



FCC Appendix RF Test Data for Band 66

Product Name: Smart Phone

Test Model: Philips S8310

Environmental Conditions

Temperature:	23.6° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

1 Peak-to-Average Ratio(CCDF)

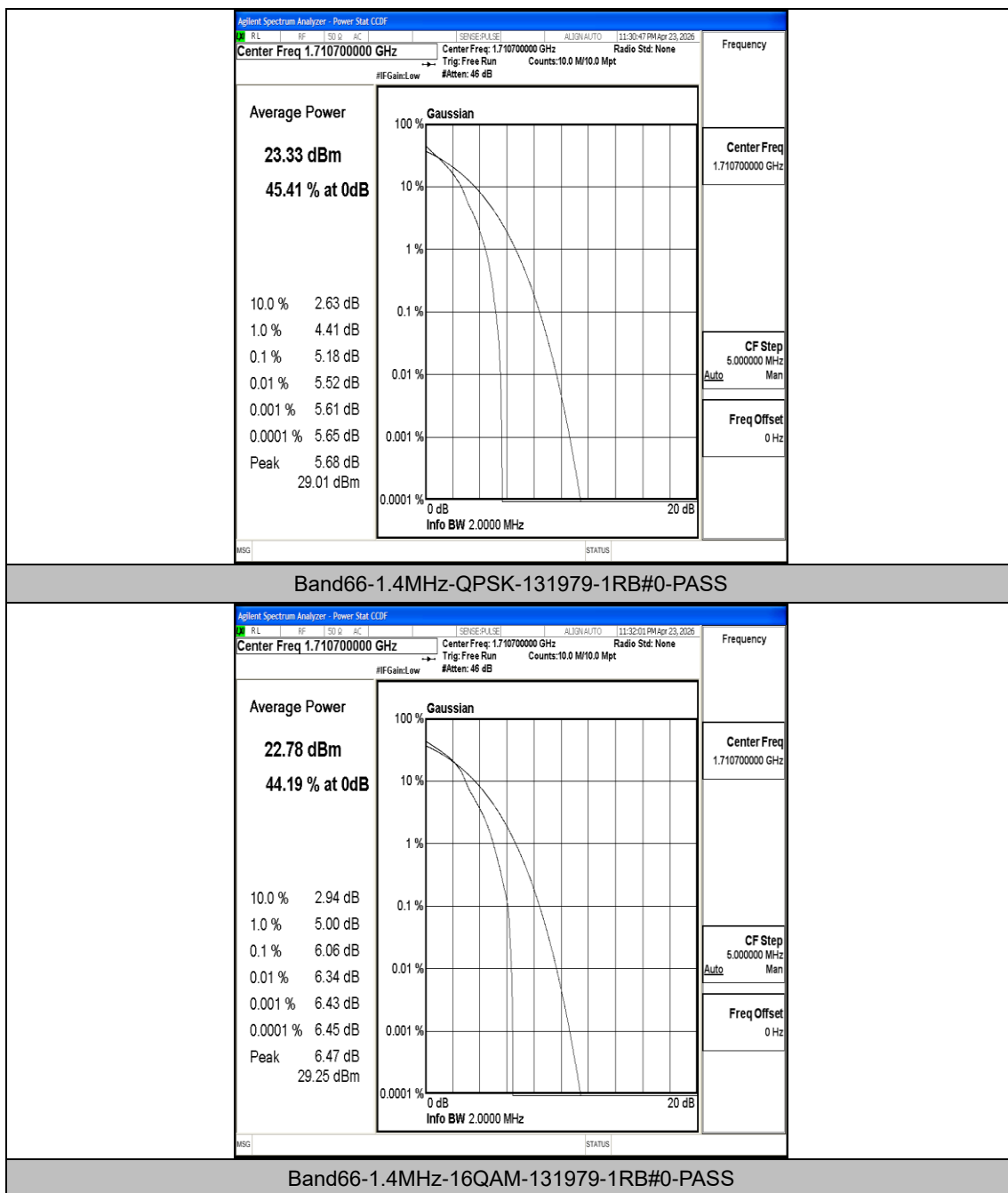
Test Result

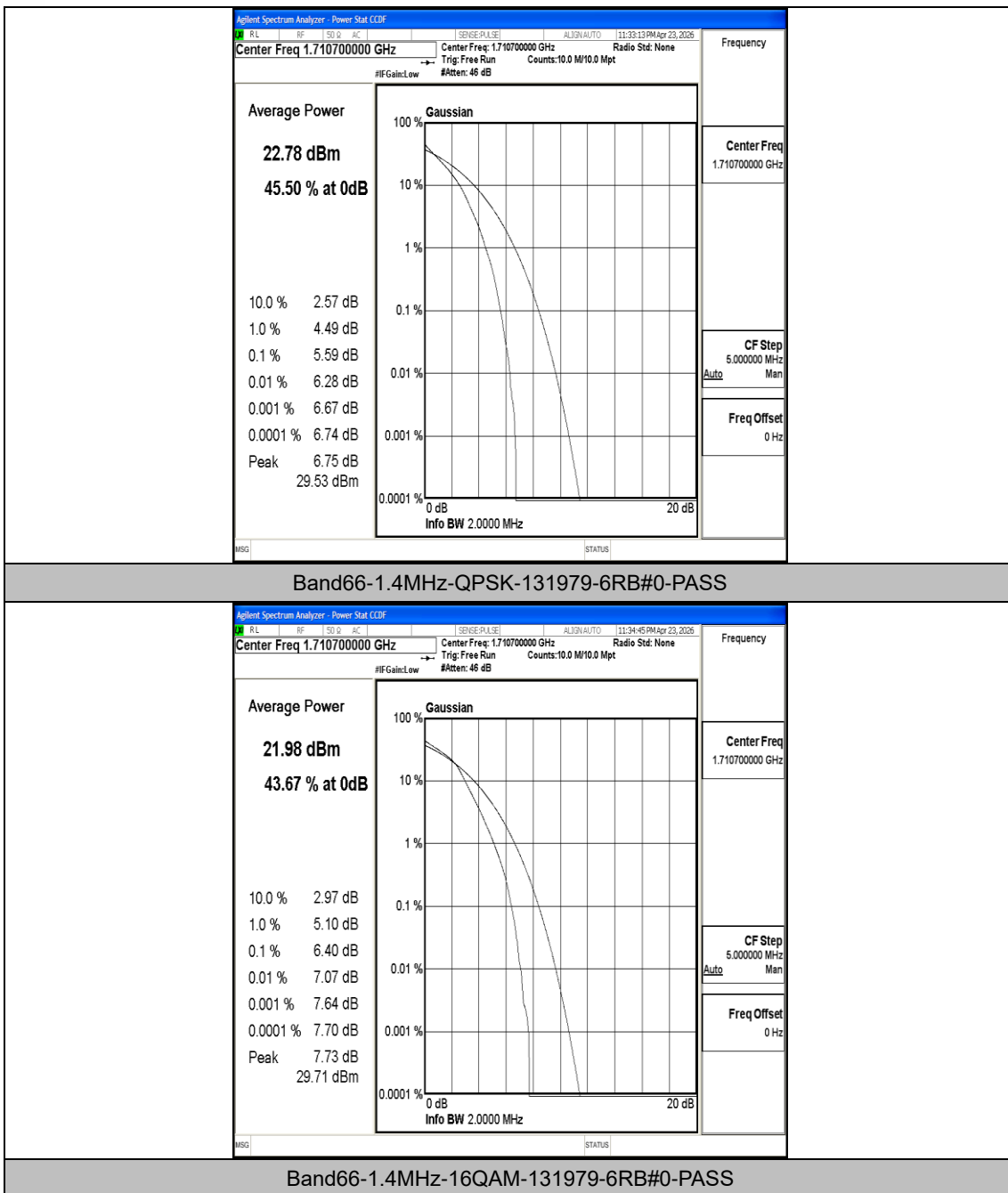
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	5.18	13	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	6.06	13	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	5.59	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	6.40	13	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	4.58	13	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	5.01	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	5.10	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	5.87	13	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	4.87	13	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	5.58	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	5.36	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	6.14	13	PASS
Band66	3MHz	QPSK	131987	1RB#0	5.29	13	PASS
Band66	3MHz	16QAM	131987	1RB#0	6.06	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.61	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.42	13	PASS
Band66	3MHz	QPSK	132322	1RB#0	4.45	13	PASS
Band66	3MHz	16QAM	132322	1RB#0	5.26	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.11	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	5.92	13	PASS
Band66	3MHz	QPSK	132657	1RB#0	5.07	13	PASS
Band66	3MHz	16QAM	132657	1RB#0	5.84	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	5.40	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	6.20	13	PASS
Band66	5MHz	QPSK	131997	1RB#0	5.35	13	PASS
Band66	5MHz	16QAM	131997	1RB#0	5.91	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.66	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.35	13	PASS
Band66	5MHz	QPSK	132322	1RB#0	4.60	13	PASS
Band66	5MHz	16QAM	132322	1RB#0	5.31	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.35	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	6.02	13	PASS
Band66	5MHz	QPSK	132647	1RB#0	5.19	13	PASS
Band66	5MHz	16QAM	132647	1RB#0	5.80	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	5.55	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	6.13	13	PASS
Band66	10MHz	QPSK	132022	1RB#0	5.29	13	PASS

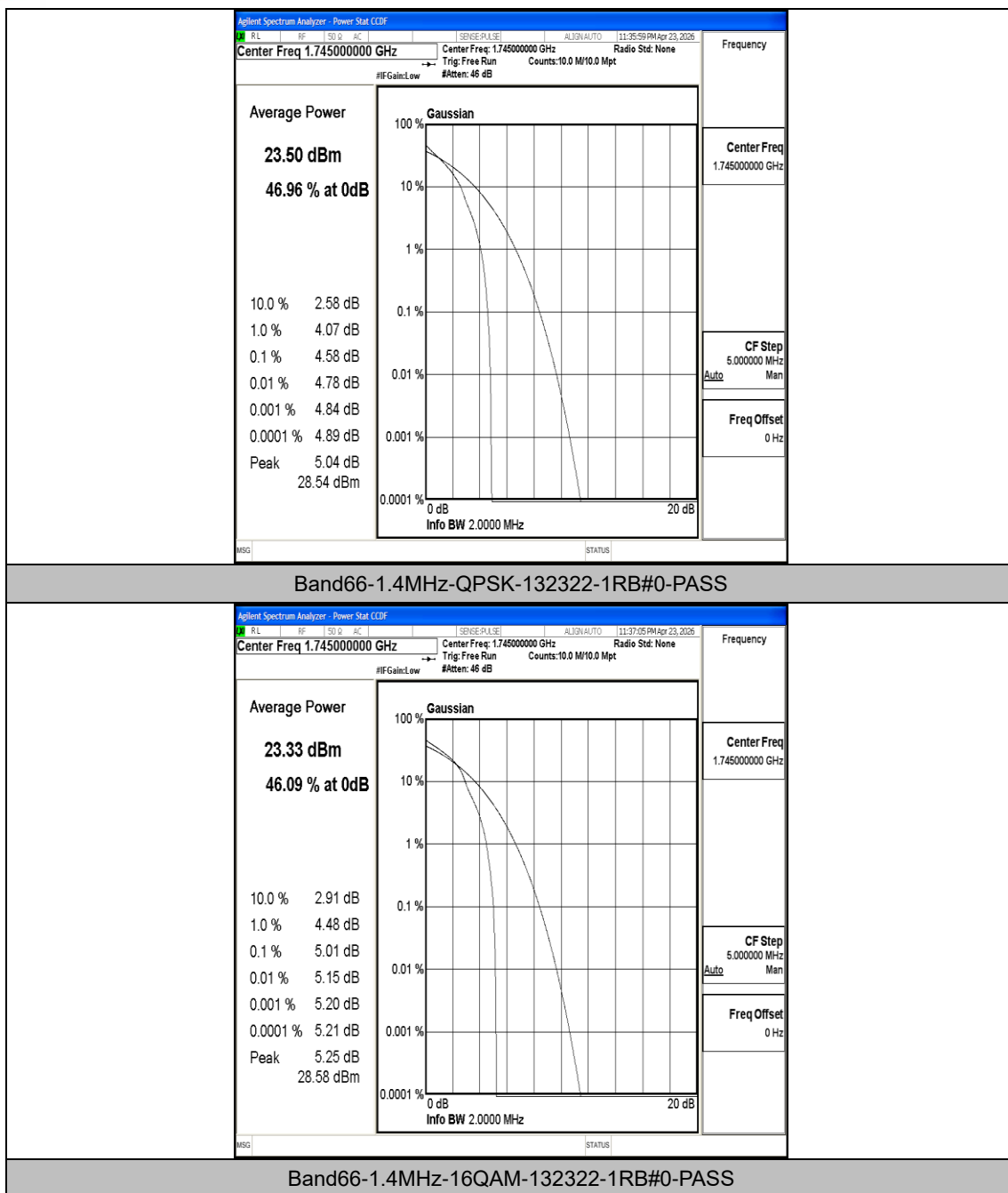


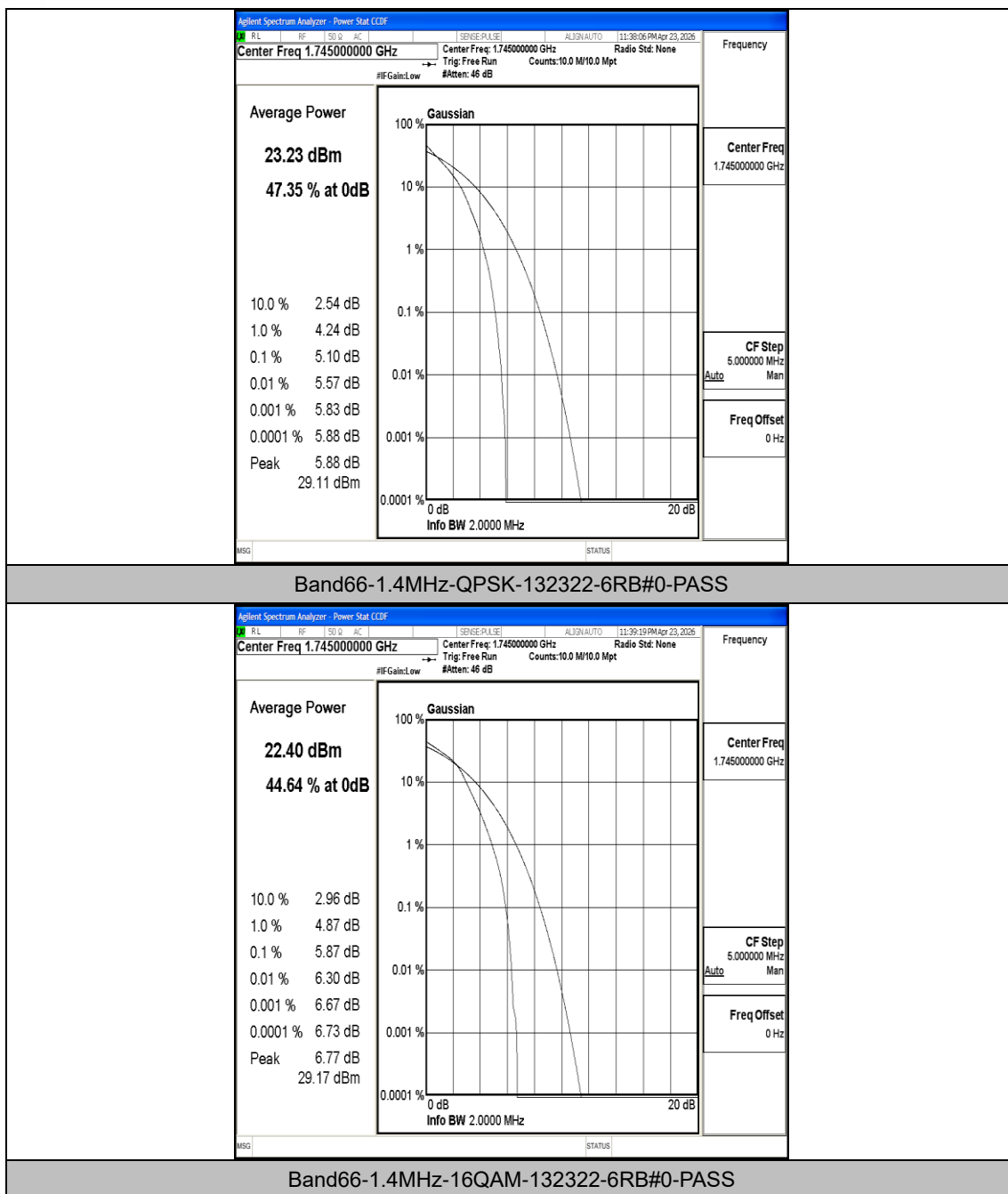
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Band66	10MHz	16QAM	132022	50RB#0	6.42	13	PASS
Band66	10MHz	QPSK	132322	1RB#0	4.55	13	PASS
Band66	10MHz	16QAM	132322	1RB#0	5.04	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	5.39	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	6.11	13	PASS
Band66	10MHz	QPSK	132622	1RB#0	5.19	13	PASS
Band66	10MHz	16QAM	132622	1RB#0	5.82	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	5.55	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	6.22	13	PASS
Band66	15MHz	QPSK	132047	1RB#0	5.28	13	PASS
Band66	15MHz	16QAM	132047	1RB#0	5.92	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	5.96	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	6.47	13	PASS
Band66	15MHz	QPSK	132322	1RB#0	4.58	13	PASS
Band66	15MHz	16QAM	132322	1RB#0	5.13	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	5.66	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	6.19	13	PASS
Band66	15MHz	QPSK	132597	1RB#0	5.04	13	PASS
Band66	15MHz	16QAM	132597	1RB#0	5.57	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	5.79	13	PASS
Band66	15MHz	16QAM	132597	75RB#0	6.36	13	PASS
Band66	20MHz	QPSK	132072	1RB#0	5.10	13	PASS
Band66	20MHz	16QAM	132072	1RB#0	5.74	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.69	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.44	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	4.29	13	PASS
Band66	20MHz	16QAM	132322	1RB#0	5.31	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.44	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.21	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	4.90	13	PASS
Band66	20MHz	16QAM	132572	1RB#0	5.57	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.55	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.33	13	PASS

