

FCC Appendix RF Test Data for LTE Band 41

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

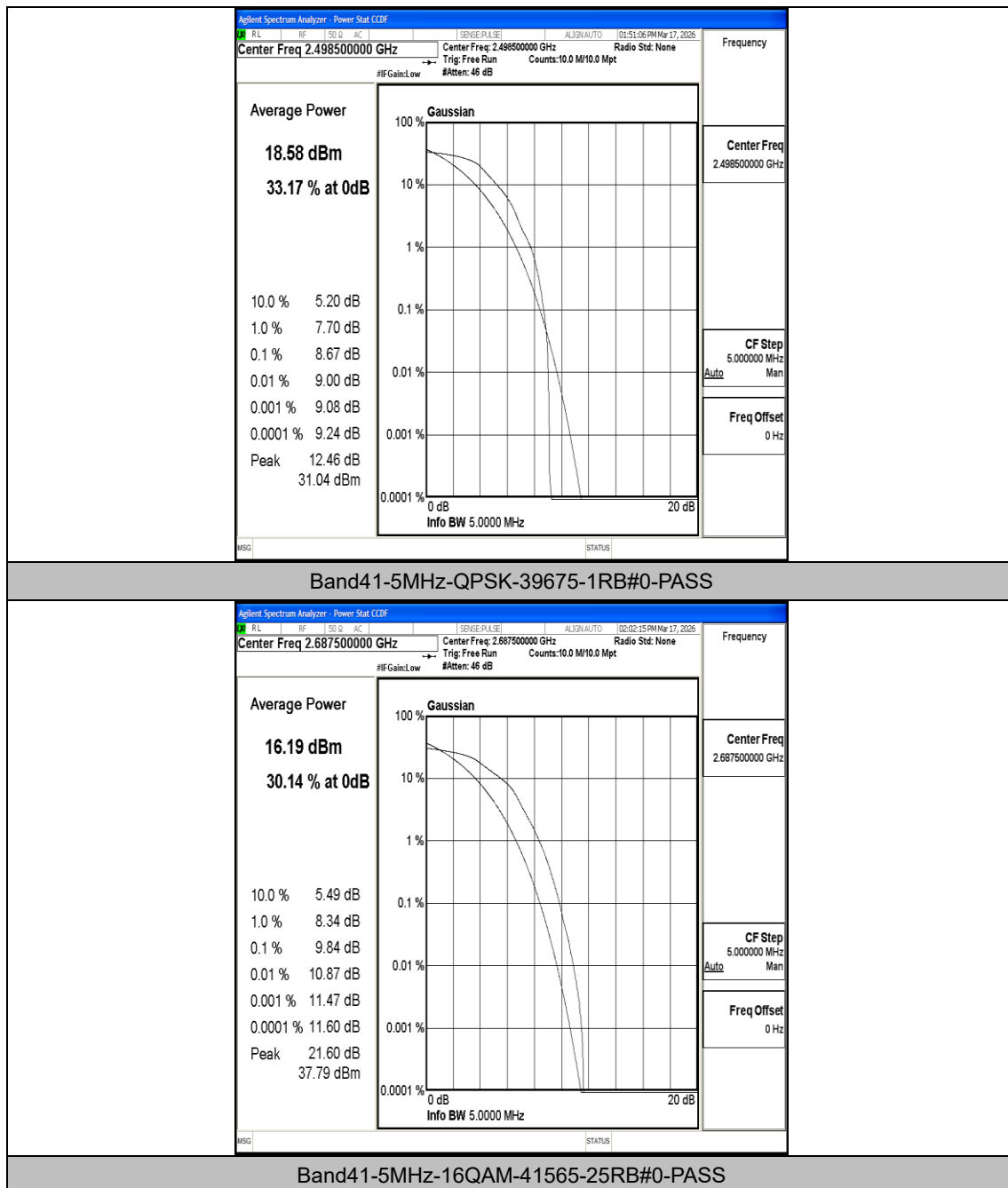
A Peak-to-Average Ratio(CCDF)

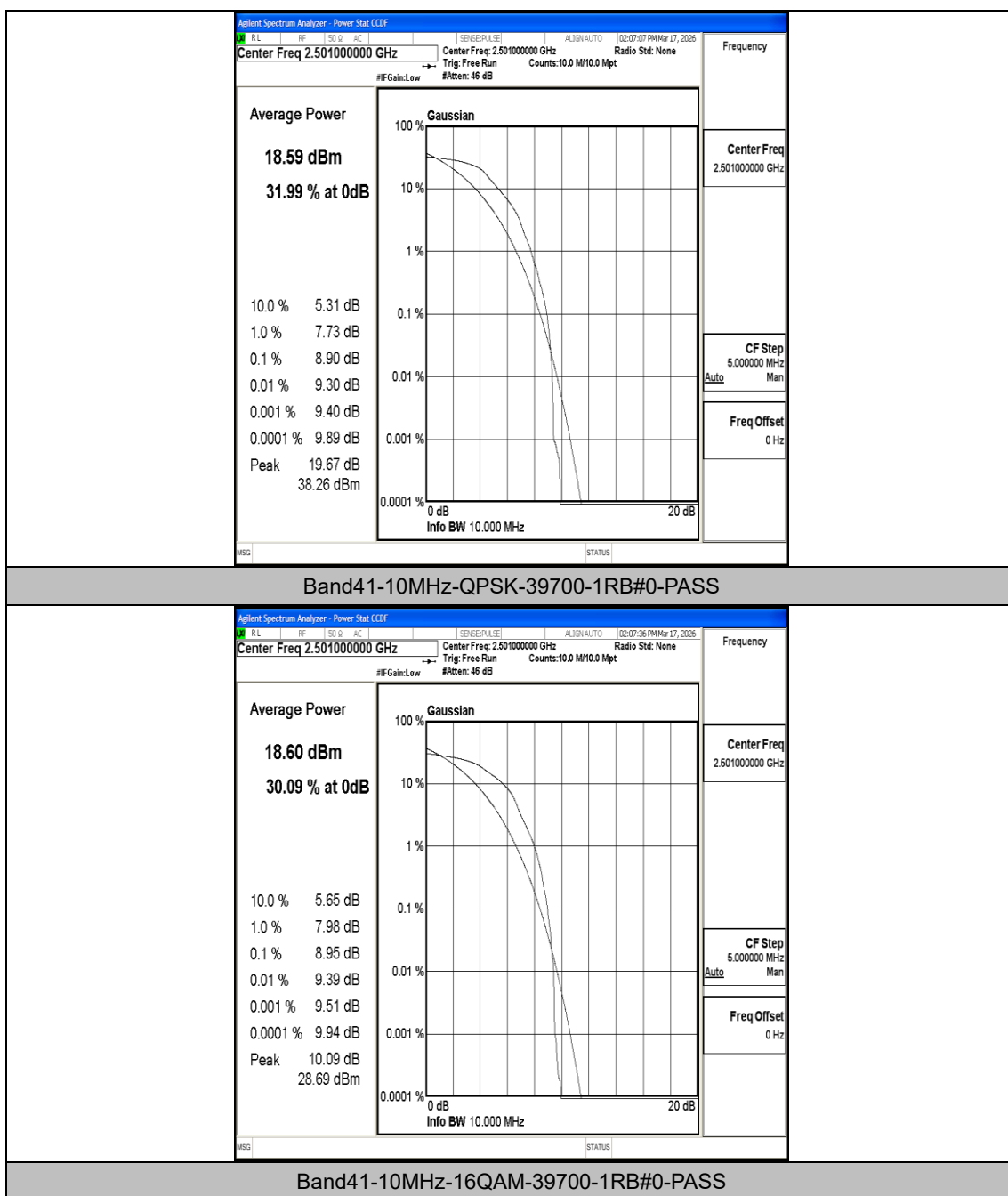
Test Result

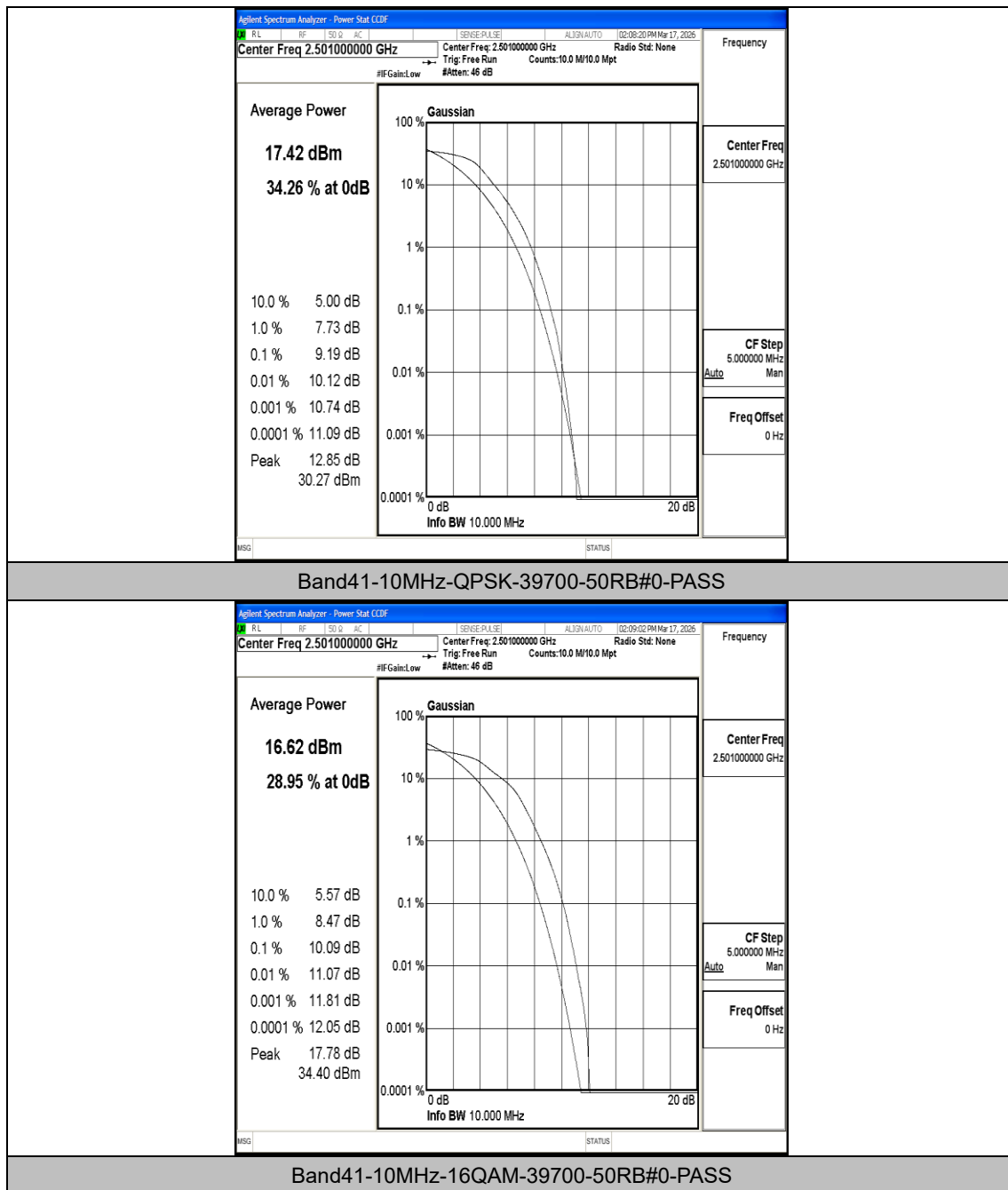
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	8.67	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.84	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	8.90	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.95	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.19	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	10.09	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.38	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.12	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.32	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.79	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.46	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	8.73	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.04	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	10.07	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.54	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	9.02	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.40	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.82	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.34	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	8.85	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.17	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.13	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.43	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	9.01	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	9.61	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	10.09	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	8.64	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	9.00	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	9.40	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.79	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	7.88	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.79	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.09	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.67	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	8.07	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.06	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.99	13	PASS

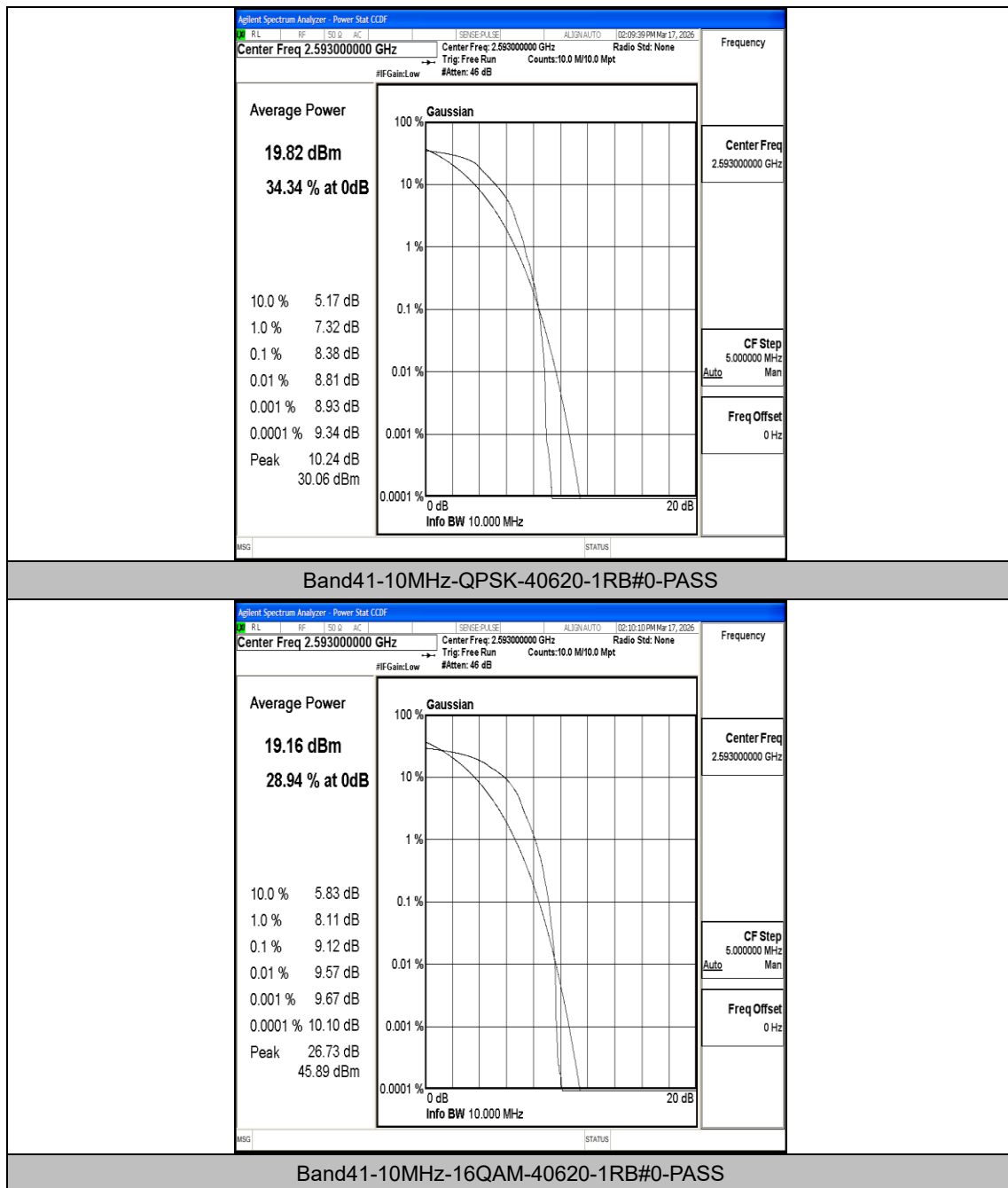
Band41	20MHz	16QAM	41490	100RB#0	9.73	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.85	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.57	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	8.89	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	8.88	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.76	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	9.00	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	8.90	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.50	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.88	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.08	13	PASS

