



FCC Appendix RF Test Data for Band 2

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)

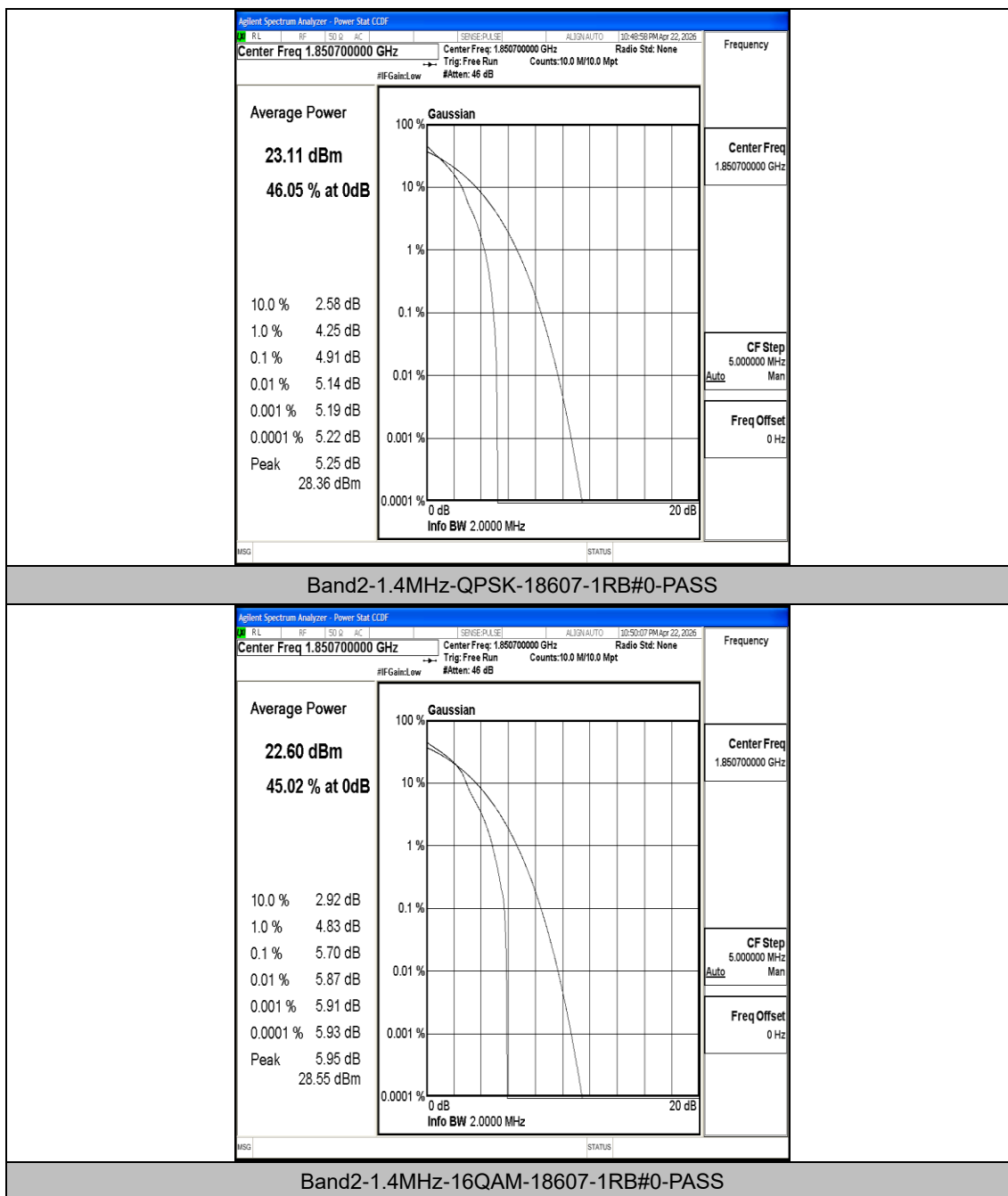
Test Result

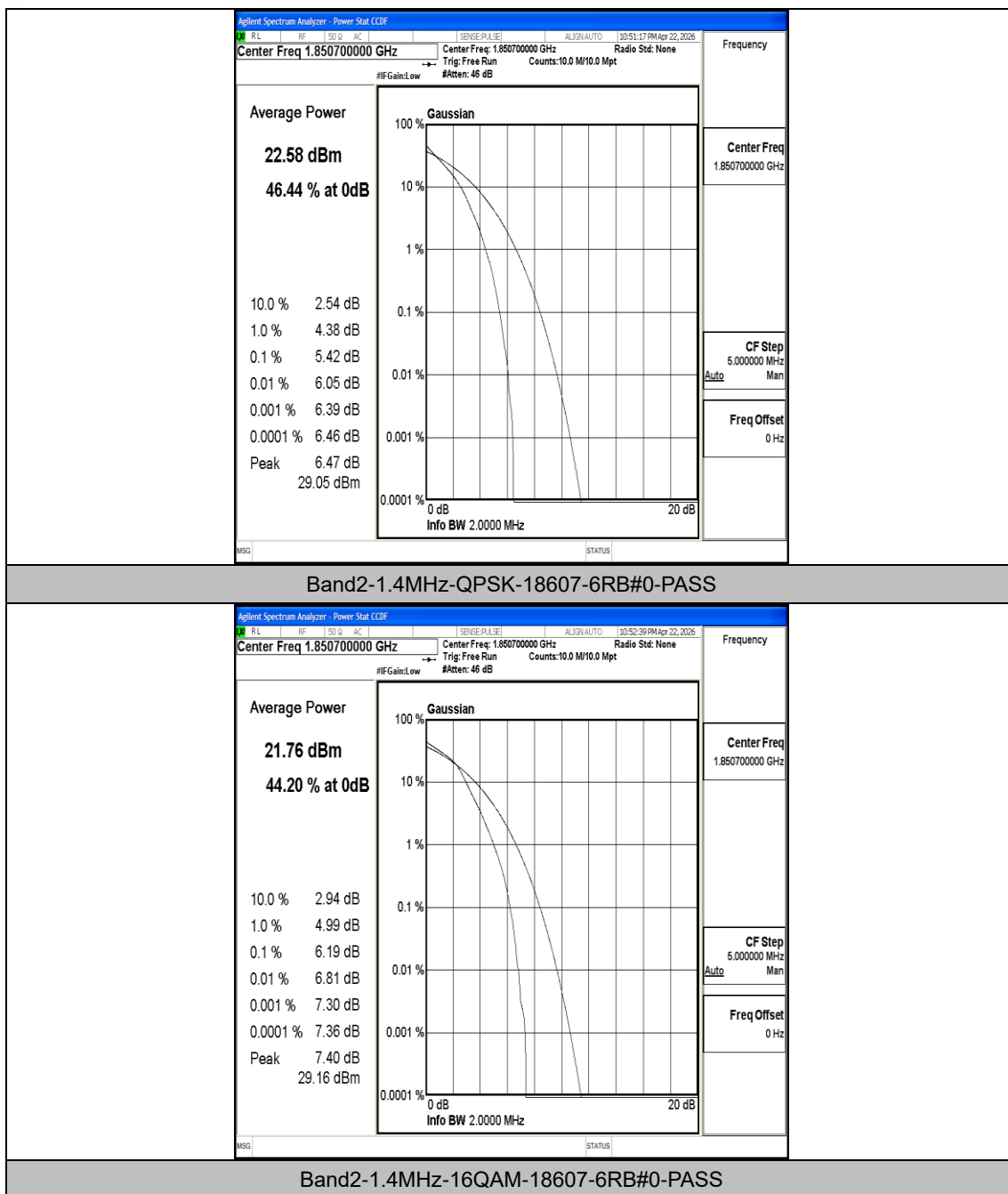
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	4.91	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	5.70	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.42	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.19	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	4.85	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.12	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.32	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.11	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.06	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	4.69	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	4.85	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.65	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	4.98	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	5.72	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.39	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.19	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	4.91	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.57	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.34	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.12	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.46	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.16	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	4.99	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.81	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	5.06	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	5.63	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.49	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.19	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	5.07	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	5.65	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.45	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.15	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	4.69	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.37	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.29	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.99	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	5.01	13	PASS

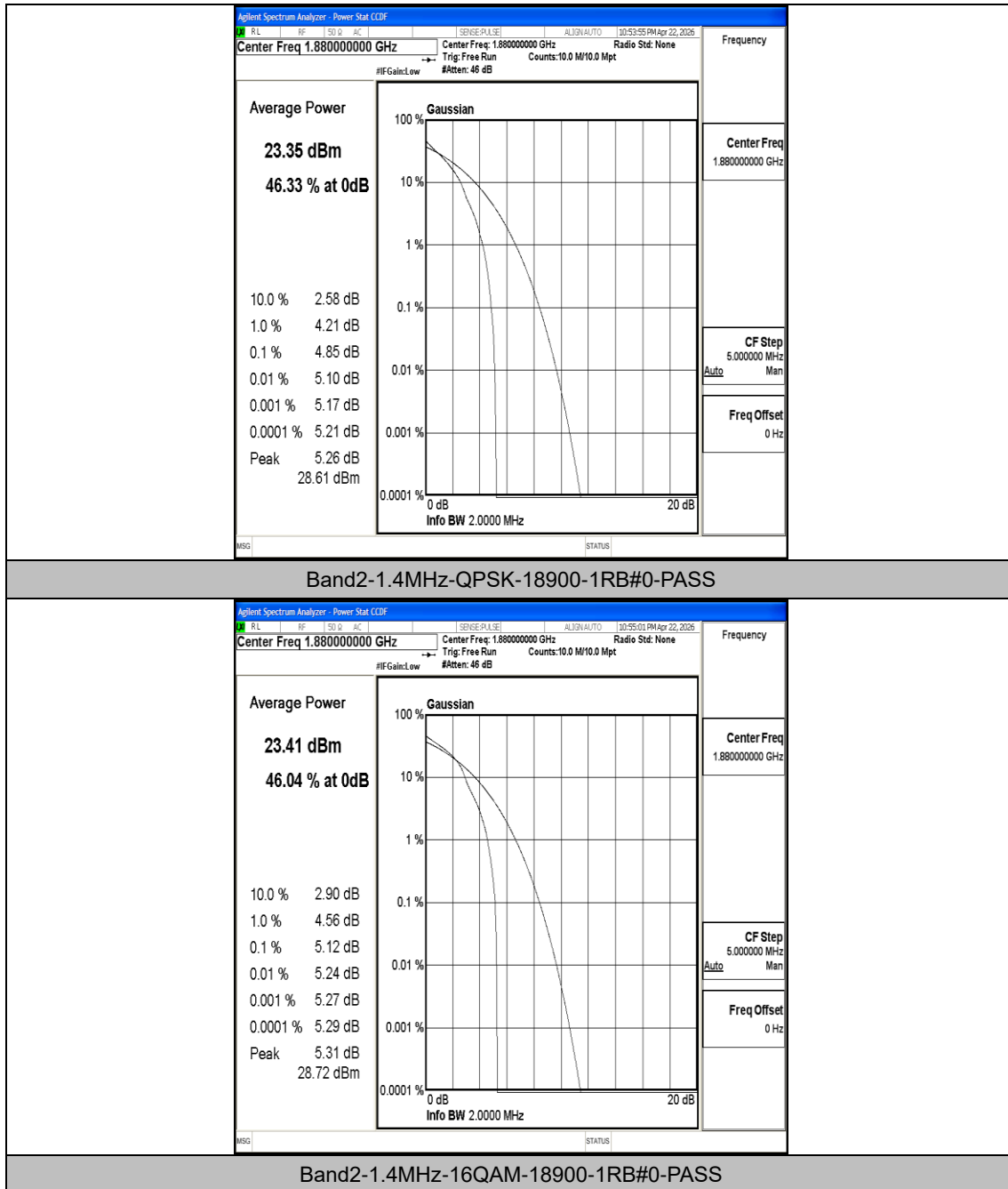


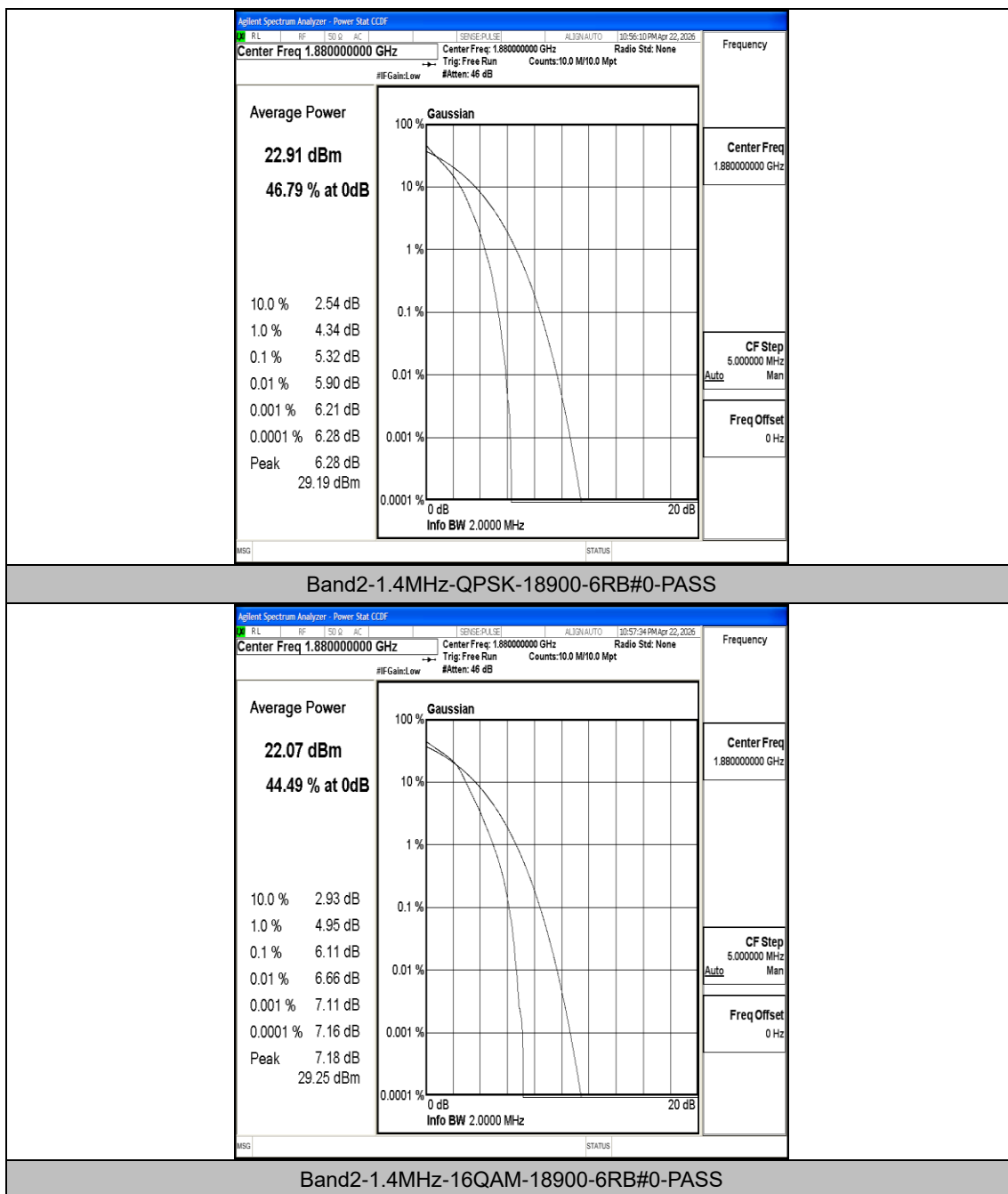
Band2	10MHz	16QAM	18650	1RB#0	5.53	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.51	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.15	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.99	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	5.54	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.49	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.22	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	4.87	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.57	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.40	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.12	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	5.01	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.55	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.75	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.29	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.96	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.45	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.75	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.28	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	4.66	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	5.35	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.56	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.11	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	4.81	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	5.46	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.52	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.29	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.86	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.27	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.54	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.28	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	4.82	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.45	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.42	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.19	13	PASS

