



Appendix Q: Test Data for E-UTRA Band 41

Product Name: BlueCash-5000

Test Model: BlueCash-5000

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Paddi Chen





Q.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	21.61	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.46	PASS
Band41	5MHz	QPSK	39675	1RB#12	21.51	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.48	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.61	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.46	PASS
Band41	5MHz	QPSK	39675	12RB#0	20.71	PASS
Band41	5MHz	16QAM	39675	12RB#0	19.99	PASS
Band41	5MHz	QPSK	39675	12RB#6	20.72	PASS
Band41	5MHz	16QAM	39675	12RB#6	19.98	PASS
Band41	5MHz	QPSK	39675	12RB#13	20.96	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.40	PASS
Band41	5MHz	QPSK	39675	25RB#0	20.94	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.18	PASS
Band41	5MHz	QPSK	40620	1RB#0	21.59	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.27	PASS
Band41	5MHz	QPSK	40620	1RB#12	21.56	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.56	PASS
Band41	5MHz	QPSK	40620	1RB#24	21.62	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.37	PASS
Band41	5MHz	QPSK	40620	12RB#0	20.44	PASS
Band41	5MHz	16QAM	40620	12RB#0	19.81	PASS
Band41	5MHz	QPSK	40620	12RB#6	20.60	PASS
Band41	5MHz	16QAM	40620	12RB#6	19.96	PASS
Band41	5MHz	QPSK	40620	12RB#13	20.54	PASS
Band41	5MHz	16QAM	40620	12RB#13	19.88	PASS
Band41	5MHz	QPSK	40620	25RB#0	20.58	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.02	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.95	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.61	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.01	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.79	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.03	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.95	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.05	PASS



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Band41	5MHz	16QAM	41565	12RB#0	20.34	PASS
Band41	5MHz	QPSK	41565	12RB#6	20.99	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.33	PASS
Band41	5MHz	QPSK	41565	12RB#13	21.00	PASS
Band41	5MHz	16QAM	41565	12RB#13	20.43	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.18	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.50	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.74	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.61	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.73	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.57	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.85	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.70	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.70	PASS
Band41	10MHz	16QAM	39700	25RB#0	21.05	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.72	PASS
Band41	10MHz	16QAM	39700	25RB#12	21.05	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.64	PASS
Band41	10MHz	16QAM	39700	25RB#25	21.02	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.67	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.05	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.82	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.76	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.82	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.72	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.83	PASS
Band41	10MHz	16QAM	40620	1RB#49	22.78	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.61	PASS
Band41	10MHz	16QAM	40620	25RB#0	21.01	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.62	PASS
Band41	10MHz	16QAM	40620	25RB#12	21.01	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.71	PASS
Band41	10MHz	16QAM	40620	25RB#25	21.02	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.72	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.05	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.20	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.96	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.14	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.96	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.14	PASS



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Band41	10MHz	16QAM	41540	1RB#49	21.95	PASS
Band41	10MHz	QPSK	41540	25RB#0	20.97	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.38	PASS
Band41	10MHz	QPSK	41540	25RB#12	20.99	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.39	PASS
Band41	10MHz	QPSK	41540	25RB#25	21.07	PASS
Band41	10MHz	16QAM	41540	25RB#25	20.31	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.03	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.37	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.32	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.80	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.29	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.77	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.34	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.94	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.39	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.38	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.38	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.38	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.37	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.37	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.37	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.93	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.87	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.75	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.78	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.47	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.93	PASS
Band41	15MHz	QPSK	40620	38RB#0	21.51	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.51	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.51	PASS
Band41	15MHz	16QAM	40620	38RB#18	21.52	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.52	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.65	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.65	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.11	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.12	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.90	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.14	PASS



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Band41	15MHz	16QAM	41515	1RB#38	21.95	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.23	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.92	PASS
Band41	15MHz	QPSK	41515	38RB#0	21.12	PASS
Band41	15MHz	16QAM	41515	38RB#0	21.12	PASS
Band41	15MHz	QPSK	41515	38RB#18	21.12	PASS
Band41	15MHz	16QAM	41515	38RB#18	21.12	PASS
Band41	15MHz	QPSK	41515	38RB#37	21.12	PASS
Band41	15MHz	16QAM	41515	38RB#37	21.13	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.13	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.41	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.34	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.96	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.33	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.90	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.44	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.92	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.66	PASS
Band41	20MHz	16QAM	39750	50RB#0	21.15	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.66	PASS
Band41	20MHz	16QAM	39750	50RB#25	21.14	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.45	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.99	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.42	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.81	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.46	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.76	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.40	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.39	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.36	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.37	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.70	PASS
Band41	20MHz	16QAM	40620	50RB#0	21.30	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.67	PASS
Band41	20MHz	16QAM	40620	50RB#25	21.20	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.50	PASS
Band41	20MHz	16QAM	40620	50RB#50	21.01	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.50	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.95	PASS
Band41	20MHz	QPSK	41490	1RB#0	21.81	PASS



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Scan code to check authenticity



Band41	20MHz	16QAM	41490	1RB#0	22.09	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.81	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.98	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.81	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.99	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.11	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.55	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.13	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.40	PASS
Band41	20MHz	QPSK	41490	50RB#50	20.84	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.37	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.82	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.17	PASS





Q.2 Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	8.53	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	9.08	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.12	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.50	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.58	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	8.91	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.11	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.75	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.50	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.81	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.17	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.76	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	7.92	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.73	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.06	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.42	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.39	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.06	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.13	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.67	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.30	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	8.54	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.11	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.68	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.58	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	8.43	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.34	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.76	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.19	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	8.88	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.24	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.01	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.12	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.89	13	PASS



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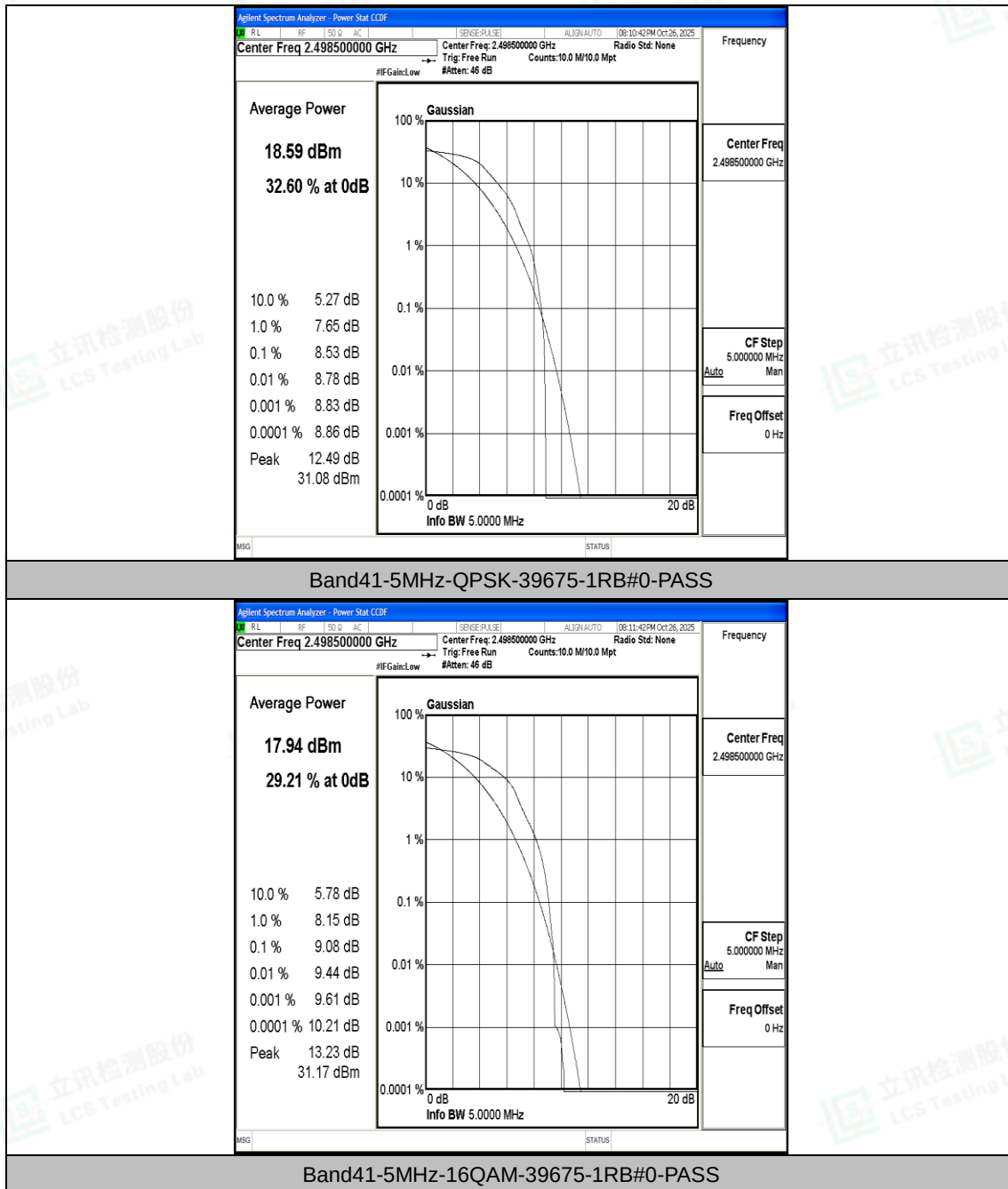


