

Appendix E: Test Data for CatM1 Band 66

Product Name: GPS 4G Tracker Scout BLE (CATM)

Test Model: GPS 4G Tracker Scout BLE (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

E.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Conducted Power(dBm)	Verdict
Band66	1.4MHz	QPSK	132322	1	0	Low	22.30	PASS
Band66	1.4MHz	QPSK	131979	1	0	Low	23.18	PASS
Band66	1.4MHz	16QAM	131979	1	0	Low	21.58	PASS
Band66	1.4MHz	QPSK	131979	1	5	Low	23.18	PASS
Band66	1.4MHz	16QAM	131979	1	5	Low	21.42	PASS
Band66	1.4MHz	QPSK	131979	6	0	Low	20.19	PASS
Band66	1.4MHz	16QAM	131979	6	0	Low	19.98	PASS
Band66	1.4MHz	16QAM	132322	1	0	Low	21.73	PASS
Band66	1.4MHz	QPSK	132322	1	5	Low	22.23	PASS
Band66	1.4MHz	16QAM	132322	1	5	Low	21.50	PASS
Band66	1.4MHz	QPSK	132322	6	0	Low	20.65	PASS
Band66	1.4MHz	16QAM	132322	6	0	Low	20.03	PASS
Band66	1.4MHz	QPSK	132665	1	0	High	22.87	PASS
Band66	1.4MHz	16QAM	132665	1	0	High	22.08	PASS
Band66	1.4MHz	QPSK	132665	1	5	High	22.80	PASS
Band66	1.4MHz	16QAM	132665	1	5	High	22.03	PASS
Band66	1.4MHz	QPSK	132665	6	0	High	21.05	PASS
Band66	1.4MHz	16QAM	132665	6	0	High	20.53	PASS
Band66	3MHz	QPSK	131987	1	0	Low	22.35	PASS
Band66	3MHz	16QAM	131987	1	0	Low	21.67	PASS
Band66	3MHz	QPSK	131987	1	5	Low	22.38	PASS
Band66	3MHz	16QAM	131987	1	5	Low	21.54	PASS
Band66	3MHz	QPSK	131987	6	0	Low	20.36	PASS
Band66	3MHz	16QAM	131987	6	0	Low	19.92	PASS
Band66	3MHz	QPSK	132322	1	0	Low	22.25	PASS
Band66	3MHz	16QAM	132322	1	0	Low	21.63	PASS
Band66	3MHz	QPSK	132322	1	5	Low	22.21	PASS
Band66	3MHz	16QAM	132322	1	5	Low	21.47	PASS
Band66	3MHz	QPSK	132322	6	0	Low	20.47	PASS
Band66	3MHz	16QAM	132322	6	0	Low	20.12	PASS
Band66	3MHz	QPSK	132657	1	0	High	22.93	PASS
Band66	3MHz	16QAM	132657	1	0	High	22.03	PASS
Band66	3MHz	QPSK	132657	1	5	High	22.86	PASS
Band66	3MHz	16QAM	132657	1	5	High	22.03	PASS
Band66	3MHz	QPSK	132657	6	0	High	20.93	PASS

Band66	3MHz	16QAM	132657	6	0	High	20.58	PASS
Band66	5MHz	QPSK	131997	1	0	Low	22.61	PASS
Band66	5MHz	16QAM	131997	1	0	Low	22.74	PASS
Band66	5MHz	QPSK	131997	1	5	Low	22.61	PASS
Band66	5MHz	16QAM	131997	1	5	Low	22.66	PASS
Band66	5MHz	QPSK	131997	6	0	Low	21.69	PASS
Band66	5MHz	16QAM	131997	6	0	Low	20.23	PASS
Band66	5MHz	QPSK	132322	1	0	Low	22.73	PASS
Band66	5MHz	16QAM	132322	1	0	Low	22.80	PASS
Band66	5MHz	QPSK	132322	1	5	Low	22.85	PASS
Band66	5MHz	16QAM	132322	1	5	Low	22.83	PASS
Band66	5MHz	QPSK	132322	6	0	Low	21.74	PASS
Band66	5MHz	16QAM	132322	6	0	Low	20.43	PASS
Band66	5MHz	QPSK	132647	1	0	High	23.20	PASS
Band66	5MHz	16QAM	132647	1	0	High	23.27	PASS
Band66	5MHz	QPSK	132647	1	5	High	23.29	PASS
Band66	5MHz	16QAM	132647	1	5	High	23.32	PASS
Band66	5MHz	QPSK	132647	6	0	High	22.33	PASS
Band66	5MHz	16QAM	132647	6	0	High	20.75	PASS
Band66	10MHz	QPSK	132022	1	0	Low	22.61	PASS
Band66	10MHz	16QAM	132022	1	0	Low	22.81	PASS
Band66	10MHz	QPSK	132022	1	5	Low	22.63	PASS
Band66	10MHz	16QAM	132022	1	5	Low	22.72	PASS
Band66	10MHz	QPSK	132022	6	0	Low	21.73	PASS
Band66	10MHz	16QAM	132022	6	0	Low	20.28	PASS
Band66	10MHz	QPSK	132322	1	0	Low	22.72	PASS
Band66	10MHz	16QAM	132322	1	0	Low	22.80	PASS
Band66	10MHz	QPSK	132322	1	5	Low	22.80	PASS
Band66	10MHz	16QAM	132322	1	5	Low	22.87	PASS
Band66	10MHz	QPSK	132322	6	0	Low	21.83	PASS
Band66	10MHz	16QAM	132322	6	0	Low	20.40	PASS
Band66	10MHz	QPSK	132622	1	0	High	23.12	PASS
Band66	10MHz	16QAM	132622	1	0	High	23.23	PASS
Band66	10MHz	QPSK	132622	1	5	High	23.20	PASS
Band66	10MHz	16QAM	132622	1	5	High	23.24	PASS
Band66	10MHz	QPSK	132622	6	0	High	22.22	PASS
Band66	10MHz	16QAM	132622	6	0	High	21.12	PASS
Band66	15MHz	QPSK	132047	1	0	Low	23.17	PASS
Band66	15MHz	16QAM	132047	1	0	Low	23.27	PASS
Band66	15MHz	QPSK	132047	1	5	Low	23.18	PASS
Band66	15MHz	16QAM	132047	1	5	Low	23.26	PASS

Band66	15MHz	QPSK	132047	6	0	Low	23.02	PASS
Band66	15MHz	16QAM	132047	6	0	Low	22.11	PASS
Band66	15MHz	QPSK	132322	1	0	Low	22.75	PASS
Band66	15MHz	16QAM	132322	1	0	Low	22.84	PASS
Band66	15MHz	QPSK	132322	1	5	Low	22.84	PASS
Band66	15MHz	16QAM	132322	1	5	Low	22.87	PASS
Band66	15MHz	QPSK	132322	6	0	Low	22.77	PASS
Band66	15MHz	16QAM	132322	6	0	Low	22.21	PASS
Band66	15MHz	QPSK	132597	1	0	High	23.24	PASS
Band66	15MHz	16QAM	132597	1	0	High	23.28	PASS
Band66	15MHz	QPSK	132597	1	5	High	23.30	PASS
Band66	15MHz	16QAM	132597	1	5	High	23.31	PASS
Band66	15MHz	QPSK	132597	6	0	High	23.21	PASS
Band66	15MHz	16QAM	132597	6	0	High	23.18	PASS
Band66	20MHz	QPSK	132072	1	0	Low	22.62	PASS
Band66	20MHz	16QAM	132072	1	0	Low	22.75	PASS
Band66	20MHz	QPSK	132072	1	5	Low	22.64	PASS
Band66	20MHz	16QAM	132072	1	5	Low	22.71	PASS
Band66	20MHz	QPSK	132072	6	0	Low	22.54	PASS
Band66	20MHz	16QAM	132072	6	0	Low	22.26	PASS
Band66	20MHz	QPSK	132322	1	0	Low	22.82	PASS
Band66	20MHz	16QAM	132322	1	0	Low	22.94	PASS
Band66	20MHz	QPSK	132322	1	5	Low	23.01	PASS
Band66	20MHz	16QAM	132322	1	5	Low	23.00	PASS
Band66	20MHz	QPSK	132322	6	0	Low	22.89	PASS
Band66	20MHz	16QAM	132322	6	0	Low	22.24	PASS
Band66	20MHz	QPSK	132572	1	0	High	23.13	PASS
Band66	20MHz	16QAM	132572	1	0	High	23.20	PASS
Band66	20MHz	QPSK	132572	1	5	High	23.26	PASS
Band66	20MHz	16QAM	132572	1	5	High	23.28	PASS
Band66	20MHz	QPSK	132572	6	0	High	23.19	PASS
Band66	20MHz	16QAM	132572	6	0	High	23.23	PASS