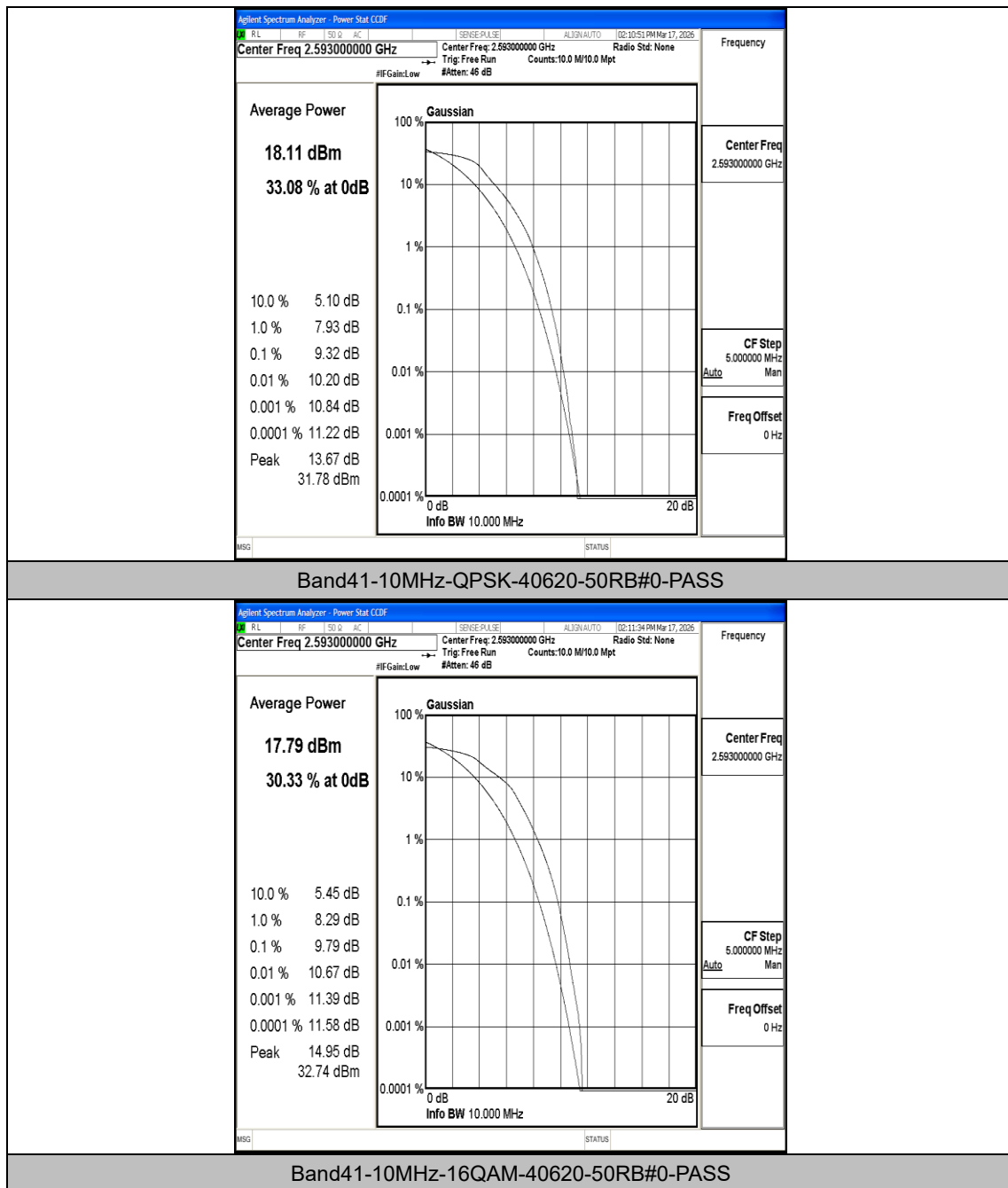
Test Graphs

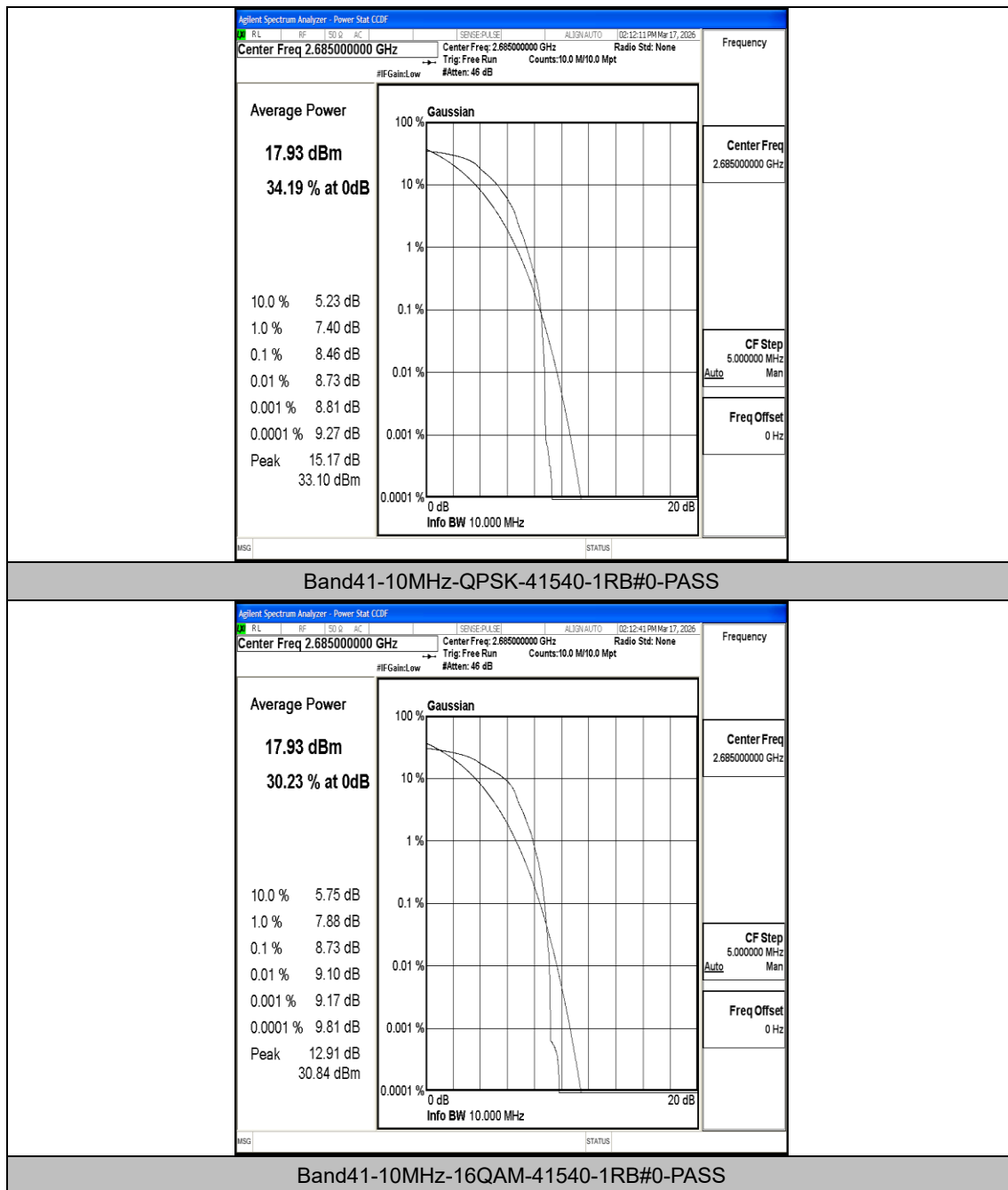


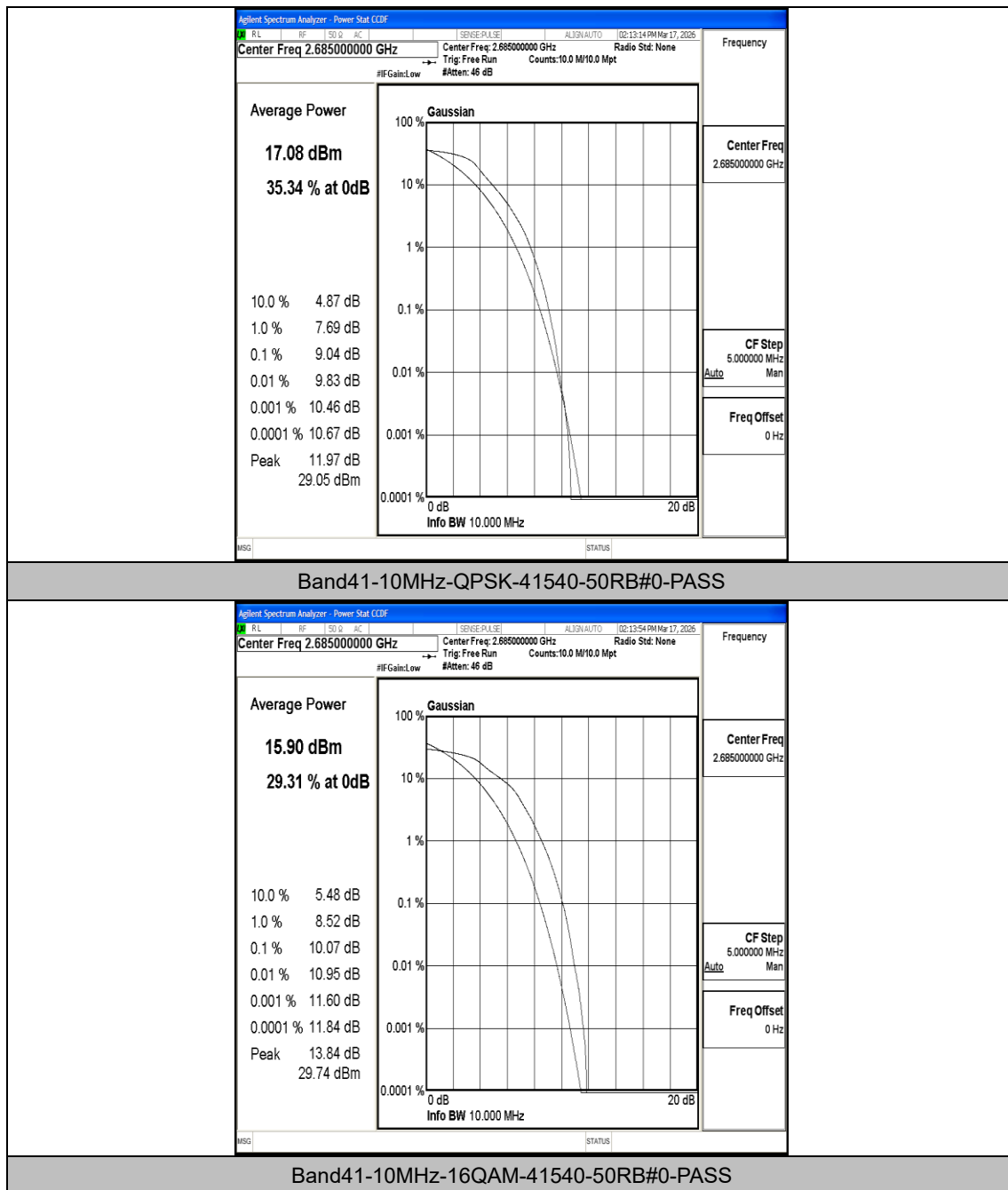


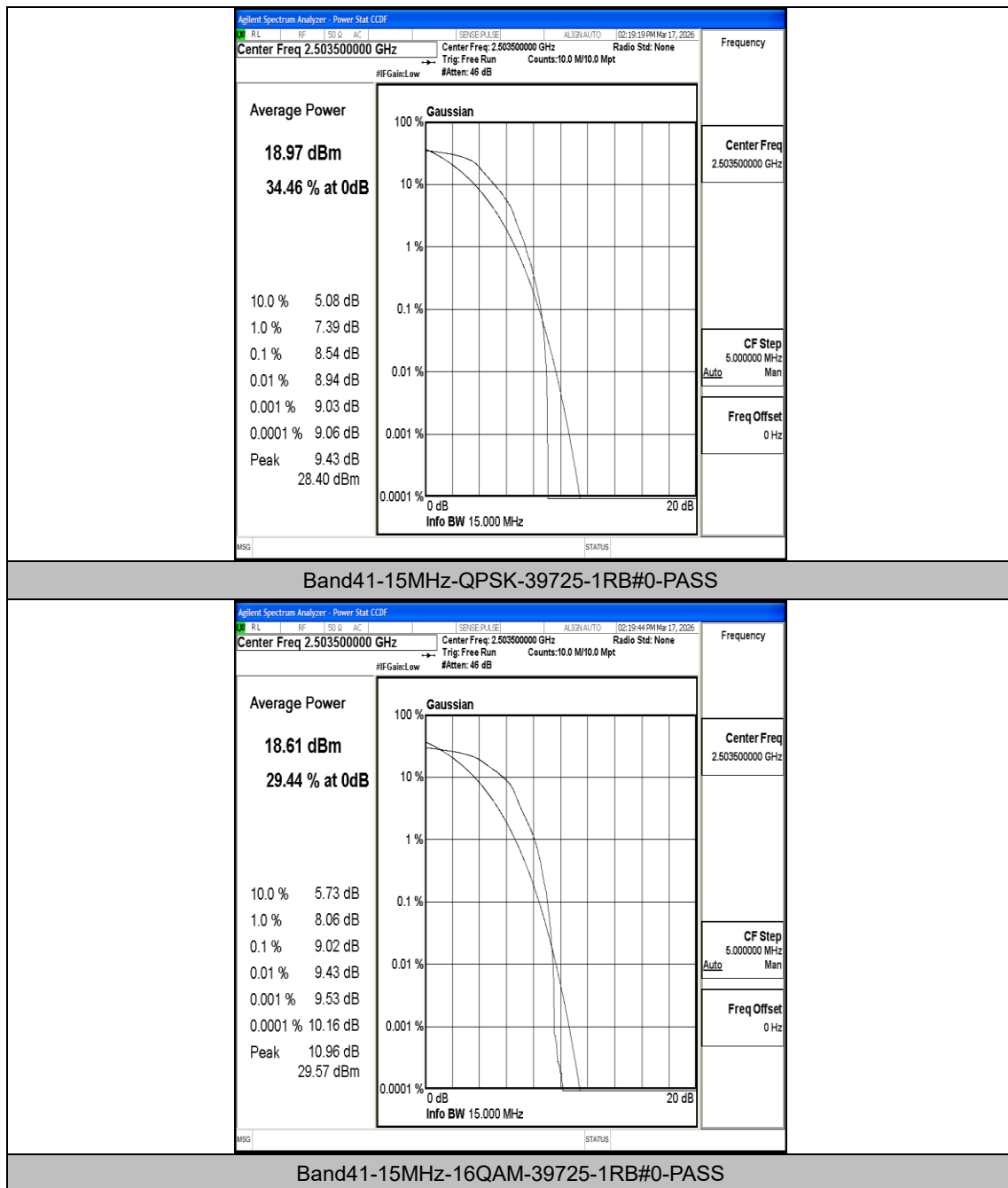


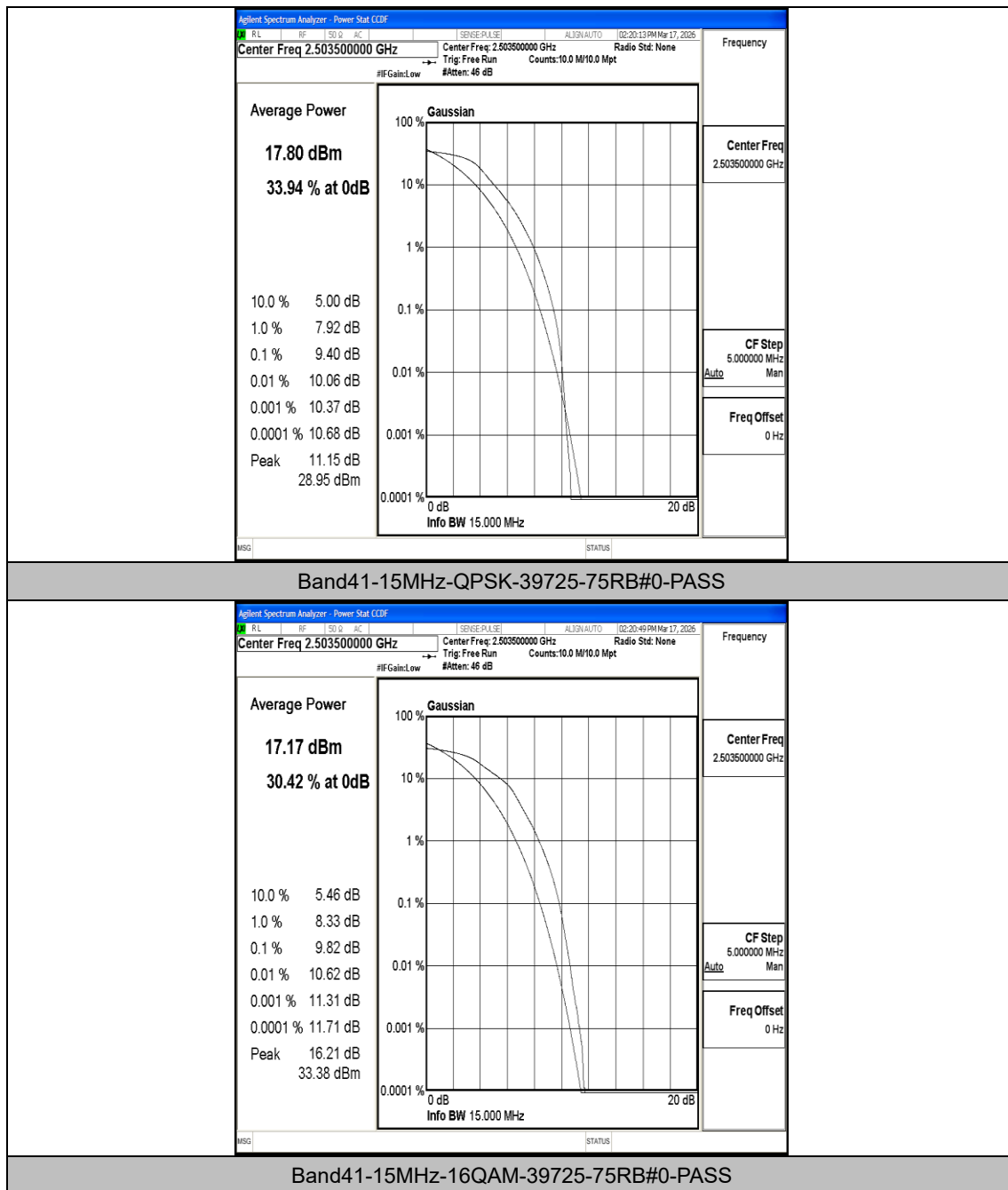


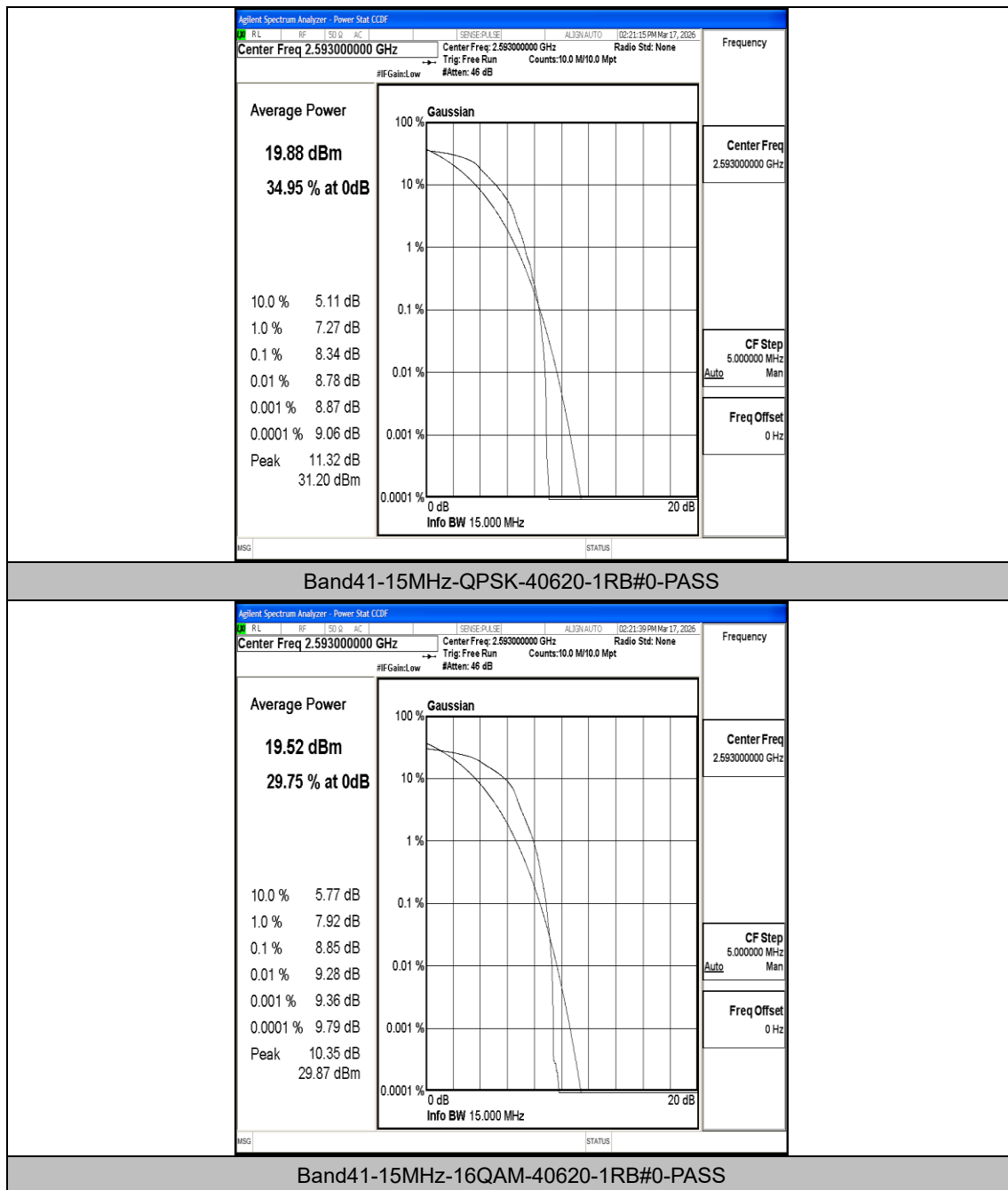


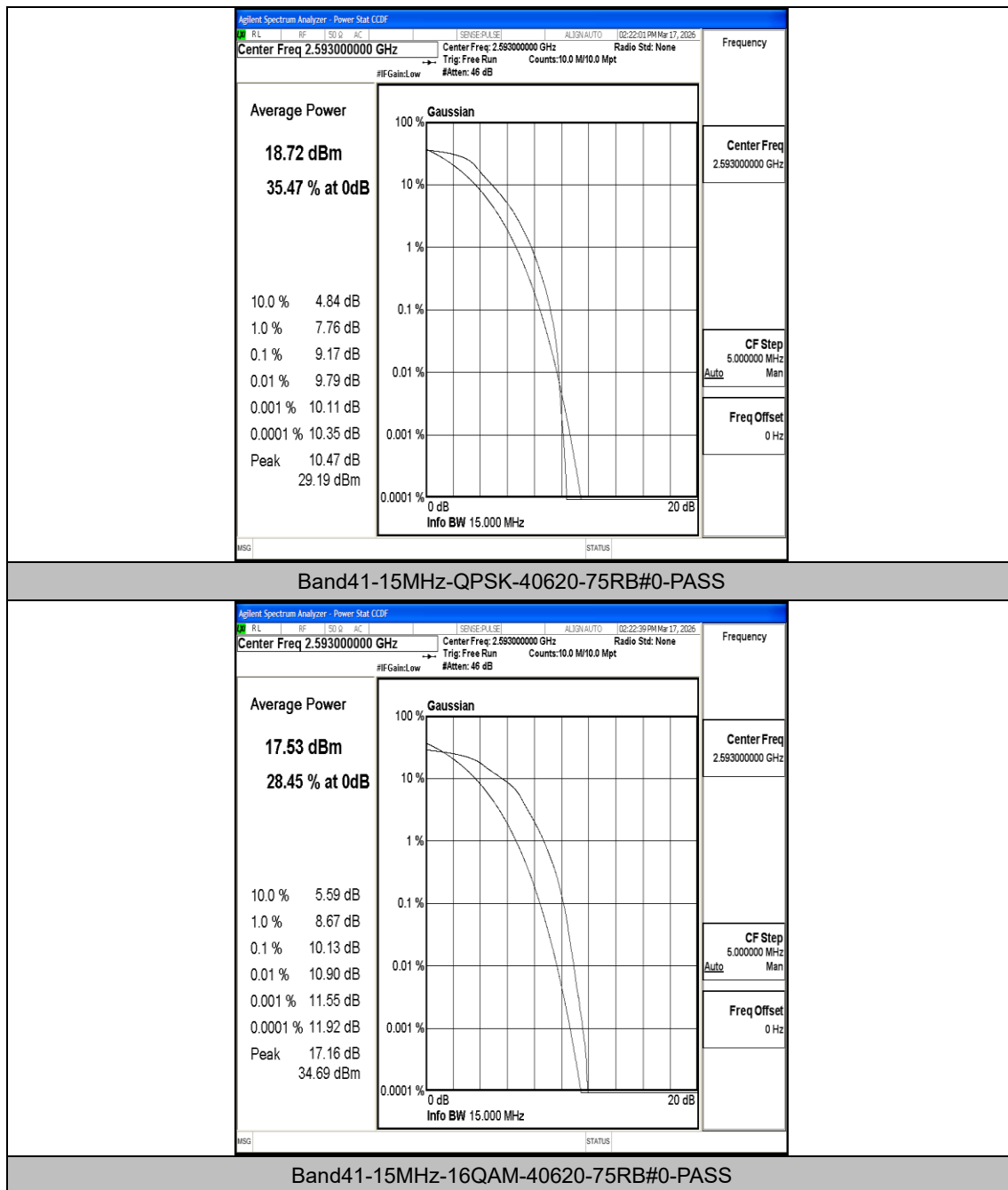


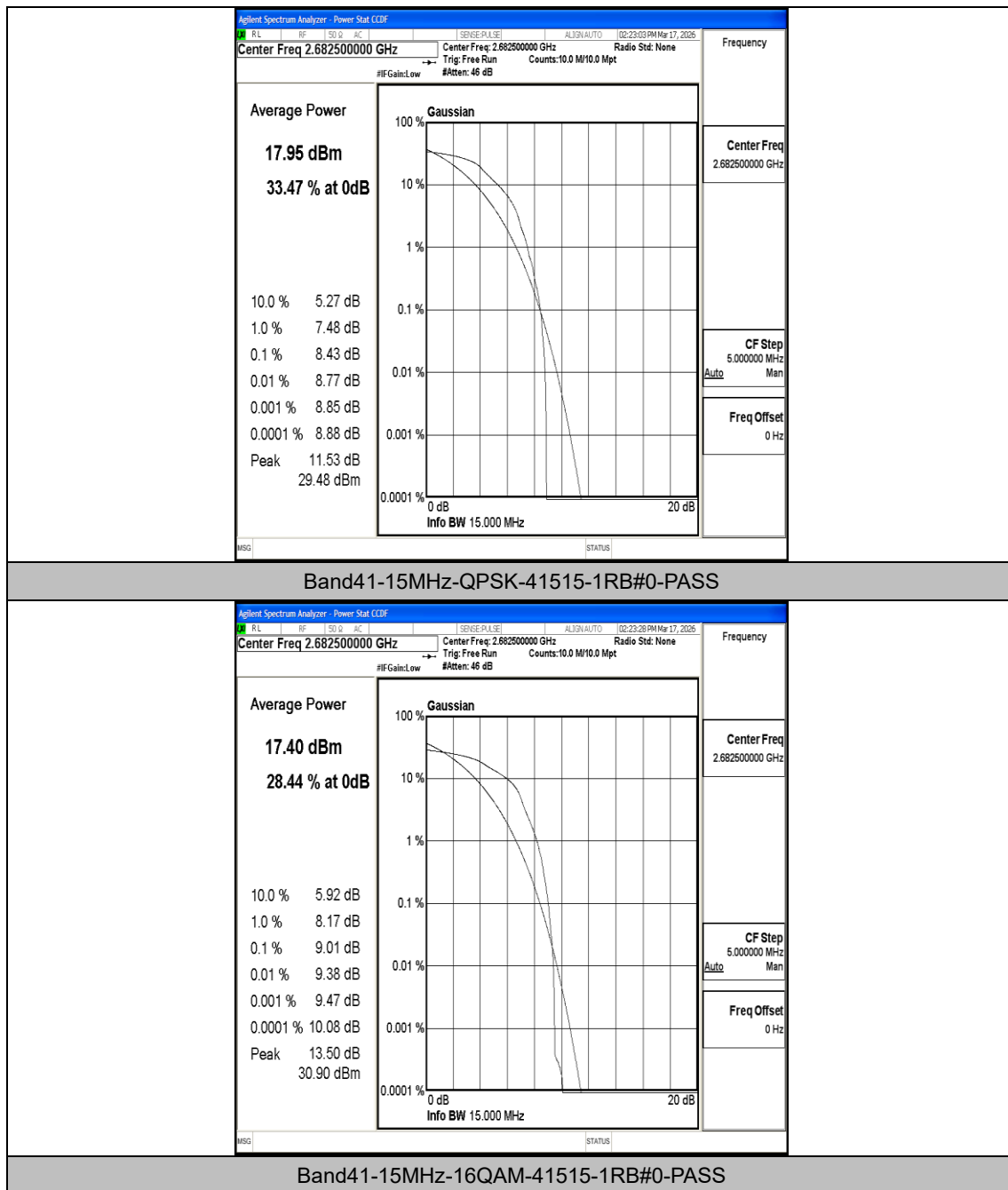


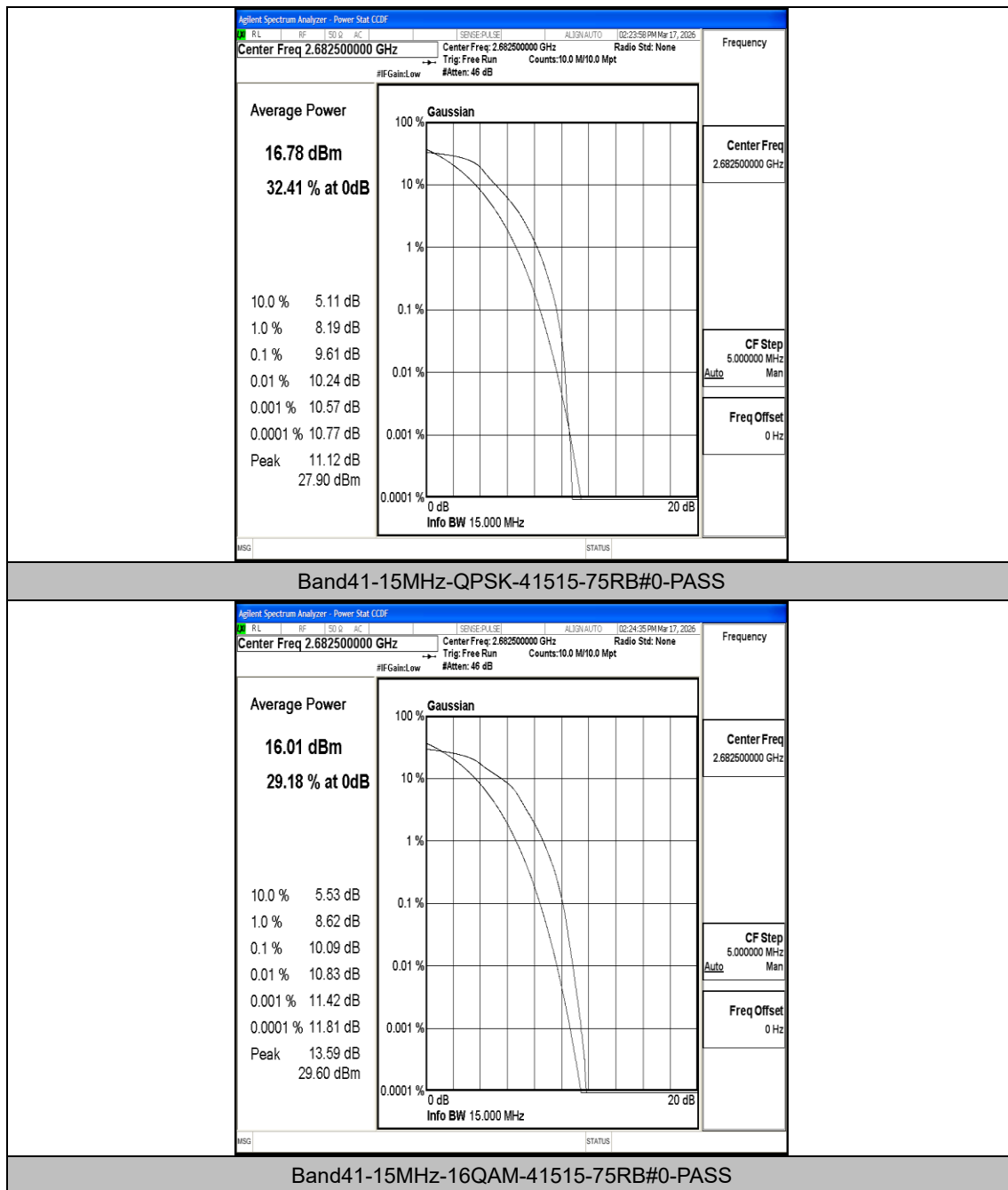


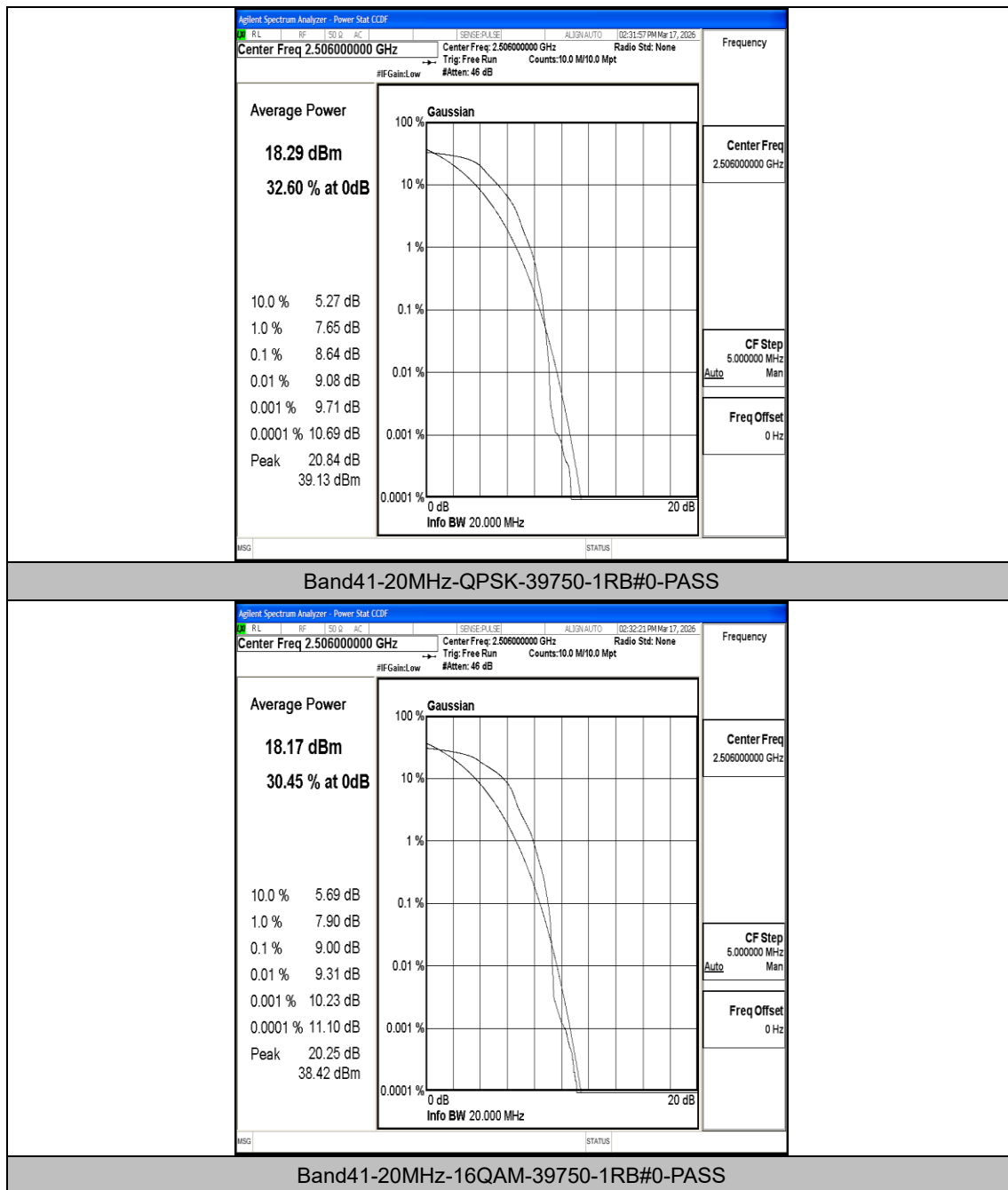


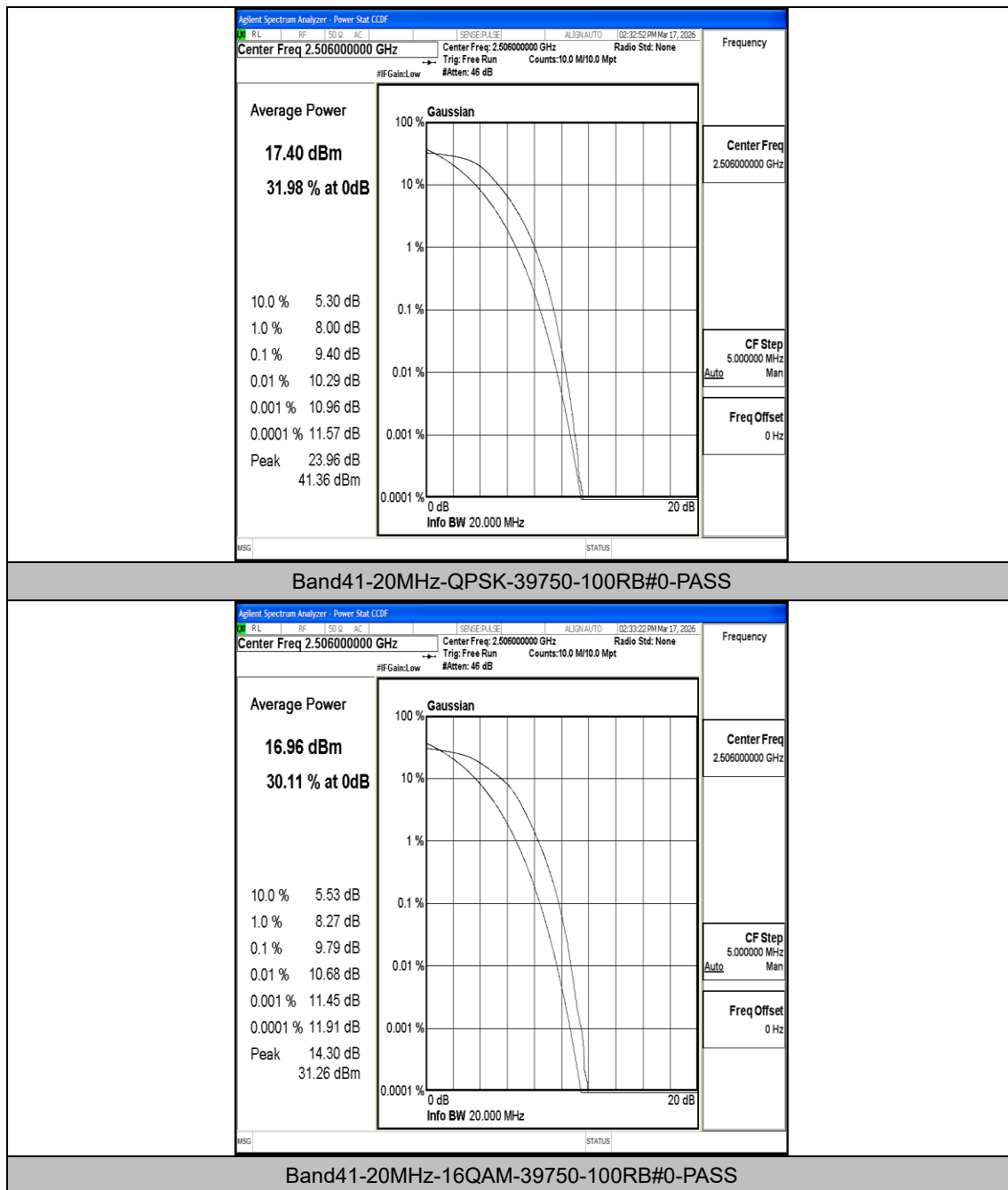


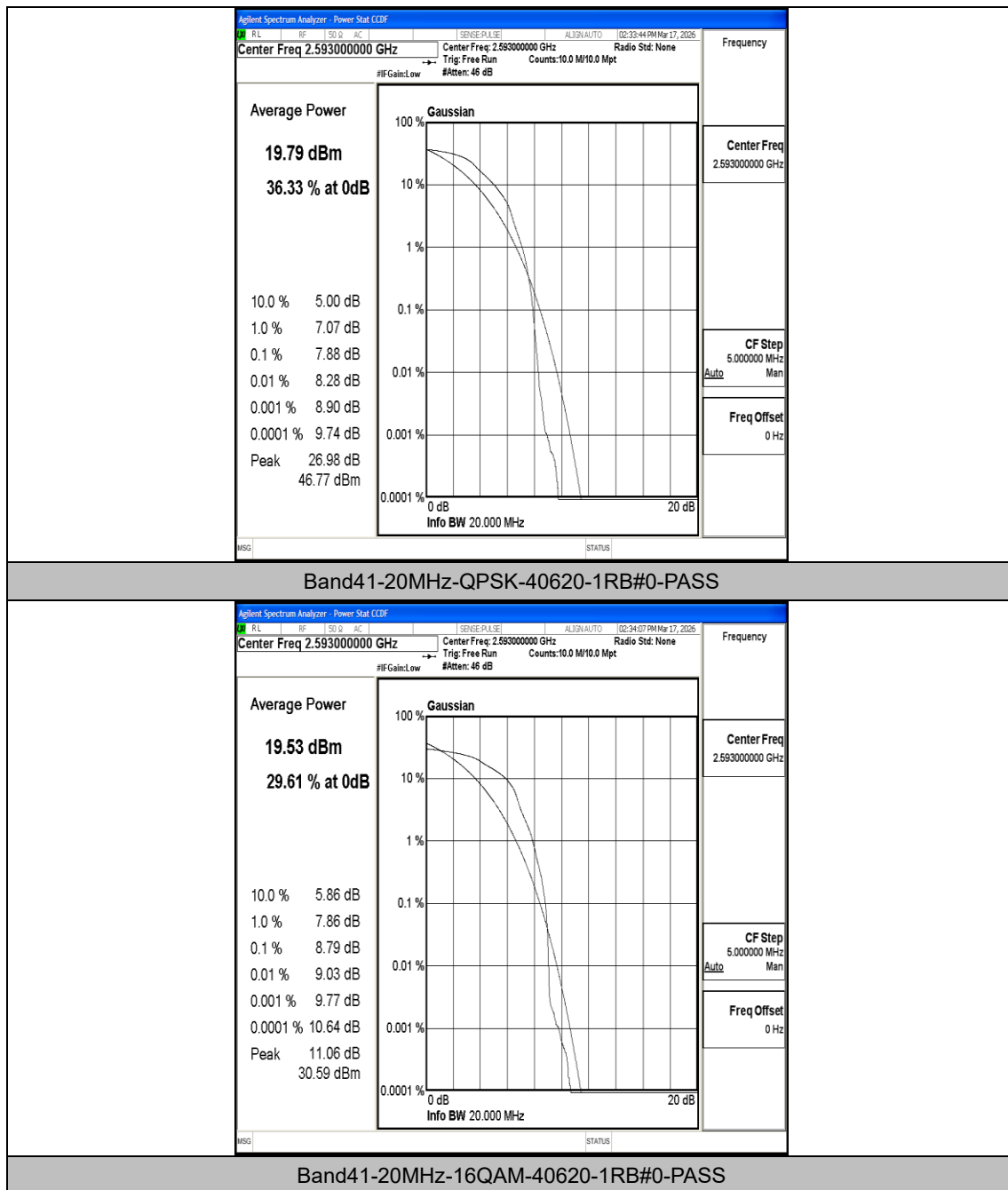


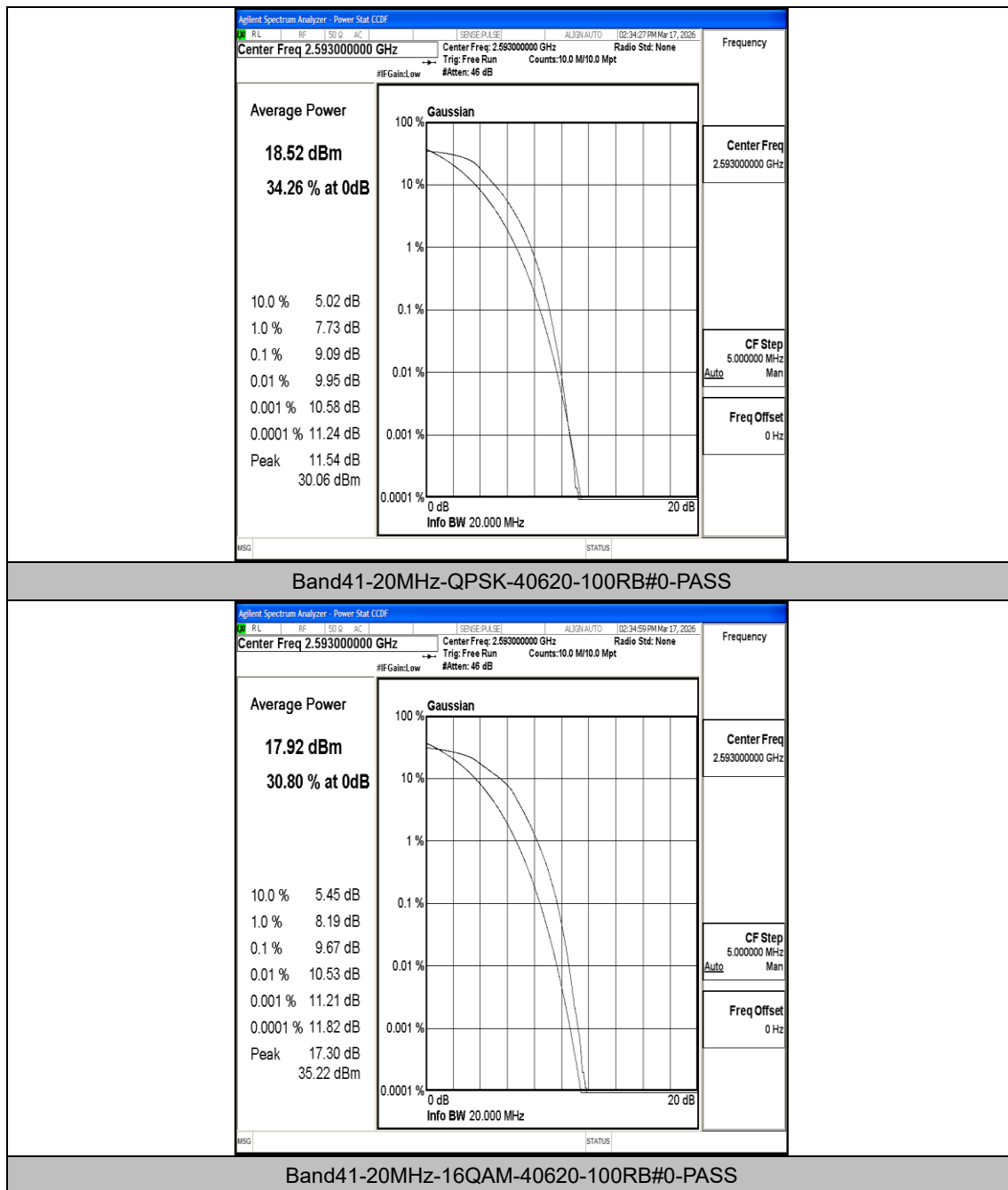


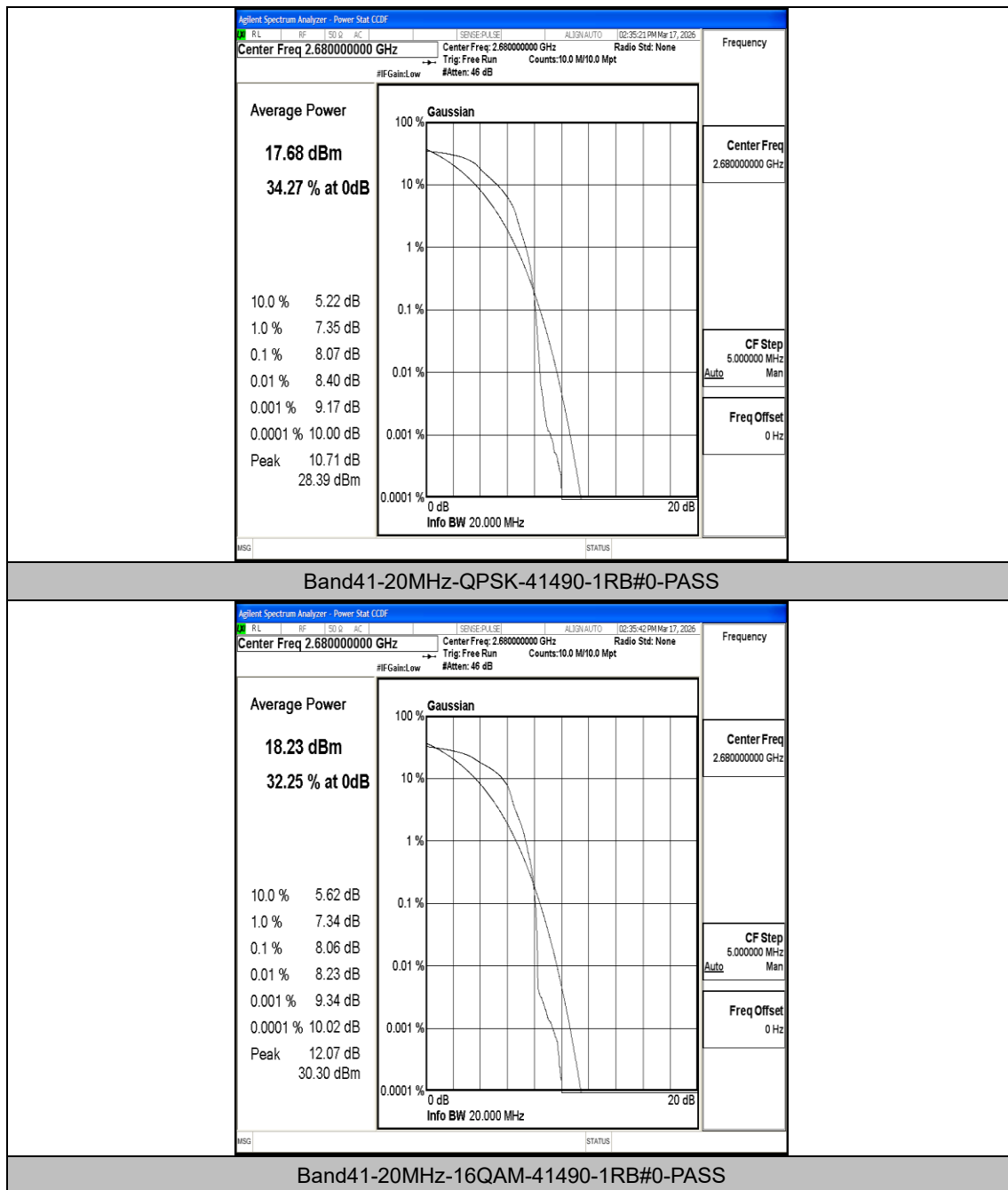


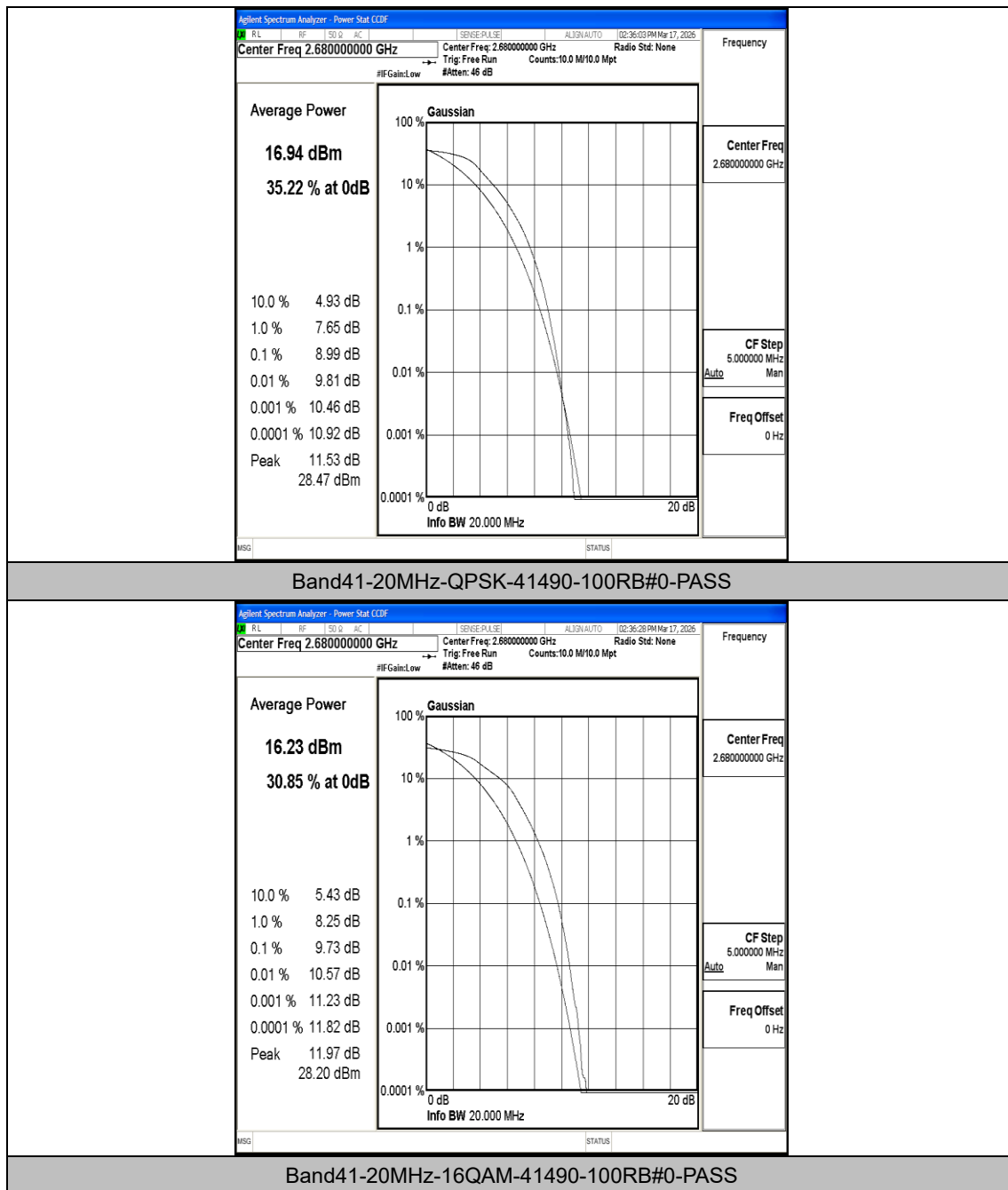


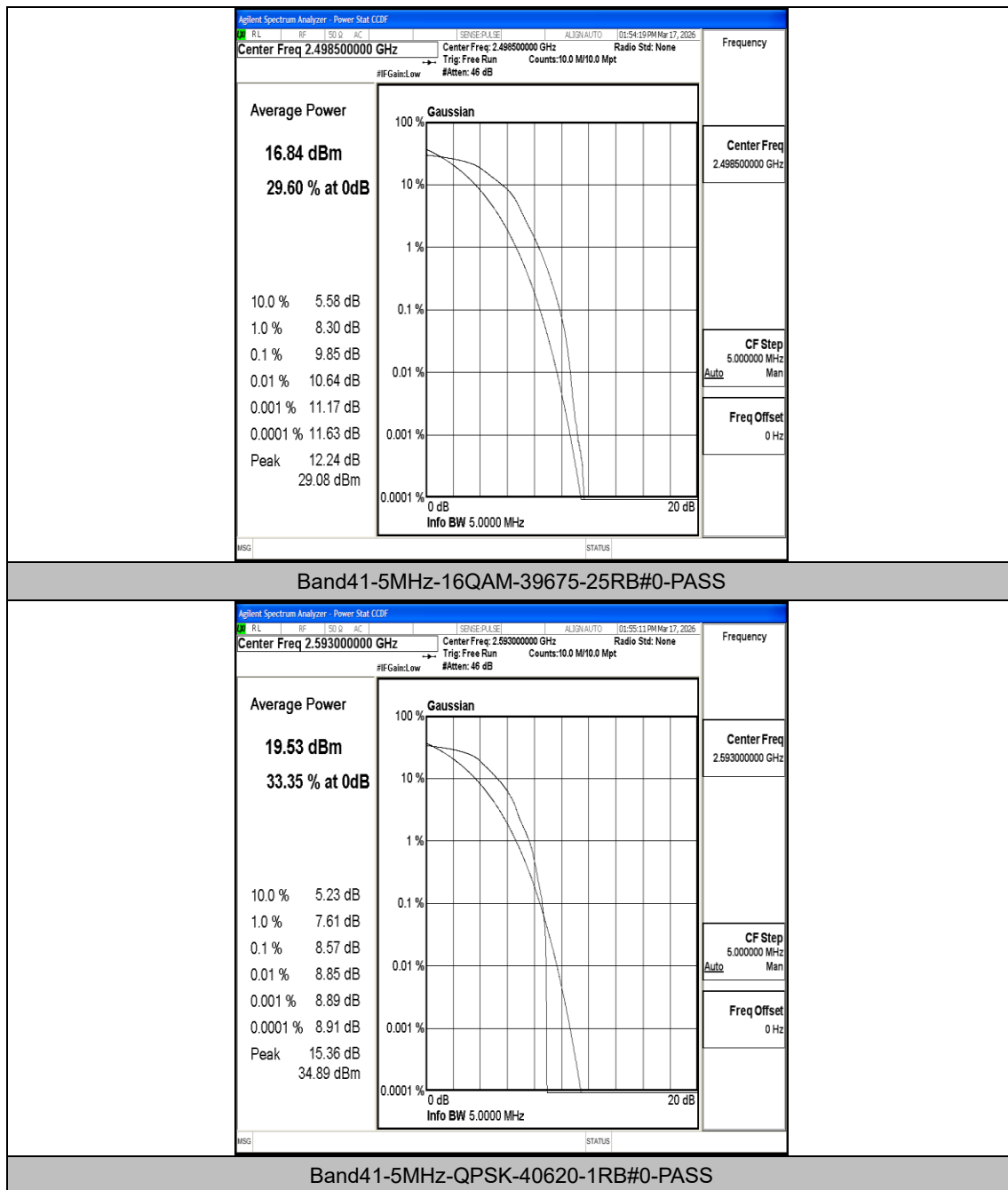


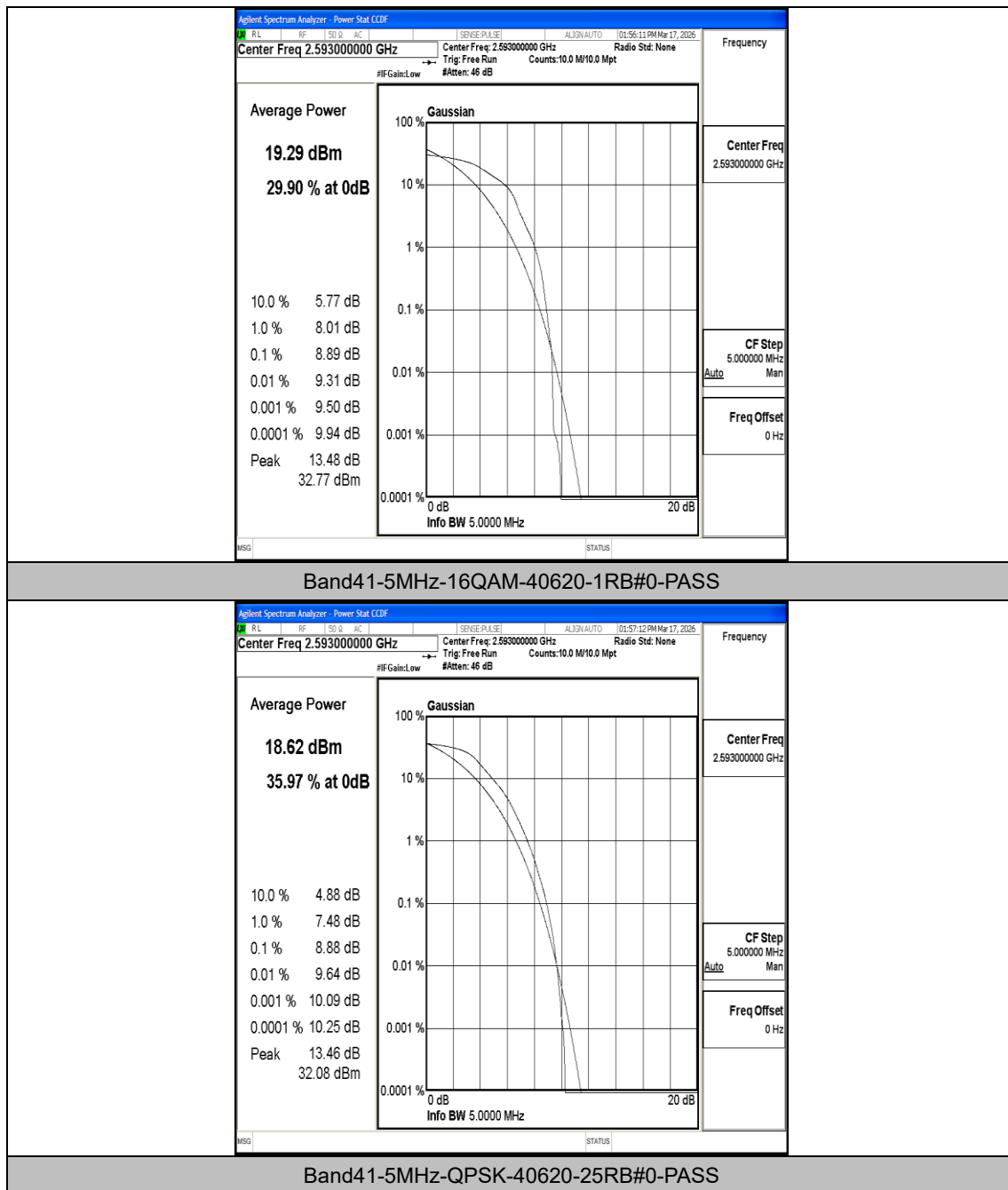


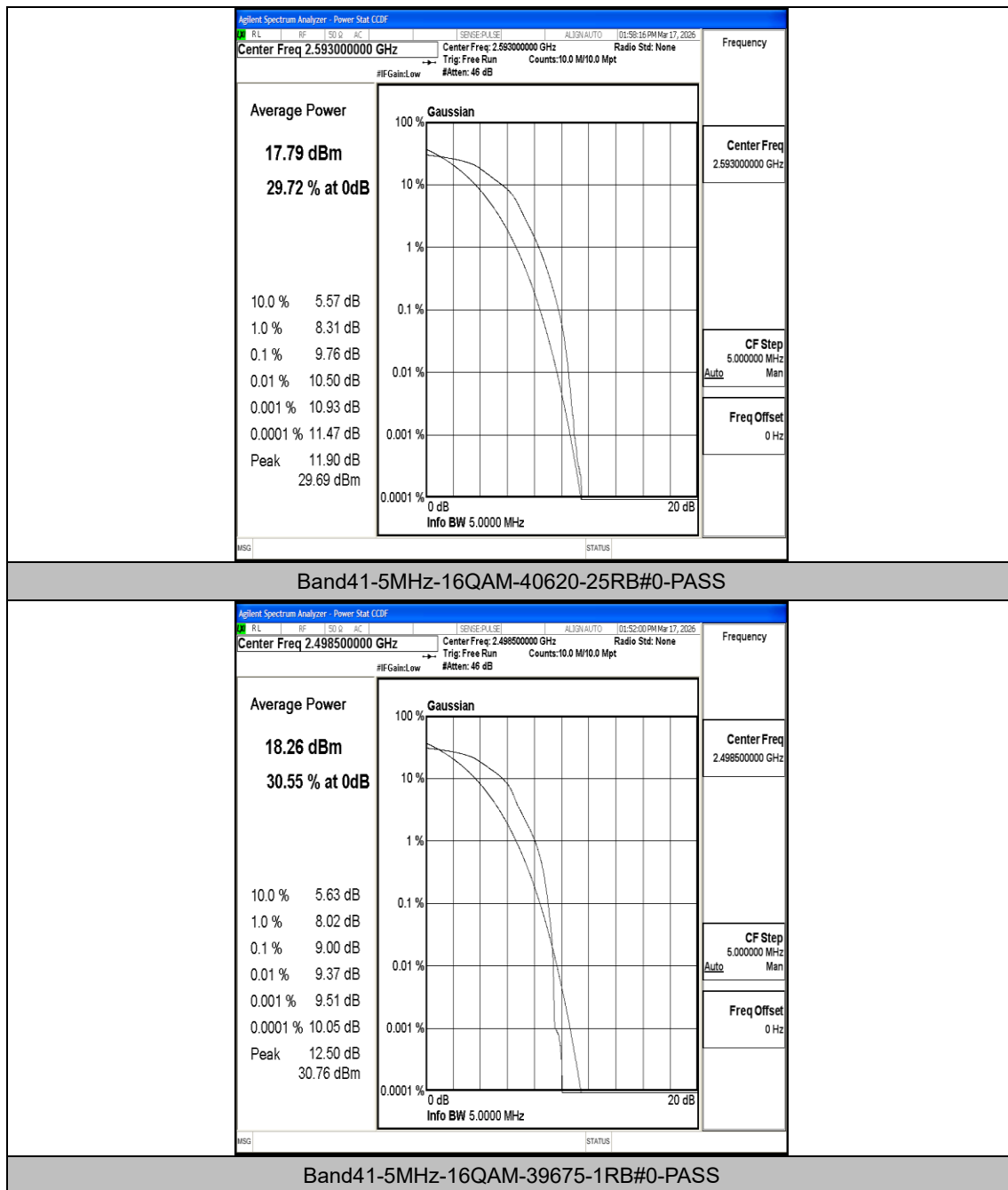


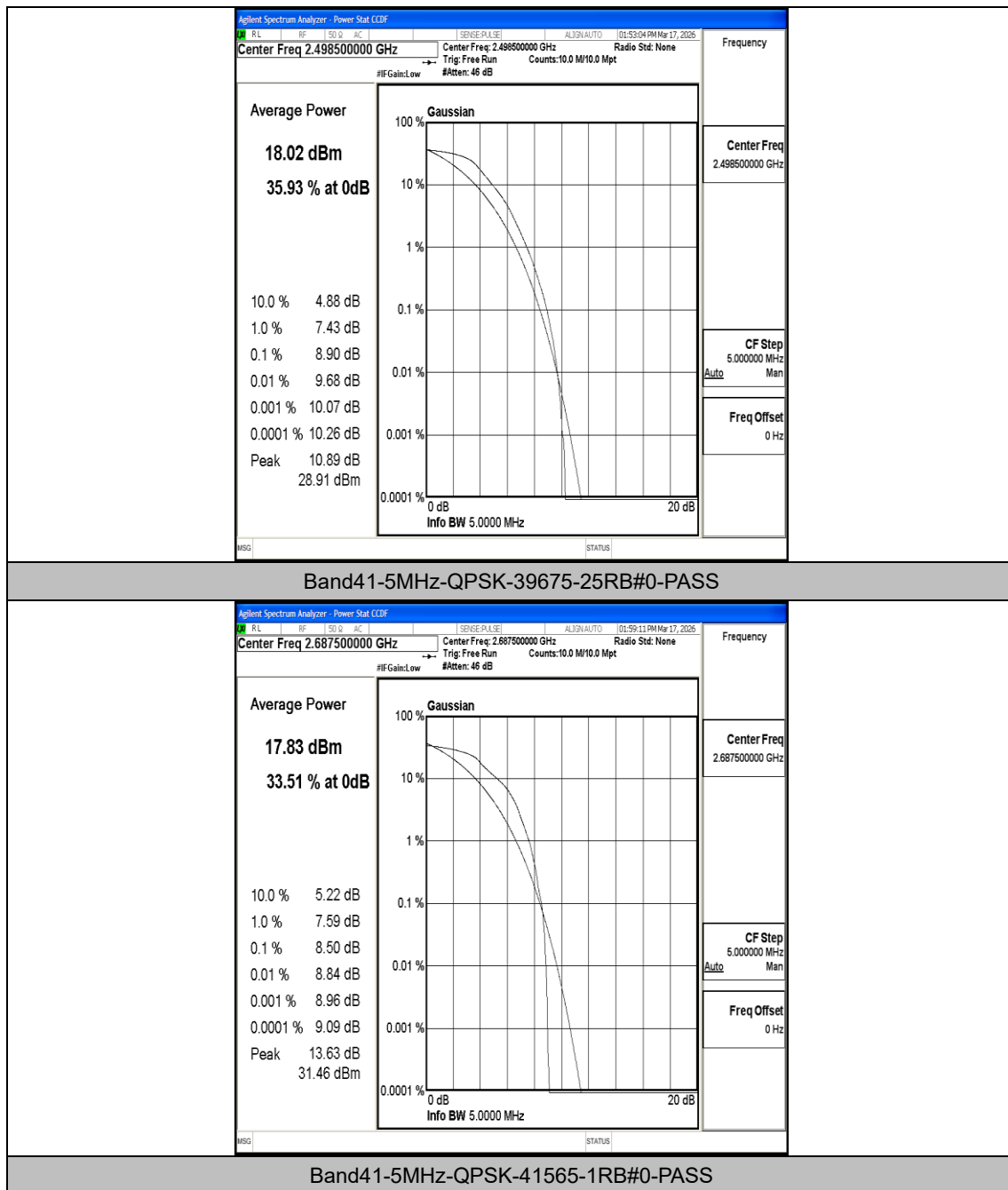