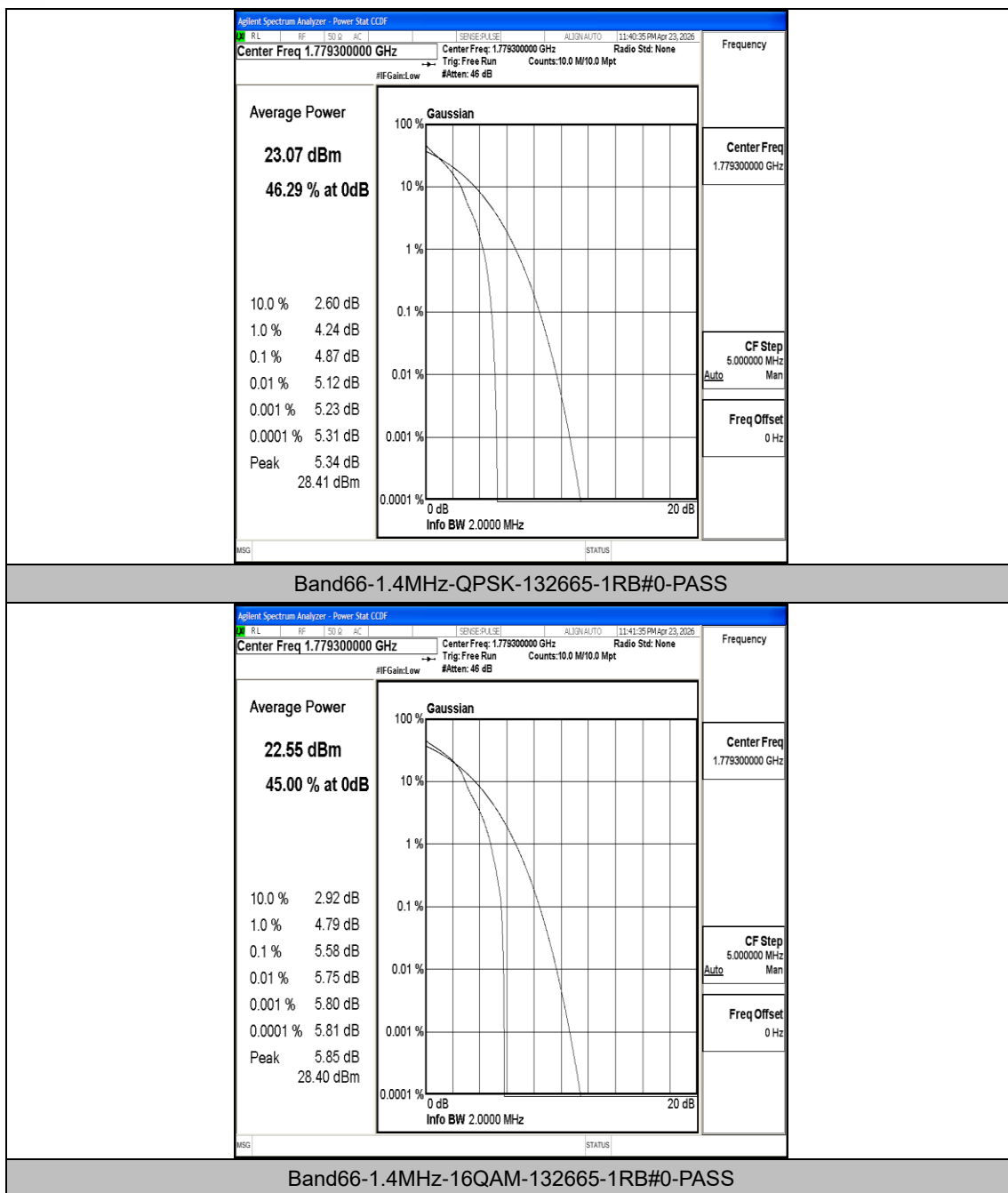
Test Graphs

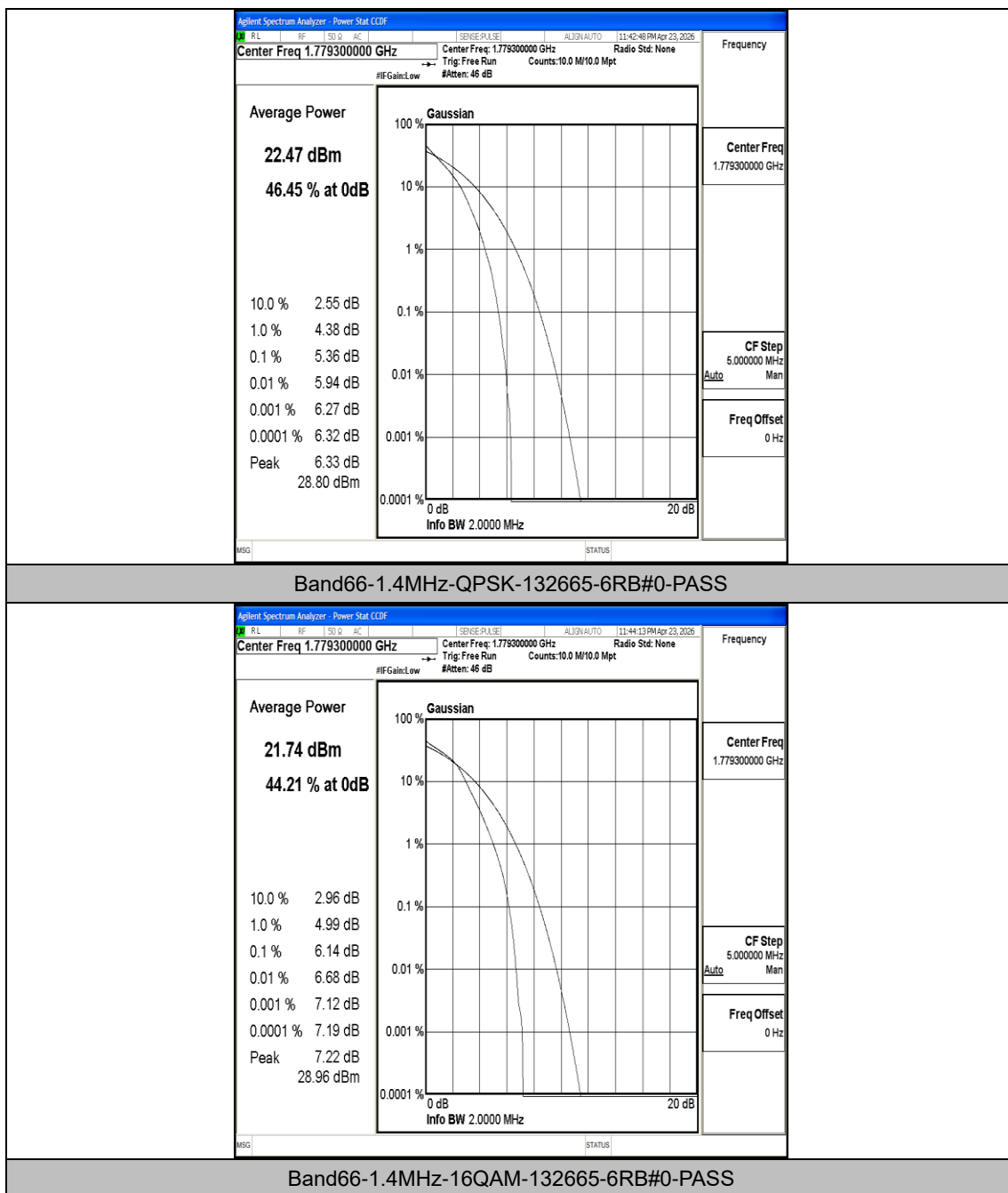


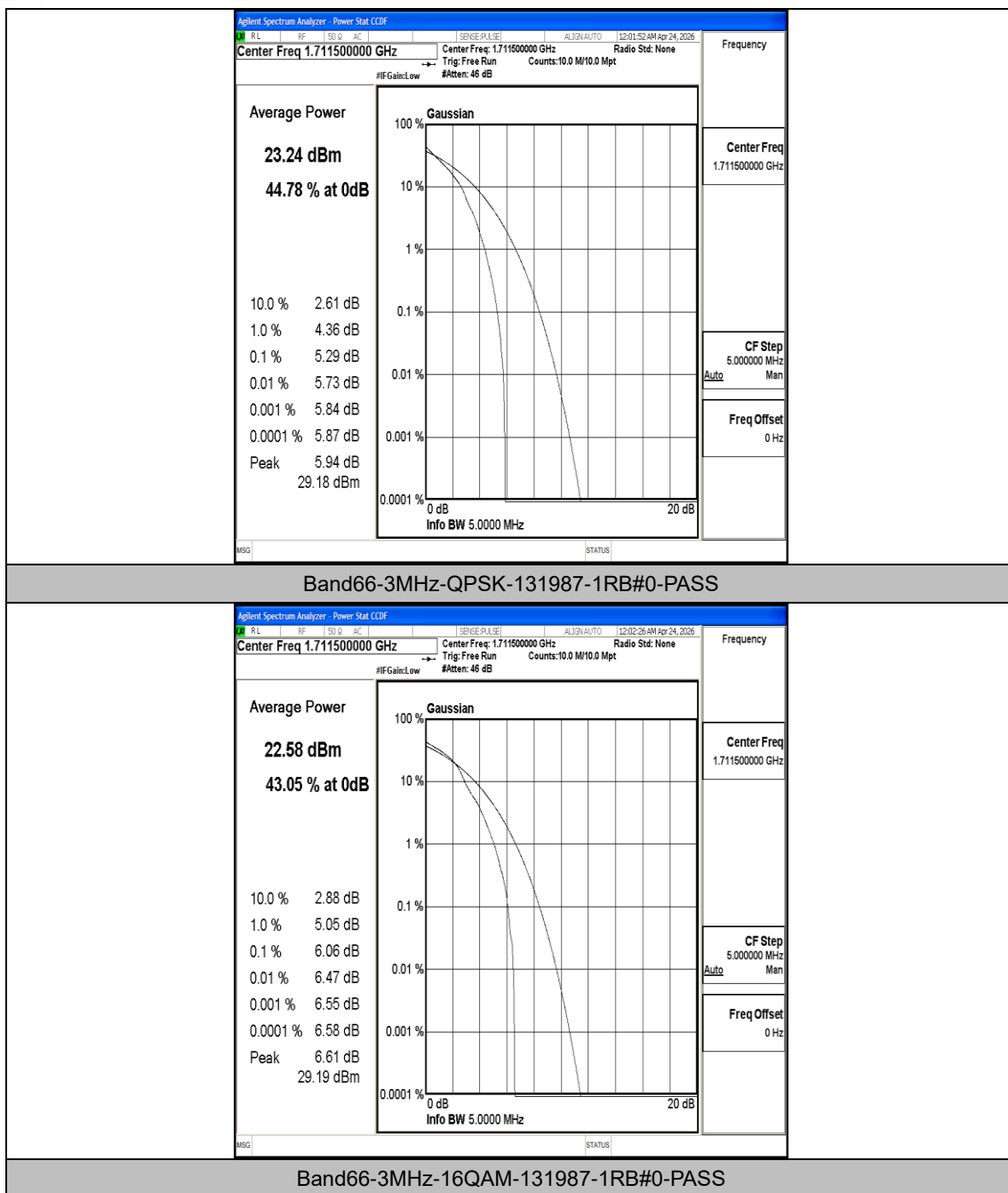


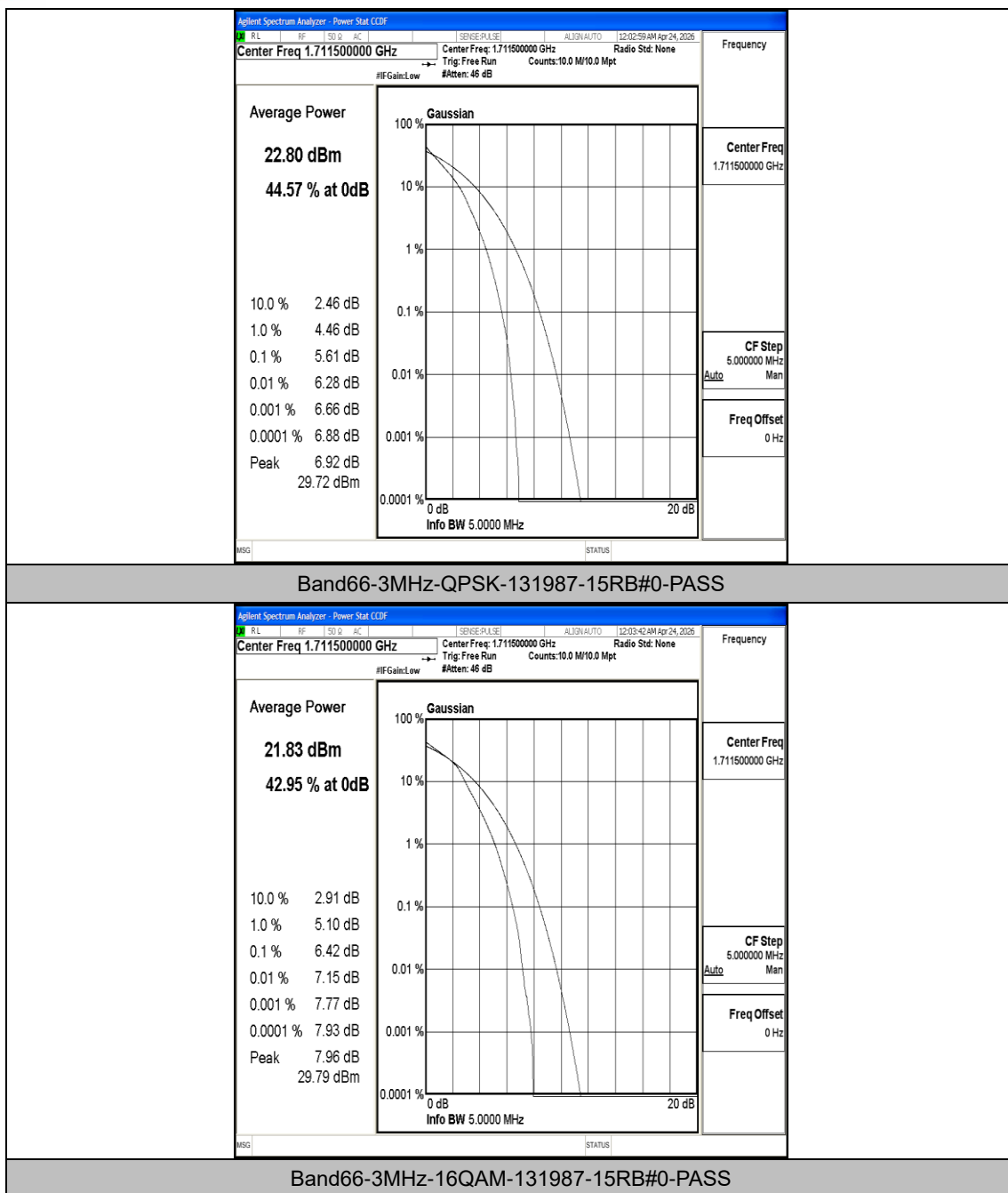


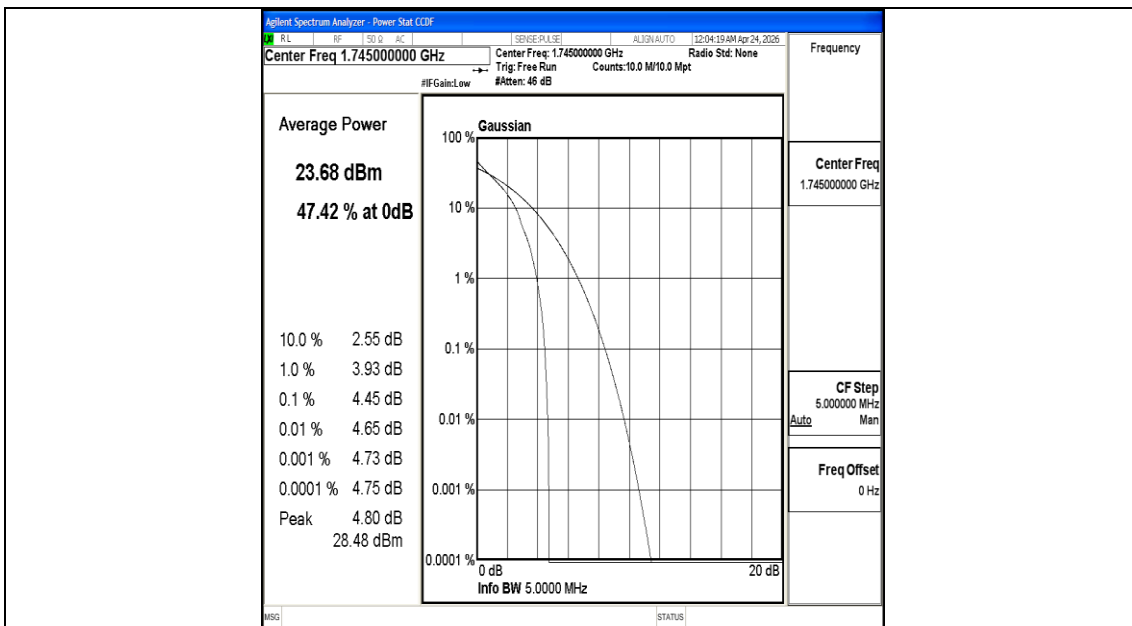




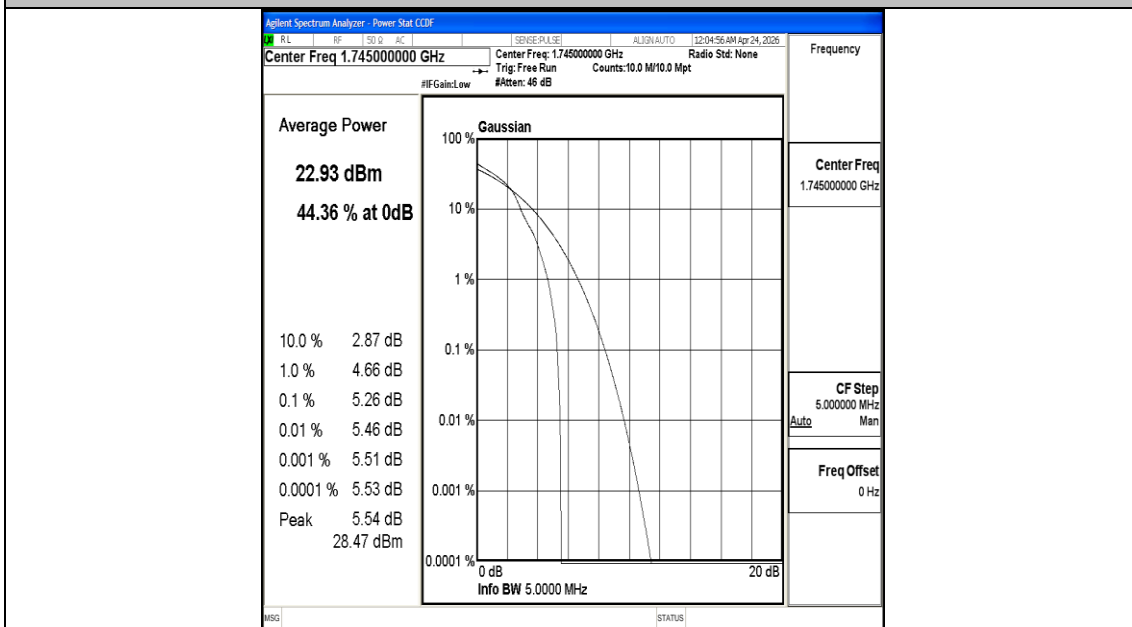




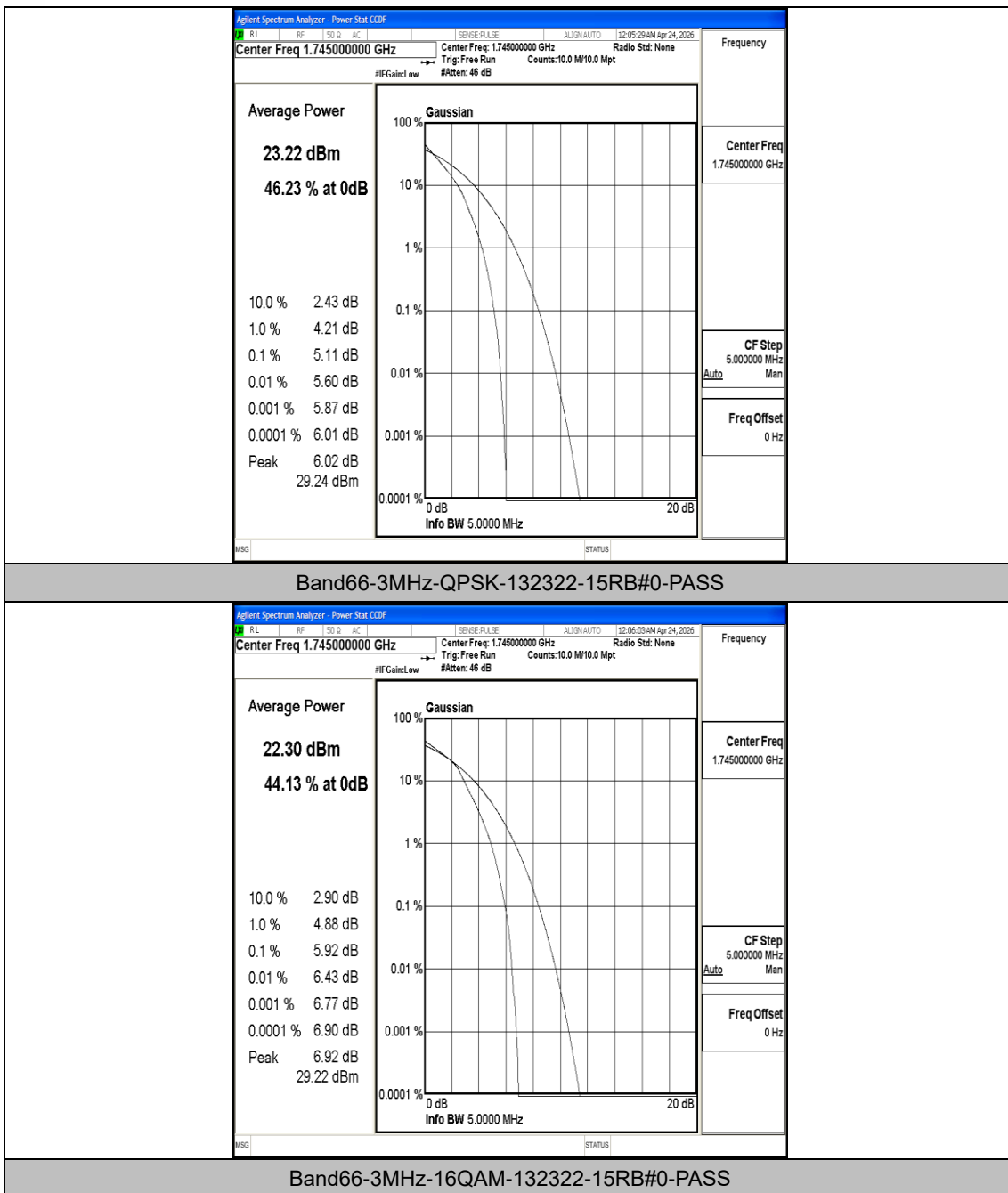


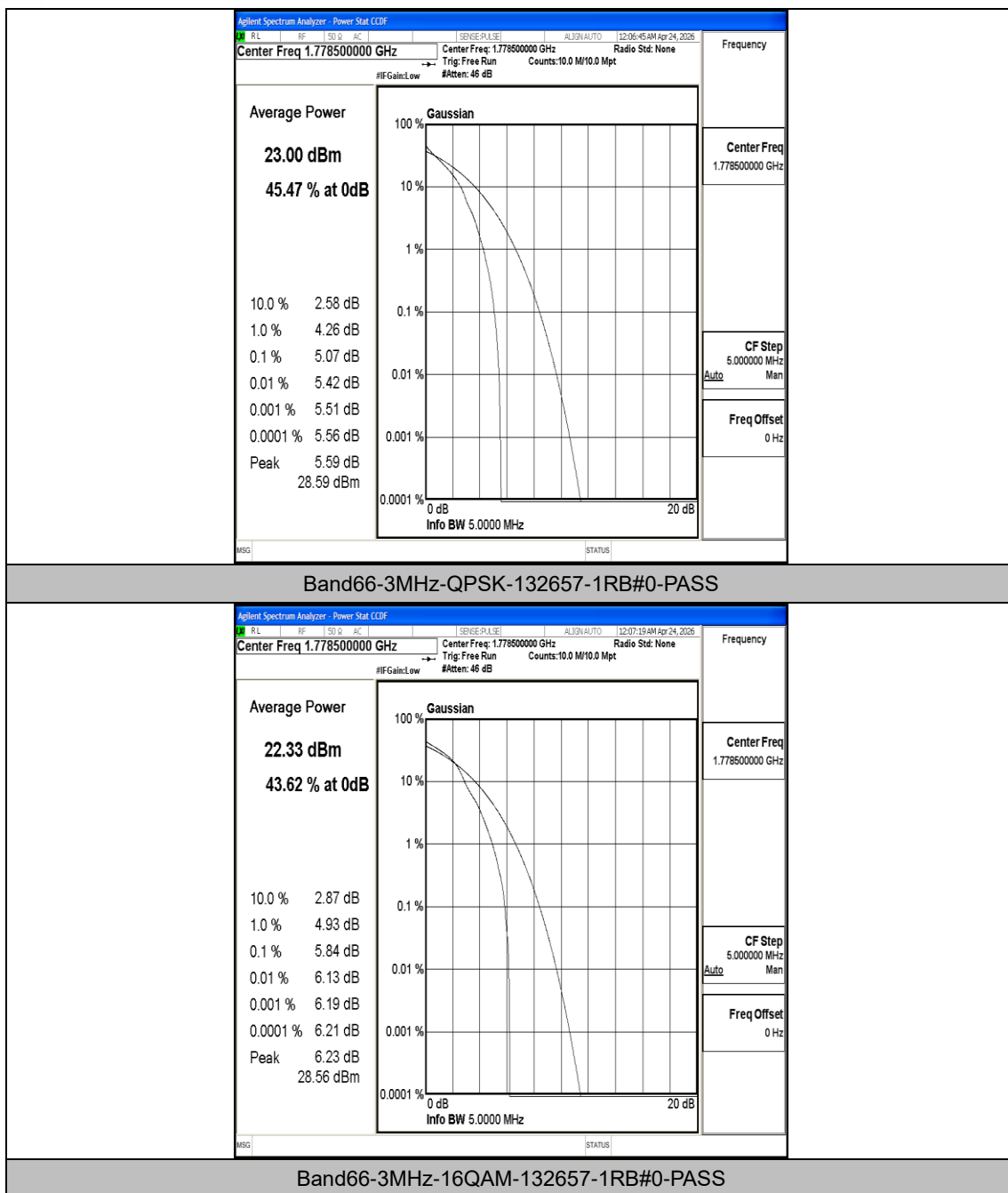


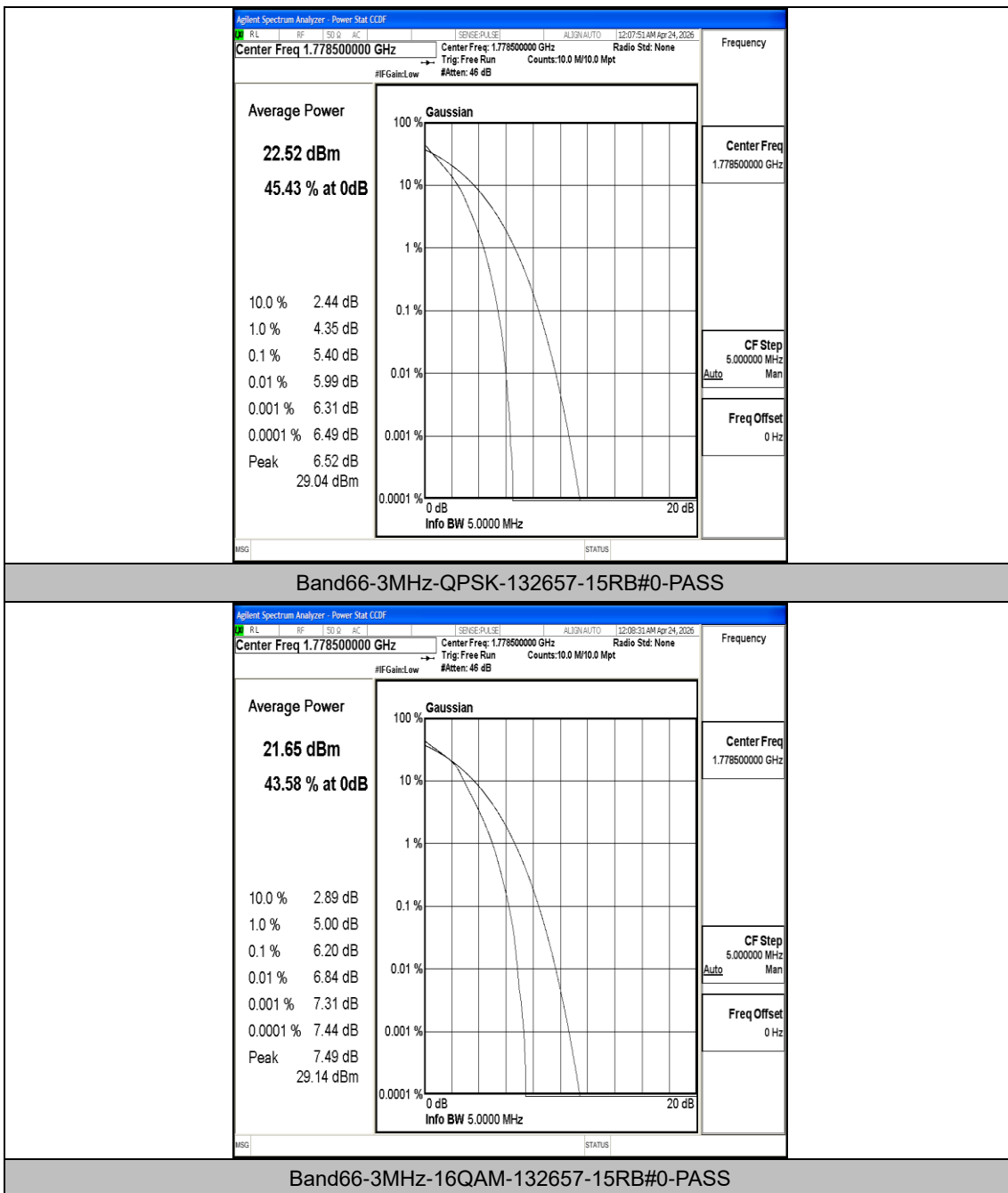
Band66-3MHz-QPSK-132322-1RB#0-PASS

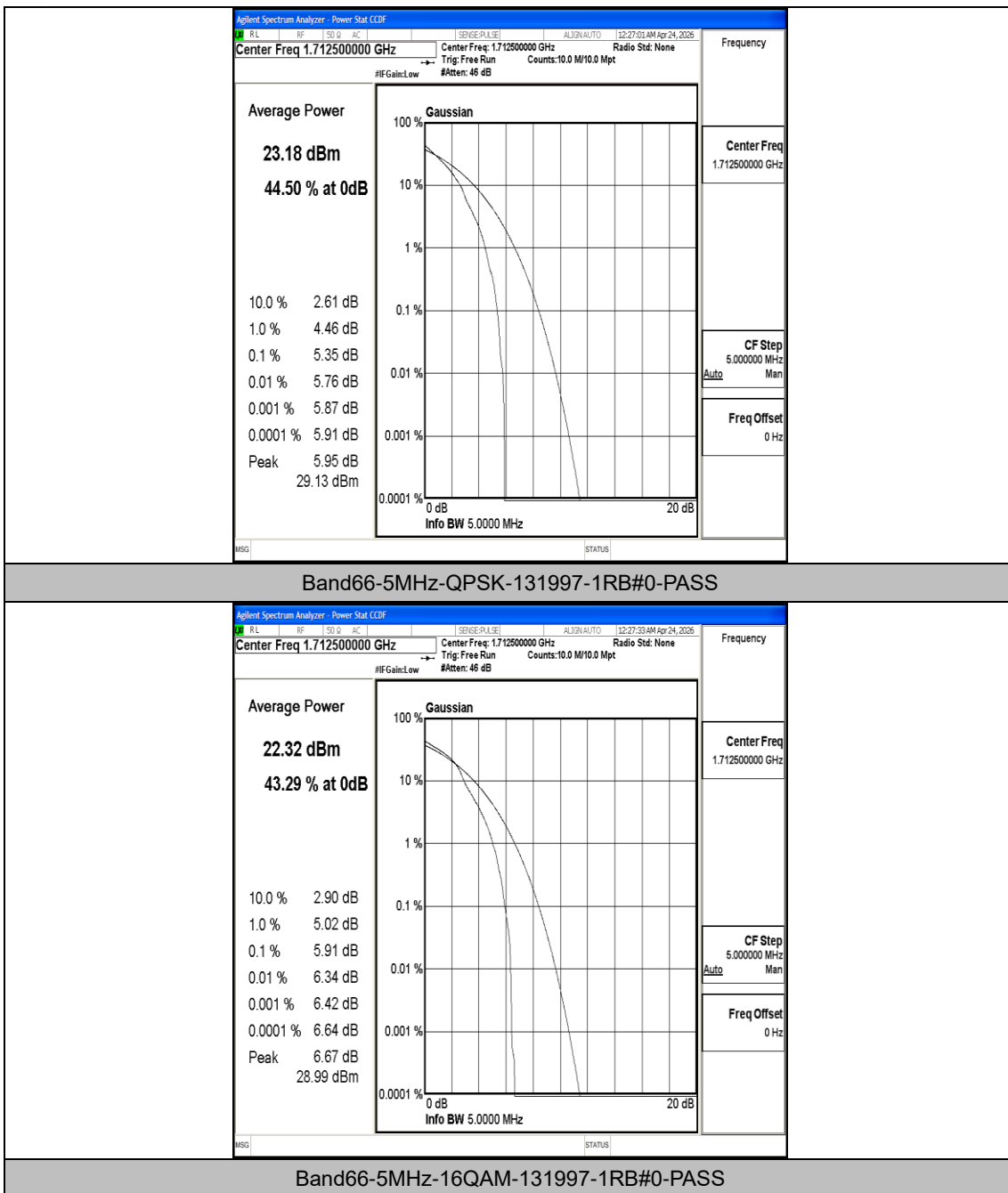


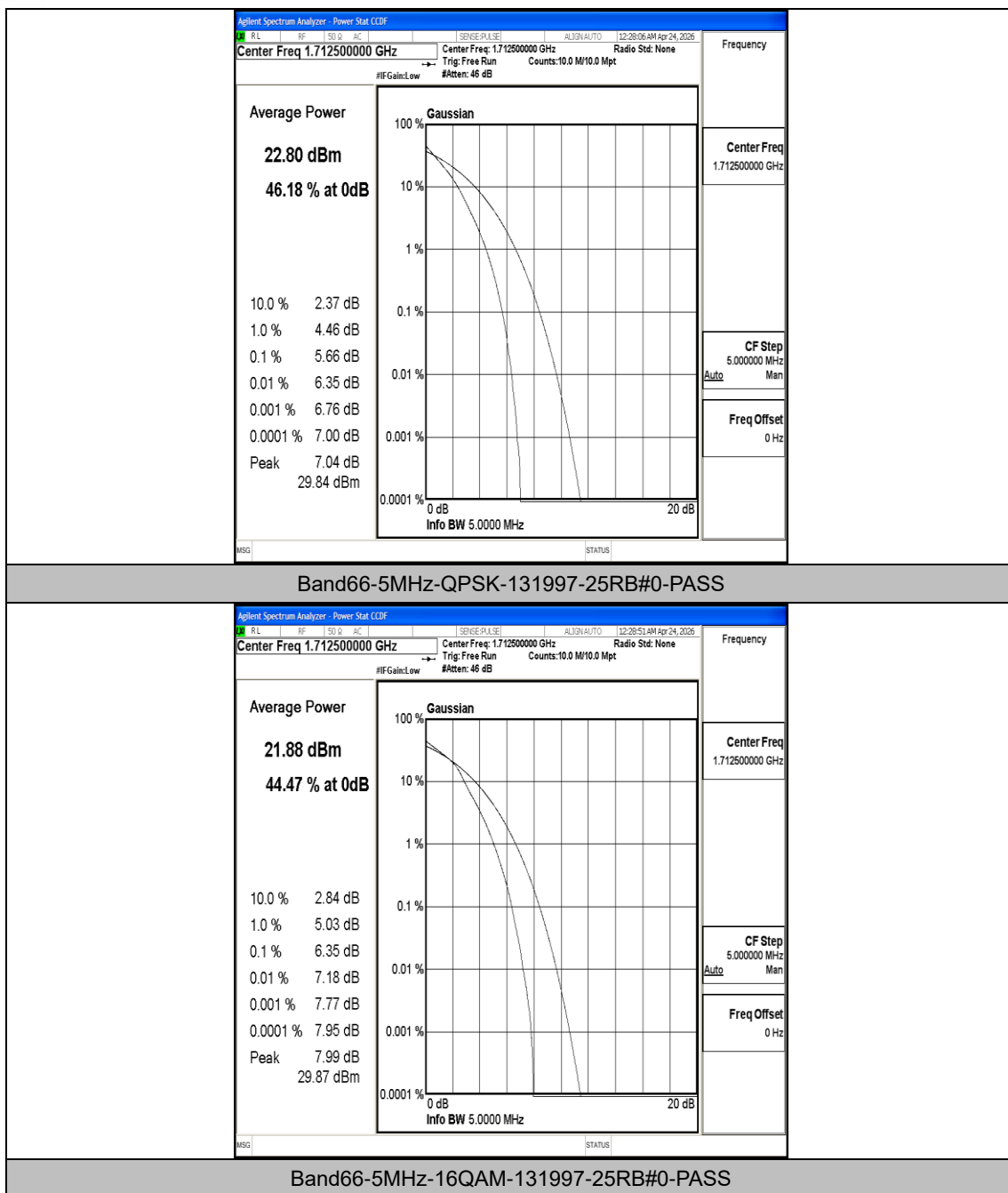
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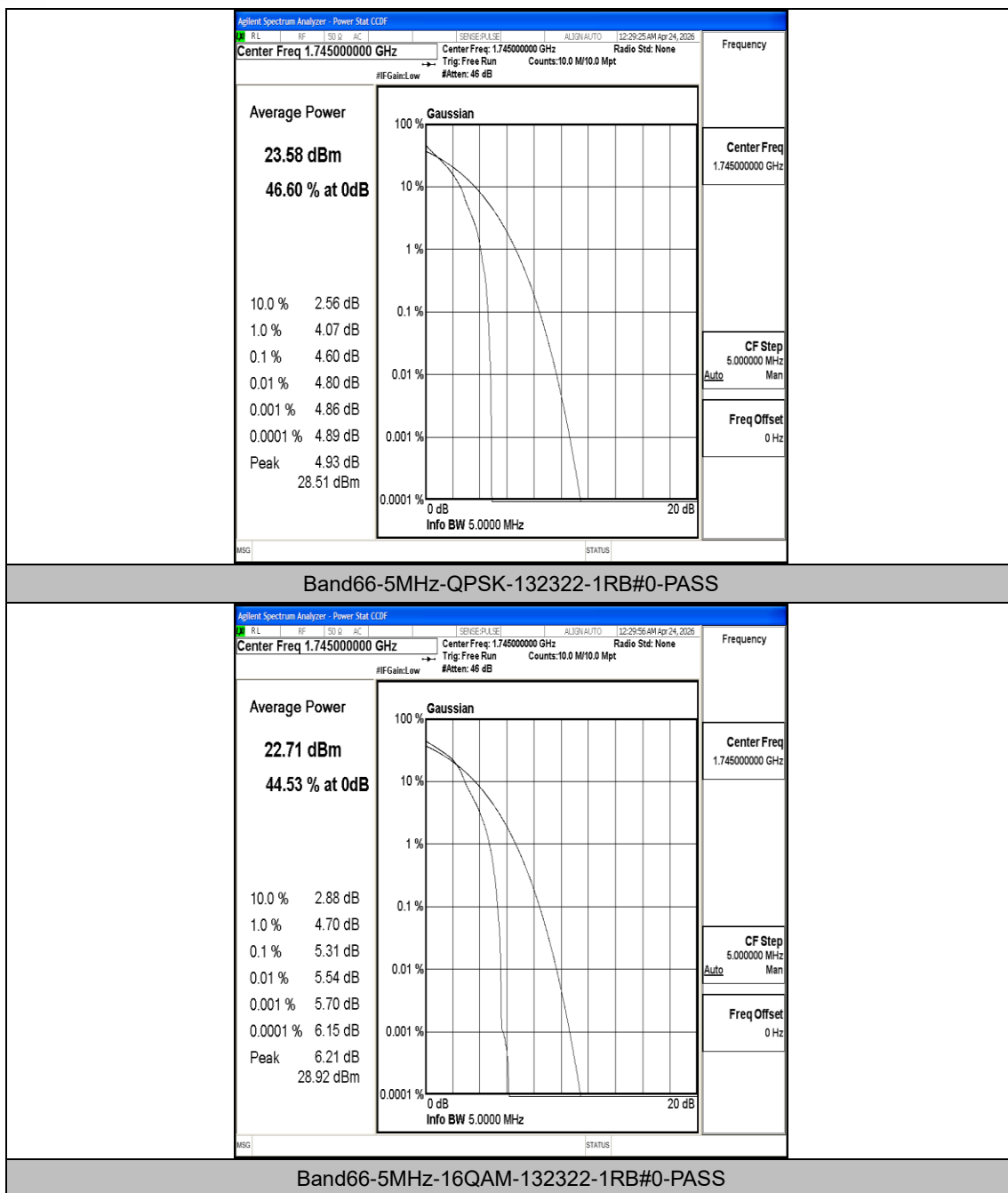