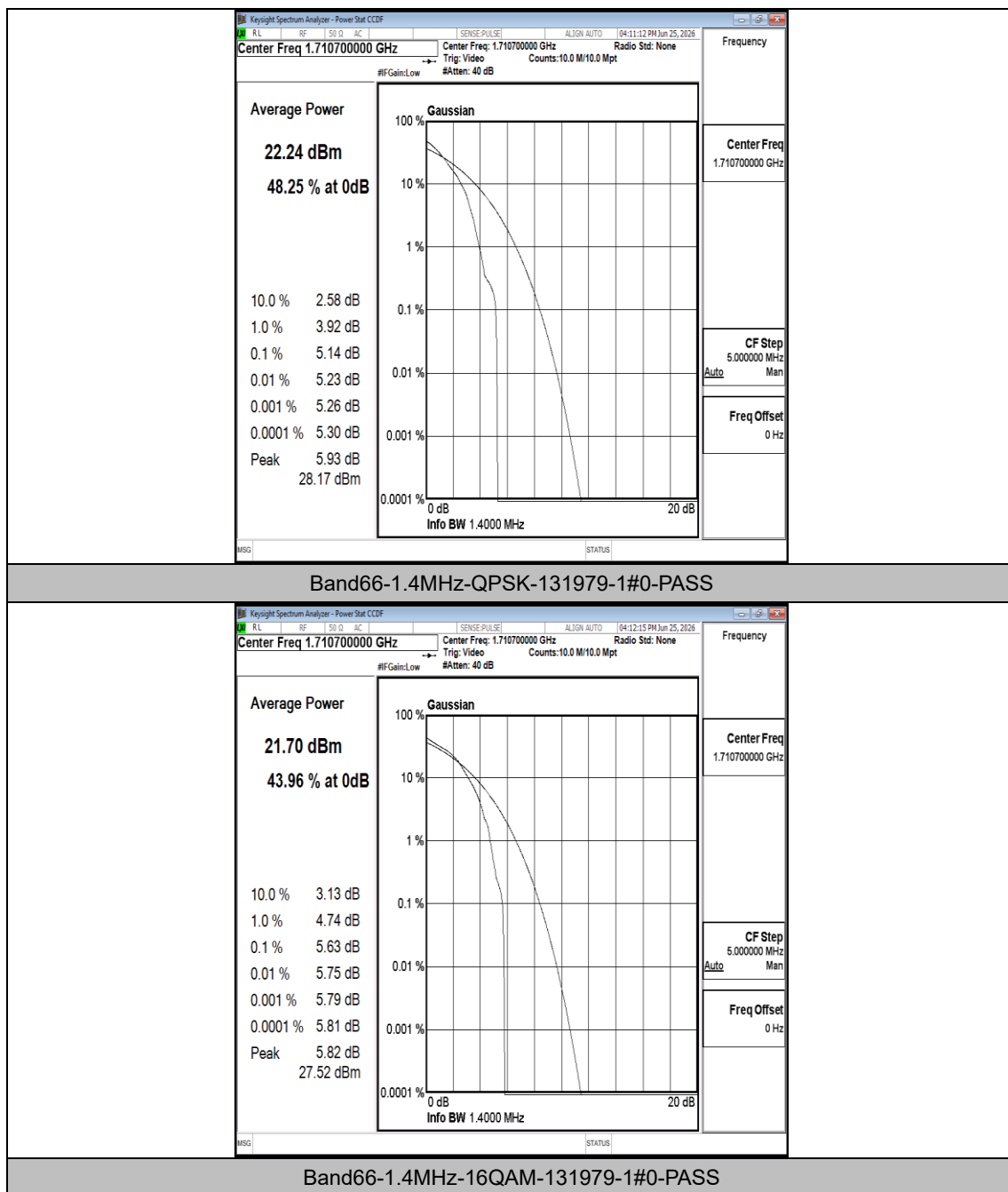
E.2 Peak-to-Average Ratio(CCDF) for M1

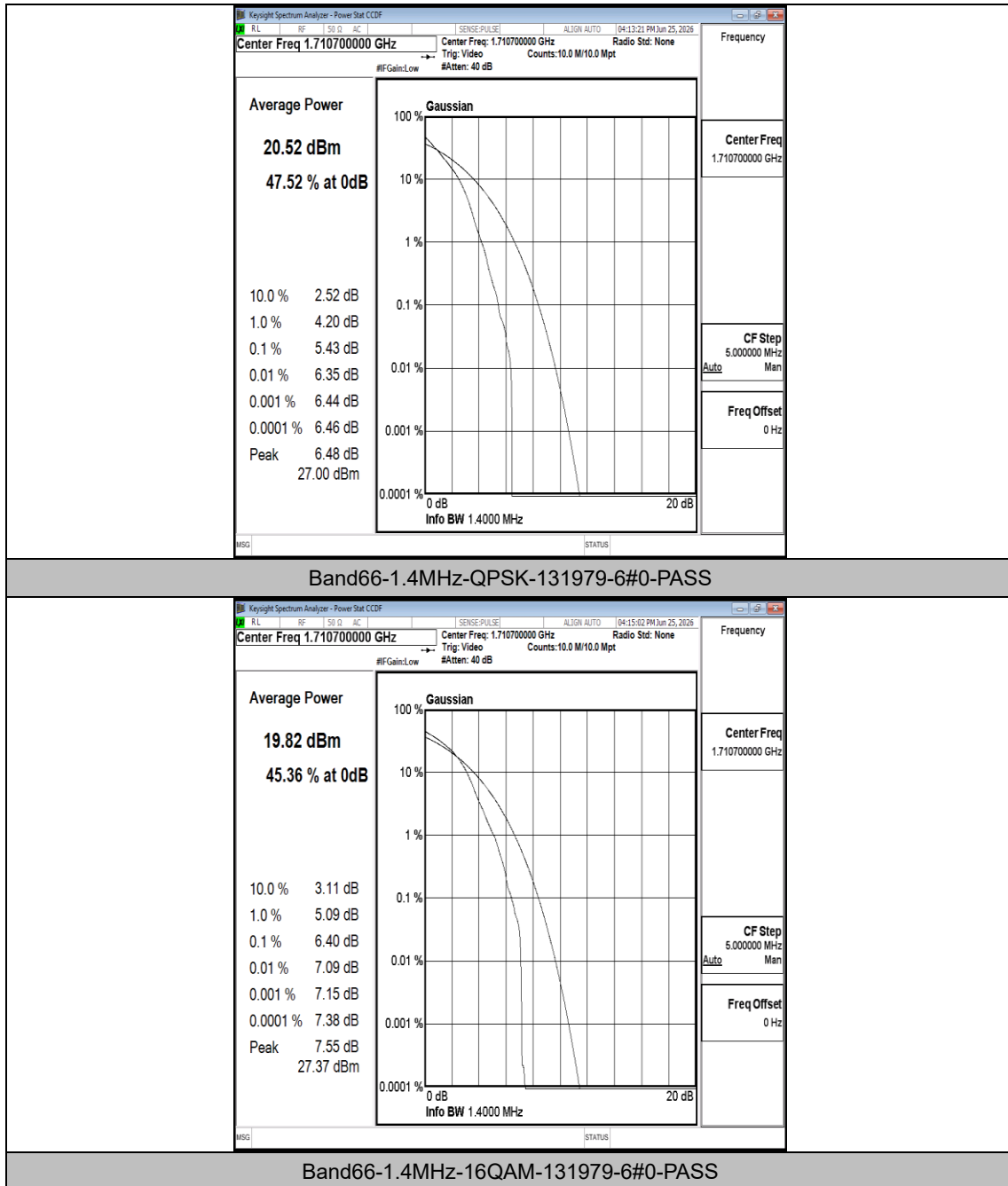
Test Result

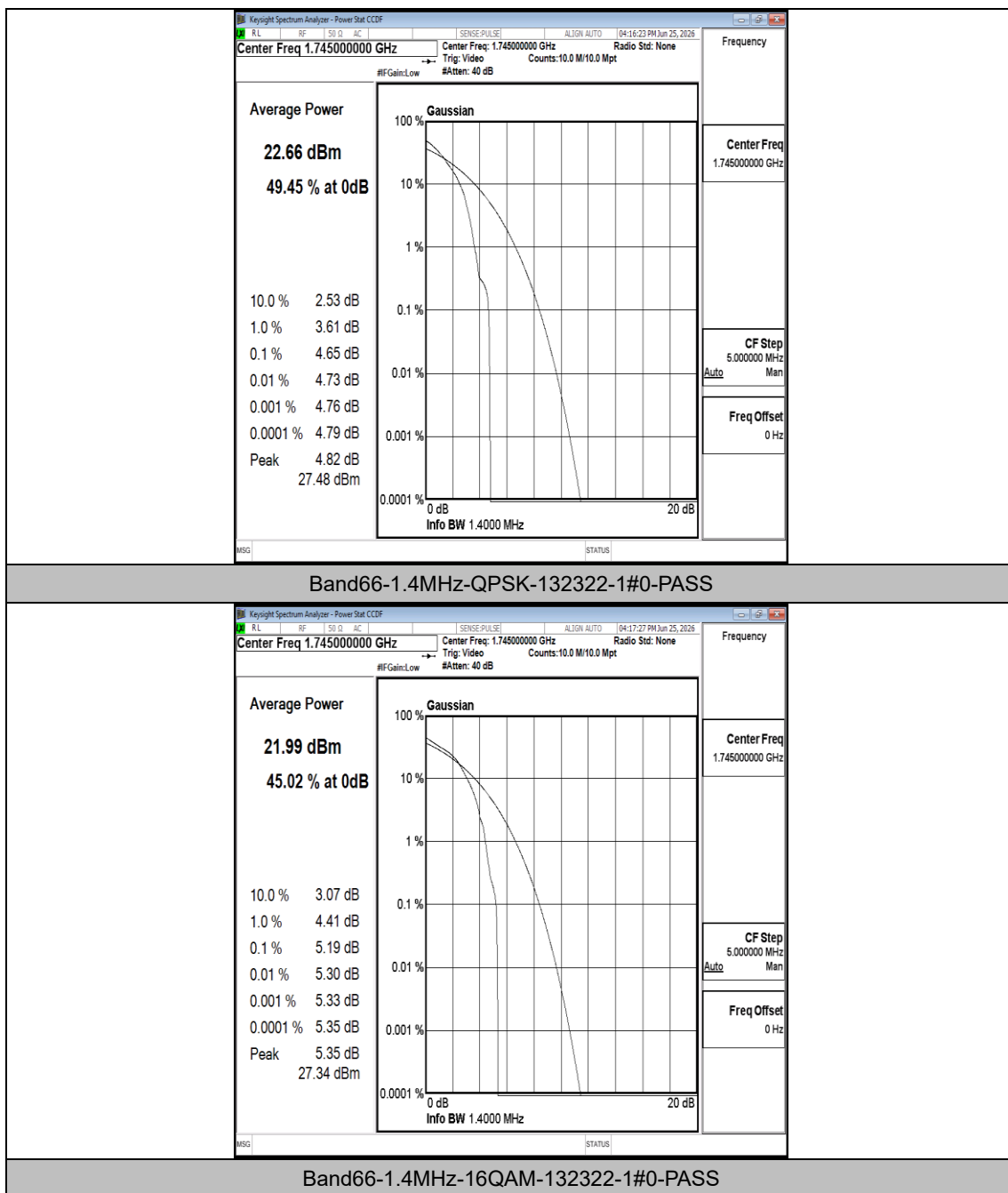
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	1	0	Low	5.14	<=13	PASS
Band66	1.4MHz	16QAM	131979	1	0	Low	5.63	<=13	PASS
Band66	1.4MHz	QPSK	131979	6	0	Low	5.43	<=13	PASS
Band66	1.4MHz	16QAM	131979	6	0	Low	6.40	<=13	PASS
Band66	1.4MHz	QPSK	132322	1	0	Low	4.65	<=13	PASS
Band66	1.4MHz	16QAM	132322	1	0	Low	5.19	<=13	PASS
Band66	1.4MHz	QPSK	132322	6	0	Low	5.28	<=13	PASS
Band66	1.4MHz	16QAM	132322	6	0	Low	6.15	<=13	PASS
Band66	1.4MHz	QPSK	132665	1	5	High	4.40	<=13	PASS
Band66	1.4MHz	16QAM	132665	1	5	High	5.01	<=13	PASS
Band66	1.4MHz	QPSK	132665	6	0	High	5.16	<=13	PASS
Band66	1.4MHz	16QAM	132665	6	0	High	6.03	<=13	PASS
Band66	3MHz	QPSK	131987	1	0	Low	5.07	<=13	PASS
Band66	3MHz	16QAM	131987	1	0	Low	5.62	<=13	PASS
Band66	3MHz	QPSK	131987	6	0	Low	5.51	<=13	PASS
Band66	3MHz	16QAM	131987	6	0	Low	6.23	<=13	PASS
Band66	3MHz	QPSK	132322	1	0	Low	4.59	<=13	PASS
Band66	3MHz	16QAM	132322	1	0	Low	5.15	<=13	PASS
Band66	3MHz	QPSK	132322	6	0	Low	5.95	<=13	PASS
Band66	3MHz	16QAM	132322	6	0	Low	6.00	<=13	PASS
Band66	3MHz	QPSK	132657	1	5	High	4.33	<=13	PASS
Band66	3MHz	16QAM	132657	1	5	High	5.00	<=13	PASS
Band66	3MHz	QPSK	132657	6	0	High	5.16	<=13	PASS
Band66	3MHz	16QAM	132657	6	0	High	5.93	<=13	PASS
Band66	5MHz	QPSK	131997	1	0	Low	4.68	<=13	PASS
Band66	5MHz	16QAM	131997	1	0	Low	4.86	<=13	PASS
Band66	5MHz	QPSK	131997	6	0	Low	5.22	<=13	PASS
Band66	5MHz	16QAM	131997	6	0	Low	6.98	<=13	PASS
Band66	5MHz	QPSK	132322	1	0	Low	4.22	<=13	PASS
Band66	5MHz	16QAM	132322	1	0	Low	4.39	<=13	PASS
Band66	5MHz	QPSK	132322	6	0	Low	5.01	<=13	PASS
Band66	5MHz	16QAM	132322	6	0	Low	6.55	<=13	PASS
Band66	5MHz	QPSK	132647	1	5	High	4.28	<=13	PASS
Band66	5MHz	16QAM	132647	1	5	High	4.25	<=13	PASS
Band66	5MHz	QPSK	132647	6	0	High	4.87	<=13	PASS

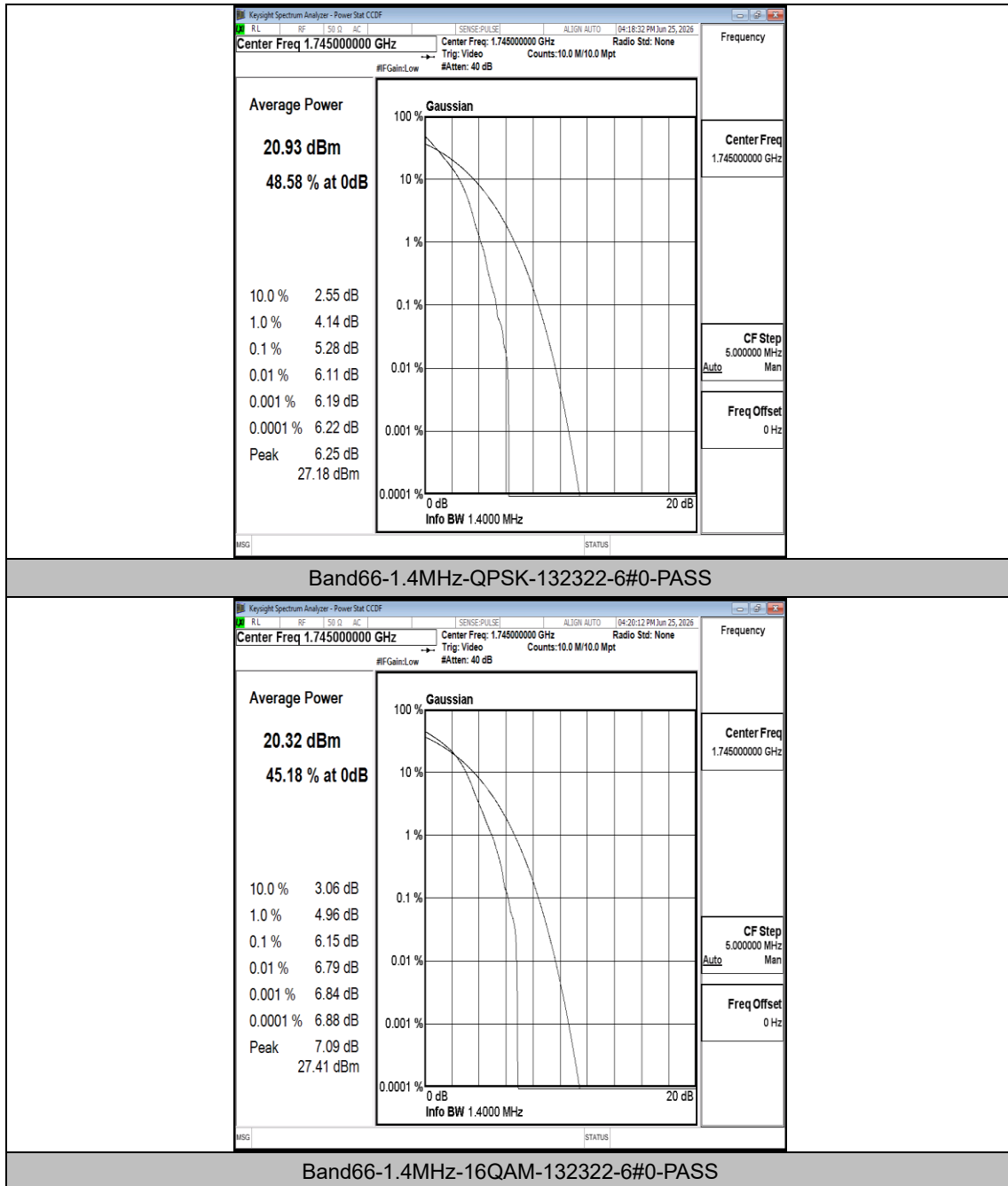
Band66	5MHz	16QAM	132647	6	0	High	6.22	<=13	PASS
Band66	10MHz	QPSK	132022	1	0	Low	4.66	<=13	PASS
Band66	10MHz	16QAM	132022	1	0	Low	4.77	<=13	PASS
Band66	10MHz	QPSK	132022	6	0	Low	5.21	<=13	PASS
Band66	10MHz	16QAM	132022	6	0	Low	6.97	<=13	PASS
Band66	10MHz	QPSK	132322	1	0	Low	4.24	<=13	PASS
Band66	10MHz	16QAM	132322	1	0	Low	4.35	<=13	PASS
Band66	10MHz	QPSK	132322	6	0	Low	4.75	<=13	PASS
Band66	10MHz	16QAM	132322	6	0	Low	6.65	<=13	PASS
Band66	10MHz	QPSK	132622	1	5	High	4.02	<=13	PASS
Band66	10MHz	16QAM	132622	1	5	High	4.19	<=13	PASS
Band66	10MHz	QPSK	132622	6	0	High	4.61	<=13	PASS
Band66	10MHz	16QAM	132622	6	0	High	6.19	<=13	PASS
Band66	15MHz	QPSK	132047	1	0	Low	4.65	<=13	PASS
Band66	15MHz	16QAM	132047	1	0	Low	4.78	<=13	PASS
Band66	15MHz	QPSK	132047	6	0	Low	4.89	<=13	PASS
Band66	15MHz	16QAM	132047	6	0	Low	6.17	<=13	PASS
Band66	15MHz	QPSK	132322	1	0	Low	4.19	<=13	PASS
Band66	15MHz	16QAM	132322	1	0	Low	4.34	<=13	PASS
Band66	15MHz	QPSK	132322	6	0	Low	4.36	<=13	PASS
Band66	15MHz	16QAM	132322	6	0	Low	5.40	<=13	PASS
Band66	15MHz	QPSK	132597	1	5	High	4.22	<=13	PASS
Band66	15MHz	16QAM	132597	1	5	High	4.18	<=13	PASS
Band66	15MHz	QPSK	132597	6	0	High	3.98	<=13	PASS
Band66	15MHz	16QAM	132597	6	0	High	4.78	<=13	PASS
Band66	20MHz	QPSK	132072	1	0	Low	4.62	<=13	PASS
Band66	20MHz	16QAM	132072	1	0	Low	4.75	<=13	PASS
Band66	20MHz	QPSK	132072	6	0	Low	5.13	<=13	PASS
Band66	20MHz	16QAM	132072	6	0	Low	5.93	<=13	PASS
Band66	20MHz	QPSK	132322	1	0	Low	4.25	<=13	PASS
Band66	20MHz	16QAM	132322	1	0	Low	4.34	<=13	PASS
Band66	20MHz	QPSK	132322	6	0	Low	4.70	<=13	PASS
Band66	20MHz	16QAM	132322	6	0	Low	5.51	<=13	PASS
Band66	20MHz	QPSK	132572	1	5	High	4.42	<=13	PASS
Band66	20MHz	16QAM	132572	1	5	High	4.24	<=13	PASS
Band66	20MHz	QPSK	132572	6	0	High	4.38	<=13	PASS
Band66	20MHz	16QAM	132572	6	0	High	4.81	<=13	PASS

