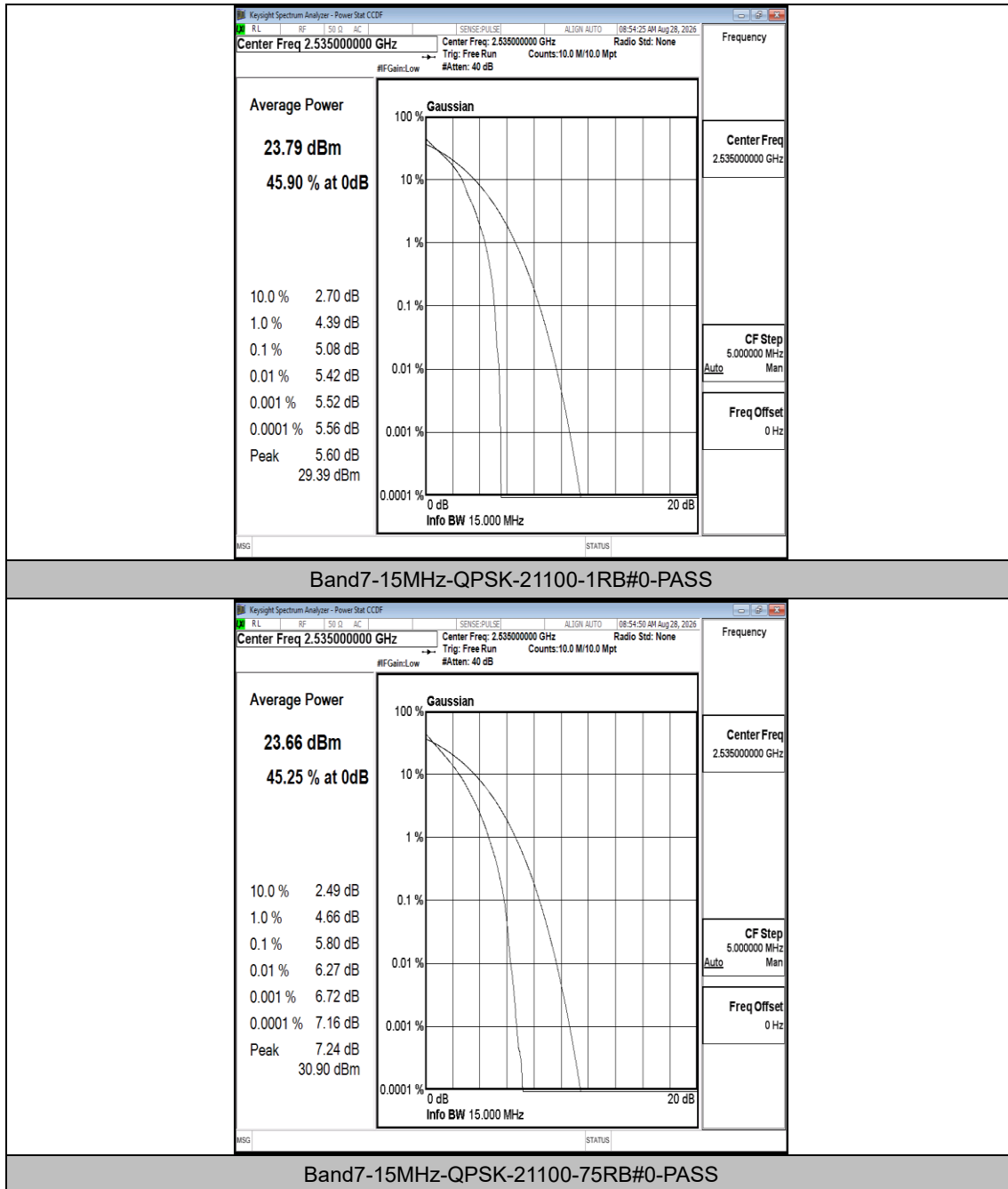


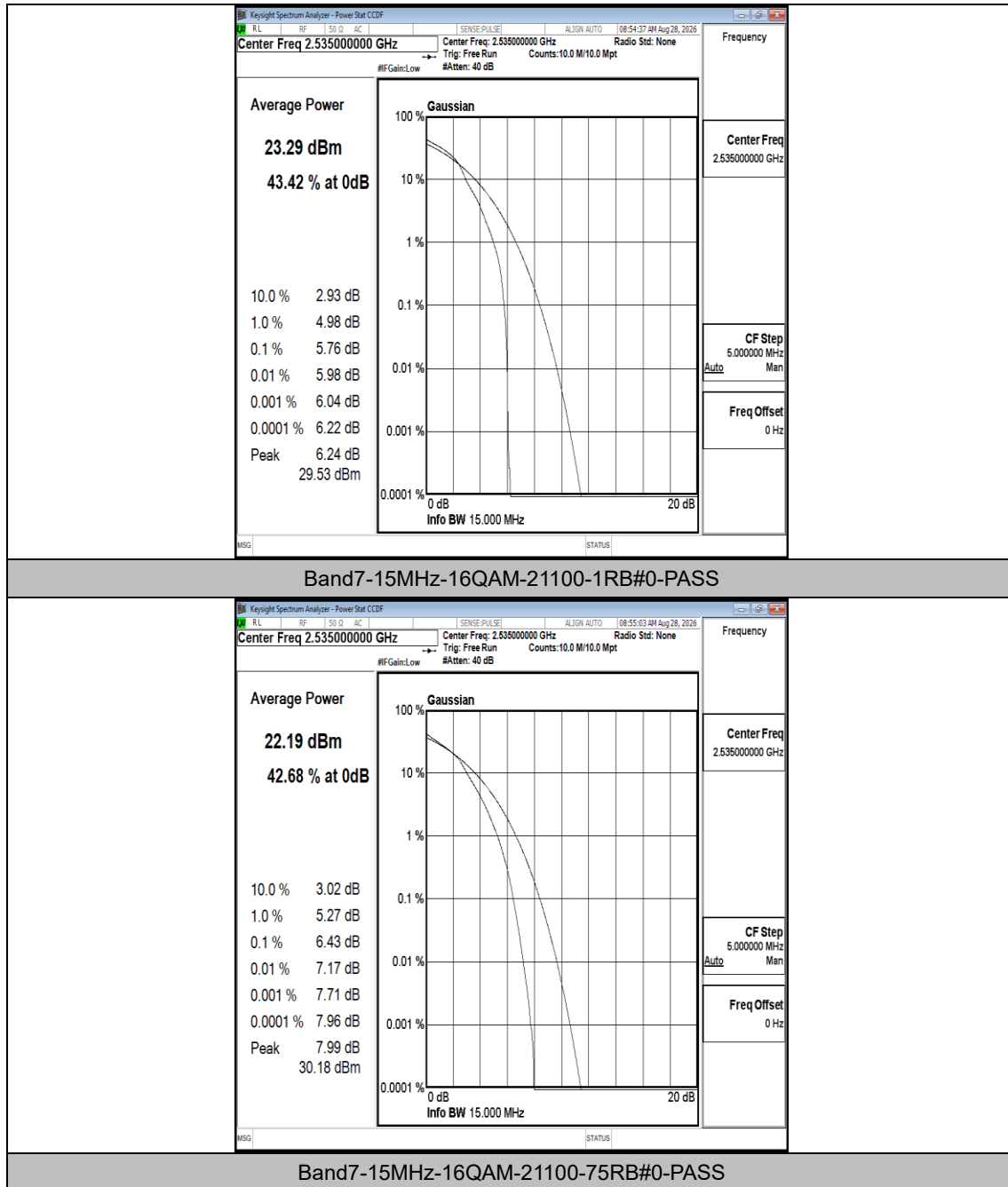


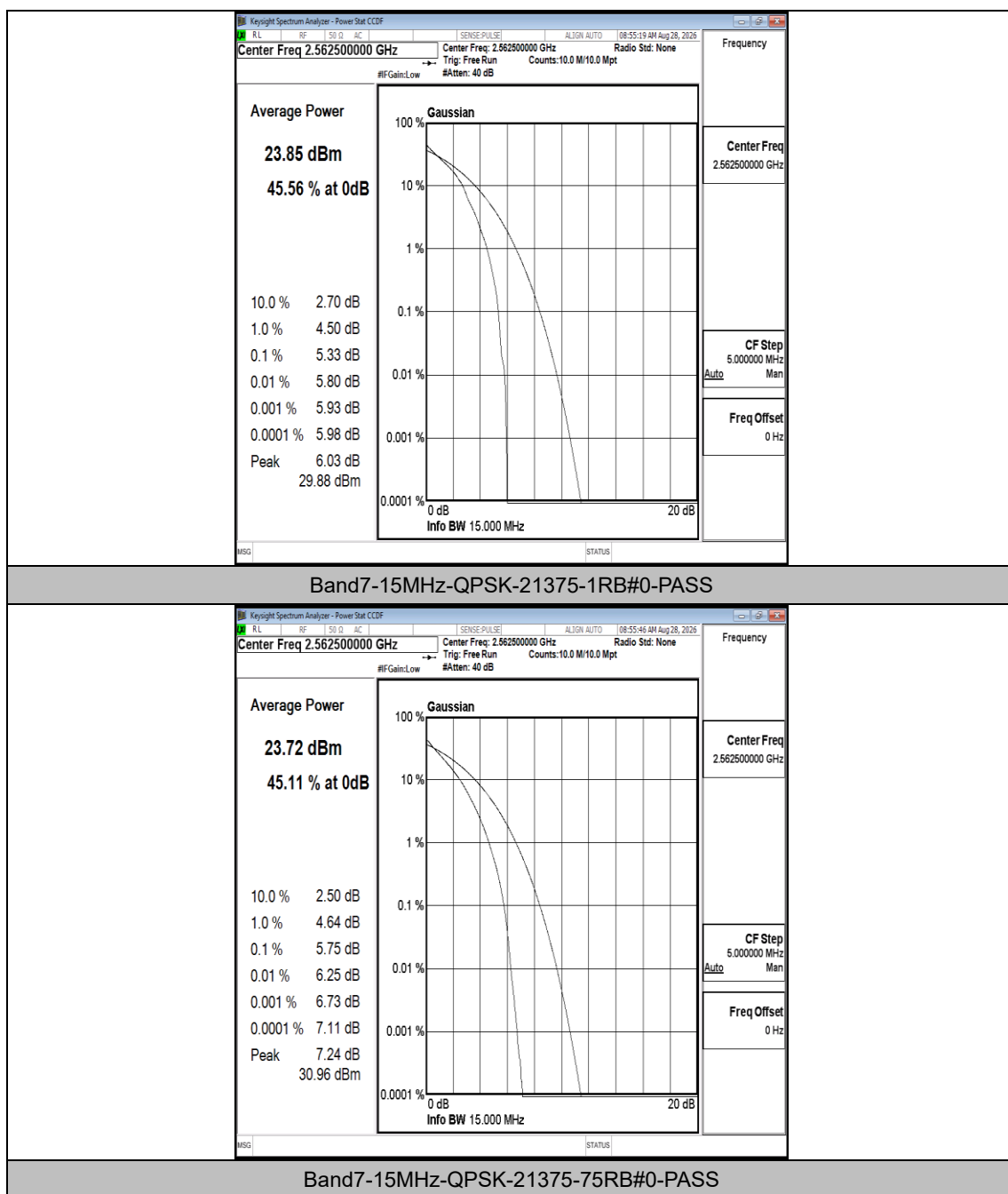


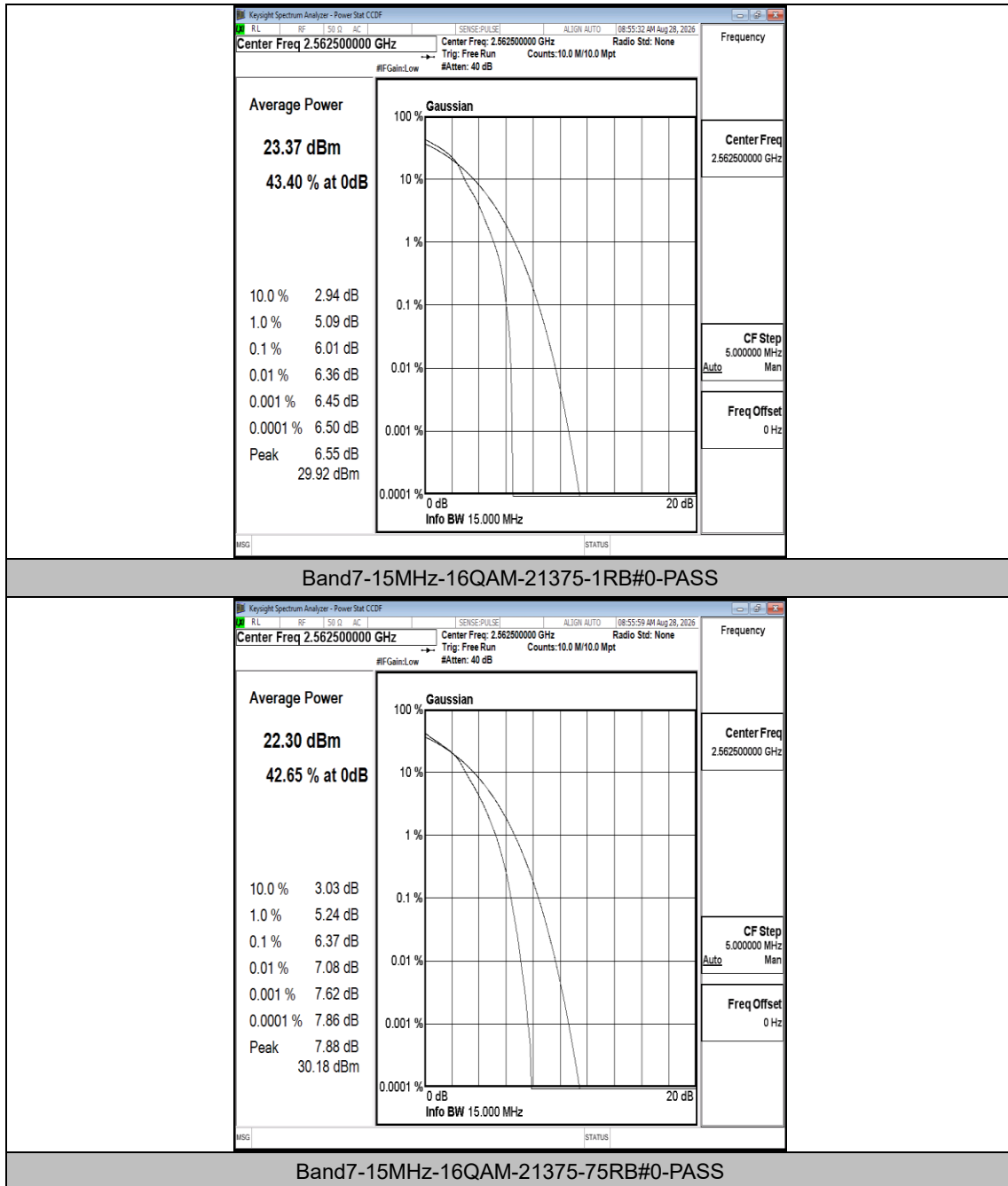


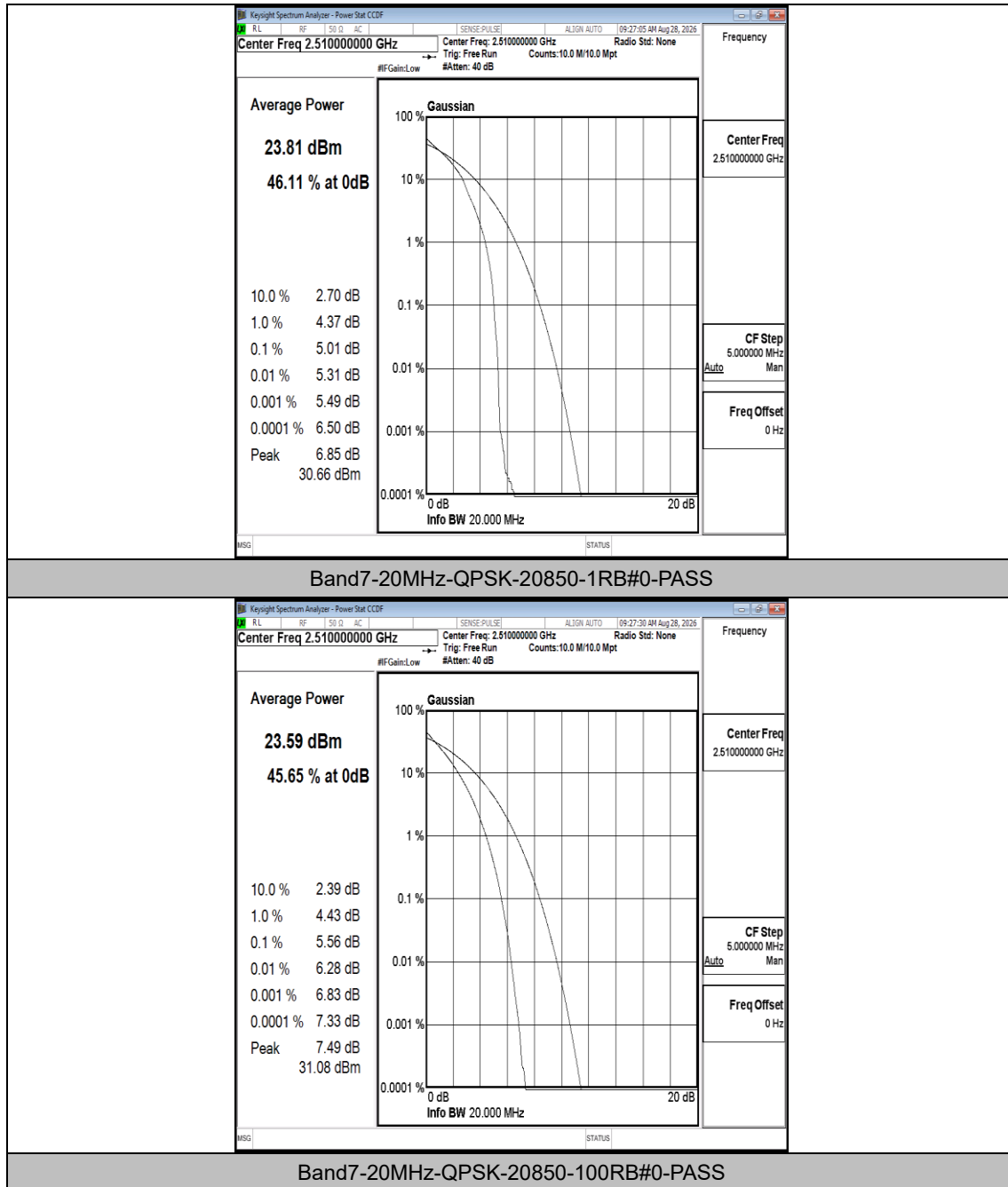


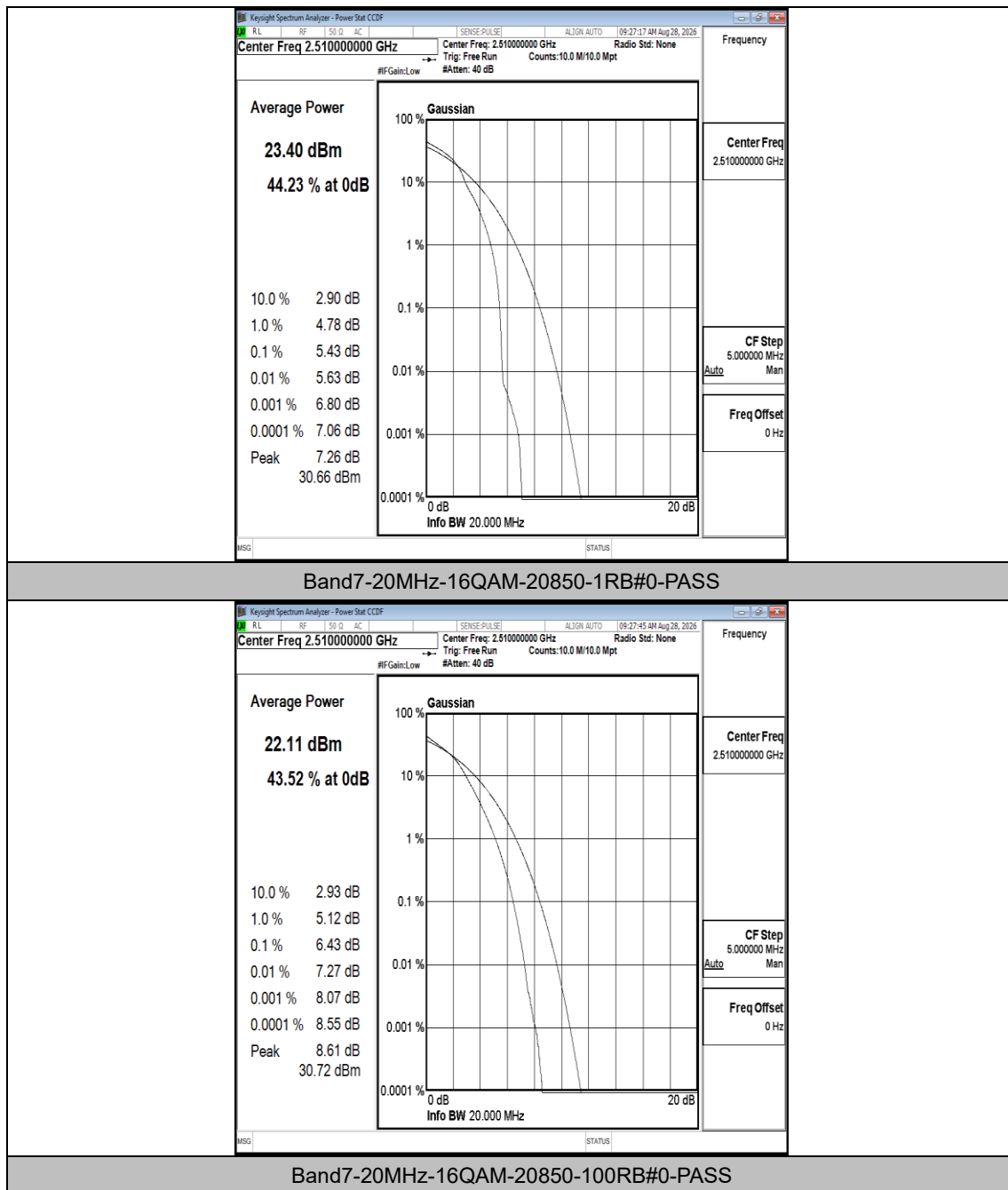


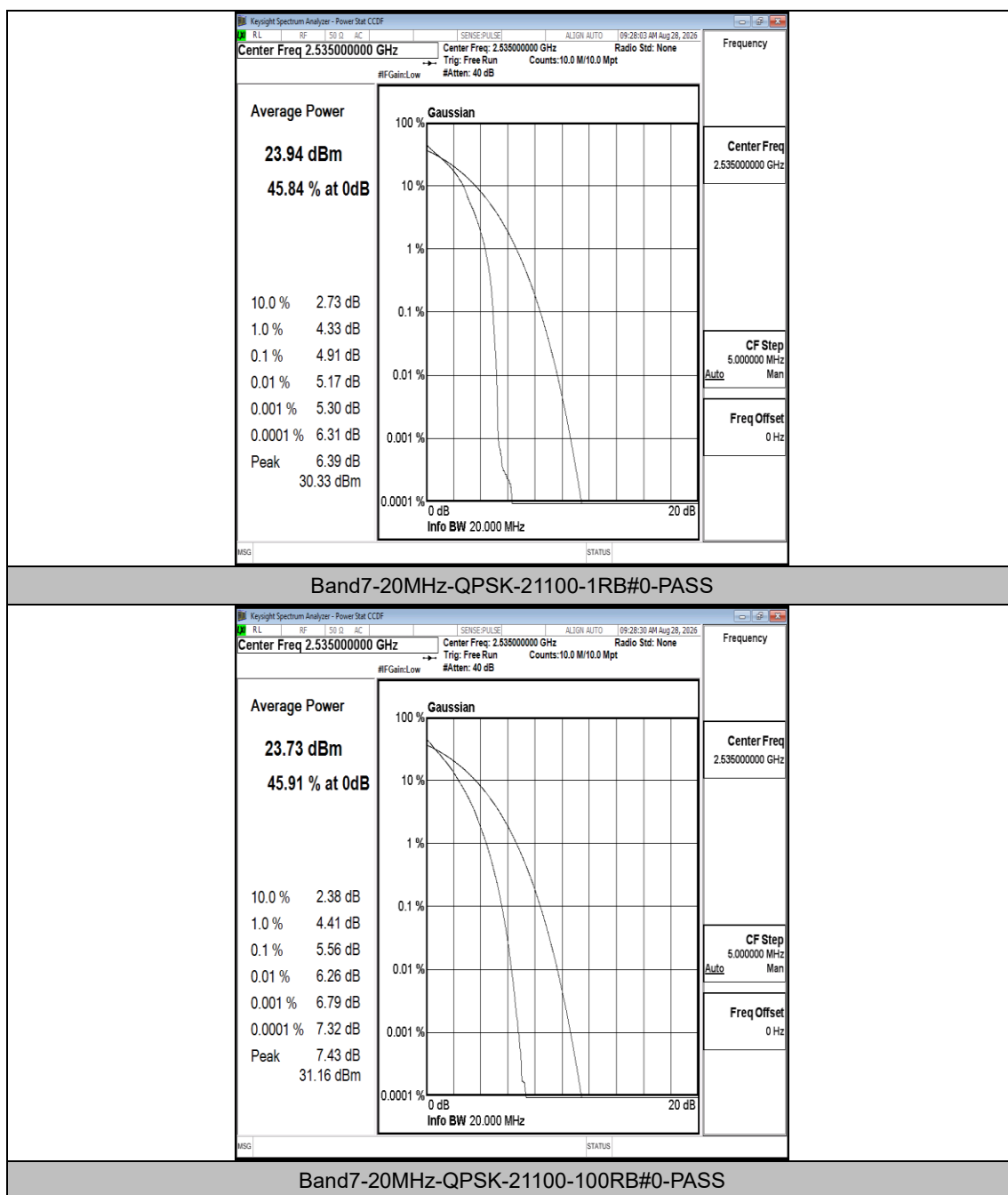


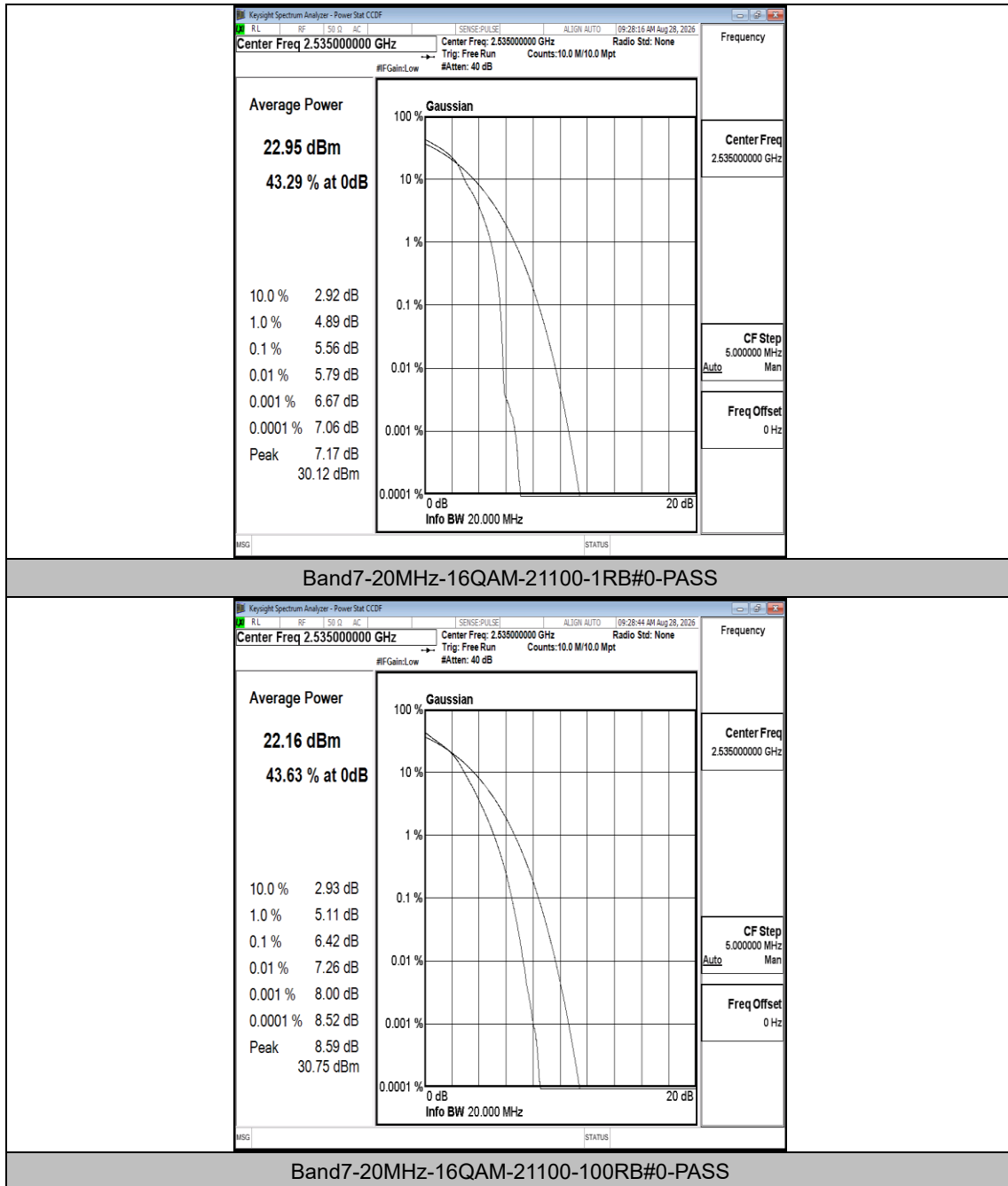


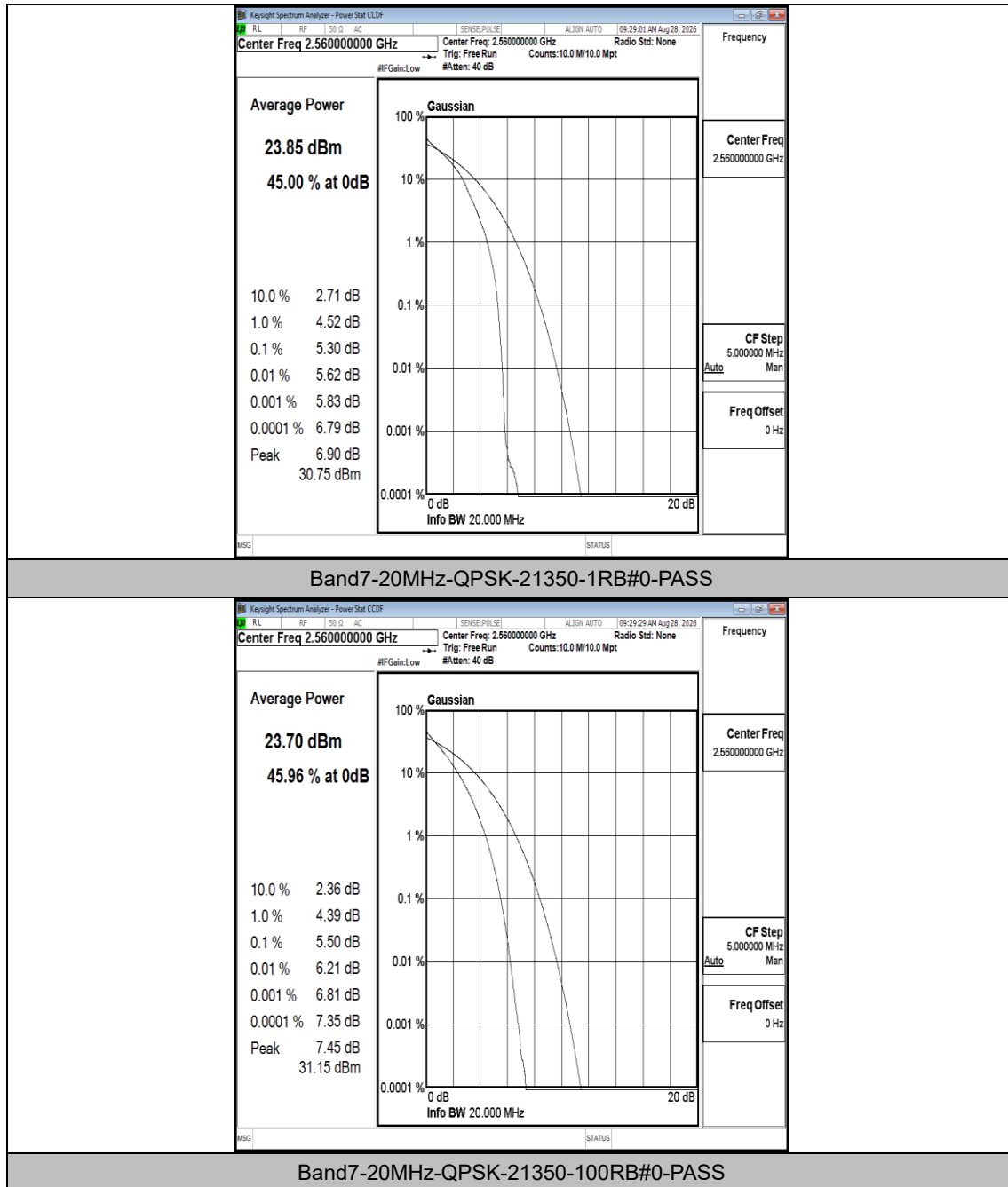


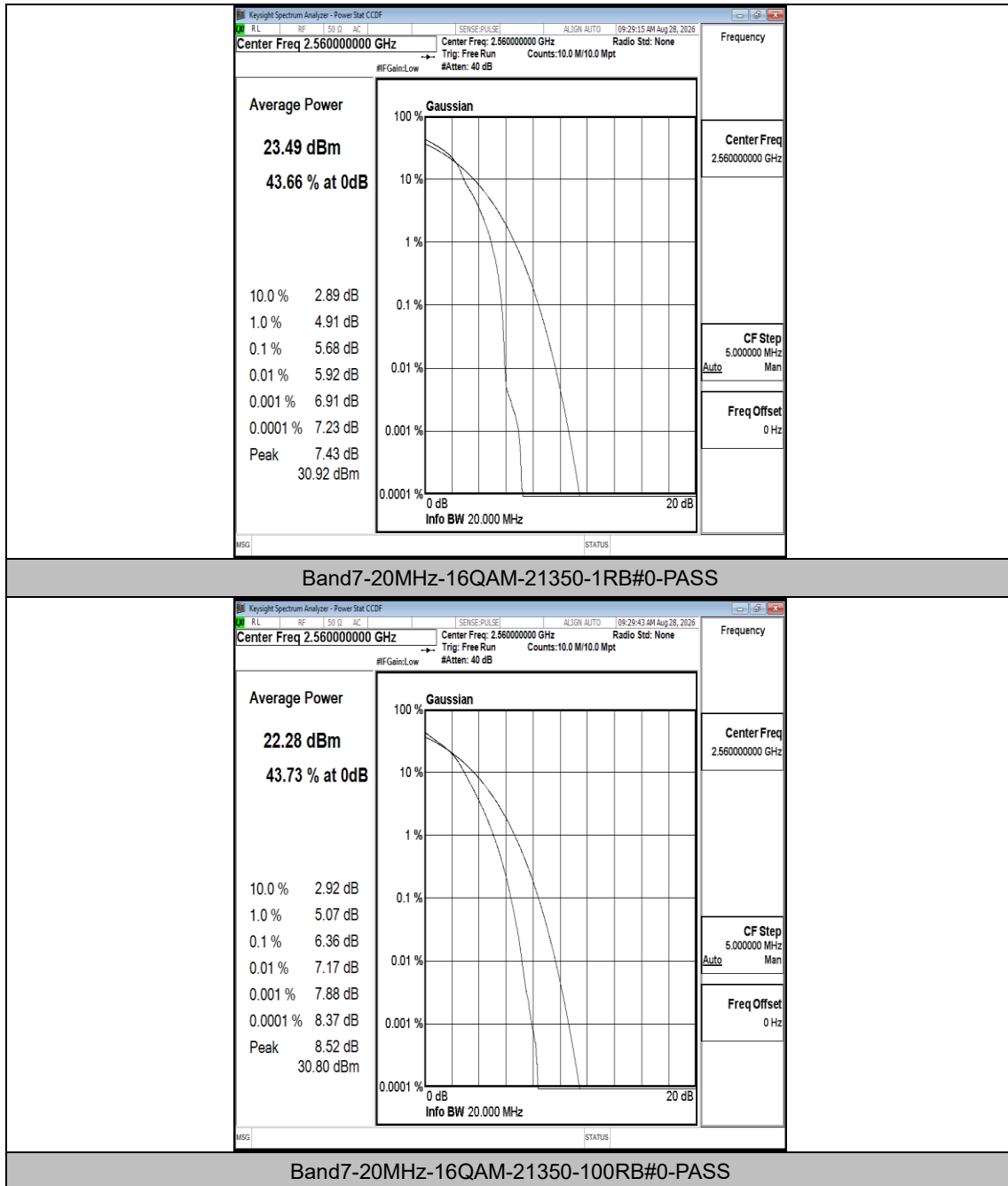