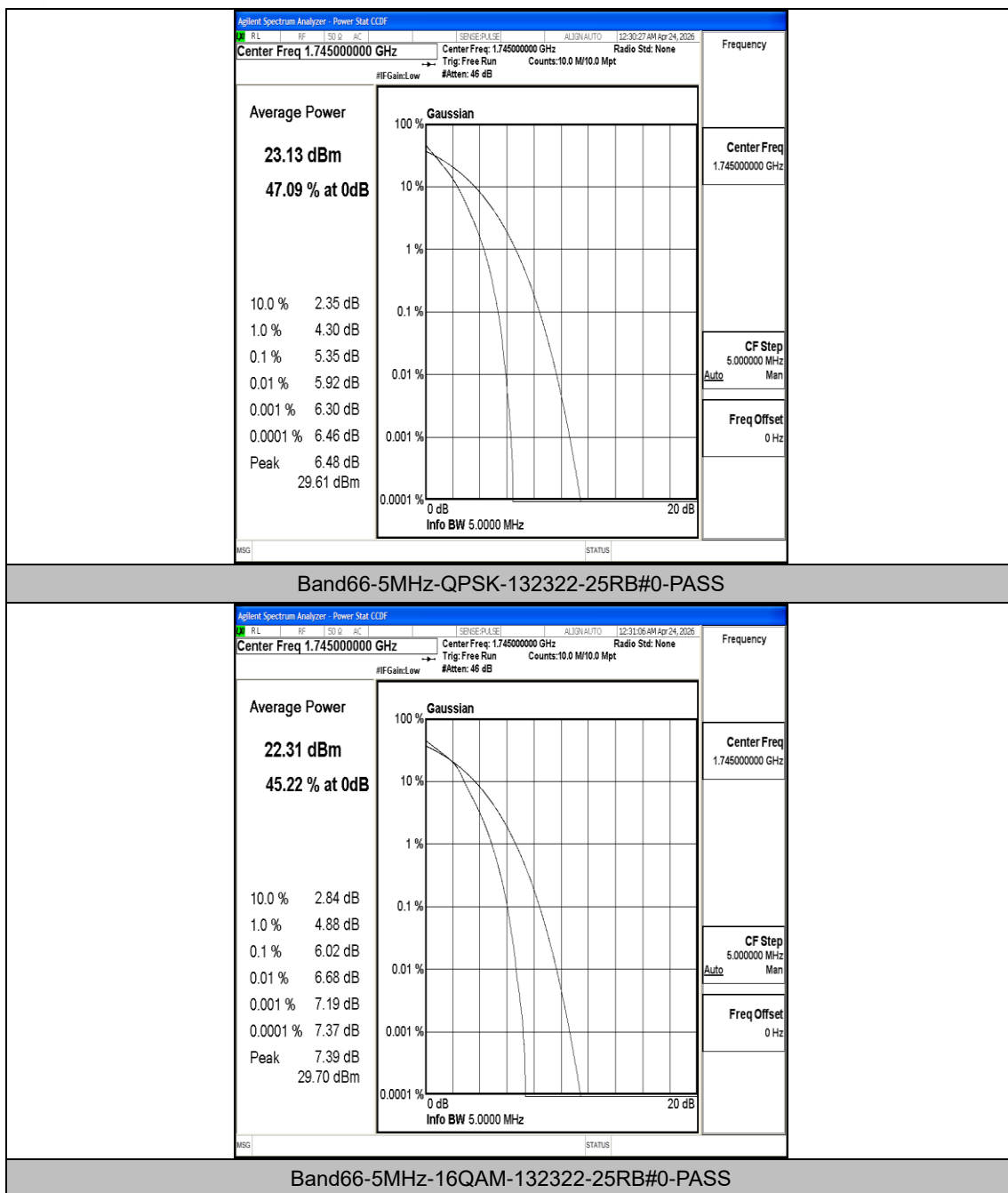


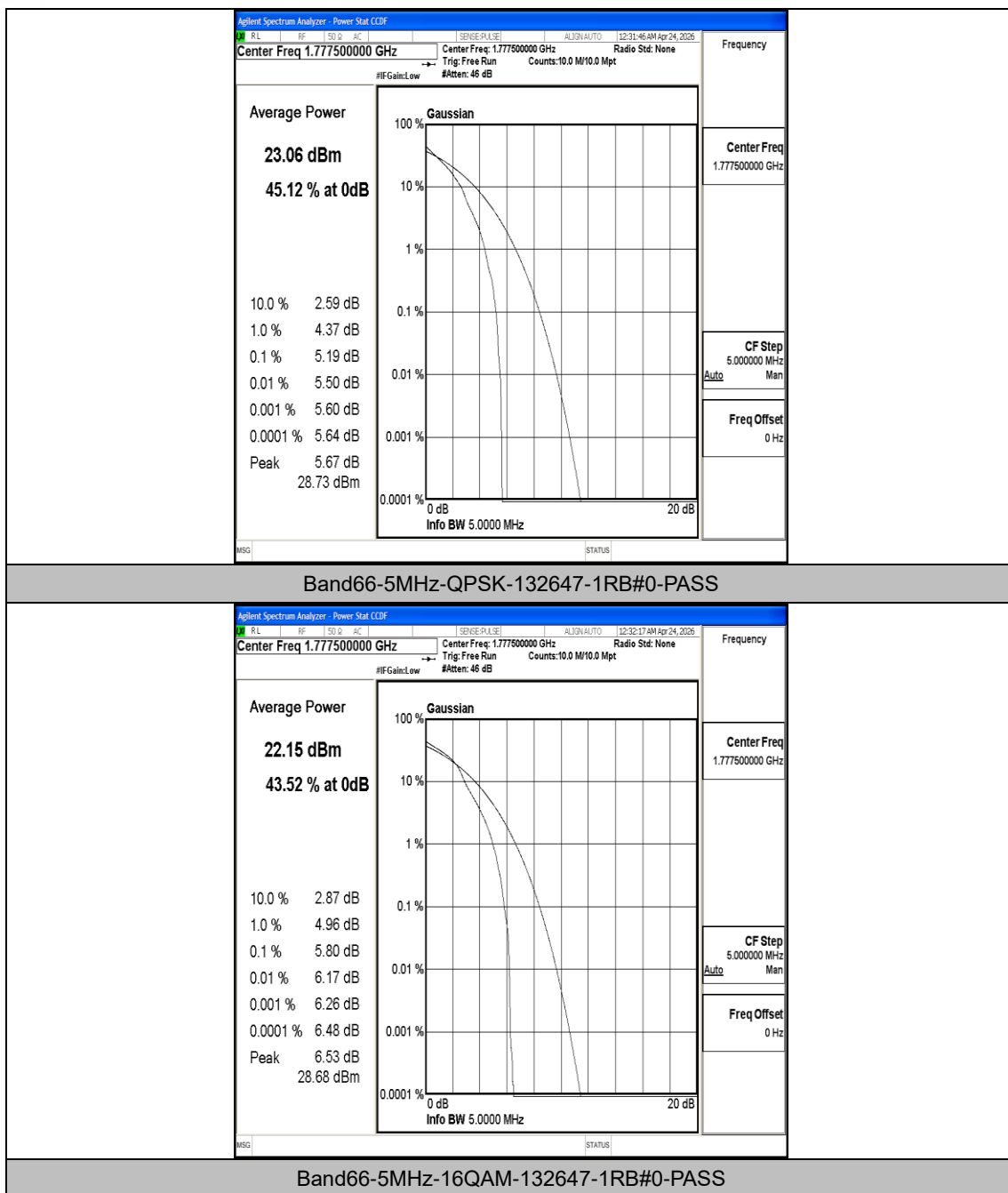


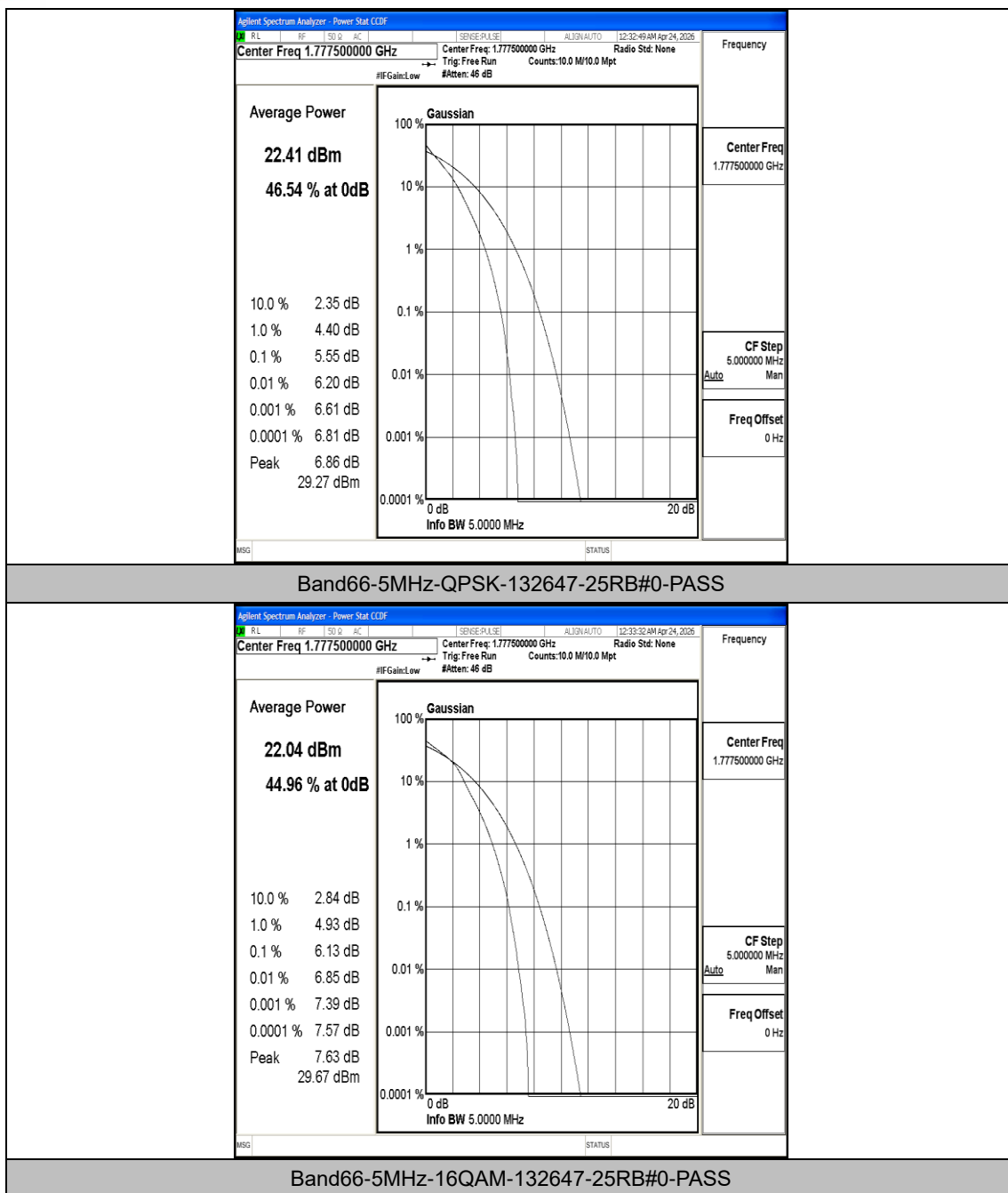


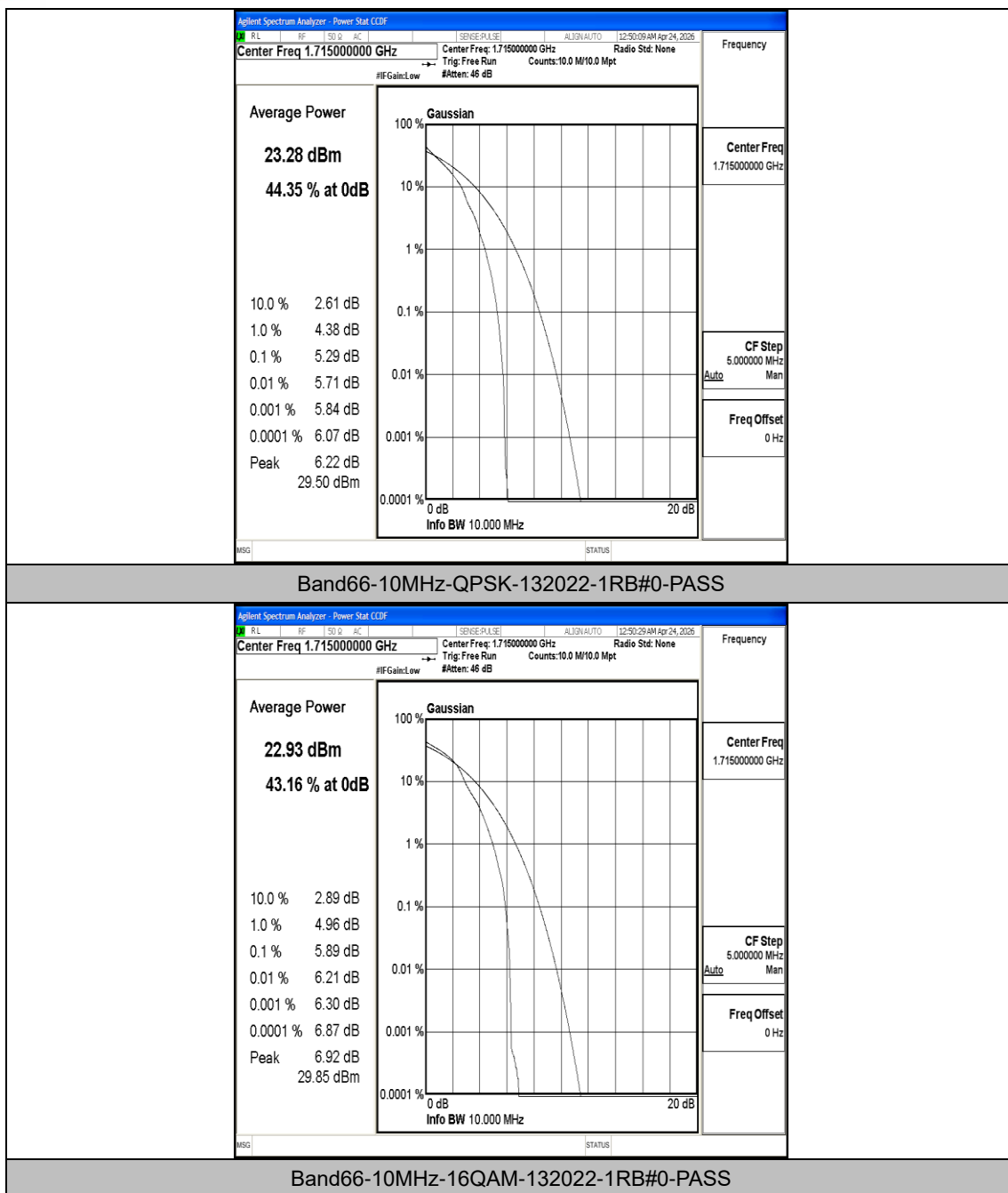


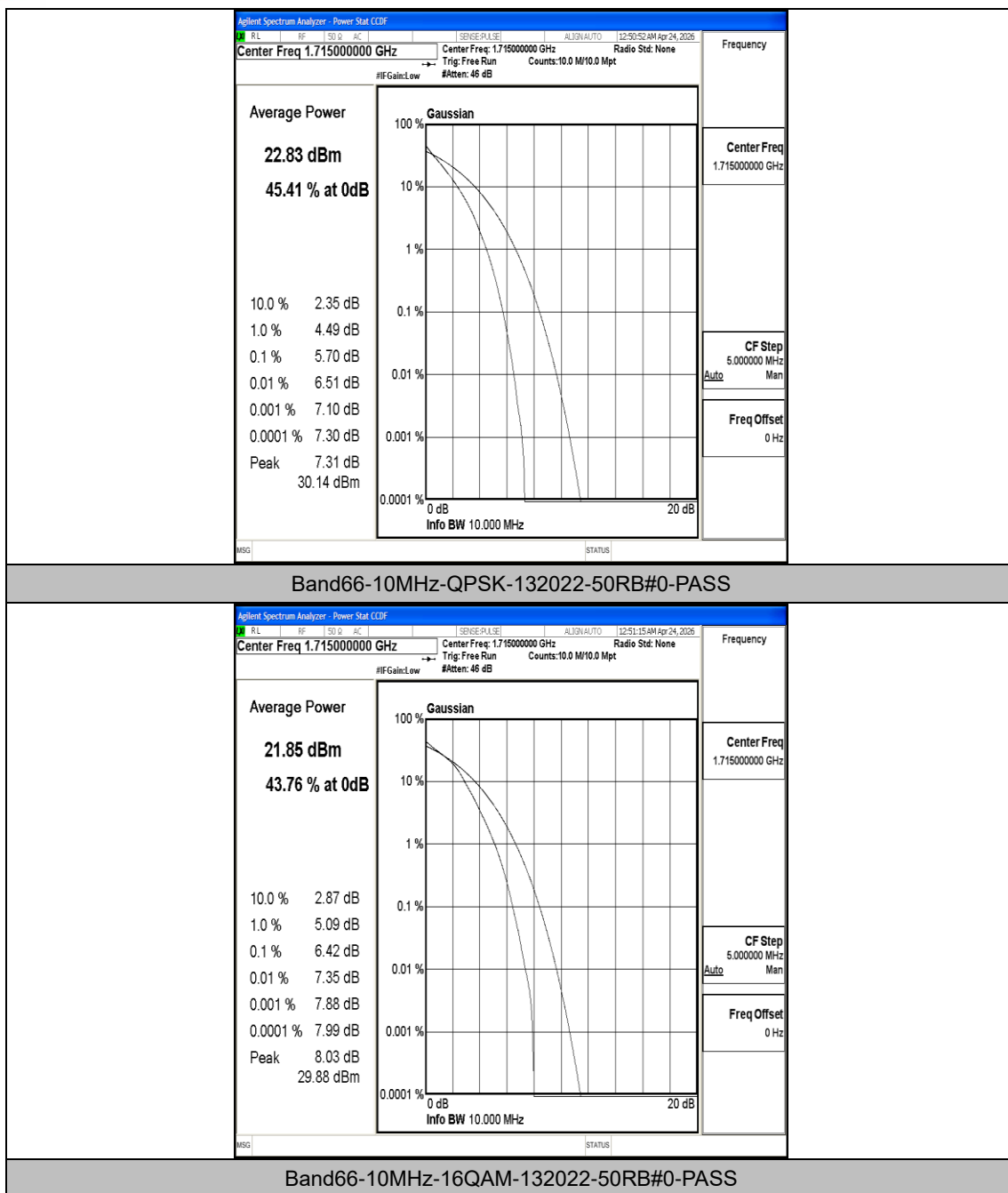


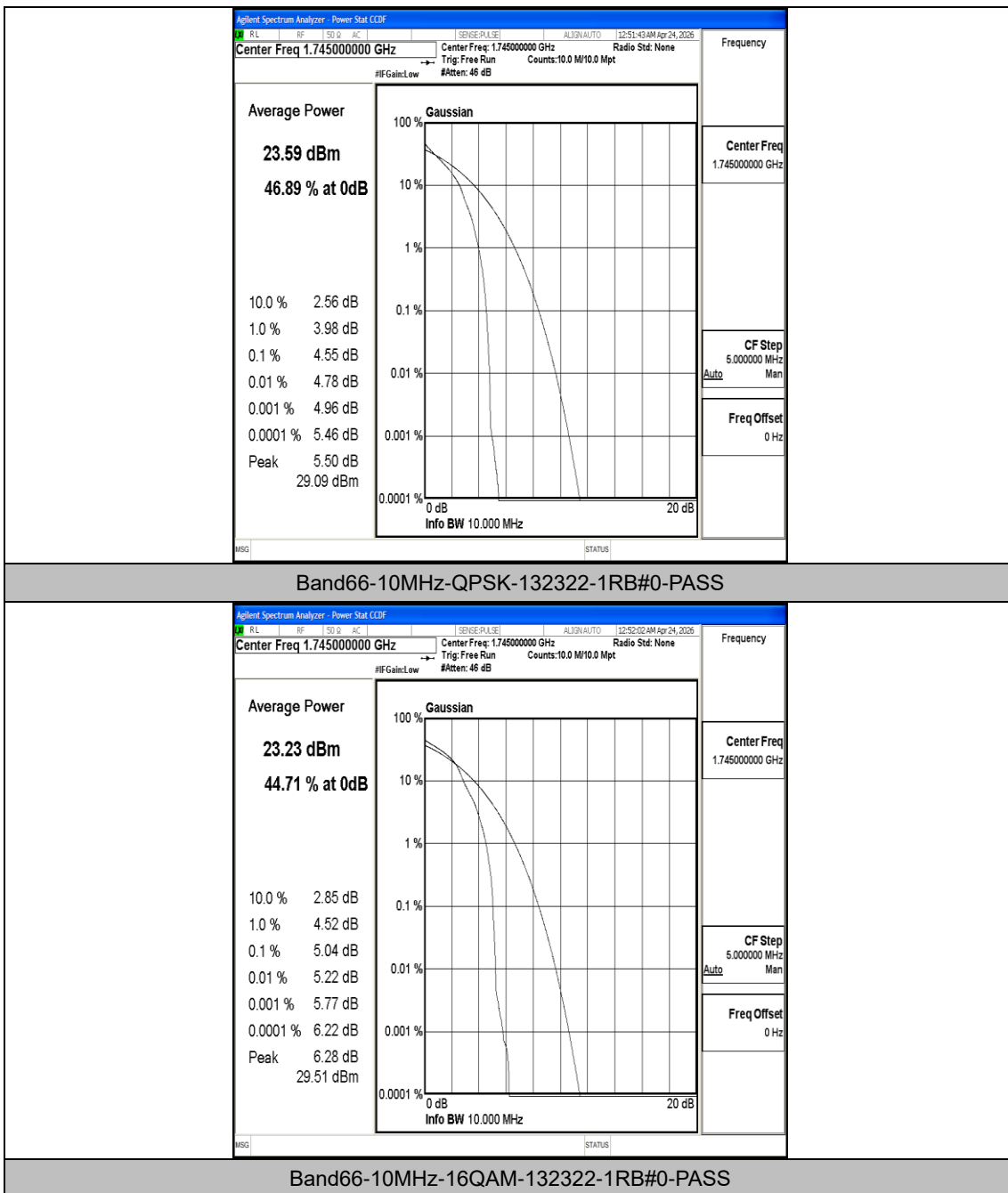


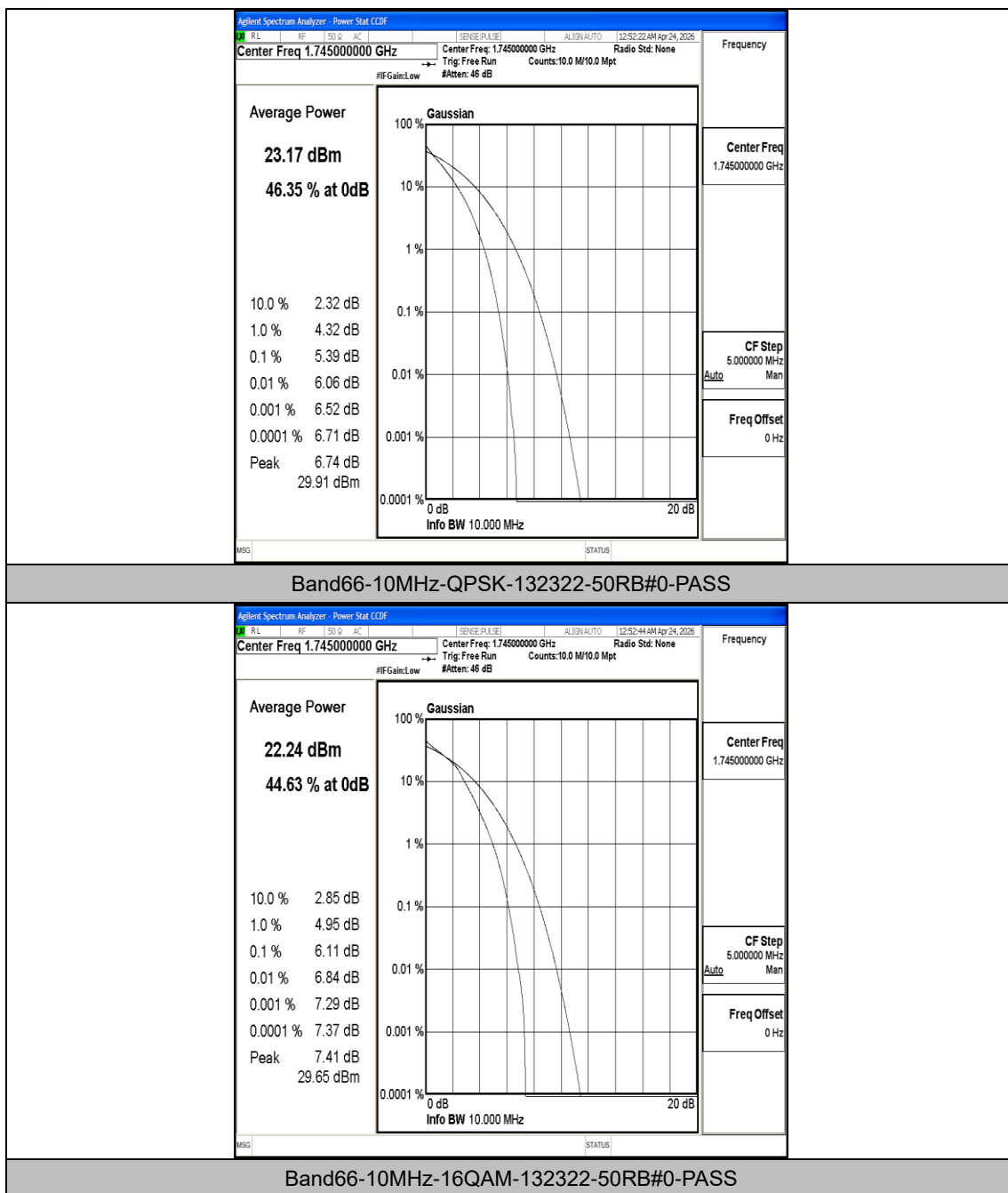


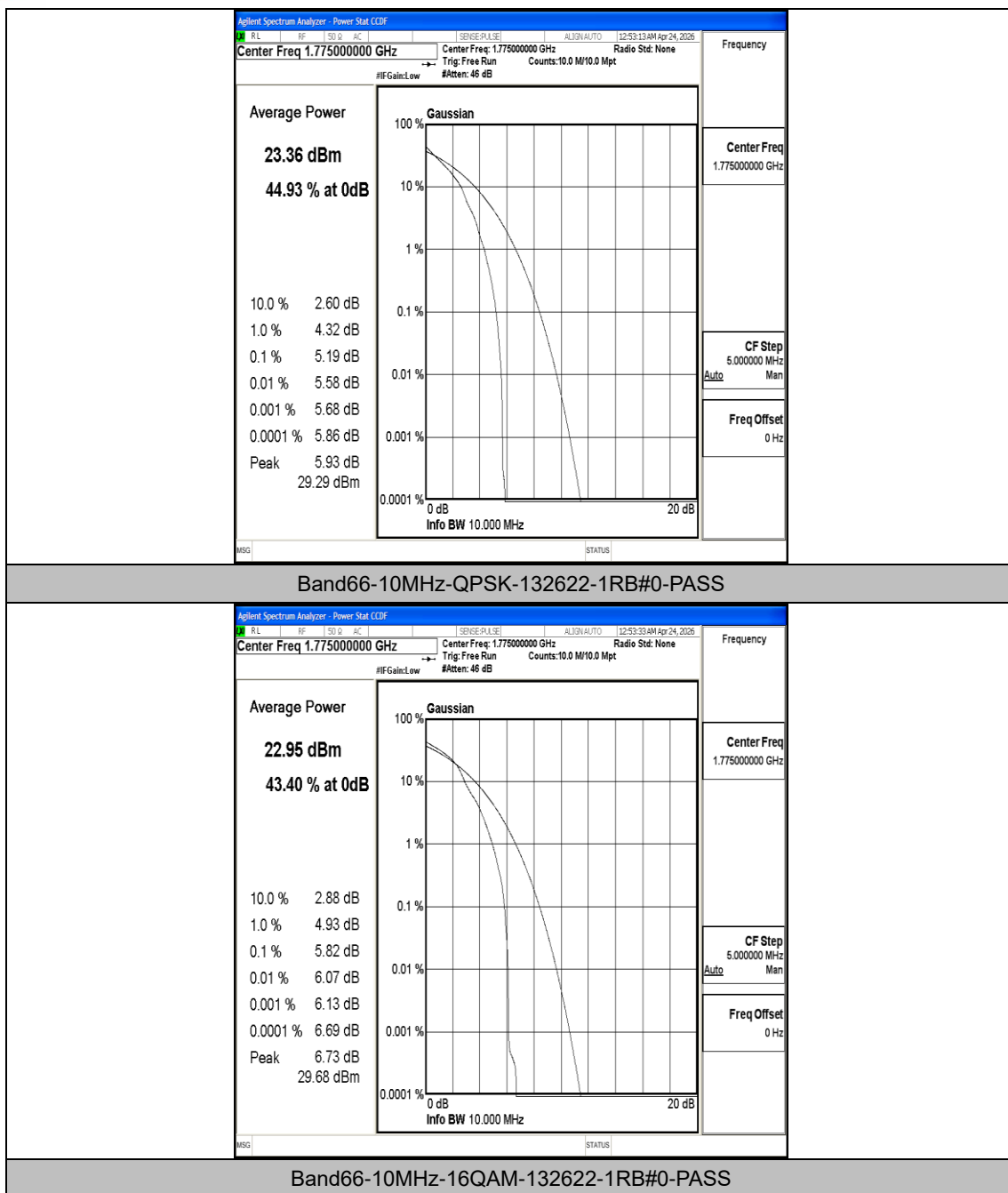


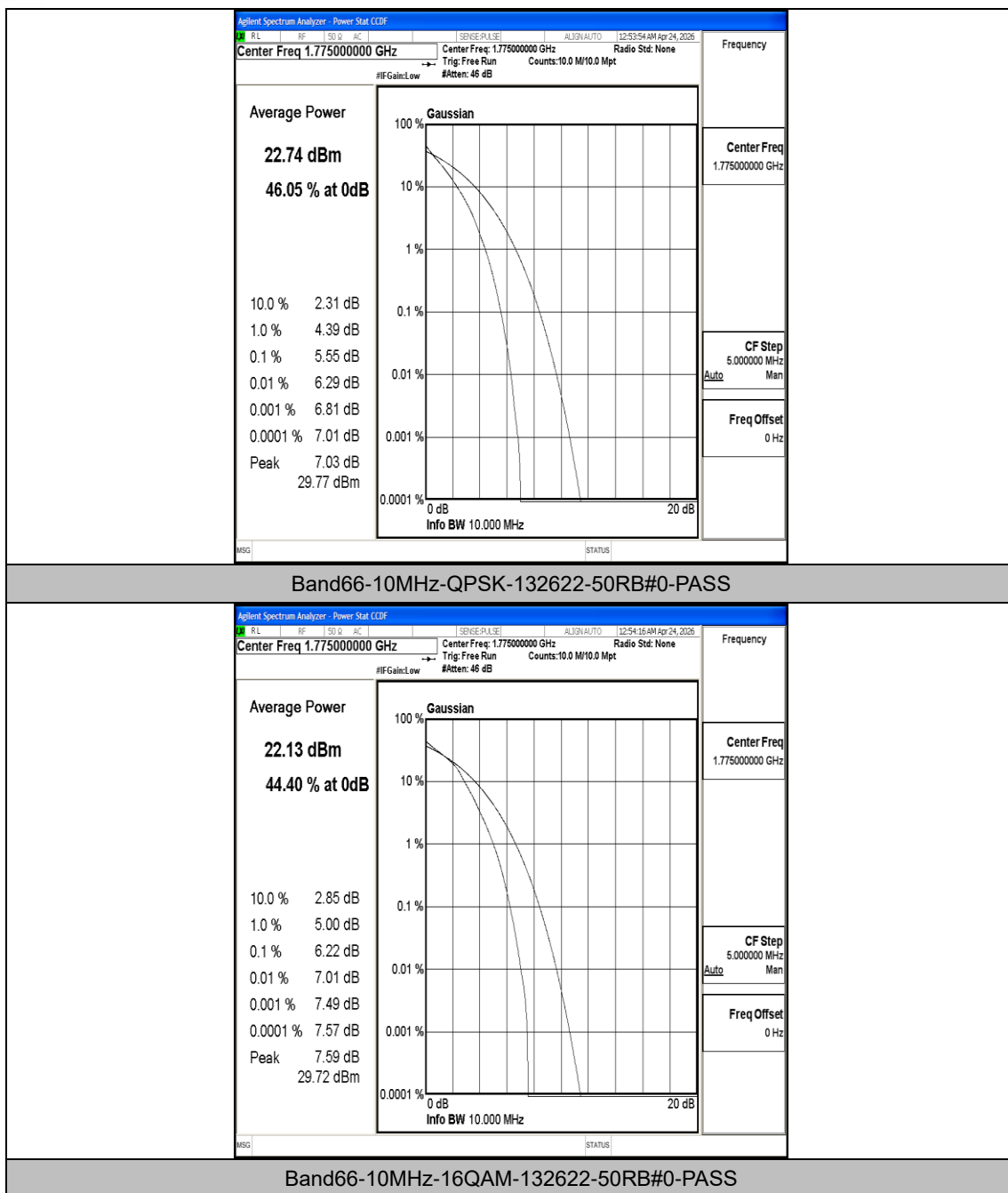


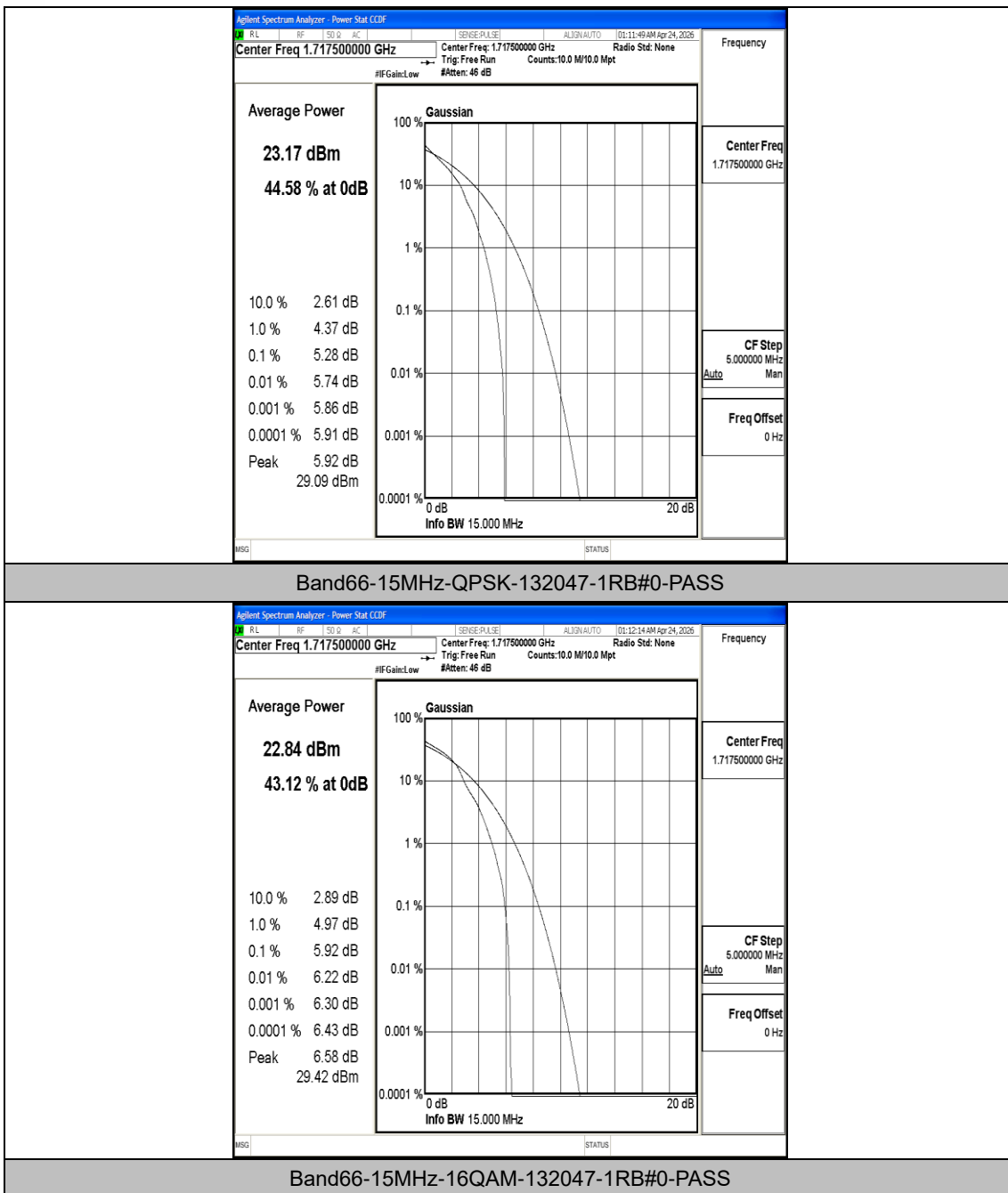


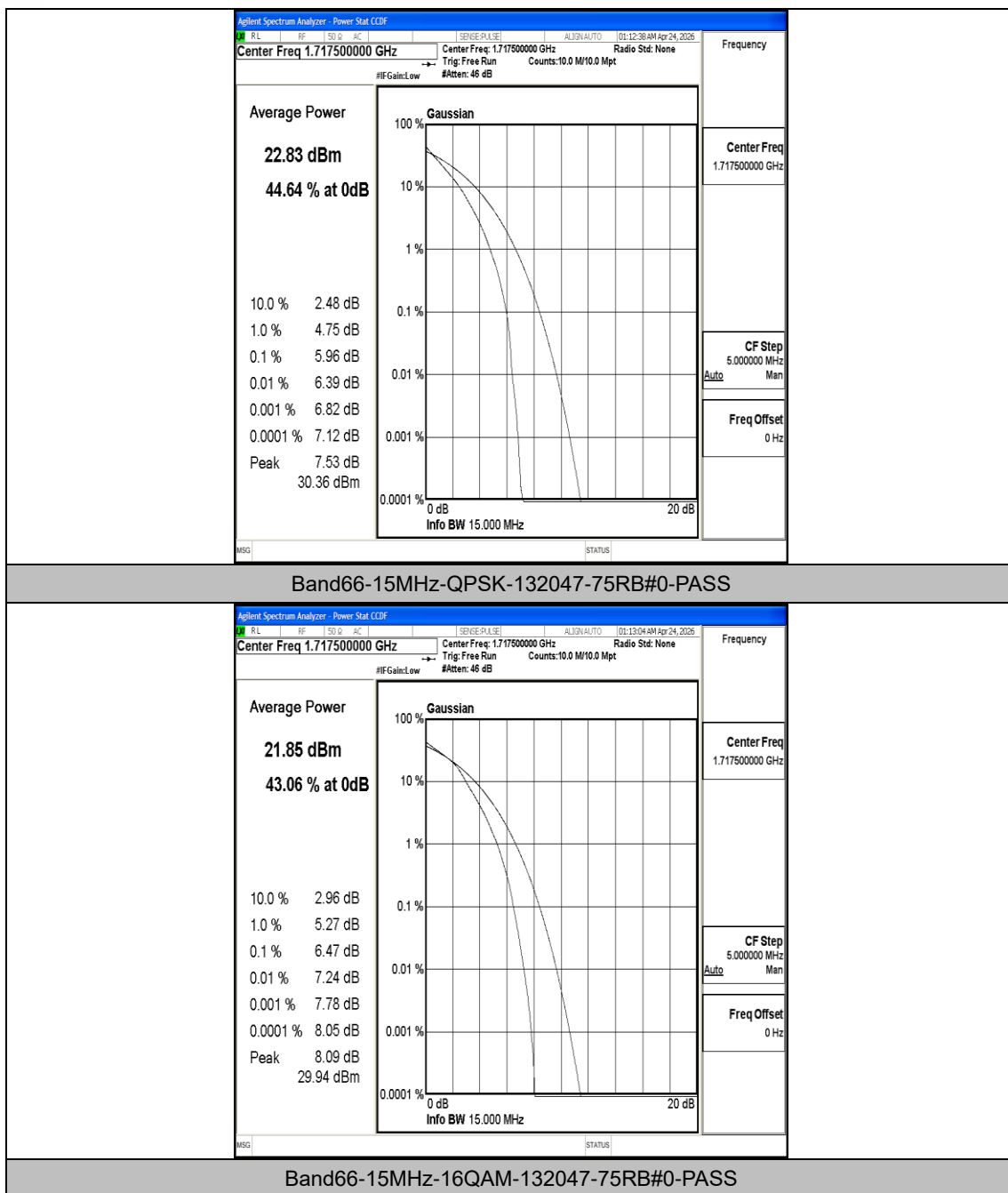


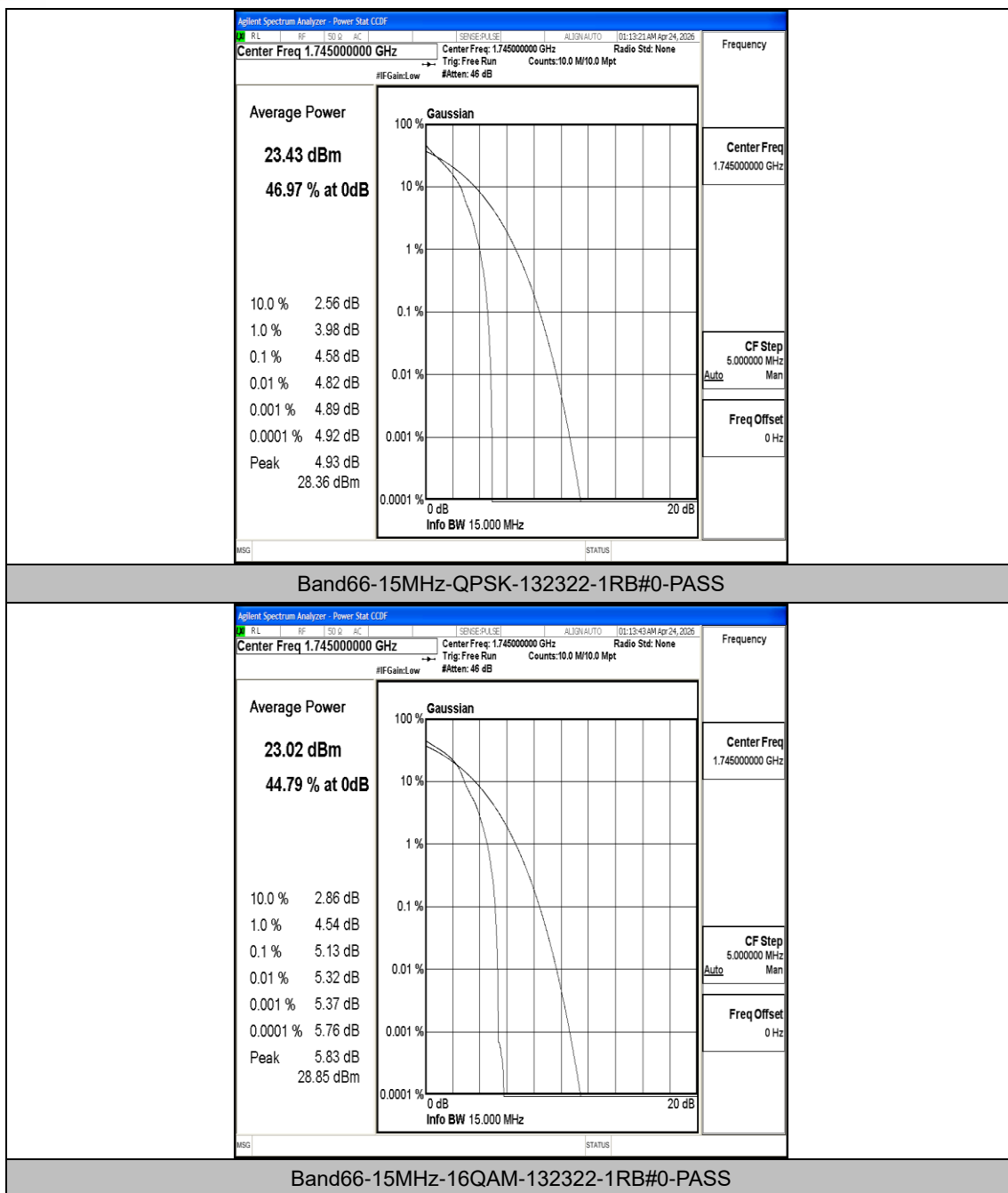


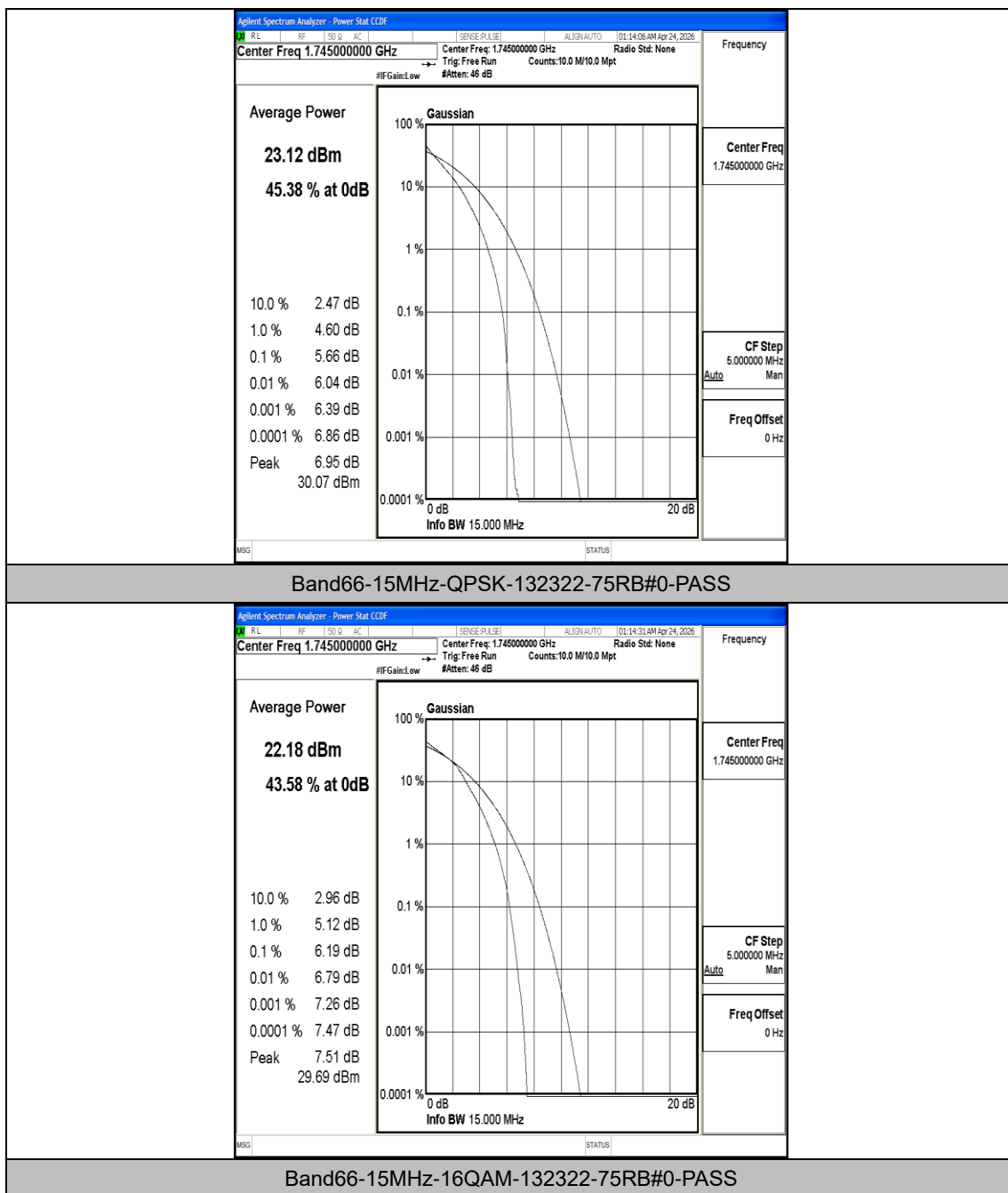


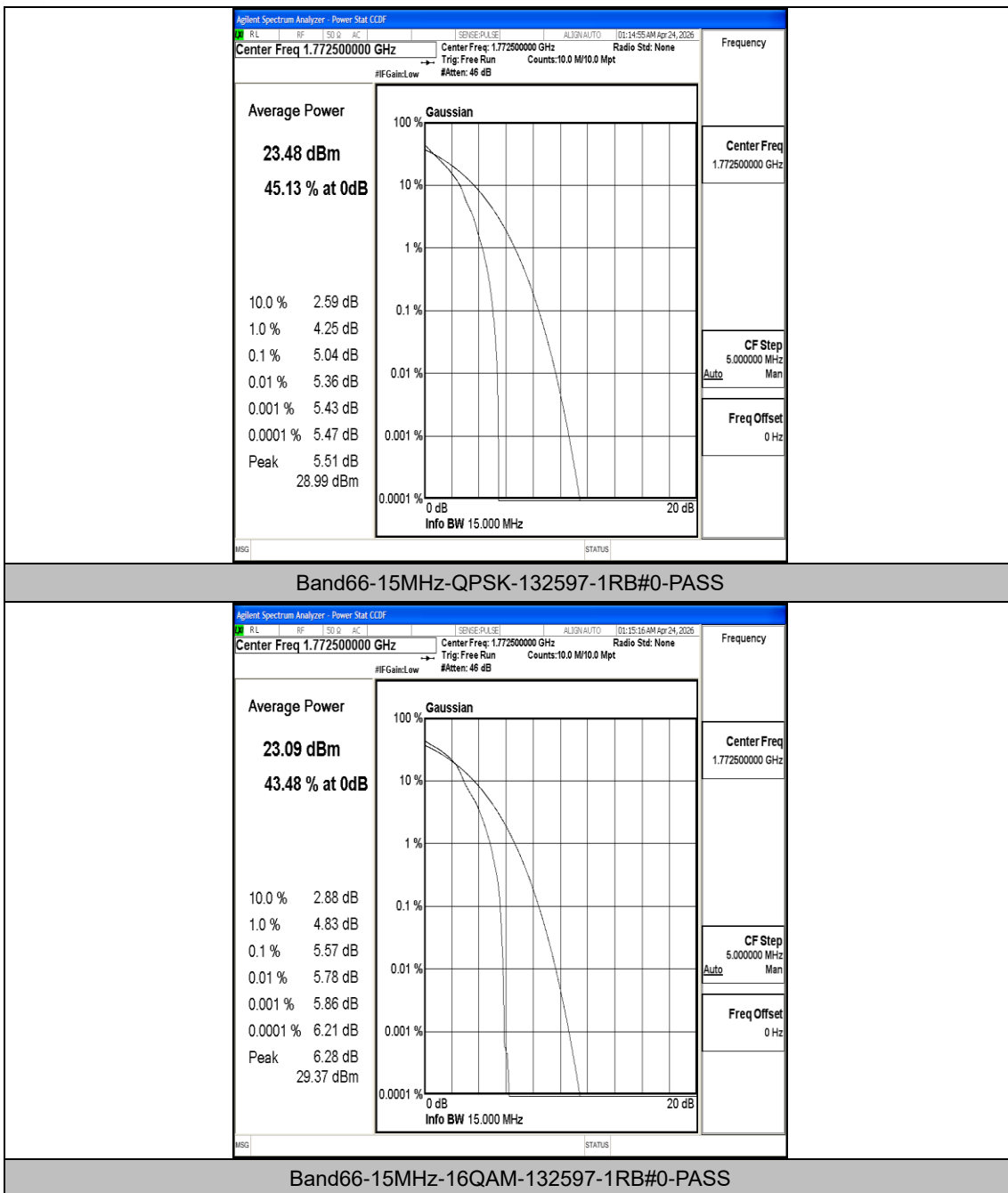


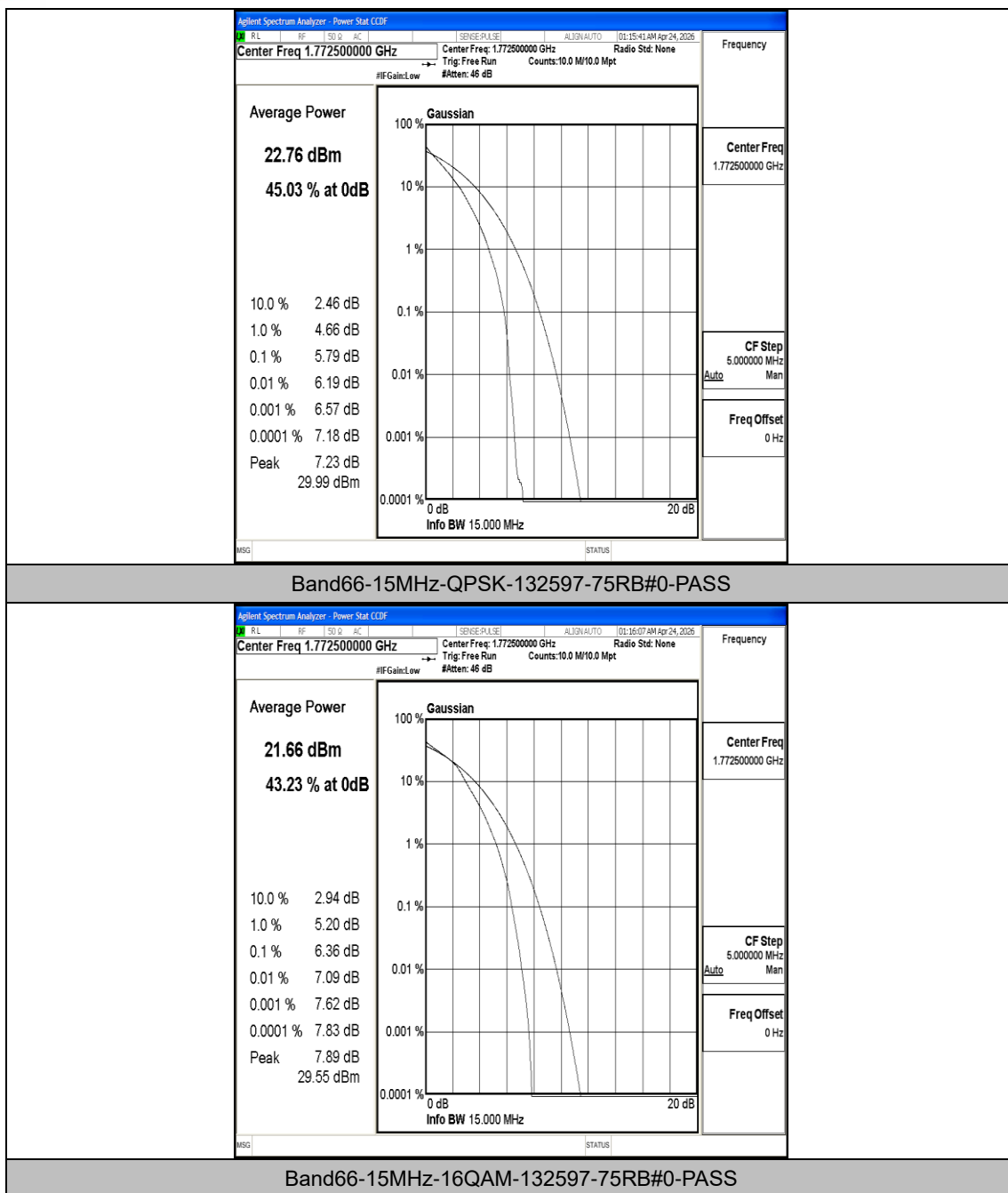


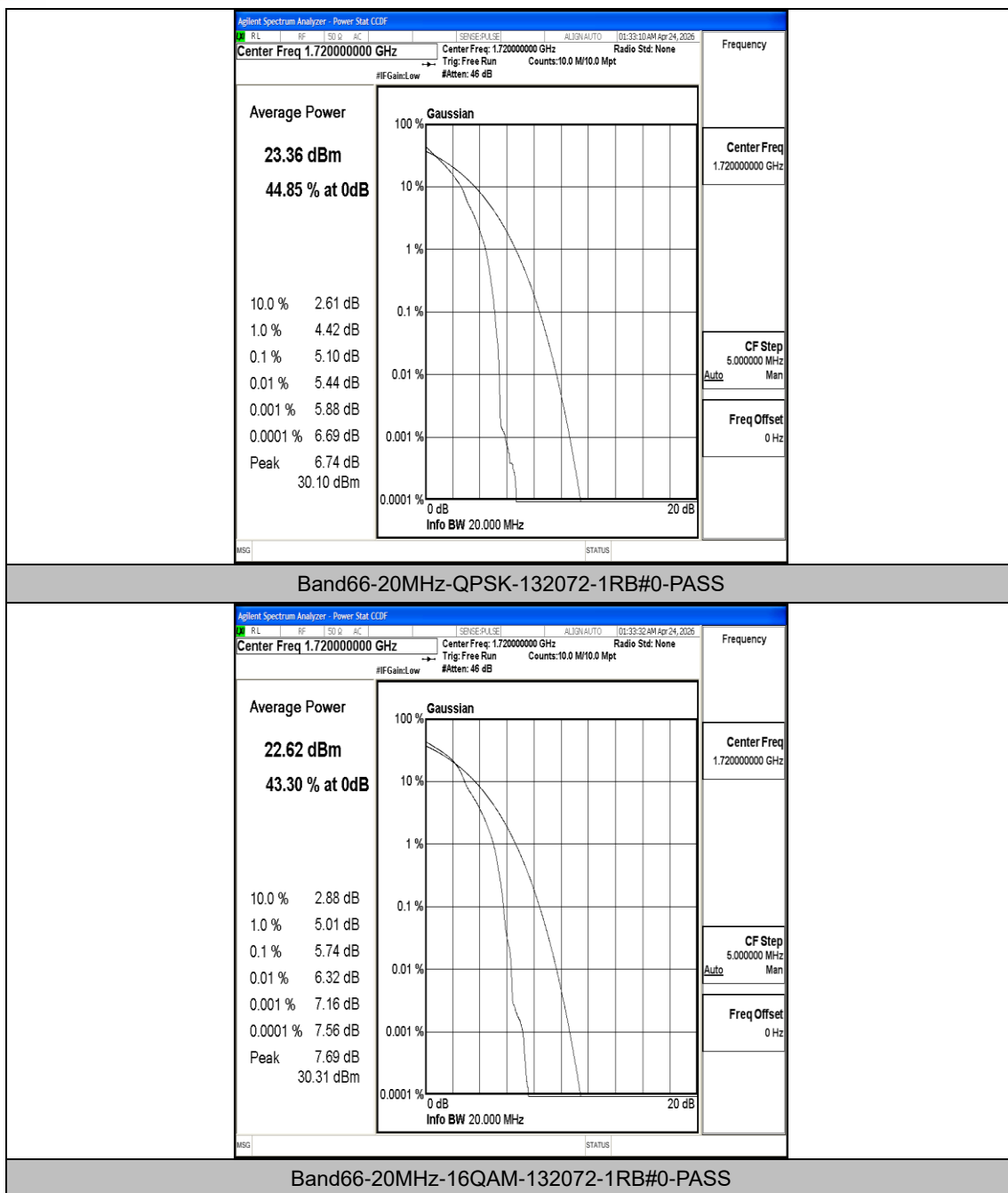


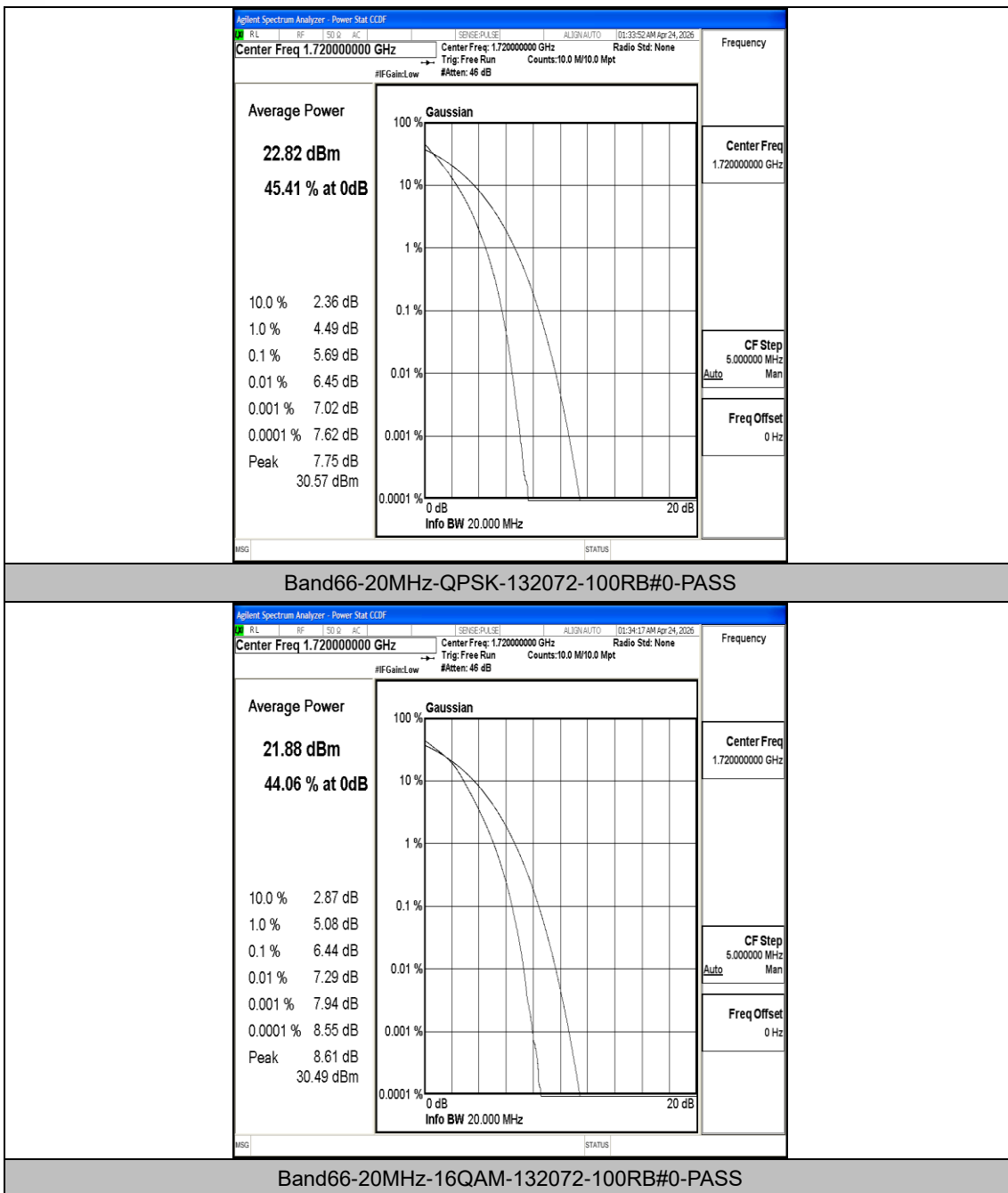


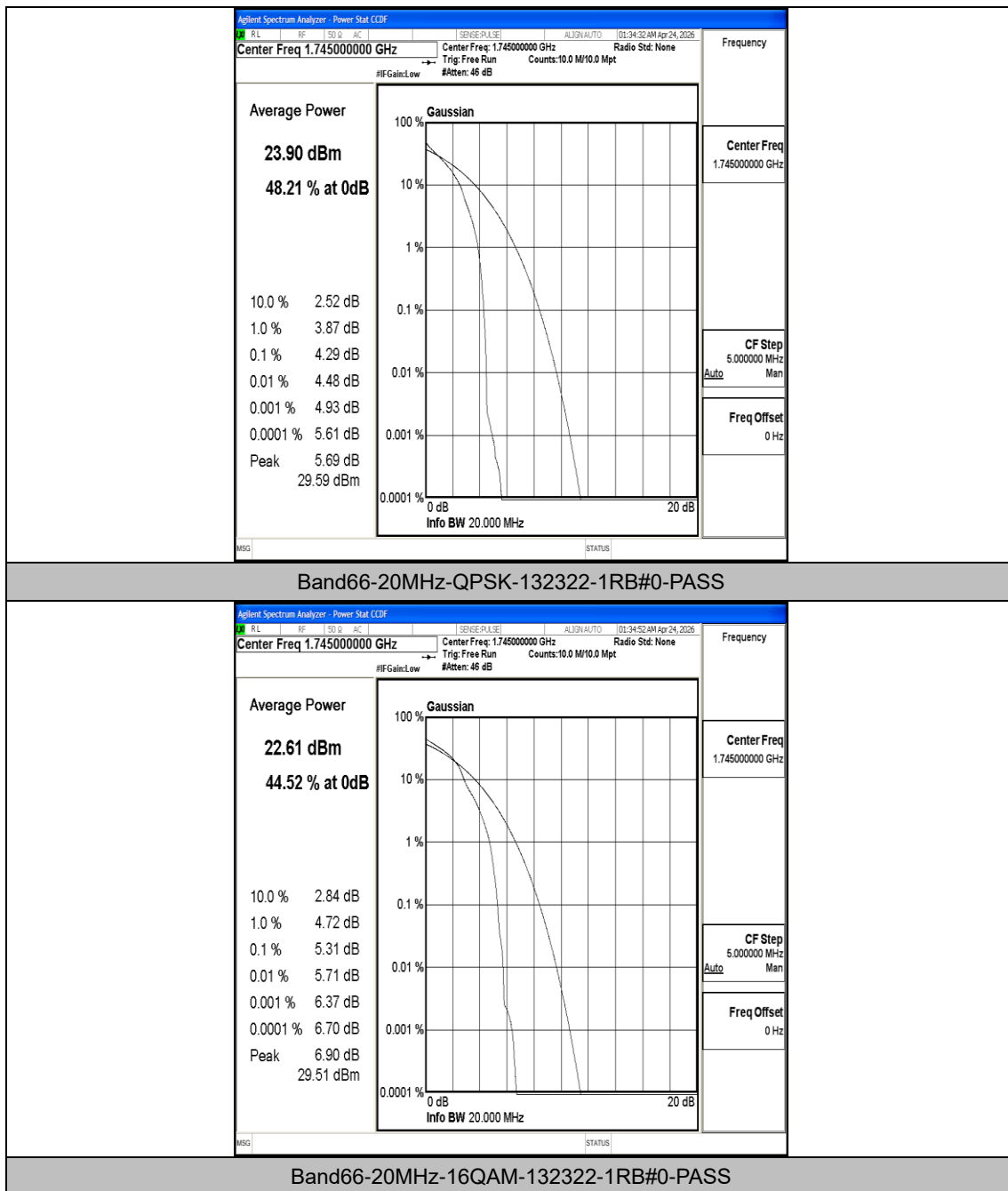


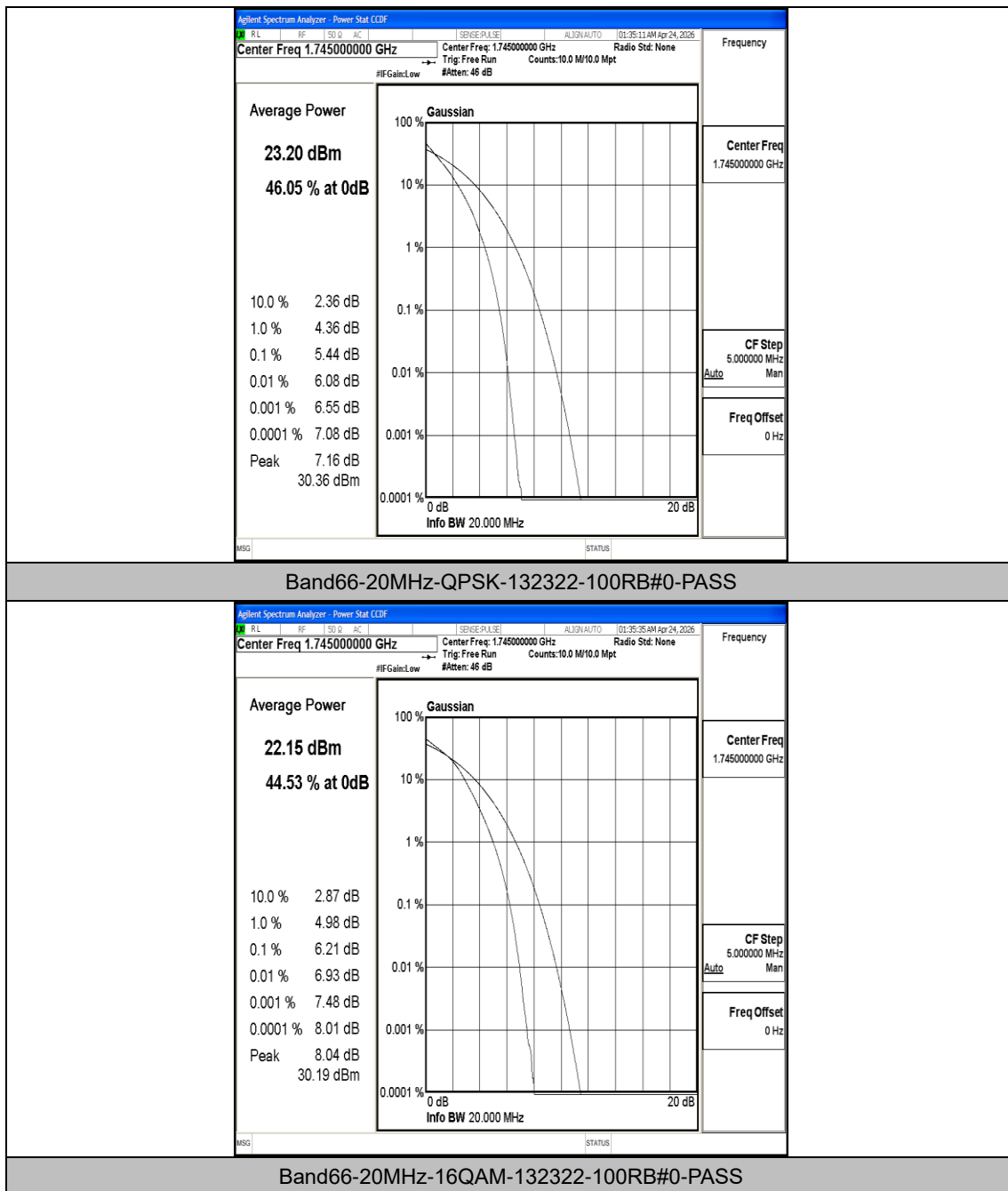


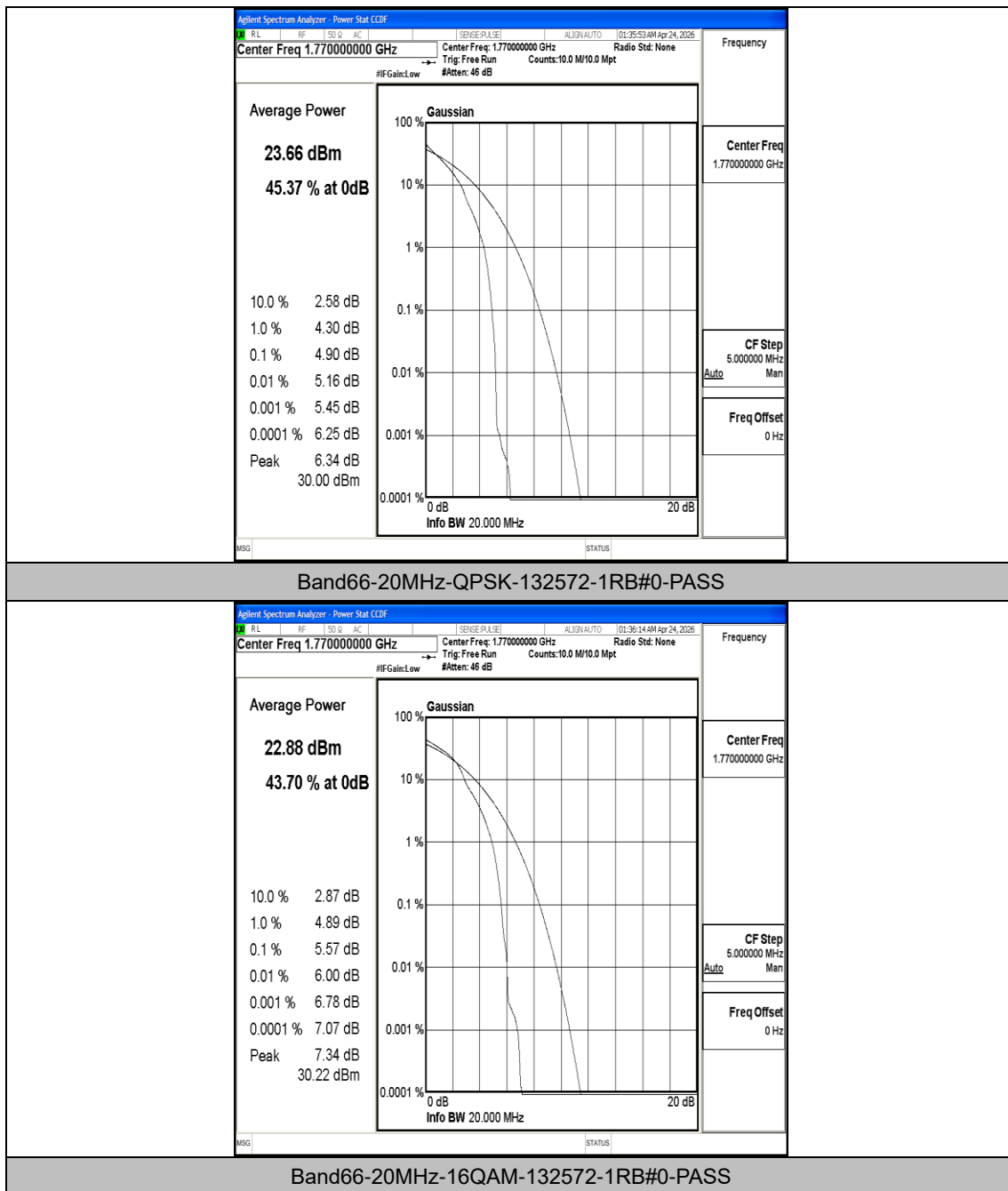