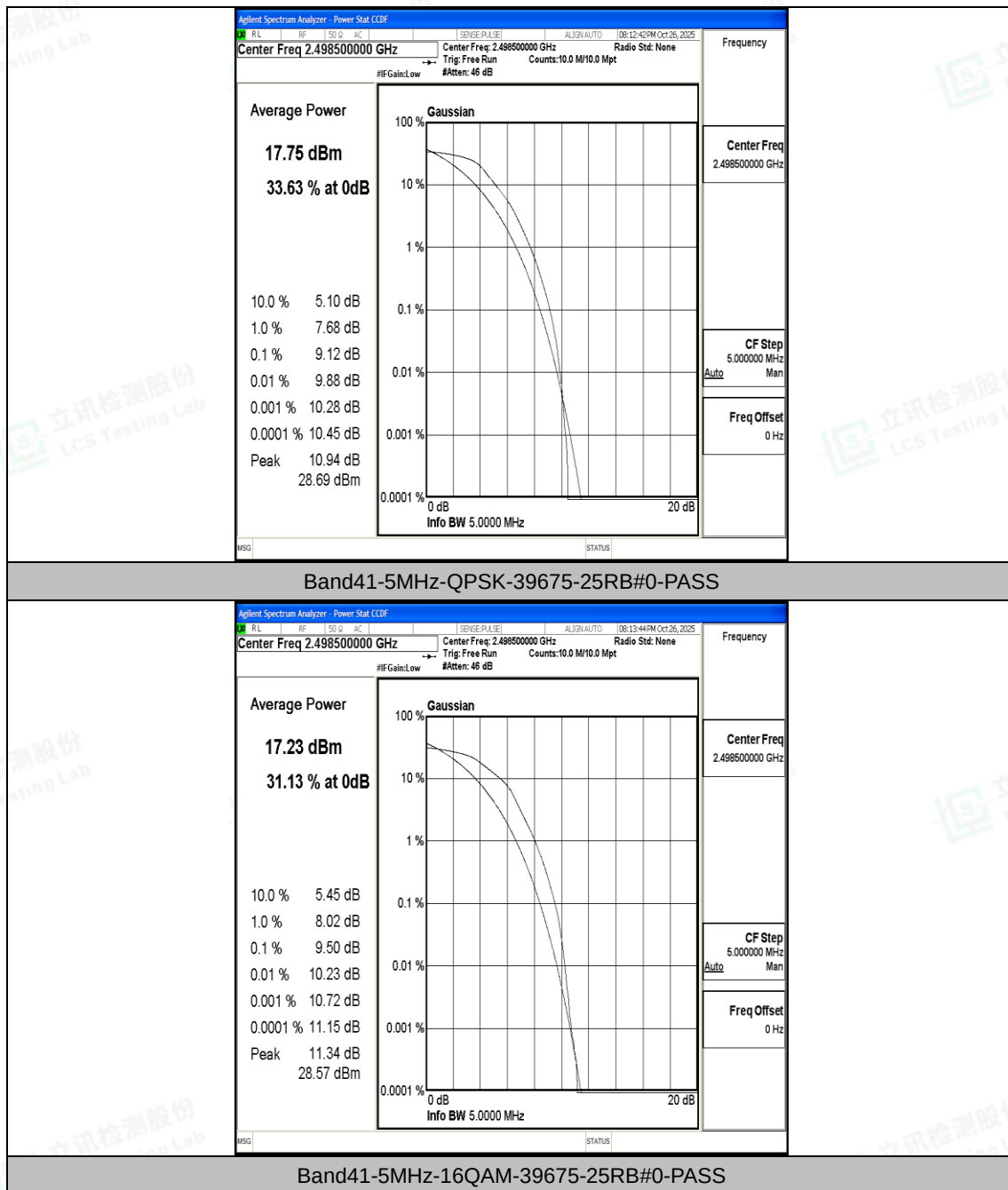
Band41	15MHz	QPSK	41515	75RB#0	9.34	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.75	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	7.99	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	8.64	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	8.67	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.58	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	8.10	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.82	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.20	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.58	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	8.03	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	7.79	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.10	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.67	13	PASS

