

Appendix D: Test Data for E-UTRA Band 7

Product Name: Scout 4G SF iRF (LA)
Test Model: Scout 4G SF iRF (LA)

Environmental Conditions

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

D.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.51	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.90	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.26	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.46	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.43	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.58	PASS
Band7	5MHz	QPSK	20775	25RB#0	23.05	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.55	PASS
Band7	5MHz	16QAM	20775	1RB#12	23.19	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.33	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.66	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.53	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.77	PASS
Band7	5MHz	16QAM	20775	25RB#0	22.12	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.43	PASS
Band7	5MHz	QPSK	21100	1RB#12	24.02	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.43	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.61	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.74	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.64	PASS
Band7	5MHz	QPSK	21100	25RB#0	23.29	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.56	PASS
Band7	5MHz	16QAM	21100	1RB#12	23.45	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.74	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.78	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.95	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.82	PASS
Band7	5MHz	16QAM	21100	25RB#0	22.38	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.10	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.42	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.43	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.61	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.66	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.92	PASS

Band7	5MHz	QPSK	21425	25RB#0	22.16	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.76	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.34	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.44	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.89	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.84	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.11	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.46	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.89	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.36	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.68	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.29	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.16	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.01	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.89	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.11	PASS
Band7	10MHz	16QAM	20800	1RB#24	23.08	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.36	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.43	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.34	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.18	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.16	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.75	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.38	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.61	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.65	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.76	PASS
Band7	10MHz	QPSK	21100	50RB#0	23.43	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.38	PASS
Band7	10MHz	16QAM	21100	1RB#24	23.48	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.47	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.72	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.82	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.86	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.90	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.25	PASS
Band7	10MHz	QPSK	21400	1RB#49	20.83	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.68	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.63	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.86	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.55	PASS

Band7	10MHz	16QAM	21400	1RB#0	21.39	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.52	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.74	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.83	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.84	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.44	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.39	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.07	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.93	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.30	PASS
Band7	15MHz	QPSK	20825	38RB#18	22.07	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.41	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.73	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.66	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.46	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.74	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.46	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.64	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.62	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.59	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.67	PASS
Band7	15MHz	QPSK	21100	38RB#37	23.06	PASS
Band7	15MHz	QPSK	21100	75RB#0	23.36	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.64	PASS
Band7	15MHz	16QAM	21100	1RB#38	23.11	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.69	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.40	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.10	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.29	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.61	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.59	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.86	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.44	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.92	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.08	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.55	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.41	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.46	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.30	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.33	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.91	PASS

Band7	20MHz	QPSK	20850	50RB#50	21.45	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.40	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.83	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.55	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.02	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.28	PASS
Band7	20MHz	QPSK	21100	1RB#49	24.25	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.68	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.97	PASS
Band7	20MHz	QPSK	21100	50RB#25	23.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	23.32	PASS
Band7	20MHz	QPSK	21100	100RB#0	23.06	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.40	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.37	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.39	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.80	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.37	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.38	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.84	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.61	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.96	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.93	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.97	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.40	PASS

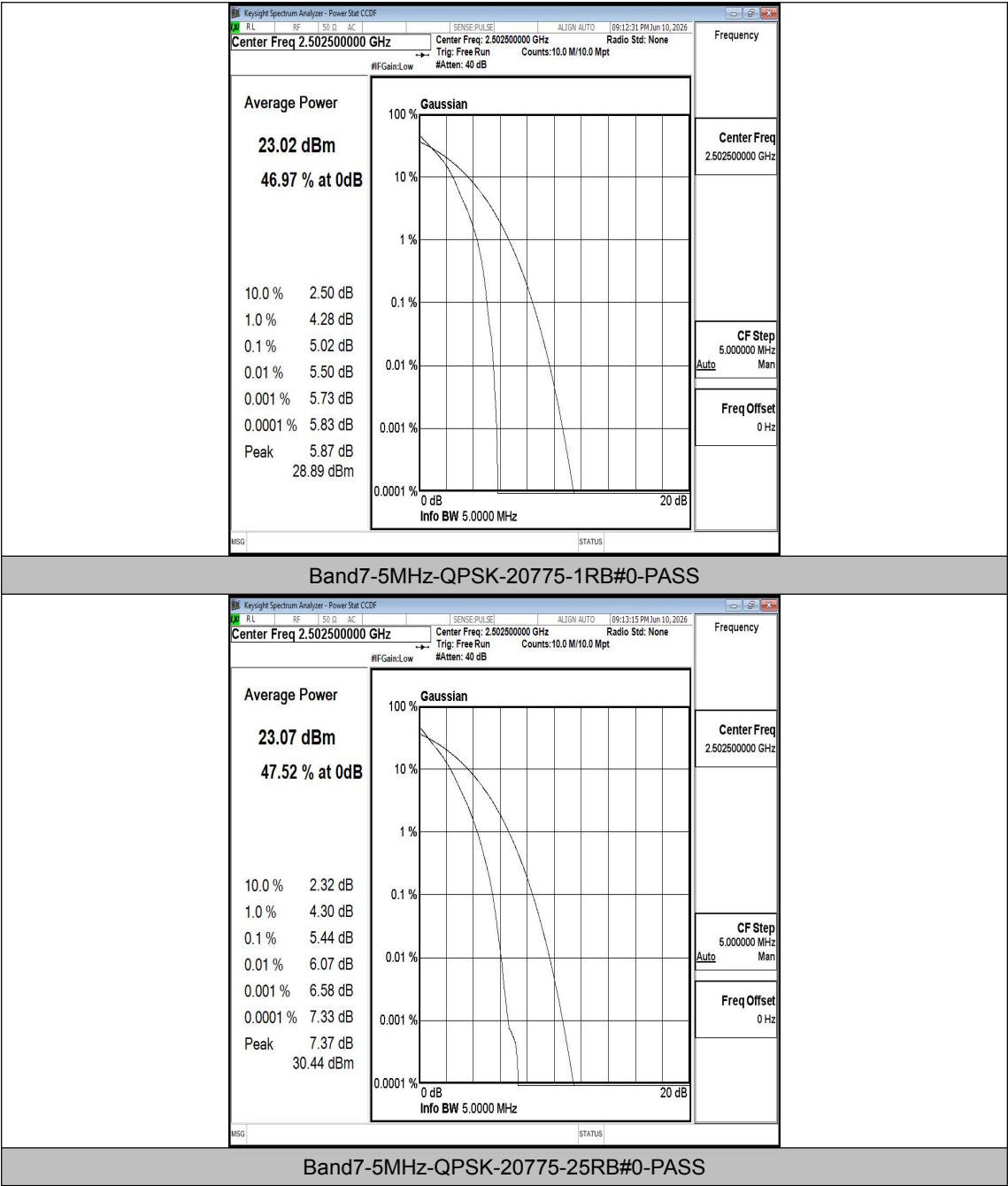
D.2 Peak-to-Average Ratio(CCDF)

