



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)

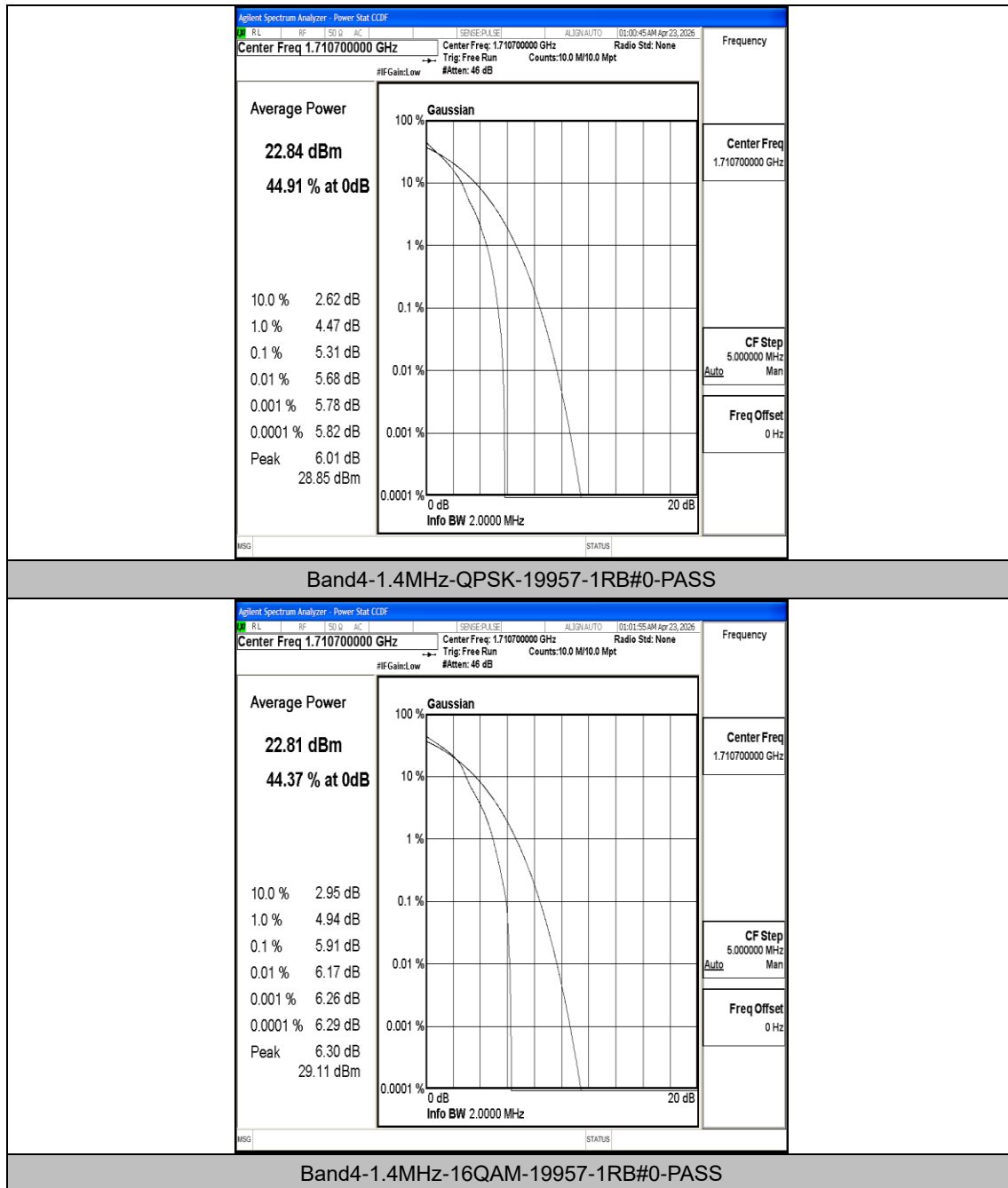
Test Result

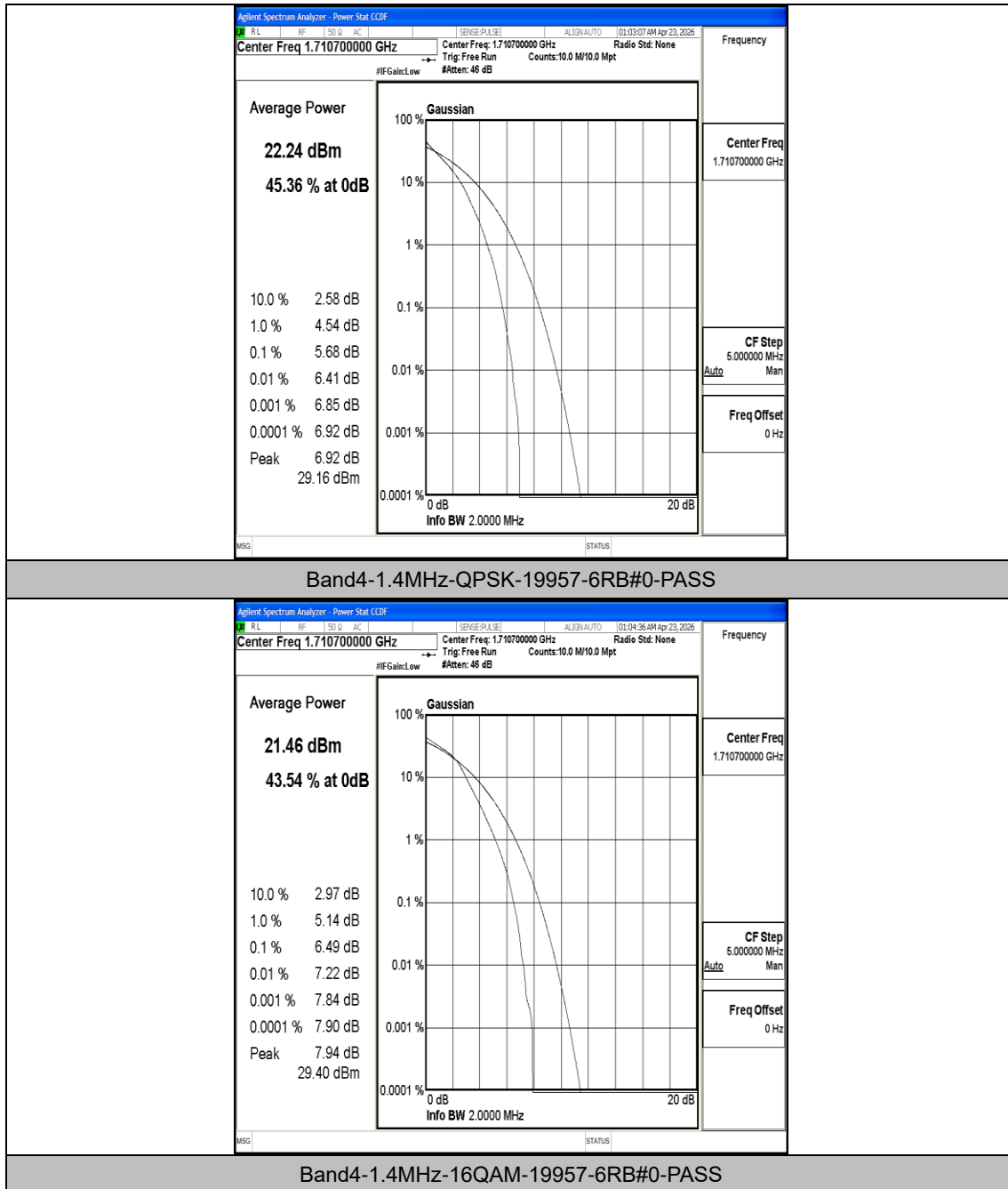
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	5.31	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.91	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.68	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.49	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.78	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.19	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.32	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.13	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	5.04	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.15	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.41	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.19	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	5.41	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.90	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.69	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.50	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.92	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.36	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.33	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.15	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	5.03	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.45	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.44	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.23	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	5.51	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.81	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.71	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.42	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	5.11	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.46	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.48	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.17	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	5.03	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.32	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.51	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.22	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	5.38	13	PASS

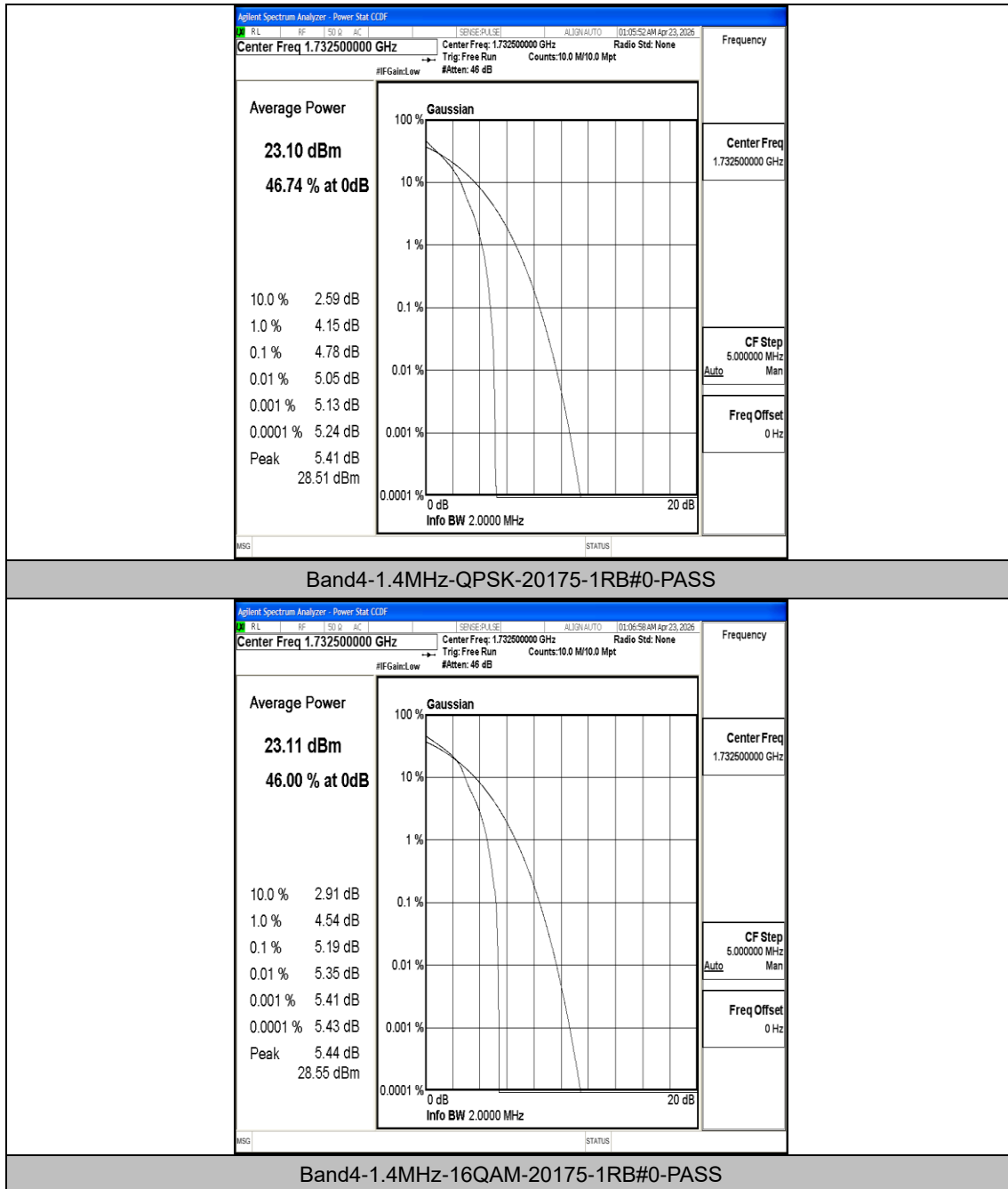


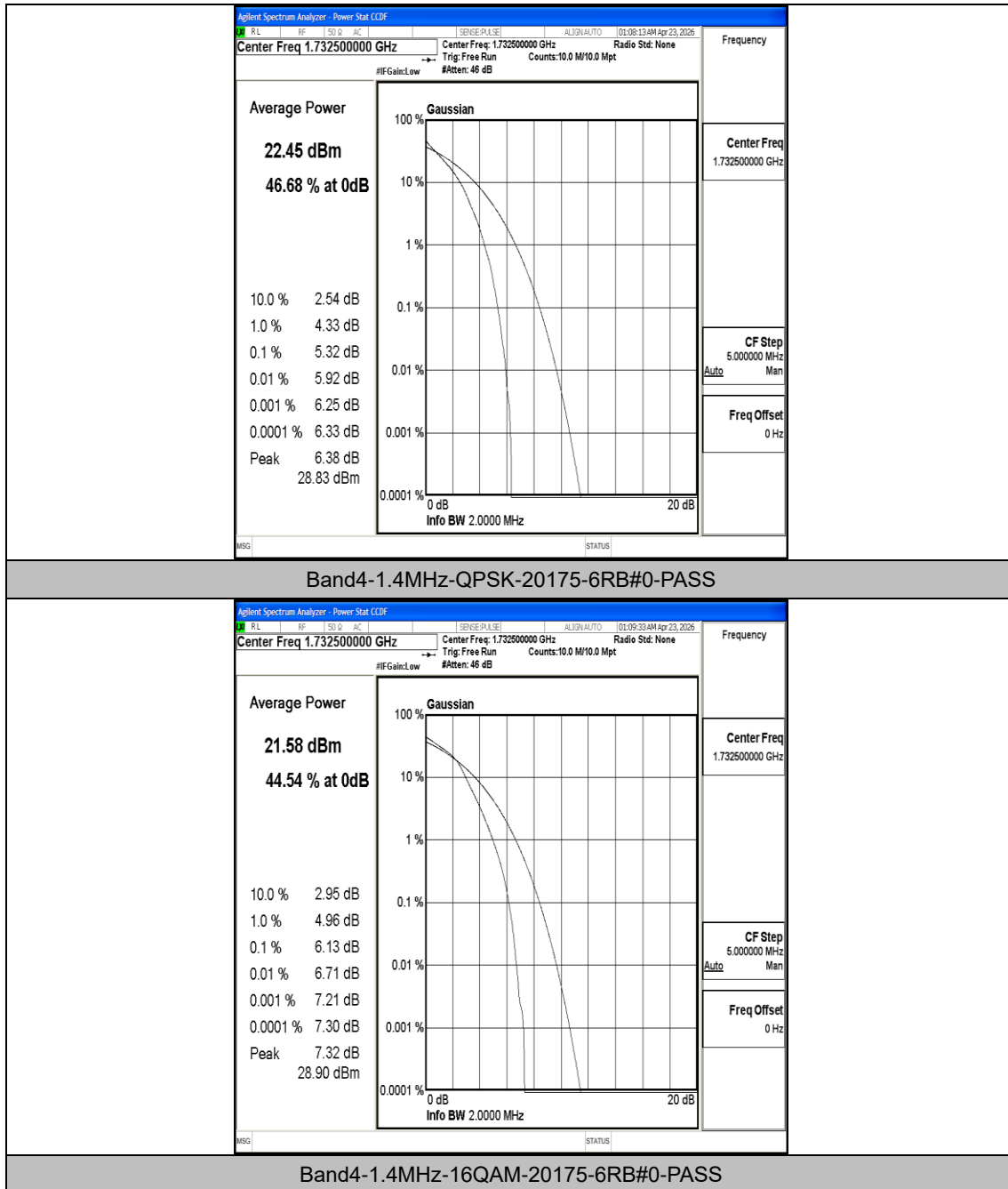
Band4	10MHz	16QAM	20000	1RB#0	5.77	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.72	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.46	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	5.18	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.58	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.48	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.24	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.73	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.29	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.50	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.27	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	5.44	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.96	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	6.01	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.50	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	5.33	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.75	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.77	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.29	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.92	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.10	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.80	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.30	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	5.33	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.72	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.73	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.48	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	5.24	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.69	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.47	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.27	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.78	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	4.82	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.61	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.26	13	PASS