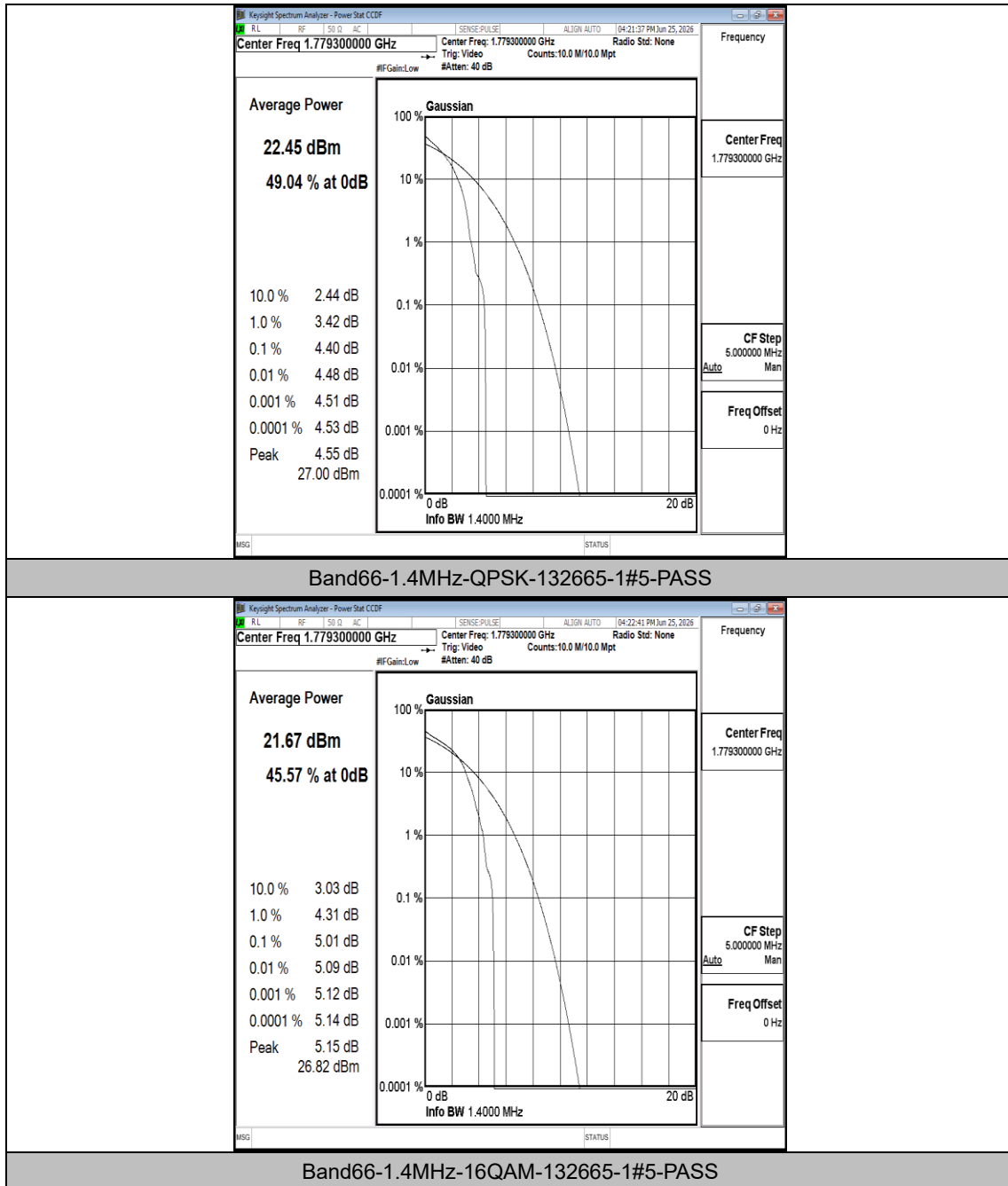
Test Graphs

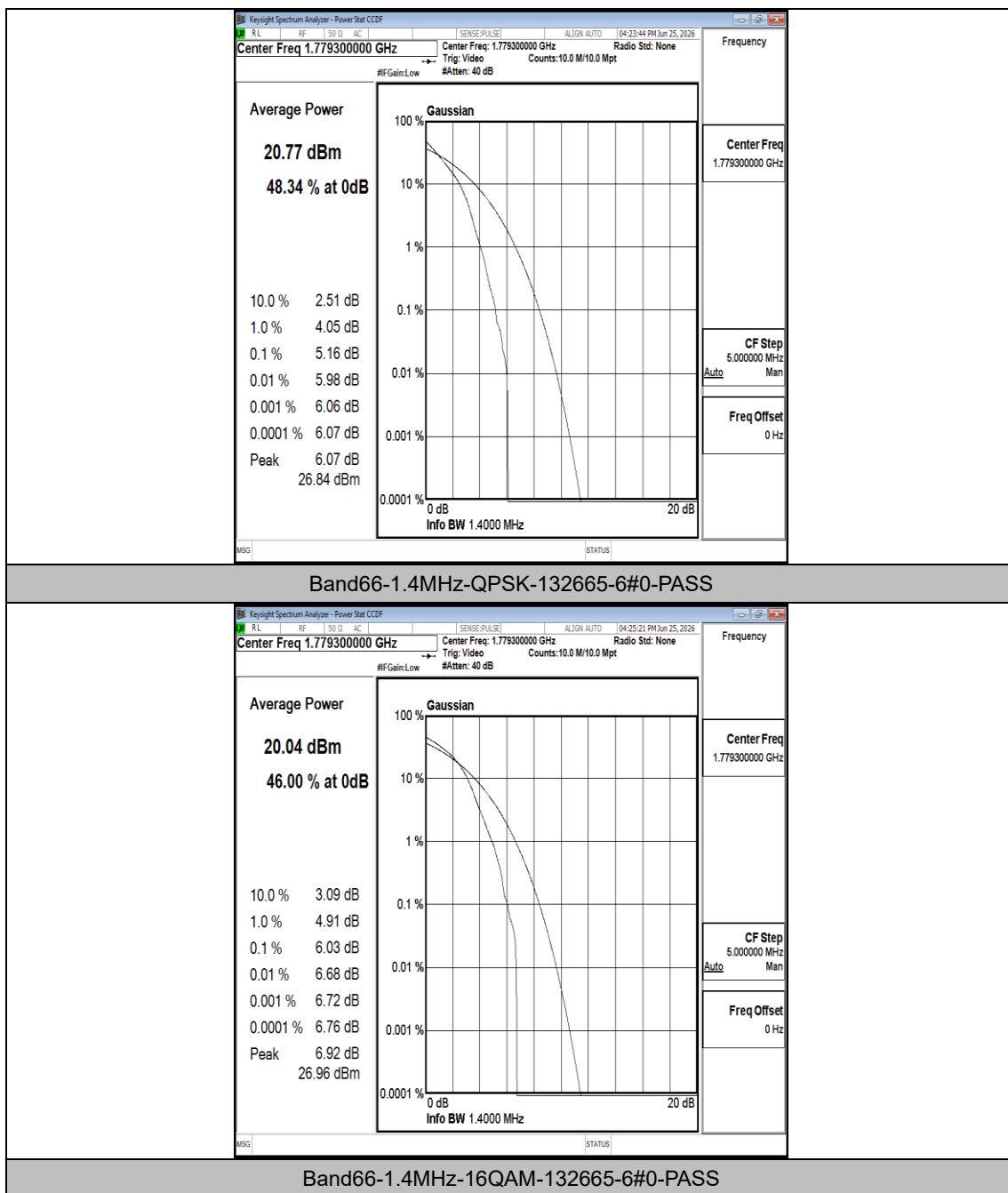


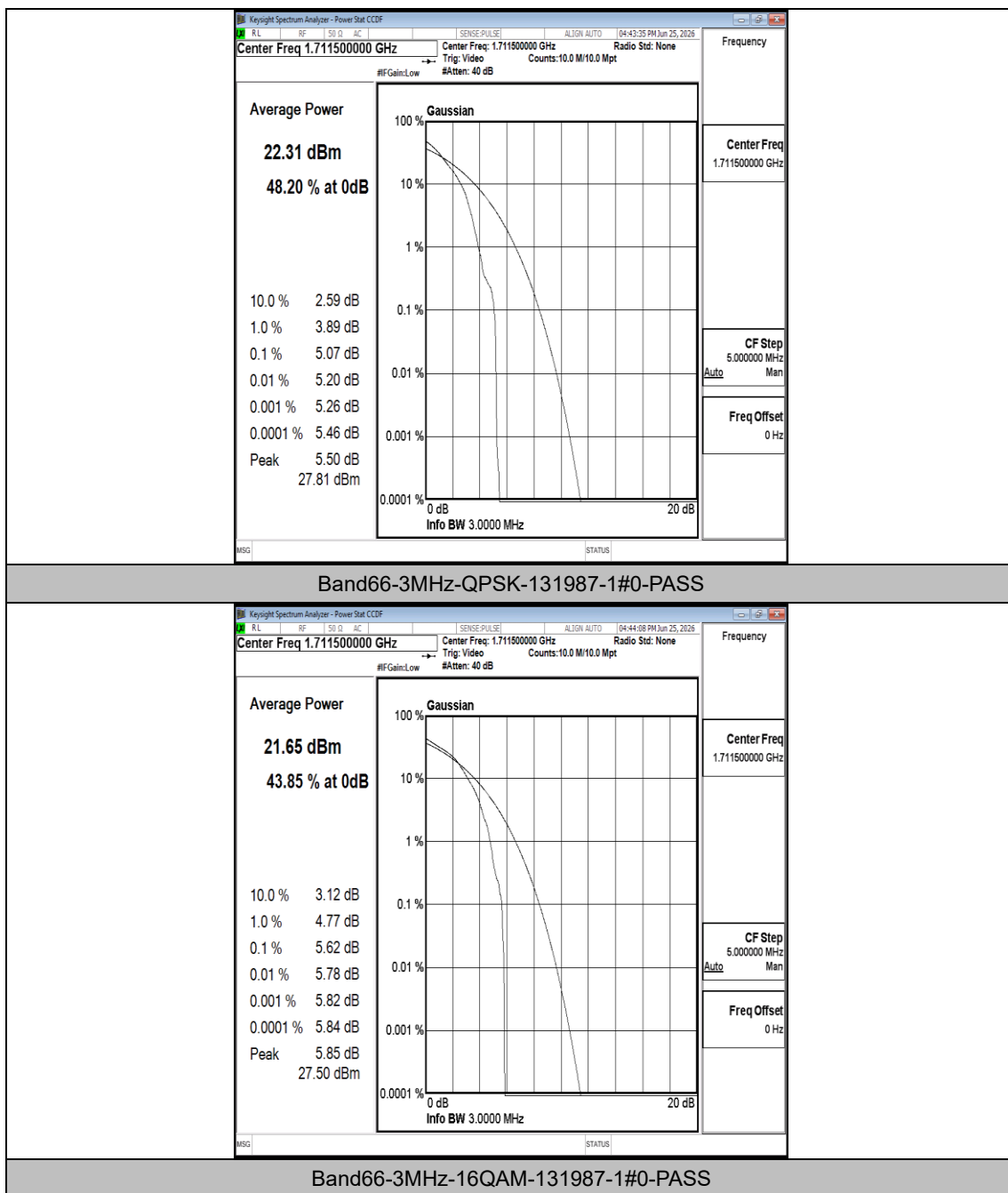


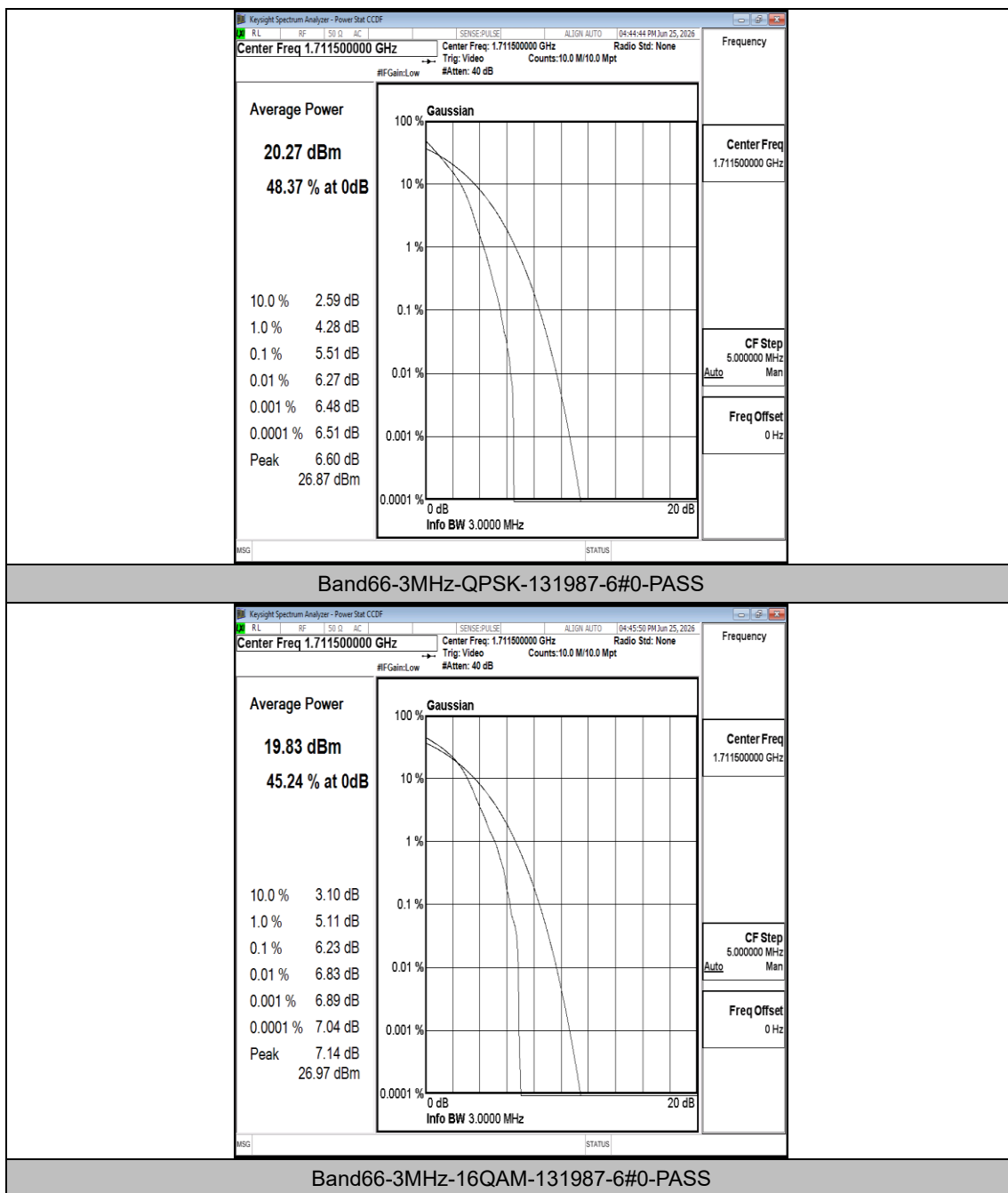


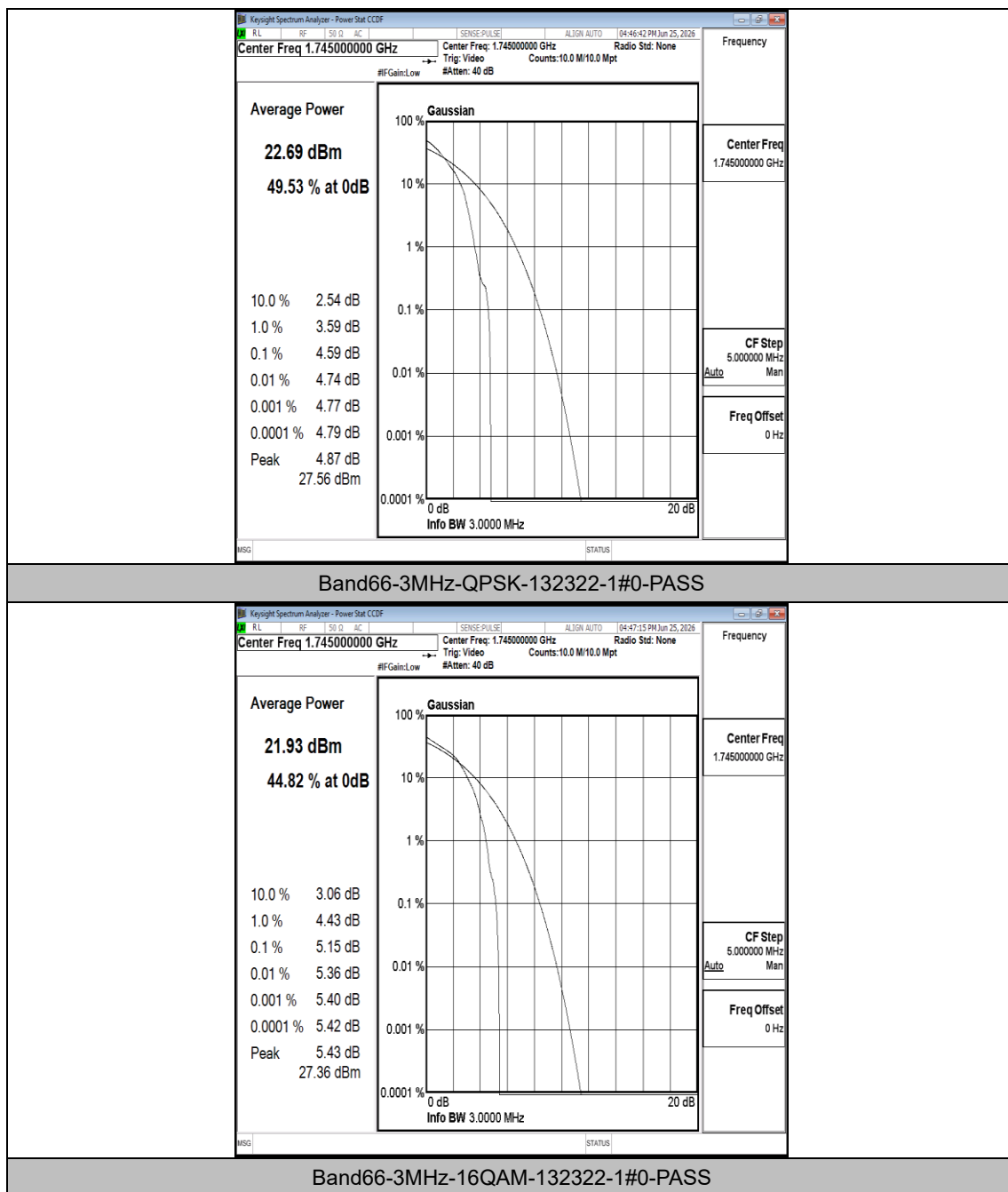


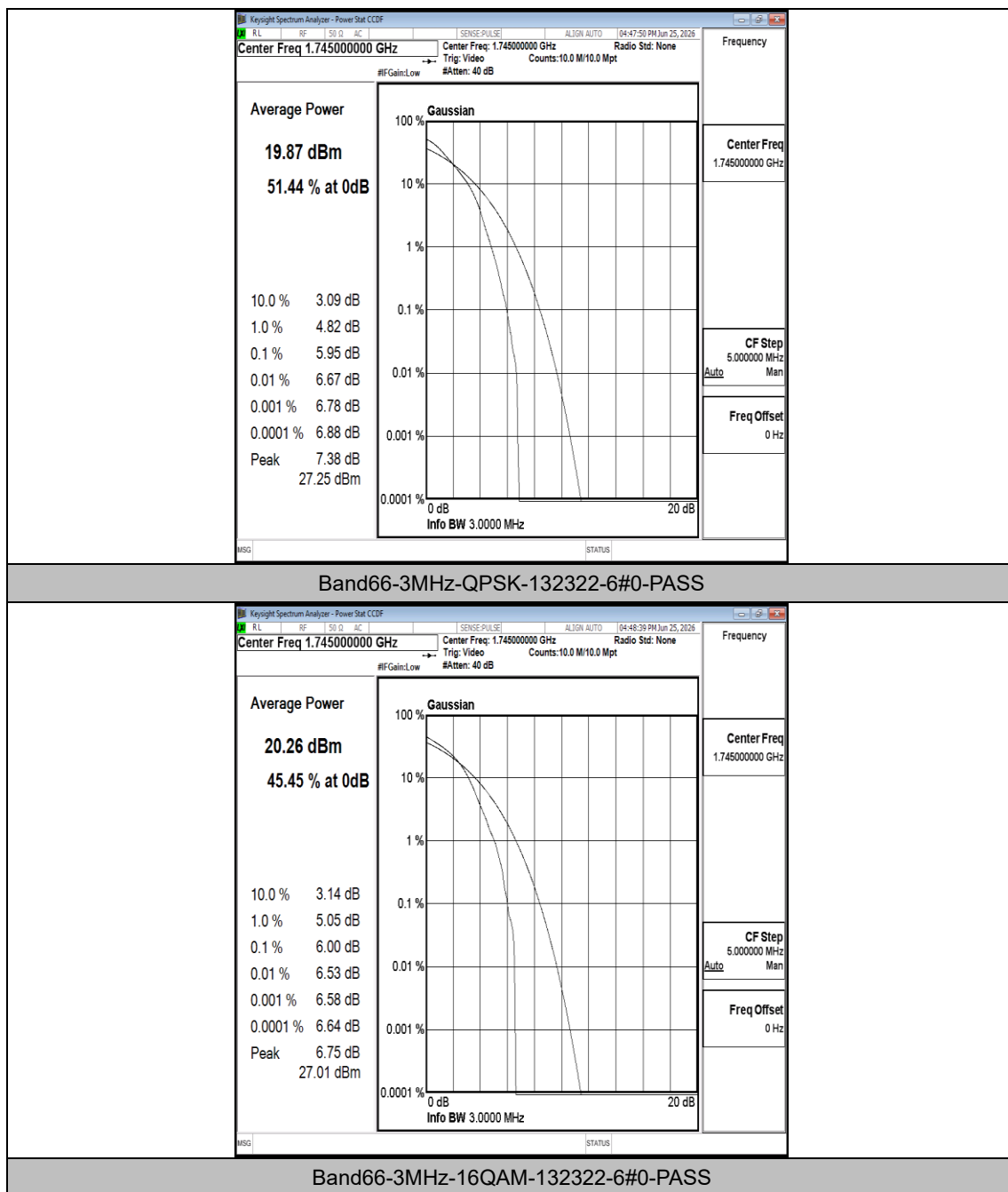


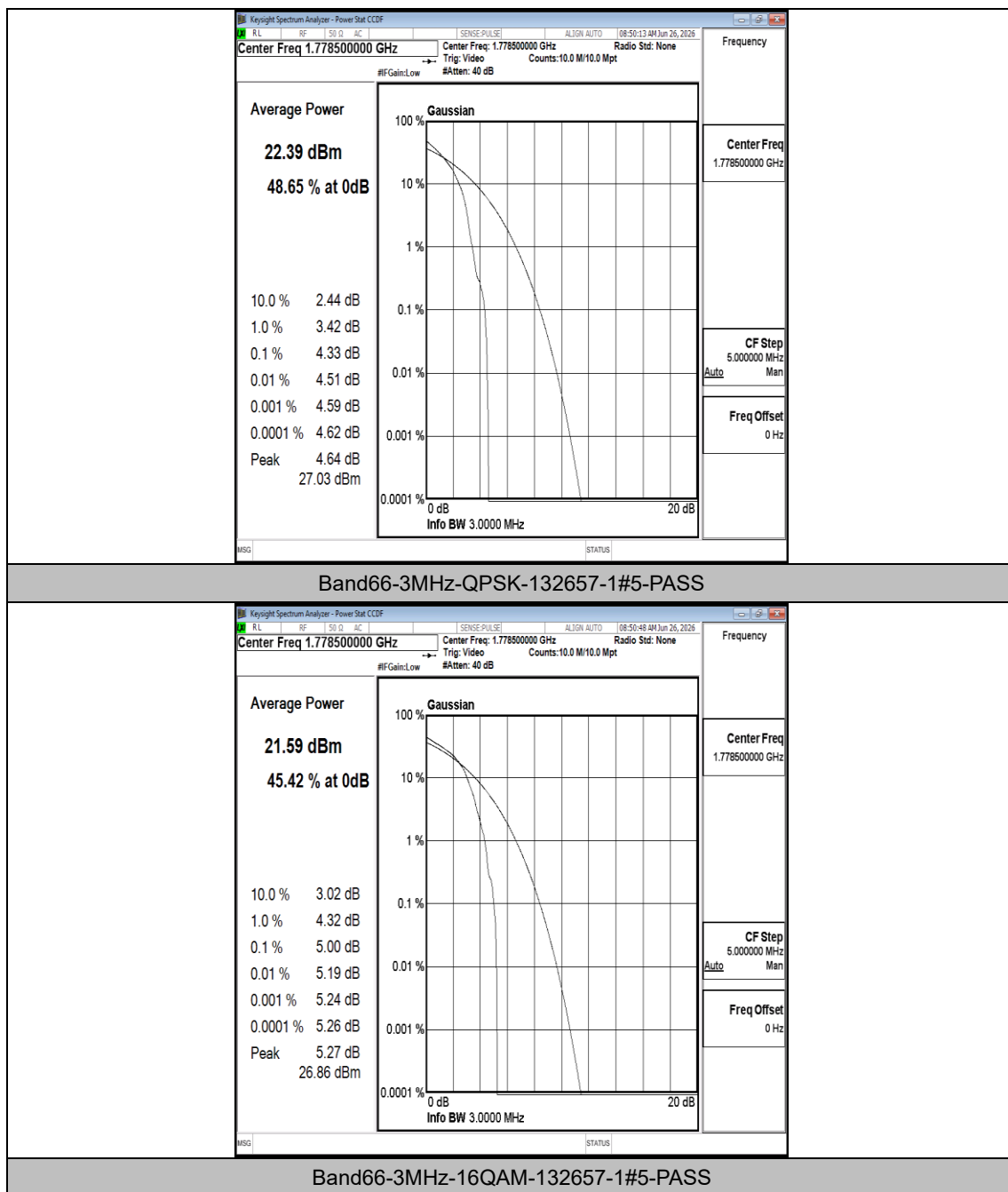


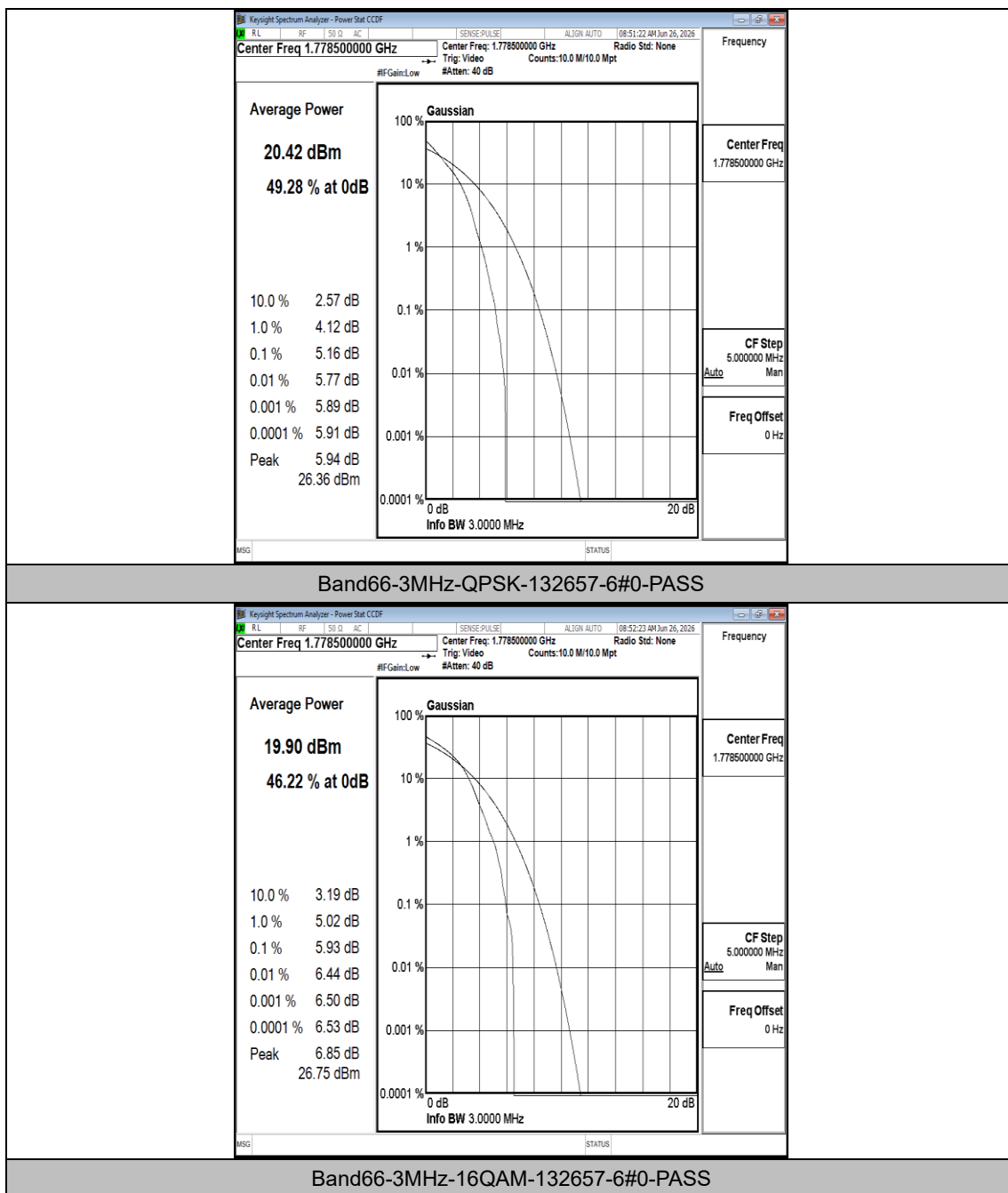


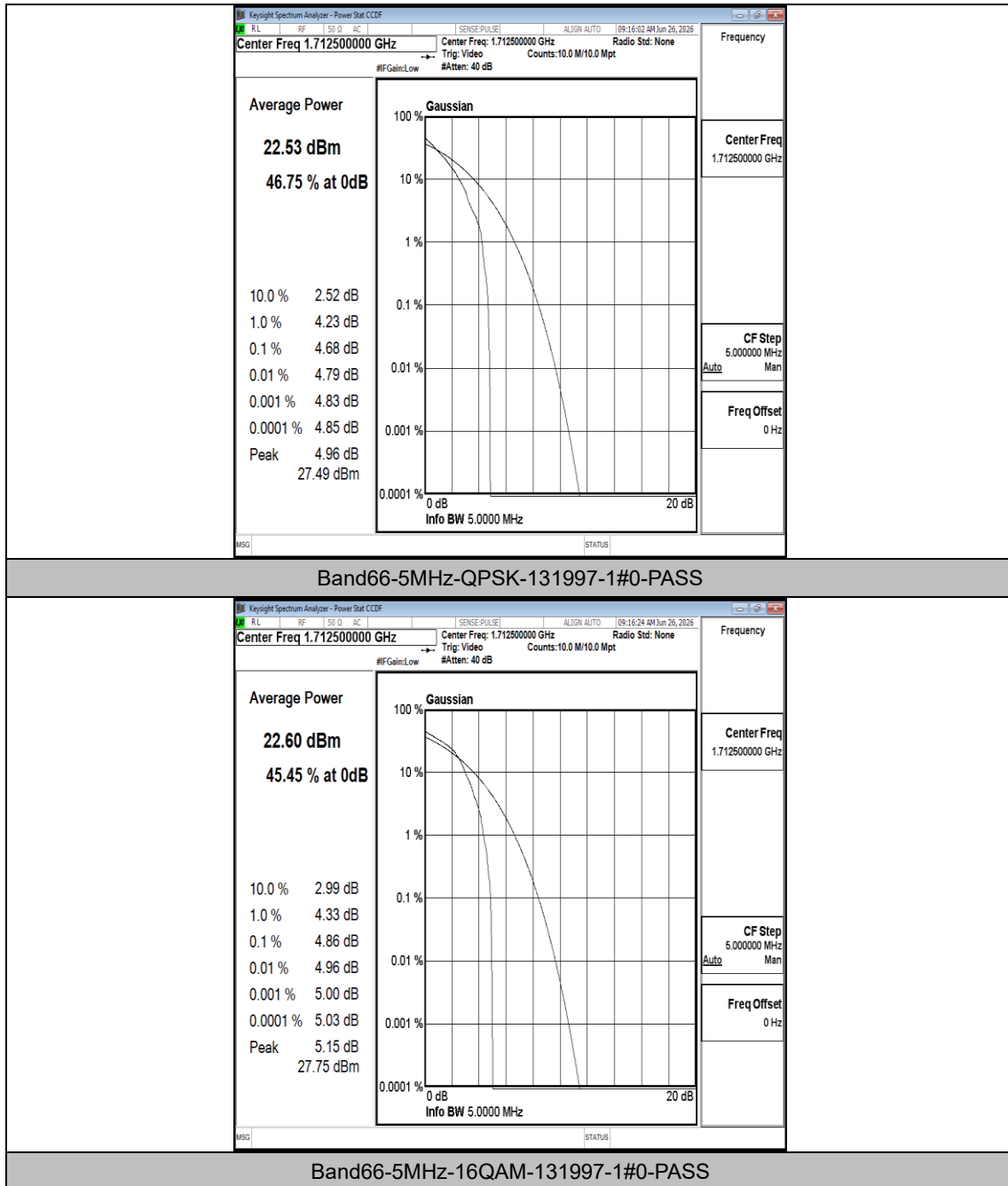


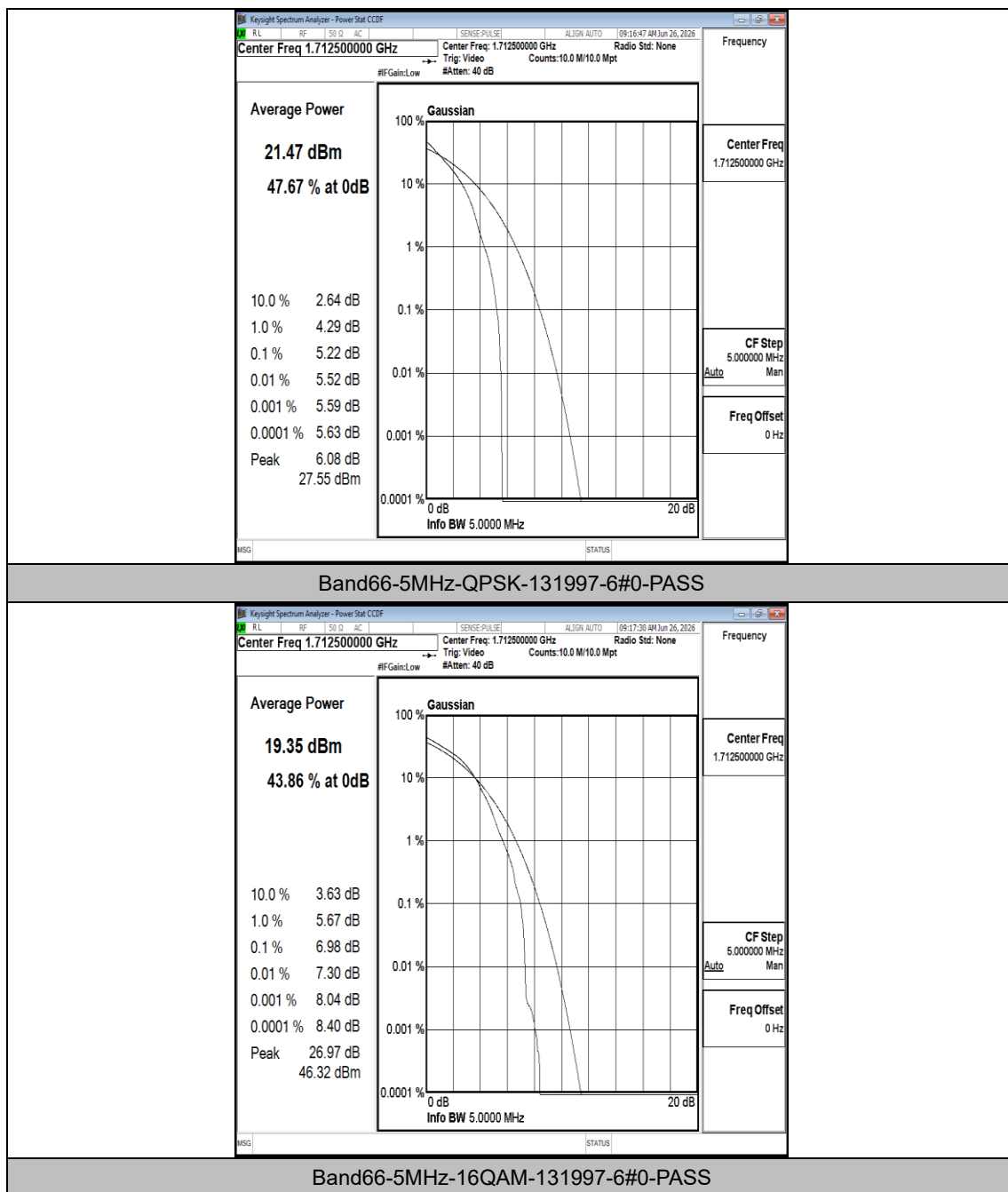


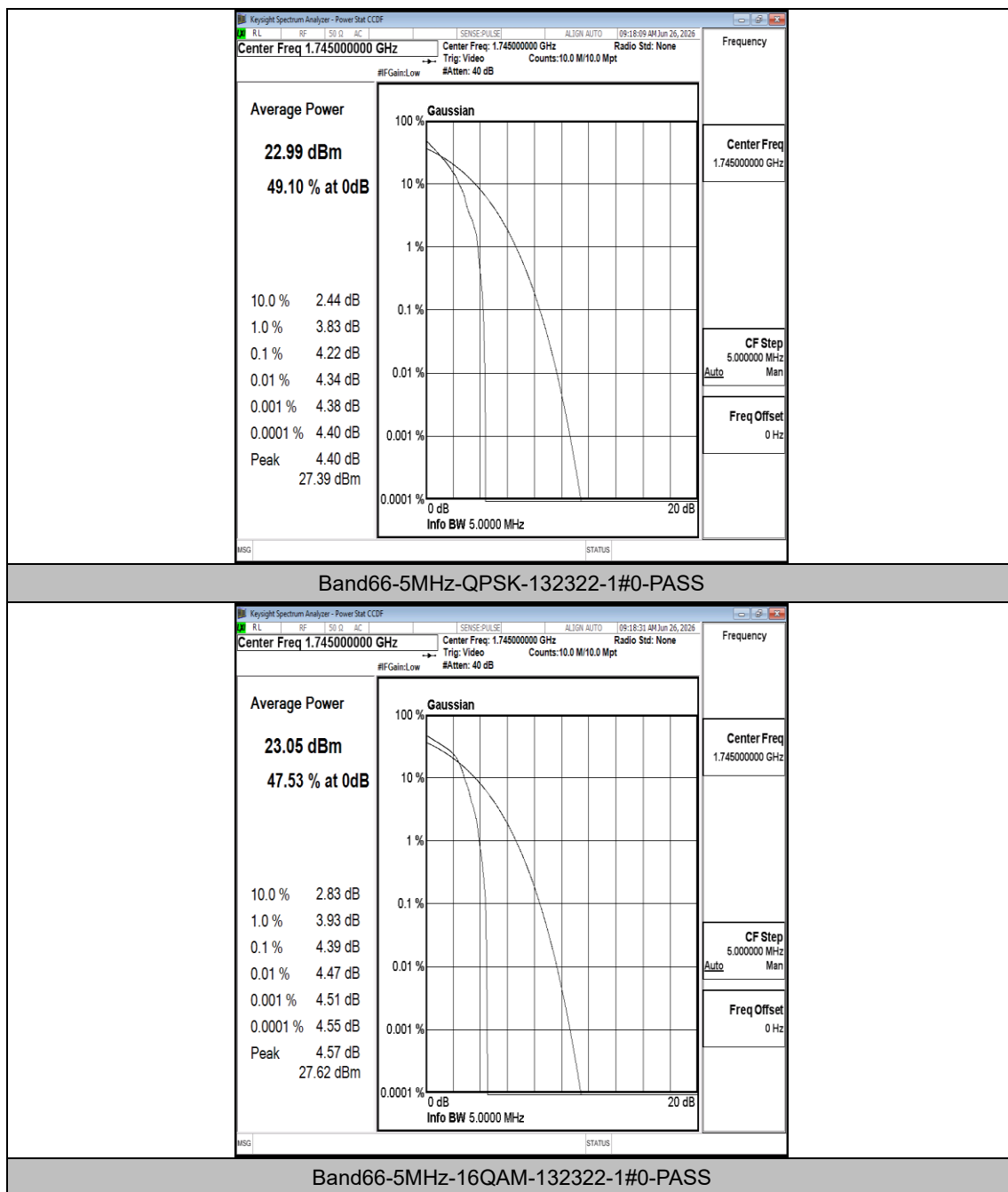


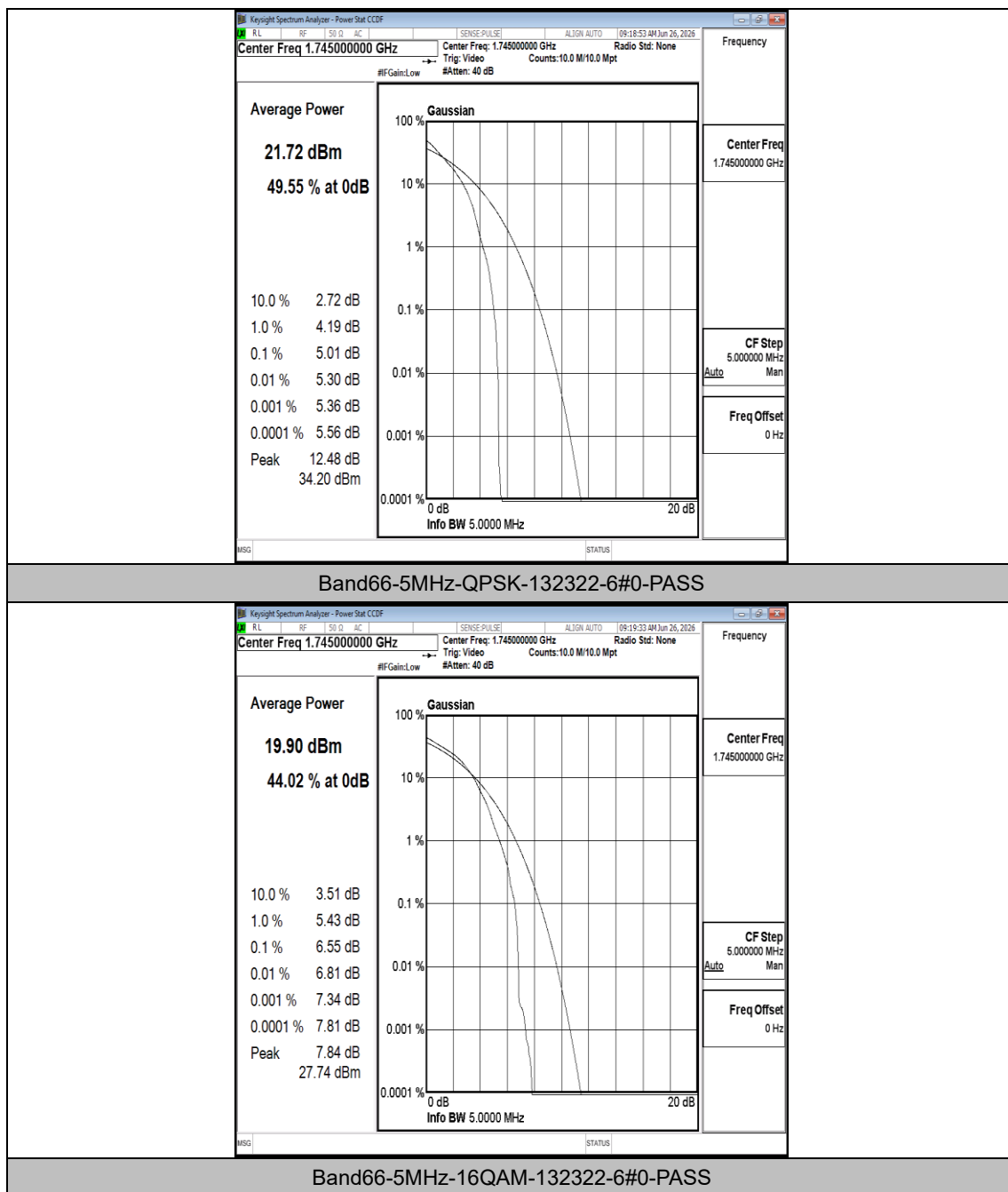


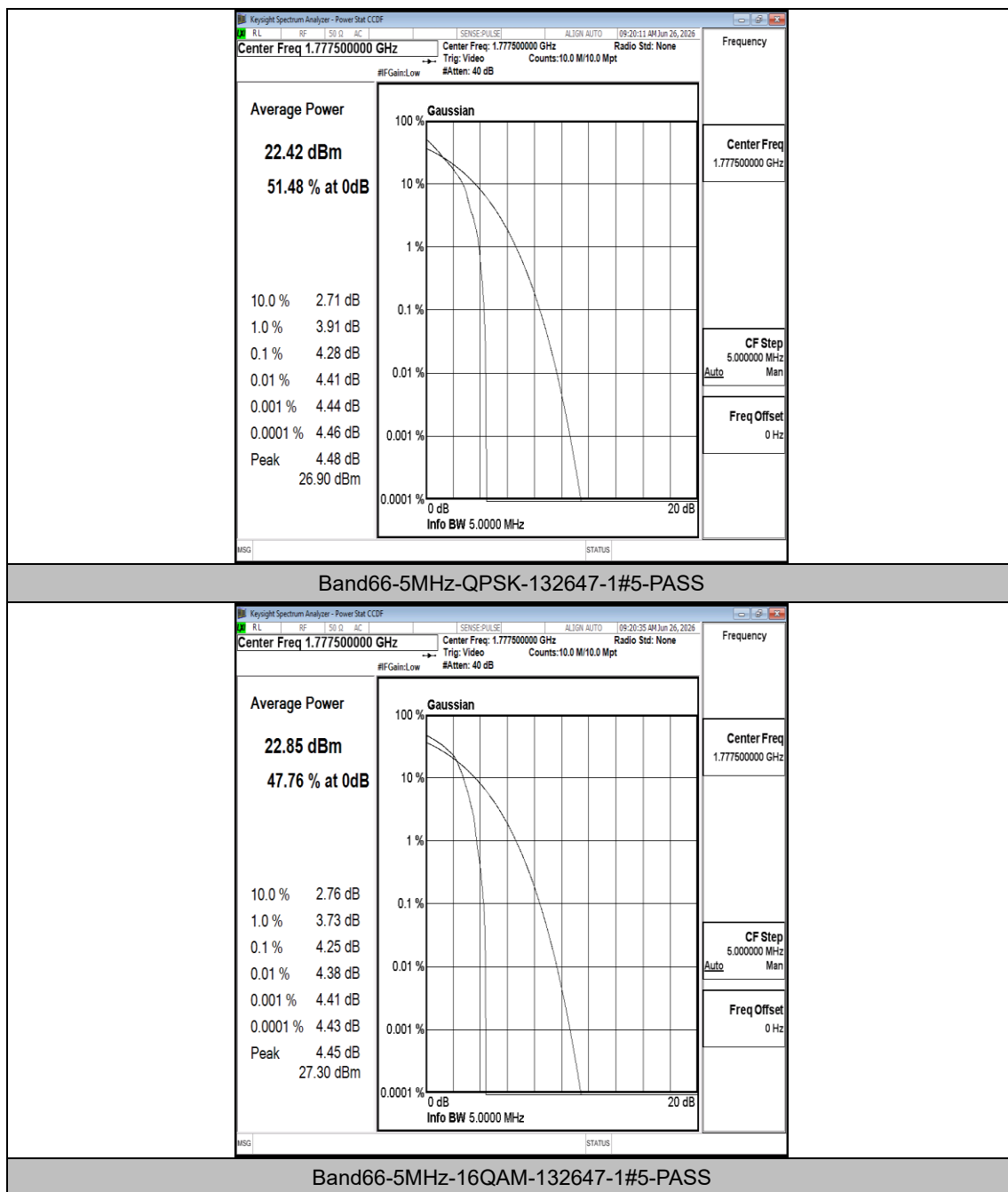