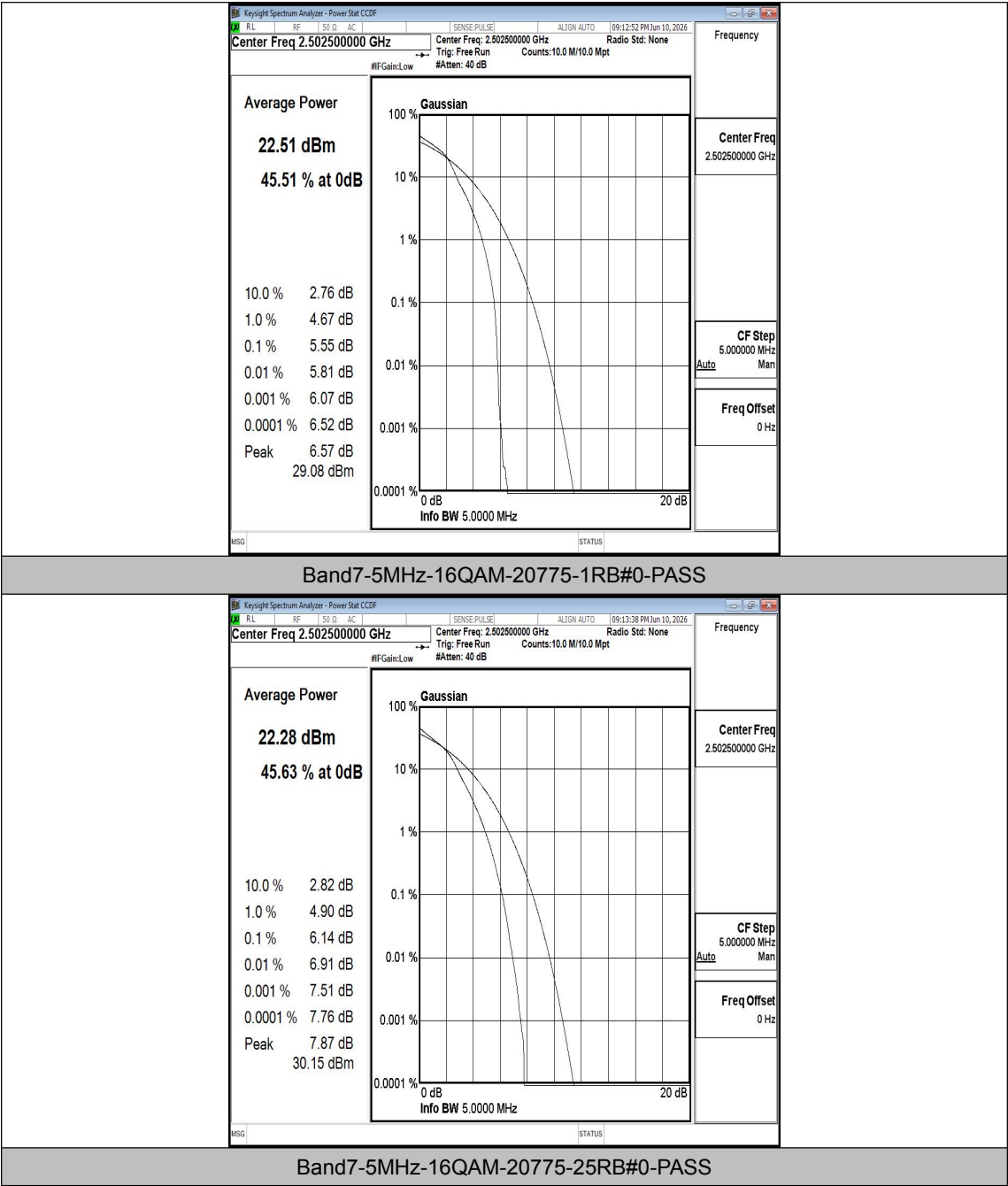
Test Result

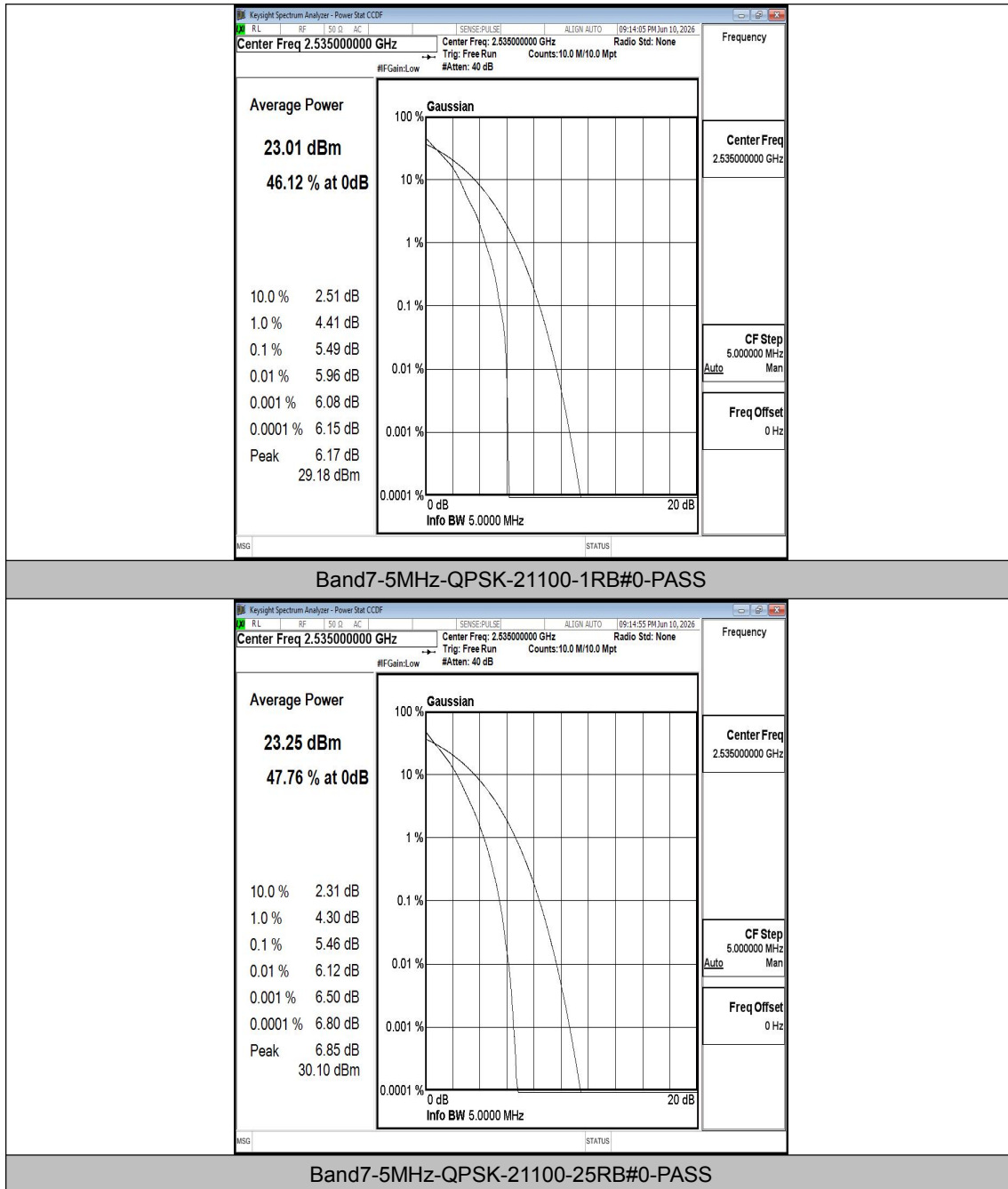
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	5.02	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.44	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.55	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.14	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.49	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.46	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.73	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.13	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	5.41	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.40	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.73	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.09	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.95	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.33	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.69	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.25	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.47	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.81	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	5.25	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.52	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	6.06	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.93	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.70	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.68	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.08	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.88	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.97	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	5.10	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.98	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.98	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.99	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.44	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.25	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.58	13	PASS

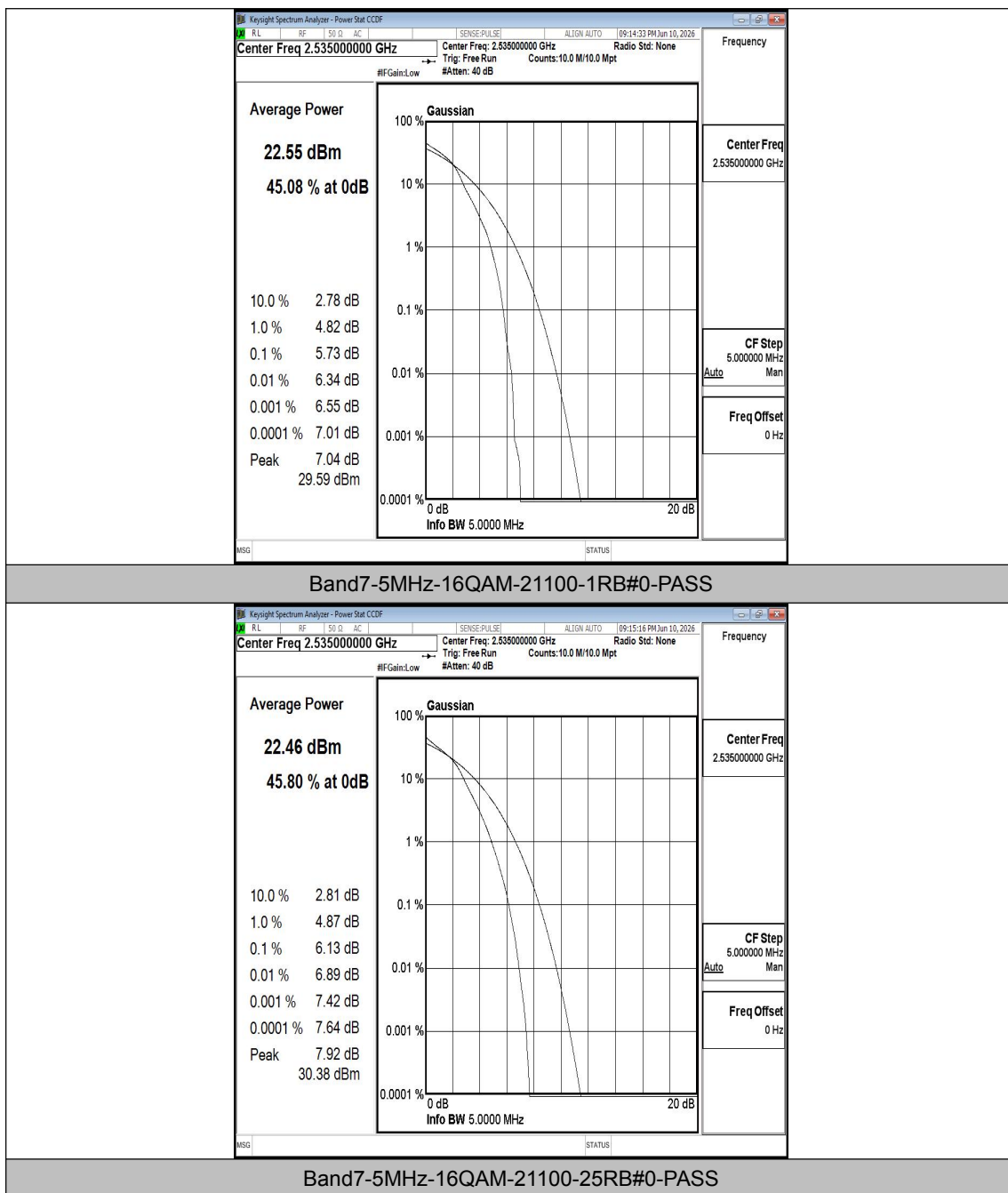
Band7	20MHz	QPSK	21350	1RB#0	5.49	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.77	13	PASS

