

Appendix D: Test Data for CatM1 Band 66

Product Name: GPS 4G Tracker Scout (CATM)
Test Model: GPS 4G Tracker Scout (CATM)

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 Size	RB Start	NBIndex	Conducted Power (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1	0	Low	22.03	PASS
Band66	1.4MHz	16QAM	131979	1	0	Low	21.88	PASS
Band66	1.4MHz	QPSK	131979	1	5	Low	22.57	PASS
Band66	1.4MHz	16QAM	131979	1	5	Low	21.80	PASS
Band66	1.4MHz	QPSK	131979	6	0	Low	20.81	PASS
Band66	1.4MHz	16QAM	131979	6	0	Low	20.20	PASS
Band66	1.4MHz	QPSK	132322	1	0	Low	22.55	PASS
Band66	1.4MHz	16QAM	132322	1	0	Low	21.95	PASS
Band66	1.4MHz	QPSK	132322	1	5	Low	22.45	PASS
Band66	1.4MHz	16QAM	132322	1	5	Low	21.74	PASS
Band66	1.4MHz	QPSK	132322	6	0	Low	20.85	PASS
Band66	1.4MHz	16QAM	132322	6	0	Low	20.32	PASS
Band66	1.4MHz	QPSK	132665	1	0	High	23.24	PASS
Band66	1.4MHz	16QAM	132665	1	0	High	22.44	PASS
Band66	1.4MHz	QPSK	132665	1	5	High	23.16	PASS
Band66	1.4MHz	16QAM	132665	1	5	High	22.37	PASS
Band66	1.4MHz	QPSK	132665	6	0	High	21.45	PASS
Band66	1.4MHz	16QAM	132665	6	0	High	20.87	PASS
Band66	3MHz	QPSK	131987	1	0	Low	22.62	PASS
Band66	3MHz	16QAM	131987	1	0	Low	21.83	PASS
Band66	3MHz	QPSK	131987	1	5	Low	22.58	PASS
Band66	3MHz	16QAM	131987	1	5	Low	21.76	PASS
Band66	3MHz	QPSK	131987	6	0	Low	20.50	PASS
Band66	3MHz	16QAM	131987	6	0	Low	20.19	PASS
Band66	3MHz	QPSK	132322	1	0	Low	22.63	PASS
Band66	3MHz	16QAM	132322	1	0	Low	21.89	PASS
Band66	3MHz	QPSK	132322	1	5	Low	22.59	PASS
Band66	3MHz	16QAM	132322	1	5	Low	21.81	PASS
Band66	3MHz	QPSK	132322	6	0	Low	20.72	PASS
Band66	3MHz	16QAM	132322	6	0	Low	20.32	PASS
Band66	3MHz	QPSK	132657	1	0	High	23.30	PASS
Band66	3MHz	16QAM	132657	1	0	High	22.41	PASS
Band66	3MHz	QPSK	132657	1	5	High	23.19	PASS
Band66	3MHz	16QAM	132657	1	5	High	22.37	PASS
Band66	3MHz	QPSK	132657	6	0	High	21.37	PASS

Band66	3MHz	16QAM	132657	6	0	High	20.97	PASS
Band66	5MHz	QPSK	131997	1	0	Low	23.49	PASS
Band66	5MHz	16QAM	131997	1	0	Low	23.58	PASS
Band66	5MHz	QPSK	131997	1	5	Low	23.45	PASS
Band66	5MHz	16QAM	131997	1	5	Low	23.51	PASS
Band66	5MHz	QPSK	131997	6	0	Low	22.21	PASS
Band66	5MHz	16QAM	131997	6	0	Low	20.70	PASS
Band66	5MHz	QPSK	132322	1	0	Low	23.18	PASS
Band66	5MHz	16QAM	132322	1	0	Low	23.23	PASS
Band66	5MHz	QPSK	132322	1	5	Low	23.28	PASS
Band66	5MHz	16QAM	132322	1	5	Low	23.27	PASS
Band66	5MHz	QPSK	132322	6	0	Low	22.21	PASS
Band66	5MHz	16QAM	132322	6	0	Low	20.56	PASS
Band66	5MHz	QPSK	132647	1	0	High	23.88	PASS
Band66	5MHz	16QAM	132647	1	0	High	23.92	PASS
Band66	5MHz	QPSK	132647	1	5	High	23.91	PASS
Band66	5MHz	16QAM	132647	1	5	High	23.90	PASS
Band66	5MHz	QPSK	132647	6	0	High	22.82	PASS
Band66	5MHz	16QAM	132647	6	0	High	21.40	PASS
Band66	10MHz	QPSK	132022	1	0	Low	22.91	PASS
Band66	10MHz	16QAM	132022	1	0	Low	23.04	PASS
Band66	10MHz	QPSK	132022	1	5	Low	22.92	PASS
Band66	10MHz	16QAM	132022	1	5	Low	22.99	PASS
Band66	10MHz	QPSK	132022	6	0	Low	22.14	PASS
Band66	10MHz	16QAM	132022	6	0	Low	20.65	PASS
Band66	10MHz	QPSK	132322	1	0	Low	23.11	PASS
Band66	10MHz	16QAM	132322	1	0	Low	23.17	PASS
Band66	10MHz	QPSK	132322	1	5	Low	23.21	PASS
Band66	10MHz	16QAM	132322	1	5	Low	23.25	PASS
Band66	10MHz	QPSK	132322	6	0	Low	22.12	PASS
Band66	10MHz	16QAM	132322	6	0	Low	20.83	PASS
Band66	10MHz	QPSK	132622	1	0	High	23.58	PASS
Band66	10MHz	16QAM	132622	1	0	High	23.63	PASS
Band66	10MHz	QPSK	132622	1	5	High	23.63	PASS
Band66	10MHz	16QAM	132622	1	5	High	23.62	PASS
Band66	10MHz	QPSK	132622	6	0	High	22.67	PASS
Band66	10MHz	16QAM	132622	6	0	High	21.51	PASS
Band66	15MHz	QPSK	132047	1	0	Low	22.92	PASS
Band66	15MHz	16QAM	132047	1	0	Low	23.17	PASS
Band66	15MHz	QPSK	132047	1	5	Low	22.93	PASS
Band66	15MHz	16QAM	132047	1	5	Low	22.99	PASS

Band66	15MHz	QPSK	132047	6	0	Low	22.86	PASS
Band66	15MHz	16QAM	132047	6	0	Low	22.58	PASS
Band66	15MHz	QPSK	132322	1	0	Low	23.31	PASS
Band66	15MHz	16QAM	132322	1	0	Low	23.35	PASS
Band66	15MHz	QPSK	132322	1	5	Low	23.33	PASS
Band66	15MHz	16QAM	132322	1	5	Low	23.30	PASS
Band66	15MHz	QPSK	132322	6	0	Low	23.16	PASS
Band66	15MHz	16QAM	132322	6	0	Low	22.70	PASS
Band66	15MHz	QPSK	132597	1	0	High	23.89	PASS
Band66	15MHz	16QAM	132597	1	0	High	23.92	PASS
Band66	15MHz	QPSK	132597	1	5	High	23.86	PASS
Band66	15MHz	16QAM	132597	1	5	High	23.85	PASS
Band66	15MHz	QPSK	132597	6	0	High	23.81	PASS
Band66	15MHz	16QAM	132597	6	0	High	23.51	PASS
Band66	20MHz	QPSK	132072	1	0	Low	23.33	PASS
Band66	20MHz	16QAM	132072	1	0	Low	23.55	PASS
Band66	20MHz	QPSK	132072	1	5	Low	23.48	PASS
Band66	20MHz	16QAM	132072	1	5	Low	23.53	PASS
Band66	20MHz	QPSK	132072	6	0	Low	23.42	PASS
Band66	20MHz	16QAM	132072	6	0	Low	22.59	PASS
Band66	20MHz	QPSK	132322	1	0	Low	23.22	PASS
Band66	20MHz	16QAM	132322	1	0	Low	23.33	PASS
Band66	20MHz	QPSK	132322	1	5	Low	23.32	PASS
Band66	20MHz	16QAM	132322	1	5	Low	23.34	PASS
Band66	20MHz	QPSK	132322	6	0	Low	23.24	PASS
Band66	20MHz	16QAM	132322	6	0	Low	22.50	PASS
Band66	20MHz	QPSK	132572	1	0	High	23.87	PASS
Band66	20MHz	16QAM	132572	1	0	High	23.91	PASS
Band66	20MHz	QPSK	132572	1	5	High	23.89	PASS
Band66	20MHz	16QAM	132572	1	5	High	23.84	PASS
Band66	20MHz	QPSK	132572	6	0	High	23.82	PASS
Band66	20MHz	16QAM	132572	6	0	High	23.69	PASS