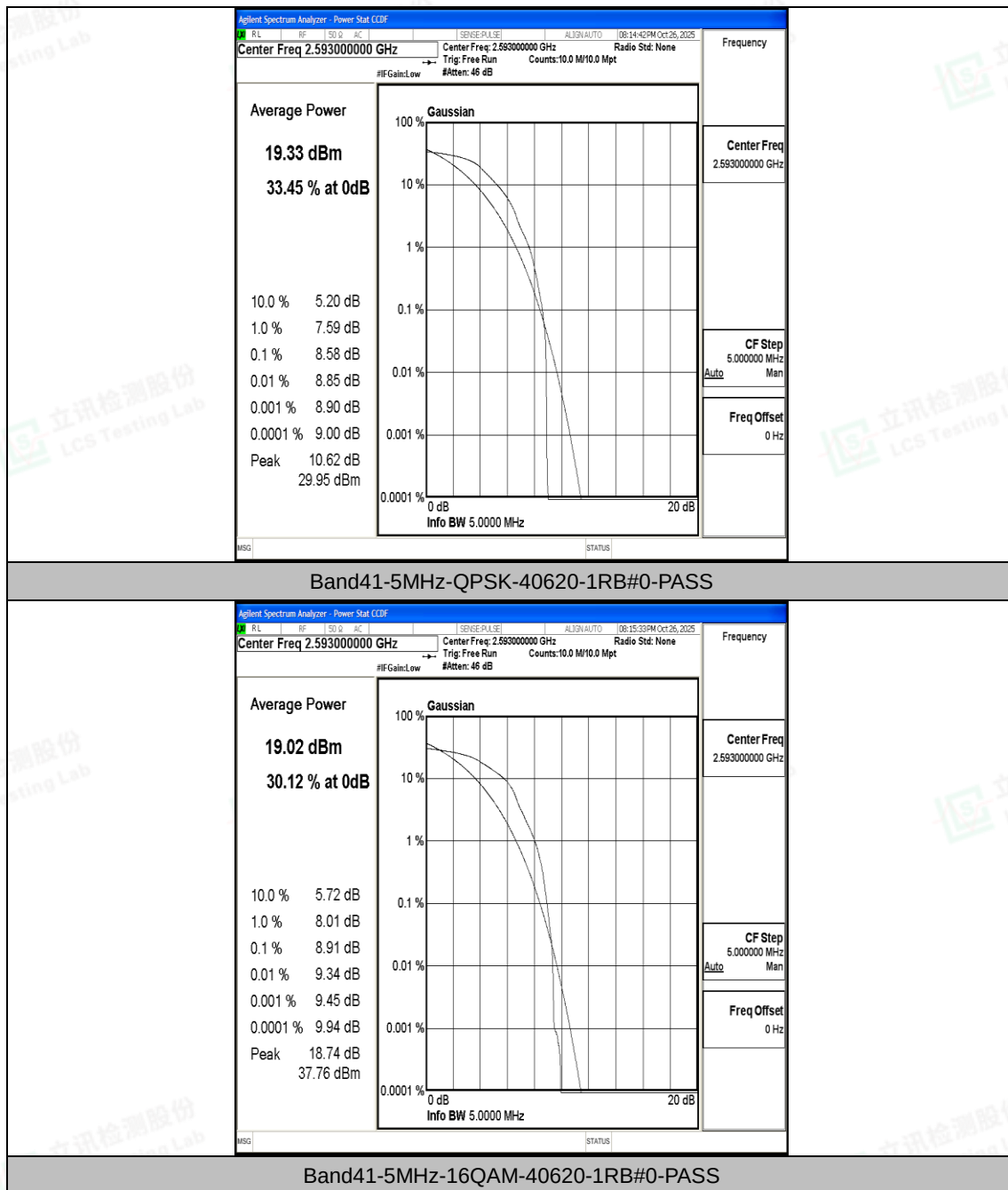


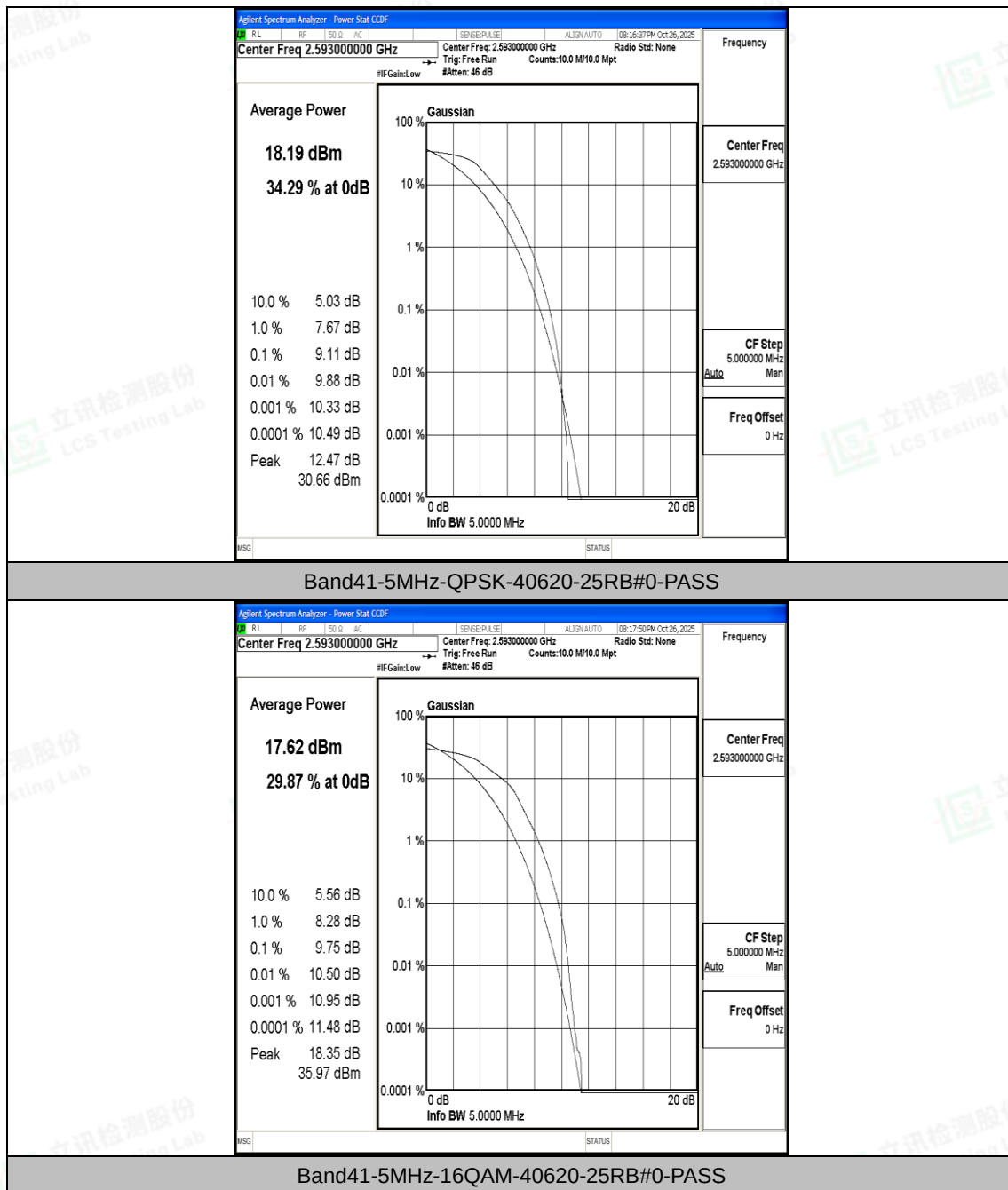


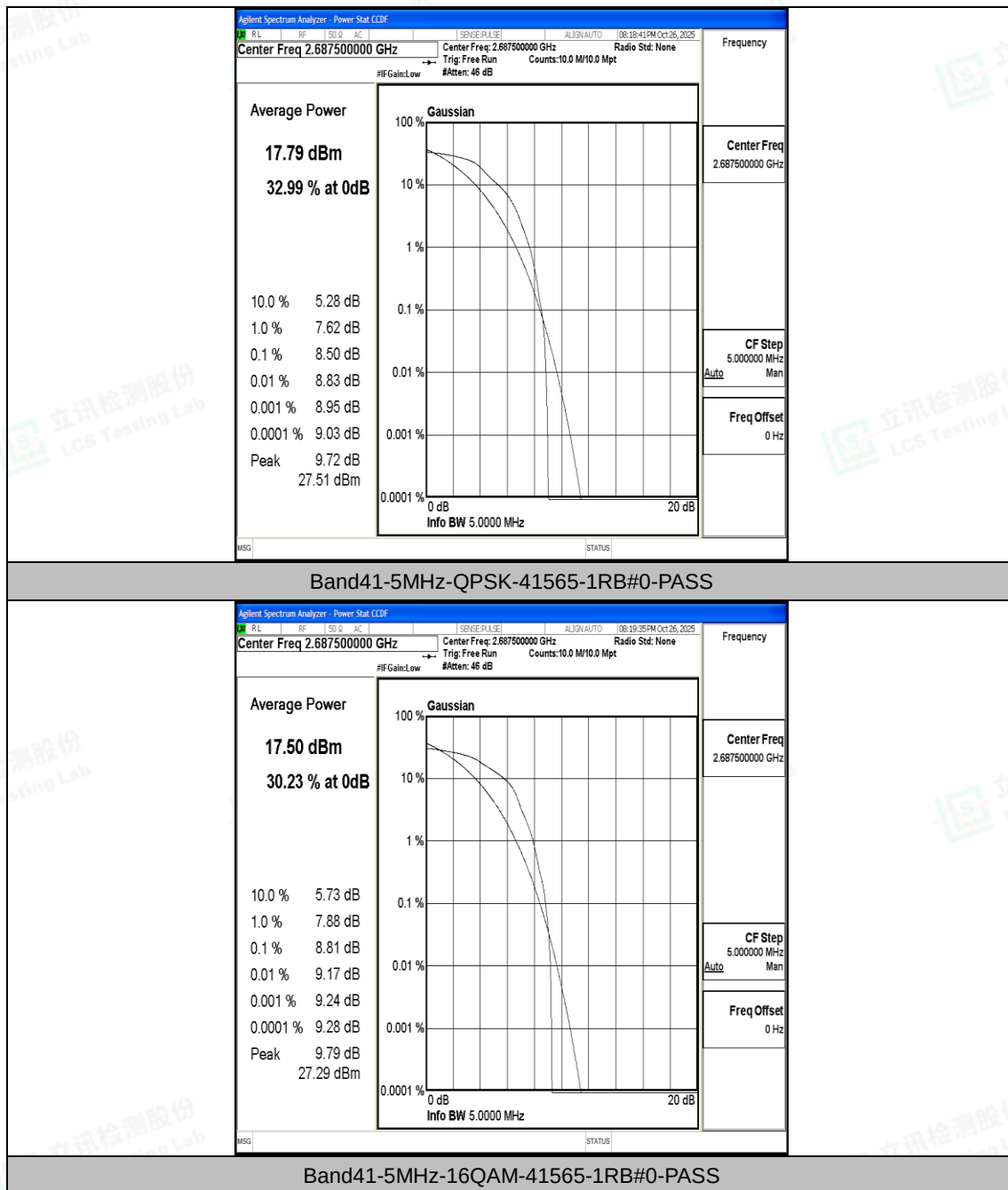
Test Graphs