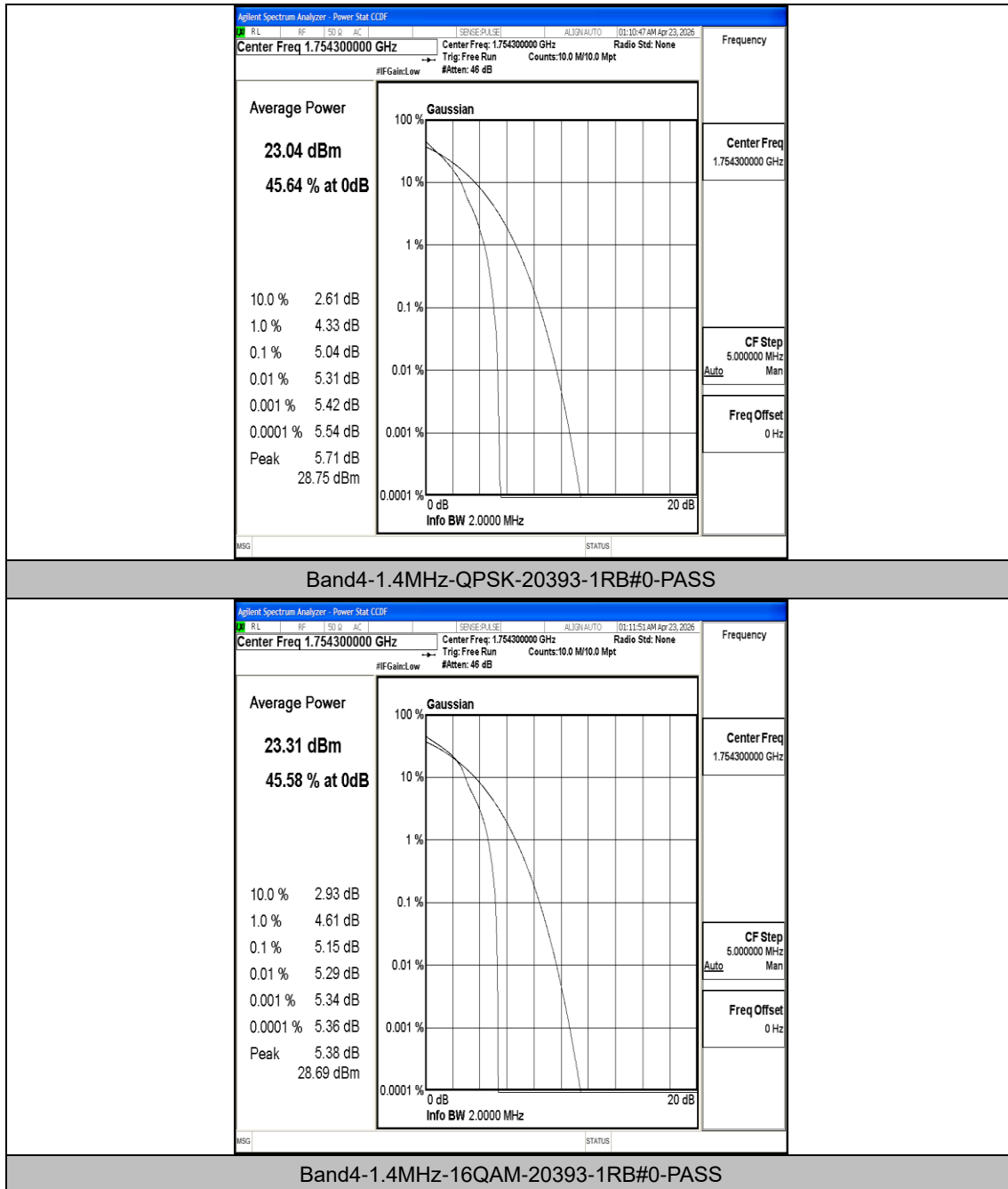
Test Graphs

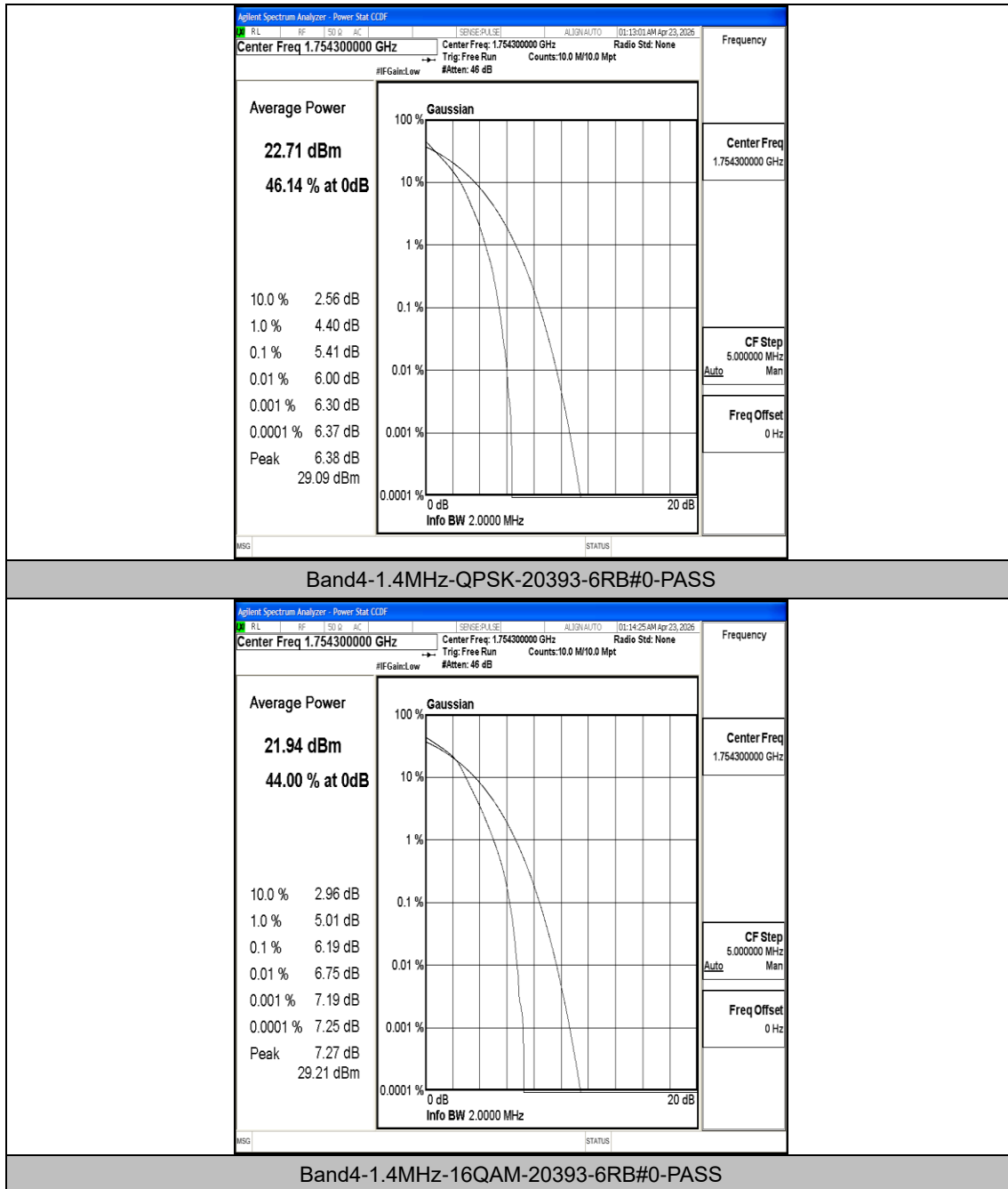


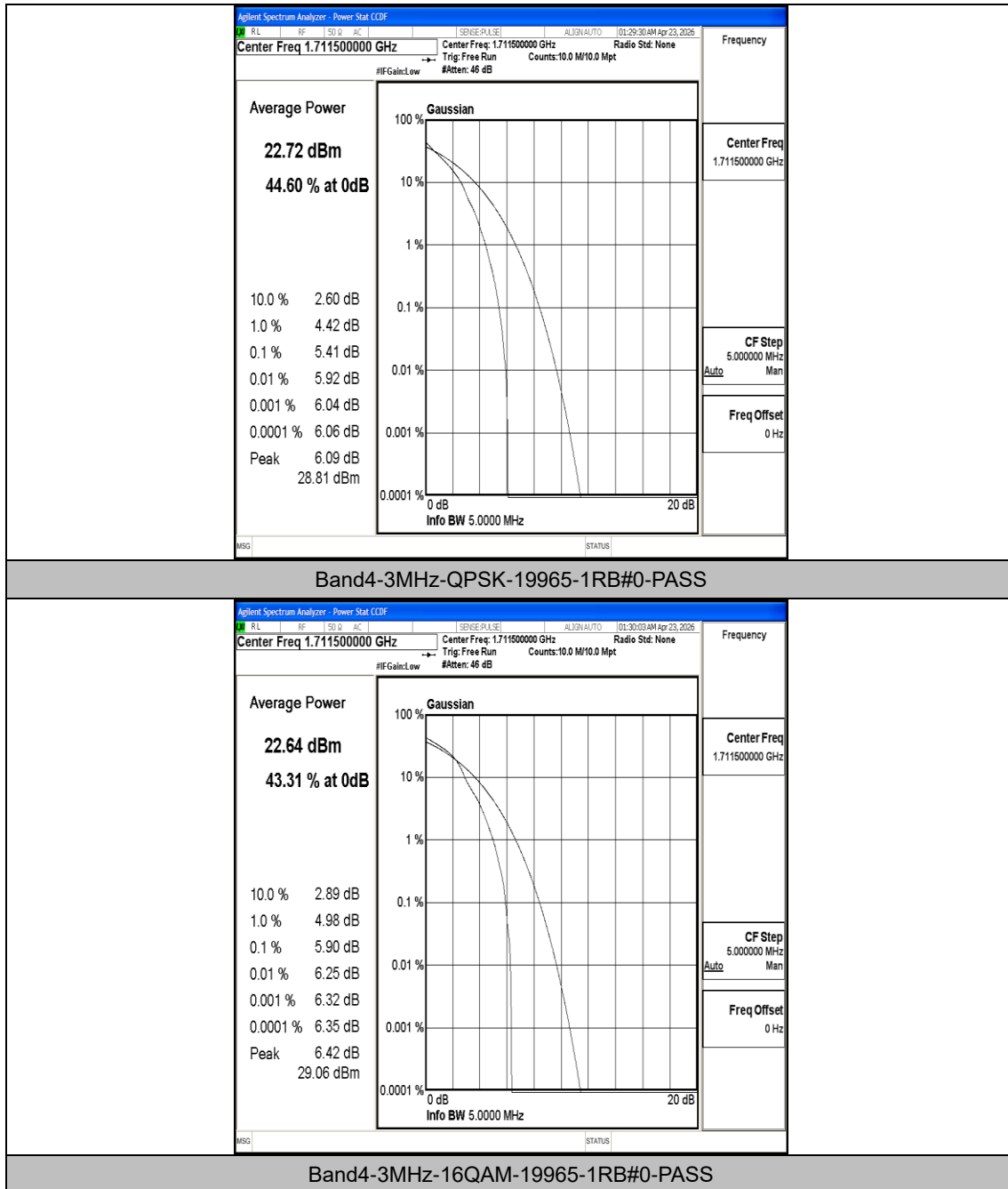


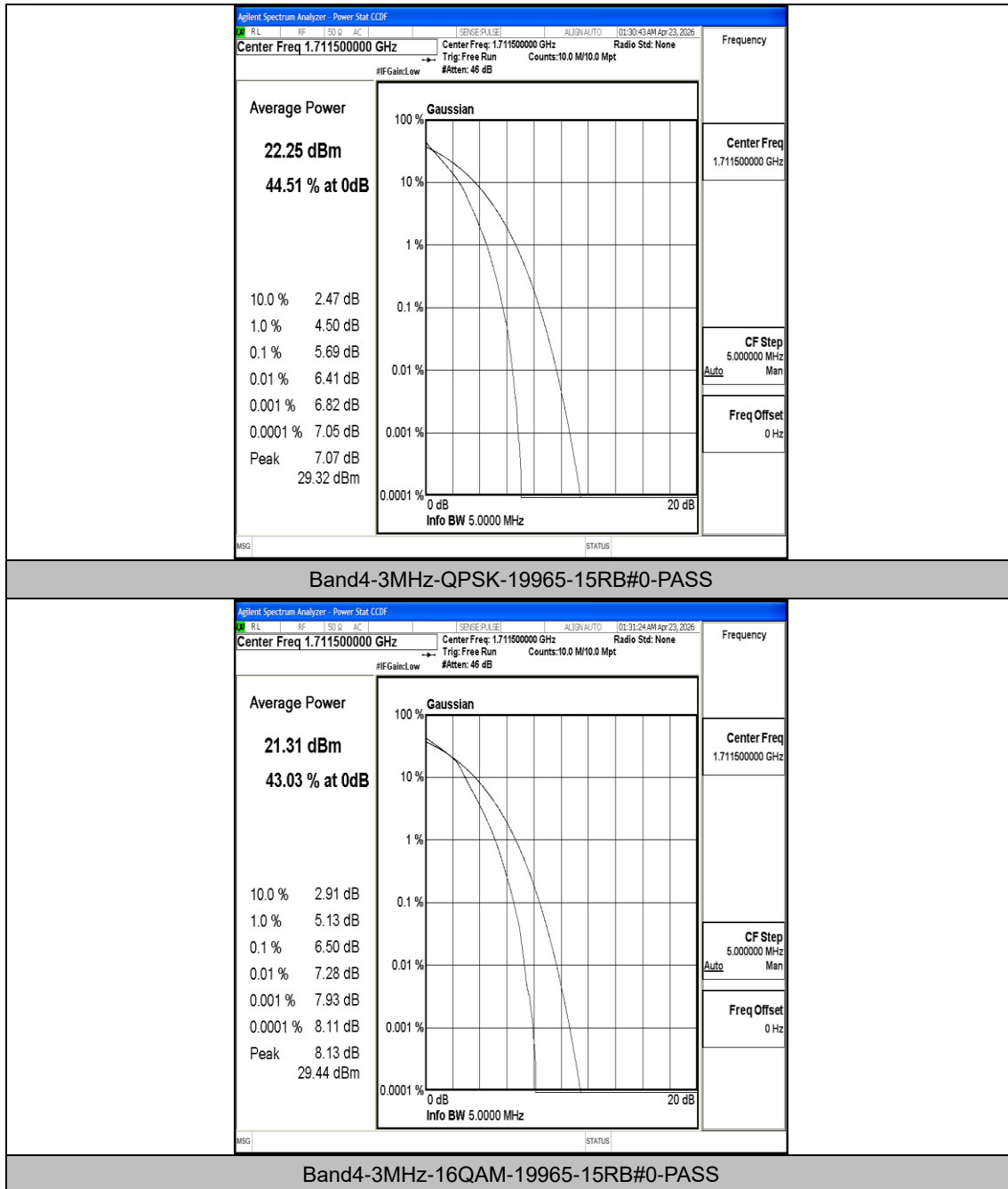


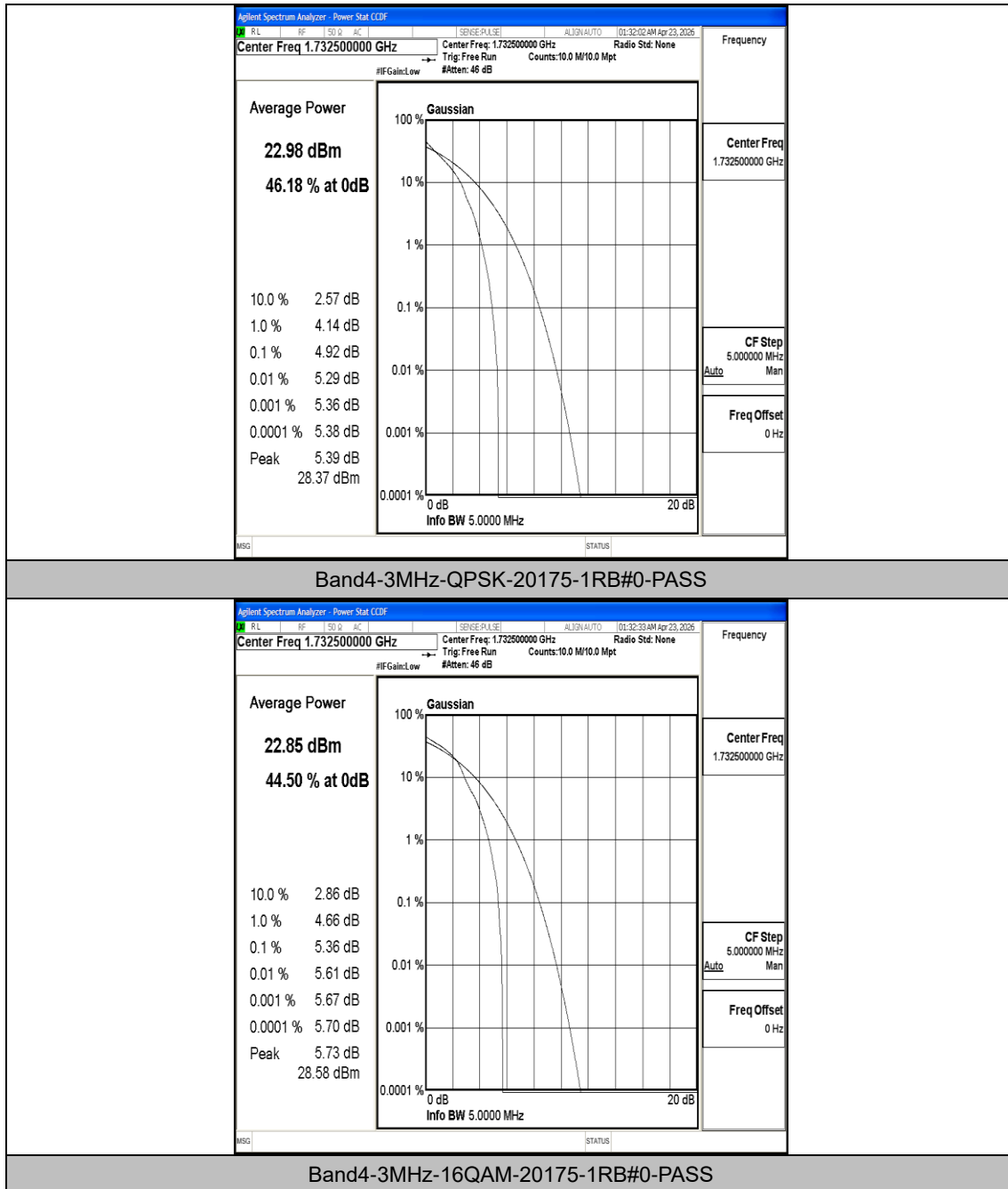


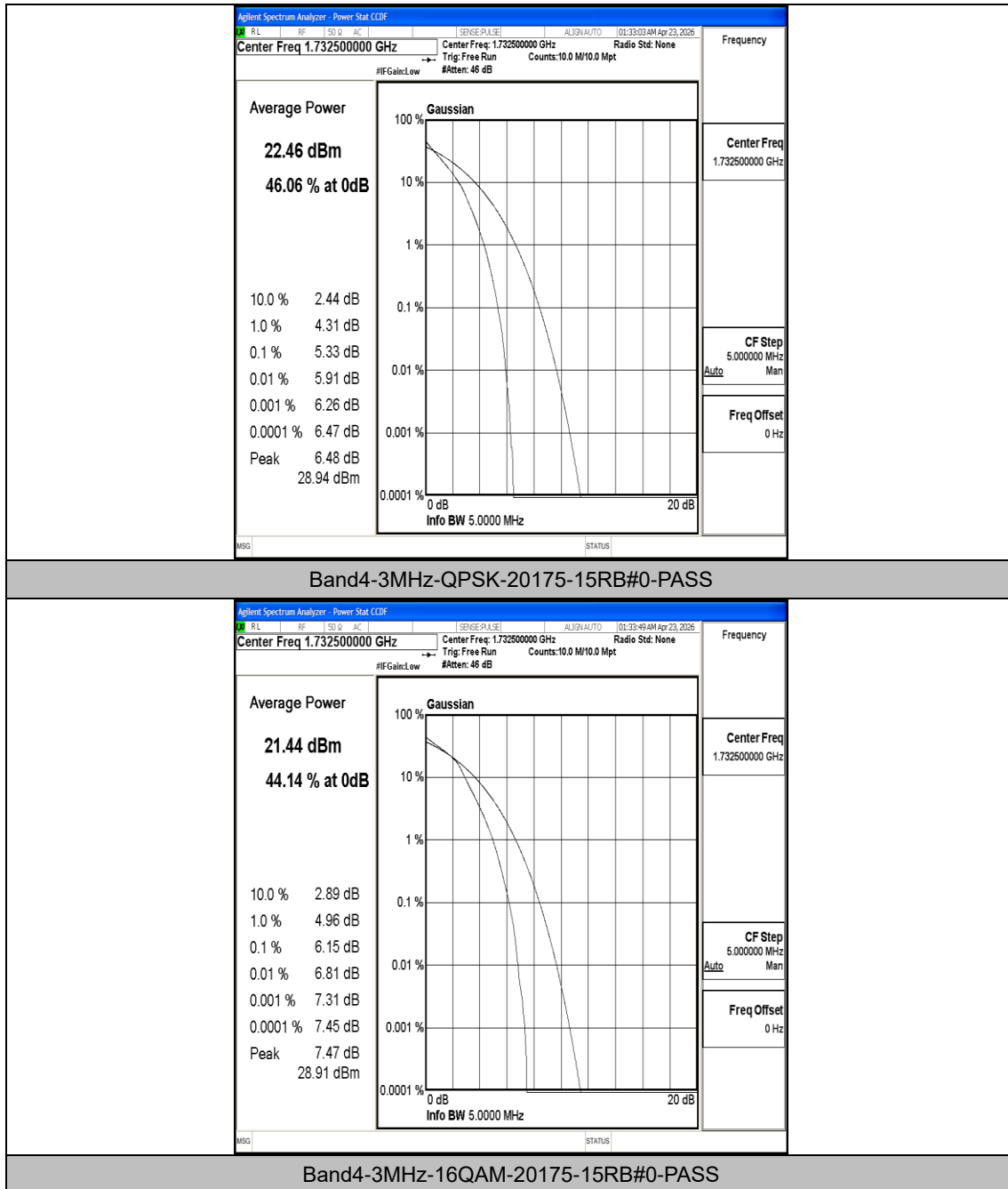


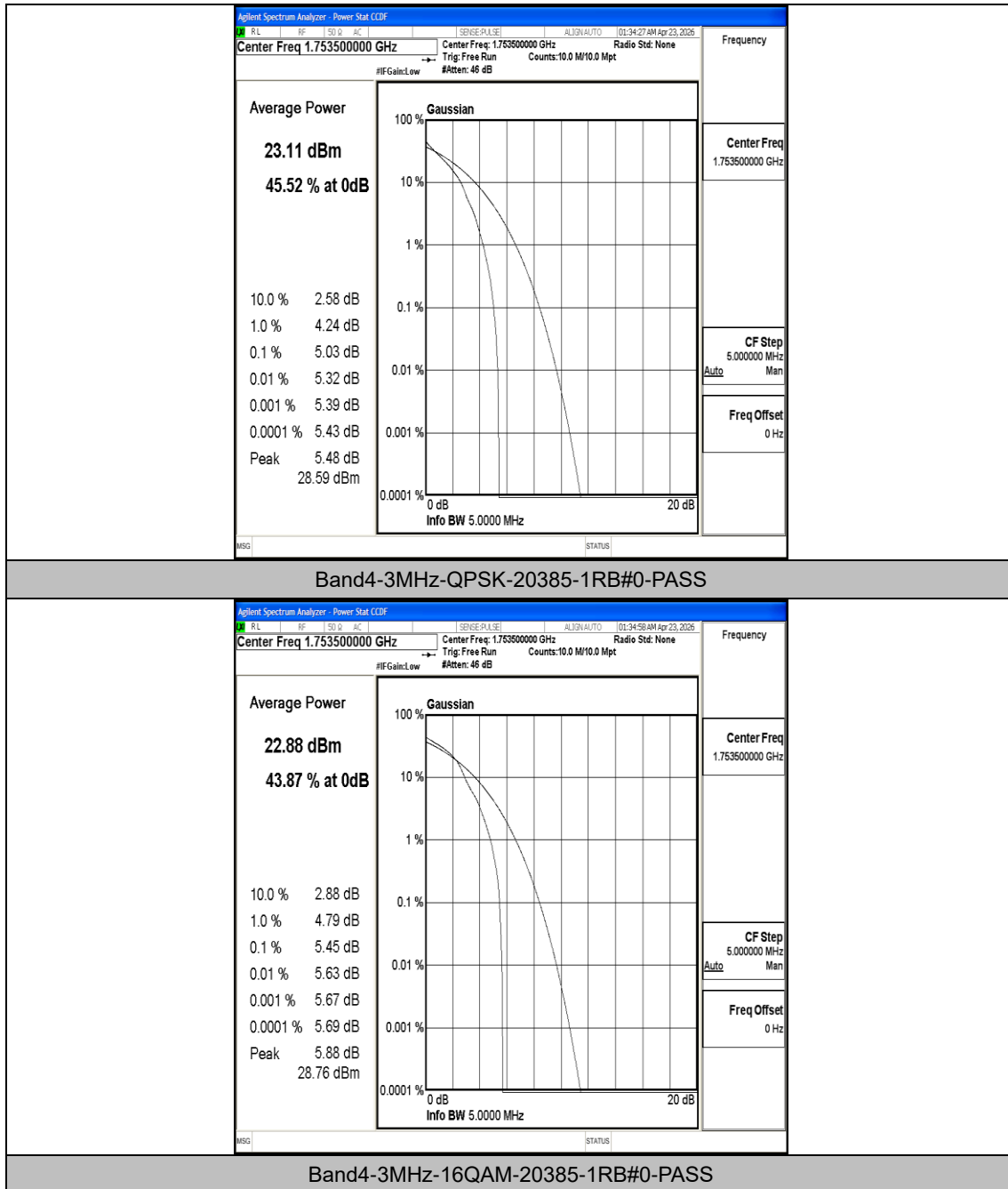


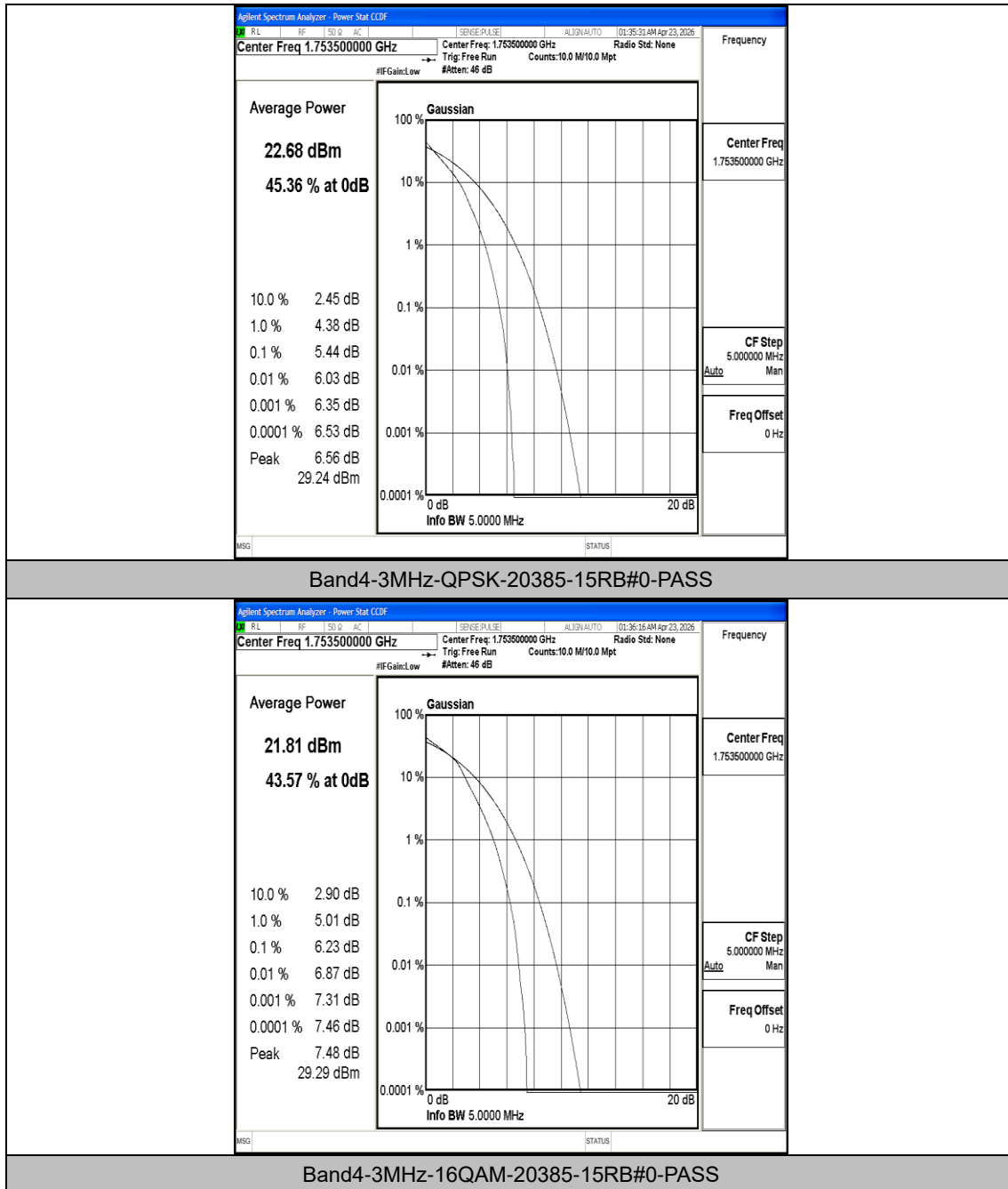


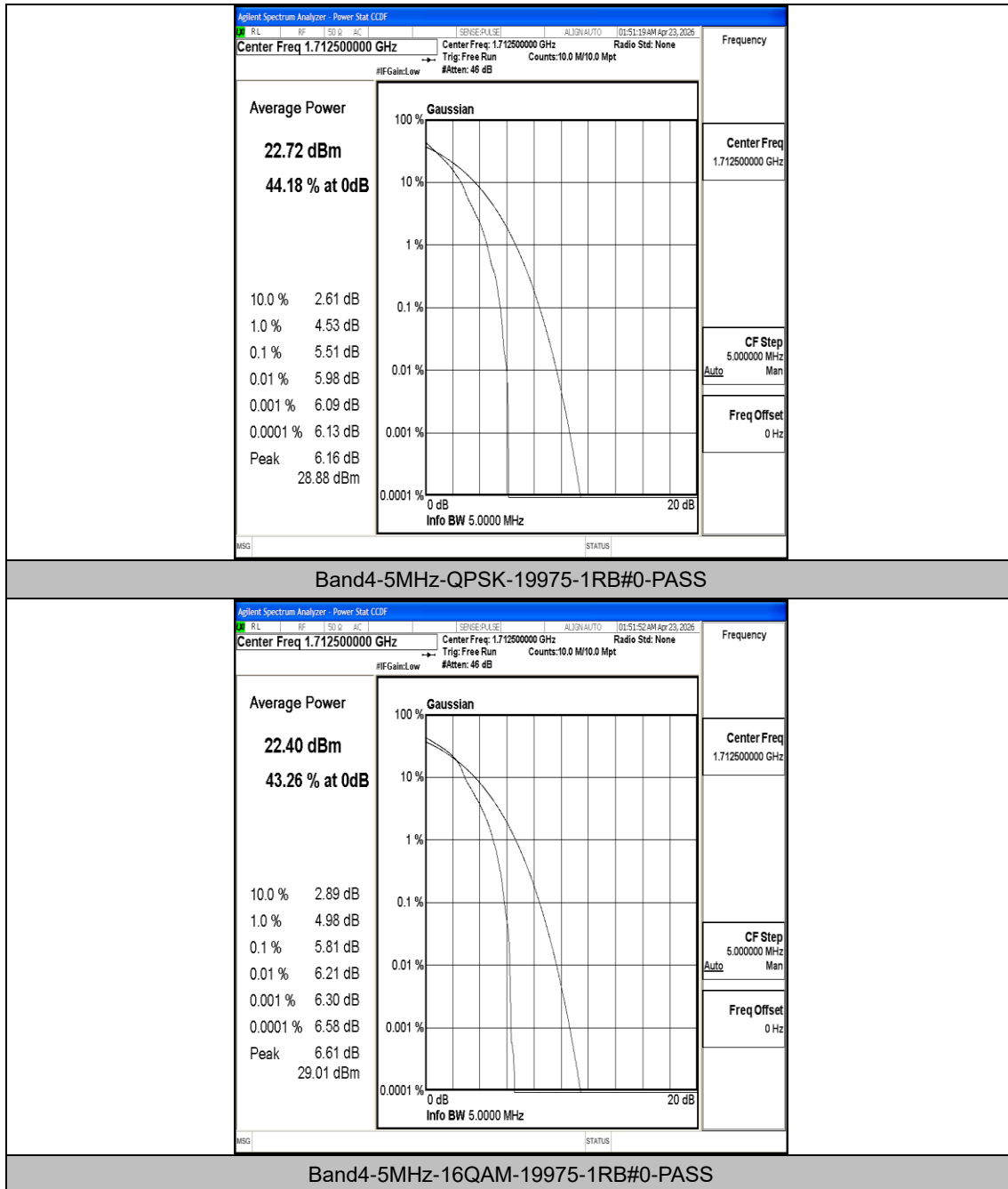


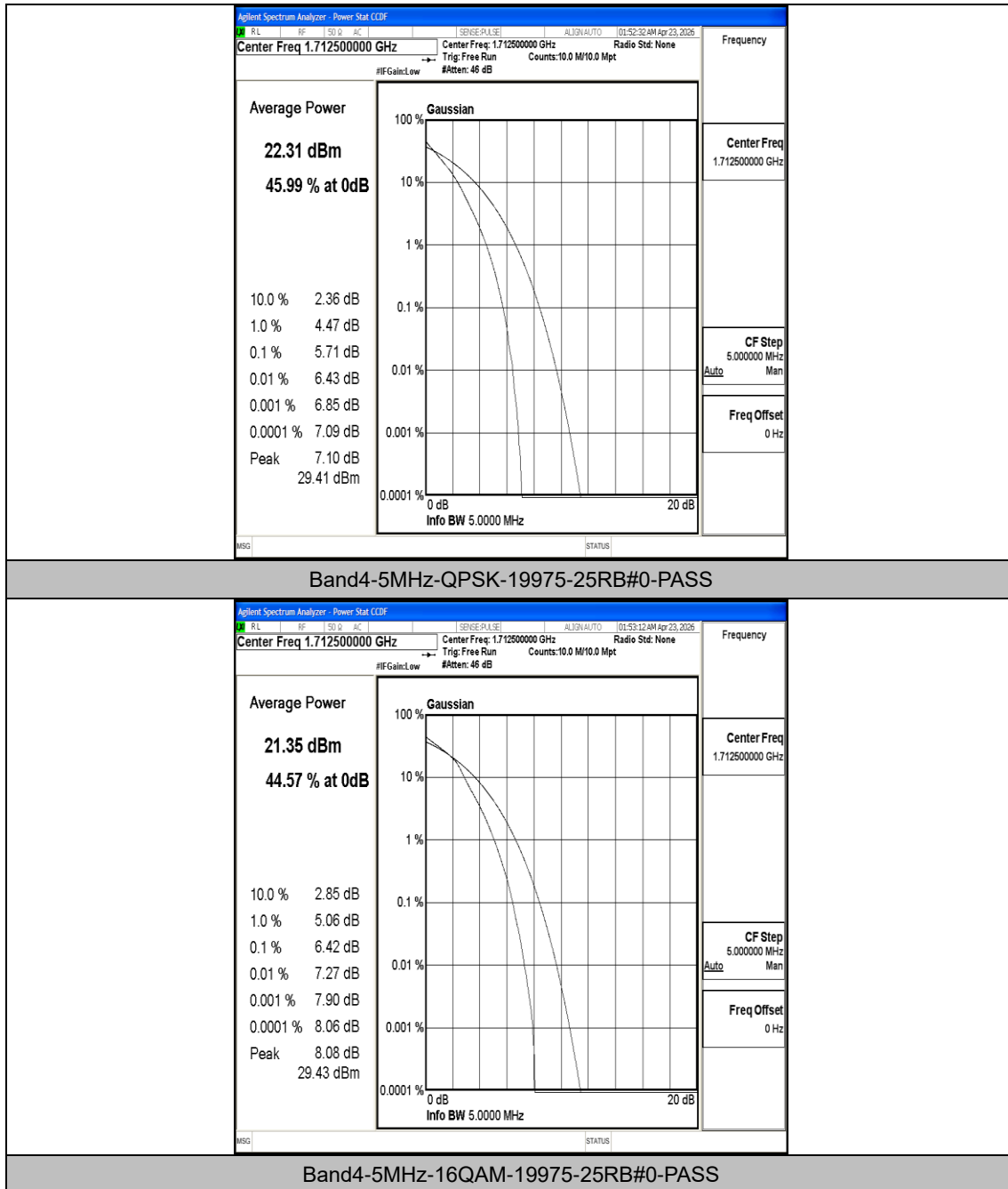


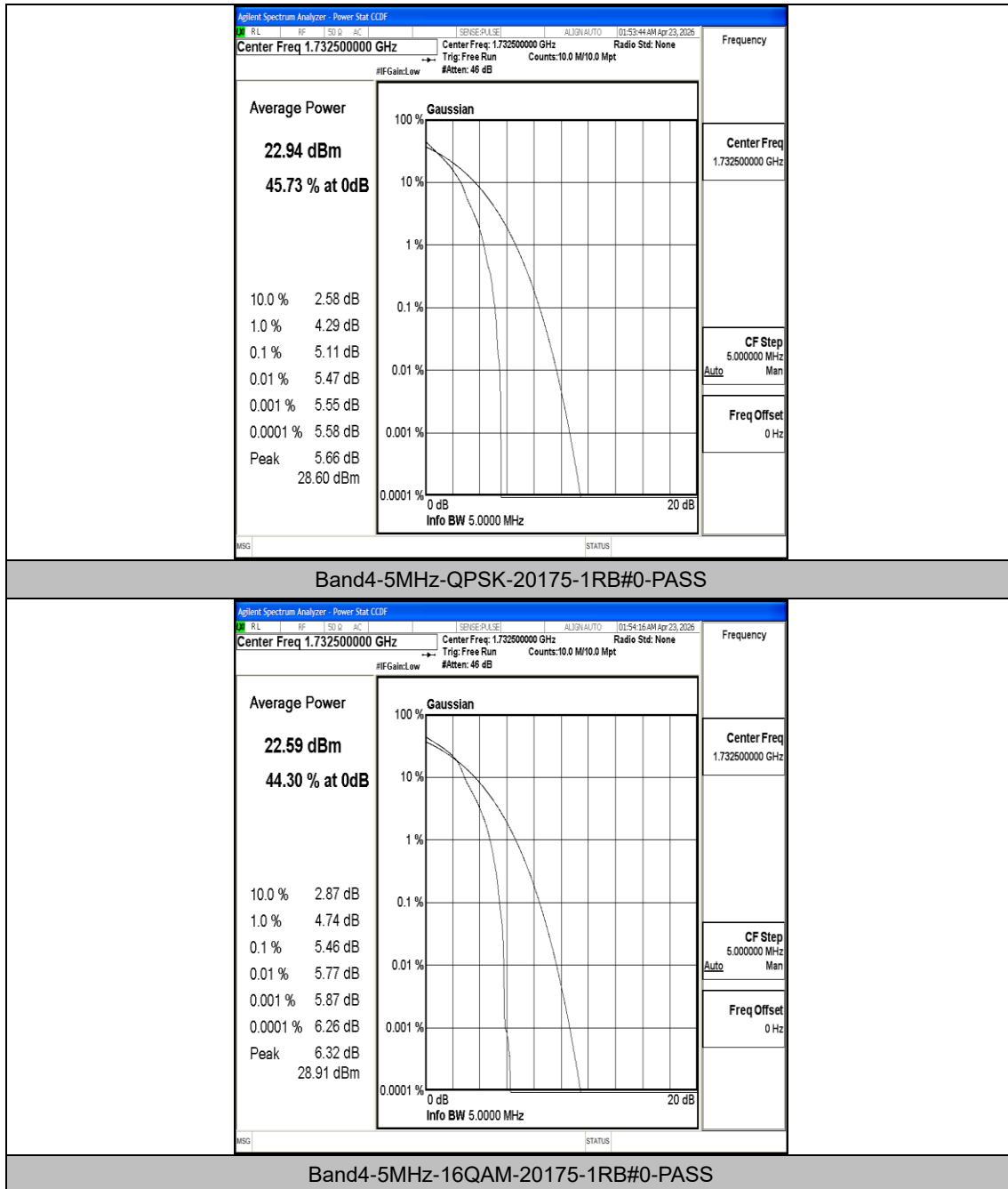


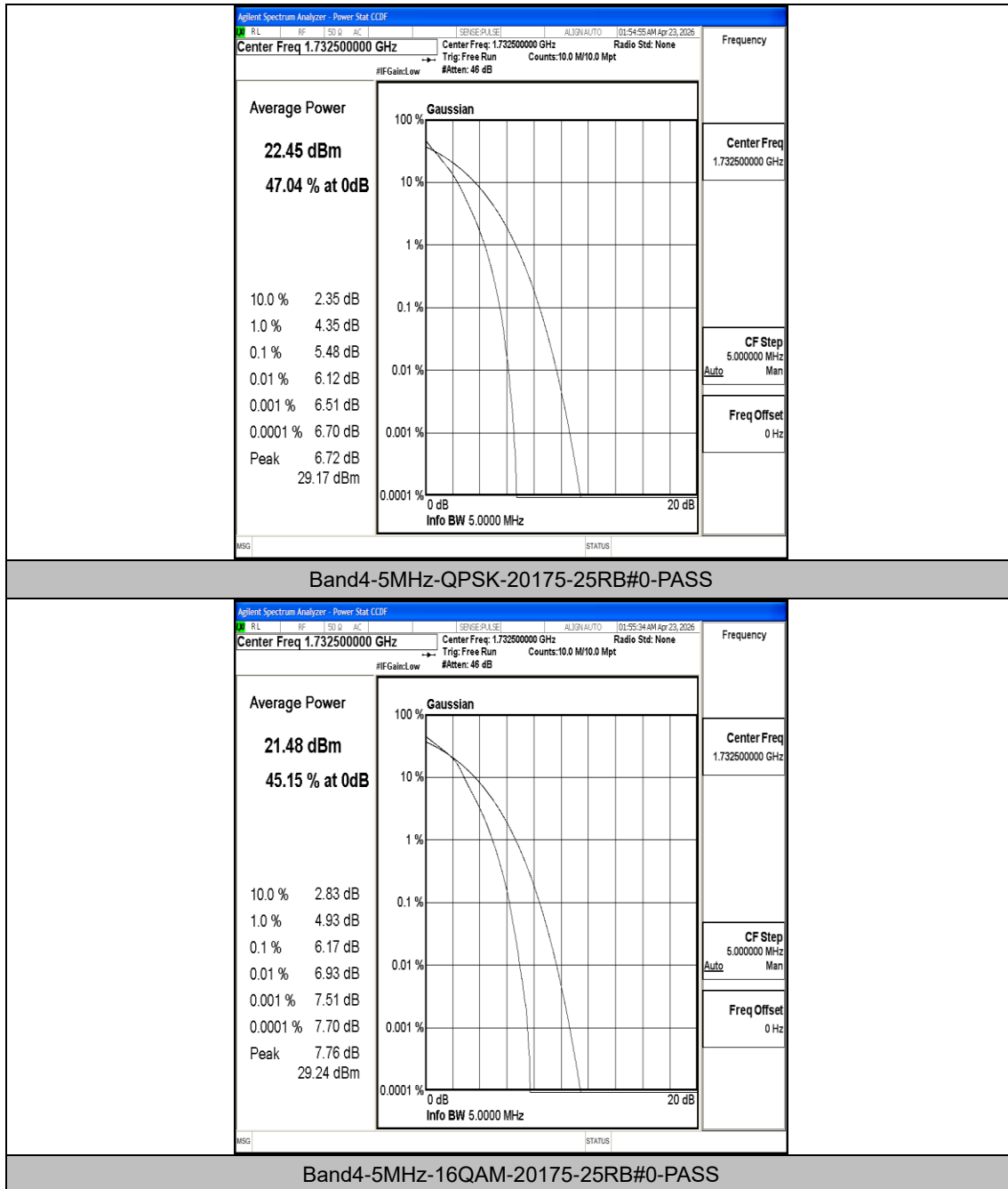


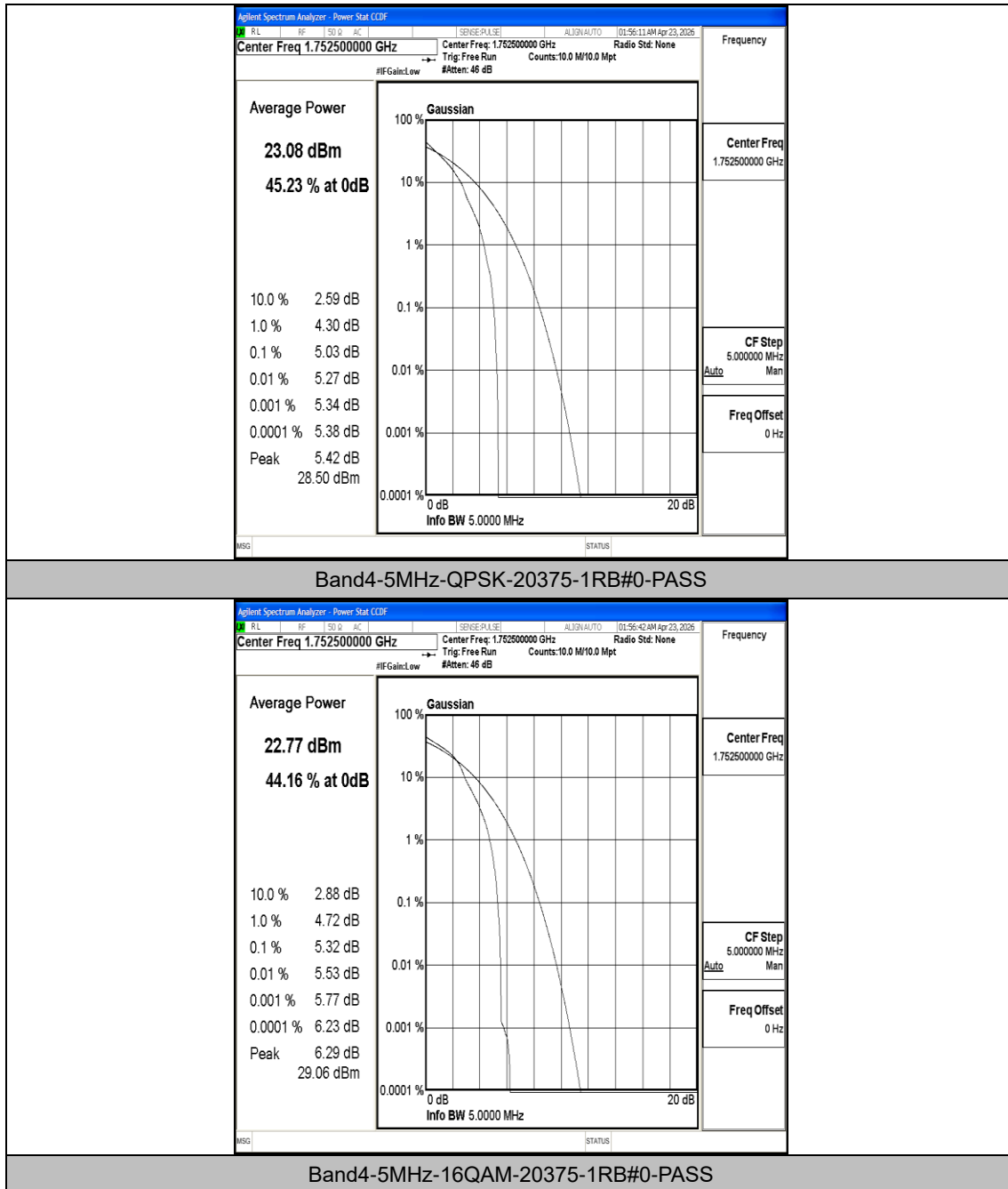


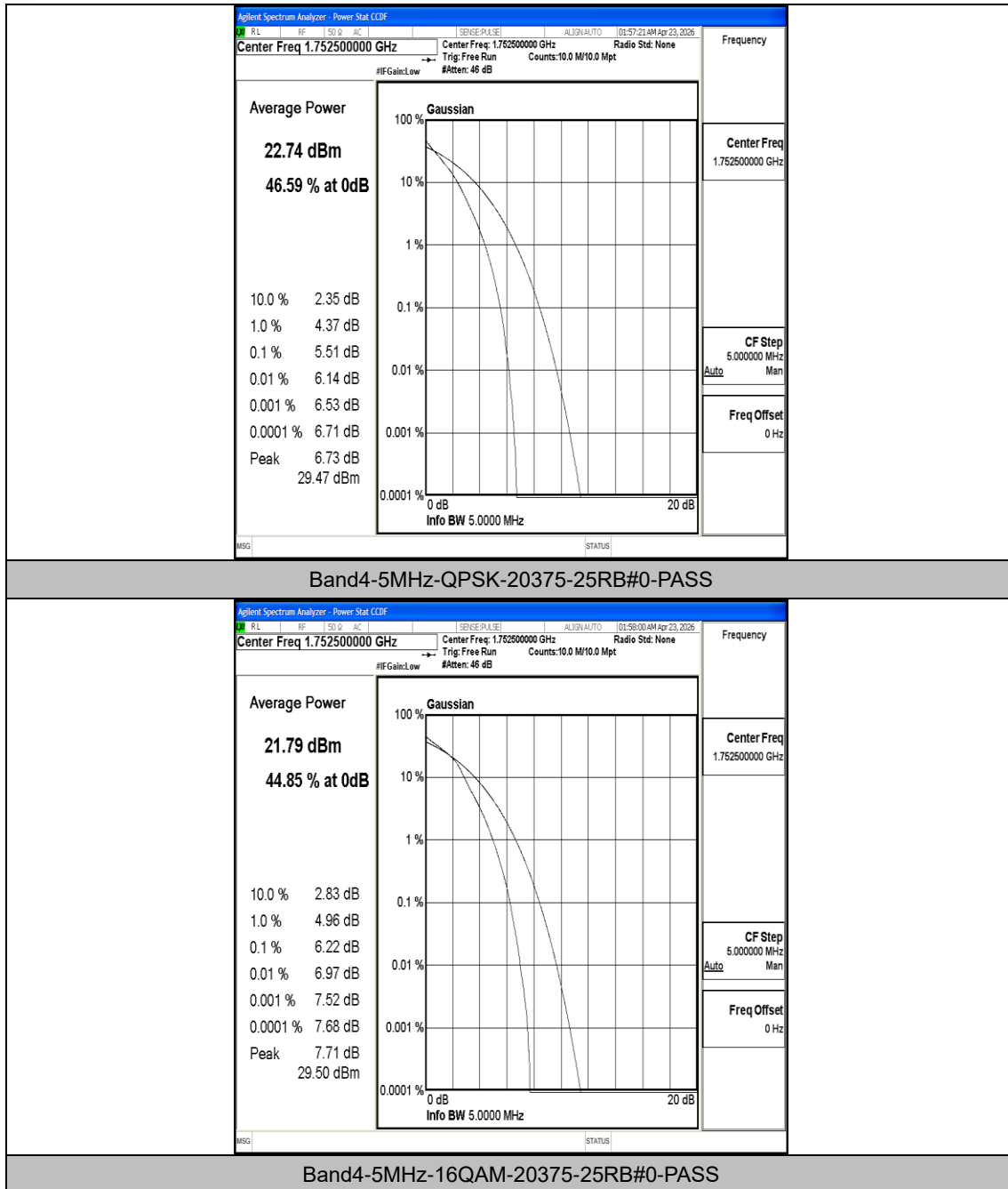


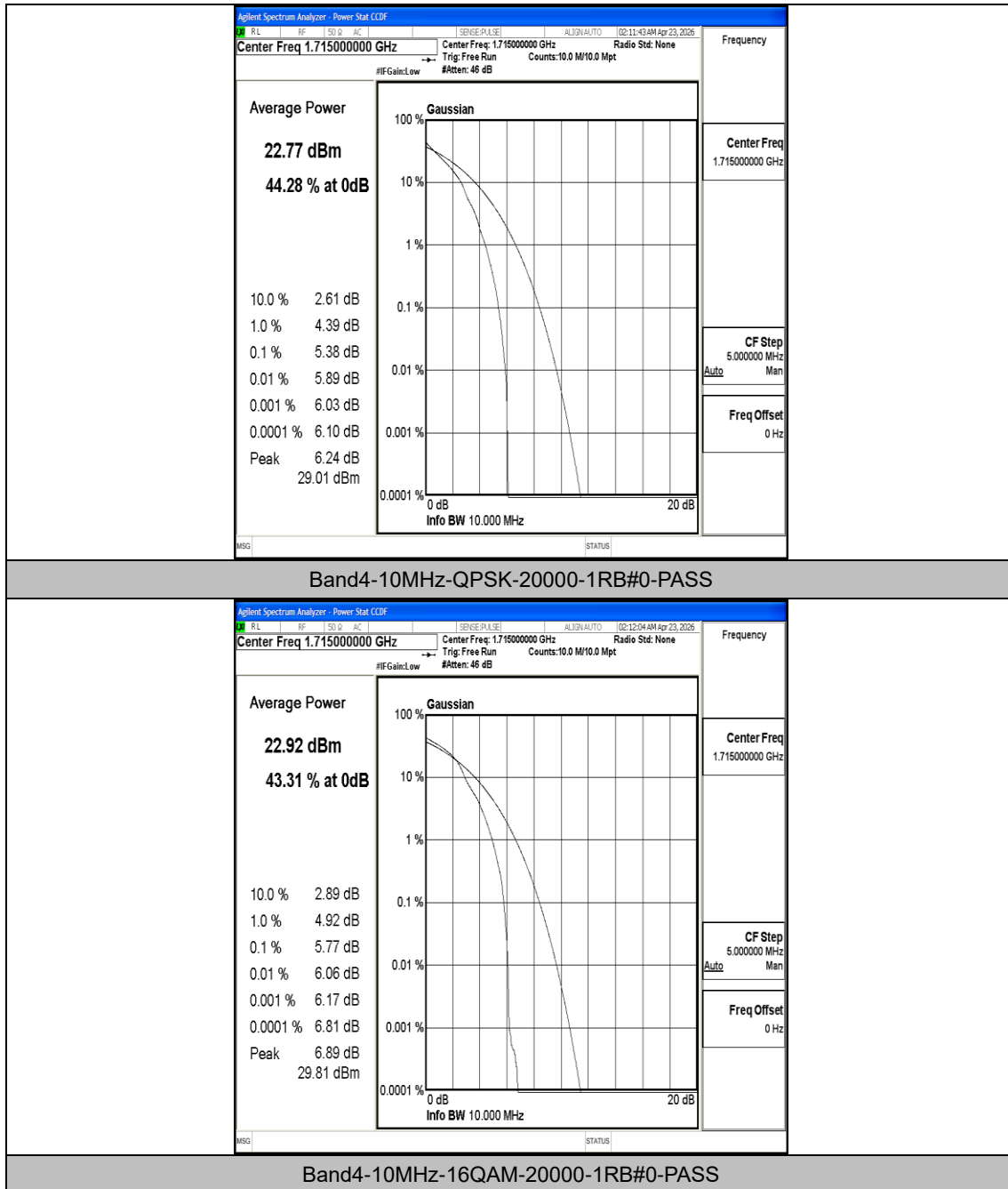


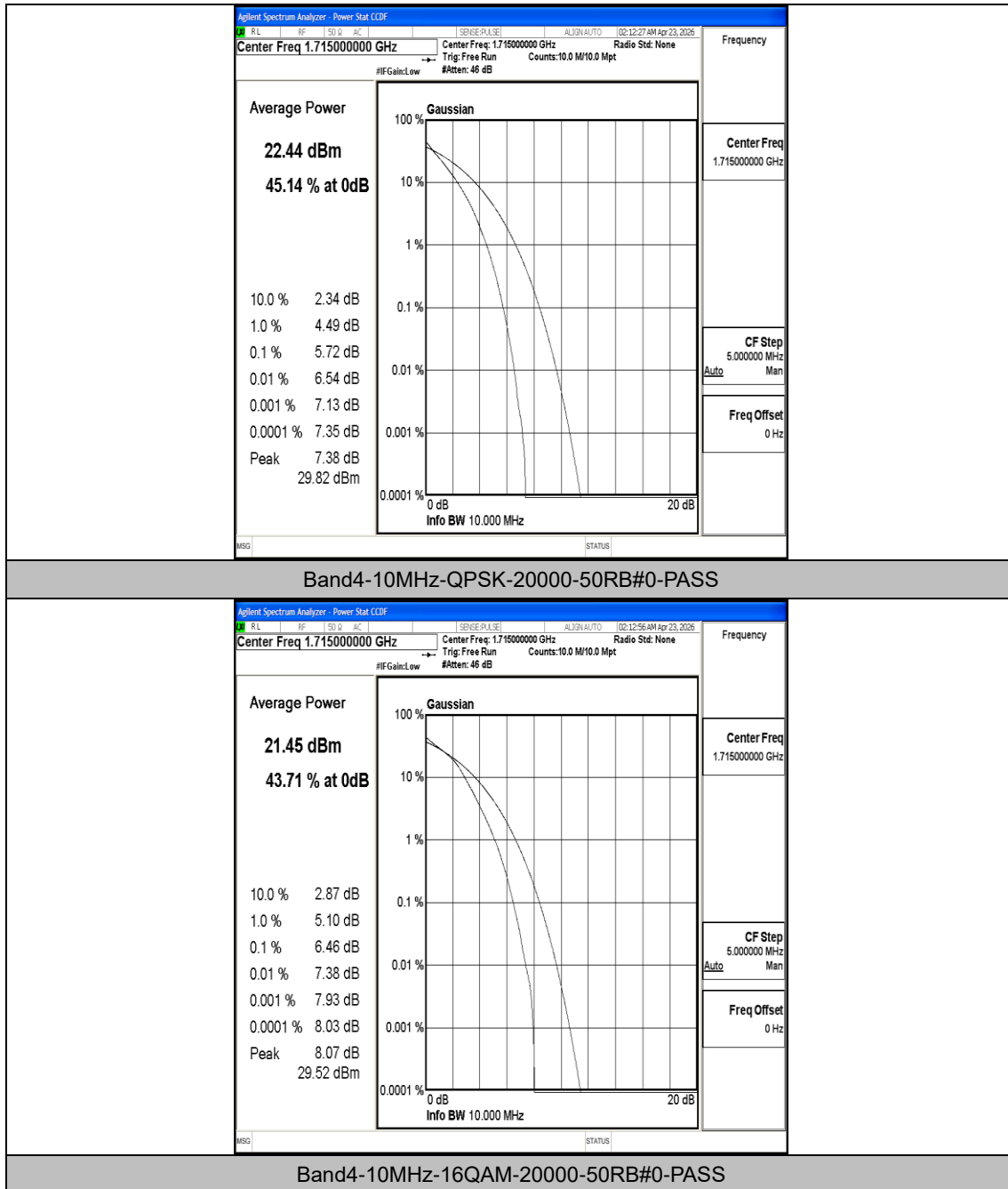


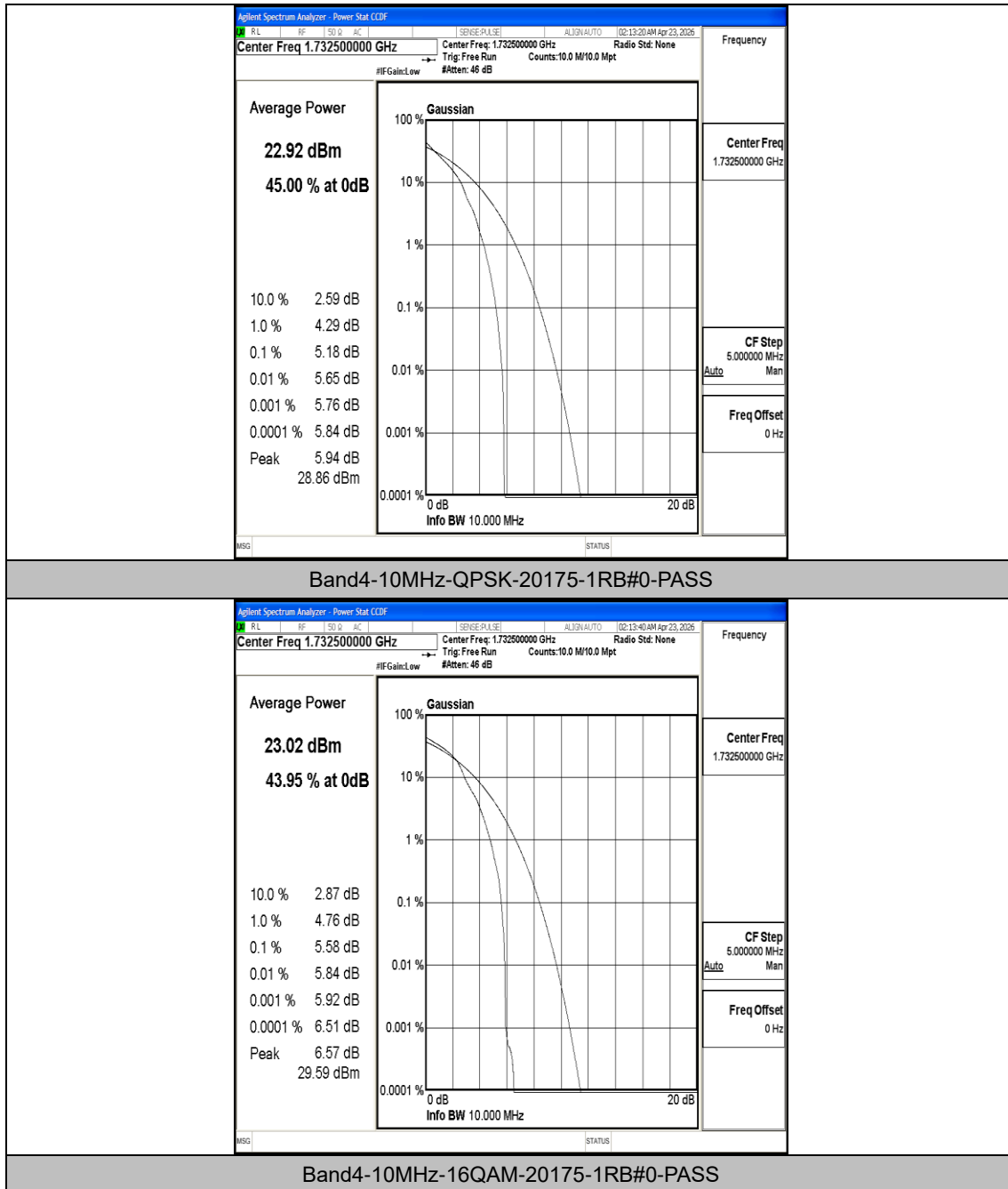


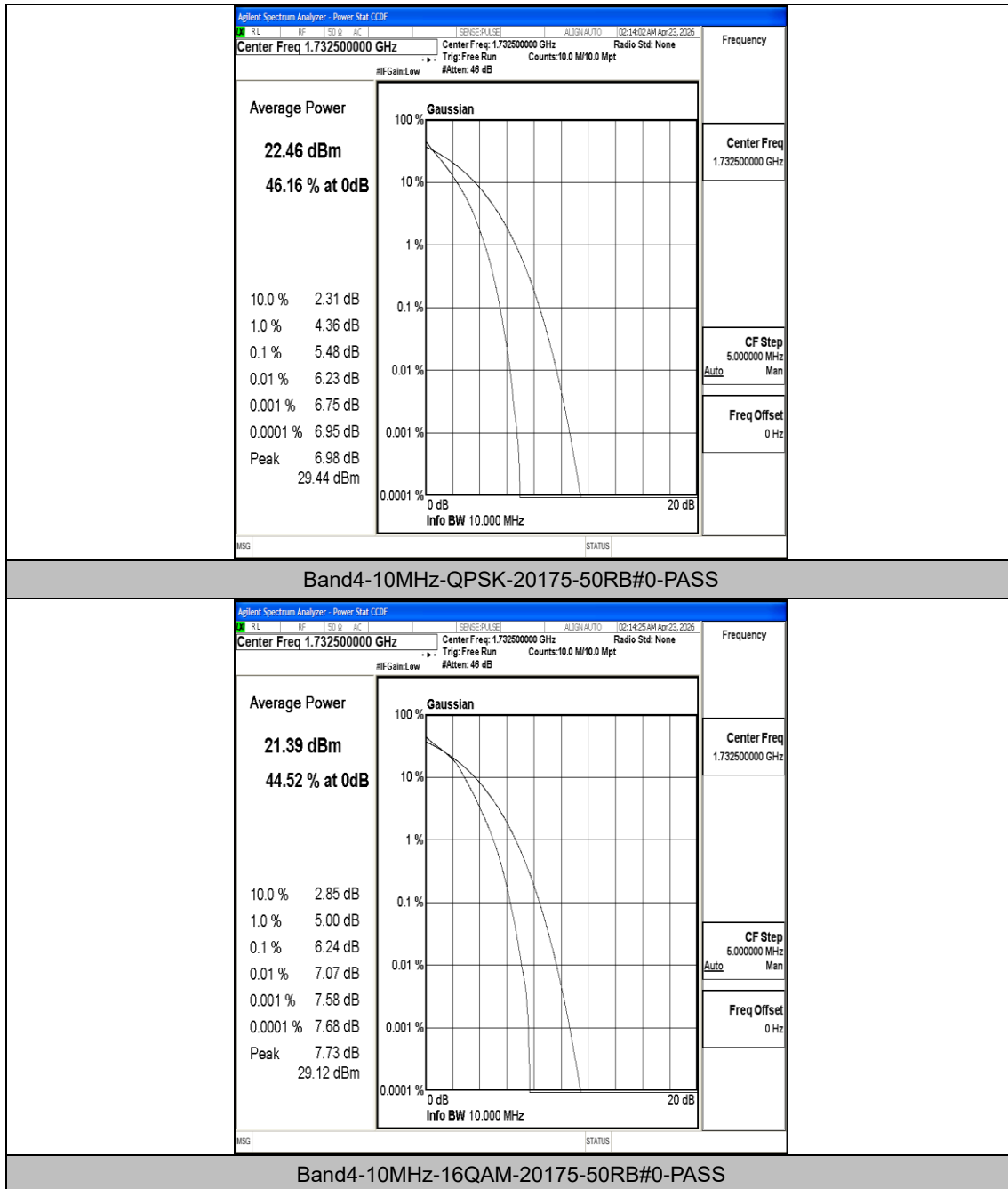