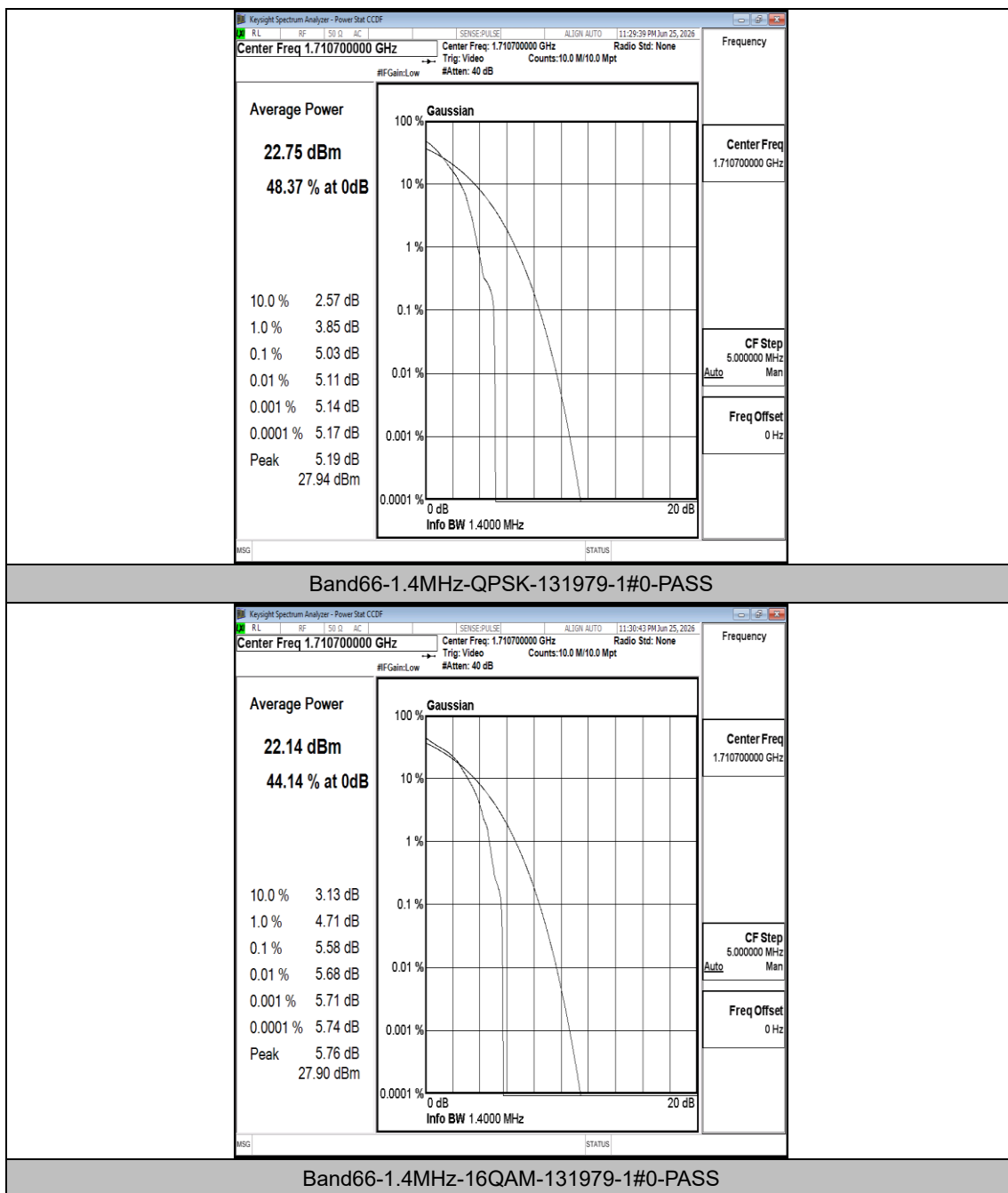
D.2 Peak-to-Average Ratio (CCDF) for M1

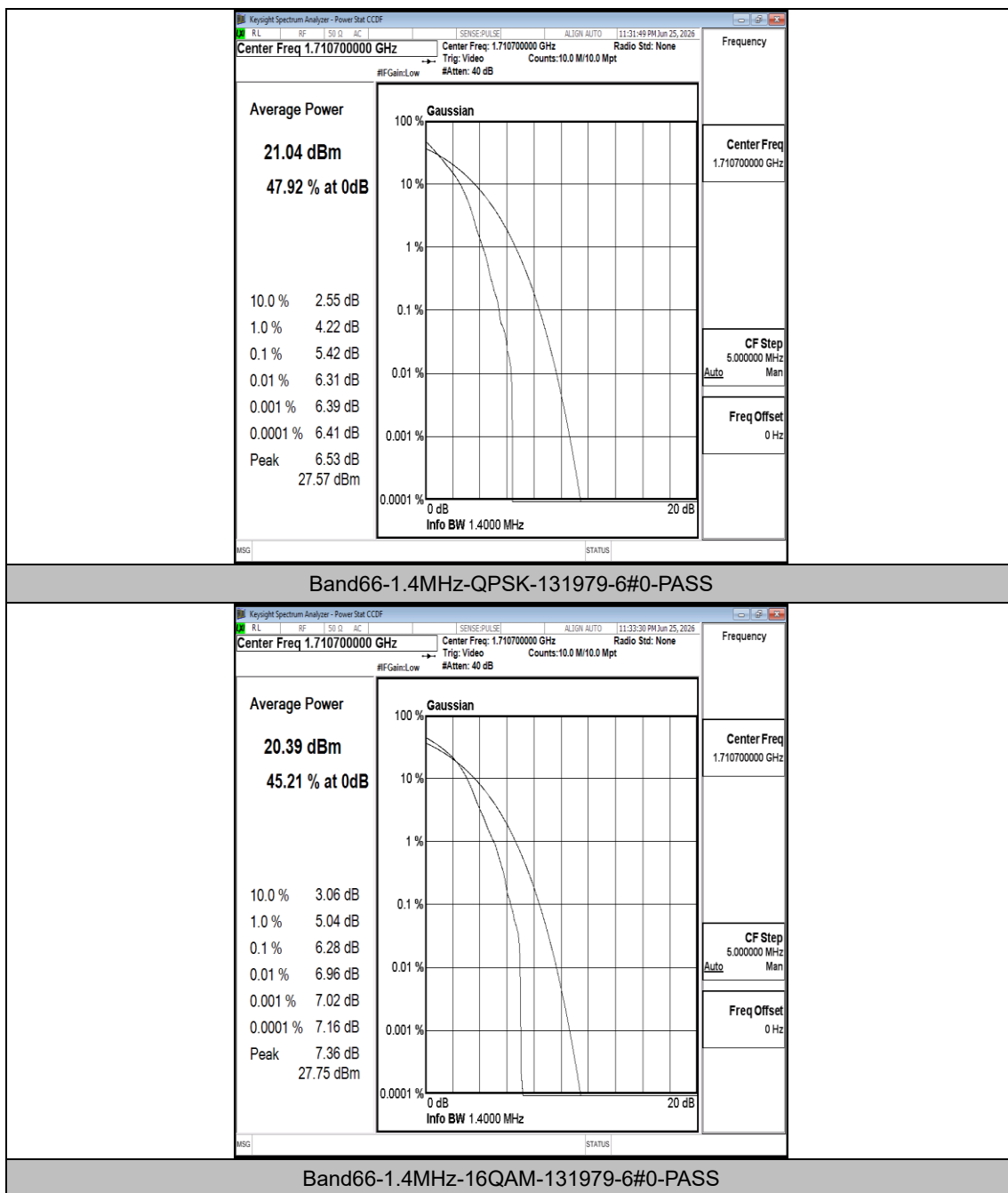
Test Result

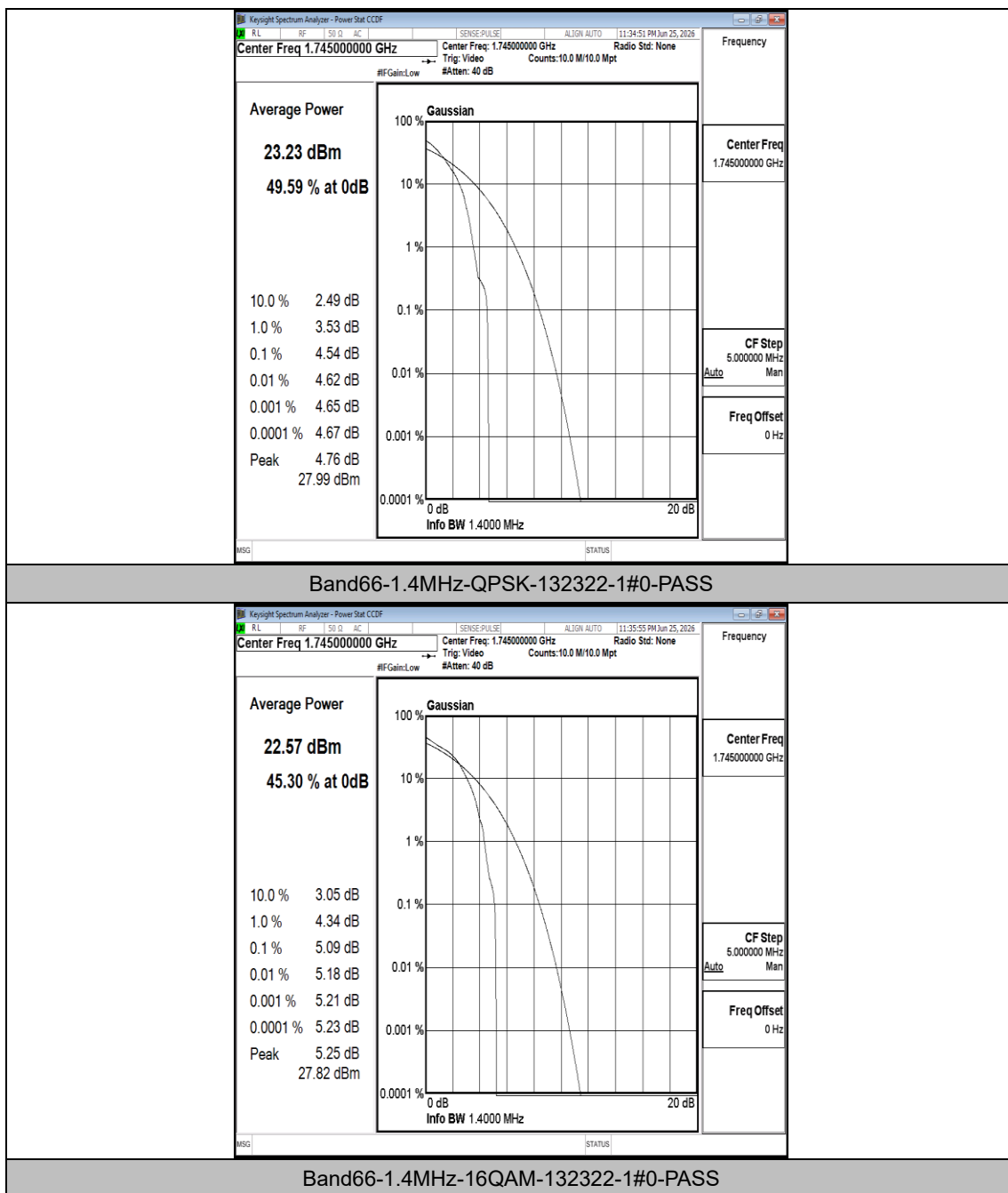
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	1	0	Low	5.03	<=13	PASS
Band66	1.4MHz	16QAM	131979	1	0	Low	5.58	<=13	PASS
Band66	1.4MHz	QPSK	131979	6	0	Low	5.42	<=13	PASS
Band66	1.4MHz	16QAM	131979	6	0	Low	6.28	<=13	PASS
Band66	1.4MHz	QPSK	132322	1	0	Low	4.54	<=13	PASS
Band66	1.4MHz	16QAM	132322	1	0	Low	5.09	<=13	PASS
Band66	1.4MHz	QPSK	132322	6	0	Low	5.25	<=13	PASS
Band66	1.4MHz	16QAM	132322	6	0	Low	6.10	<=13	PASS
Band66	1.4MHz	QPSK	132665	1	5	High	4.36	<=13	PASS
Band66	1.4MHz	16QAM	132665	1	5	High	4.98	<=13	PASS
Band66	1.4MHz	QPSK	132665	6	0	High	5.14	<=13	PASS
Band66	1.4MHz	16QAM	132665	6	0	High	6.09	<=13	PASS
Band66	3MHz	QPSK	131987	1	0	Low	4.89	<=13	PASS
Band66	3MHz	16QAM	131987	1	0	Low	5.51	<=13	PASS
Band66	3MHz	QPSK	131987	6	0	Low	5.89	<=13	PASS
Band66	3MHz	16QAM	131987	6	0	Low	6.28	<=13	PASS
Band66	3MHz	QPSK	132322	1	0	Low	4.45	<=13	PASS
Band66	3MHz	16QAM	132322	1	0	Low	5.07	<=13	PASS
Band66	3MHz	QPSK	132322	6	0	Low	5.72	<=13	PASS
Band66	3MHz	16QAM	132322	6	0	Low	6.08	<=13	PASS
Band66	3MHz	QPSK	132657	1	5	High	4.29	<=13	PASS
Band66	3MHz	16QAM	132657	1	5	High	4.96	<=13	PASS
Band66	3MHz	QPSK	132657	6	0	High	5.08	<=13	PASS
Band66	3MHz	16QAM	132657	6	0	High	6.09	<=13	PASS
Band66	5MHz	QPSK	131997	1	0	Low	4.62	<=13	PASS
Band66	5MHz	16QAM	131997	1	0	Low	4.82	<=13	PASS
Band66	5MHz	QPSK	131997	6	0	Low	5.37	<=13	PASS
Band66	5MHz	16QAM	131997	6	0	Low	6.25	<=13	PASS
Band66	5MHz	QPSK	132322	1	0	Low	4.14	<=13	PASS
Band66	5MHz	16QAM	132322	1	0	Low	4.32	<=13	PASS
Band66	5MHz	QPSK	132322	6	0	Low	4.89	<=13	PASS
Band66	5MHz	16QAM	132322	6	0	Low	5.96	<=13	PASS
Band66	5MHz	QPSK	132647	1	5	High	3.97	<=13	PASS
Band66	5MHz	16QAM	132647	1	5	High	4.31	<=13	PASS
Band66	5MHz	QPSK	132647	6	0	High	4.56	<=13	PASS

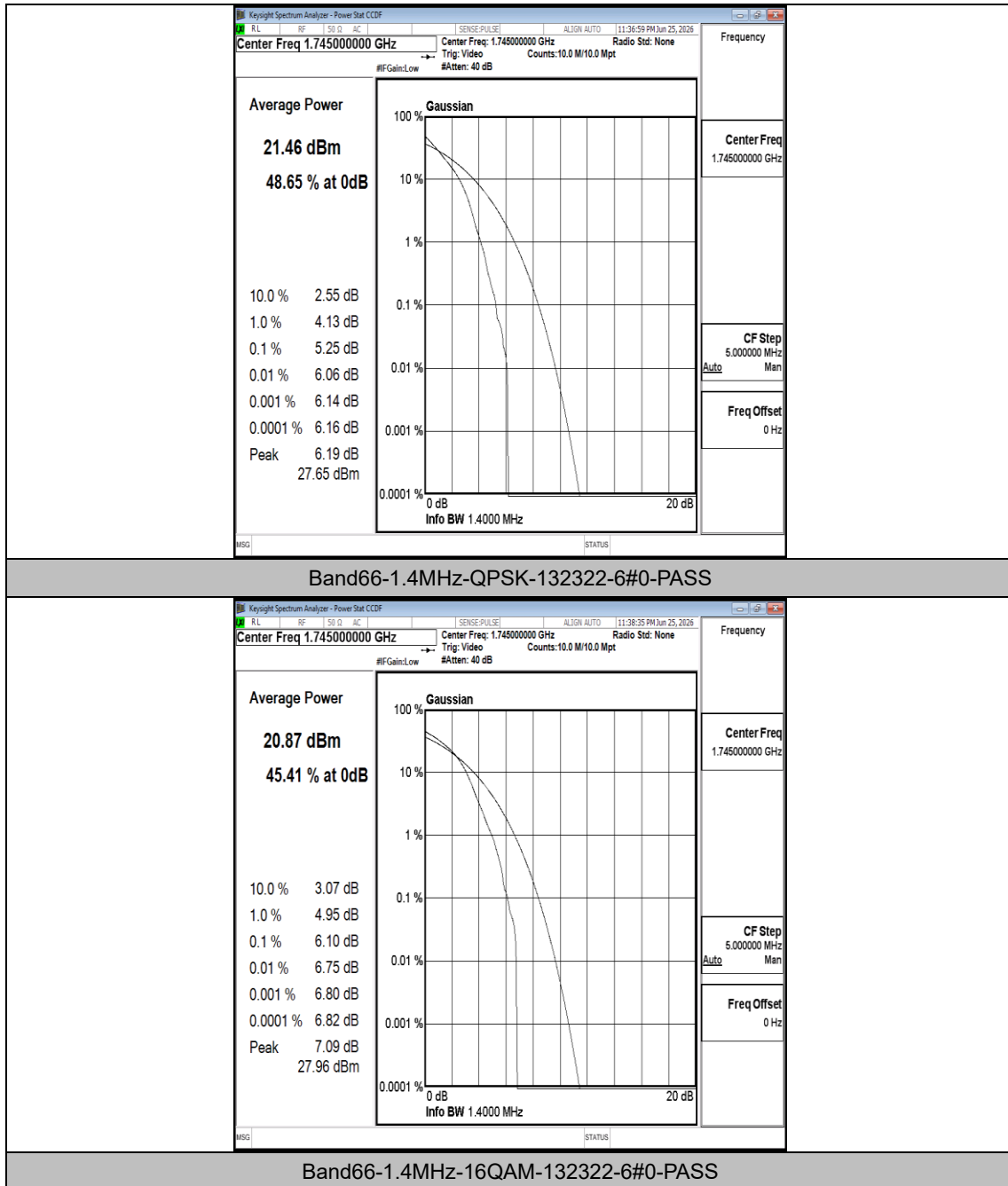
Band66	5MHz	16QAM	132647	6	0	High	5.87	<=13	PASS
Band66	10MHz	QPSK	132022	1	0	Low	4.57	<=13	PASS
Band66	10MHz	16QAM	132022	1	0	Low	4.69	<=13	PASS
Band66	10MHz	QPSK	132022	6	0	Low	5.02	<=13	PASS
Band66	10MHz	16QAM	132022	6	0	Low	6.13	<=13	PASS
Band66	10MHz	QPSK	132322	1	0	Low	4.14	<=13	PASS
Band66	10MHz	16QAM	132322	1	0	Low	4.25	<=13	PASS
Band66	10MHz	QPSK	132322	6	0	Low	4.58	<=13	PASS
Band66	10MHz	16QAM	132322	6	0	Low	5.86	<=13	PASS
Band66	10MHz	QPSK	132622	1	5	High	3.94	<=13	PASS
Band66	10MHz	16QAM	132622	1	5	High	4.26	<=13	PASS
Band66	10MHz	QPSK	132622	6	0	High	4.41	<=13	PASS
Band66	10MHz	16QAM	132622	6	0	High	5.78	<=13	PASS
Band66	15MHz	QPSK	132047	1	0	Low	4.57	<=13	PASS
Band66	15MHz	16QAM	132047	1	0	Low	4.72	<=13	PASS
Band66	15MHz	QPSK	132047	6	0	Low	4.70	<=13	PASS
Band66	15MHz	16QAM	132047	6	0	Low	5.25	<=13	PASS
Band66	15MHz	QPSK	132322	1	0	Low	4.14	<=13	PASS
Band66	15MHz	16QAM	132322	1	0	Low	4.28	<=13	PASS
Band66	15MHz	QPSK	132322	6	0	Low	4.14	<=13	PASS
Band66	15MHz	16QAM	132322	6	0	Low	4.88	<=13	PASS
Band66	15MHz	QPSK	132597	1	5	High	3.94	<=13	PASS
Band66	15MHz	16QAM	132597	1	5	High	4.20	<=13	PASS
Band66	15MHz	QPSK	132597	6	0	High	4.00	<=13	PASS
Band66	15MHz	16QAM	132597	6	0	High	4.59	<=13	PASS
Band66	20MHz	QPSK	132072	1	0	Low	4.58	<=13	PASS
Band66	20MHz	16QAM	132072	1	0	Low	4.69	<=13	PASS
Band66	20MHz	QPSK	132072	6	0	Low	4.73	<=13	PASS
Band66	20MHz	16QAM	132072	6	0	Low	5.29	<=13	PASS
Band66	20MHz	QPSK	132322	1	0	Low	4.21	<=13	PASS
Band66	20MHz	16QAM	132322	1	0	Low	4.32	<=13	PASS
Band66	20MHz	QPSK	132322	6	0	Low	4.12	<=13	PASS
Band66	20MHz	16QAM	132322	6	0	Low	4.87	<=13	PASS
Band66	20MHz	QPSK	132572	1	5	High	4.10	<=13	PASS
Band66	20MHz	16QAM	132572	1	5	High	4.23	<=13	PASS
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Band66	20MHz	16QAM	132572	6	0	High	4.52	<=13	PASS