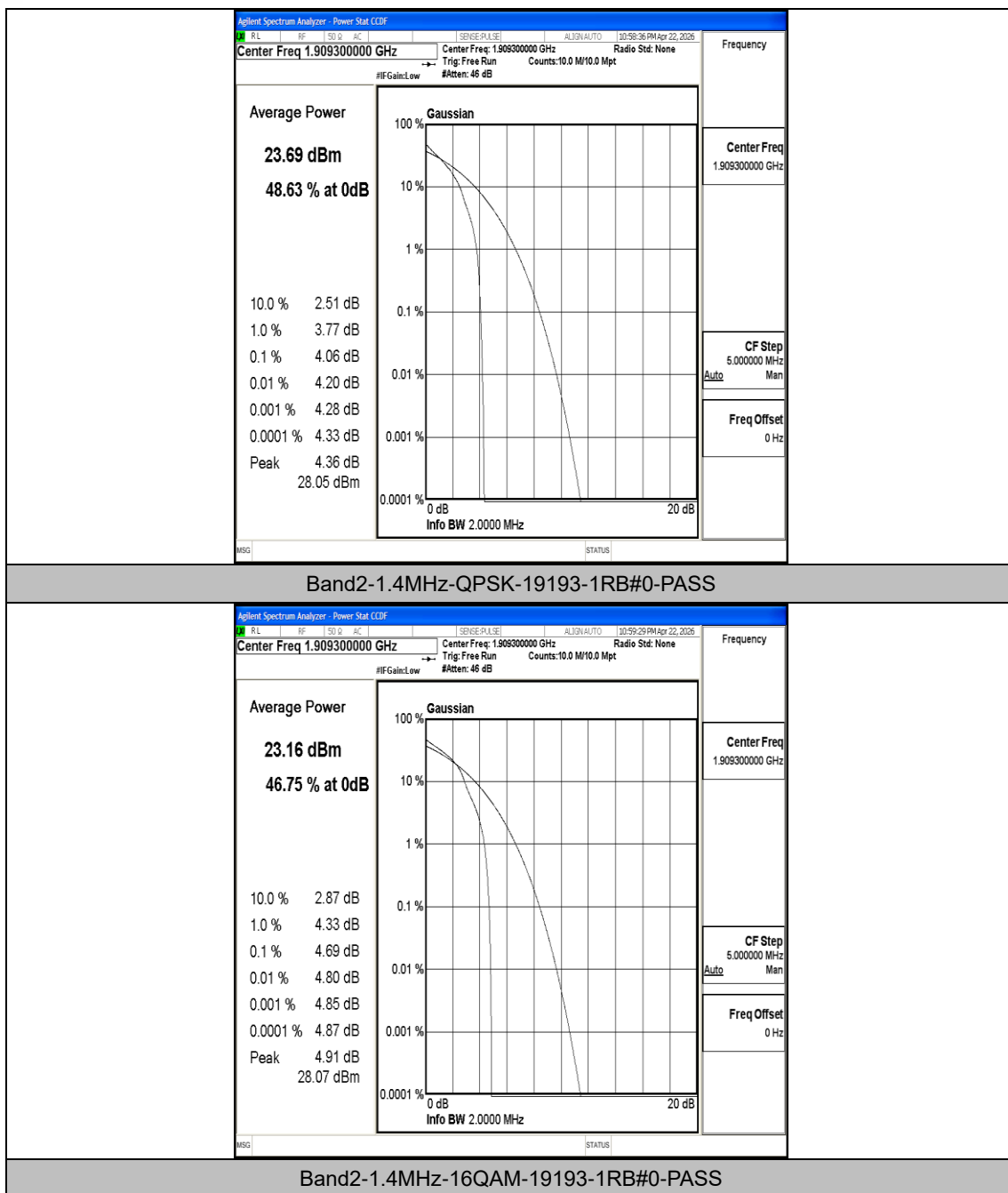
Test Graphs

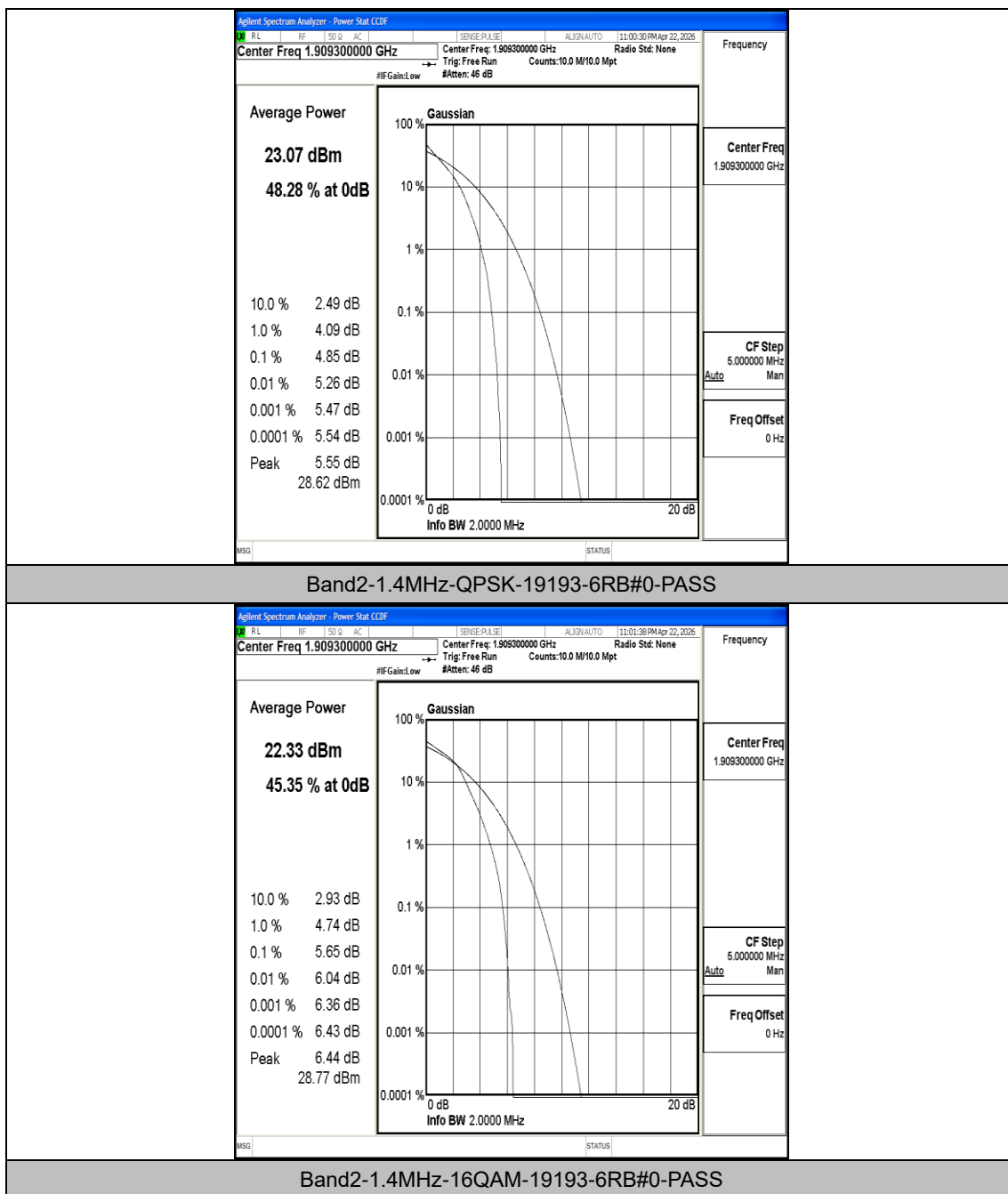


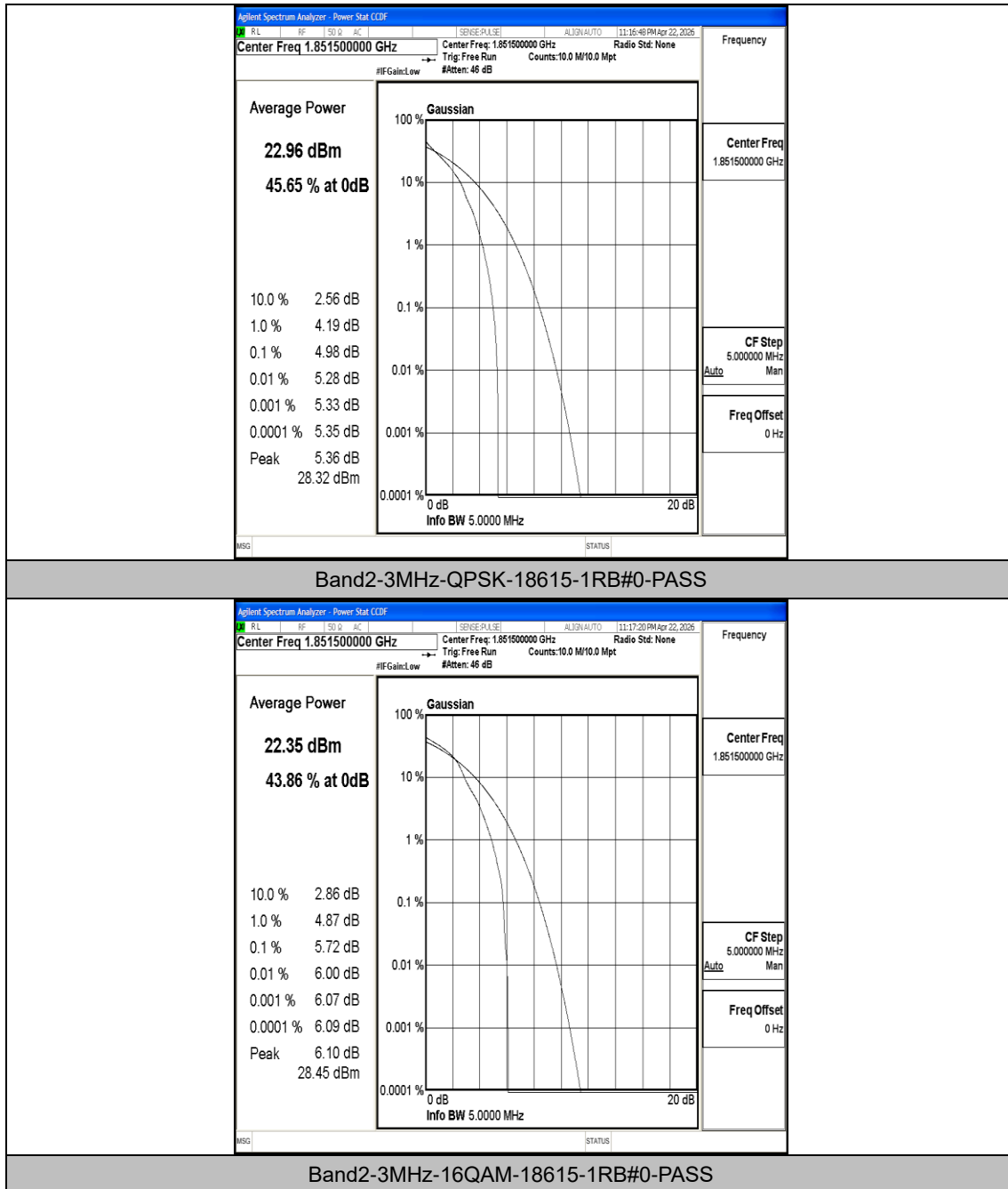


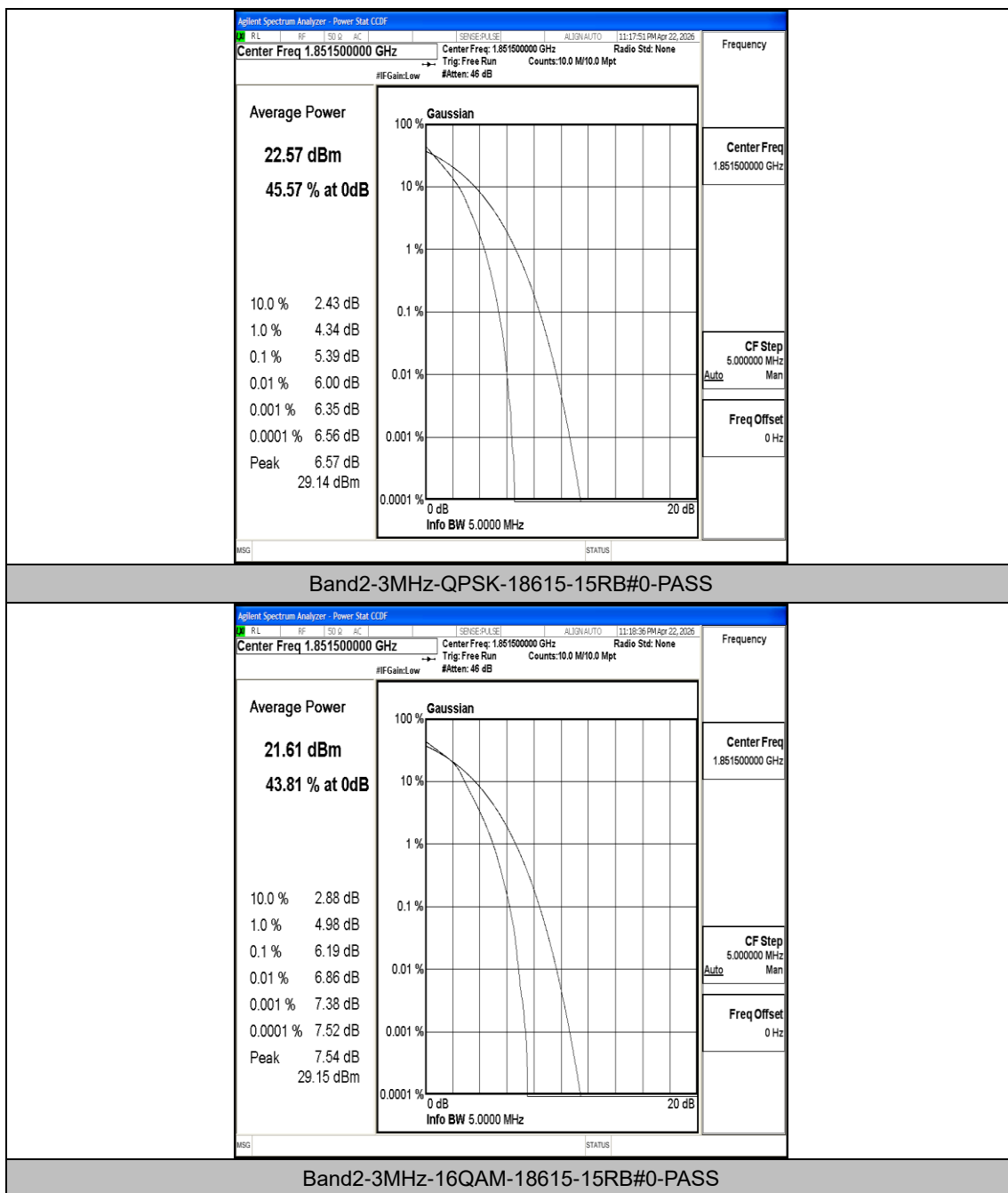


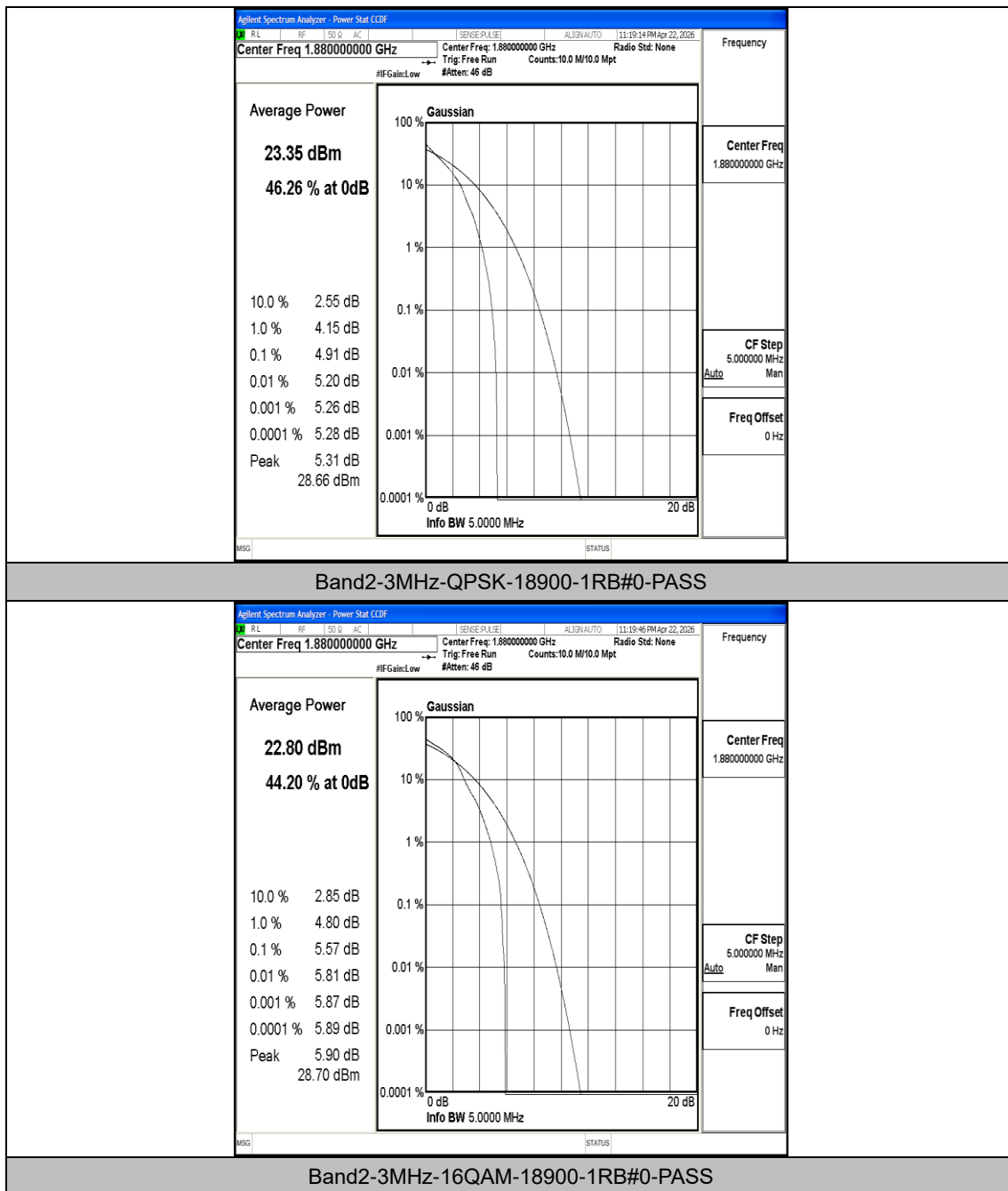


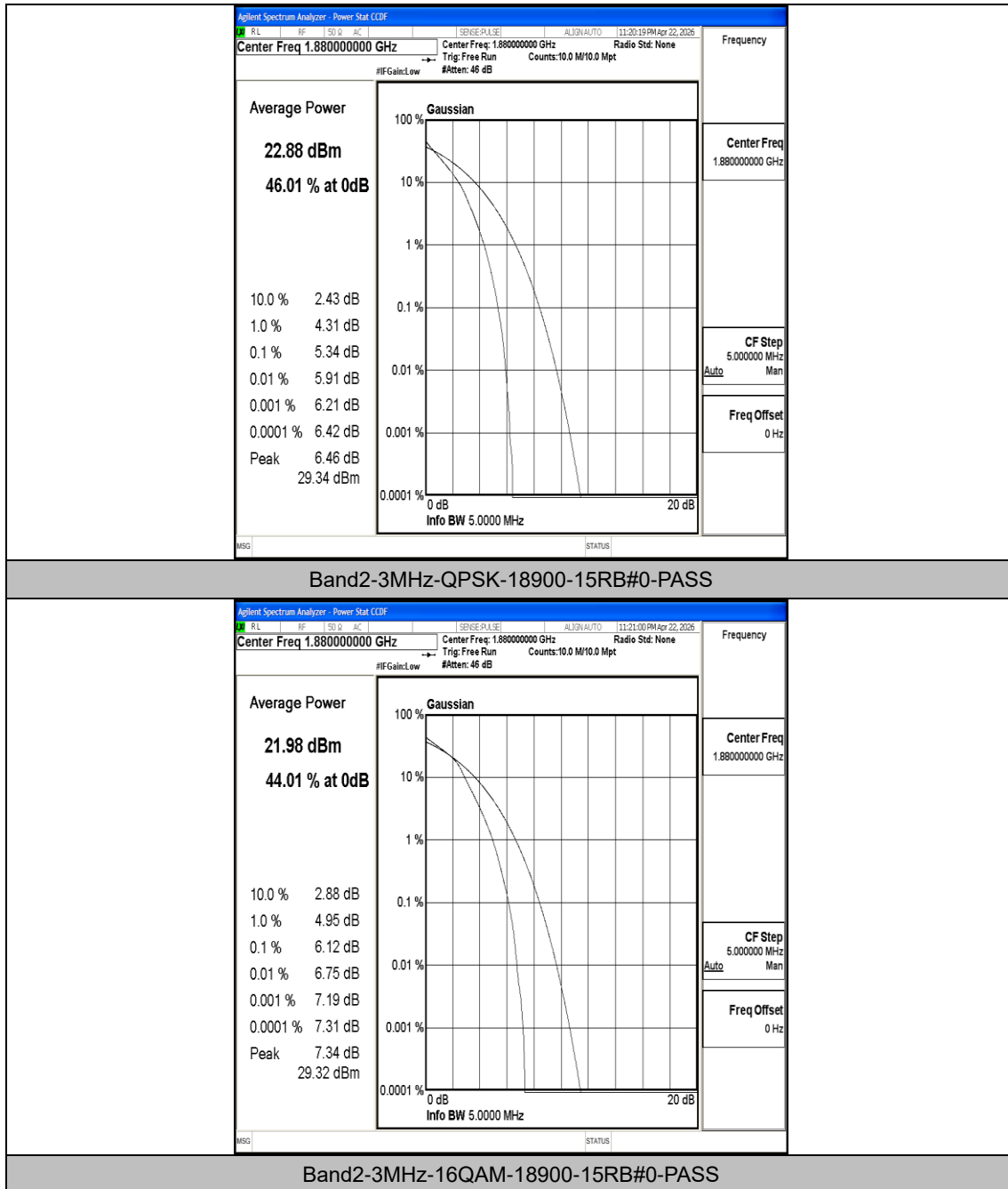


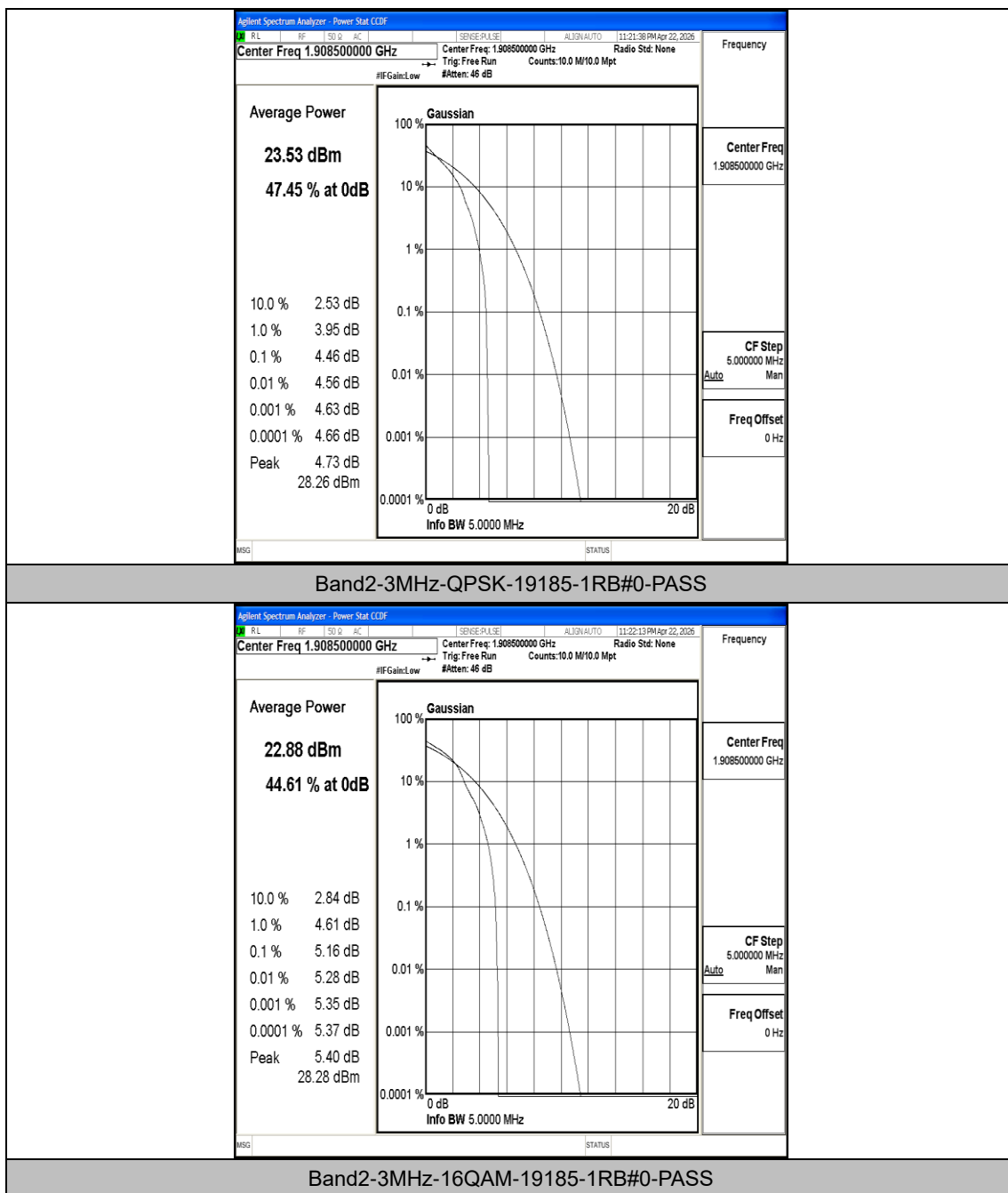


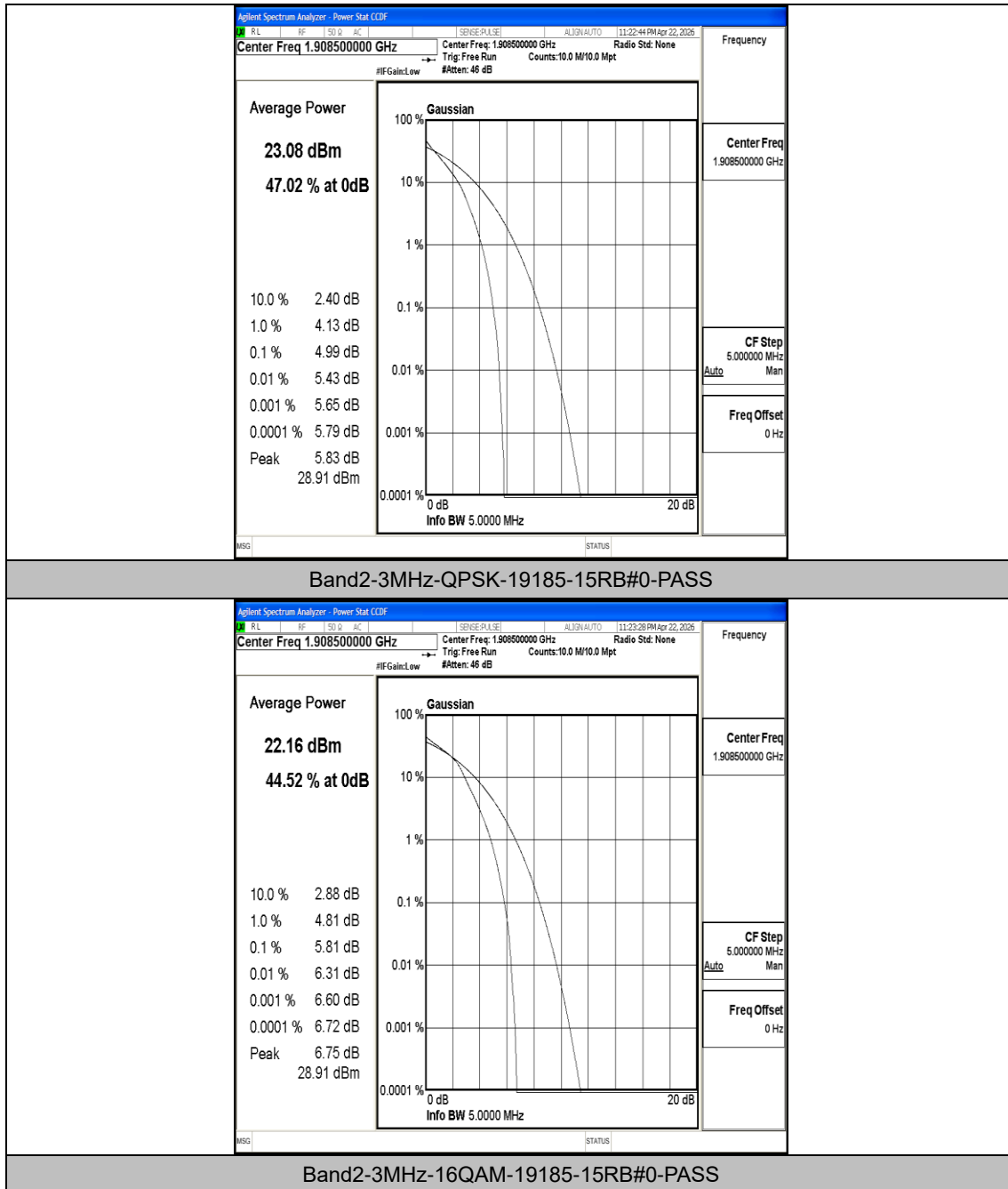


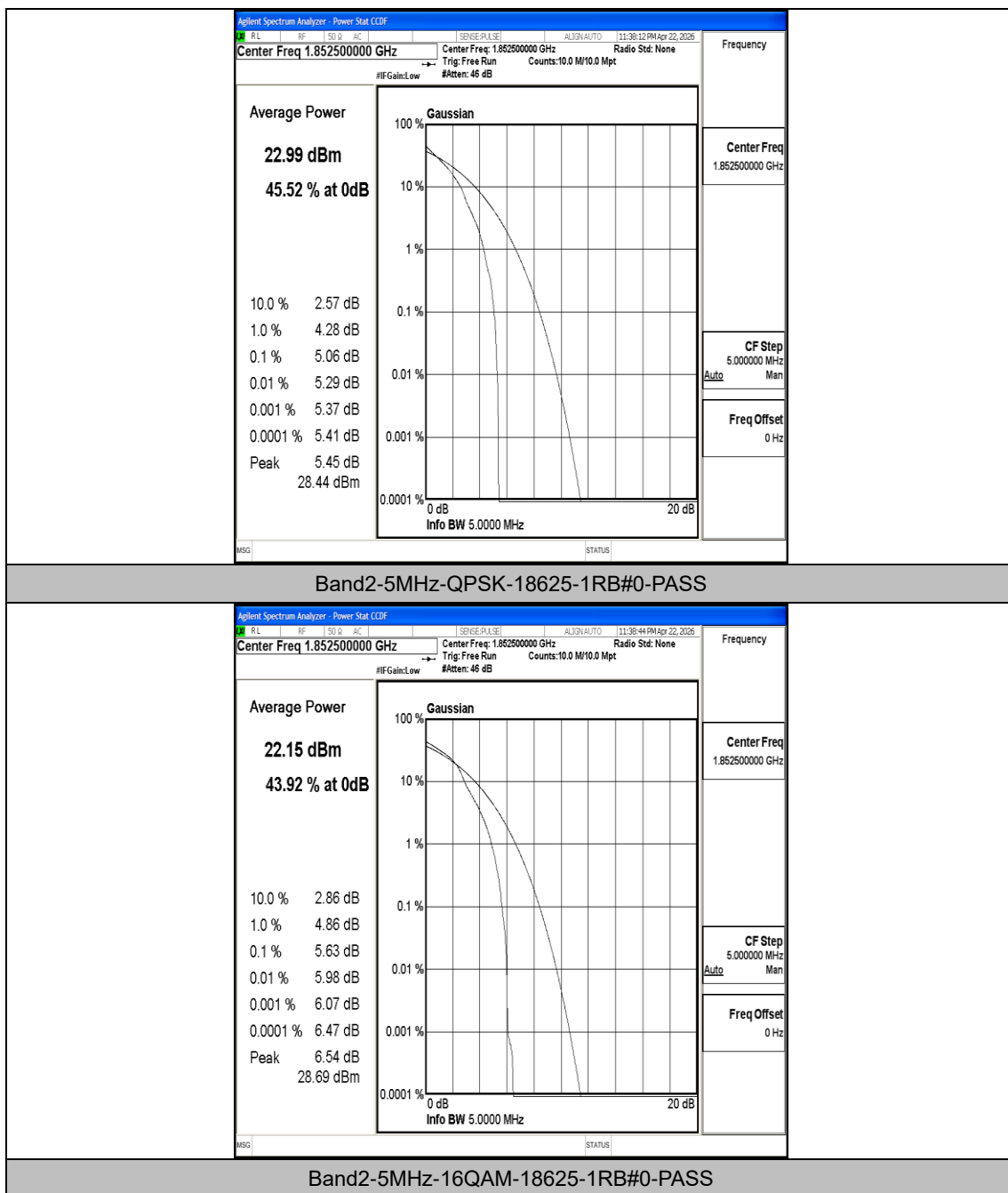


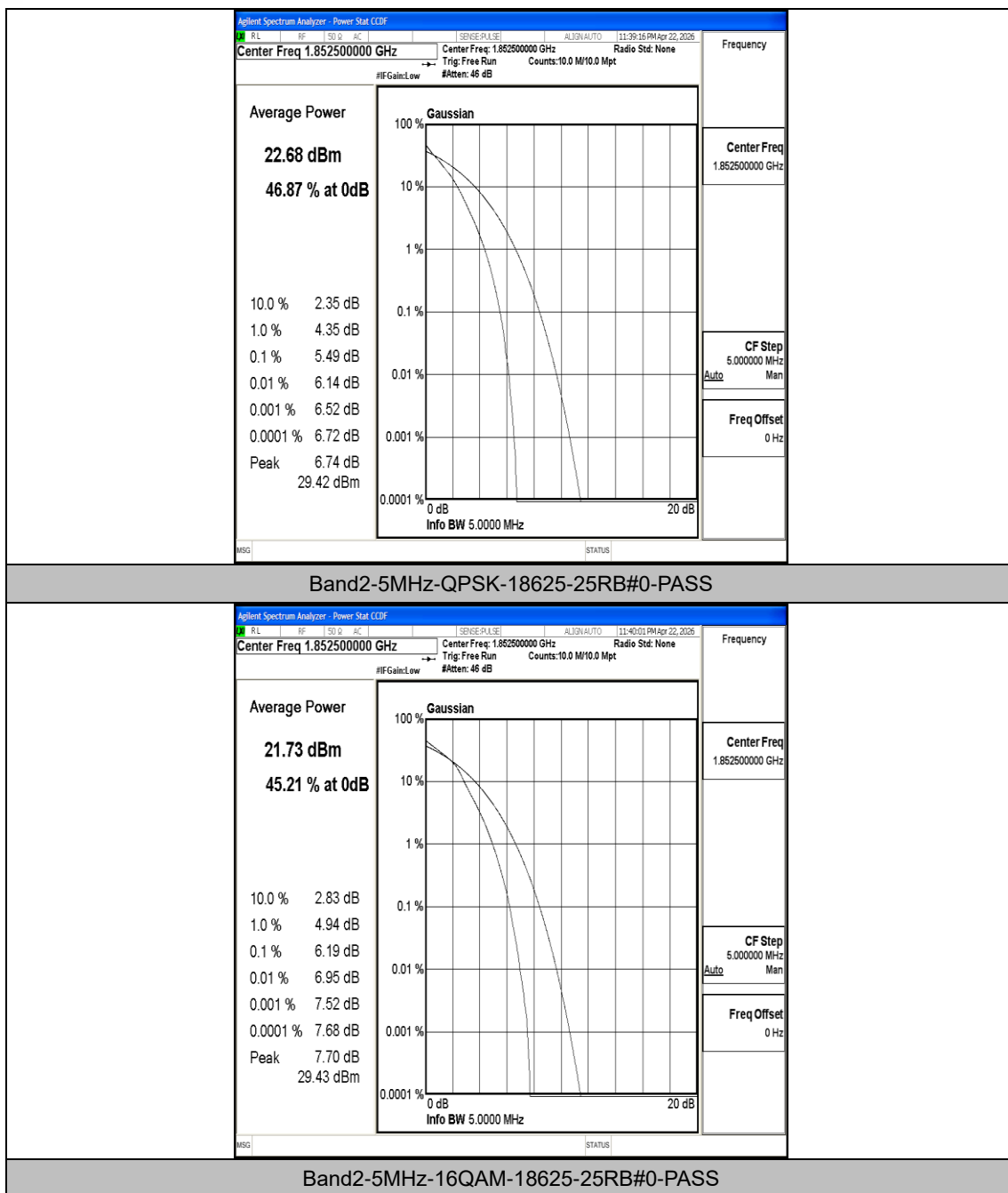


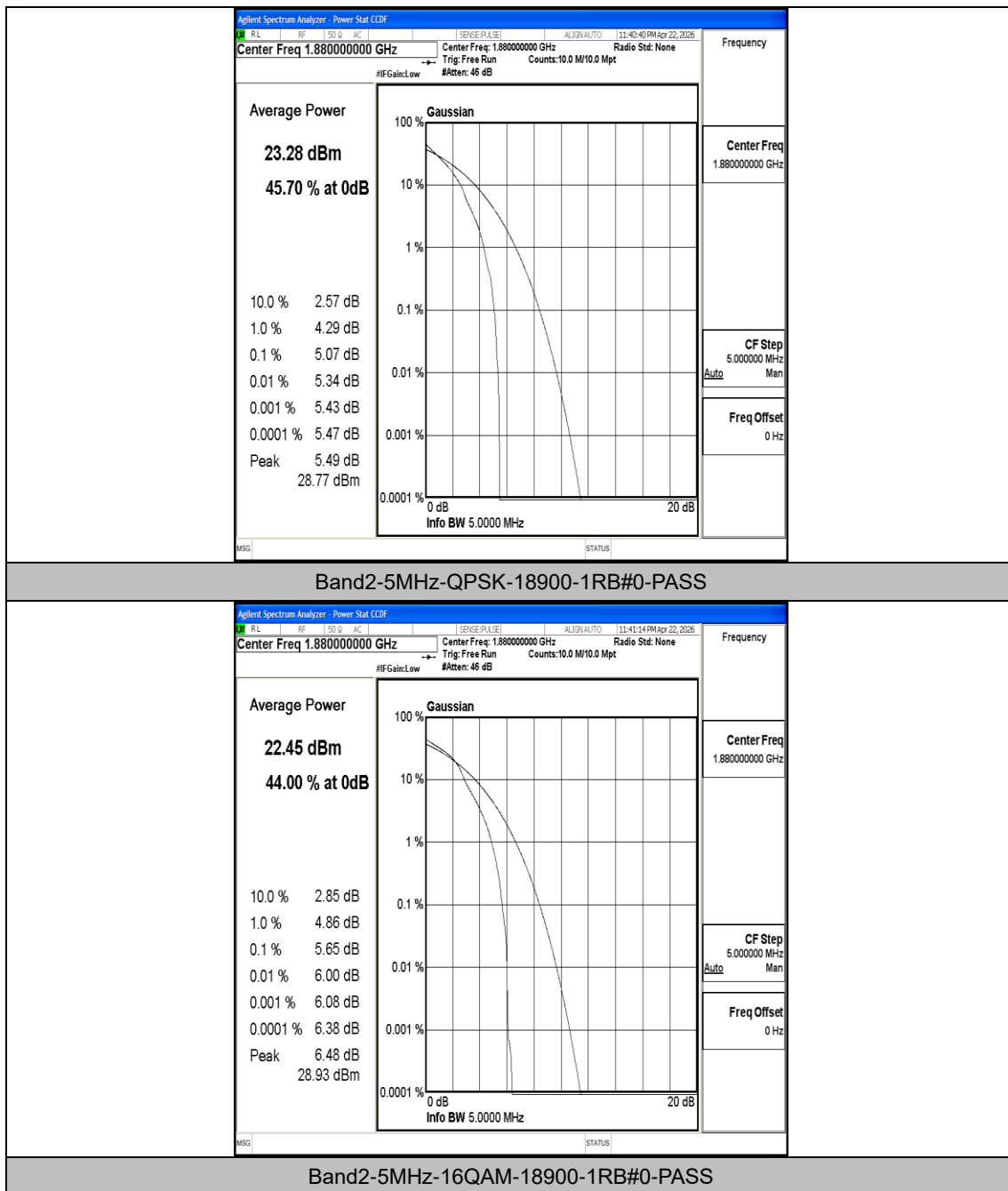


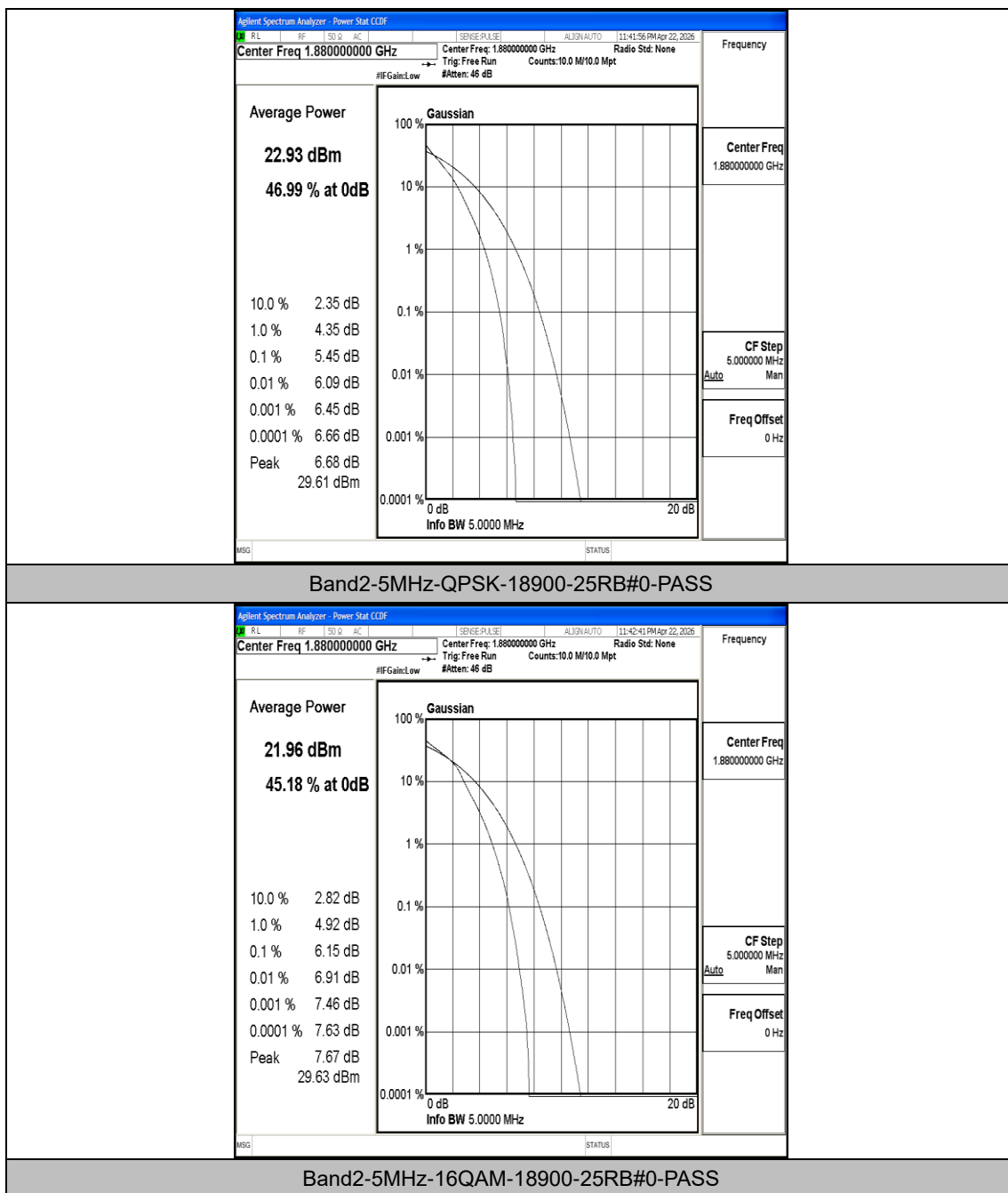


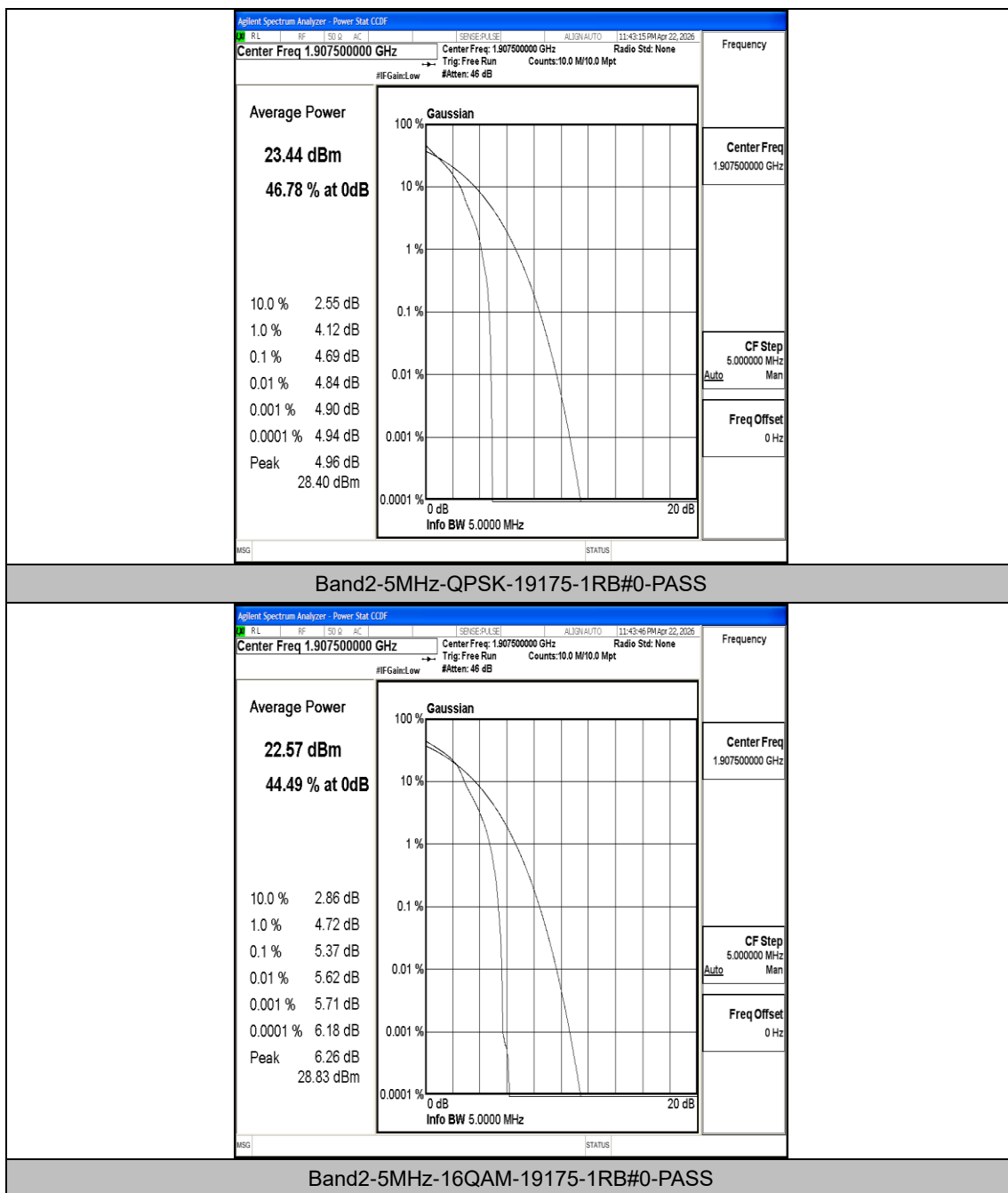


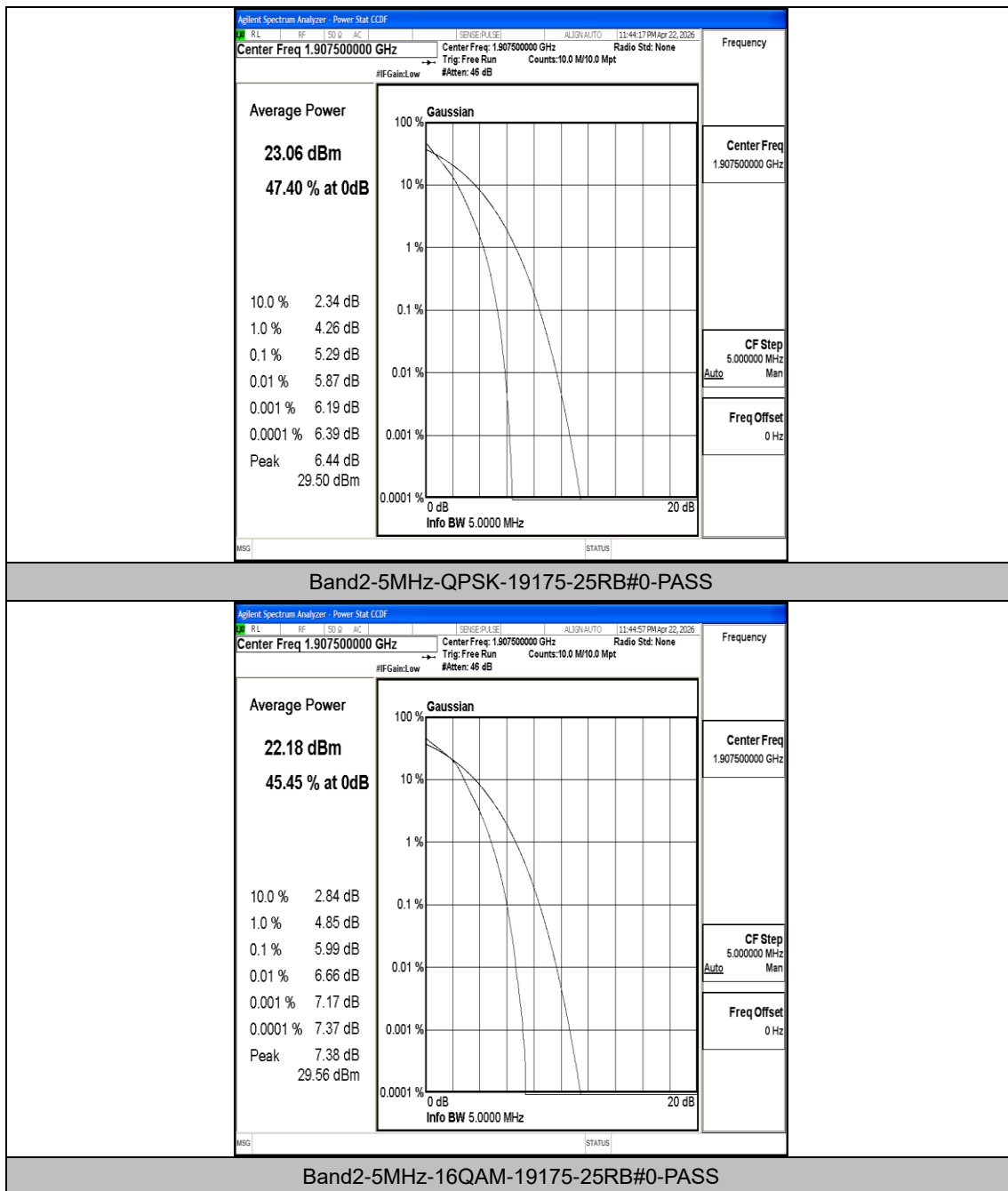


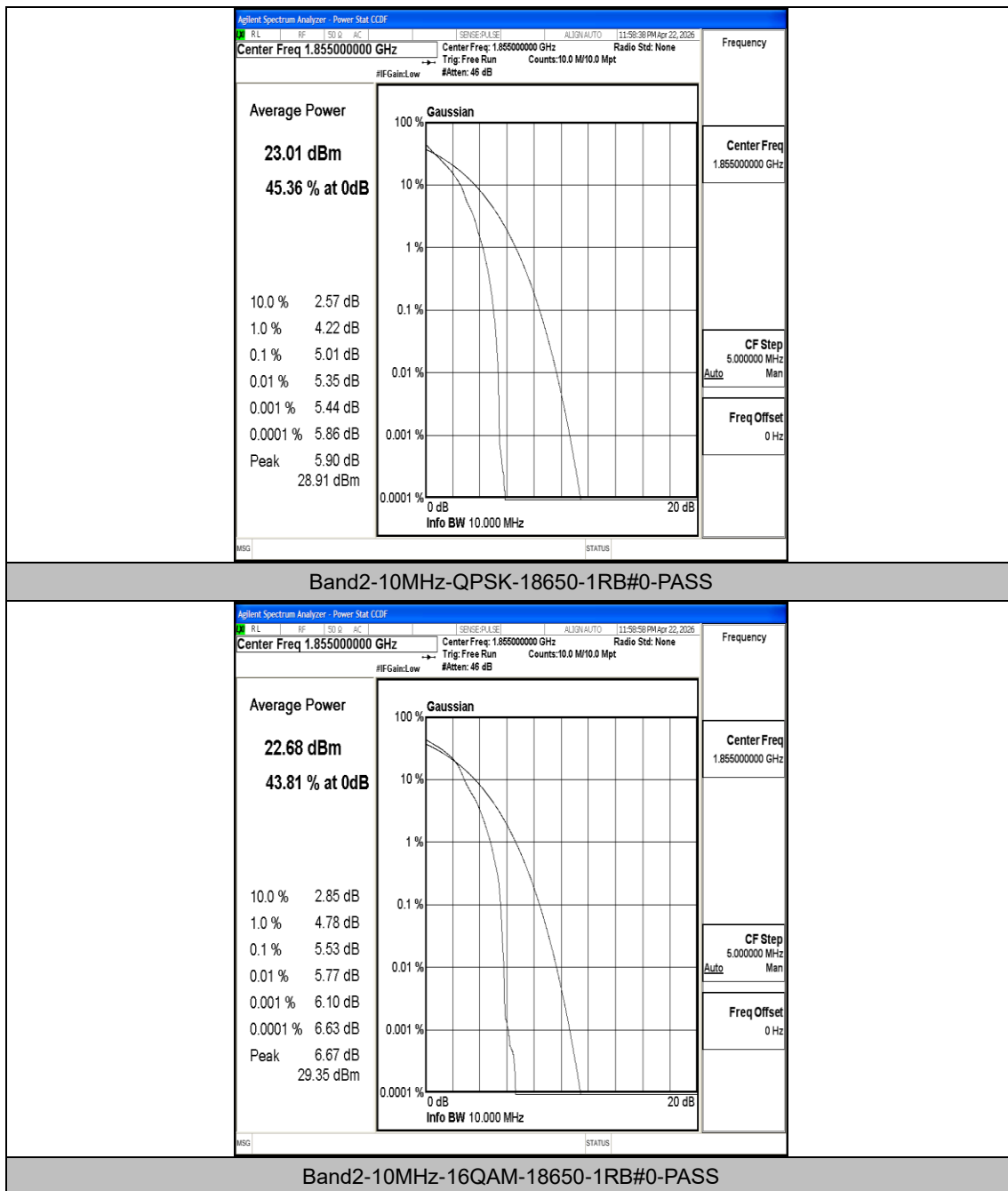


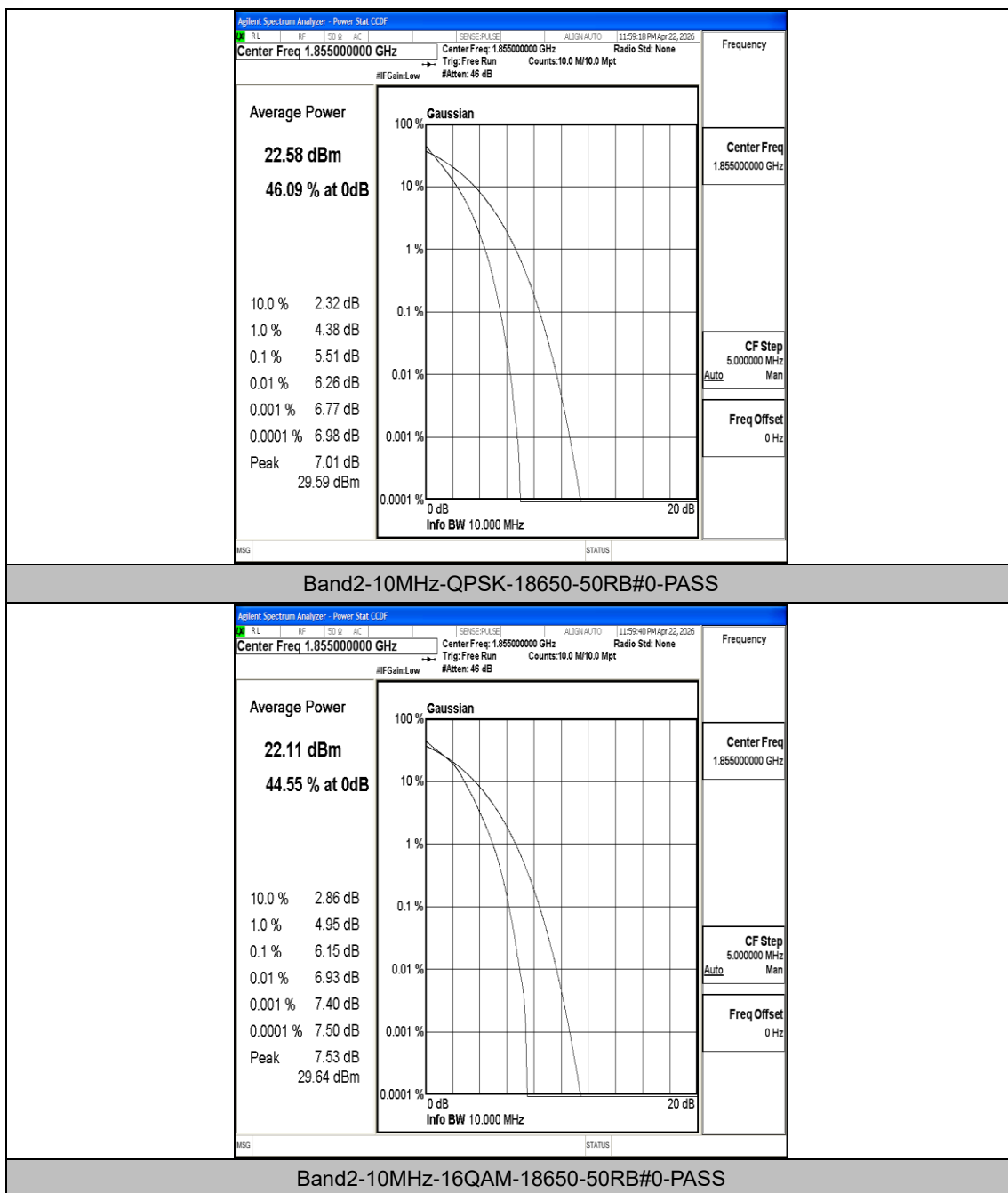


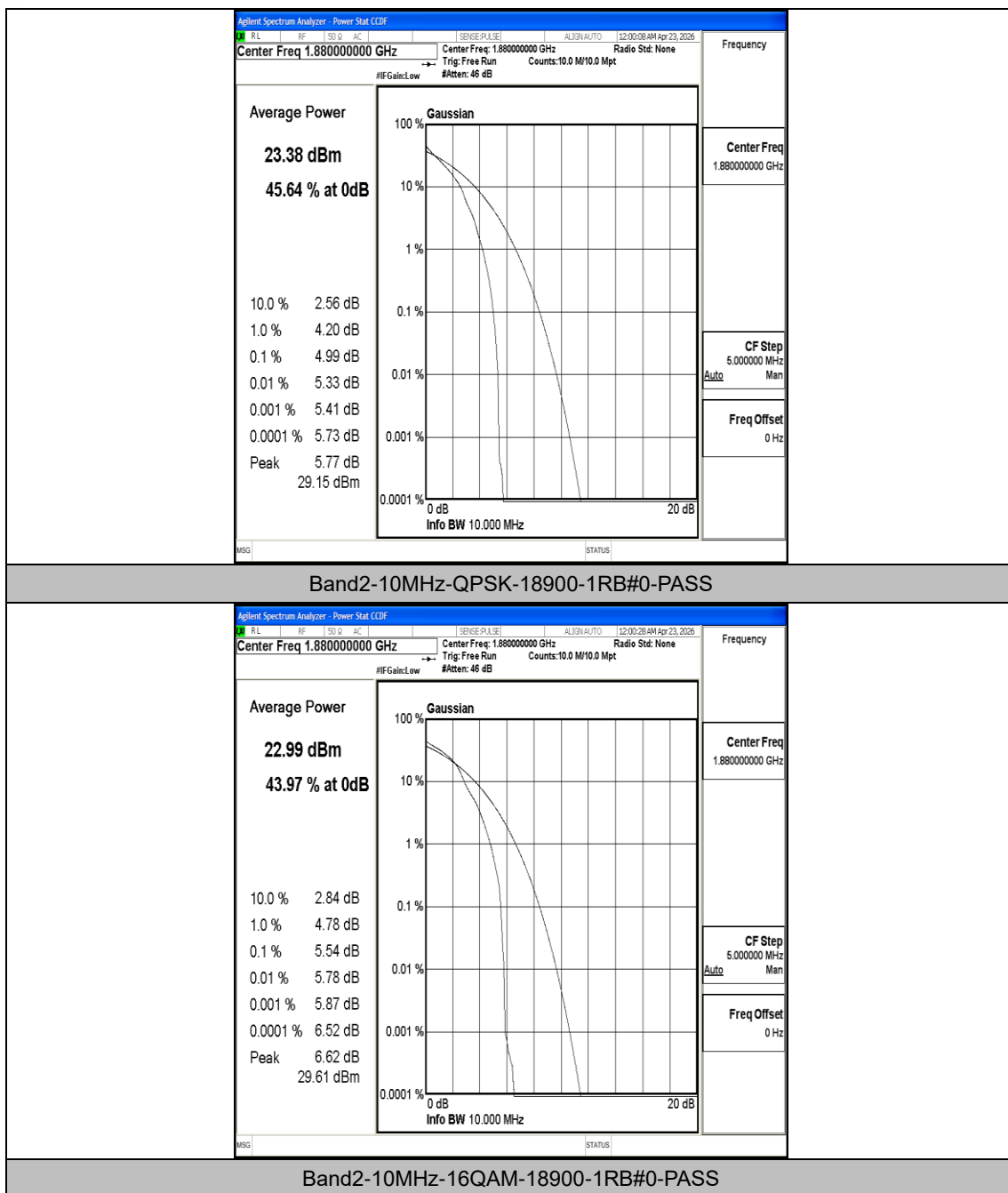


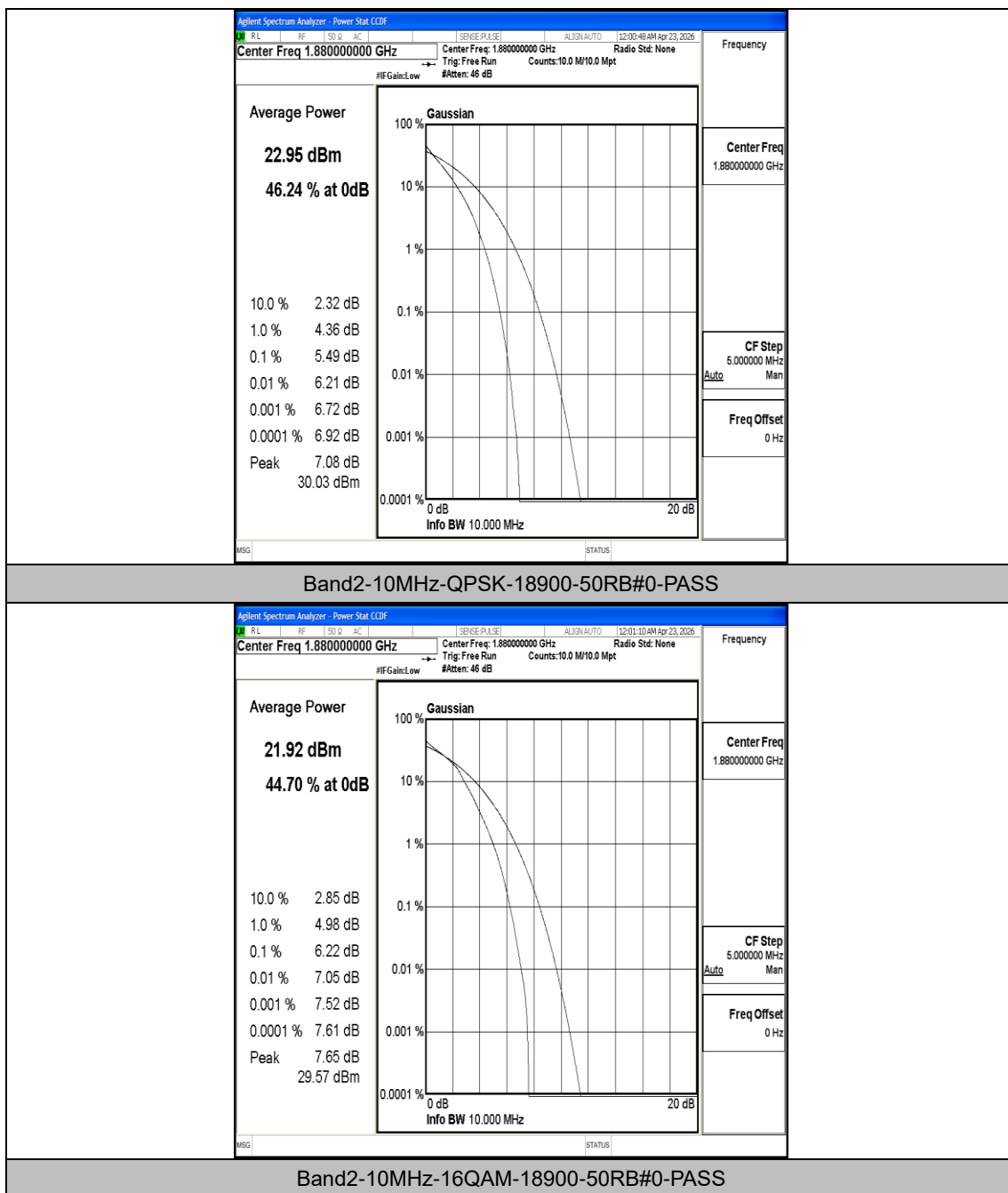