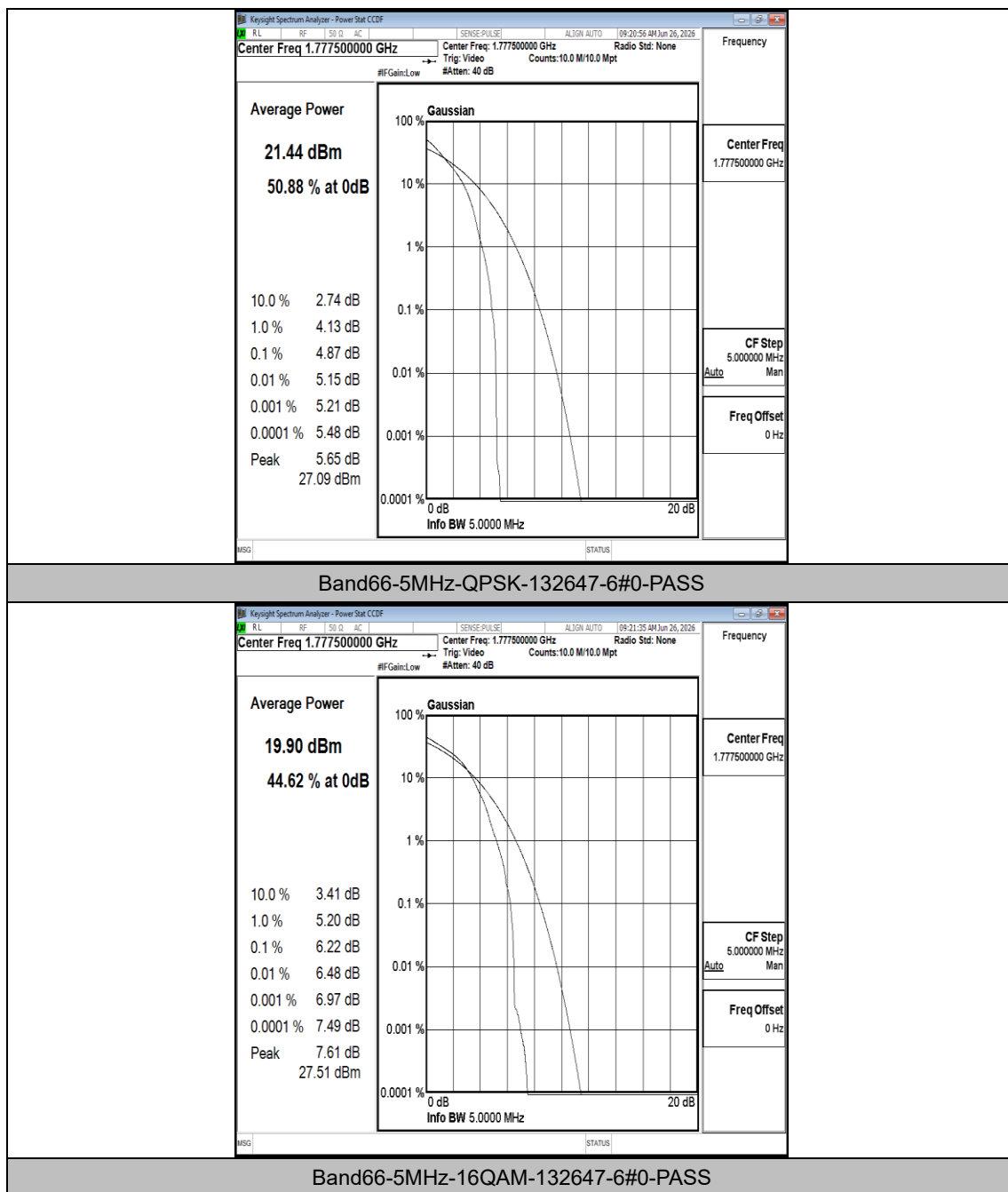


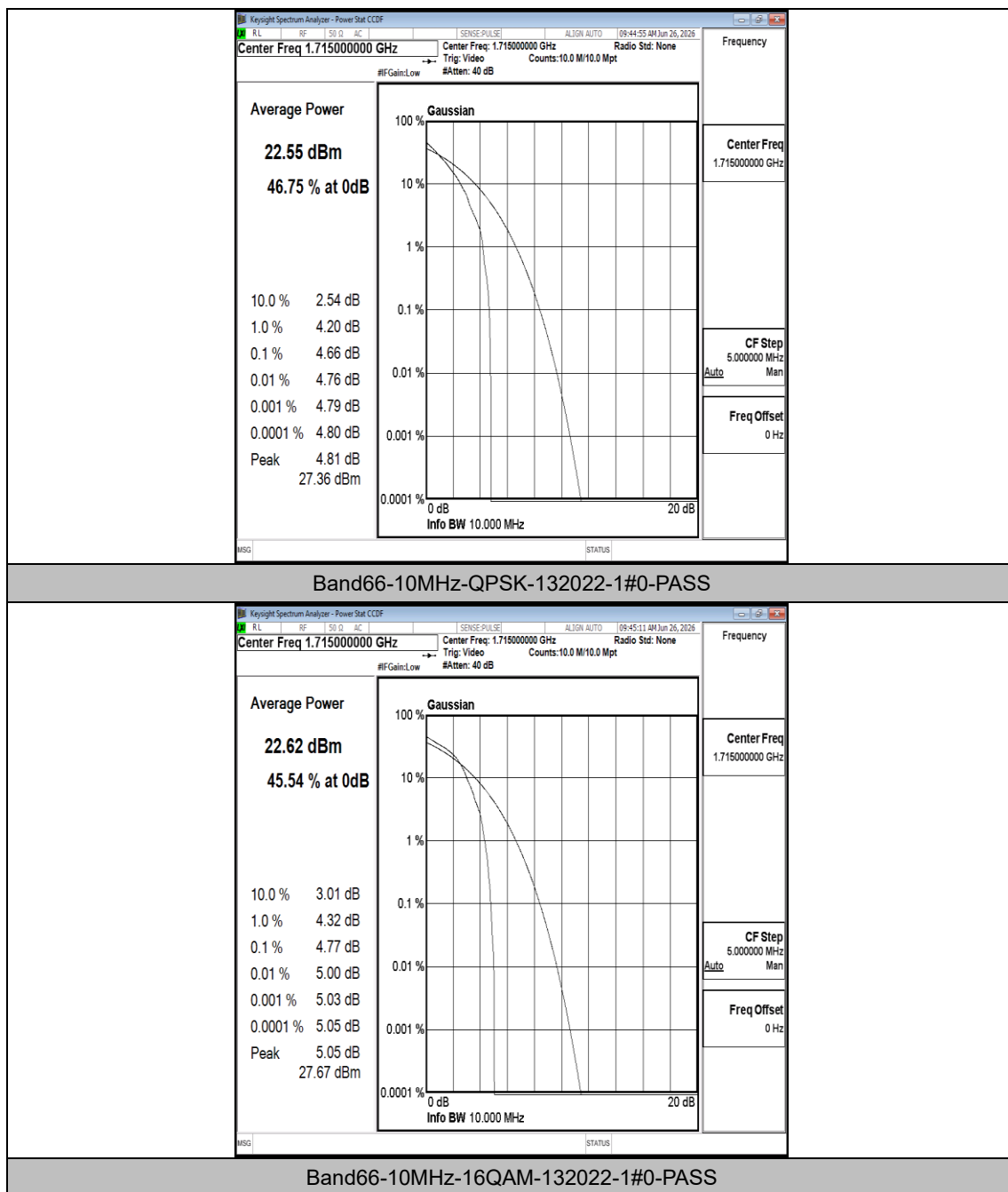


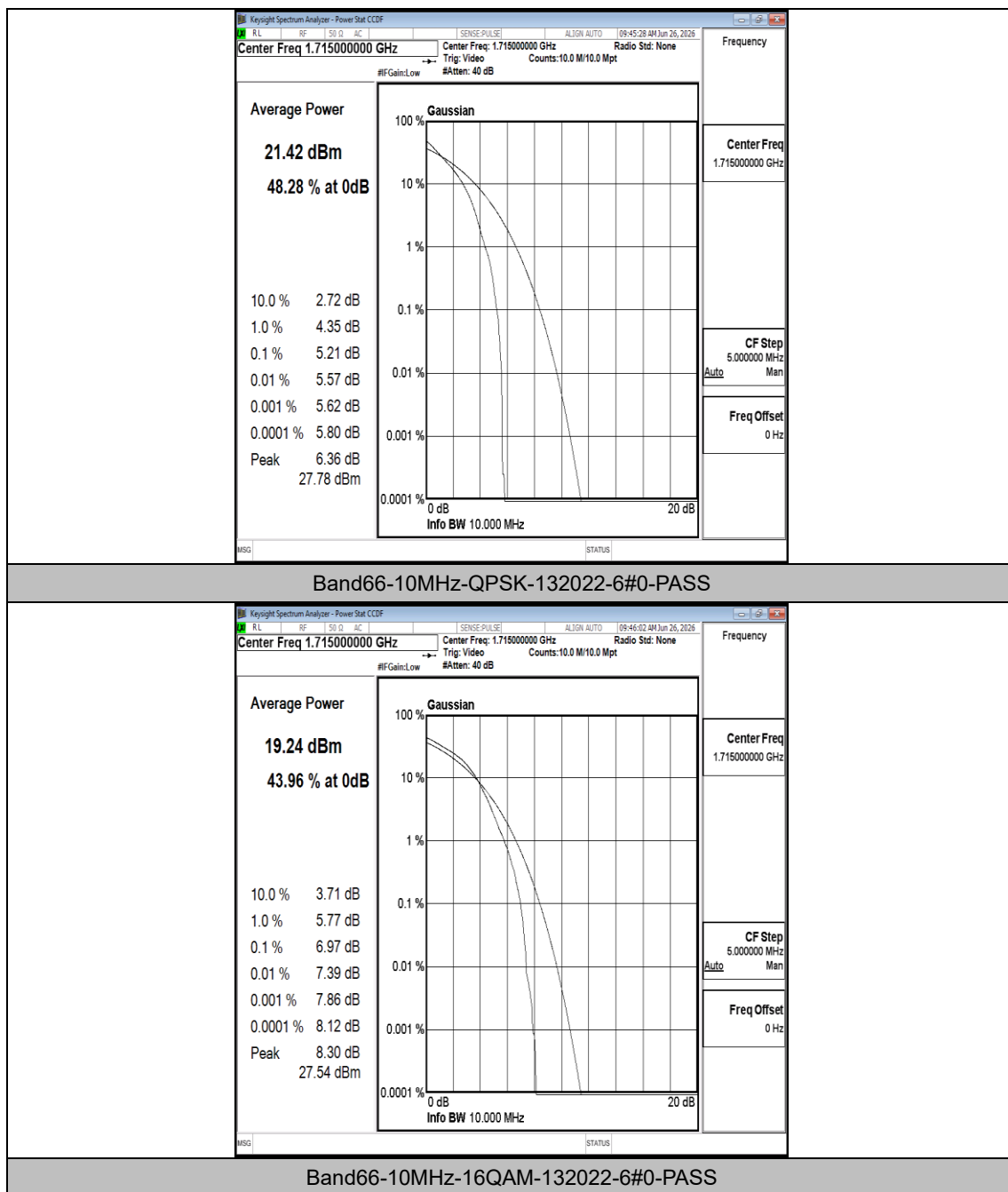


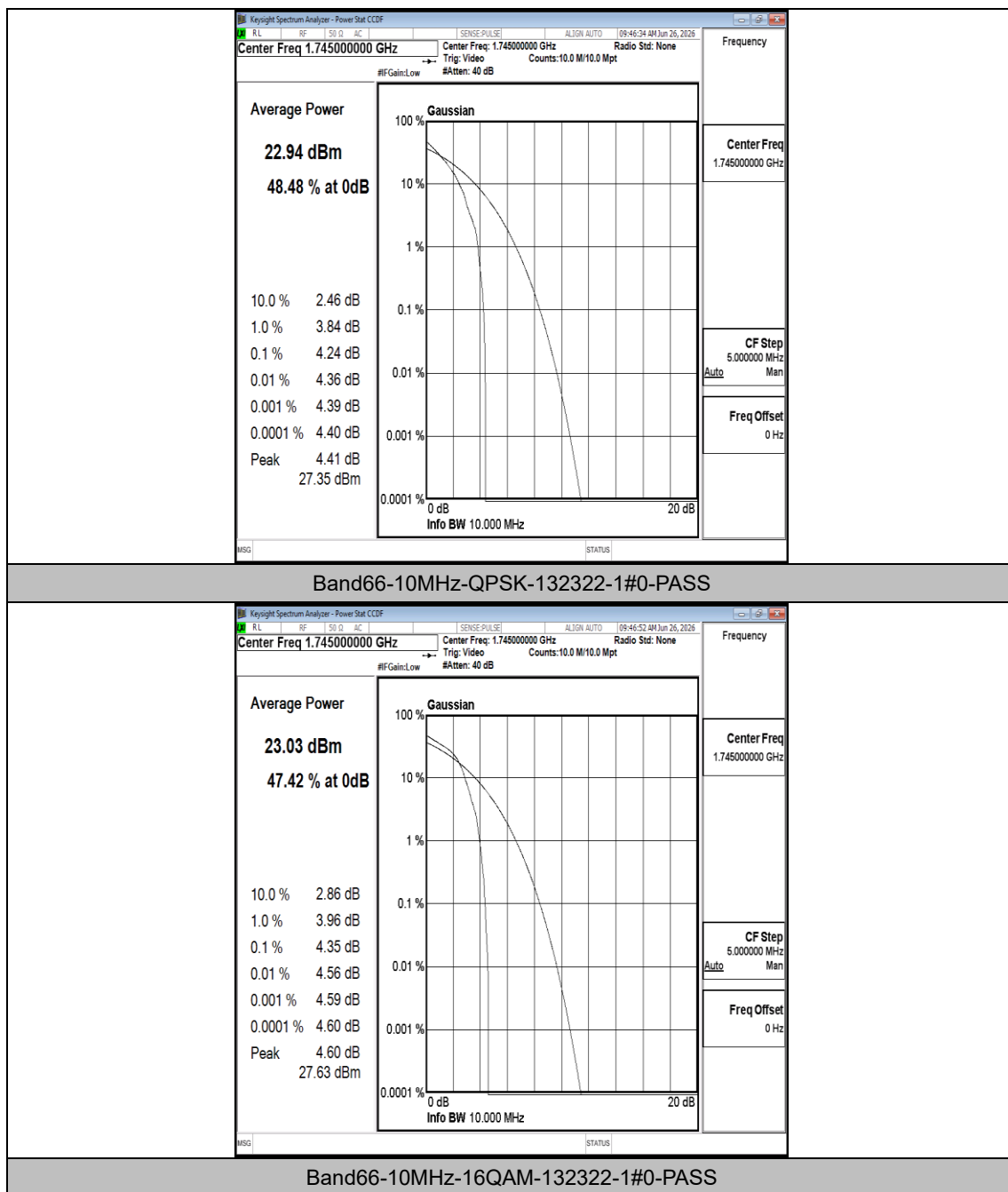


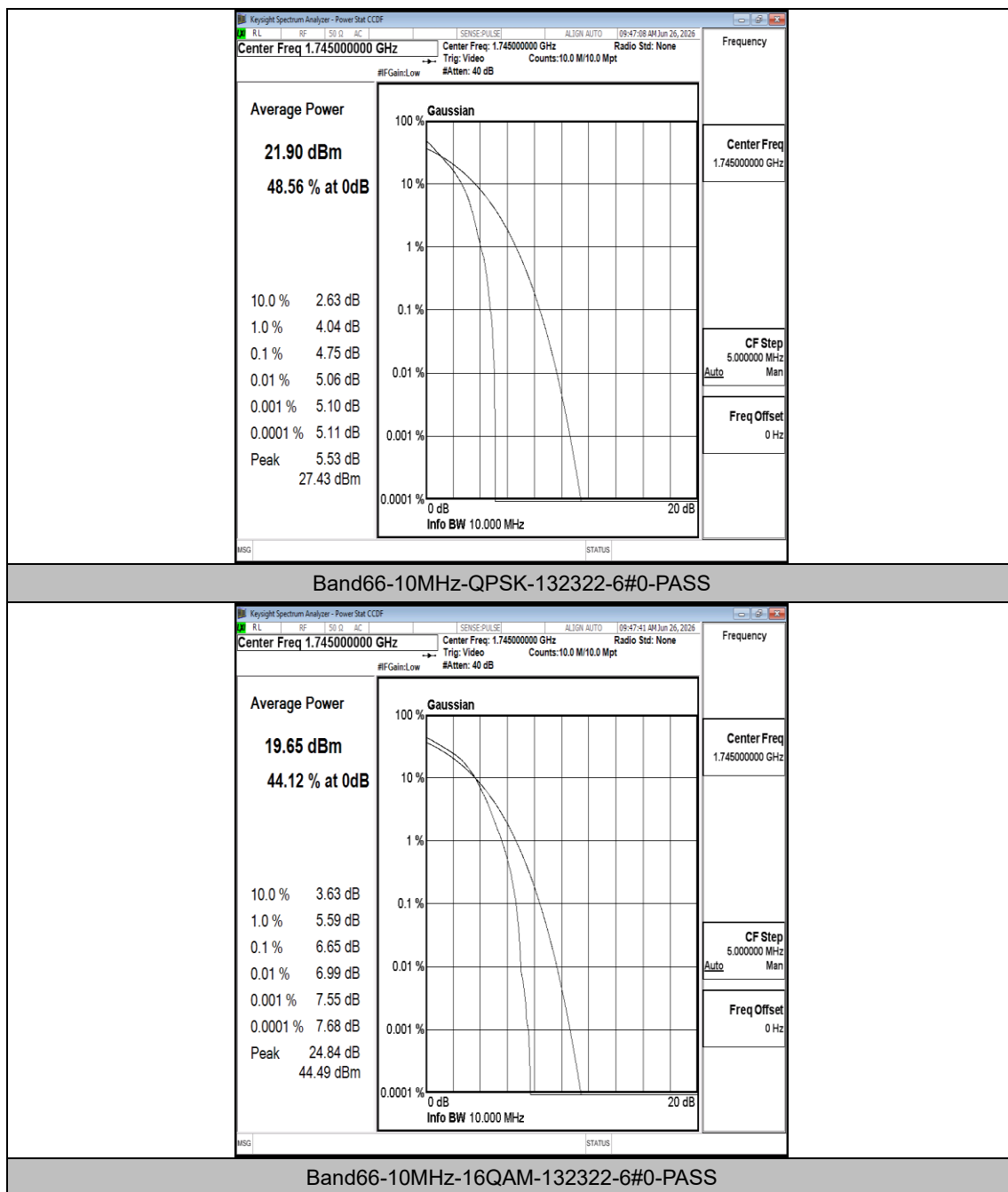


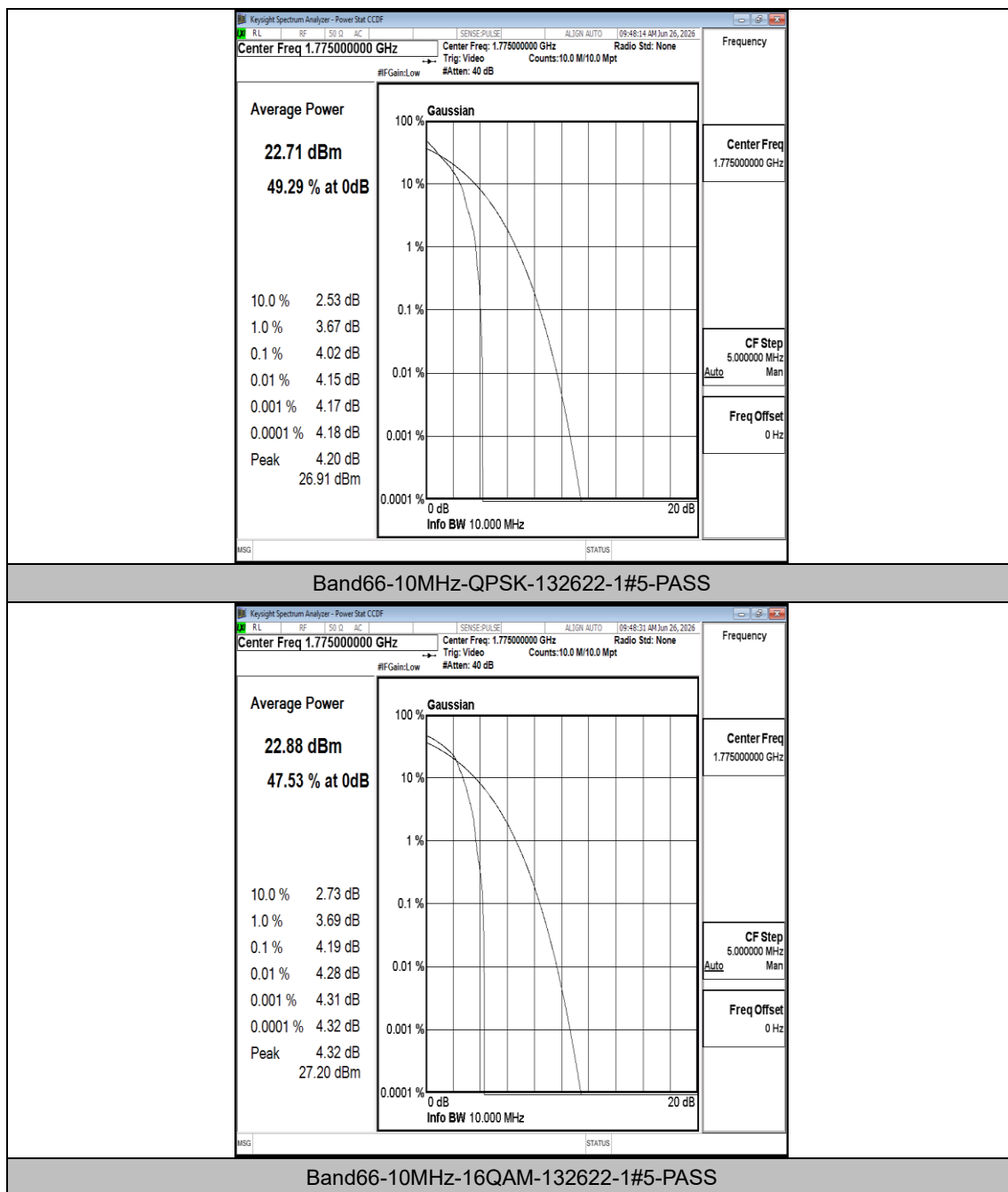


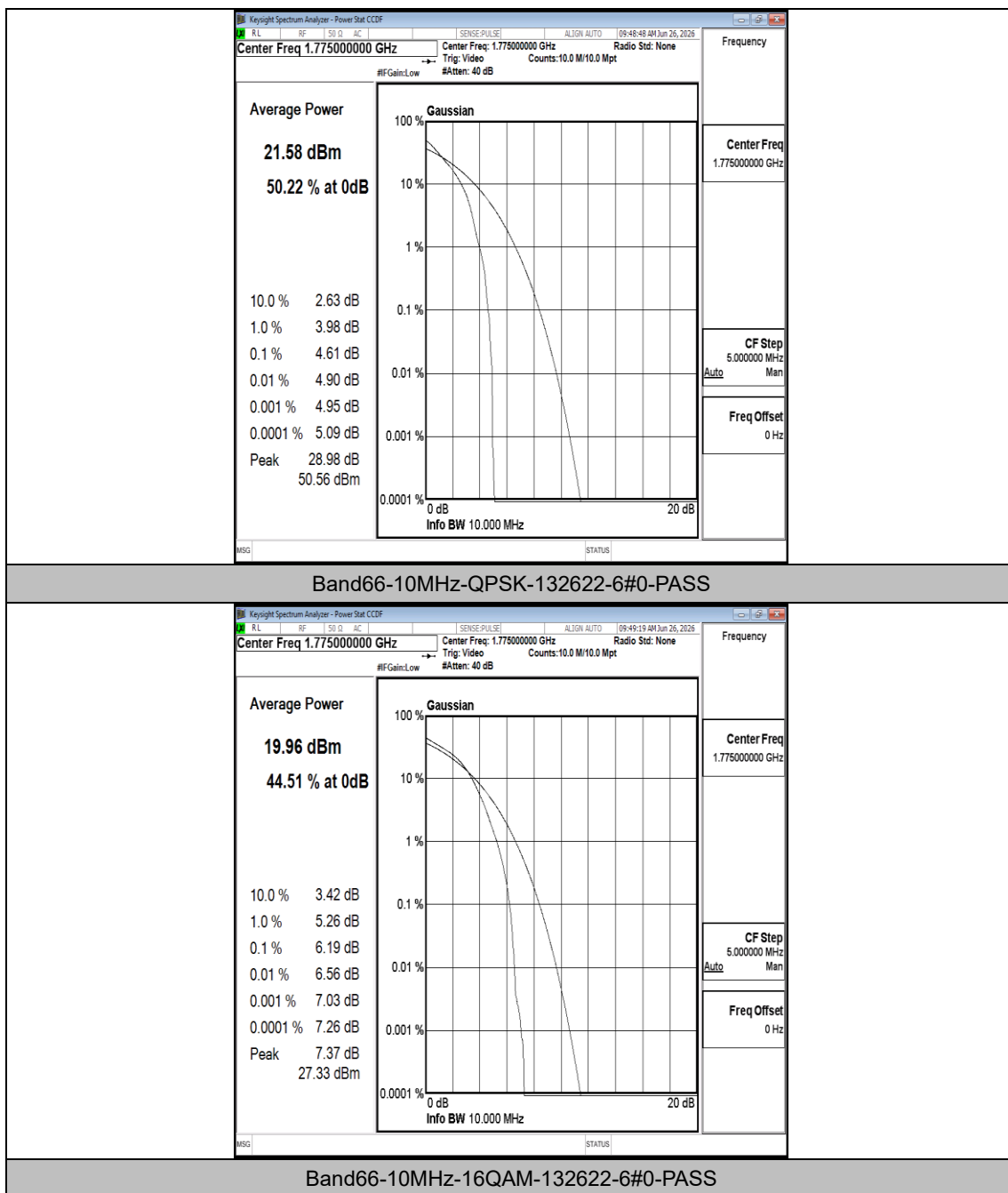


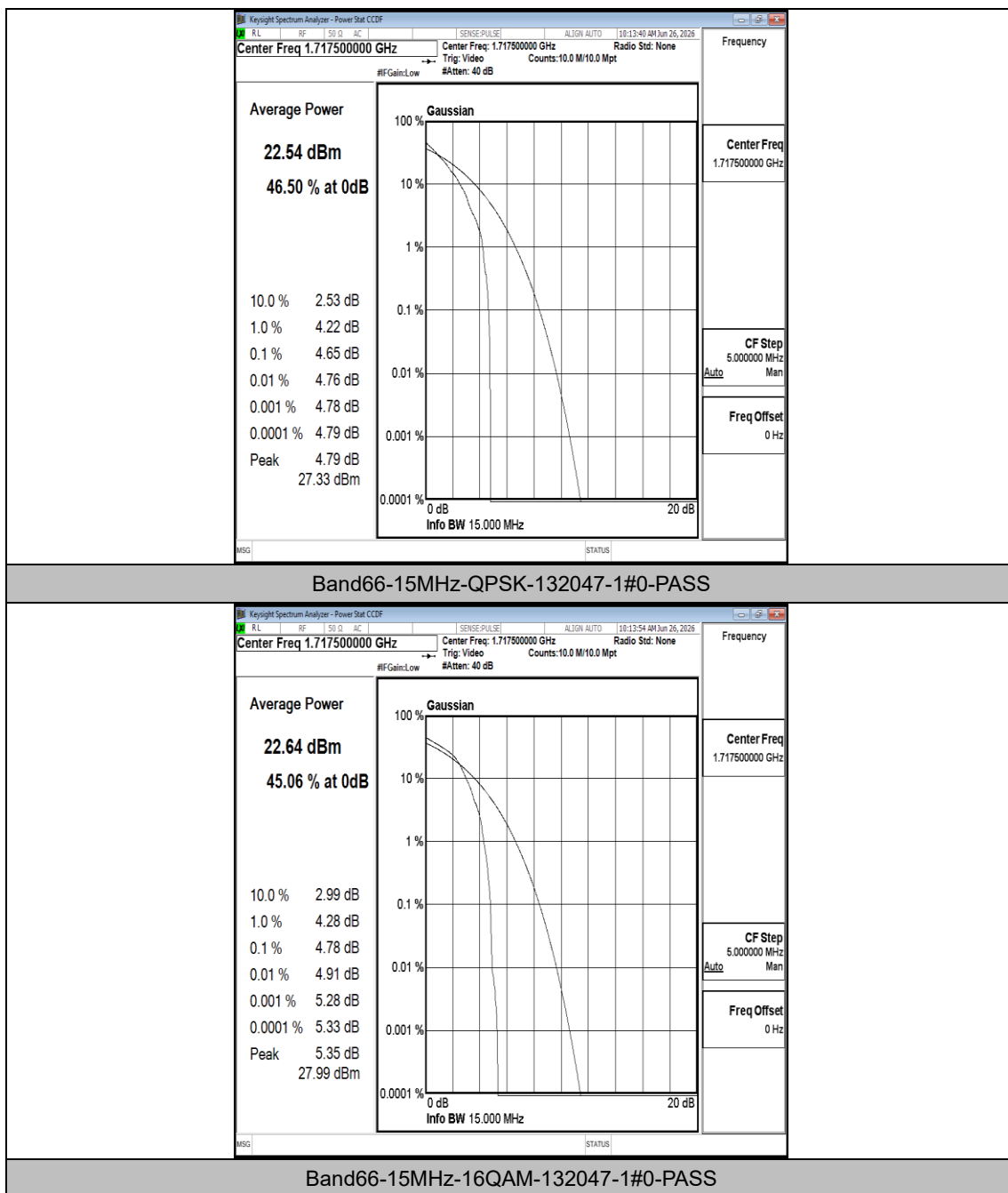


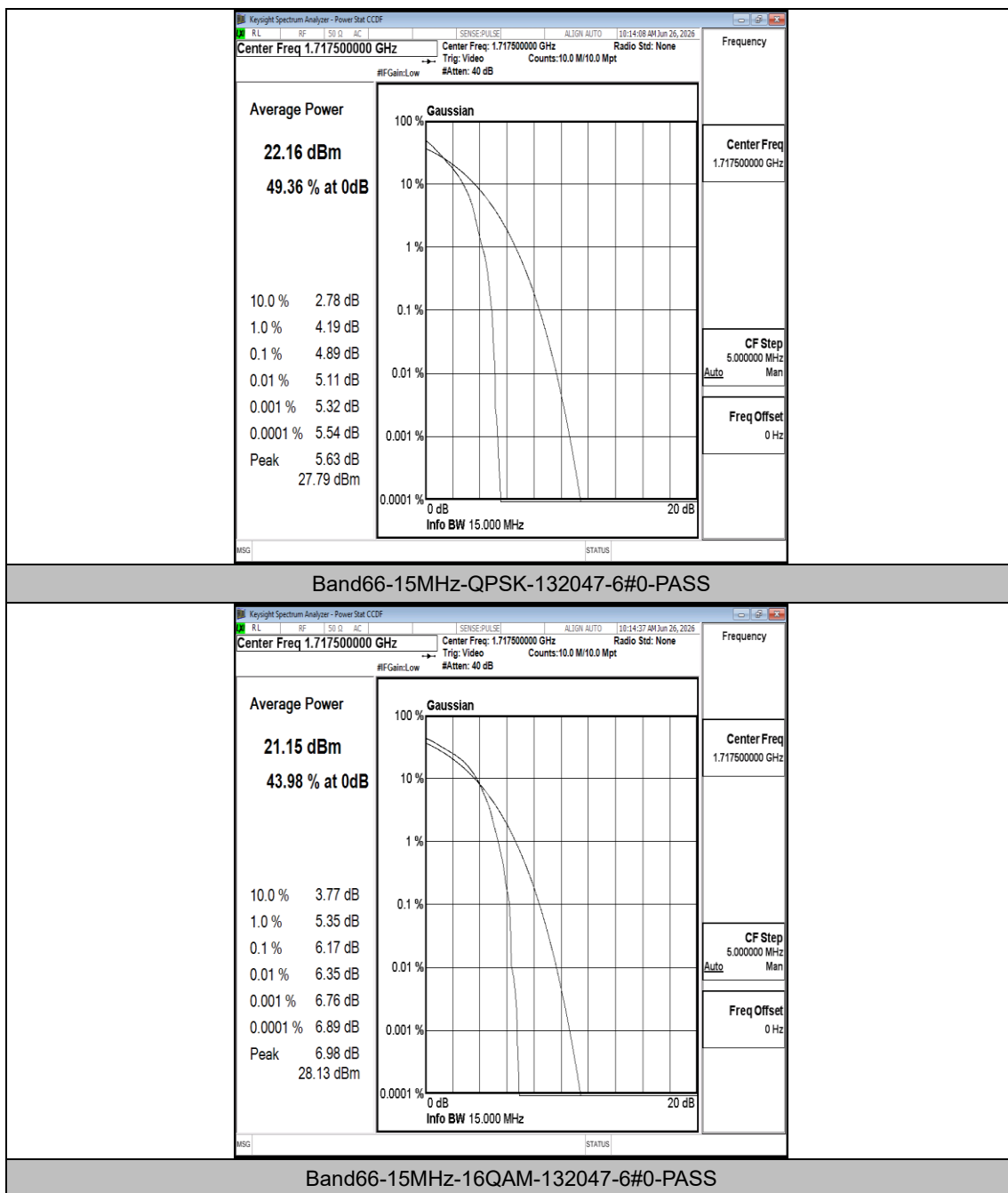


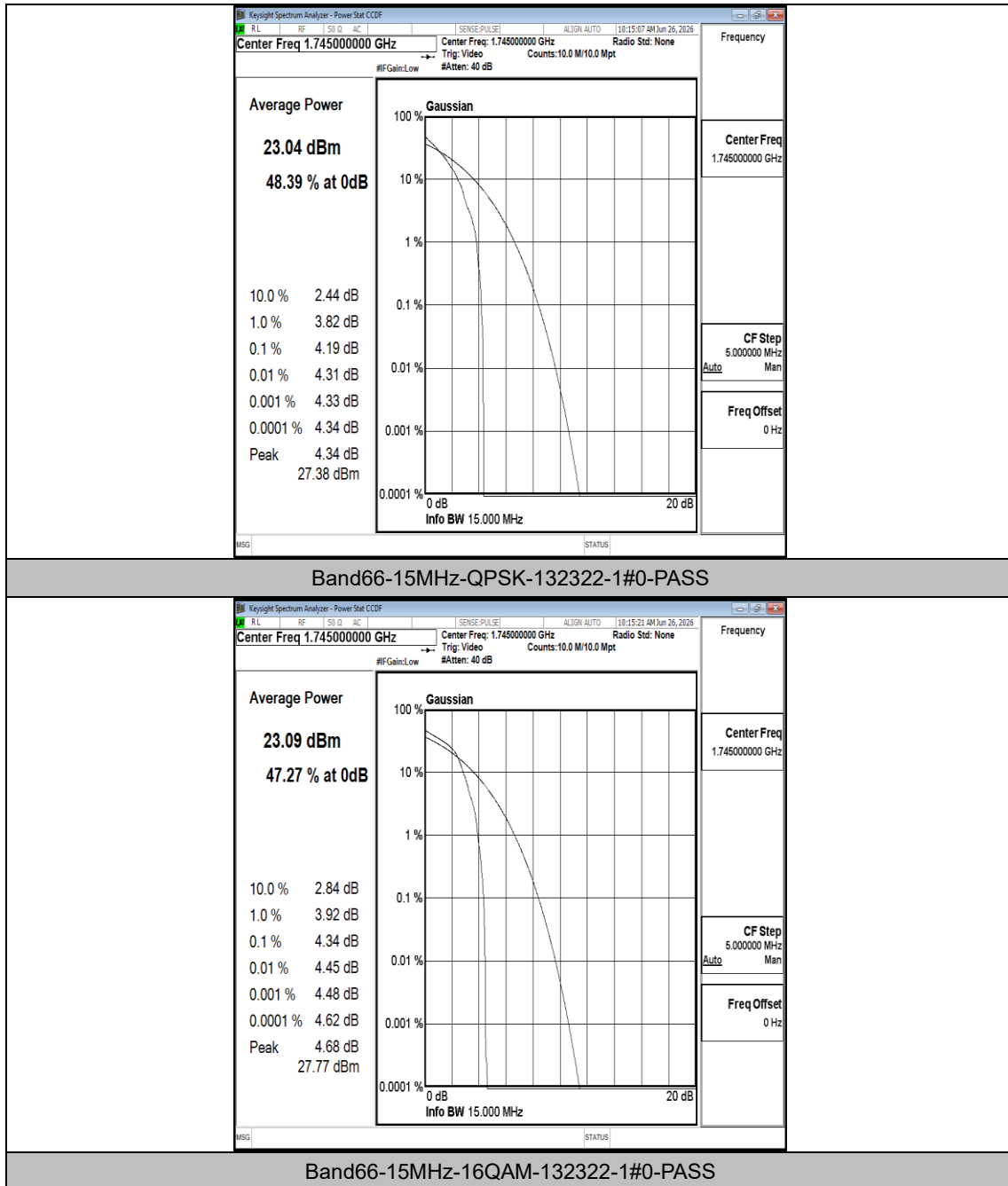


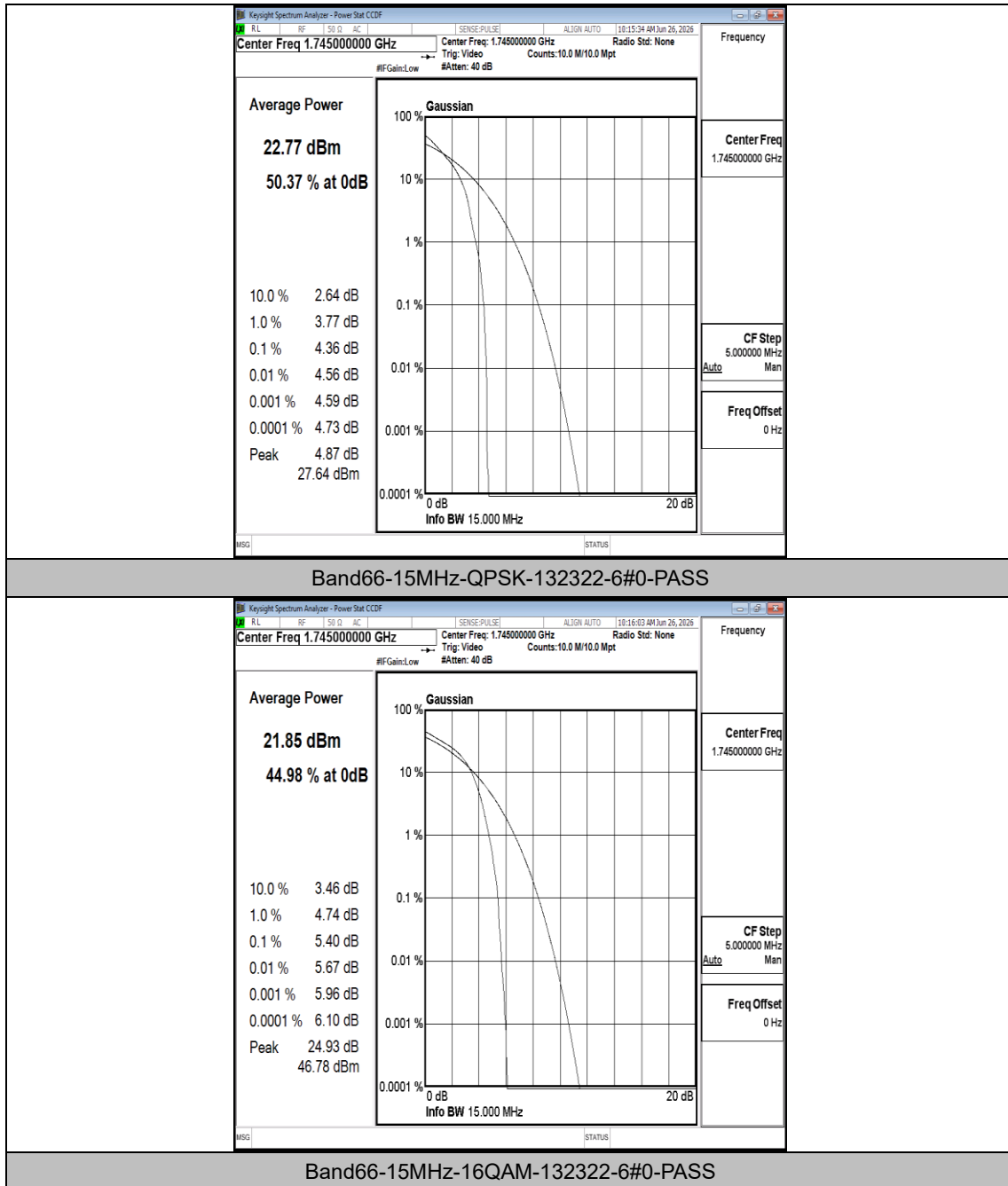


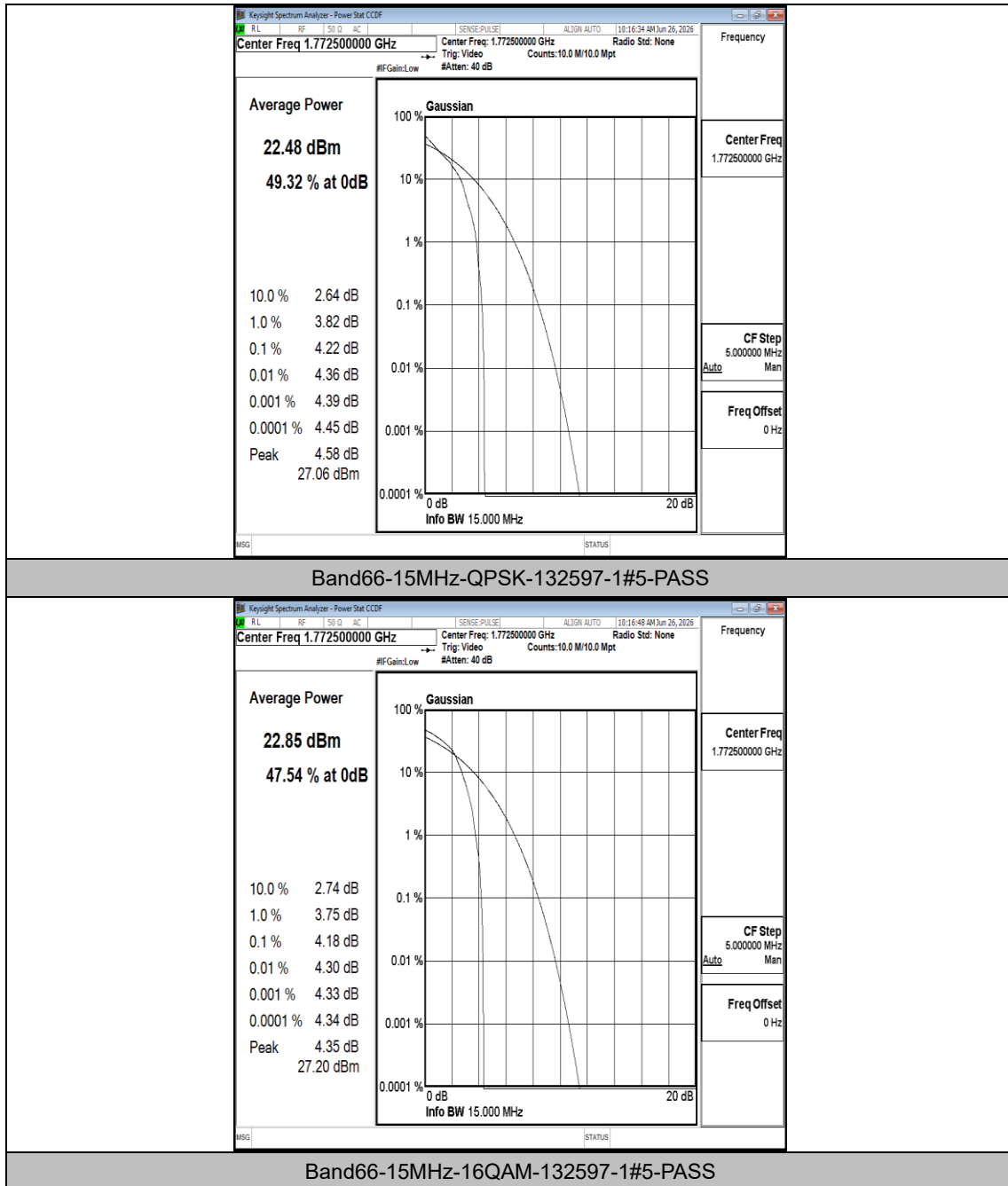


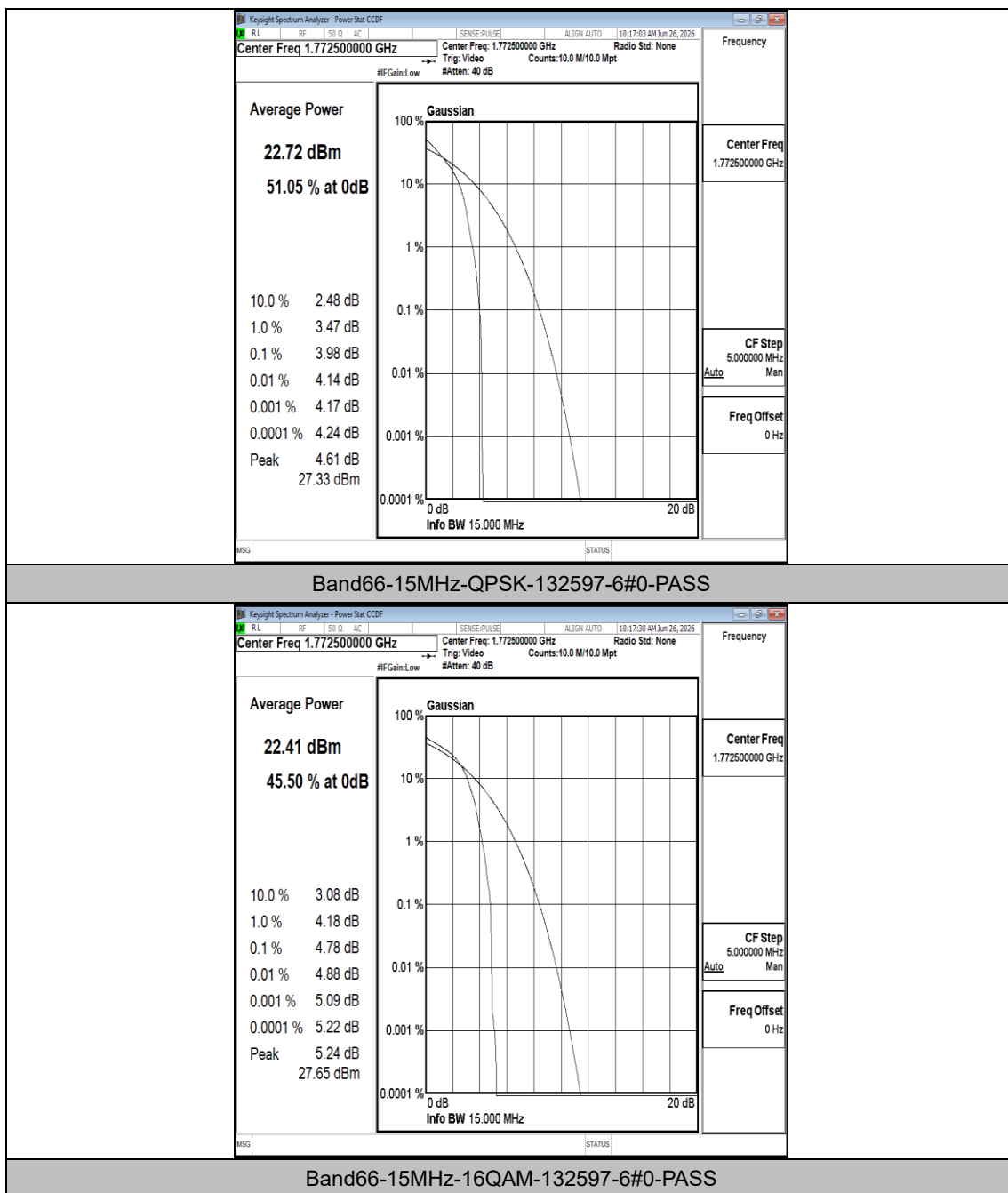