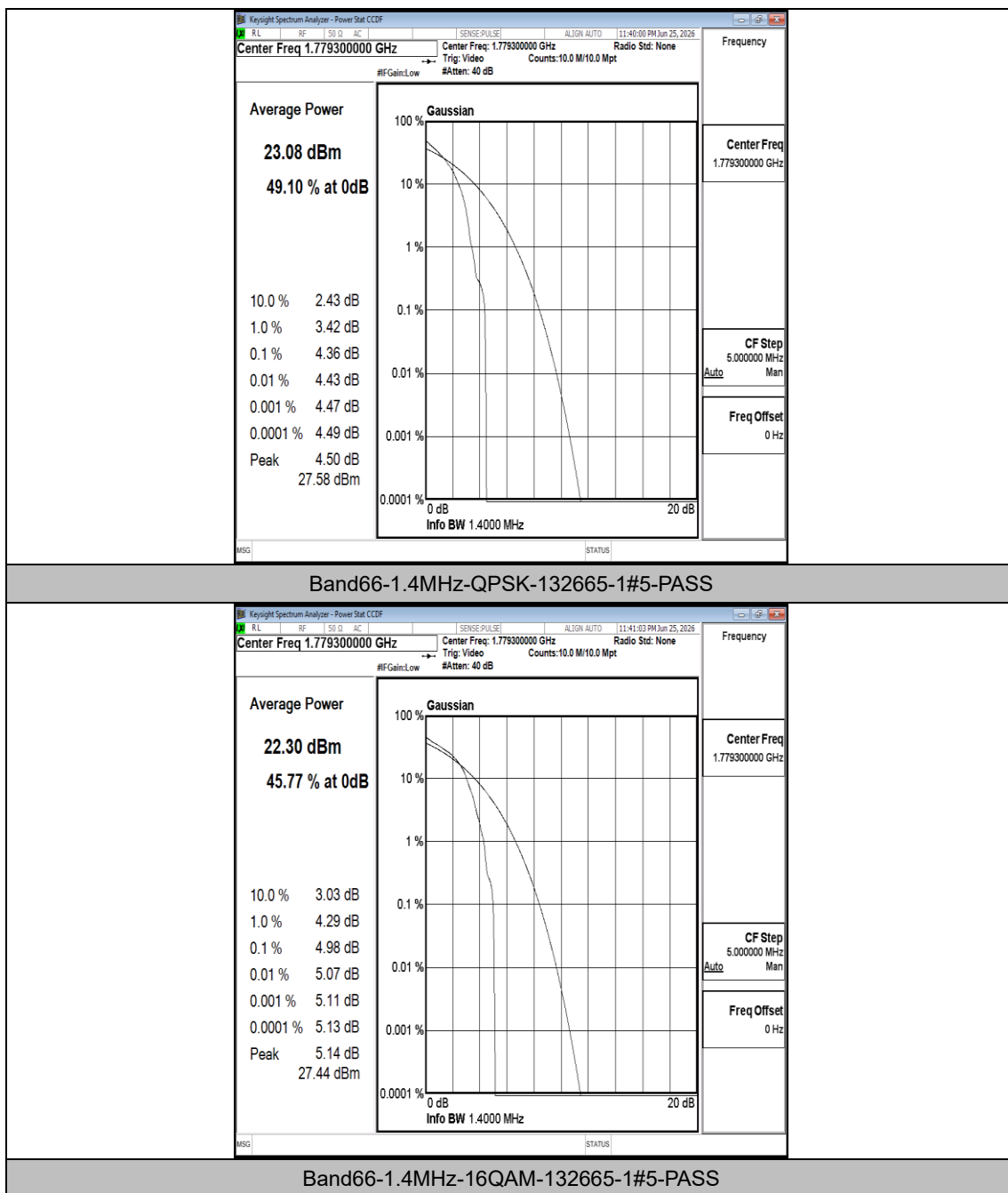
Test Graphs

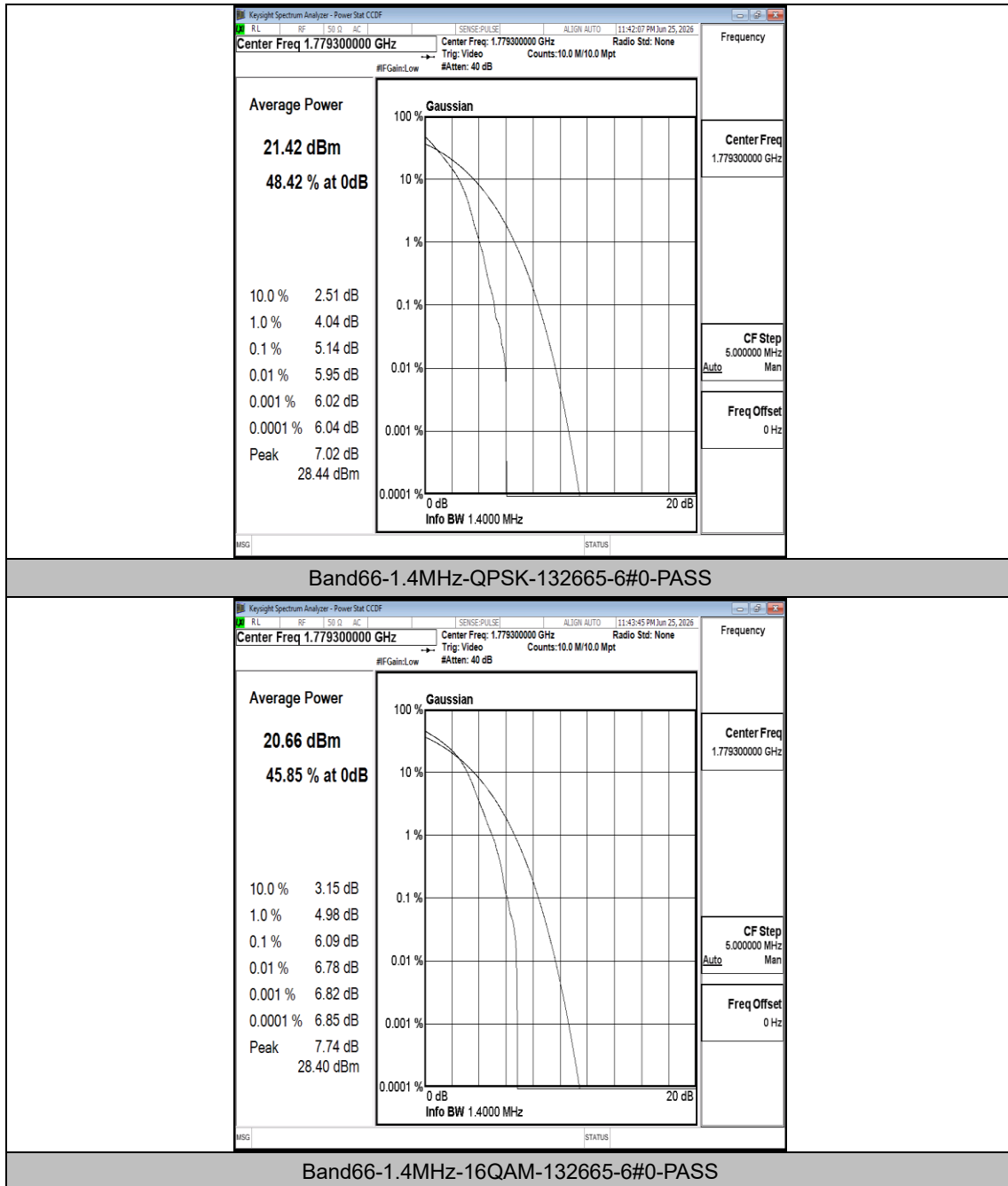


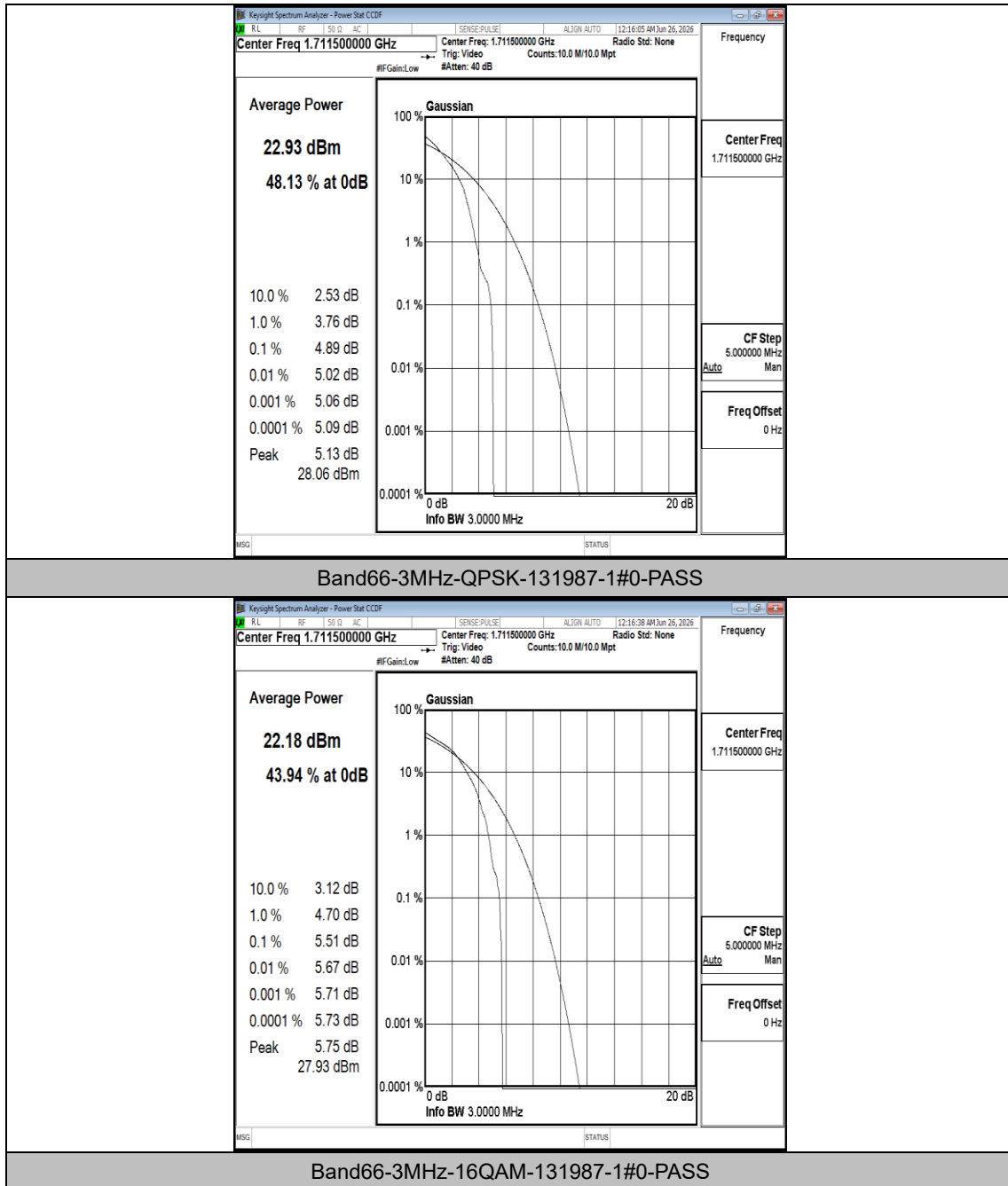


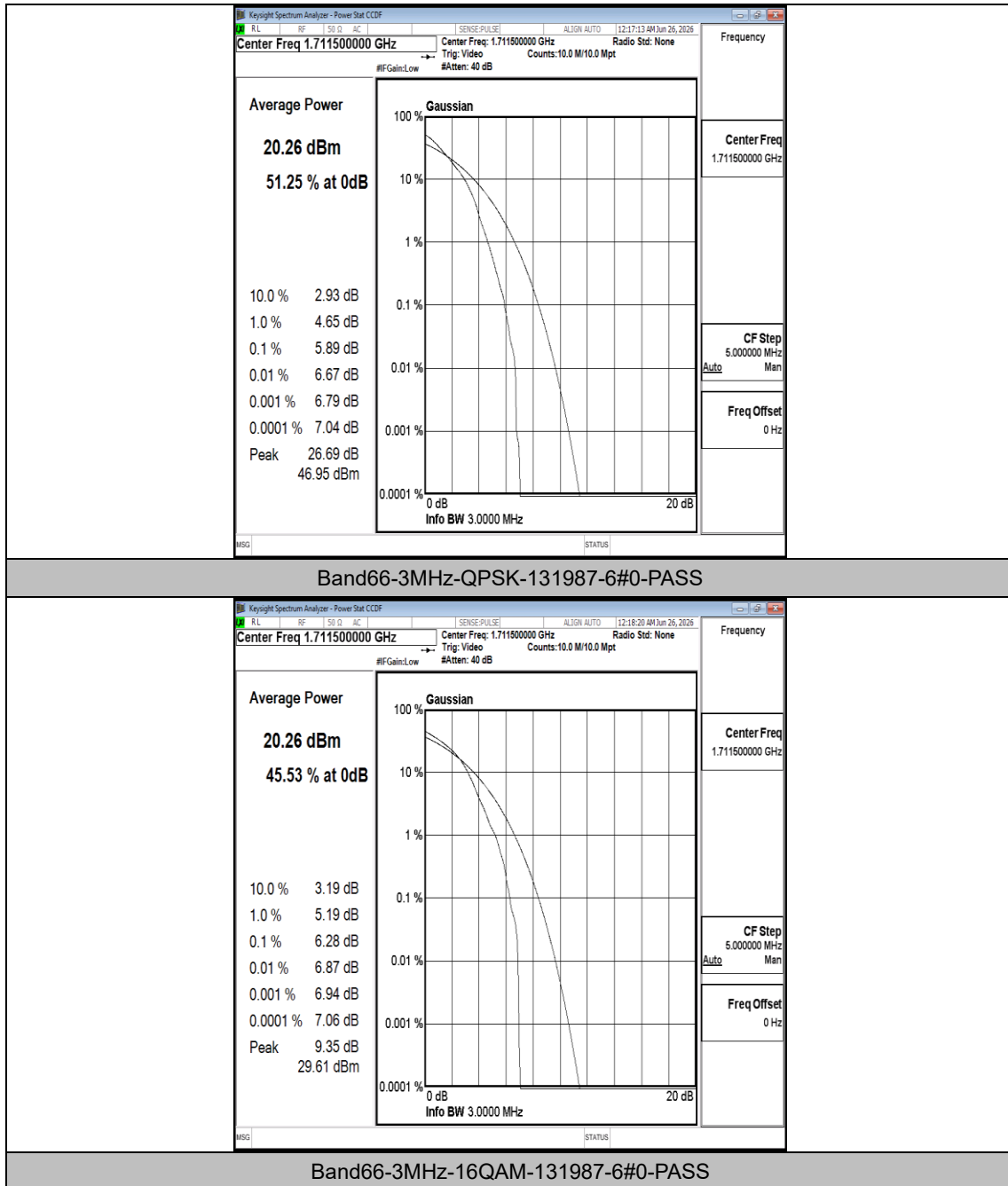


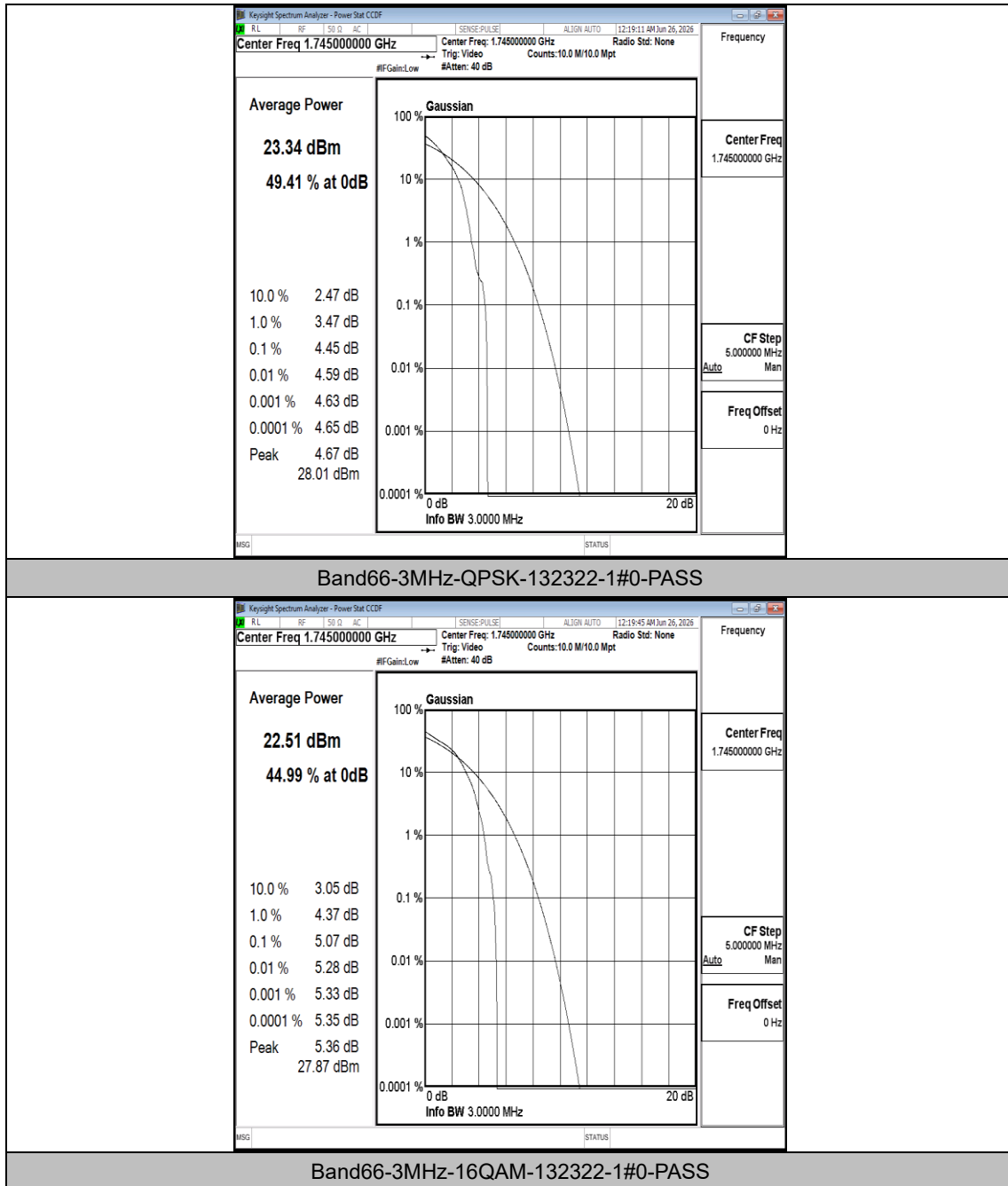


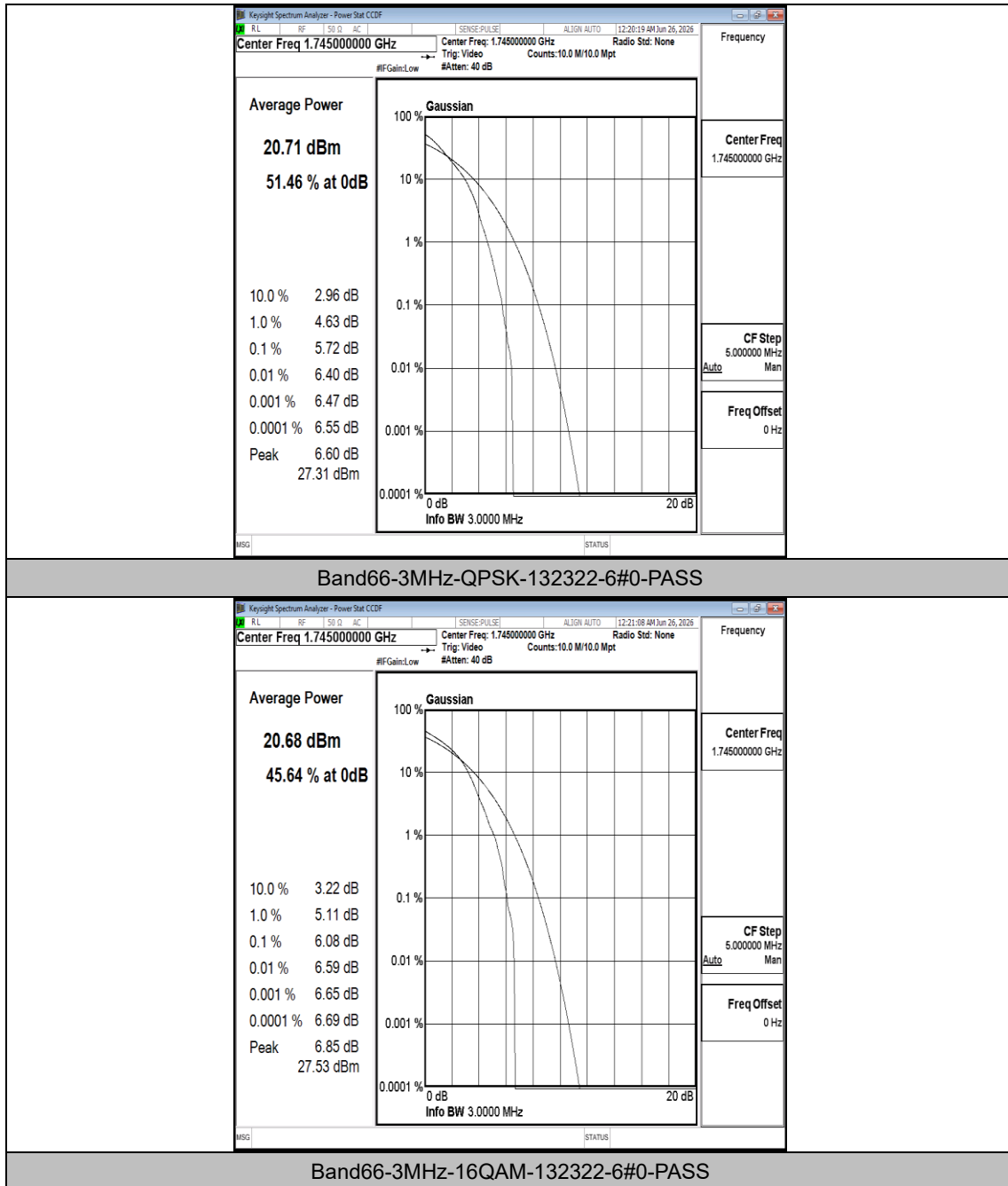


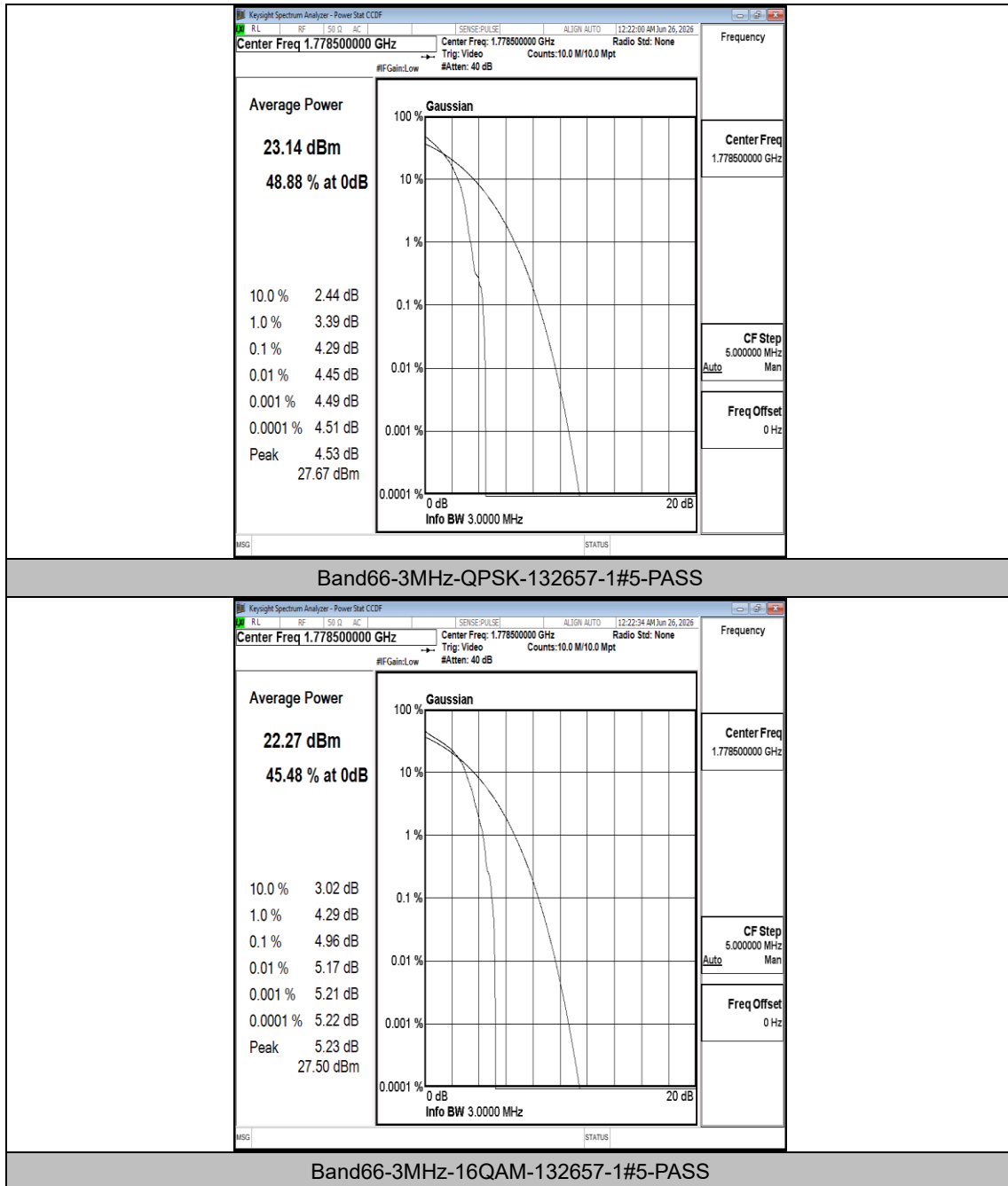


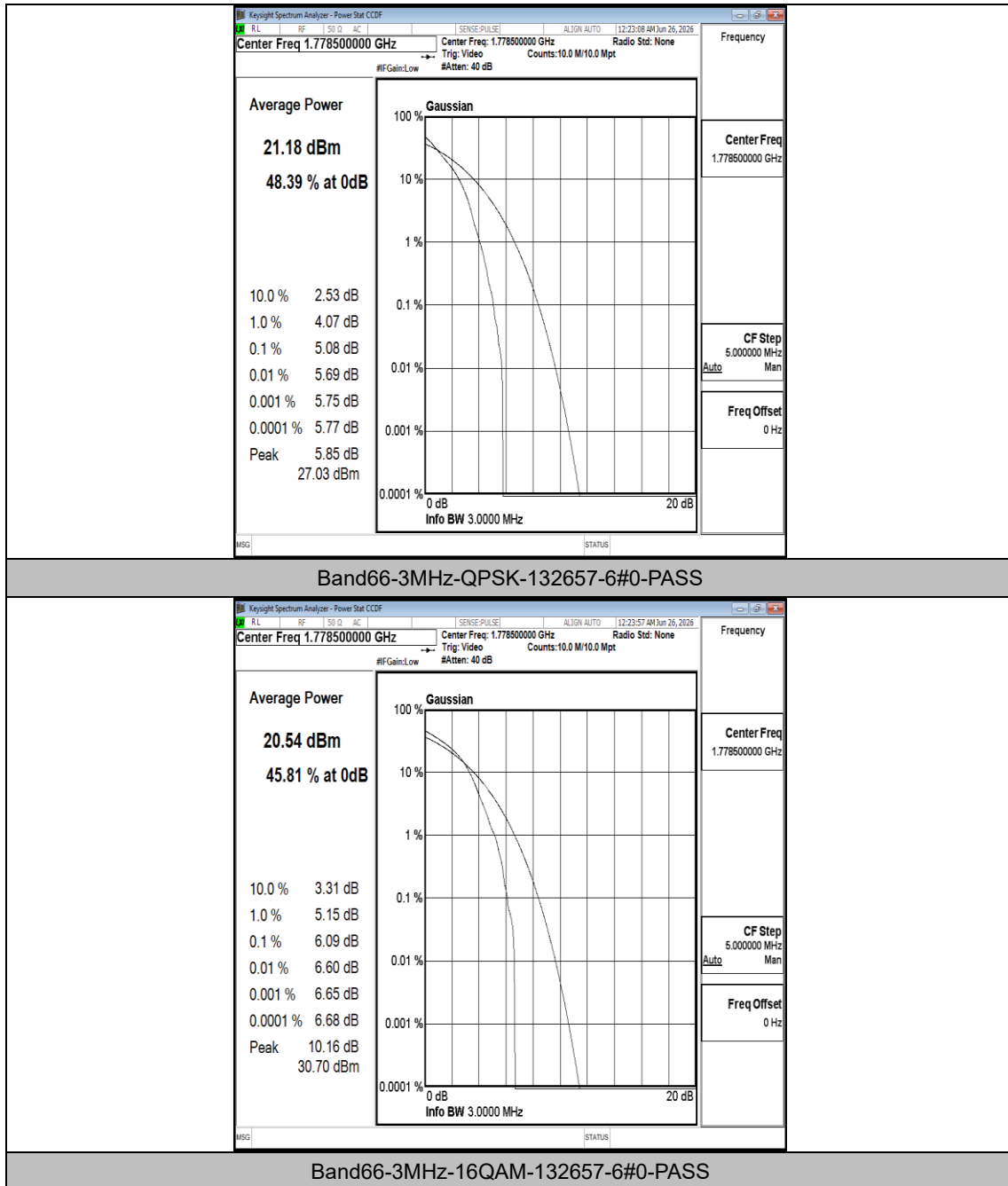


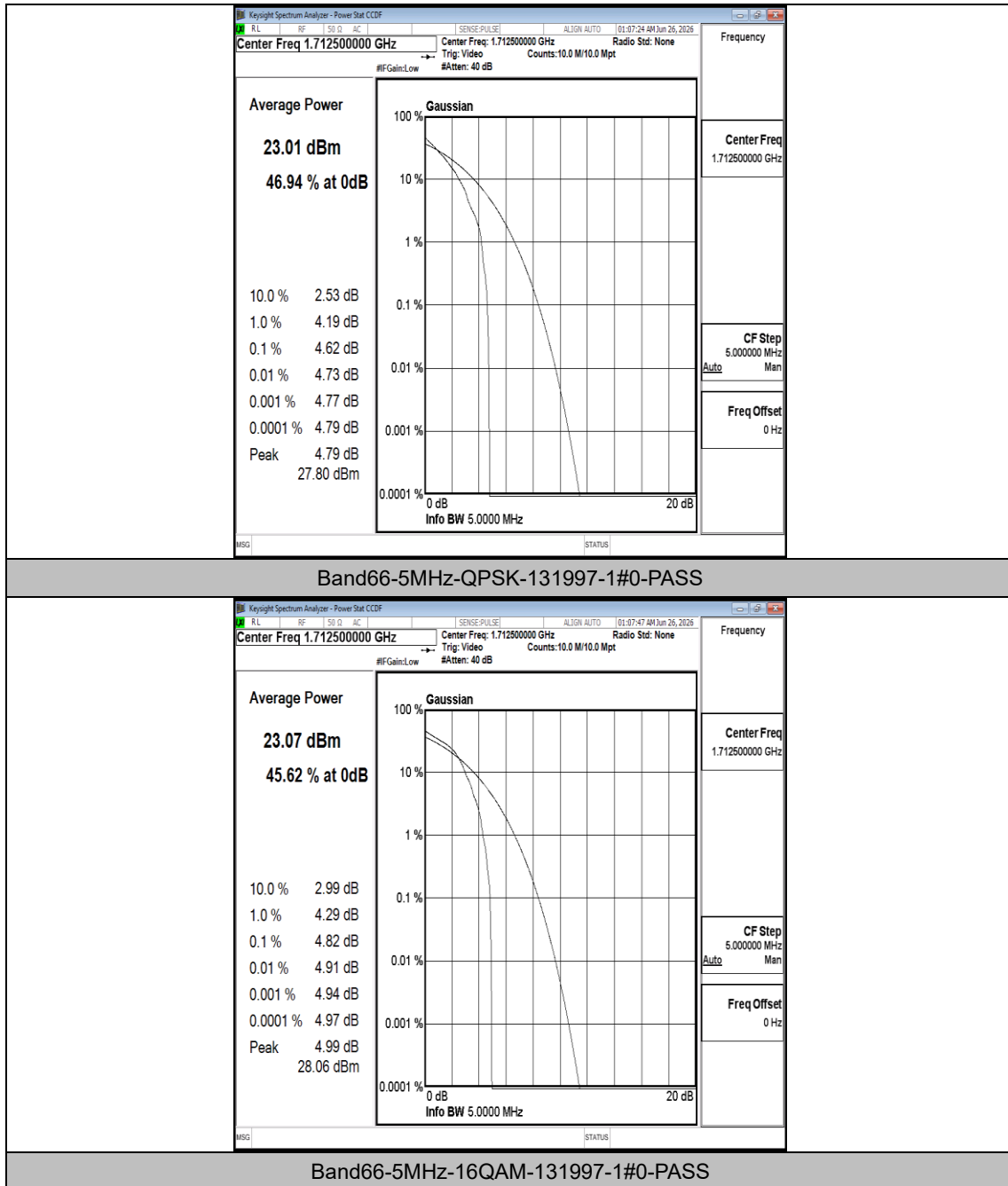


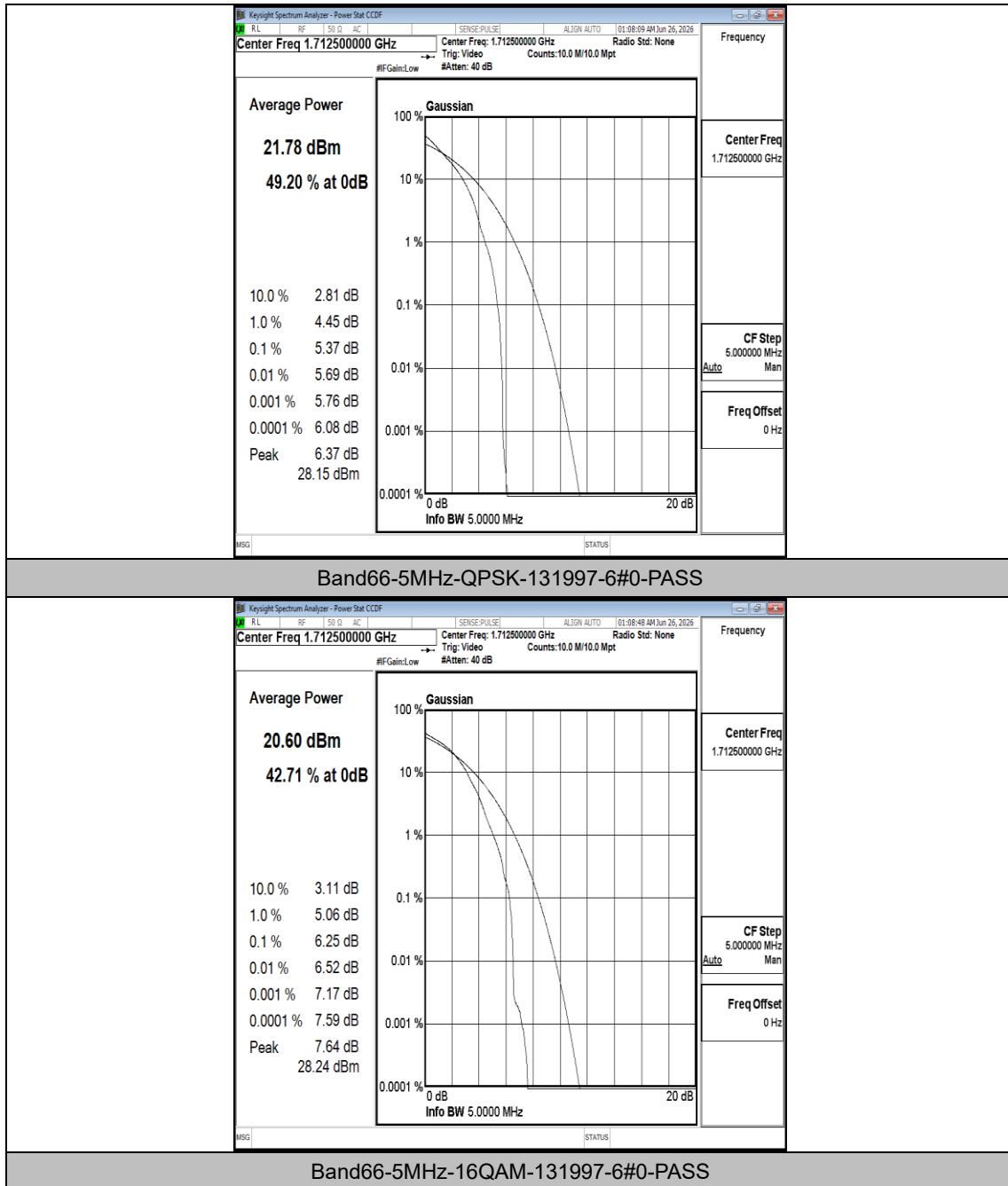


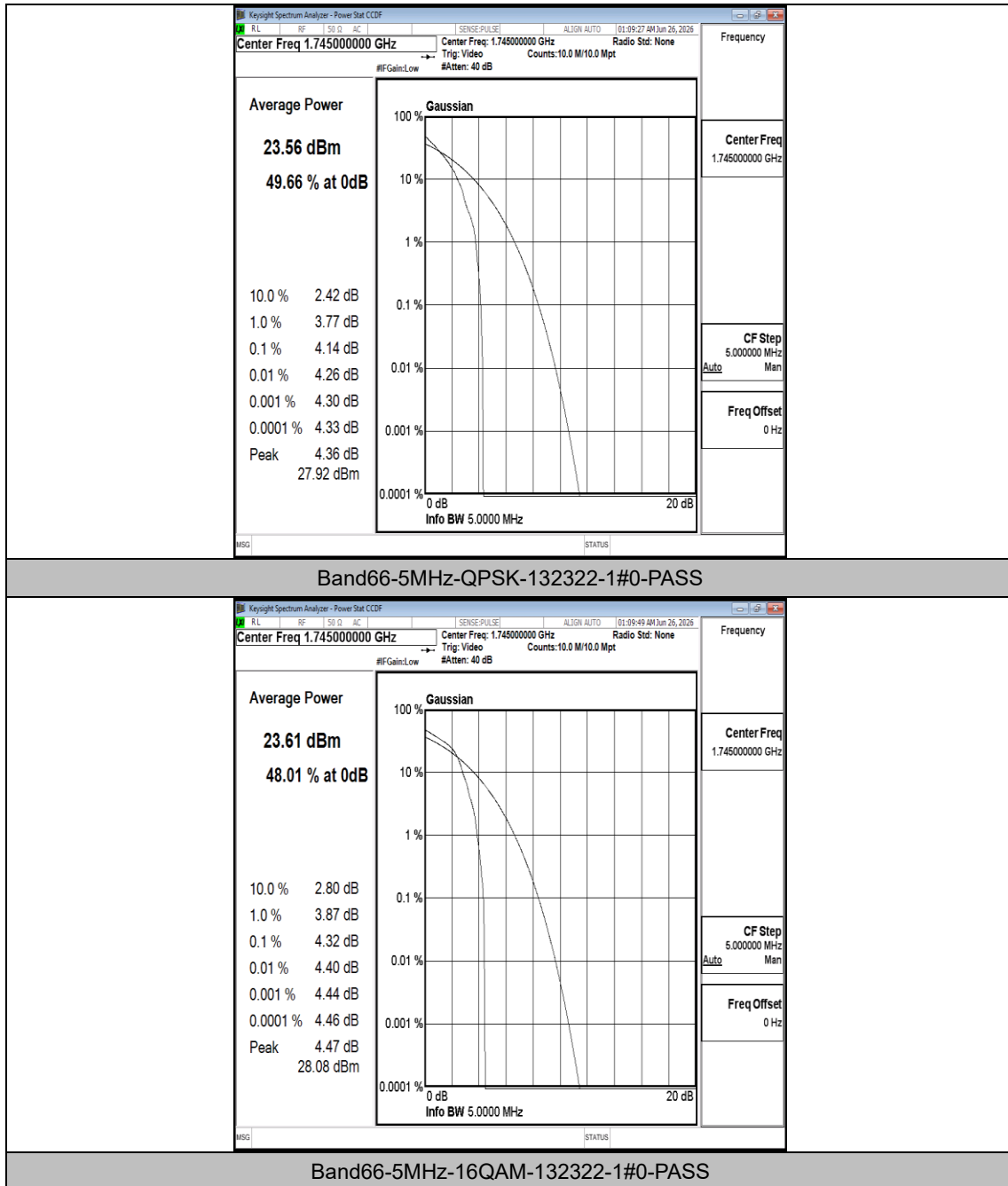


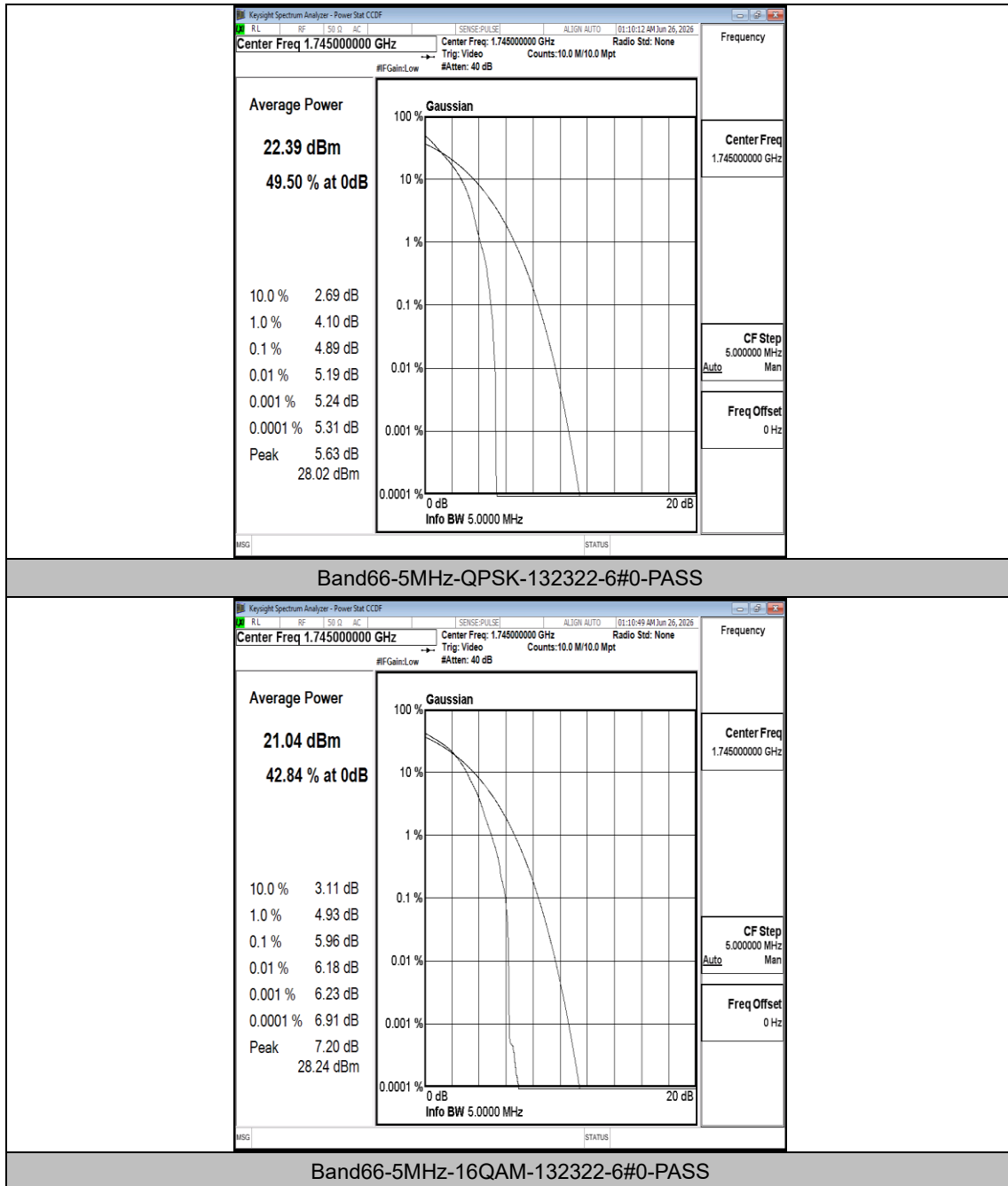


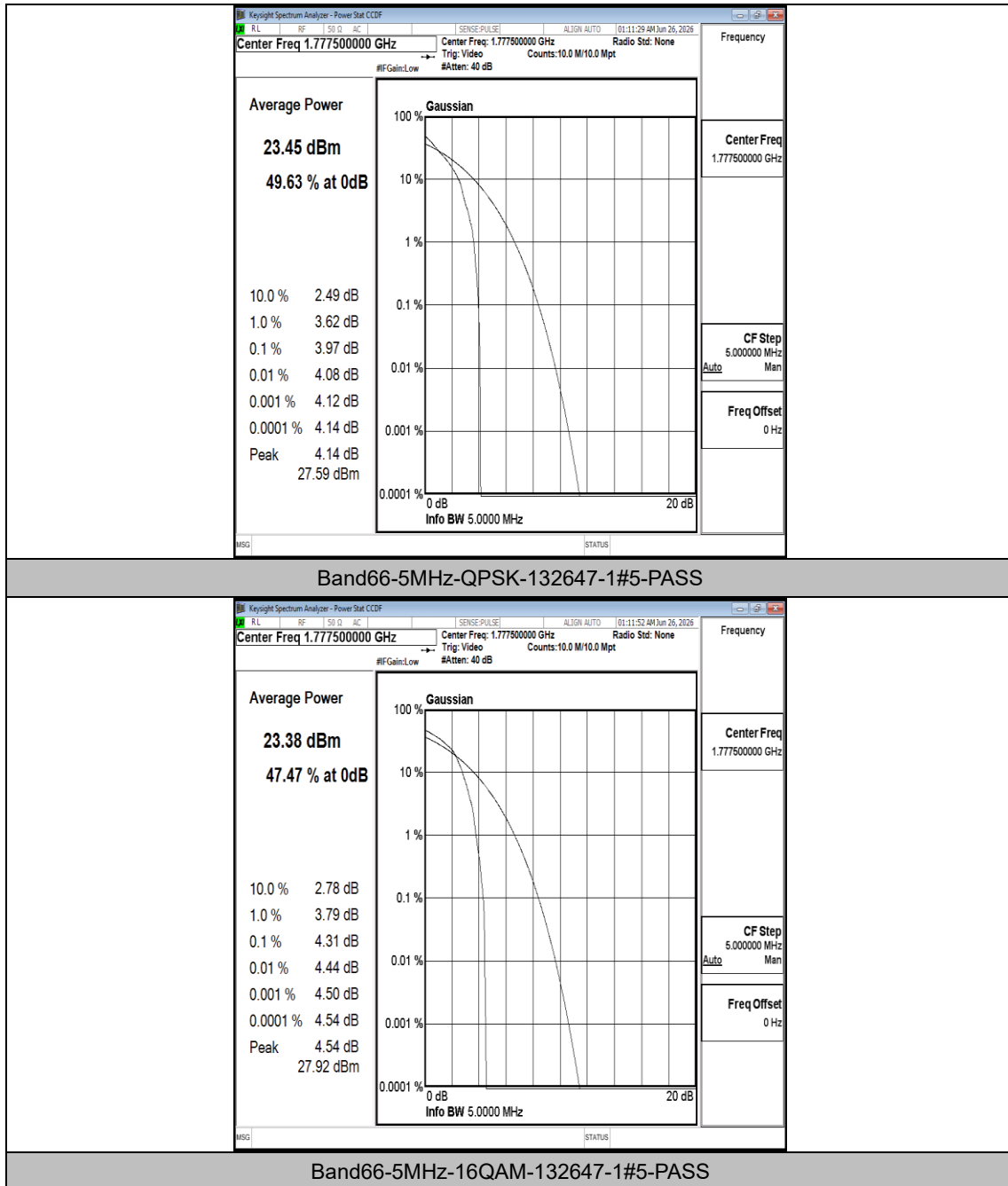