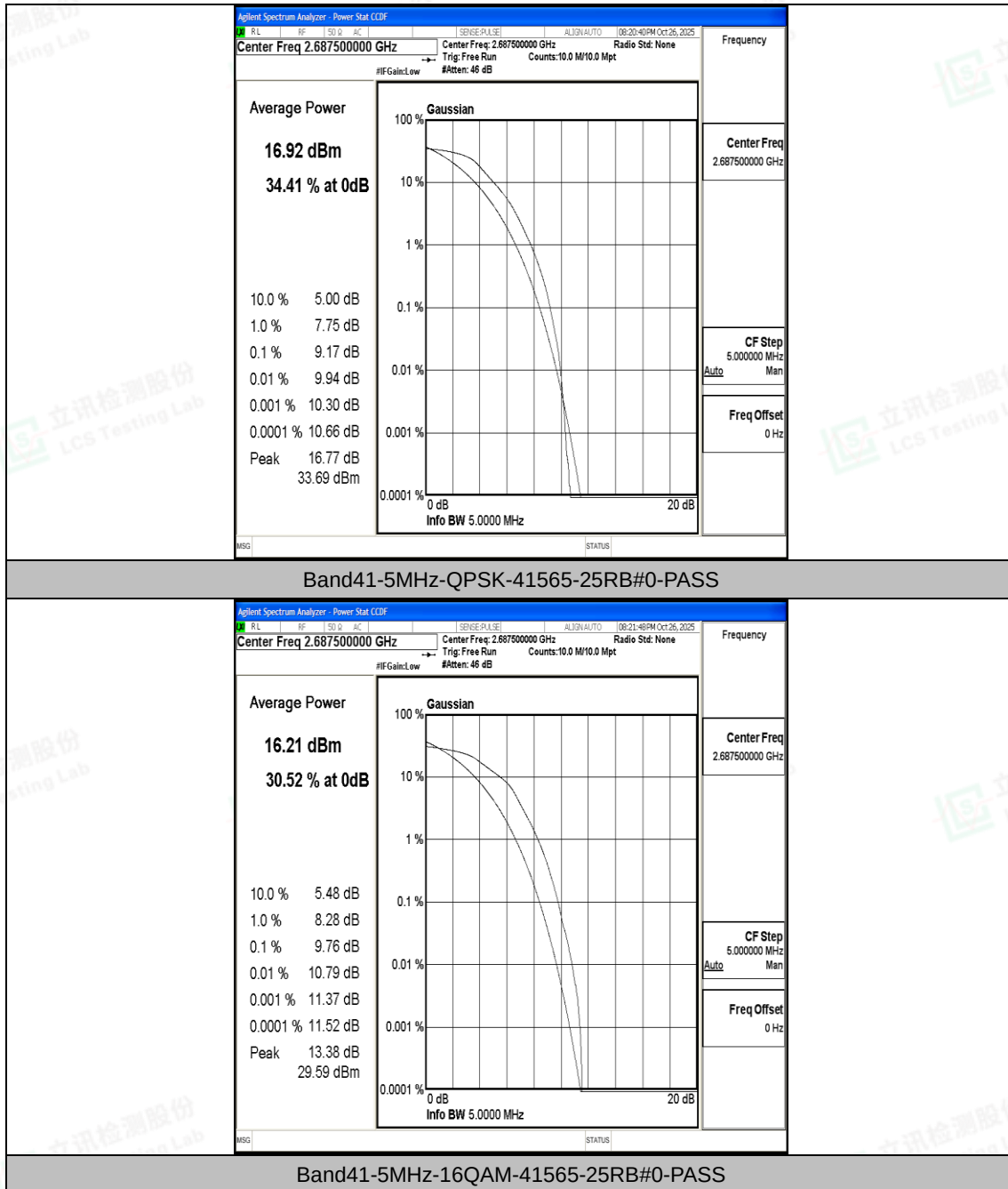


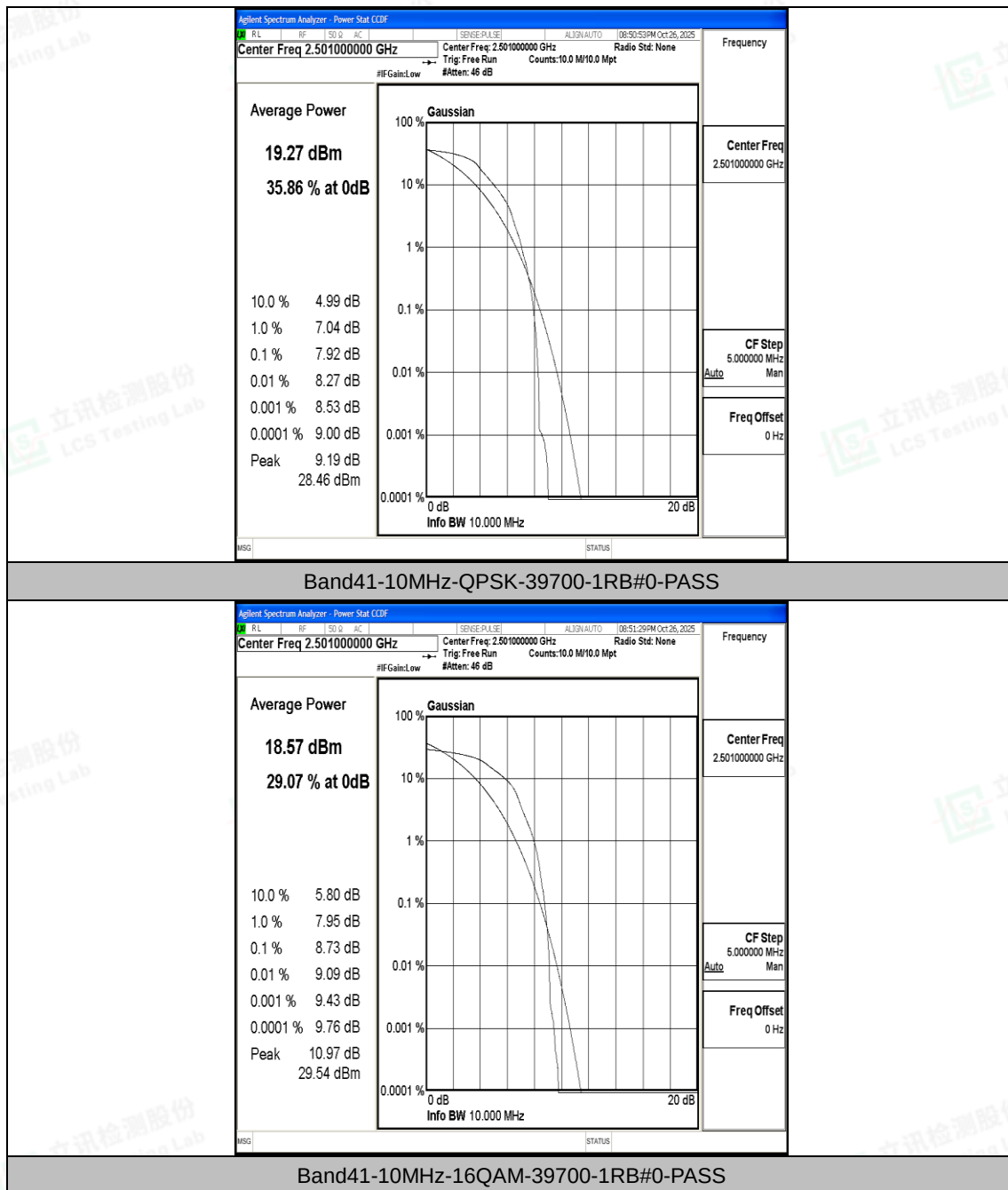


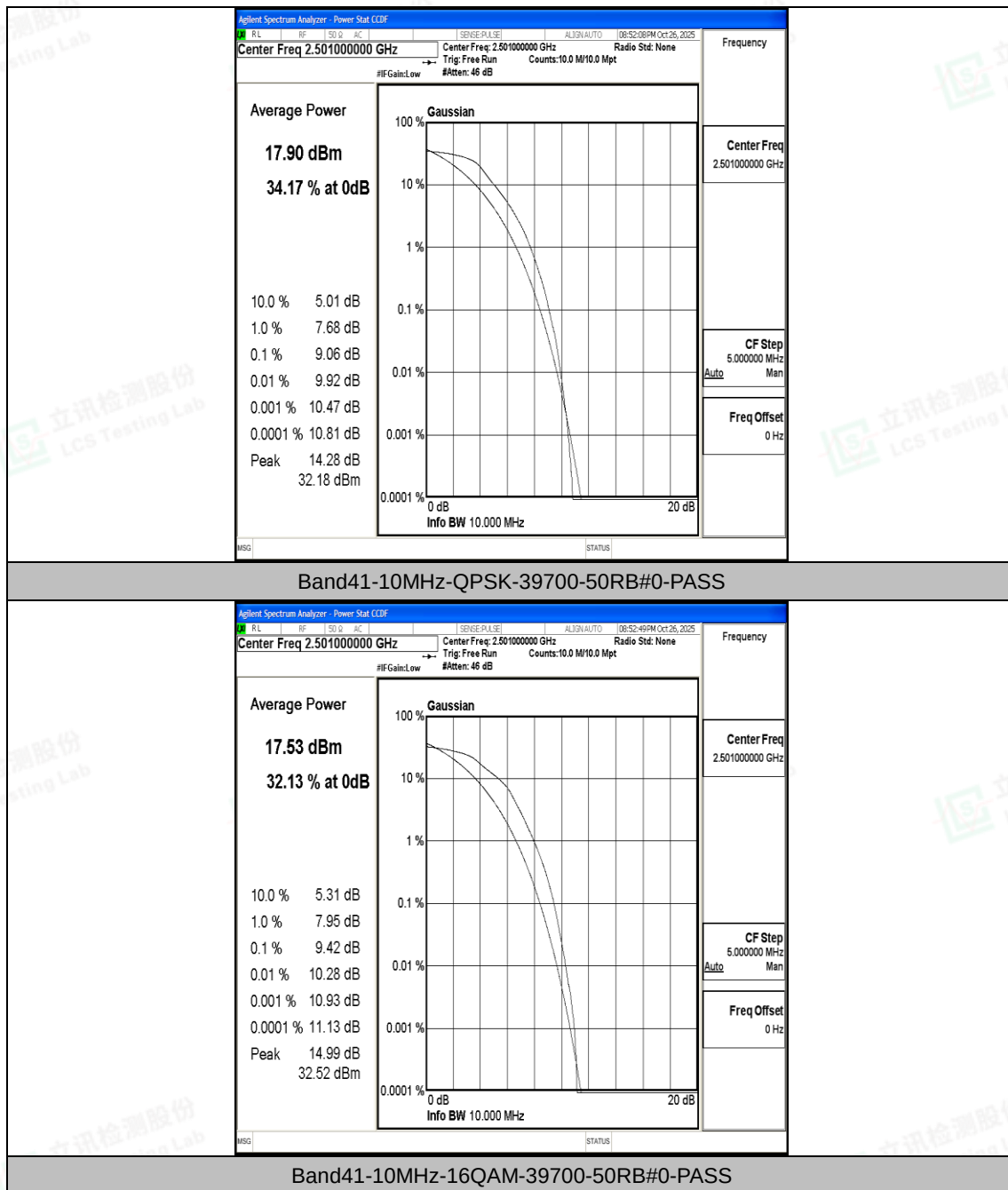