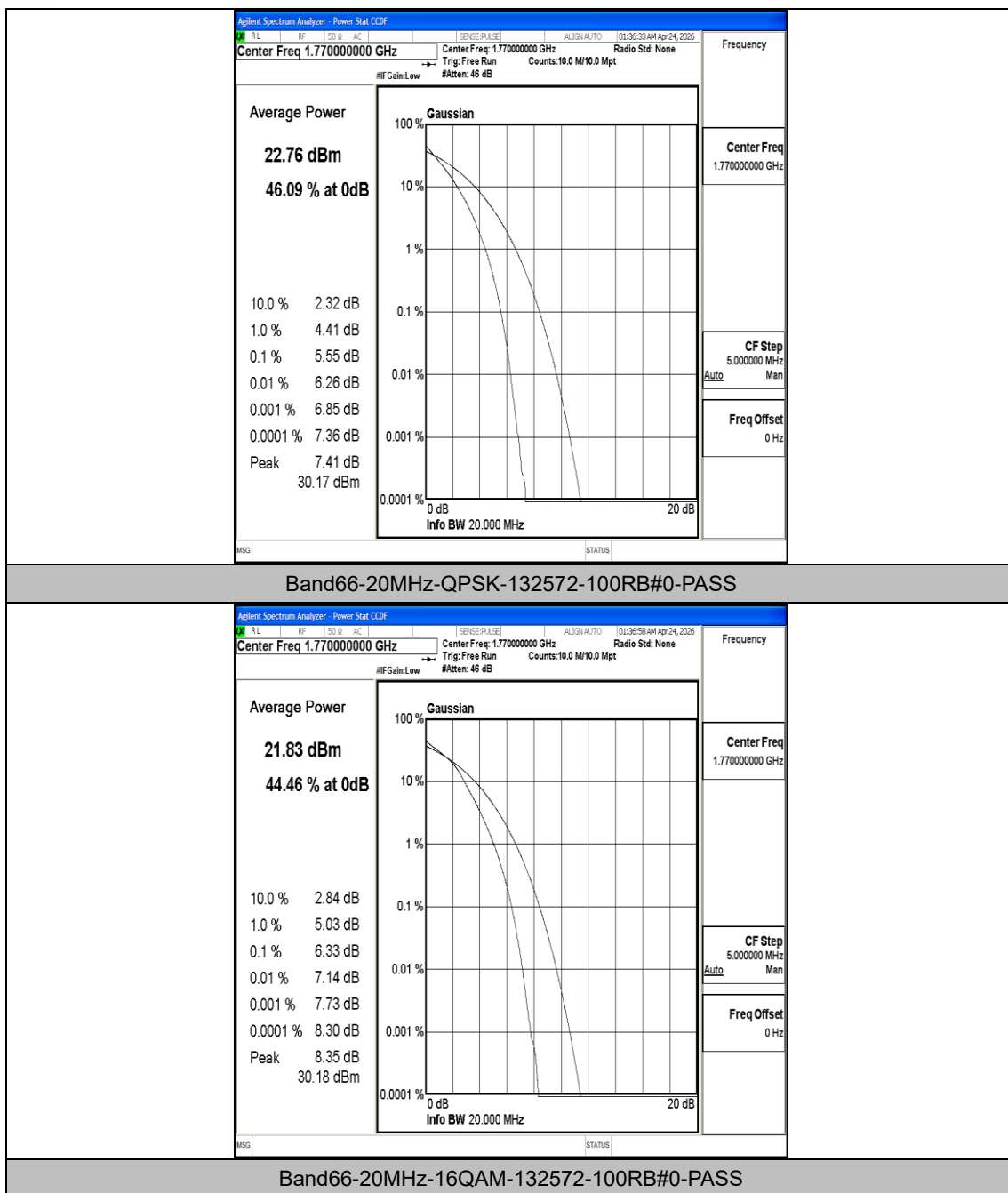










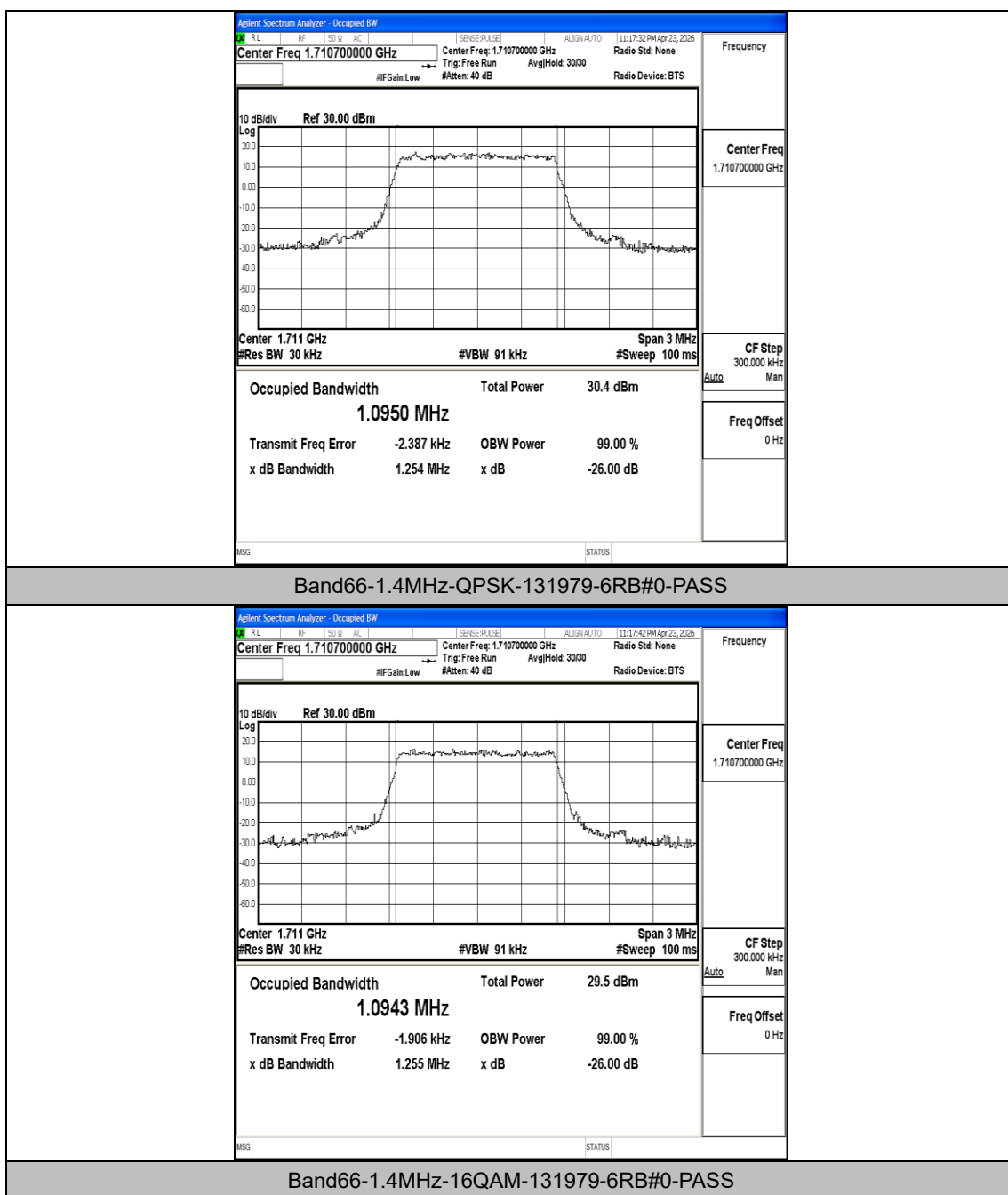


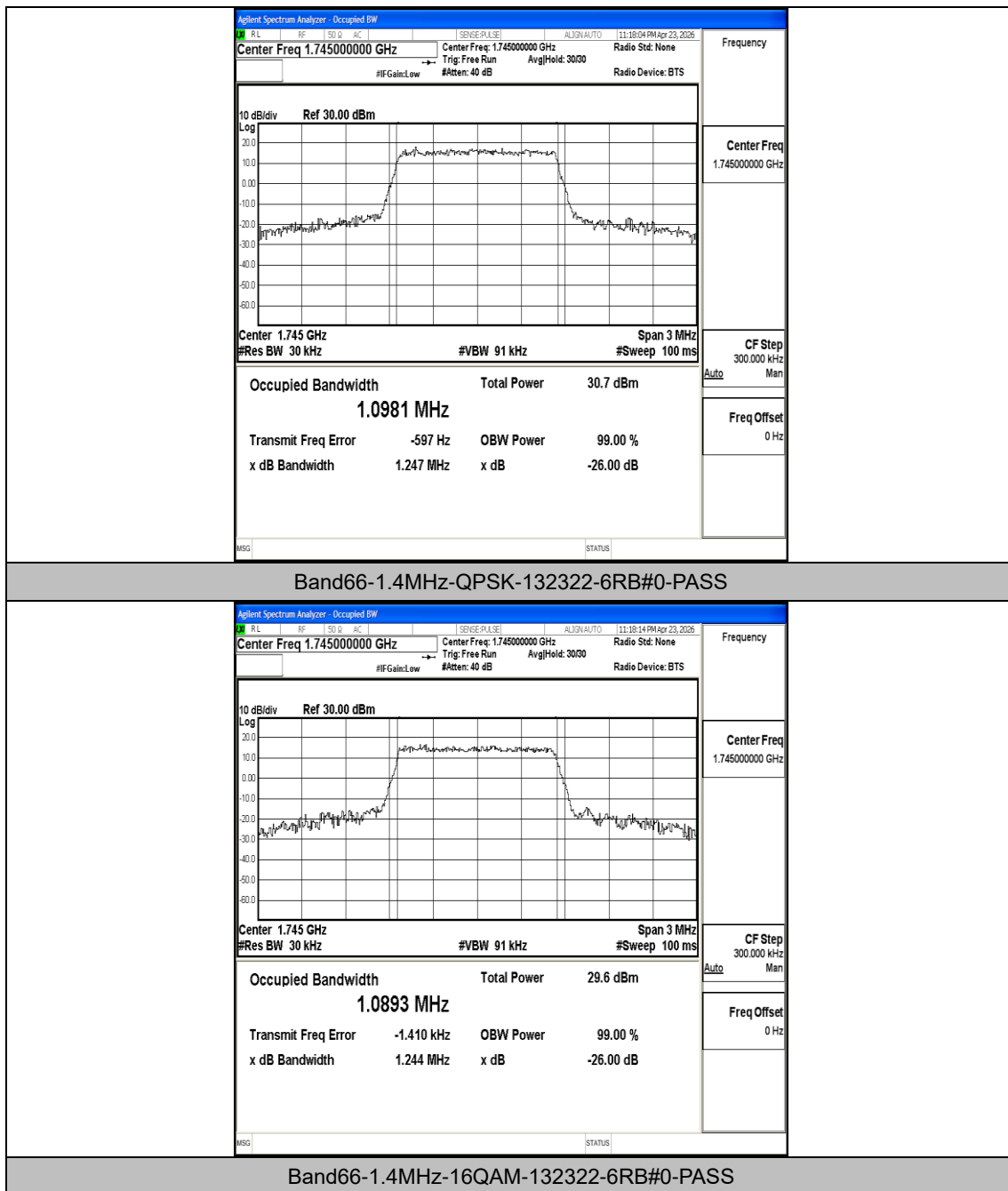
2 26dB Bandwidth and Occupied Bandwidth

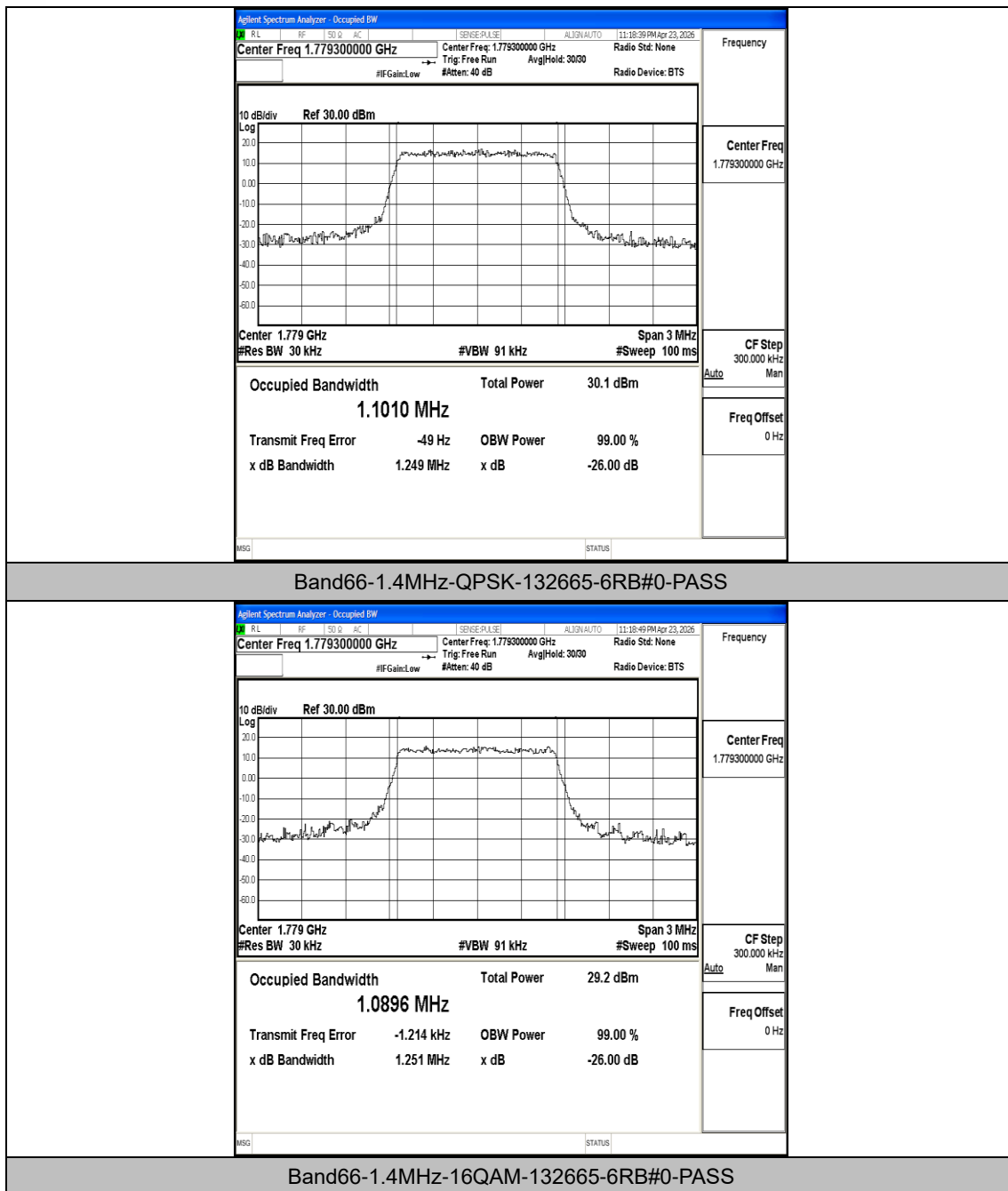
Test Result

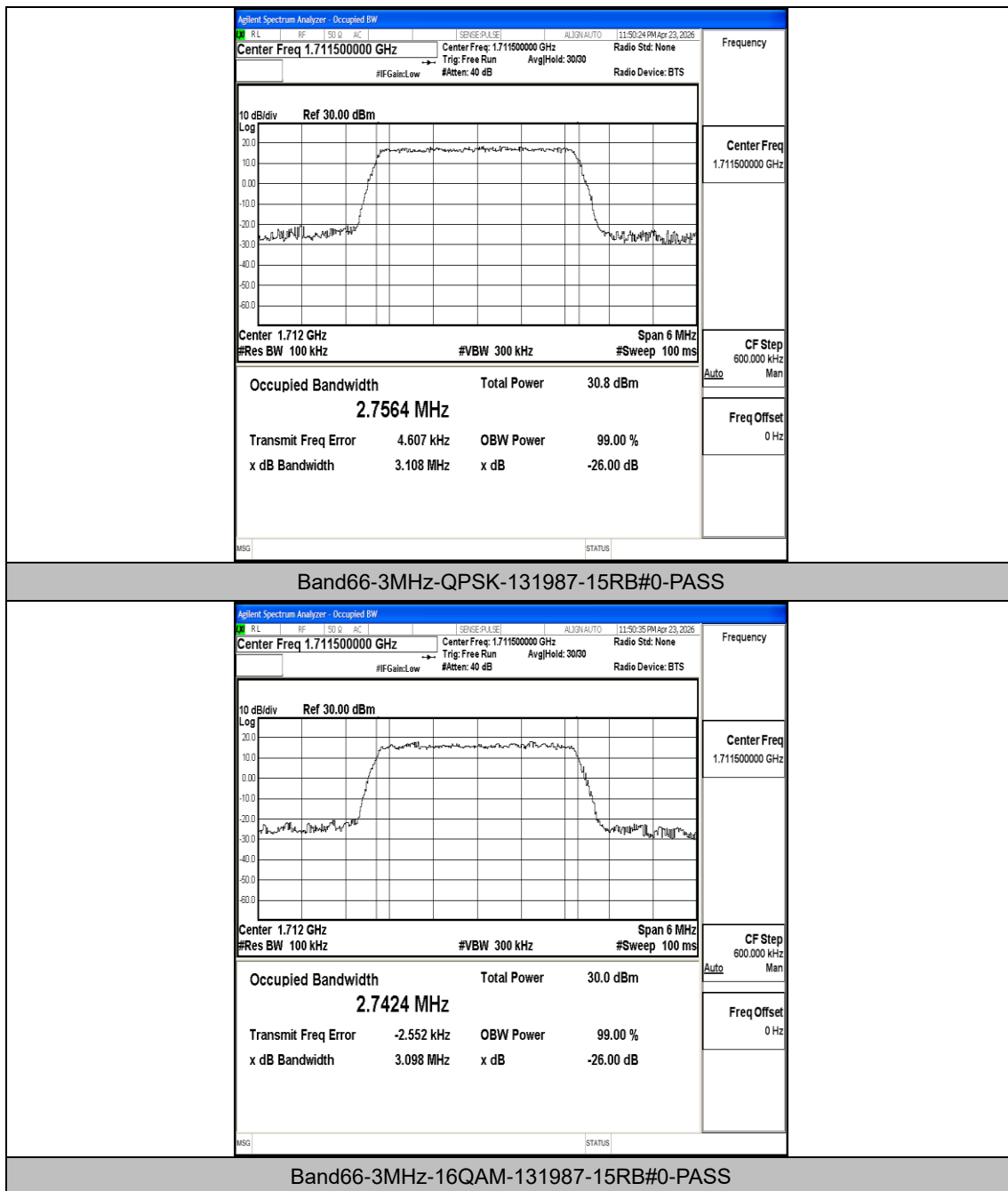
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0950	1.254	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0943	1.255	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0981	1.247	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0893	1.244	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.1010	1.249	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0896	1.251	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.7564	3.108	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.7424	3.098	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.7642	3.097	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.7408	3.086	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.7621	3.109	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.7349	3.097	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5151	4.956	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4994	4.958	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5126	4.953	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5076	4.980	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5067	4.995	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5043	4.994	PASS
Band66	10MHz	QPSK	132022	50RB#0	9.0026	9.884	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9822	9.886	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9944	9.878	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9755	9.892	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9756	9.903	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9884	9.881	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.503	14.96	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.494	14.92	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.505	14.94	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.517	14.86	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.487	14.98	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.461	14.93	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.996	19.73	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.998	19.67	PASS
Band66	20MHz	QPSK	132322	100RB#0	18.027	19.68	PASS
Band66	20MHz	16QAM	132322	100RB#0	18.058	19.64	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.982	19.66	PASS
Band66	20MHz	16QAM	132572	100RB#0	18.002	19.75	PASS