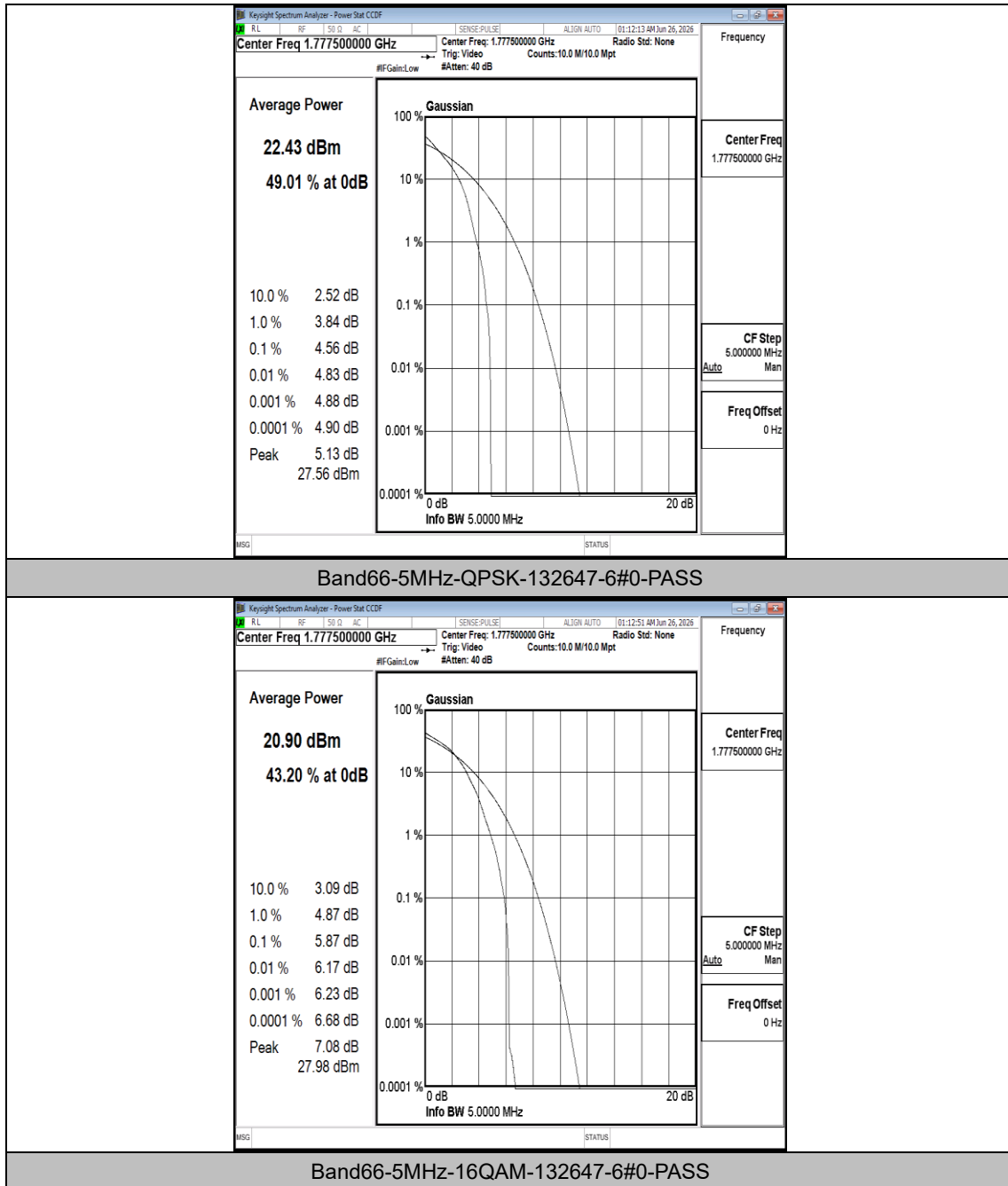


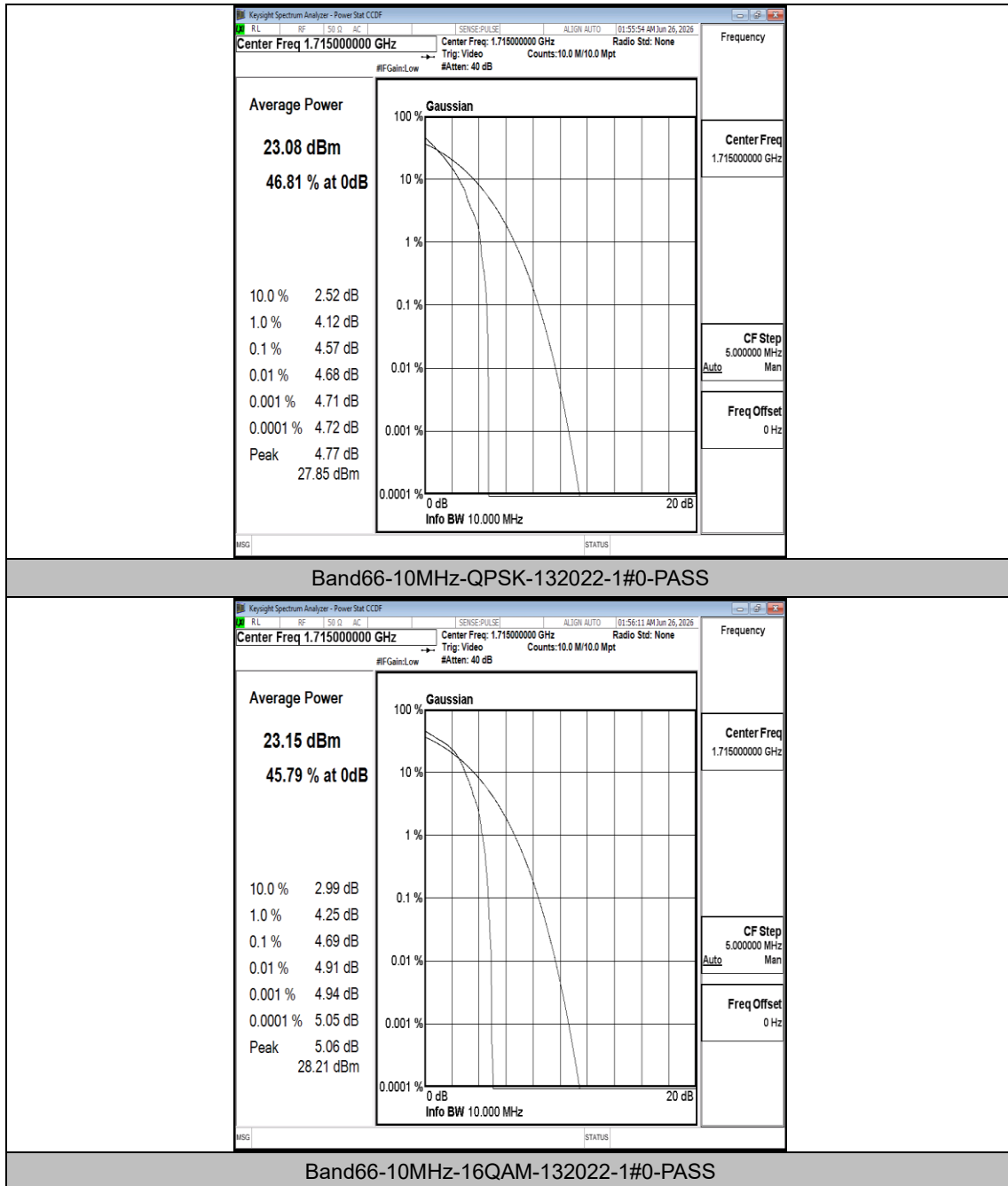


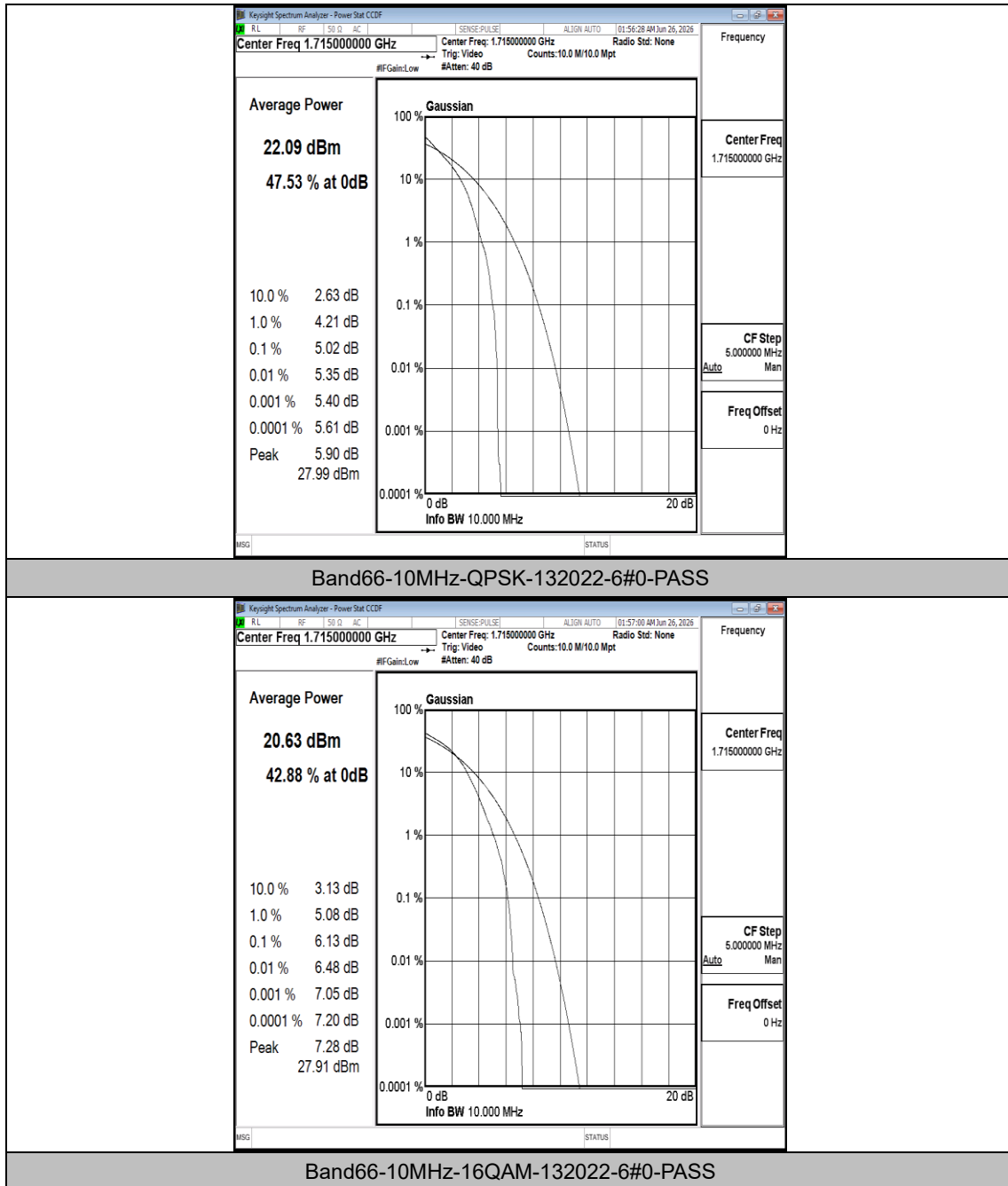


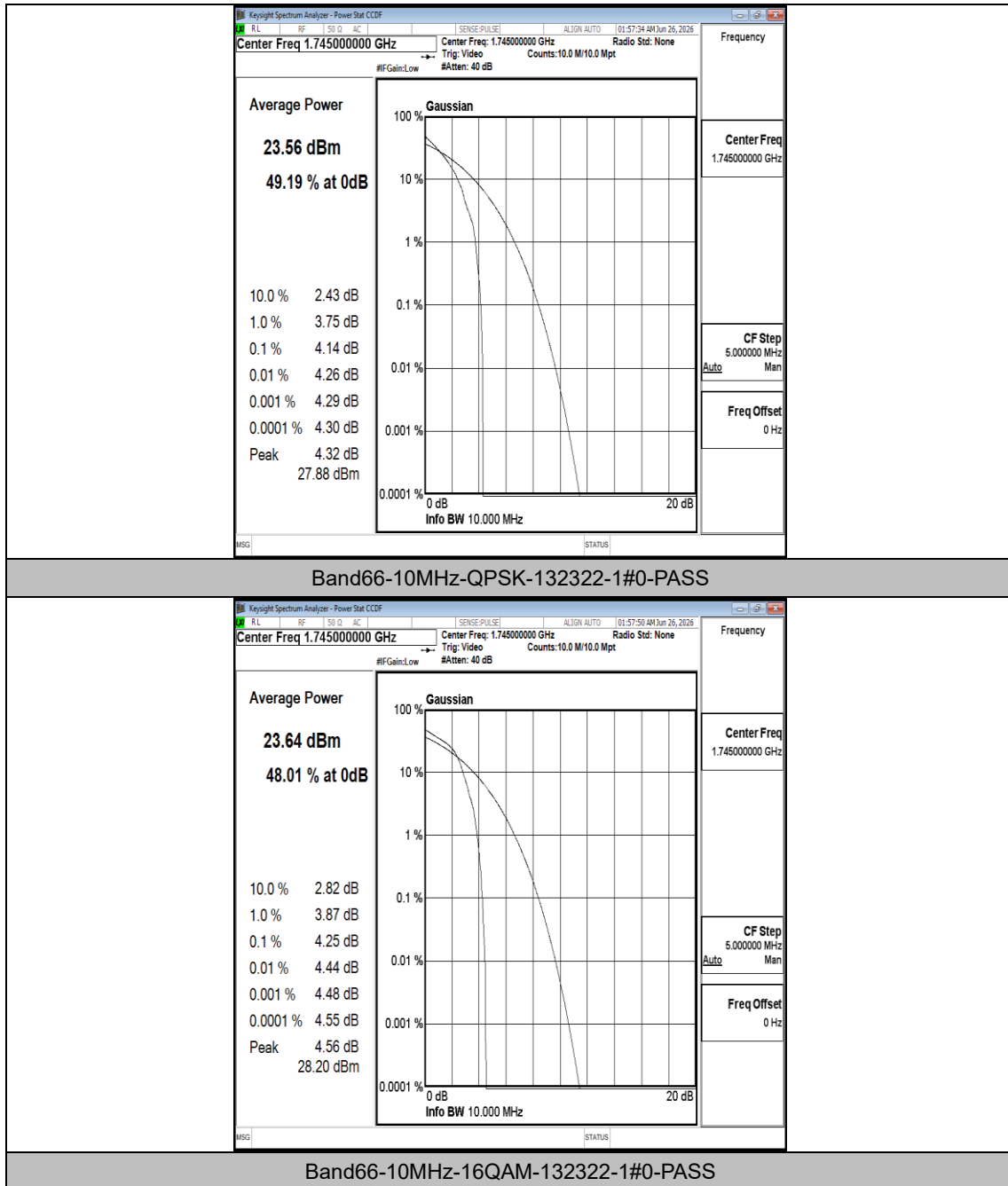


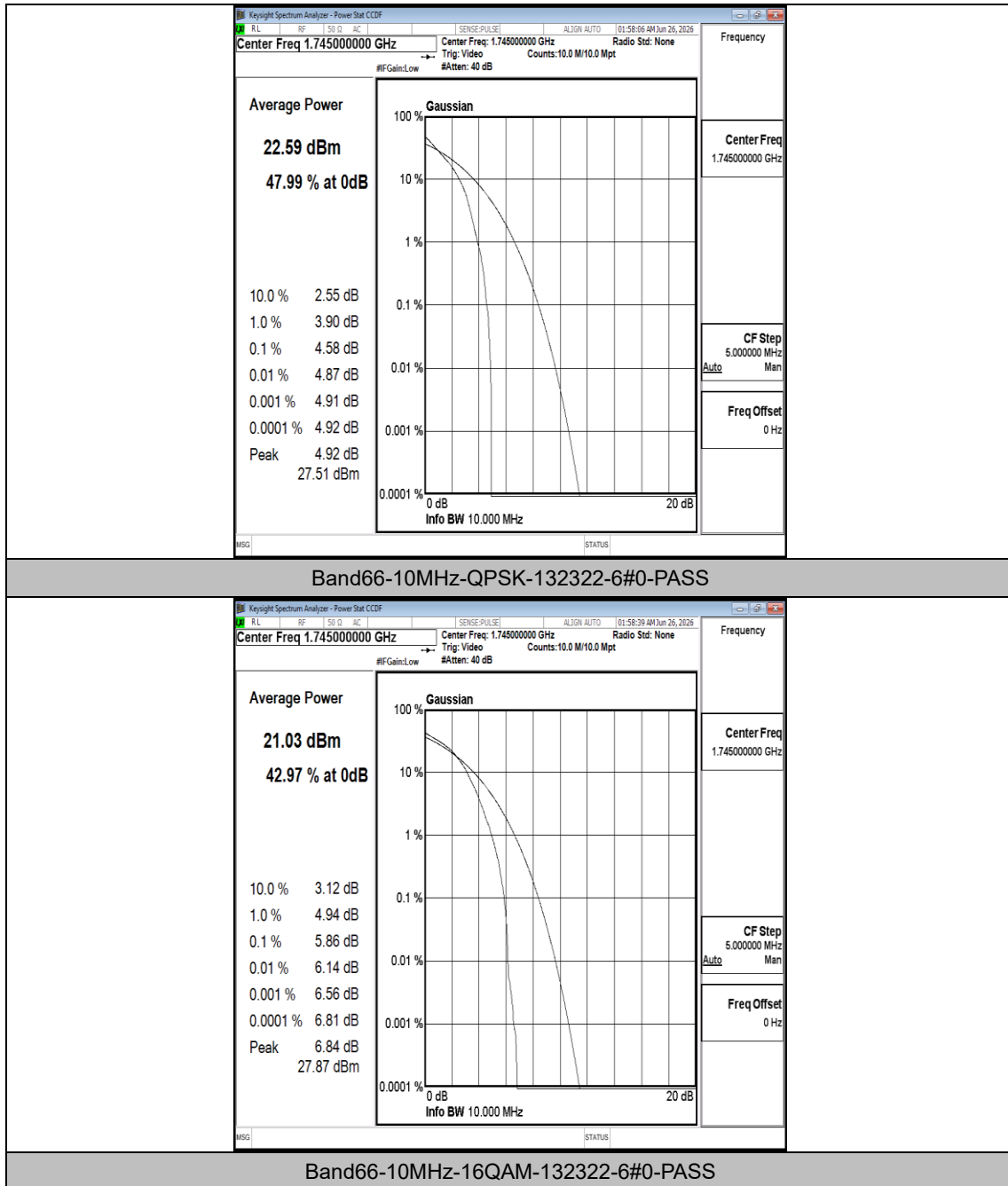


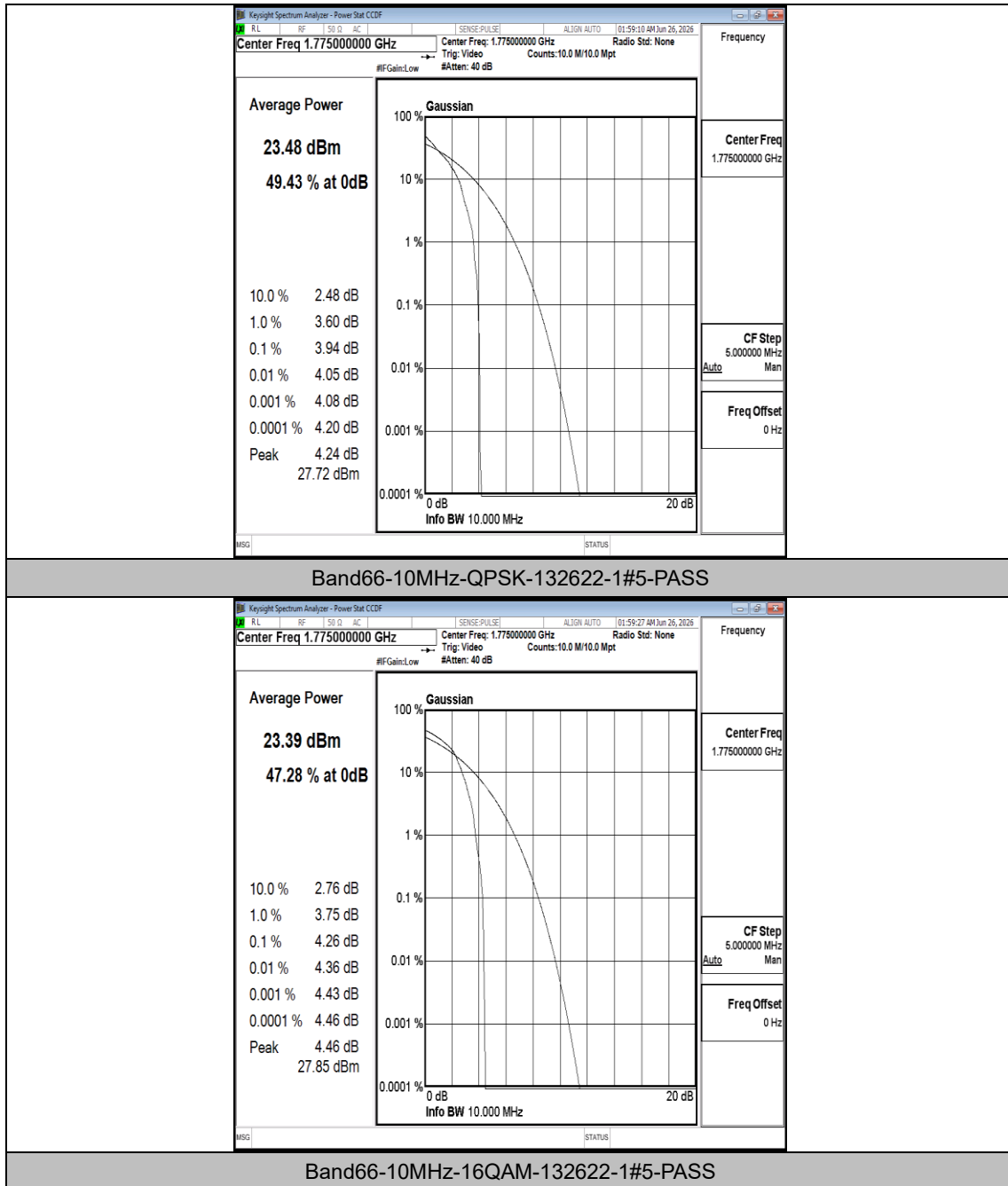


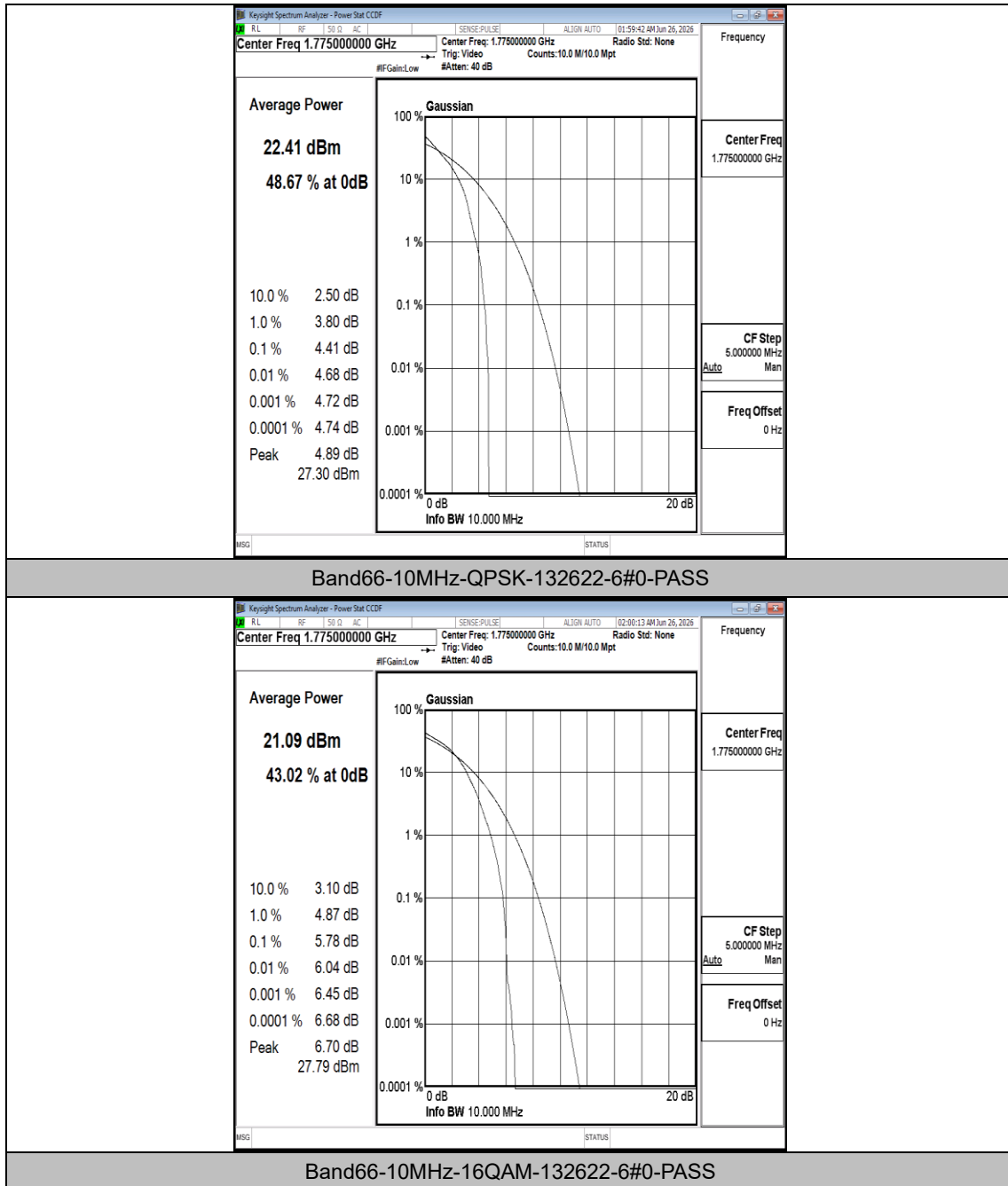


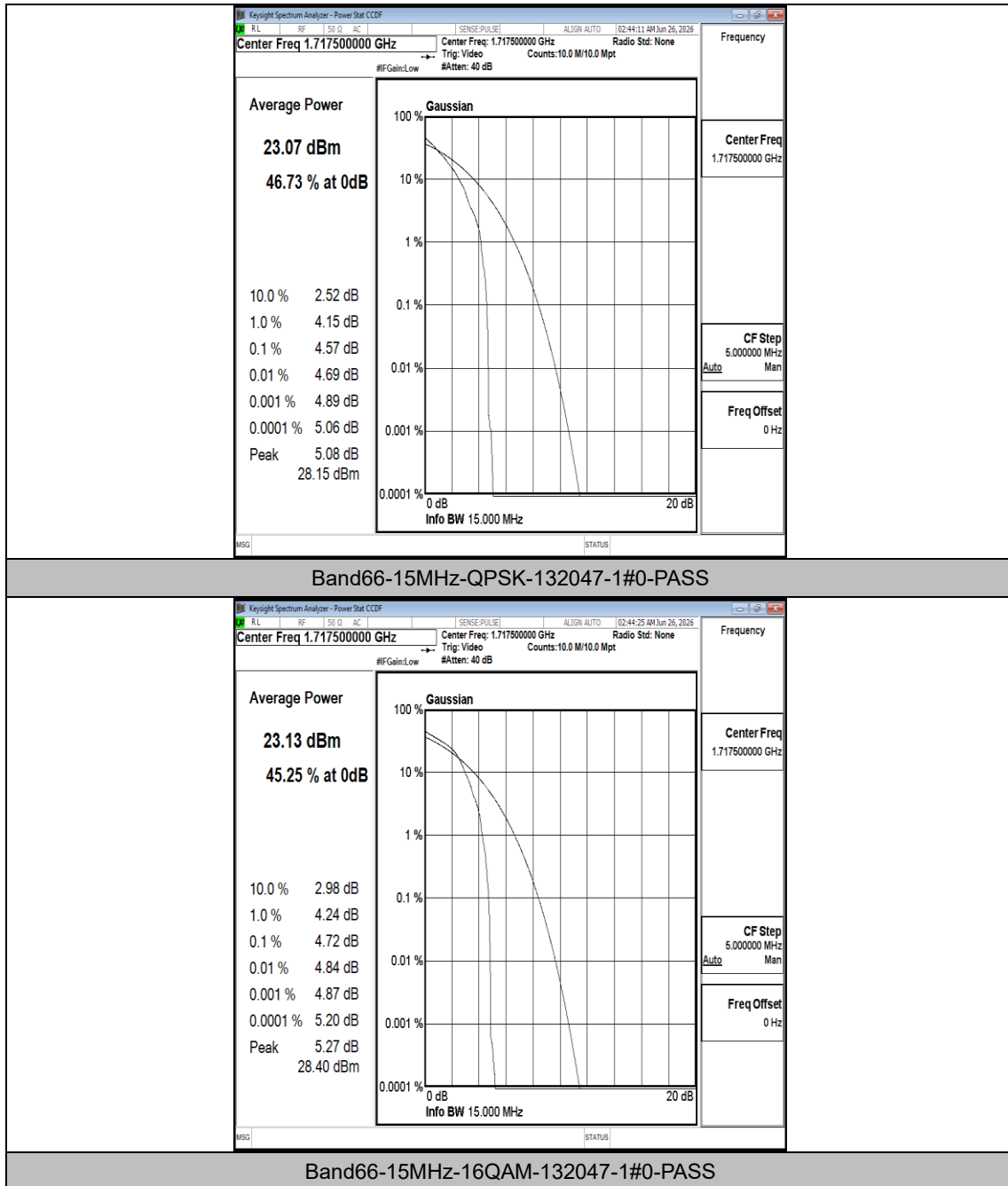


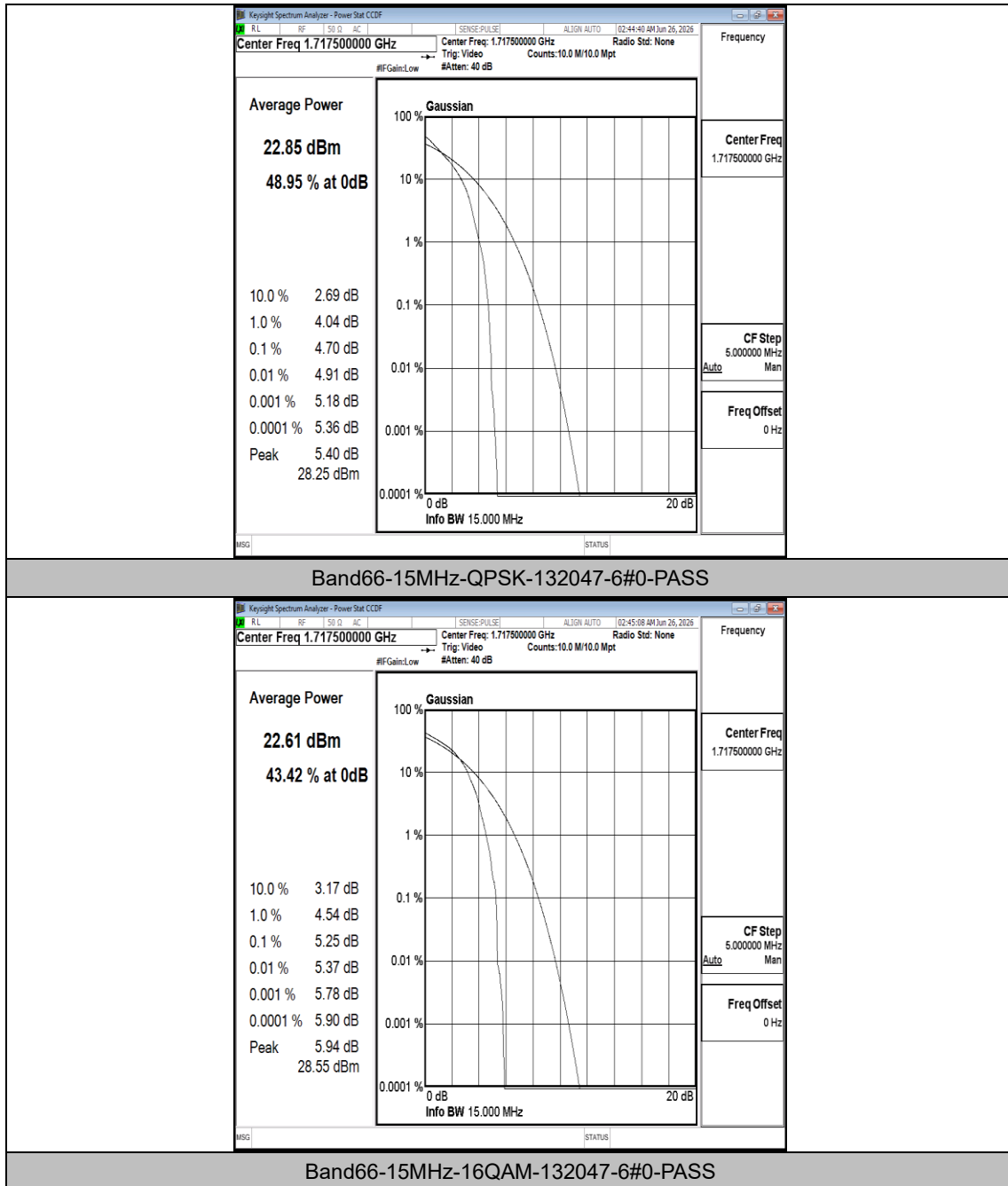


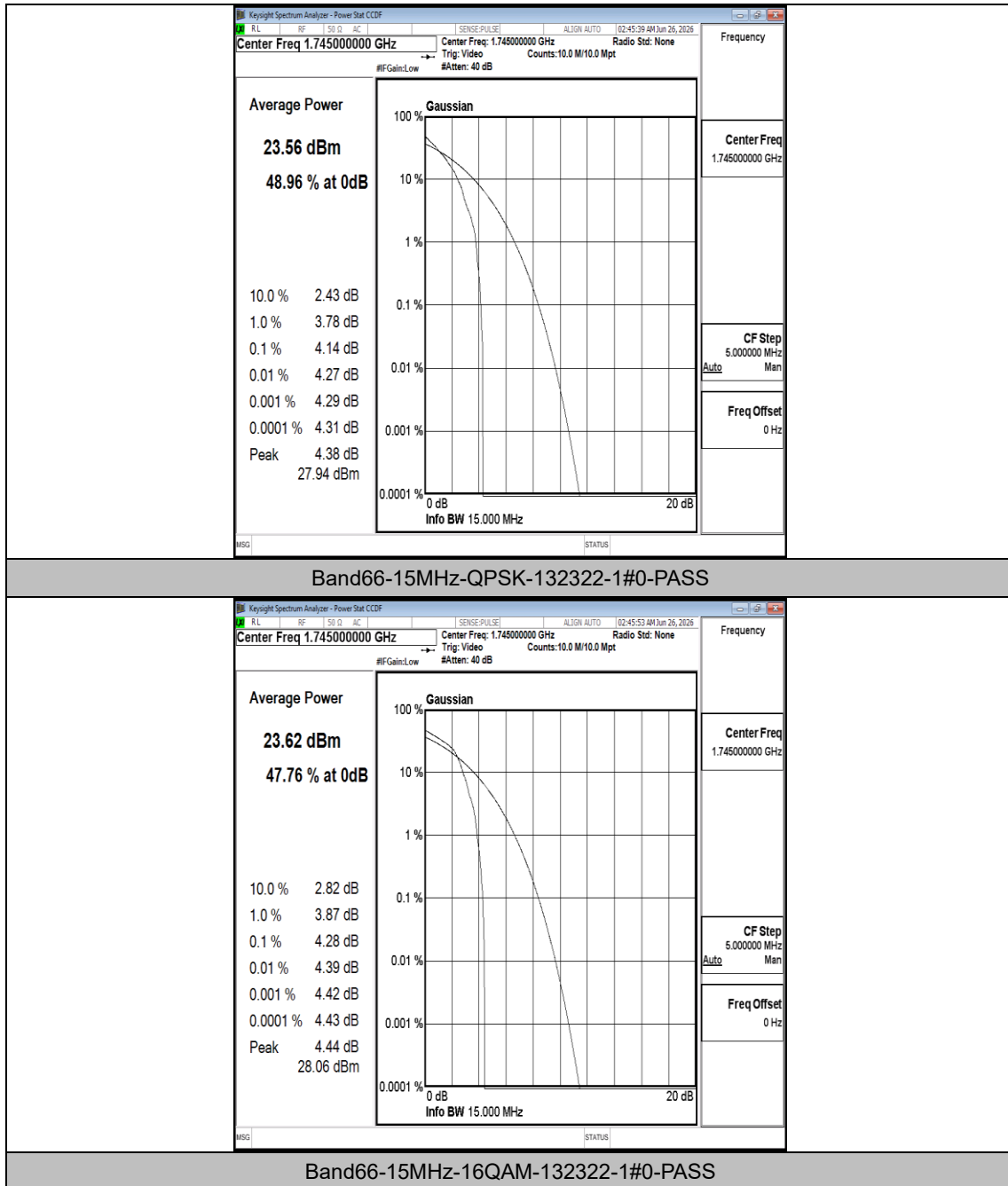


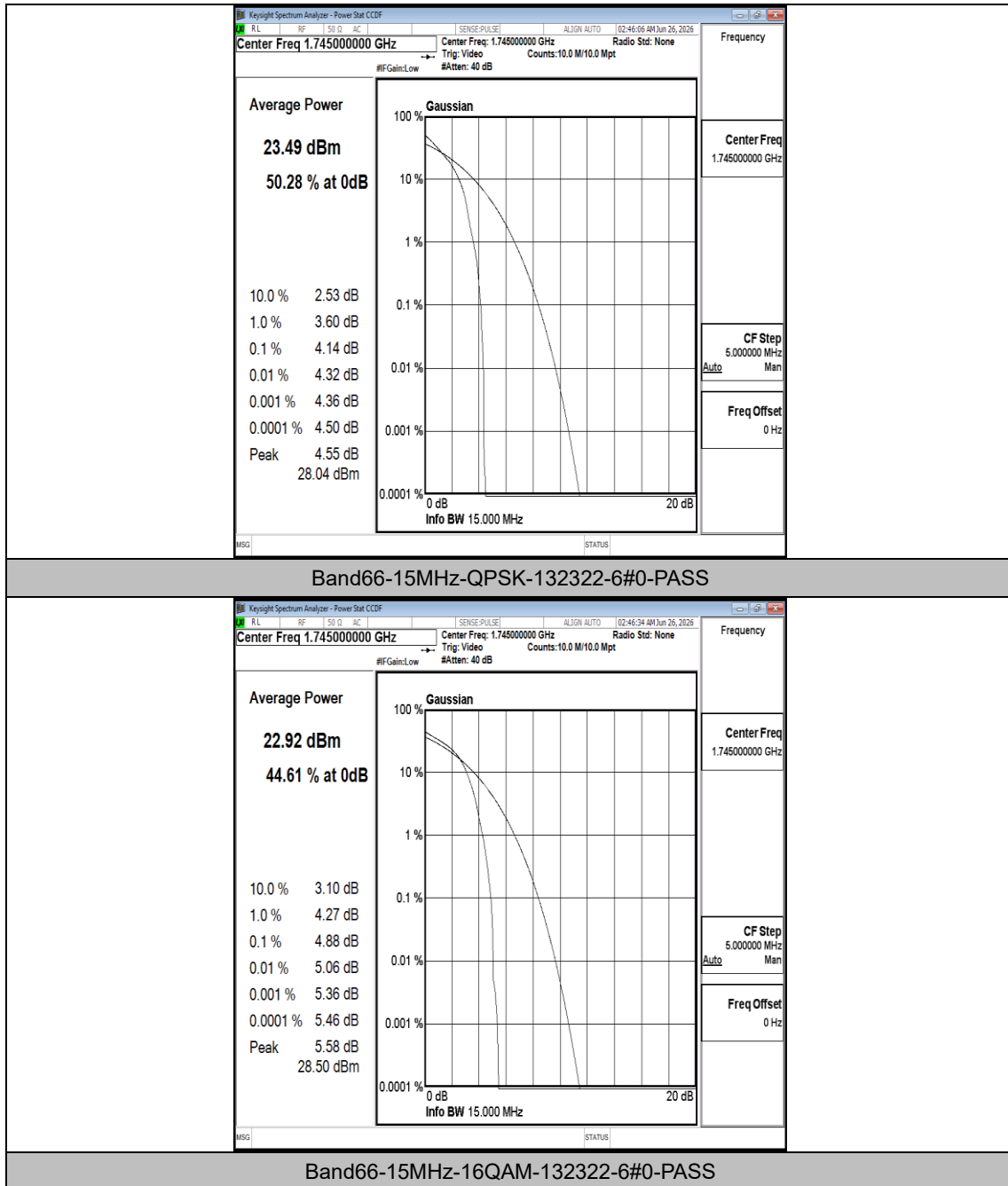


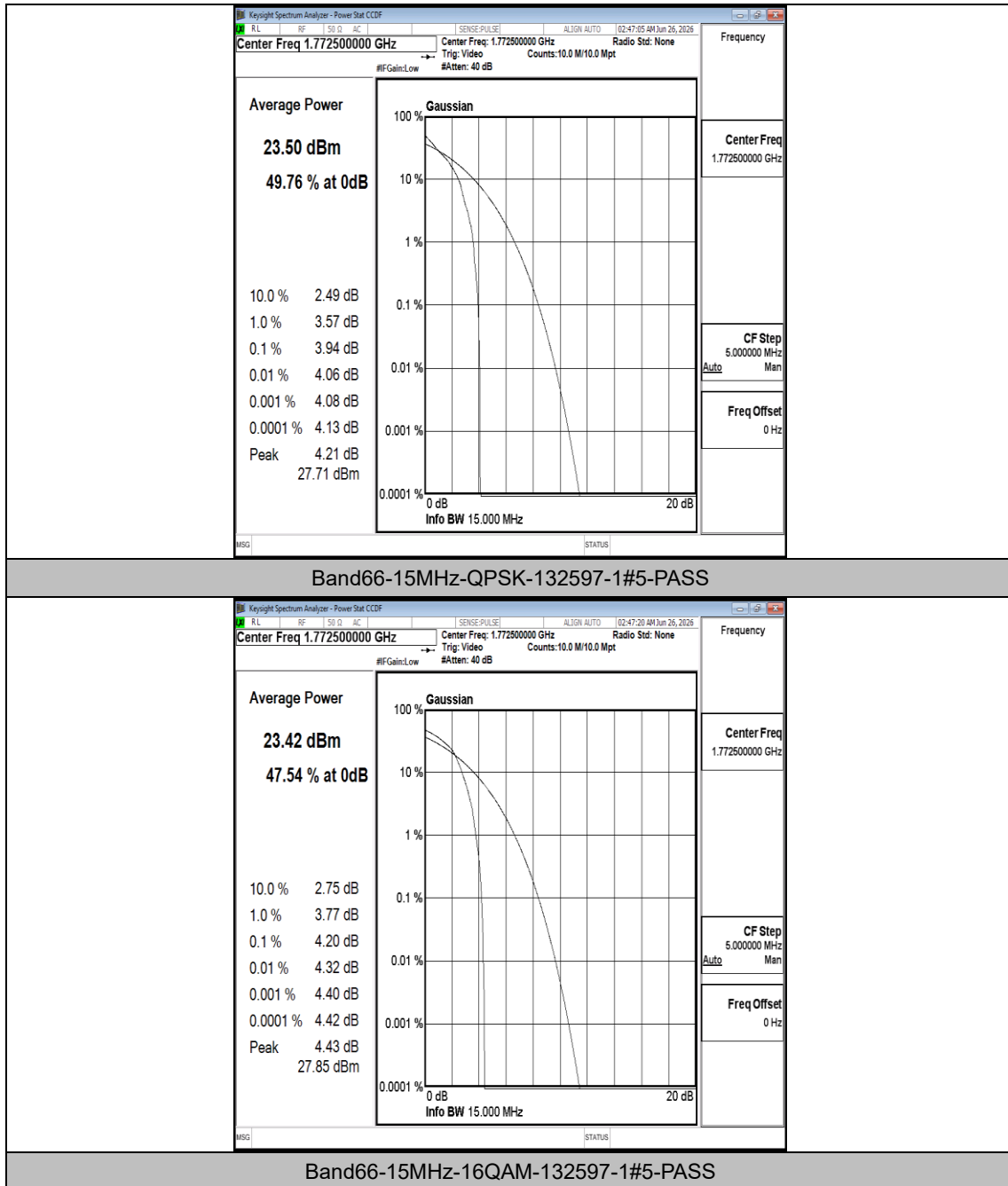


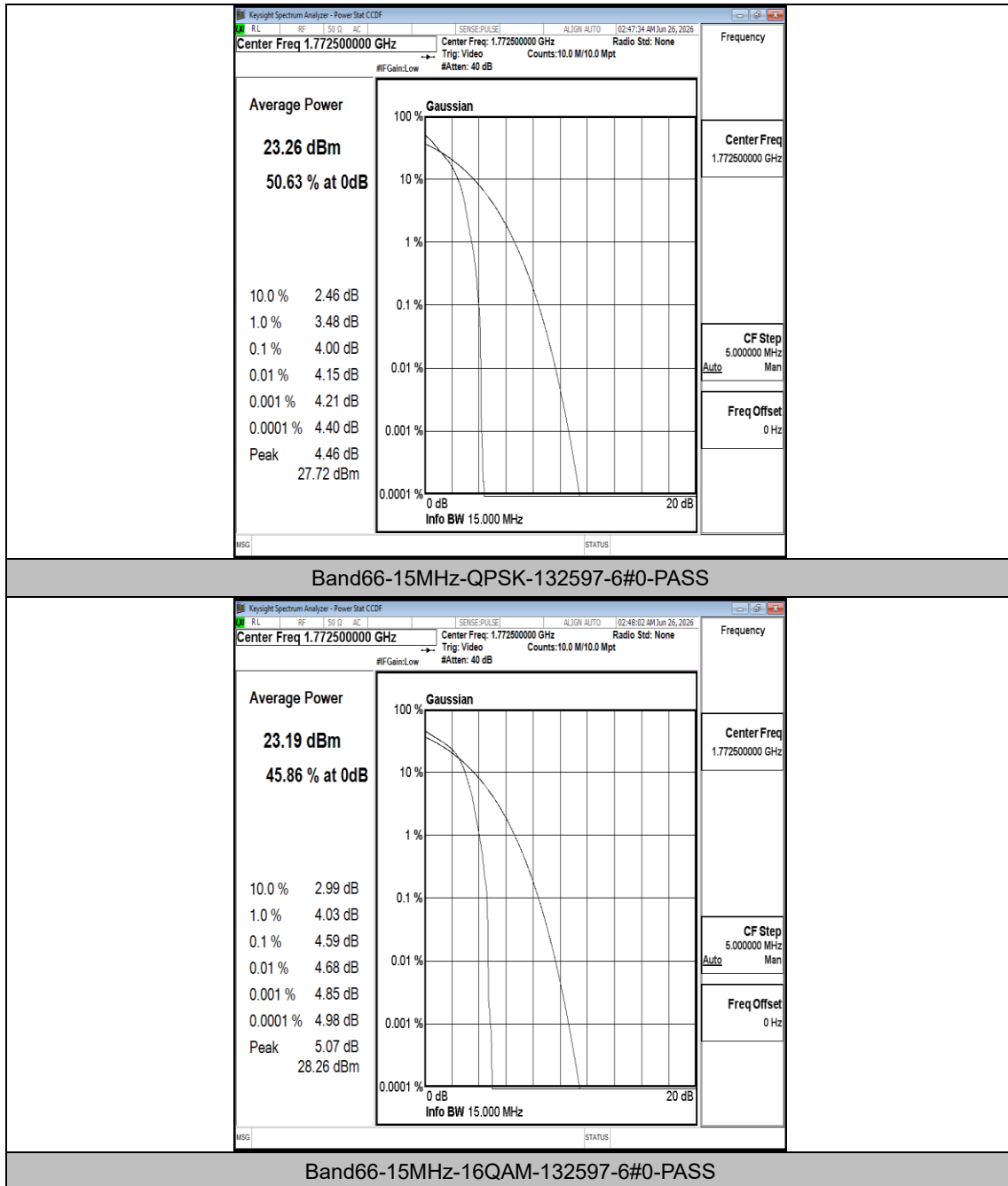