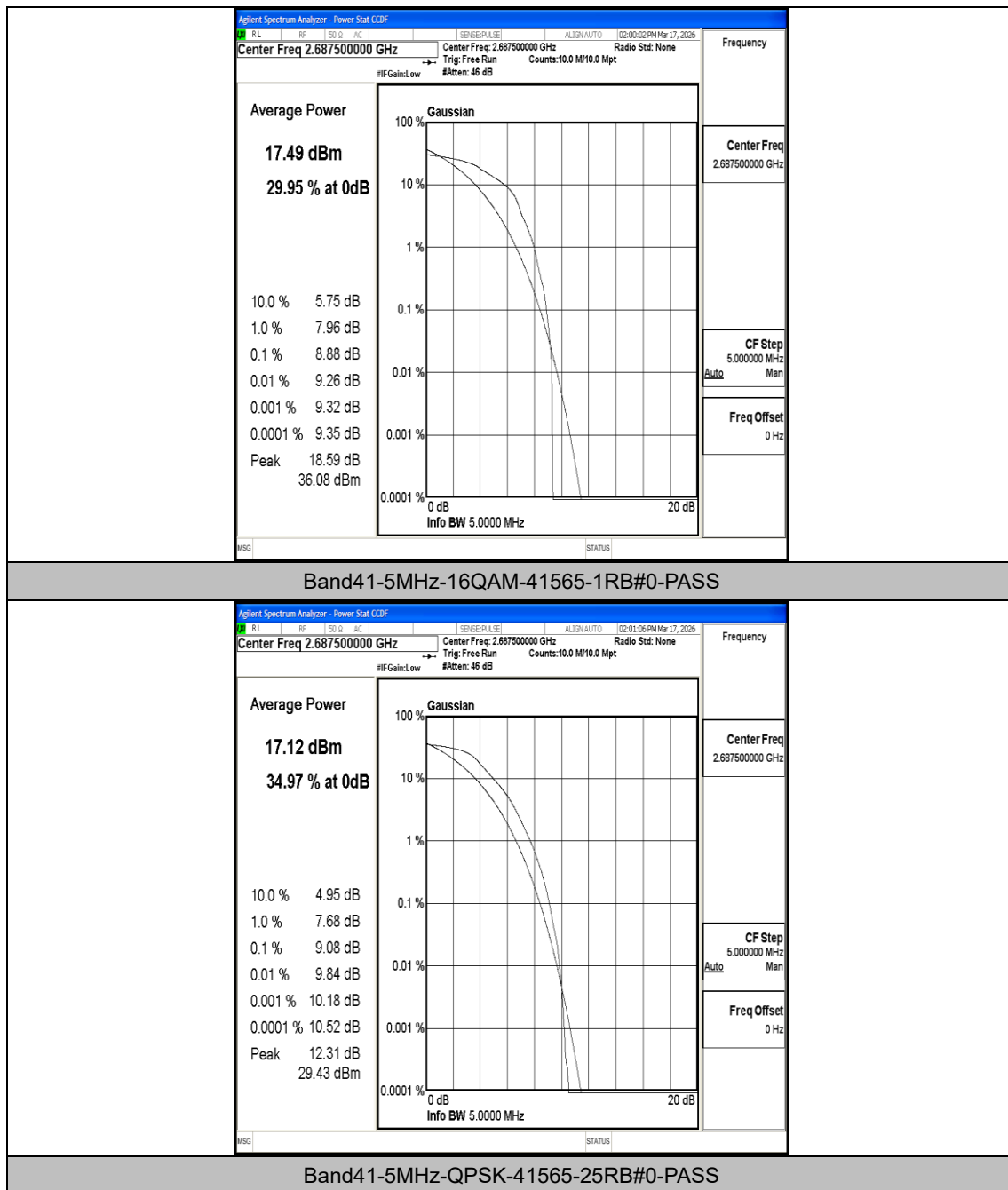










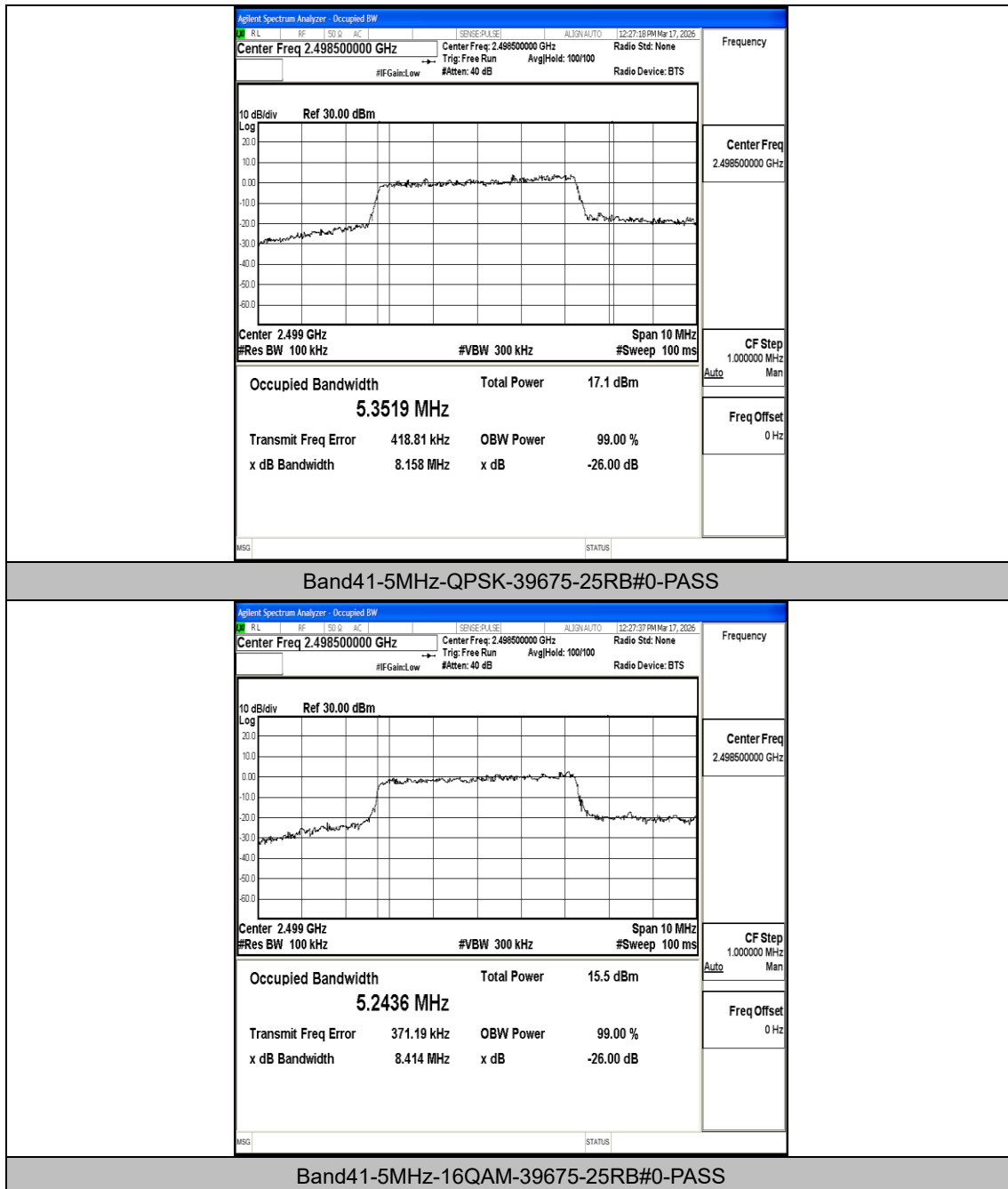


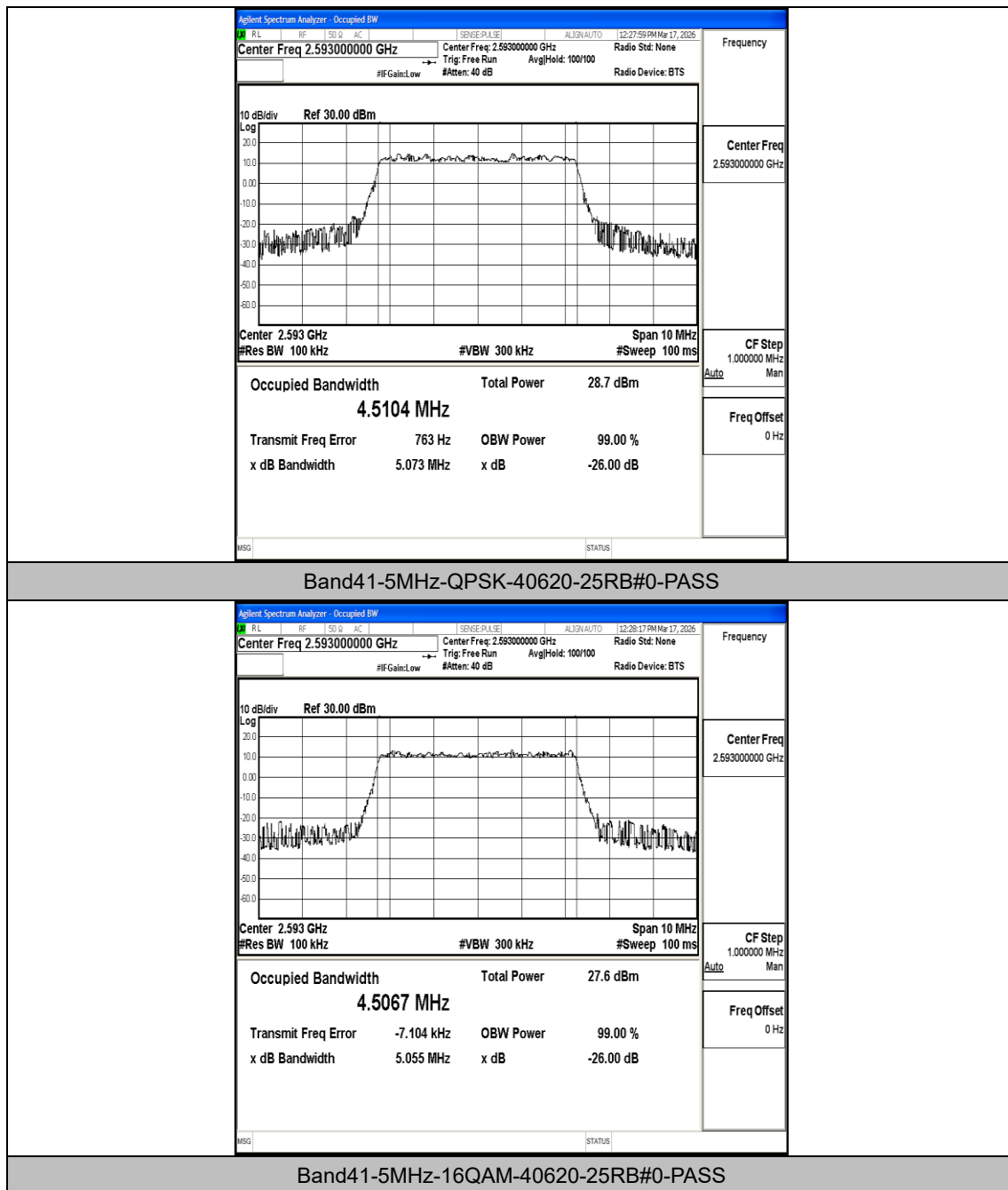
B 26dB Bandwidth and Occupied Bandwidth

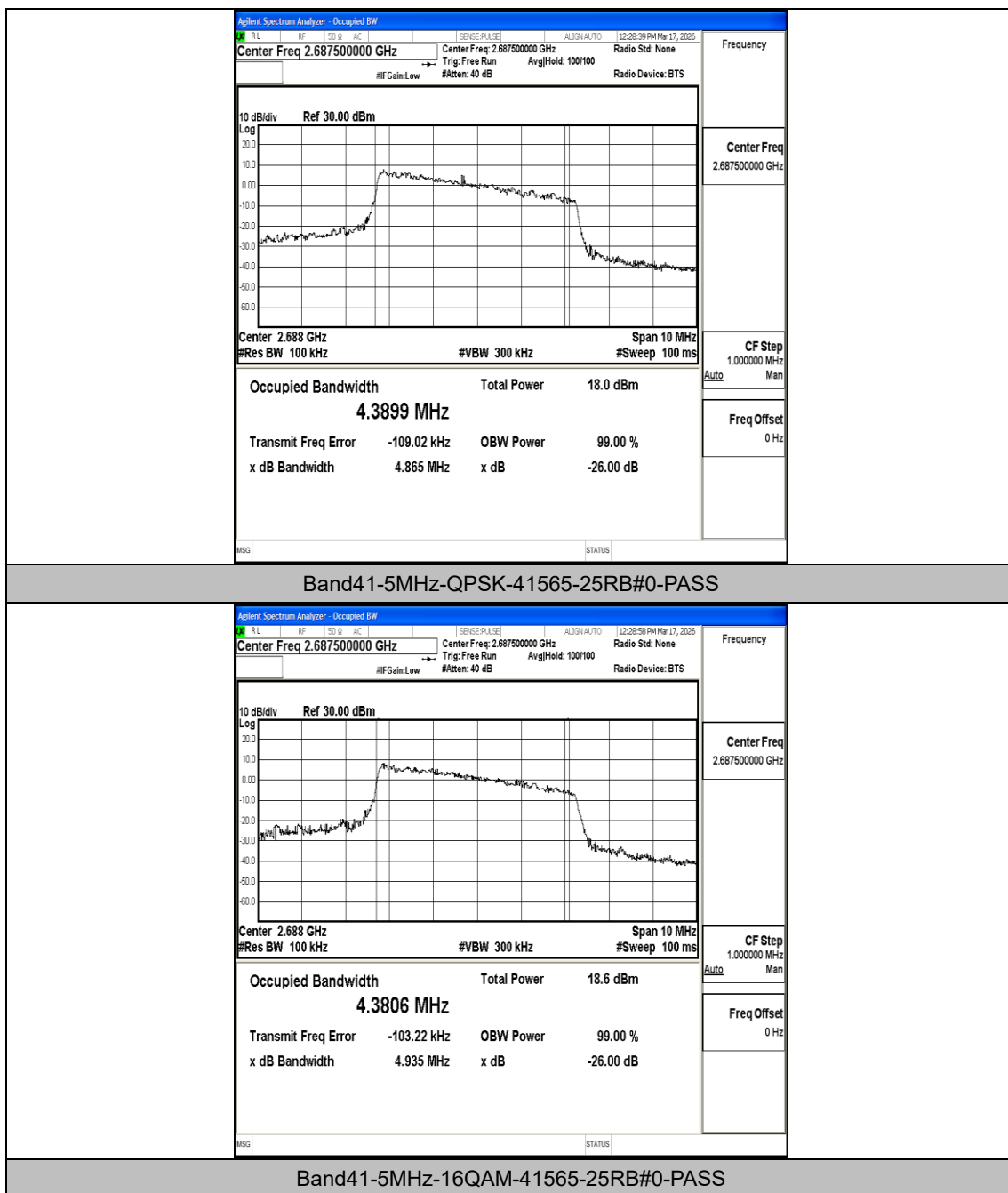
Test Result

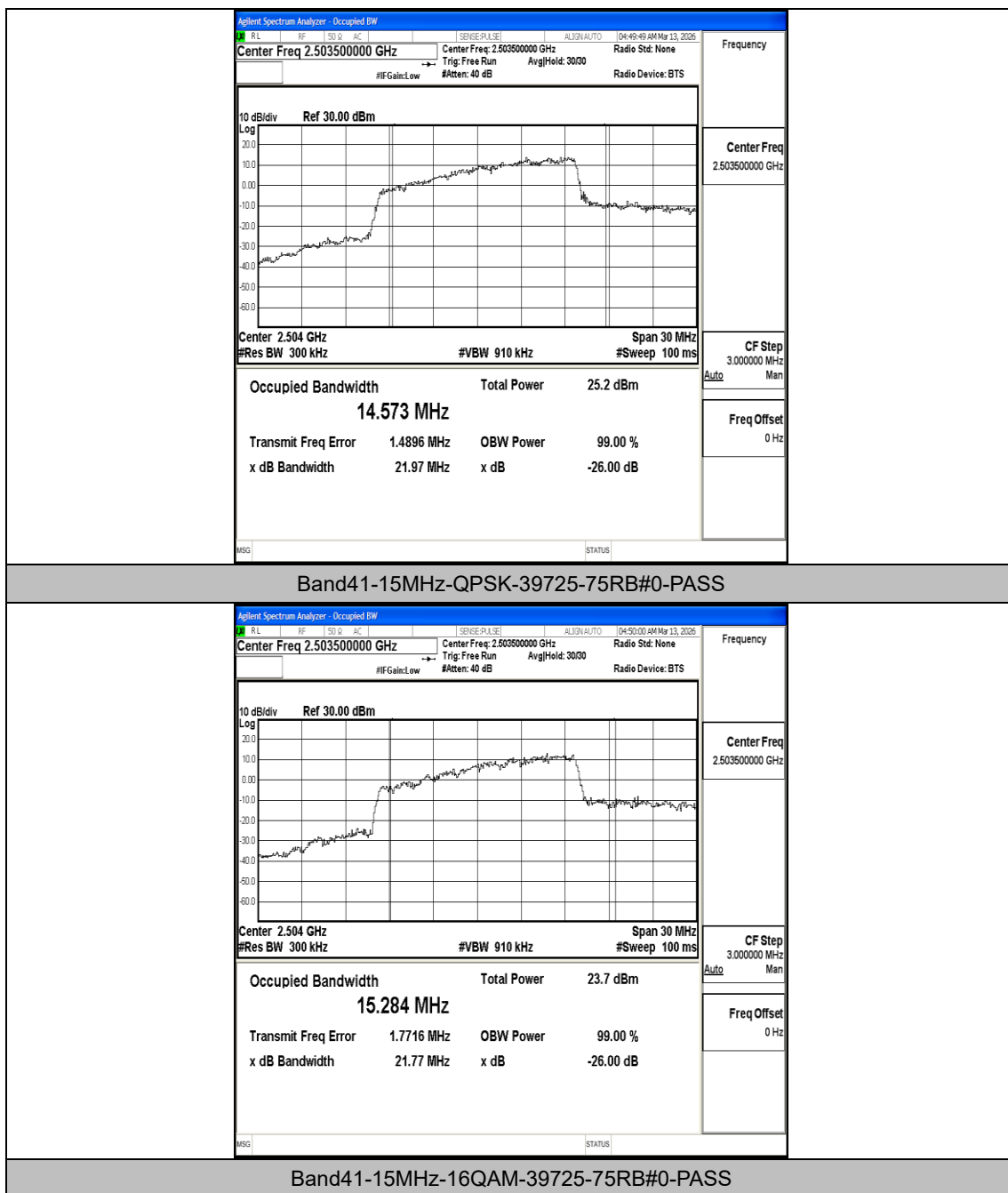
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	5.3519	8.158	PASS
Band41	5MHz	16QAM	39675	25RB#0	5.2436	8.414	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5104	5.073	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5067	5.055	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.3899	4.865	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.3806	4.935	PASS
Band41	15MHz	QPSK	39725	75RB#0	14.573	21.97	PASS
Band41	15MHz	16QAM	39725	75RB#0	15.284	21.77	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.470	14.83	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.1208	12.90	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.9446	13.32	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9885	9.937	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9977	9.783	PASS
Band41	10MHz	QPSK	41540	50RB#0	7.9328	9.426	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.3290	9.613	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.467	14.64	PASS
Band41	15MHz	QPSK	41515	75RB#0	10.912	13.90	PASS
Band41	15MHz	16QAM	41515	75RB#0	11.766	14.15	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.065	23.70	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.136	27.90	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.027	20.35	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.978	19.65	PASS
Band41	20MHz	QPSK	41490	100RB#0	16.600	18.83	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.107	19.09	PASS