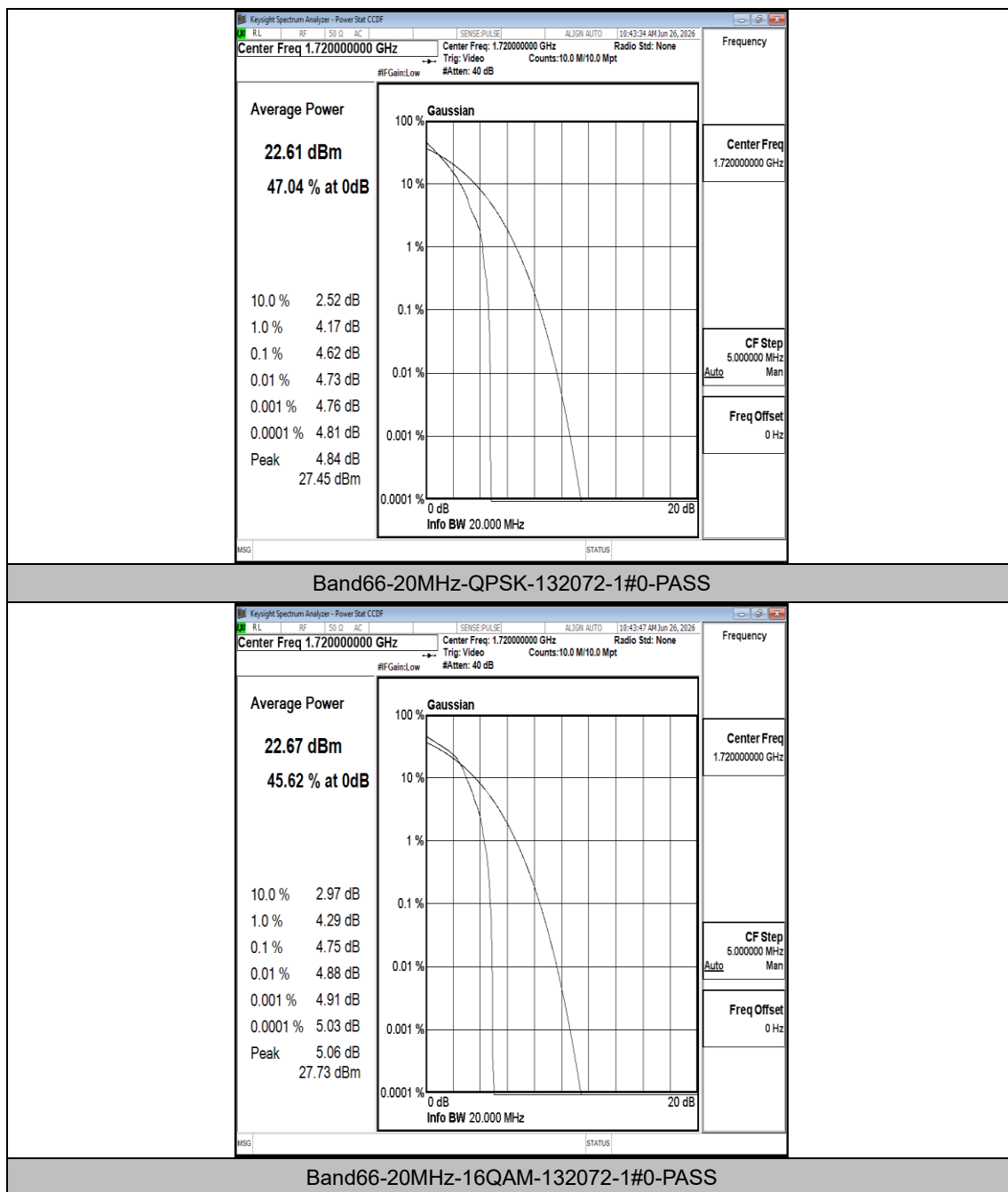


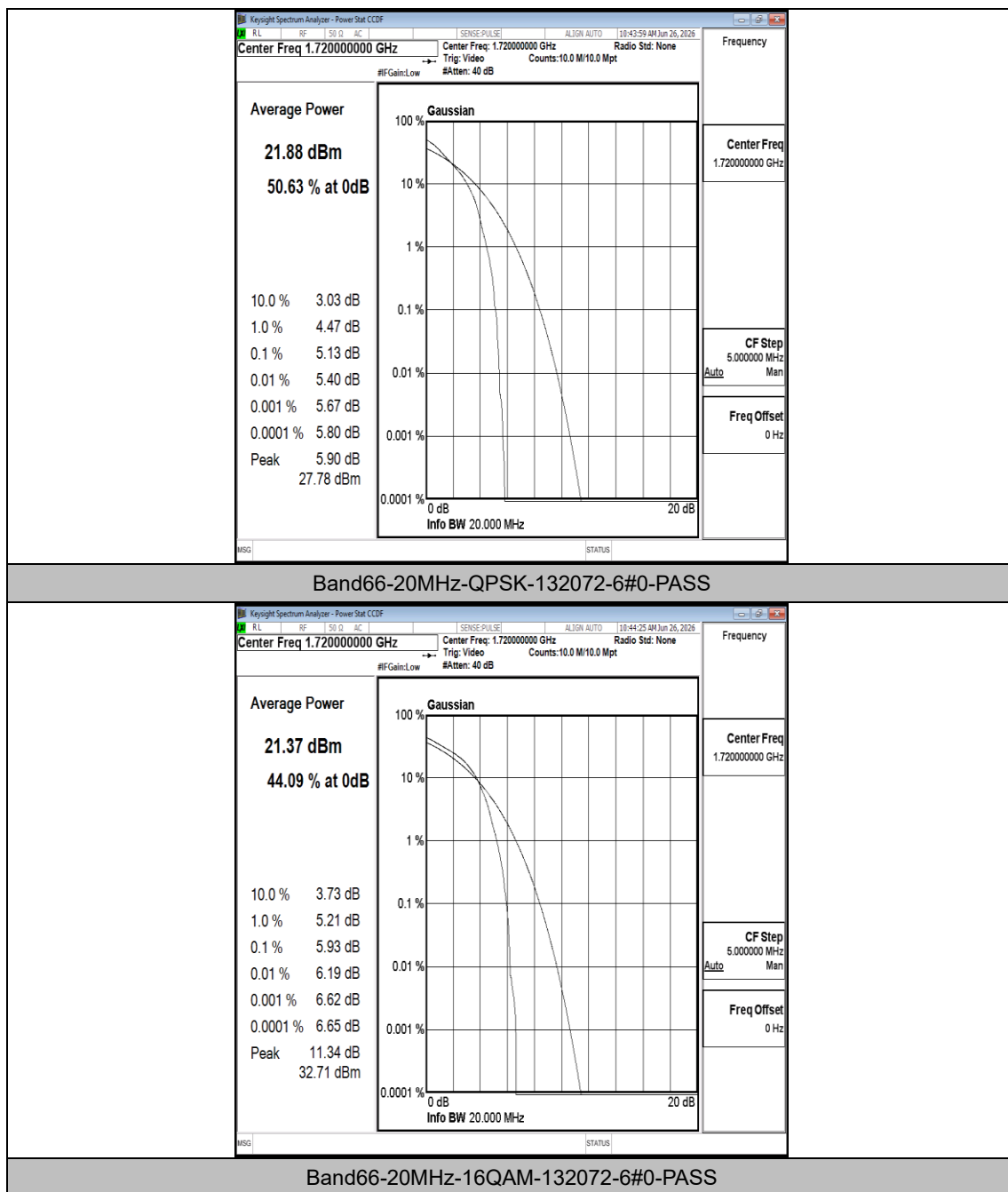


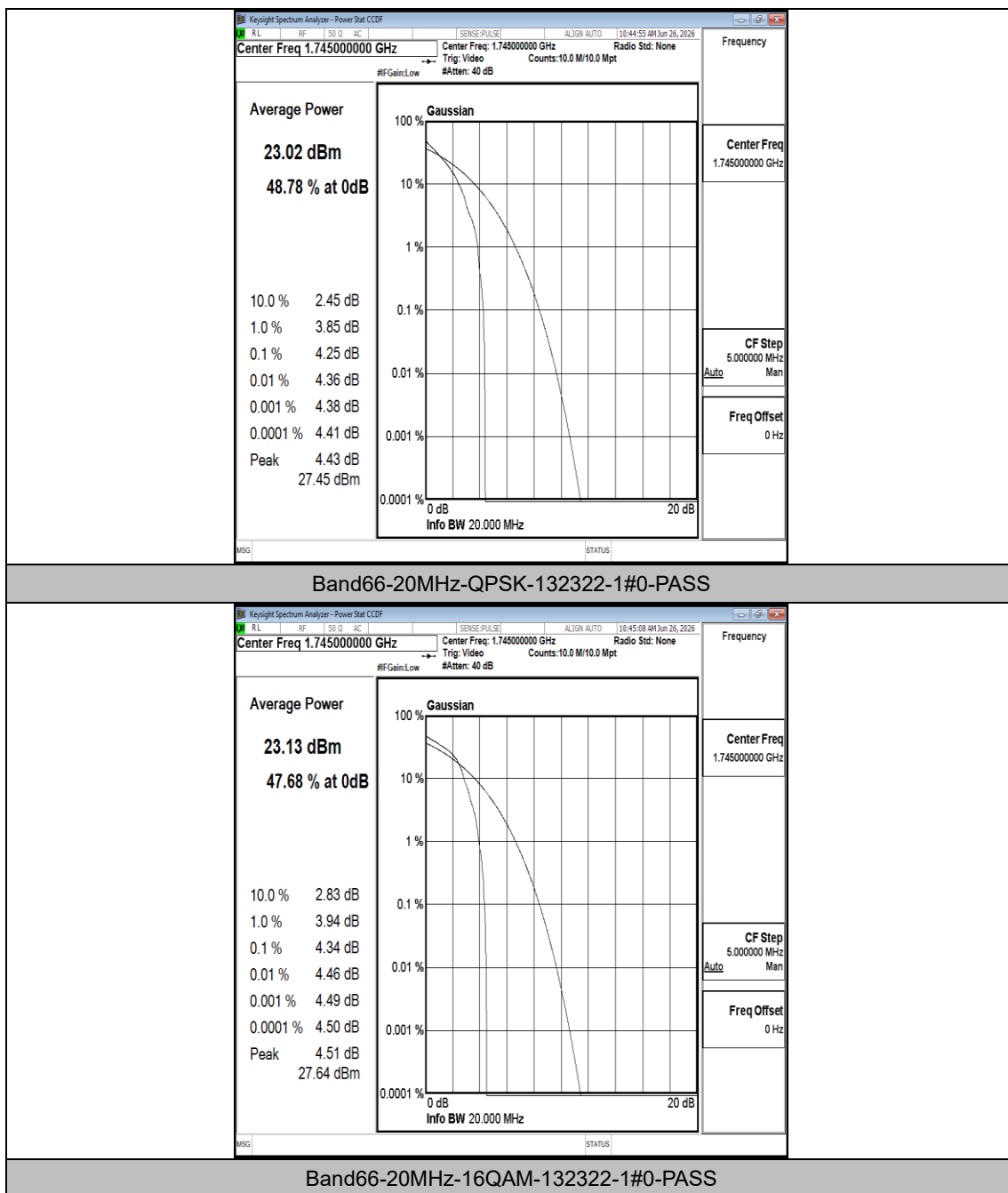


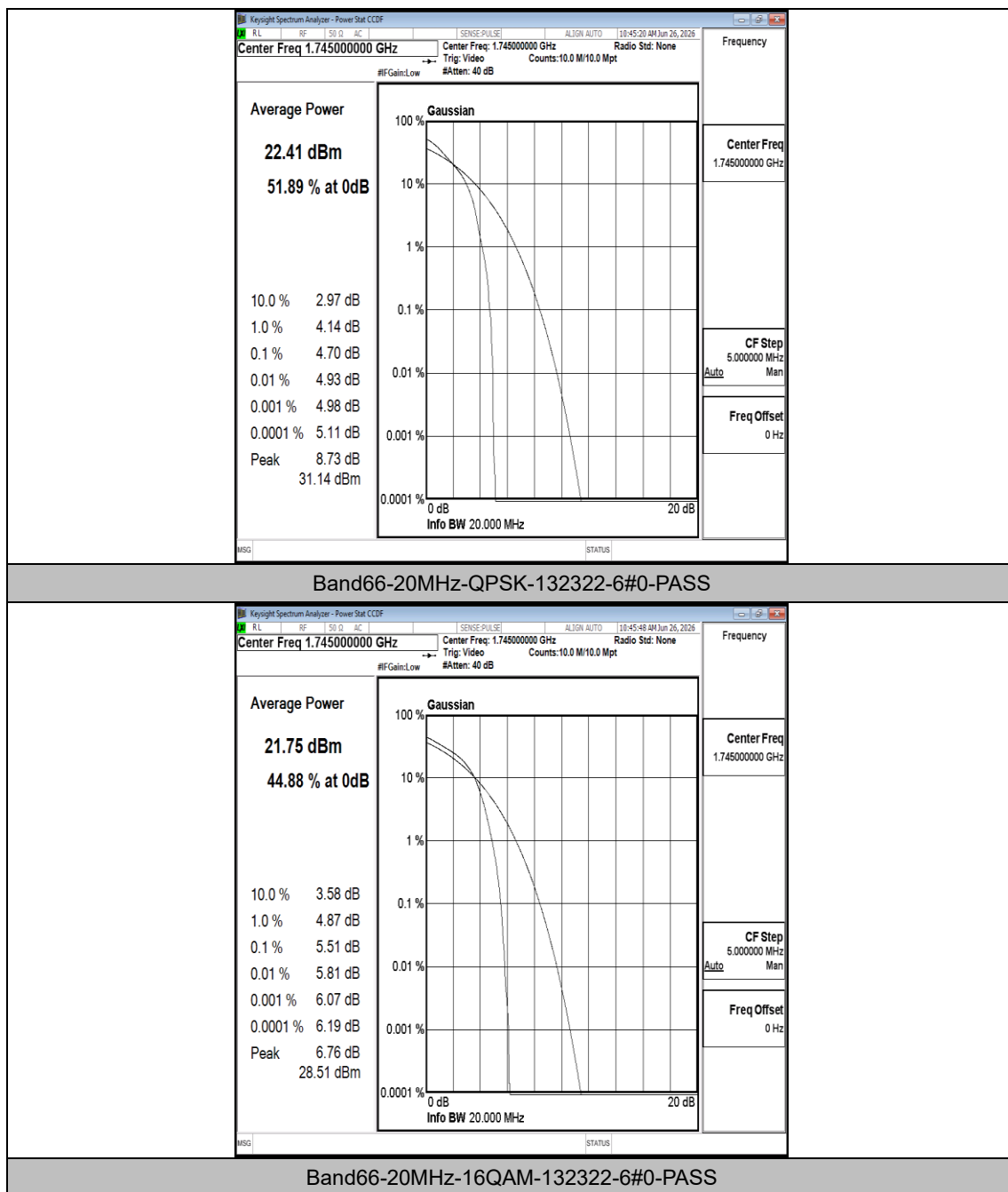


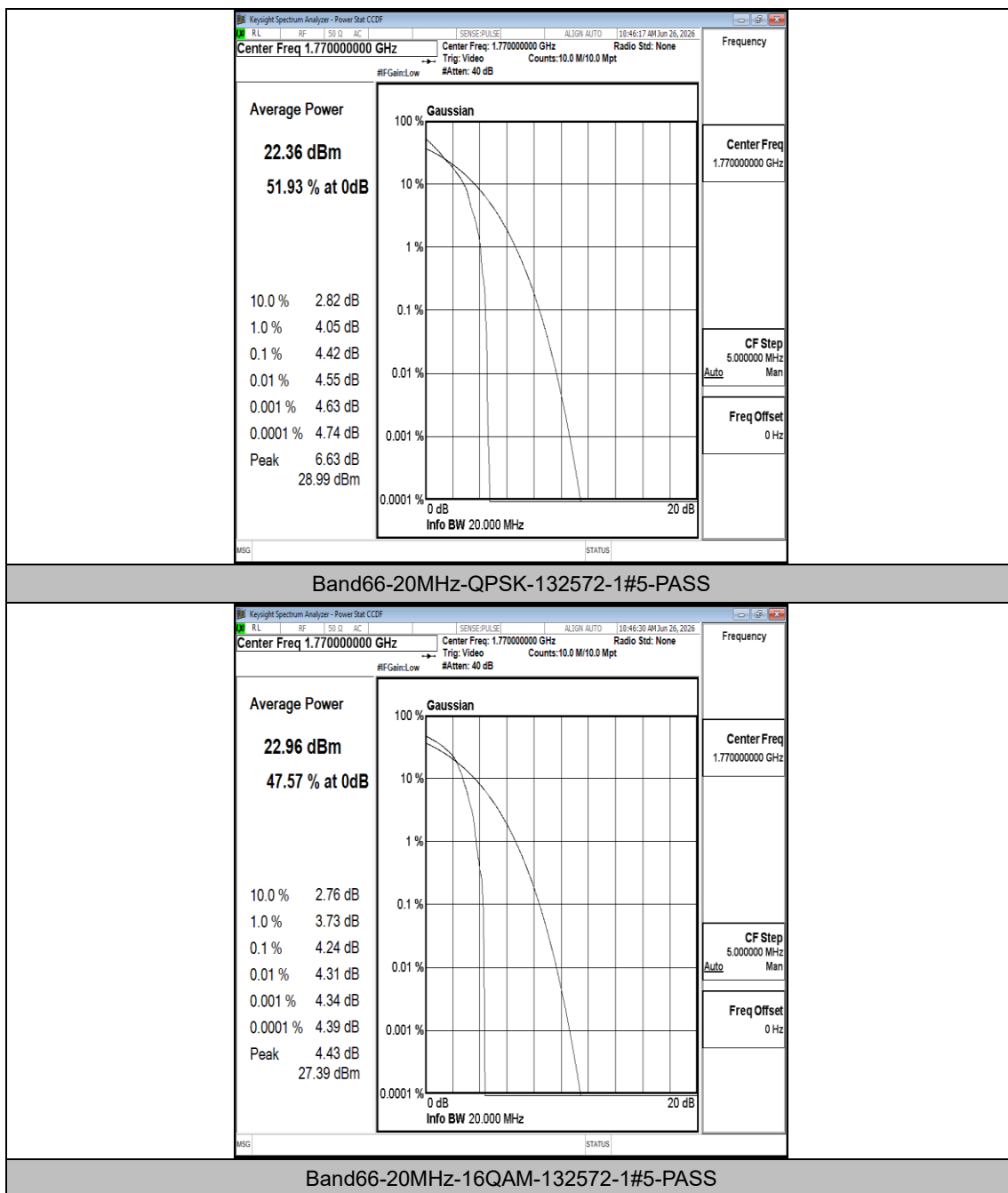


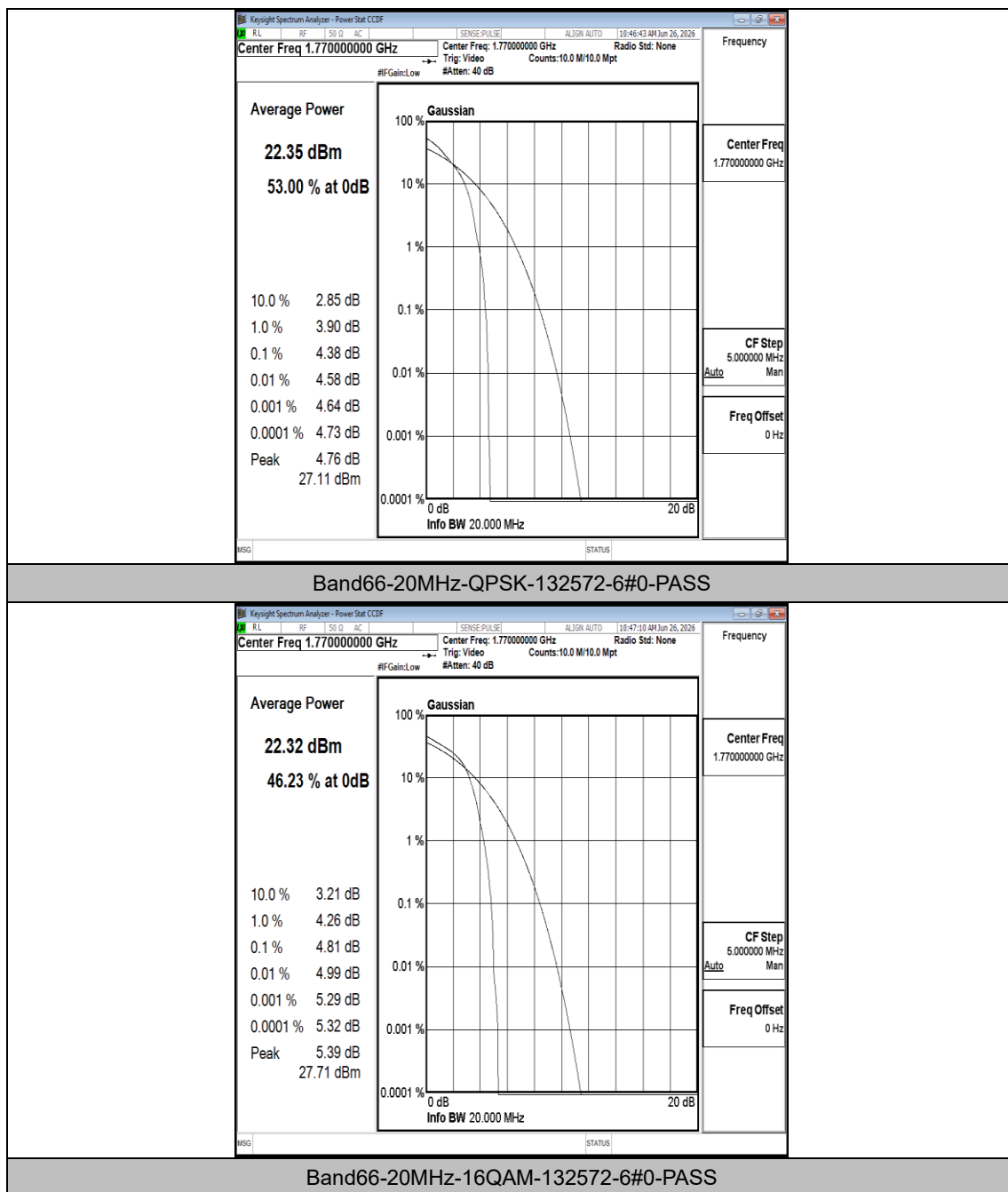












E.3 26dB Bandwidth and Occupied Bandwidth for M1

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	1.0900	1.304	PASS
Band66	1.4MHz	16QAM	131979	6	0	Low	1.0878	1.304	PASS
Band66	1.4MHz	QPSK	132322	6	0	Low	1.0939	1.304	PASS
Band66	1.4MHz	16QAM	132322	6	0	Low	1.0882	1.302	PASS