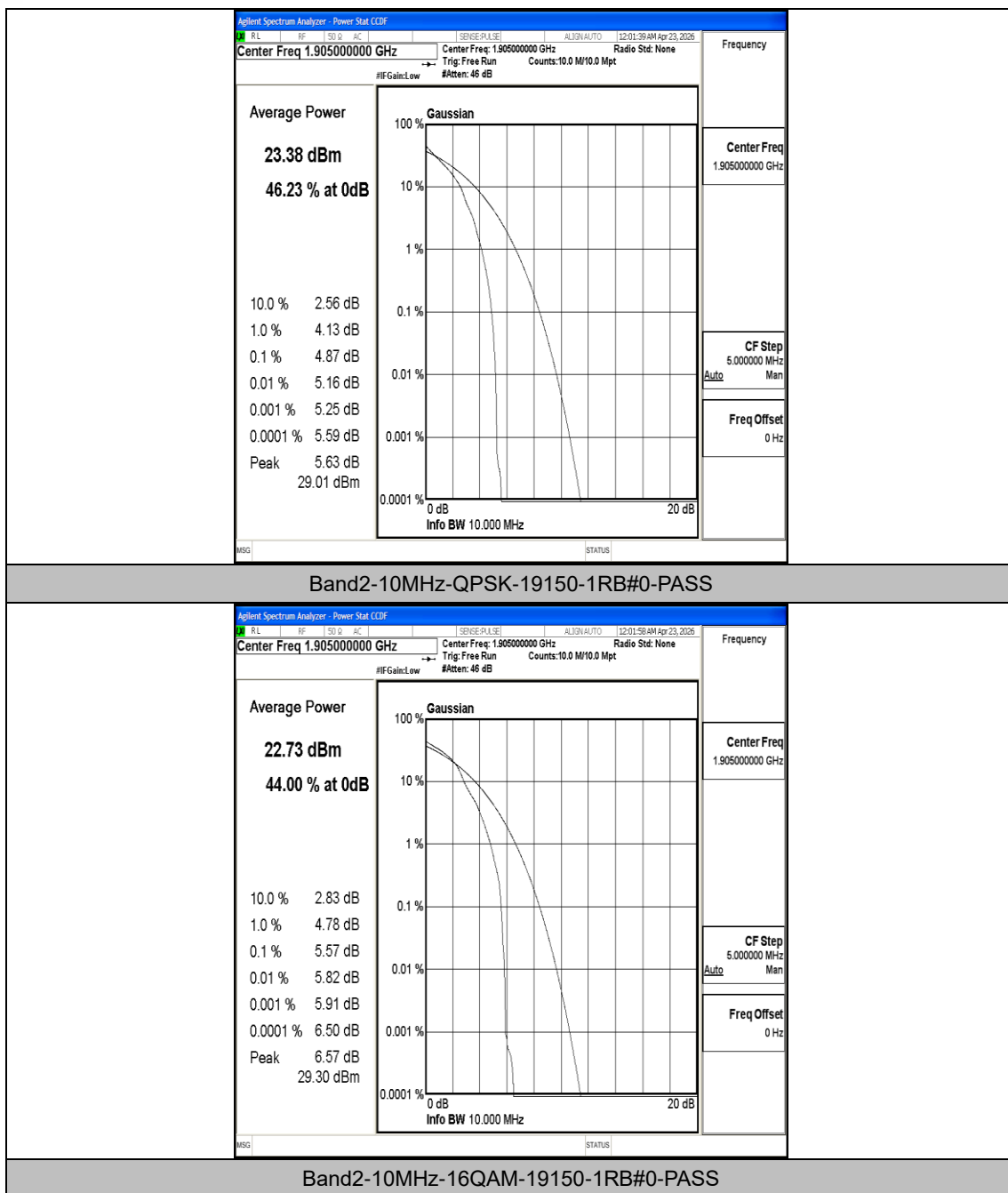


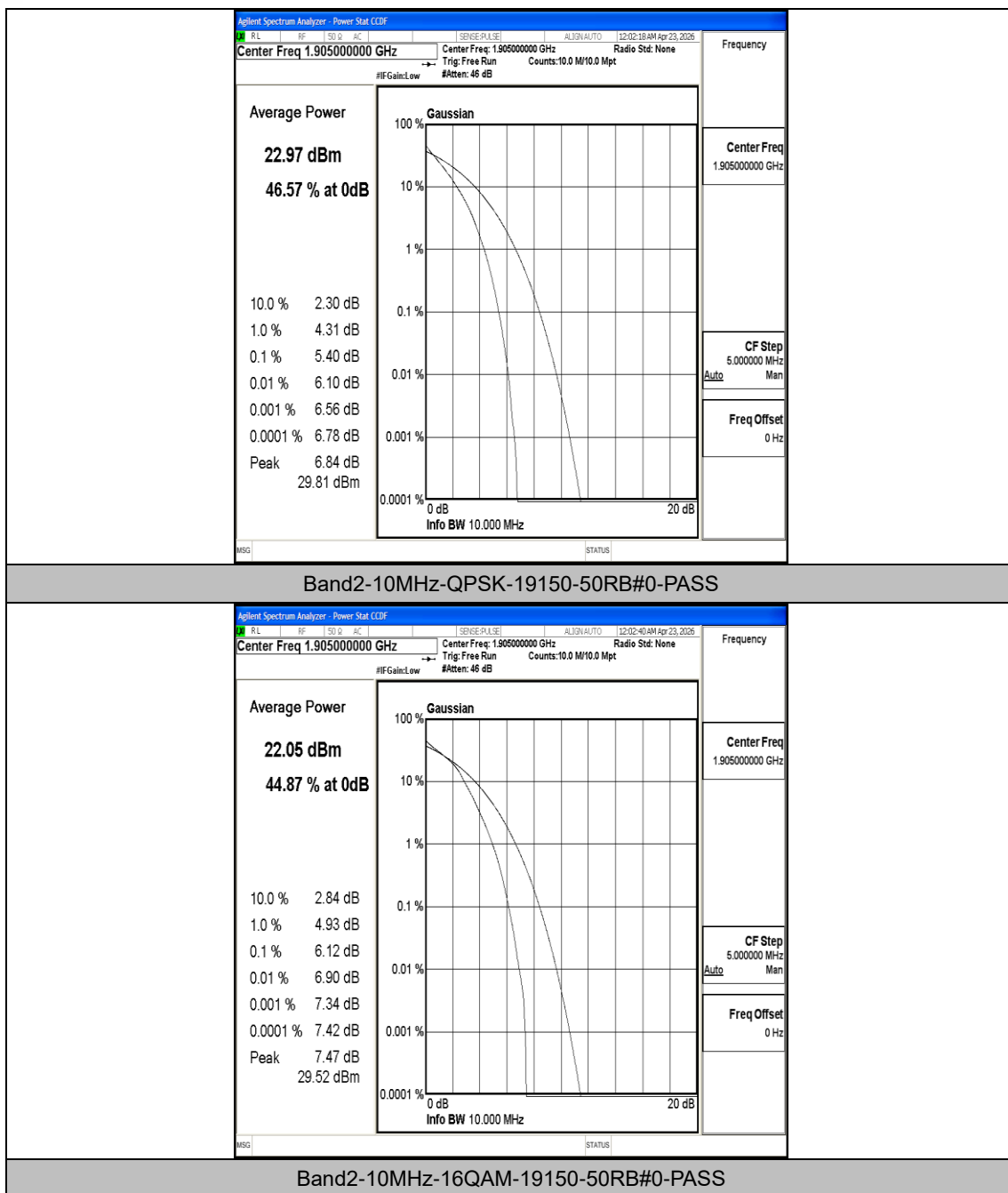


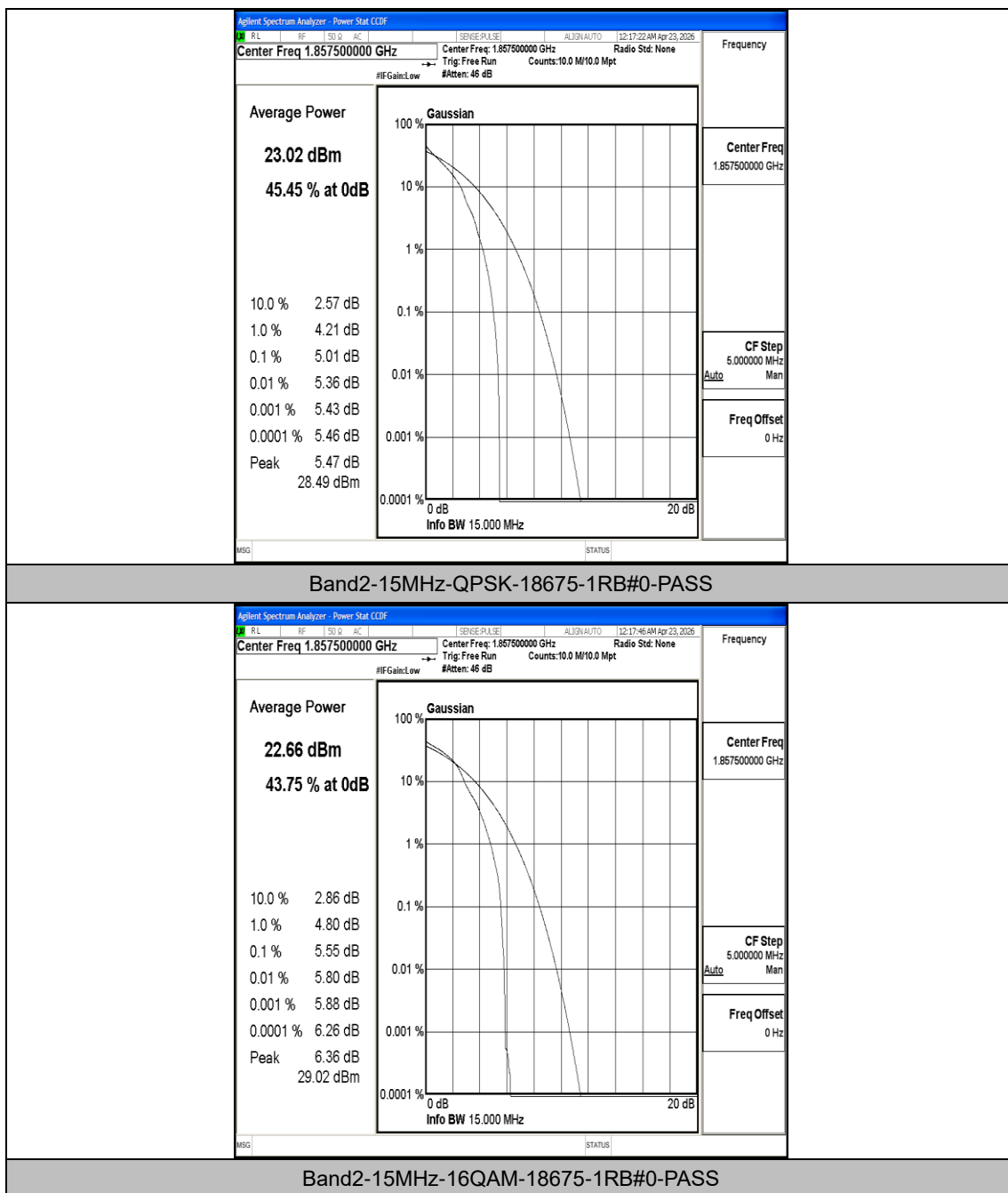


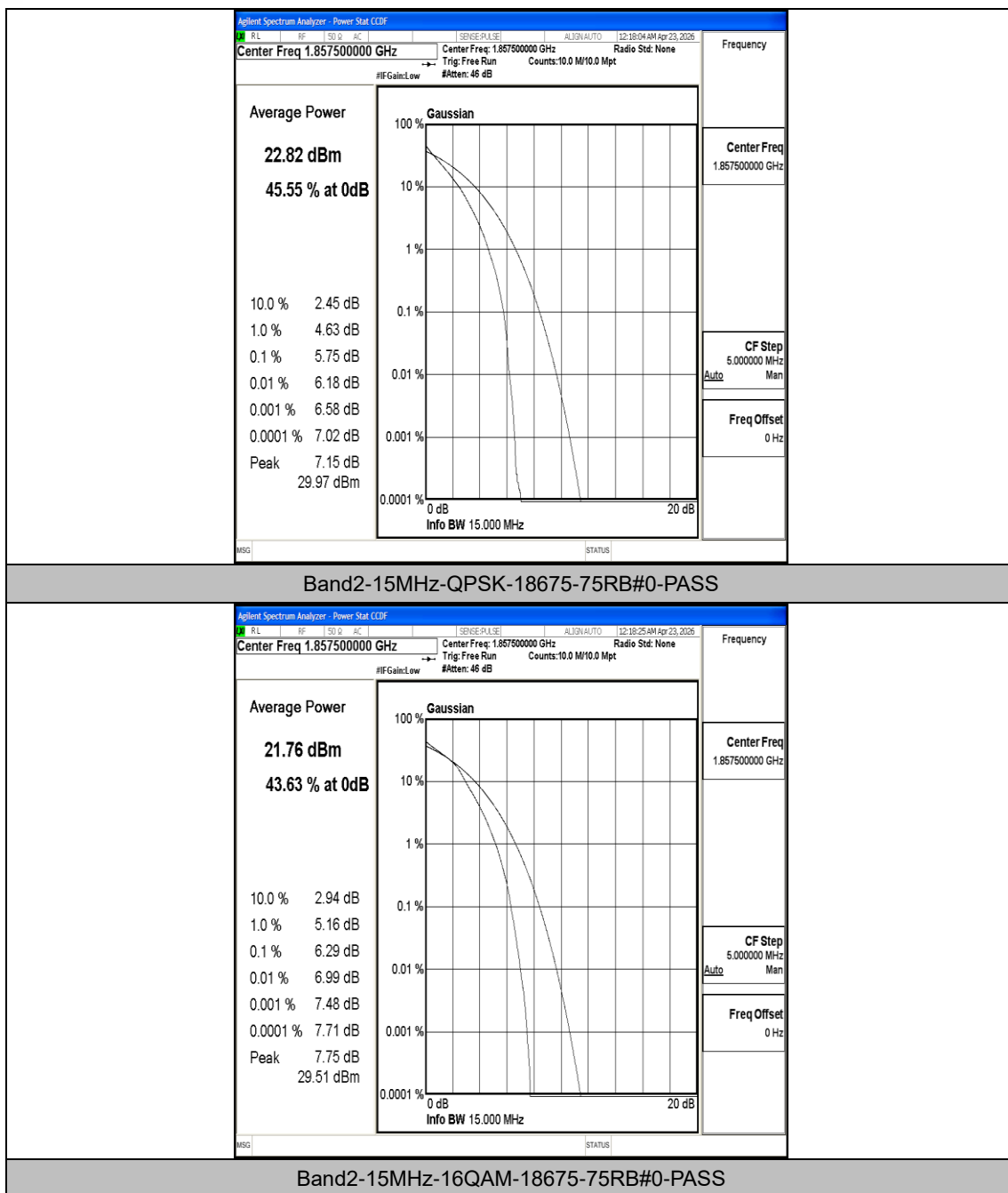


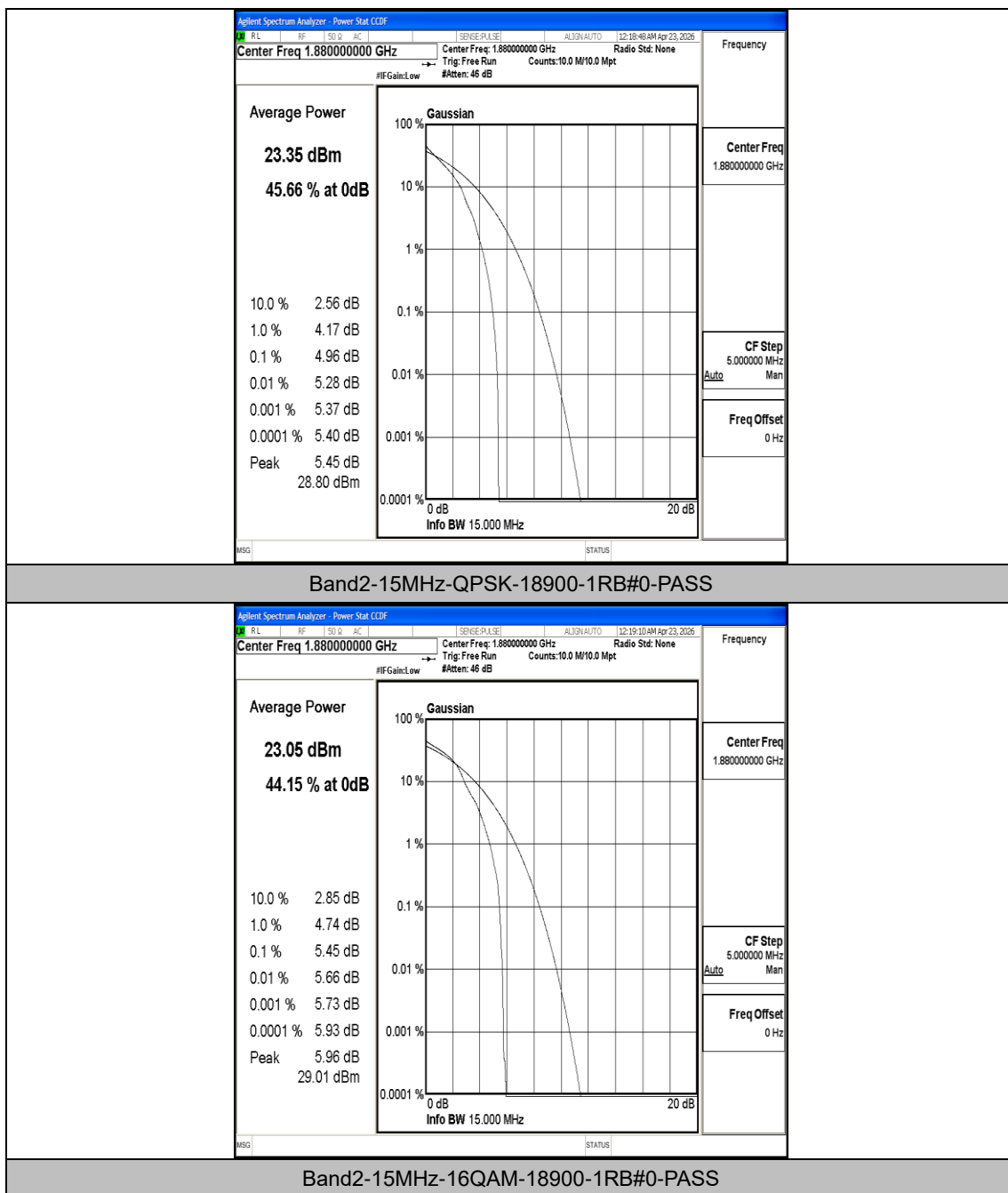


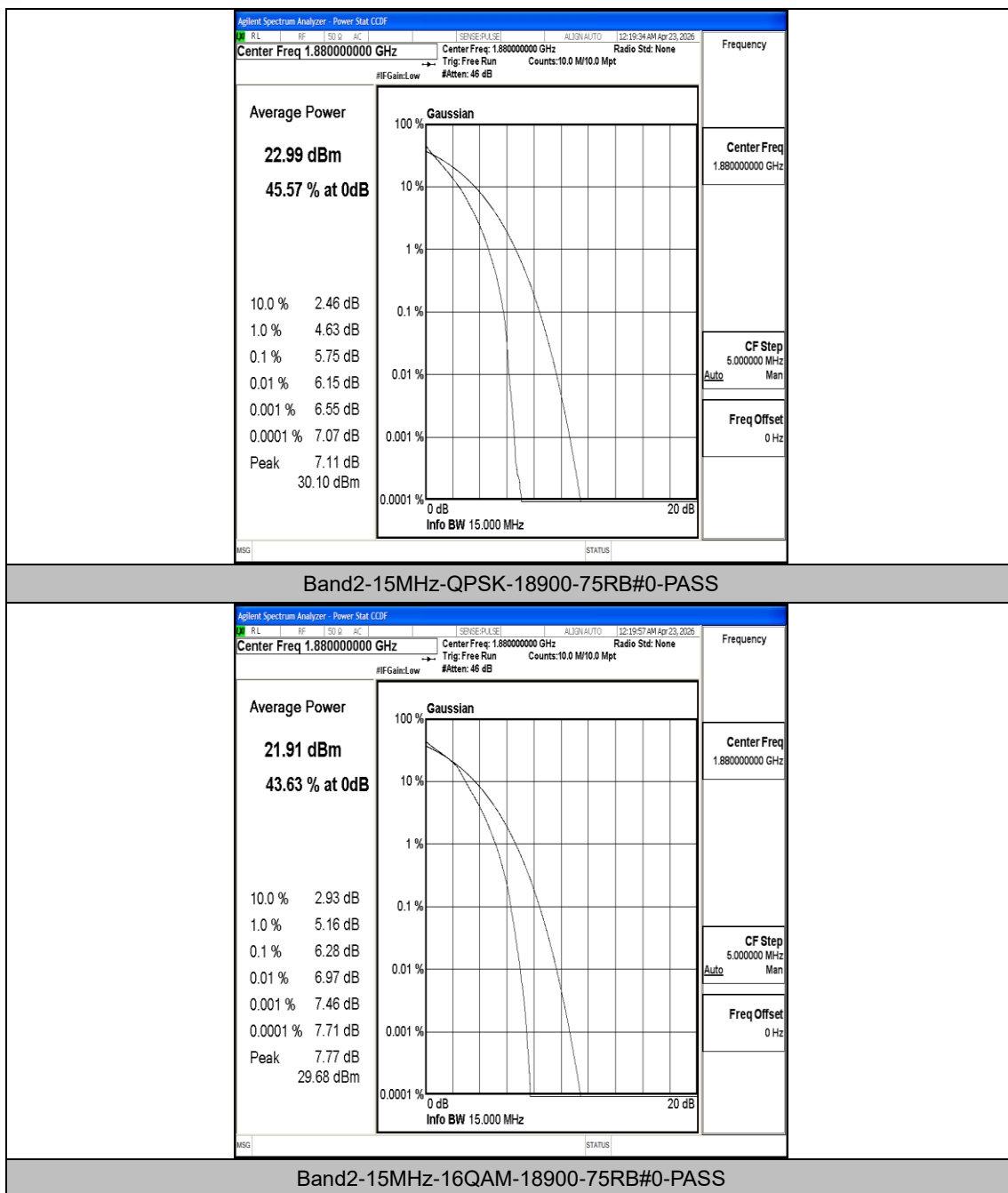


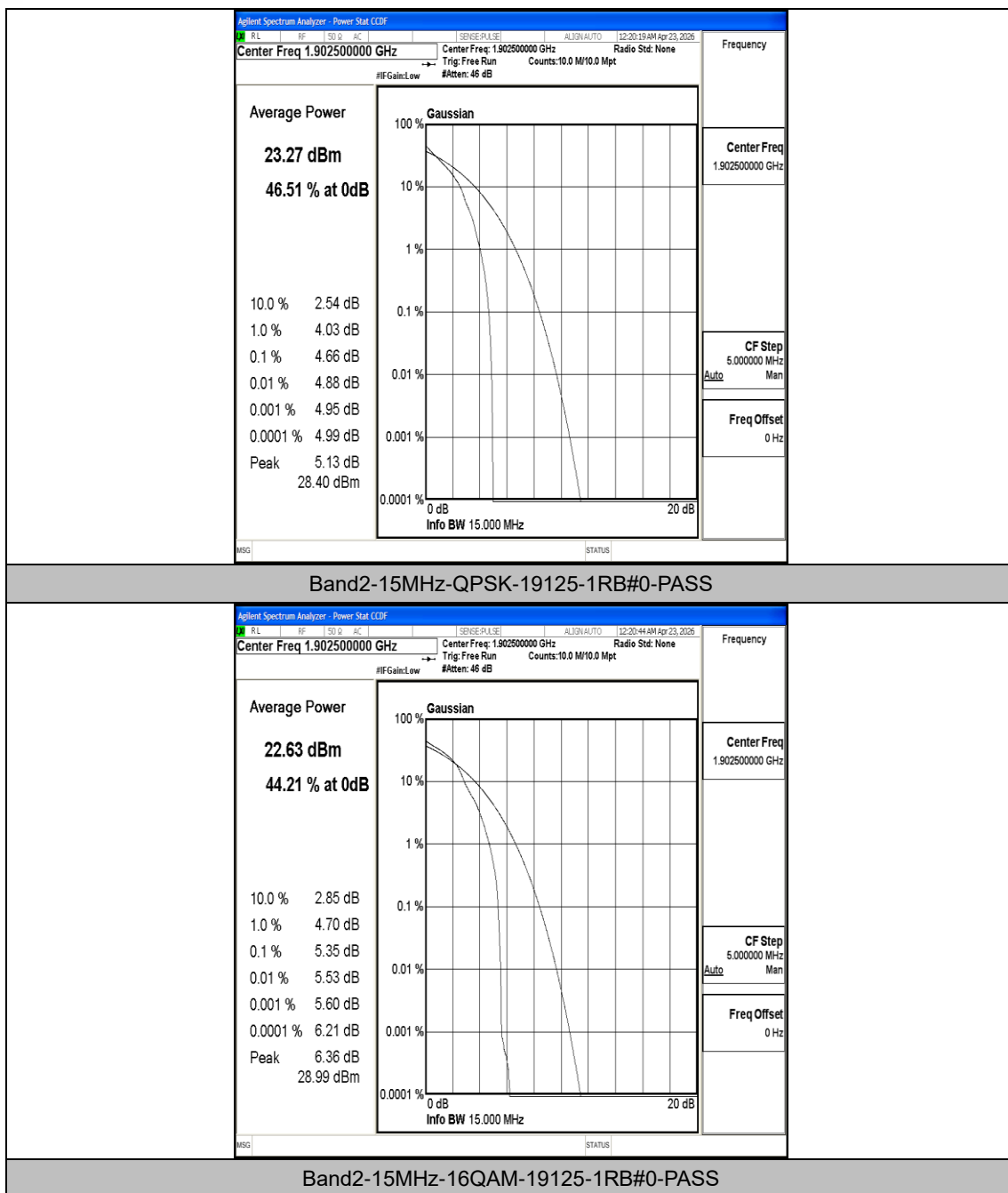


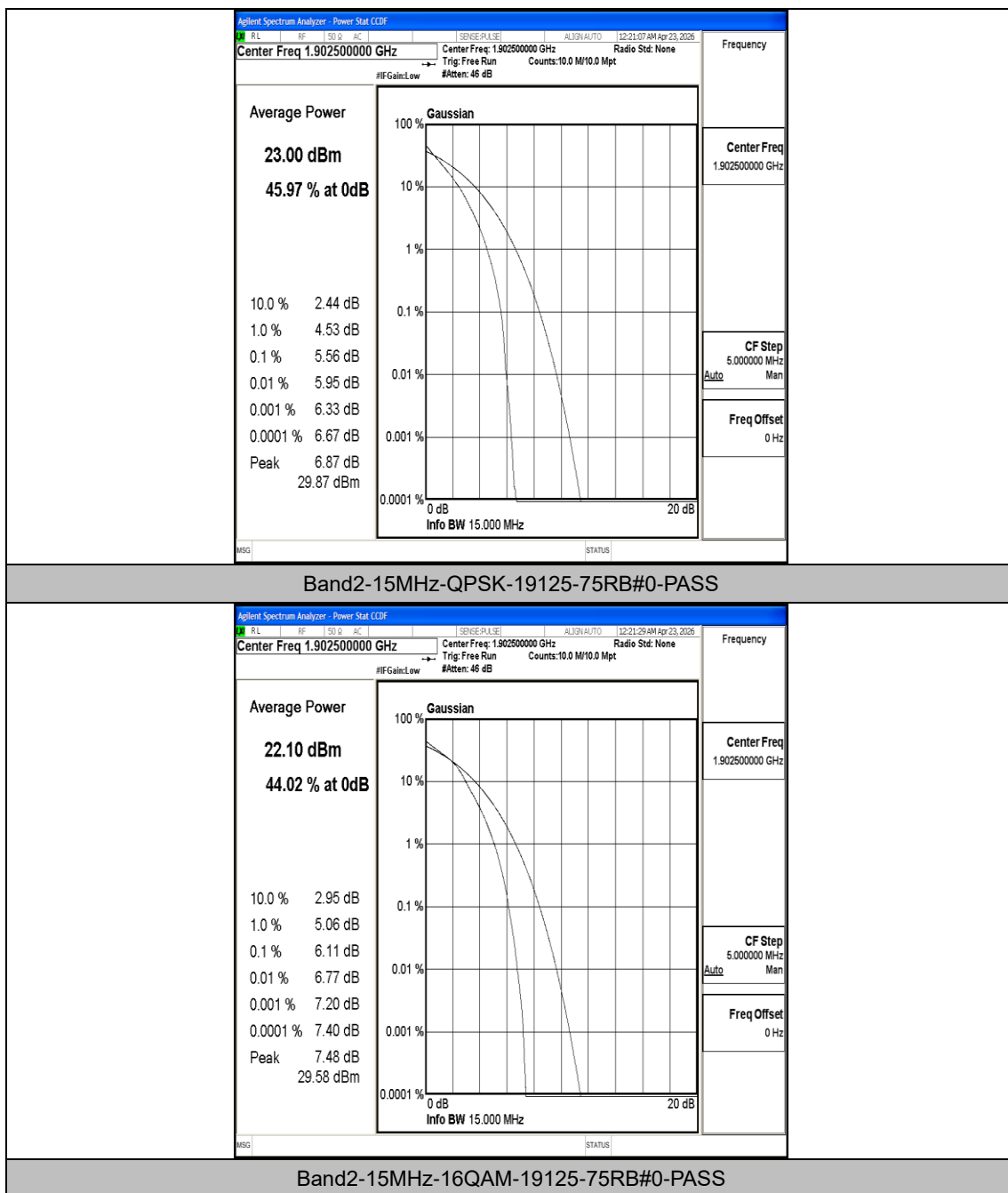


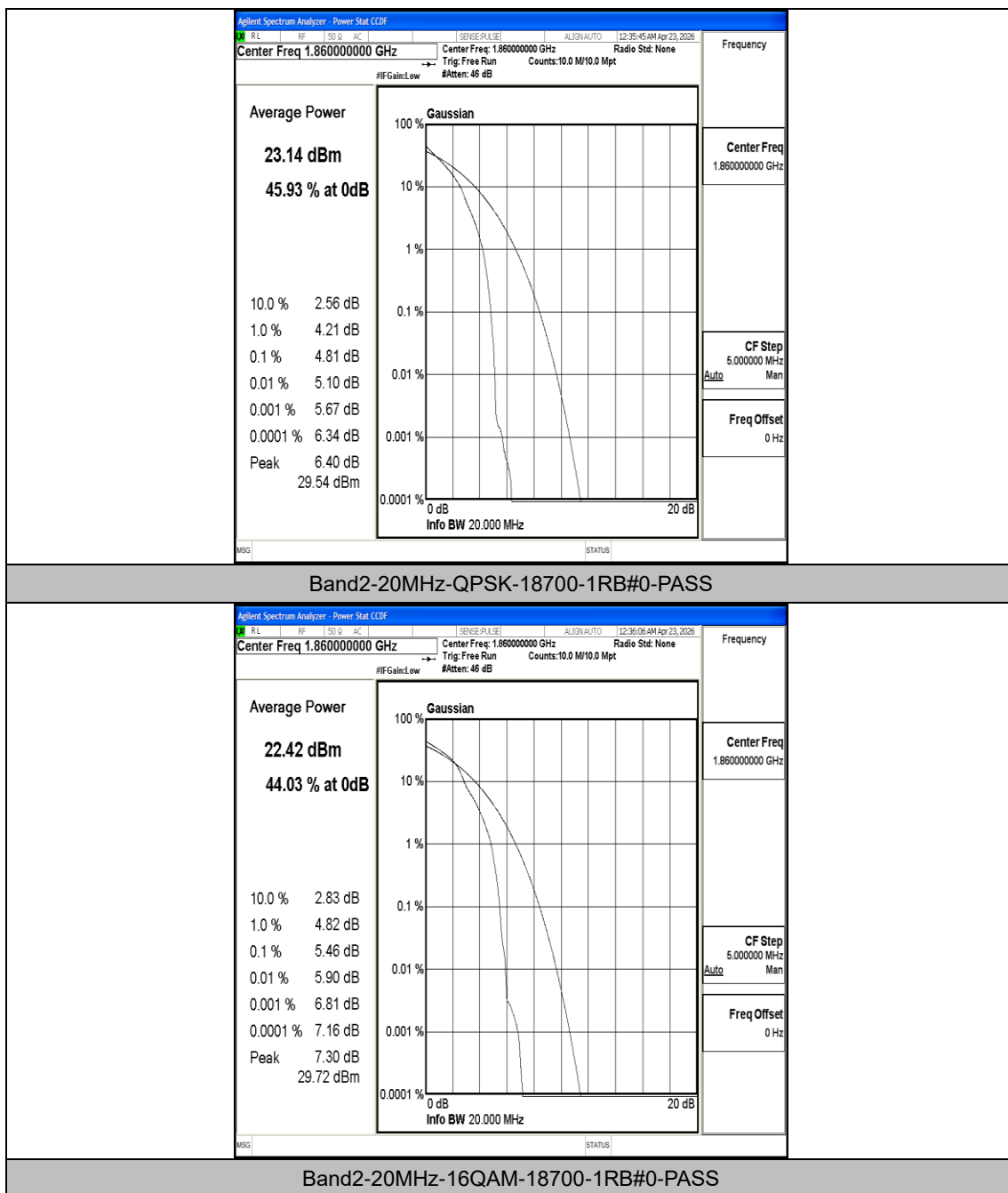


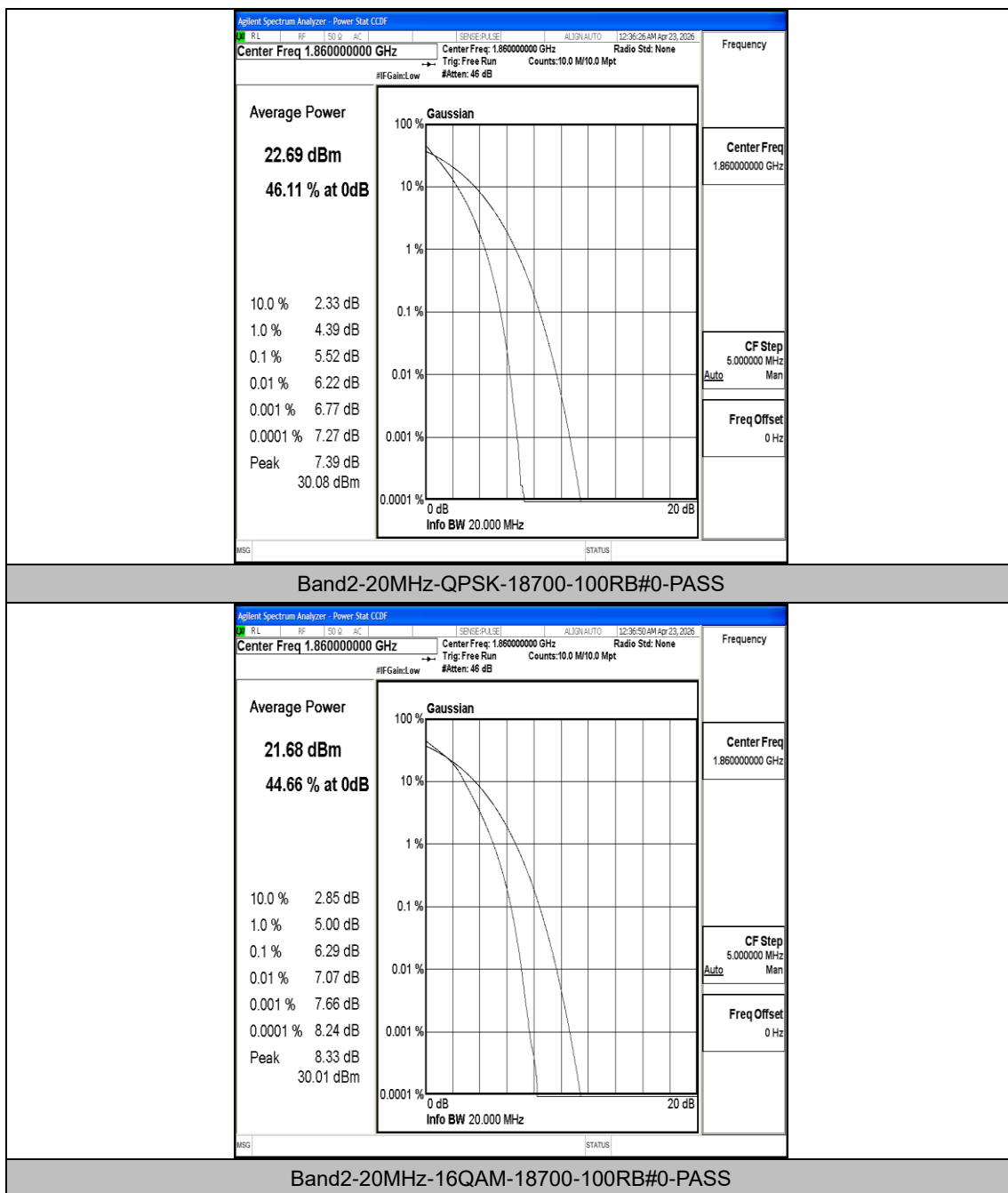


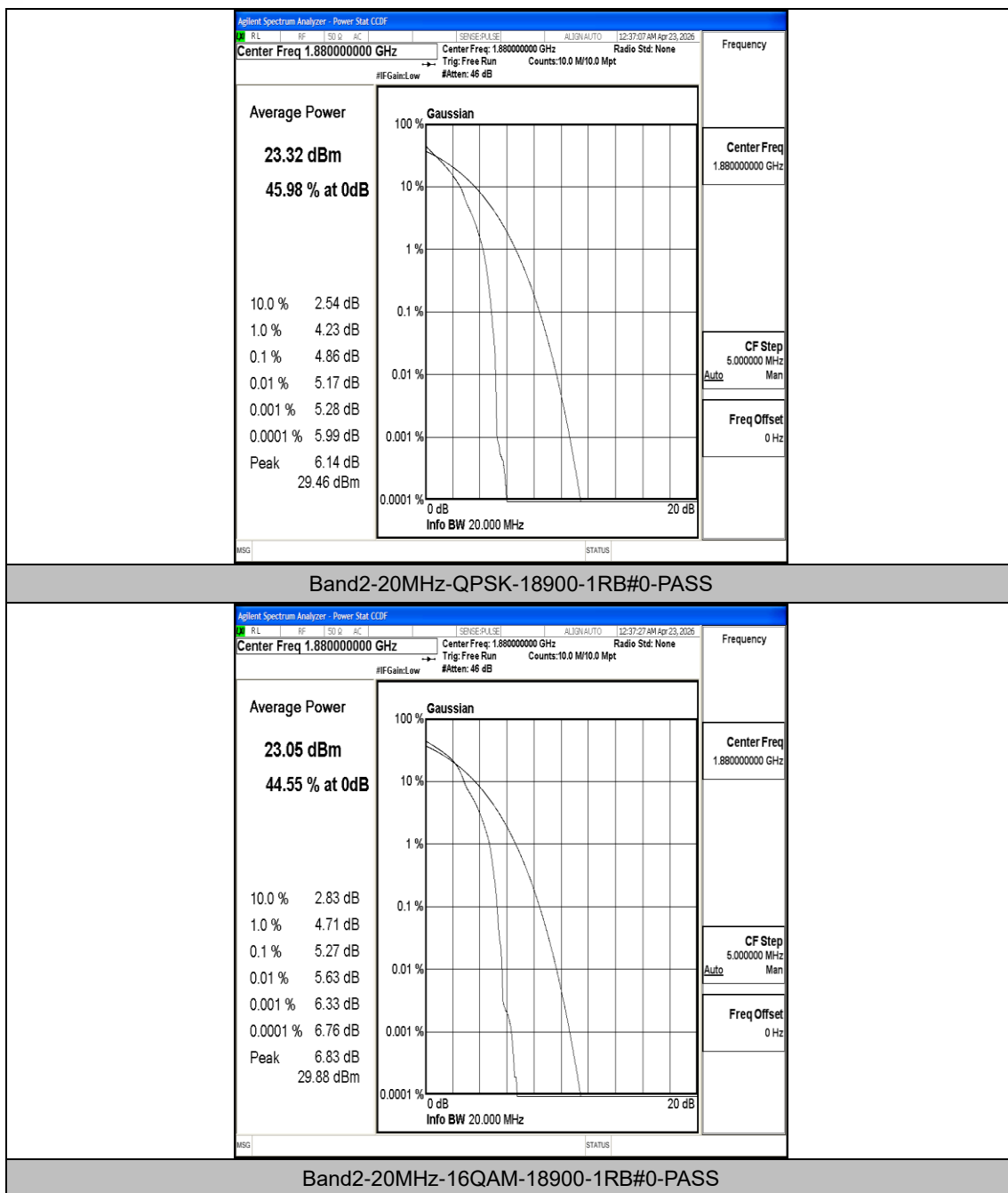


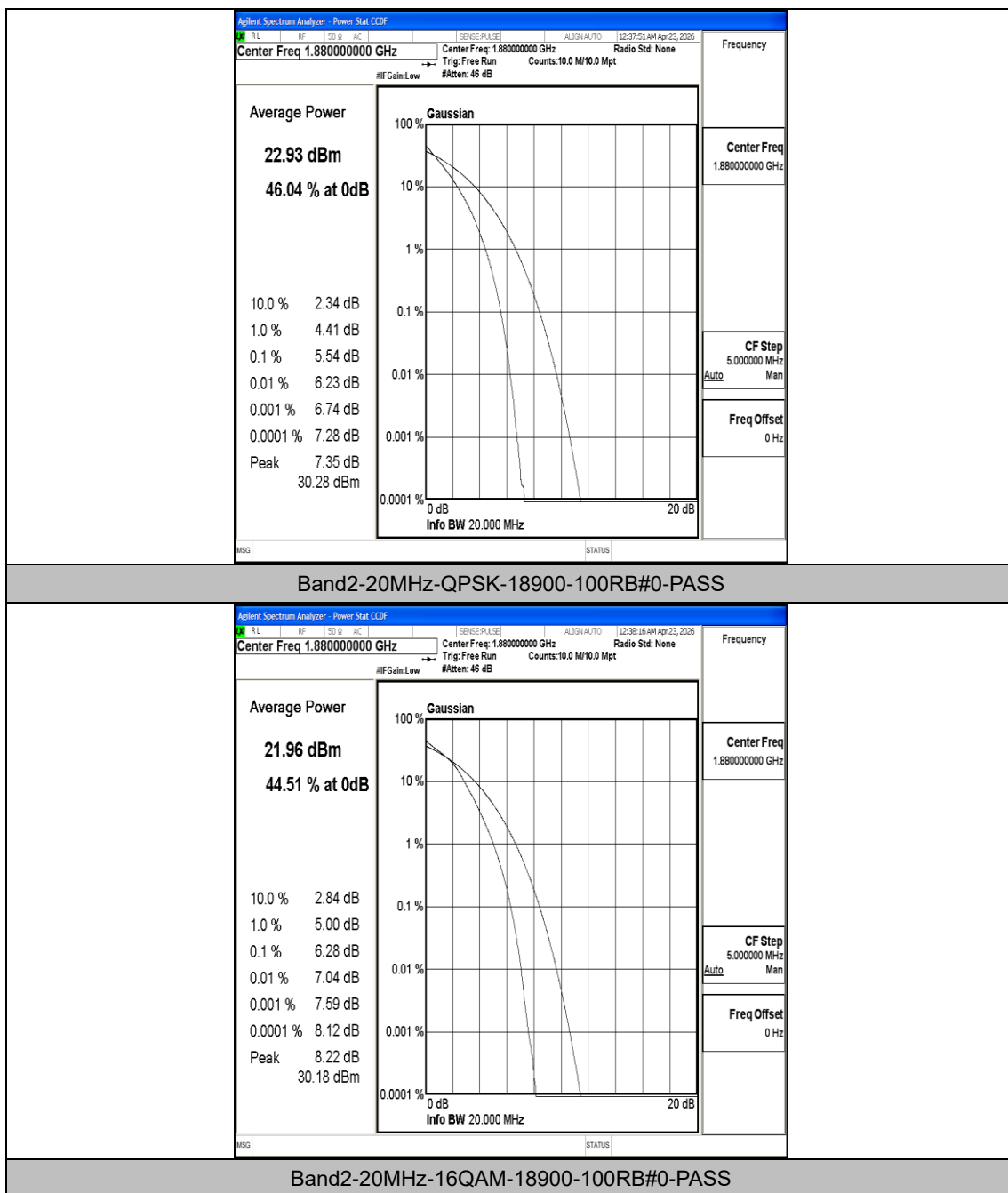


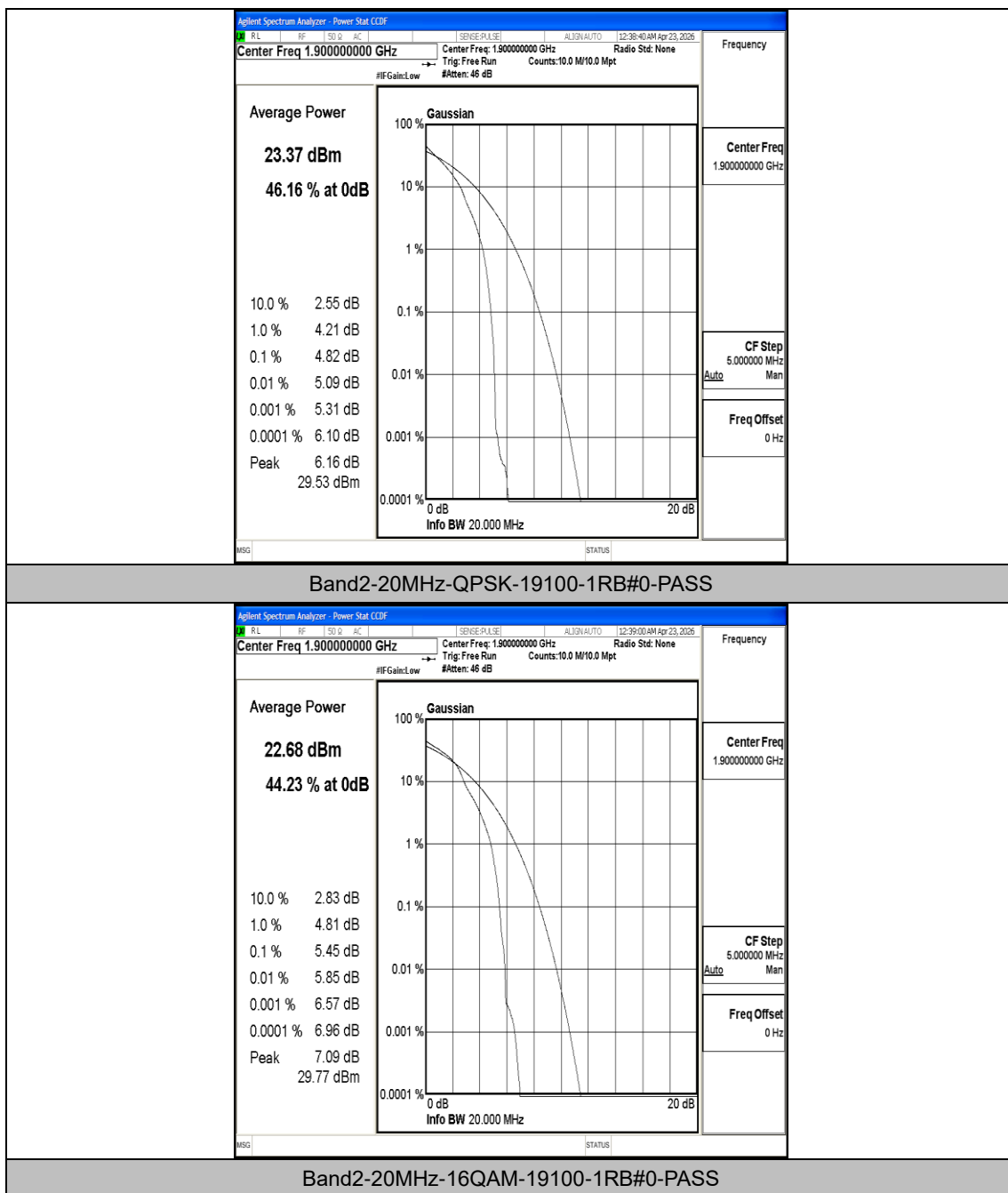


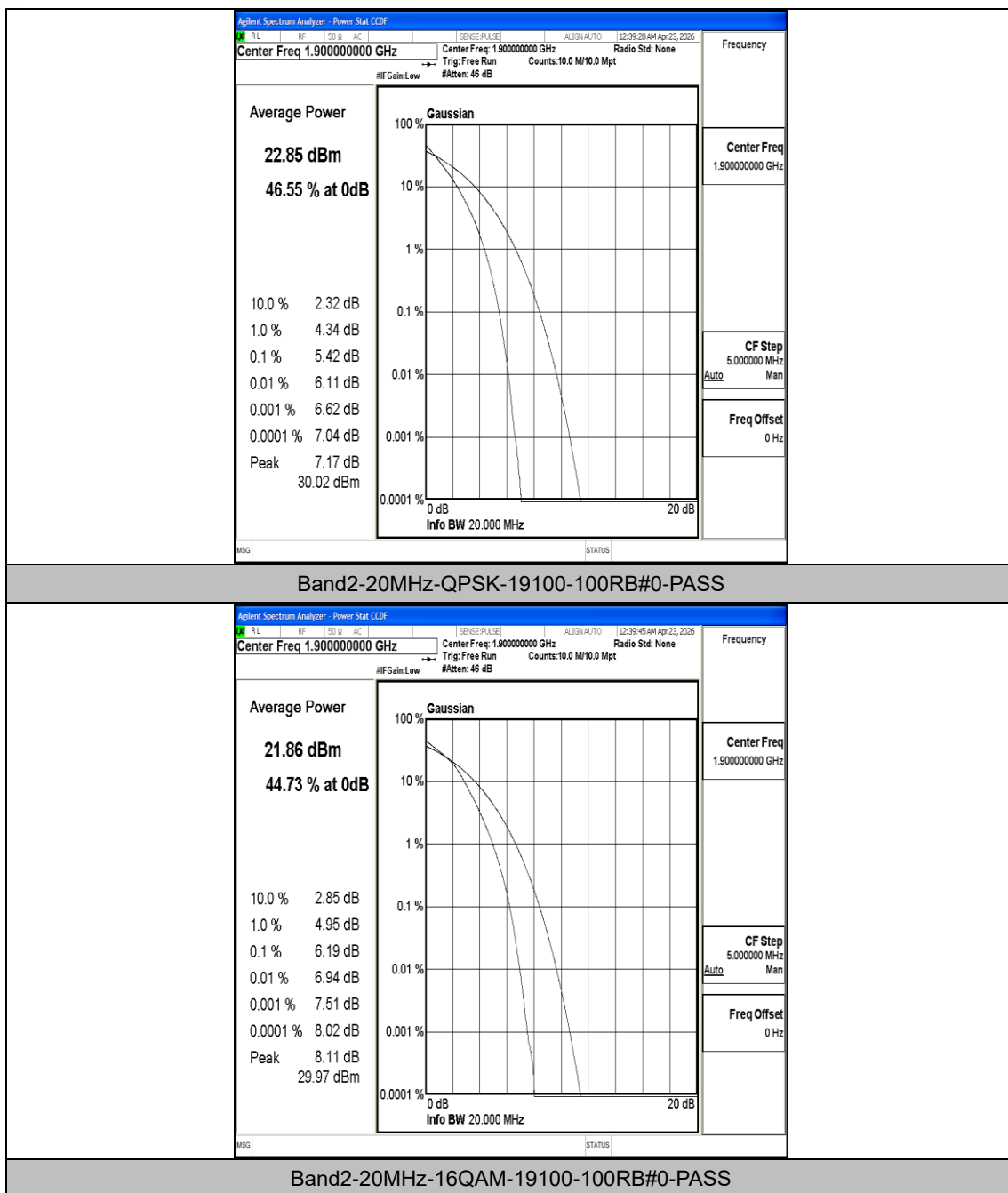












2 26dB Bandwidth and Occupied Bandwidth

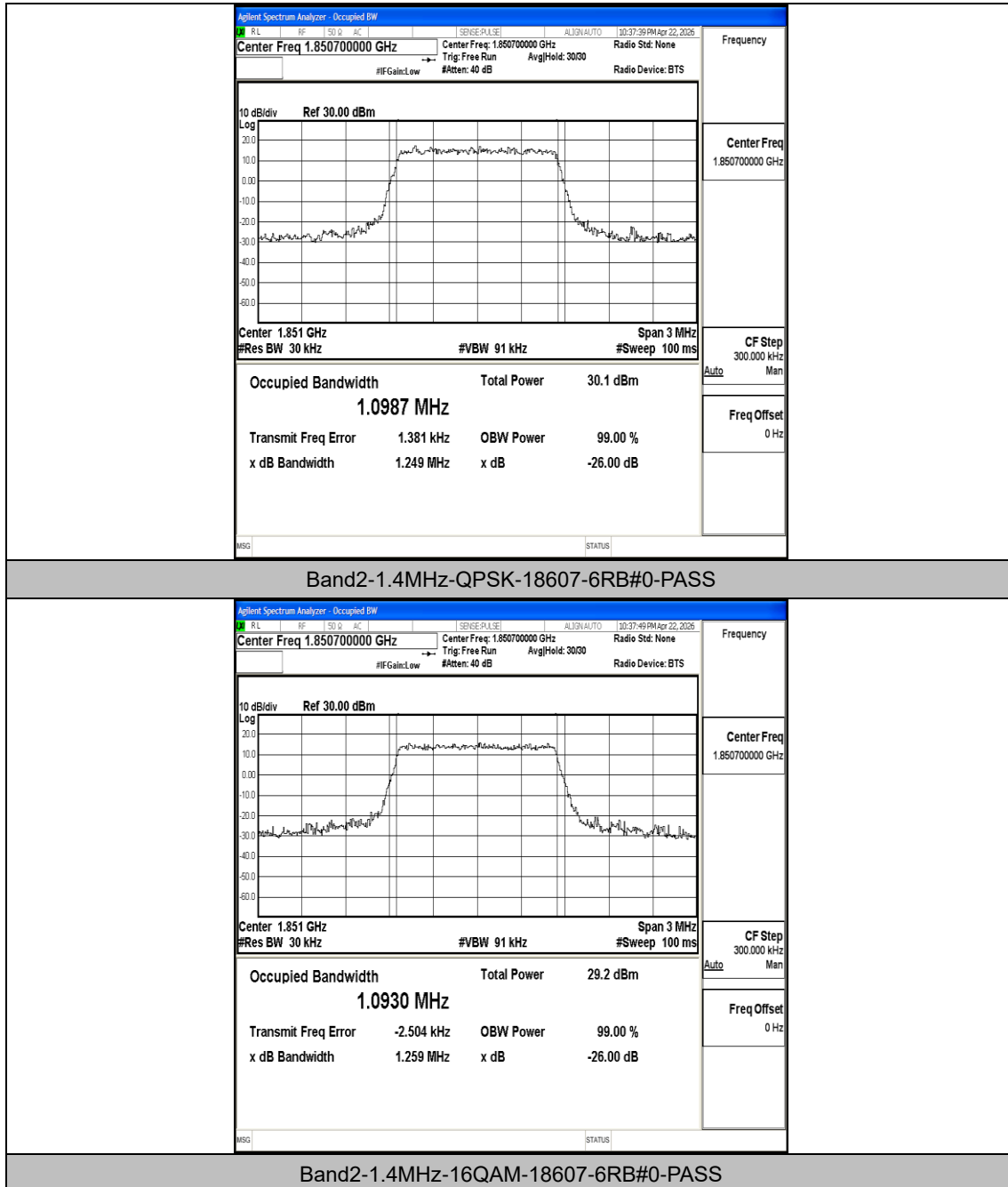
Test Result

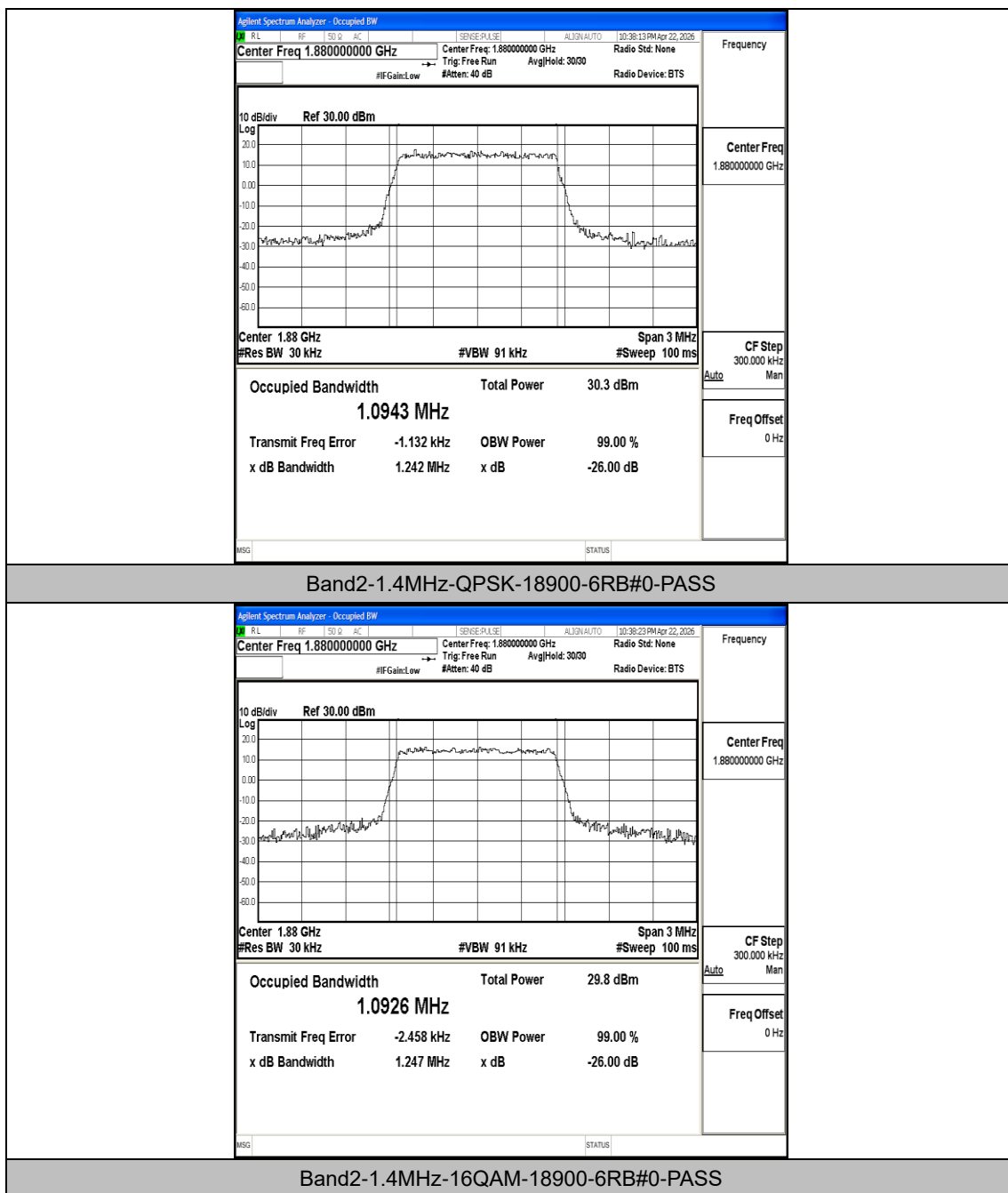