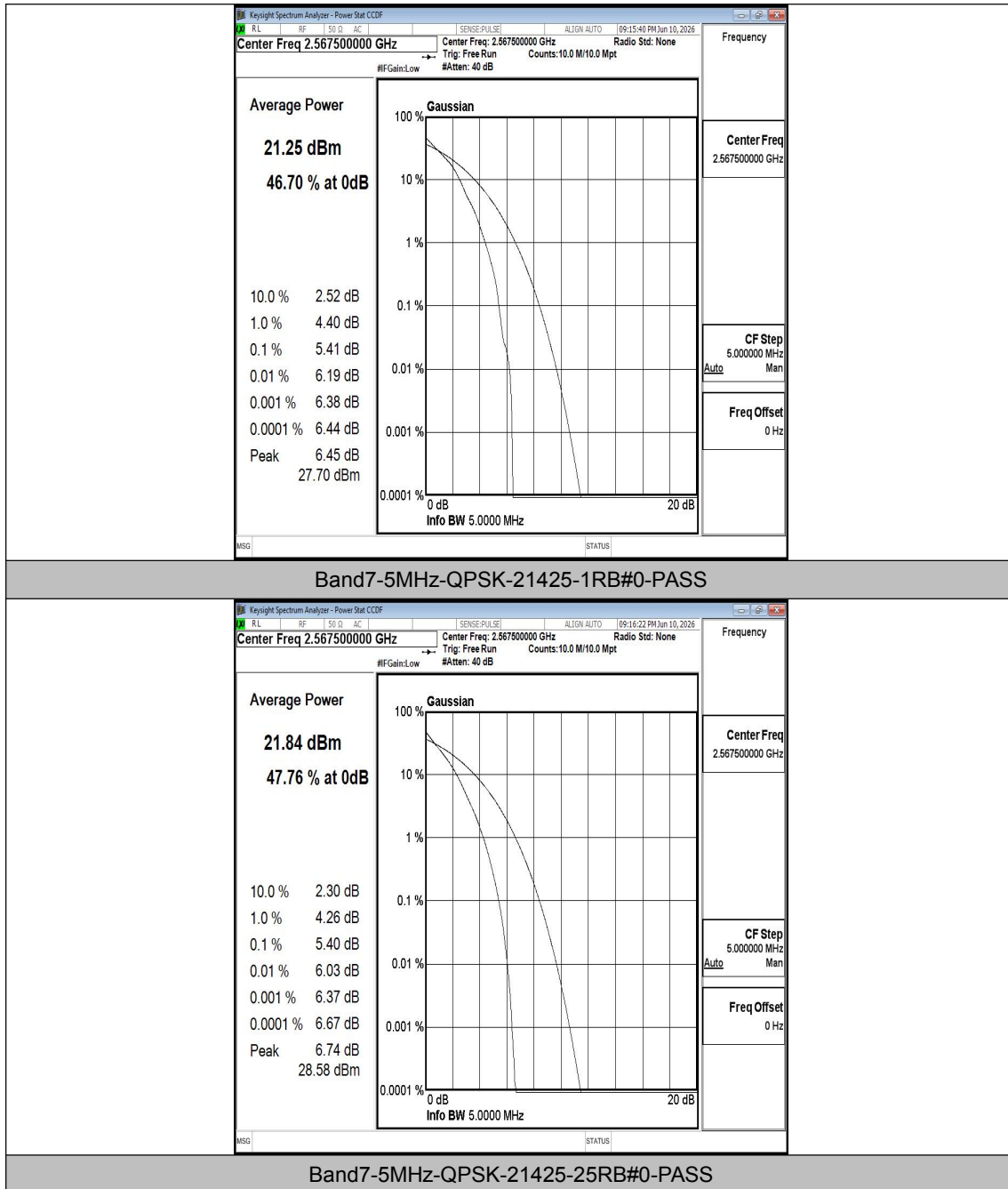
Test Graphs

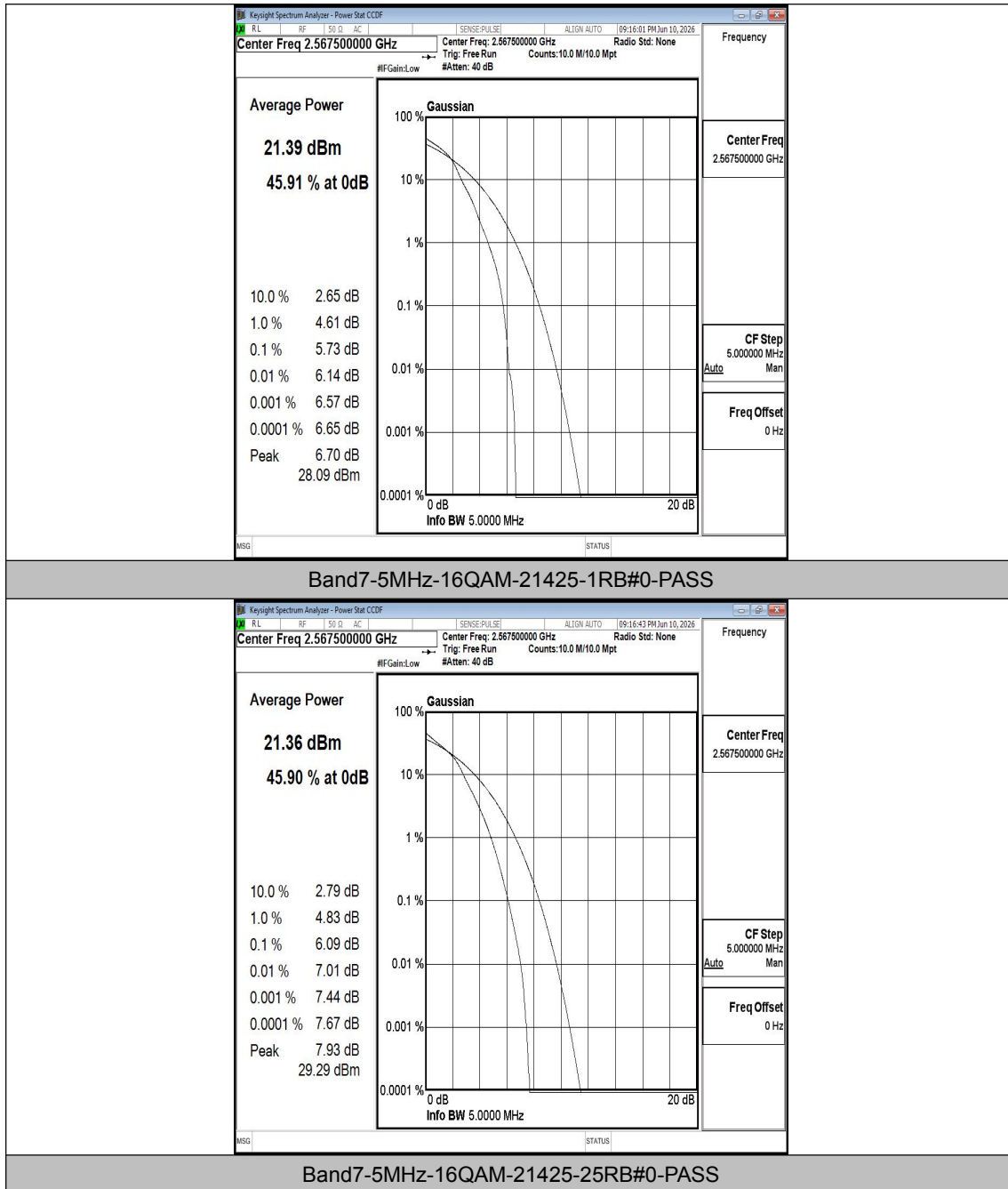


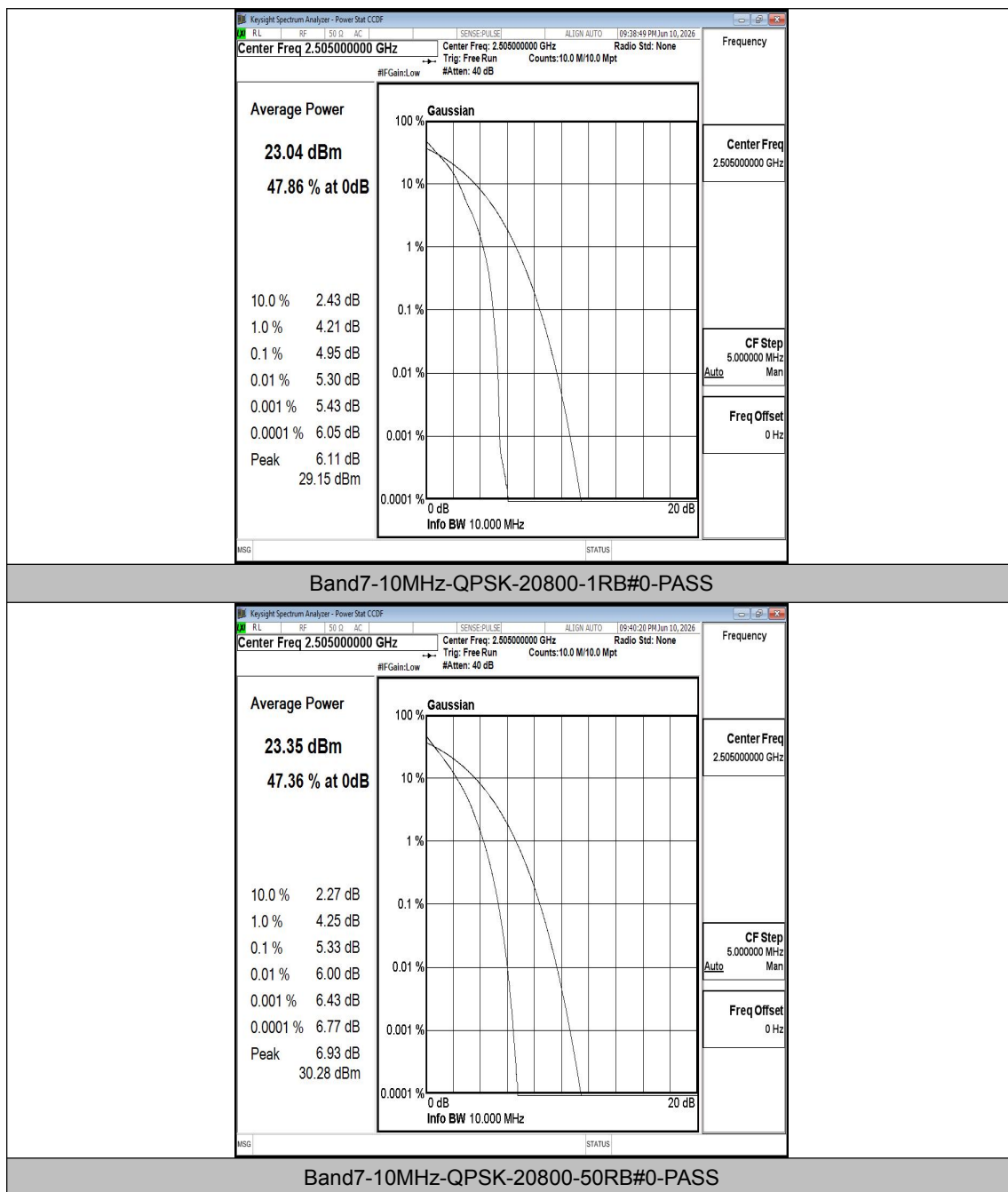


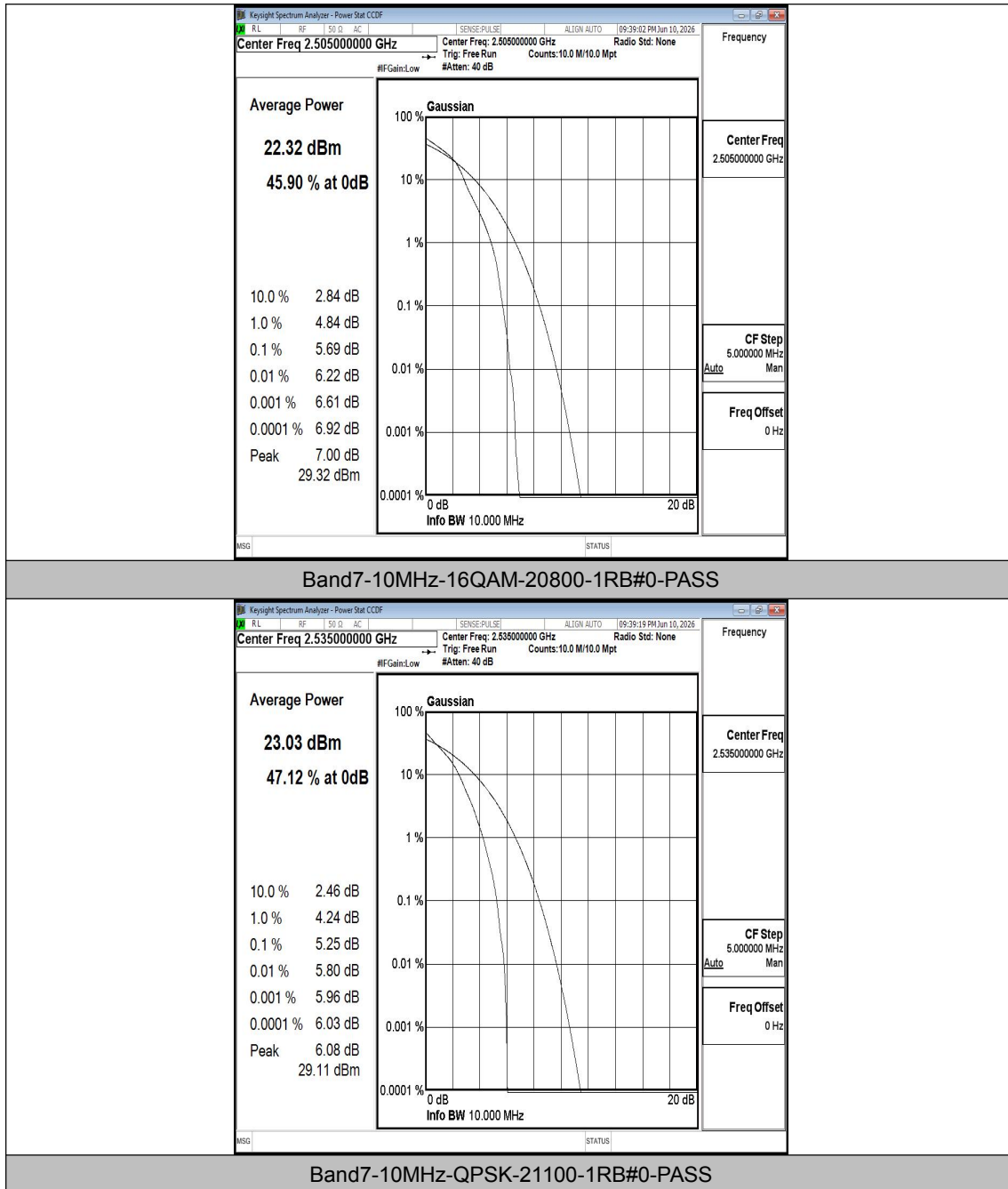


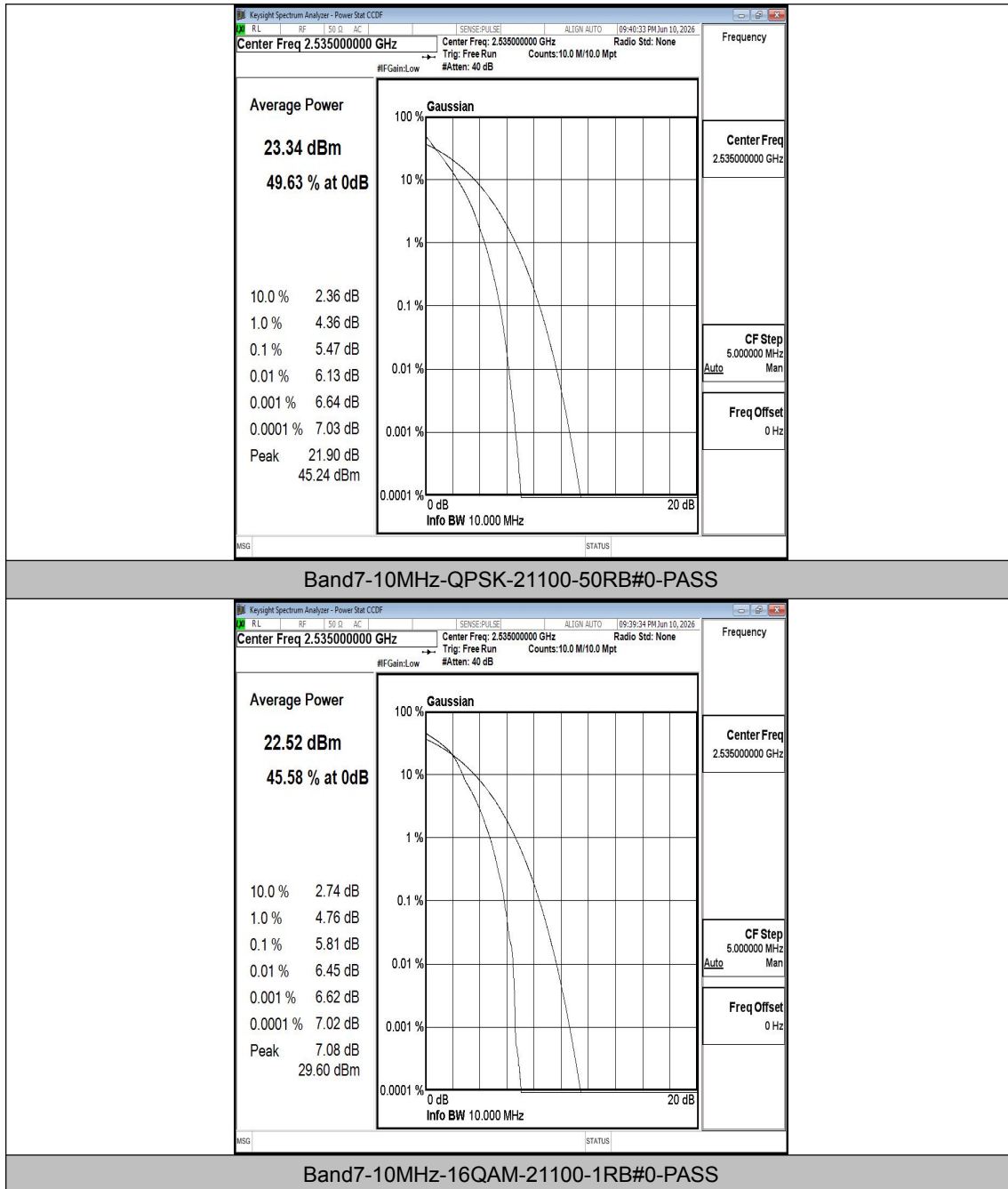


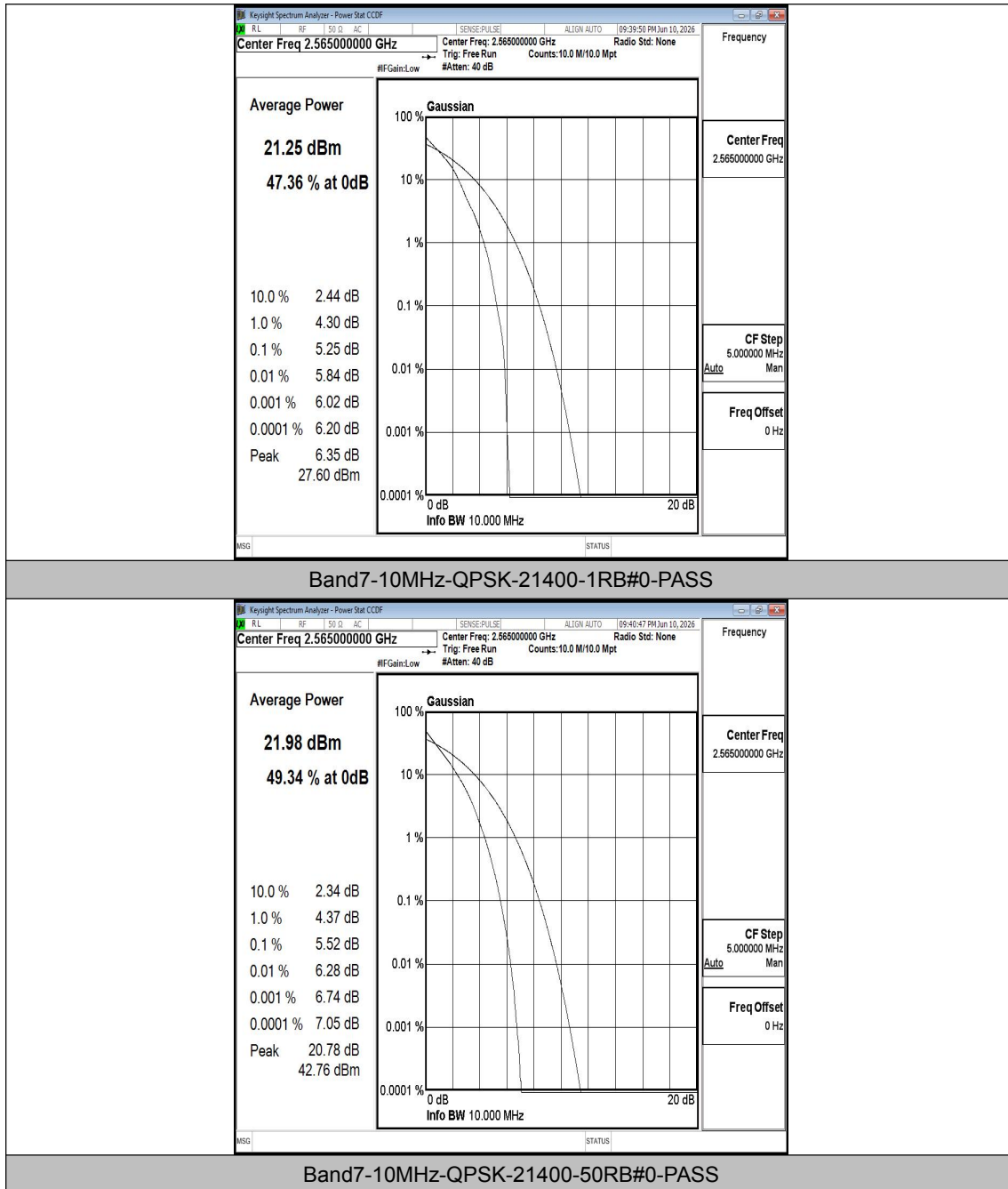


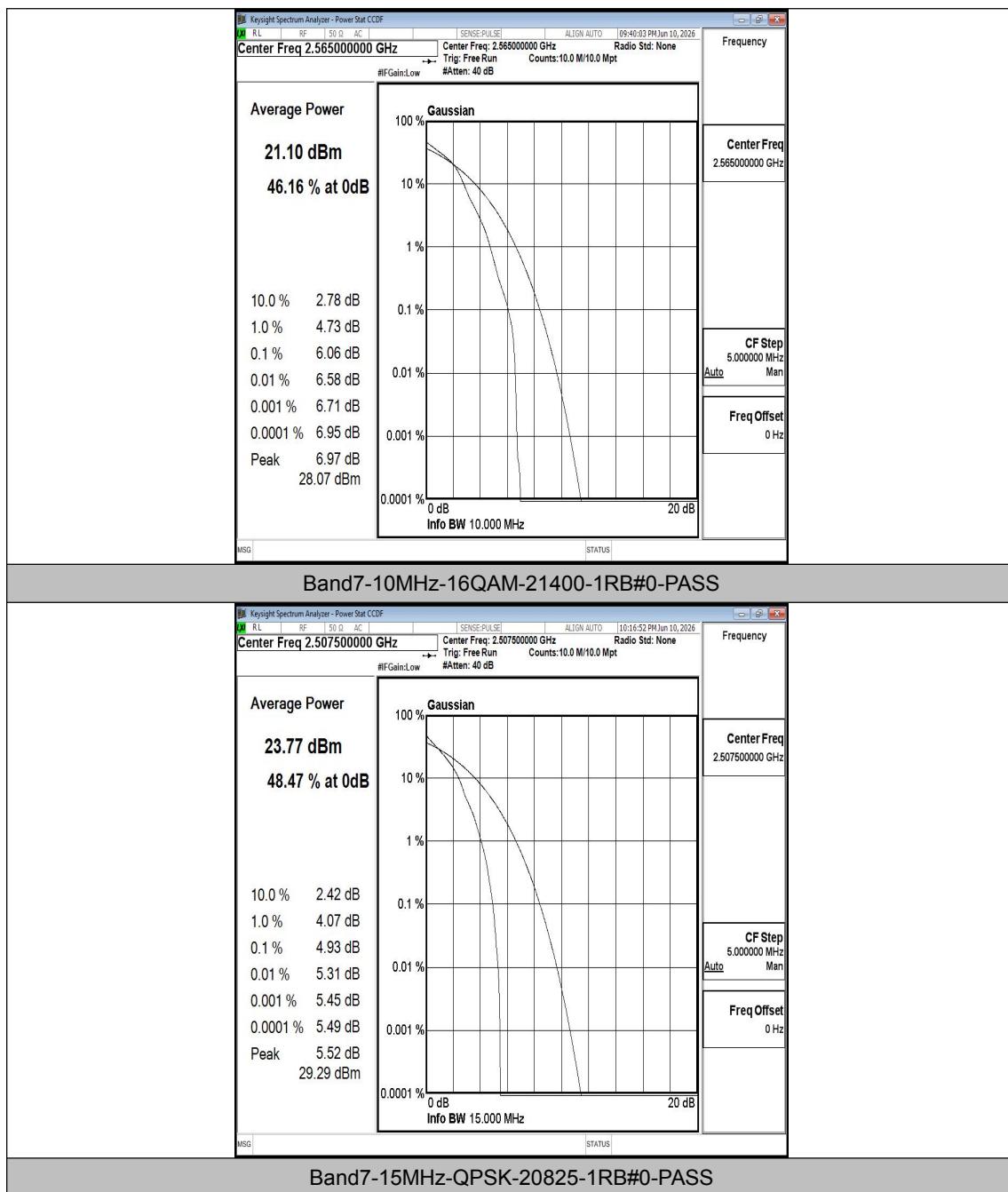


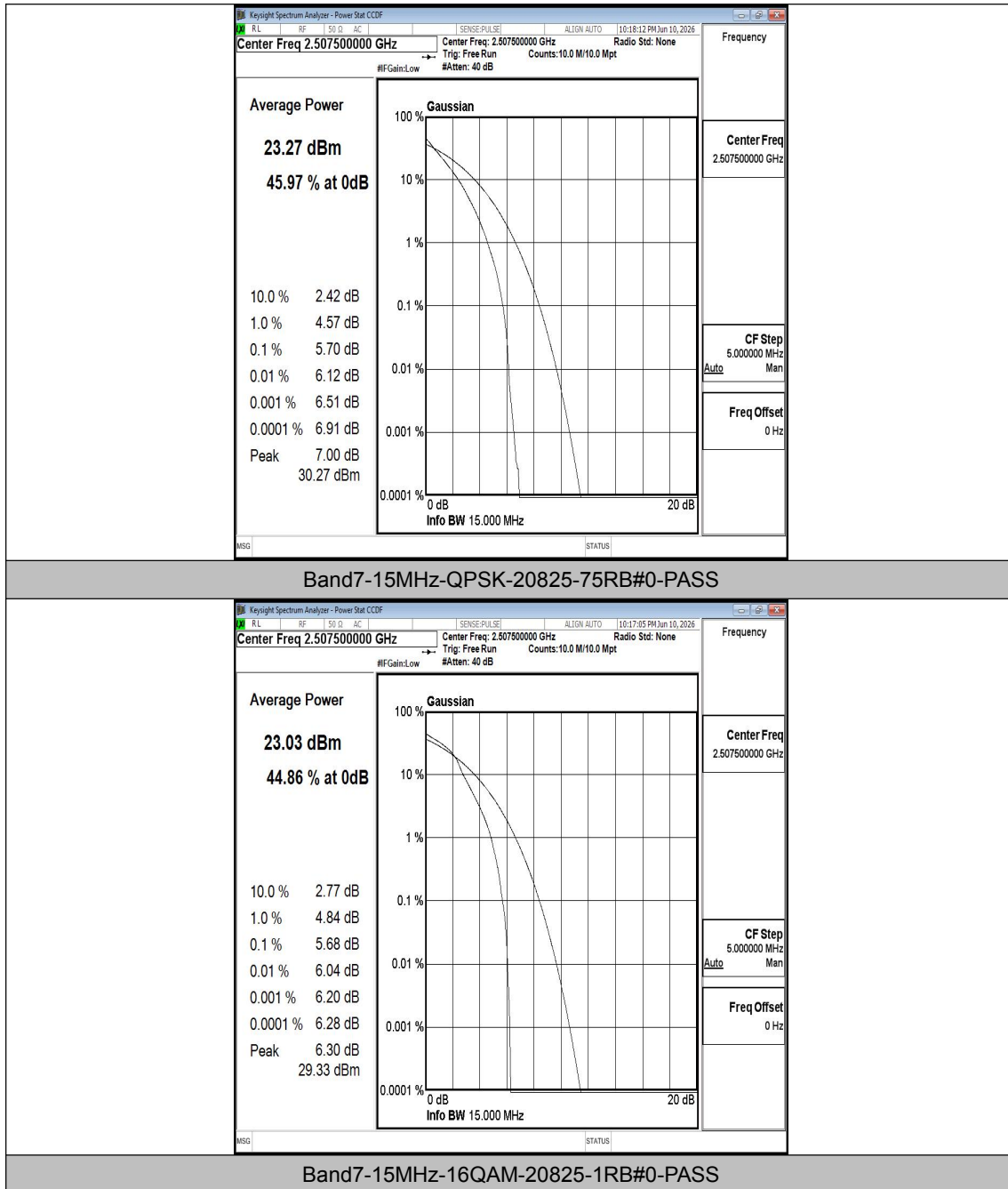