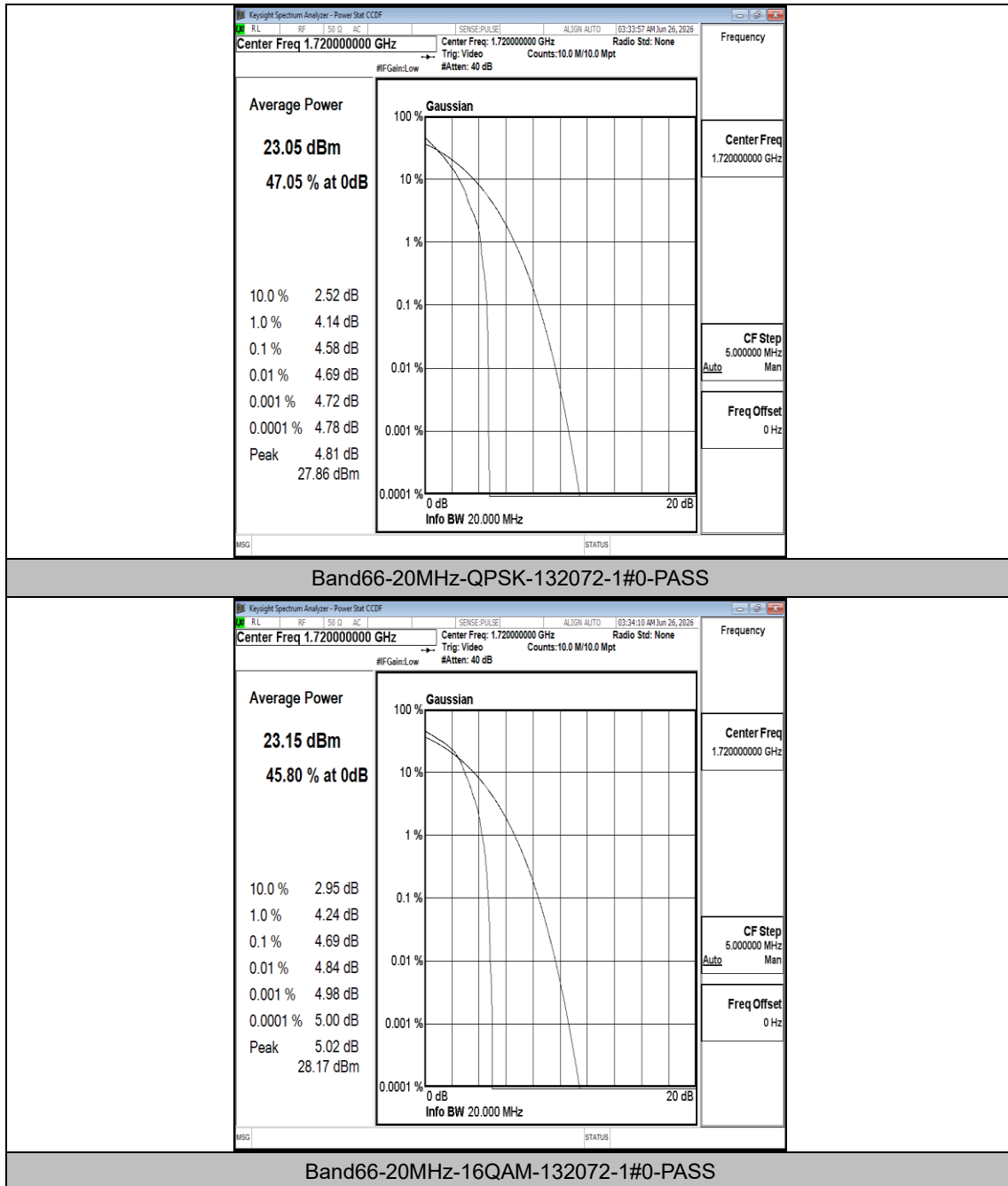


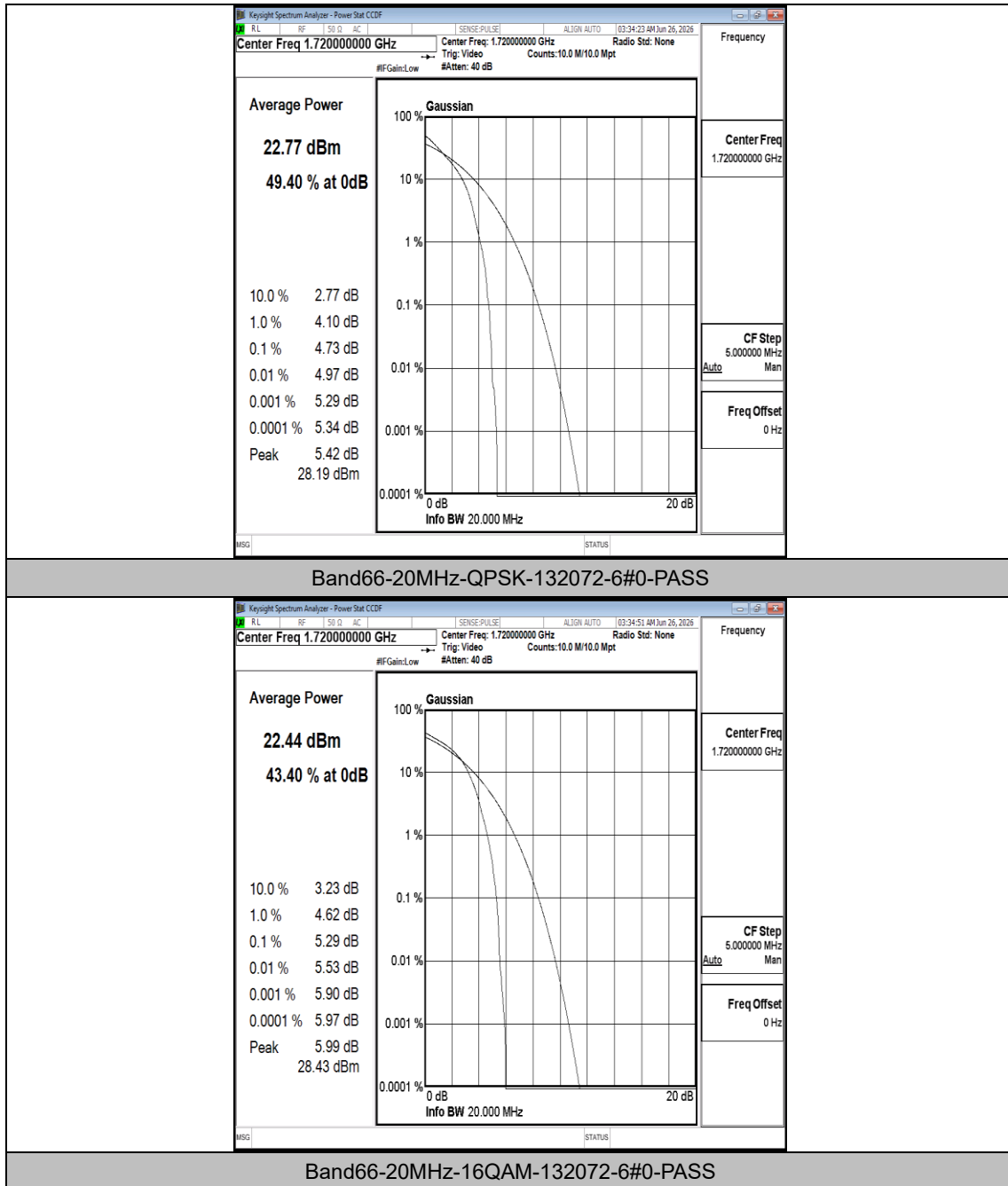


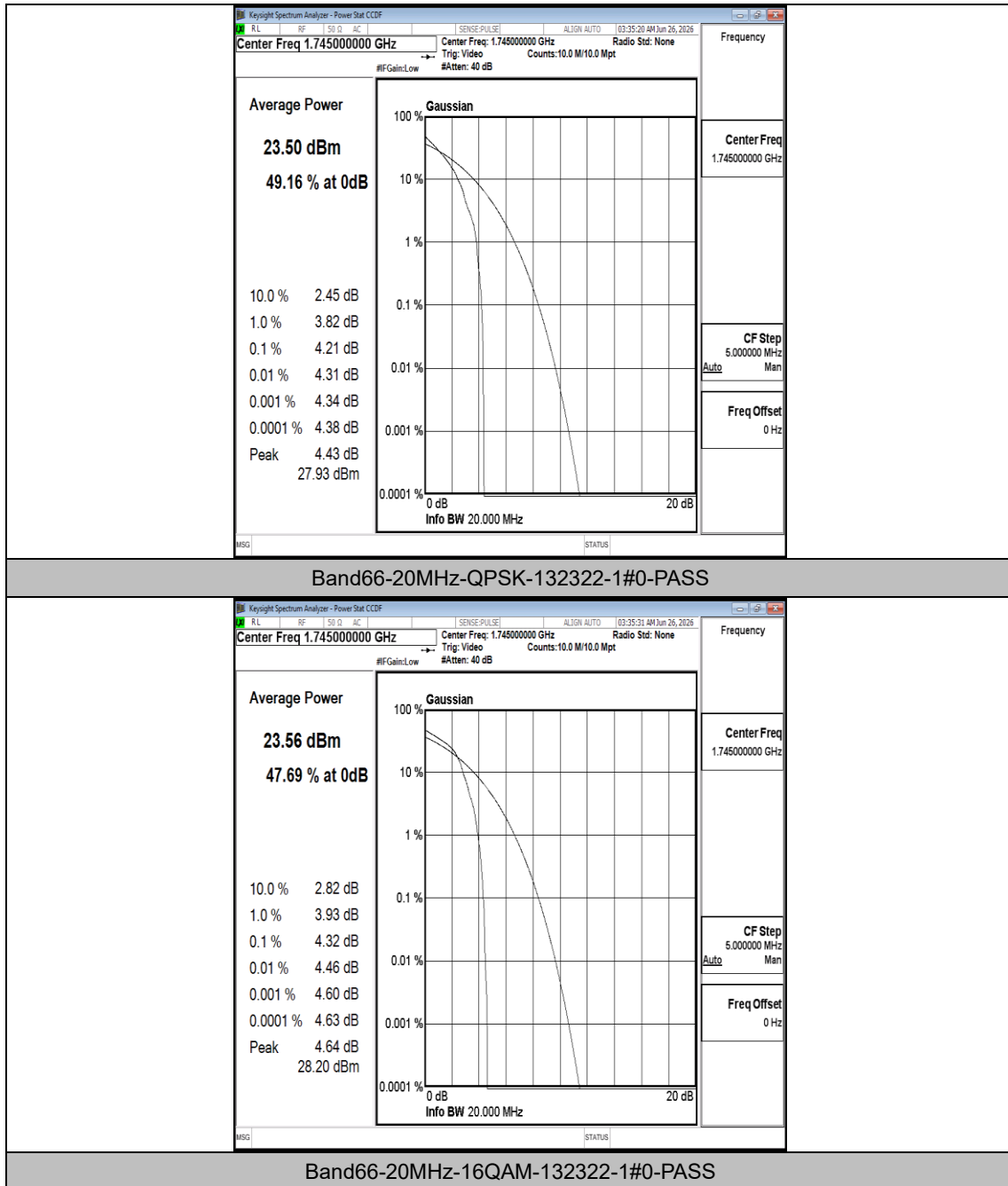


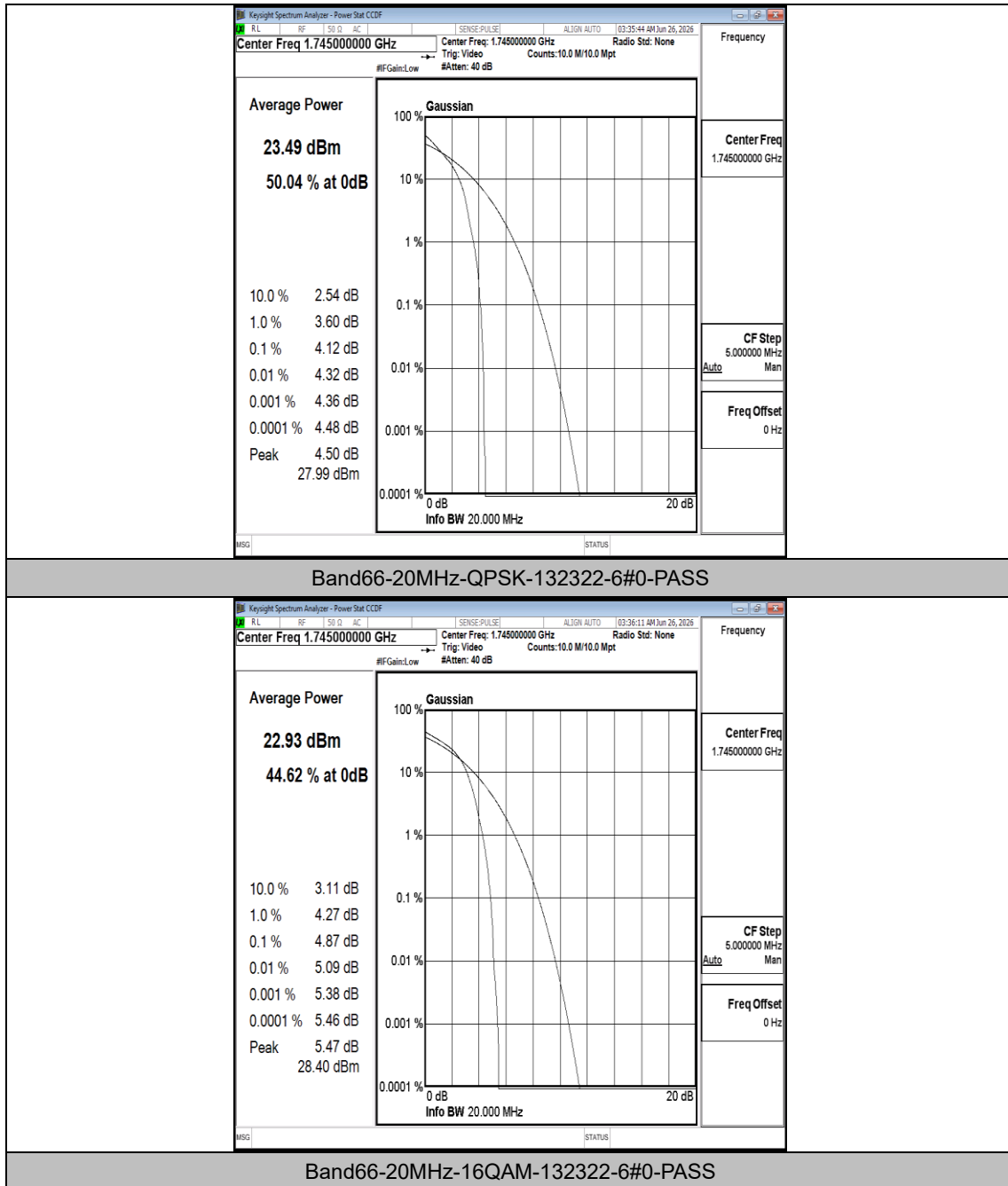


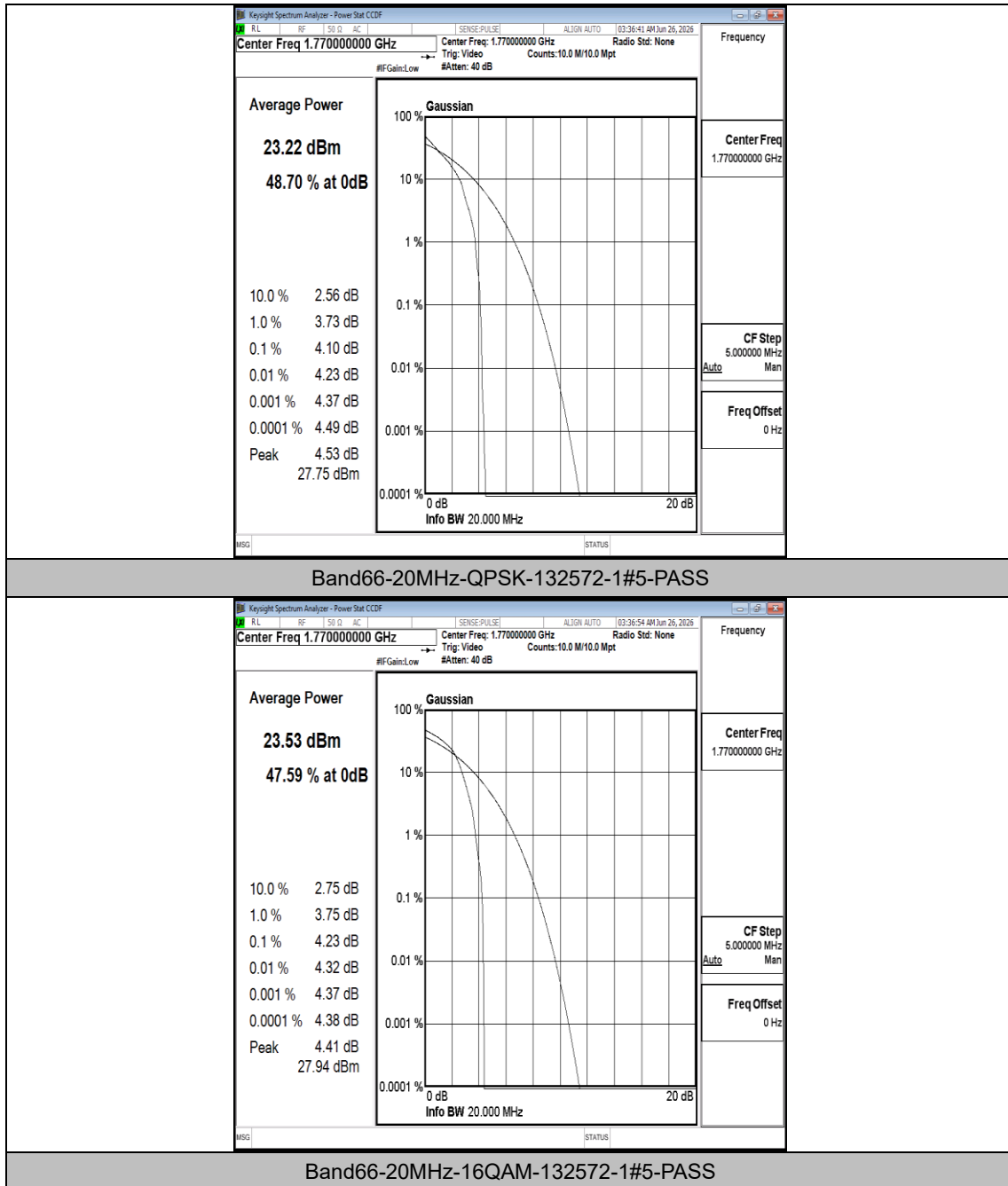


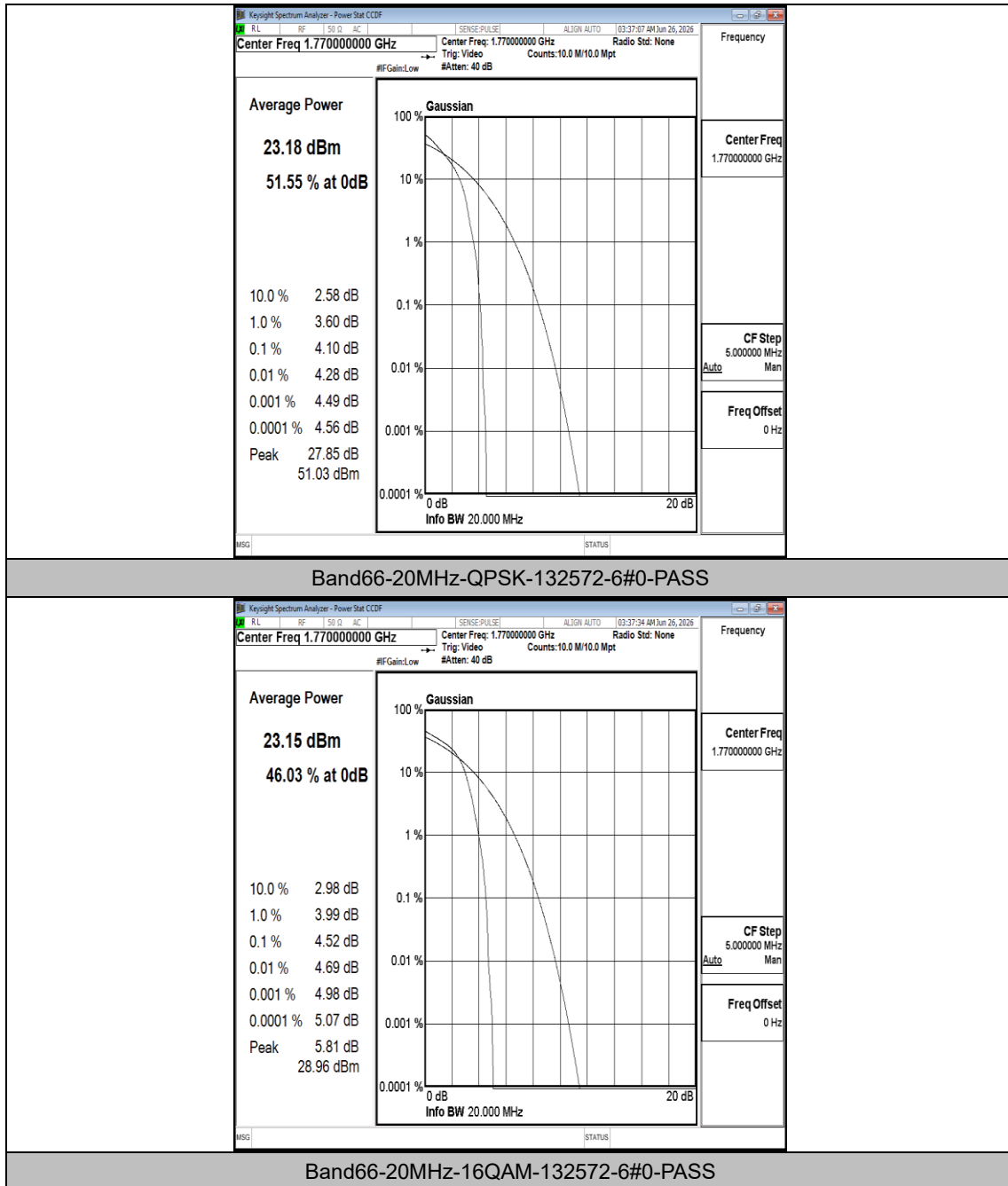












D.3 26dB Bandwidth and Occupied Bandwidth for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6	0	Low	1.0910	1.293	PASS
Band66	1.4MHz	16QAM	131979	6	0	Low	1.0906	1.316	PASS
Band66	1.4MHz	QPSK	132322	6	0	Low	1.0898	1.296	PASS
Band66	1.4MHz	16QAM	132322	6	0	Low	1.0877	1.286	PASS
