

FCC Appendix RF Test Data for LTE Band 4

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

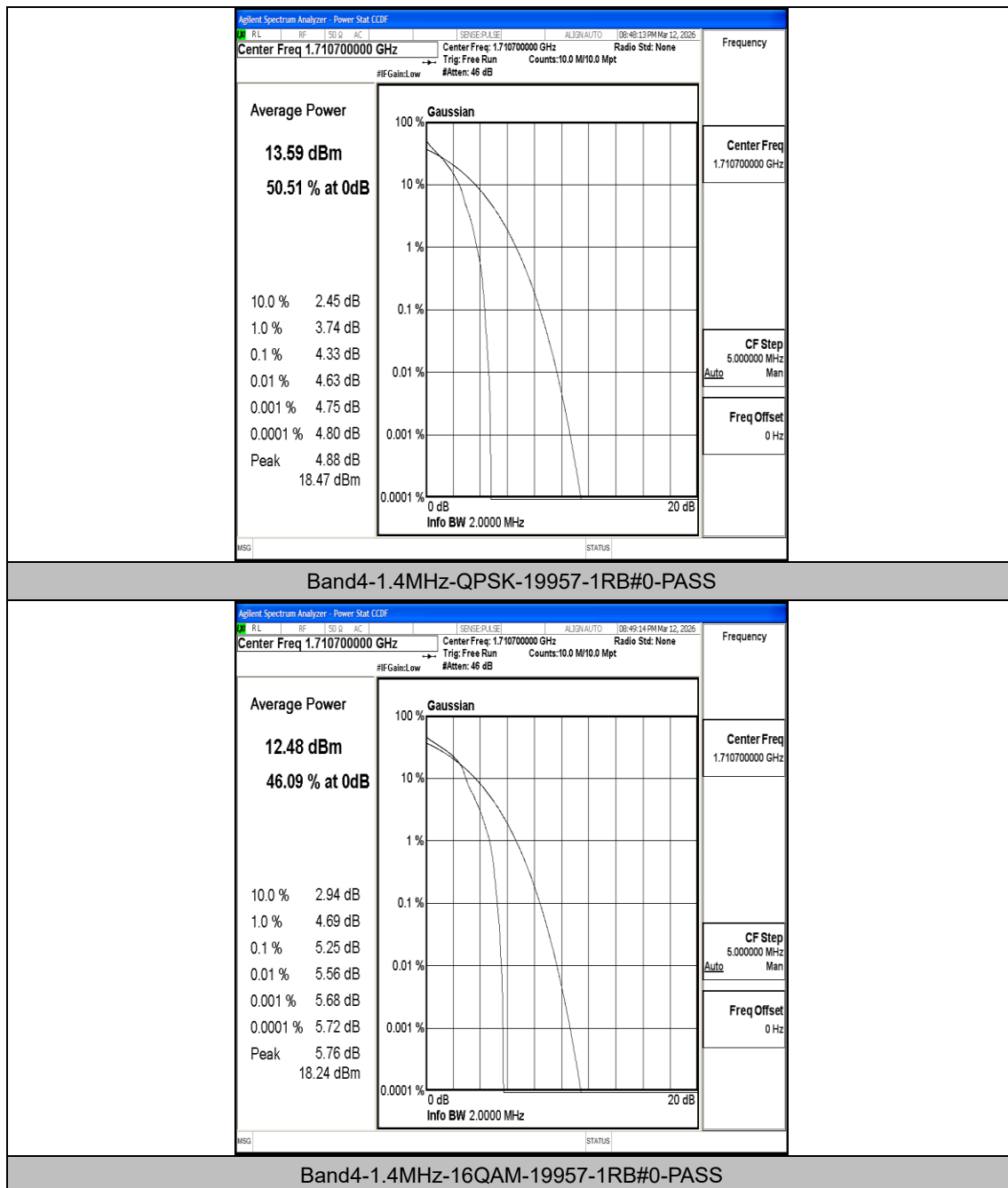
A Peak-to-Average Ratio(CCDF)

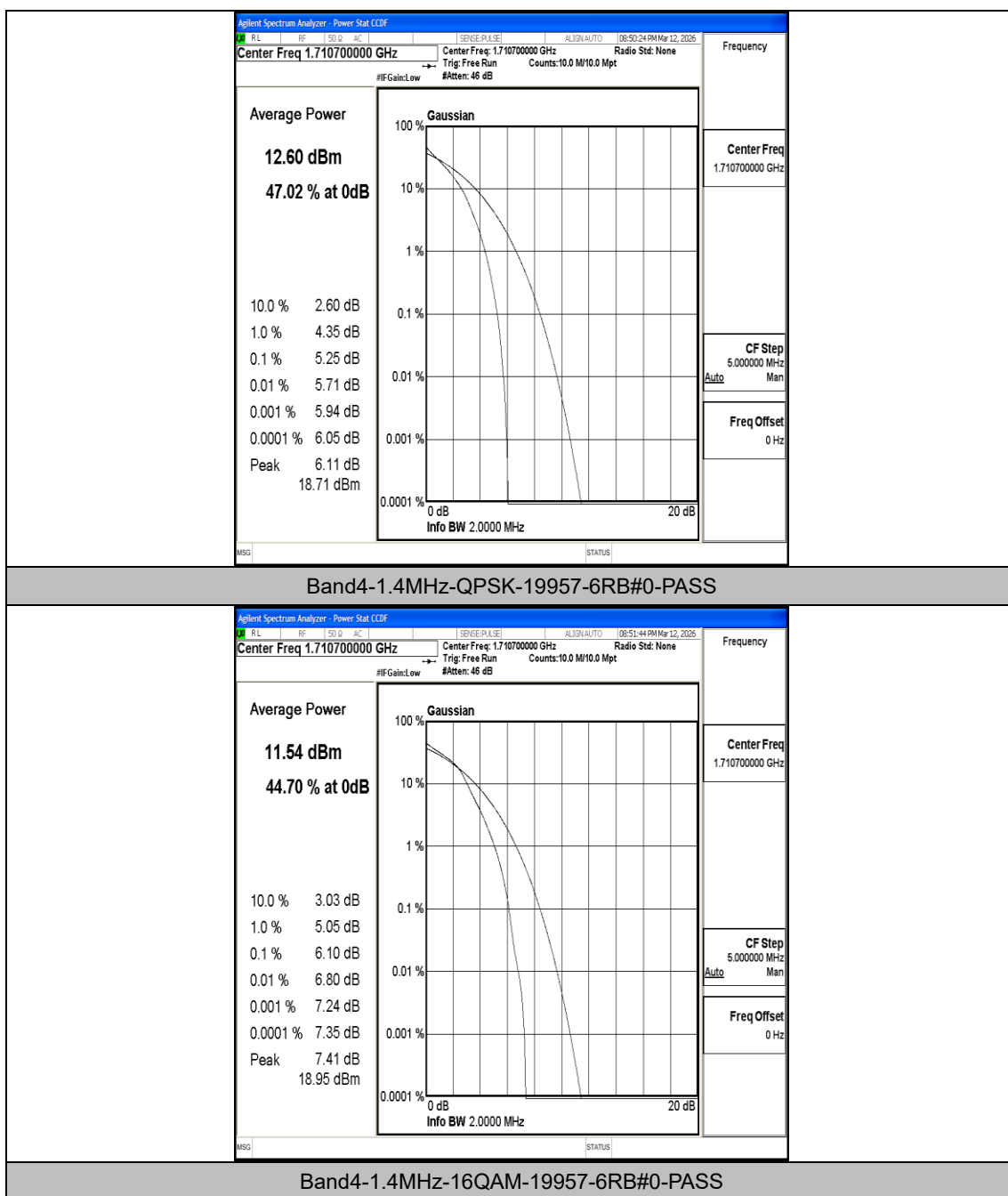
Test Result

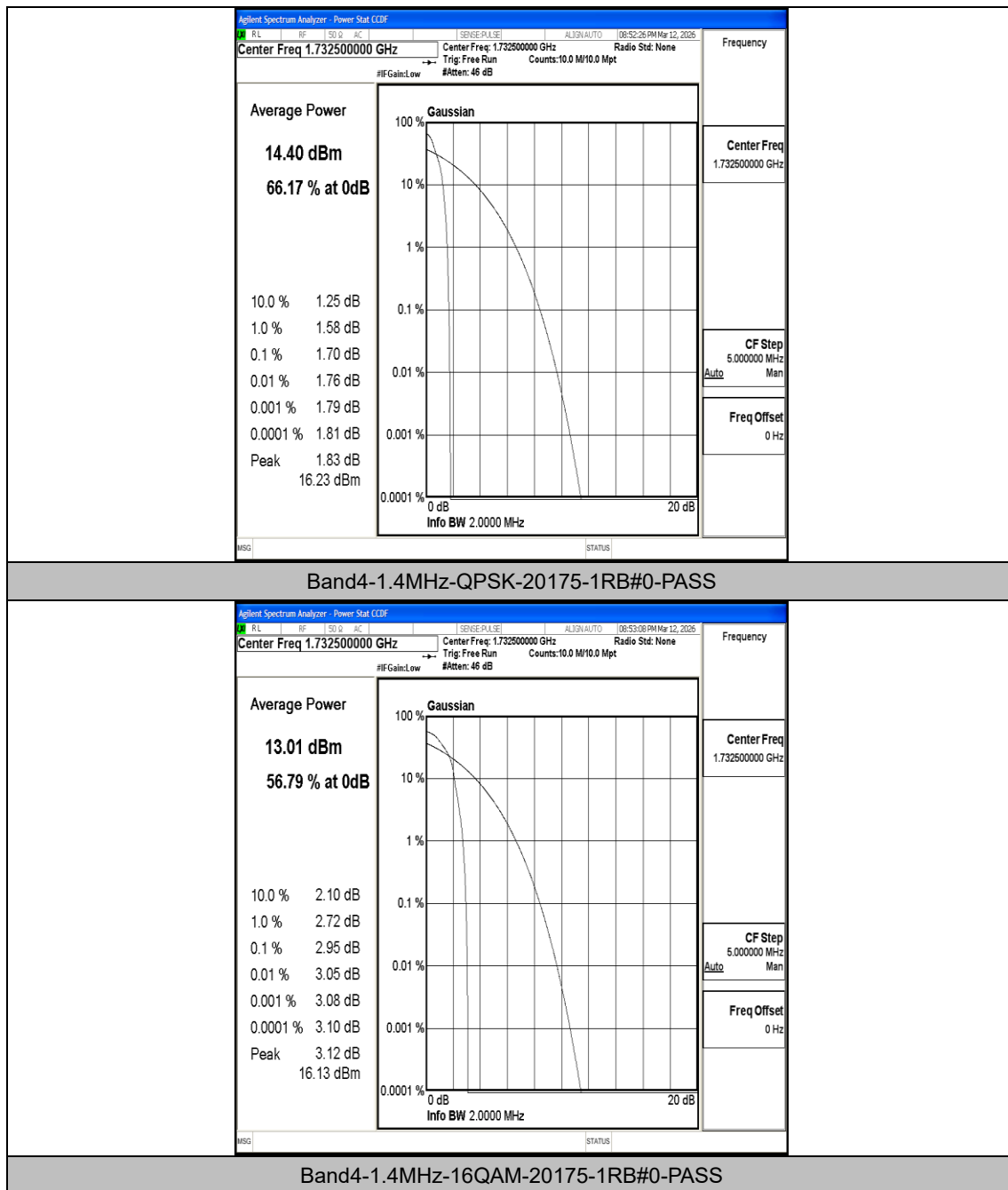
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.33	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.25	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.25	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.10	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1.70	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	2.95	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	2.98	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	3.95	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.76	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	4.82	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.89	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.67	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.50	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.41	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.25	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.08	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	1.79	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	2.91	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	3.18	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	4.04	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	3.54	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	4.44	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.81	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.60	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.60	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.27	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.46	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.16	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	1.84	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	2.90	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.18	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.86	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	3.26	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	4.07	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.14	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.80	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.60	13	PASS

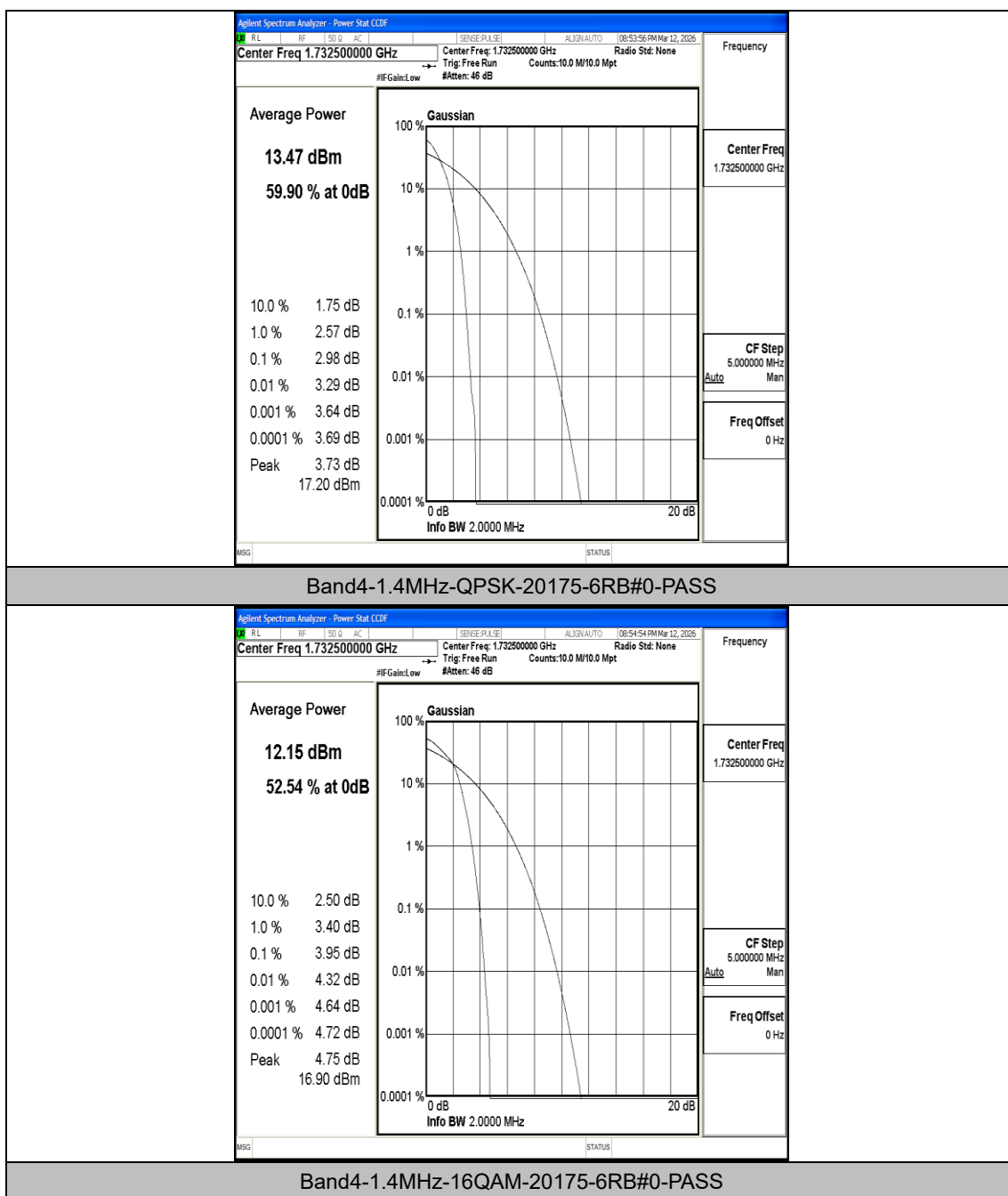
Band4	10MHz	16QAM	20000	1RB#0	5.50	13	PASS
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Band4	10MHz	16QAM	20000	50RB#0	6.00	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	2.00	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	3.13	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.16	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	4.85	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	2.38	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	3.43	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.82	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.55	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.61	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.49	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.29	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.90	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	2.32	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	3.48	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	4.29	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	4.95	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	1.89	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	2.98	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.75	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.37	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.51	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.23	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	4.88	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.67	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	2.73	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	3.73	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.18	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	4.91	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	1.79	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	2.92	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.48	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.17	13	PASS