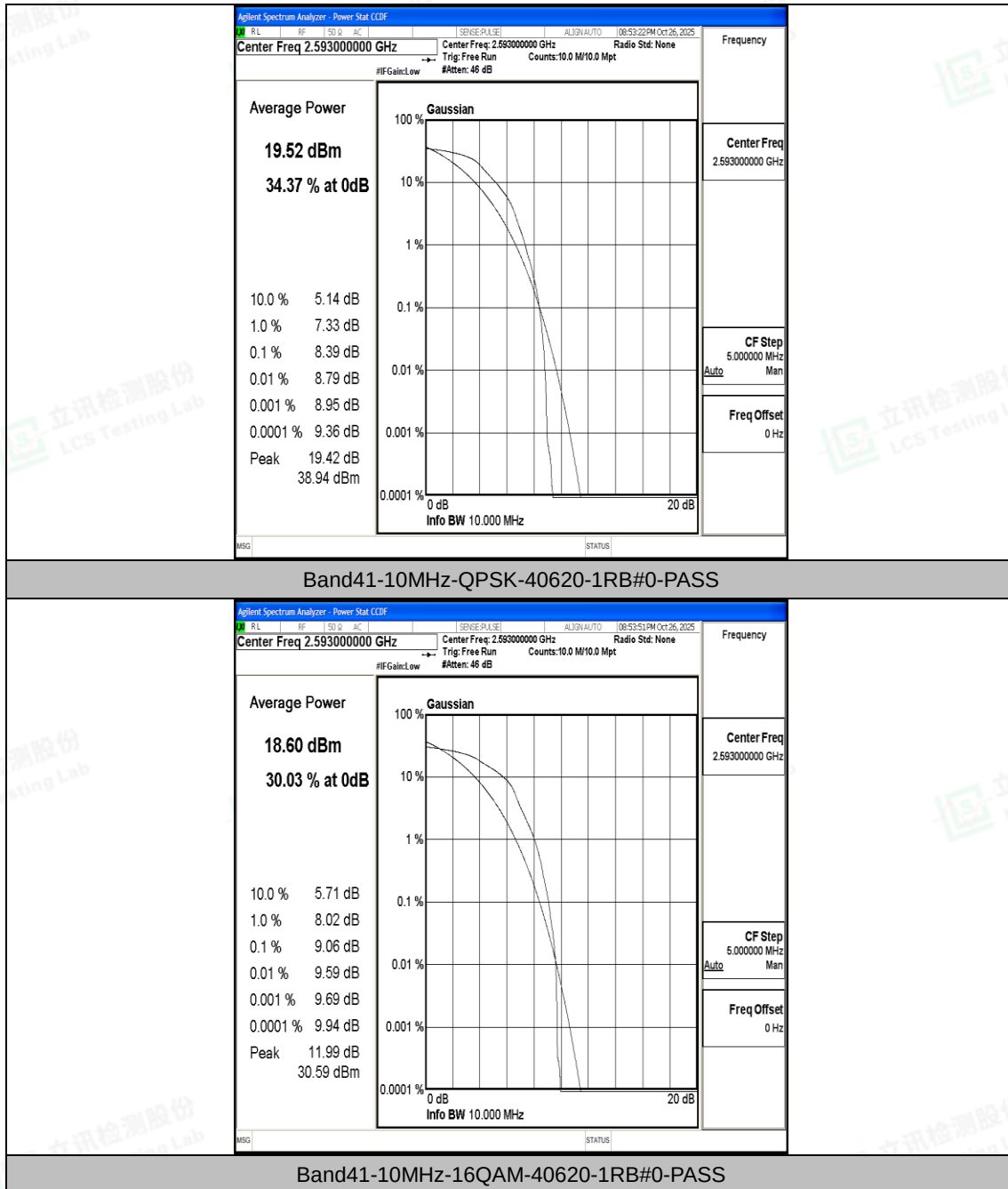


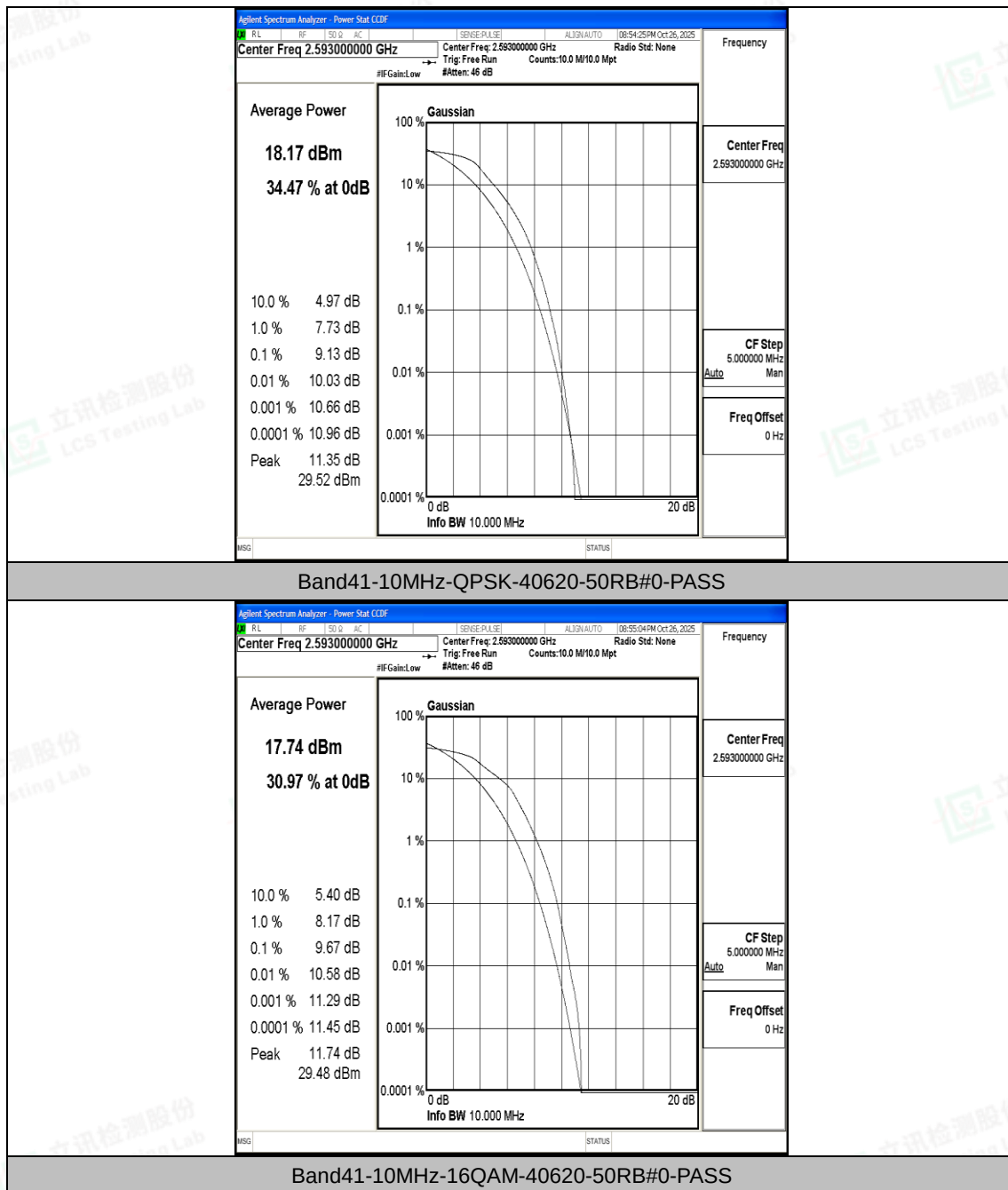


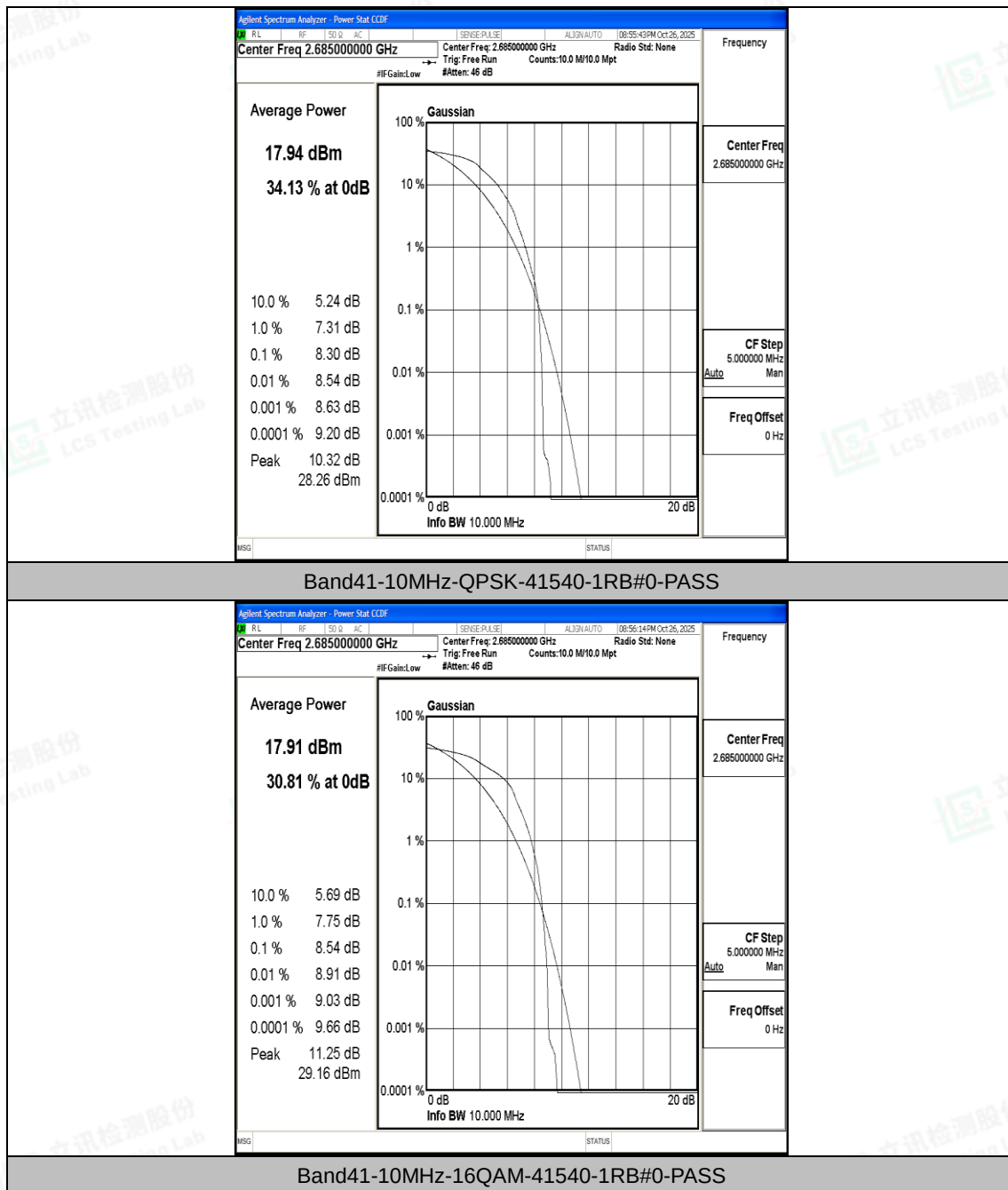


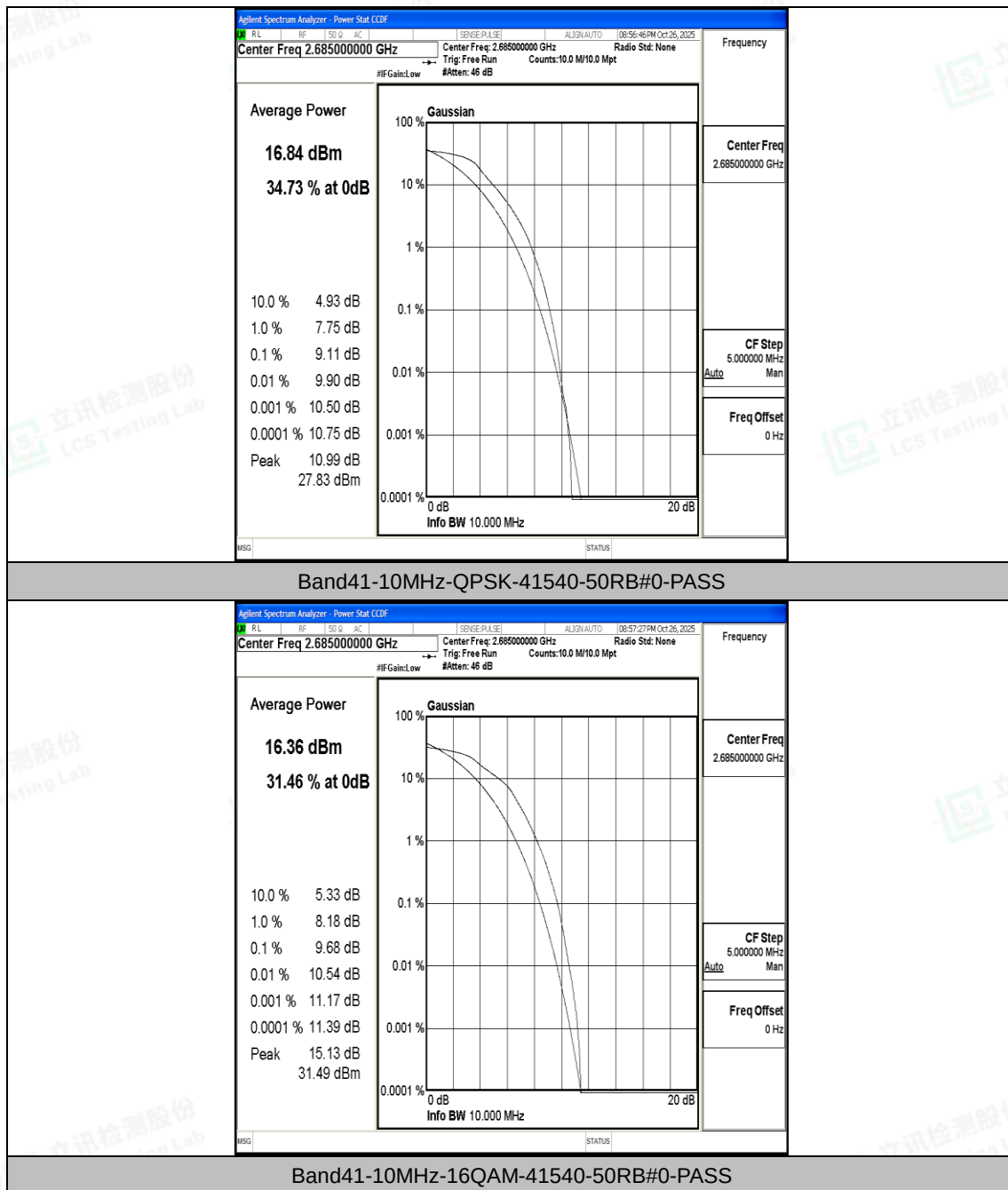


