

FCC Appendix RF Test Data for LTE Band 2

Product Name: AI camera

Test Model: K7 max, K8 max

Environmental Conditions

Temperature:	23.4°C
Relative Humidity:	54.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

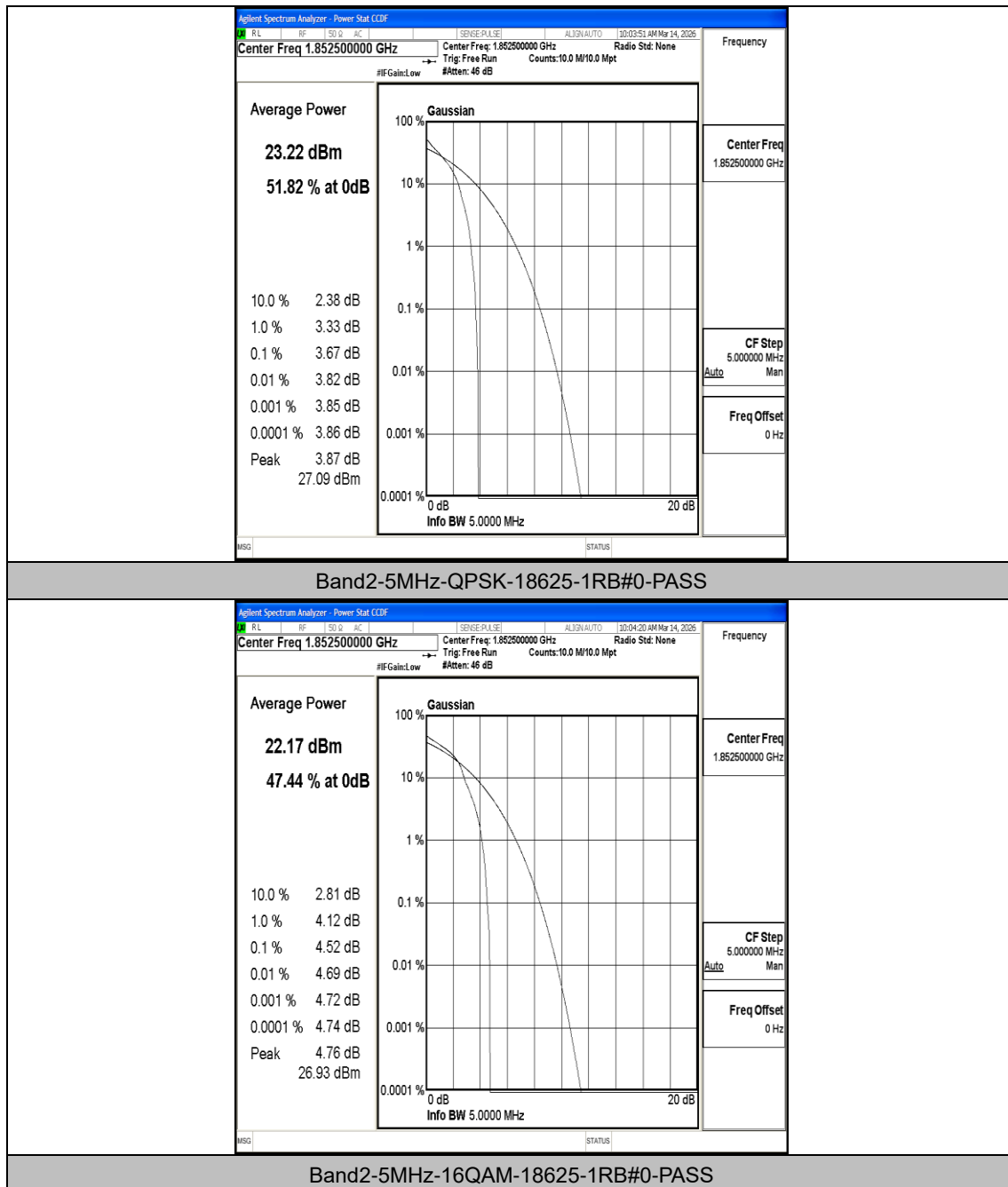
A Peak-to-Average Ratio(CCDF)

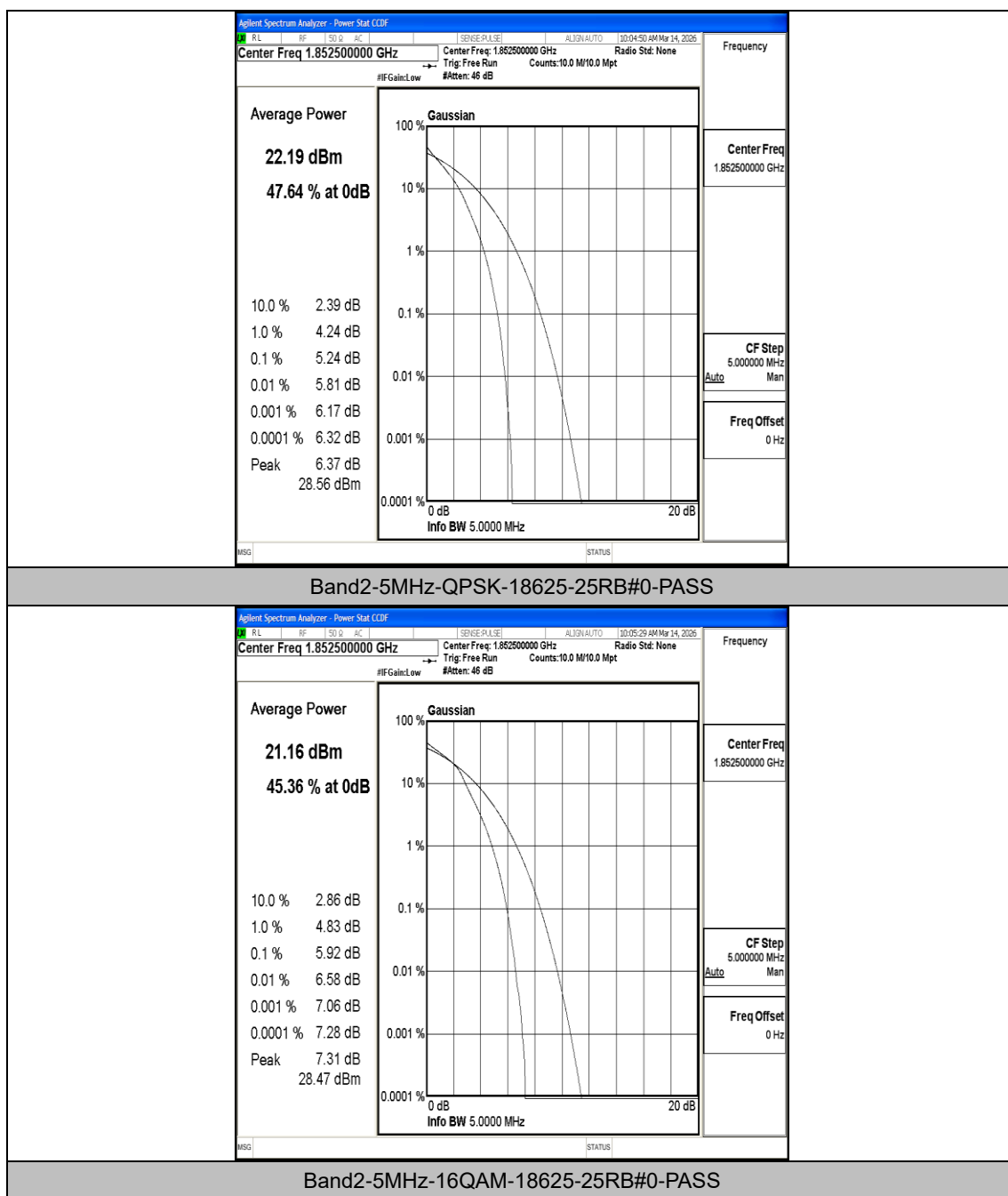
Test Result

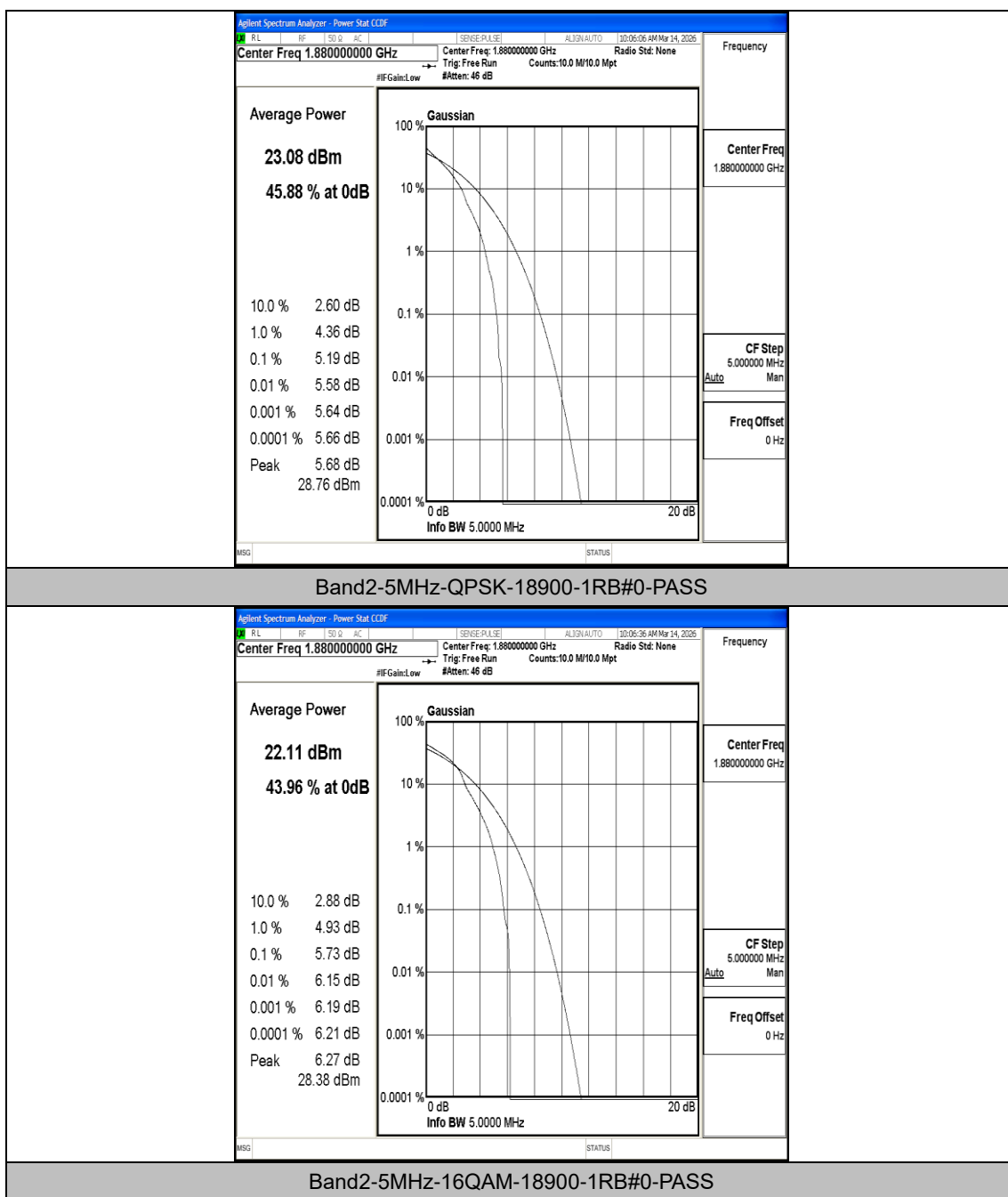
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	5MHz	QPSK	18625	1RB#0	3.67	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	4.52	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.24	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	5.92	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	5.19	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	5.73	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.82	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.46	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	5.08	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.64	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.83	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.48	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	3.70	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	4.63	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.23	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	5.97	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.93	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	5.76	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.71	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.44	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	4.68	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.52	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.78	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	3.75	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	4.68	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.53	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.12	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.93	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.77	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.99	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.51	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.49	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	4.59	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	5.45	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	6.04	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.53	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	3.69	13	PASS

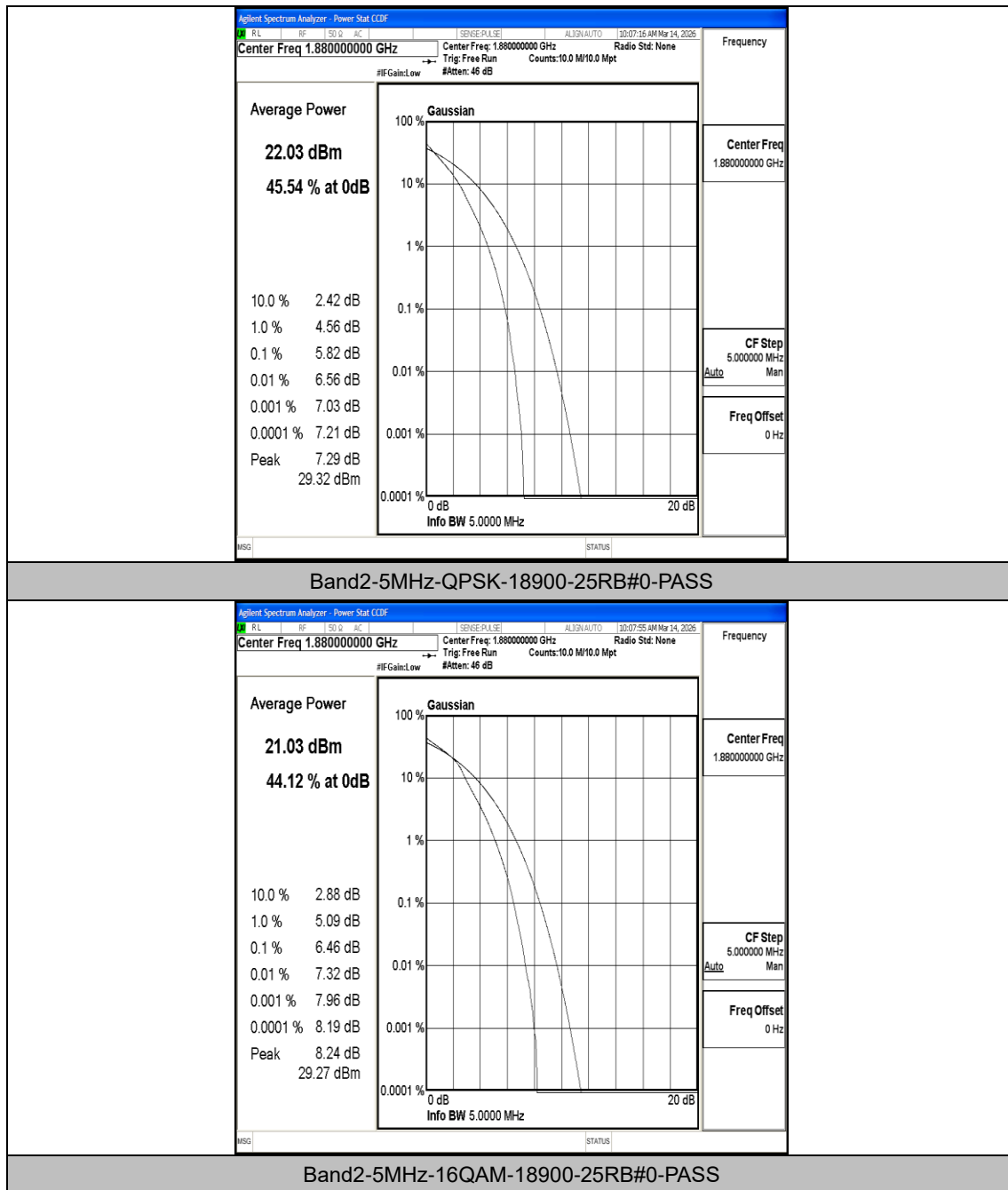
Band2	20MHz	16QAM	18700	1RB#0	4.52	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.36	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.13	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.69	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.36	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.67	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.46	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	4.65	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.36	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.72	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.47	13	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	3.70	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	4.80	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	4.88	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.69	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	5.08	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.86	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.74	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.48	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.97	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.80	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.68	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	6.48	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	3.76	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	4.71	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	4.93	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	5.74	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	5.14	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	6.01	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.74	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.51	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	5.14	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.97	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.70	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.50	13	PASS