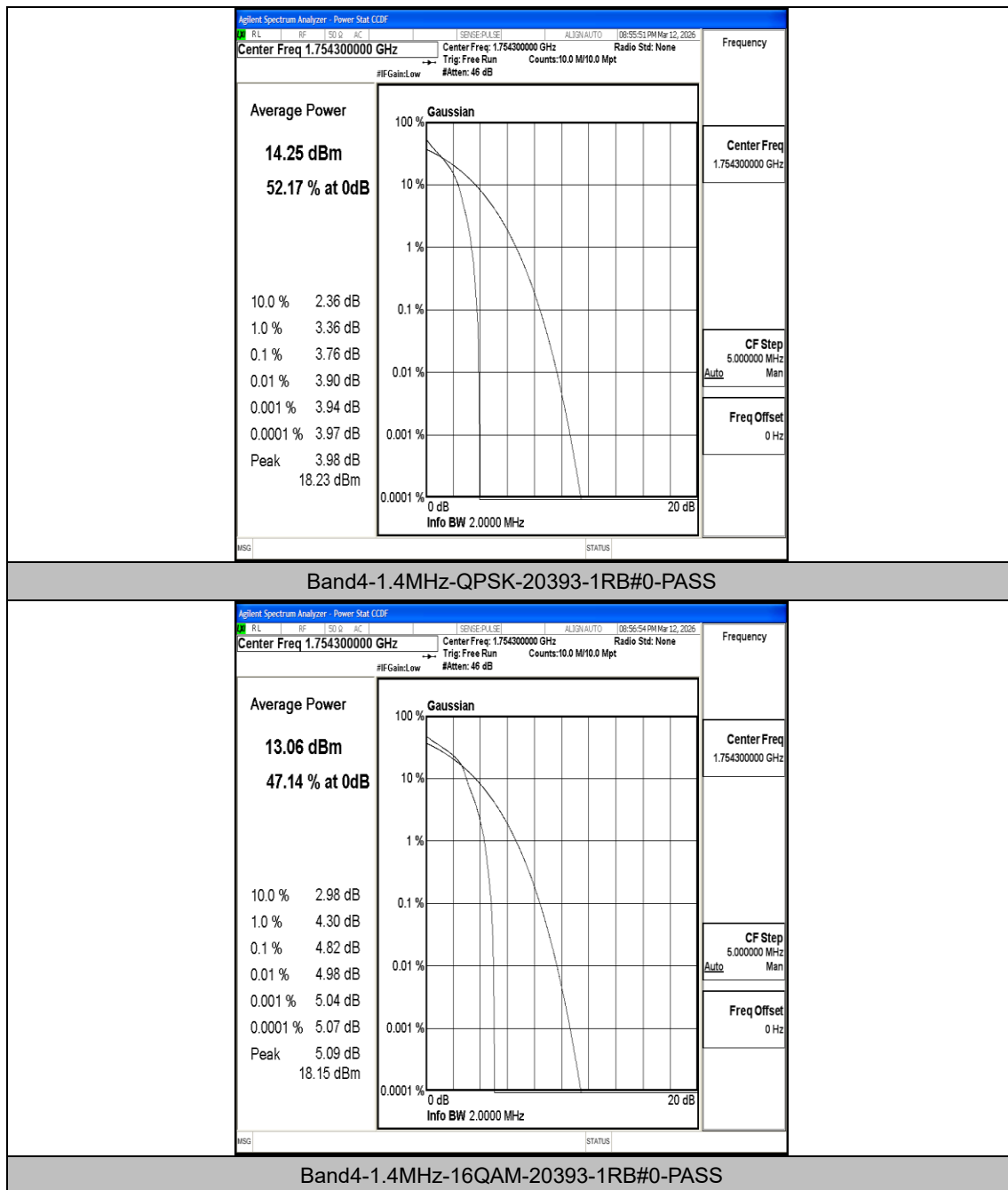
Test Graphs

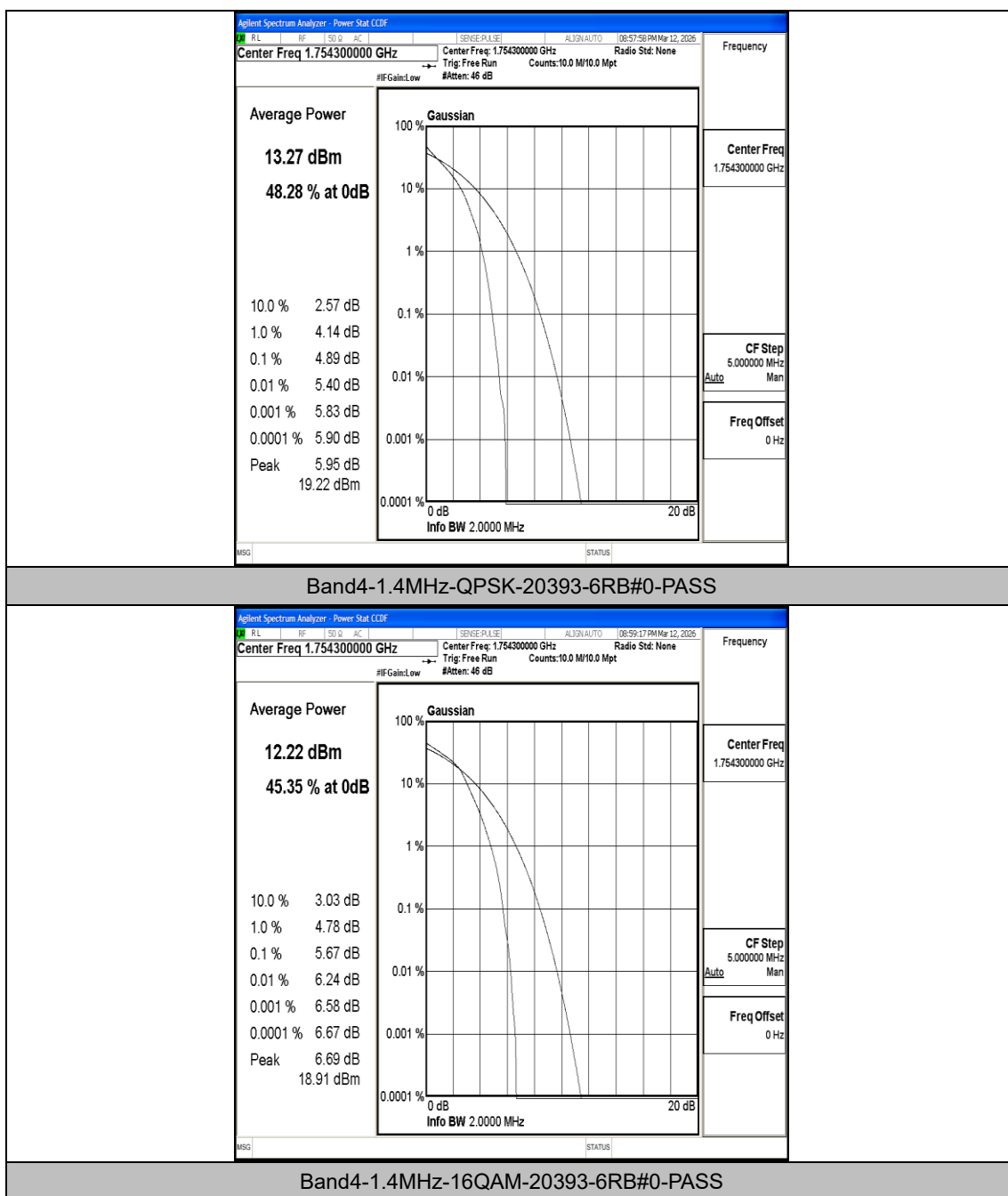


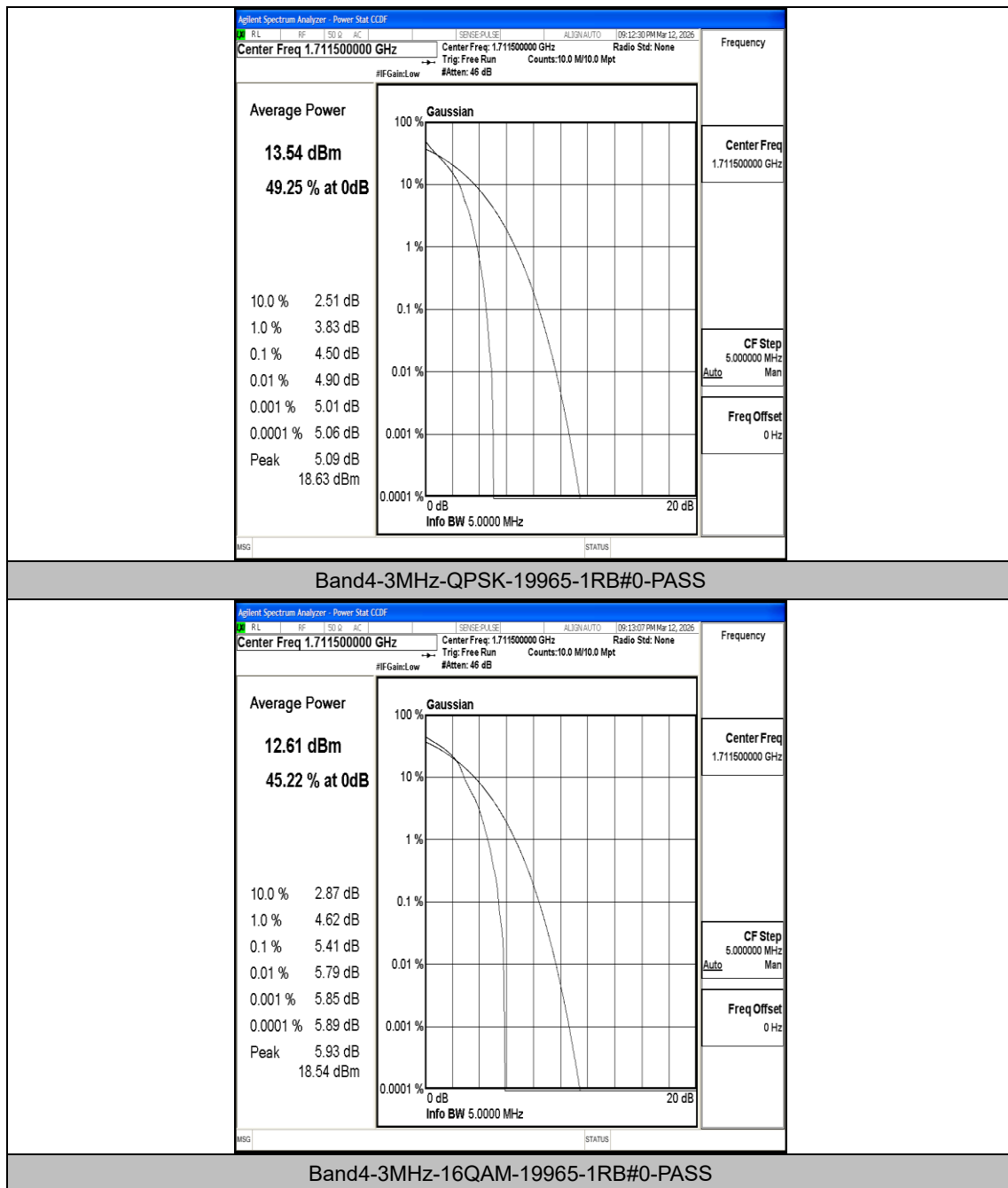


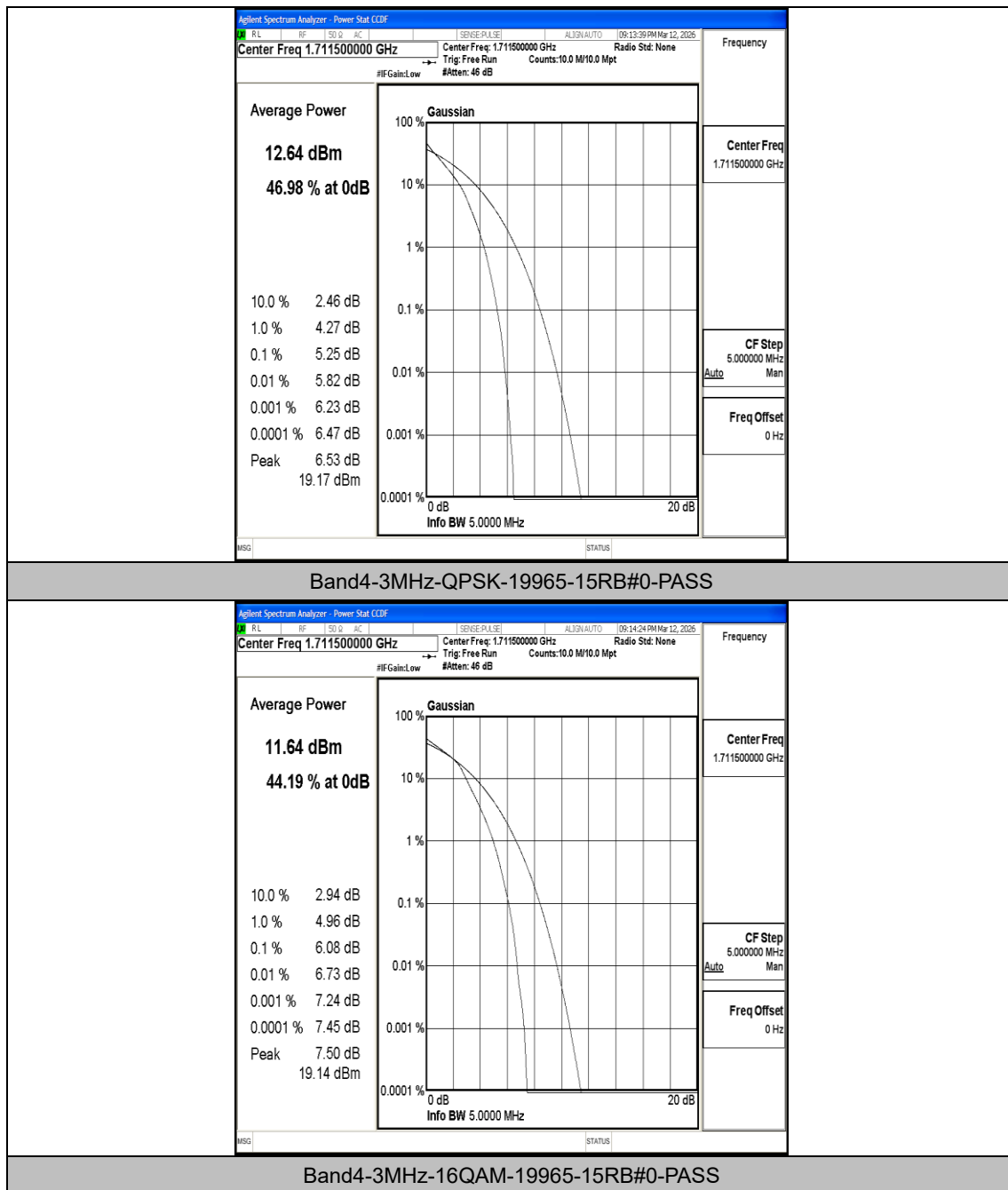


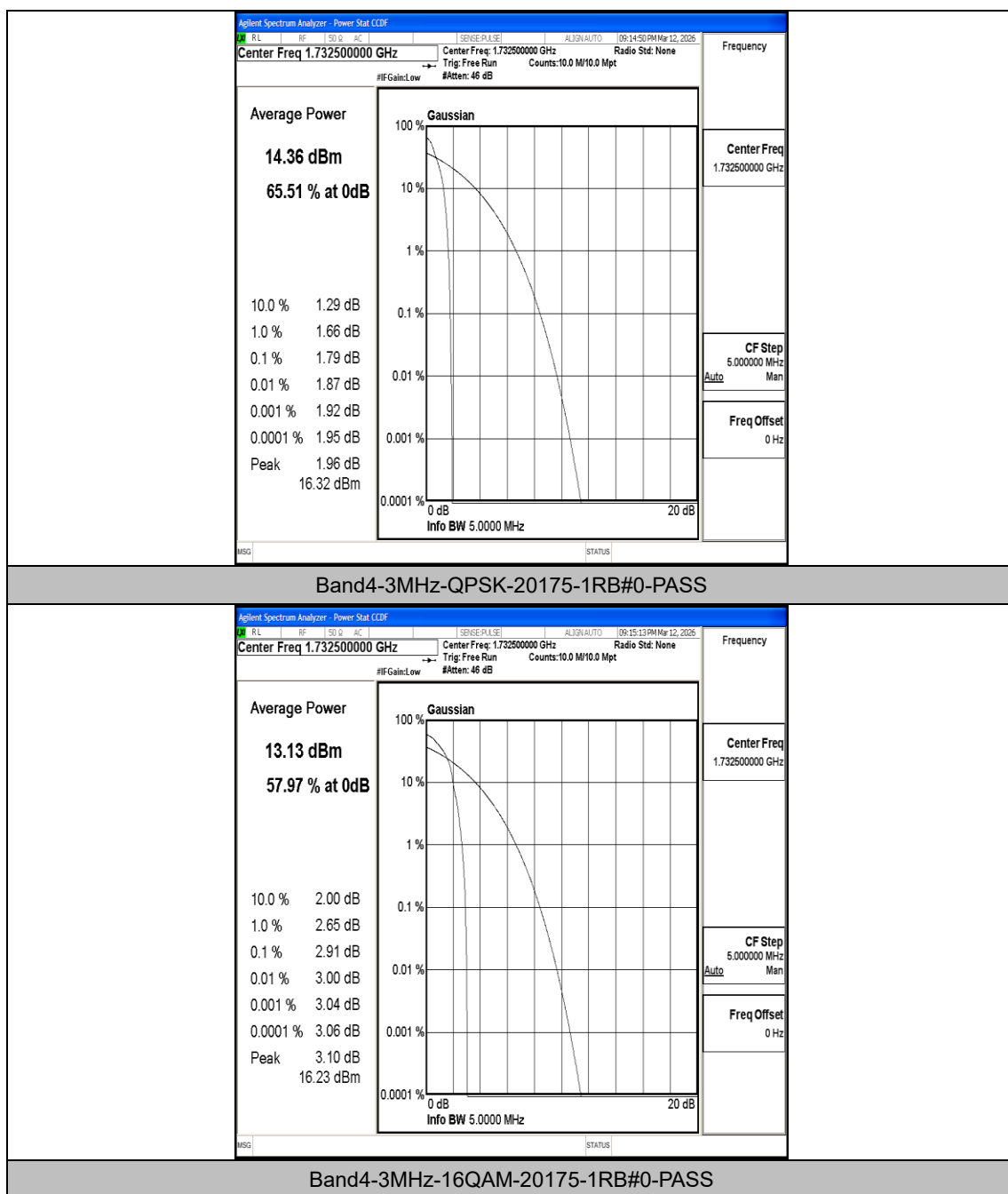


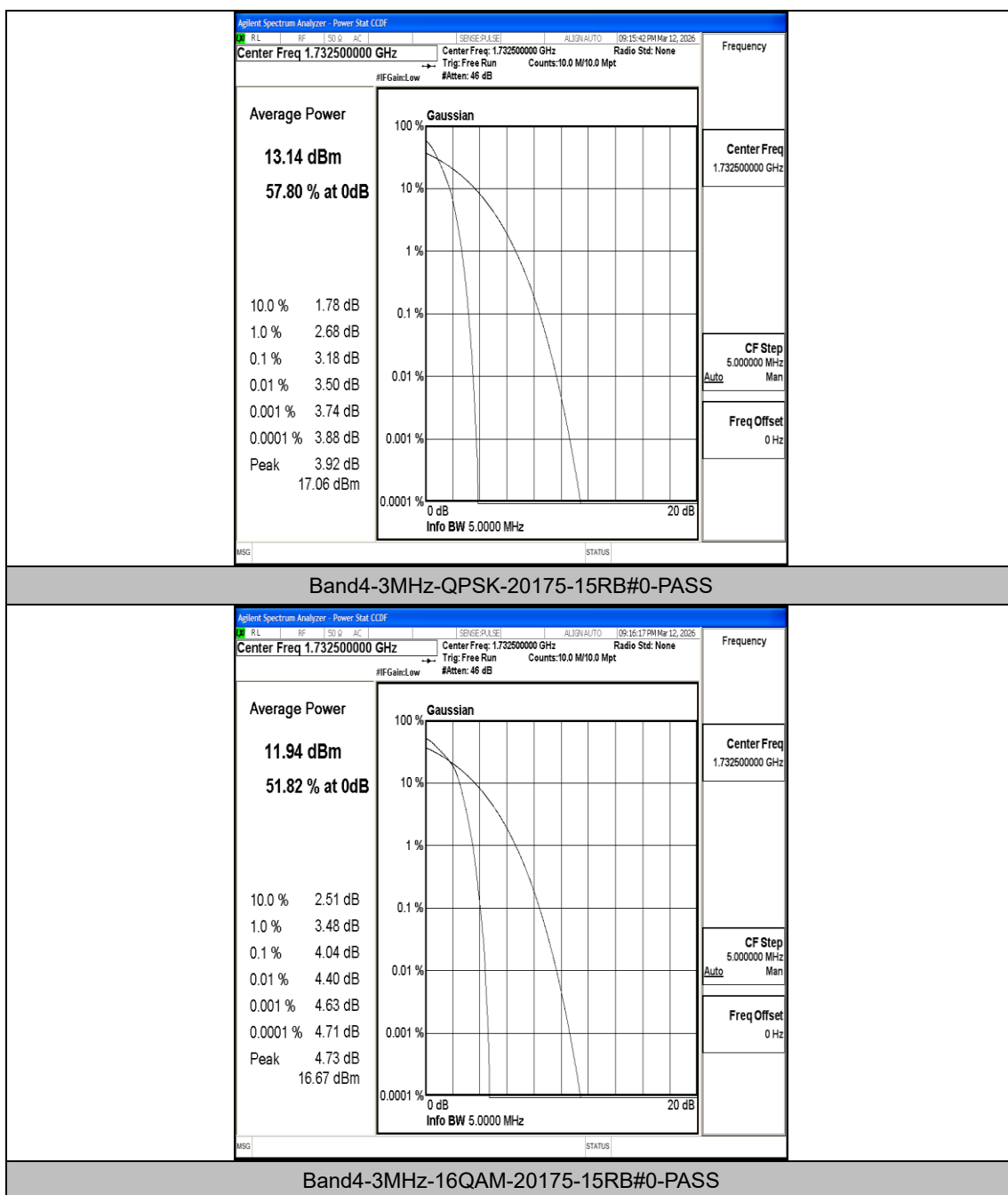


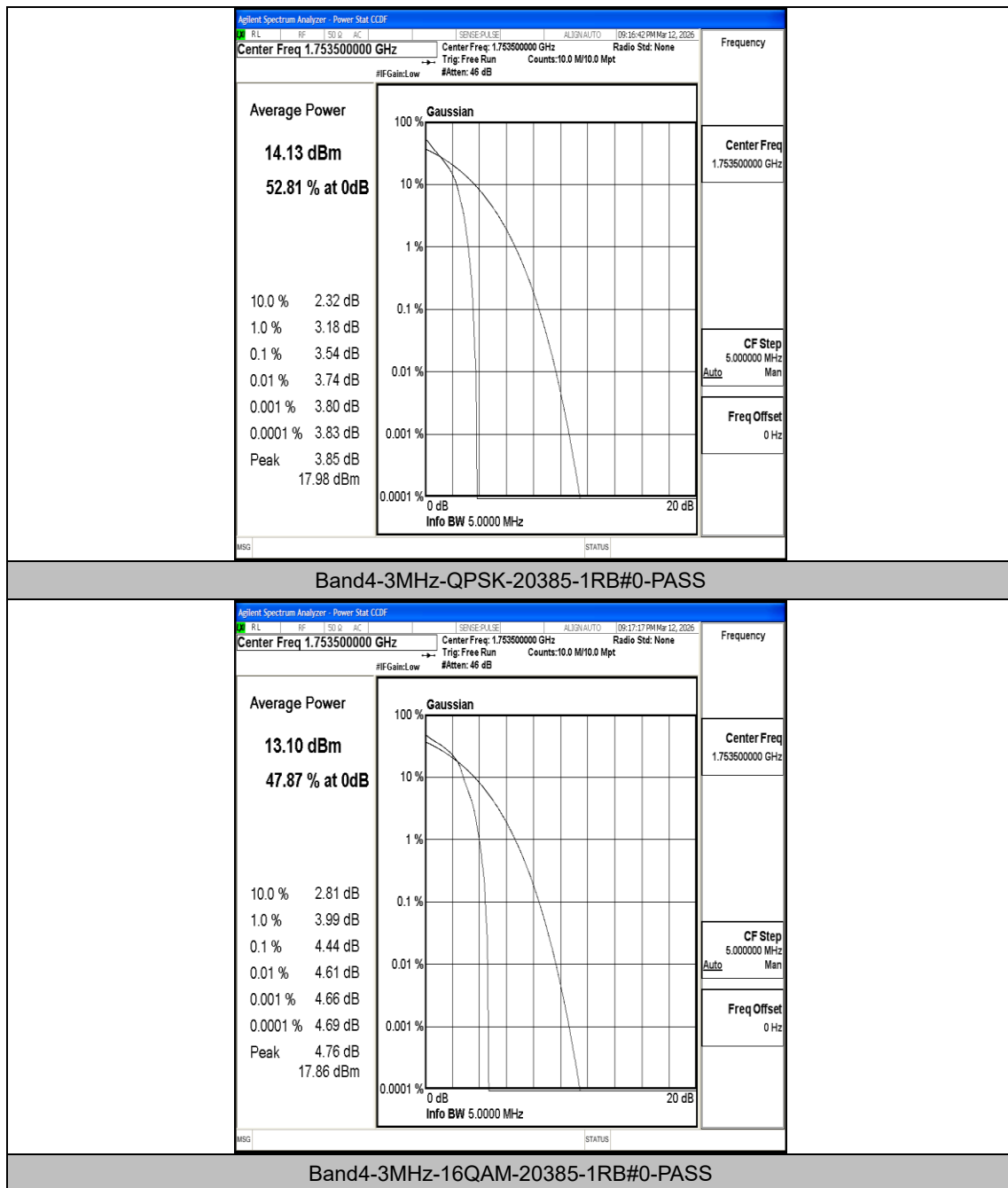


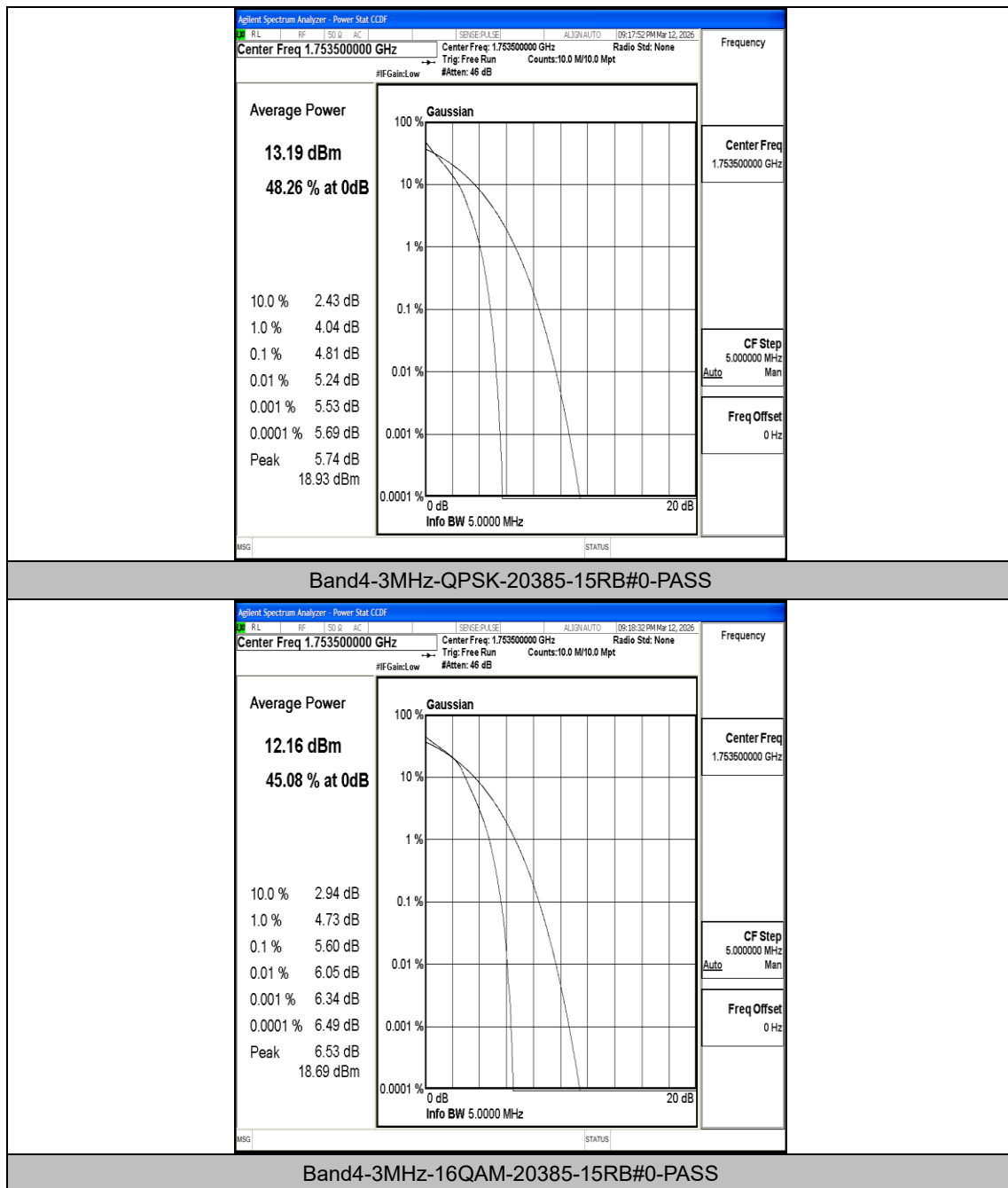


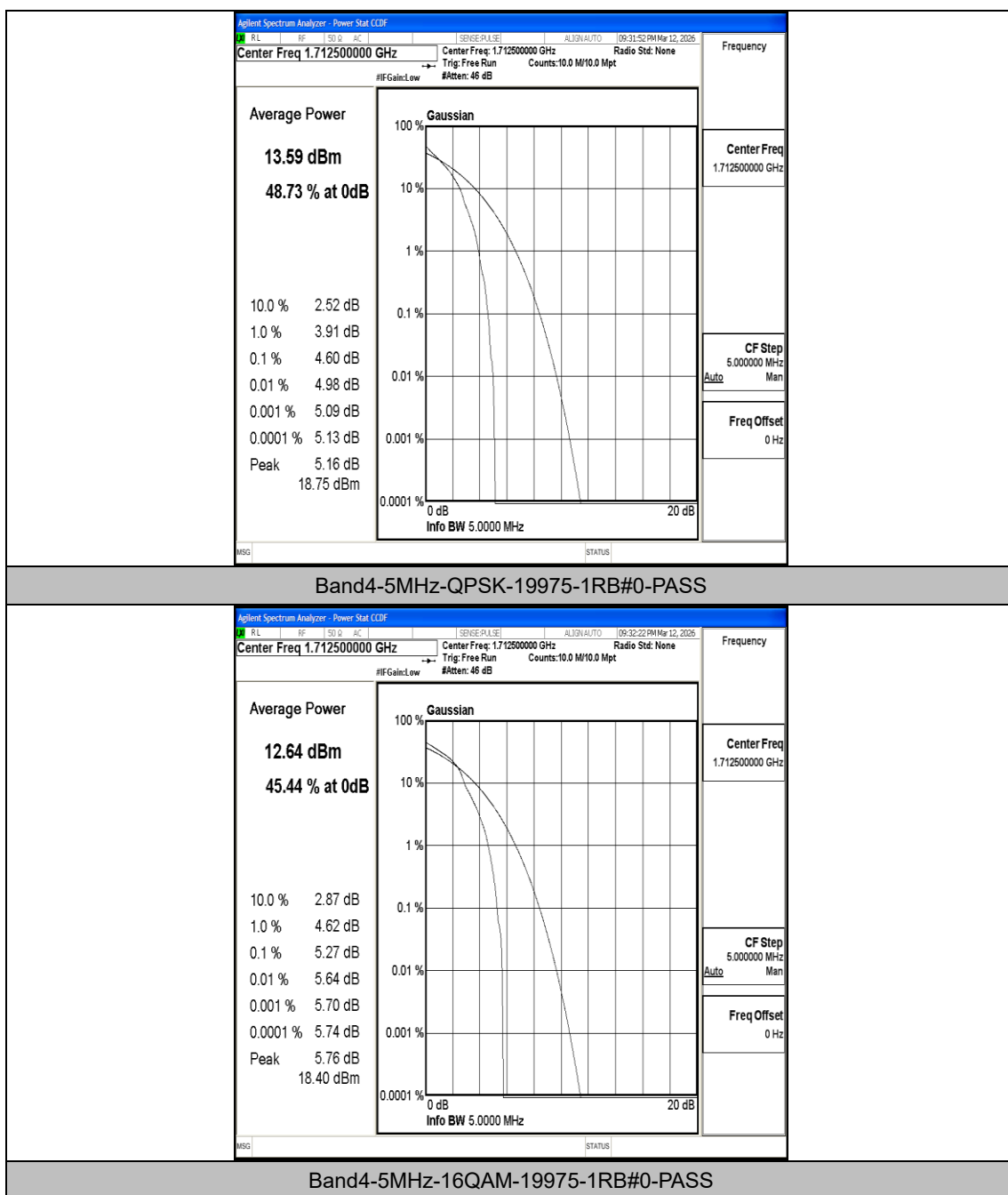


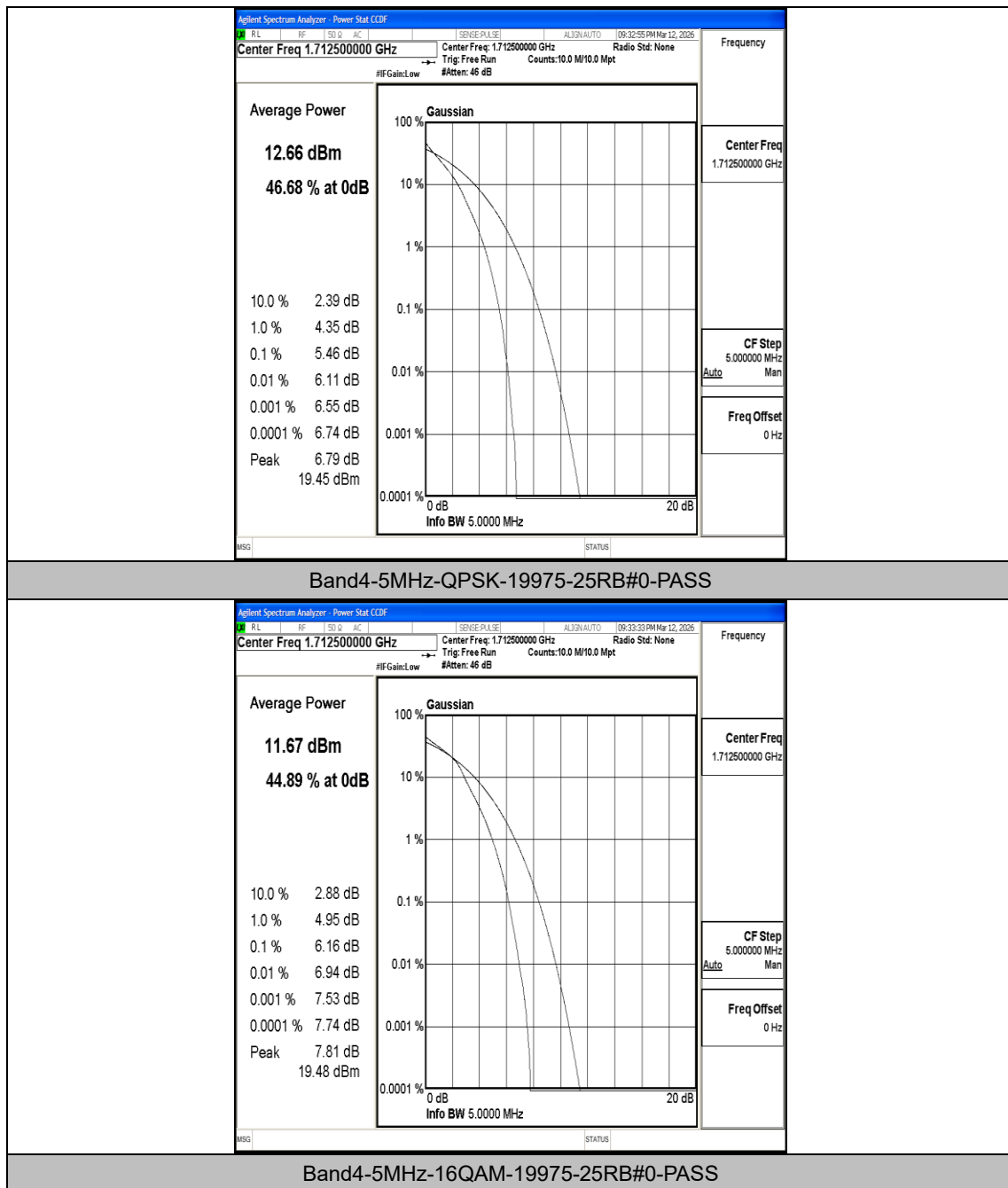


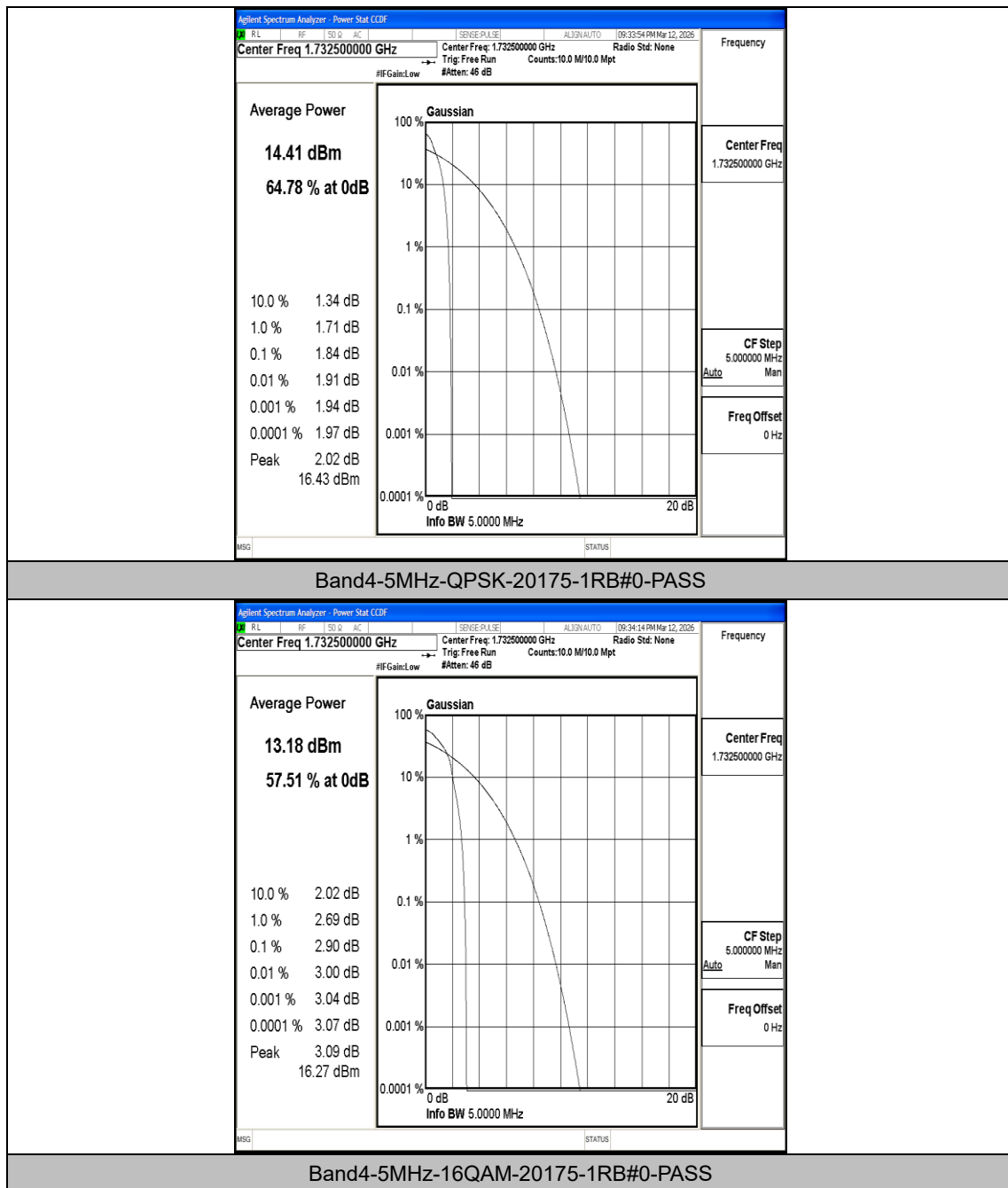


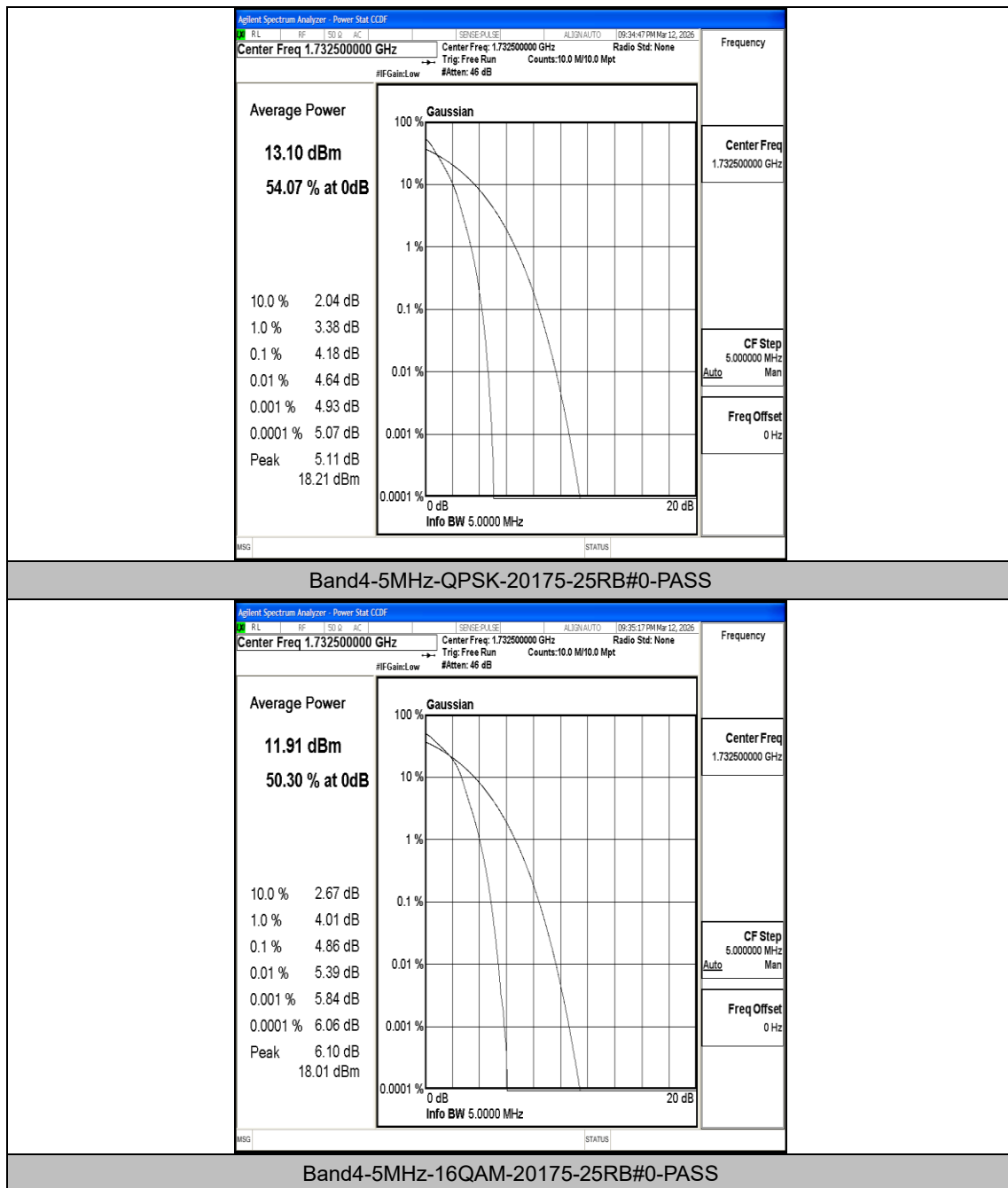


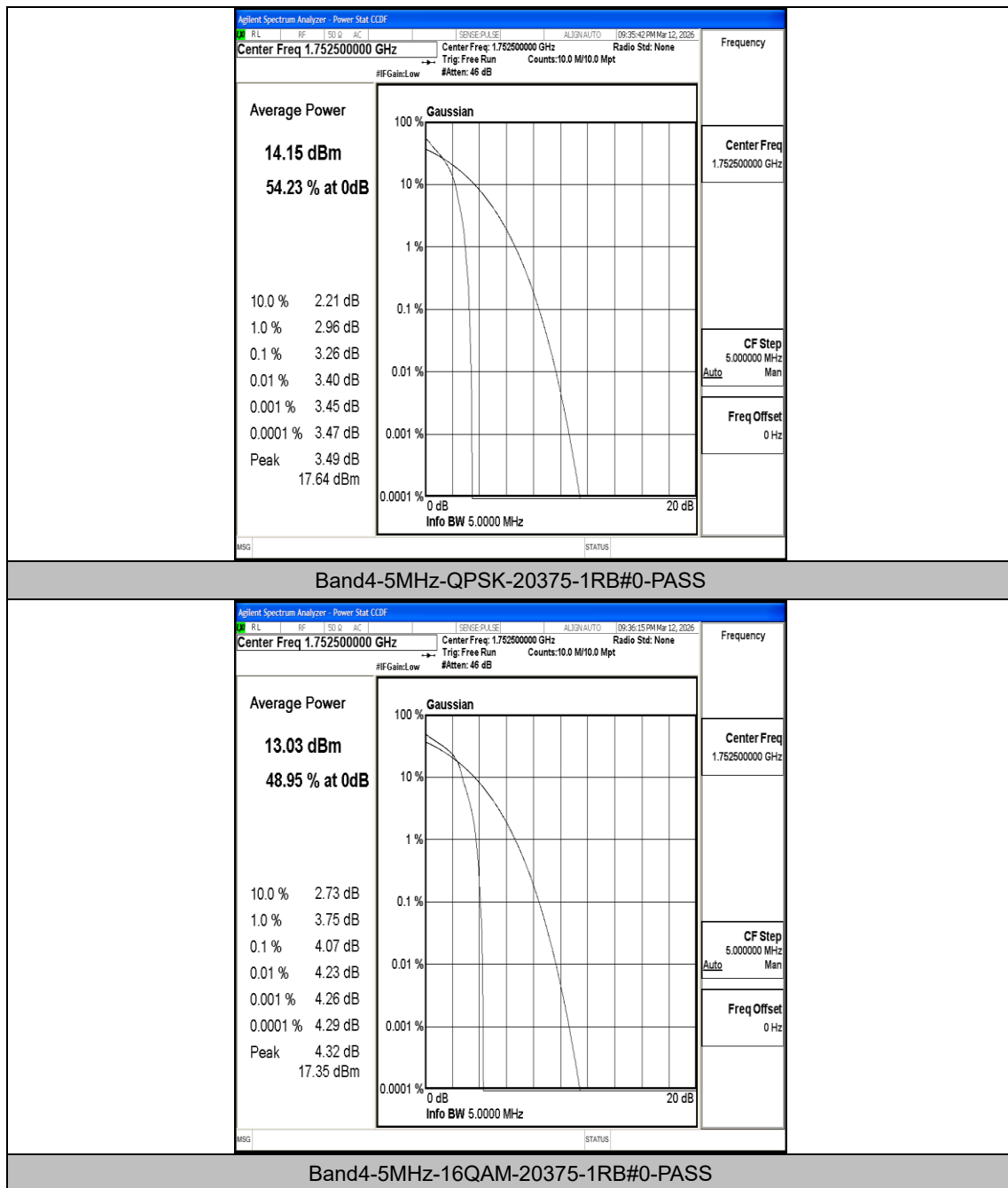


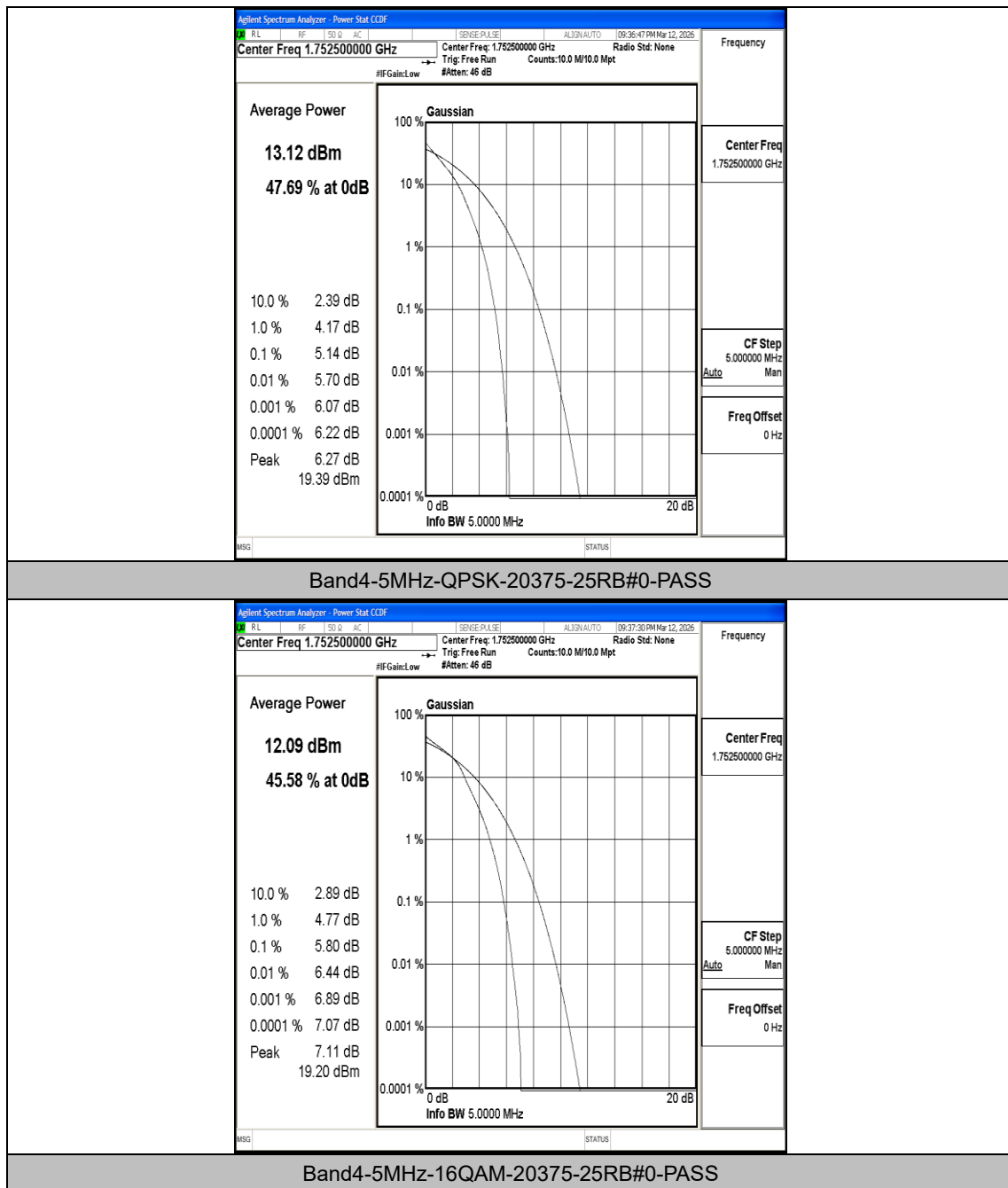


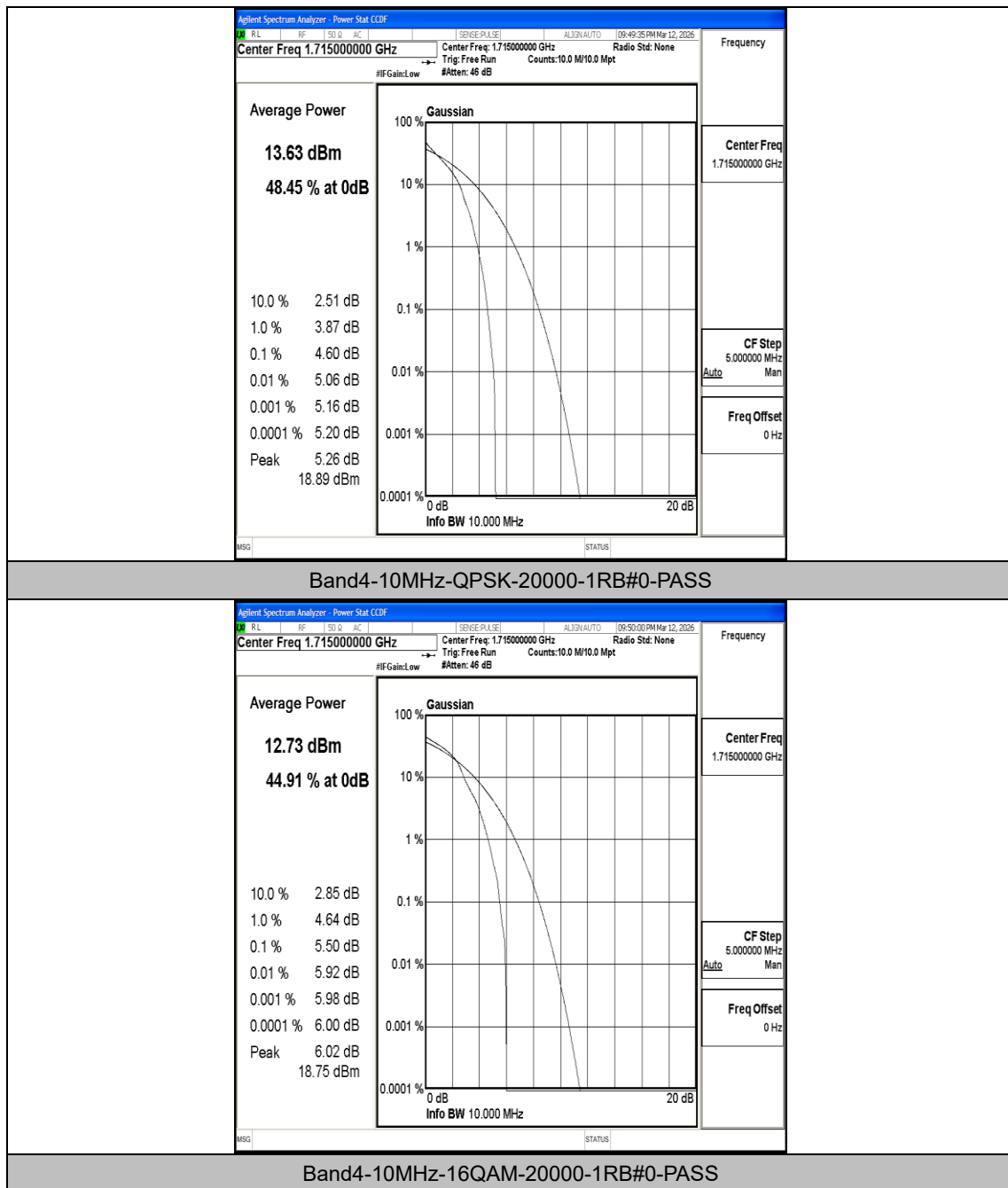


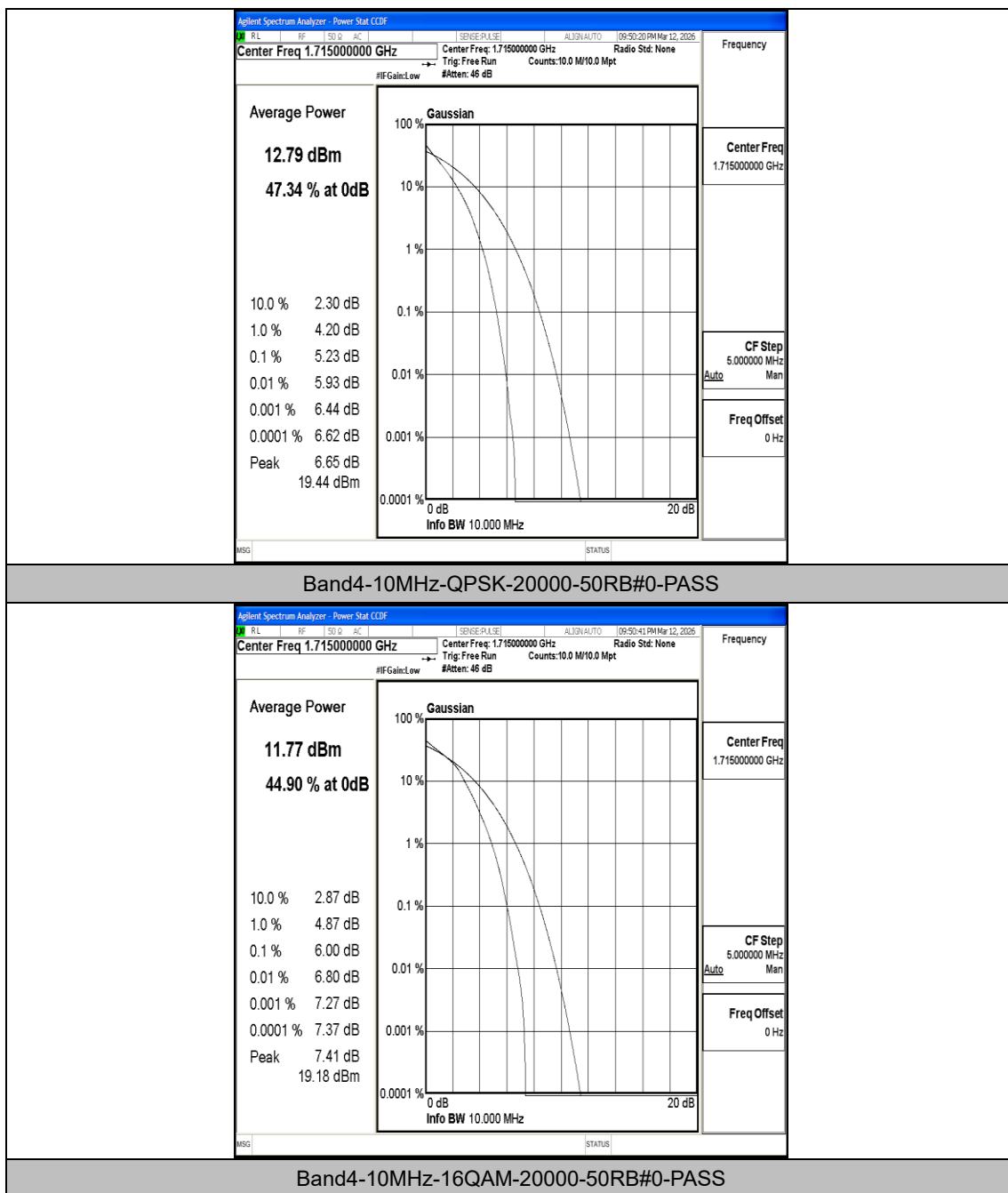


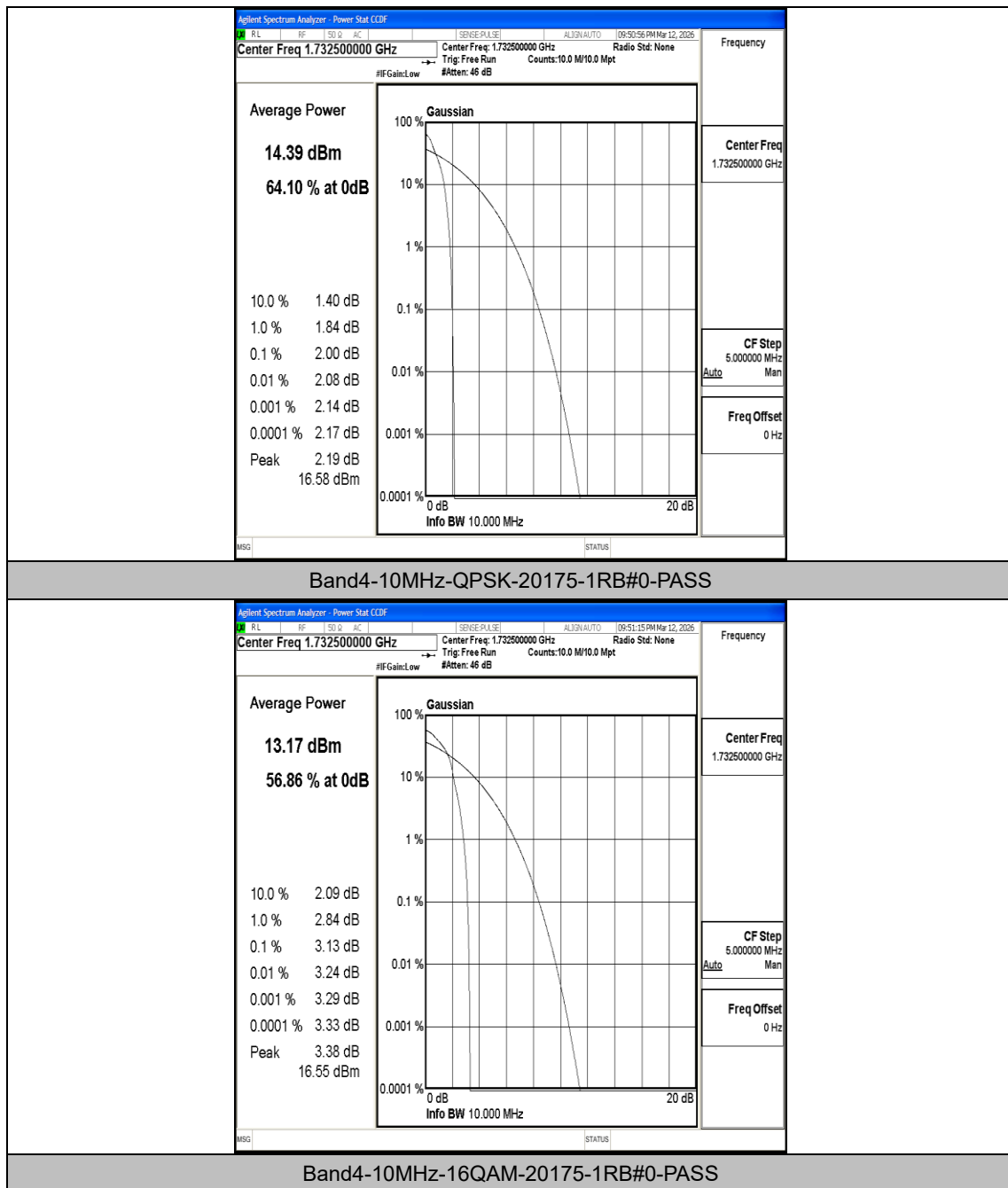


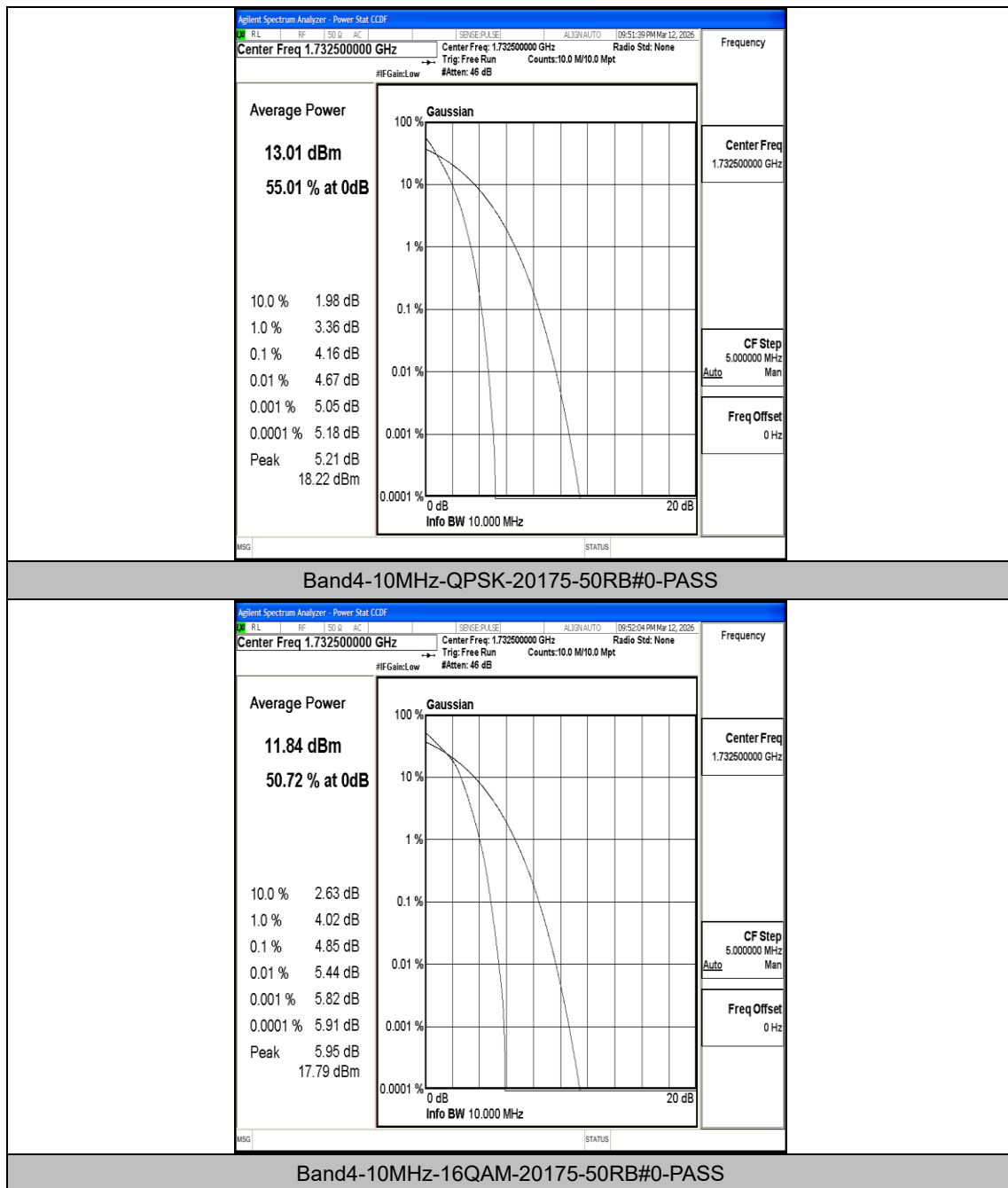