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0987	1.249	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0930	1.259	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0943	1.242	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0926	1.247	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0977	1.249	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0911	1.245	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7619	3.102	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.7477	3.093	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7660	3.115	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.7464	3.086	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7560	3.086	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.7417	3.091	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5159	4.986	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5008	4.971	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5057	4.988	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5064	4.964	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5014	4.982	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5020	4.954	PASS
Band2	10MHz	QPSK	18650	50RB#0	9.0020	9.877	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9970	9.915	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9873	9.889	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9979	9.880	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9876	9.930	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9667	9.917	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.503	14.90	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.483	14.84	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.496	15.01	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.485	14.88	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.508	14.89	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.467	14.80	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.954	19.77	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.963	19.75	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.002	19.72	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.990	19.66	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.970	19.67	PASS

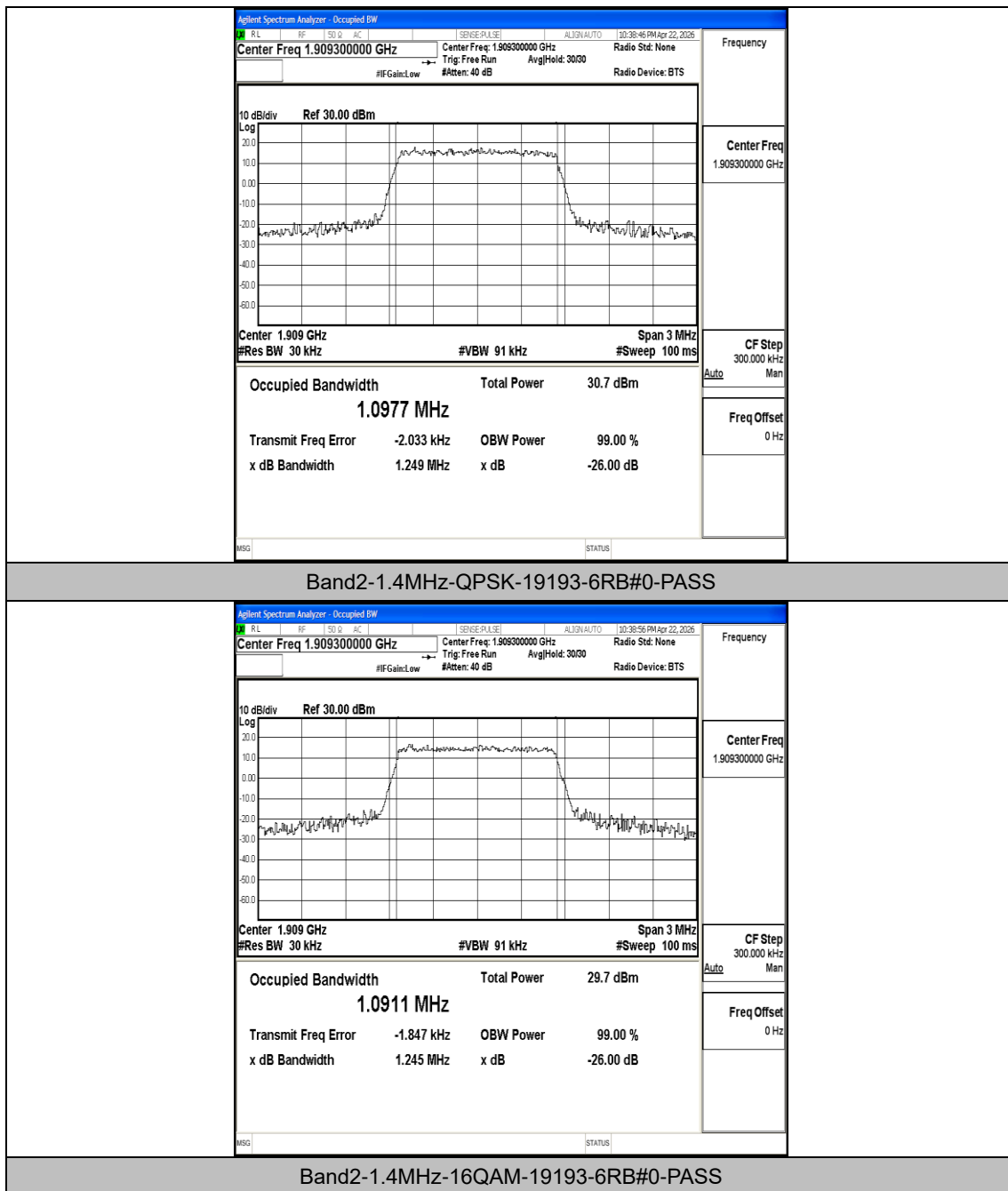


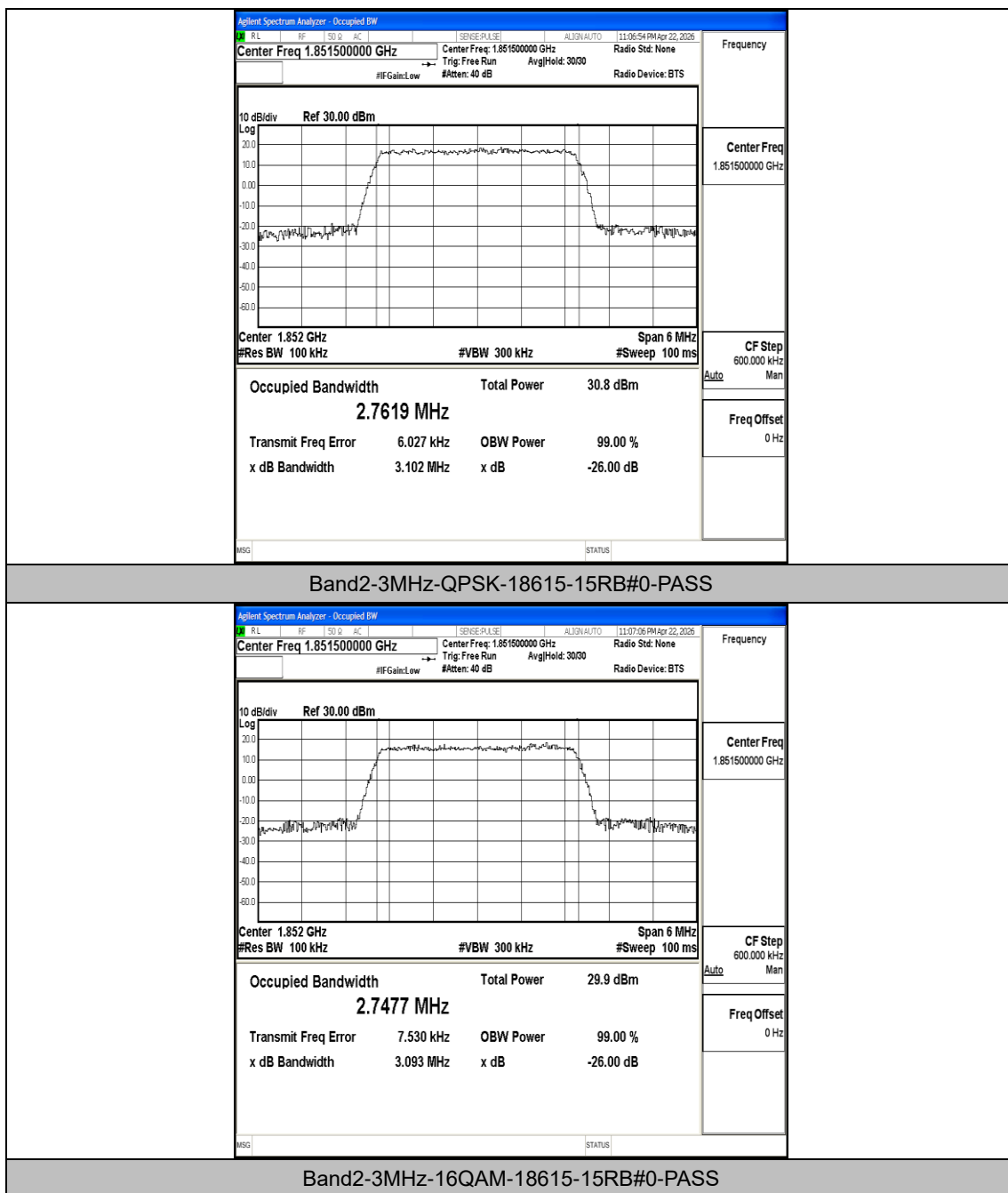
Band2	20MHz	16QAM	19100	100RB#0	18.023	19.61	PASS
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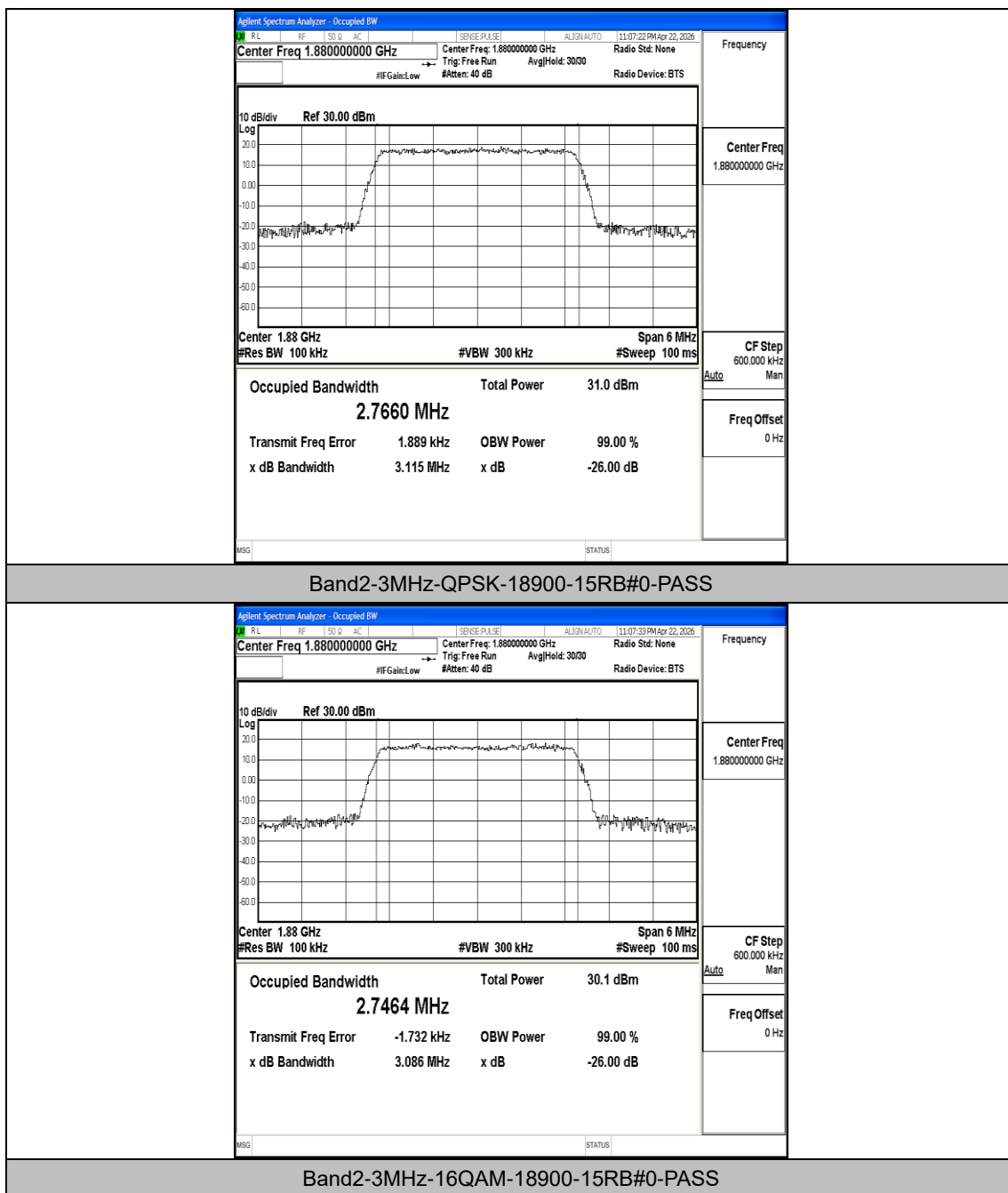
Test Graphs