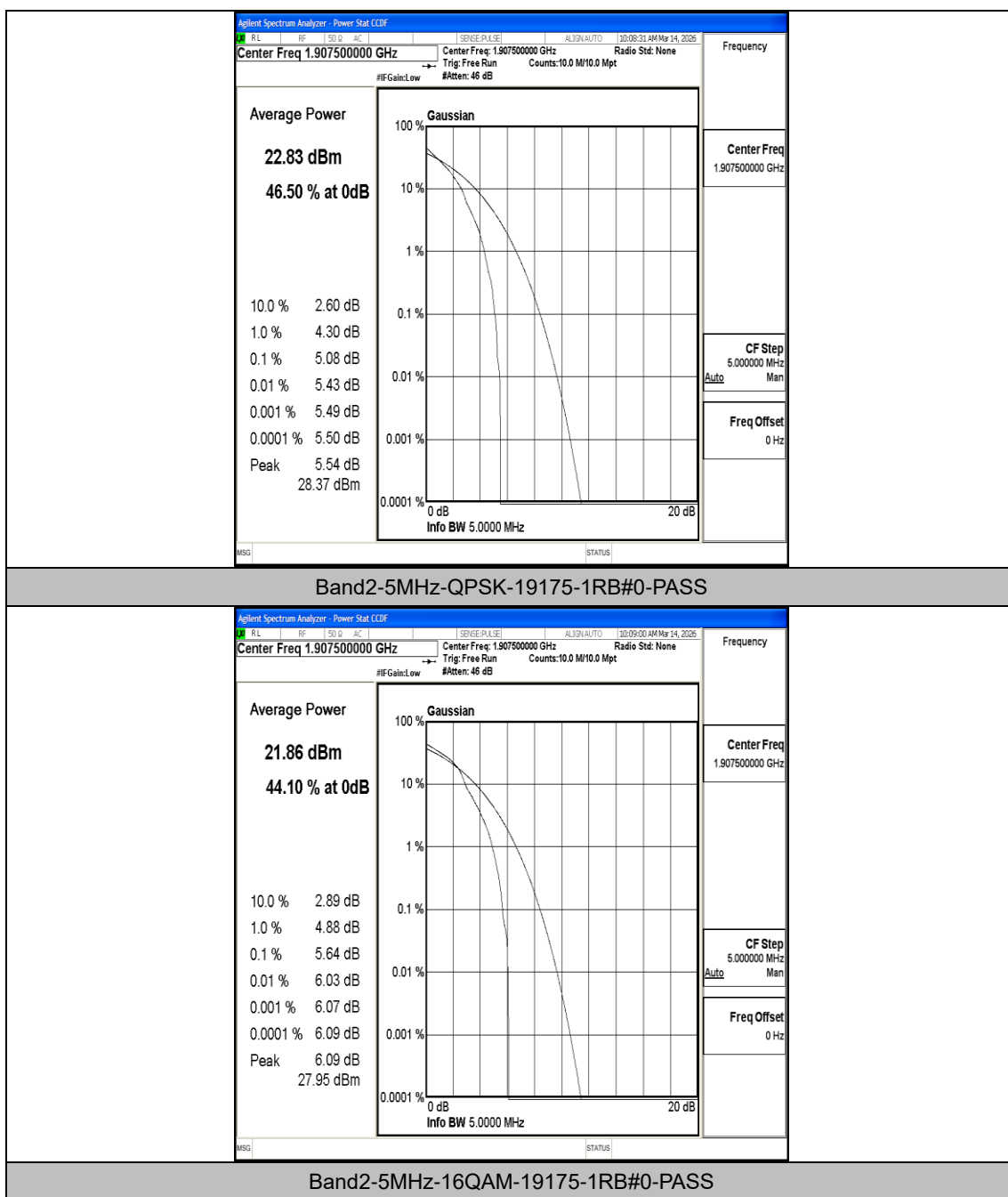
Test Graphs

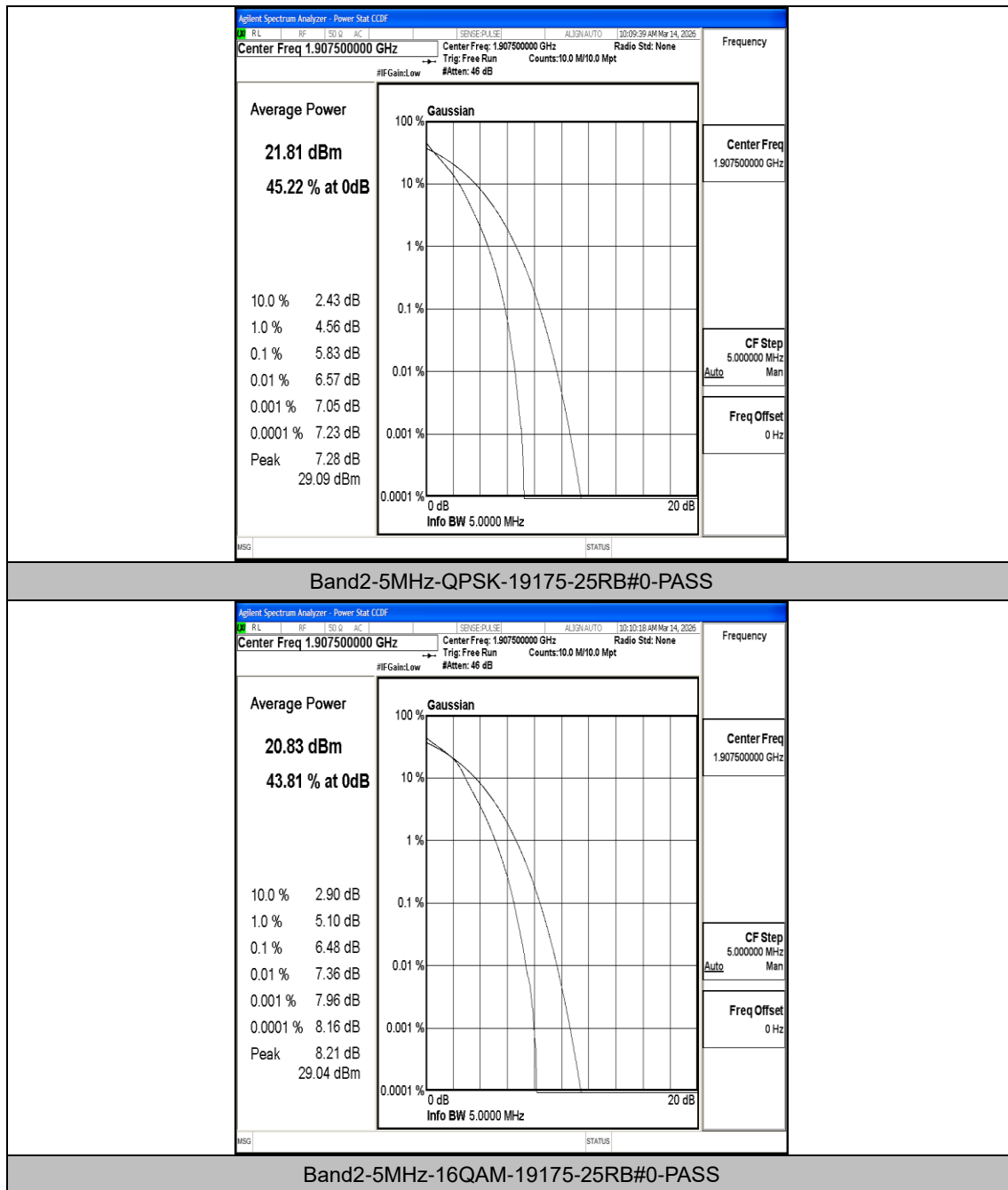


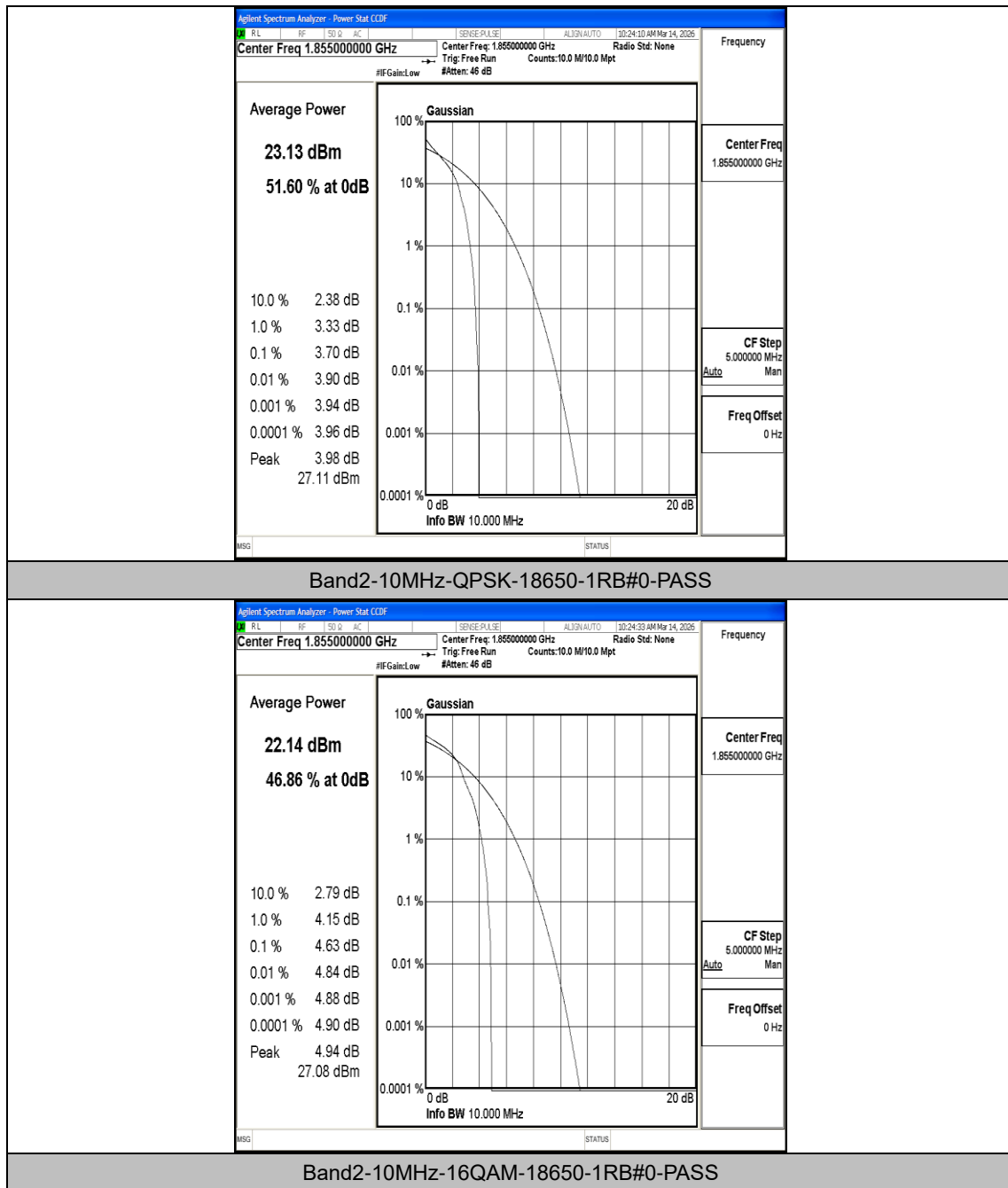


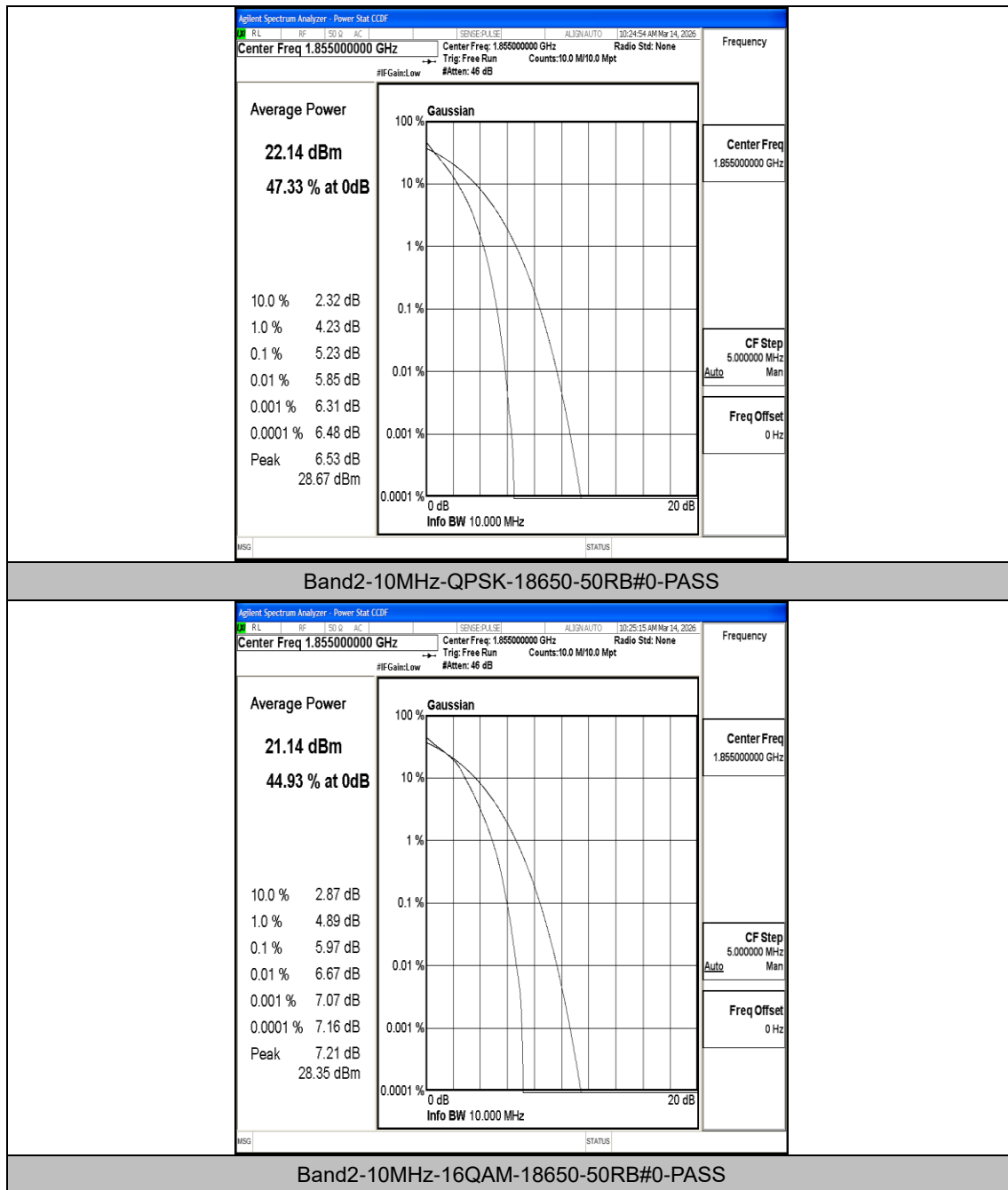


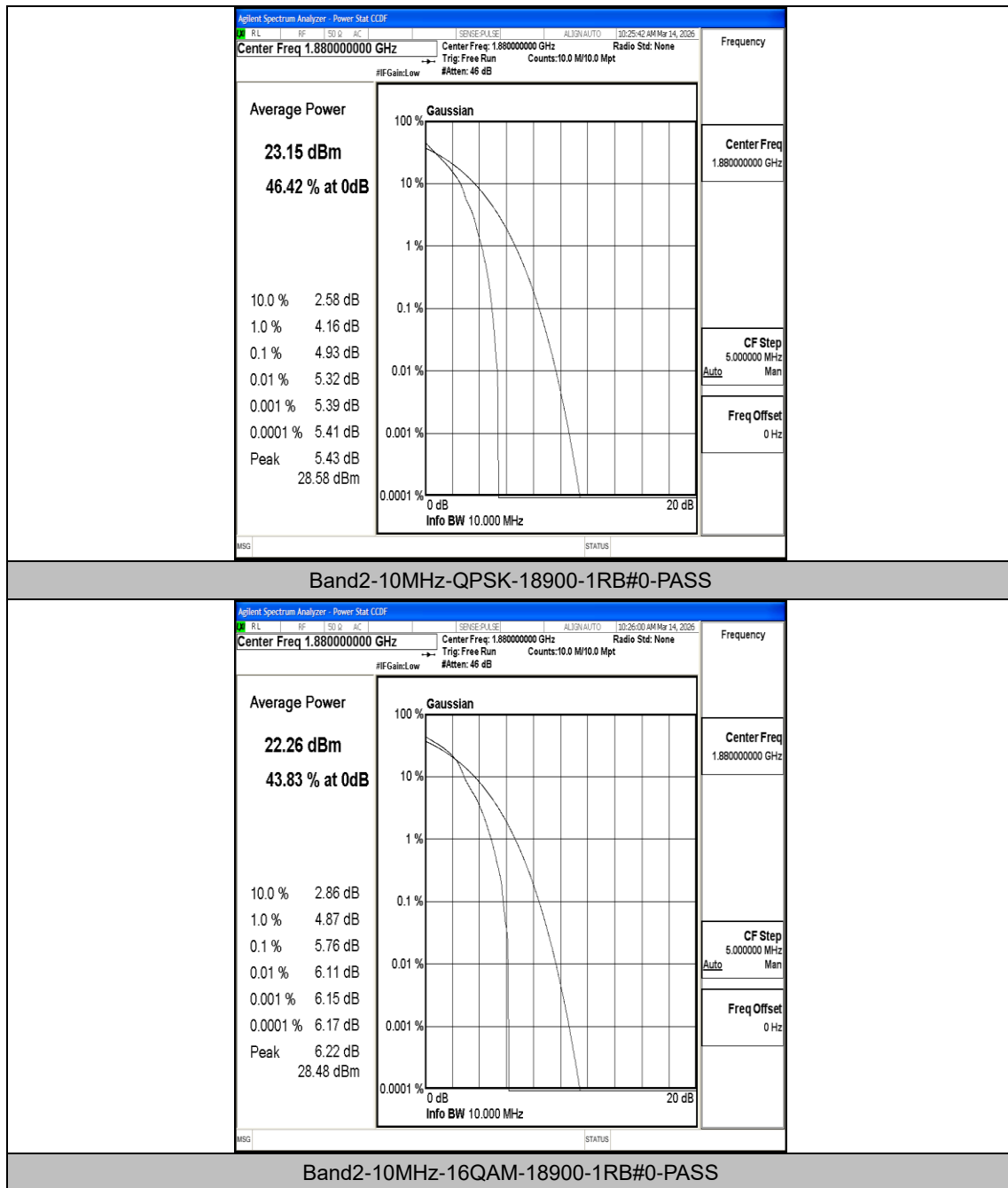


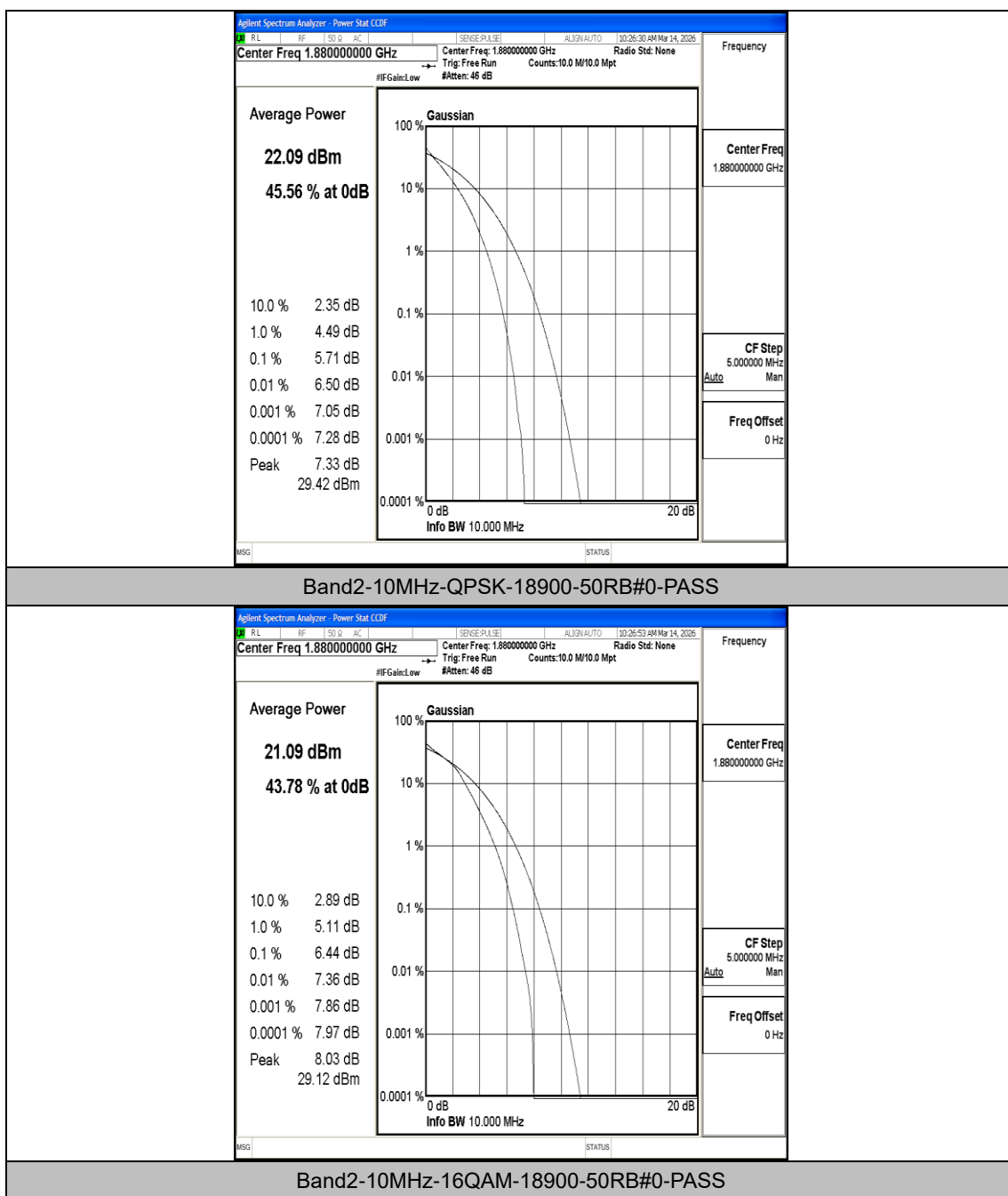


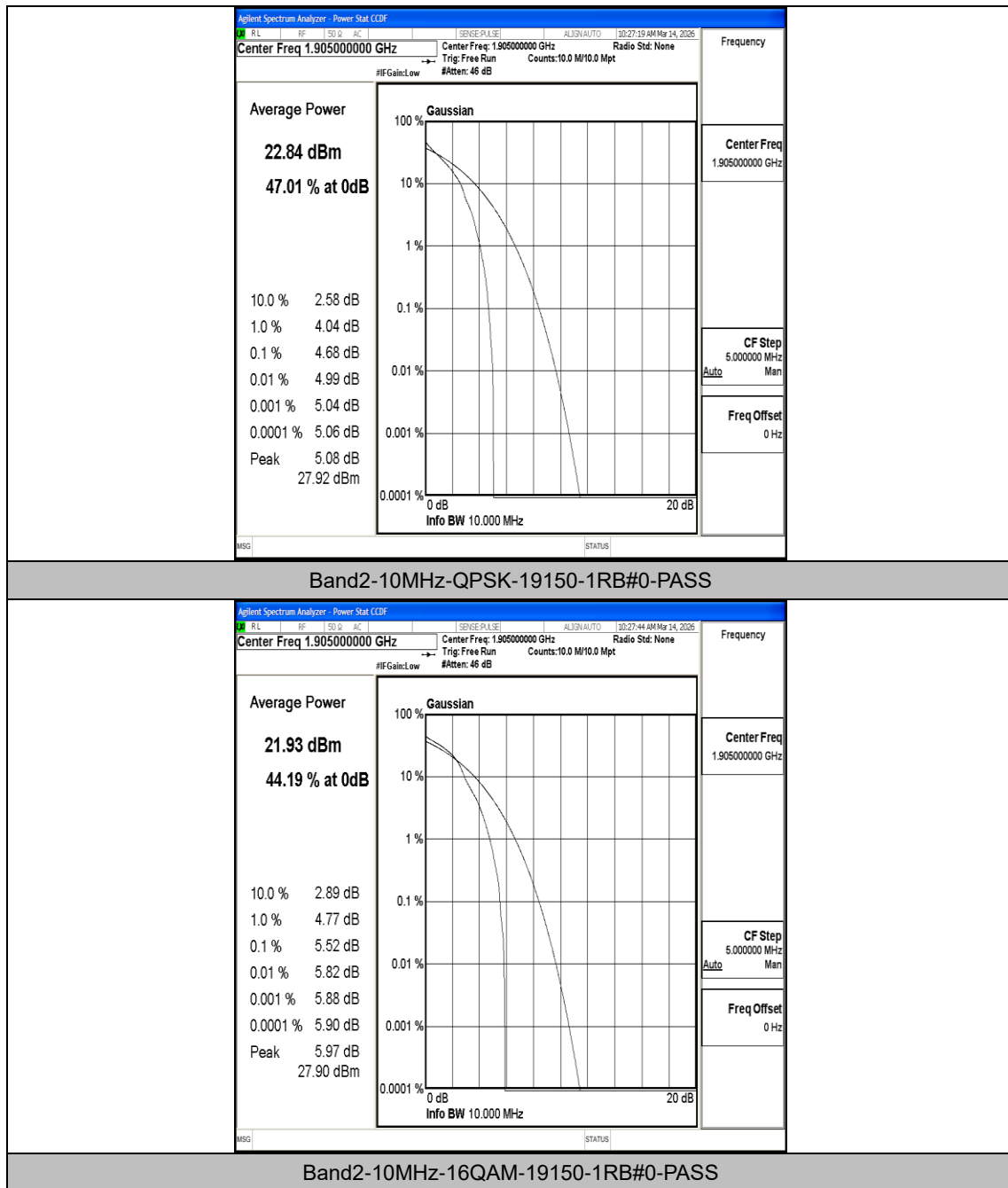


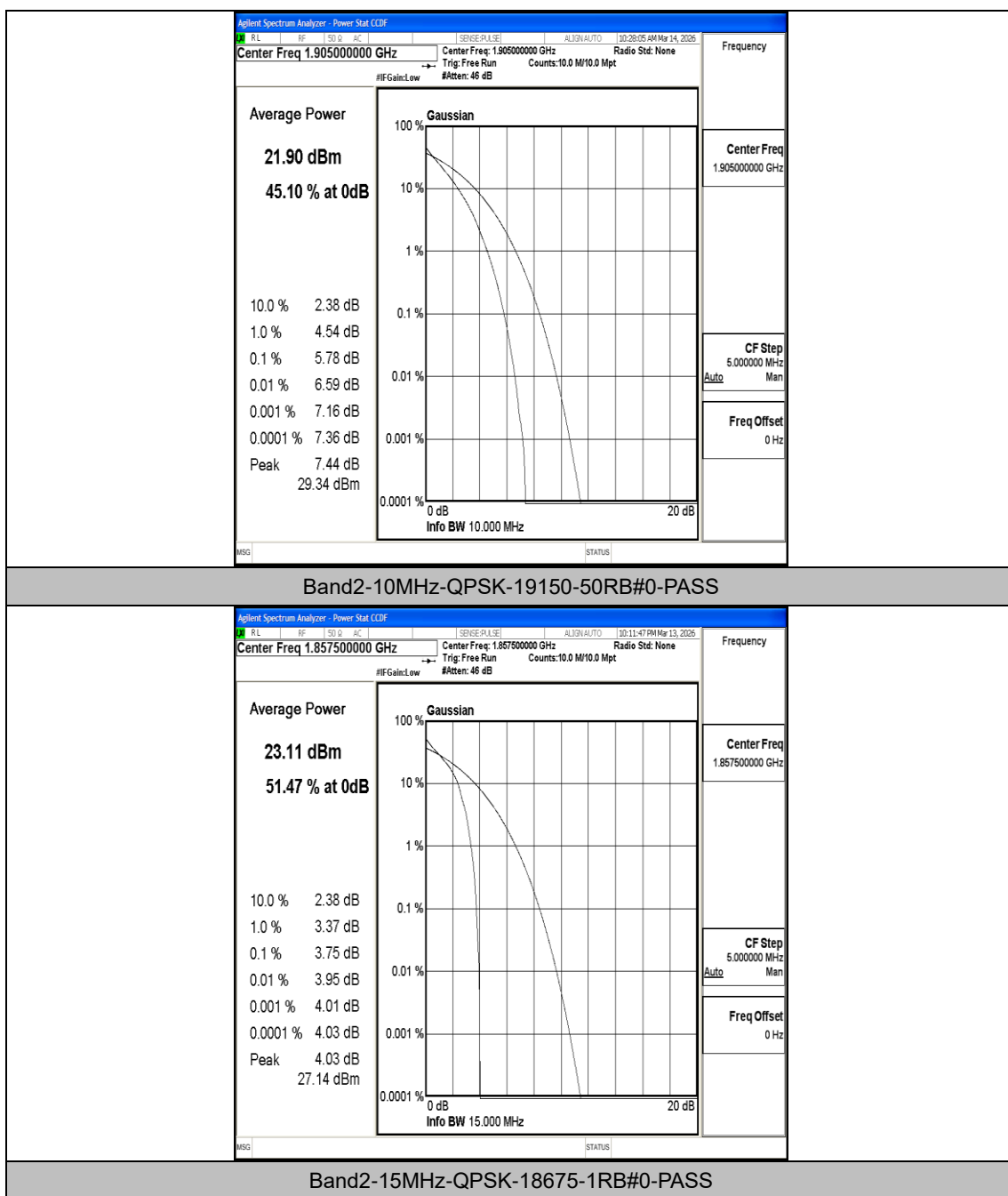


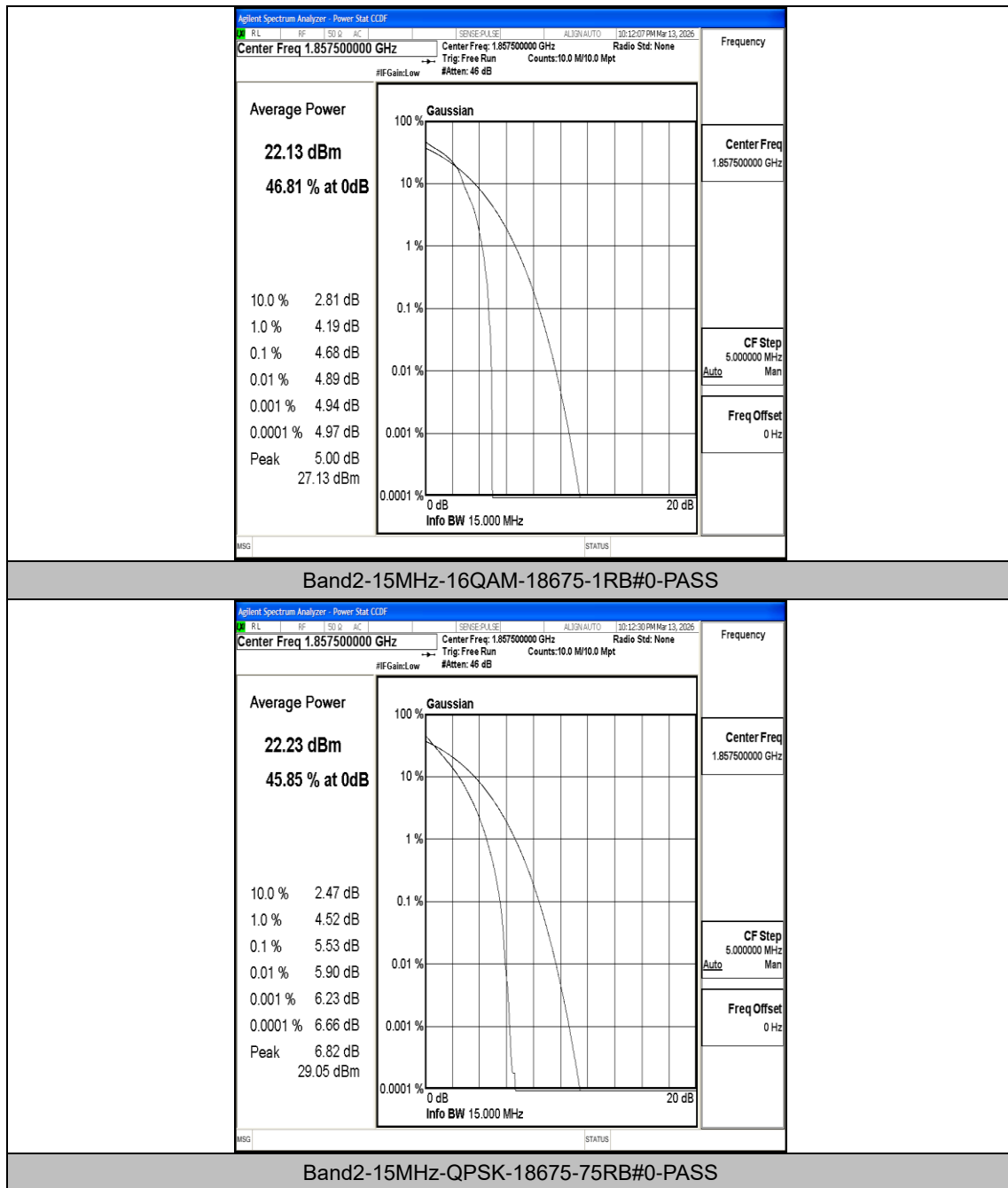


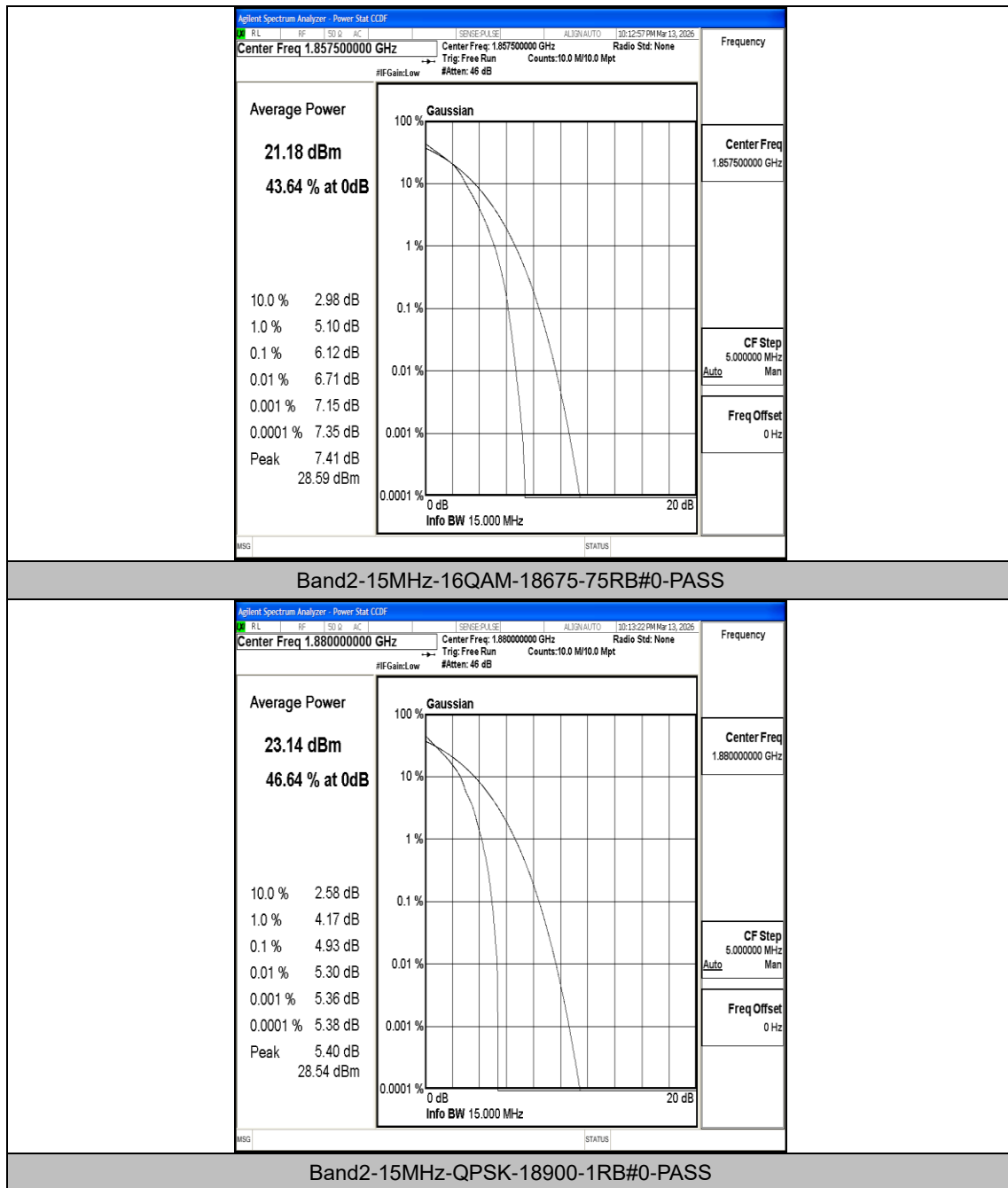


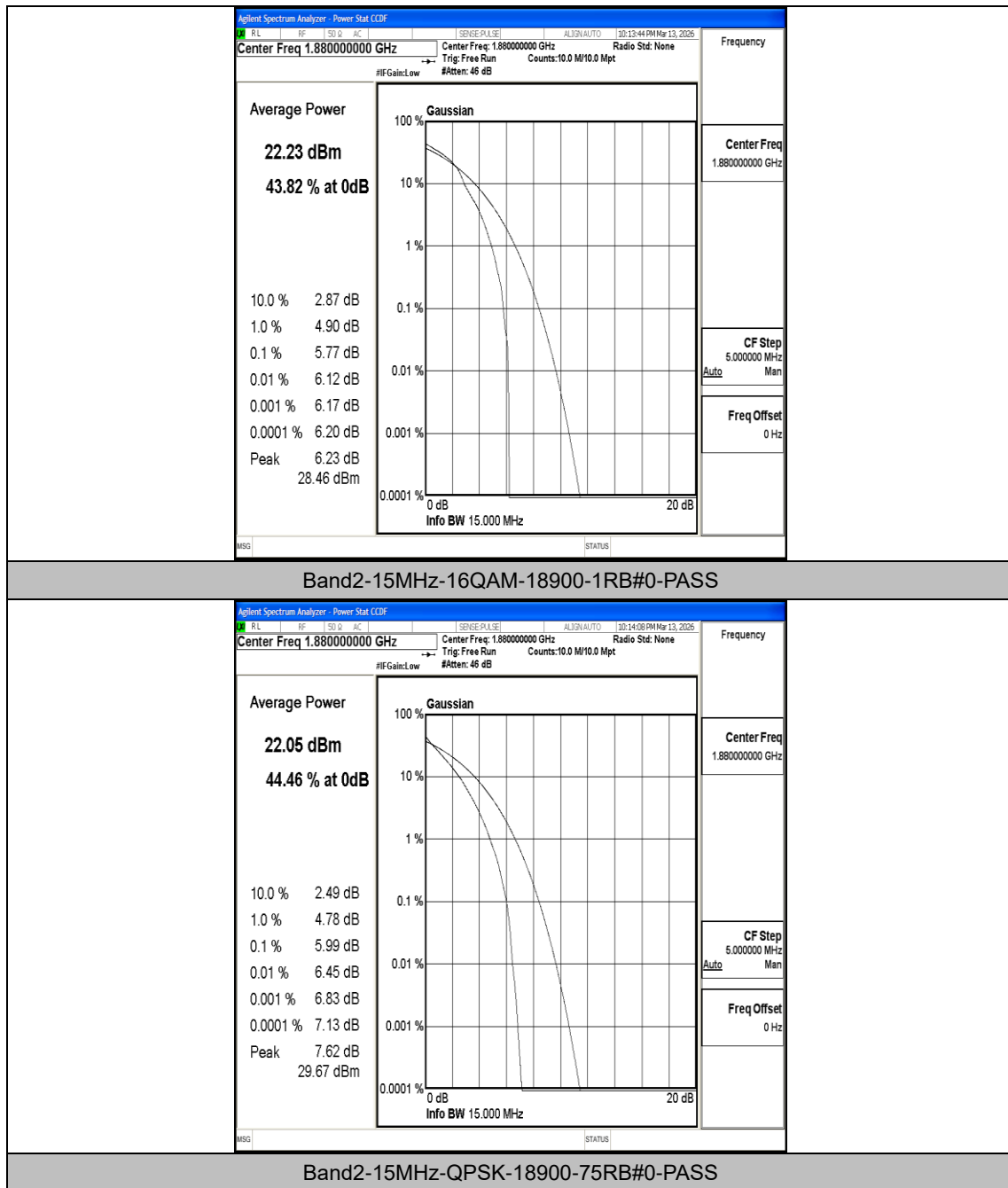


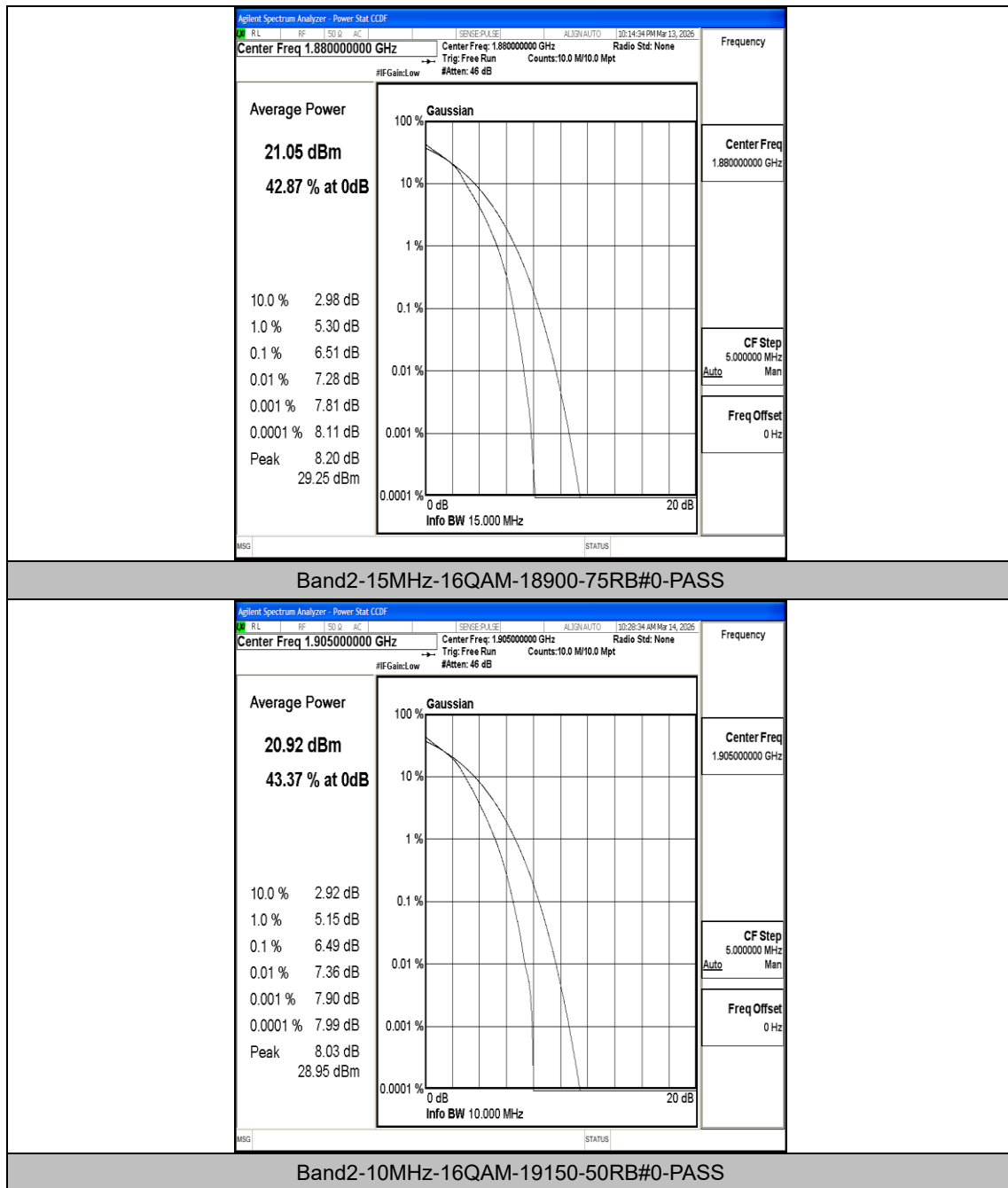


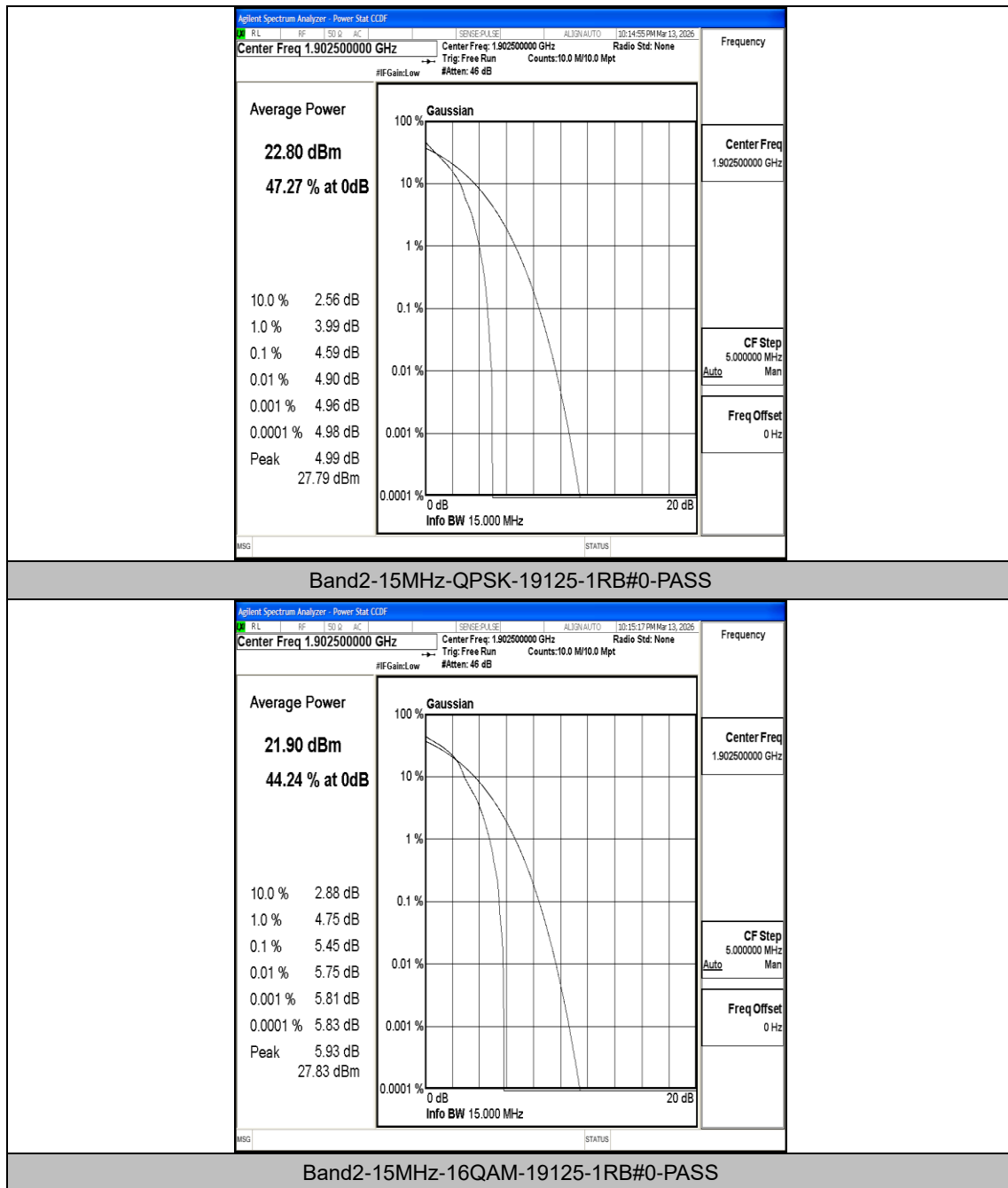


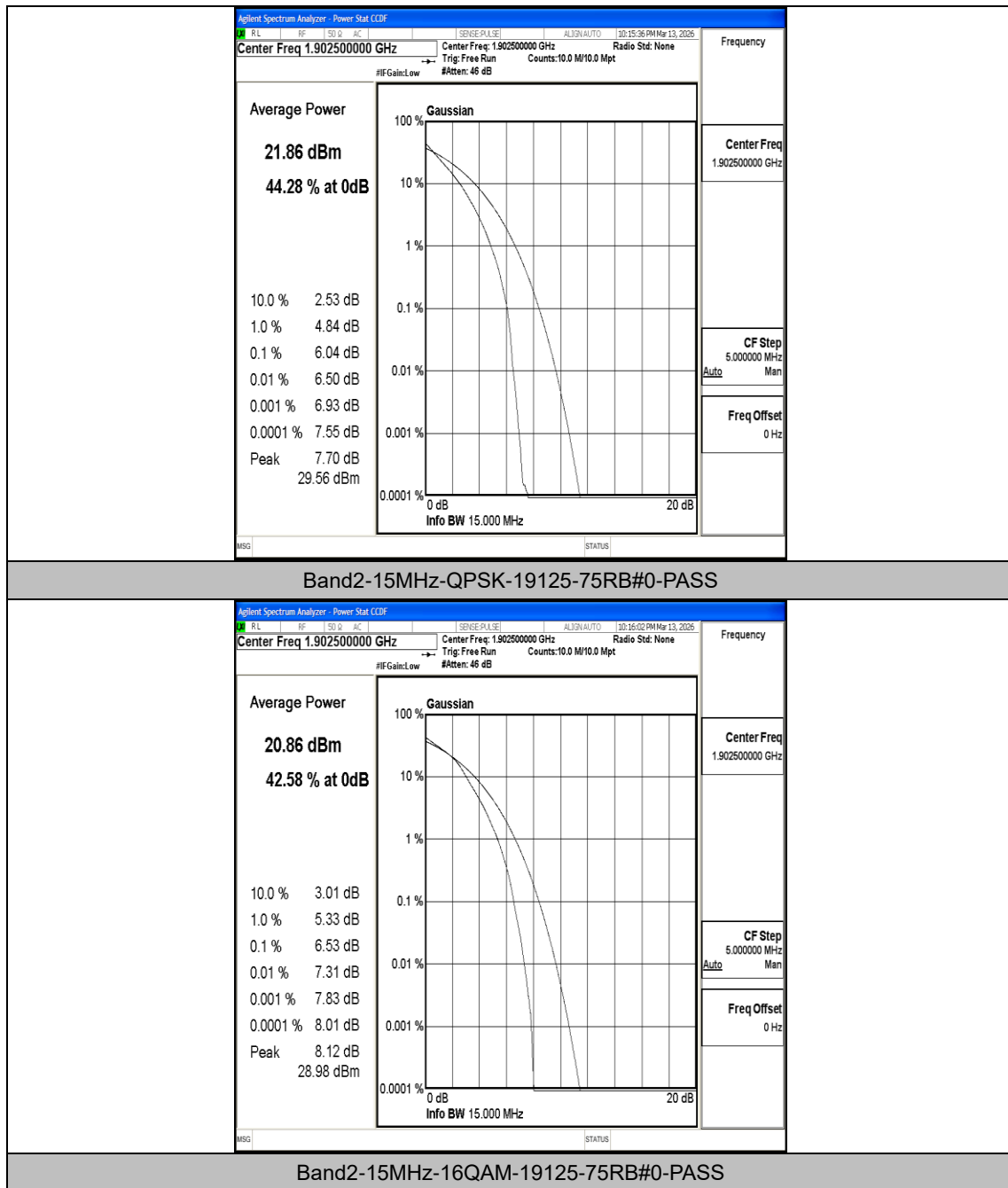


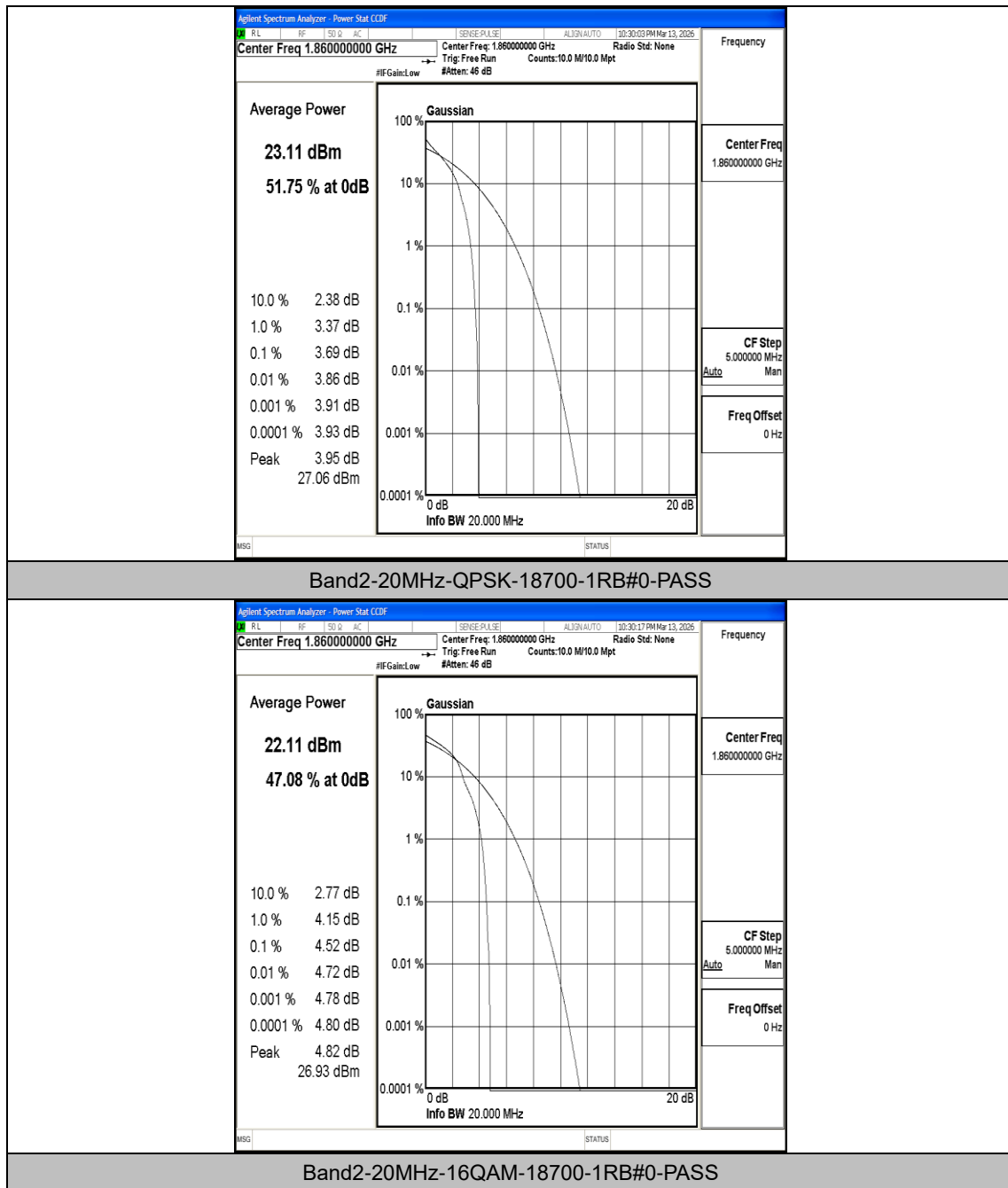


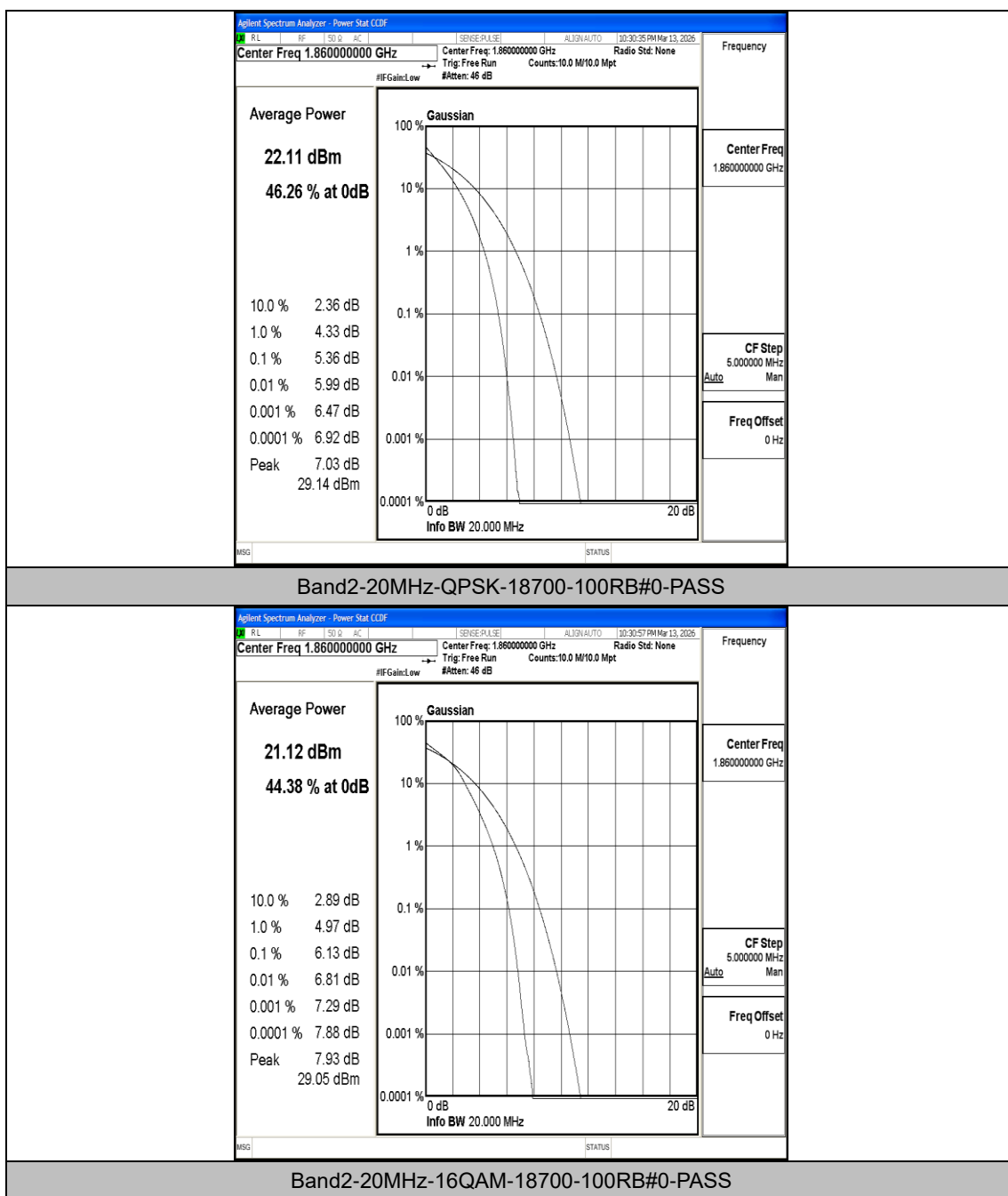


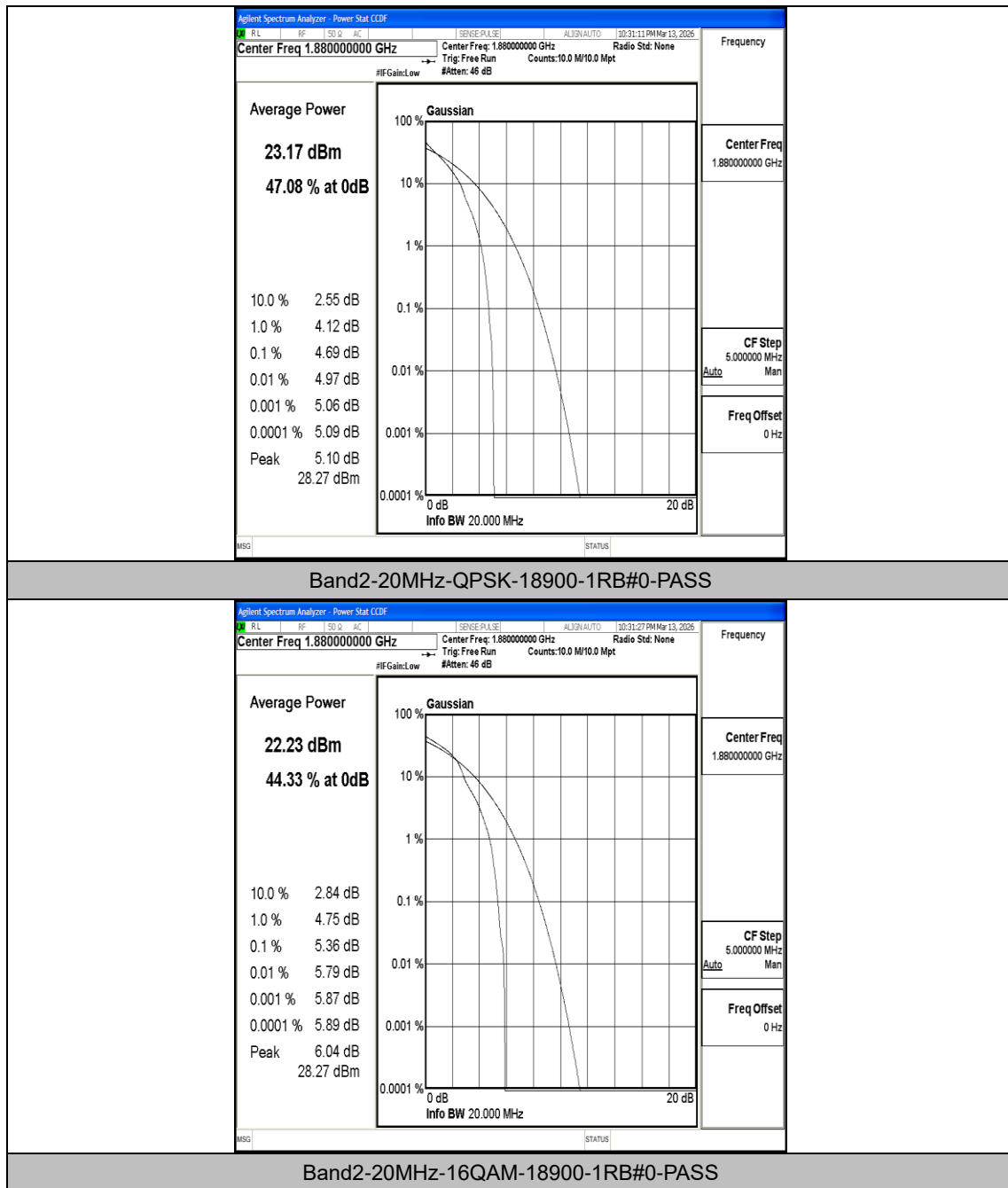


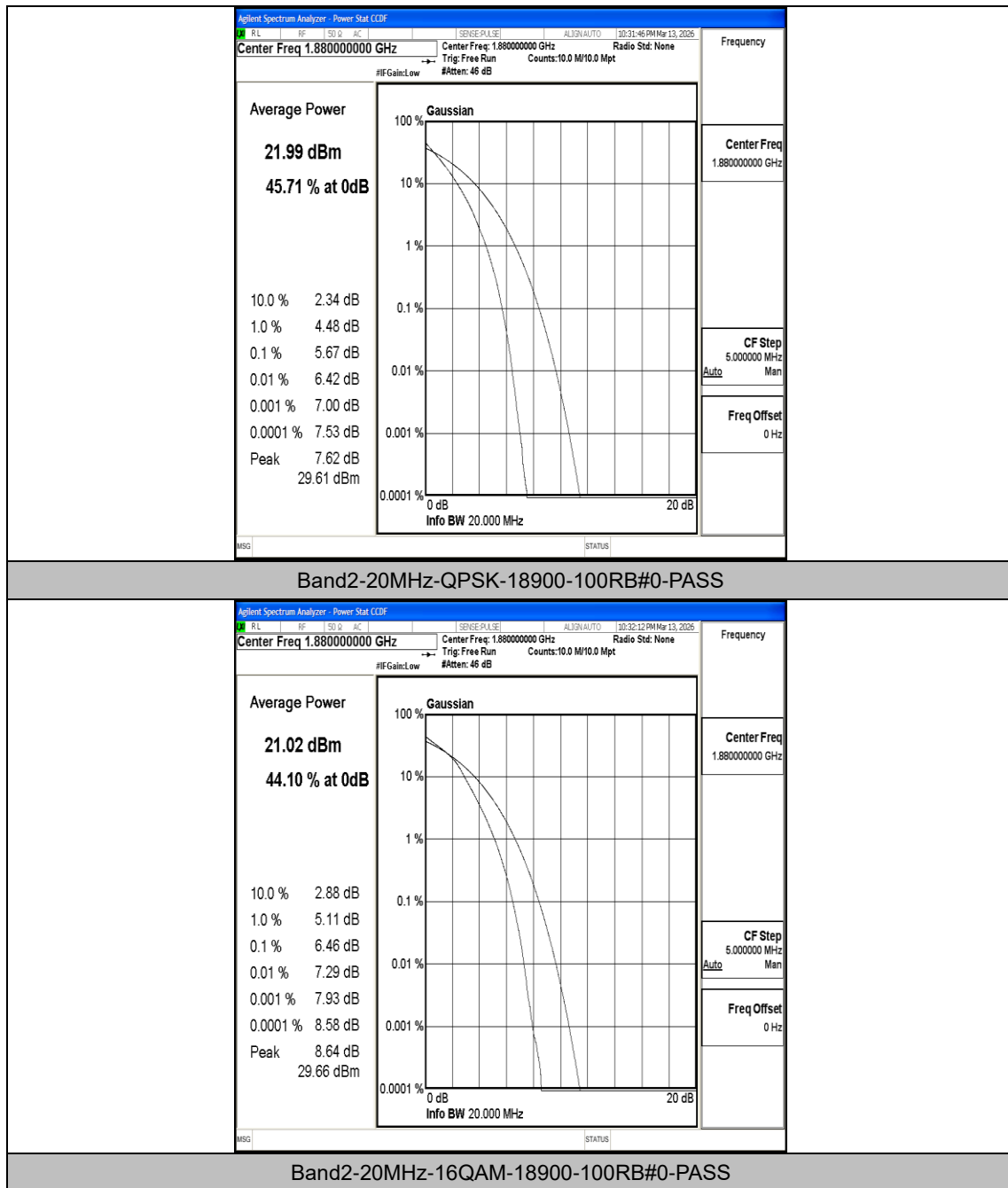


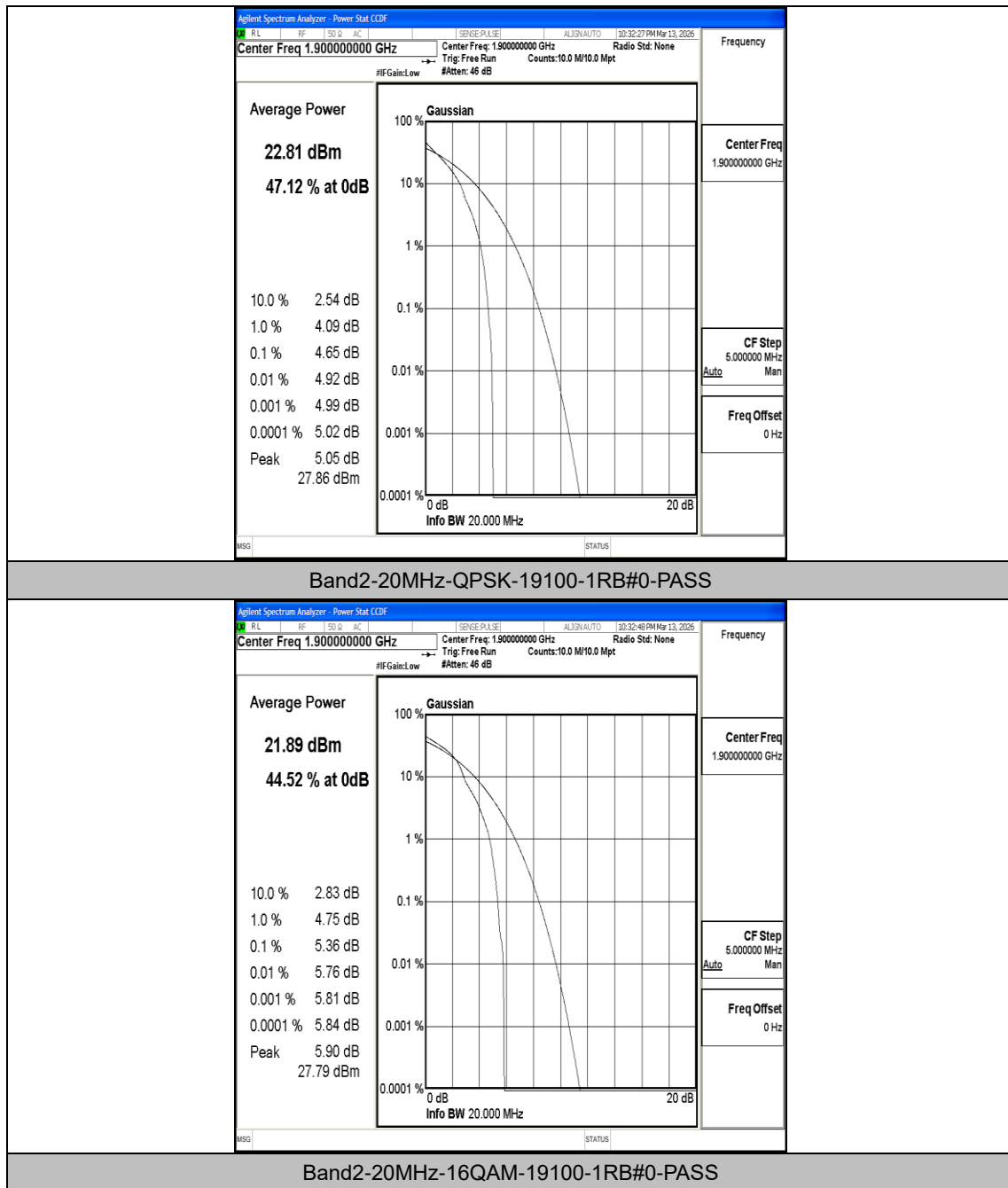


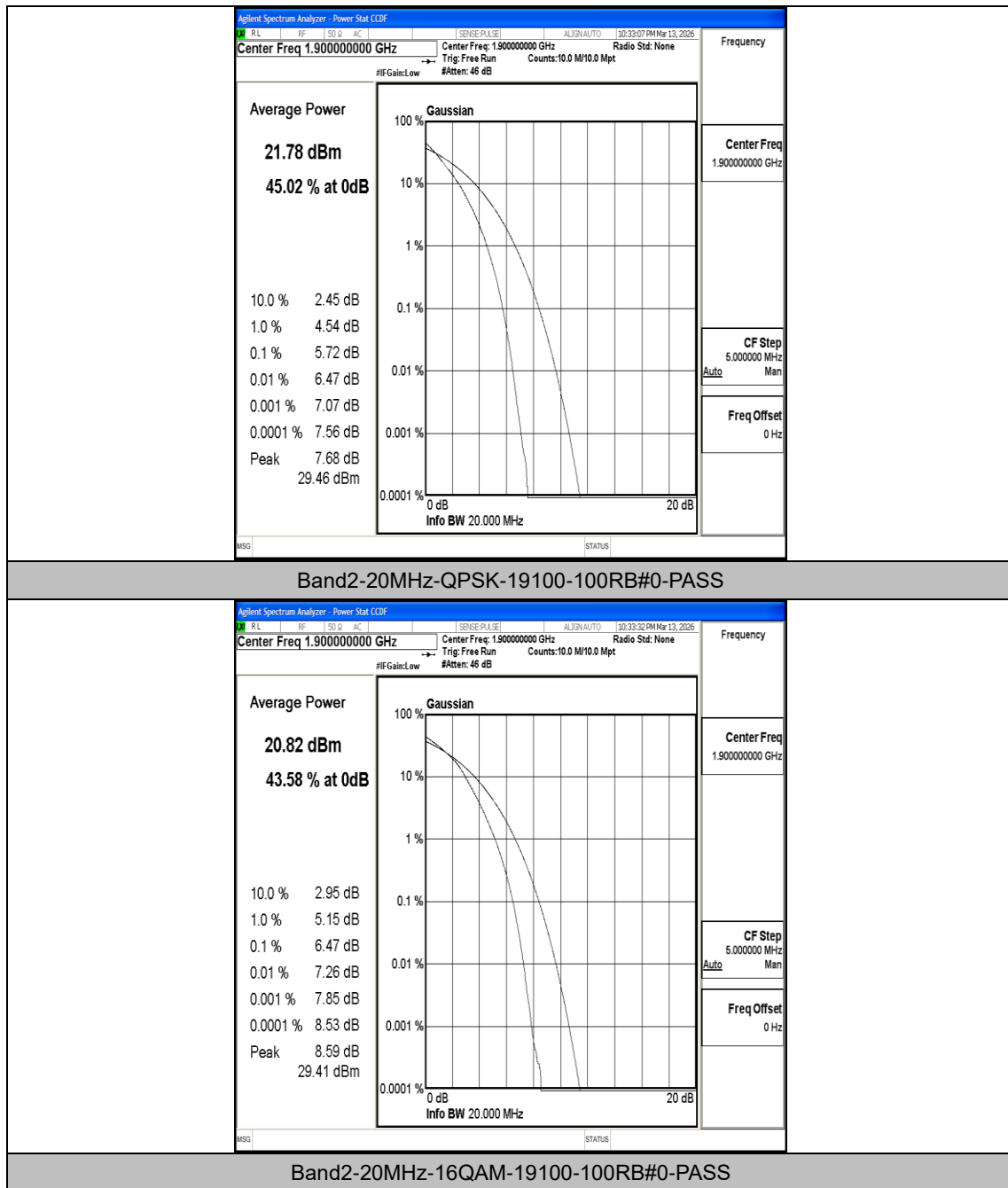


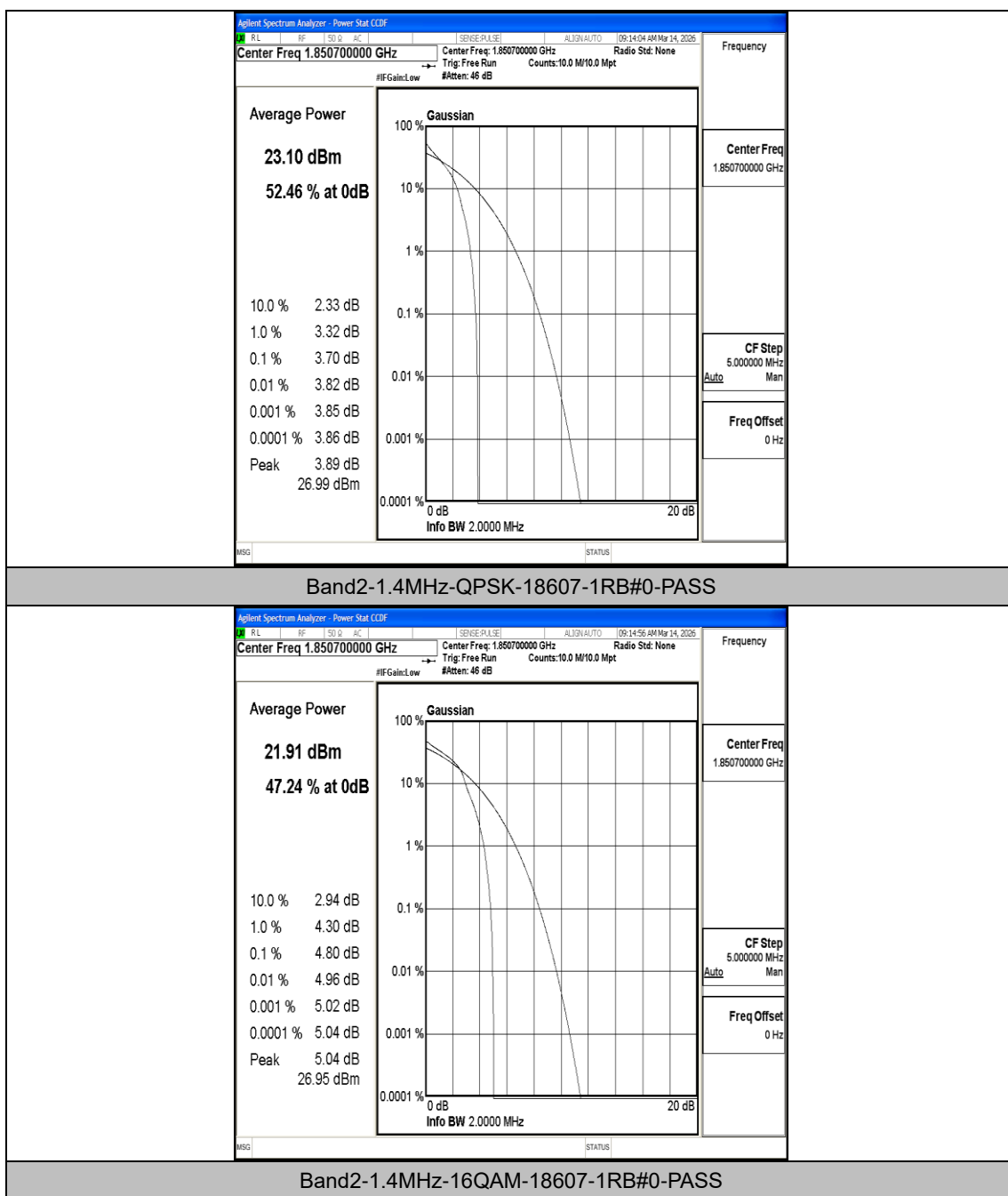


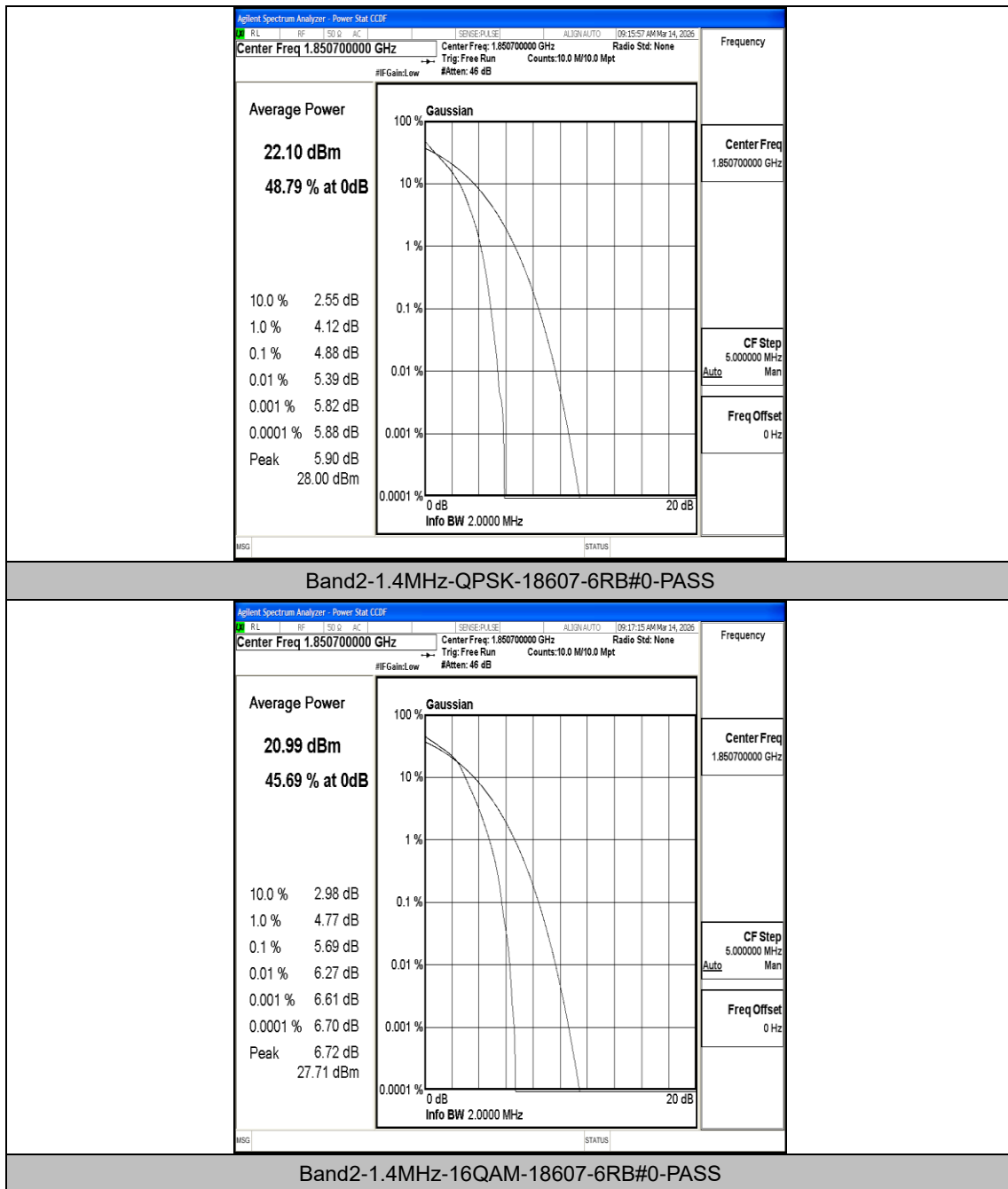


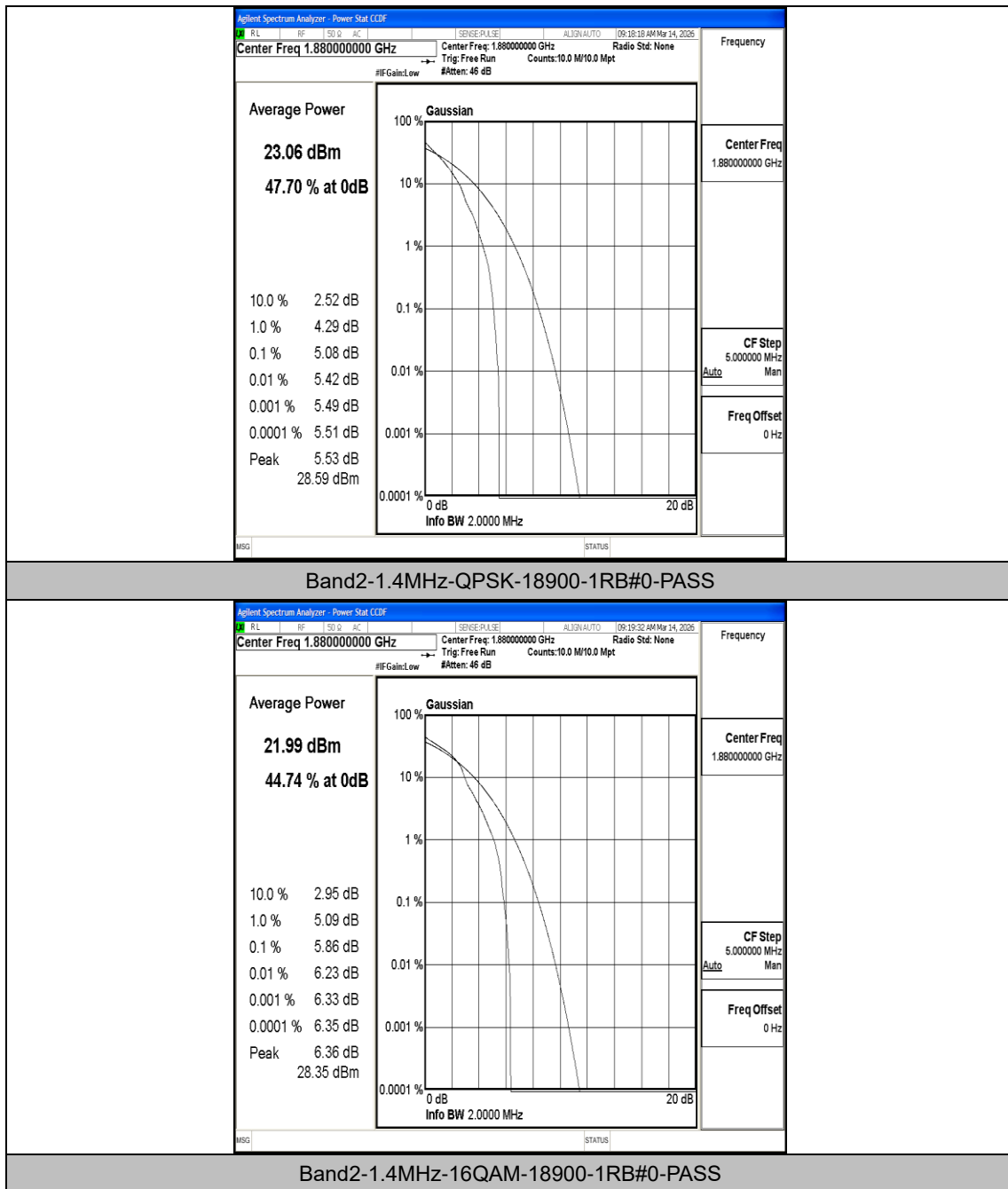