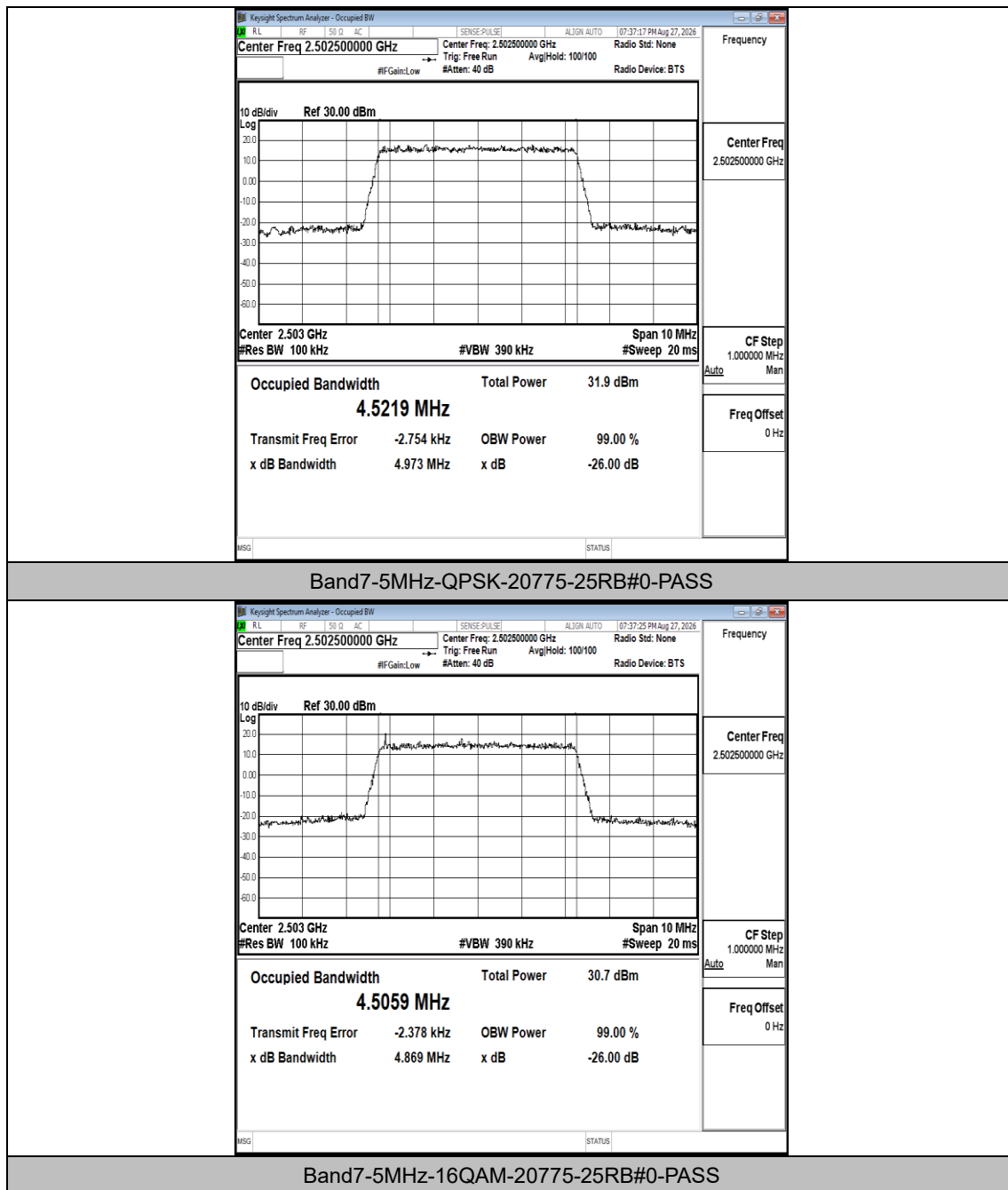


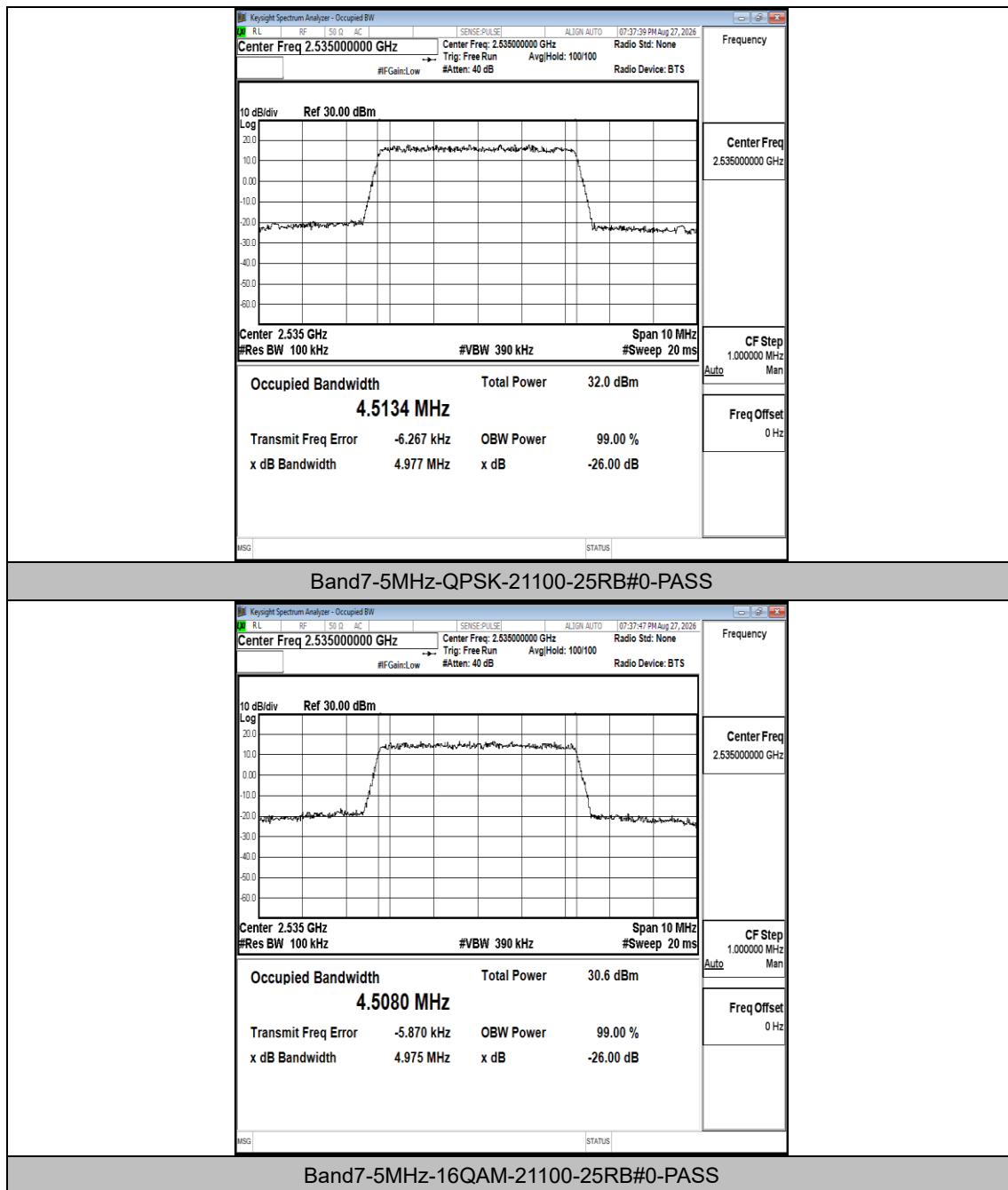
K.3 26dB Bandwidth and Occupied Bandwidth

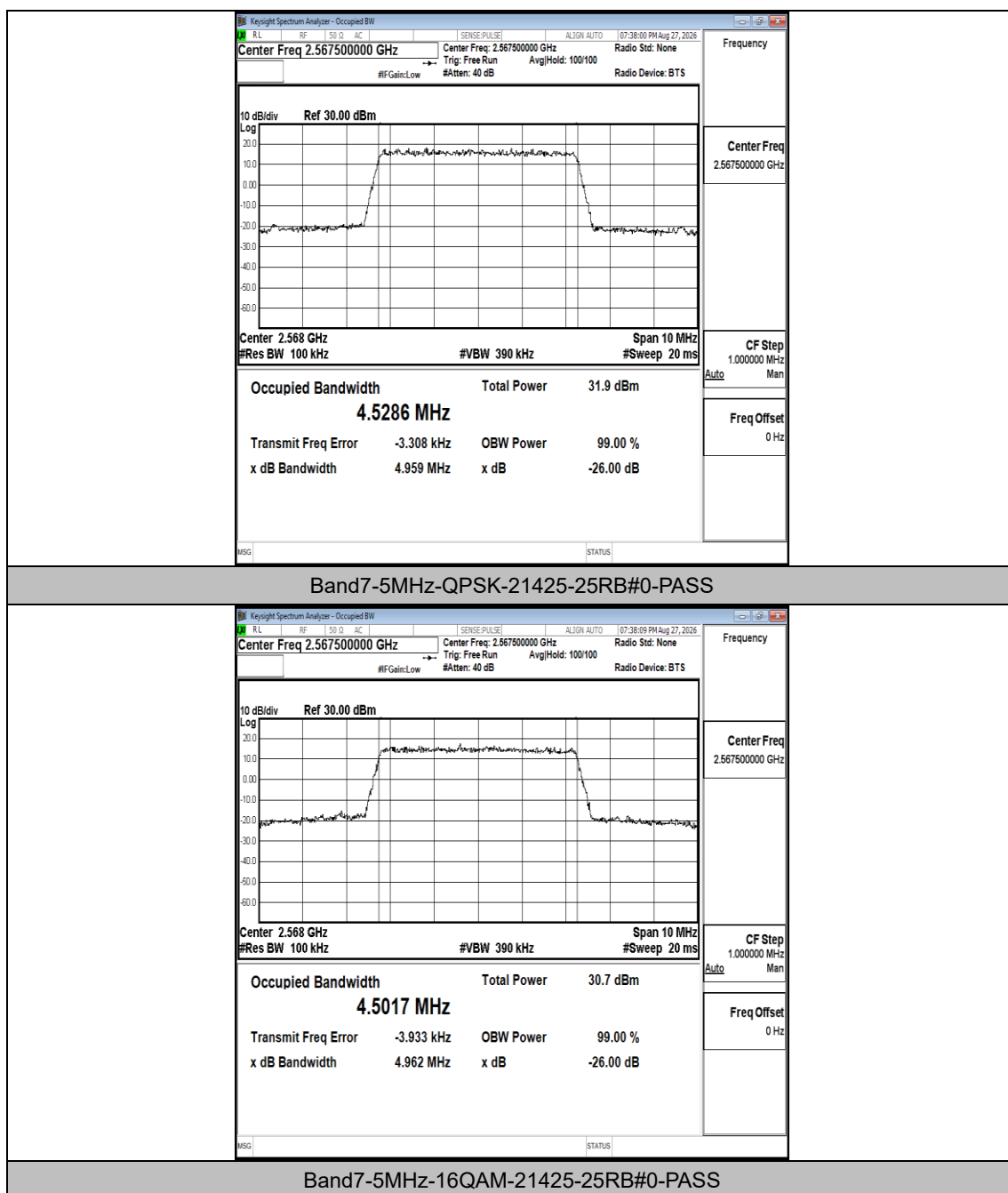
Test Result

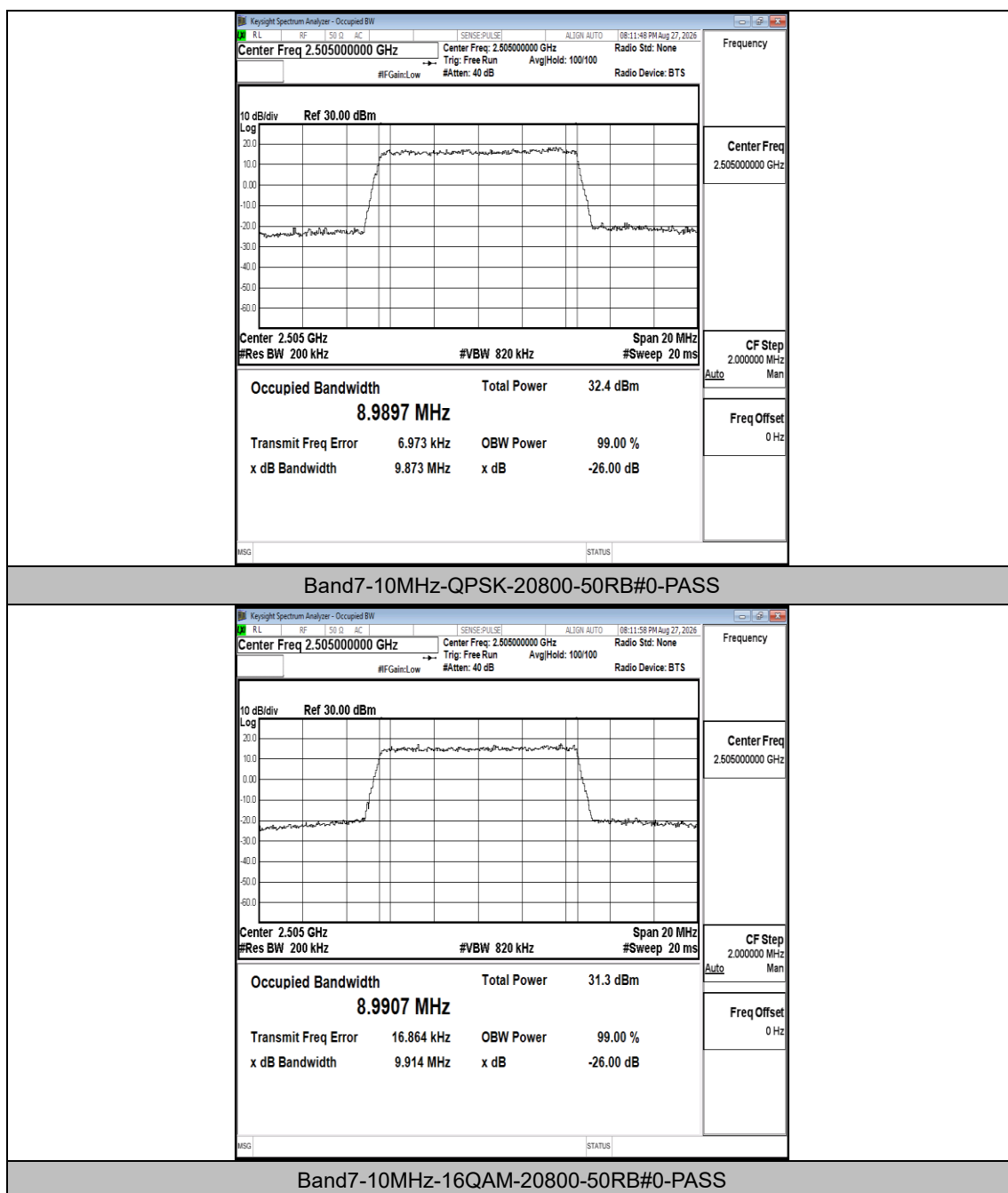
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5219	4.973	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5059	4.869	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5134	4.977	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5080	4.975	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5286	4.959	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5017	4.962	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9897	9.873	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9907	9.914	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9982	9.892	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9977	9.917	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9893	9.875	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9804	9.929	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.517	14.92	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.495	14.93	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.500	14.95	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.494	14.90	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.487	14.91	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.480	14.90	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.972	19.63	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.034	19.73	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.961	19.61	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.987	19.71	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.956	19.66	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.989	19.73	PASS