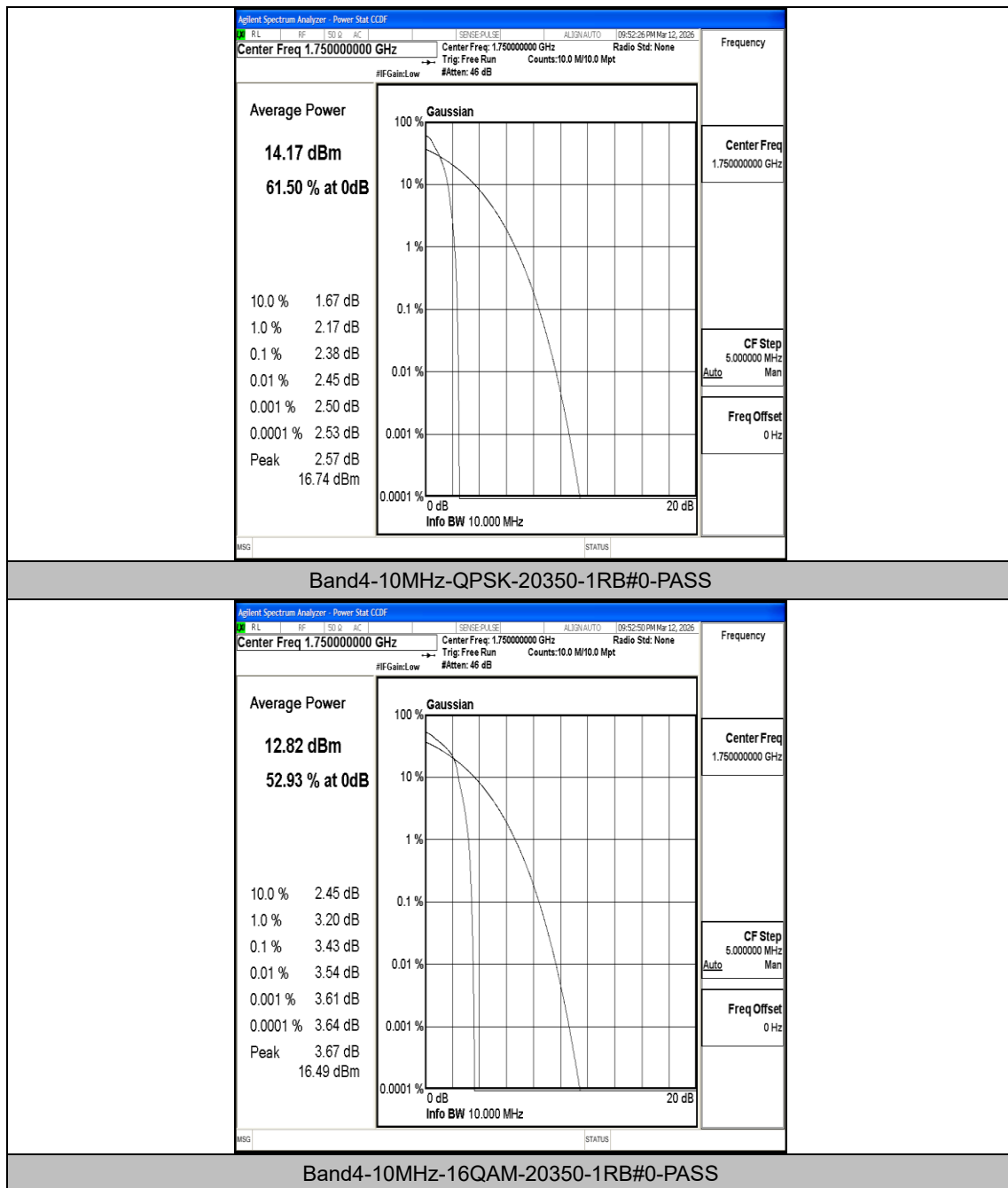


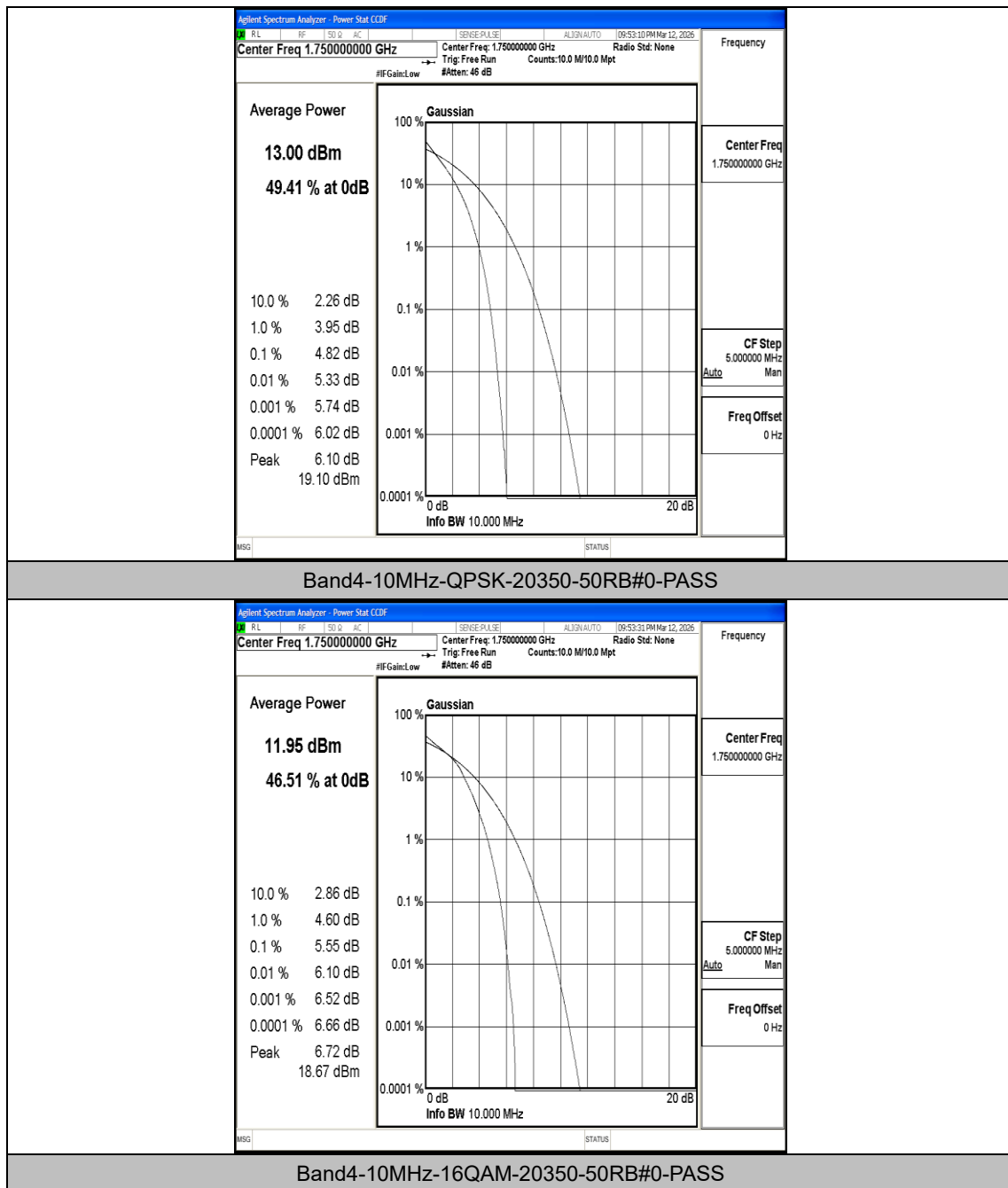


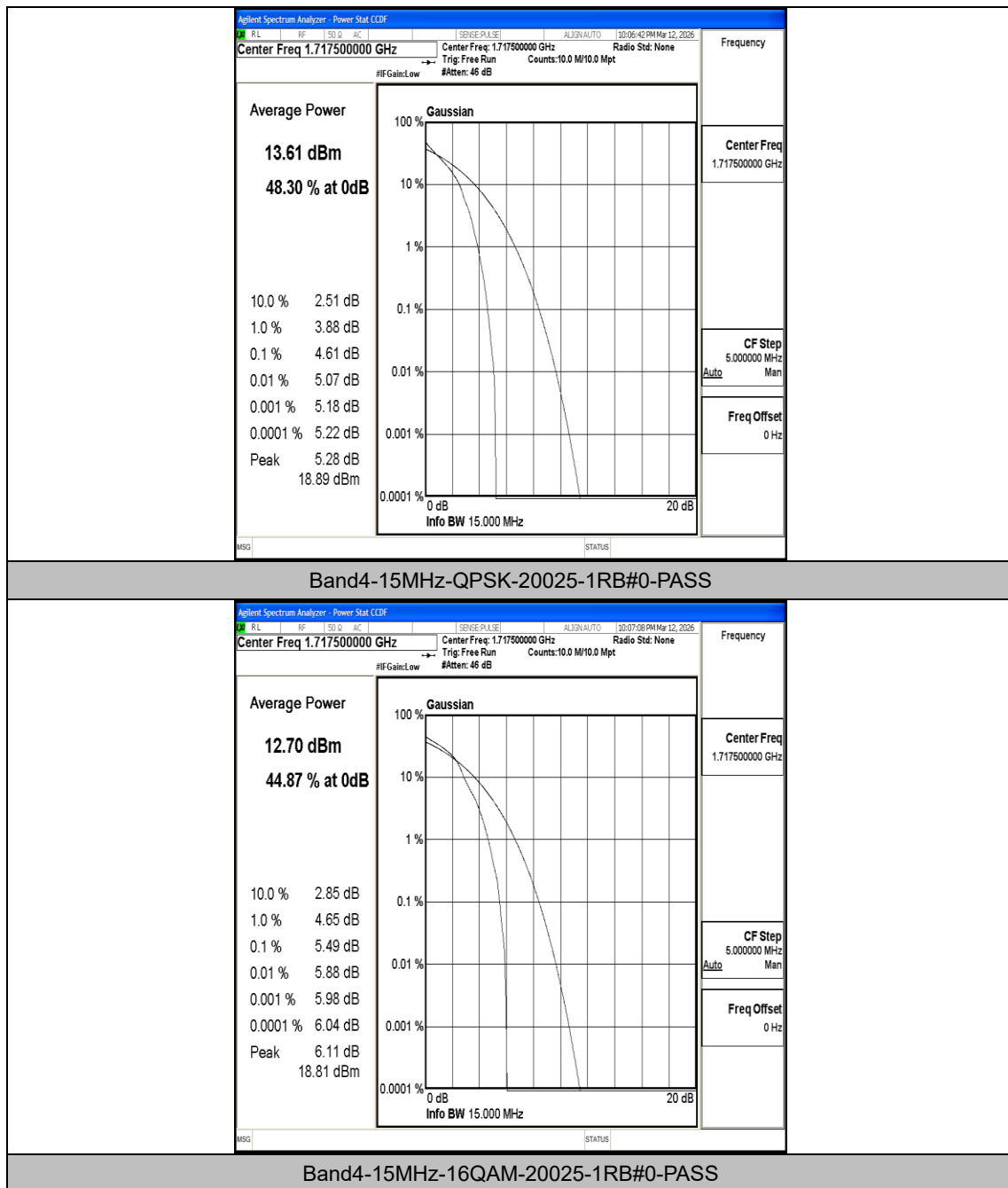


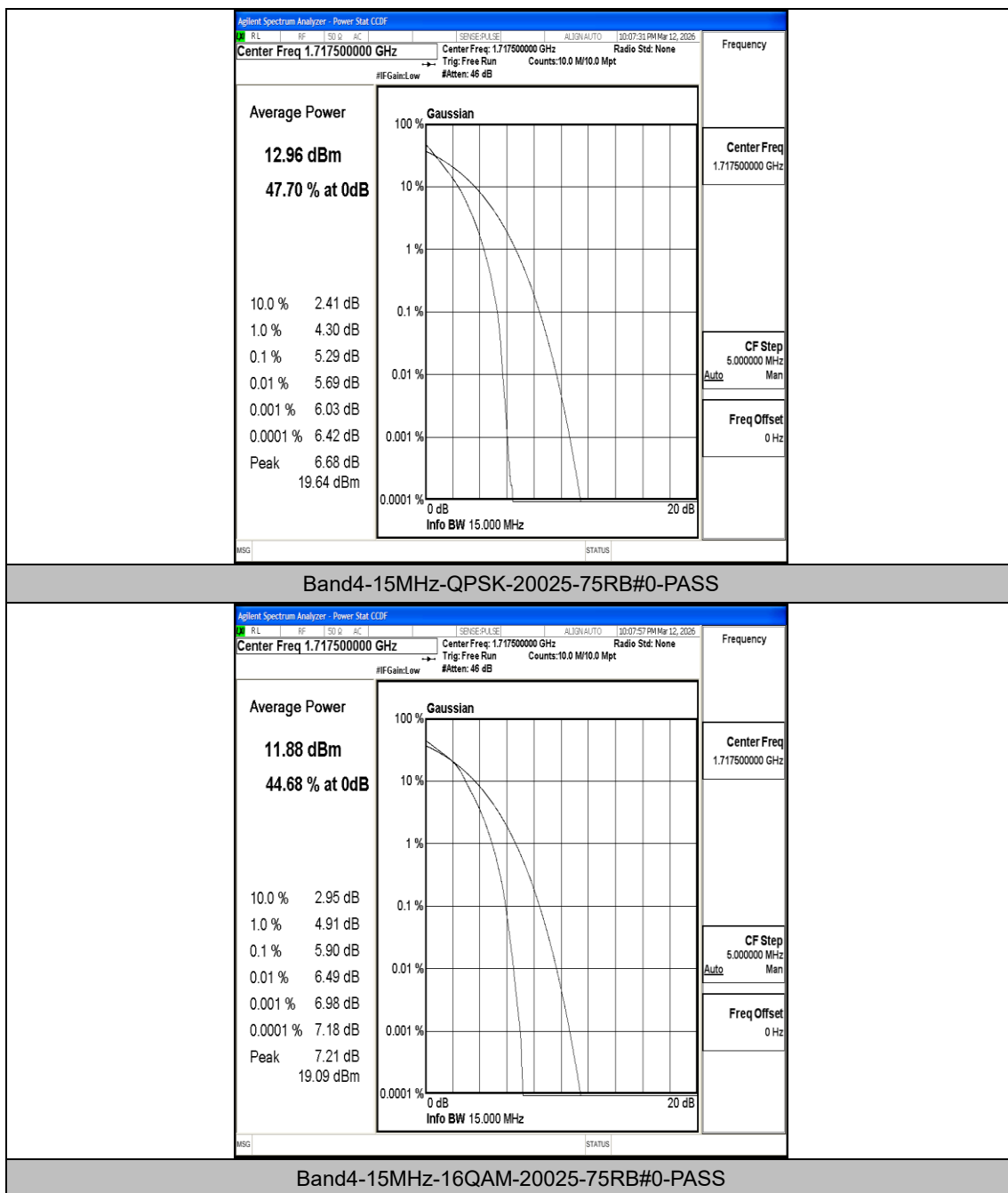


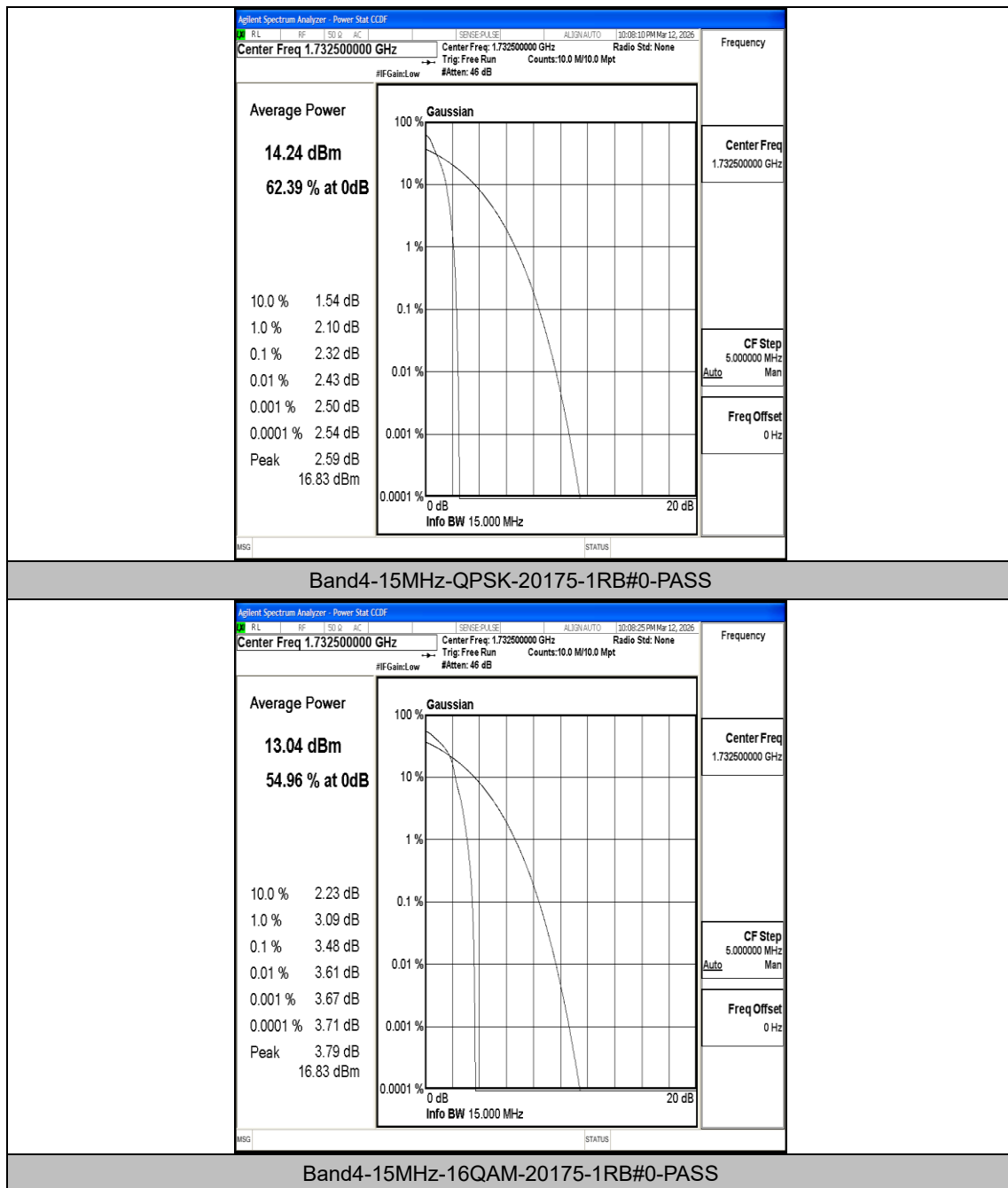


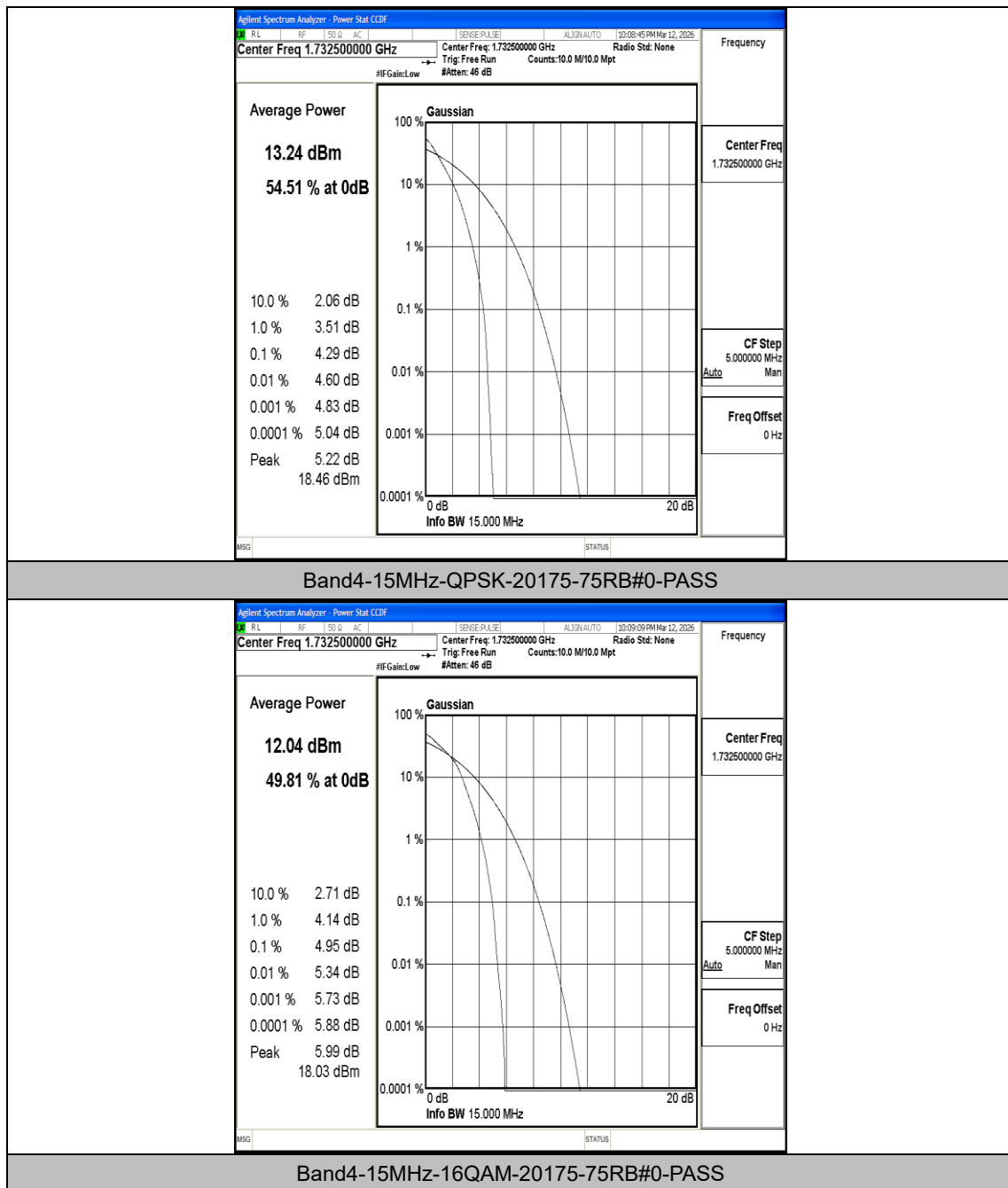


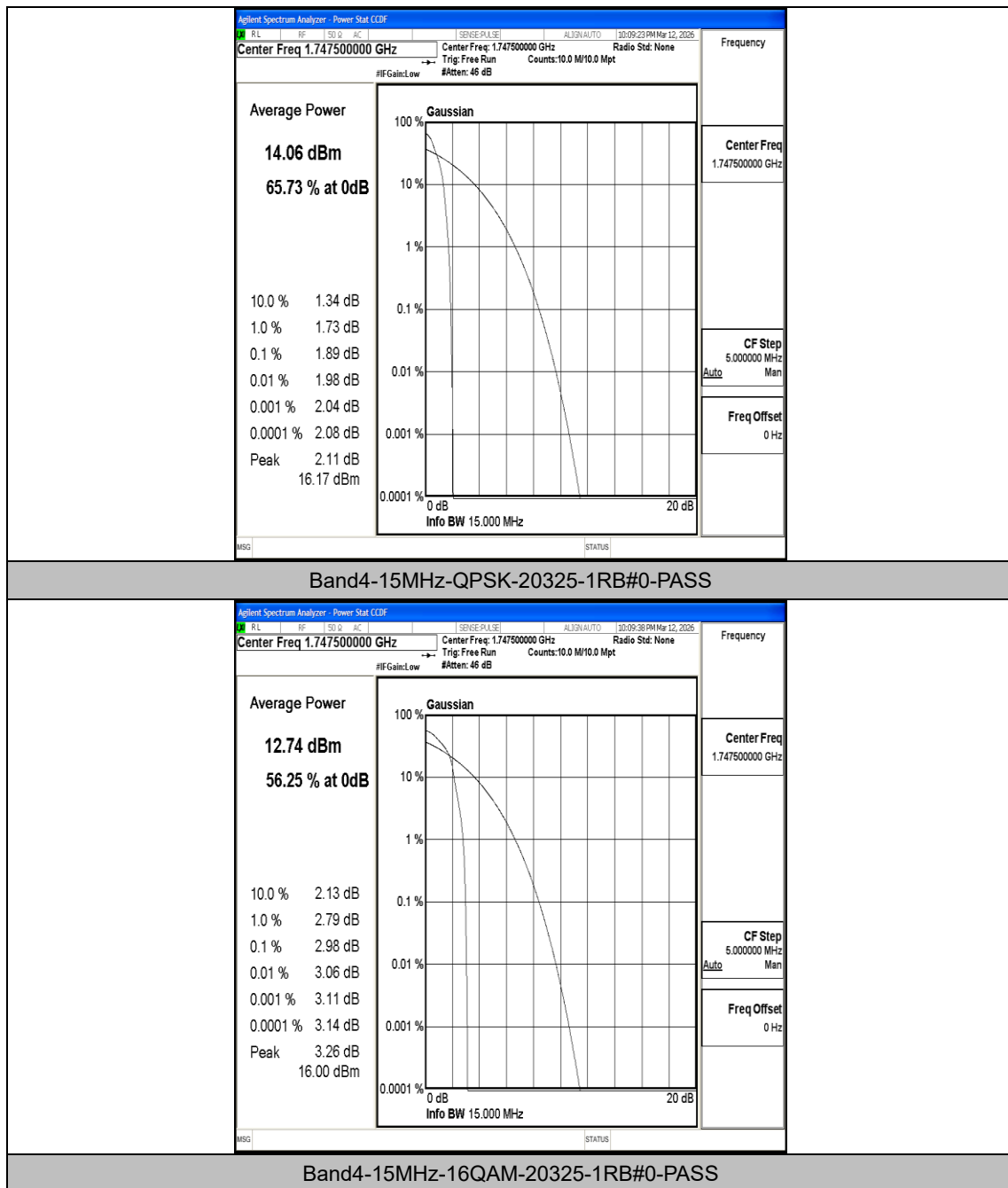


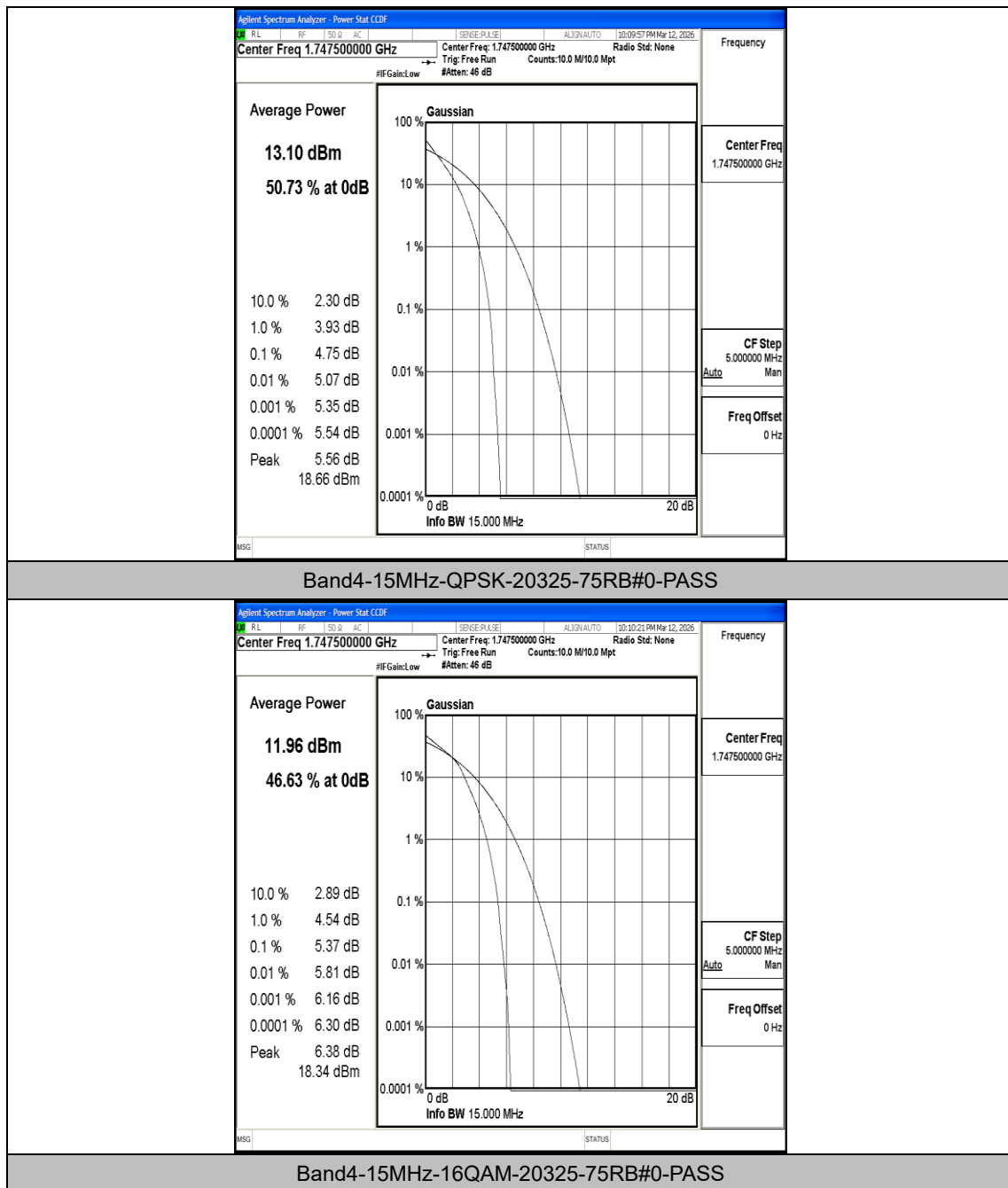


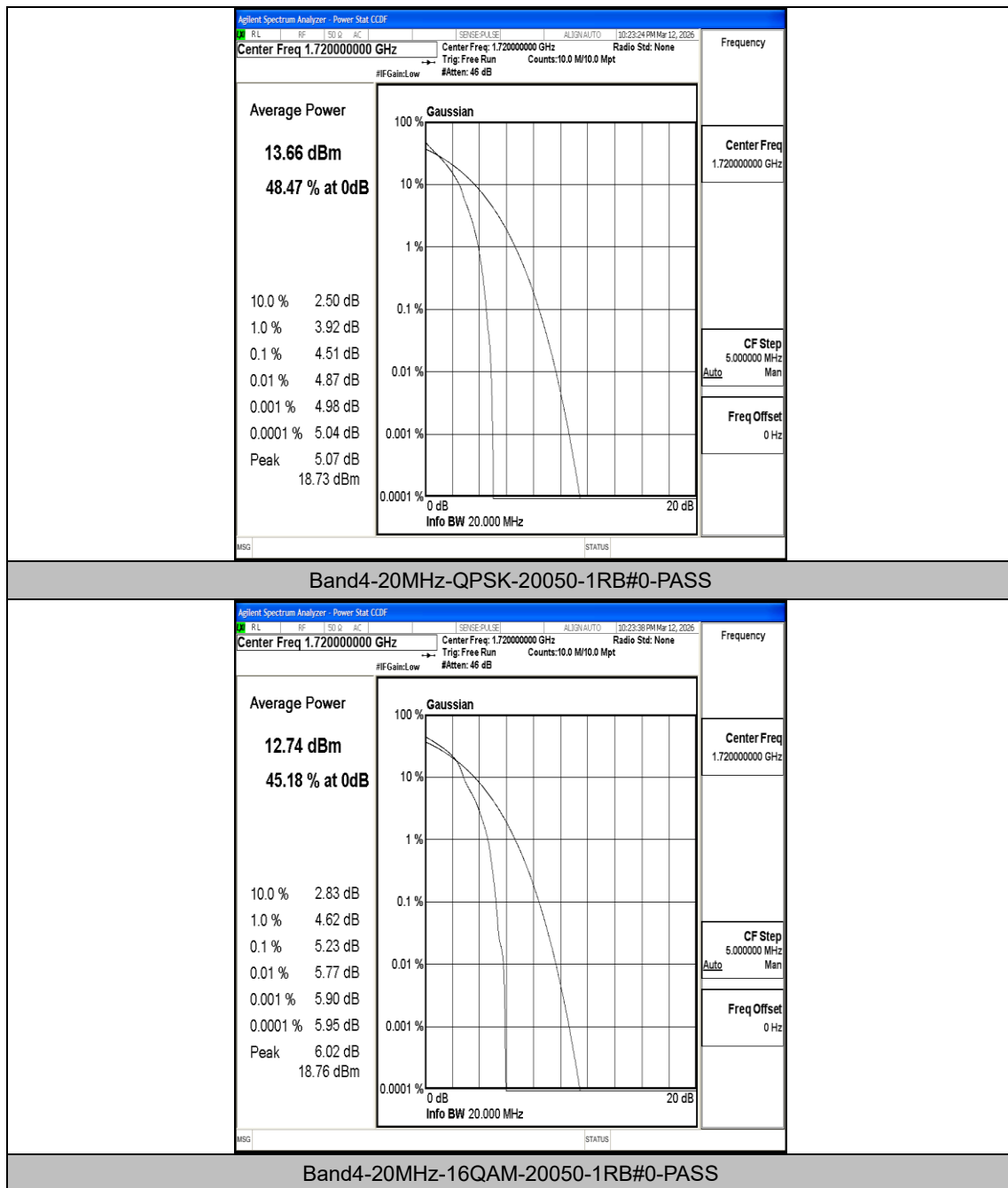


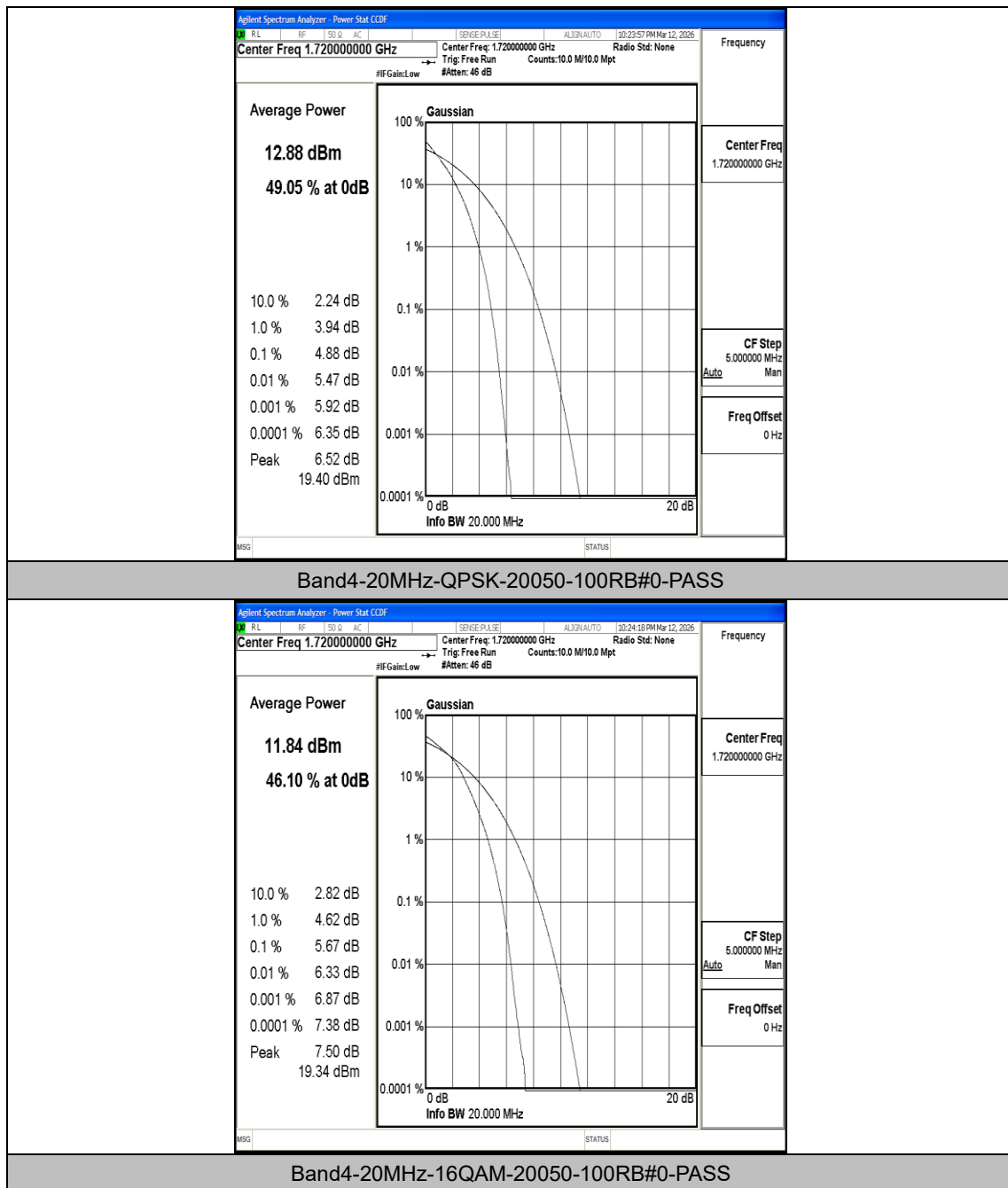


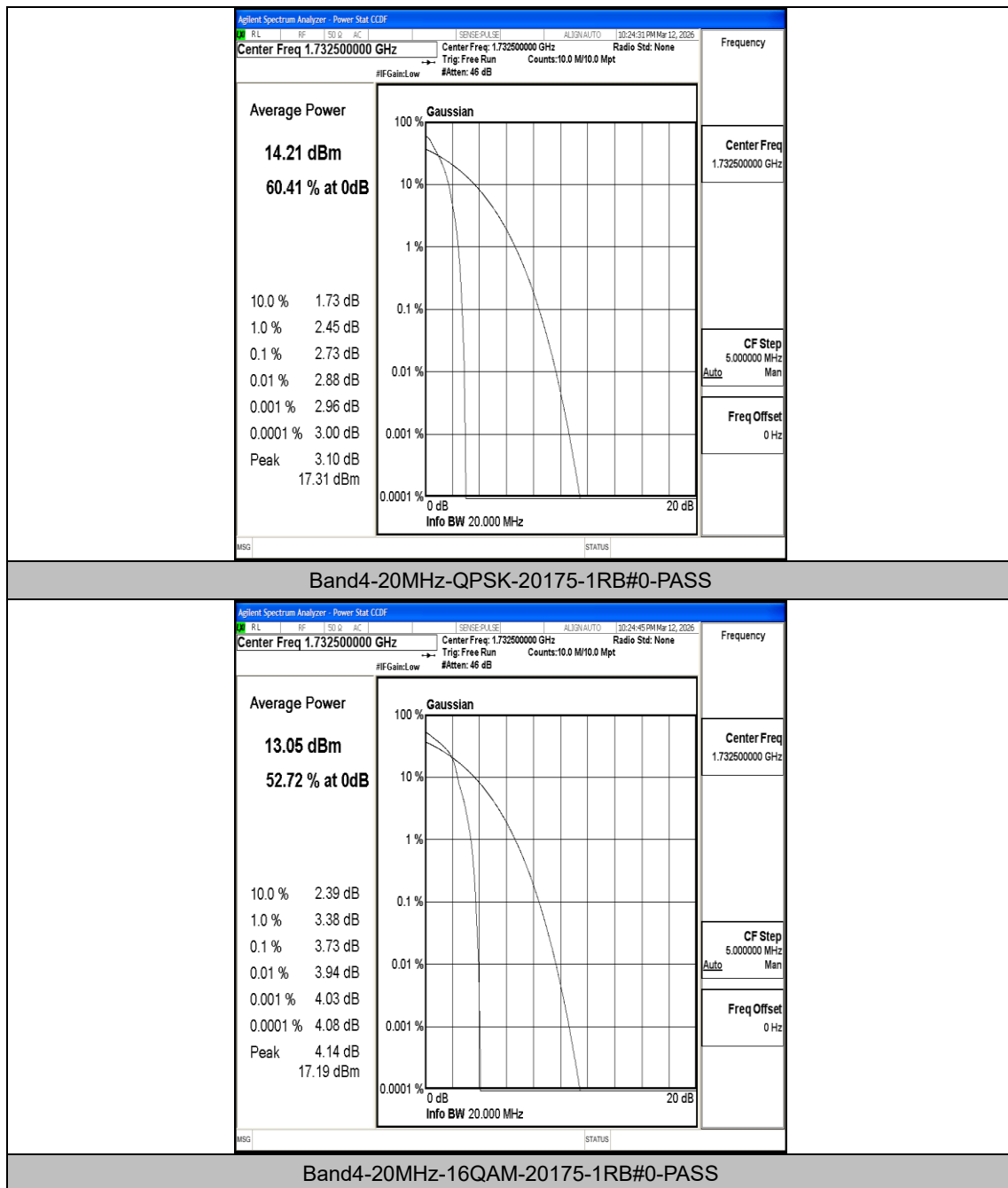


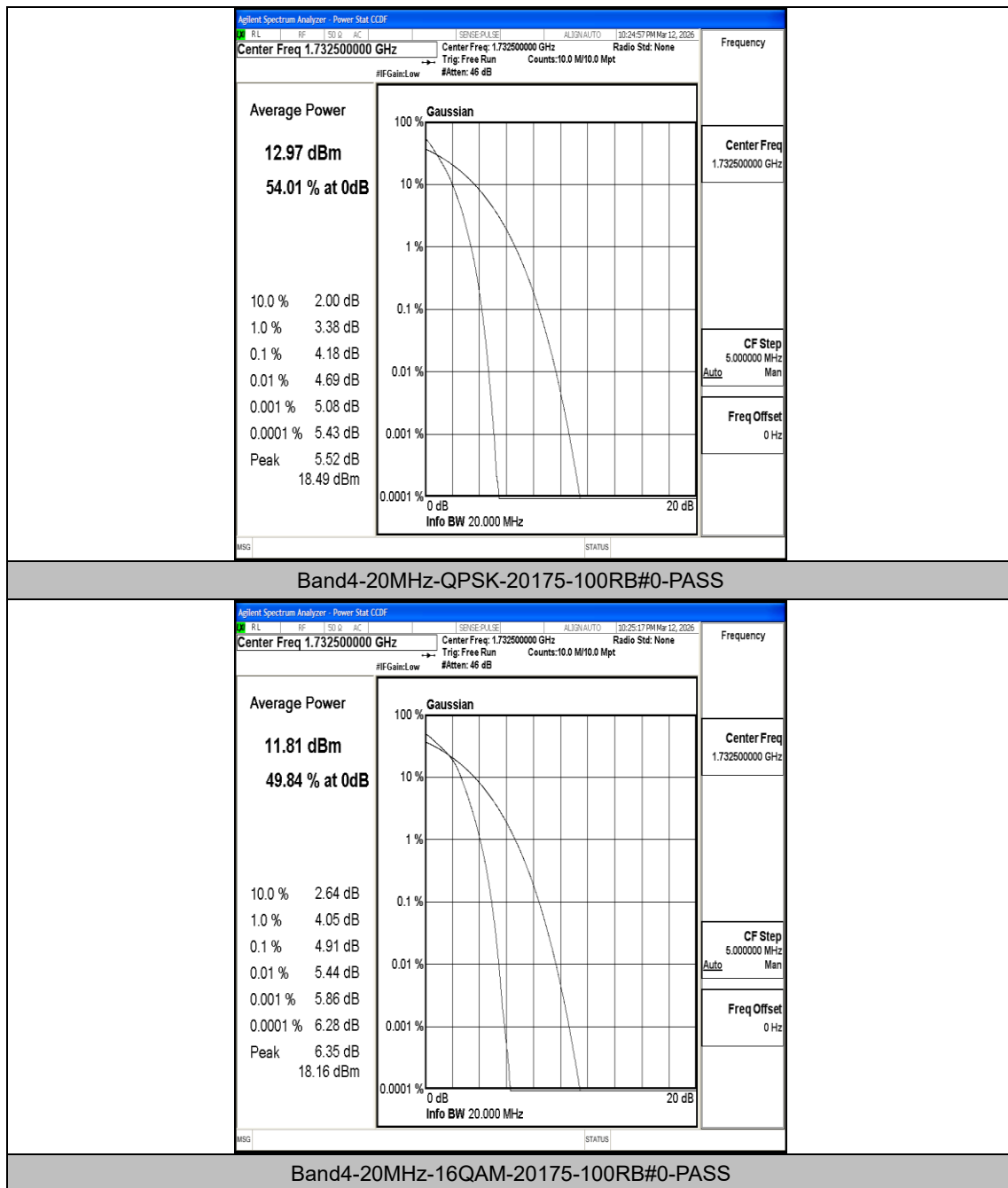


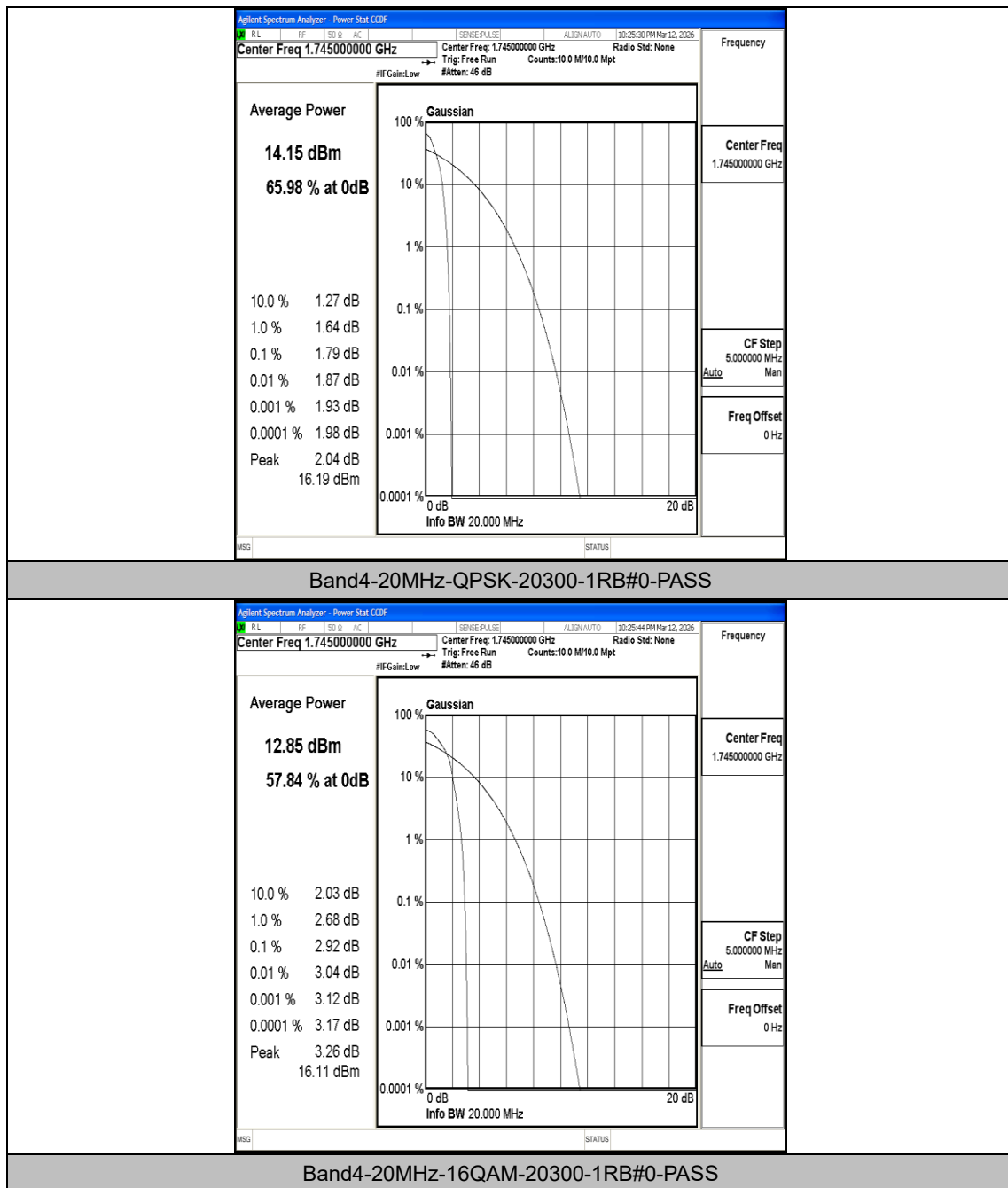


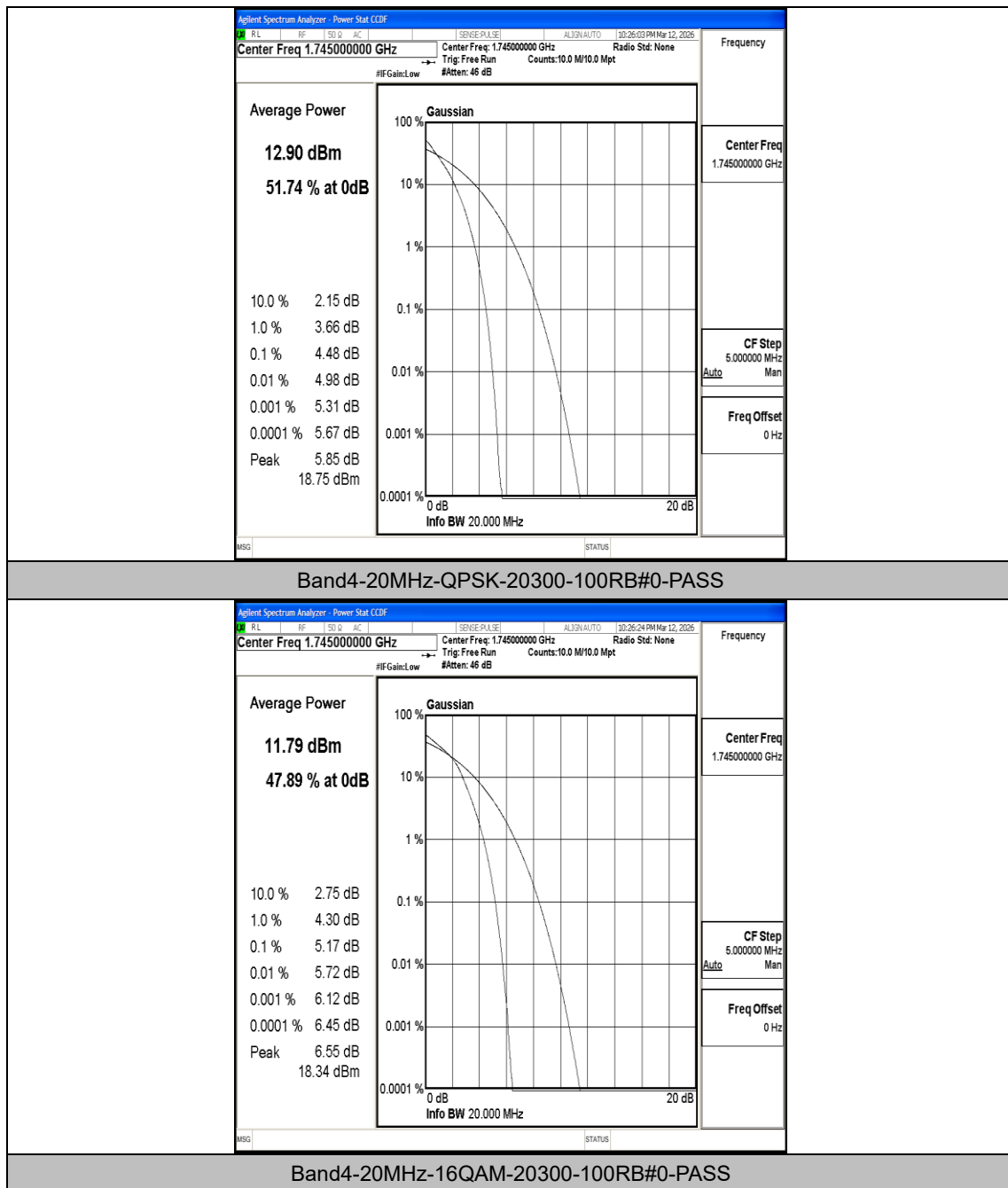










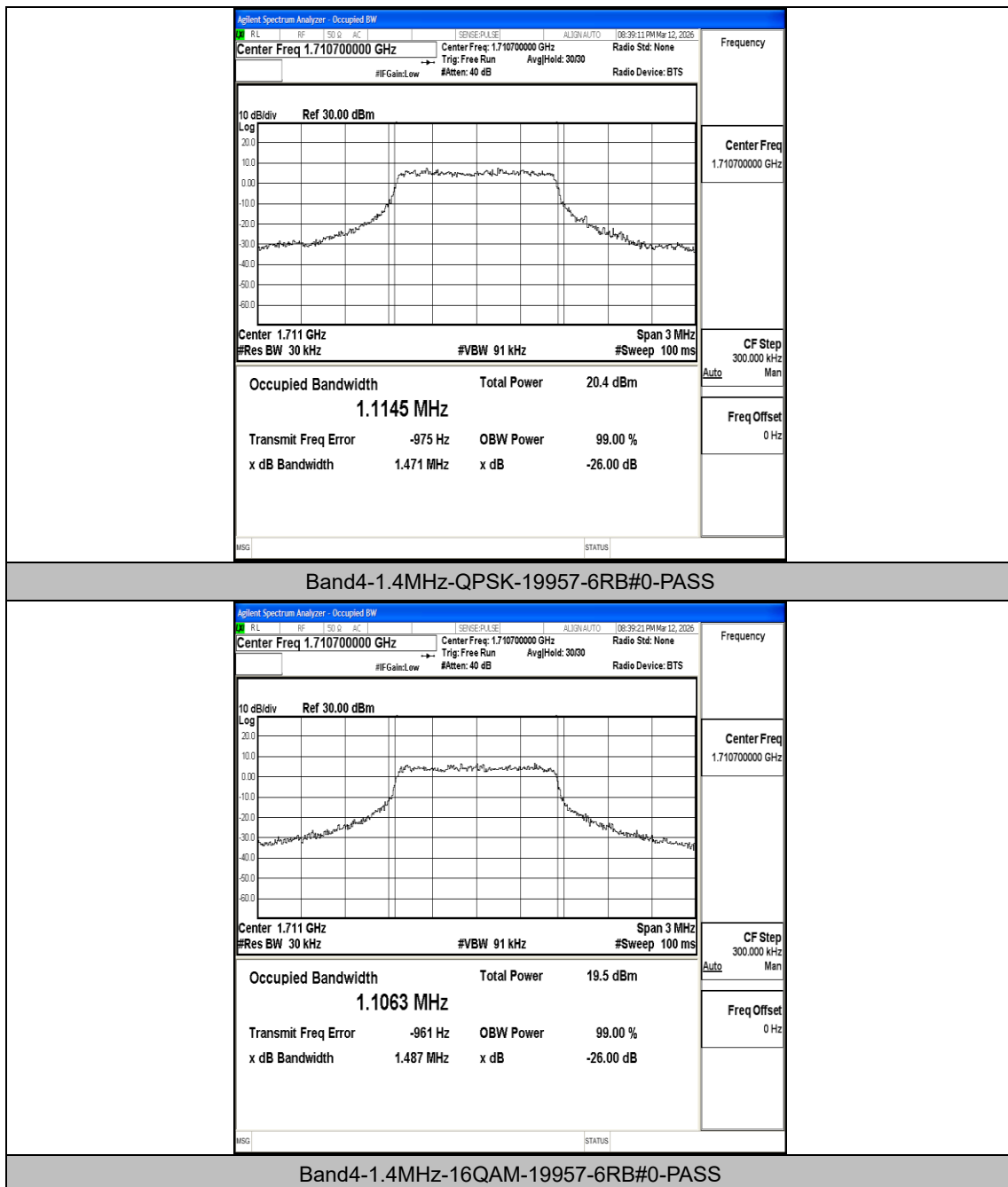


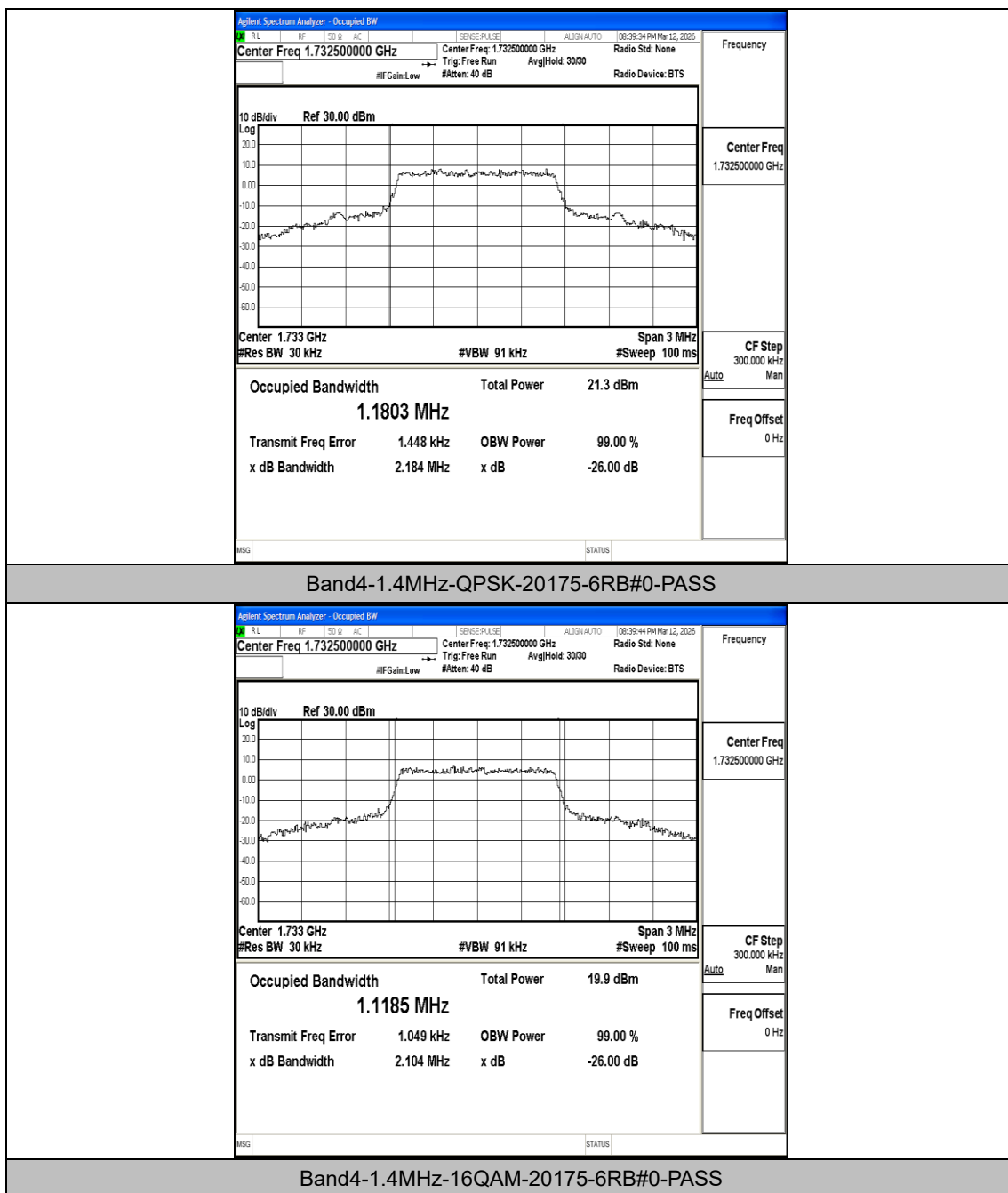
B 26dB Bandwidth and Occupied Bandwidth

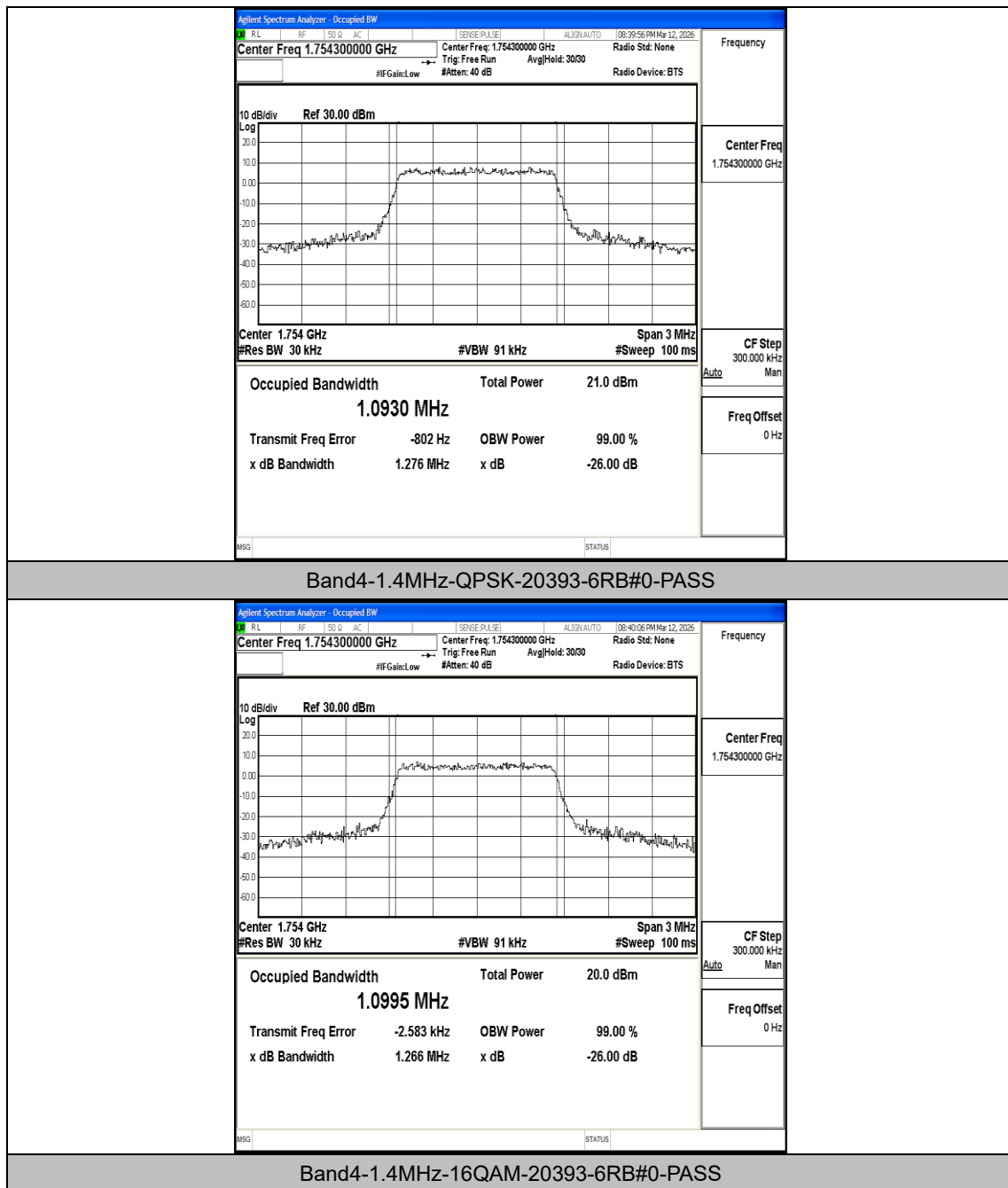
Test Result