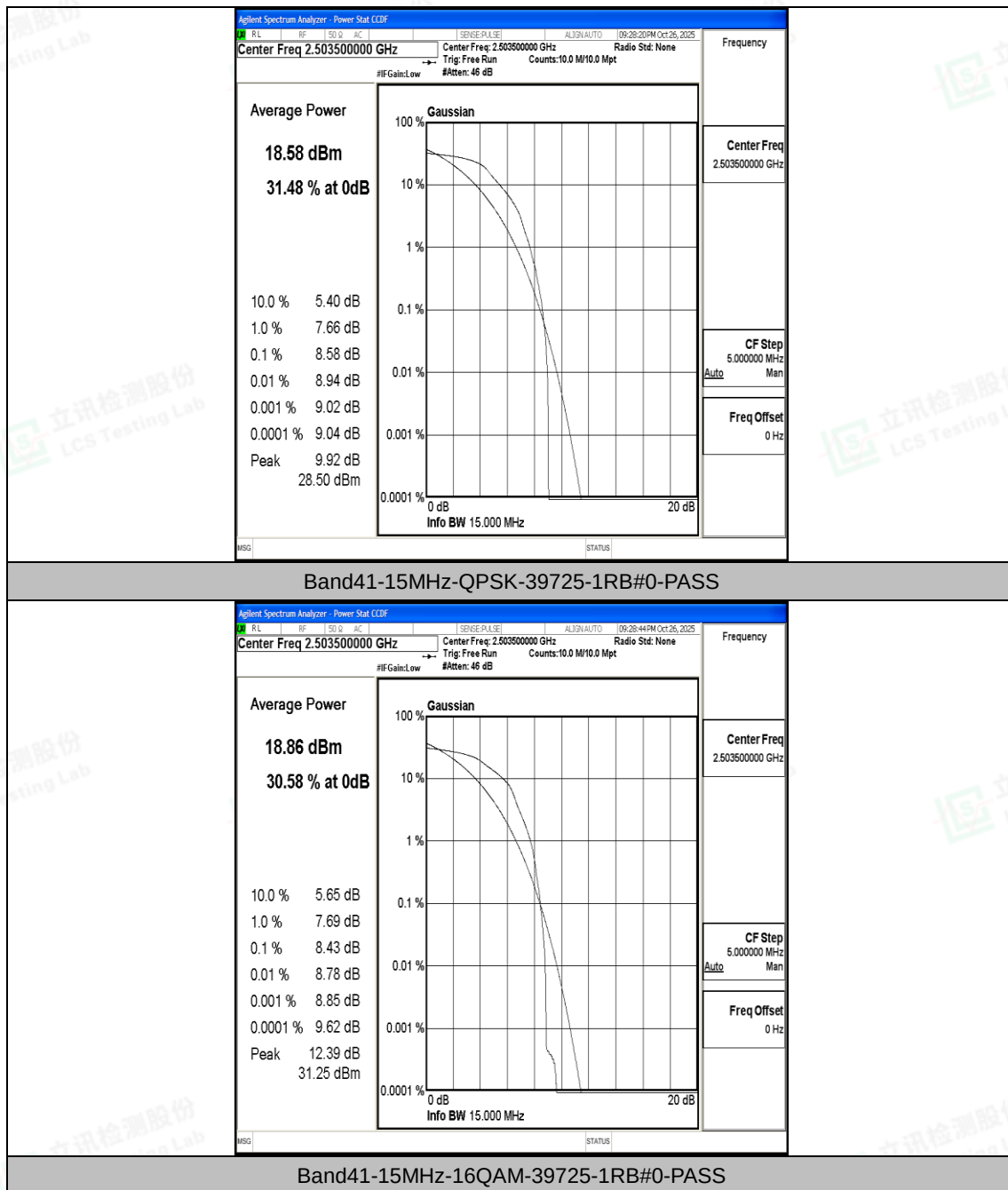


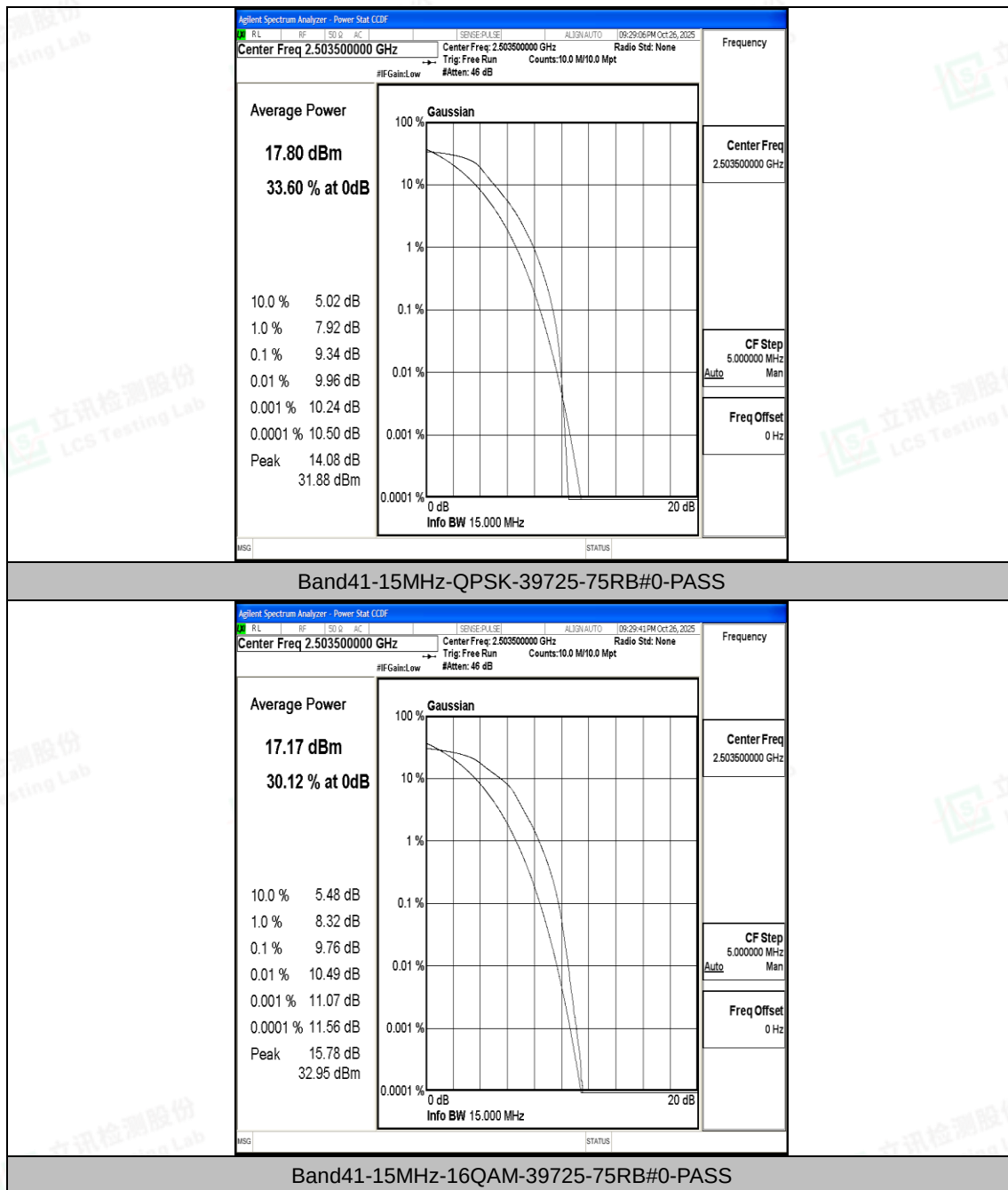


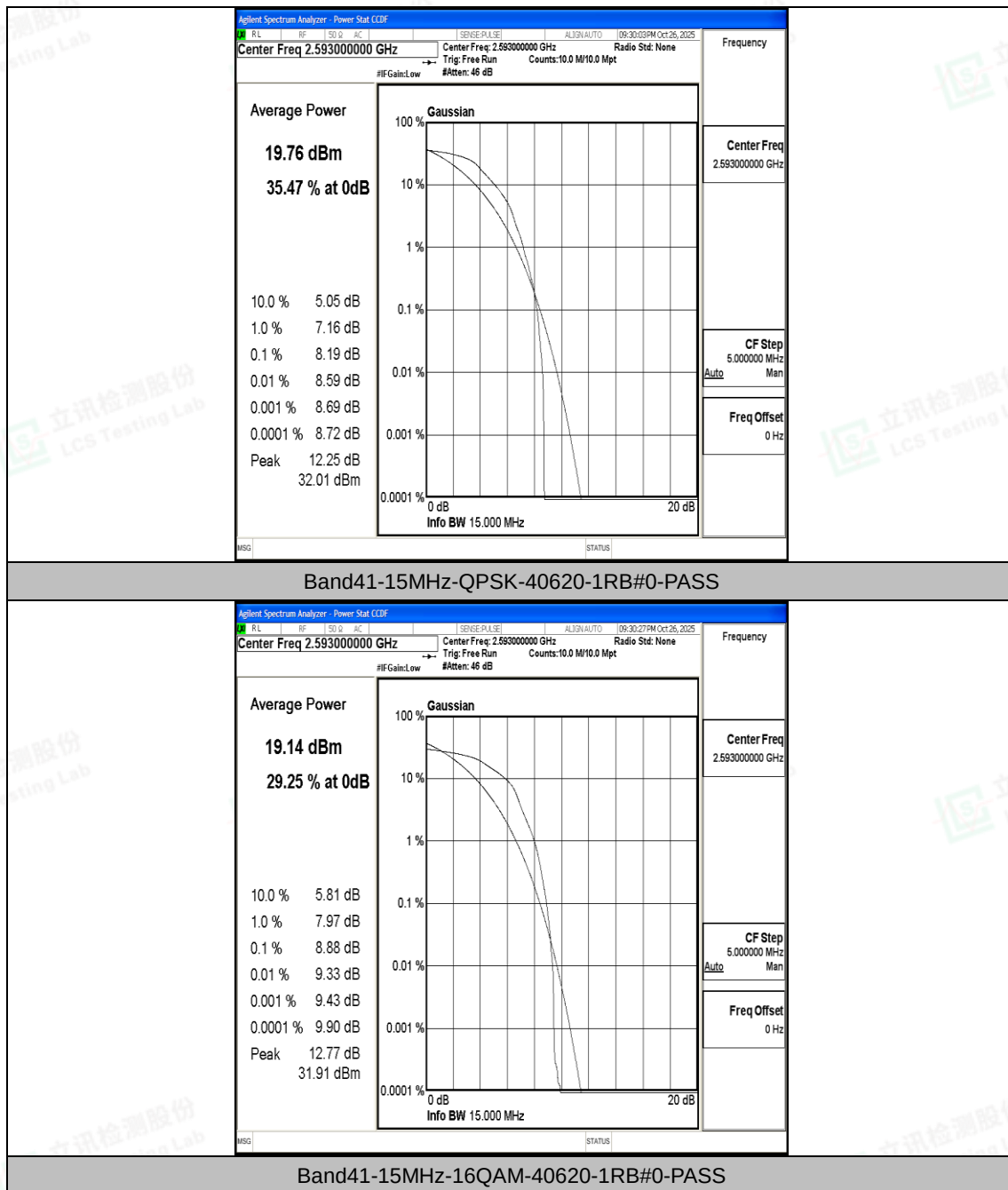