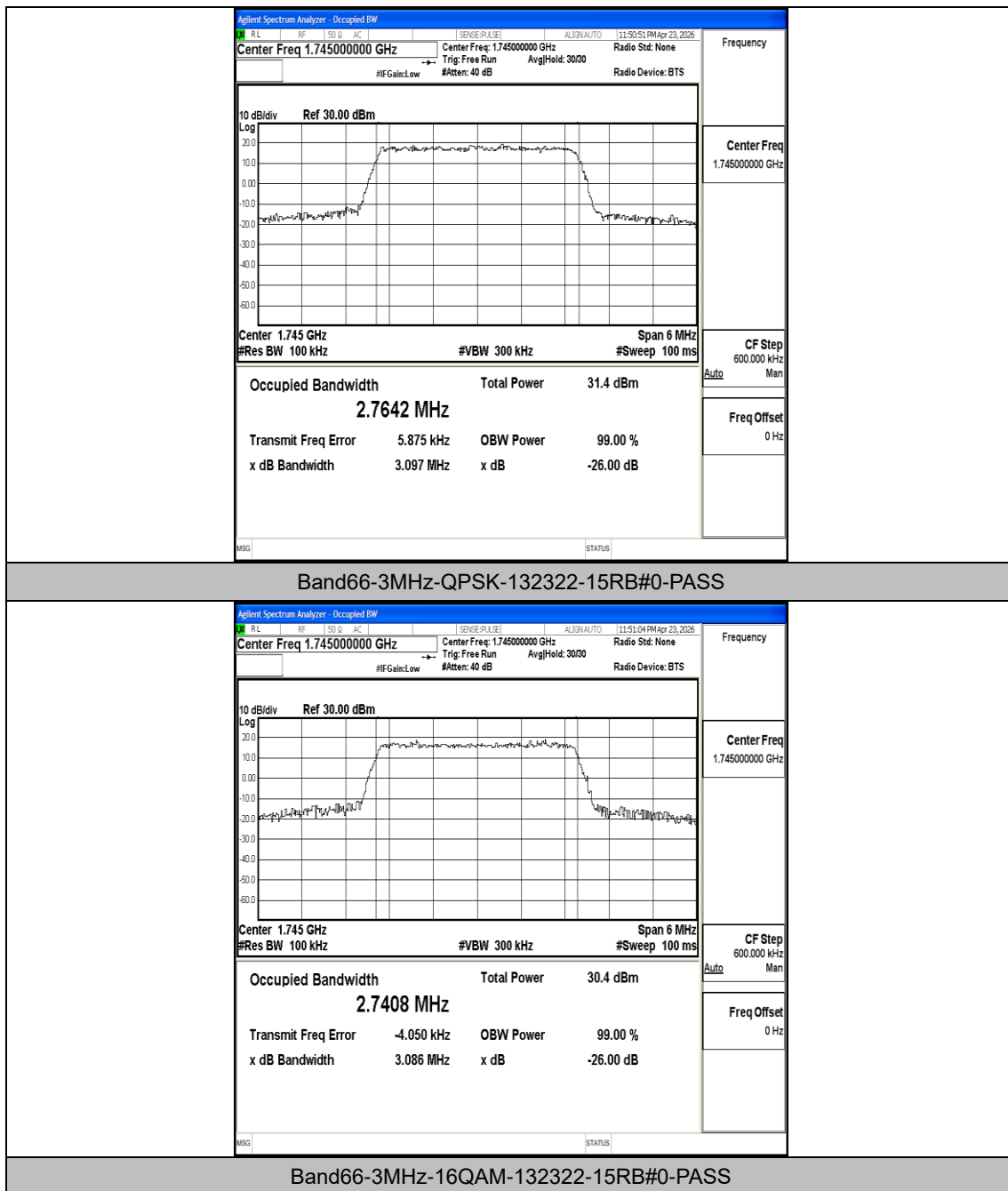
Test Graphs

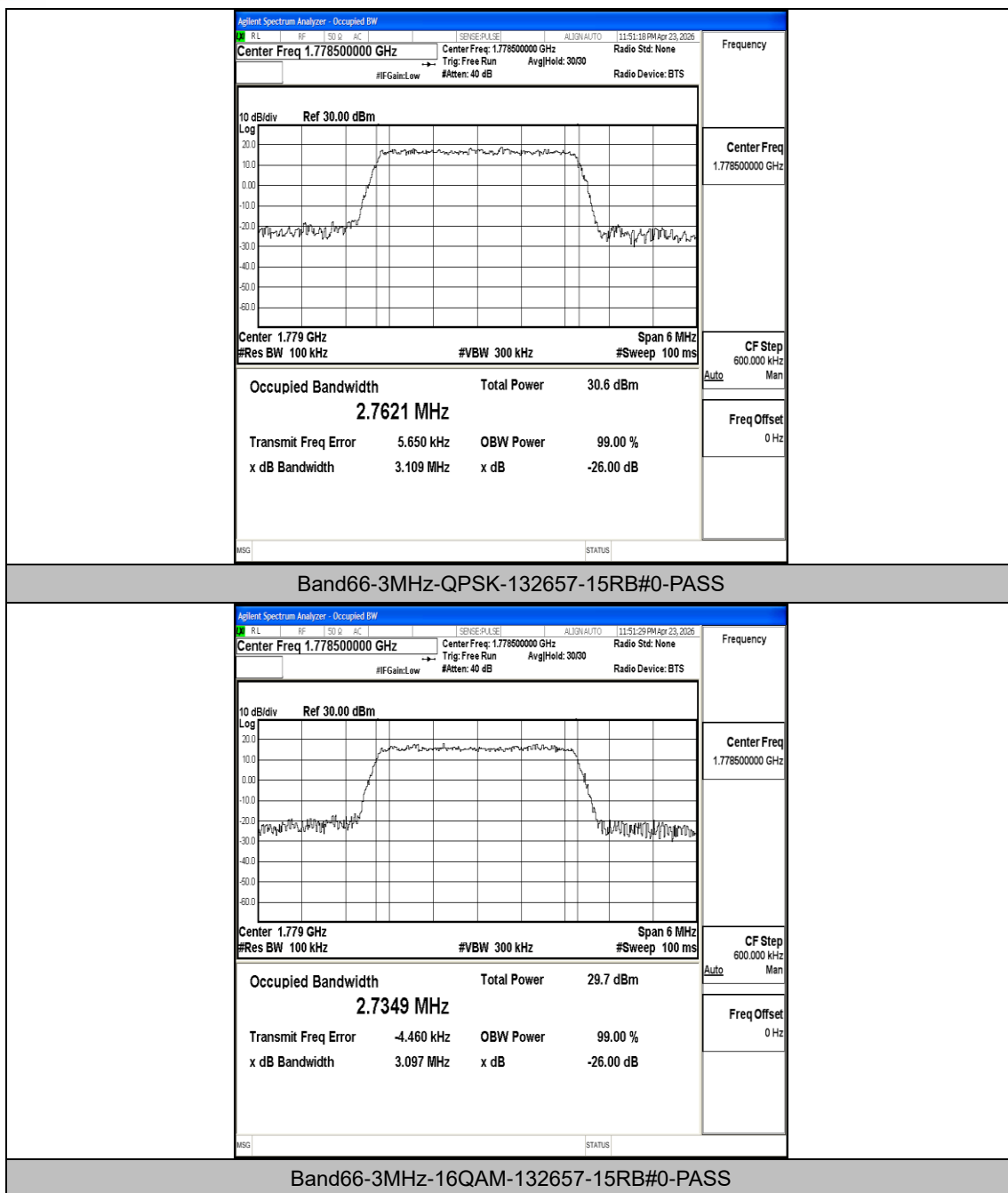


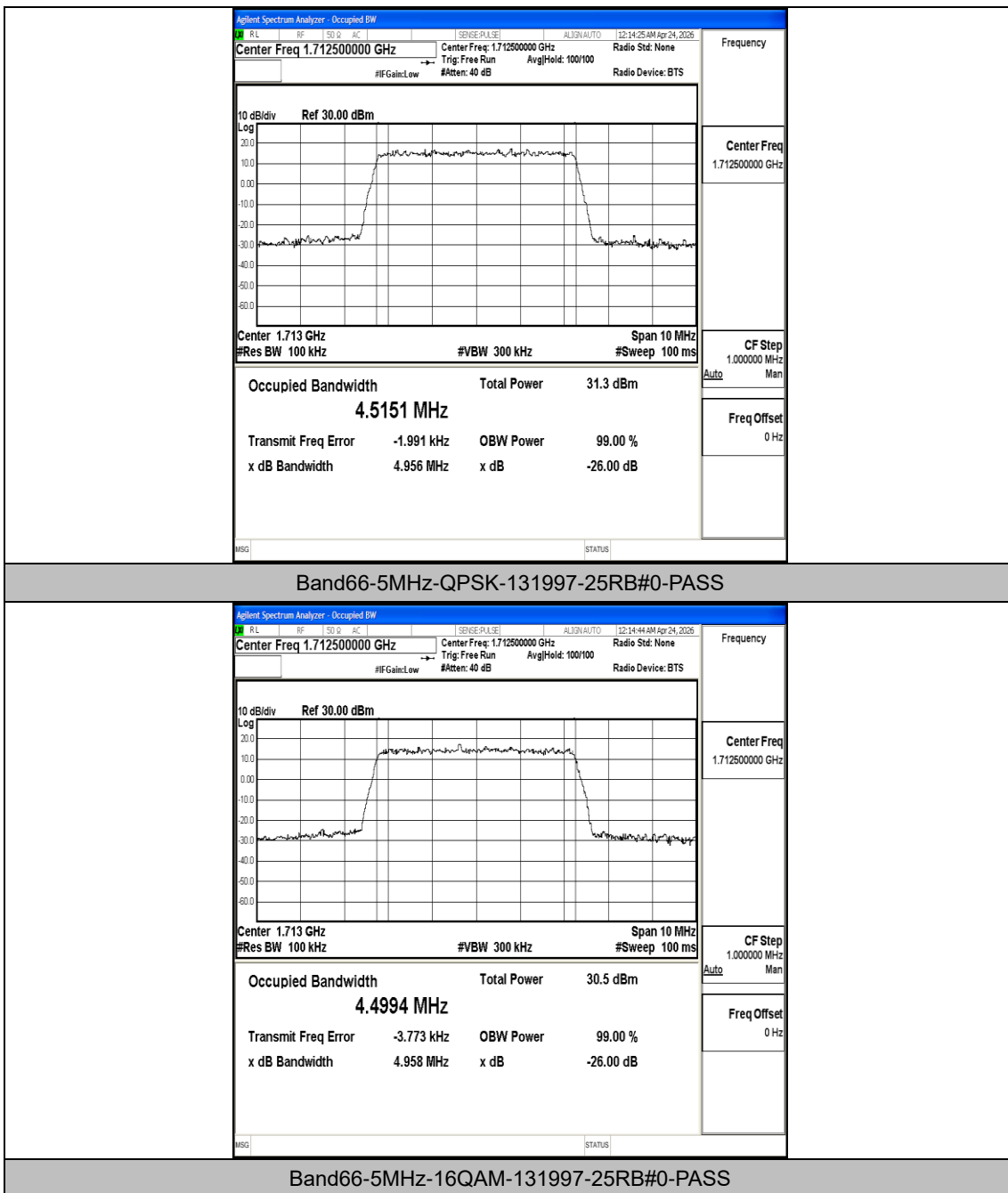


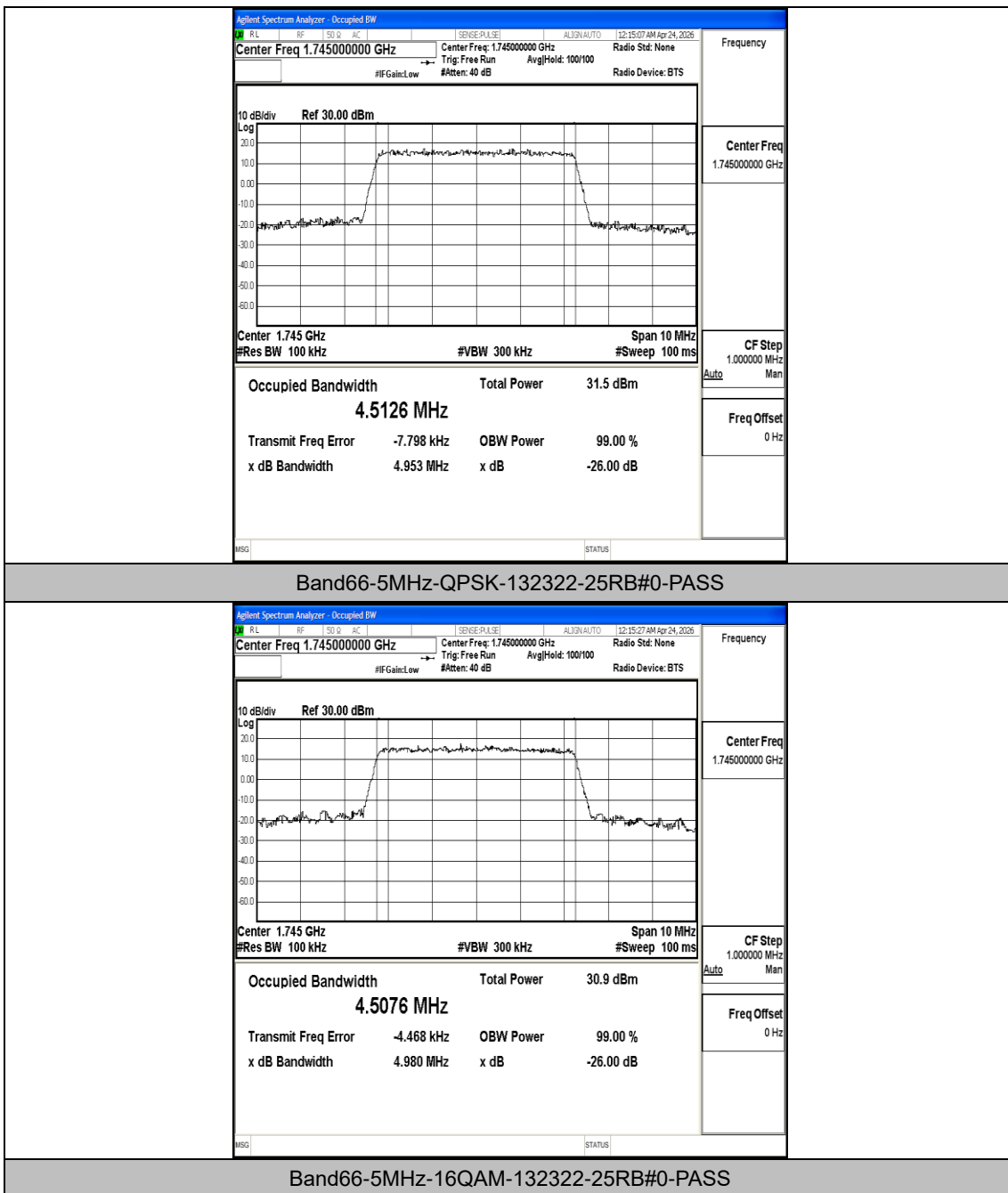


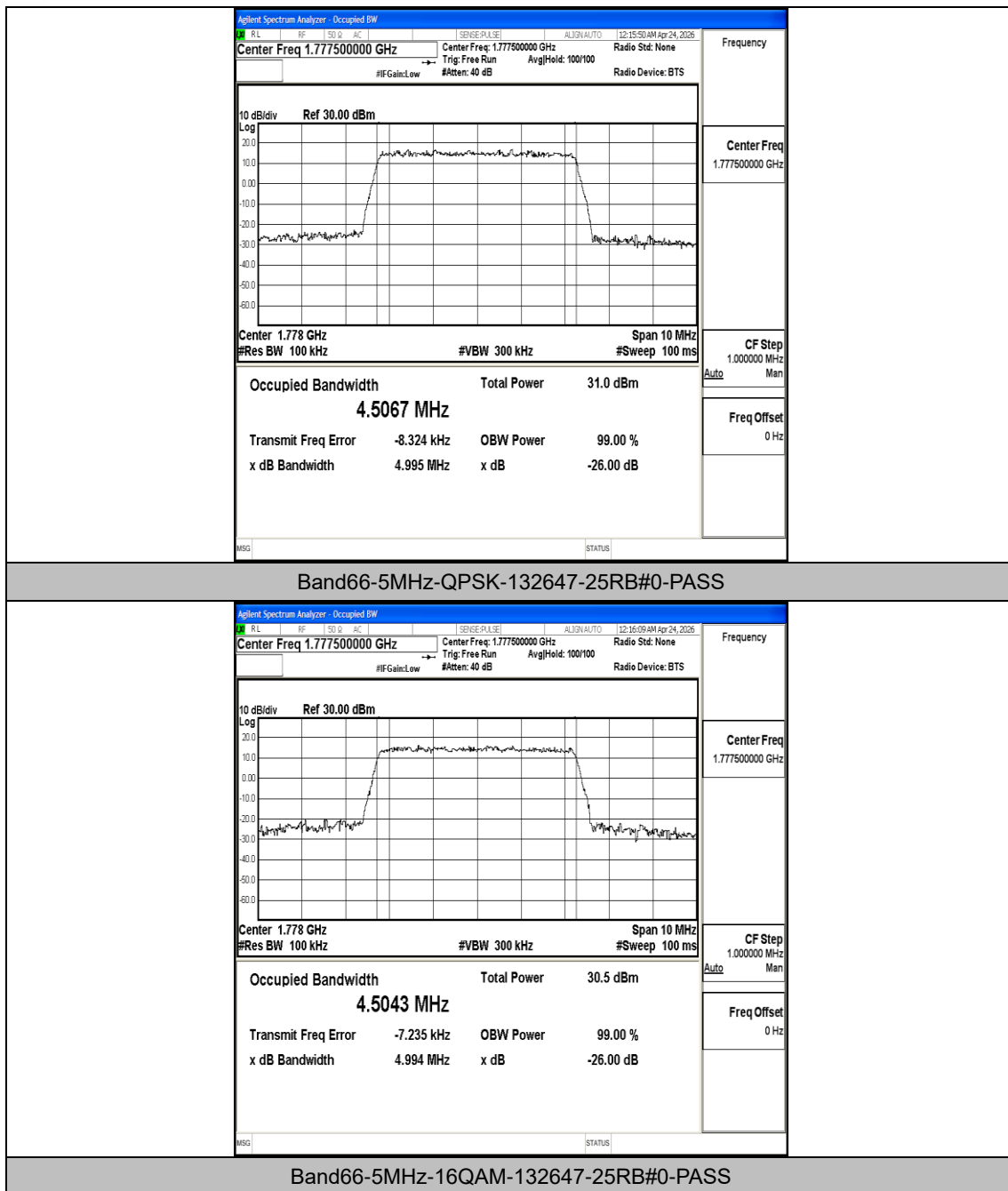


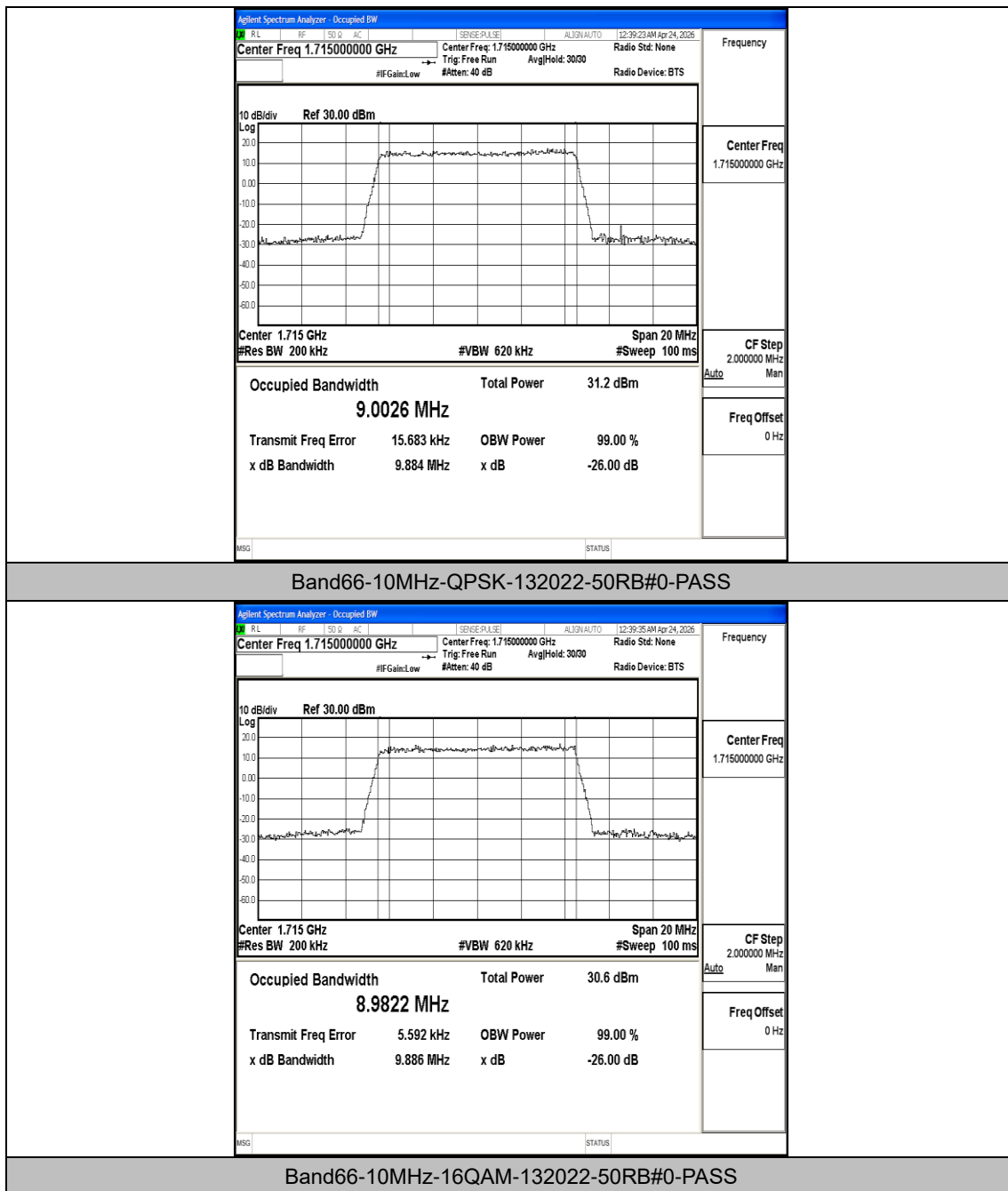


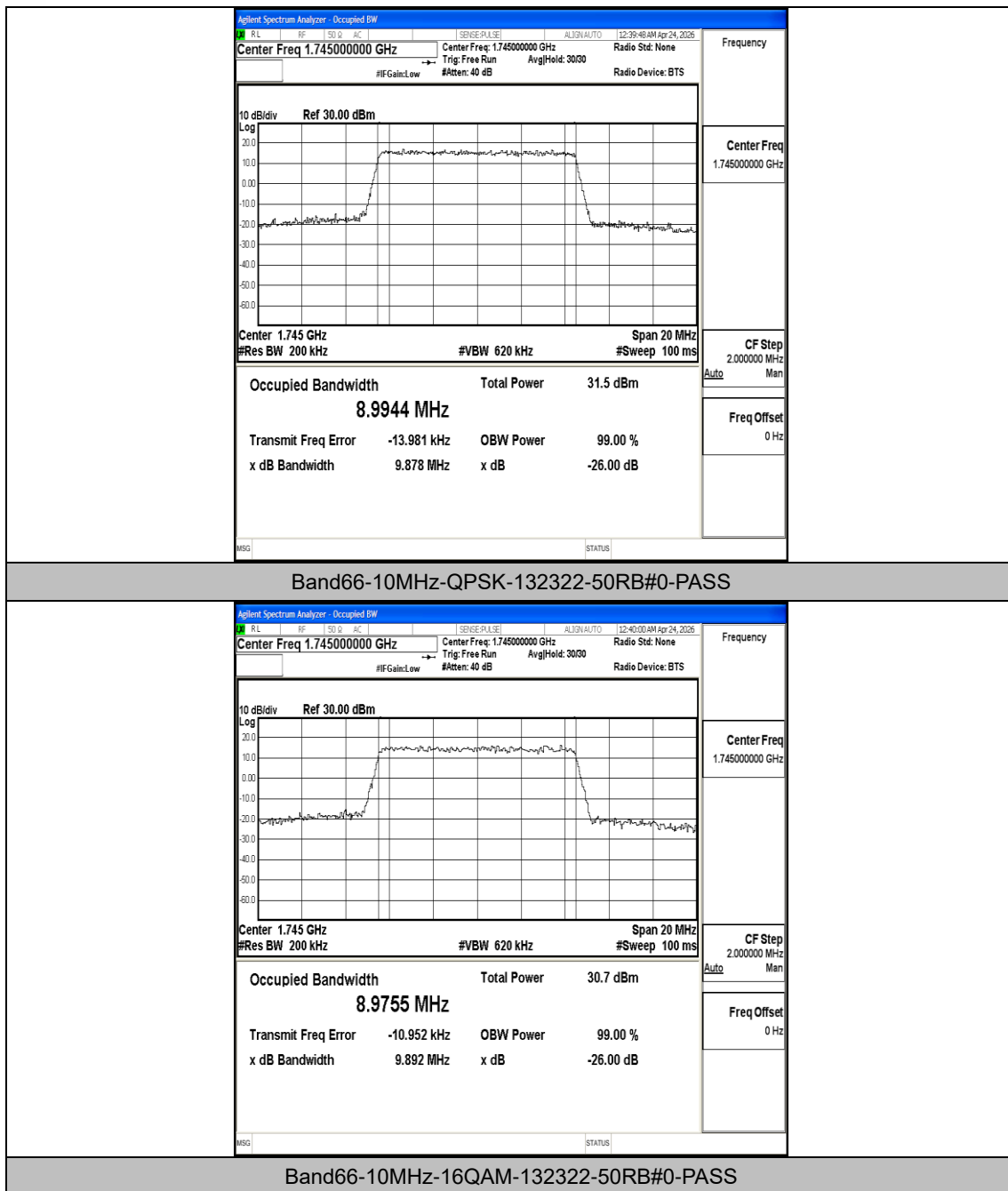


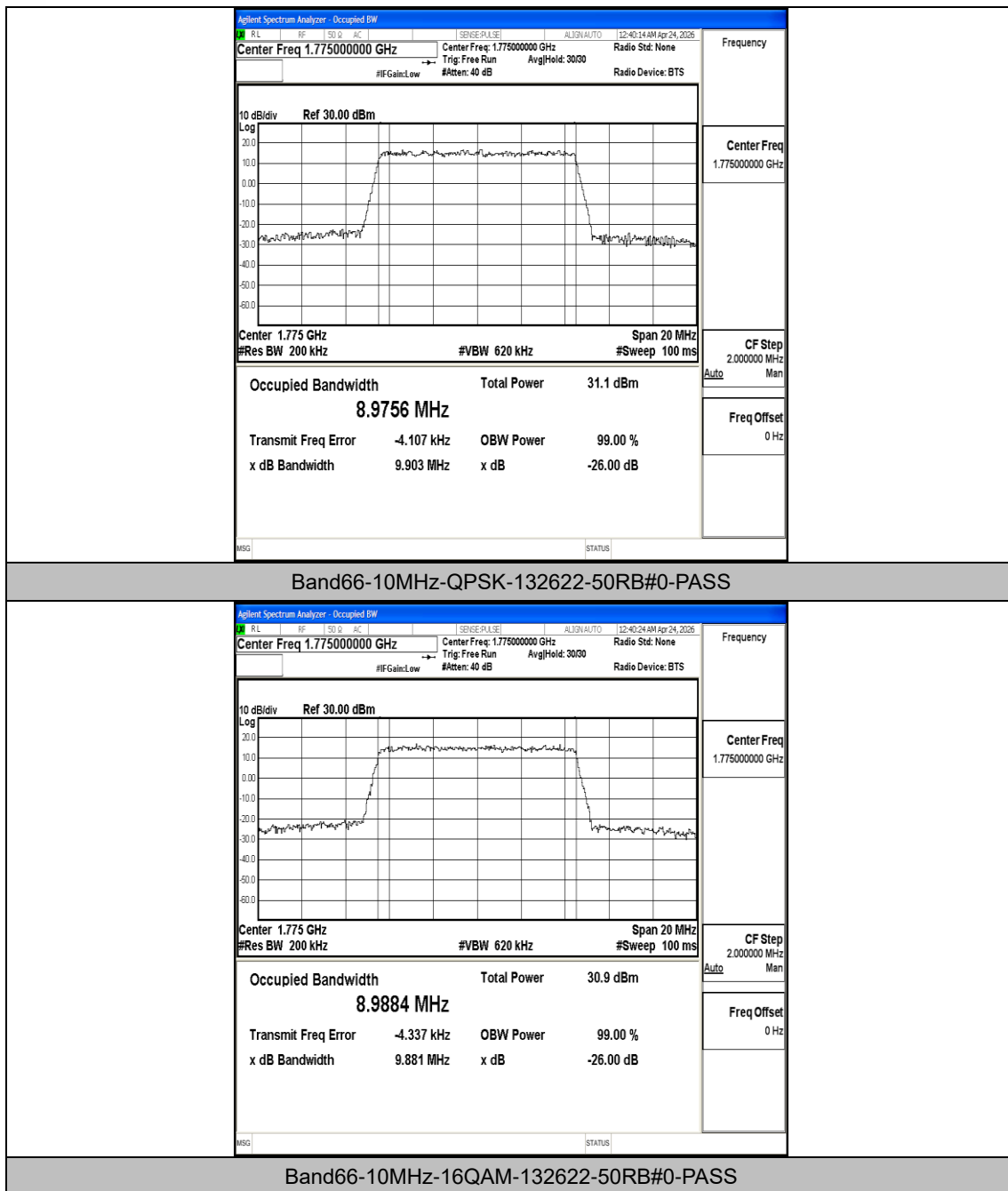


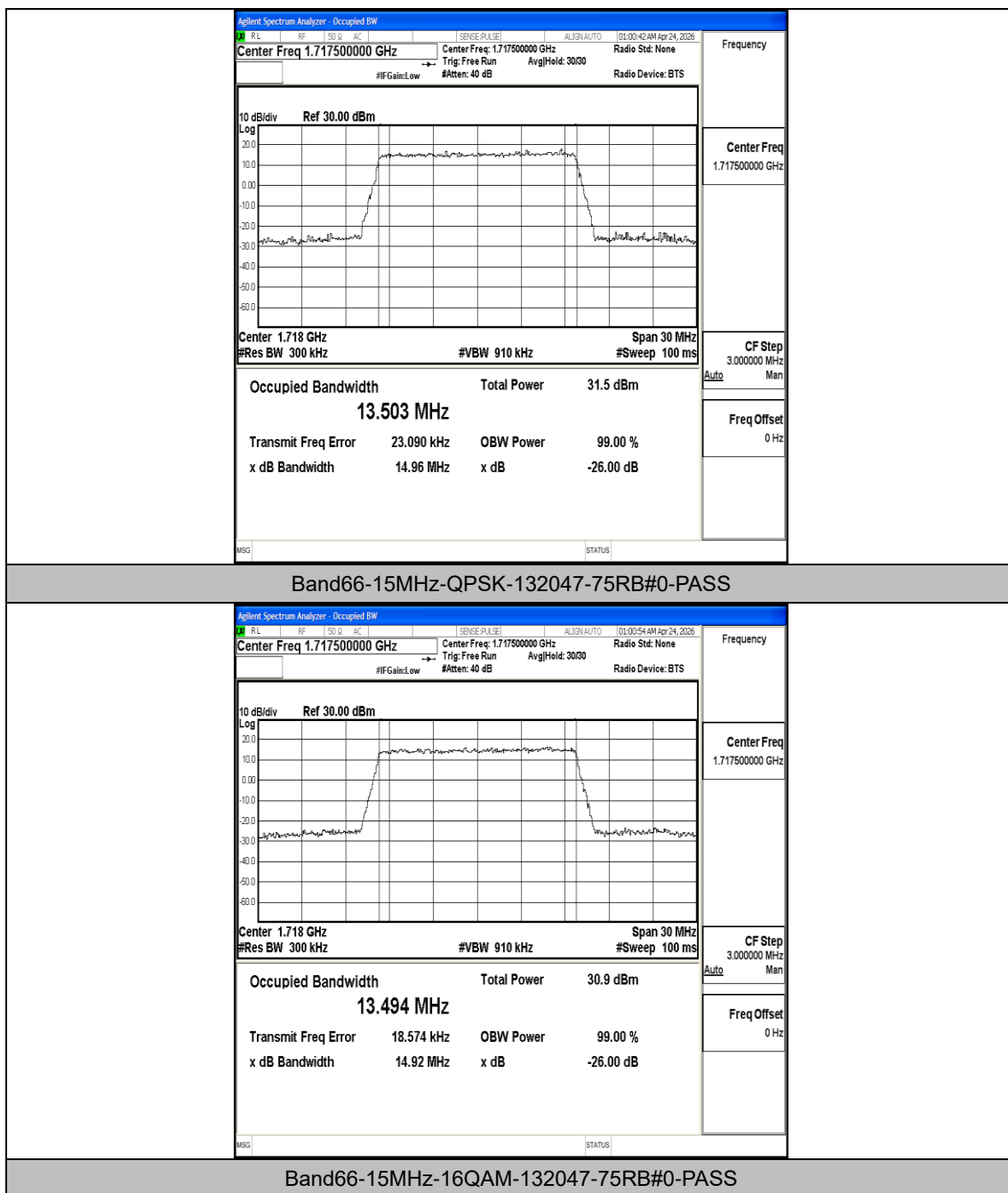


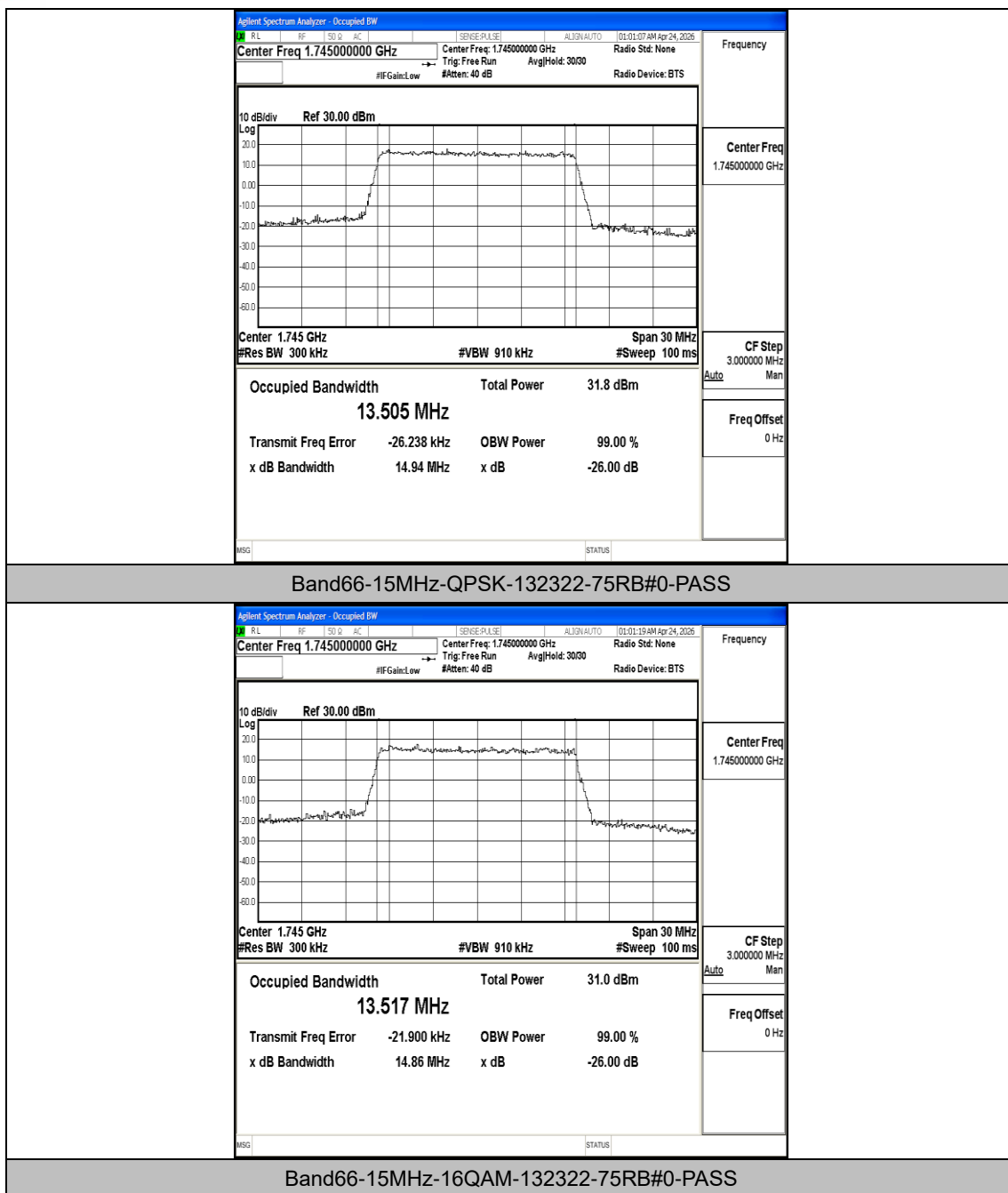


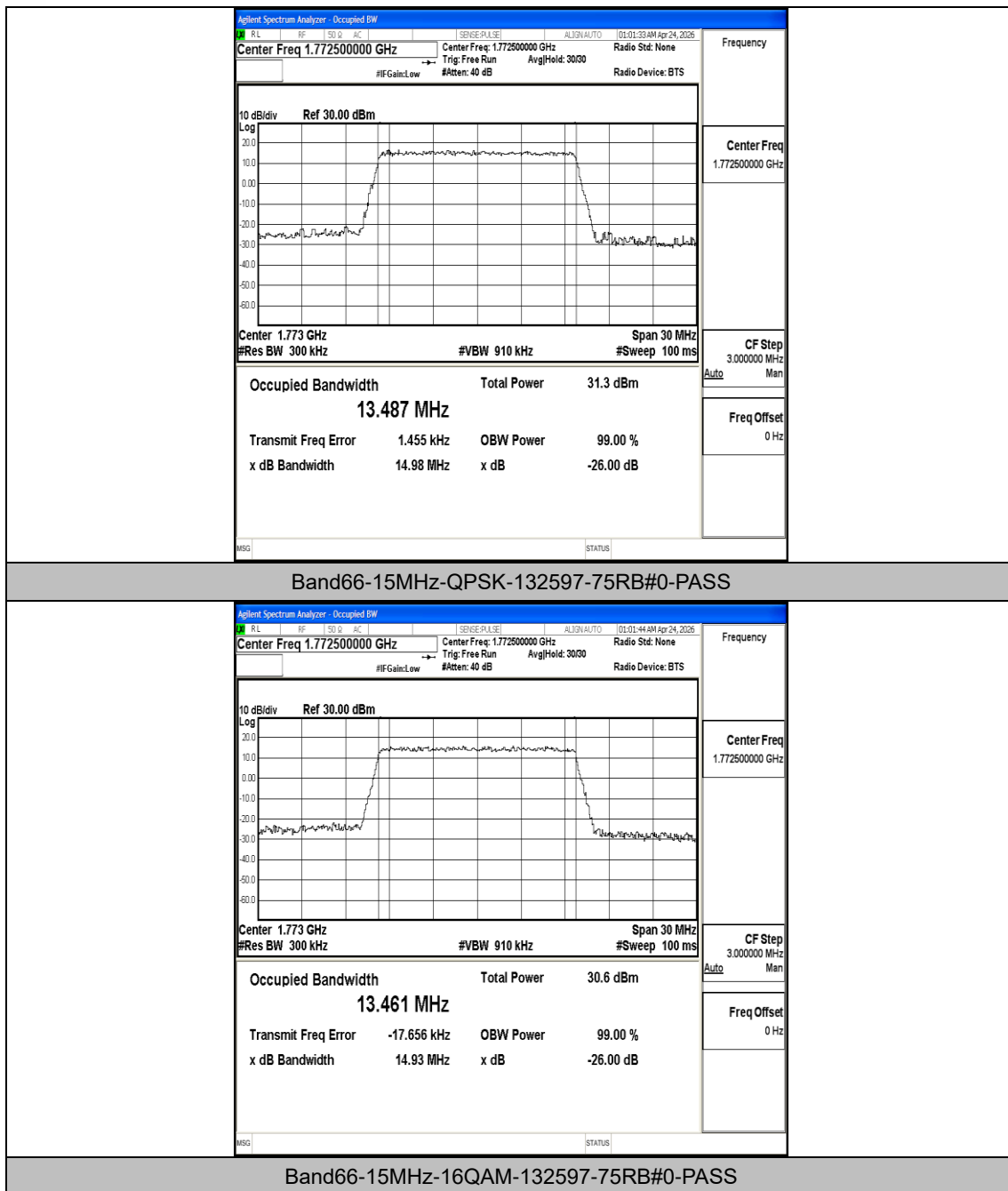


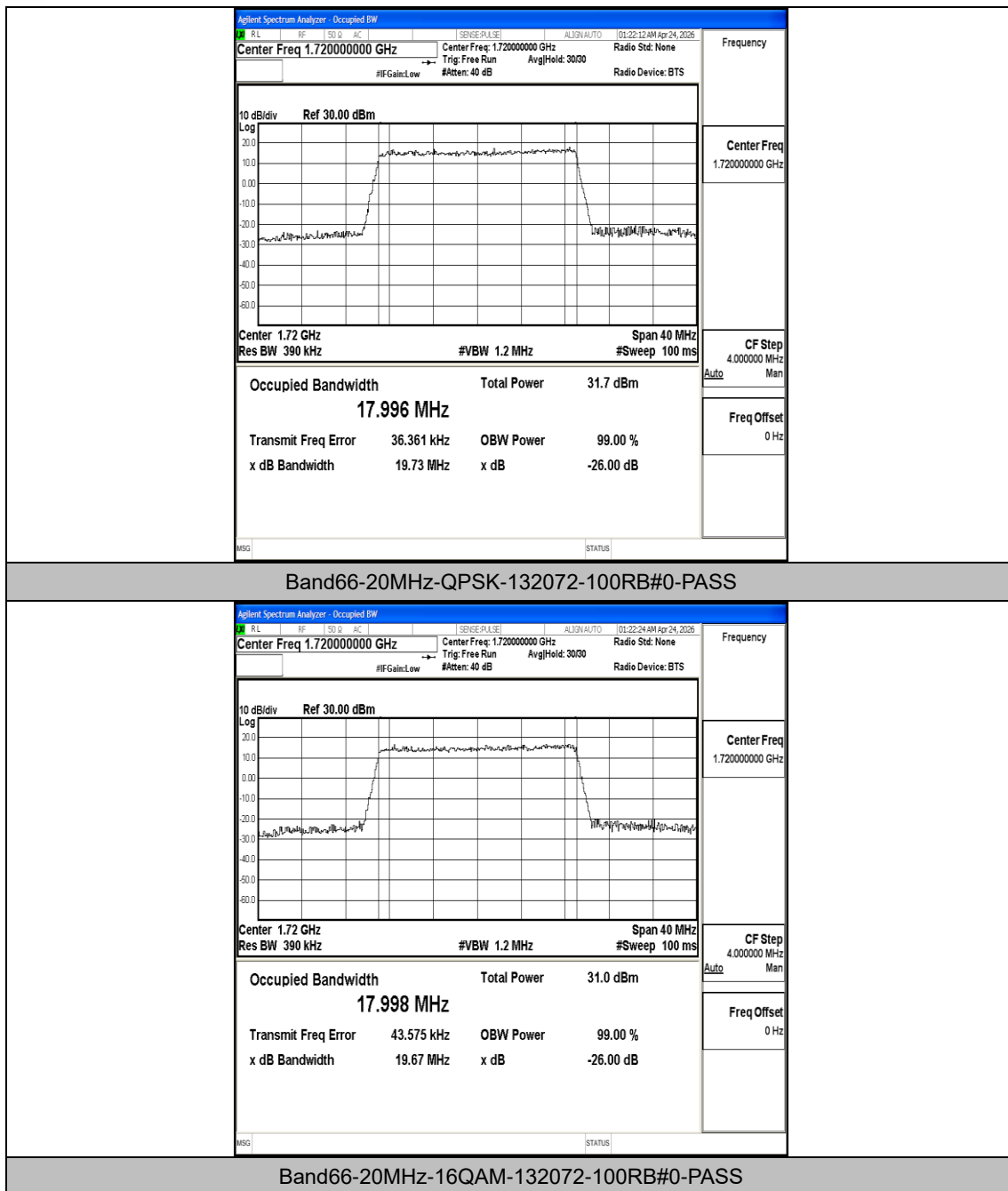


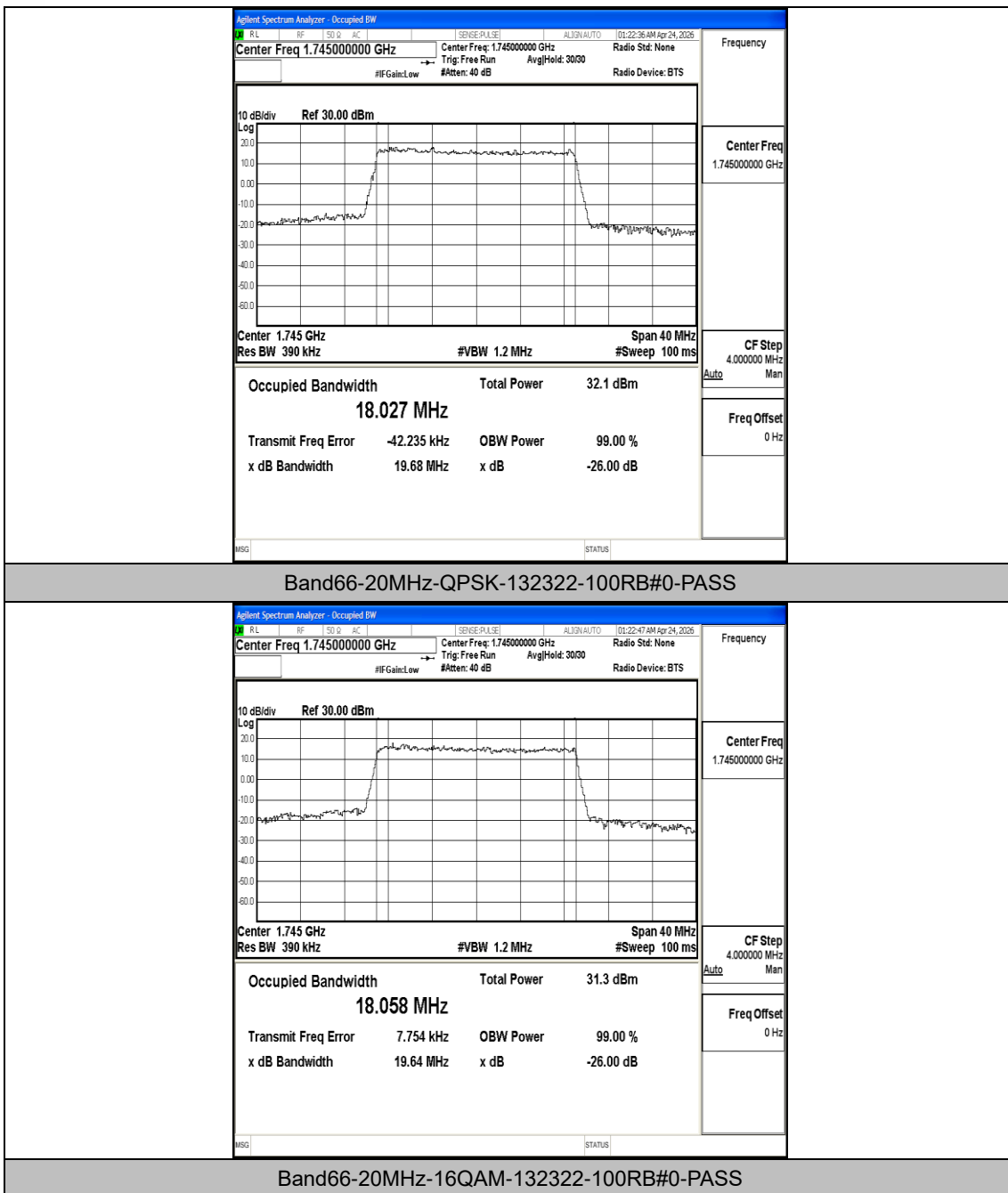


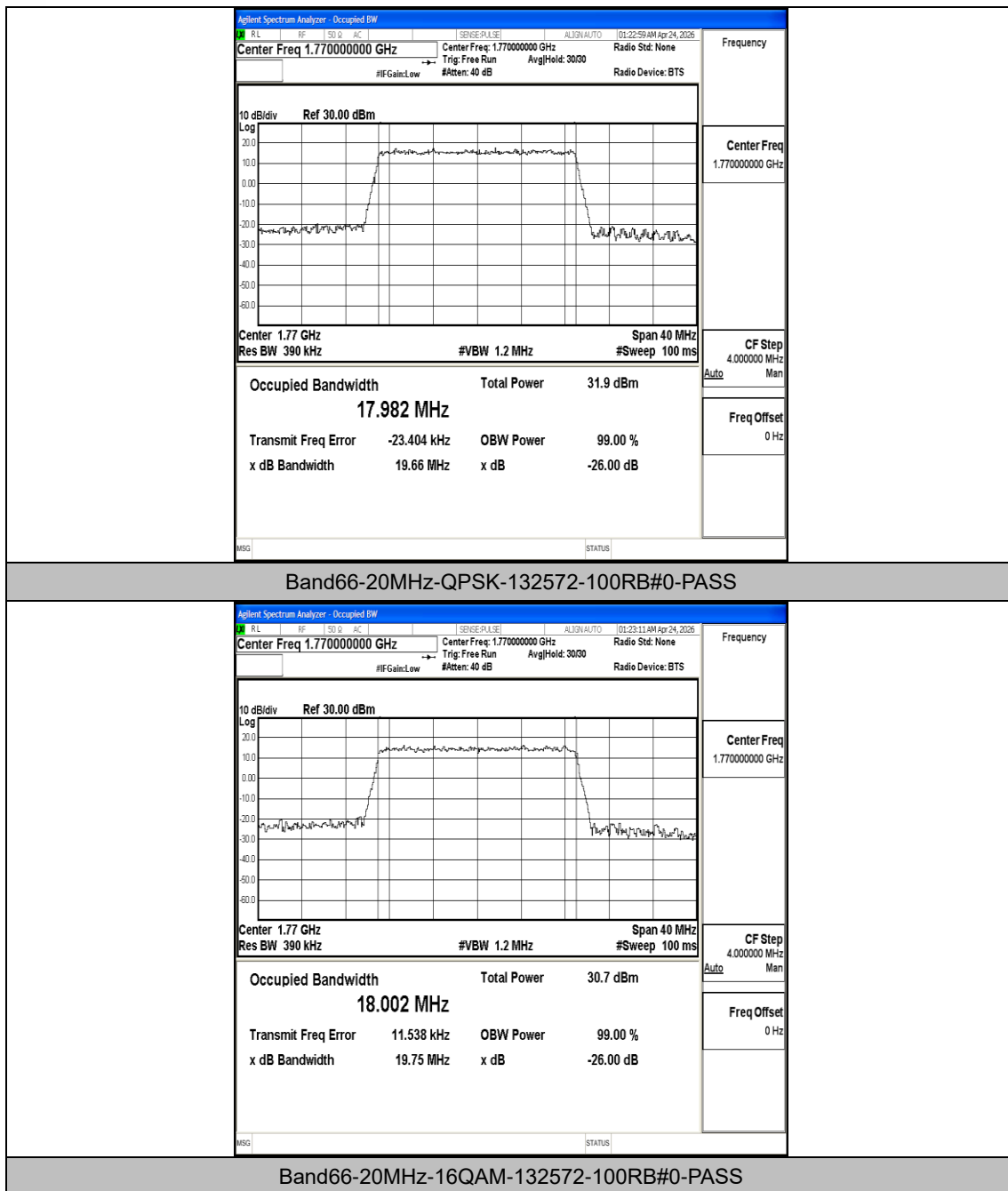












3 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1710.00	-21.54	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1709.99	-23.71	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1780.00	-24.40	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1780.01	-25.04	PASS
Band66	3MHz	QPSK	131987	15RB#0	1710.00	-17.10	PASS