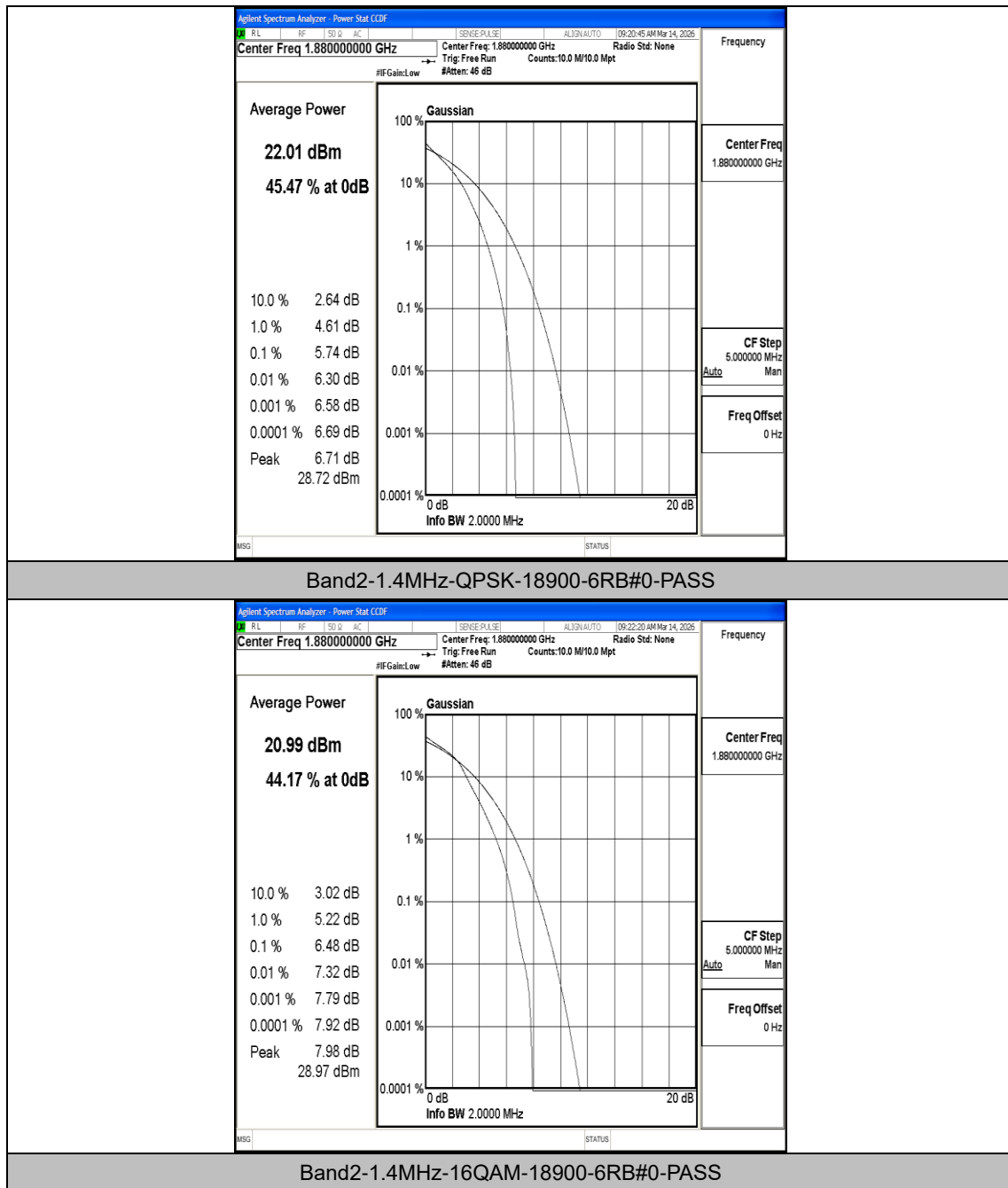


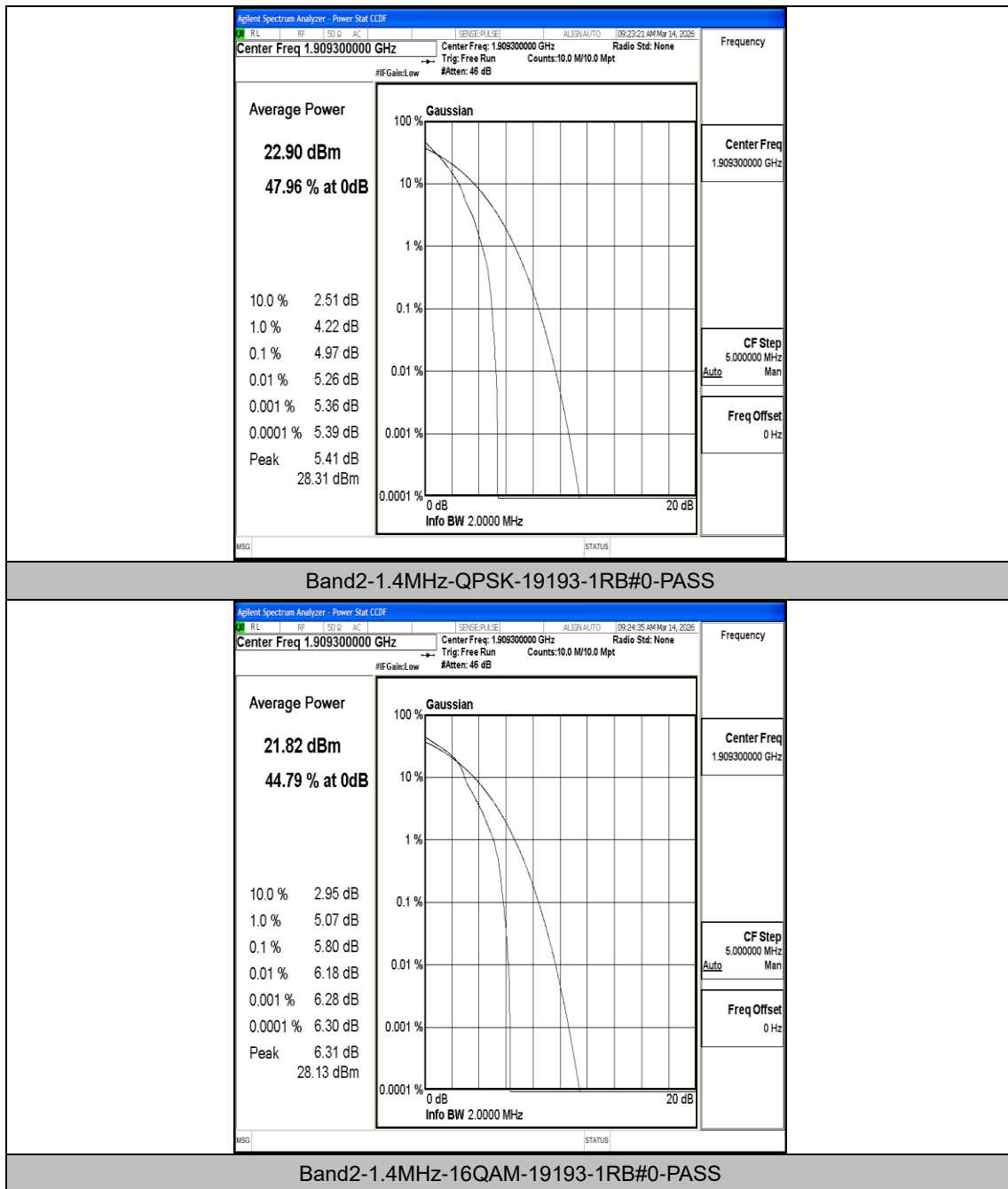


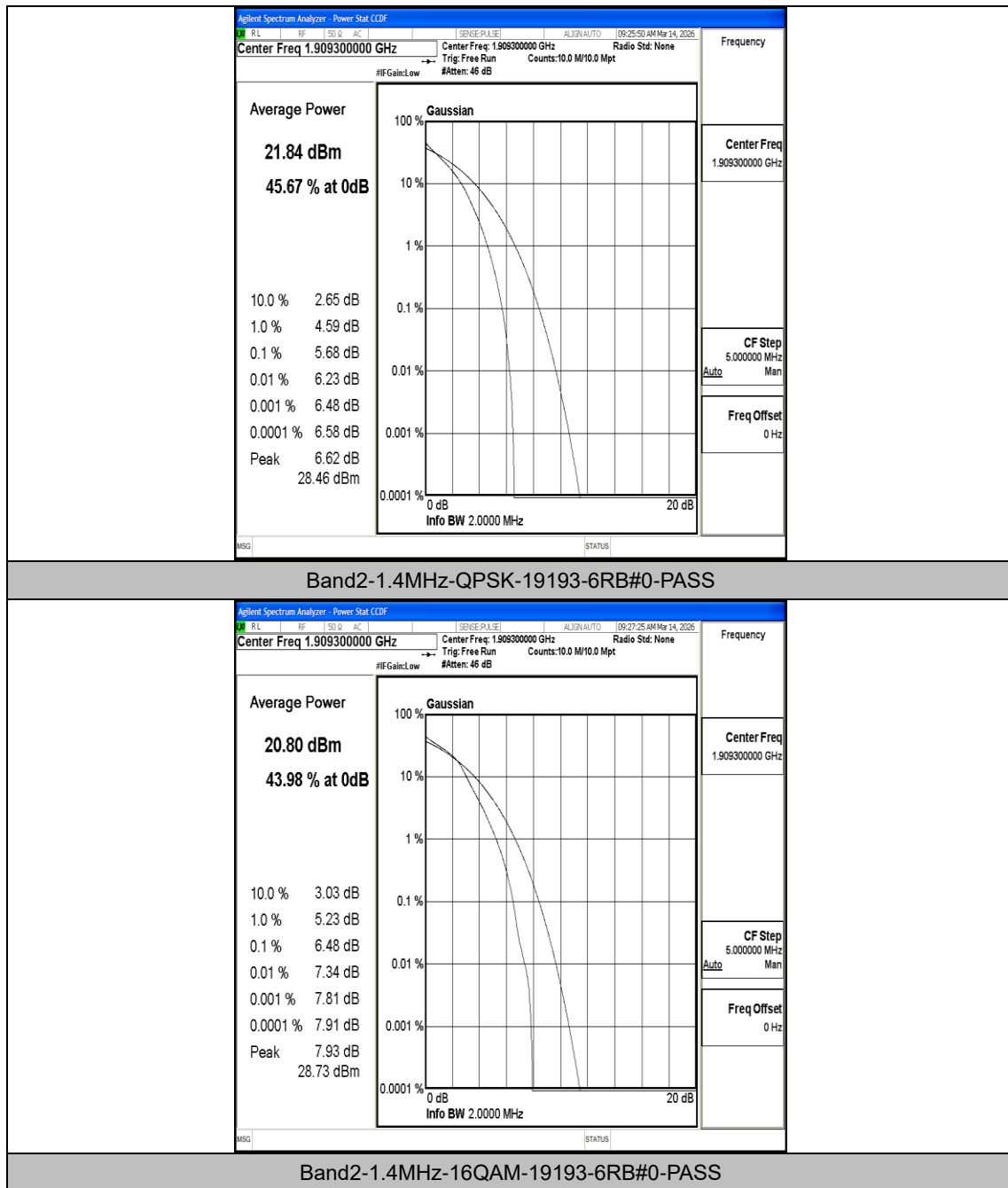


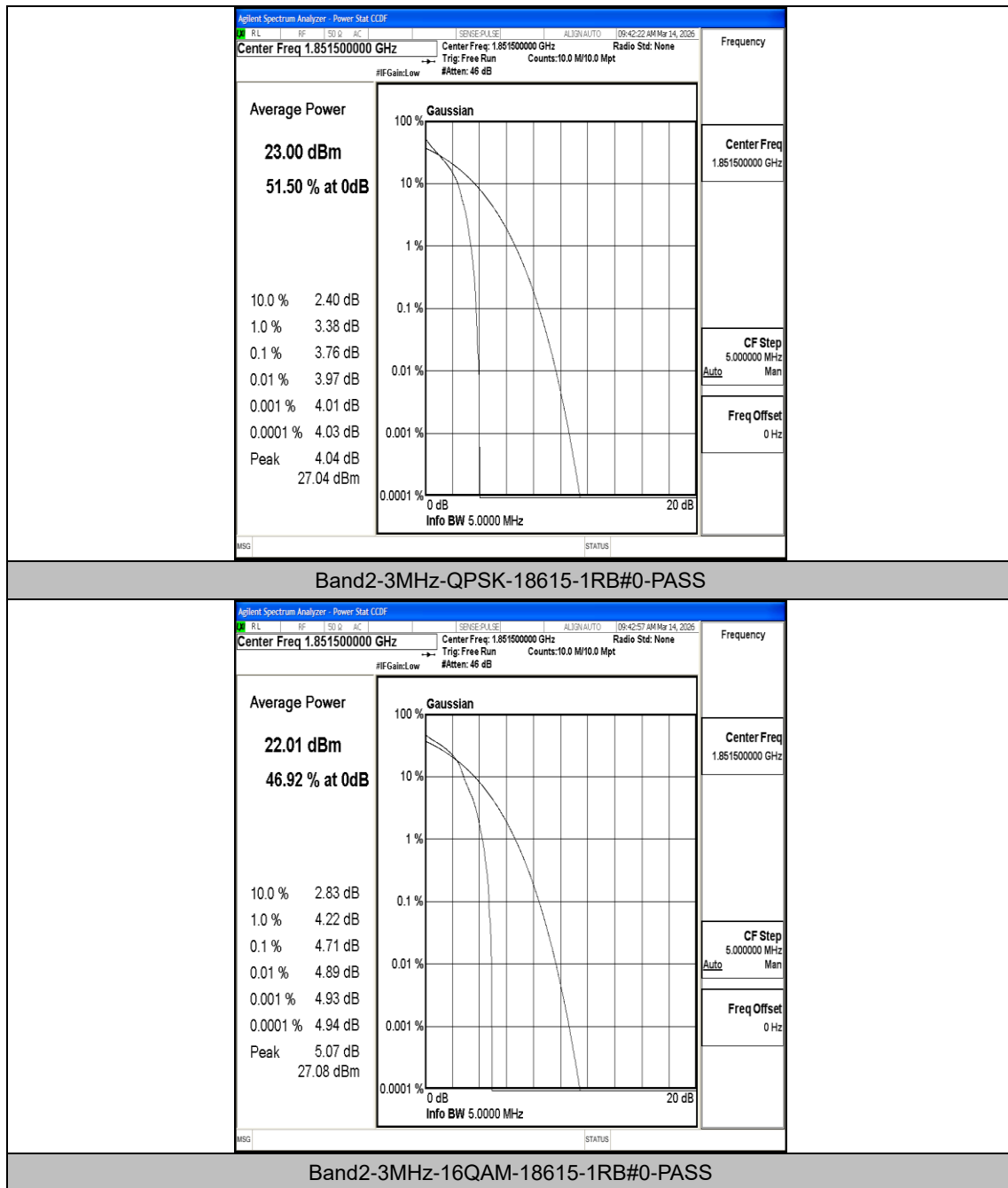


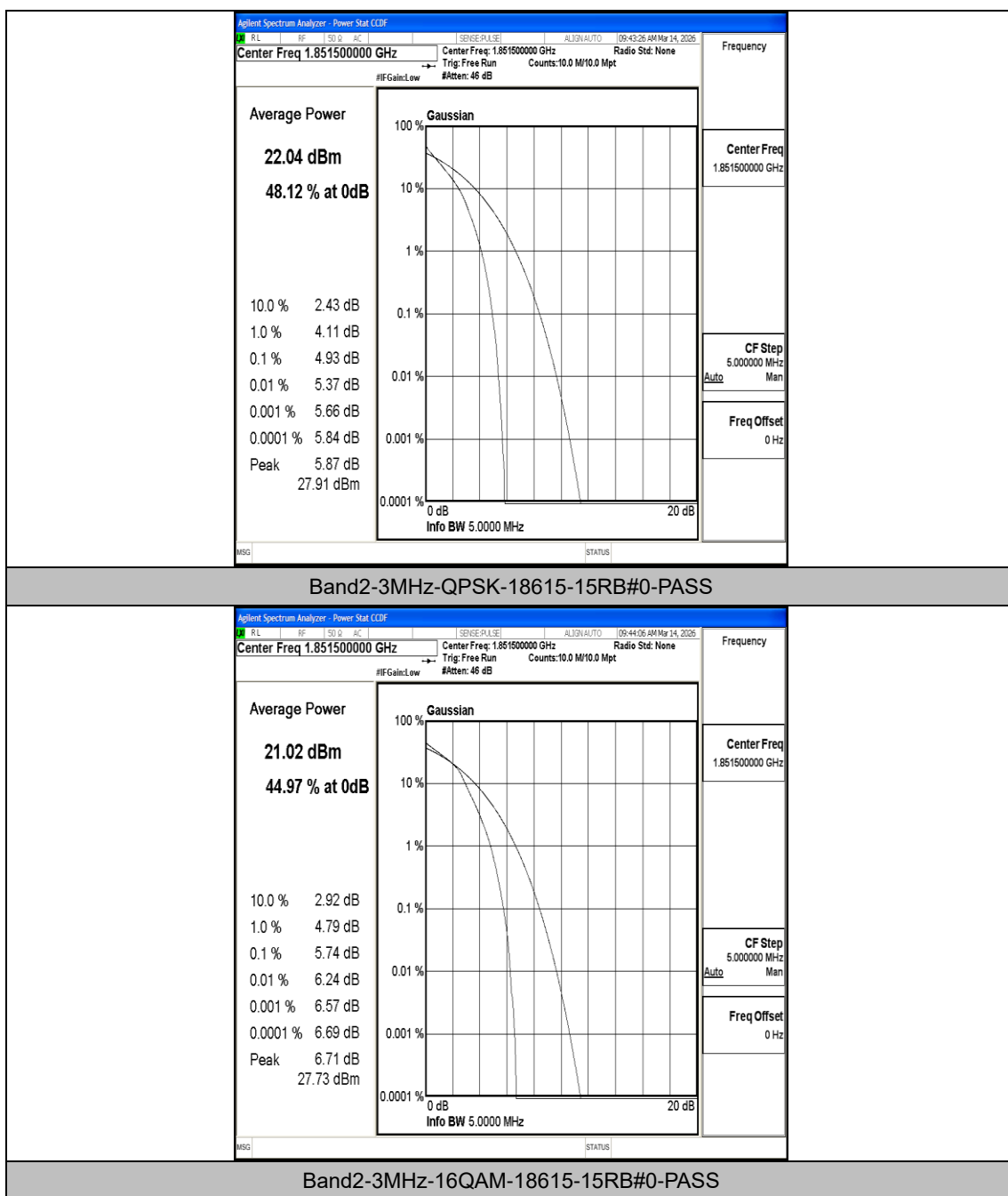


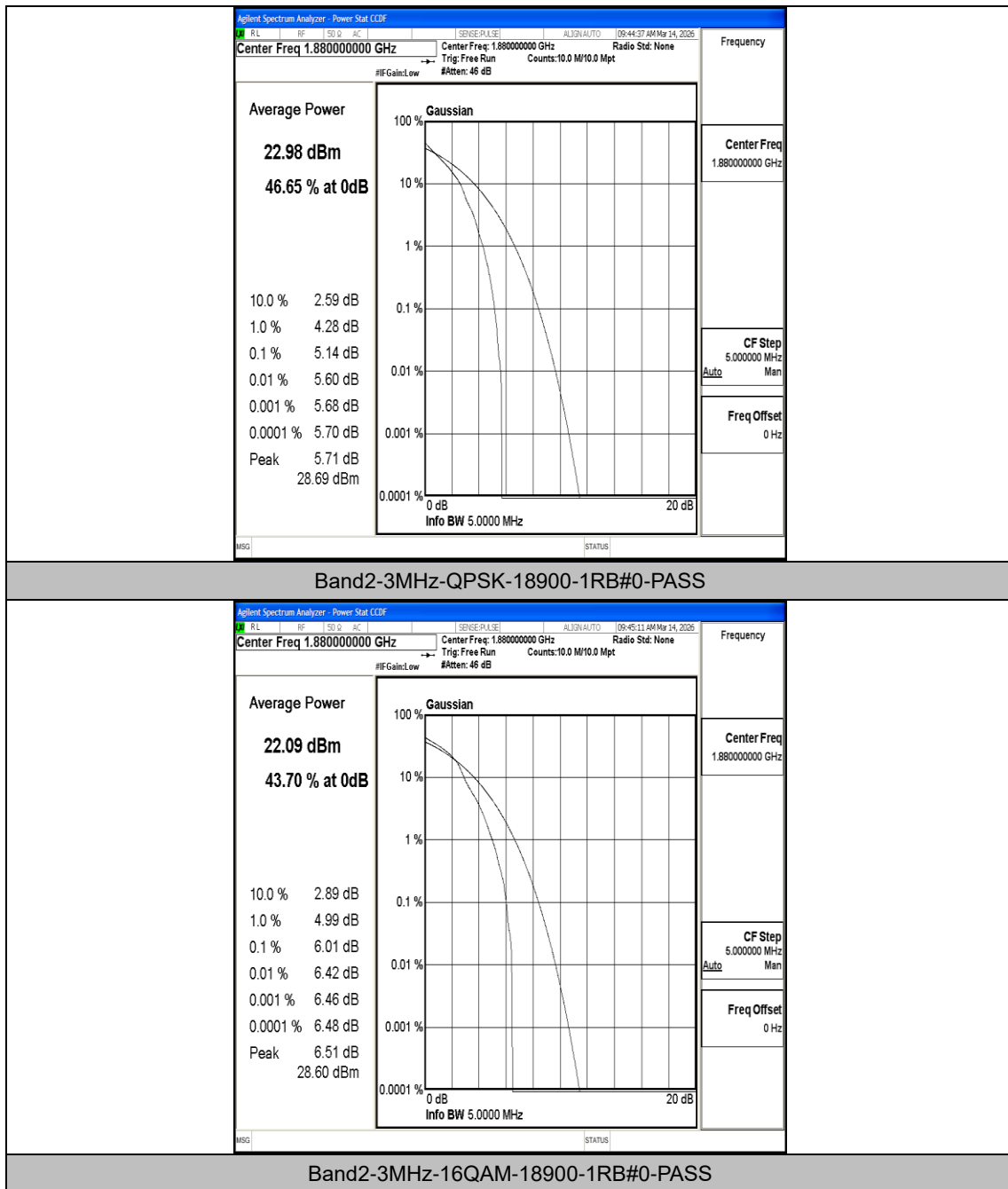


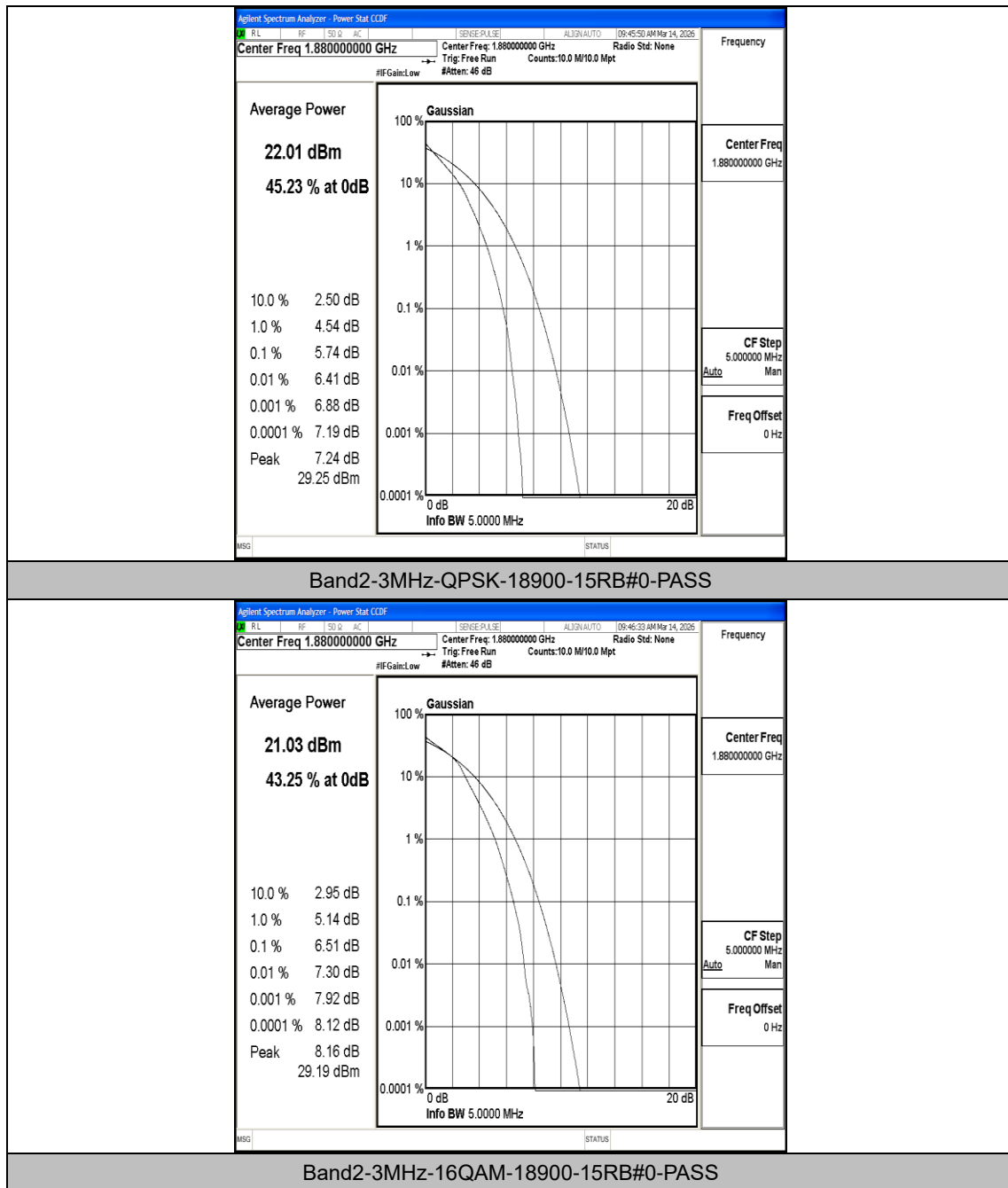


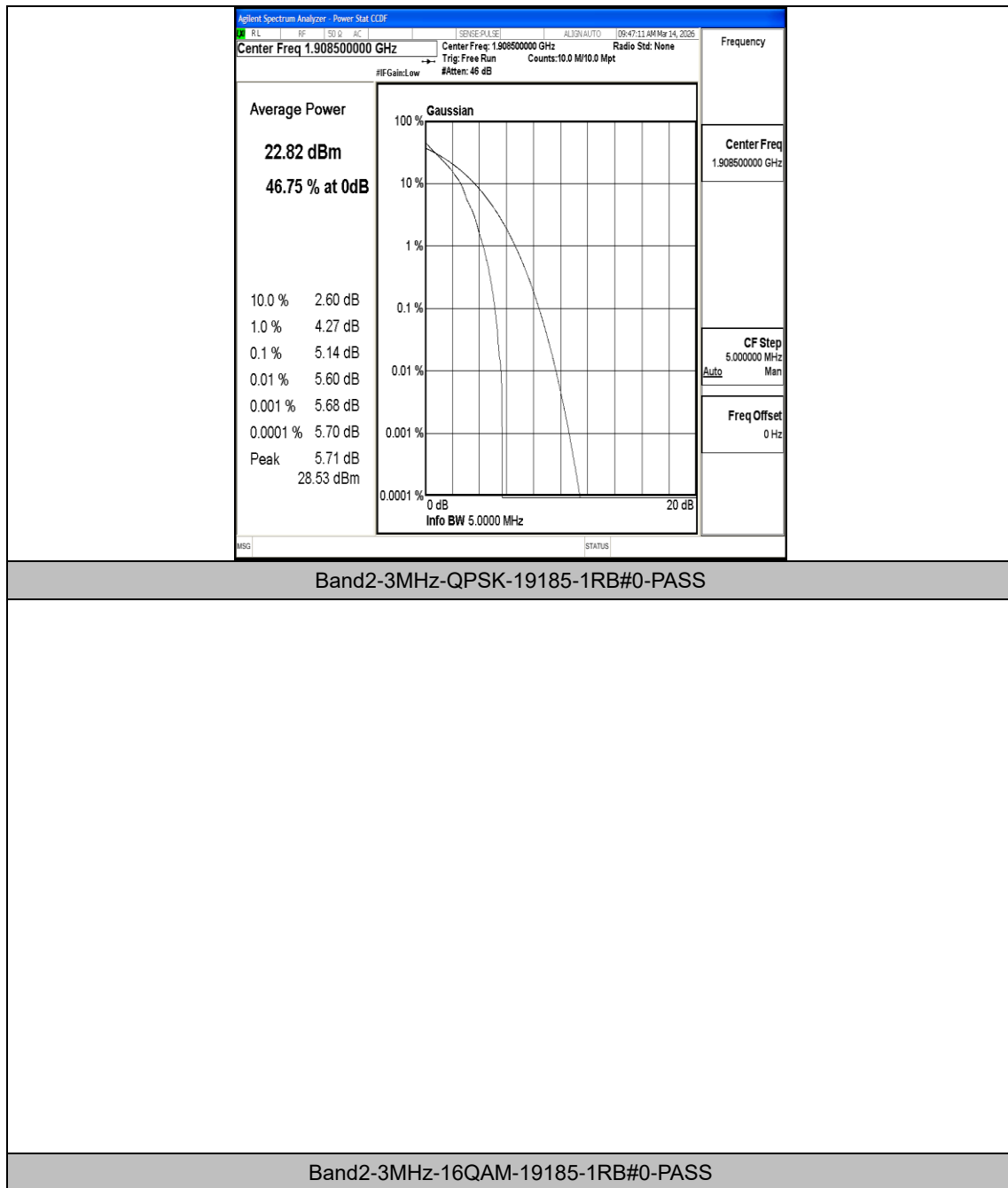


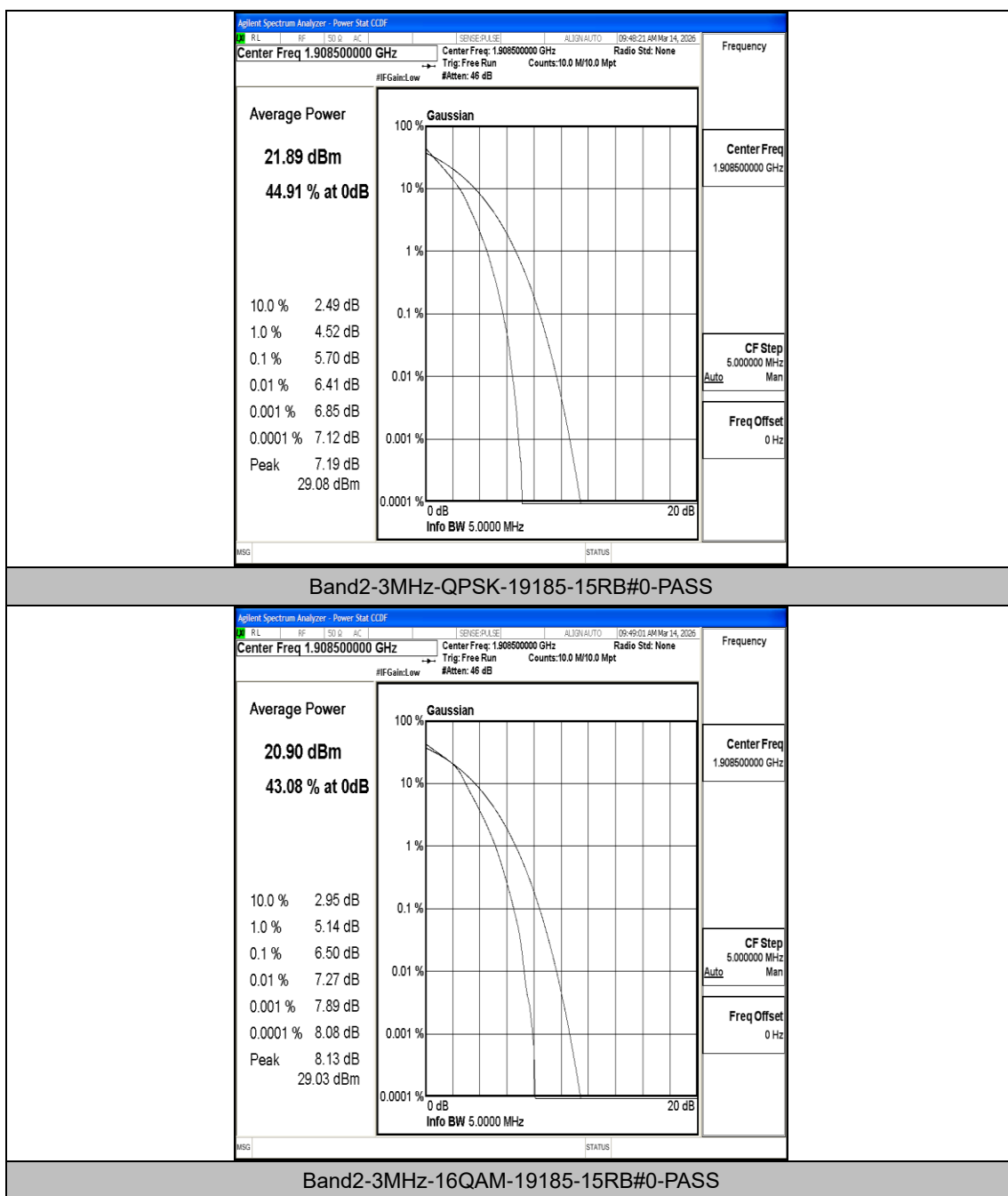










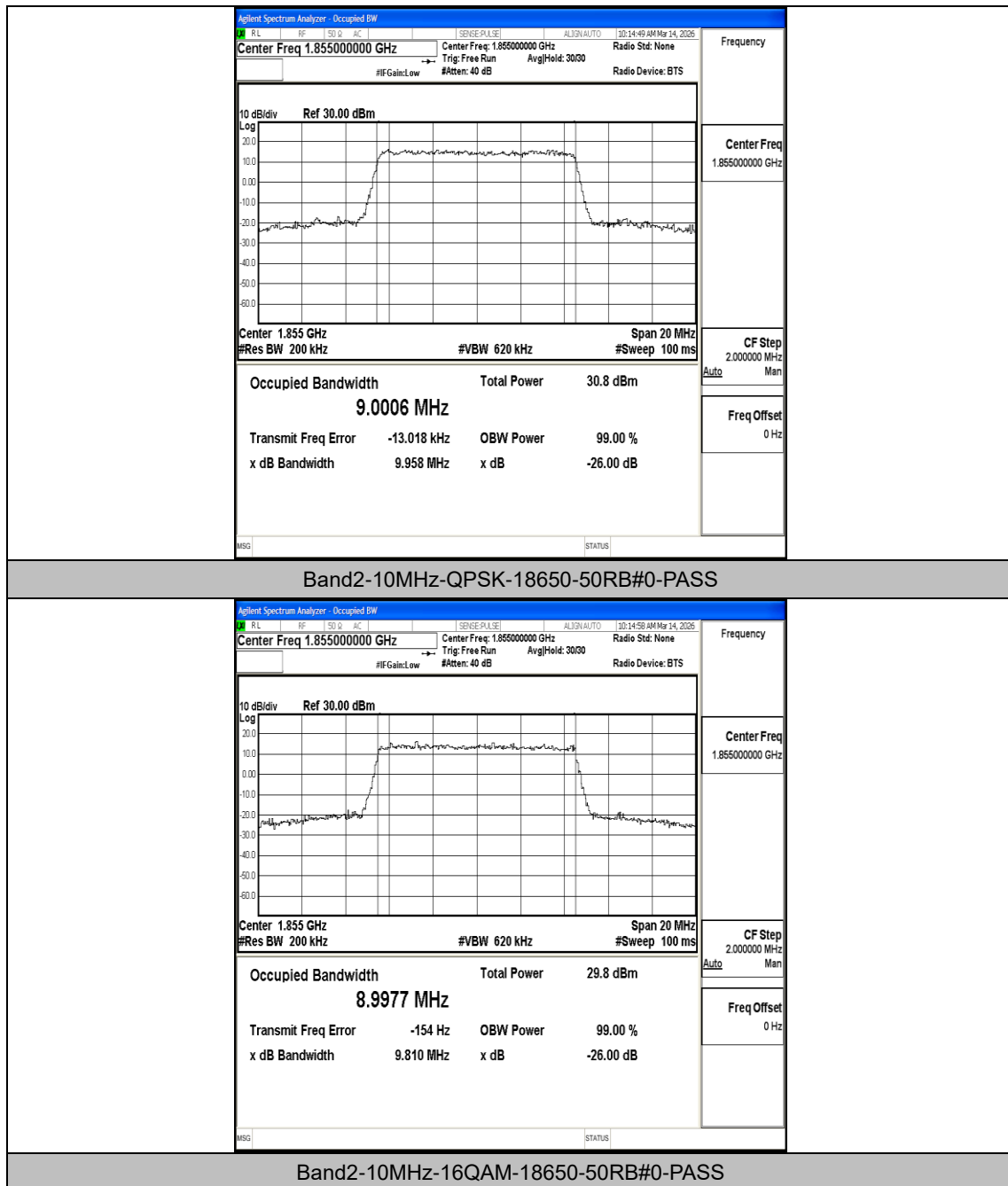


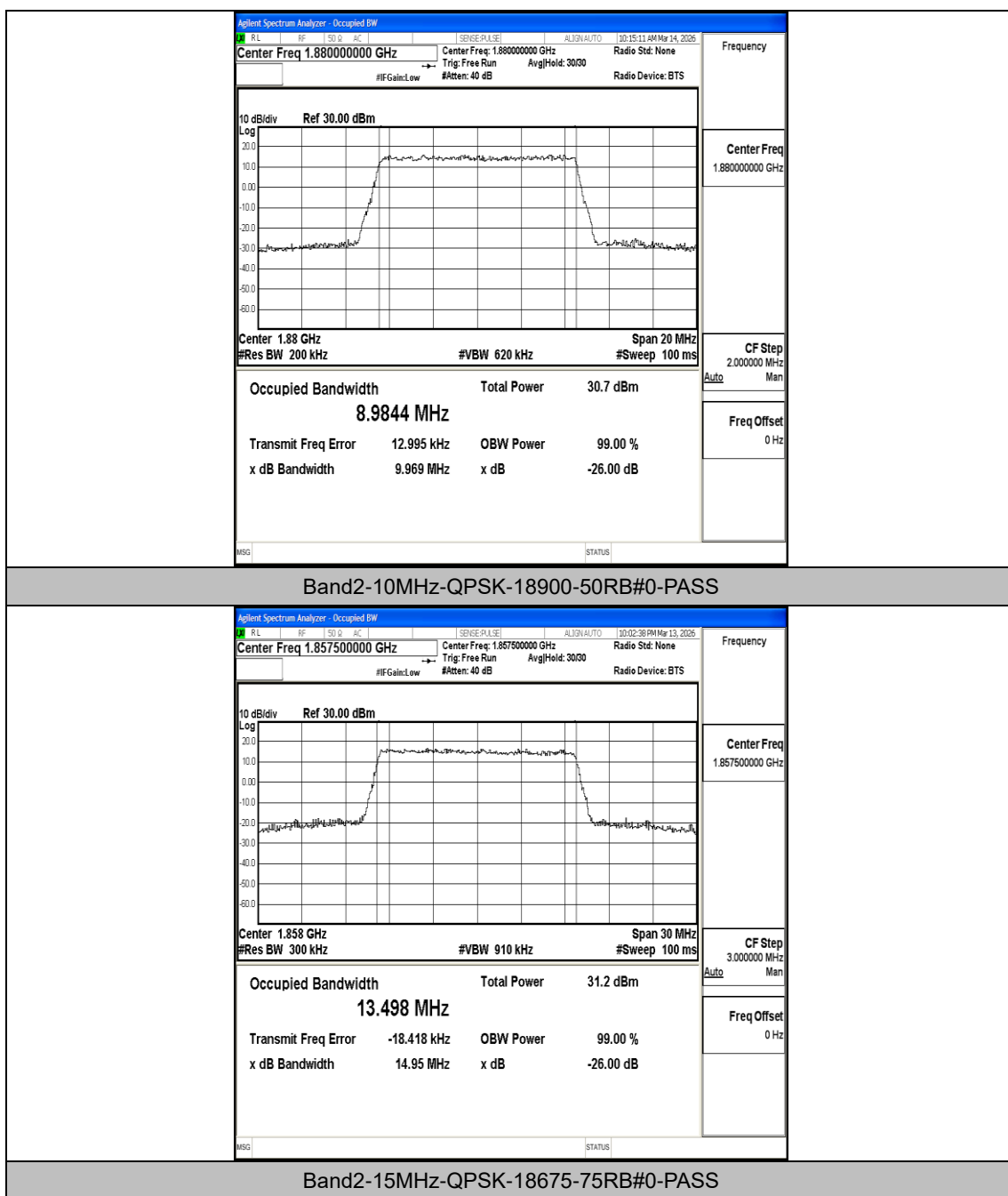
B 26dB Bandwidth and Occupied Bandwidth

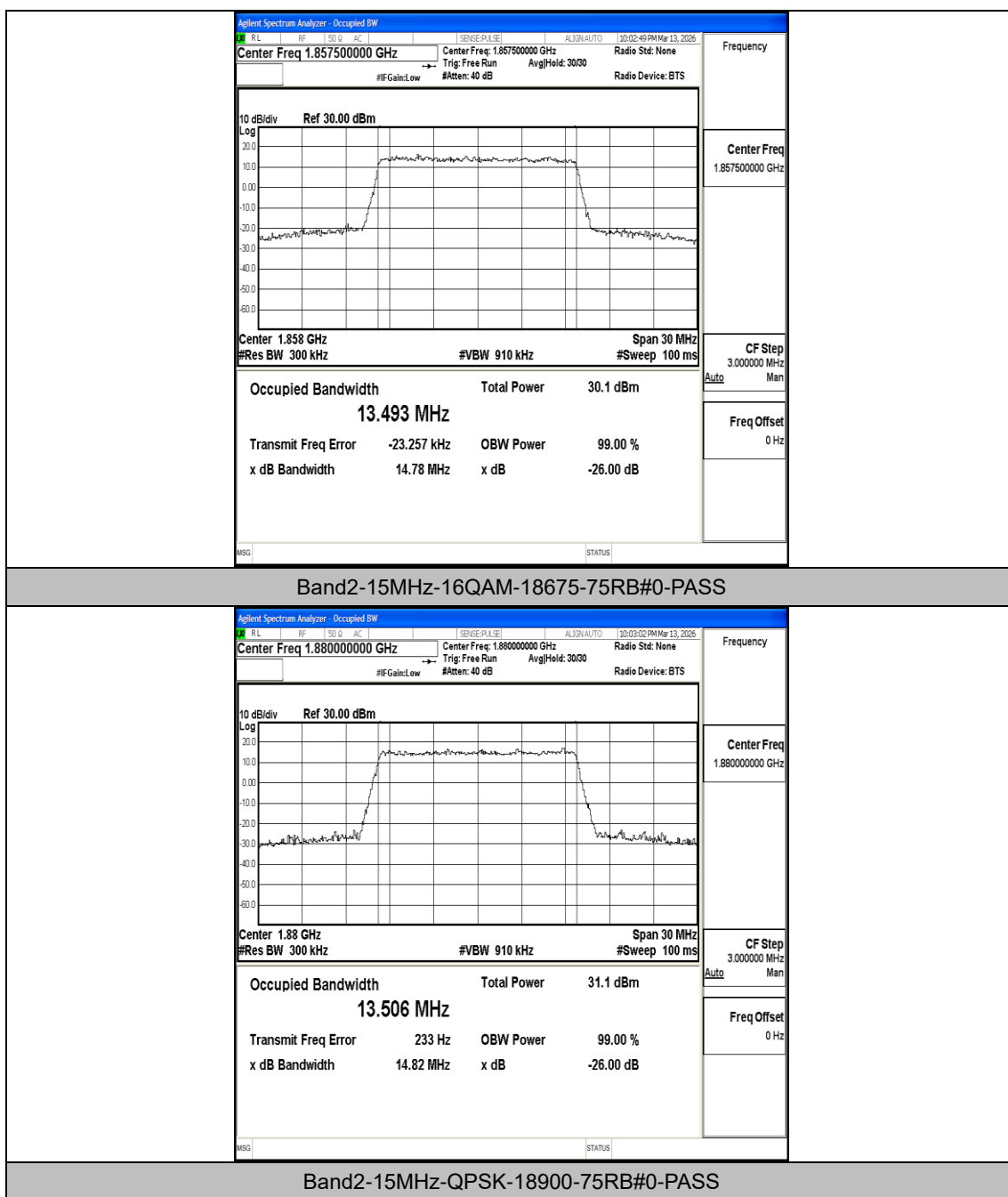
Test Result

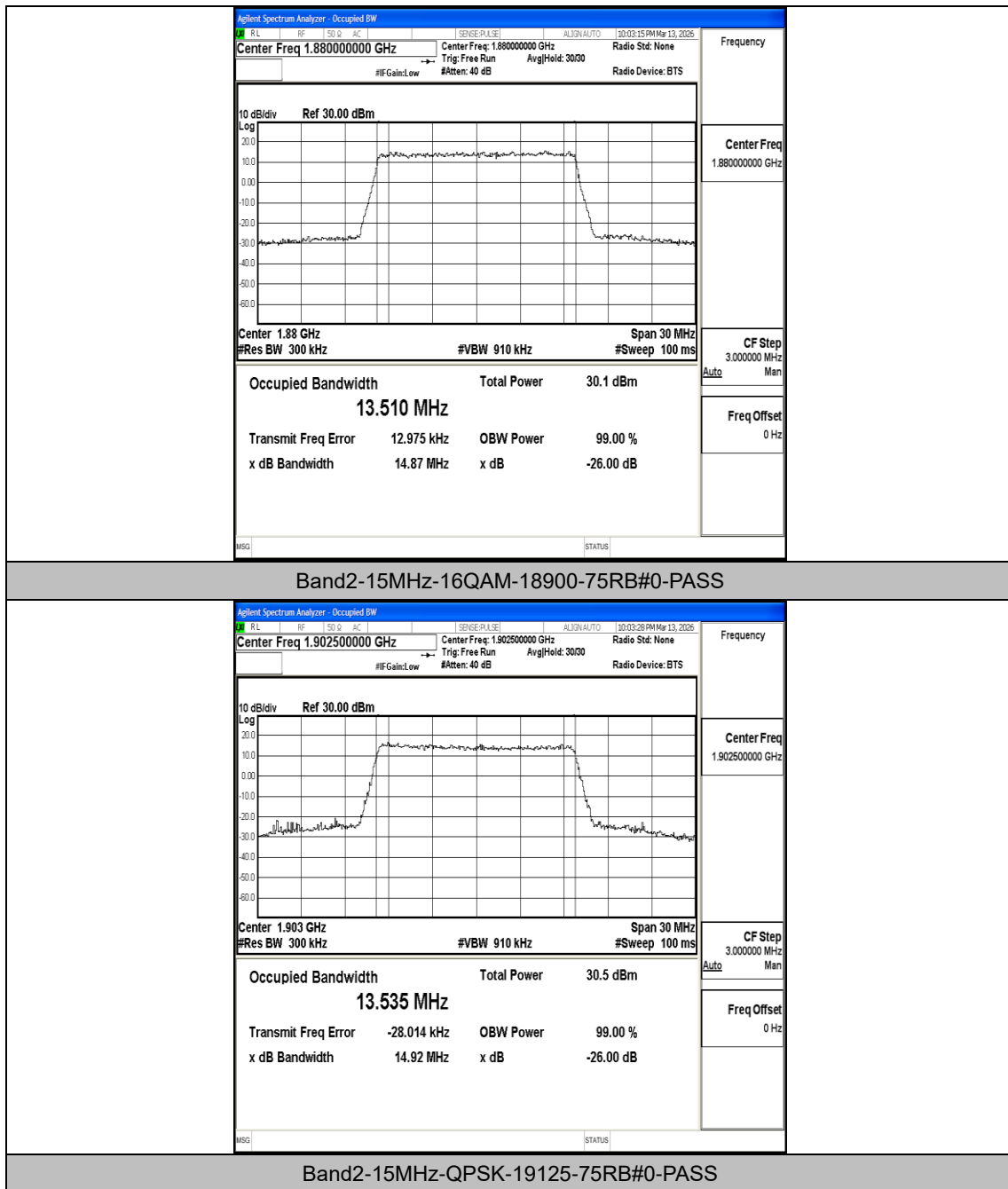
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	10MHz	QPSK	18650	50RB#0	9.0006	9.958	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9977	9.810	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9844	9.969	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.498	14.95	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.493	14.78	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.506	14.82	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.510	14.87	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.535	14.92	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.523	14.83	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9846	9.939	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9923	9.910	PASS
Band2	10MHz	16QAM	19150	50RB#0	9.0056	9.869	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.943	19.52	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.962	19.40	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.992	19.66	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.969	19.62	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.999	19.59	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.024	19.47	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	1.0922	1.271	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0986	1.276	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0944	1.273	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0953	1.259	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0931	1.263	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0939	1.276	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7366	3.040	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.7334	3.022	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7322	3.031	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.7288	2.997	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7329	3.027	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.7302	3.031	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5145	5.077	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5134	5.017	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5309	5.075	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5133	5.021	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5224	5.034	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5198	5.021	PASS