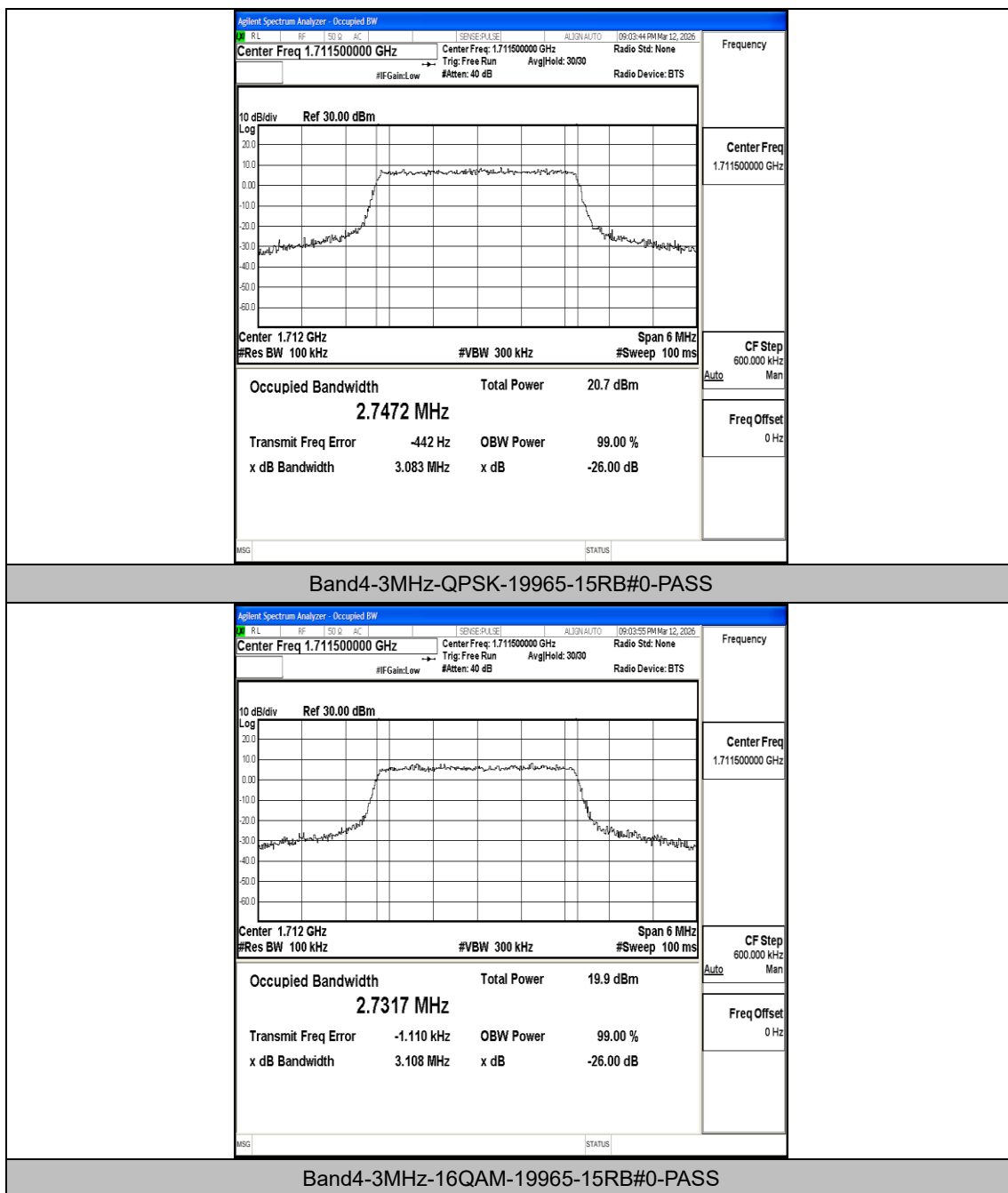
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.1145	1.471	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1063	1.487	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1803	2.184	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1185	2.104	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0930	1.276	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0995	1.266	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7472	3.083	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7317	3.108	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7874	4.532	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7591	4.526	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7364	3.035	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7353	3.018	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5264	5.116	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5237	5.061	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5791	8.119	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5663	6.565	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5273	5.094	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5313	5.028	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9881	9.929	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9838	9.842	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0600	13.50	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0470	12.96	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9868	9.919	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9901	9.915	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.510	14.95	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.481	14.86	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.645	23.81	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.570	19.58	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.548	17.14	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.545	15.06	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.980	19.66	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.001	19.71	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.070	25.14	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.041	26.16	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.042	24.47	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.022	22.63	PASS