Band66	3MHz	16QAM	131987	15RB#0	1710.00	-19.95	PASS
Band66	3MHz	QPSK	132657	15RB#0	1780.00	-18.38	PASS
Band66	3MHz	16QAM	132657	15RB#0	1780.01	-19.28	PASS
Band66	5MHz	QPSK	131997	25RB#0	1710.00	-15.43	PASS
Band66	5MHz	16QAM	131997	25RB#0	1709.99	-18.80	PASS
Band66	5MHz	QPSK	132647	25RB#0	1780.02	-18.51	PASS
Band66	5MHz	16QAM	132647	25RB#0	1780.03	-20.40	PASS
Band66	10MHz	QPSK	132022	50RB#0	1709.99	-18.88	PASS
Band66	10MHz	16QAM	132022	50RB#0	1709.99	-20.95	PASS
Band66	10MHz	QPSK	132622	50RB#0	1780.05	-21.32	PASS
Band66	10MHz	16QAM	132622	50RB#0	1780.01	-20.23	PASS
Band66	15MHz	QPSK	132047	75RB#0	1709.98	-16.27	PASS
Band66	15MHz	16QAM	132047	75RB#0	1709.93	-18.21	PASS
Band66	15MHz	QPSK	132597	75RB#0	1780.02	-17.09	PASS
Band66	15MHz	16QAM	132597	75RB#0	1780.02	-18.55	PASS
Band66	20MHz	QPSK	132072	100RB#0	1709.97	-20.11	PASS
Band66	20MHz	16QAM	132072	100RB#0	1709.97	-20.35	PASS
Band66	20MHz	QPSK	132572	100RB#0	1780.03	-20.11	PASS
Band66	20MHz	16QAM	132572	100RB#0	1780.01	-20.51	PASS