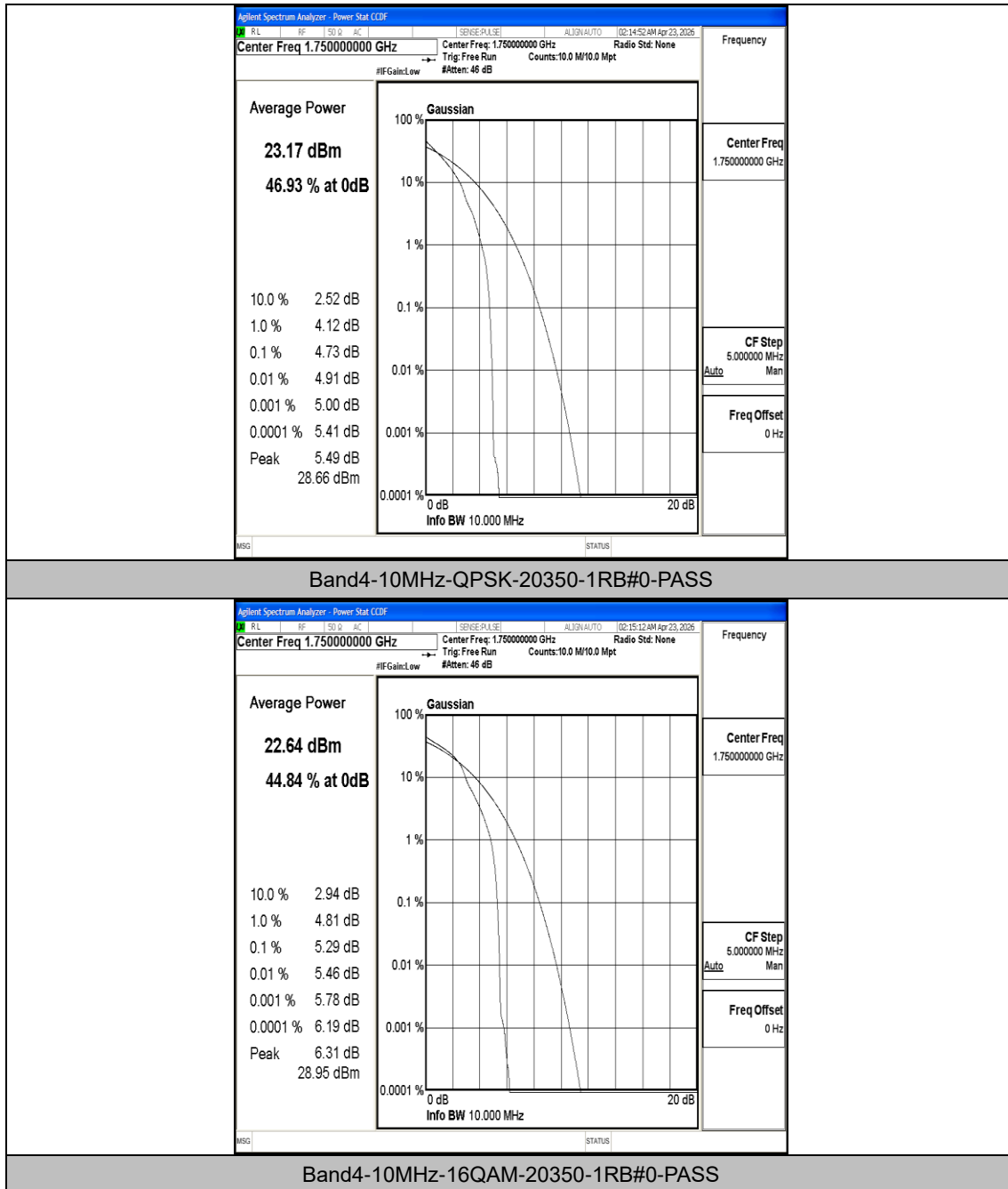


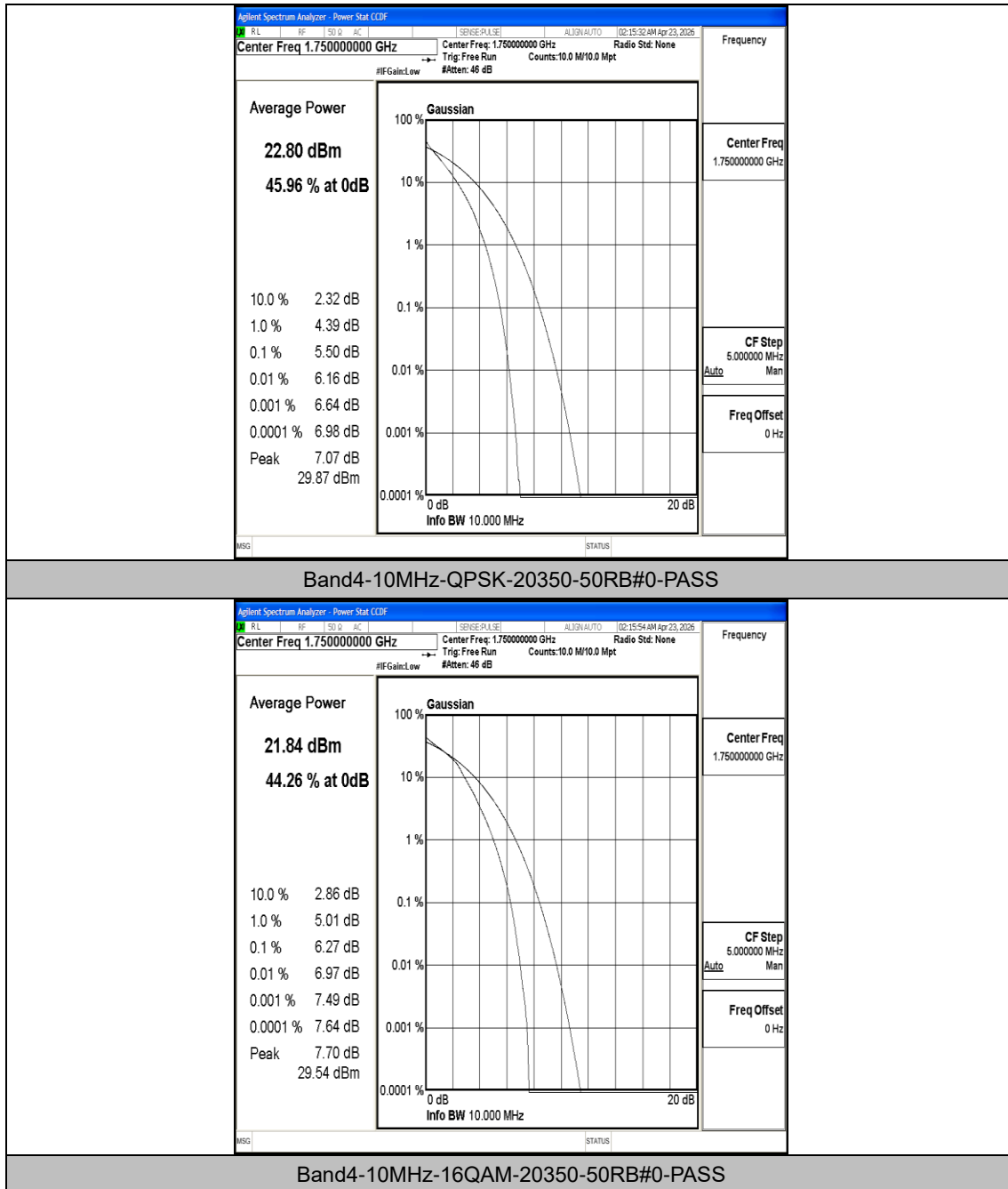


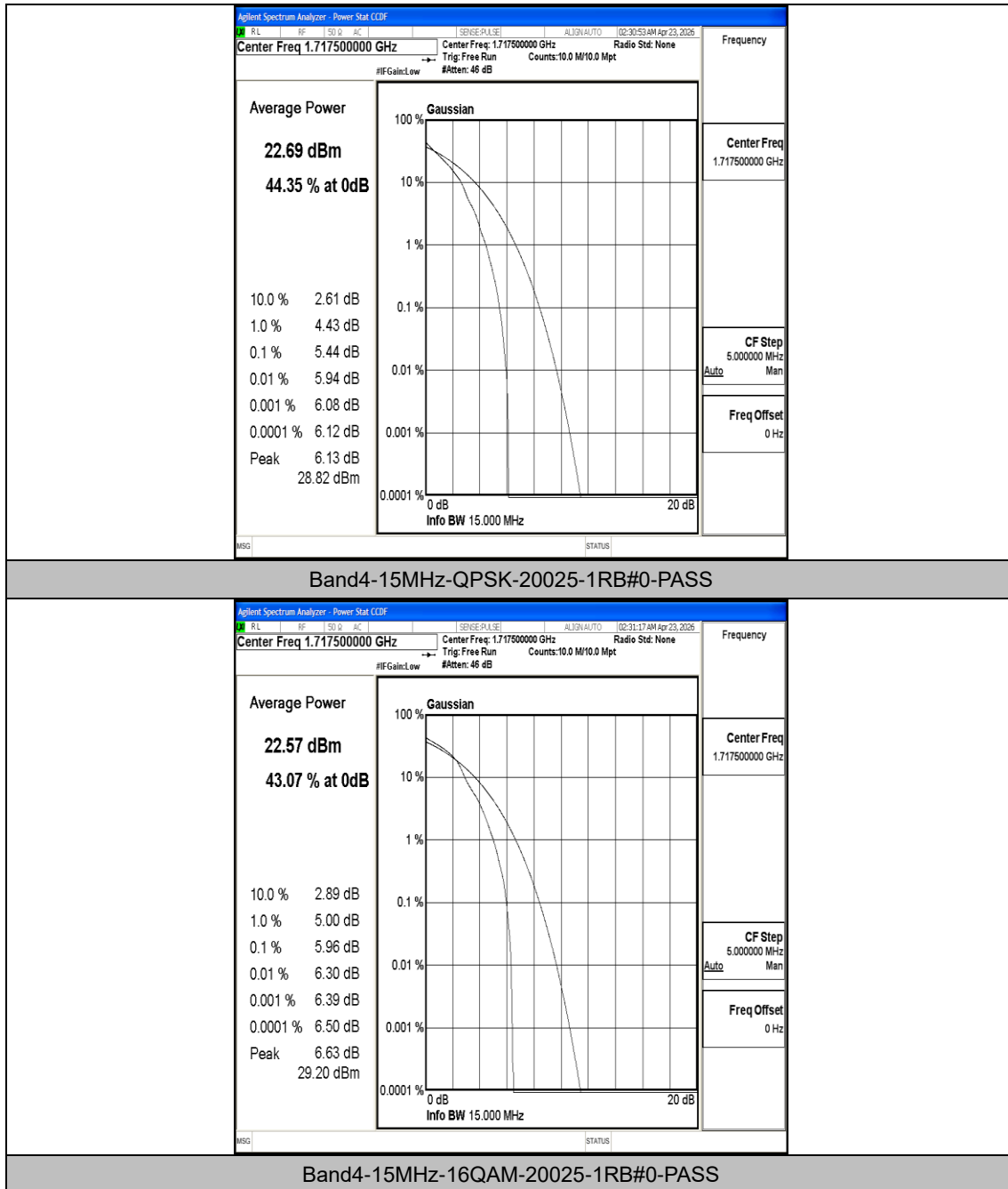


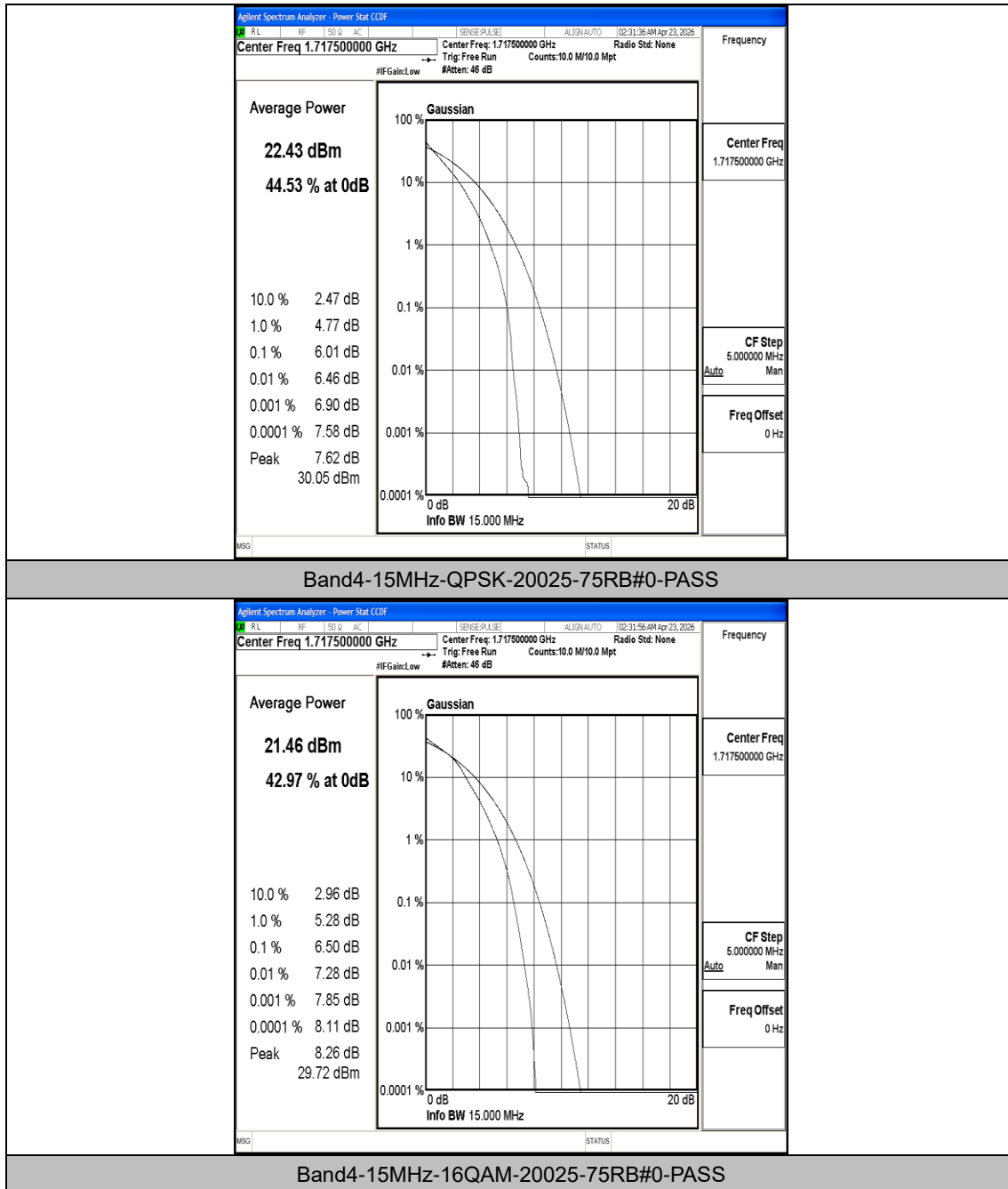


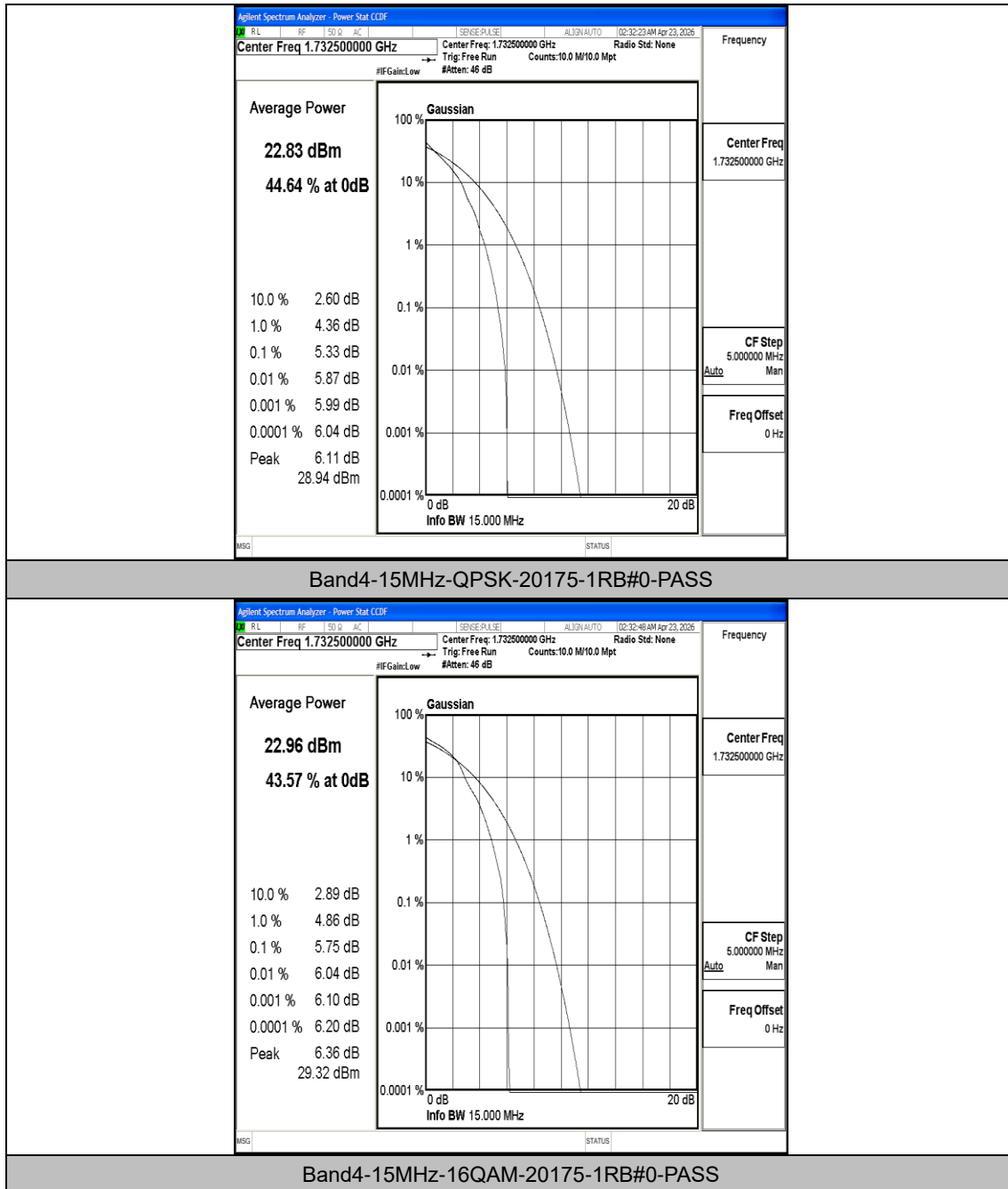


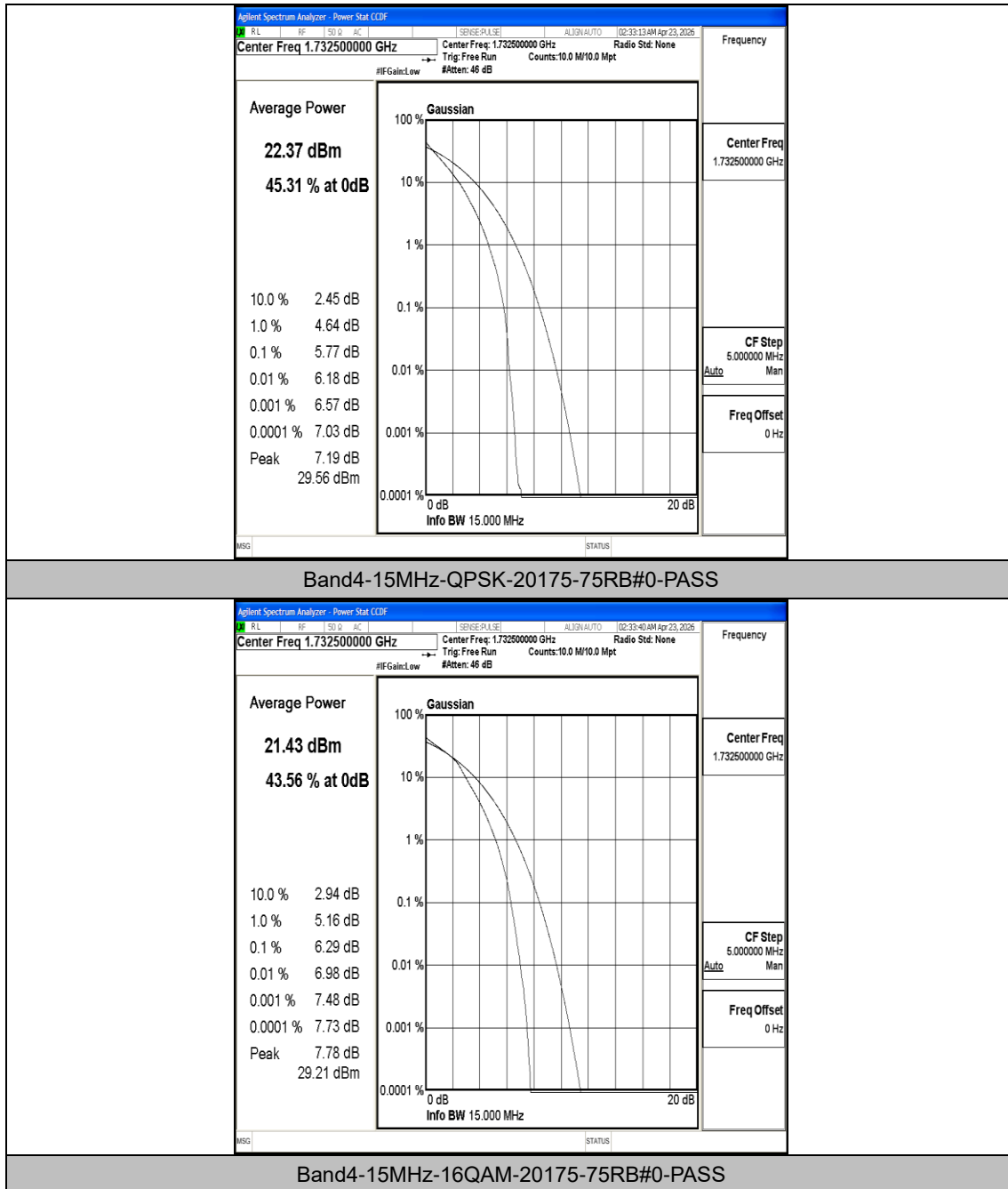


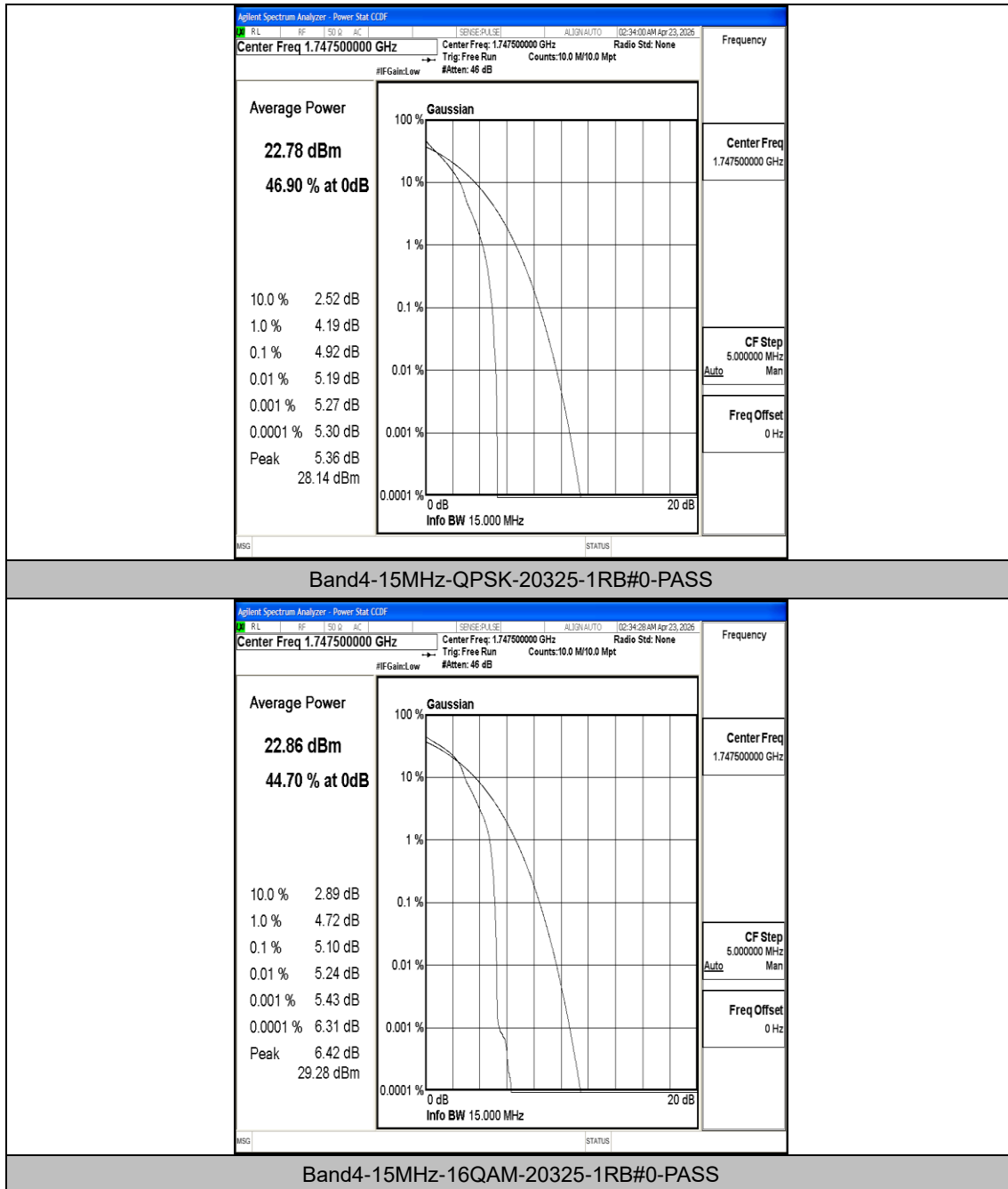


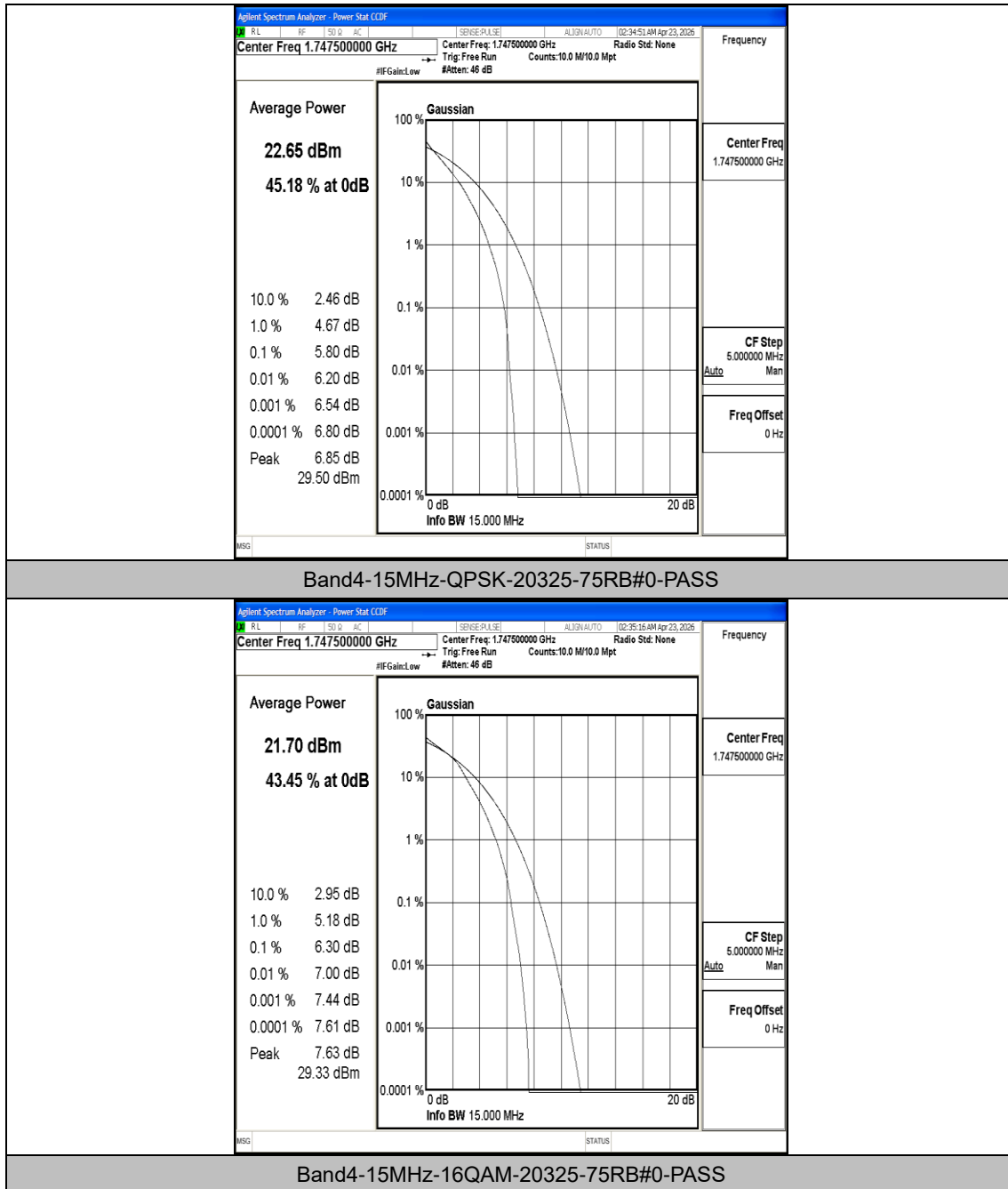


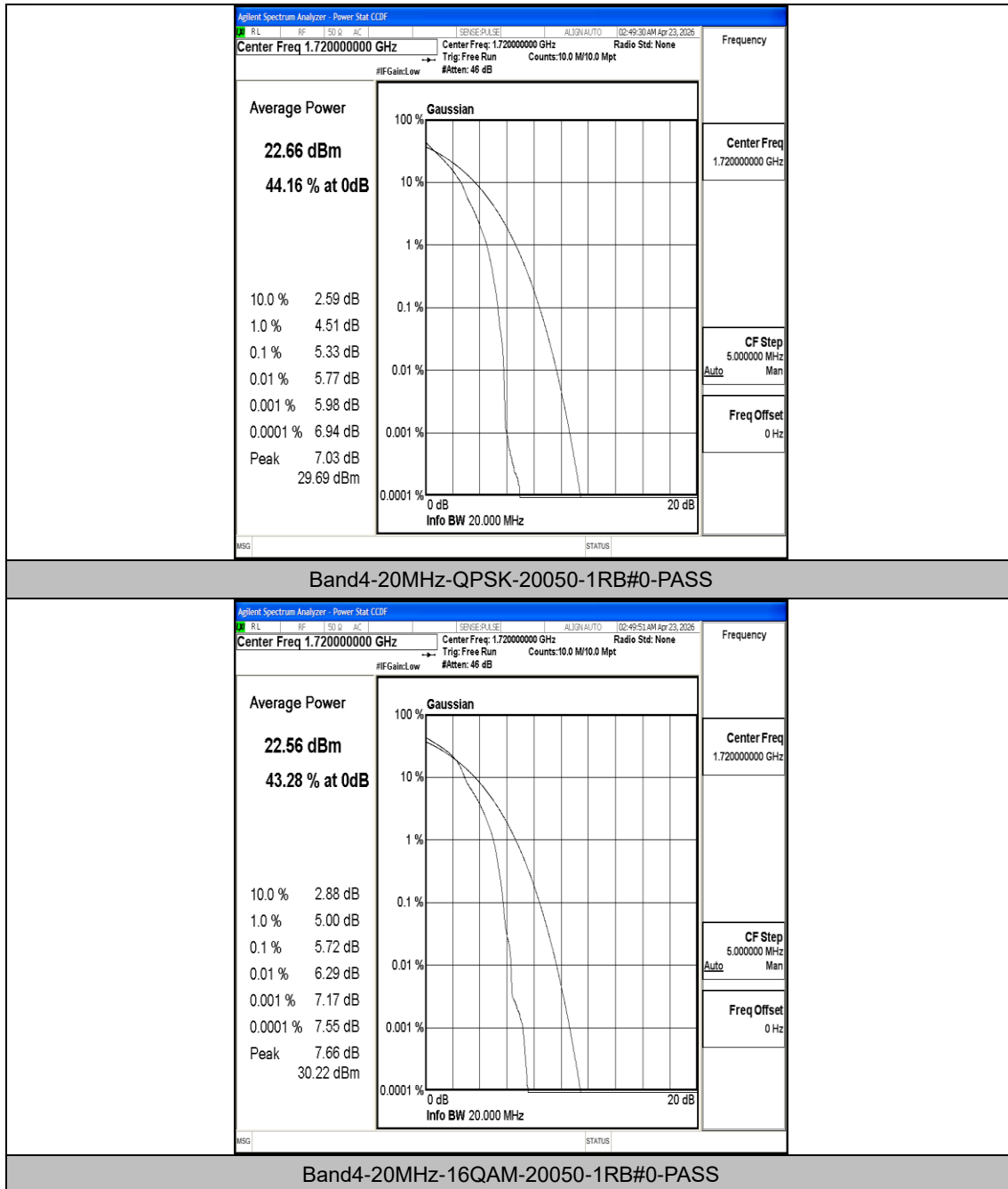


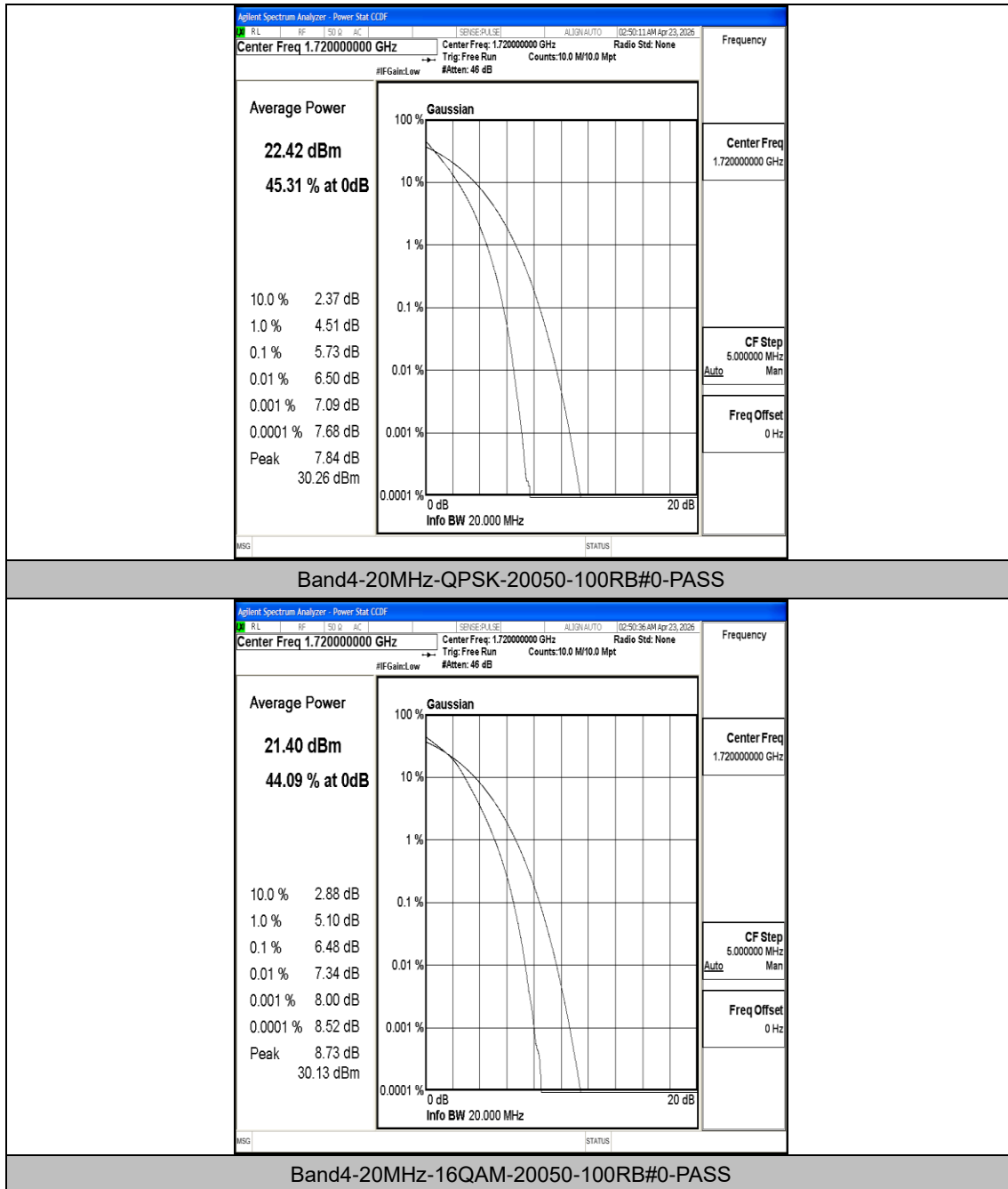


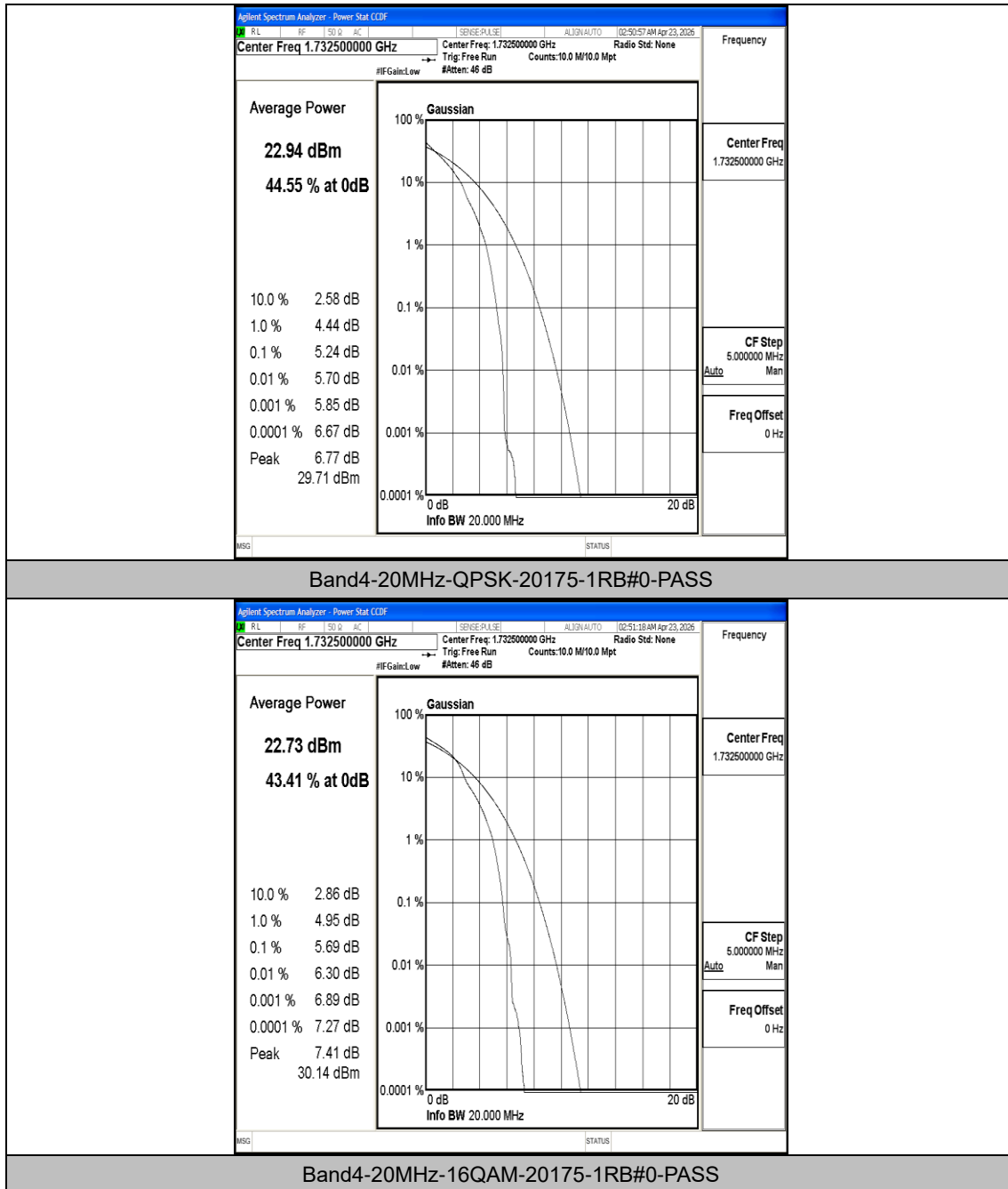


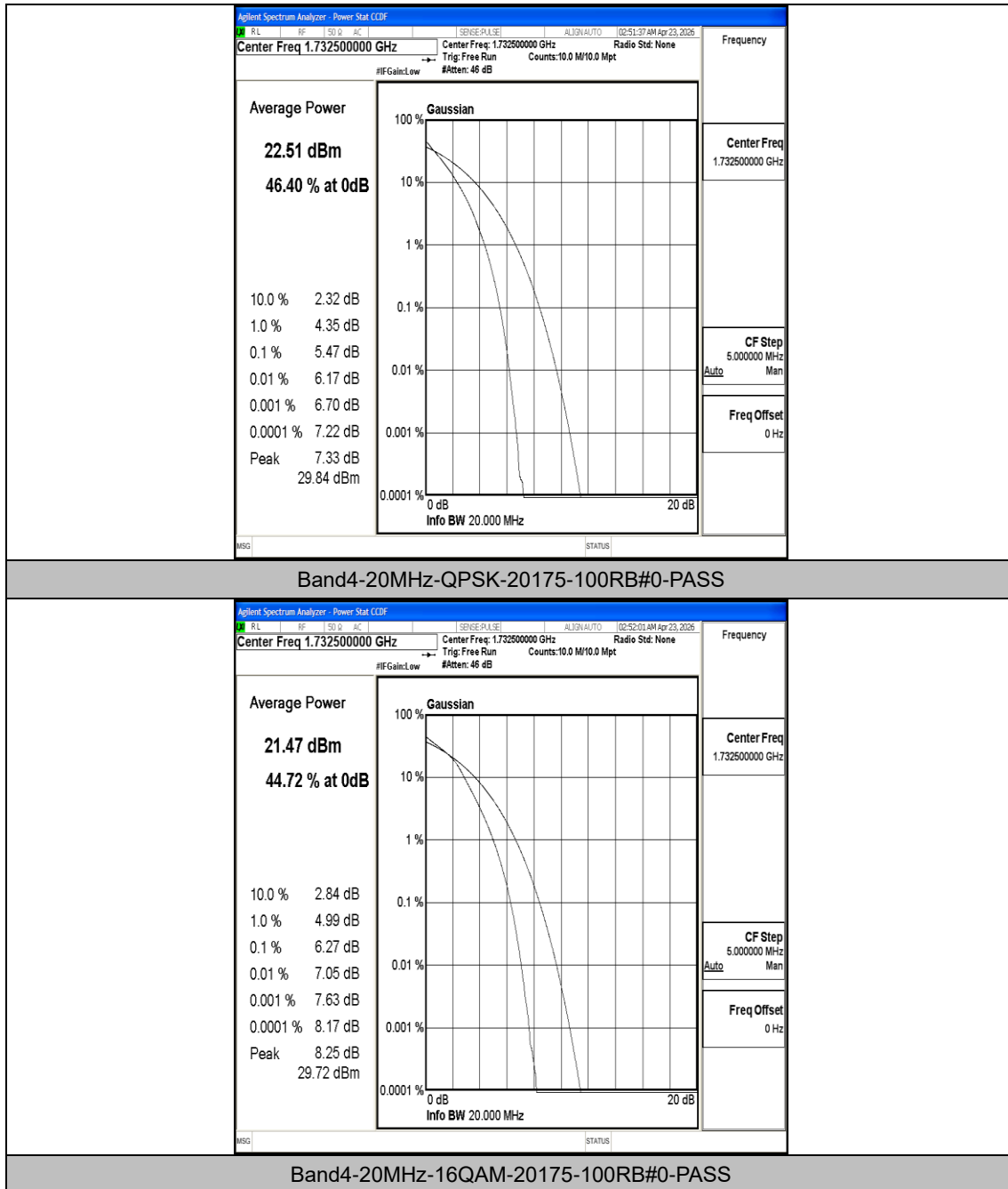


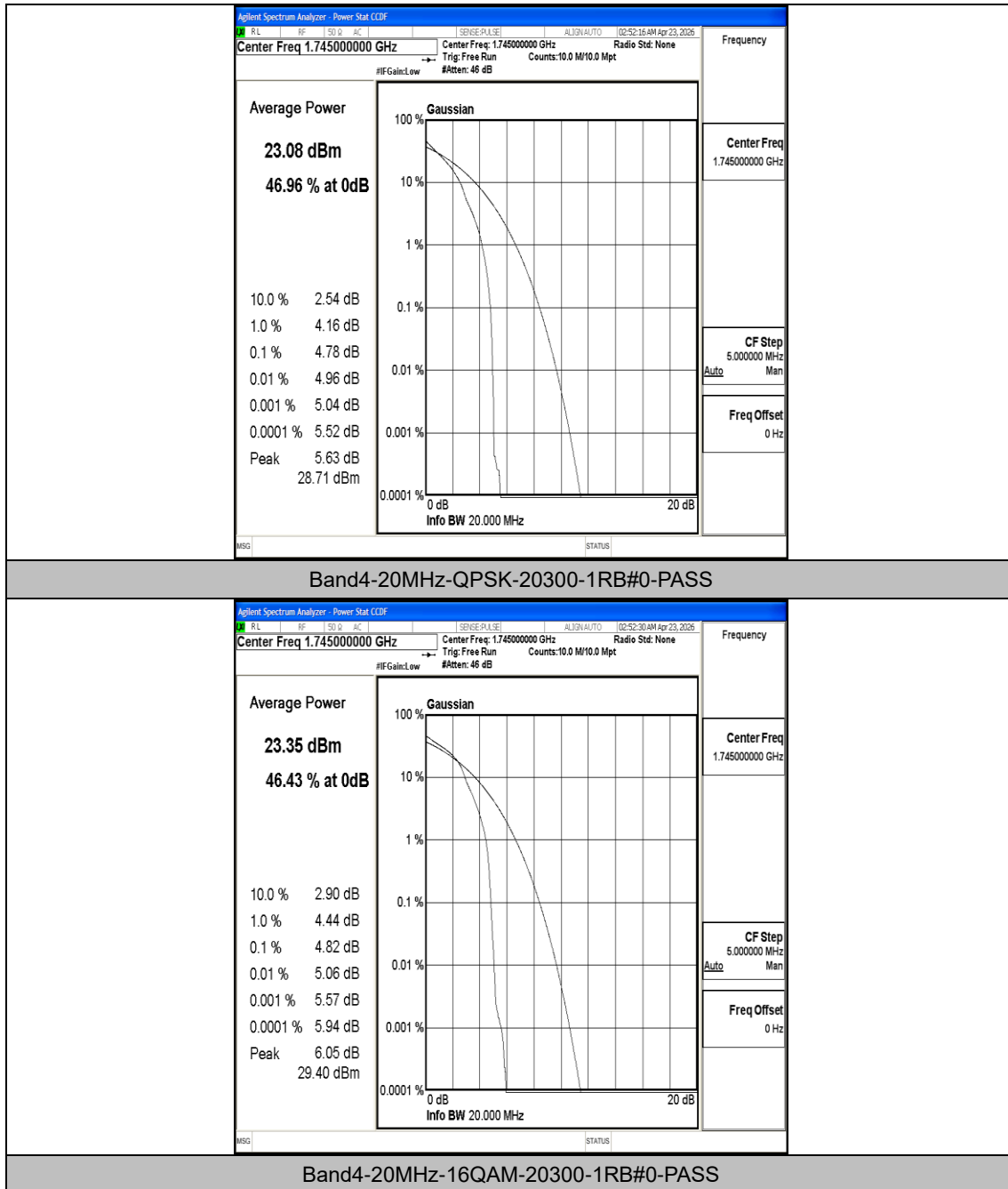


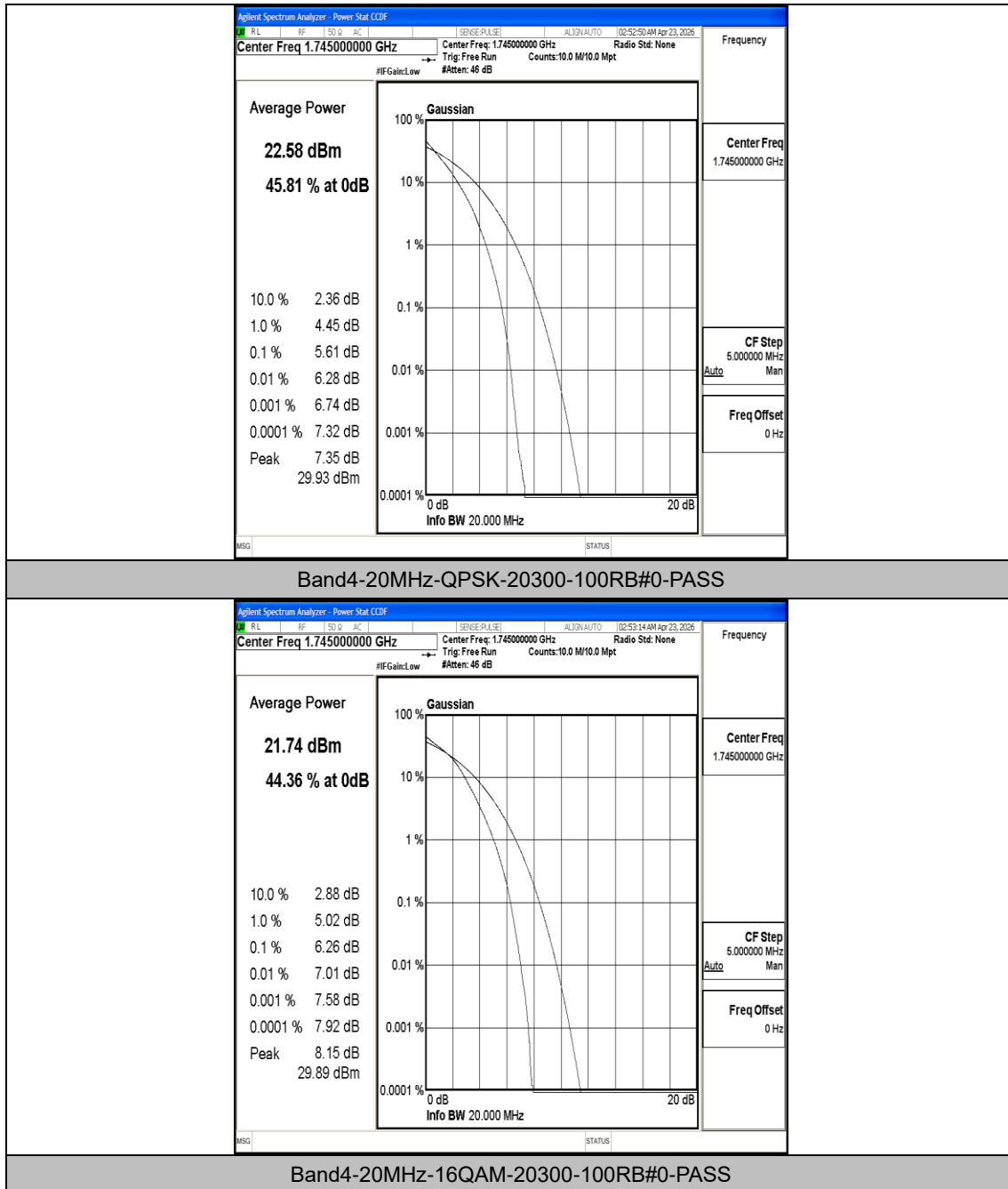










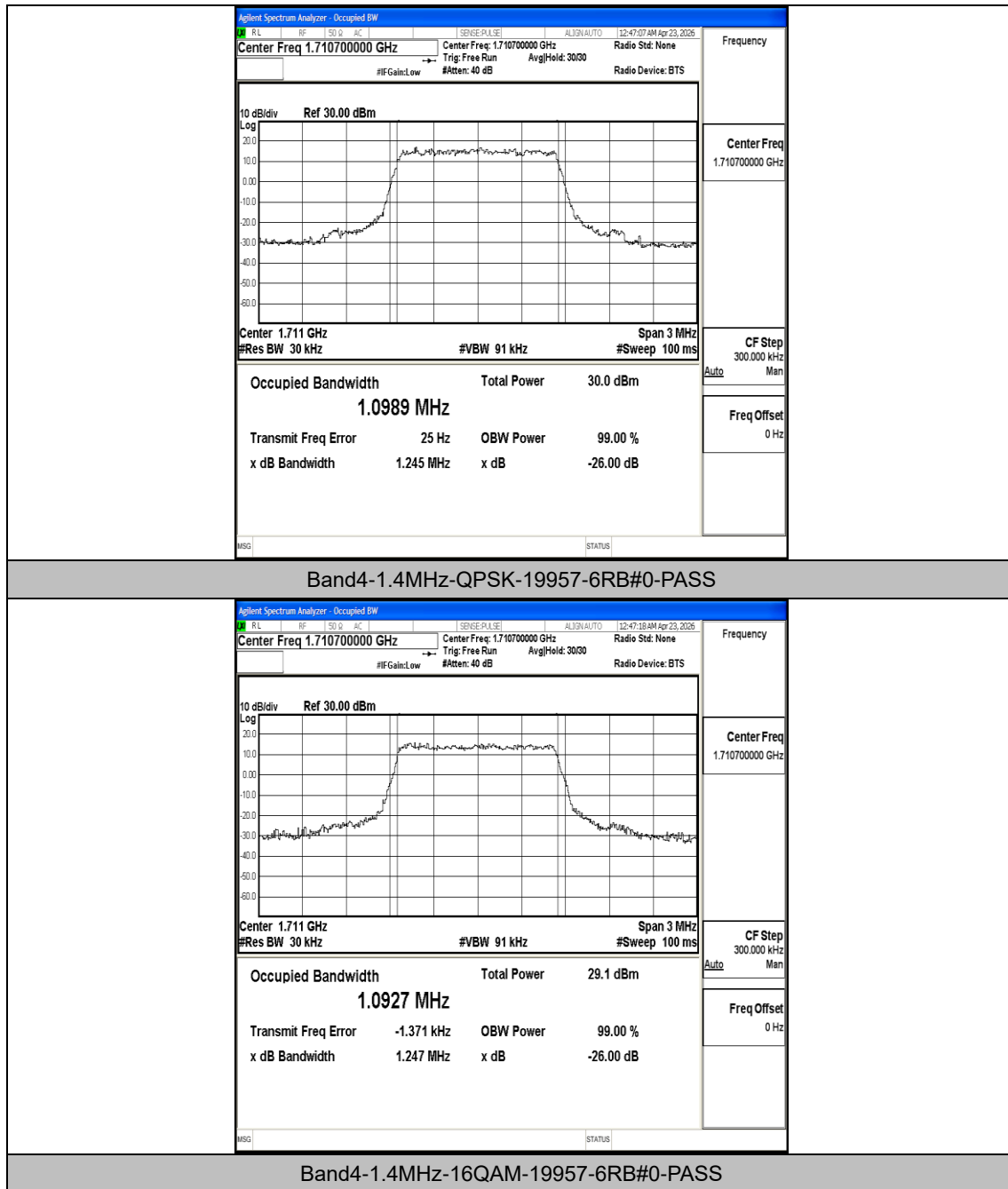


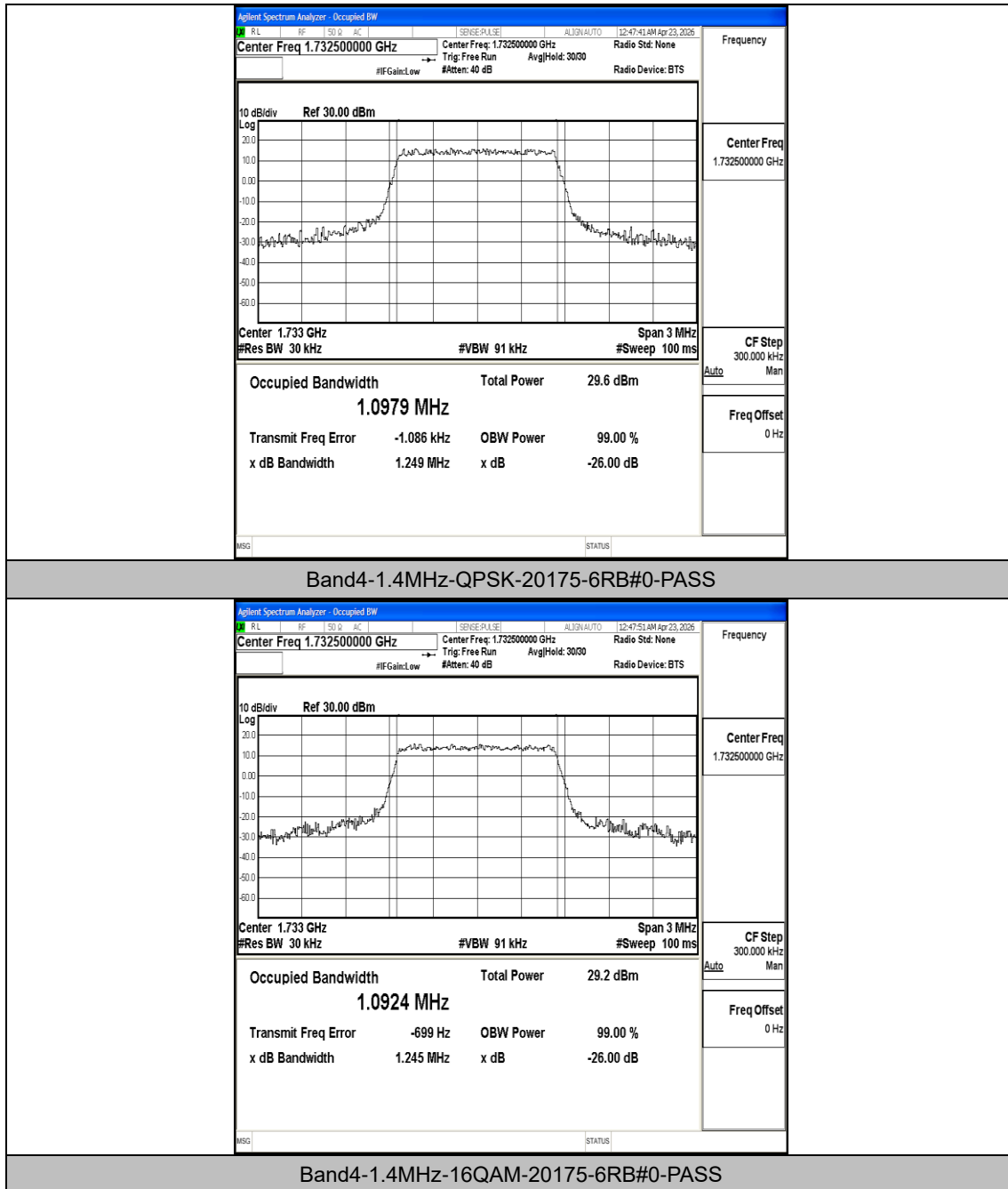
2 26dB Bandwidth and Occupied Bandwidth

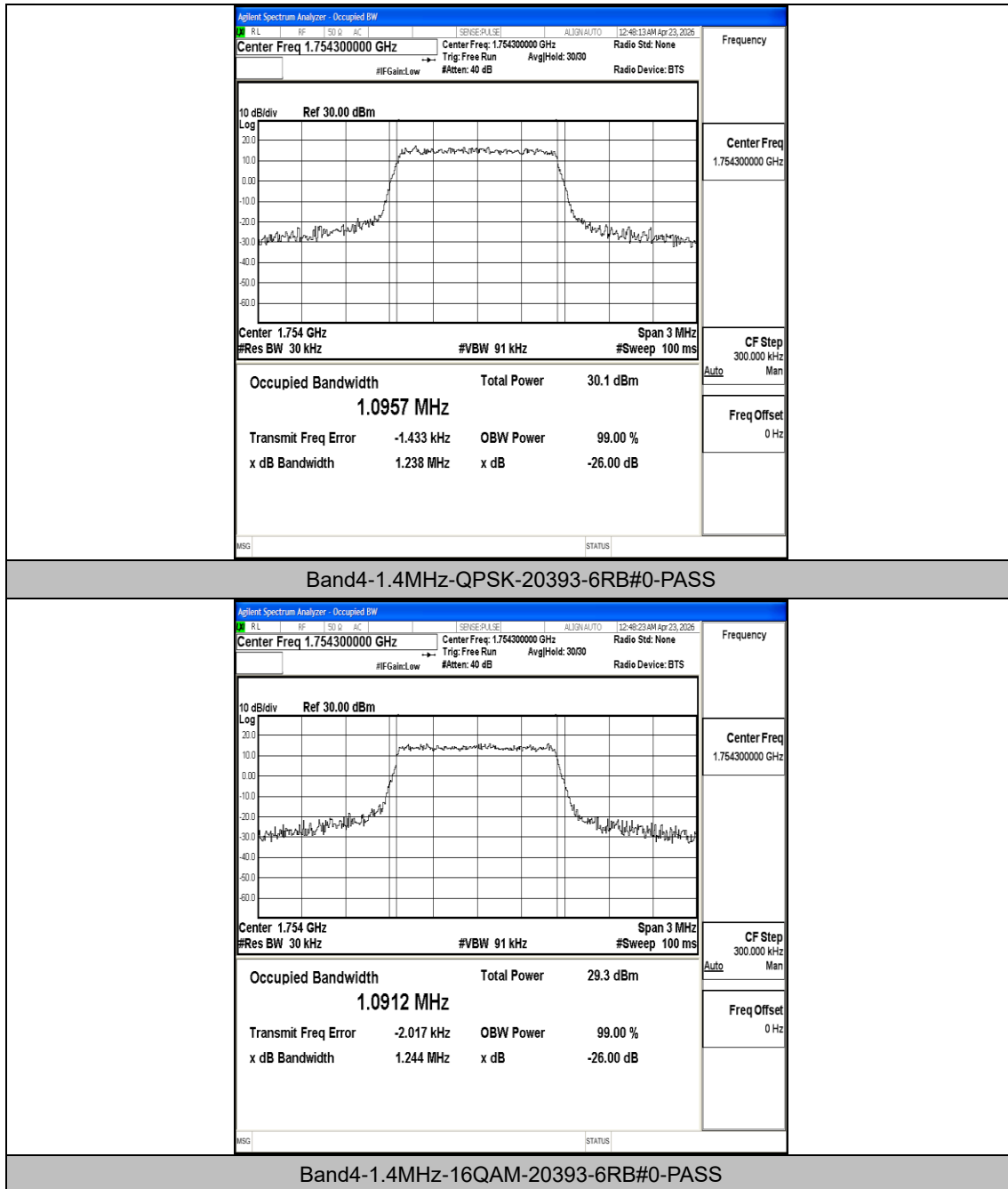
Test Result