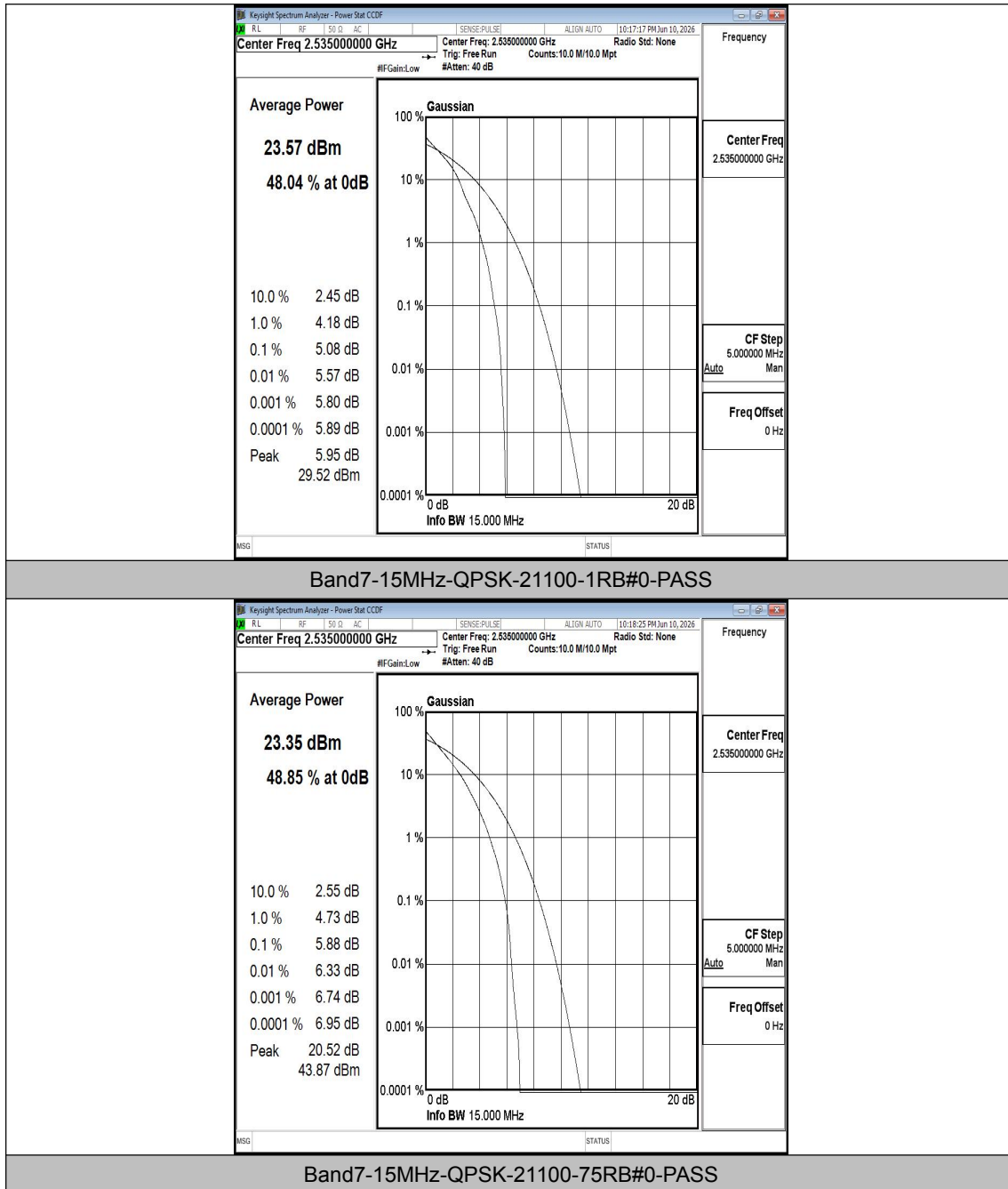


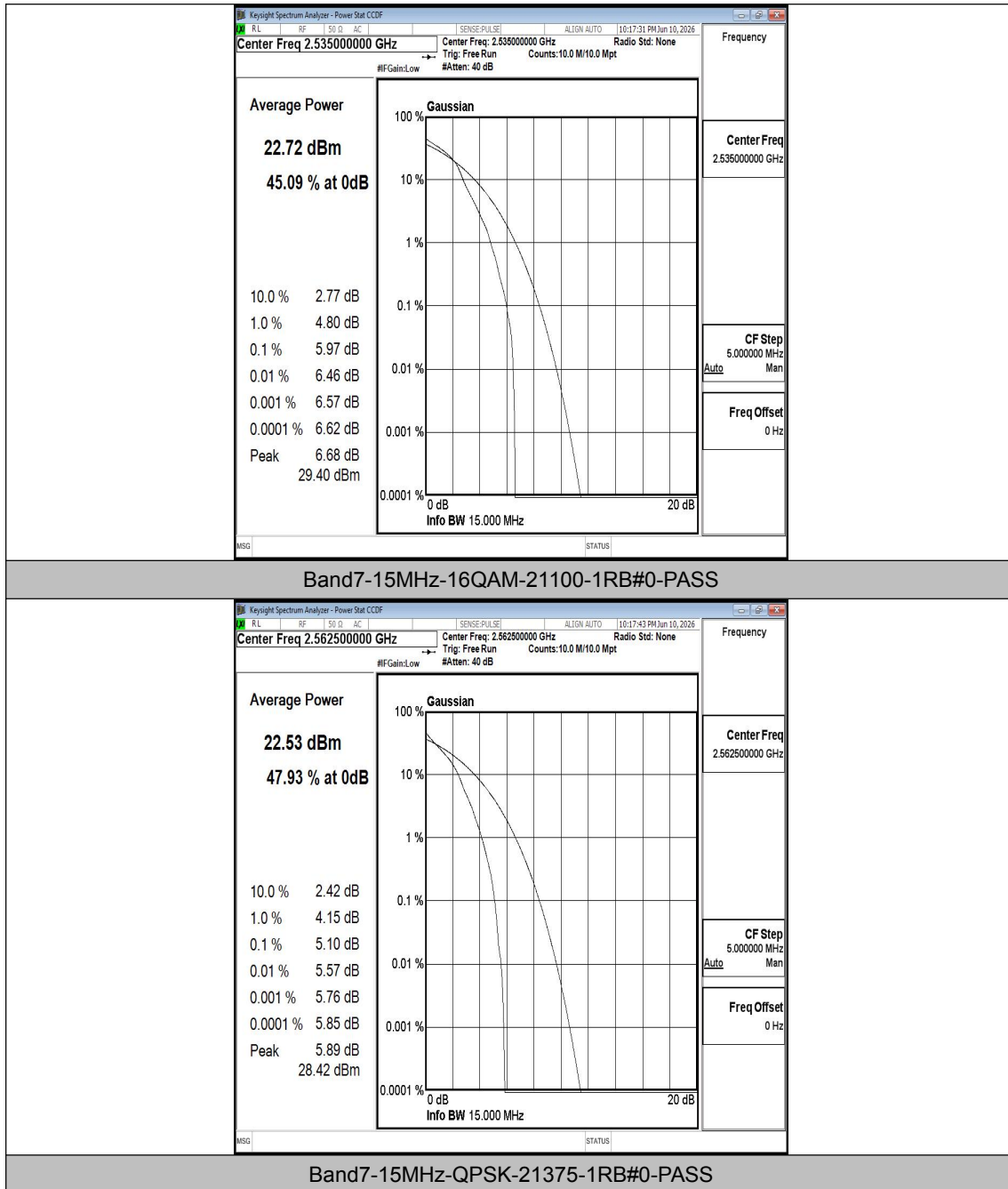


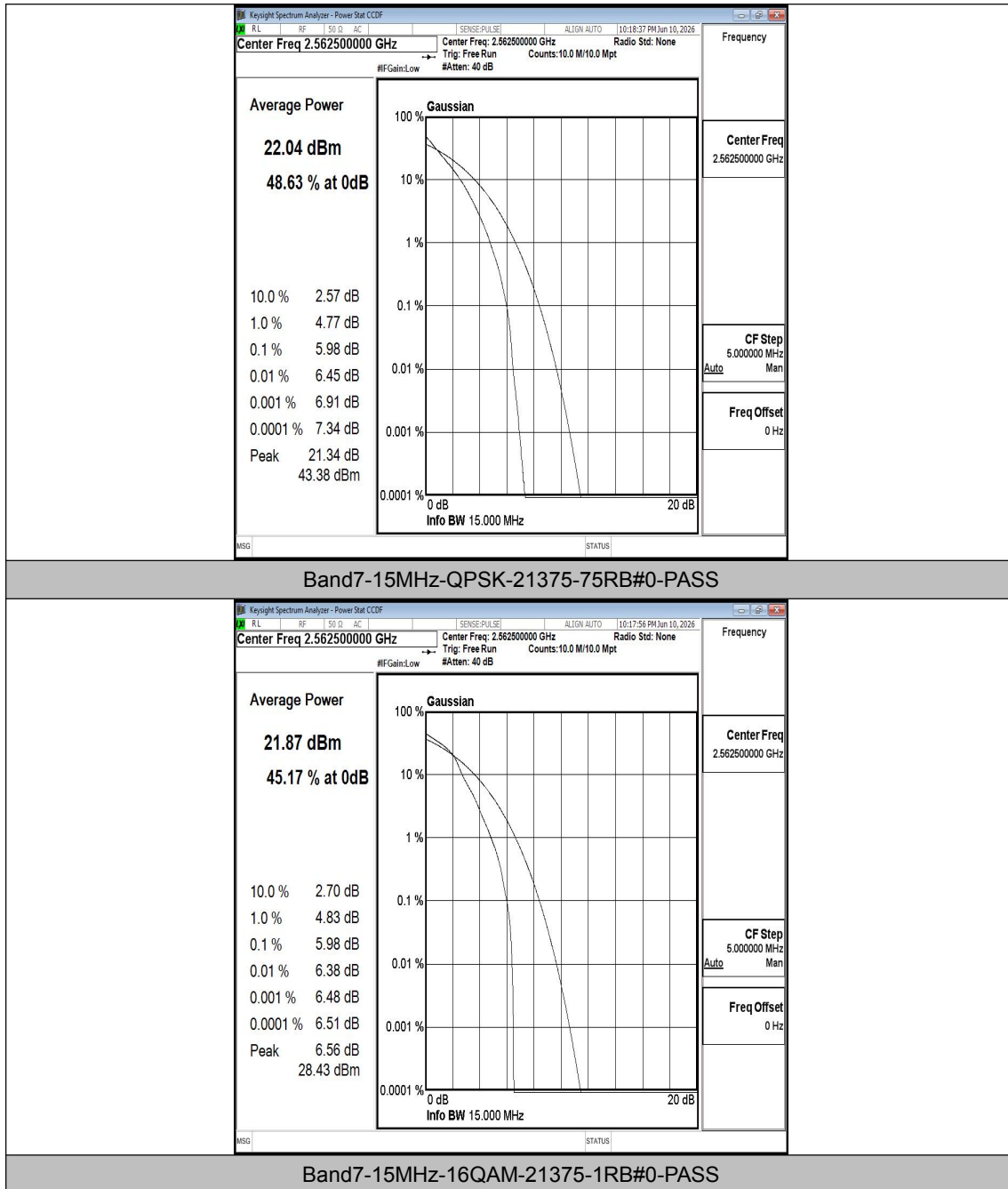


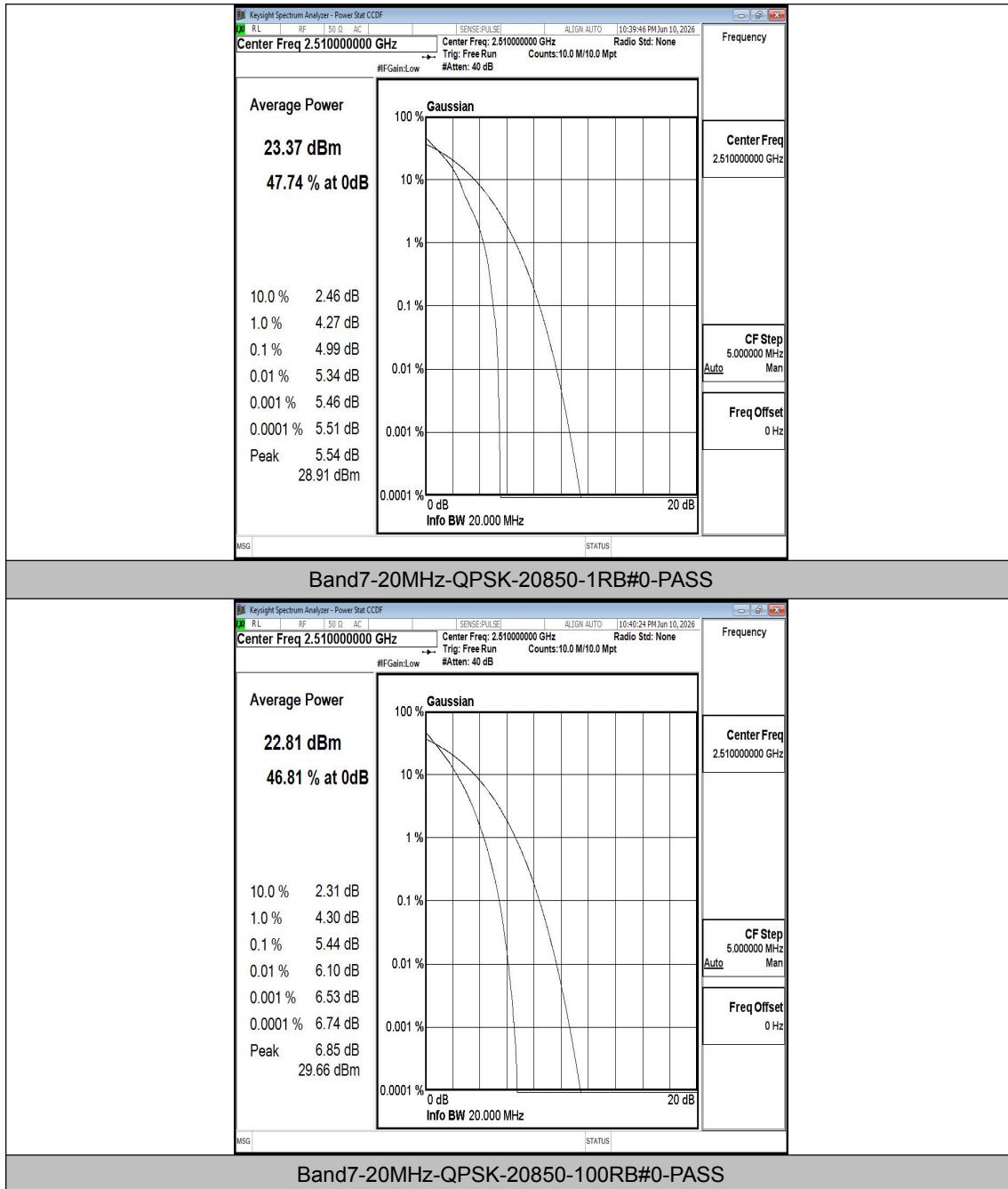


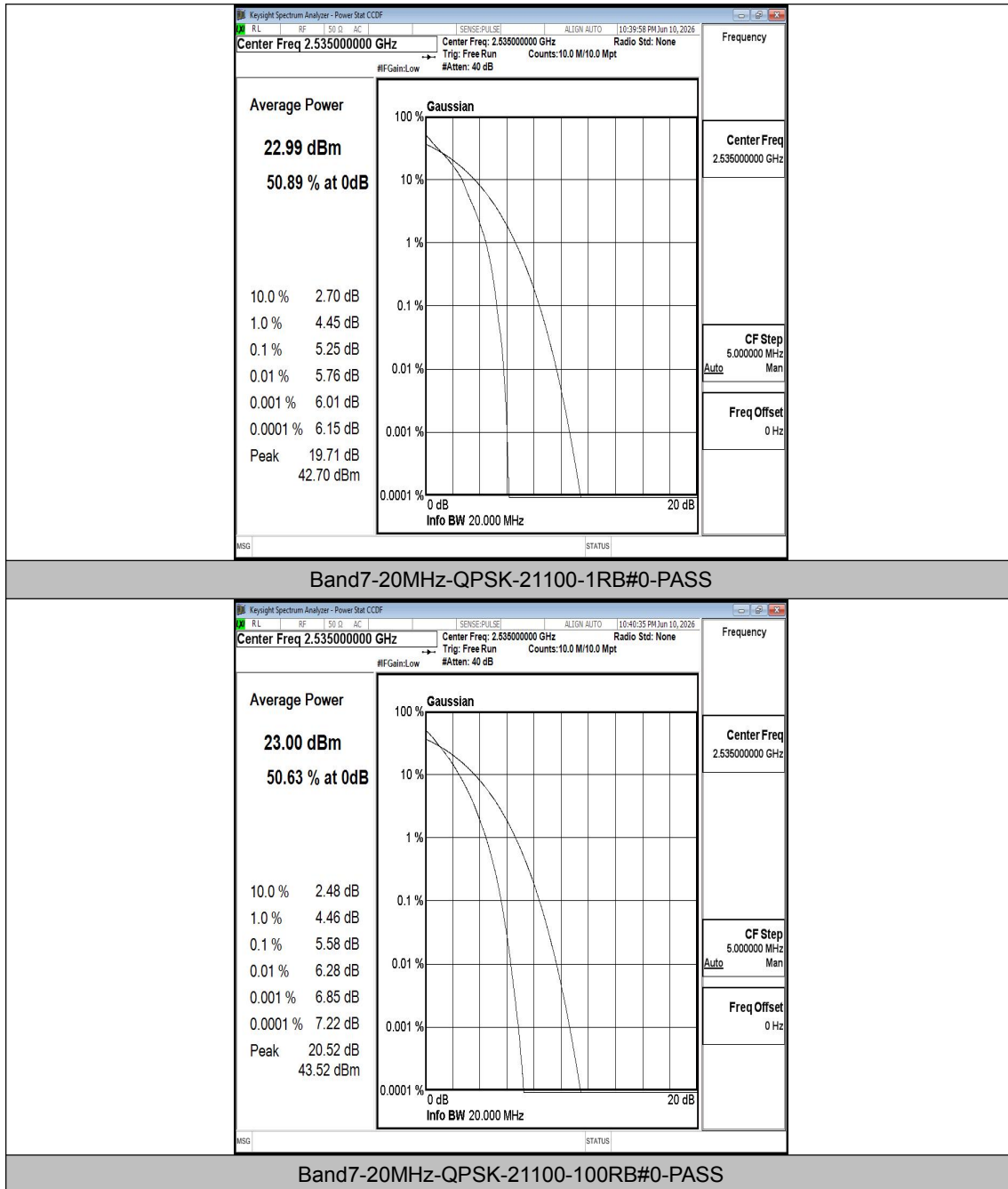


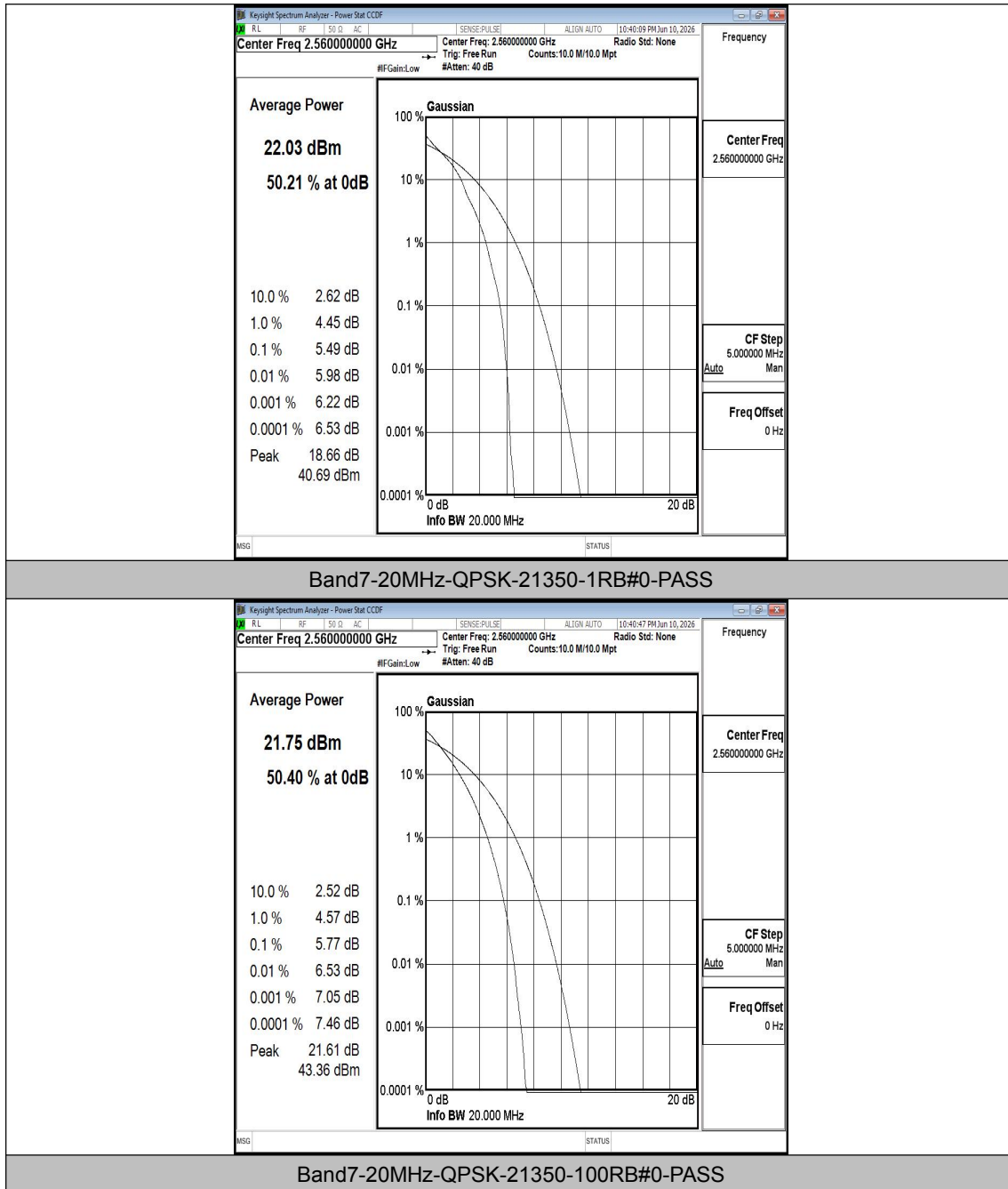












D.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4803	5.091	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4750	5.092	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4718	5.065	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4955	5.109	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4826	5.101	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4832	5.086	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9166	9.658	PASS
Band7	10MHz	16QAM	20800	27RB#0	5.1623	7.438	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9294	9.668	PASS
Band7	10MHz	16QAM	21100	27RB#0	5.1189	7.300	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9126	9.648	PASS
Band7	10MHz	16QAM	21400	27RB#0	5.2057	7.965	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.566	16.34	PASS
Band7	15MHz	16QAM	20825	27RB#0	5.6856	9.020	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.513	16.61	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.6826	8.817	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.503	16.38	PASS
Band7	15MHz	16QAM	21375	27RB#0	6.0419	10.37	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.041	21.05	PASS
Band7	20MHz	16QAM	20850	27RB#0	6.4443	10.47	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.966	21.02	PASS
Band7	20MHz	16QAM	21100	27RB#0	7.4080	10.56	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.997	21.15	PASS
Band7	20MHz	16QAM	21350	27RB#0	6.9320	10.92	PASS

Test Graphs