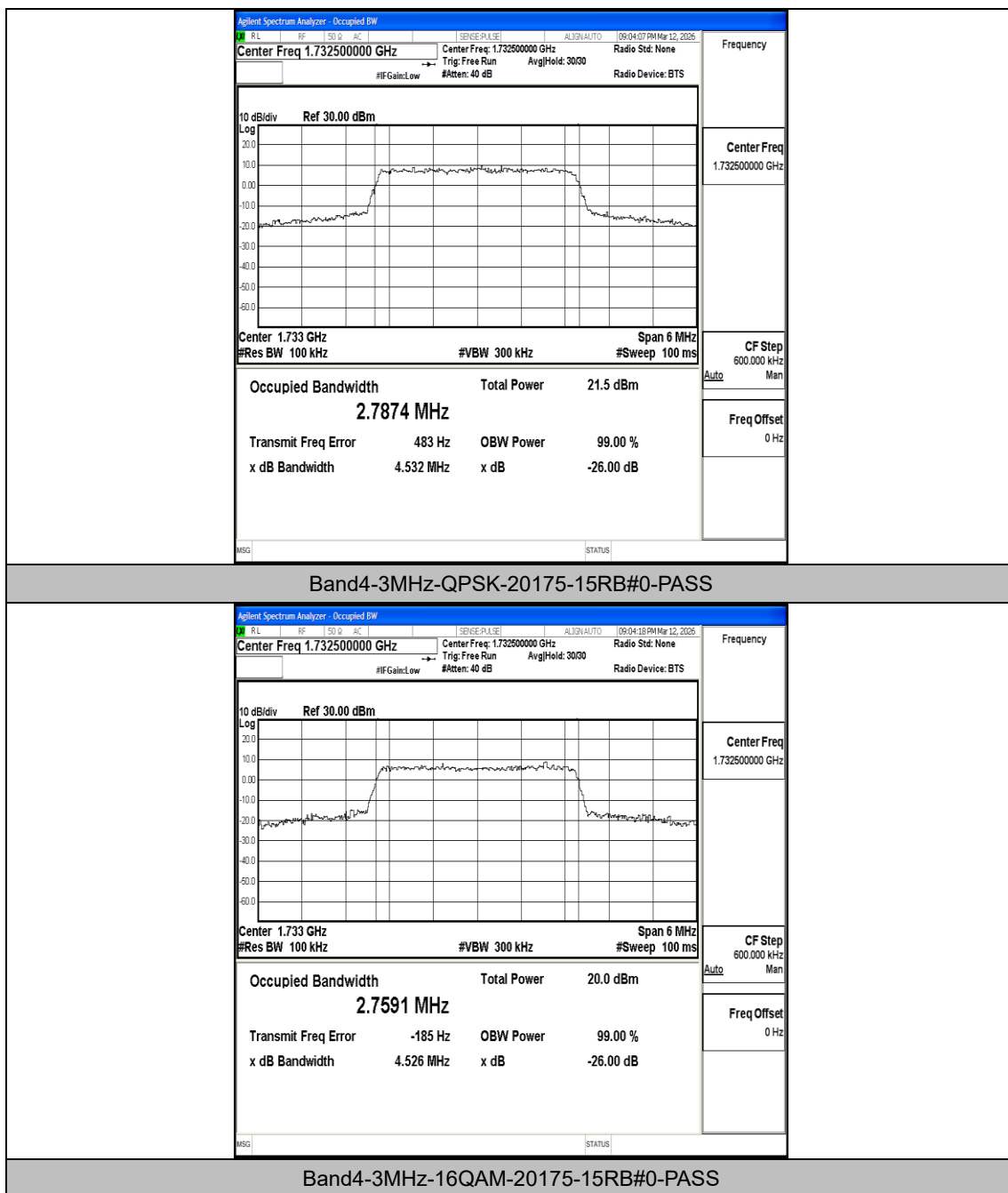
Test Graphs

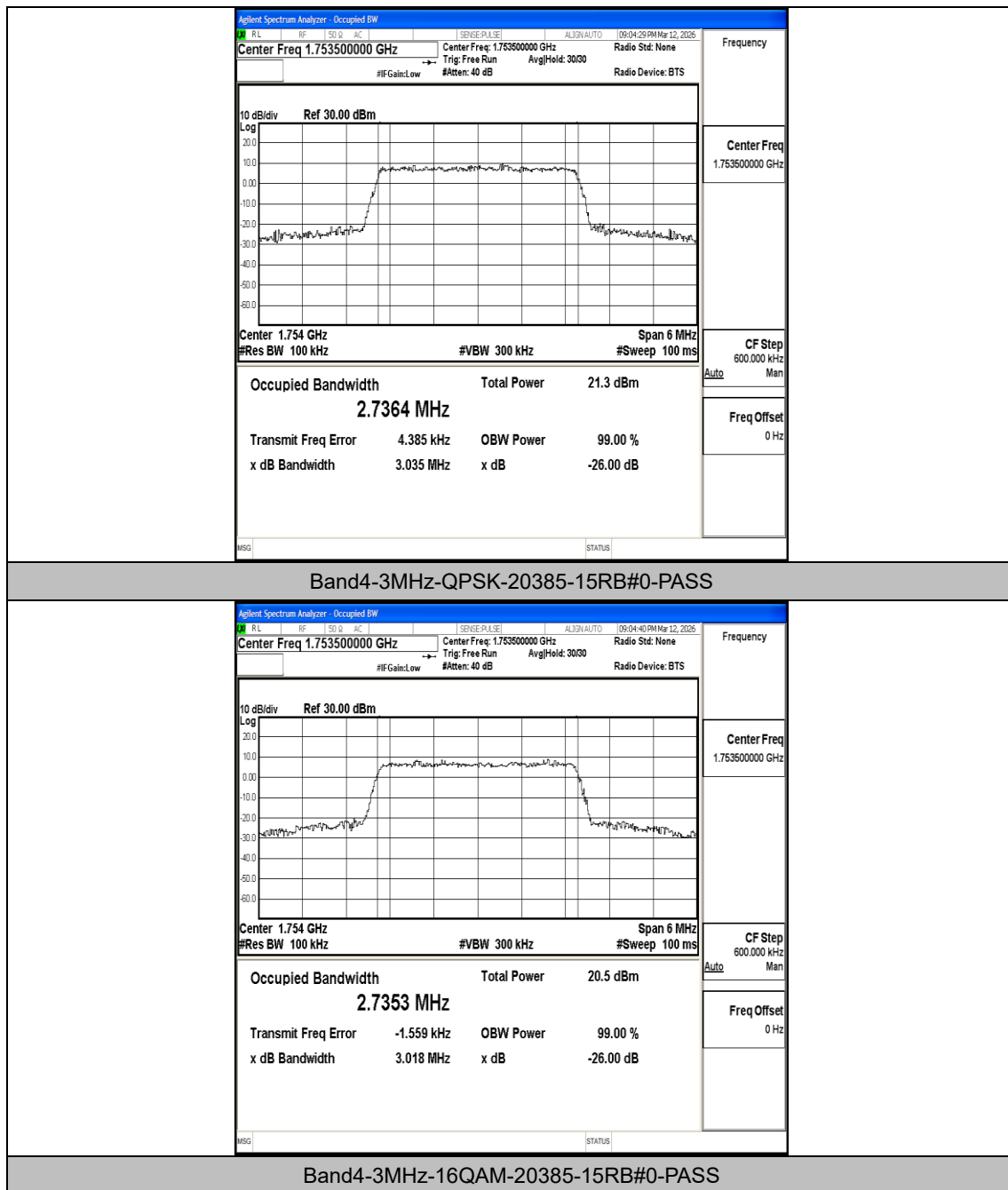


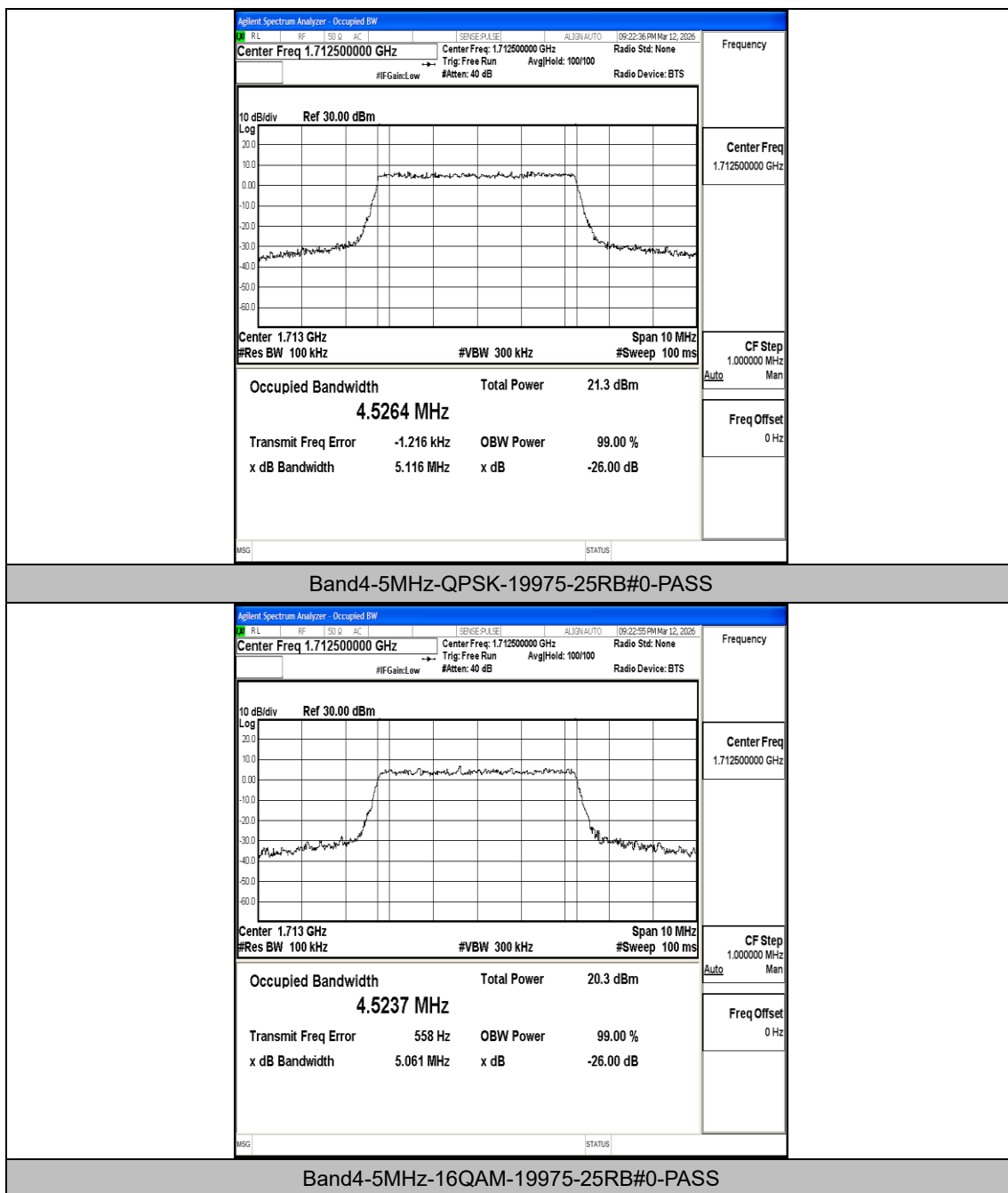


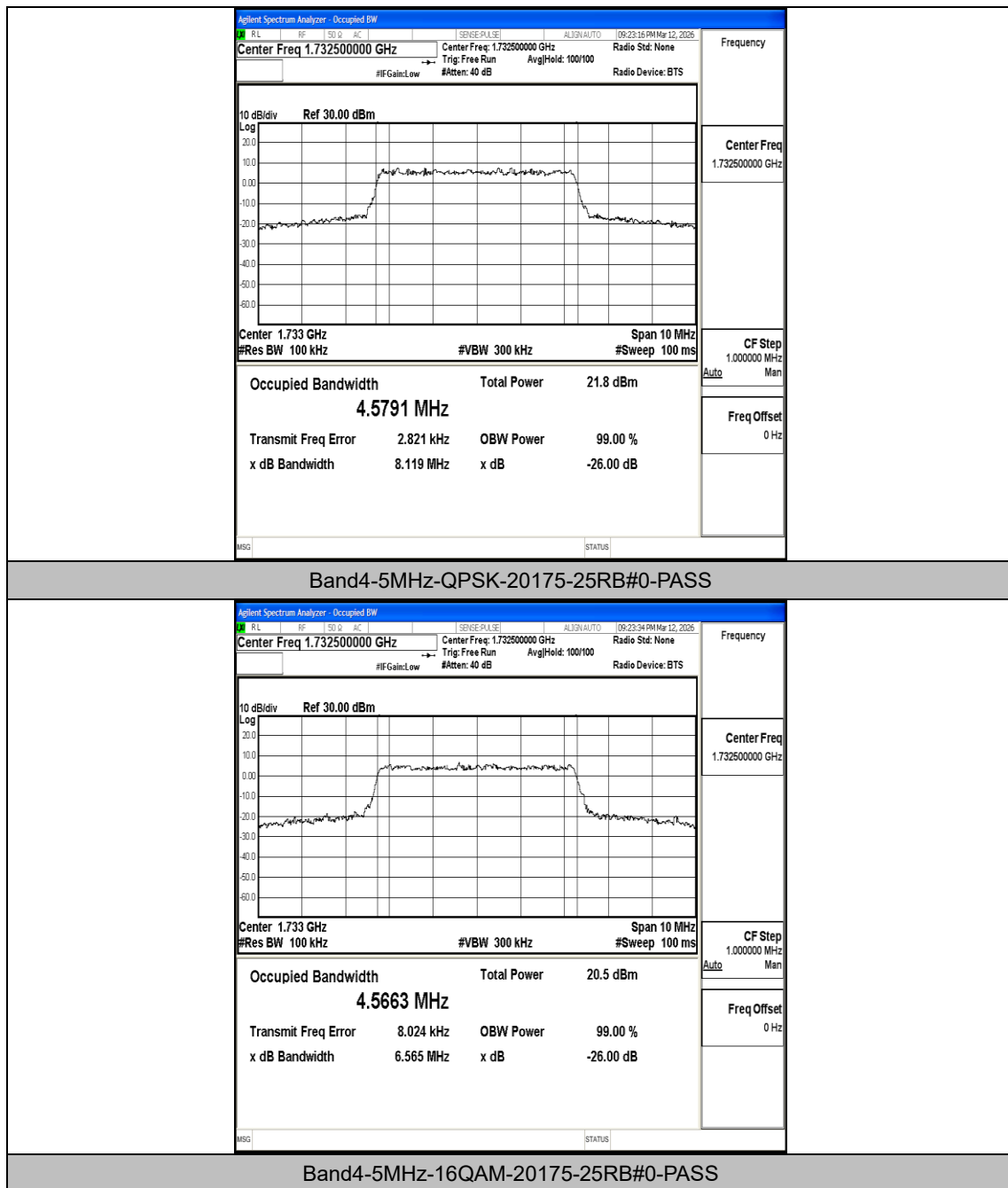


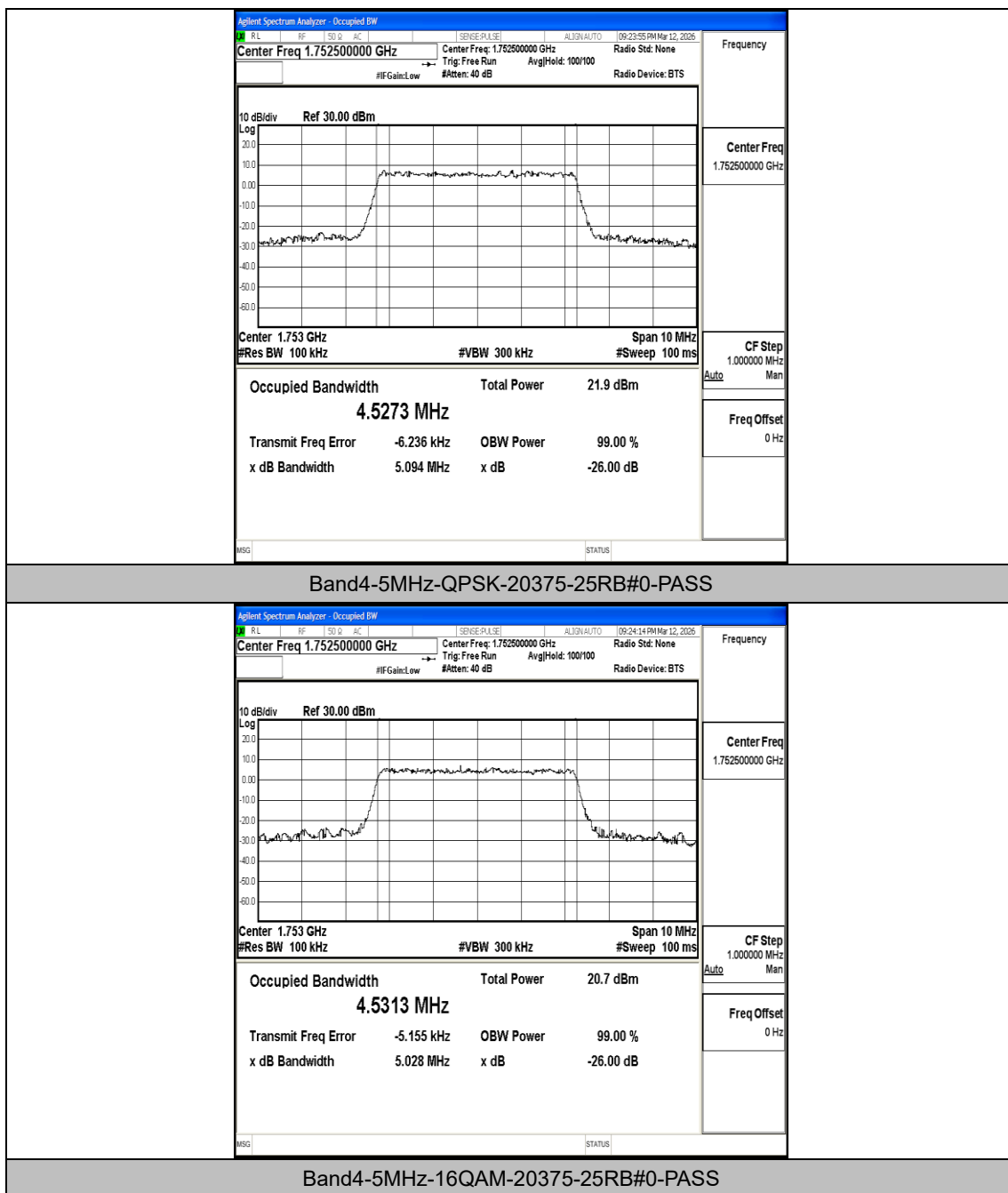


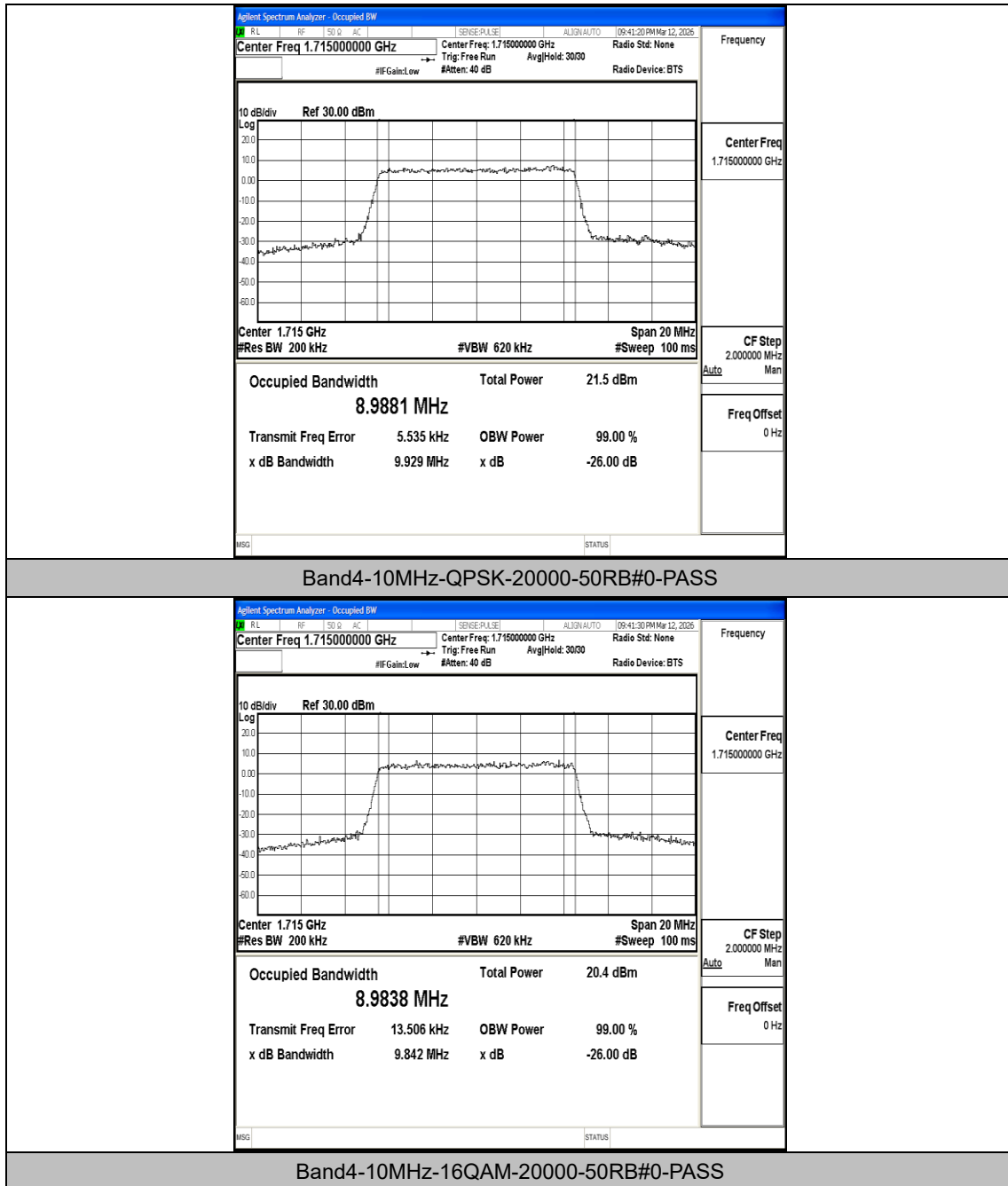


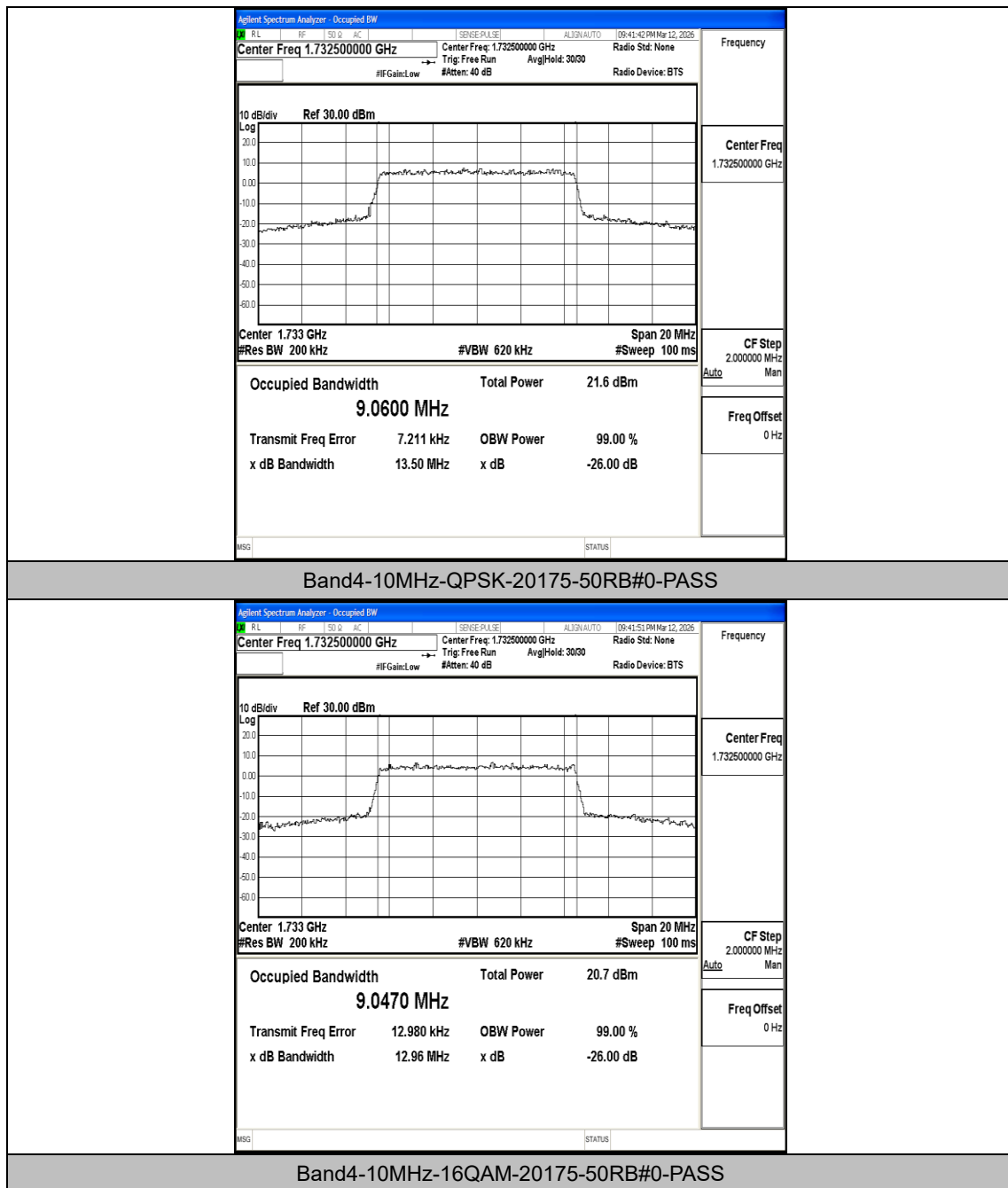


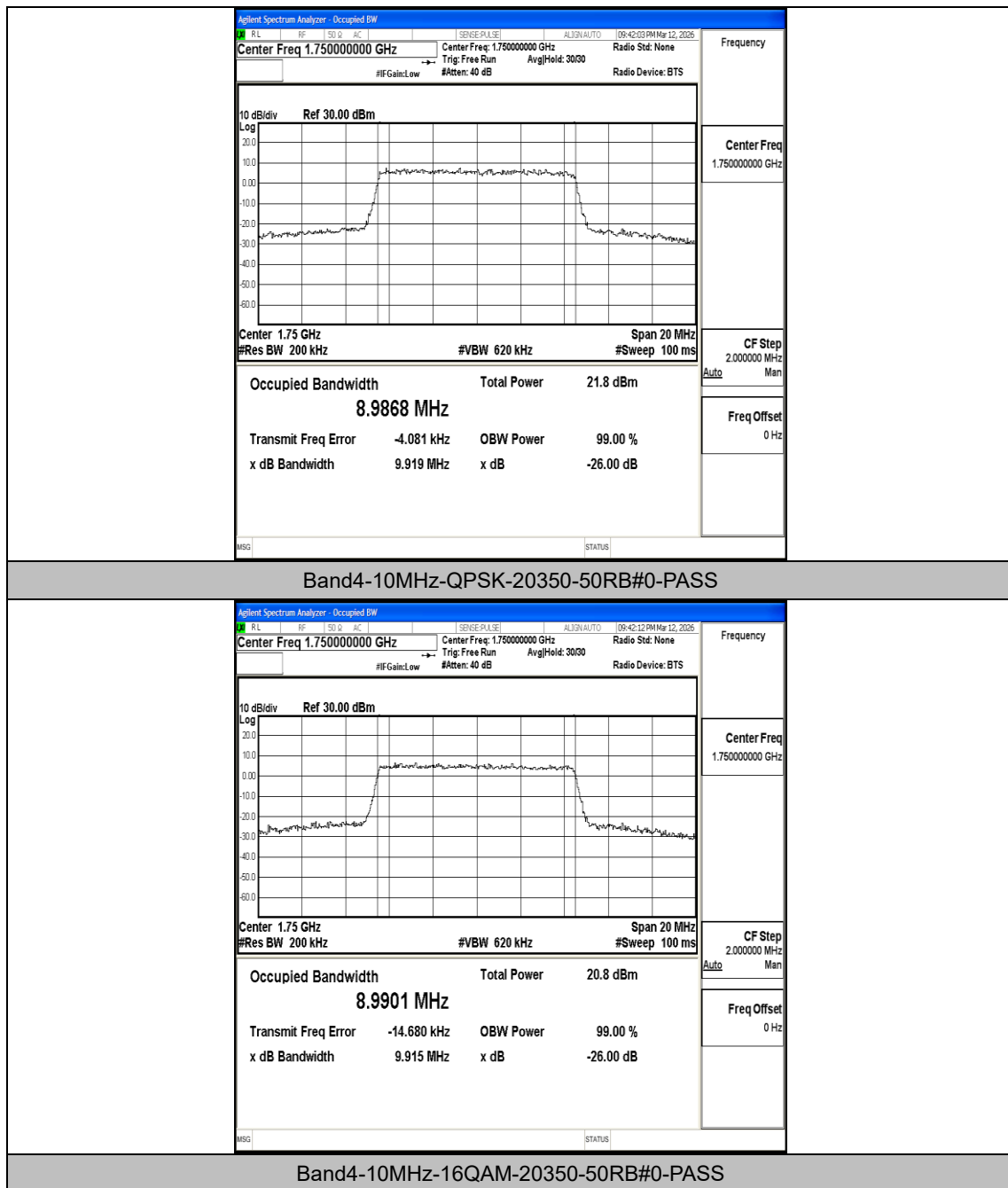


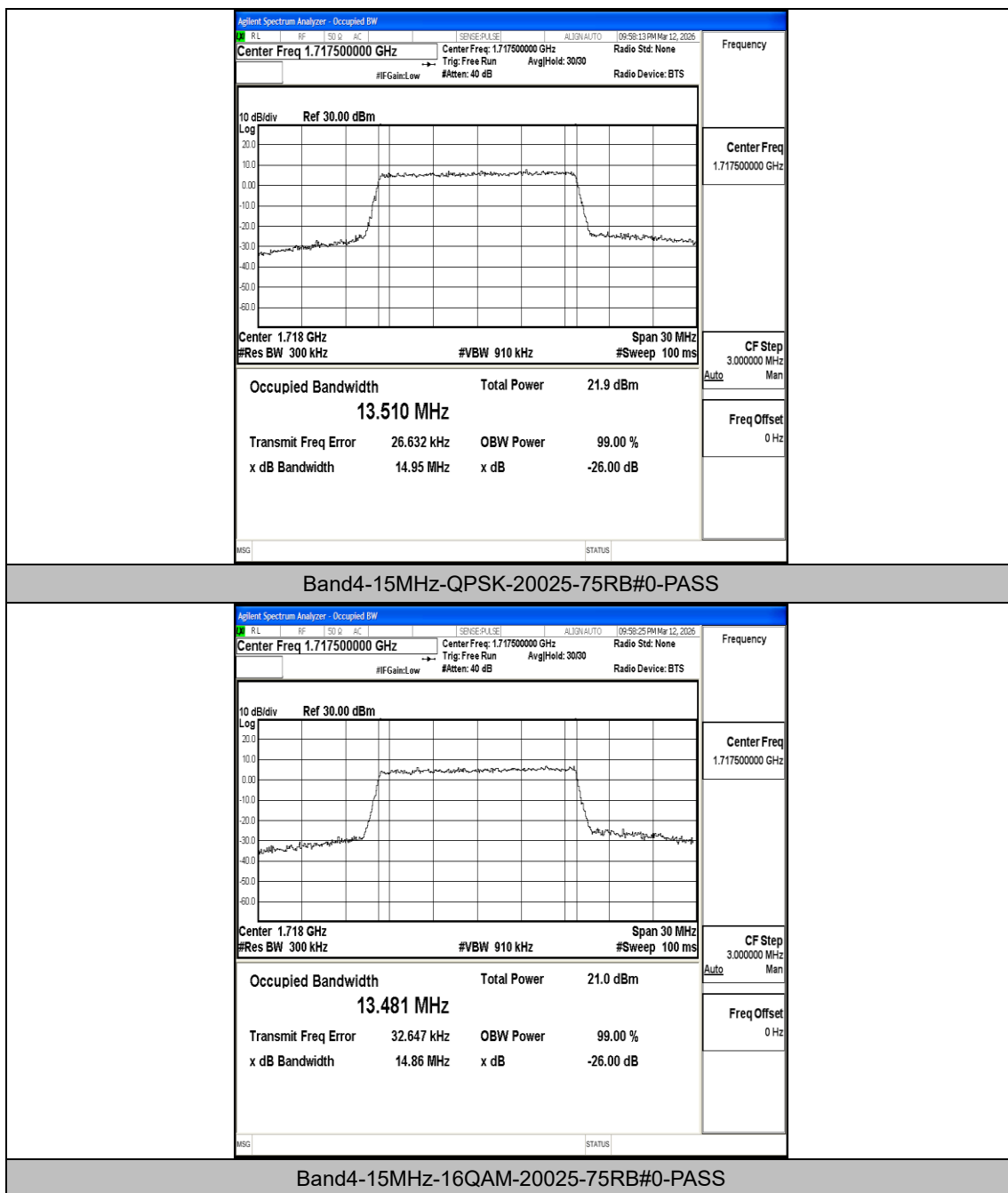


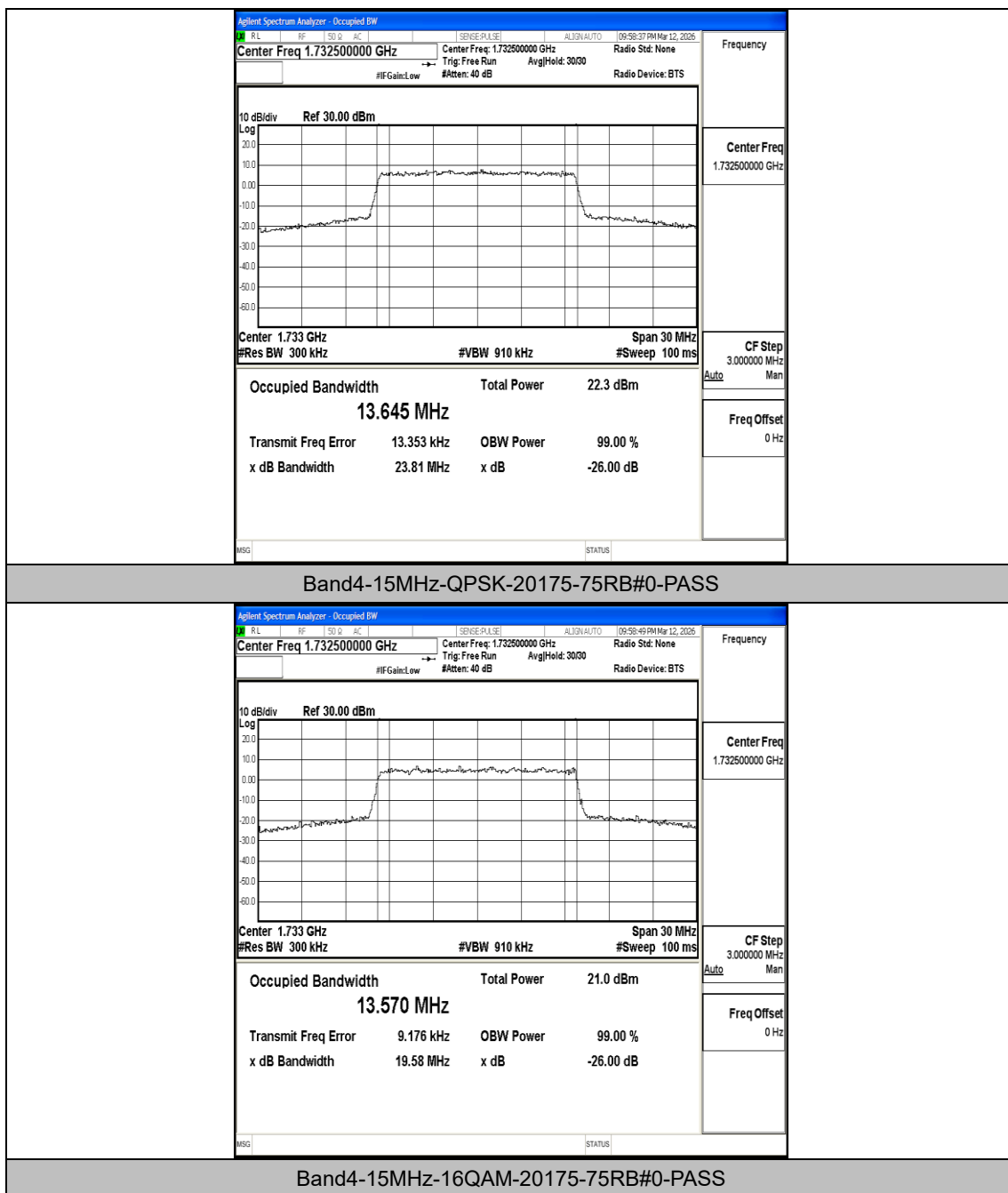


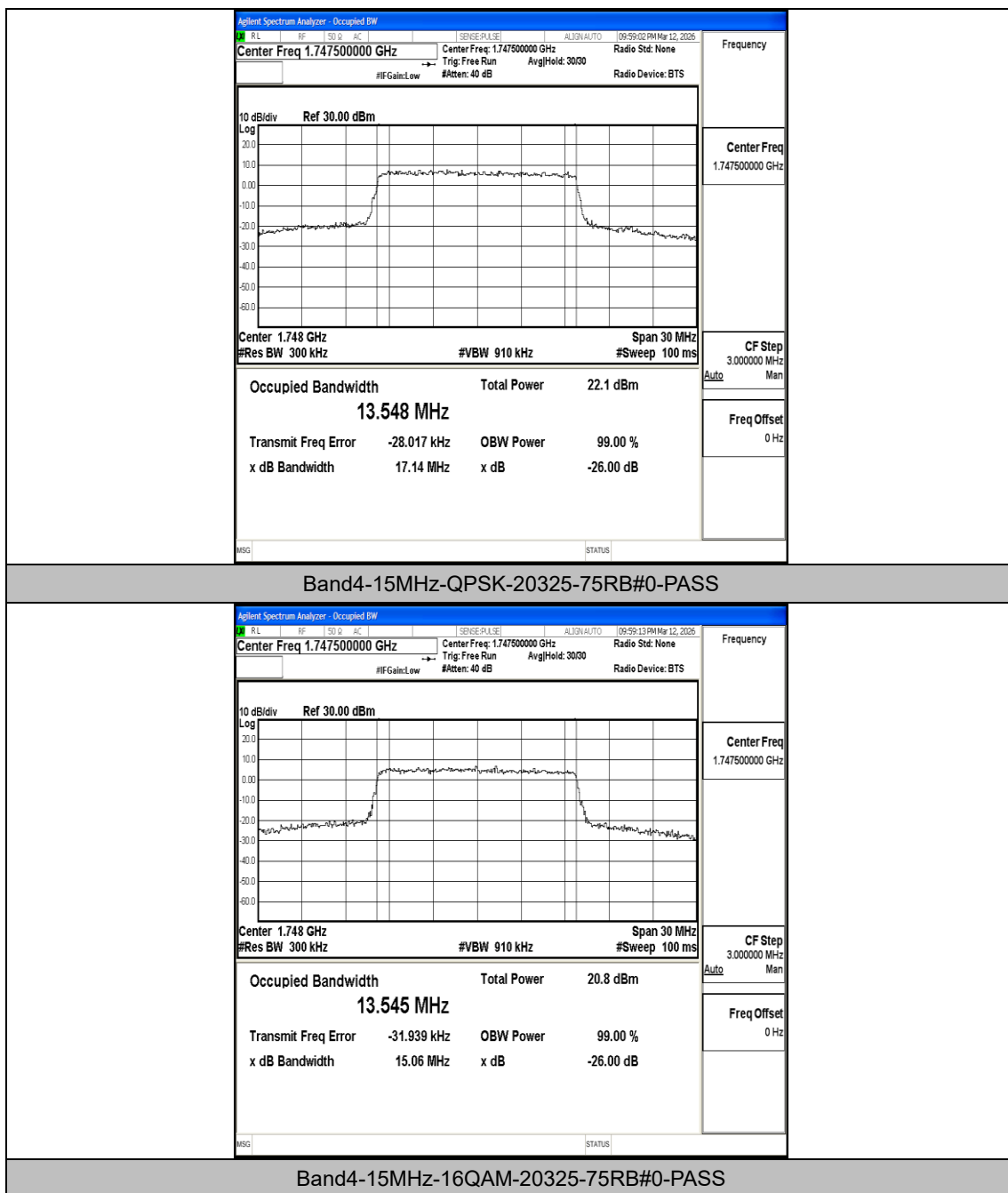


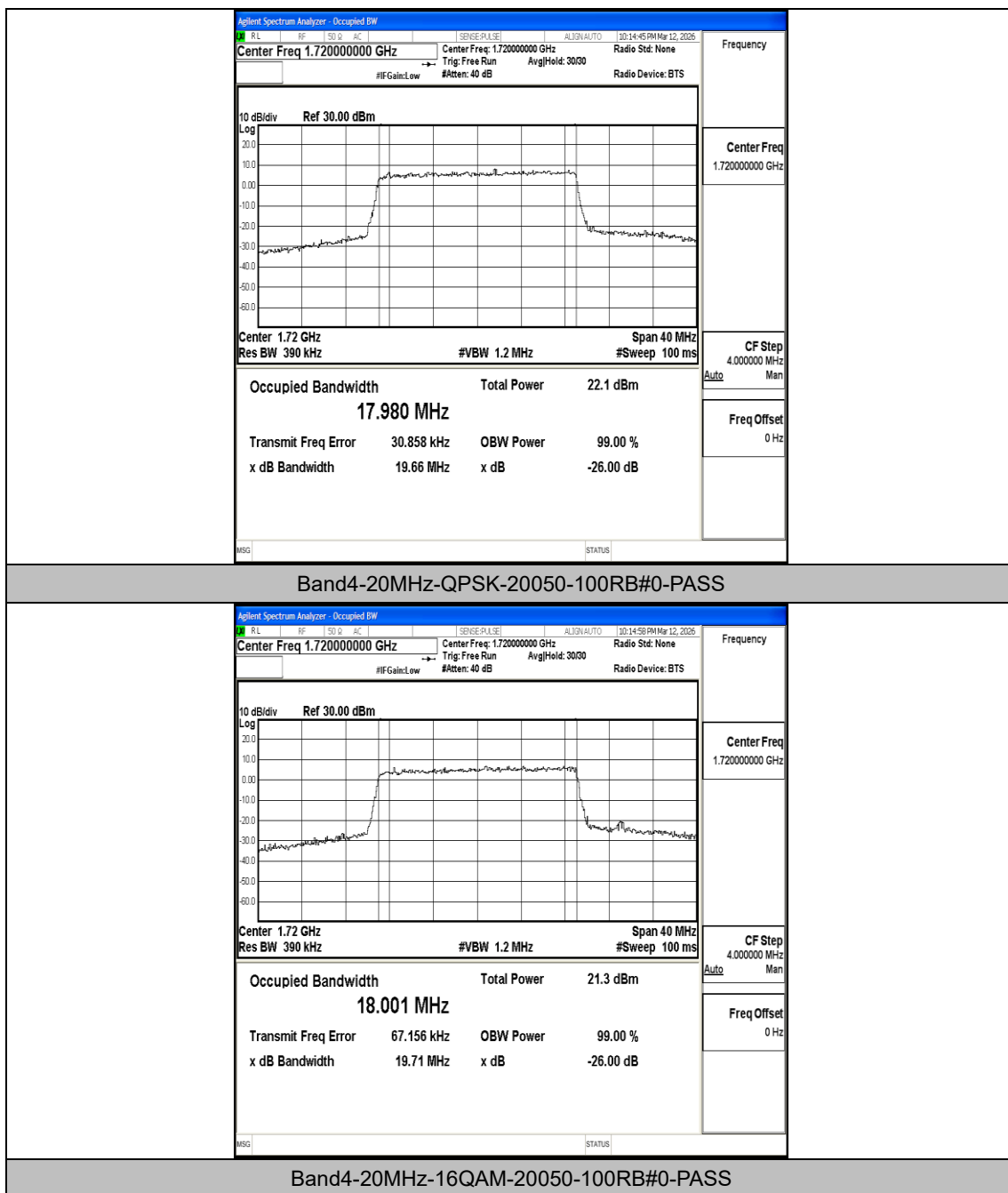


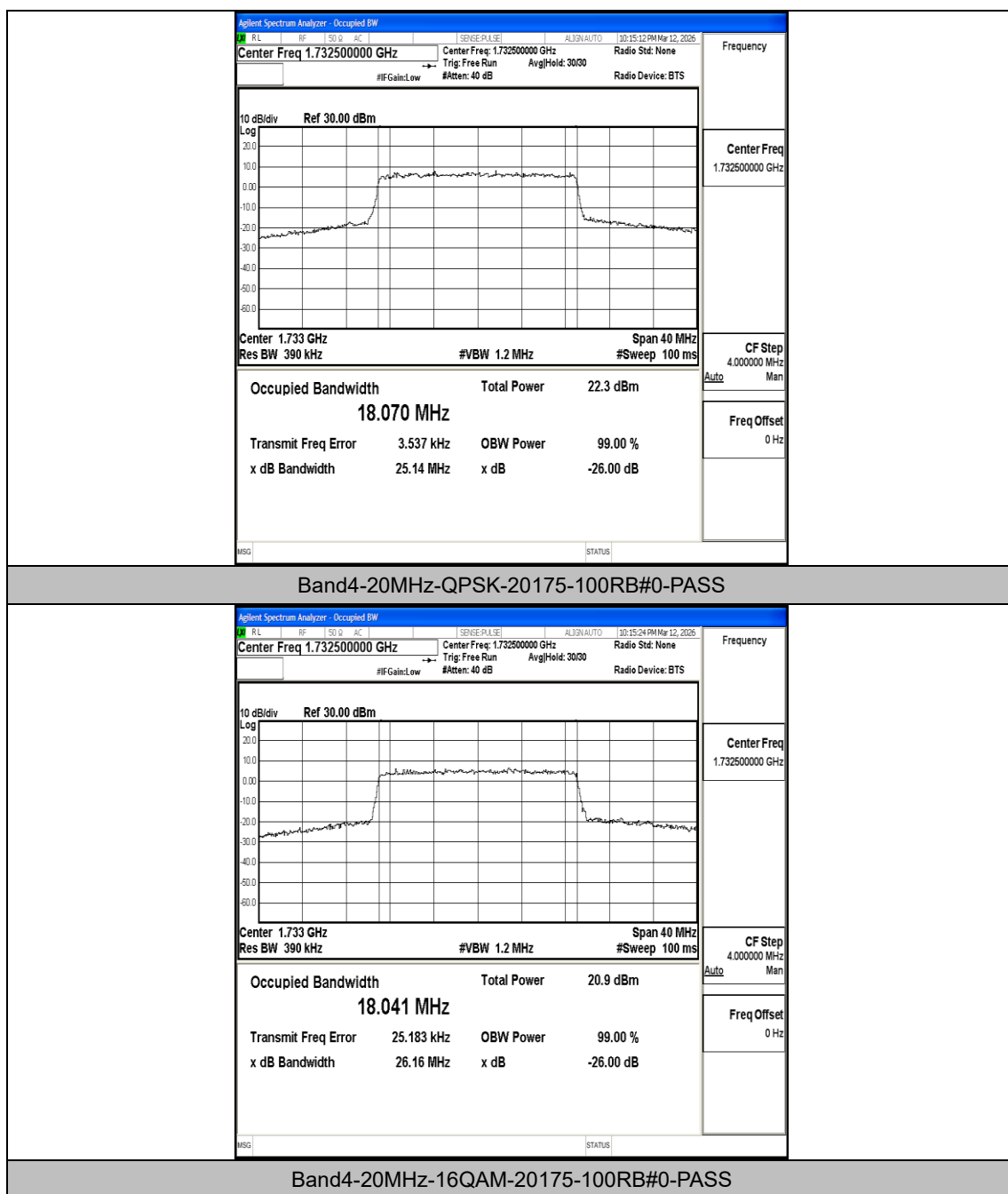


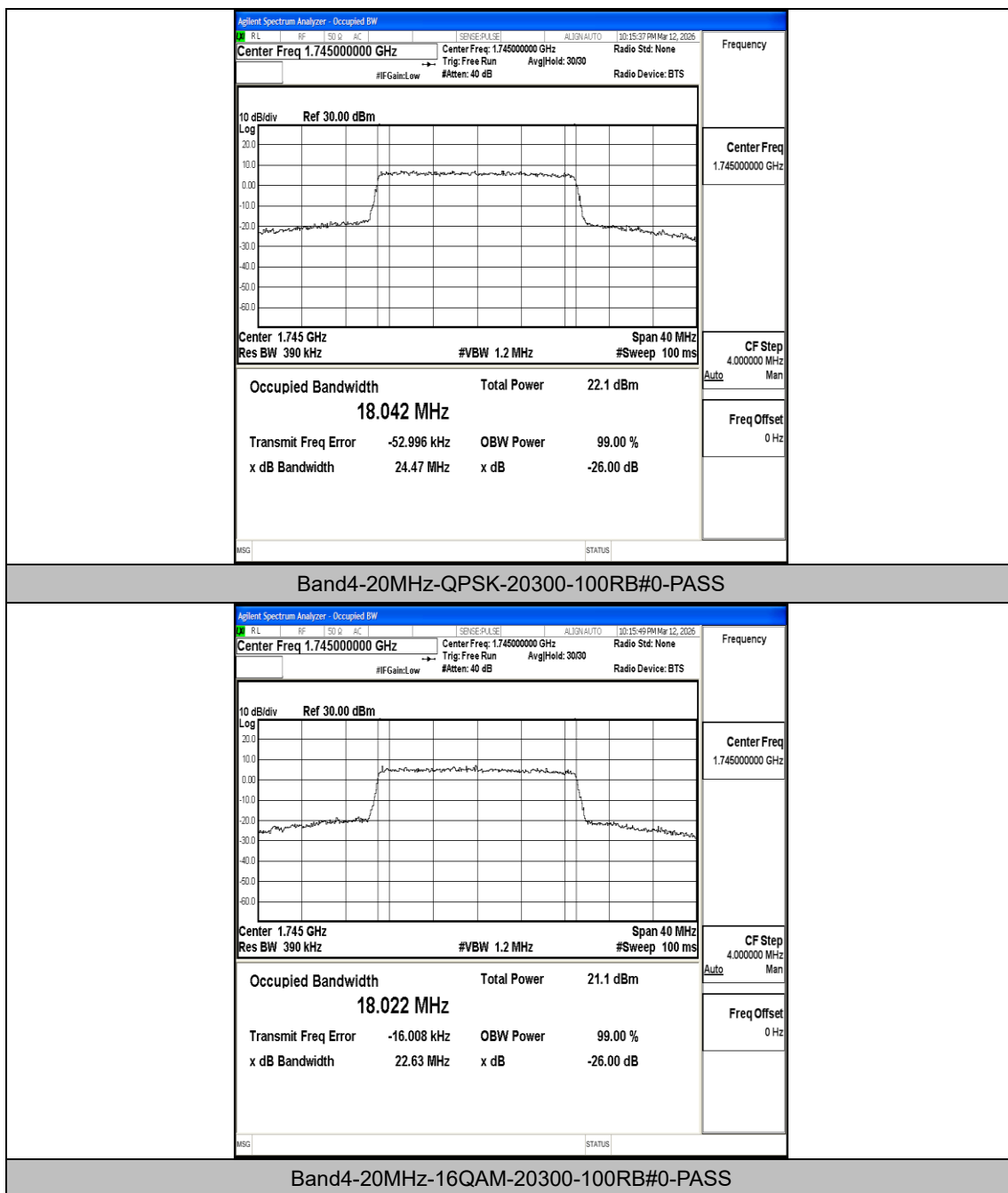










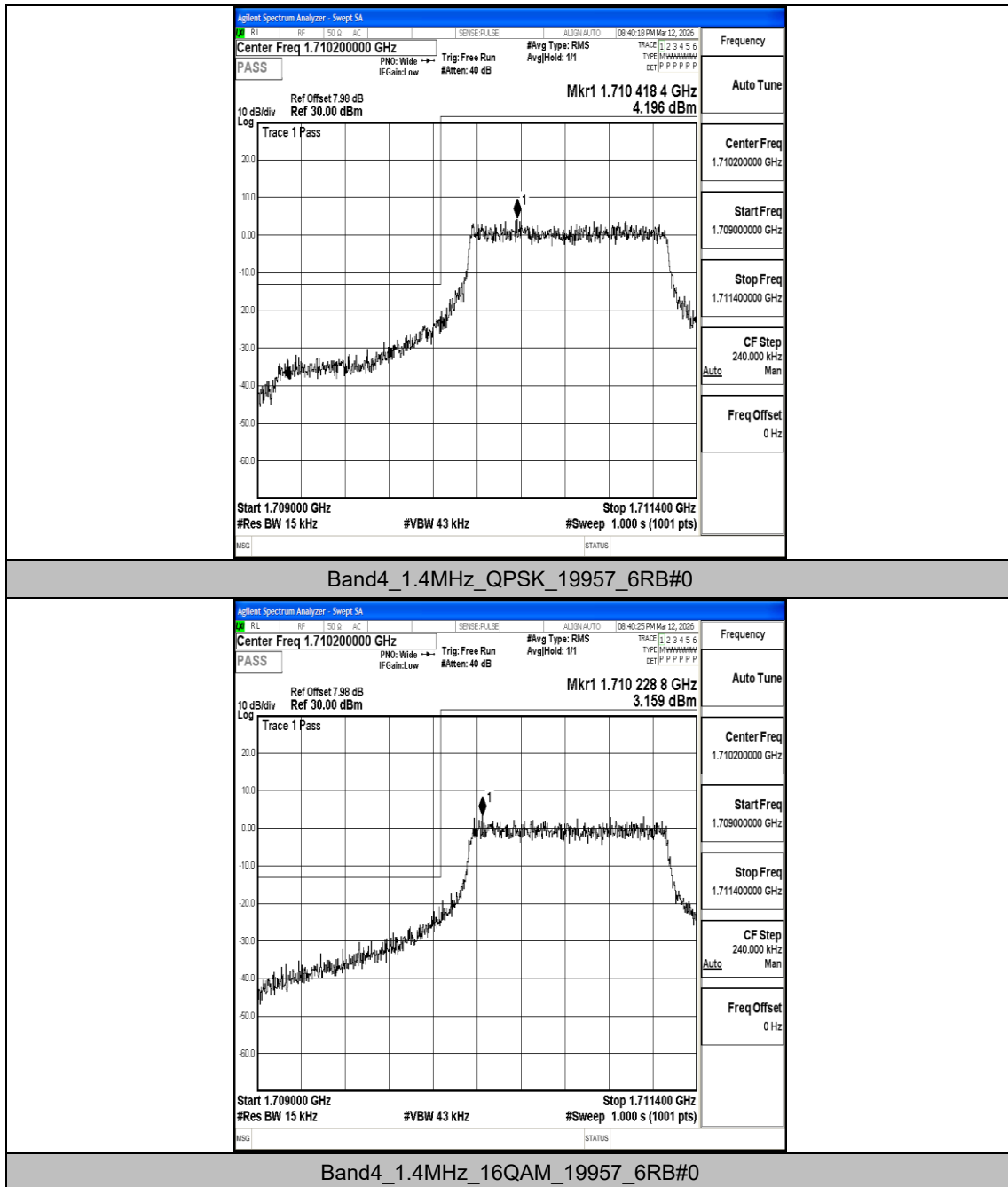


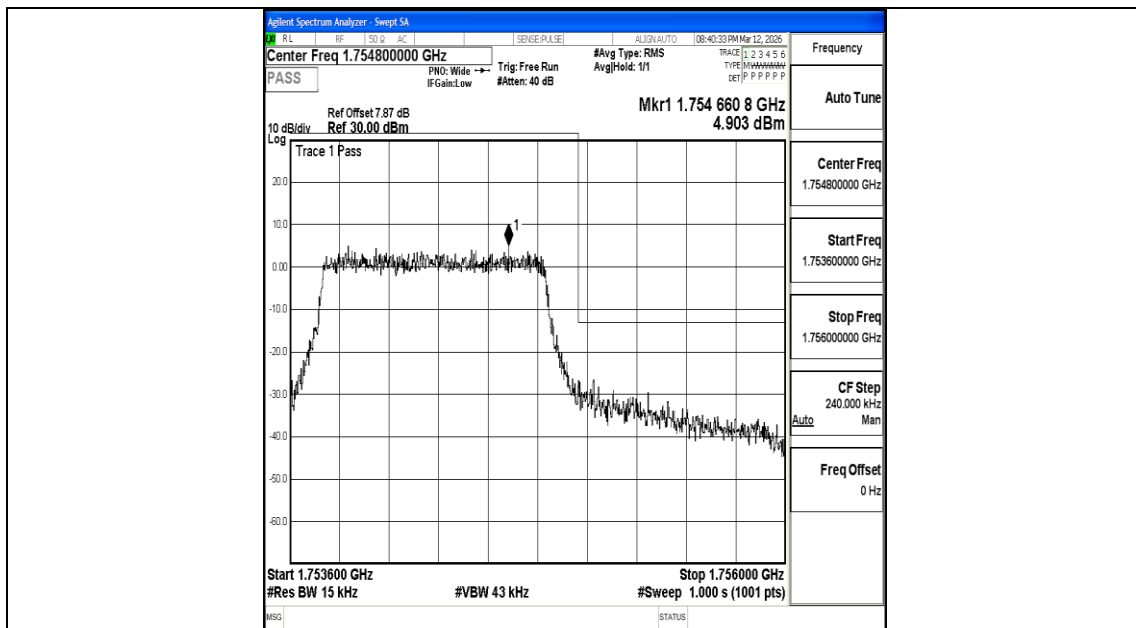
C Band Edge

Test Result

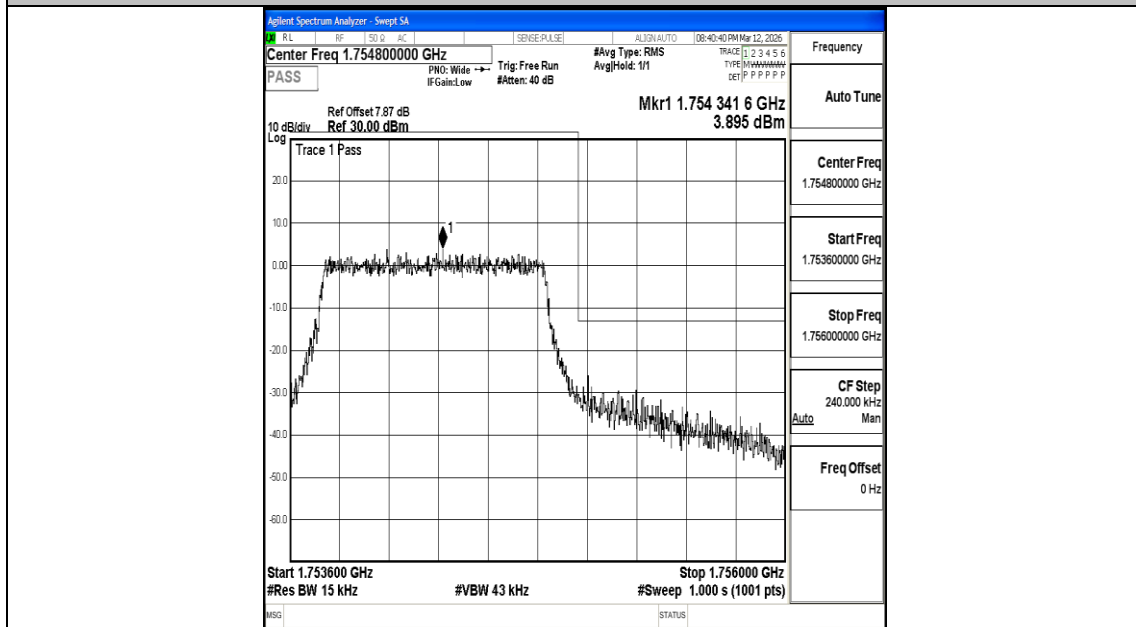
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1709.98	-22.51	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1709.99	-20.90	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1755.07	-26.58	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1755.04	-25.90	PASS
Band4	3MHz	QPSK	19965	15RB#0	1710.00	-22.97	PASS
Band4	3MHz	16QAM	19965	15RB#0	1710.00	-25.27	PASS
Band4	3MHz	QPSK	20385	15RB#0	1755.02	-25.79	PASS