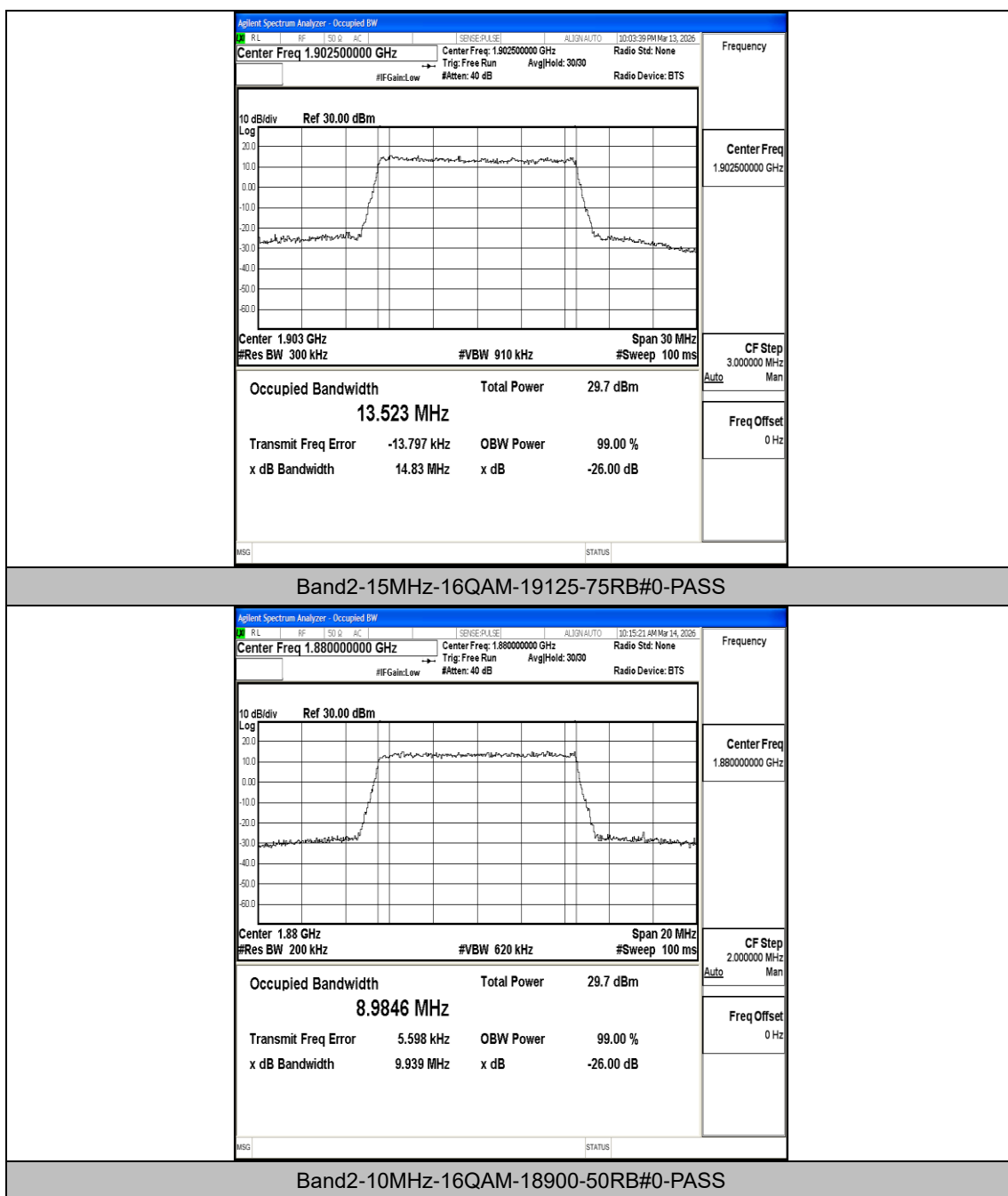
Test Graphs

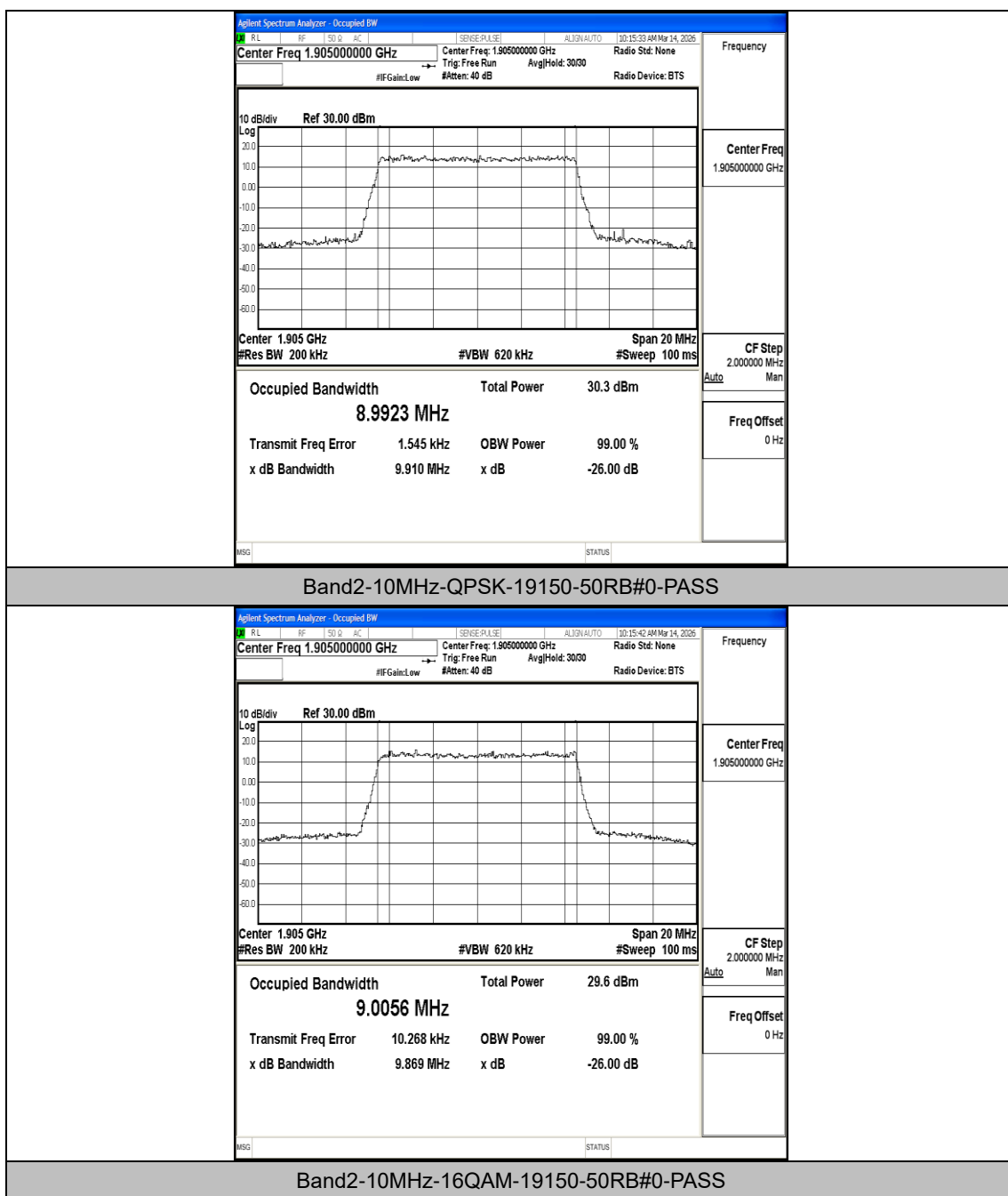


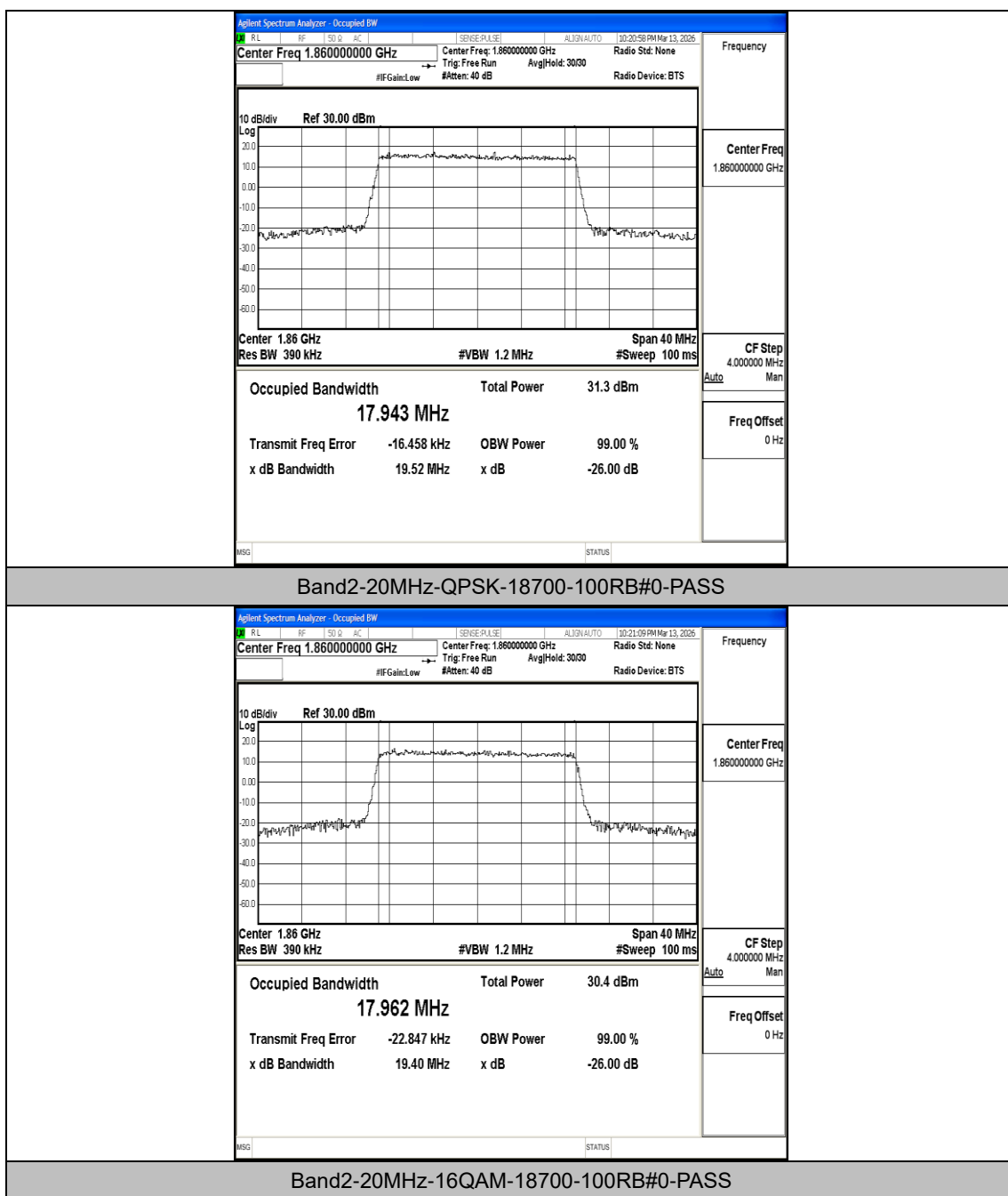


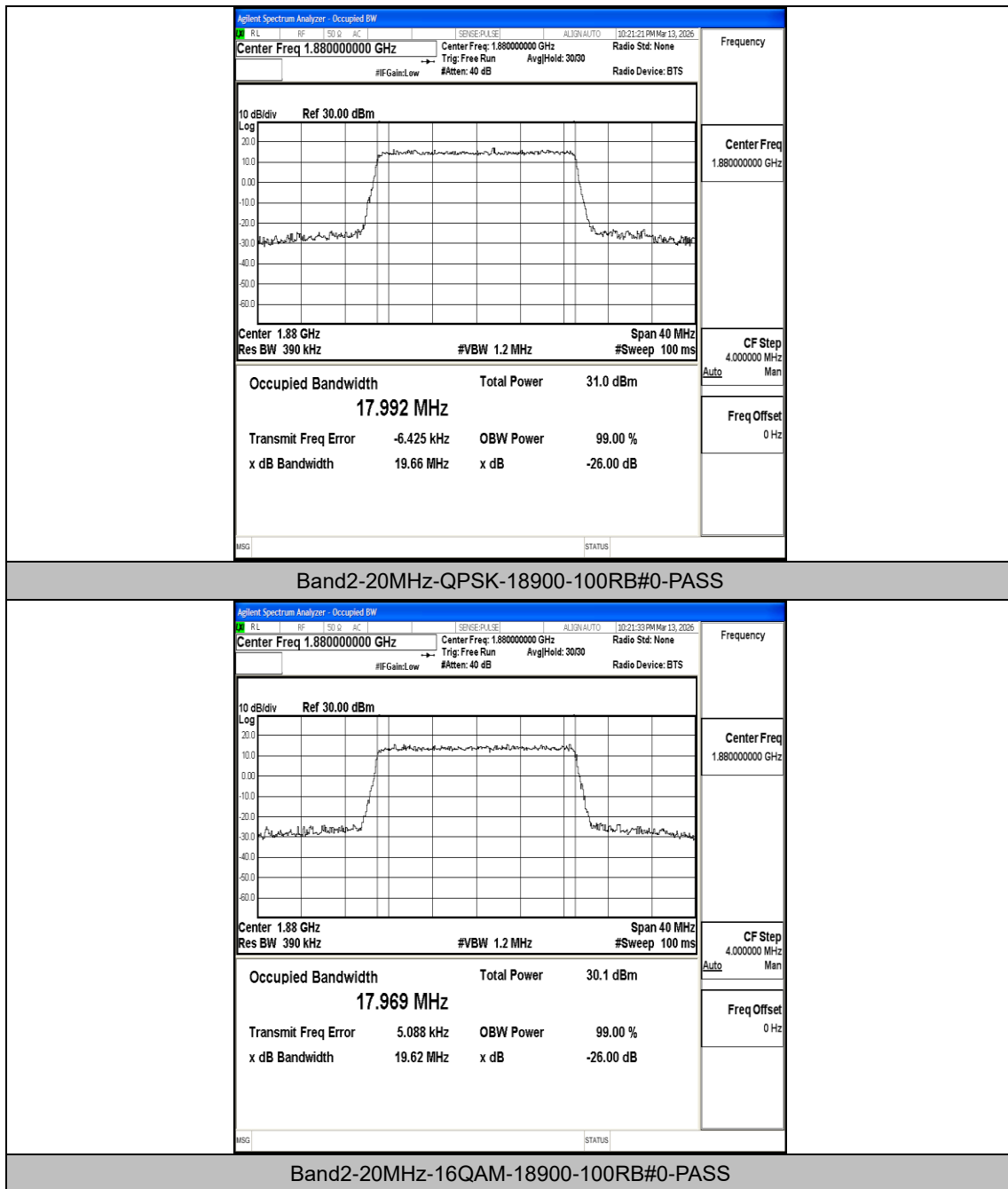


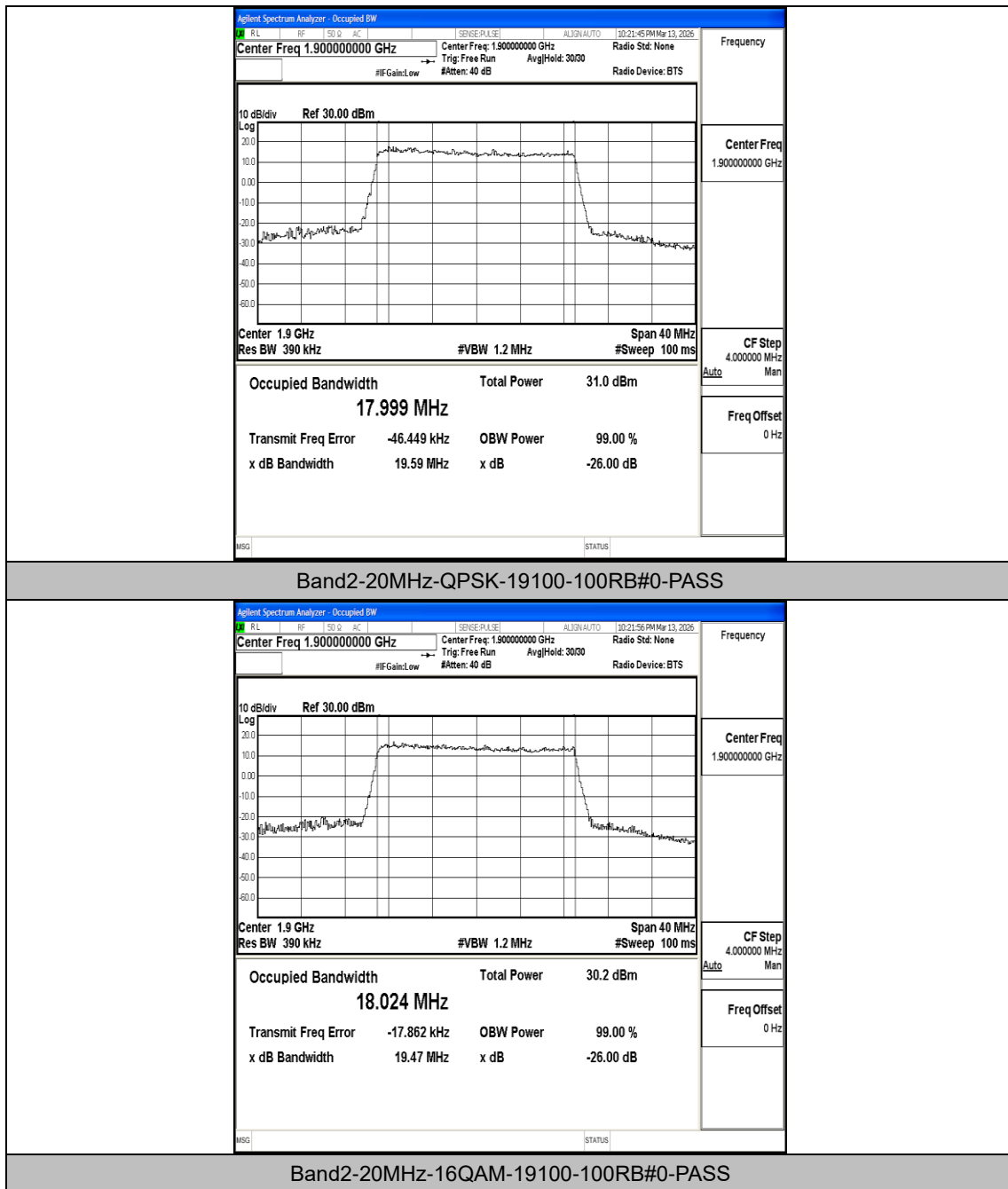


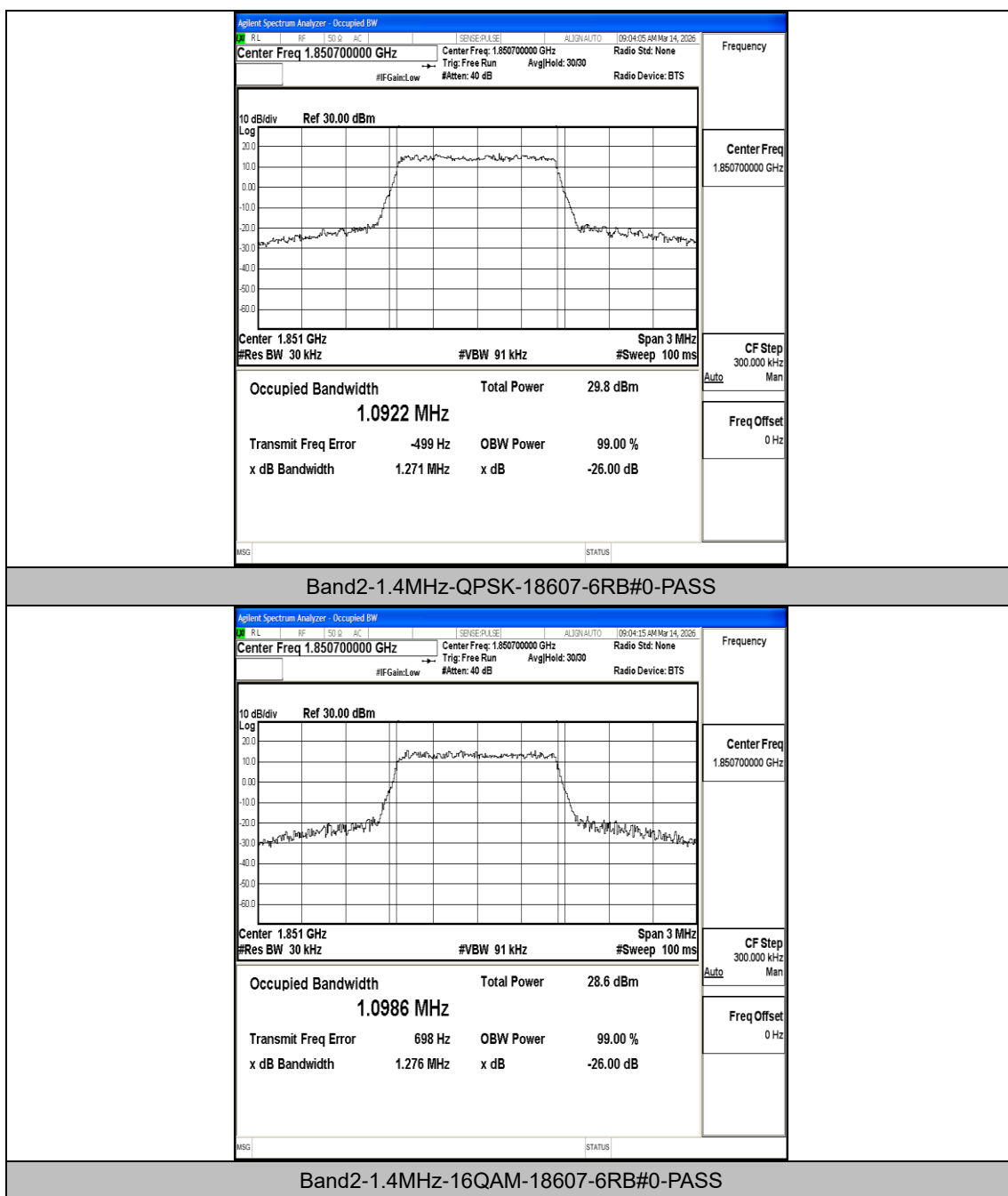


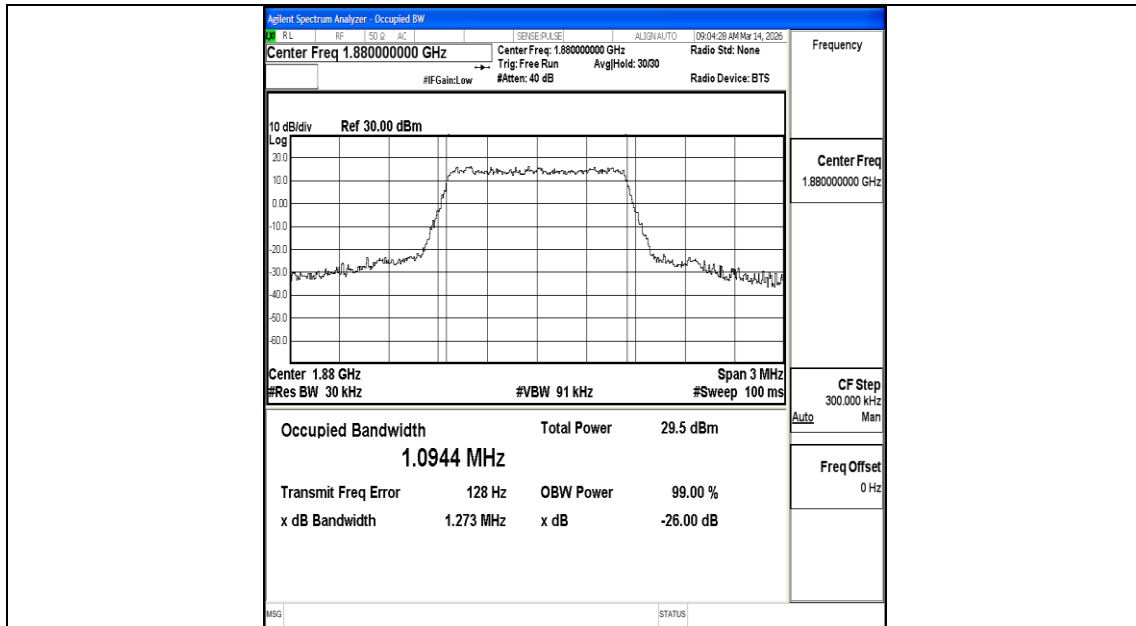




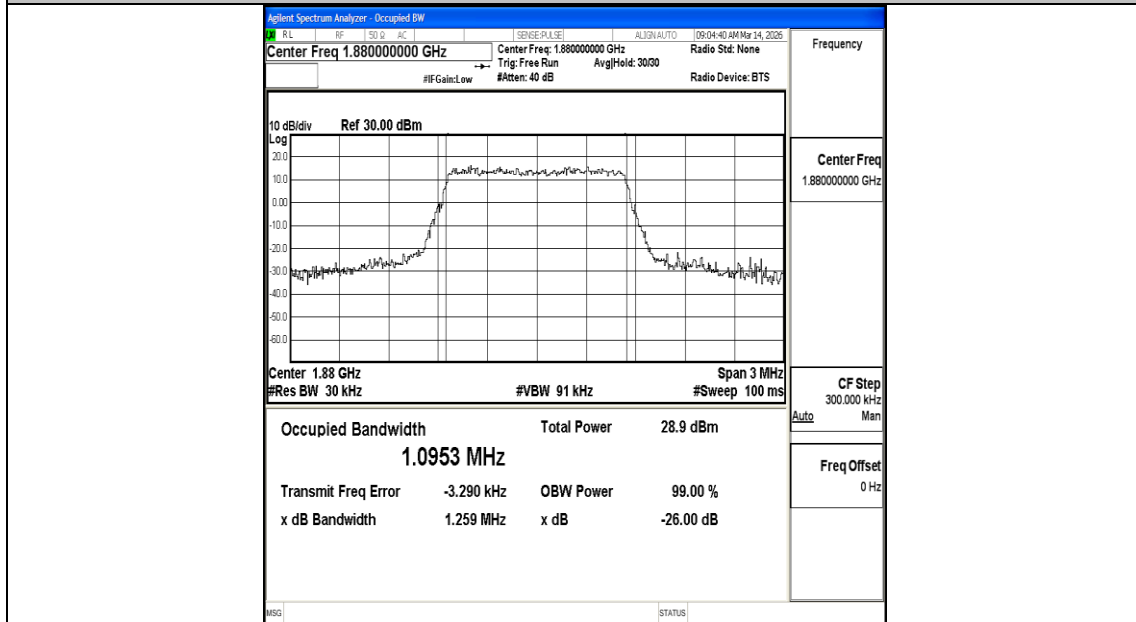




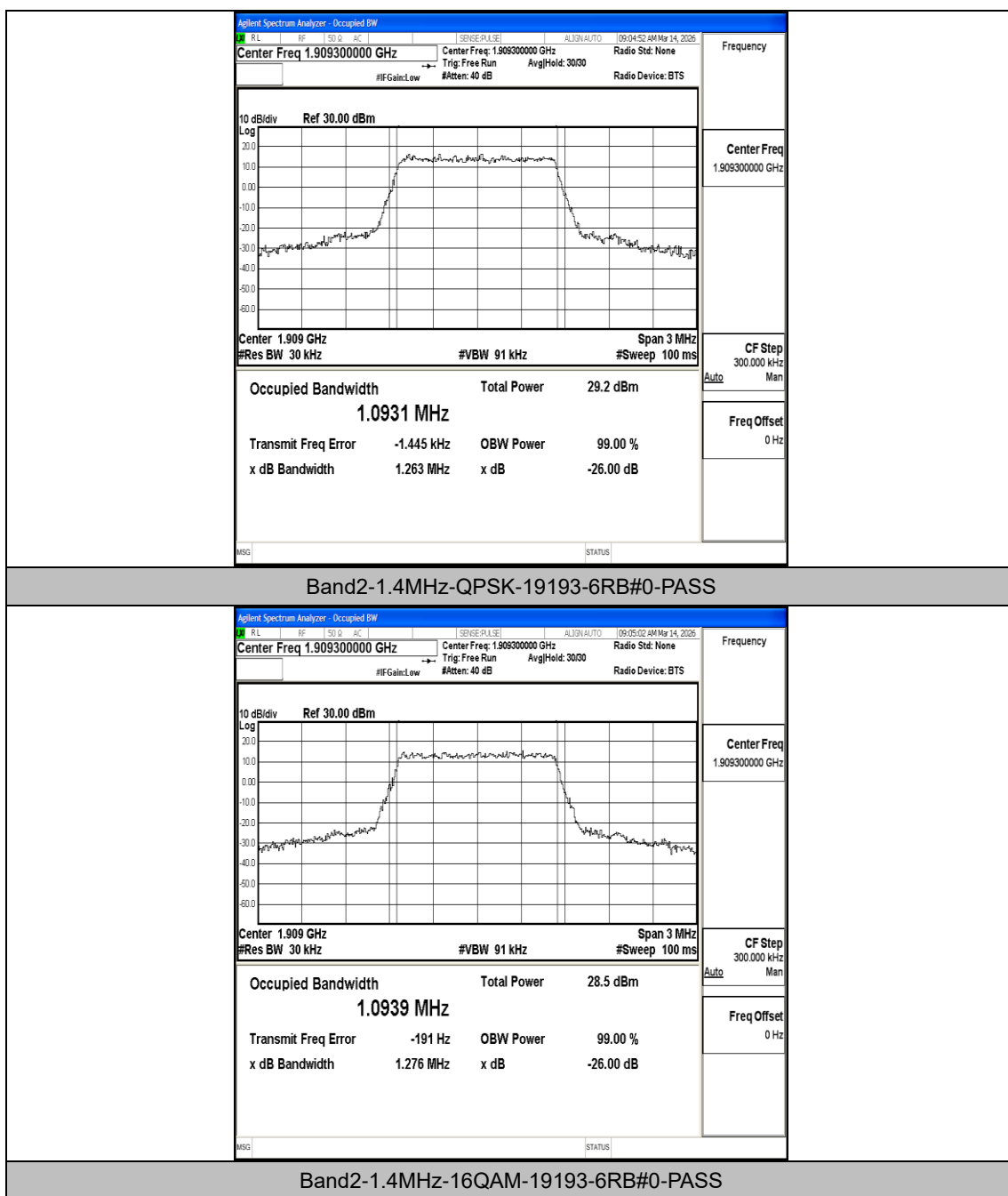


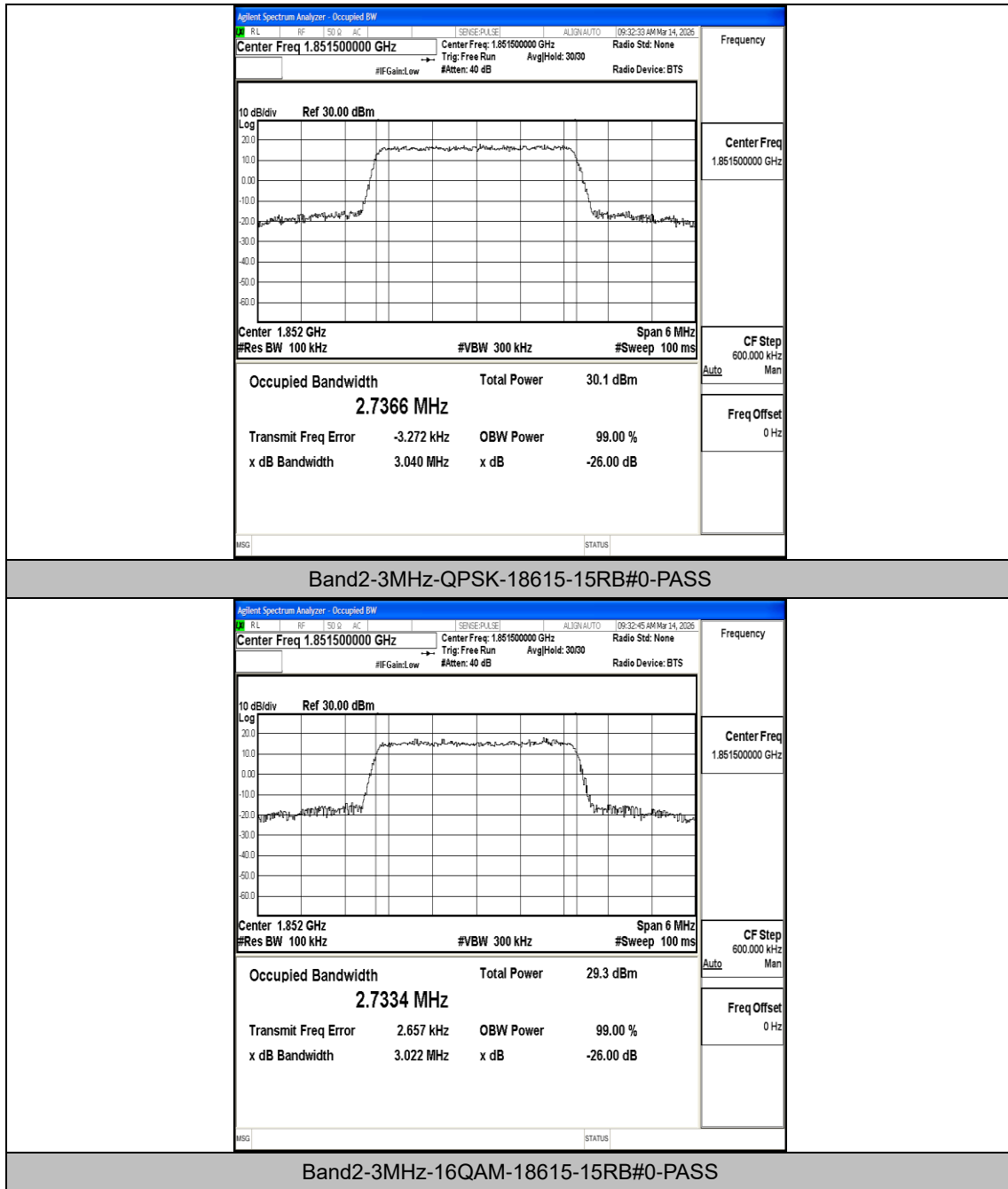


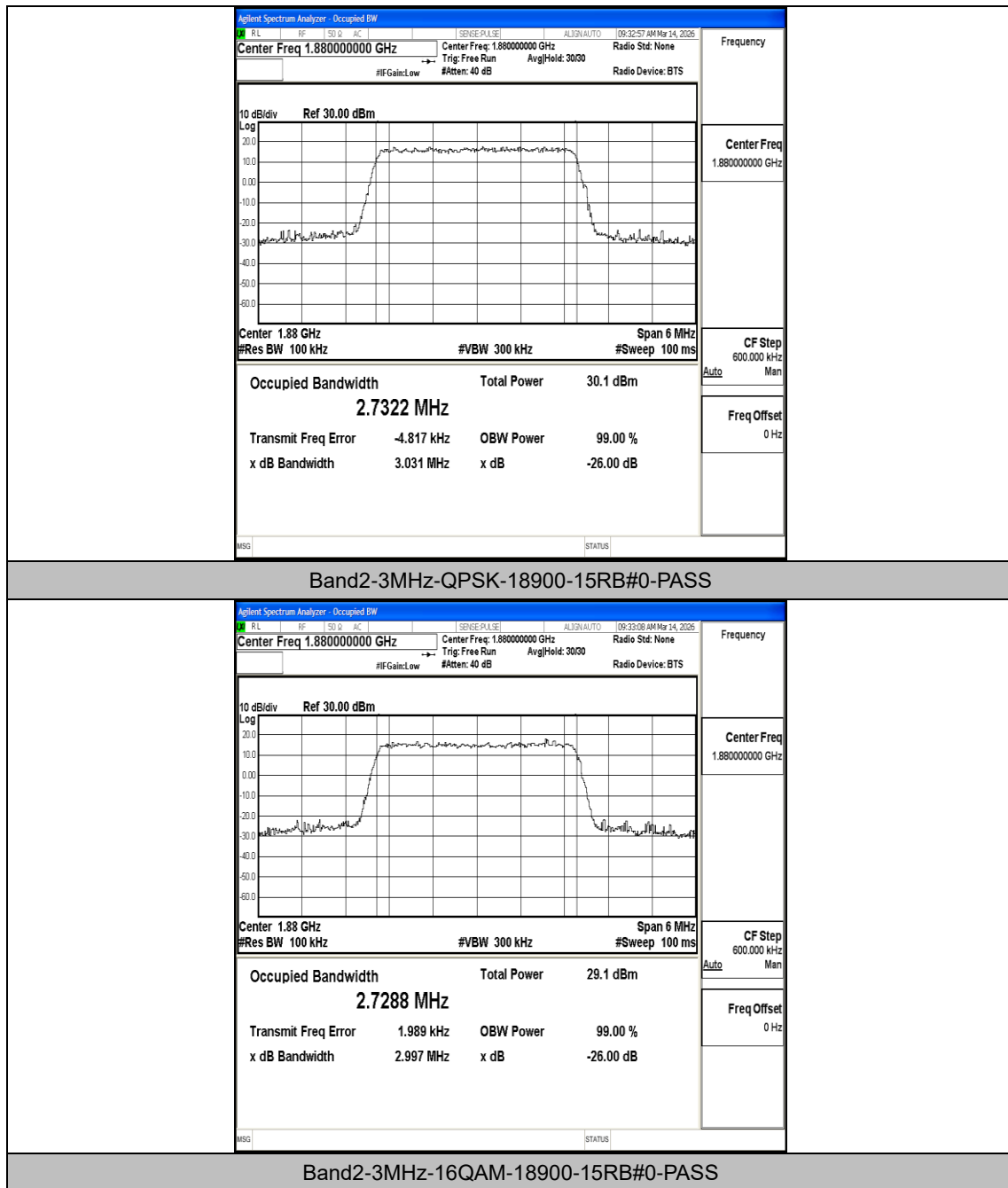
Band2-1.4MHz-QPSK-18900-6RB#0-PASS

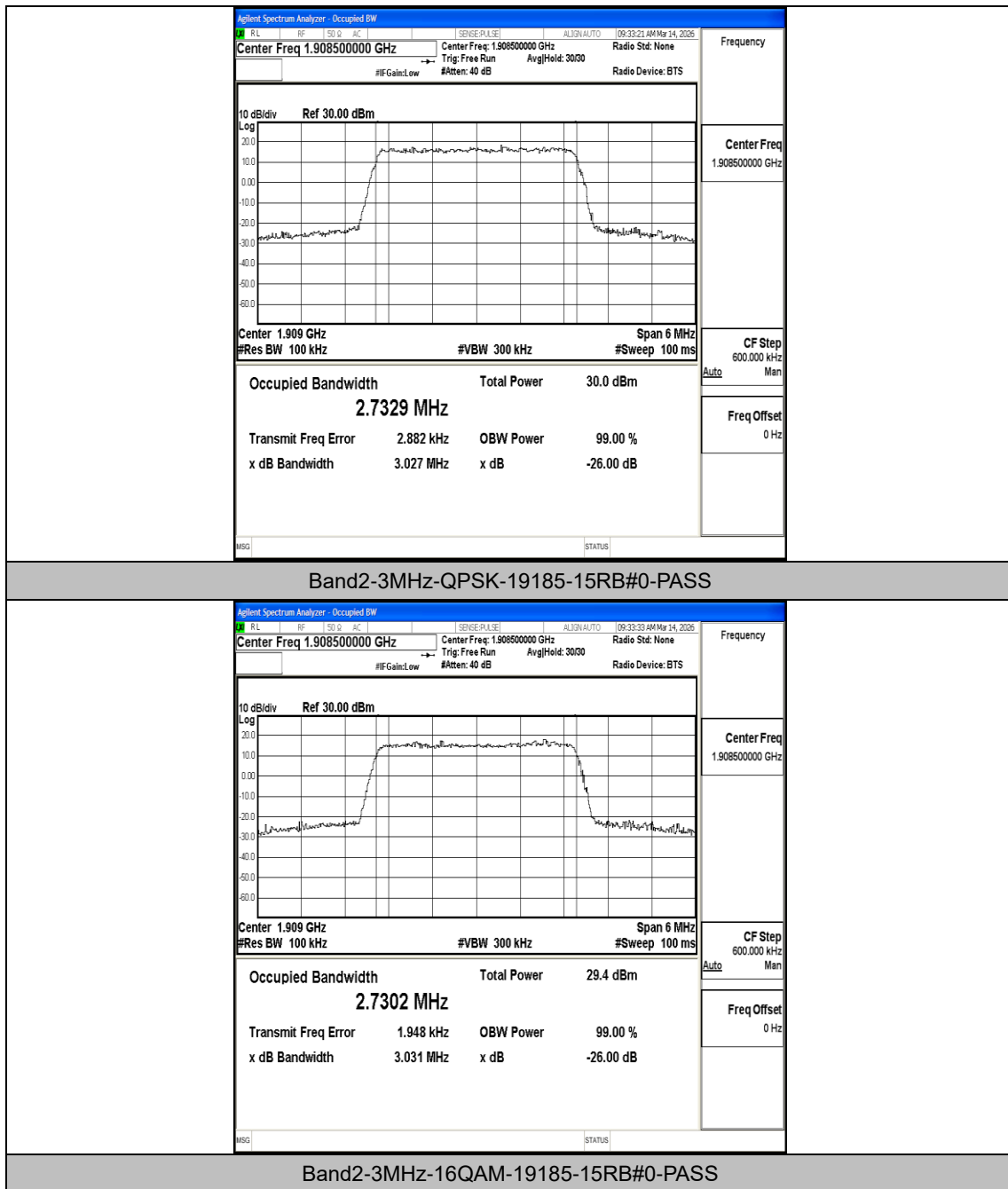


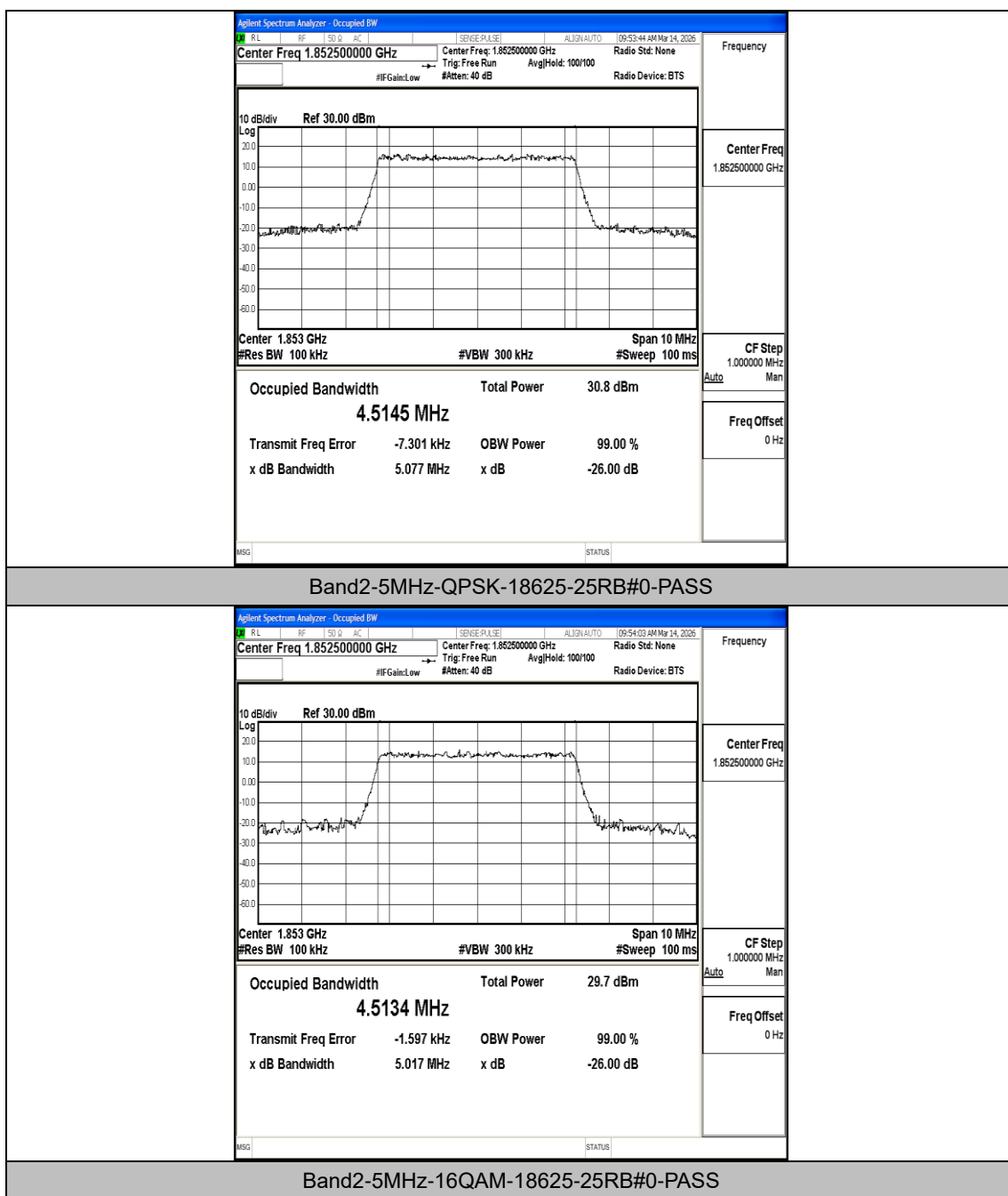
Band2-1.4MHz-16QAM-18900-6RB#0-PASS

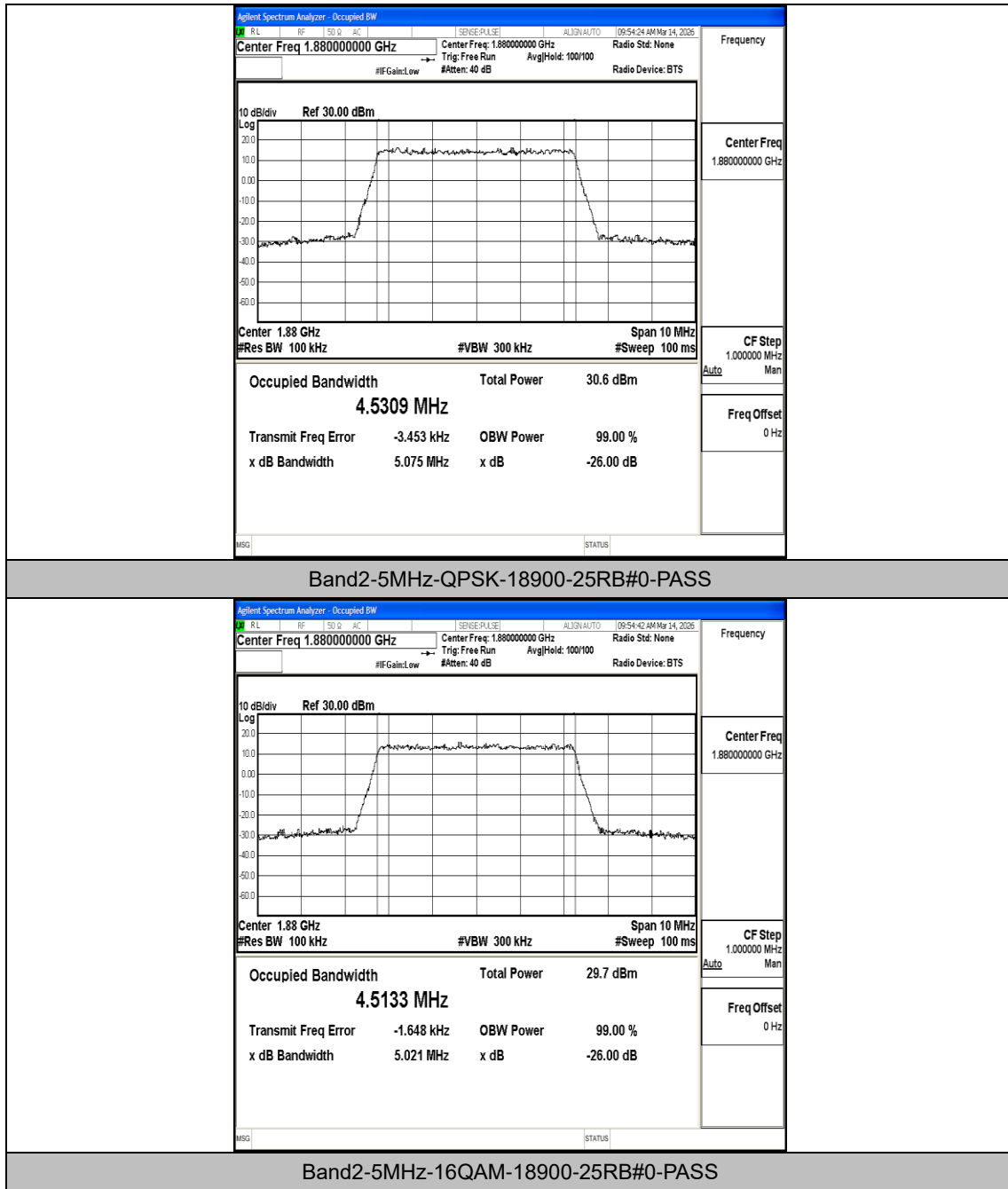


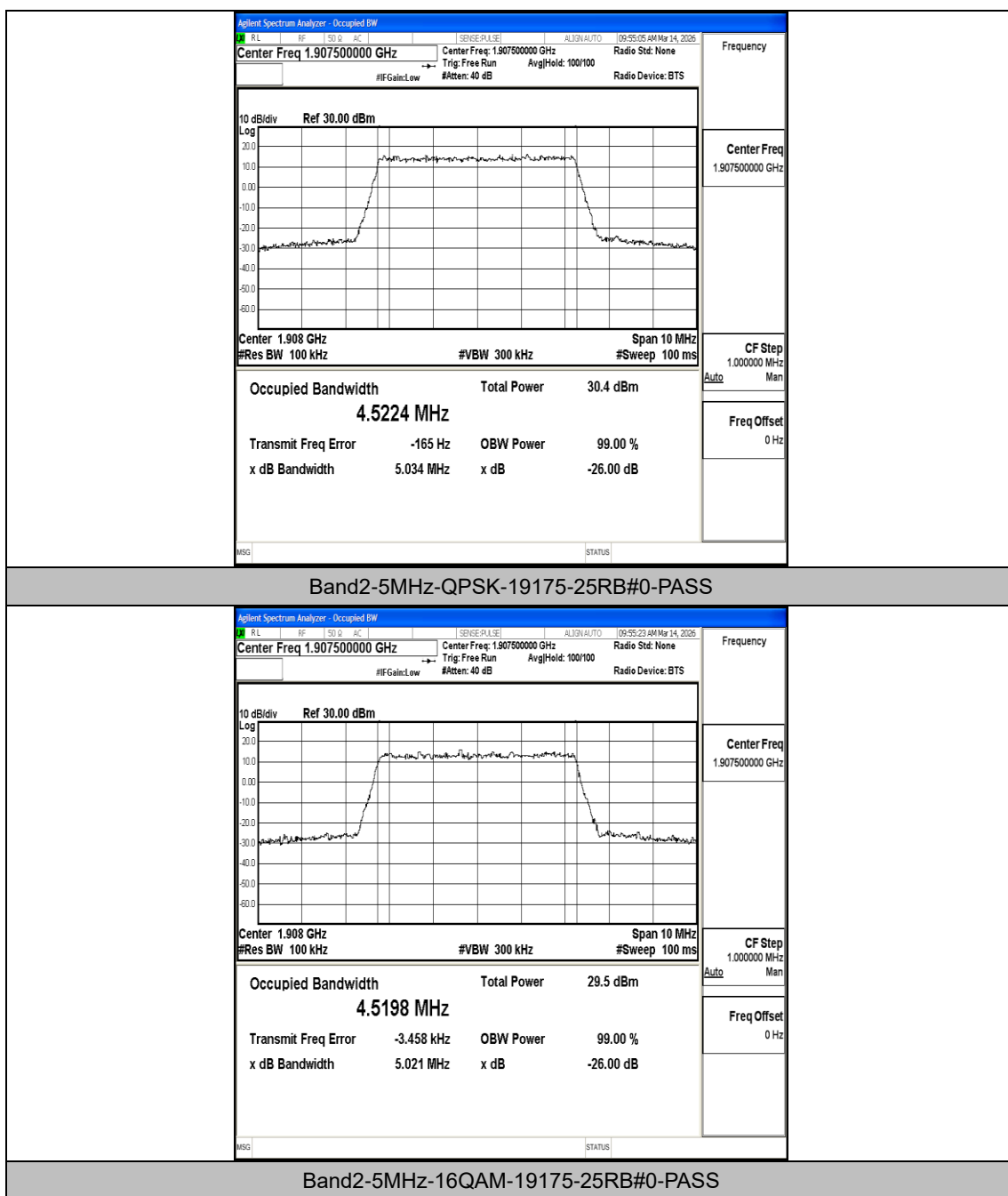










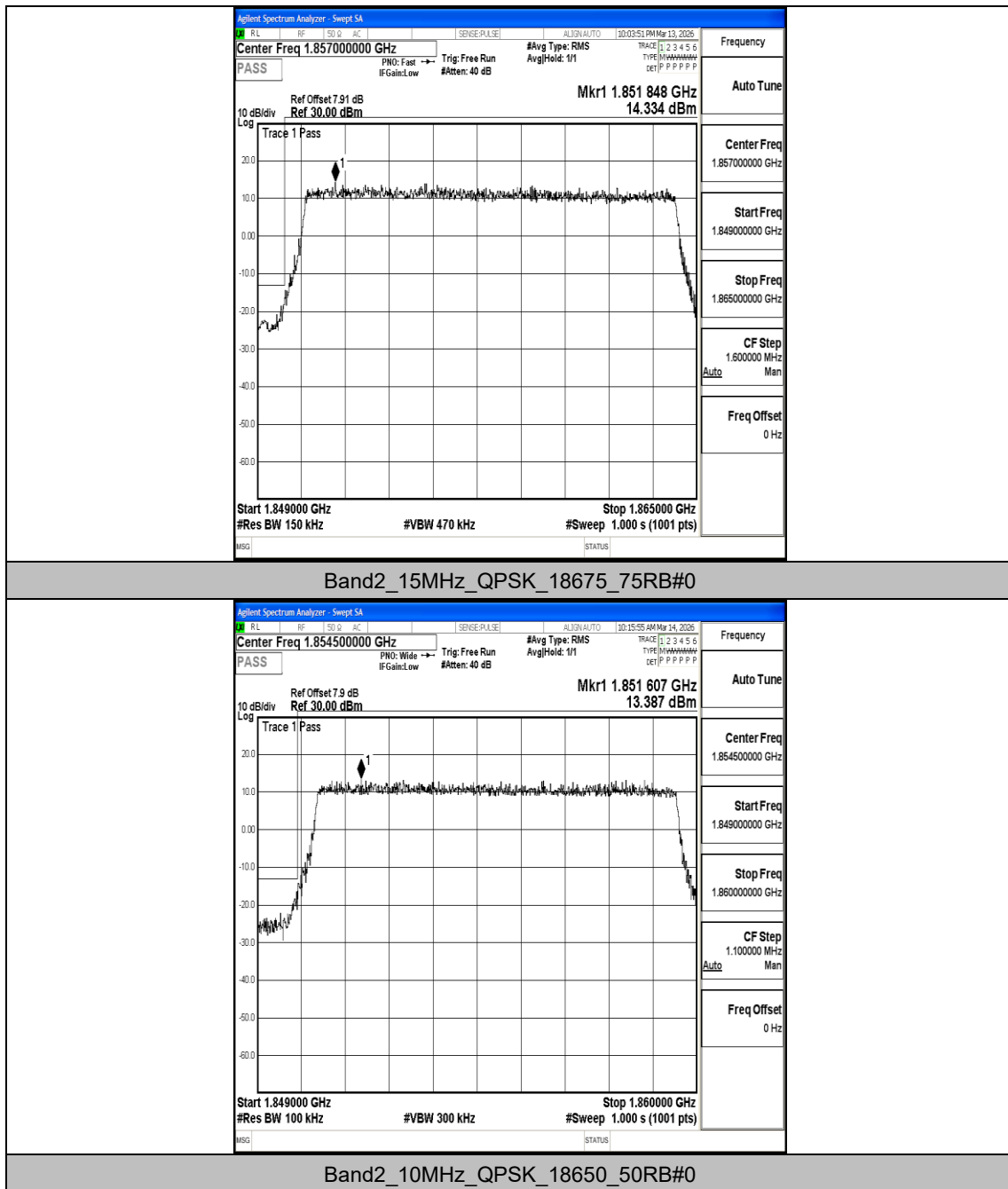


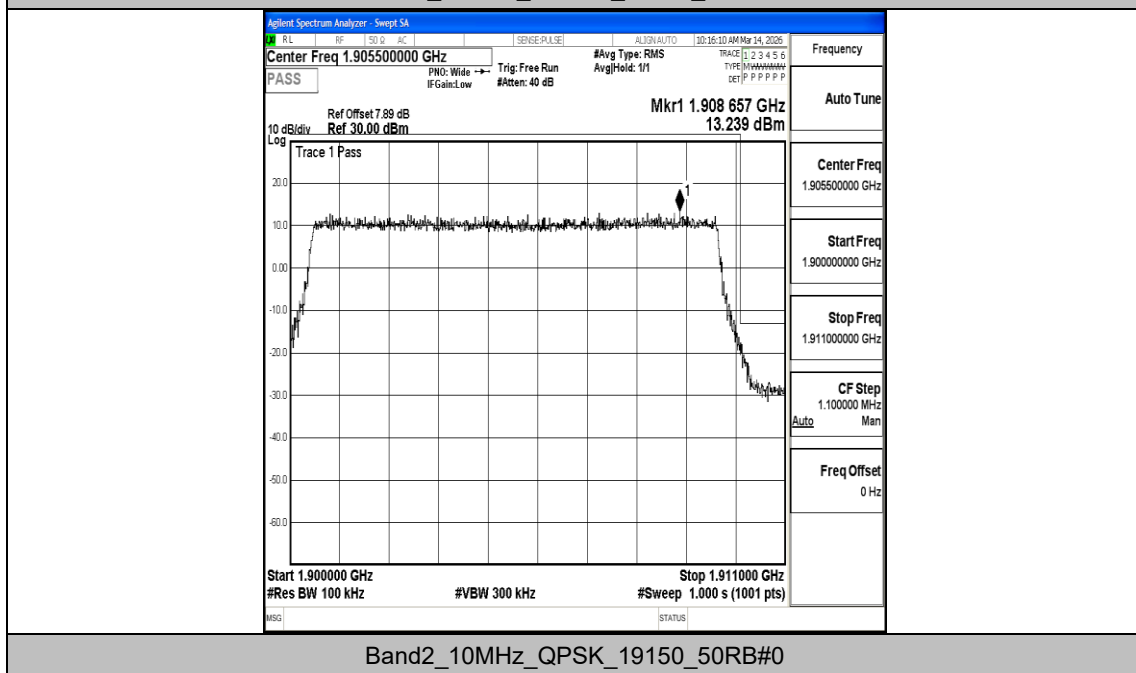
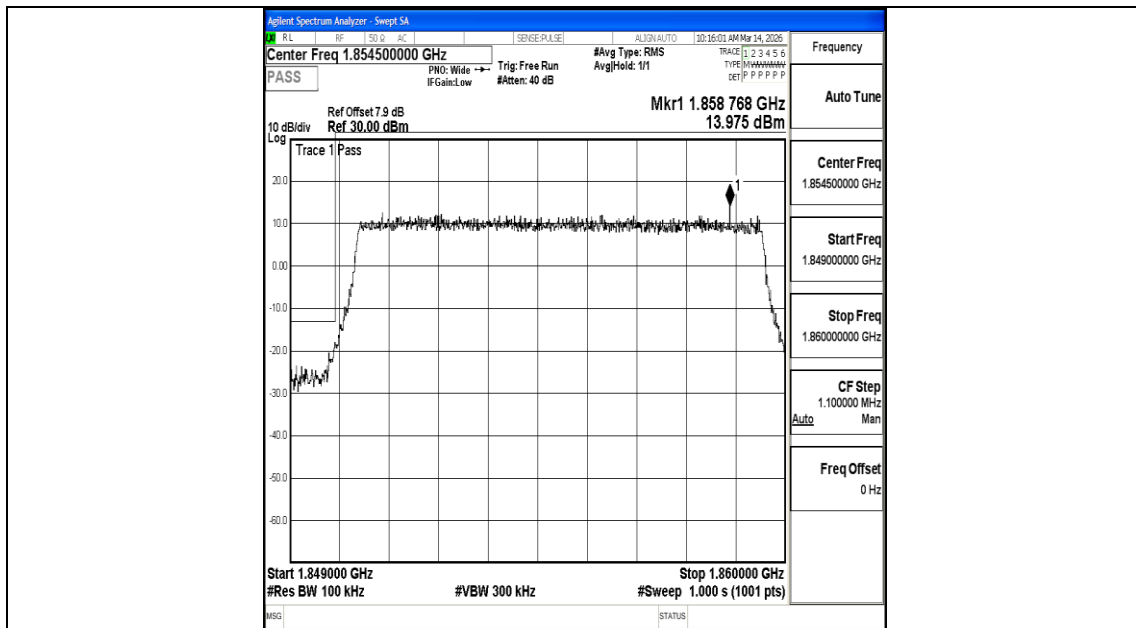
C Band Edge