Band66	1.4MHz	QPSK	132665	6	0	High	1.0889	1.293	PASS
Band66	1.4MHz	16QAM	132665	6	0	High	1.0885	1.302	PASS
Band66	3MHz	QPSK	131987	6	0	Low	1.1208	1.363	PASS
Band66	3MHz	16QAM	131987	6	0	Low	1.1159	1.382	PASS
Band66	3MHz	QPSK	132322	6	0	Low	1.1140	1.339	PASS
Band66	3MHz	16QAM	132322	6	0	Low	1.1173	1.378	PASS
Band66	3MHz	QPSK	132657	6	0	High	1.1122	1.332	PASS
Band66	3MHz	16QAM	132657	6	0	High	1.1147	1.359	PASS
Band66	5MHz	QPSK	131997	6	0	Low	1.1884	1.442	PASS
Band66	5MHz	16QAM	131997	6	0	Low	1.1782	1.452	PASS
Band66	5MHz	QPSK	132322	6	0	Low	1.1866	1.427	PASS
Band66	5MHz	16QAM	132322	6	0	Low	1.1749	1.473	PASS
Band66	5MHz	QPSK	132647	6	0	High	1.1901	1.457	PASS
Band66	5MHz	16QAM	132647	6	0	High	1.1768	1.543	PASS
Band66	10MHz	QPSK	132022	6	0	Low	1.3311	1.751	PASS
Band66	10MHz	16QAM	132022	6	0	Low	1.3402	1.953	PASS
Band66	10MHz	QPSK	132322	6	0	Low	1.3420	1.679	PASS
Band66	10MHz	16QAM	132322	6	0	Low	1.3345	2.094	PASS
Band66	10MHz	QPSK	132622	6	0	High	1.3478	1.831	PASS
Band66	10MHz	16QAM	132622	6	0	High	1.3353	2.004	PASS
Band66	15MHz	QPSK	132047	6	0	Low	1.8275	3.529	PASS
Band66	15MHz	16QAM	132047	6	0	Low	1.5545	2.524	PASS
Band66	15MHz	QPSK	132322	6	0	Low	1.5190	2.373	PASS
Band66	15MHz	16QAM	132322	6	0	Low	1.5305	2.525	PASS
Band66	15MHz	QPSK	132597	6	0	High	1.5191	2.437	PASS
Band66	15MHz	16QAM	132597	6	0	High	1.5566	2.562	PASS
Band66	20MHz	QPSK	132072	6	0	Low	3.2719	5.126	PASS
Band66	20MHz	16QAM	132072	6	0	Low	1.9868	2.937	PASS
Band66	20MHz	QPSK	132322	6	0	Low	1.9032	2.734	PASS
Band66	20MHz	16QAM	132322	6	0	Low	1.9810	2.917	PASS

Band66	20MHz	QPSK	132572	6	0	High	1.9347	2.780	PASS
Band66	20MHz	16QAM	132572	6	0	High	1.9751	2.829	PASS

Test Graphs