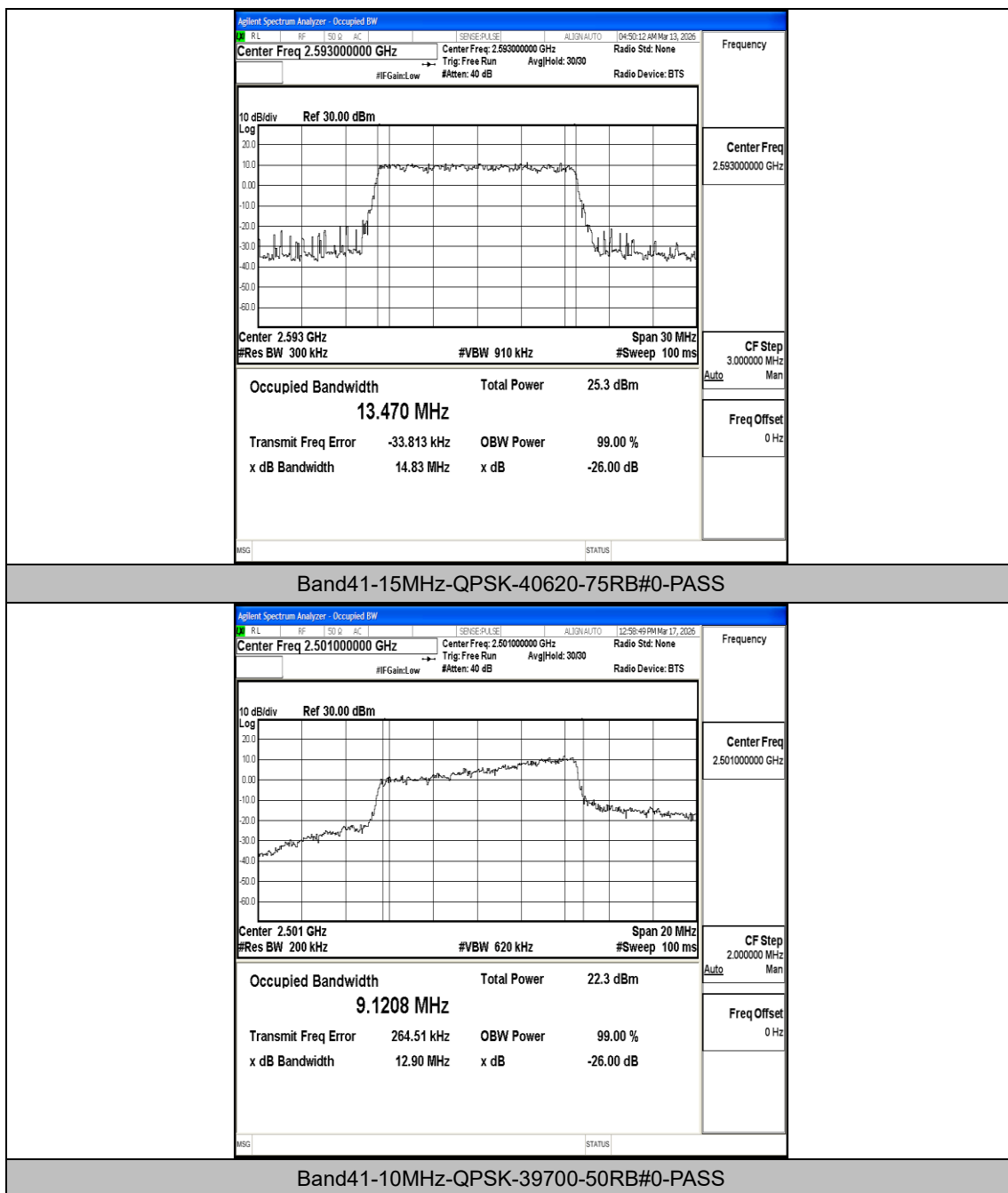
Test Graphs

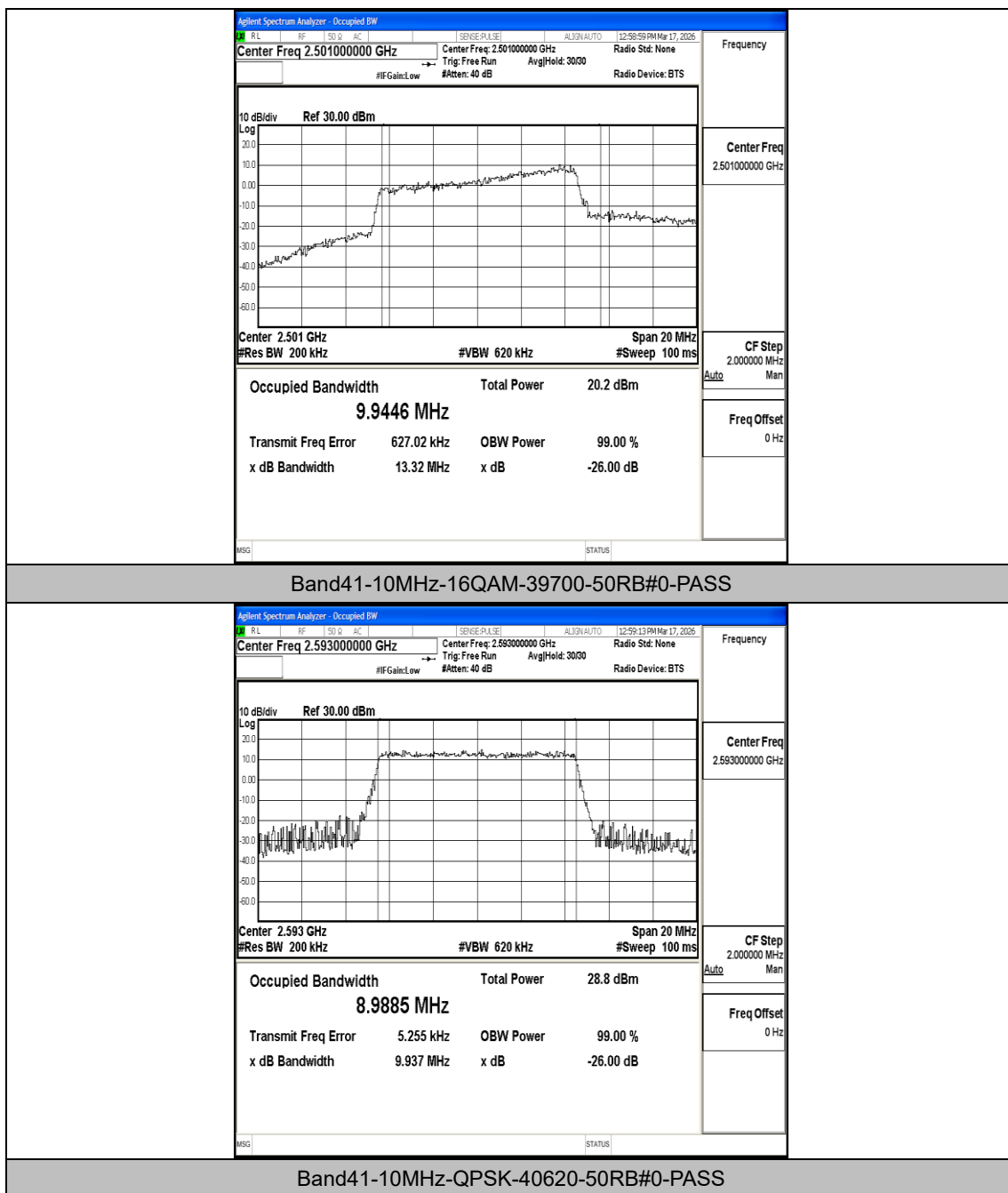


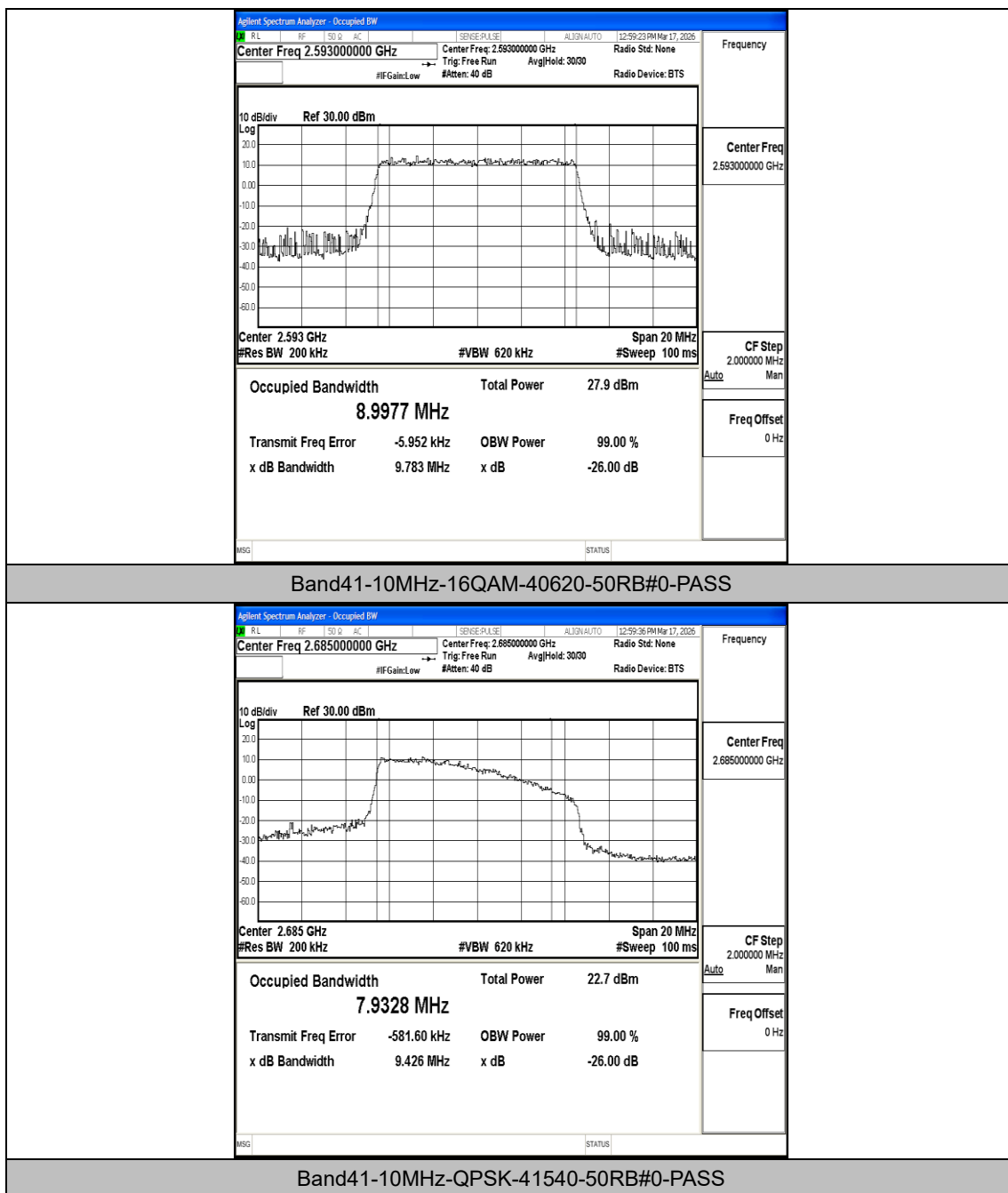


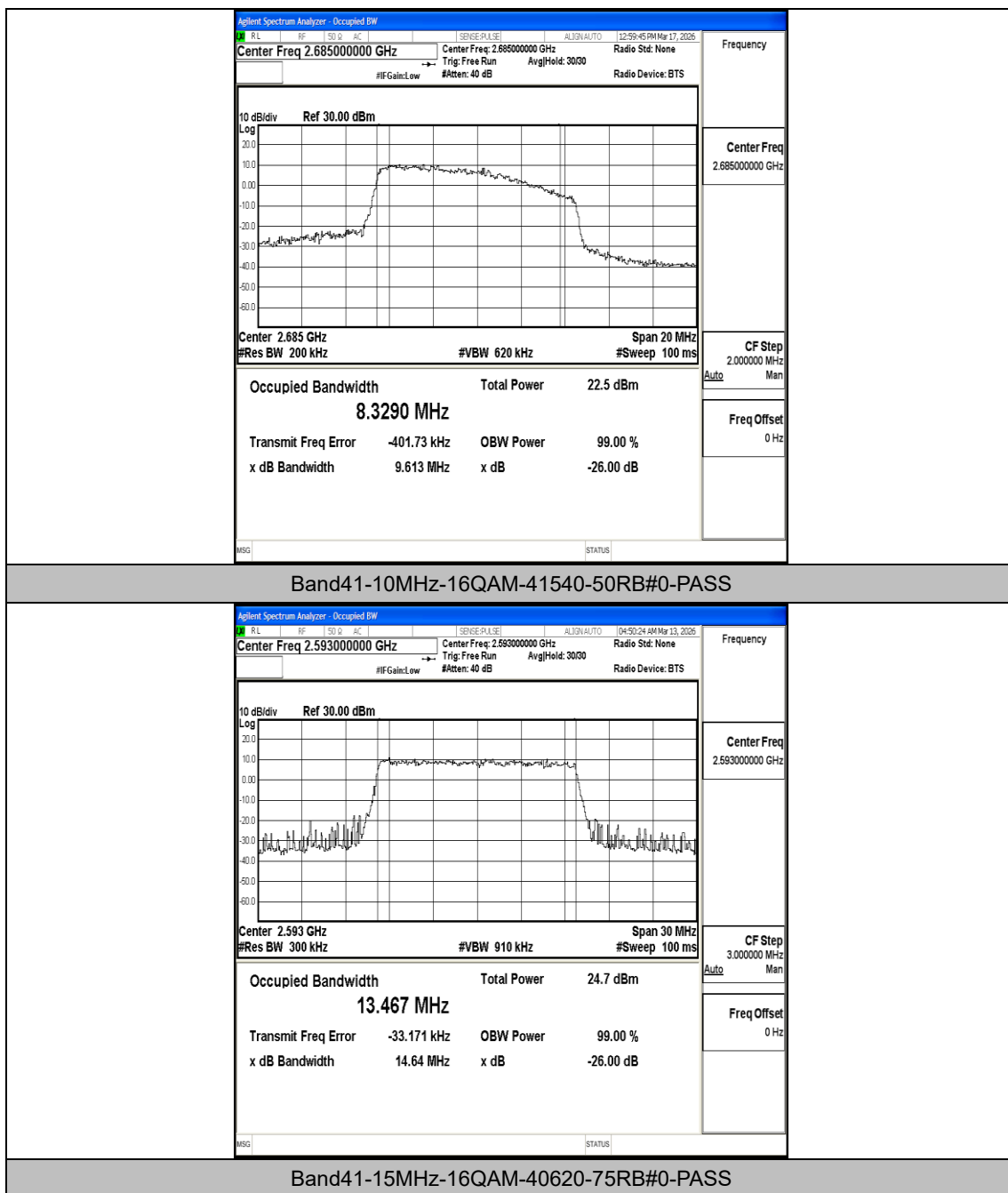


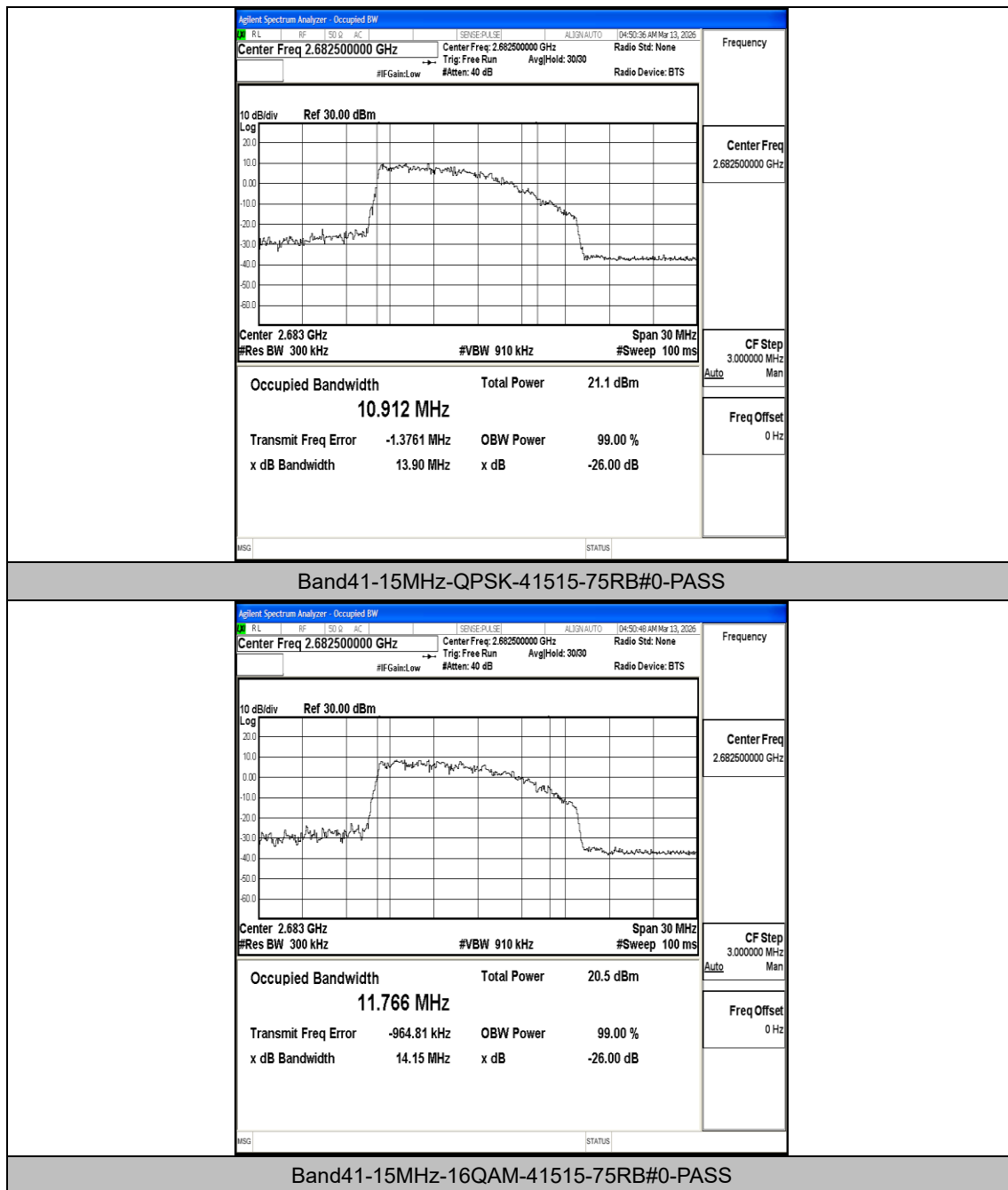


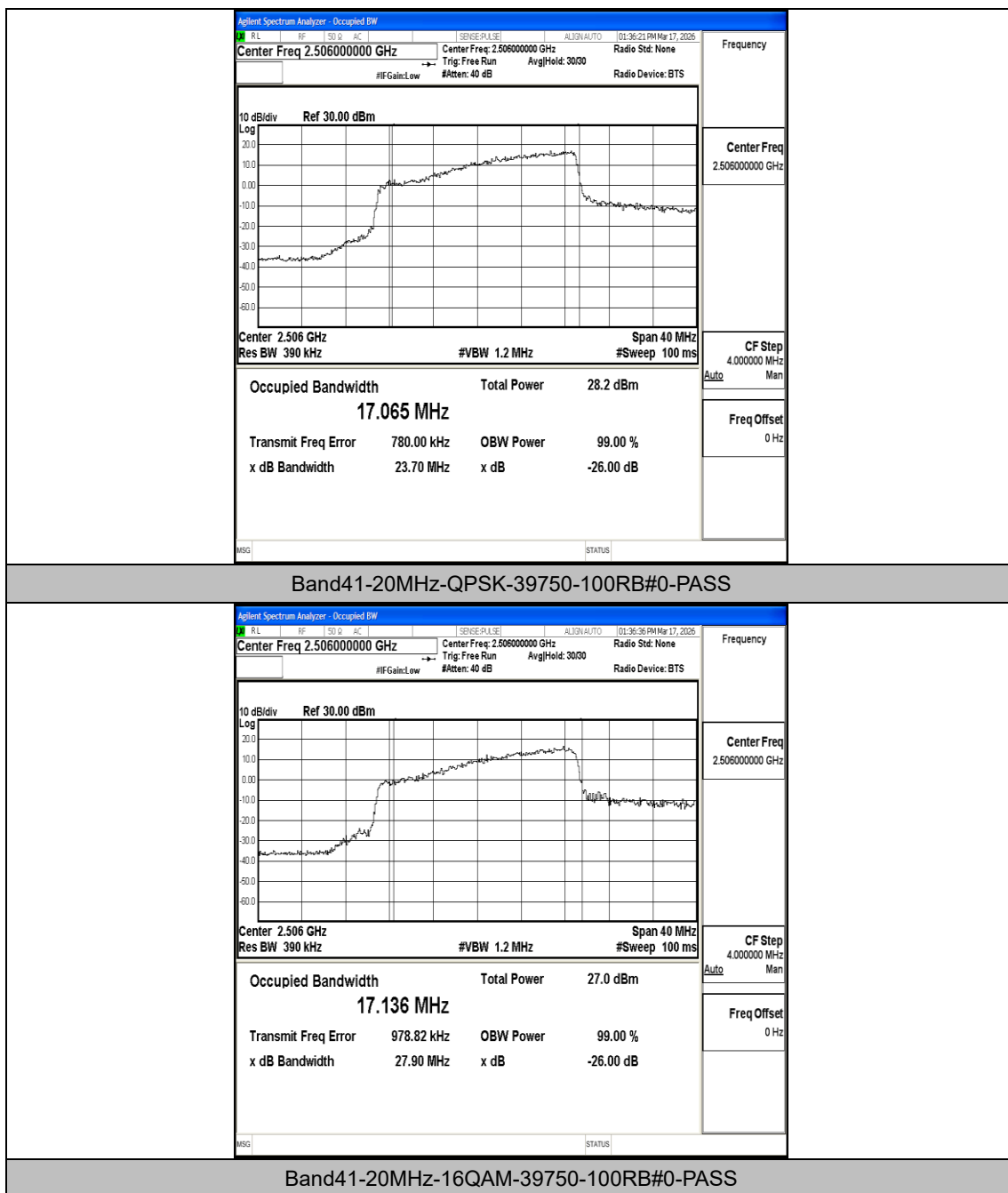


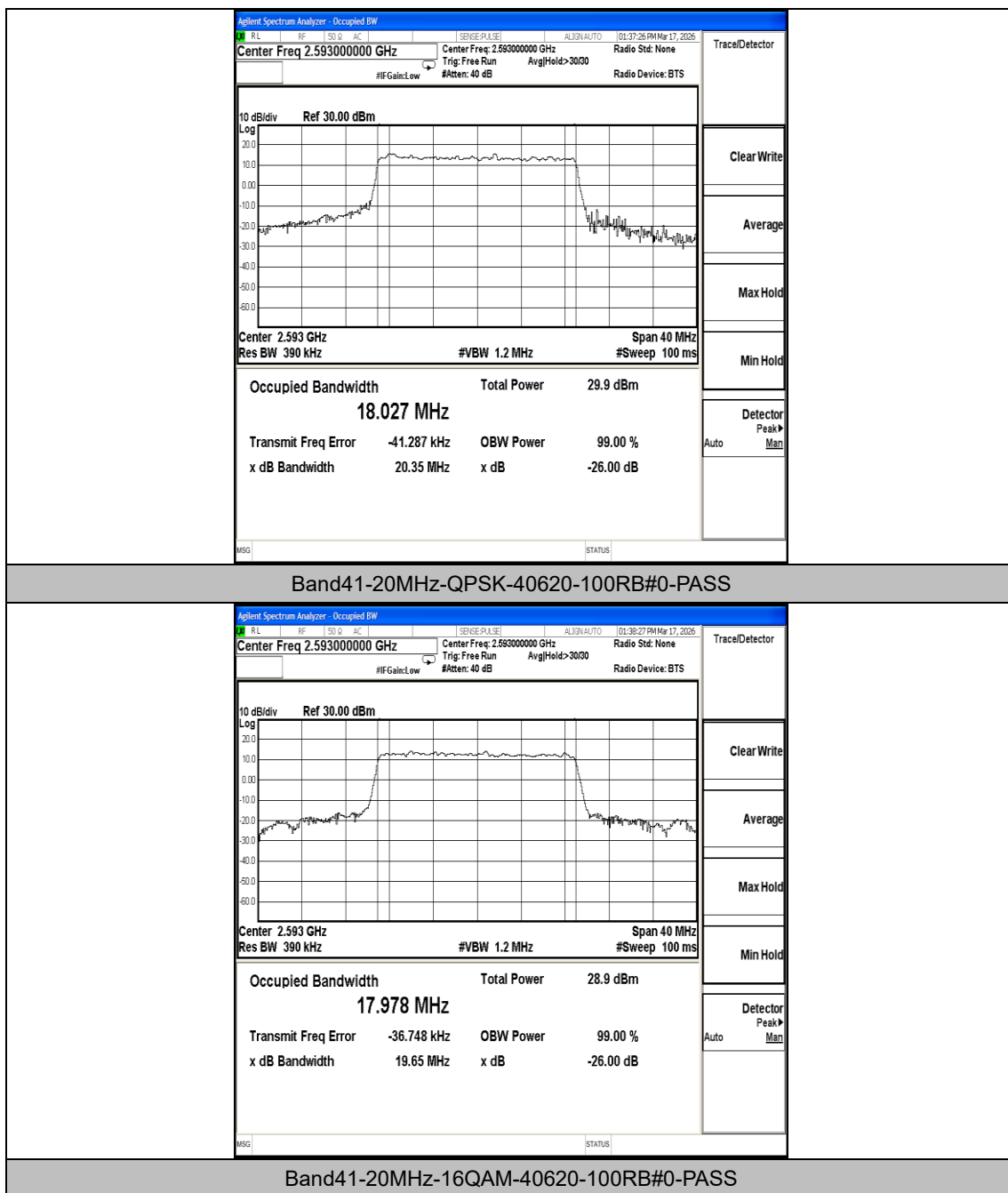


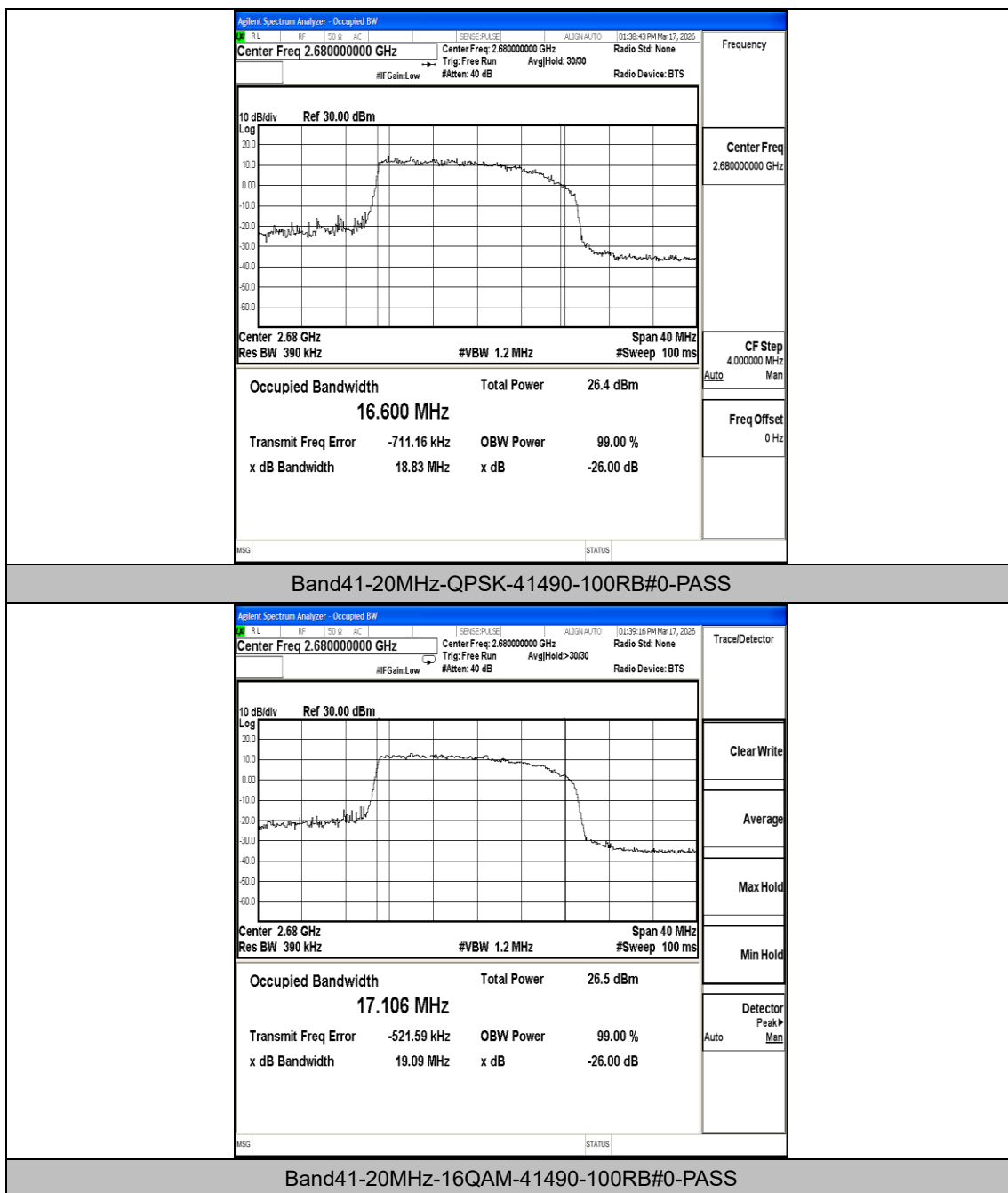










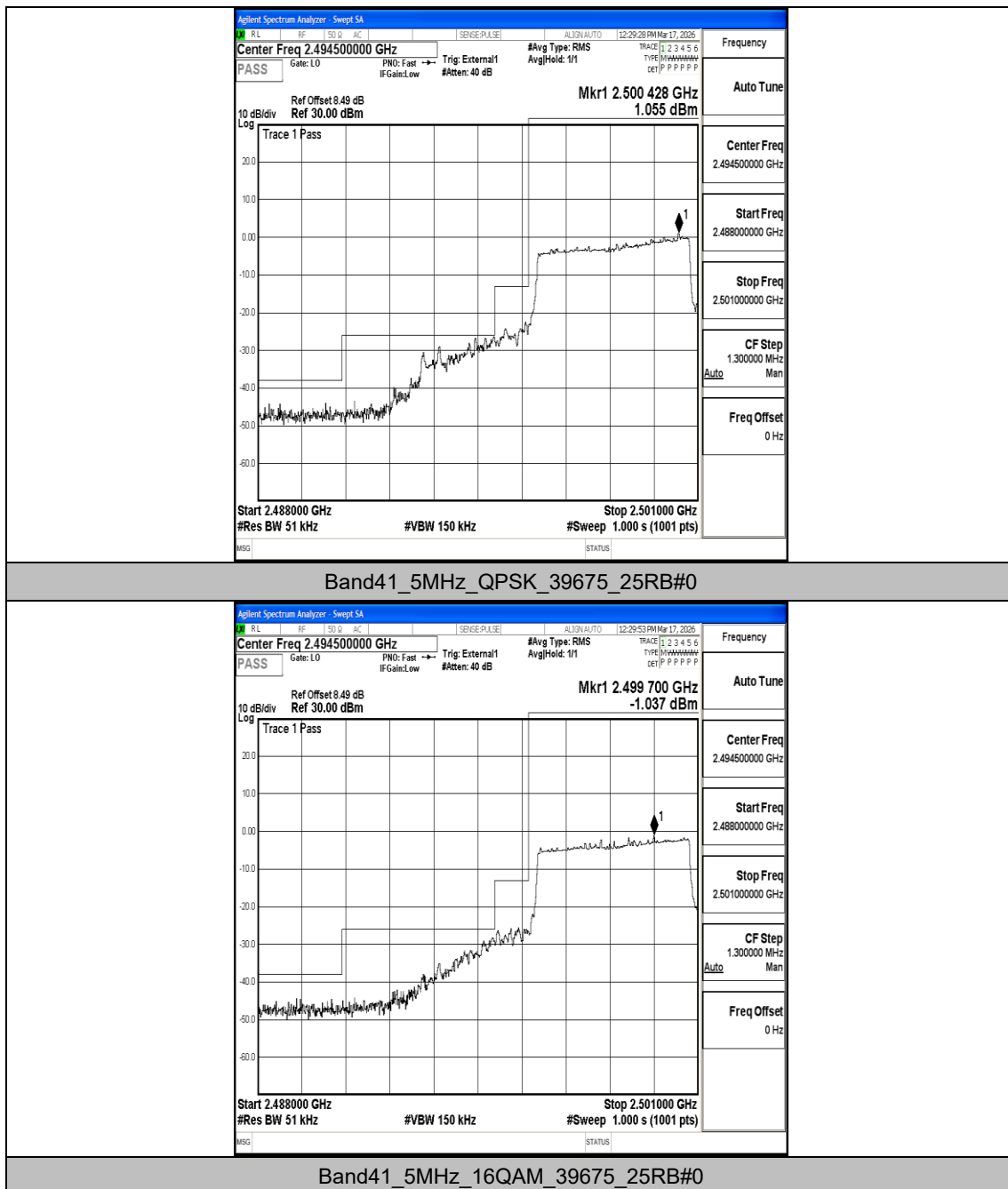


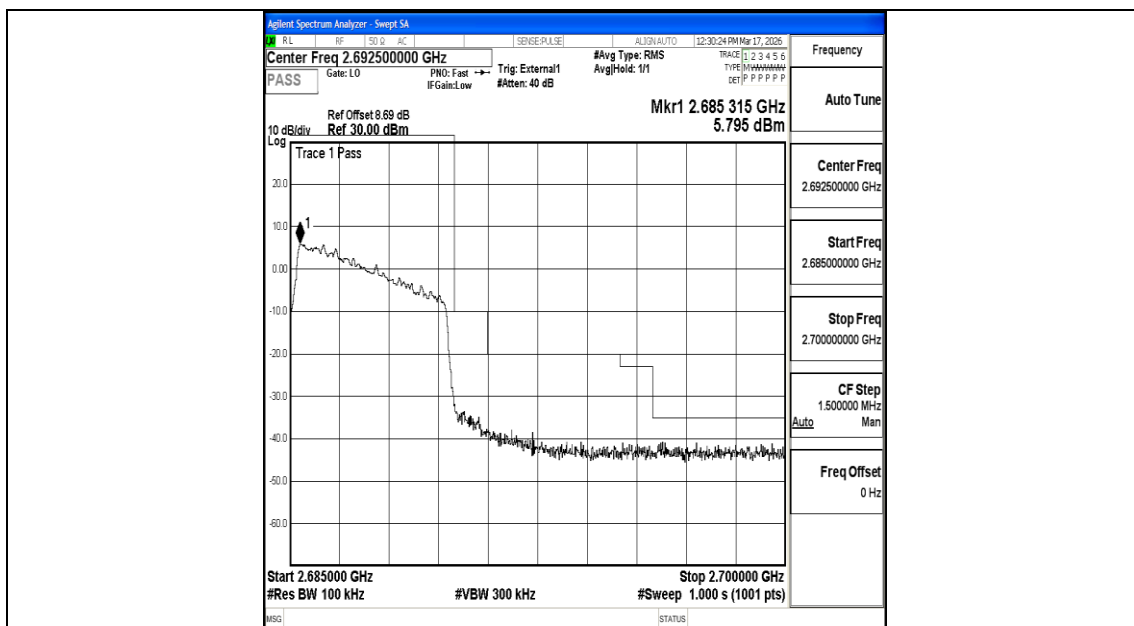
C Band Edge

Test Result

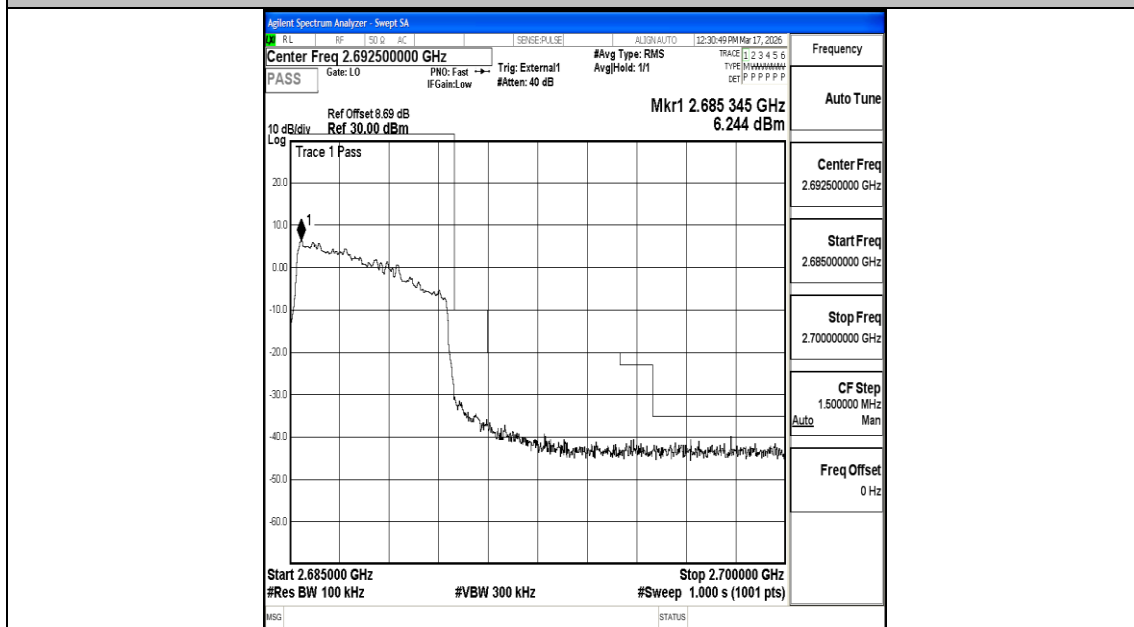
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	2494.98	-26.30	PASS
Band41	5MHz	16QAM	39675	25RB#0	2494.93	-28.22	PASS
Band41	5MHz	QPSK	41565	25RB#0	2696.28	-40.86	PASS
Band41	5MHz	16QAM	41565	25RB#0	2698.35	-39.85	PASS
Band41	10MHz	QPSK	39700	50RB#0	2494.97	-25.50	PASS
Band41	15MHz	QPSK	39725	75RB#0	2489.20	-39.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	2490.09	-39.40	PASS
Band41	15MHz	QPSK	41515	75RB#0	2707.80	-34.66	PASS
Band41	15MHz	16QAM	41515	75RB#0	2706.78	-35.76	PASS
Band41	20MHz	QPSK	39750	100RB#0	2488.17	-38.36	PASS
Band41	10MHz	16QAM	39700	50RB#0	2494.91	-28.15	PASS
Band41	10MHz	QPSK	41540	50RB#0	2703.33	-37.04	PASS
Band41	10MHz	16QAM	41540	50RB#0	2703.53	-37.56	PASS
Band41	20MHz	16QAM	39750	100RB#0	2489.51	-38.21	PASS
Band41	20MHz	QPSK	41490	100RB#0	2713.16	-34.33	PASS
Band41	20MHz	16QAM	41490	100RB#0	2711.54	-33.83	PASS