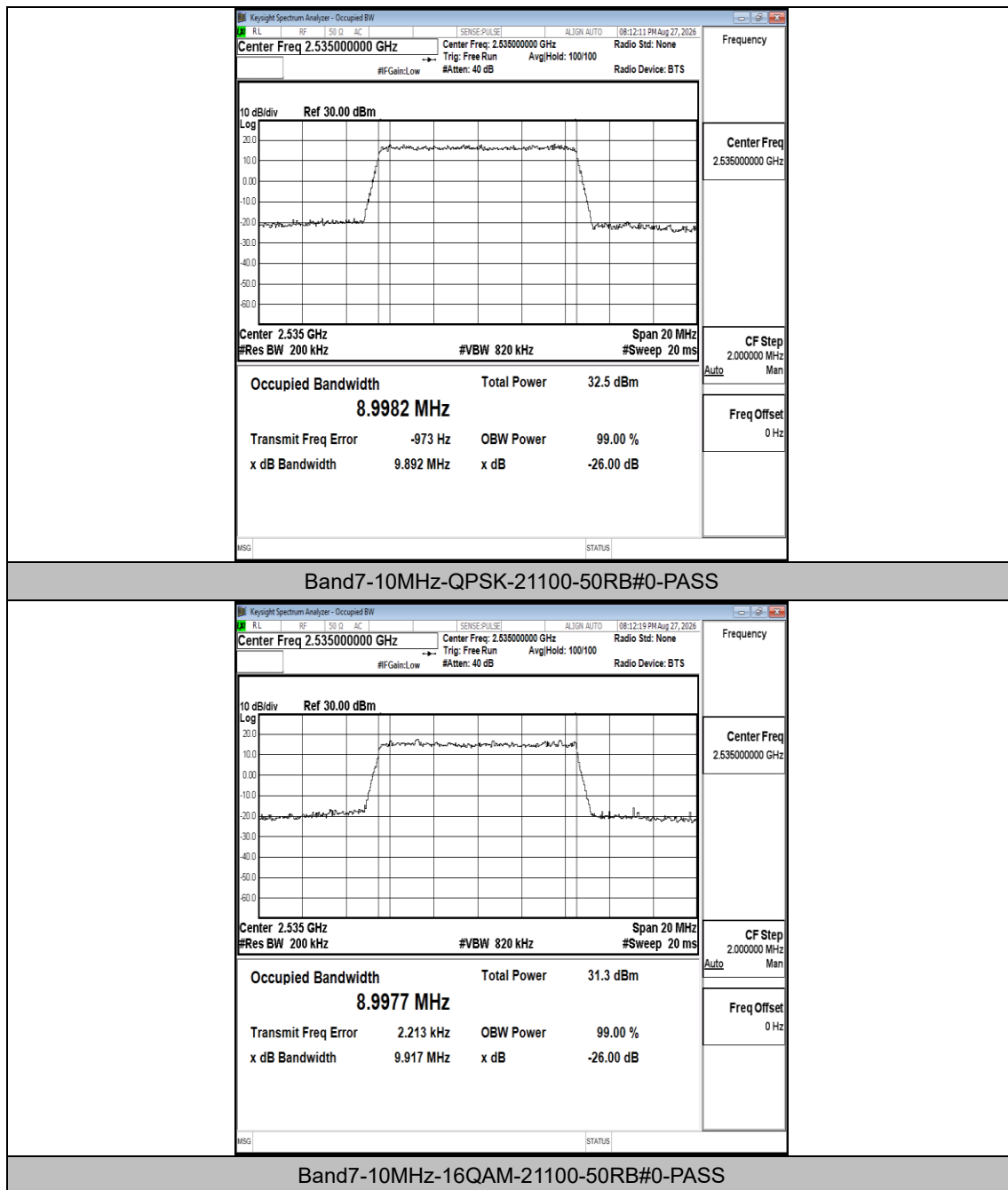
Test Graphs

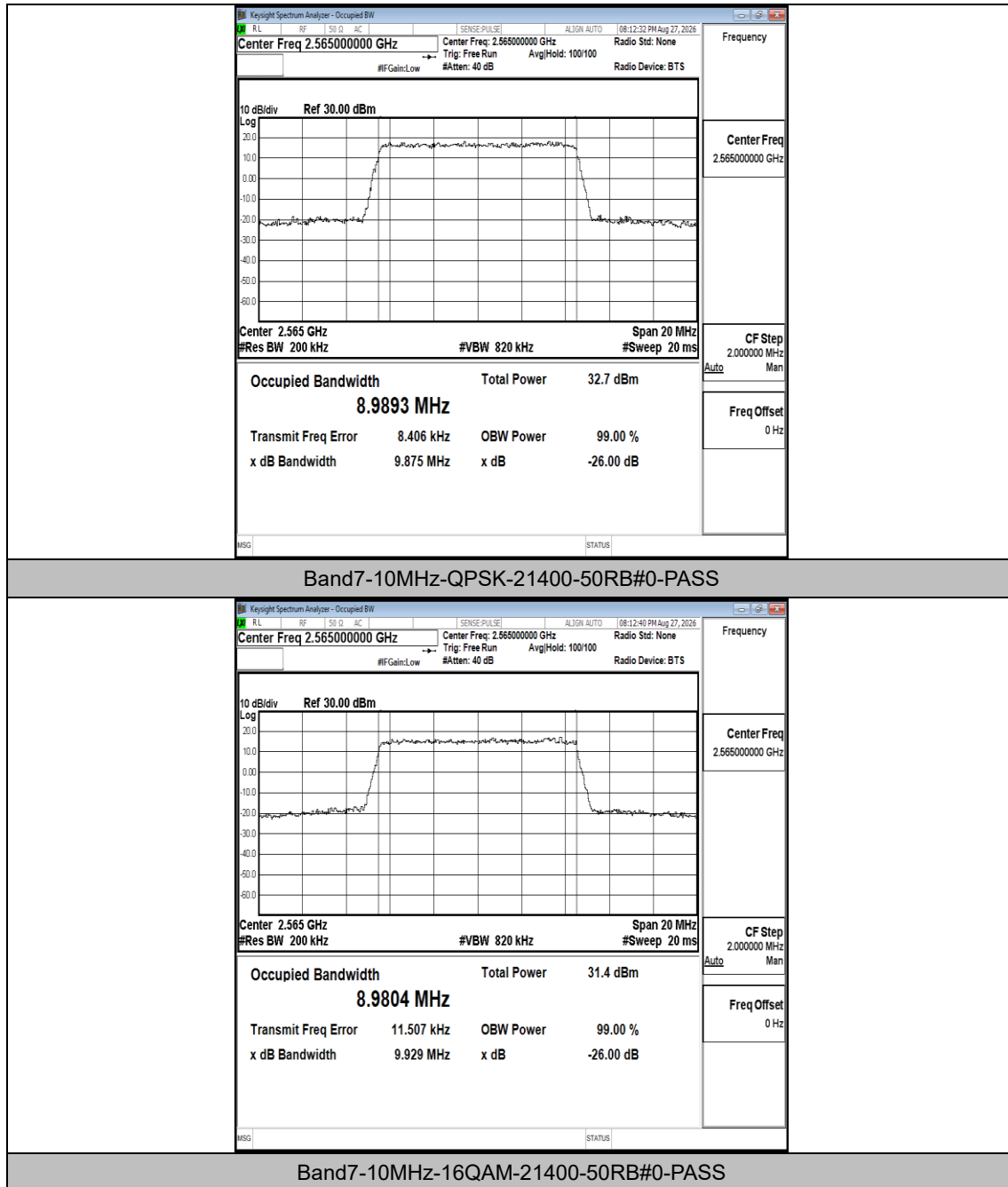


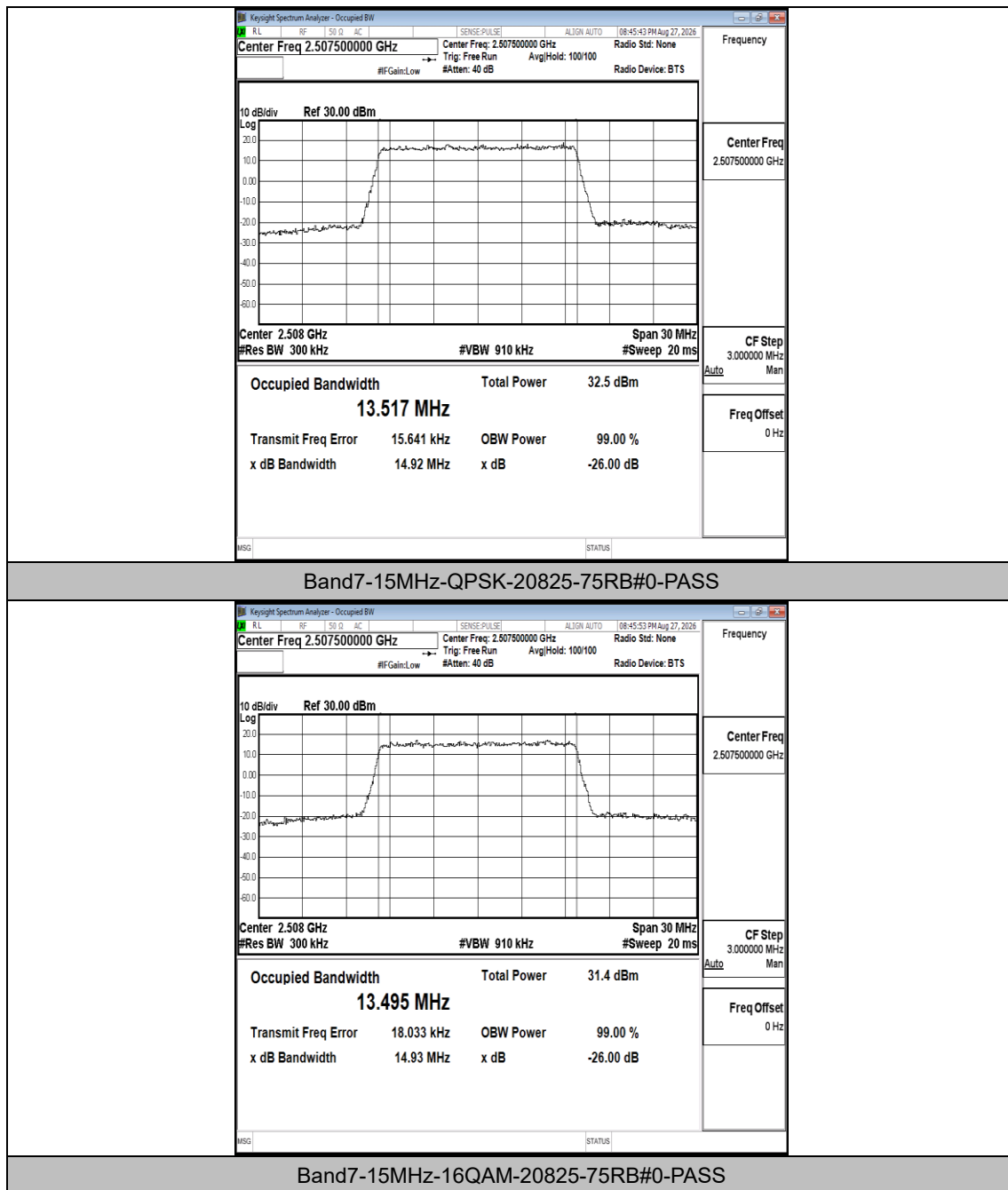


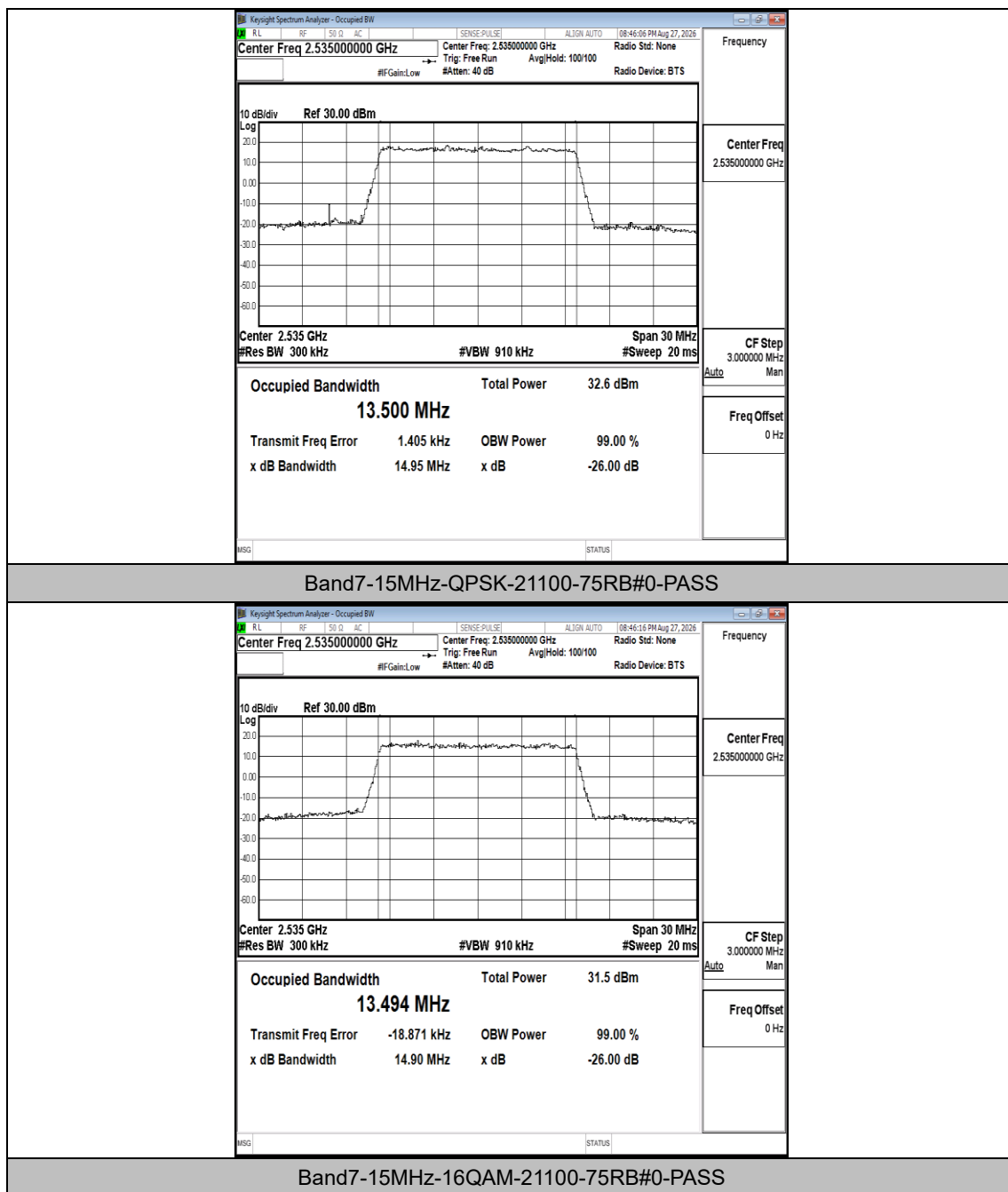


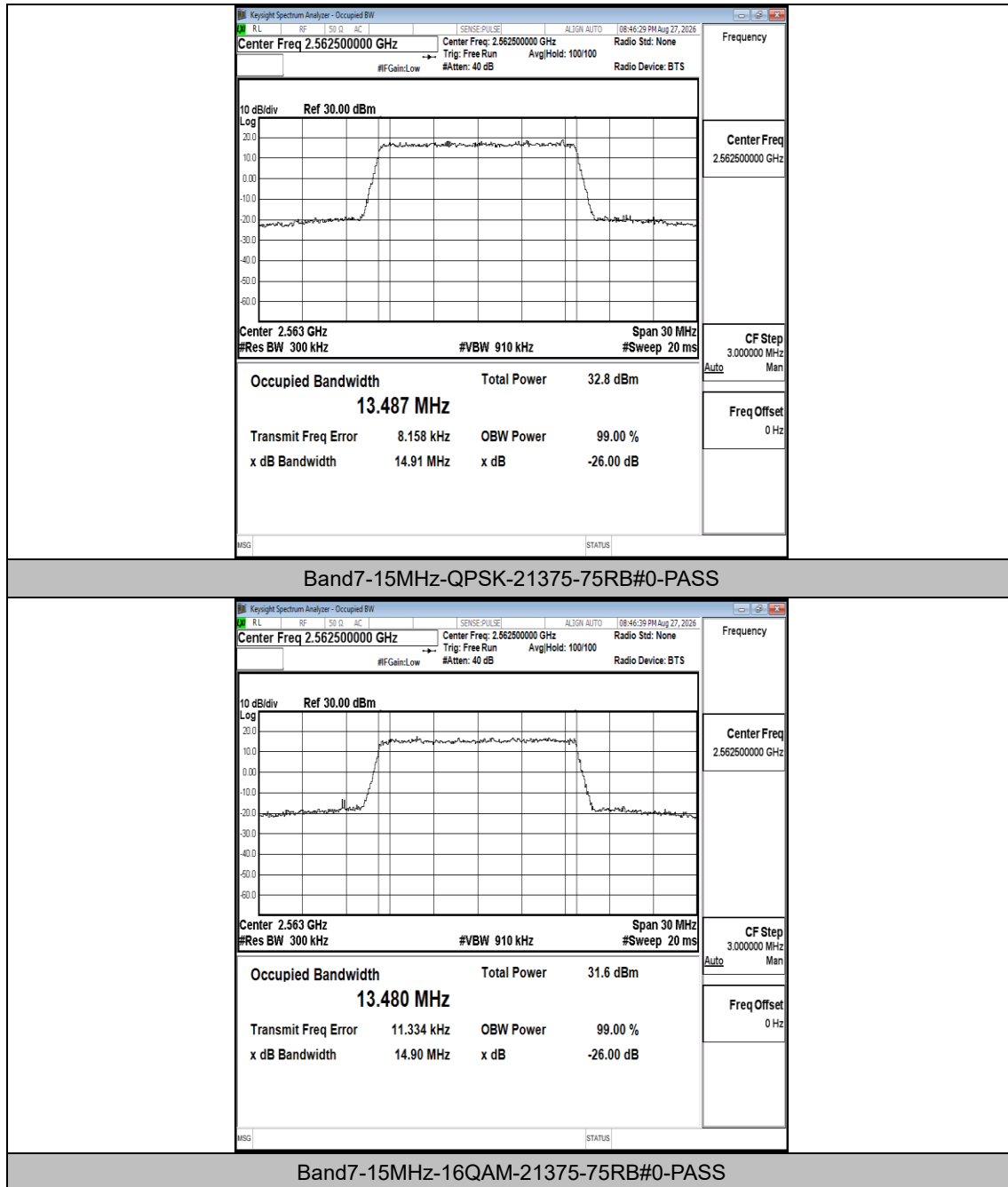


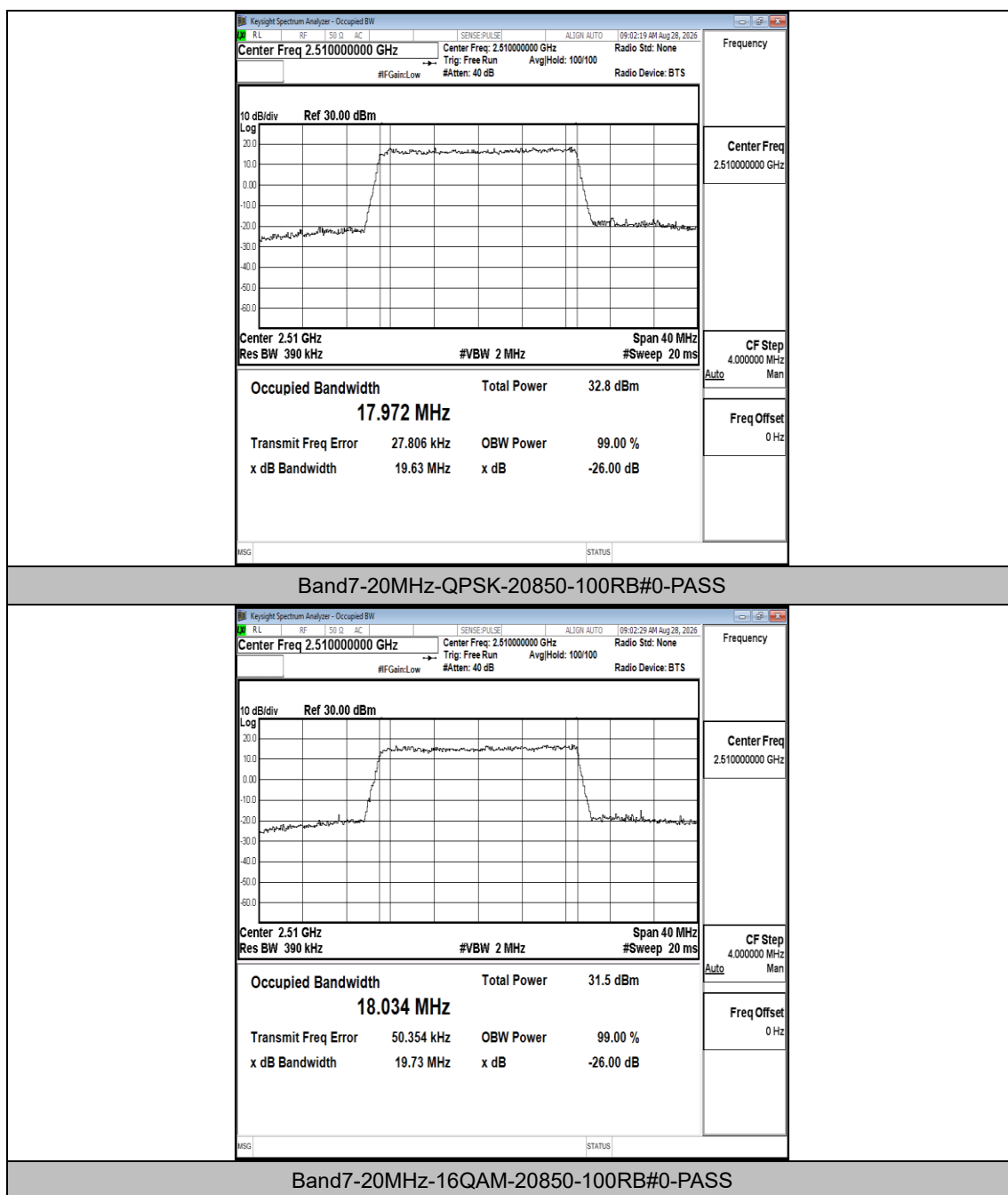


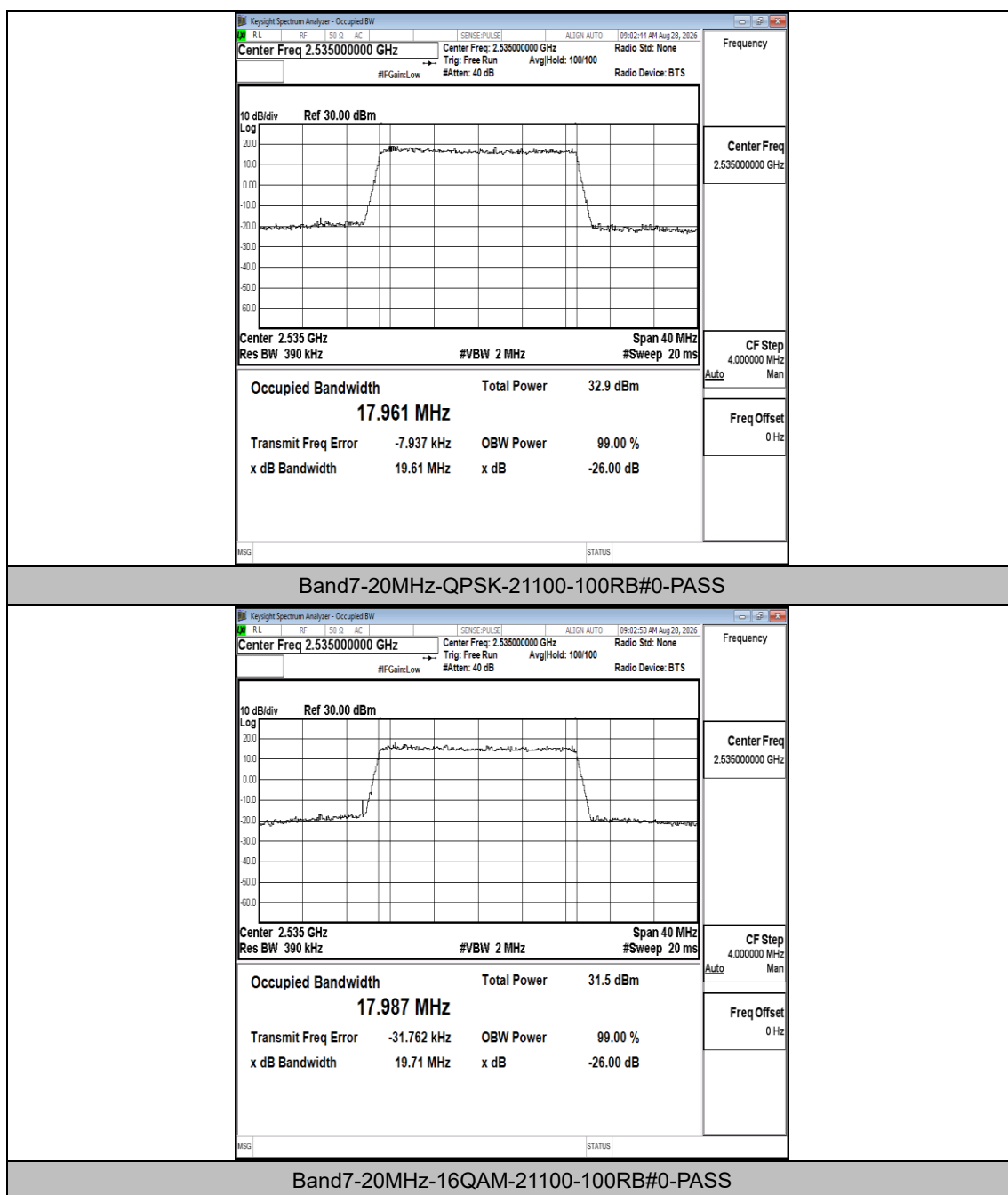


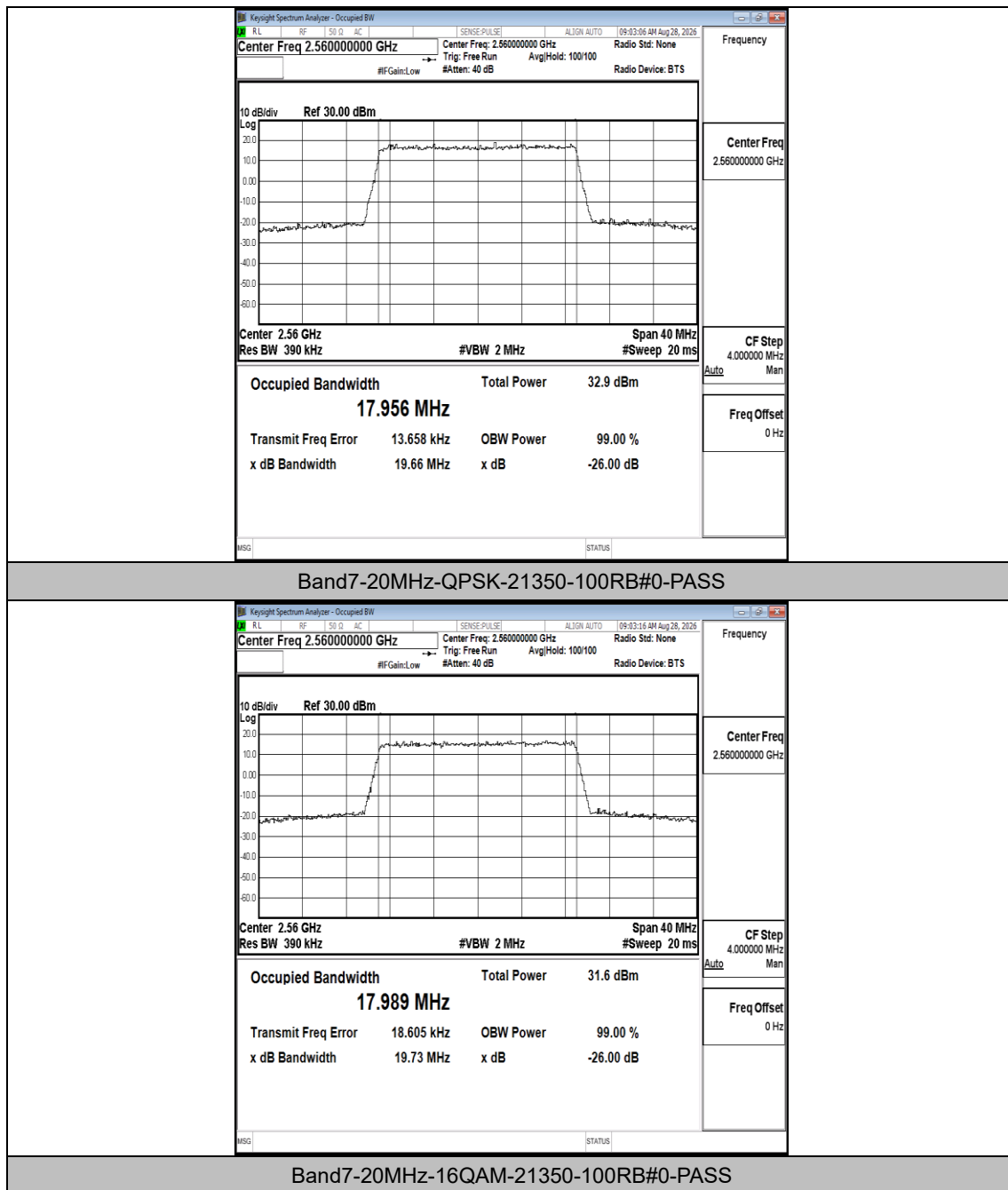