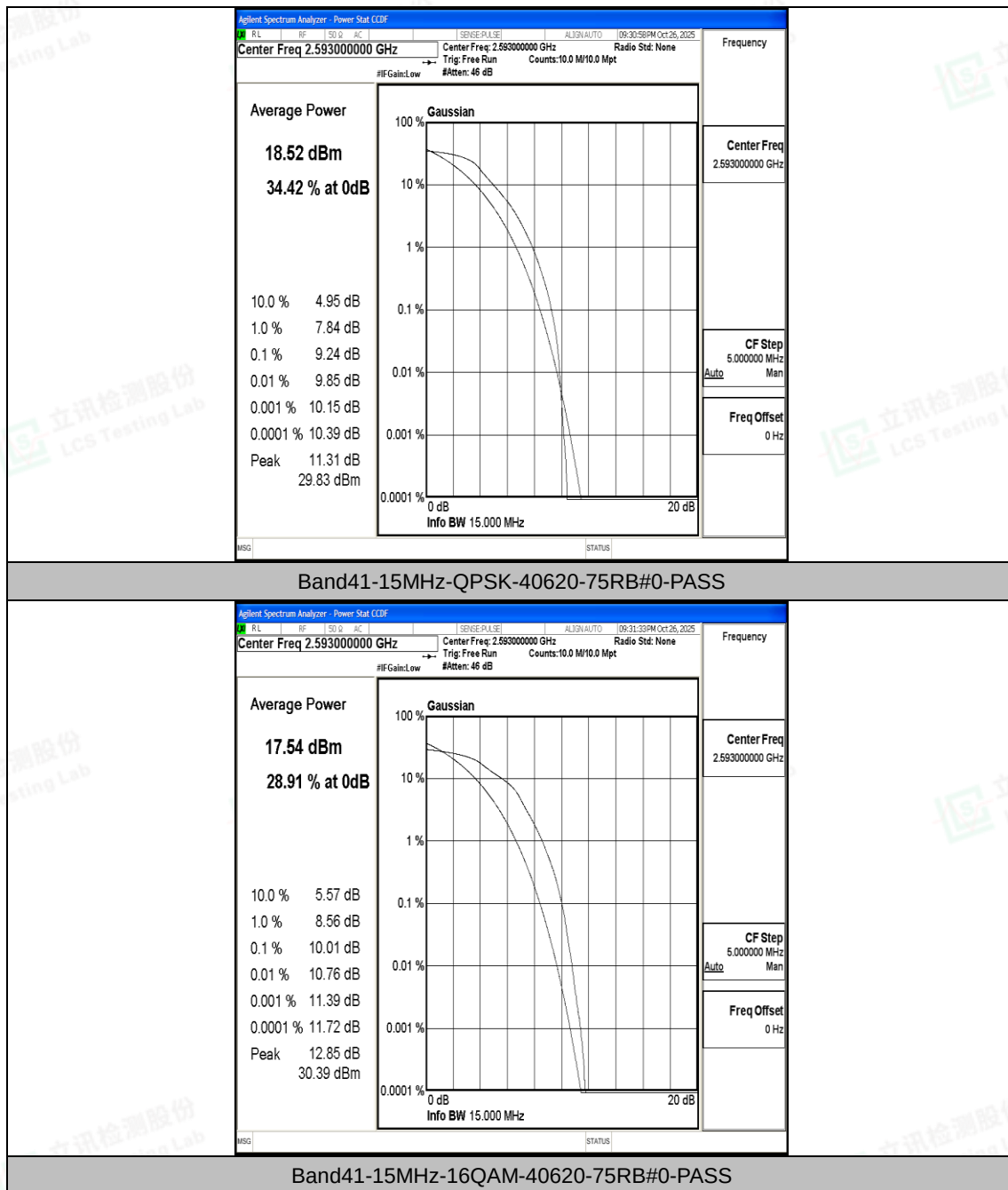


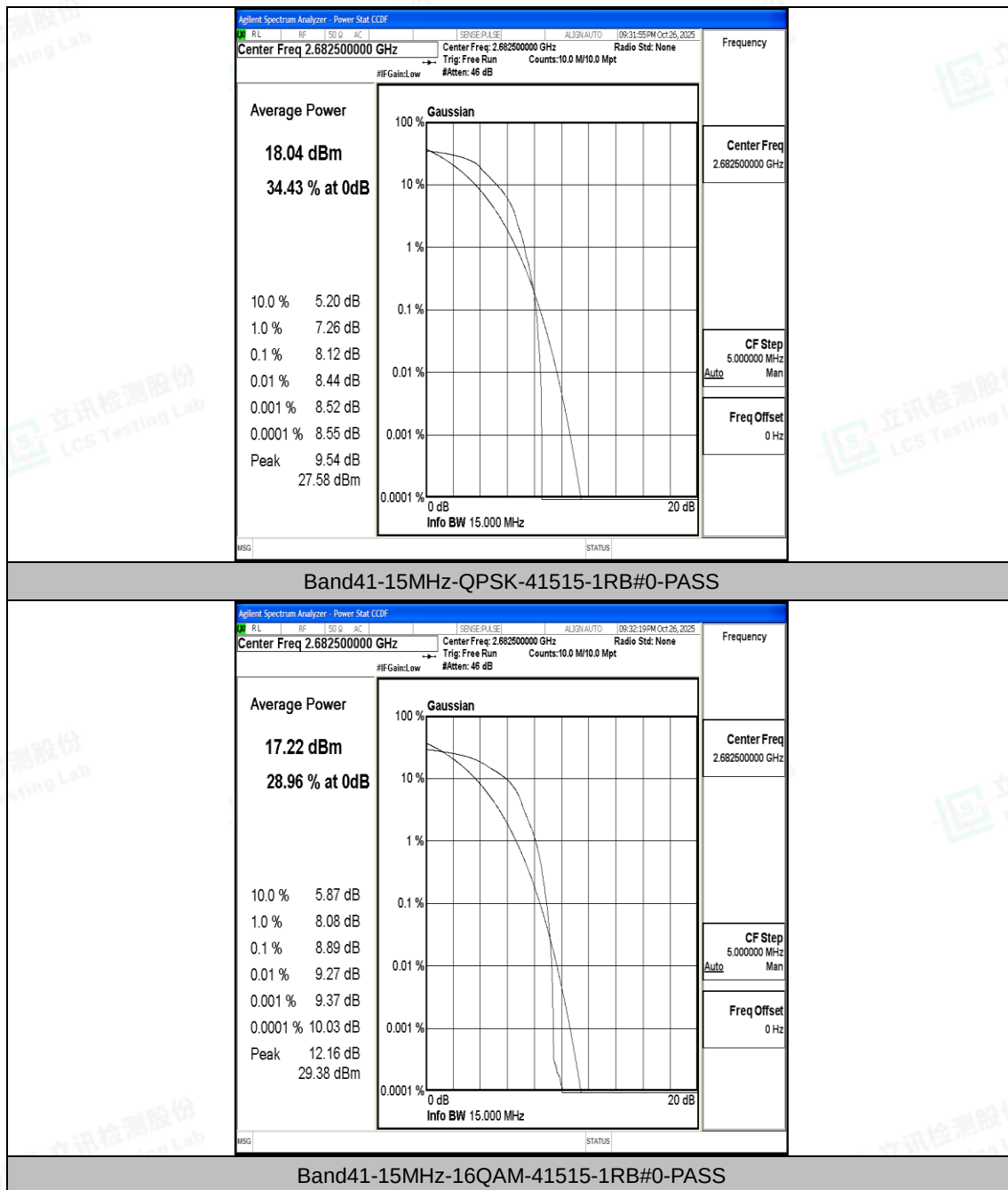


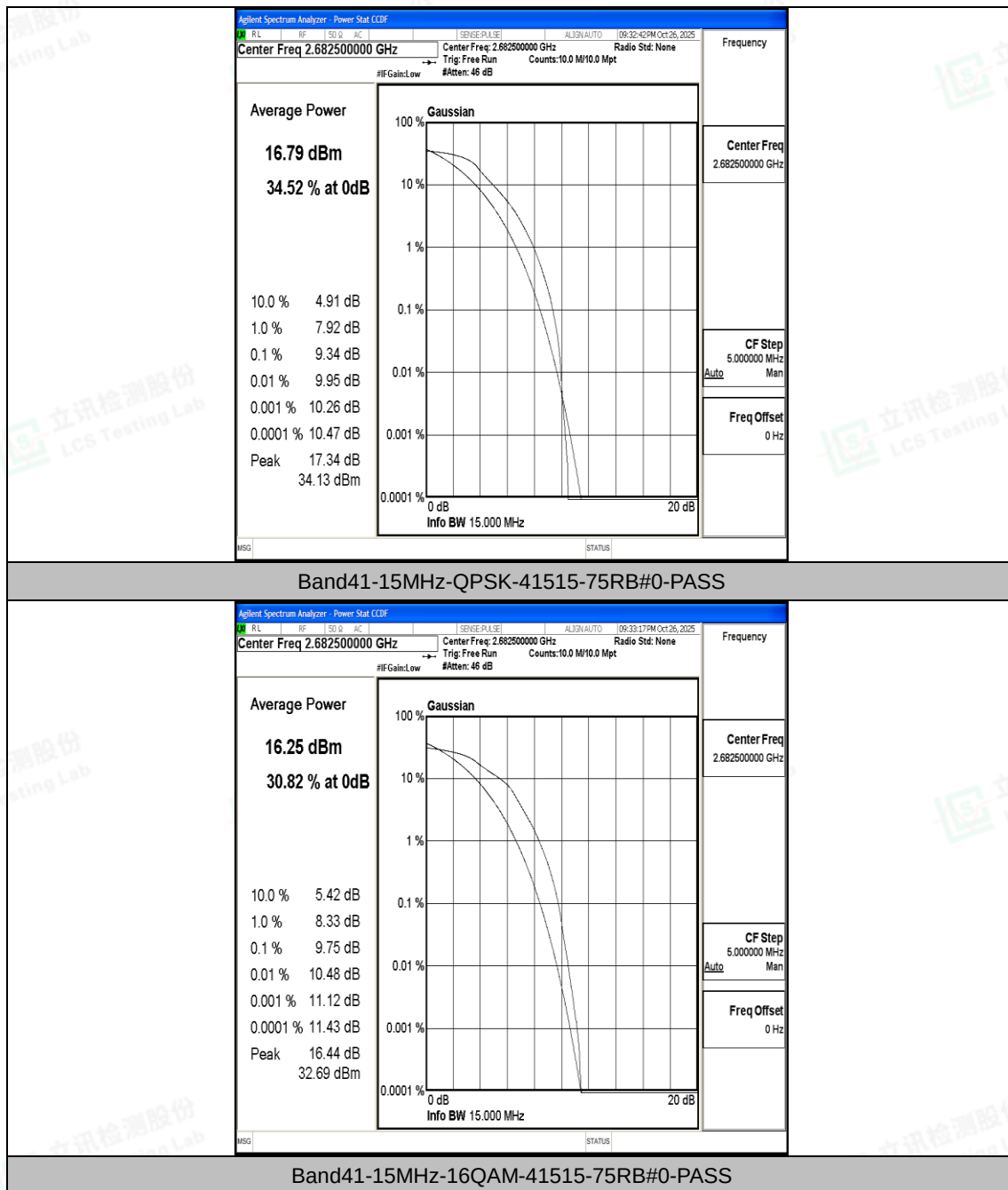


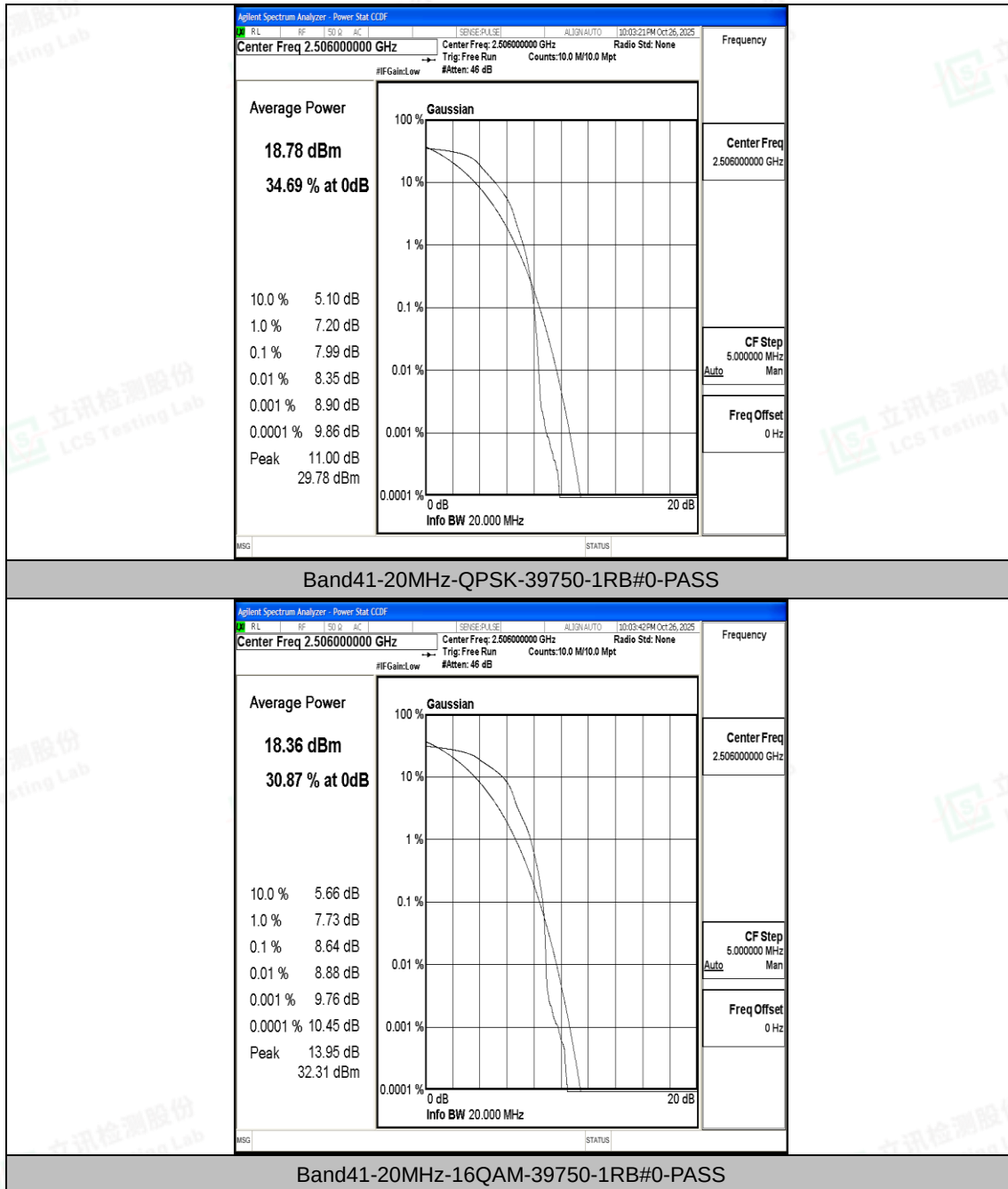