Band66	1.4MHz	QPSK	132665	6	0	High	1.0922	1.298	PASS
Band66	1.4MHz	16QAM	132665	6	0	High	1.0903	1.296	PASS
Band66	3MHz	QPSK	131987	6	0	Low	1.1107	1.333	PASS
Band66	3MHz	16QAM	131987	6	0	Low	1.1146	1.378	PASS
Band66	3MHz	QPSK	132322	6	0	Low	1.1133	1.337	PASS
Band66	3MHz	16QAM	132322	6	0	Low	1.1141	1.362	PASS
Band66	3MHz	QPSK	132657	6	0	High	1.1109	1.332	PASS
Band66	3MHz	16QAM	132657	6	0	High	1.1191	1.389	PASS
Band66	5MHz	QPSK	131997	6	0	Low	1.1877	1.452	PASS
Band66	5MHz	16QAM	131997	6	0	Low	1.1751	1.458	PASS
Band66	5MHz	QPSK	132322	6	0	Low	1.1932	1.429	PASS
Band66	5MHz	16QAM	132322	6	0	Low	1.1741	1.517	PASS
Band66	5MHz	QPSK	132647	6	0	High	1.1934	1.440	PASS
Band66	5MHz	16QAM	132647	6	0	High	1.1807	1.497	PASS
Band66	10MHz	QPSK	132022	6	0	Low	1.3379	1.731	PASS
Band66	10MHz	16QAM	132022	6	0	Low	1.3332	1.967	PASS
Band66	10MHz	QPSK	132322	6	0	Low	1.3364	1.770	PASS
Band66	10MHz	16QAM	132322	6	0	Low	1.3306	2.019	PASS
Band66	10MHz	QPSK	132622	6	0	High	1.3403	1.795	PASS
Band66	10MHz	16QAM	132622	6	0	High	1.3353	2.014	PASS
Band66	15MHz	QPSK	132047	6	0	Low	1.9889	3.902	PASS
Band66	15MHz	16QAM	132047	6	0	Low	1.5363	2.433	PASS
Band66	15MHz	QPSK	132322	6	0	Low	1.5270	2.360	PASS
Band66	15MHz	16QAM	132322	6	0	Low	1.5372	2.512	PASS
Band66	15MHz	QPSK	132597	6	0	High	1.5233	2.386	PASS
Band66	15MHz	16QAM	132597	6	0	High	1.5432	2.537	PASS
Band66	20MHz	QPSK	132072	6	0	Low	2.2589	3.922	PASS
Band66	20MHz	16QAM	132072	6	0	Low	1.9735	2.880	PASS
Band66	20MHz	QPSK	132322	6	0	Low	1.9134	2.816	PASS
Band66	20MHz	16QAM	132322	6	0	Low	1.9979	2.922	PASS

Band66	20MHz	QPSK	132572	6	0	High	1.9222	2.788	PASS
Band66	20MHz	16QAM	132572	6	0	High	1.9806	2.994	PASS

Test Graphs