Test Graphs

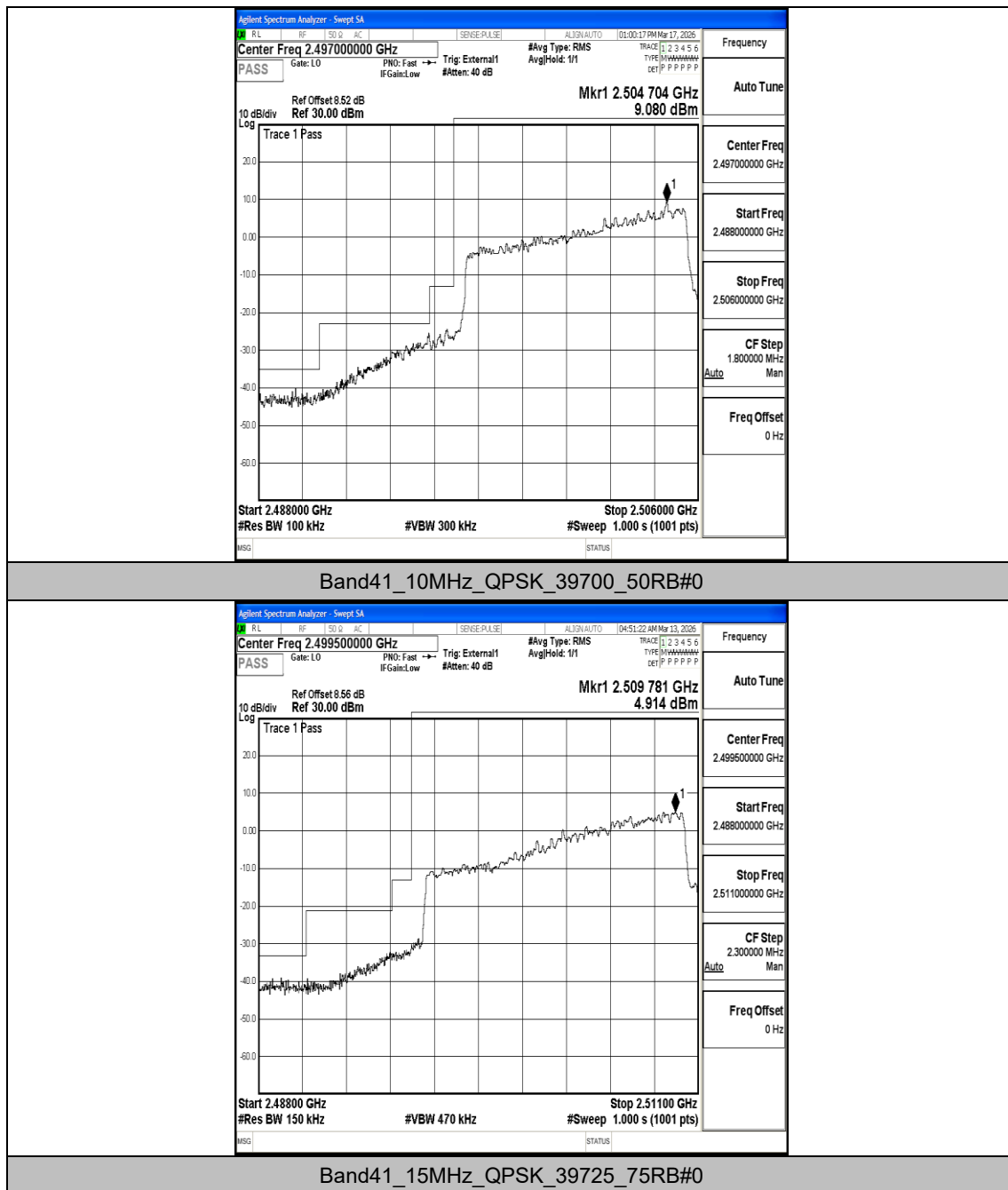


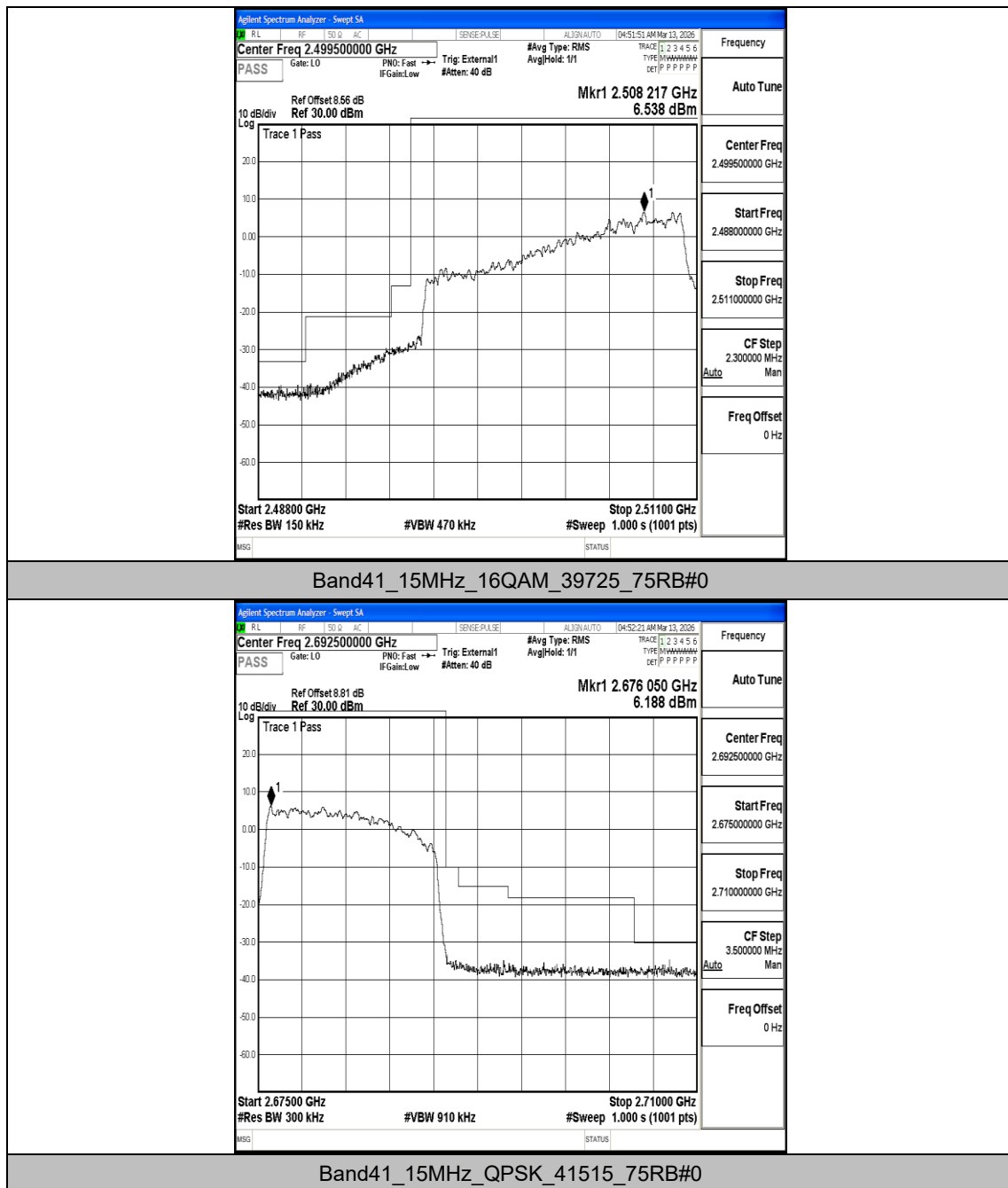


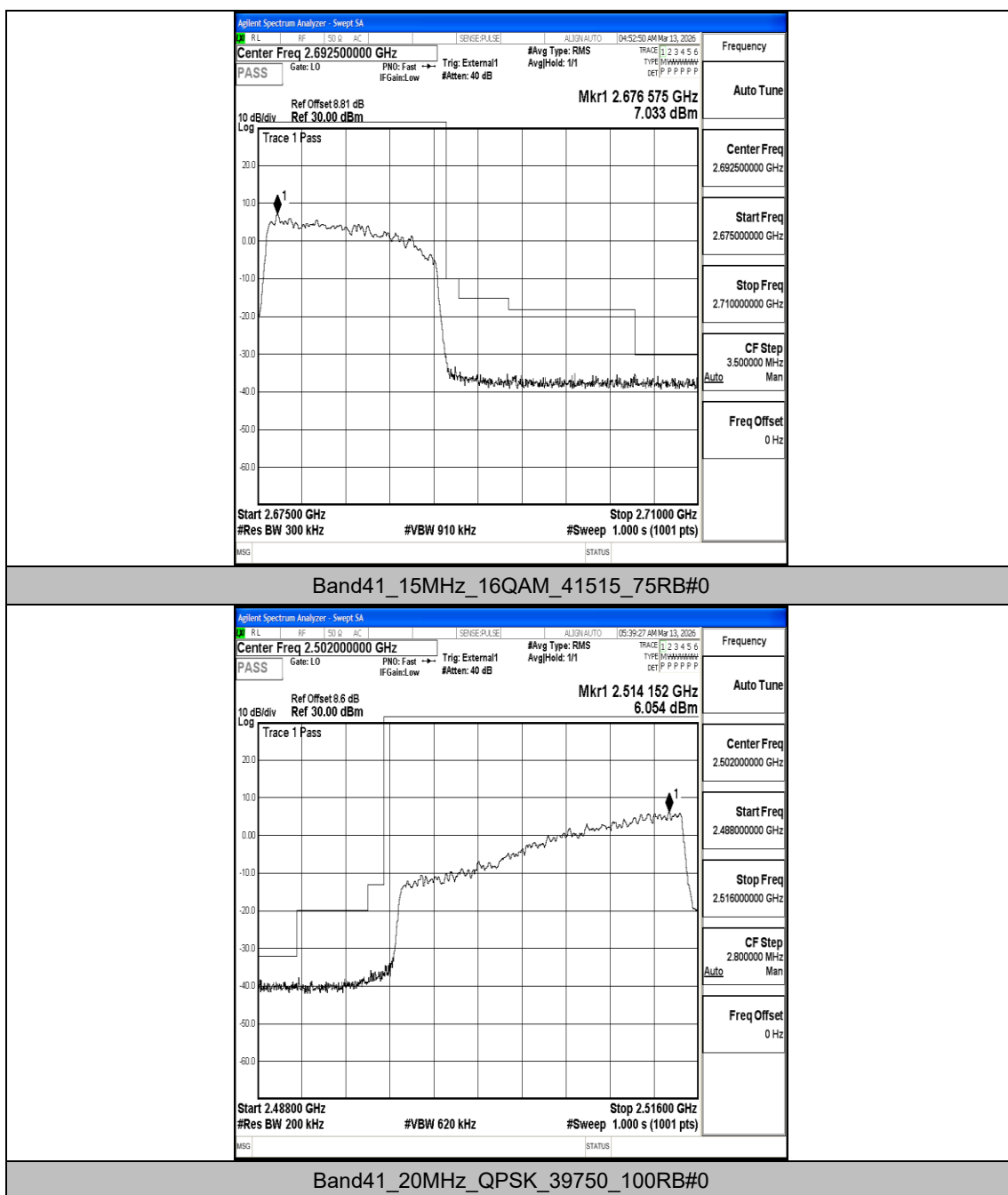
Band41_5MHz_QPSK_41565_25RB#0

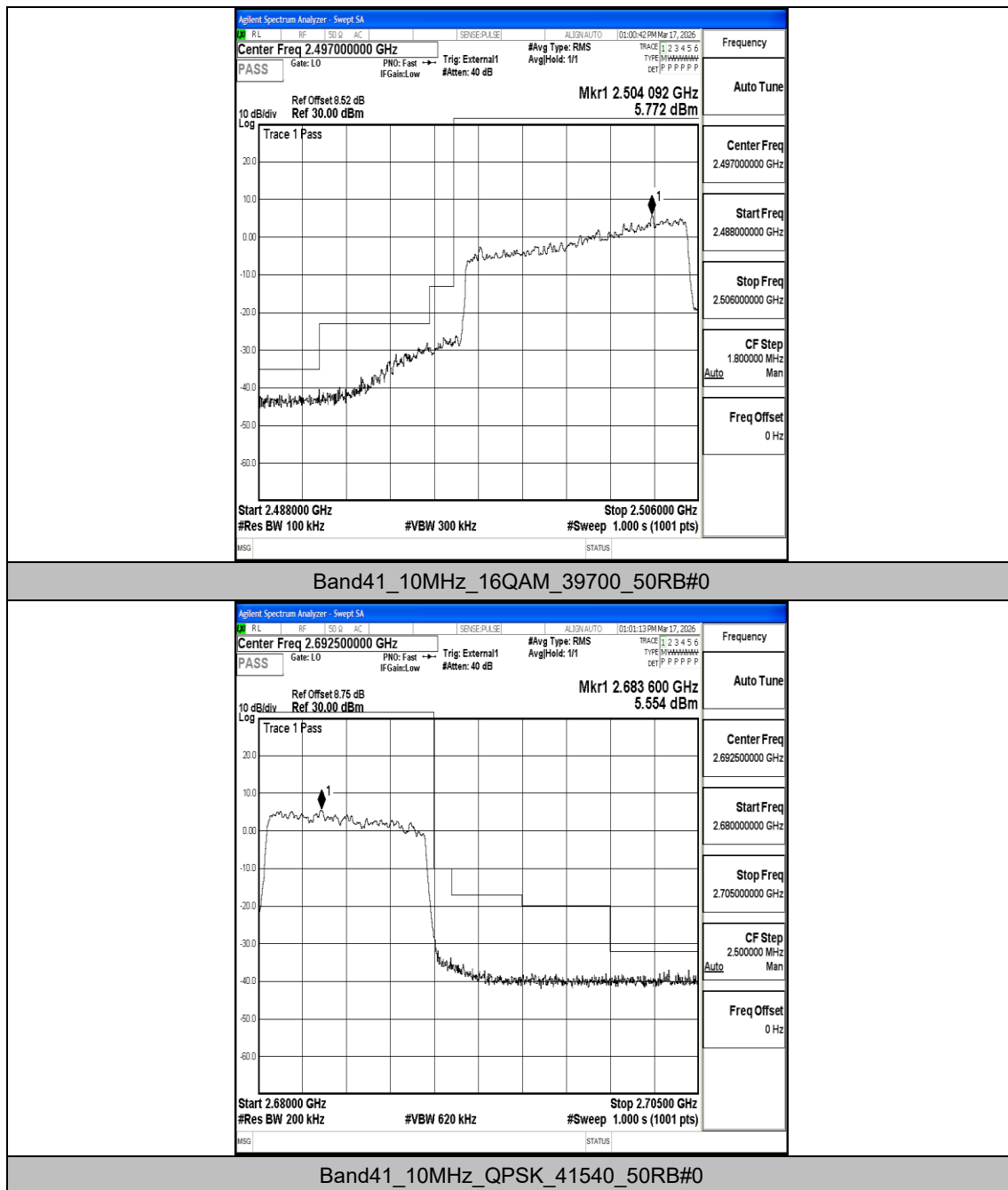


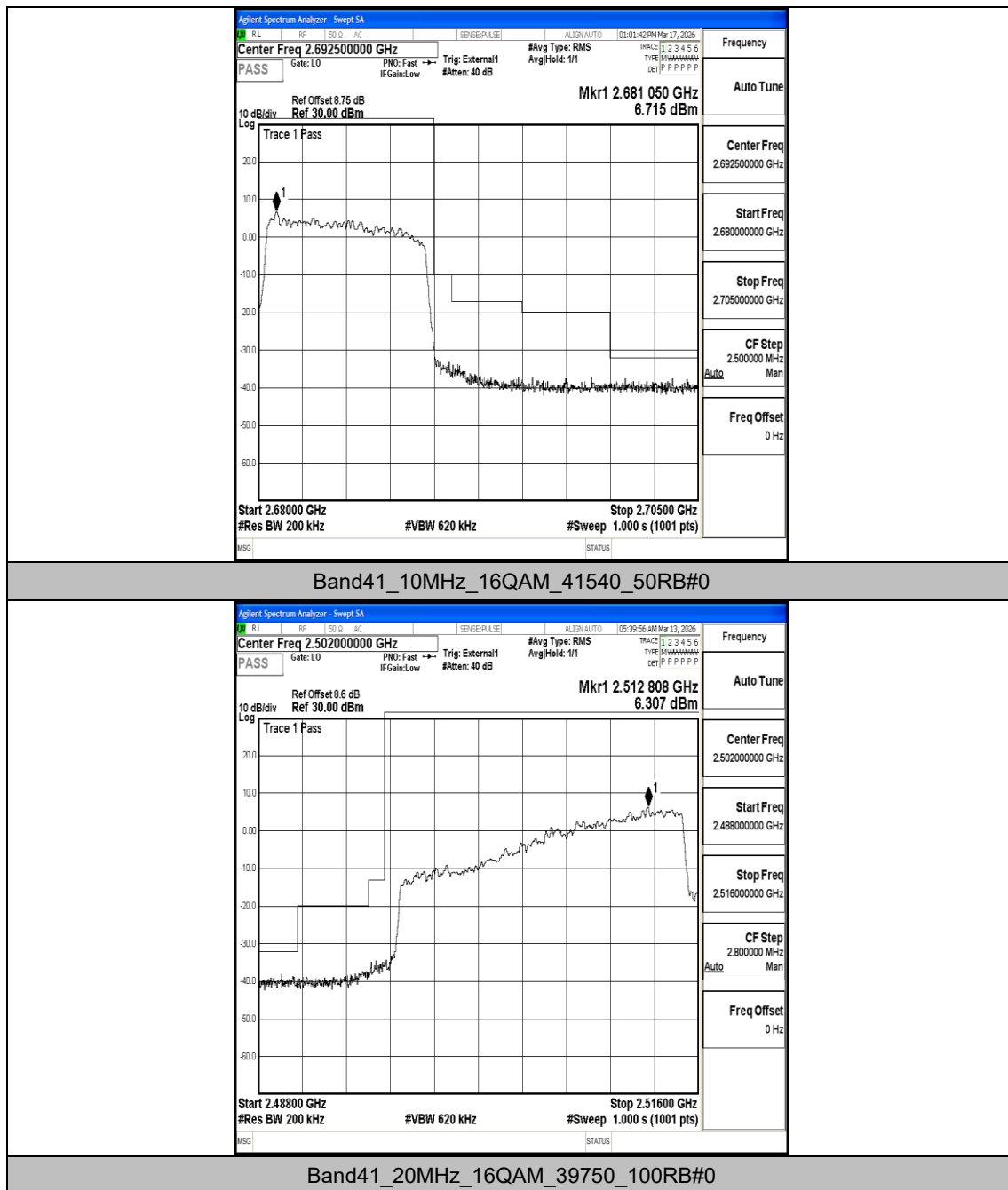
Band41_5MHz_16QAM_41565_25RB#0

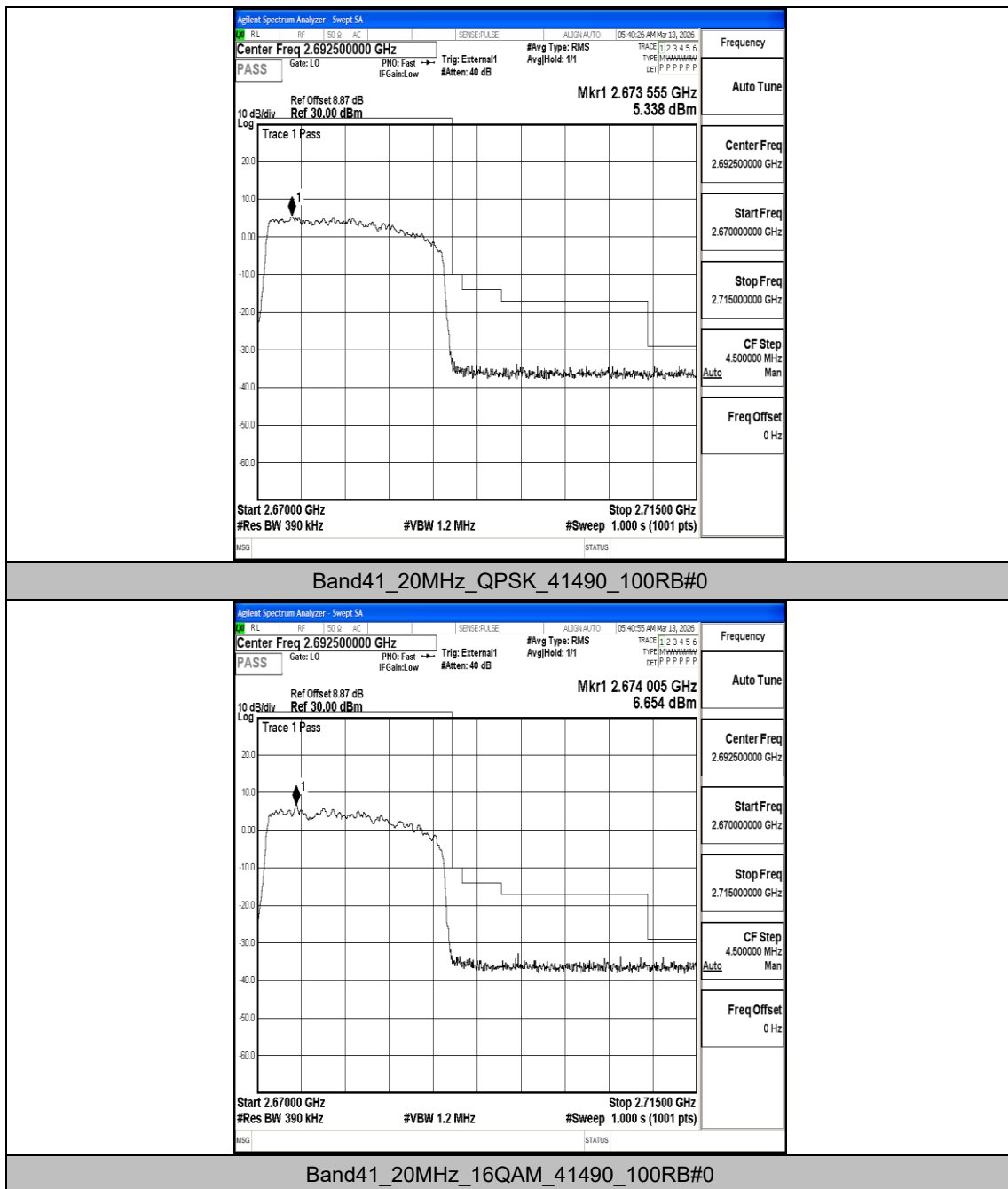












D Conducted Spurious Emission

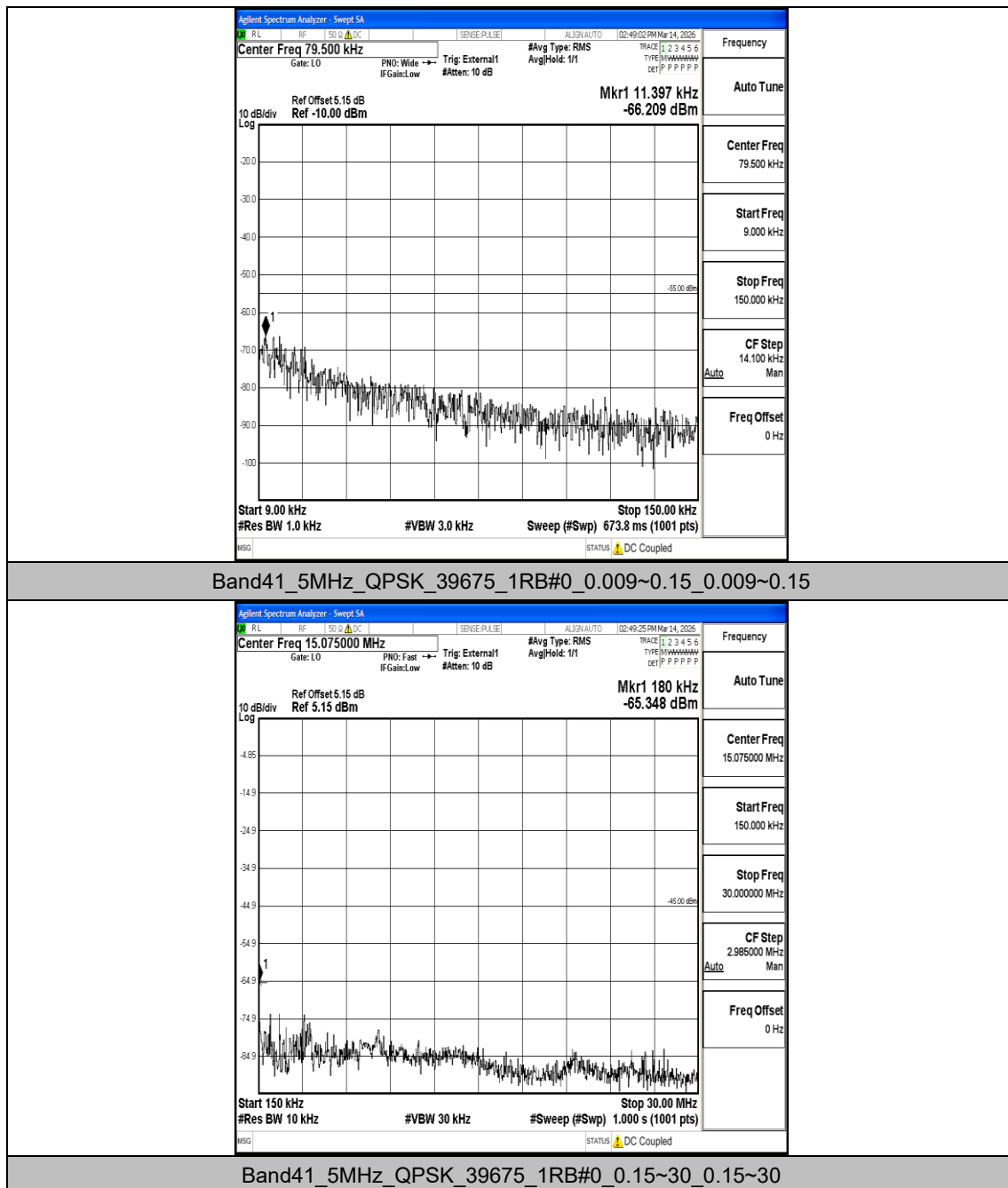
Test Result

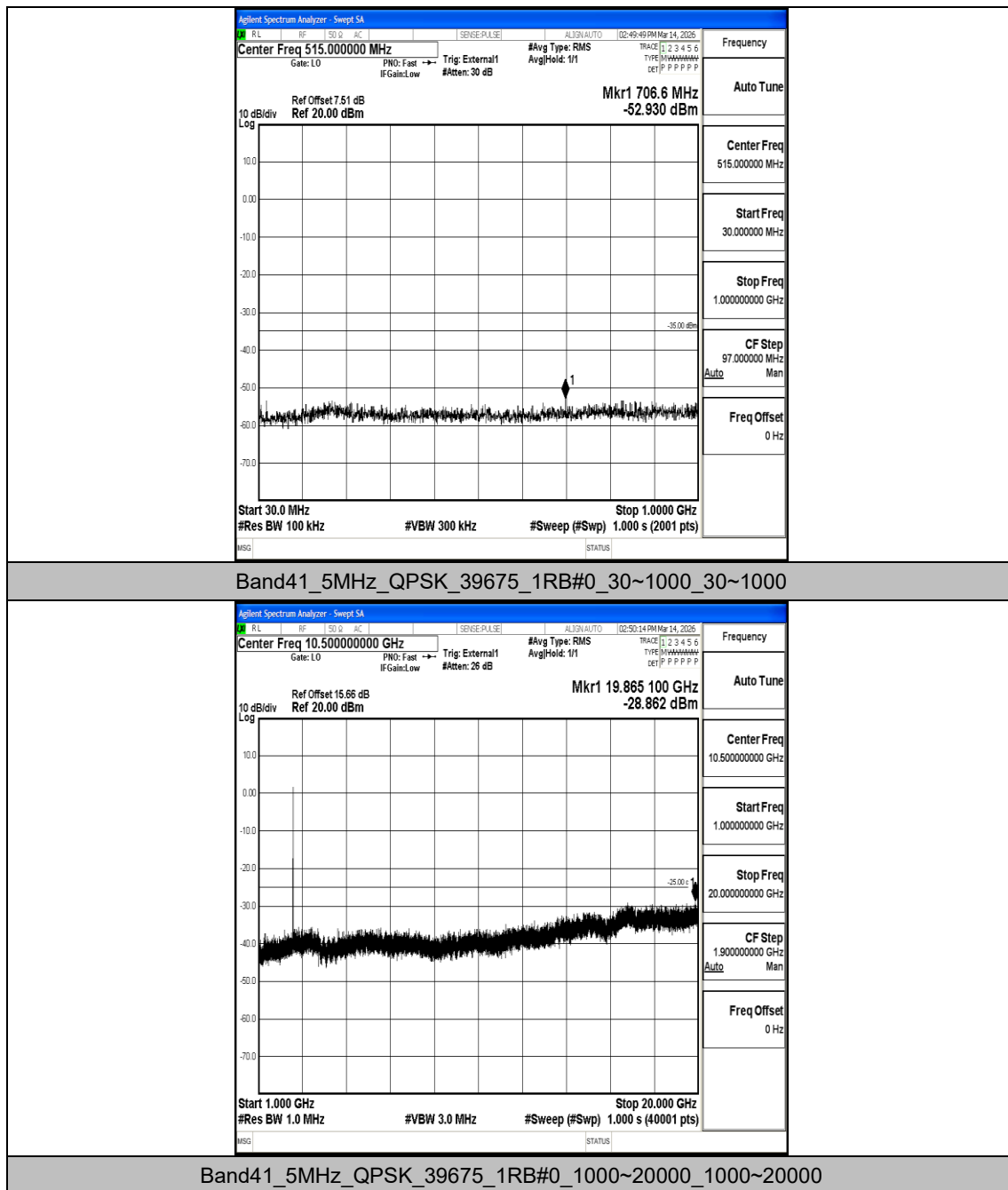
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	0.009~0.15	-66.21	PASS
Band41	5MHz	QPSK	39675	1RB#0	0.15~30	-65.35	PASS
Band41	5MHz	QPSK	39675	1RB#0	30~1000	-52.93	PASS
Band41	5MHz	QPSK	39675	1RB#0	1000~20000	-28.86	PASS
Band41	5MHz	QPSK	39675	1RB#0	20000~27000	-35.82	PASS
Band41	5MHz	16QAM	39675	1RB#0	0.009~0.15	-65.73	PASS
Band41	5MHz	16QAM	39675	1RB#0	0.15~30	-55.15	PASS
Band41	5MHz	16QAM	39675	1RB#0	30~1000	-52.81	PASS
Band41	5MHz	16QAM	39675	1RB#0	1000~20000	-28.91	PASS
Band41	5MHz	16QAM	39675	1RB#0	20000~27000	-35.82	PASS
Band41	5MHz	QPSK	40620	1RB#0	0.009~0.15	-65.75	PASS
Band41	5MHz	QPSK	40620	1RB#0	0.15~30	-49.32	PASS
Band41	5MHz	QPSK	40620	1RB#0	30~1000	-52.47	PASS
Band41	5MHz	QPSK	40620	1RB#0	1000~20000	-28.44	PASS
Band41	5MHz	QPSK	40620	1RB#0	20000~27000	-36.05	PASS
Band41	5MHz	16QAM	40620	1RB#0	0.009~0.15	-66.29	PASS
Band41	5MHz	16QAM	40620	1RB#0	0.15~30	-56.67	PASS
Band41	5MHz	16QAM	40620	1RB#0	30~1000	-52.95	PASS
Band41	5MHz	16QAM	40620	1RB#0	1000~20000	-28.51	PASS
Band41	5MHz	16QAM	40620	1RB#0	20000~27000	-35.75	PASS
Band41	5MHz	QPSK	41565	1RB#0	0.009~0.15	-66.95	PASS
Band41	5MHz	QPSK	41565	1RB#0	0.15~30	-58.39	PASS
Band41	5MHz	QPSK	41565	1RB#0	30~1000	-52.63	PASS
Band41	5MHz	QPSK	41565	1RB#0	1000~20000	-28.65	PASS
Band41	5MHz	QPSK	41565	1RB#0	20000~27000	-37.01	PASS
Band41	5MHz	16QAM	41565	1RB#0	0.009~0.15	-66.05	PASS
Band41	5MHz	16QAM	41565	1RB#0	0.15~30	-65.03	PASS
Band41	5MHz	16QAM	41565	1RB#0	30~1000	-52.56	PASS
Band41	5MHz	16QAM	41565	1RB#0	1000~20000	-27.68	PASS
Band41	5MHz	16QAM	41565	1RB#0	20000~27000	-36.06	PASS
Band41	10MHz	QPSK	39700	1RB#0	0.009~0.15	-64.67	PASS
Band41	10MHz	QPSK	39700	1RB#0	0.15~30	-64.03	PASS
Band41	10MHz	QPSK	39700	1RB#0	30~1000	-52.65	PASS
Band41	10MHz	QPSK	39700	1RB#0	1000~20000	-28.25	PASS
Band41	10MHz	QPSK	39700	1RB#0	20000~27000	-35.88	PASS
Band41	10MHz	16QAM	39700	1RB#0	0.009~0.15	-67.67	PASS