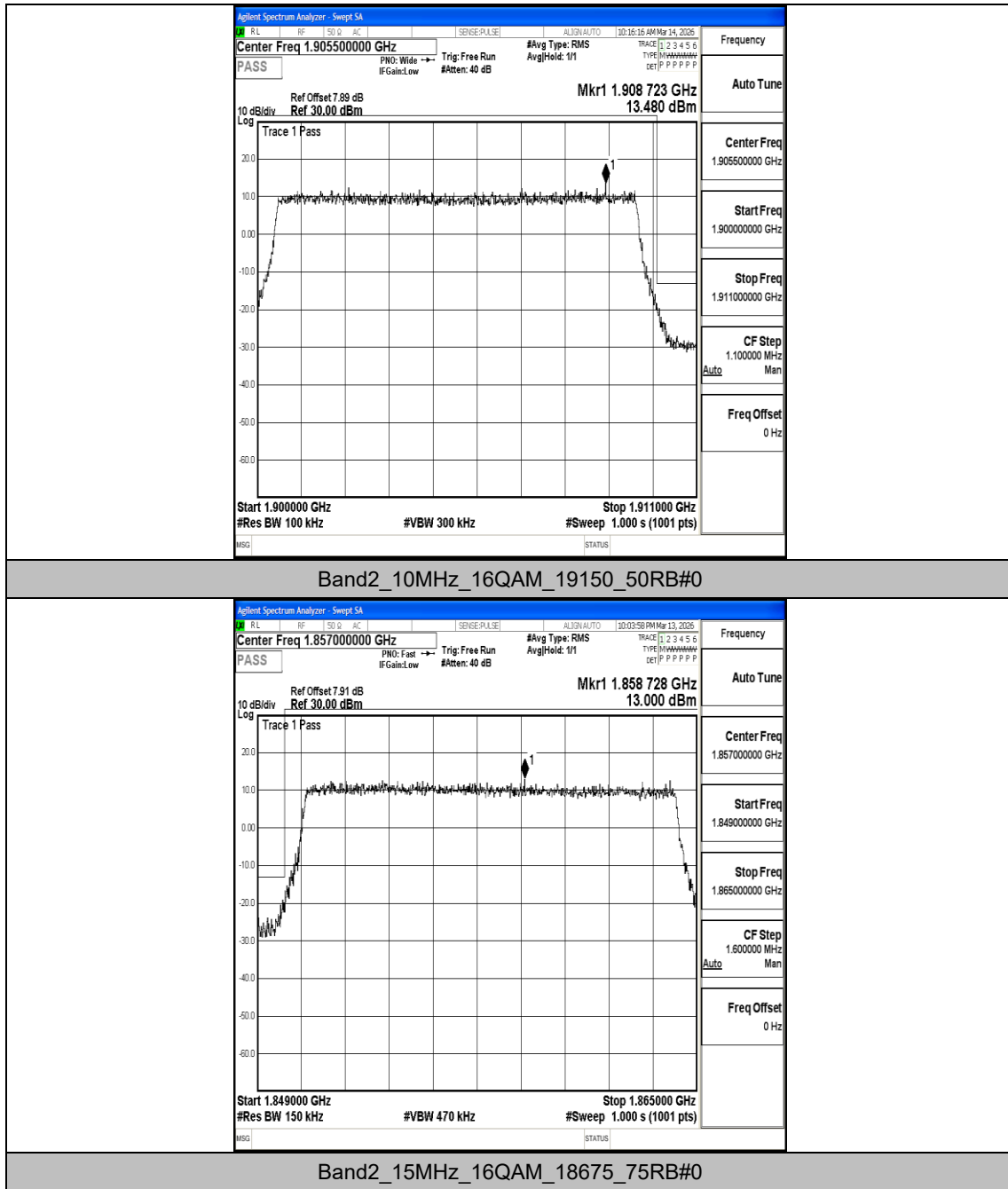
Test Result

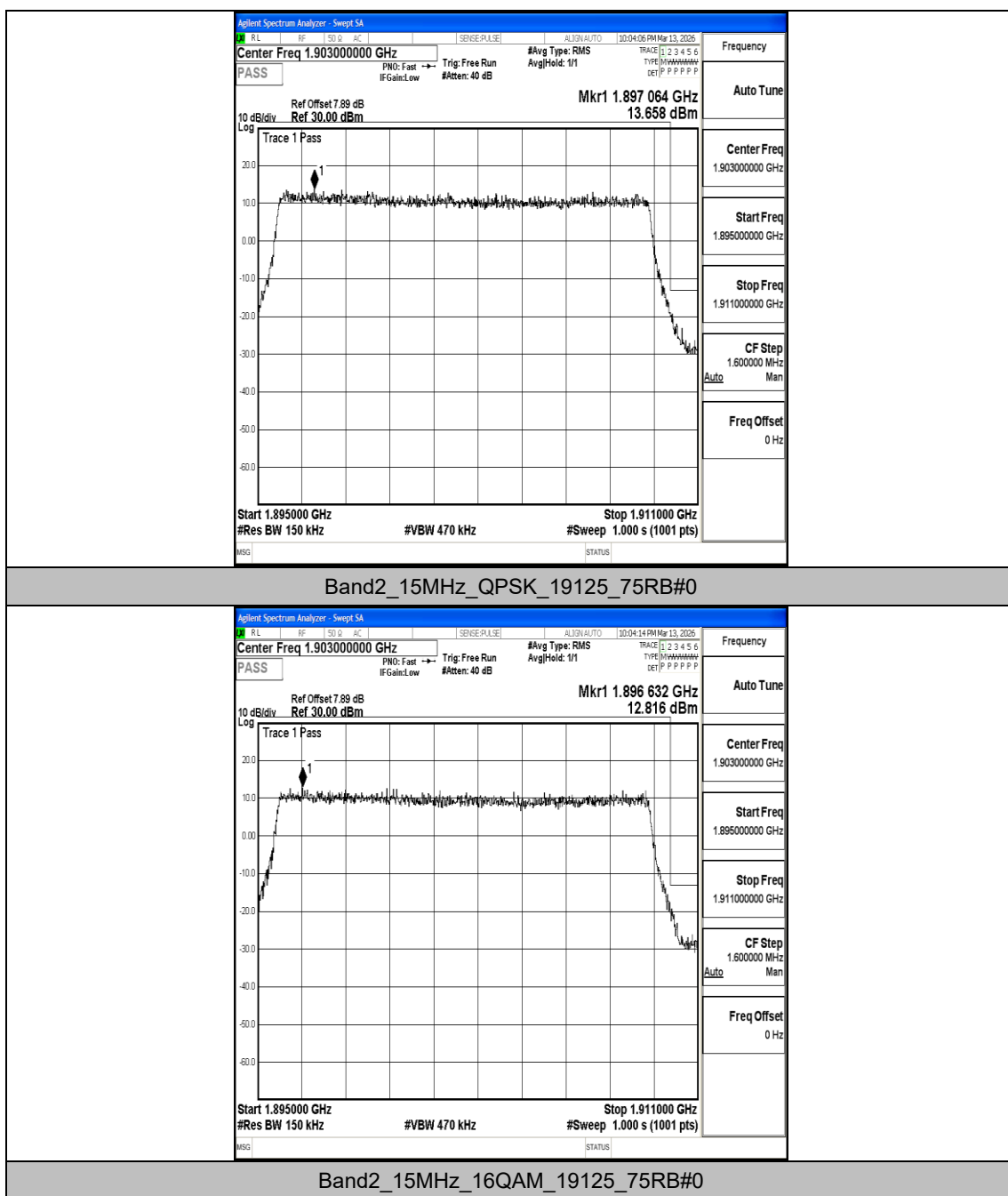
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band2	15MHz	QPSK	18675	75RB#0	1849.98	-18.21	PASS
Band2	10MHz	QPSK	18650	50RB#0	1849.99	-16.46	PASS
Band2	10MHz	16QAM	18650	50RB#0	1849.99	-19.39	PASS
Band2	10MHz	QPSK	19150	50RB#0	1910.01	-17.65	PASS
Band2	10MHz	16QAM	19150	50RB#0	1910.01	-19.61	PASS
Band2	15MHz	16QAM	18675	75RB#0	1849.93	-19.15	PASS
Band2	15MHz	QPSK	19125	75RB#0	1910.06	-19.34	PASS
Band2	15MHz	16QAM	19125	75RB#0	1910.04	-19.34	PASS
Band2	20MHz	QPSK	18700	100RB#0	1849.95	-19.57	PASS
Band2	20MHz	16QAM	18700	100RB#0	1849.99	-20.63	PASS
Band2	20MHz	QPSK	19100	100RB#0	1910.01	-21.07	PASS
Band2	20MHz	16QAM	19100	100RB#0	1910.01	-23.01	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	1849.87	-23.82	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1849.85	