Band4	3MHz	16QAM	20385	15RB#0	1755.04	-28.39	PASS
Band4	5MHz	QPSK	19975	25RB#0	1710.00	-24.01	PASS
Band4	5MHz	16QAM	19975	25RB#0	1709.98	-25.98	PASS
Band4	5MHz	QPSK	20375	25RB#0	1755.00	-22.02	PASS
Band4	5MHz	16QAM	20375	25RB#0	1755.00	-22.53	PASS
Band4	10MHz	QPSK	20000	50RB#0	1709.98	-24.96	PASS
Band4	10MHz	16QAM	20000	50RB#0	1709.99	-29.30	PASS
Band4	10MHz	QPSK	20350	50RB#0	1755.05	-25.02	PASS
Band4	10MHz	16QAM	20350	50RB#0	1755.07	-25.34	PASS
Band4	15MHz	QPSK	20025	75RB#0	1709.98	-27.44	PASS
Band4	15MHz	16QAM	20025	75RB#0	1709.98	-29.31	PASS
Band4	15MHz	QPSK	20325	75RB#0	1755.54	-22.60	PASS
Band4	15MHz	16QAM	20325	75RB#0	1755.38	-23.86	PASS
Band4	20MHz	QPSK	20050	100RB#0	1709.74	-27.86	PASS
Band4	20MHz	16QAM	20050	100RB#0	1709.88	-29.27	PASS
Band4	20MHz	QPSK	20300	100RB#0	1755.01	-20.21	PASS
Band4	20MHz	16QAM	20300	100RB#0	1755.79	-23.40	PASS

Test Graphs

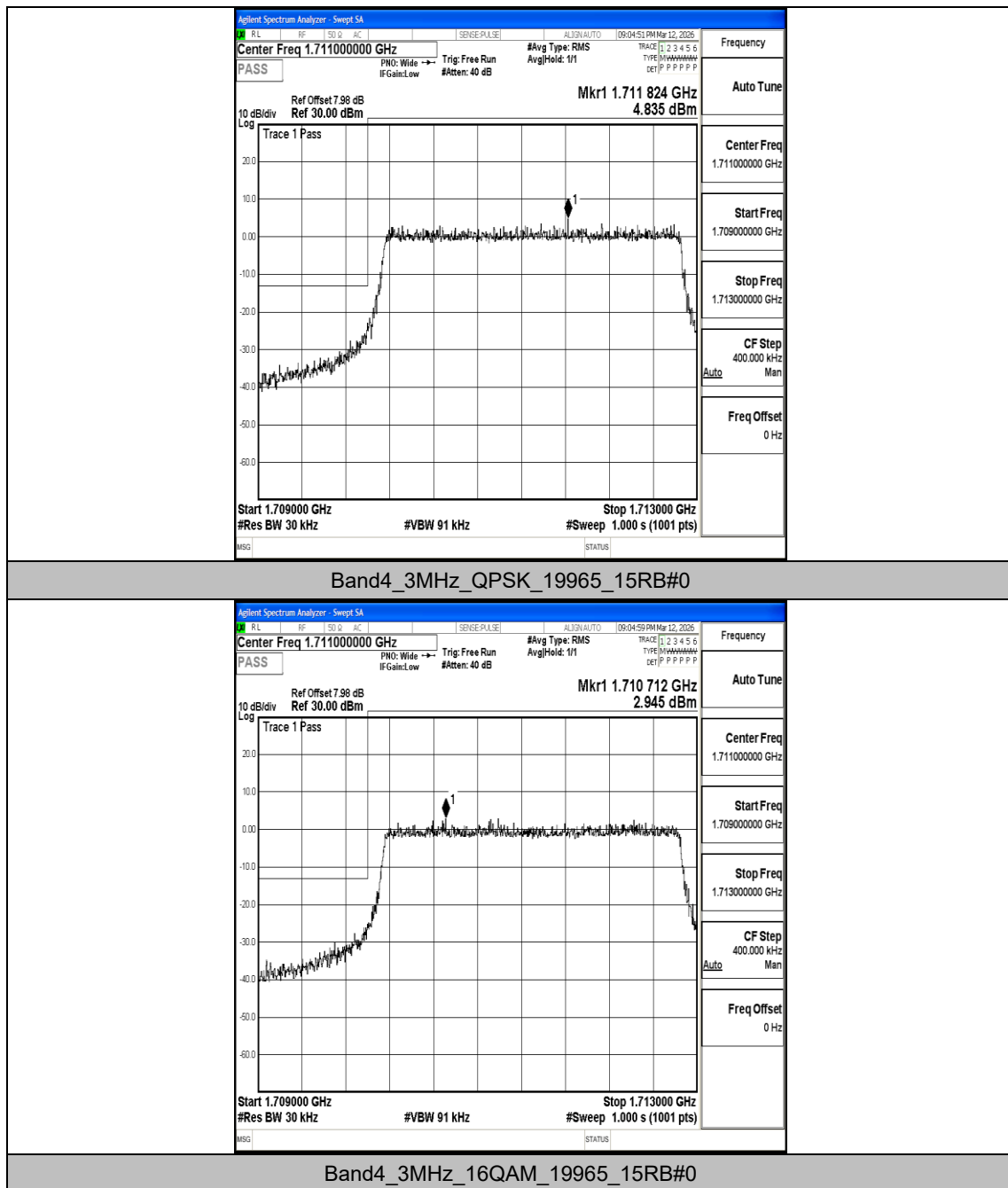


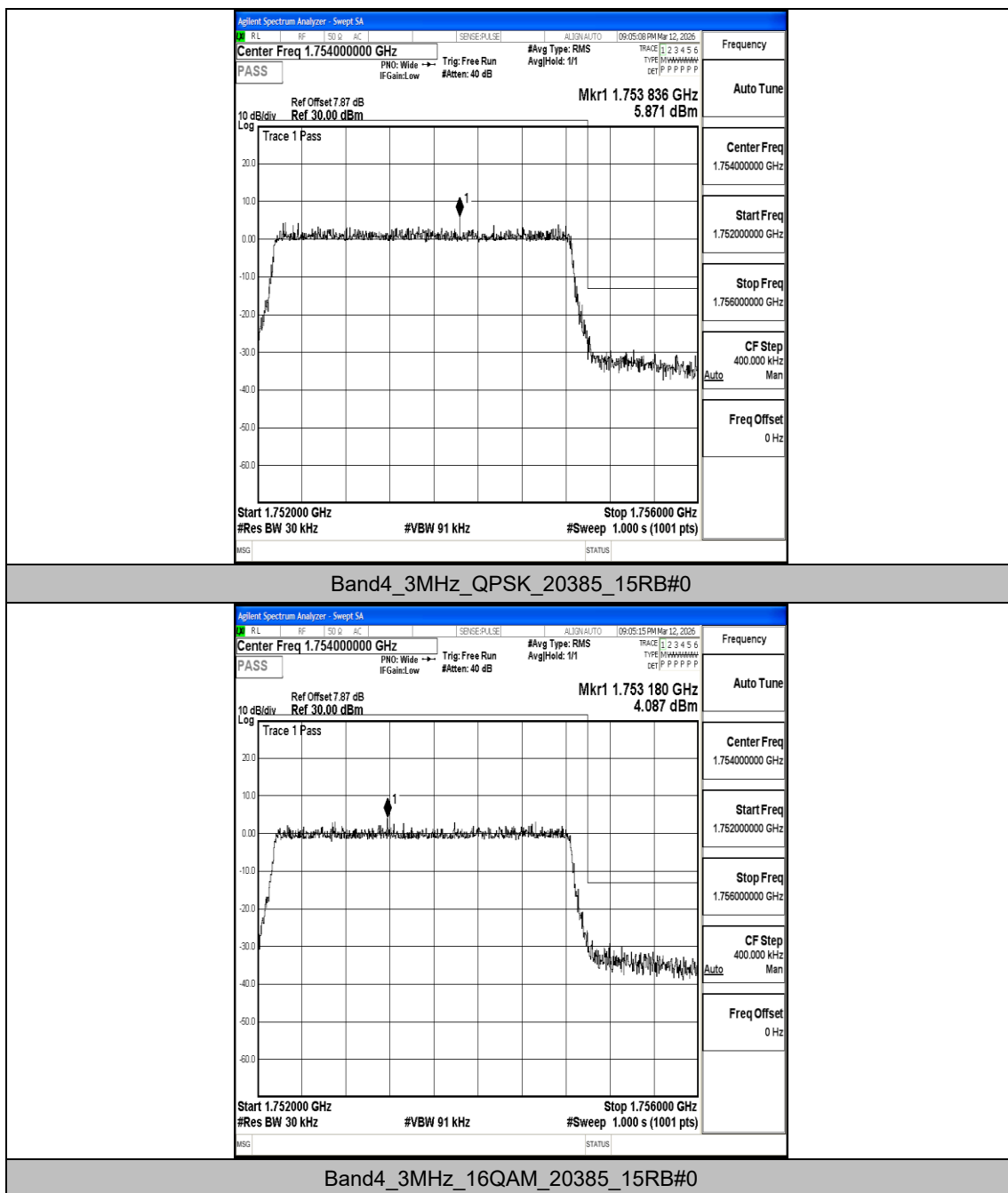


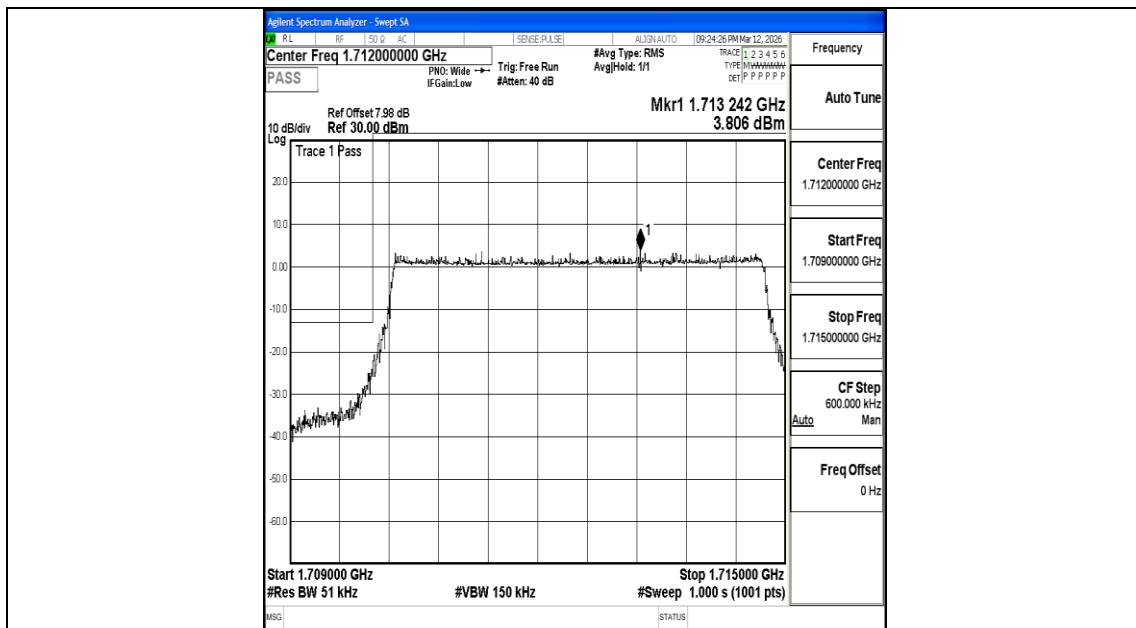
Band4_1.4MHz_QPSK_20393_6RB#0



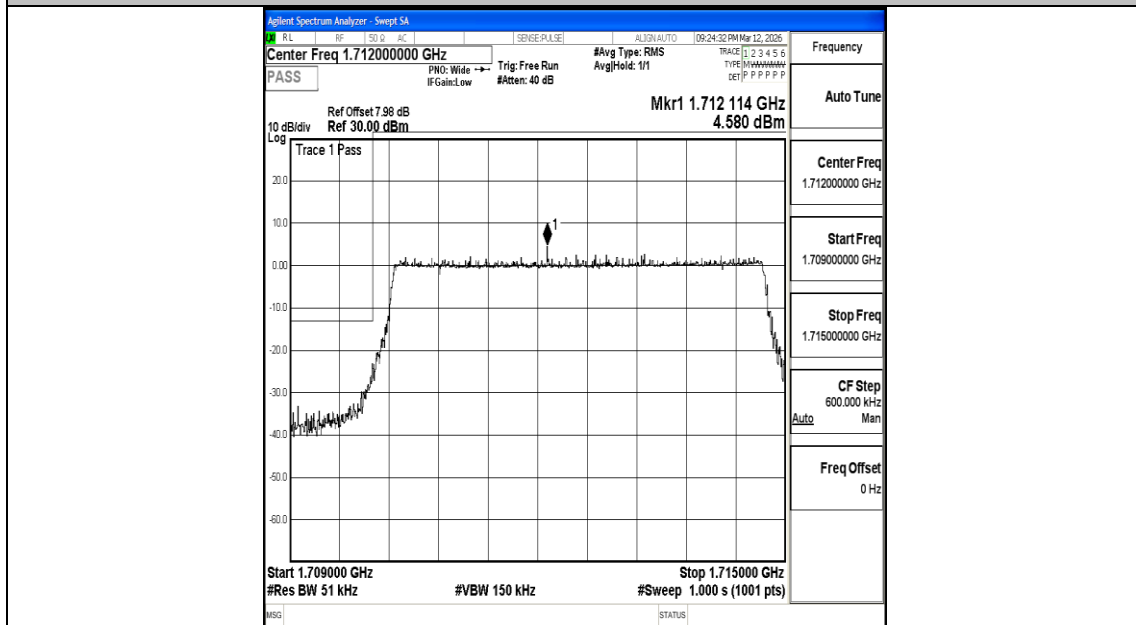
Band4_1.4MHz_16QAM_20393_6RB#0







Band4_5MHz_QPSK_19975_25RB#0



Band4_5MHz_16QAM_19975_25RB#0