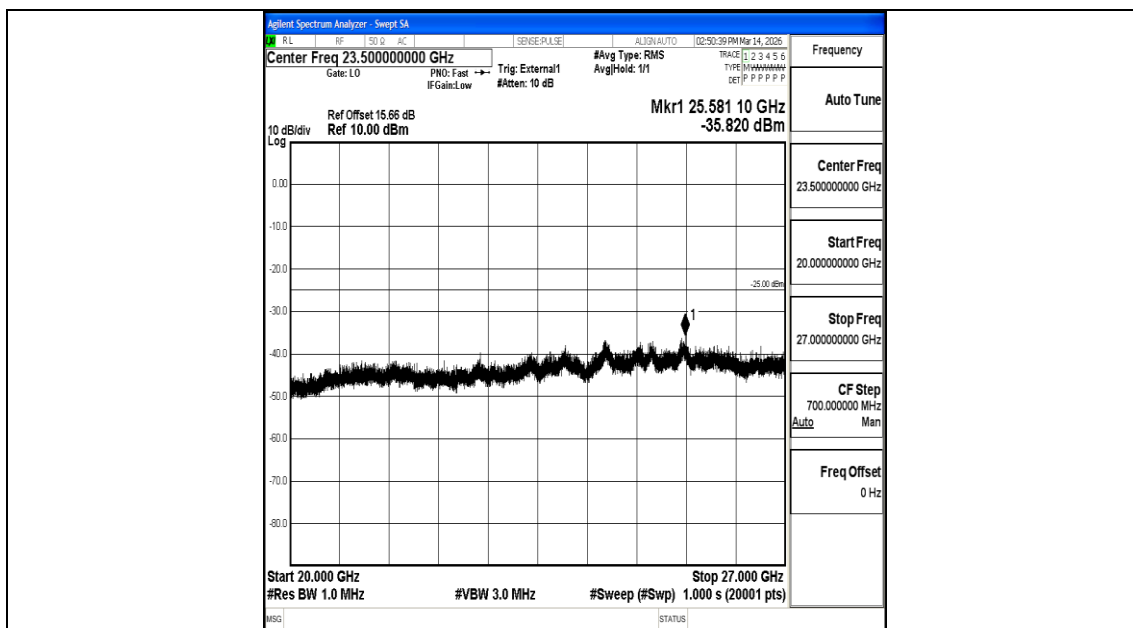
Band41	10MHz	16QAM	39700	1RB#0	0.15~30	-57.93	PASS
Band41	10MHz	16QAM	39700	1RB#0	30~1000	-52.87	PASS
Band41	10MHz	16QAM	39700	1RB#0	1000~20000	-28.29	PASS
Band41	10MHz	16QAM	39700	1RB#0	20000~27000	-36.27	PASS
Band41	10MHz	QPSK	40620	1RB#0	0.009~0.15	-65.54	PASS
Band41	10MHz	QPSK	40620	1RB#0	0.15~30	-48.59	PASS
Band41	10MHz	QPSK	40620	1RB#0	30~1000	-52.93	PASS
Band41	10MHz	QPSK	40620	1RB#0	1000~20000	-28.29	PASS
Band41	10MHz	QPSK	40620	1RB#0	20000~27000	-36.02	PASS
Band41	10MHz	16QAM	40620	1RB#0	0.009~0.15	-65.65	PASS
Band41	10MHz	16QAM	40620	1RB#0	0.15~30	-62.97	PASS
Band41	10MHz	16QAM	40620	1RB#0	30~1000	-53.51	PASS
Band41	10MHz	16QAM	40620	1RB#0	1000~20000	-28.23	PASS
Band41	10MHz	16QAM	40620	1RB#0	20000~27000	-36.50	PASS
Band41	10MHz	QPSK	41540	1RB#0	0.009~0.15	-62.59	PASS
Band41	10MHz	QPSK	41540	1RB#0	0.15~30	-58.21	PASS
Band41	10MHz	QPSK	41540	1RB#0	30~1000	-52.27	PASS
Band41	10MHz	QPSK	41540	1RB#0	1000~20000	-29.21	PASS
Band41	10MHz	QPSK	41540	1RB#0	20000~27000	-36.17	PASS
Band41	10MHz	16QAM	41540	1RB#0	0.009~0.15	-66.33	PASS
Band41	10MHz	16QAM	41540	1RB#0	0.15~30	-55.16	PASS
Band41	10MHz	16QAM	41540	1RB#0	30~1000	-53.56	PASS
Band41	10MHz	16QAM	41540	1RB#0	1000~20000	-28.93	PASS
Band41	10MHz	16QAM	41540	1RB#0	20000~27000	-36.41	PASS
Band41	15MHz	QPSK	39725	1RB#0	30~1000	-52.62	PASS
Band41	15MHz	QPSK	39725	1RB#0	1000~20000	-28.52	PASS
Band41	15MHz	QPSK	39725	1RB#0	20000~27000	-35.88	PASS
Band41	15MHz	16QAM	39725	1RB#0	0.009~0.15	-65.84	PASS
Band41	15MHz	QPSK	39725	1RB#0	0.009~0.15	-65.97	PASS
Band41	15MHz	QPSK	39725	1RB#0	0.15~30	-63.73	PASS
Band41	15MHz	16QAM	39725	1RB#0	0.15~30	-52.73	PASS
Band41	15MHz	16QAM	39725	1RB#0	30~1000	-52.79	PASS
Band41	15MHz	16QAM	39725	1RB#0	1000~20000	-28.21	PASS
Band41	15MHz	16QAM	39725	1RB#0	20000~27000	-36.18	PASS
Band41	15MHz	QPSK	40620	1RB#0	0.009~0.15	-63.90	PASS
Band41	15MHz	QPSK	40620	1RB#0	0.15~30	-46.54	PASS
Band41	15MHz	QPSK	40620	1RB#0	30~1000	-53.26	PASS
Band41	15MHz	QPSK	40620	1RB#0	1000~20000	-28.96	PASS
Band41	15MHz	QPSK	40620	1RB#0	20000~27000	-36.50	PASS
Band41	15MHz	16QAM	40620	1RB#0	0.009~0.15	-65.21	PASS
Band41	15MHz	16QAM	40620	1RB#0	0.15~30	-62.06	PASS
Band41	15MHz	16QAM	40620	1RB#0	30~1000	-52.39	PASS
Band41	15MHz	16QAM	40620	1RB#0	1000~20000	-28.01	PASS

Band41	15MHz	16QAM	40620	1RB#0	20000~27000	-36.44	PASS
Band41	15MHz	QPSK	41515	1RB#0	0.009~0.15	-65.08	PASS
Band41	15MHz	QPSK	41515	1RB#0	0.15~30	-50.41	PASS
Band41	15MHz	QPSK	41515	1RB#0	30~1000	-52.45	PASS
Band41	15MHz	QPSK	41515	1RB#0	1000~20000	-27.27	PASS
Band41	15MHz	QPSK	41515	1RB#0	20000~27000	-35.60	PASS
Band41	15MHz	16QAM	41515	1RB#0	0.009~0.15	-65.85	PASS
Band41	15MHz	16QAM	41515	1RB#0	0.15~30	-49.01	PASS
Band41	15MHz	16QAM	41515	1RB#0	30~1000	-52.67	PASS
Band41	15MHz	16QAM	41515	1RB#0	1000~20000	-28.21	PASS
Band41	15MHz	16QAM	41515	1RB#0	20000~27000	-36.61	PASS
Band41	20MHz	QPSK	39750	1RB#0	0.009~0.15	-66.66	PASS
Band41	20MHz	QPSK	39750	1RB#0	0.15~30	-64.26	PASS
Band41	20MHz	QPSK	39750	1RB#0	30~1000	-53.49	PASS
Band41	20MHz	QPSK	39750	1RB#0	1000~20000	-28.76	PASS
Band41	20MHz	QPSK	39750	1RB#0	20000~27000	-36.69	PASS
Band41	20MHz	16QAM	39750	1RB#0	0.009~0.15	-66.91	PASS
Band41	20MHz	16QAM	39750	1RB#0	0.15~30	-66.21	PASS
Band41	20MHz	16QAM	39750	1RB#0	30~1000	-53.46	PASS
Band41	20MHz	16QAM	39750	1RB#0	1000~20000	-28.08	PASS
Band41	20MHz	16QAM	39750	1RB#0	20000~27000	-36.74	PASS
Band41	20MHz	QPSK	40620	1RB#0	0.009~0.15	-67.47	PASS
Band41	20MHz	QPSK	40620	1RB#0	0.15~30	-66.11	PASS
Band41	20MHz	QPSK	40620	1RB#0	30~1000	-53.28	PASS
Band41	20MHz	QPSK	40620	1RB#0	1000~20000	-28.27	PASS
Band41	20MHz	QPSK	40620	1RB#0	20000~27000	-36.58	PASS
Band41	20MHz	16QAM	40620	1RB#0	0.009~0.15	-66.94	PASS
Band41	20MHz	16QAM	40620	1RB#0	0.15~30	-65.94	PASS
Band41	20MHz	16QAM	40620	1RB#0	30~1000	-52.30	PASS
Band41	20MHz	16QAM	40620	1RB#0	1000~20000	-28.87	PASS
Band41	20MHz	16QAM	40620	1RB#0	20000~27000	-35.80	PASS
Band41	20MHz	QPSK	41490	1RB#0	0.009~0.15	-66.11	PASS
Band41	20MHz	QPSK	41490	1RB#0	0.15~30	-64.41	PASS
Band41	20MHz	QPSK	41490	1RB#0	30~1000	-52.52	PASS
Band41	20MHz	QPSK	41490	1RB#0	1000~20000	-28.67	PASS
Band41	20MHz	QPSK	41490	1RB#0	20000~27000	-35.88	PASS
Band41	20MHz	16QAM	41490	1RB#0	0.009~0.15	-66.26	PASS
Band41	20MHz	16QAM	41490	1RB#0	0.15~30	-58.15	PASS
Band41	20MHz	16QAM	41490	1RB#0	30~1000	-53.01	PASS
Band41	20MHz	16QAM	41490	1RB#0	1000~20000	-28.70	PASS
Band41	20MHz	16QAM	41490	1RB#0	20000~27000	-35.65	PASS

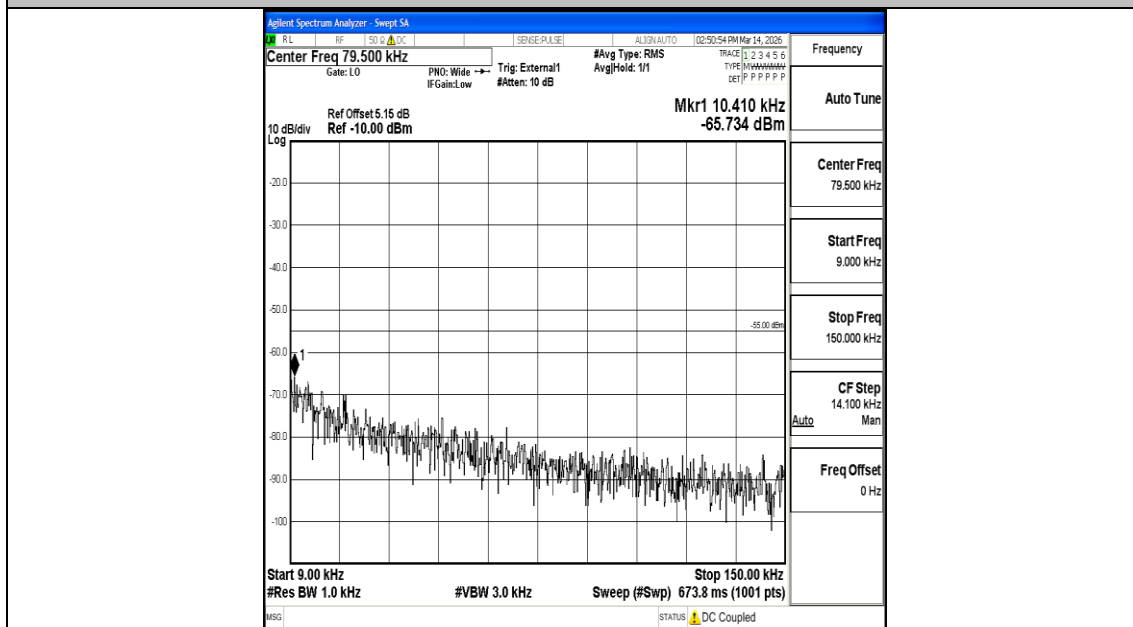
Test Graphs



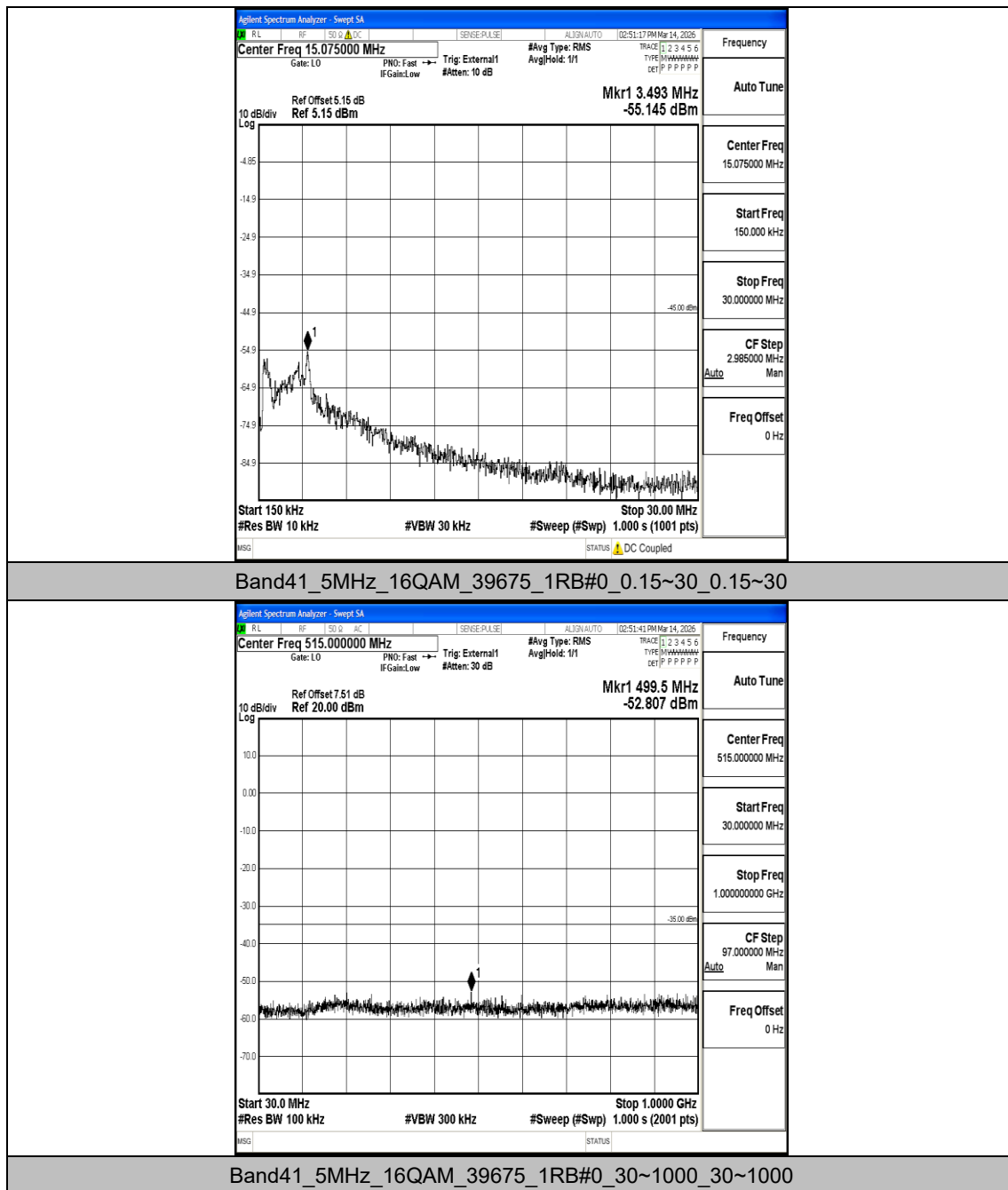


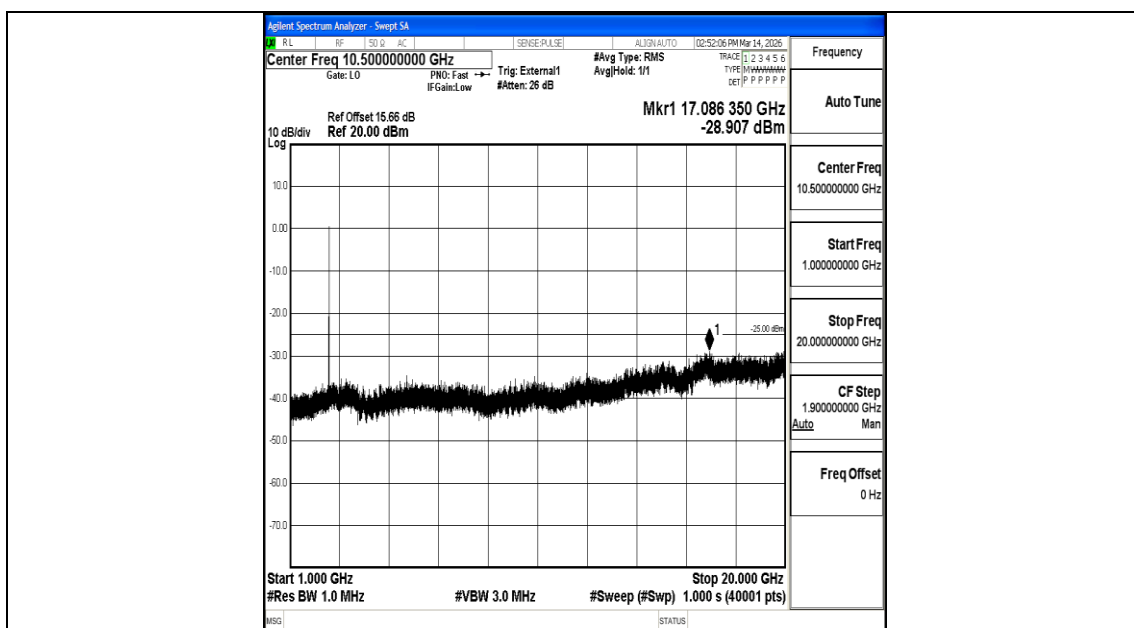


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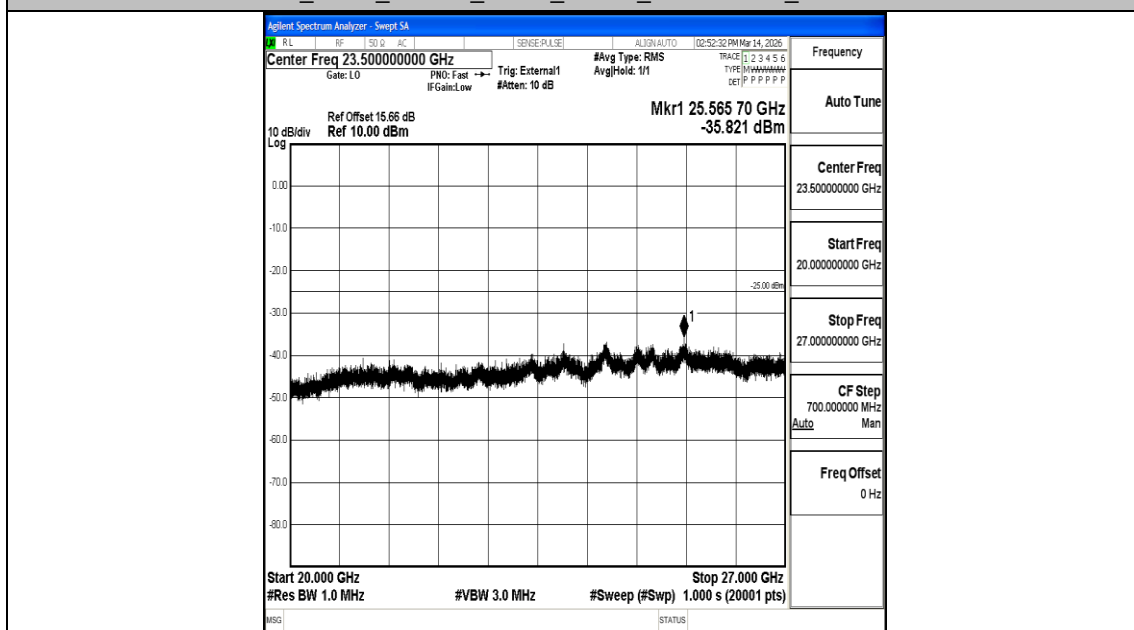


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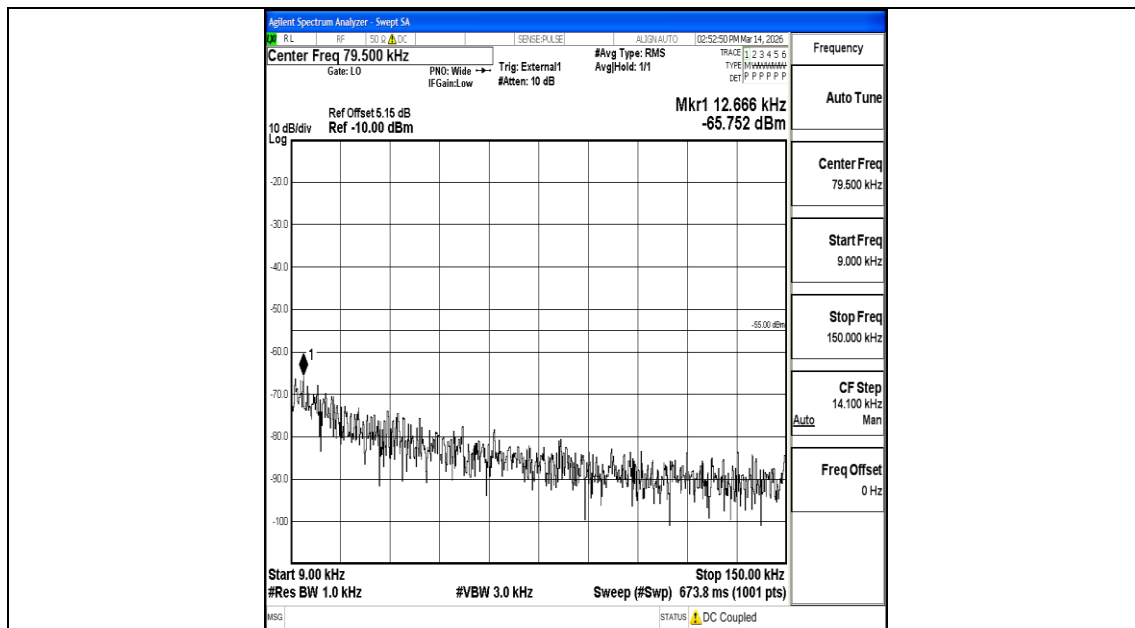