-23.13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1910.02	-26.45	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1910.01	-25.80	PASS
Band2	3MHz	QPSK	18615	15RB#0	1850.00	-17.72	PASS
Band2	3MHz	16QAM	18615	15RB#0	1850.00	-21.51	PASS
Band2	3MHz	QPSK	19185	15RB#0	1910.00	-17.02	PASS
Band2	3MHz	16QAM	19185	15RB#0	1910.04	-22.54	PASS
Band2	5MHz	QPSK	18625	25RB#0	1849.98	-14.74	PASS
Band2	5MHz	16QAM	18625	25RB#0	1850.00	-15.43	PASS
Band2	5MHz	QPSK	19175	25RB#0	1910.00	-14.41	PASS
Band2	5MHz	16QAM	19175	25RB#0	1910.02	-16.56	PASS

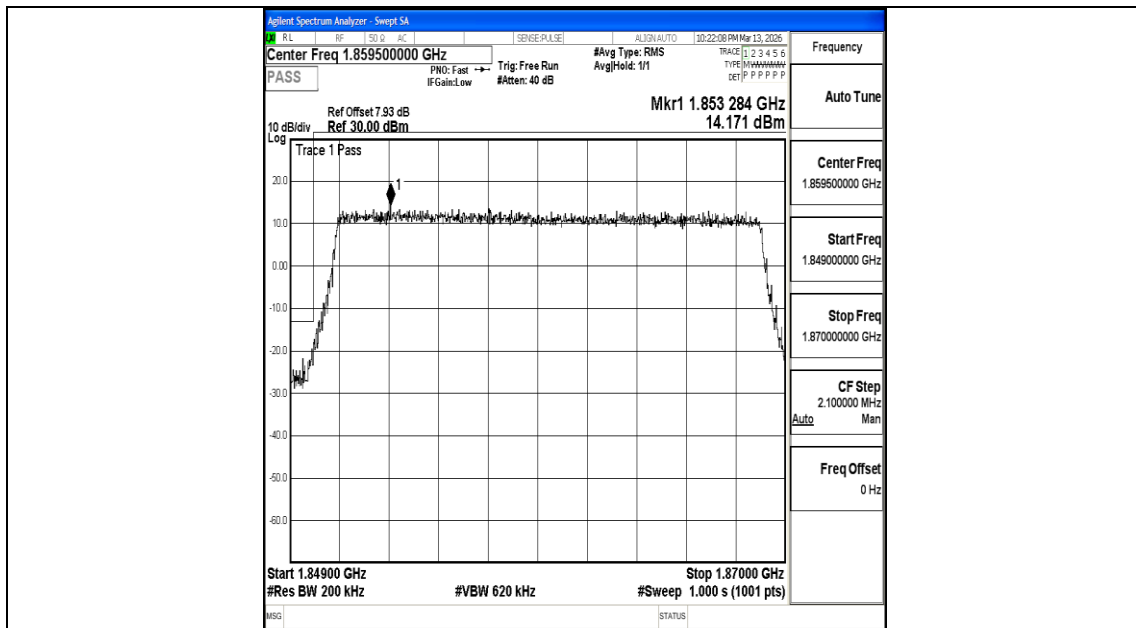
Test Graphs



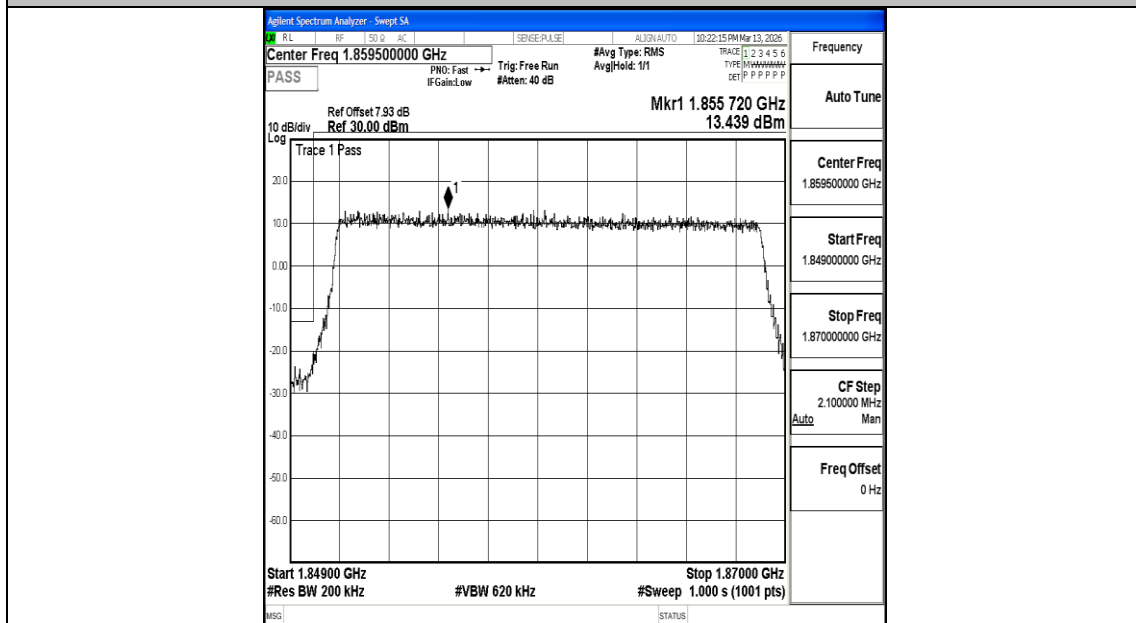




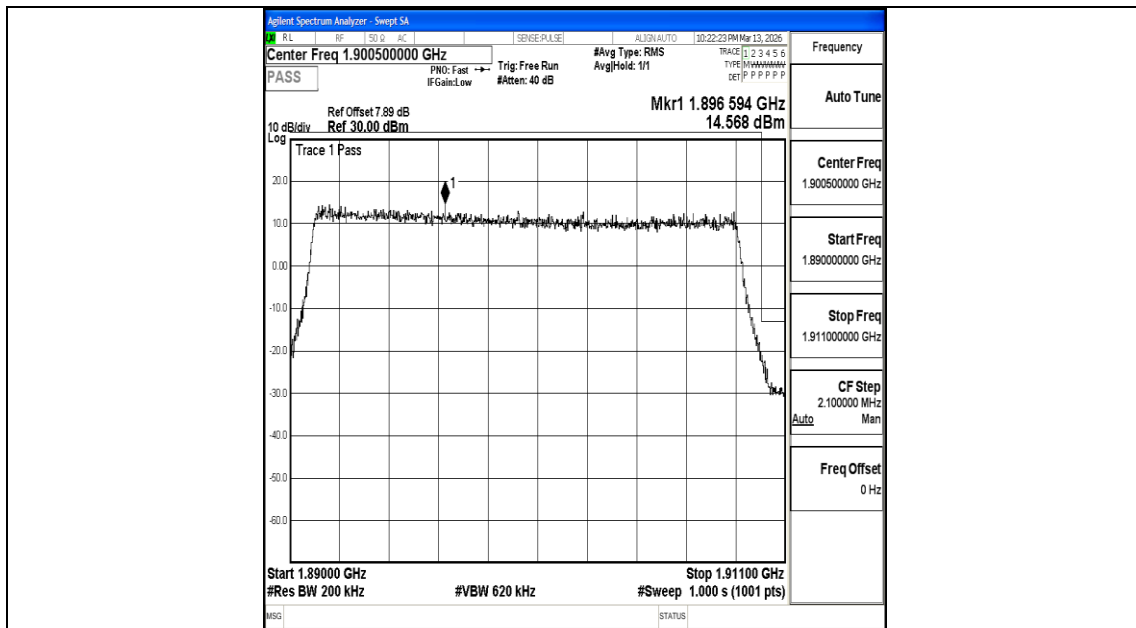




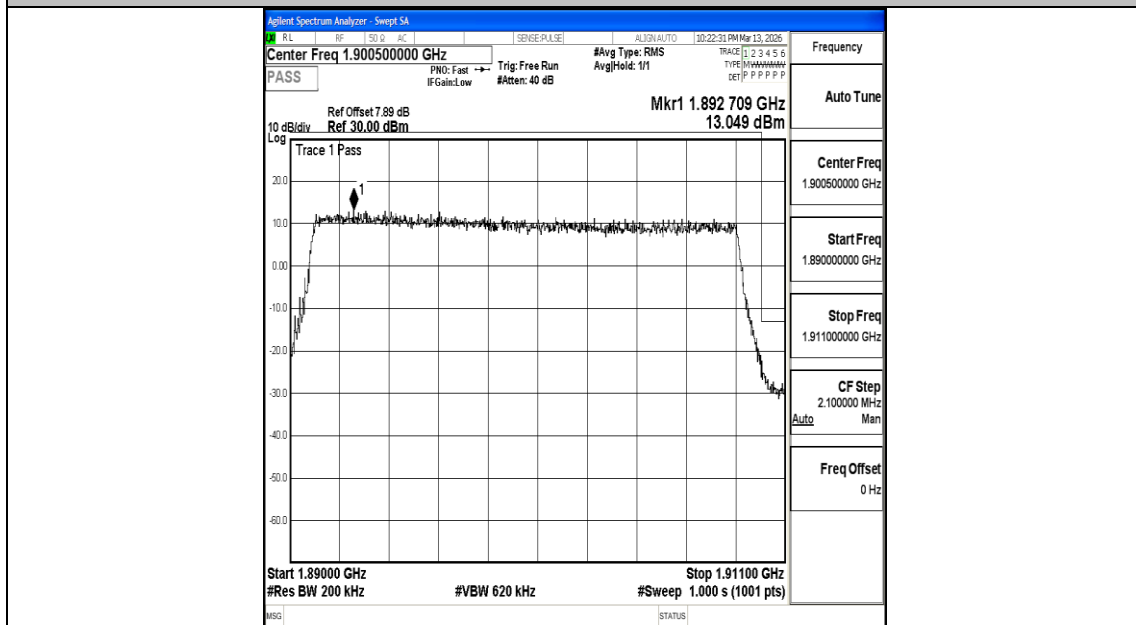
Band2_20MHz_QPSK_18700_100RB#0



Band2_20MHz_16QAM_18700_100RB#0



Band2_20MHz_QPSK_19100_100RB#0



Band2_20MHz_16QAM_19100_100RB#0