K.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-26.36	13.36	PASS
Band7	5MHz	16QAM	20775	25RB#0	-22.82	12.82	PASS
Band7	5MHz	QPSK	21425	25RB#0	-34.55	9.55	PASS
Band7	5MHz	16QAM	21425	25RB#0	-21.28	11.28	PASS
Band7	10MHz	QPSK	20800	50RB#0	-38.17	13.17	PASS
Band7	10MHz	16QAM	20800	50RB#0	-38.53	13.53	PASS
Band7	10MHz	QPSK	21400	50RB#0	-36.05	11.05	PASS
Band7	10MHz	16QAM	21400	50RB#0	-36.86	11.86	PASS
Band7	15MHz	QPSK	20825	75RB#0	-31.94	6.94	PASS
Band7	15MHz	16QAM	20825	75RB#0	-34.08	9.08	PASS
Band7	15MHz	QPSK	21375	75RB#0	-36.67	11.67	PASS
Band7	15MHz	16QAM	21375	75RB#0	-36.71	11.71	PASS
Band7	20MHz	QPSK	20850	100RB#0	-34.36	9.36	PASS
Band7	20MHz	16QAM	20850	100RB#0	-33.61	8.61	PASS
Band7	20MHz	QPSK	21350	100RB#0	-38.08	13.08	PASS
Band7	20MHz	16QAM	21350	100RB#0	-38.05	13.05	PASS

Test Graphs