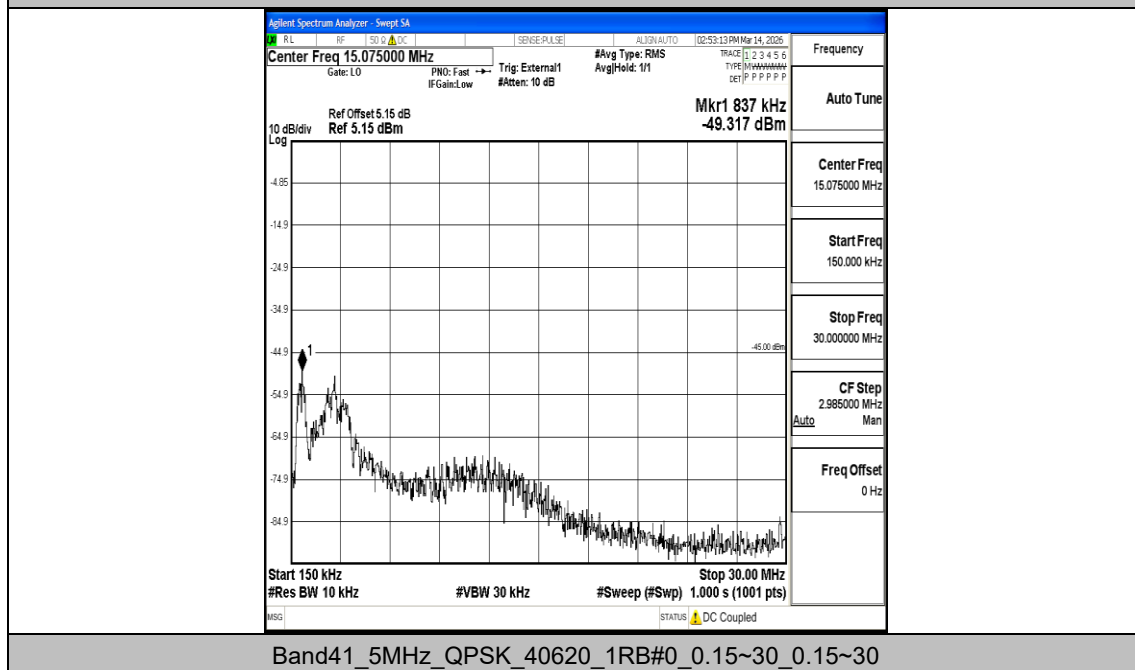
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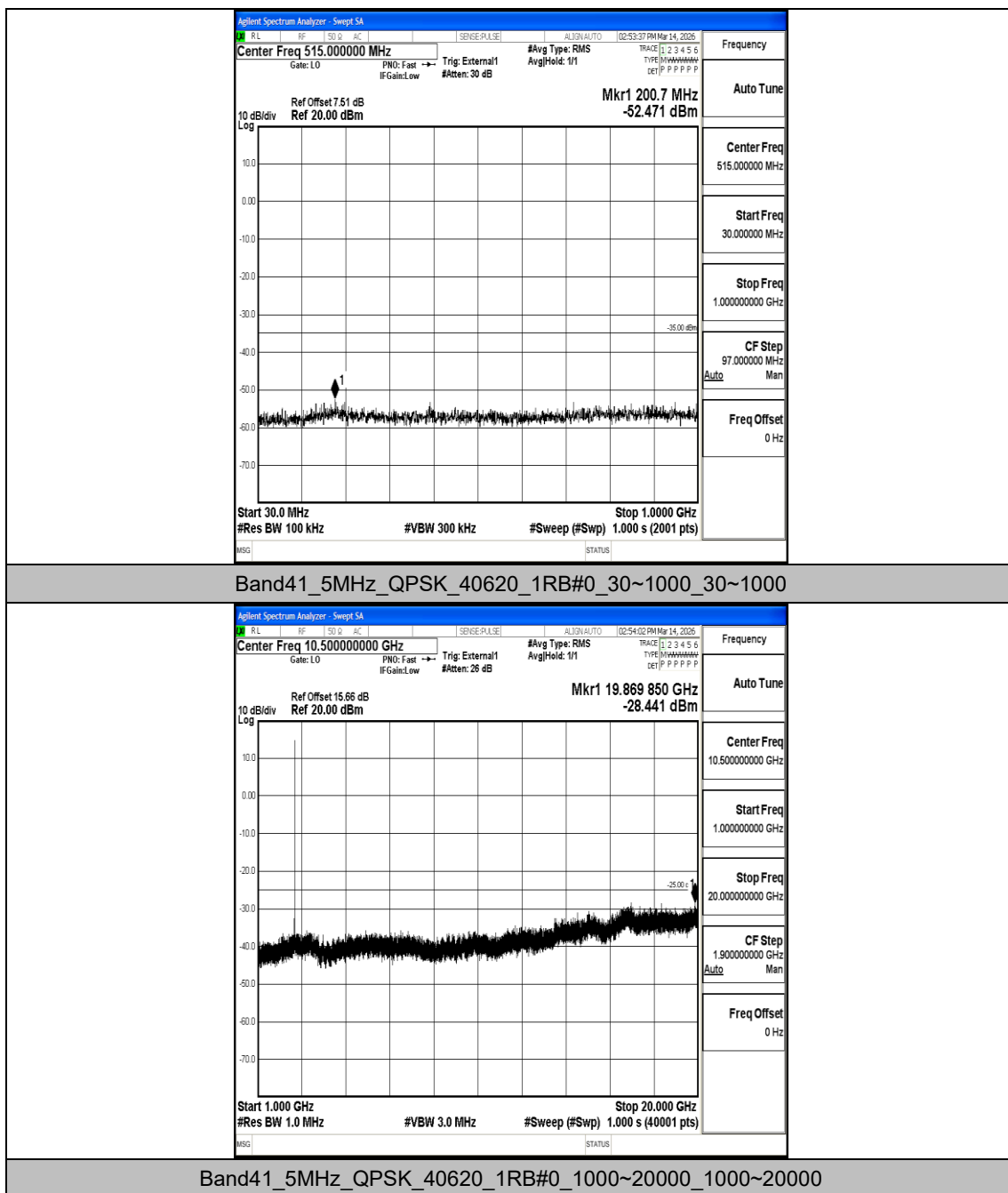
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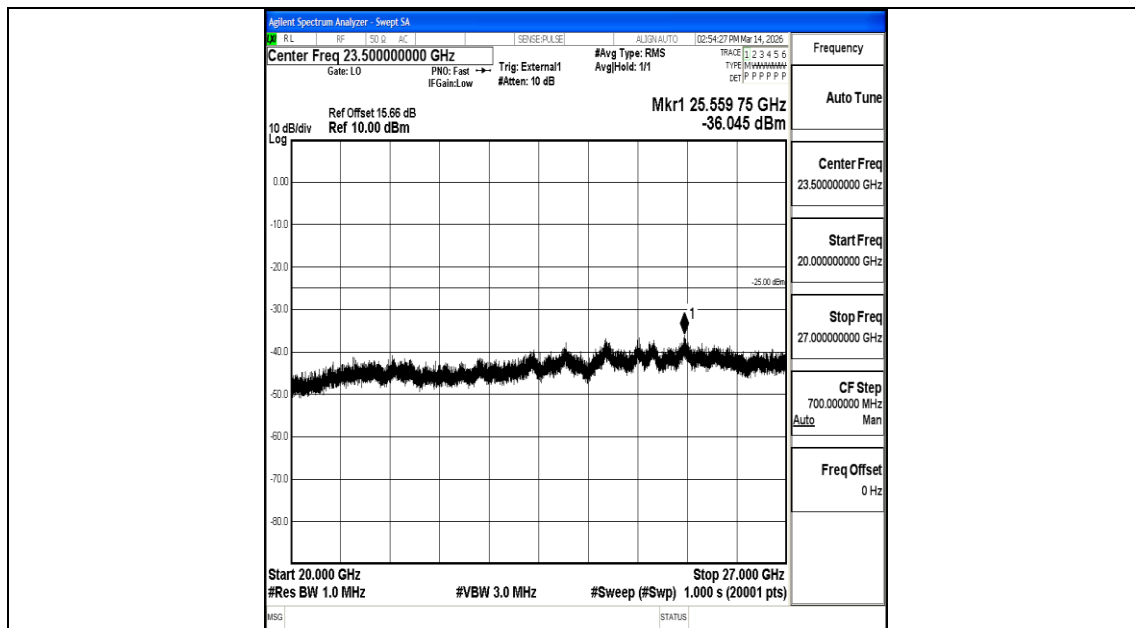


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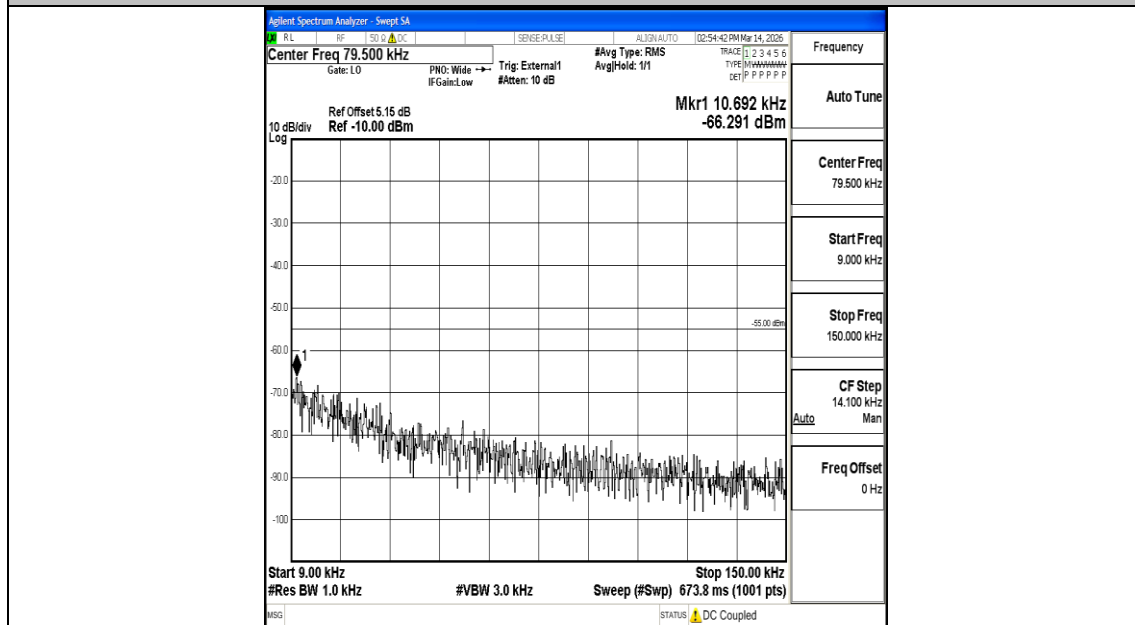


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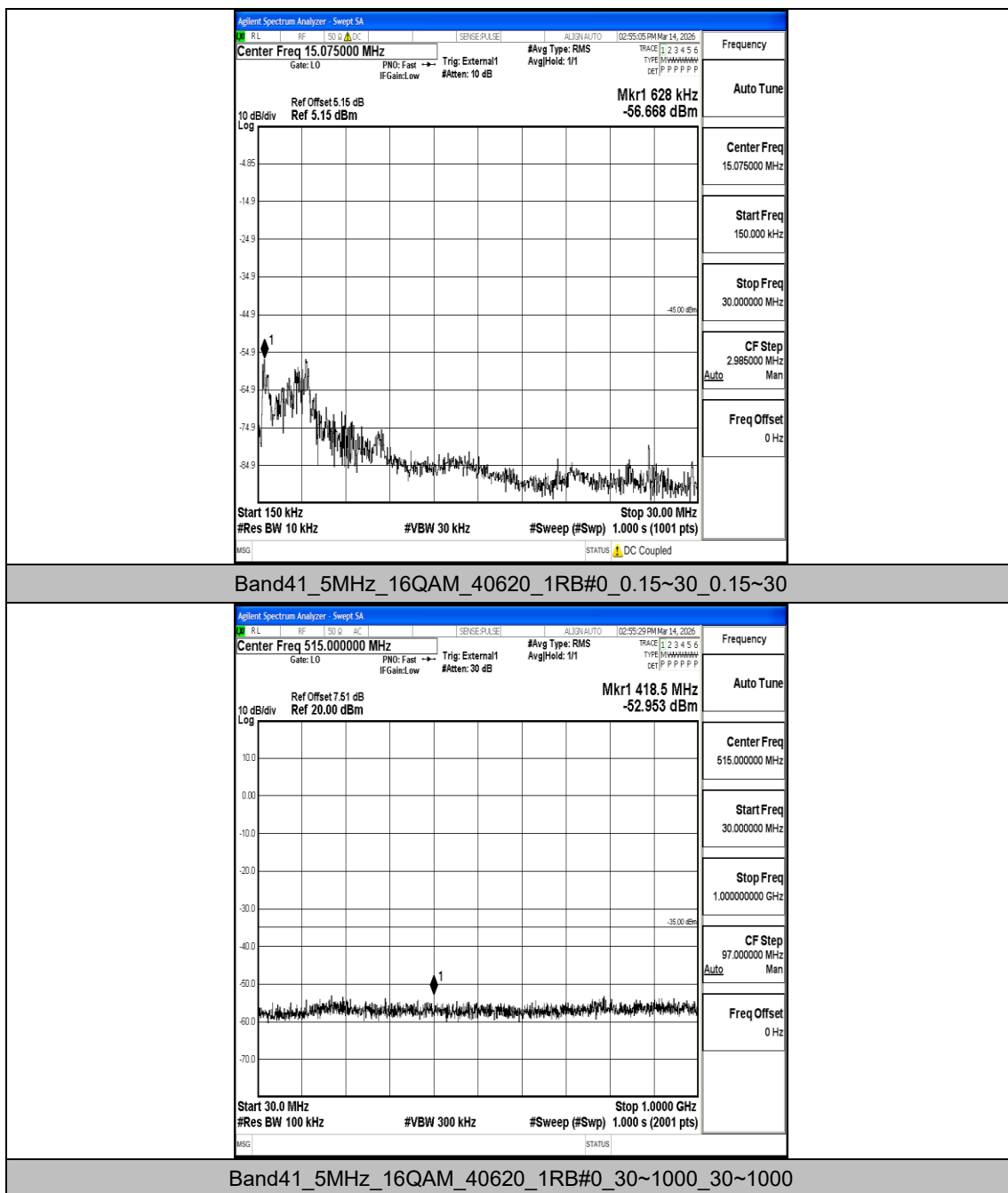


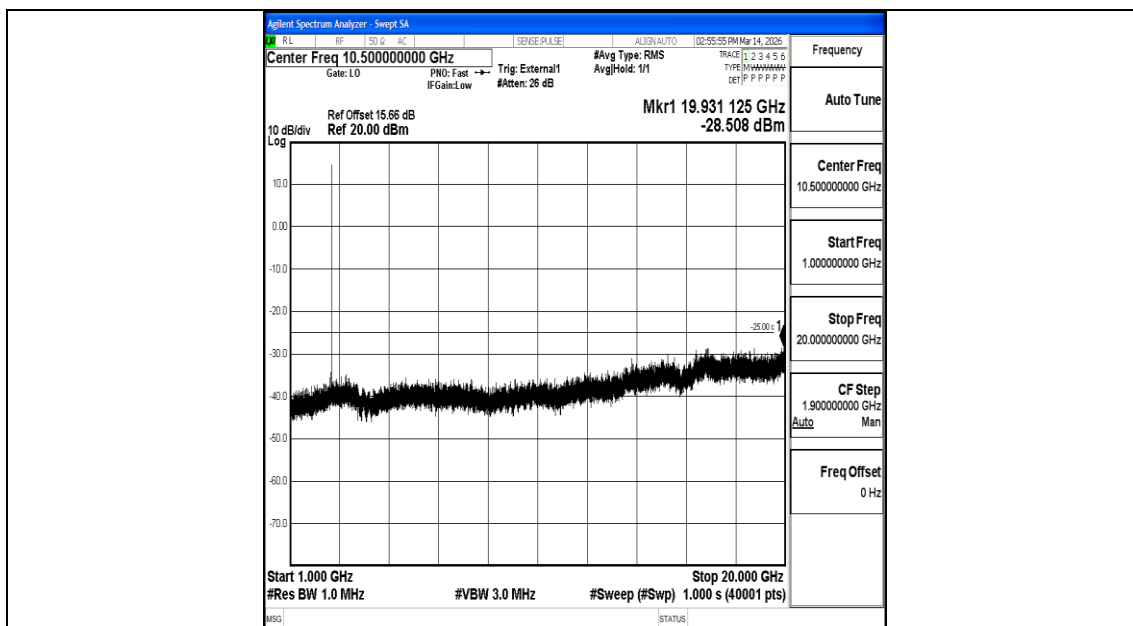


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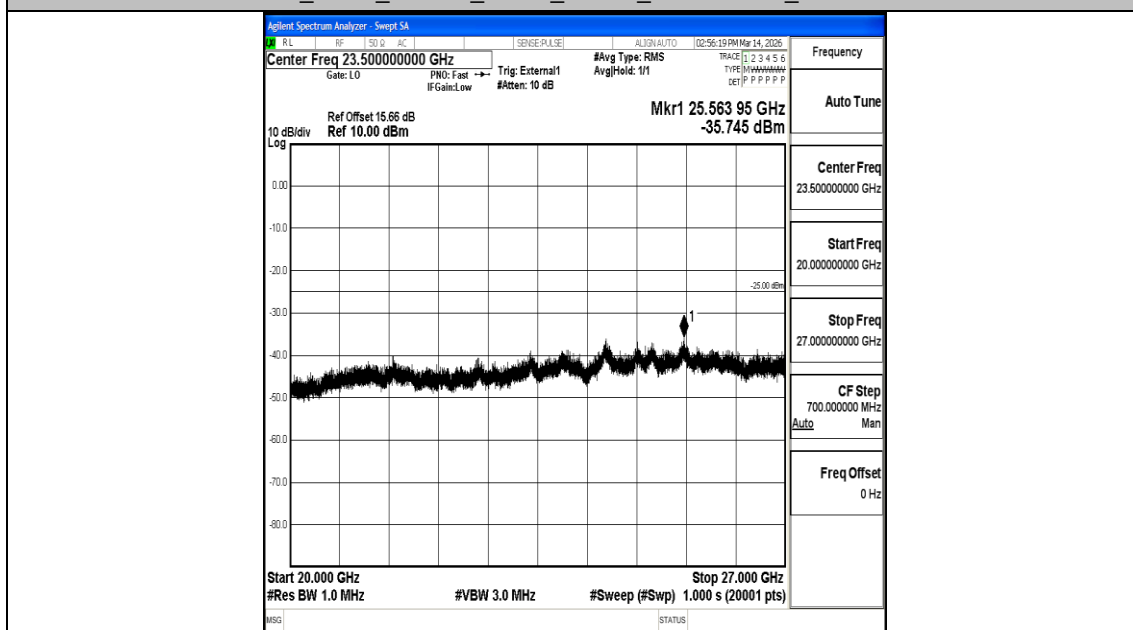


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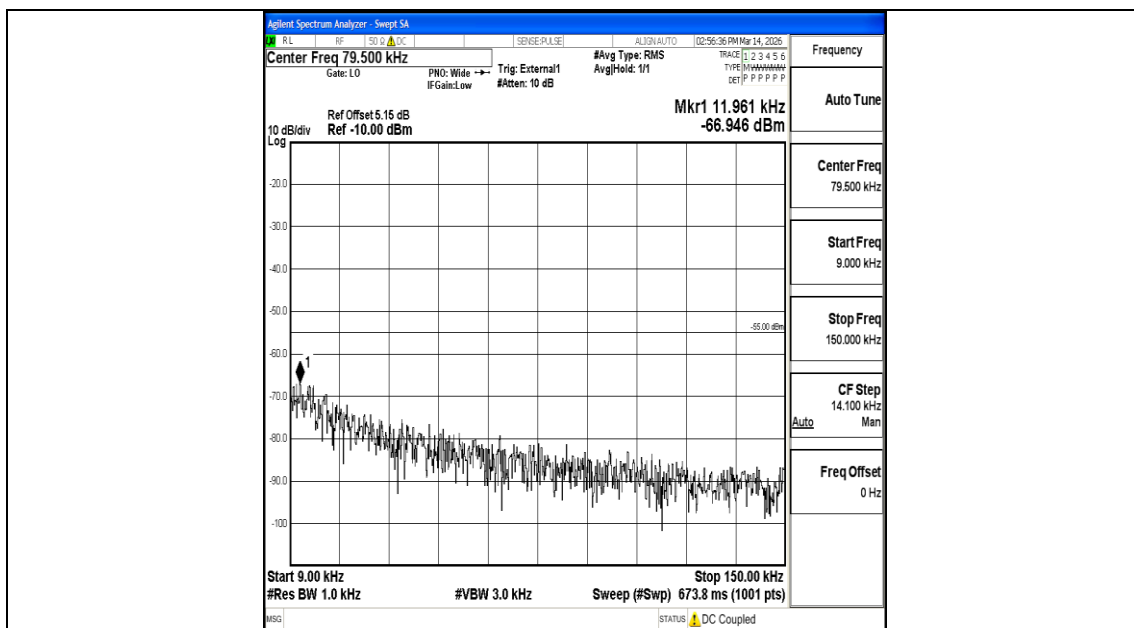




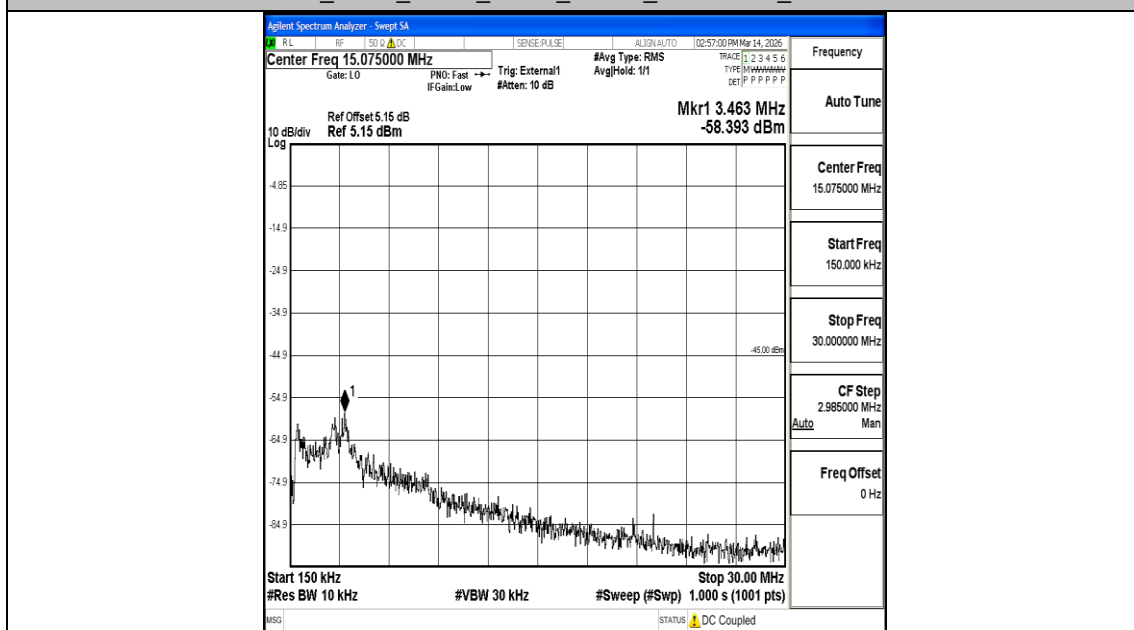
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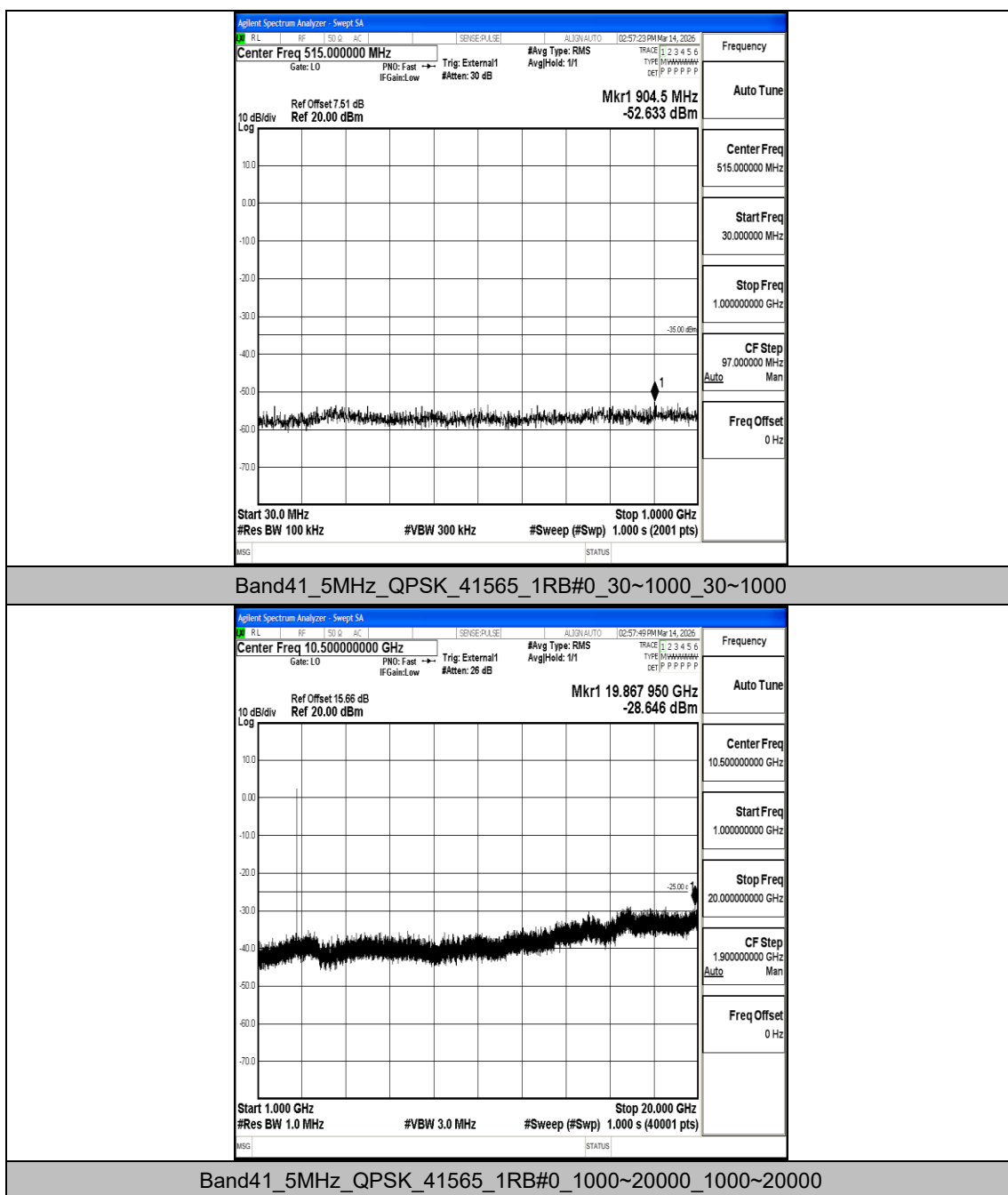
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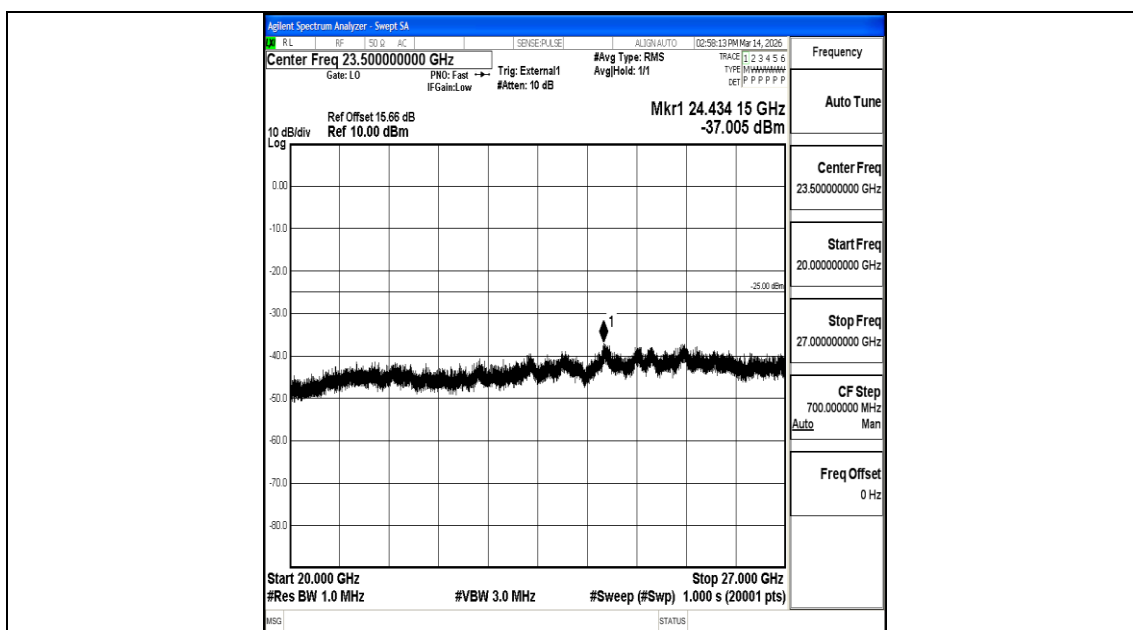


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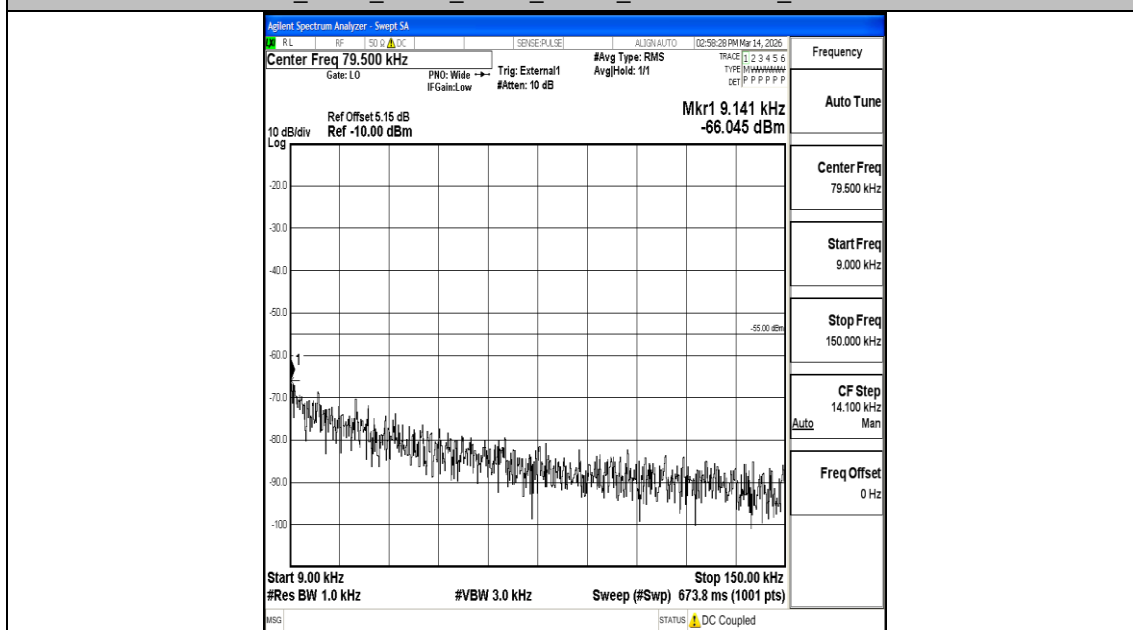


Band41_5MHz_QPSK_41565_1RB#0_0.15~30_0.15~30





Band41_5MHz_QPSK_41565_1RB#0_20000~27000_20000~27000



Band41_5MHz_16QAM_41565_1RB#0_0.009~0.15_0.009~0.15