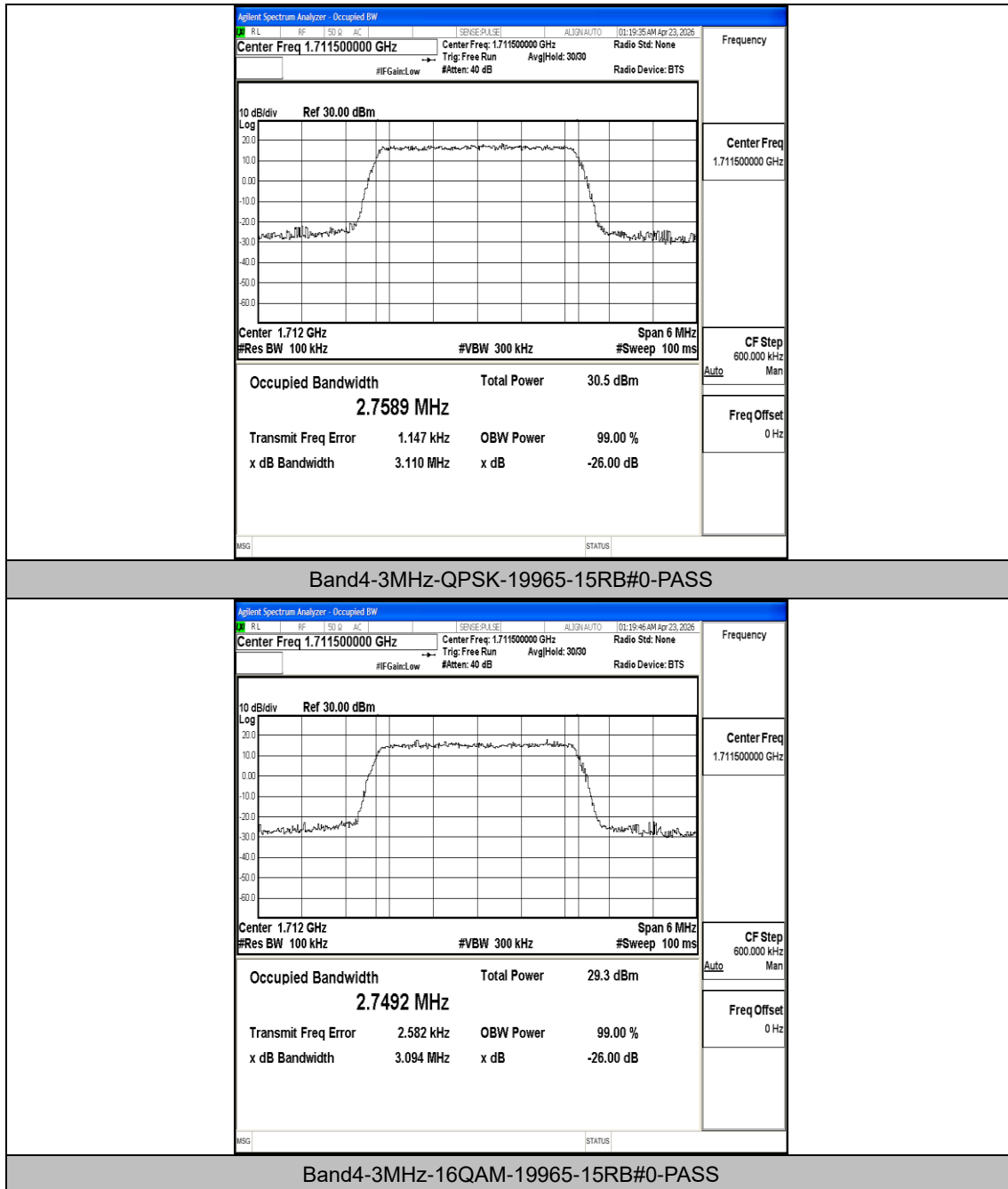
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0989	1.245	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0927	1.247	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0979	1.249	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0924	1.245	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0957	1.238	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0912	1.244	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7589	3.110	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7492	3.094	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7616	3.097	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7359	3.088	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7500	3.095	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7476	3.086	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5098	4.974	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5033	4.970	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5101	4.978	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5121	4.977	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5086	4.982	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4988	4.968	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9905	9.839	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0083	9.921	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9964	9.888	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0124	9.943	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0088	9.910	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0069	9.853	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.503	14.89	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.488	14.91	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.474	14.94	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.482	14.91	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.535	15.03	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.508	14.88	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.006	19.68	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.029	19.62	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.938	19.77	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.984	19.63	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.042	19.79	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.989	19.65	PASS