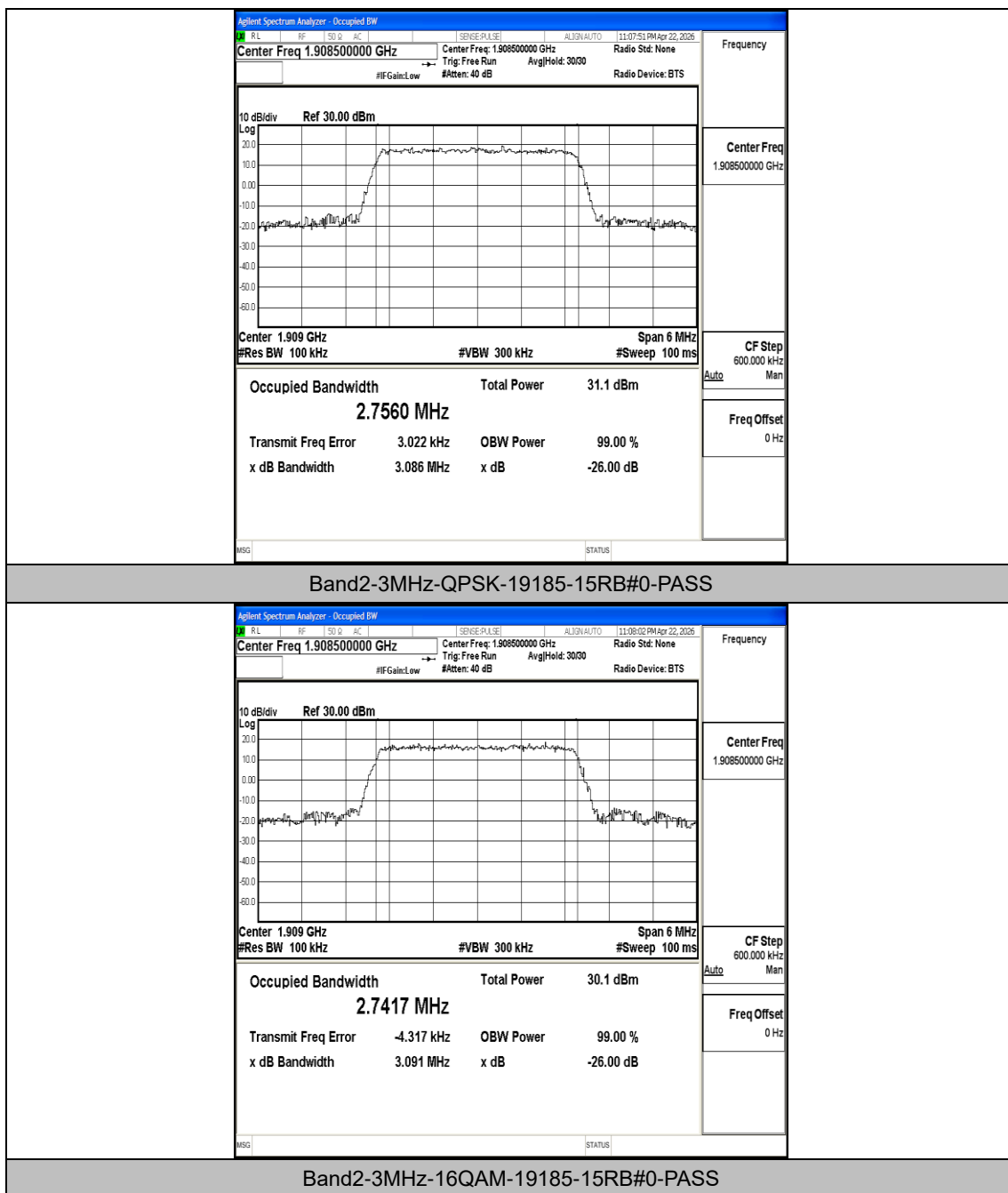


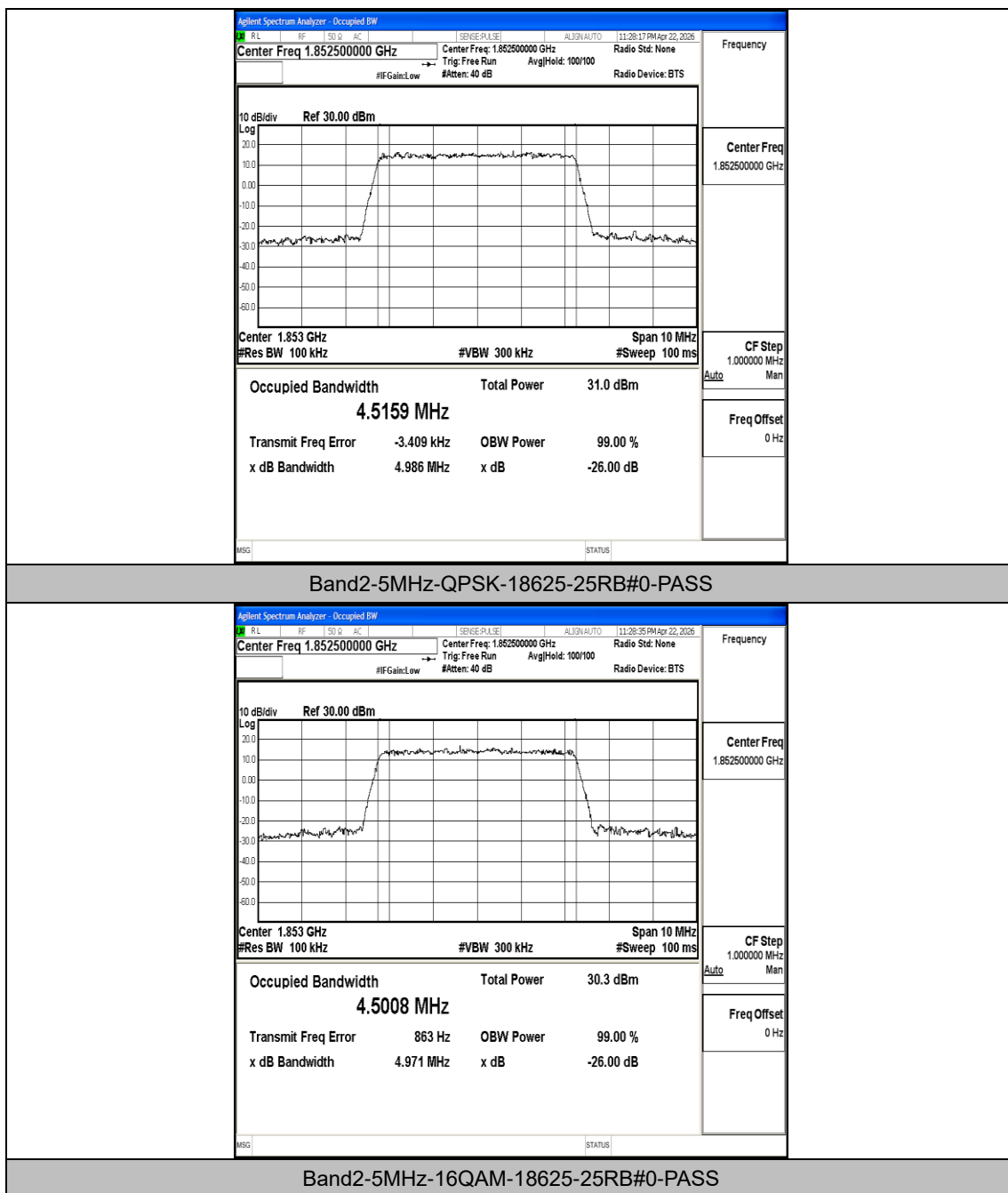


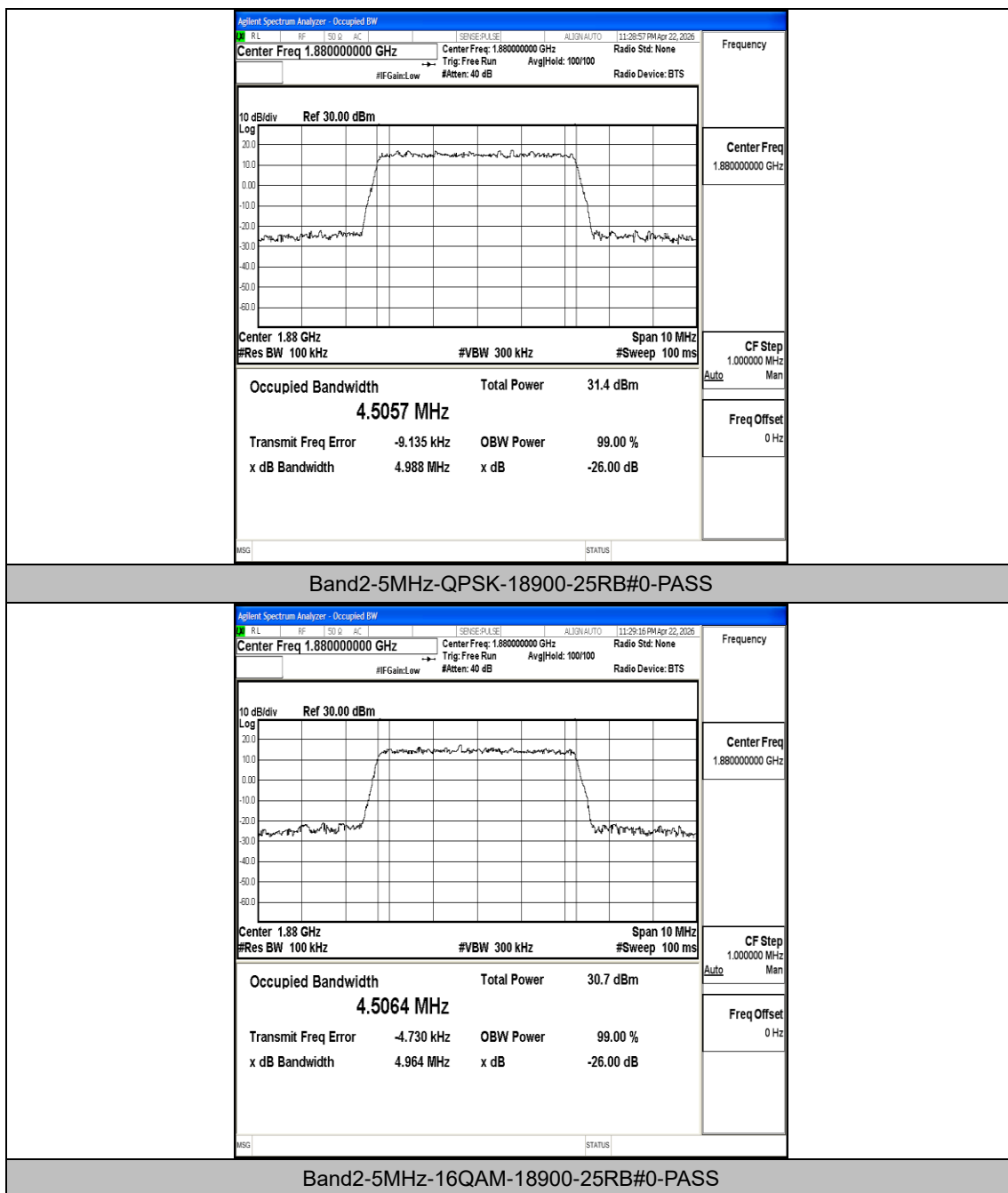


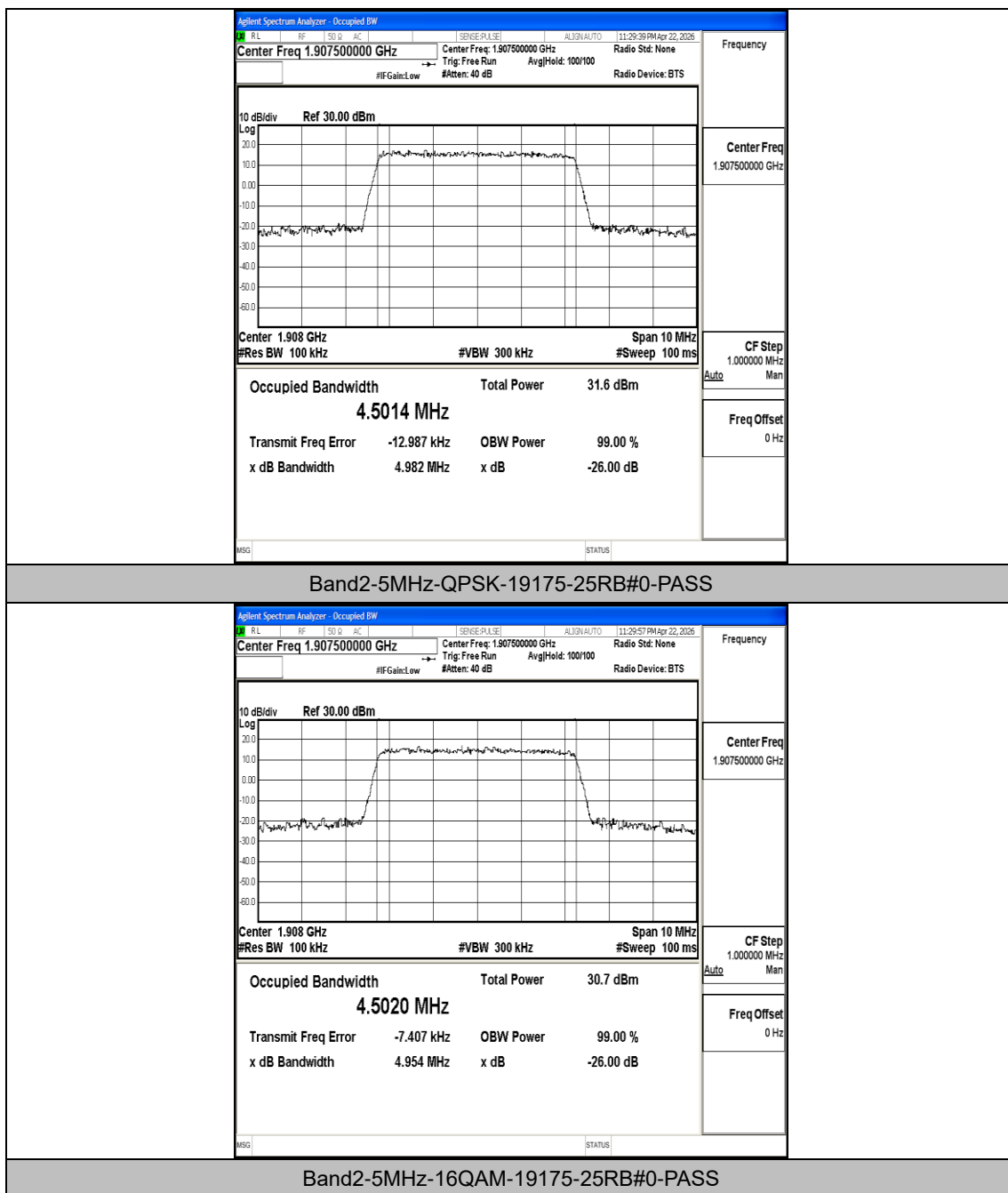


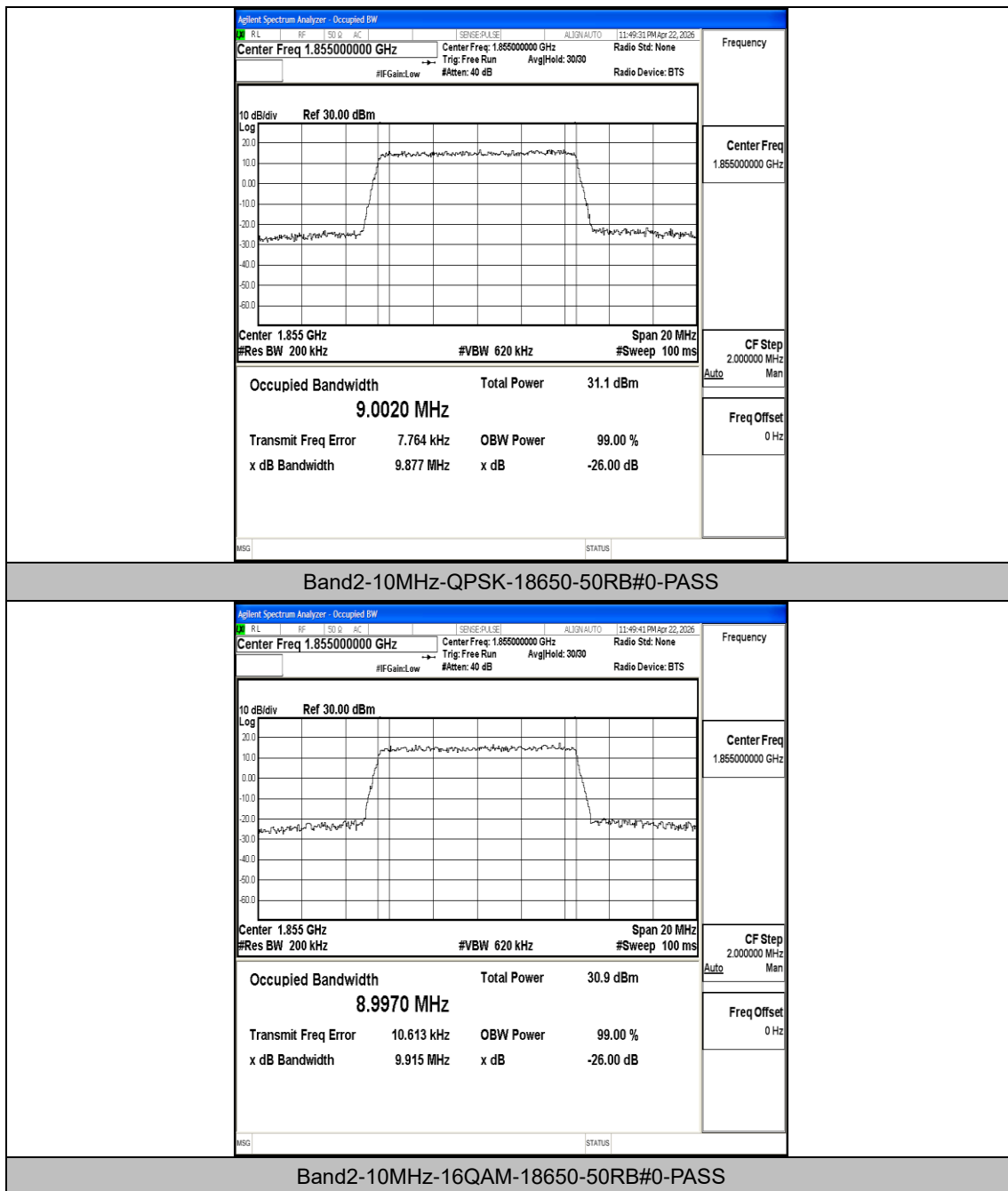


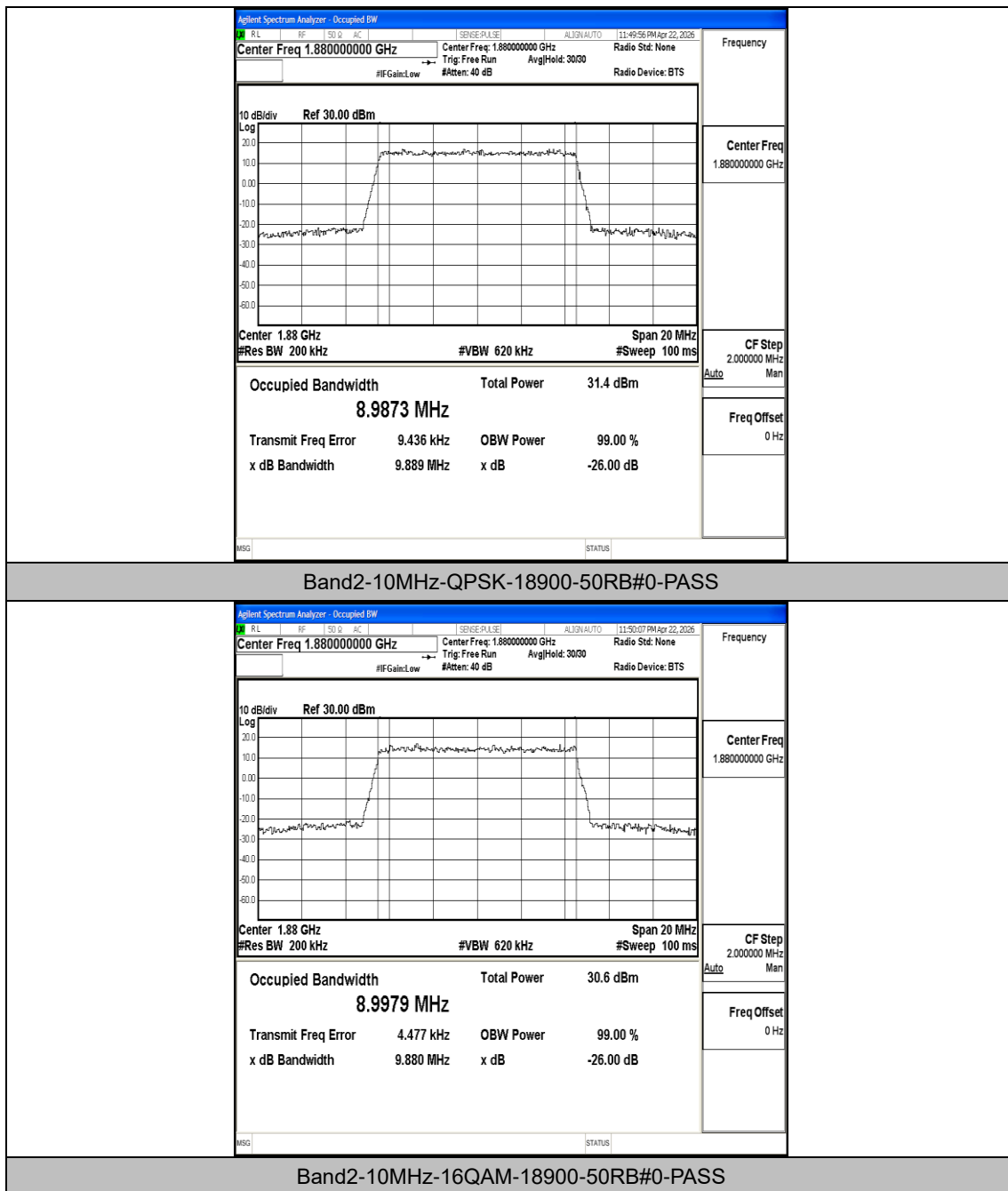


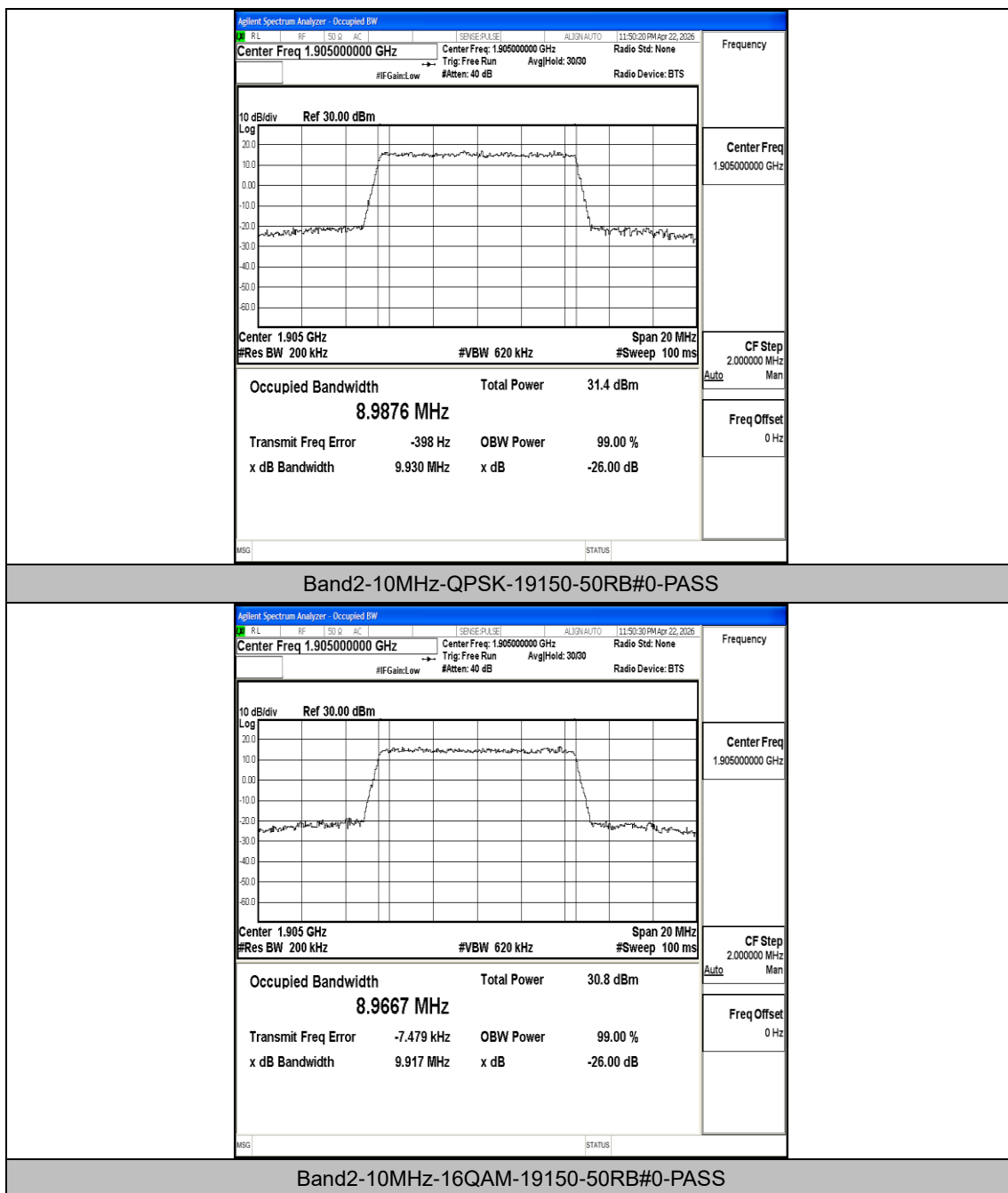


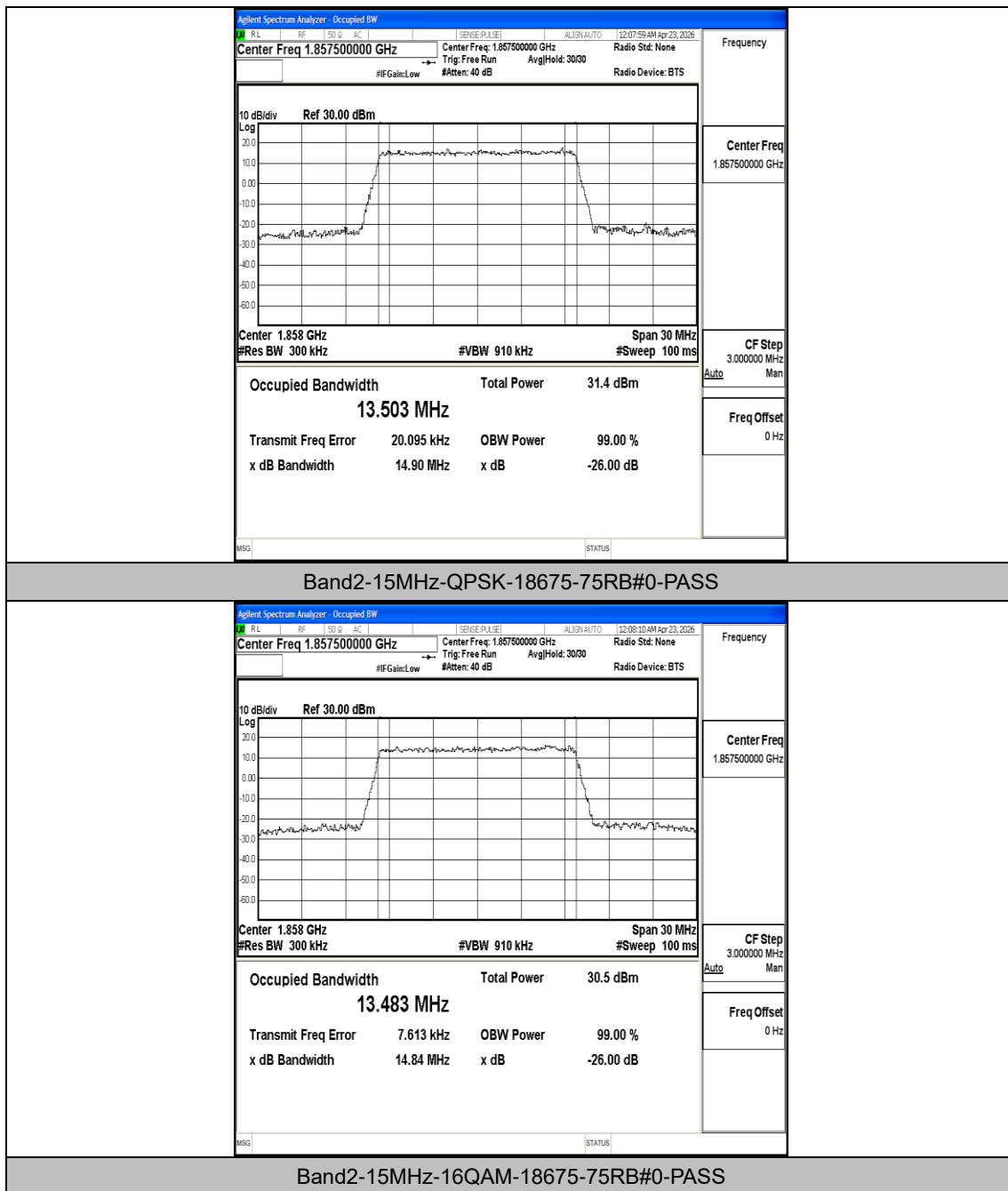


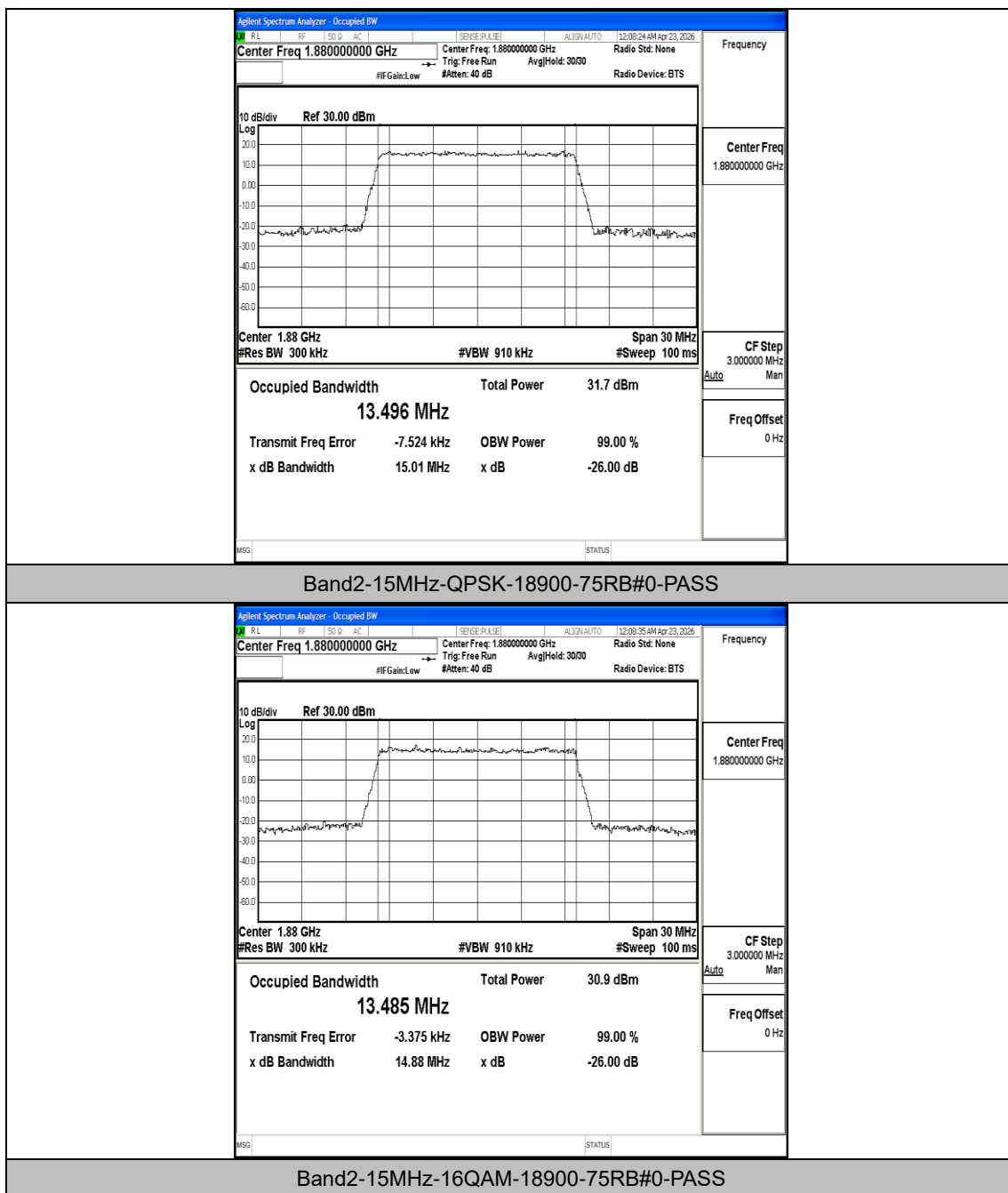


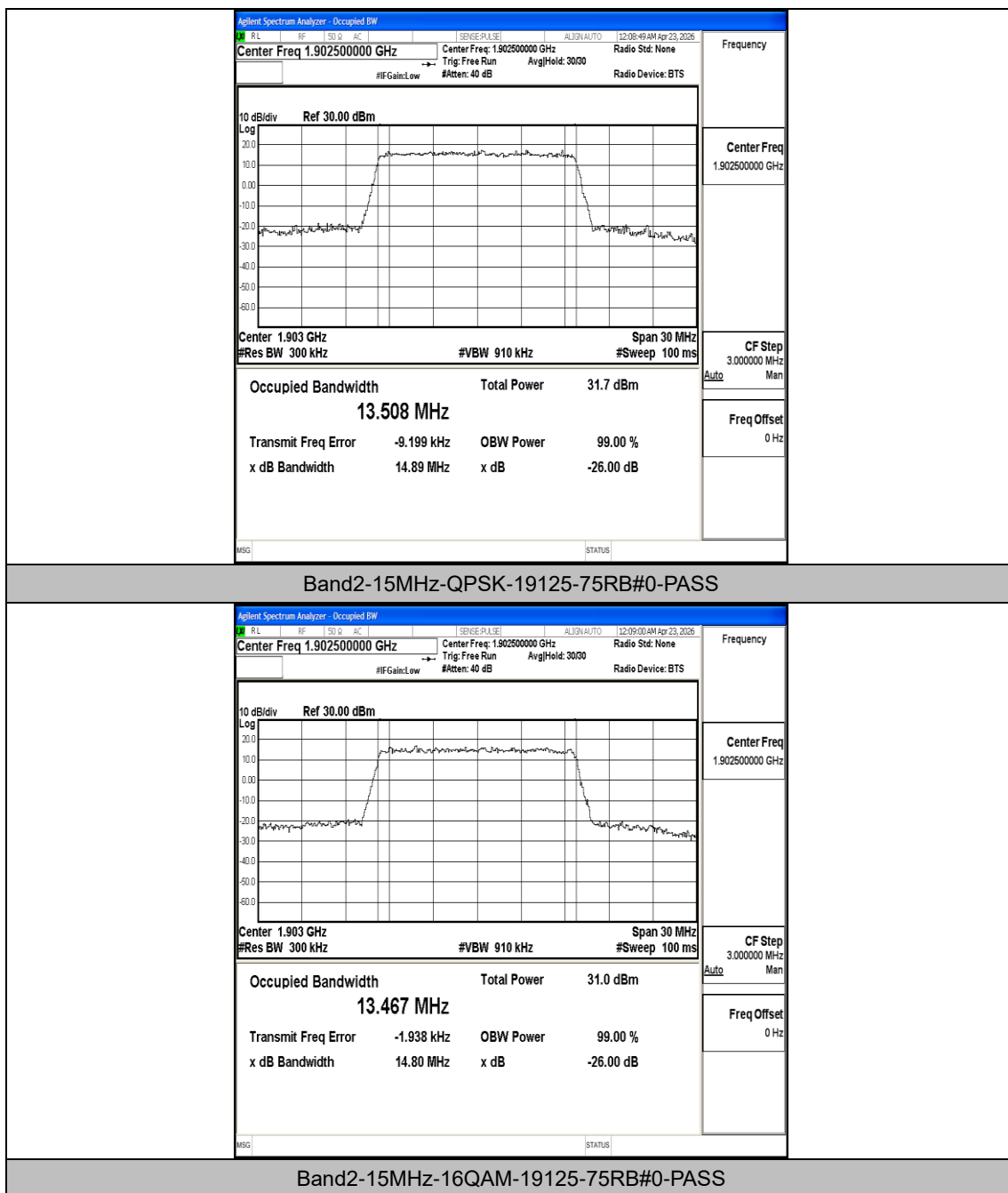


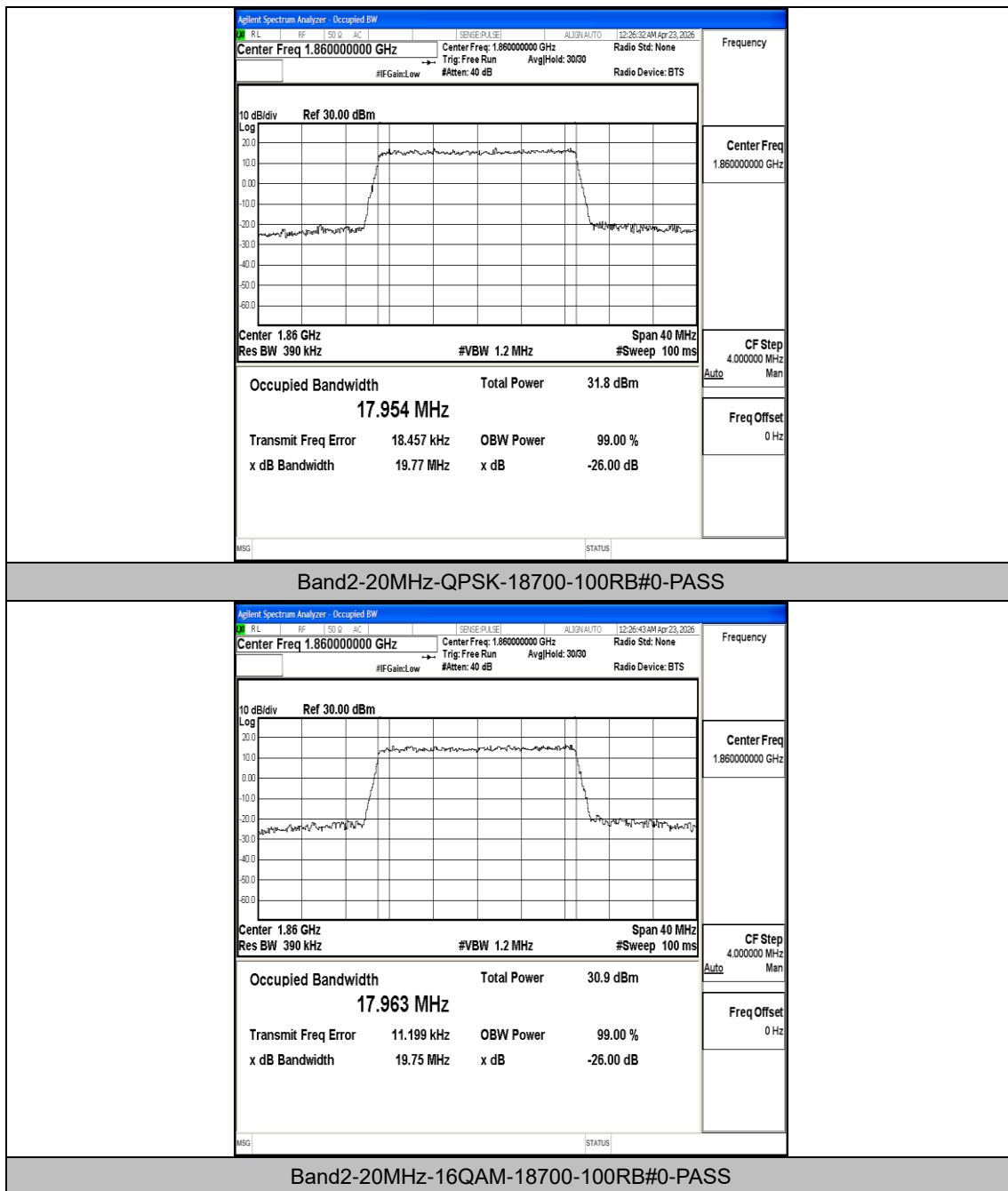


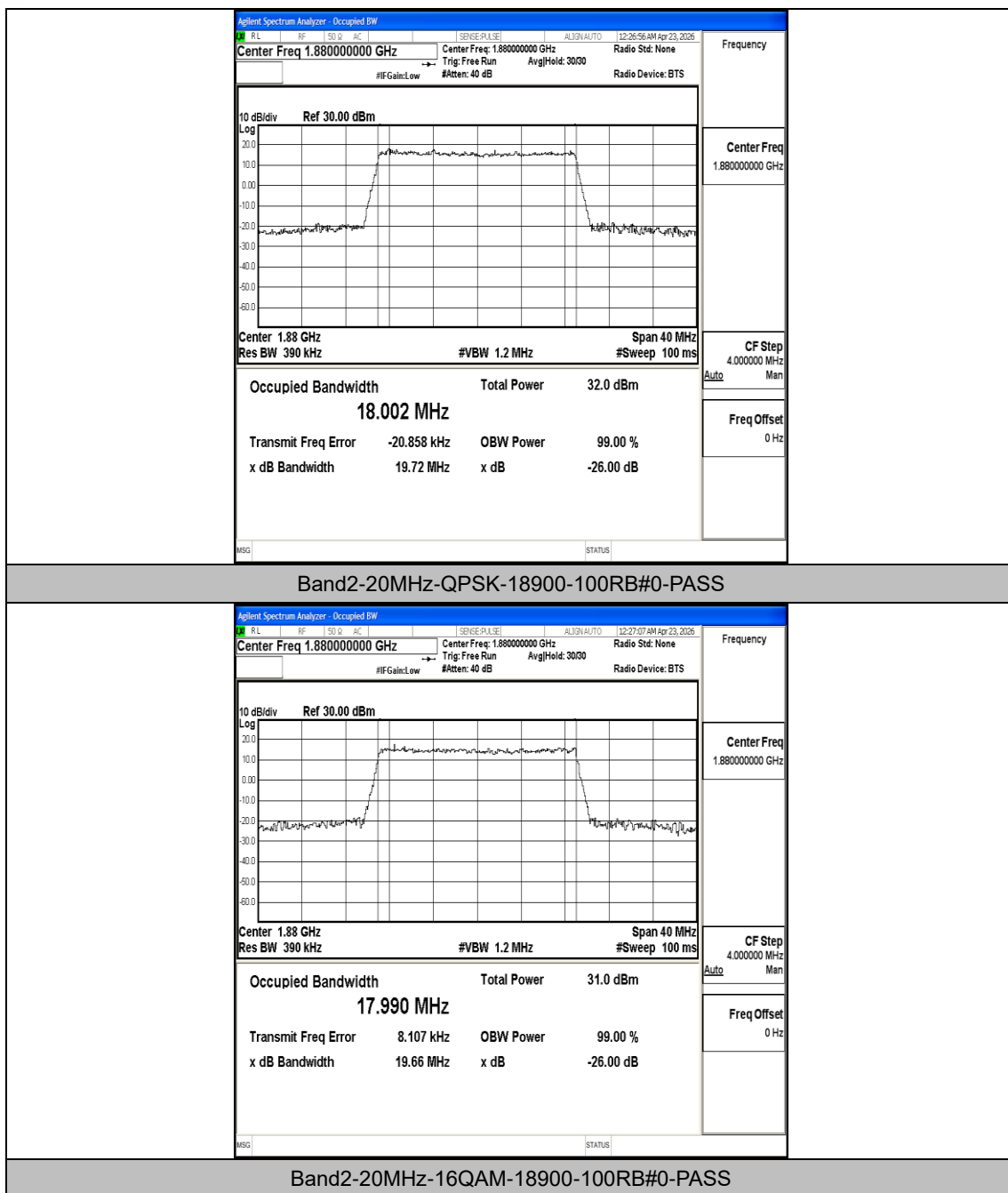


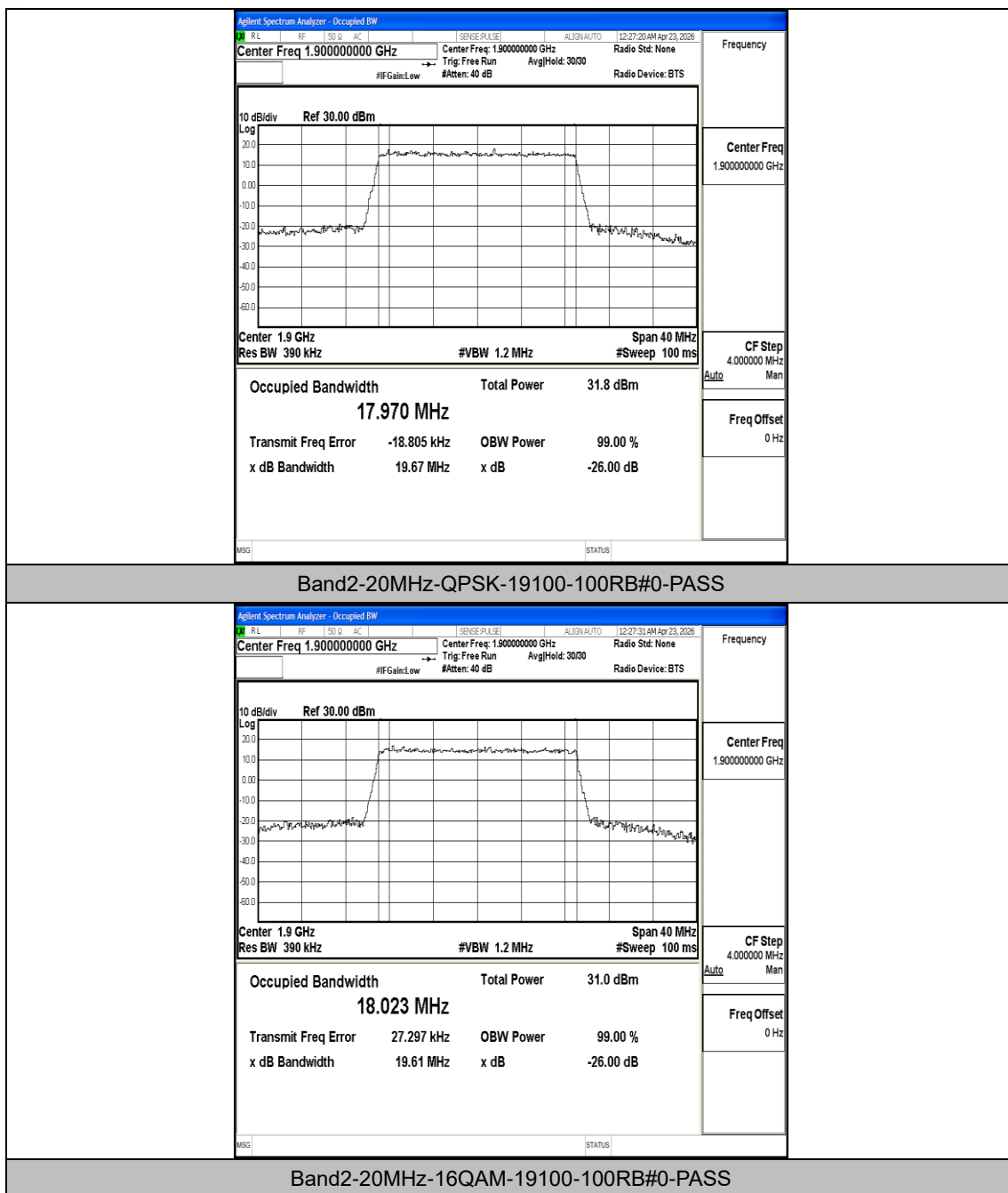












3 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1849.99	-25.58	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1850.00	-23.55	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1910.01	-21.61	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1910.05	-21.08	PASS
Band2	5MHz	QPSK	18625	25RB#0	1849.98	-18.61	PASS
Band2	5MHz	16QAM	18625	25RB#0	1850.00	-20.69	PASS