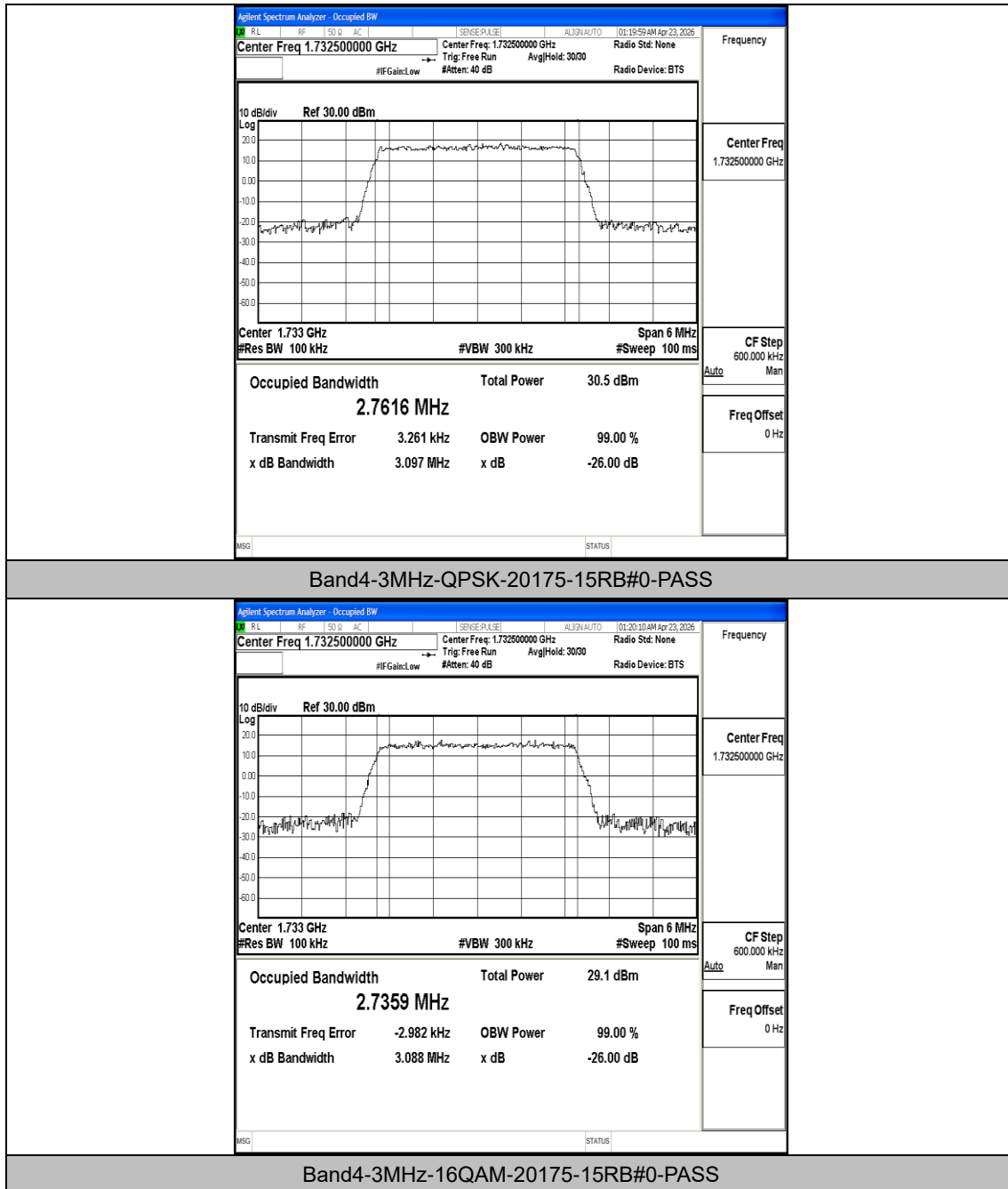
Test Graphs

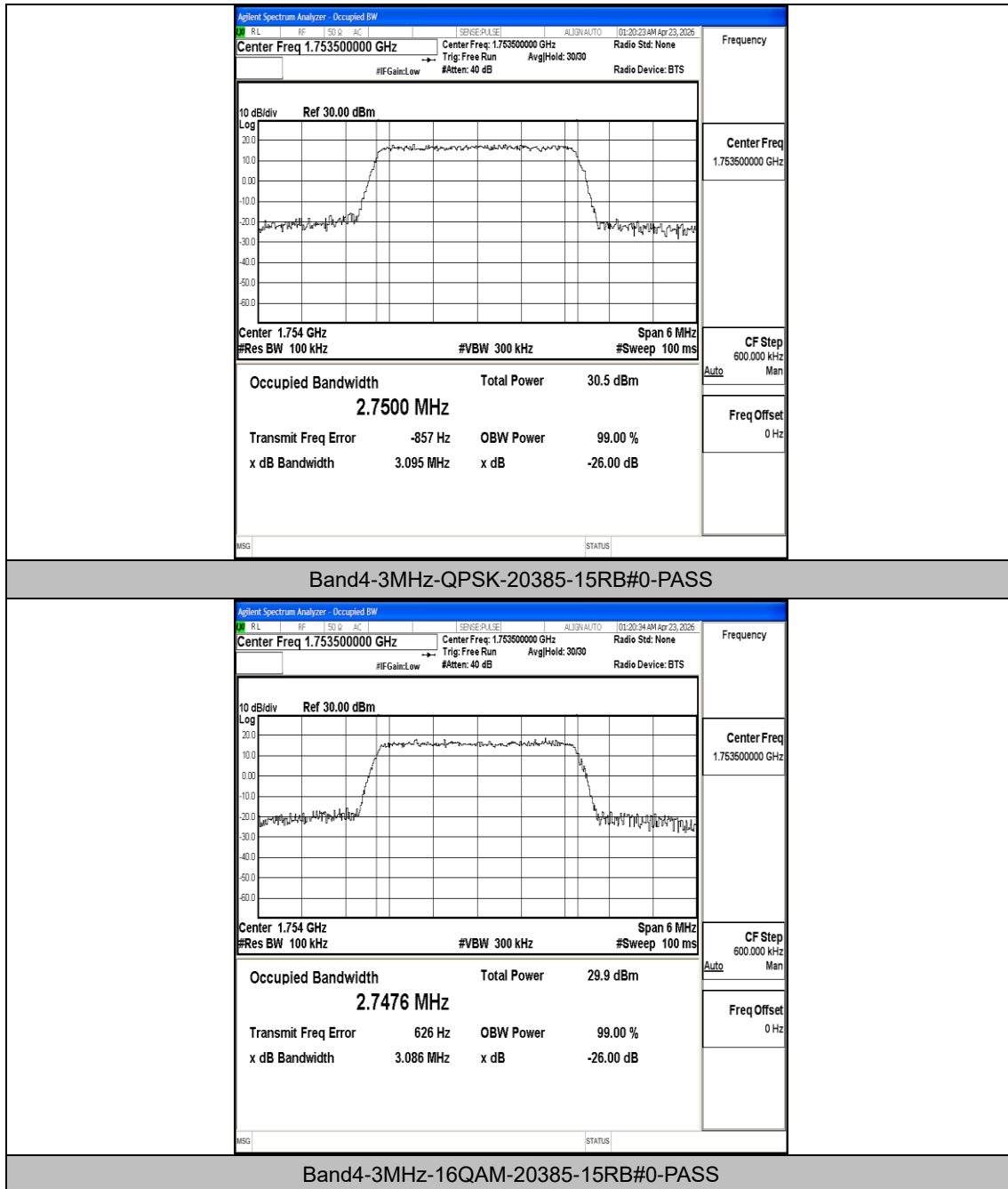


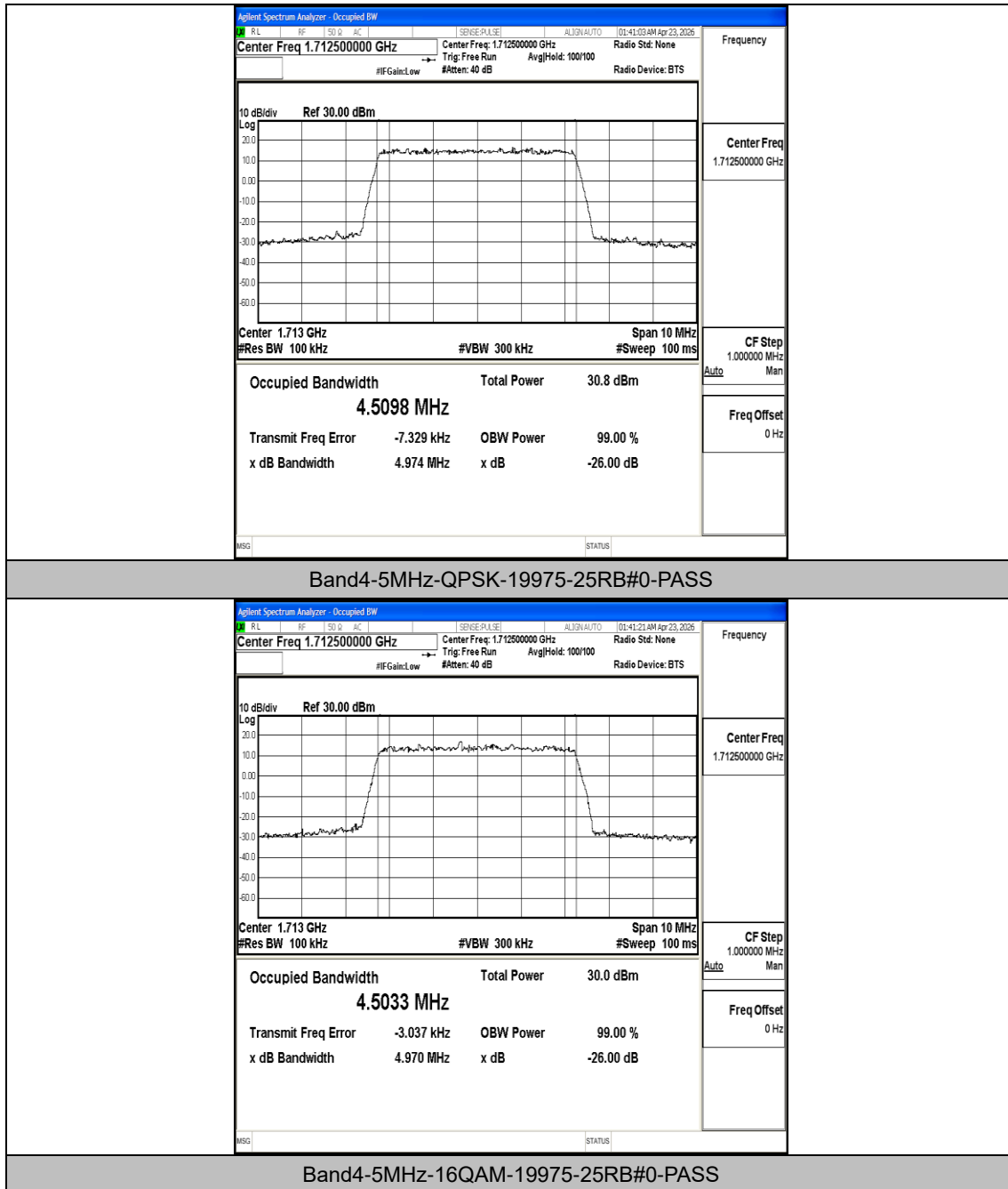


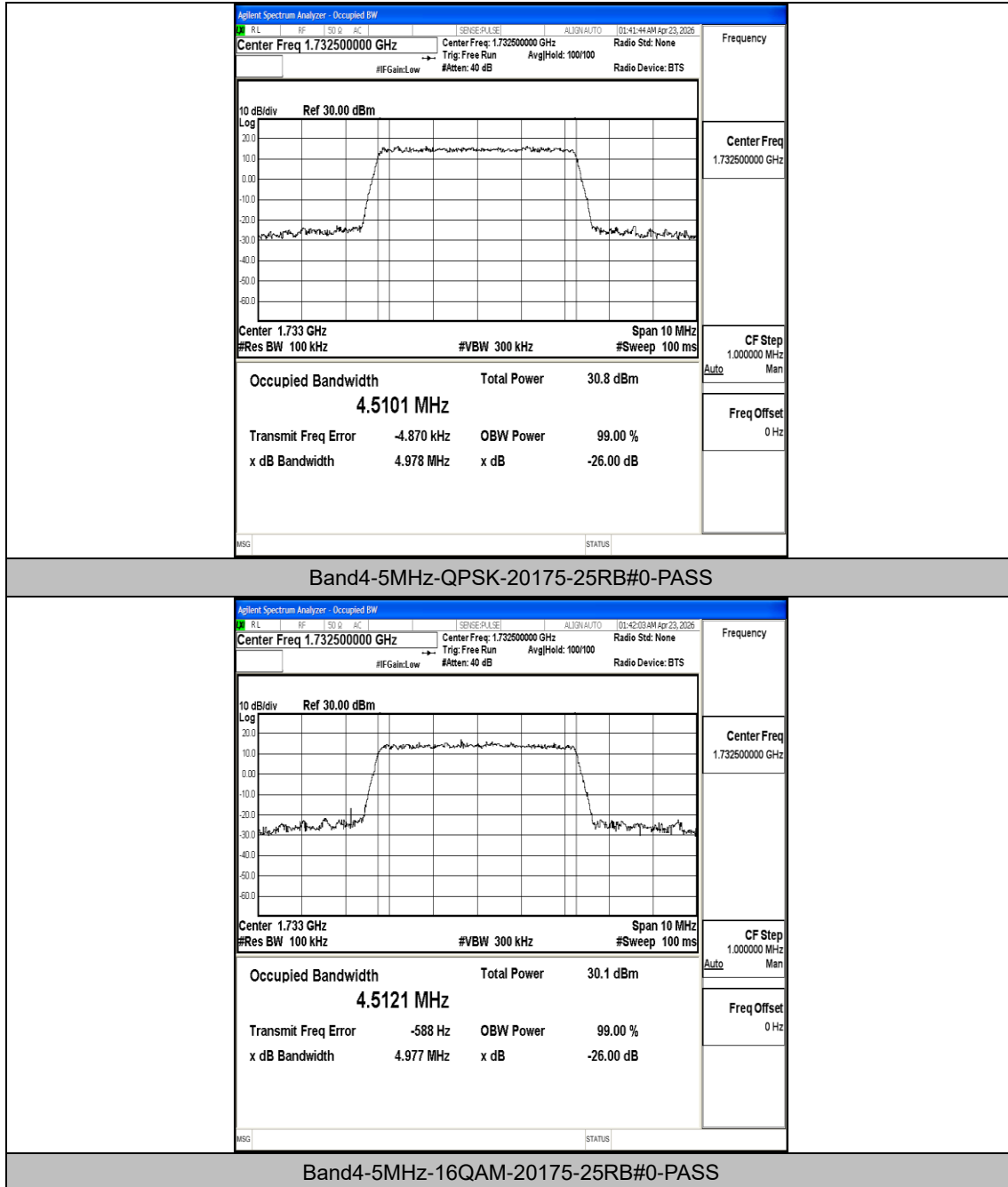


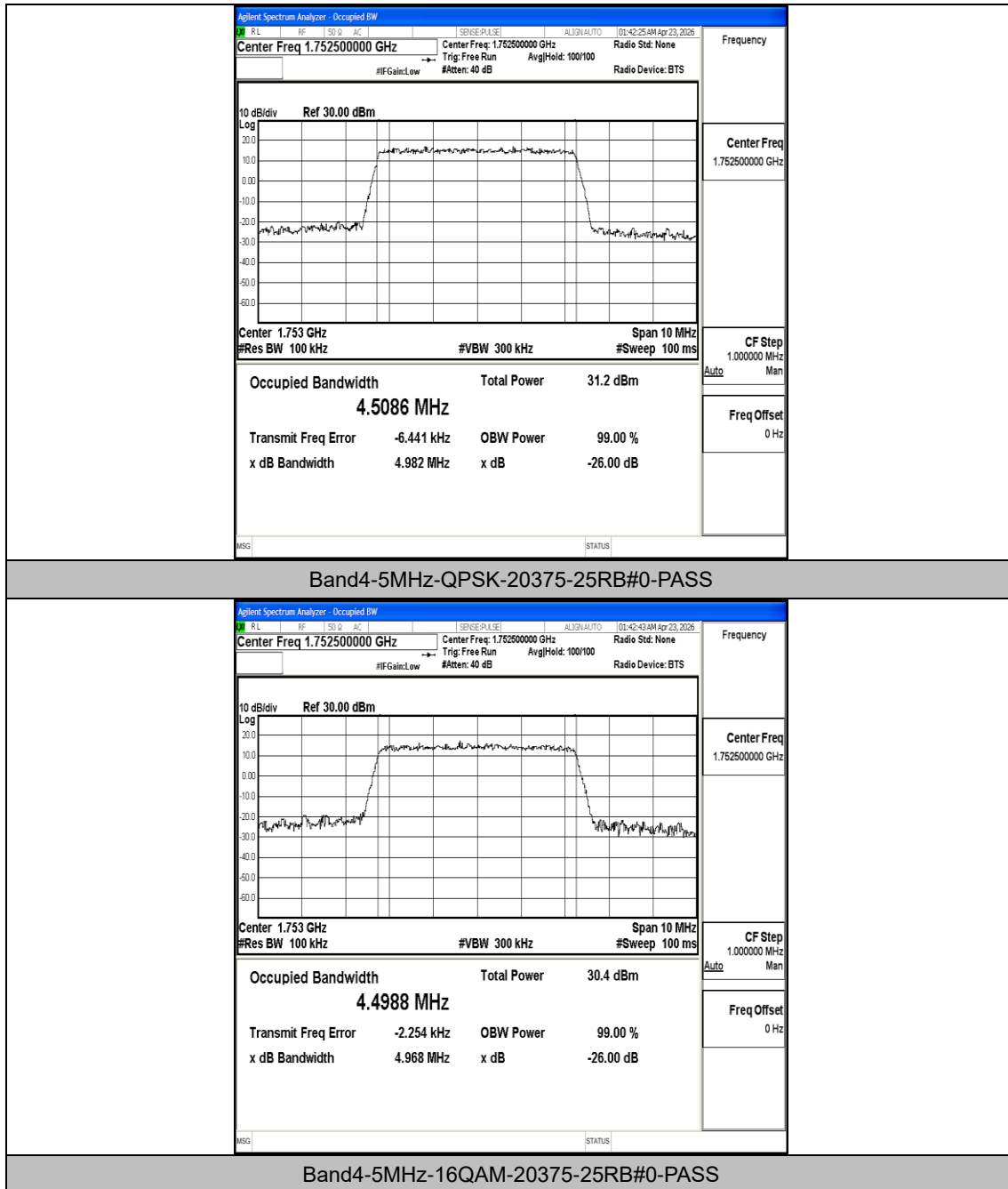


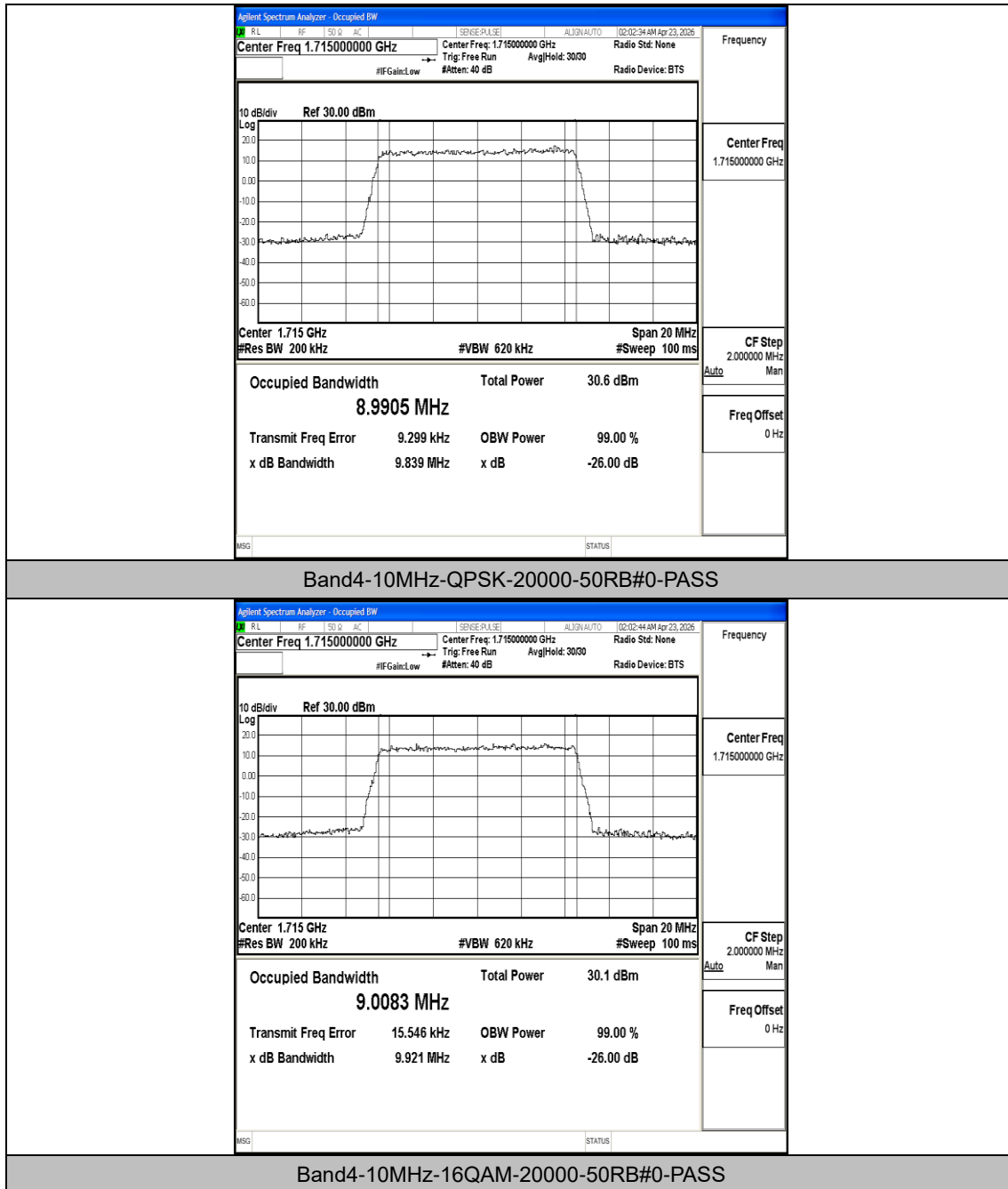


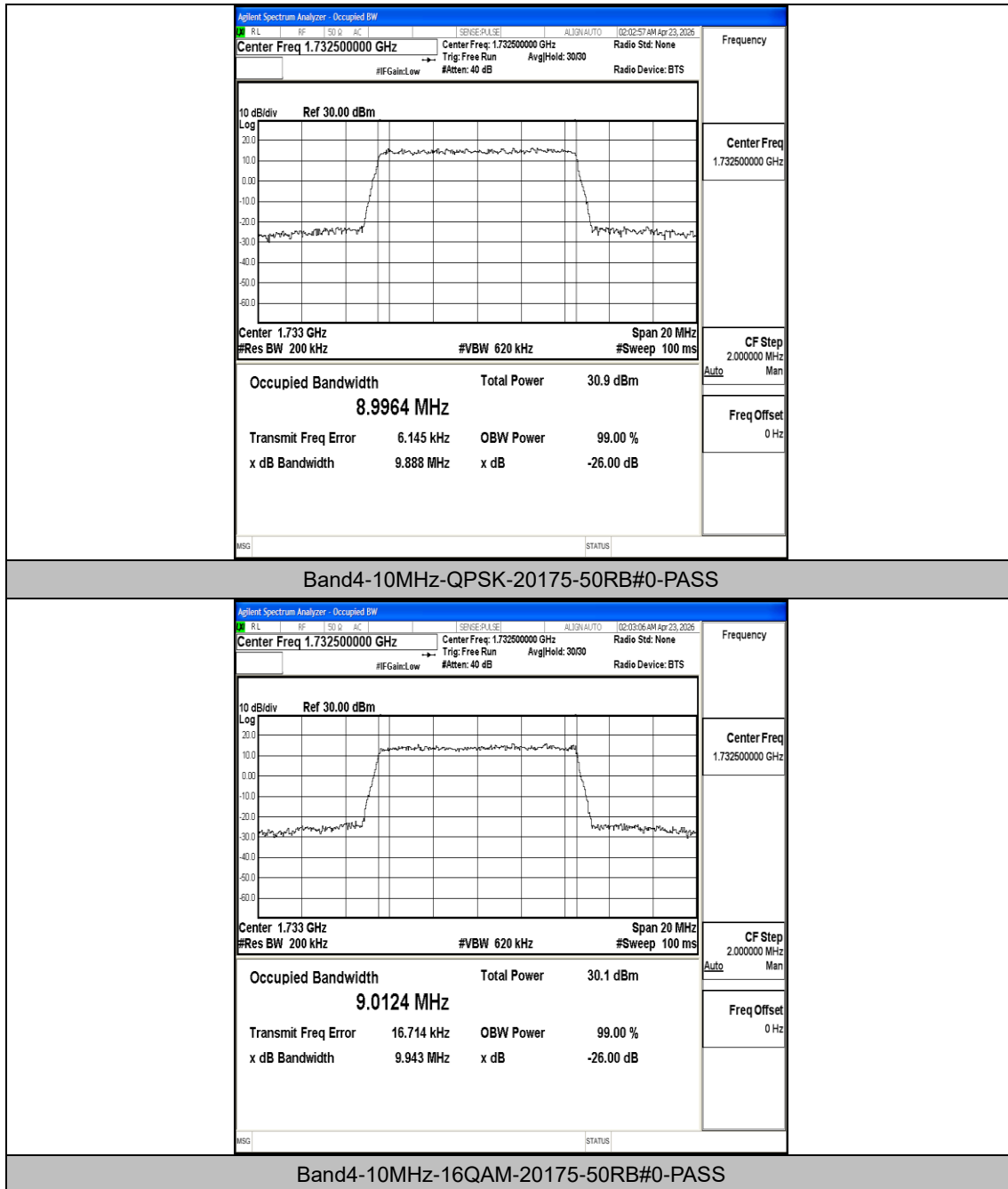


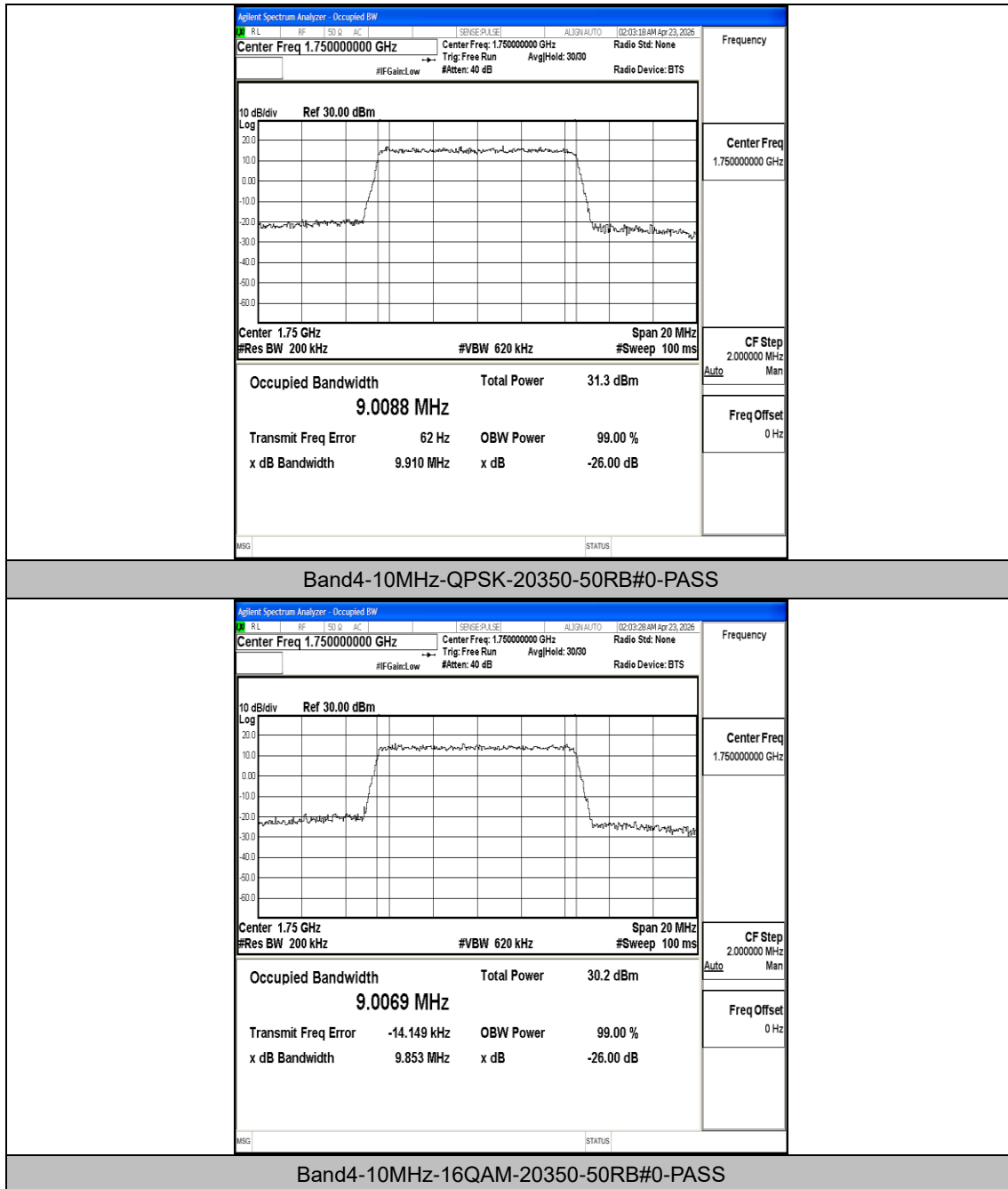


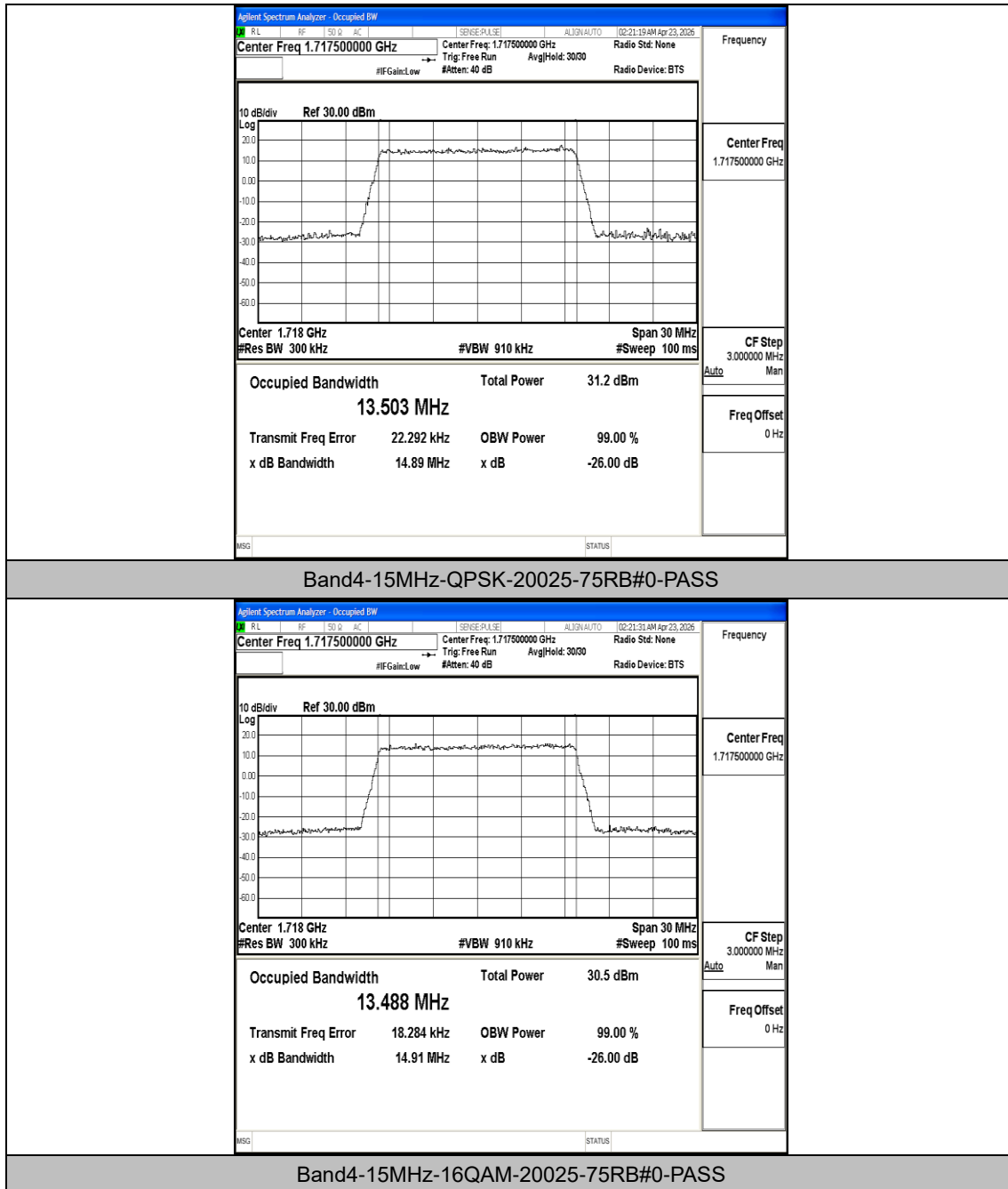


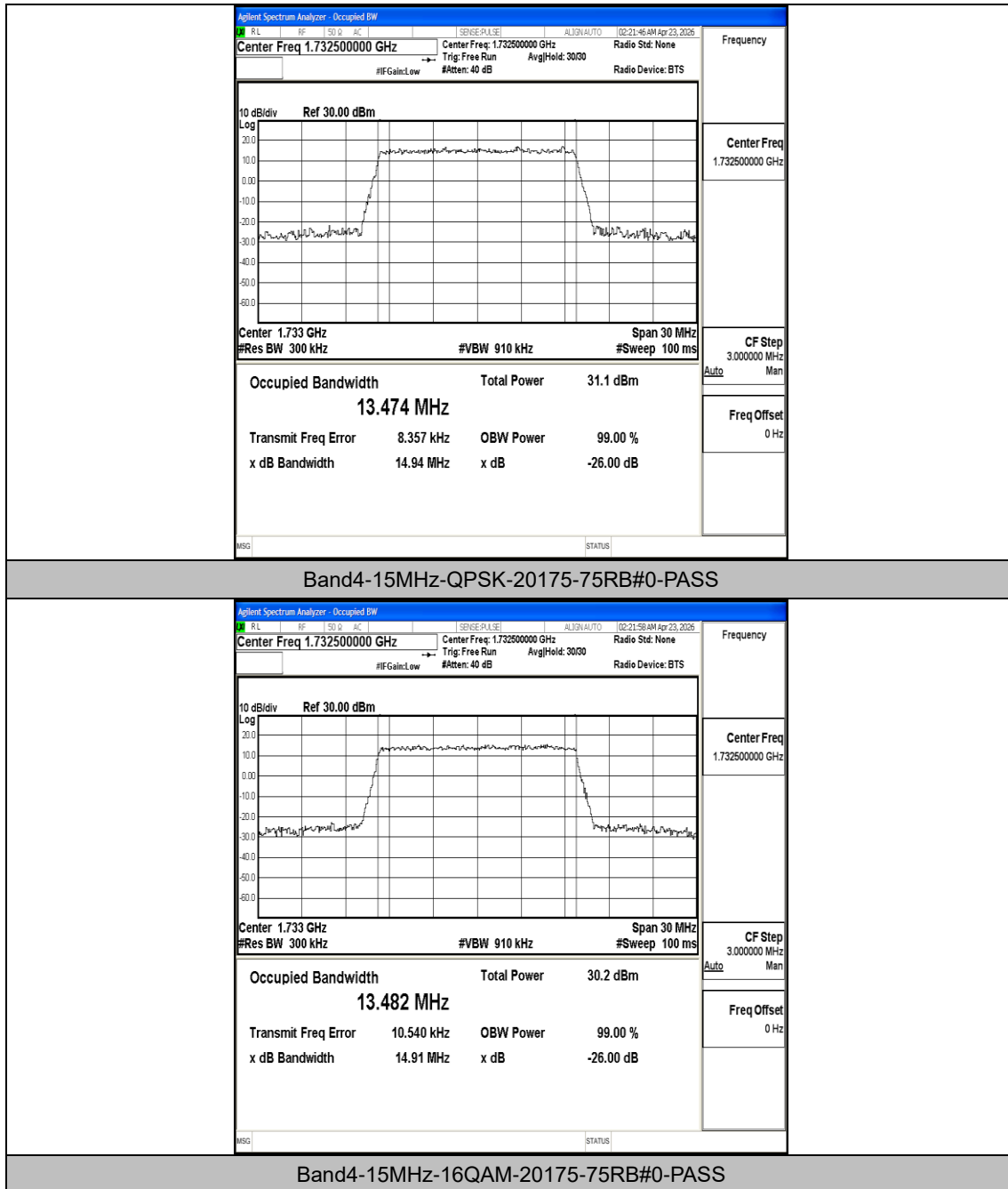


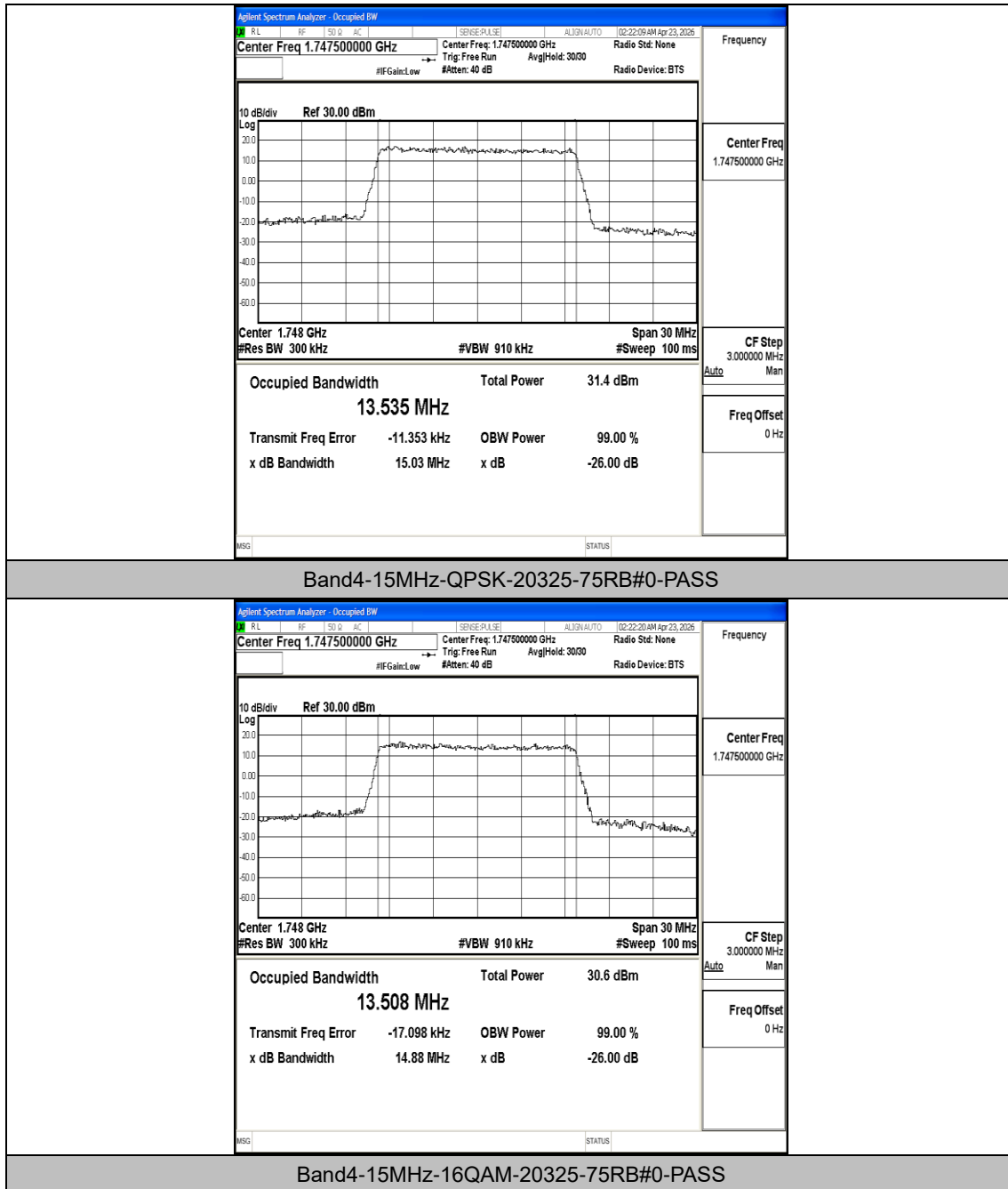


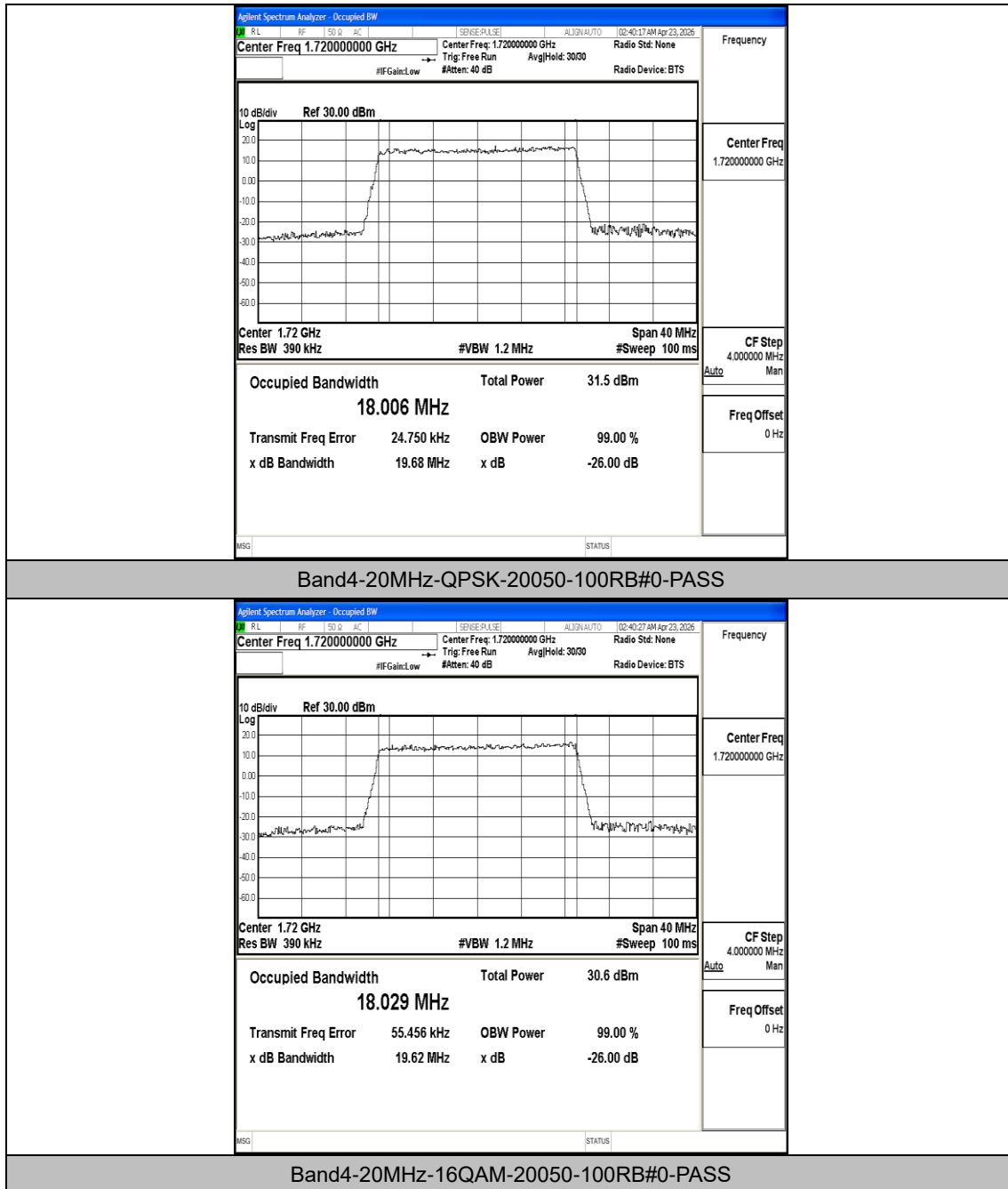


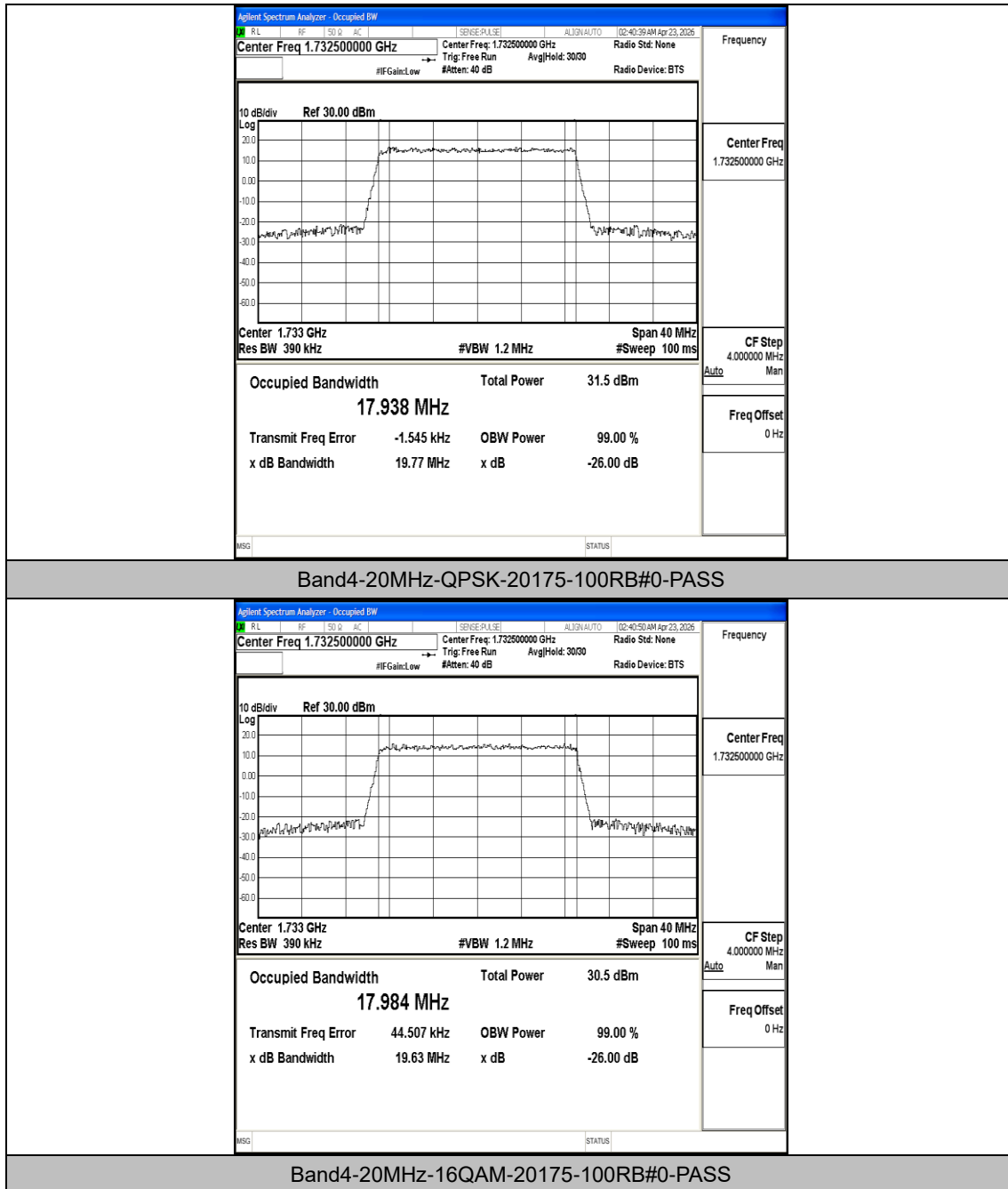


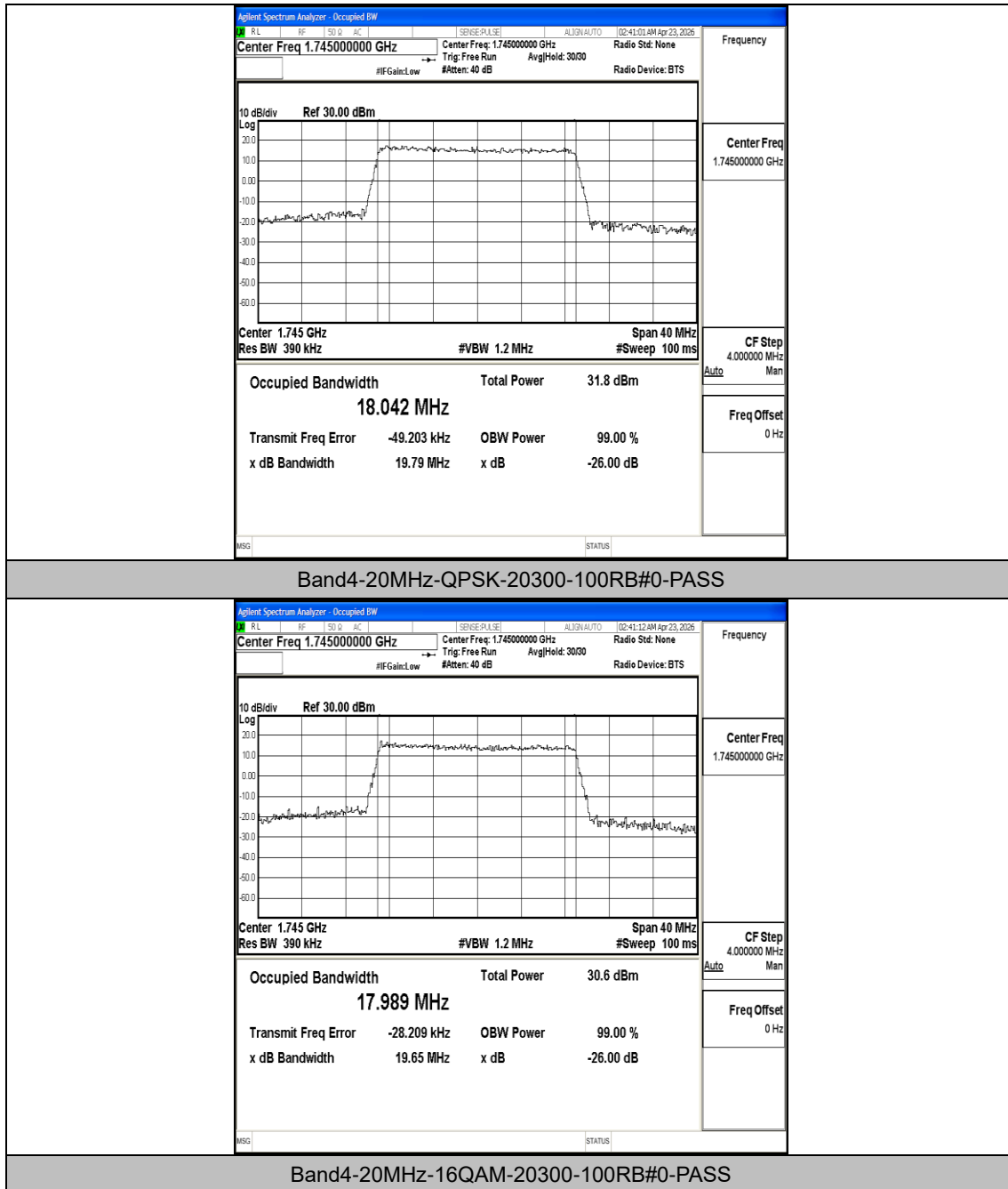












3 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1709.99	-23.64	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1709.98	-21.74	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1755.02	-24.16	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1755.07	-22.99	PASS
Band4	5MHz	QPSK	19975	25RB#0	1709.98	-17.89	PASS
Band4	5MHz	16QAM	19975	25RB#0	1710.00	-19.50	PASS
Band4	5MHz	QPSK	20375	25RB#0	1755.01	-19.89	PASS
Band4	5MHz	16QAM	20375	25RB#0	1755.00	-19.04	PASS
Band4	10MHz	QPSK	20000	50RB#0	1709.97	-21.39	PASS
Band4	10MHz	16QAM	20000	50RB#0	1709.99	-19.65	PASS
Band4	10MHz	QPSK	20350	50RB#0	1755.01	-19.80	PASS
Band4	10MHz	16QAM	20350	50RB#0	1755.04	-20.59	PASS
Band4	15MHz	QPSK	20025	75RB#0	1709.94	-18.04	PASS
Band4	15MHz	16QAM	20025	75RB#0	1709.99	-18.39	PASS
Band4	15MHz	QPSK	20325	75RB#0	1755.02	-16.82	PASS
Band4	15MHz	16QAM	20325	75RB#0	1755.02	-18.25	PASS
Band4	20MHz	QPSK	20050	100RB#0	1709.99	-21.15	PASS
Band4	20MHz	16QAM	20050	100RB#0	1709.95	-21.30	PASS
Band4	20MHz	QPSK	20300	100RB#0	1755.03	-21.47	PASS
Band4	20MHz	16QAM	20300	100RB#0	1755.06	-22.70	PASS
Band4	3MHz	16QAM	19965	15RB#0	1710.00	-17.83	PASS
Band4	3MHz	QPSK	20385	15RB#0	1755.01	-17.66	PASS
Band4	3MHz	QPSK	19965	15RB#0	1710.00	-16.54	PASS
Band4	3MHz	16QAM	20385	15RB#0	1755.02	-17.45	PASS