Band2	5MHz	QPSK	19175	25RB#0	1910.00	-20.04	PASS
Band2	5MHz	16QAM	19175	25RB#0	1910.01	-18.23	PASS
Band2	10MHz	QPSK	18650	50RB#0	1849.99	-21.42	PASS
Band2	10MHz	16QAM	18650	50RB#0	1849.99	-18.87	PASS
Band2	10MHz	QPSK	19150	50RB#0	1910.01	-21.13	PASS
Band2	10MHz	16QAM	19150	50RB#0	1910.07	-20.46	PASS
Band2	15MHz	QPSK	18675	75RB#0	1849.99	-17.57	PASS
Band2	15MHz	16QAM	18675	75RB#0	1849.98	-18.40	PASS
Band2	15MHz	QPSK	19125	75RB#0	1910.01	-17.03	PASS
Band2	15MHz	16QAM	19125	75RB#0	1910.02	-16.98	PASS
Band2	20MHz	QPSK	18700	100RB#0	1849.99	-19.10	PASS
Band2	20MHz	16QAM	18700	100RB#0	1849.99	-22.47	PASS
Band2	20MHz	QPSK	19100	100RB#0	1910.03	-20.18	PASS
Band2	20MHz	16QAM	19100	100RB#0	1910.18	-22.99	PASS
Band2	3MHz	QPSK	18615	15RB#0	1849.99	-18.28	PASS
Band2	3MHz	16QAM	18615	15RB#0	1850.00	-18.75	PASS
Band2	3MHz	QPSK	19185	15RB#0	1910.00	-18.58	PASS
Band2	3MHz	16QAM	19185	15RB#0	1910.01	-18.31	PASS