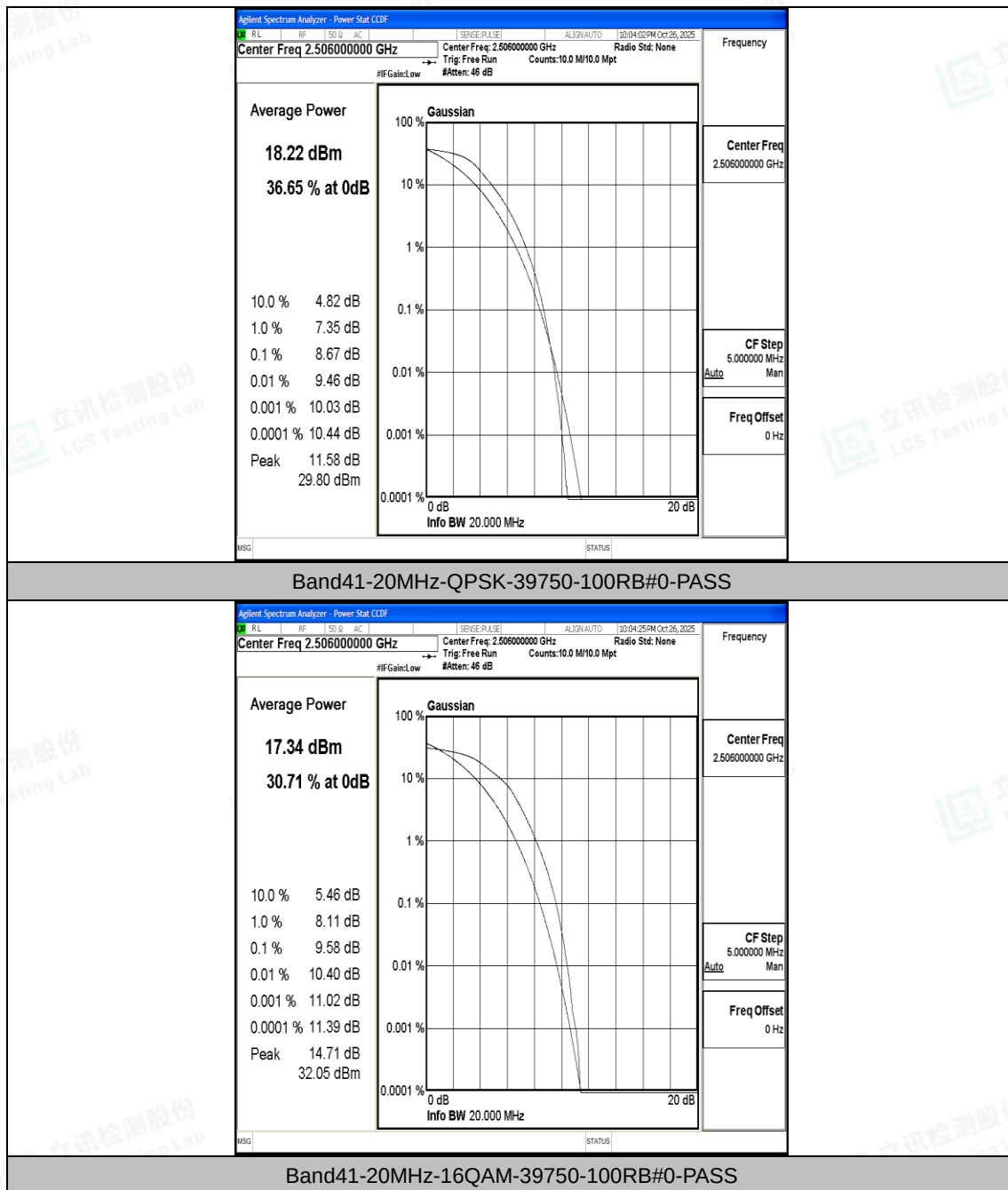


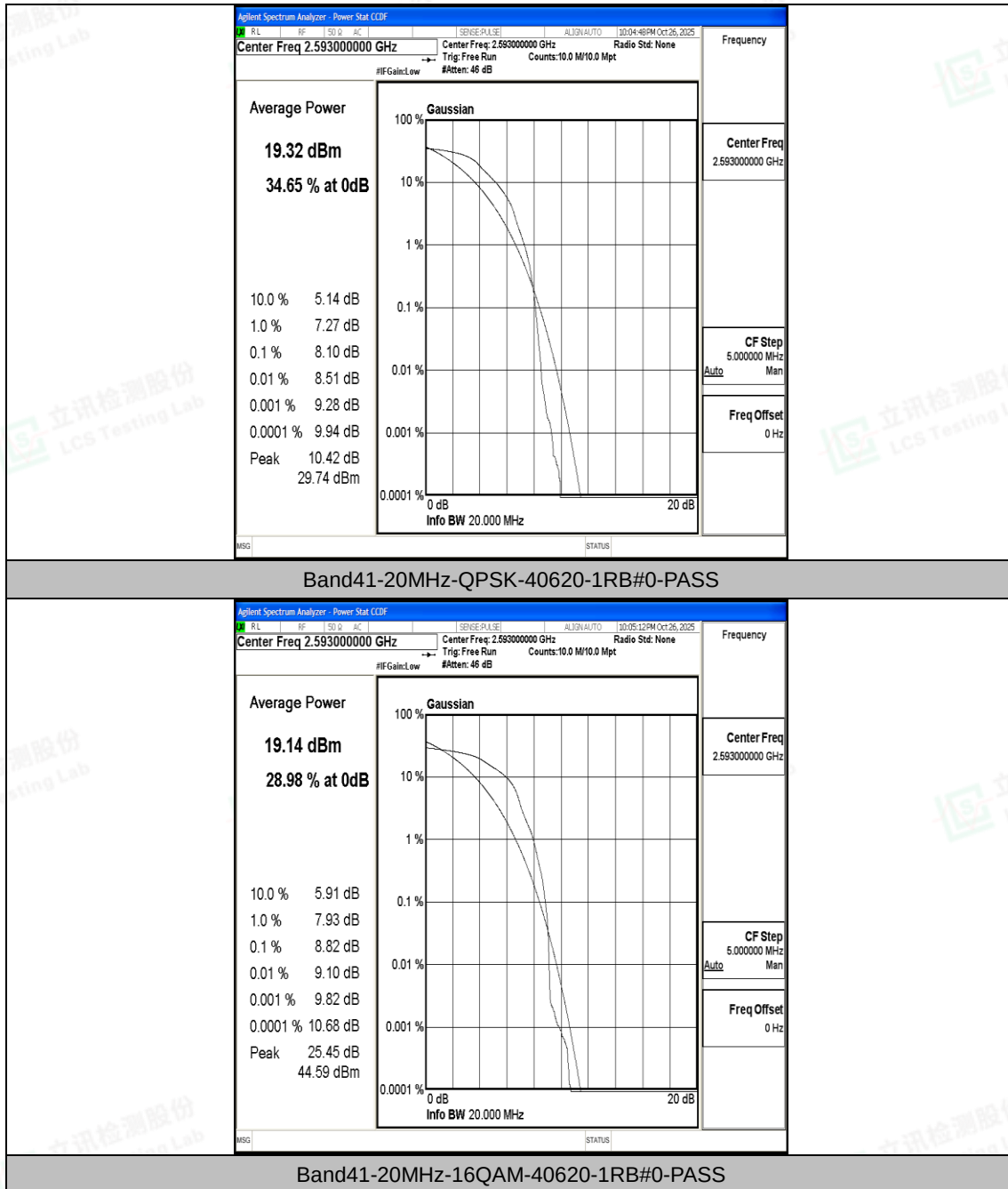


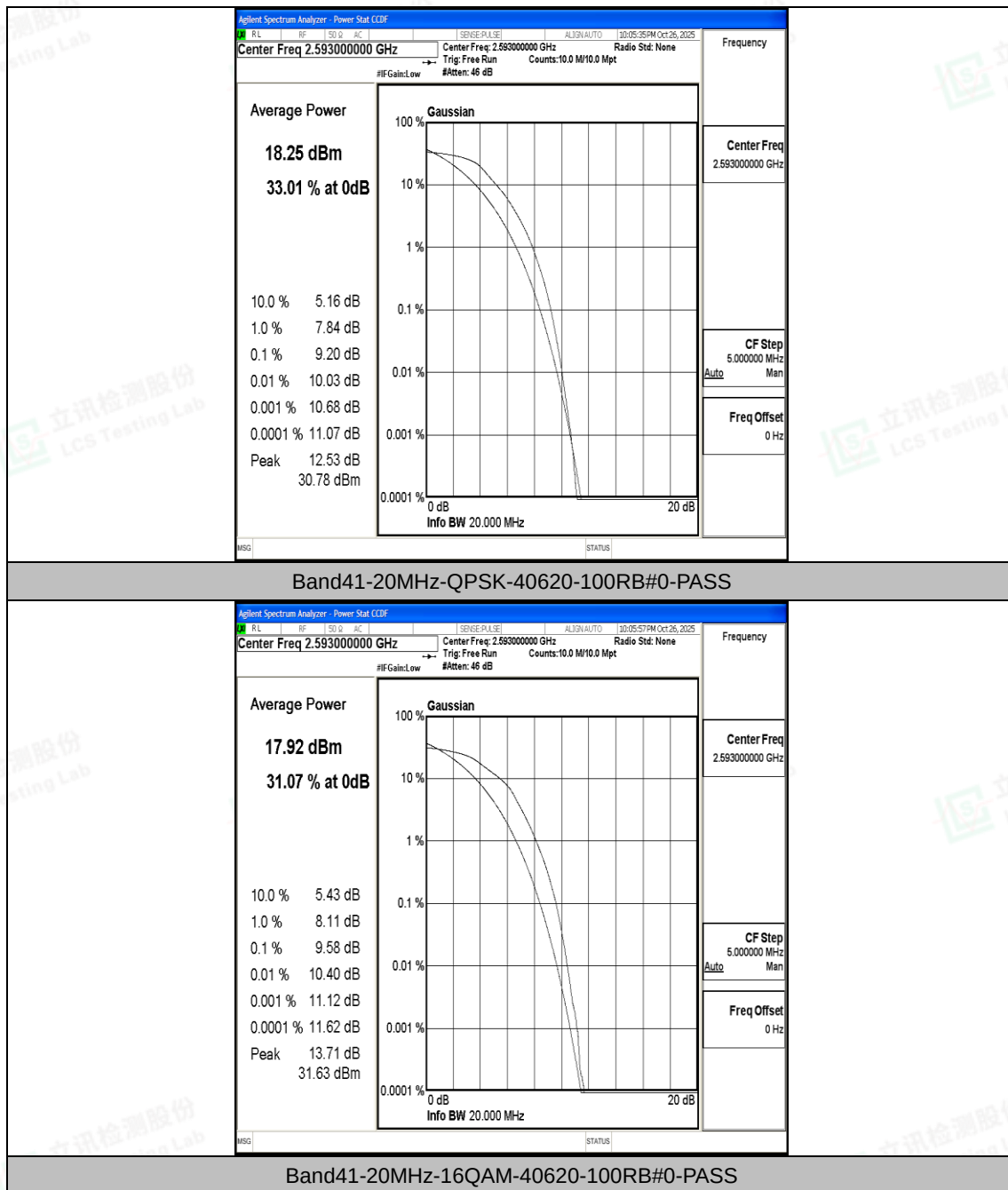


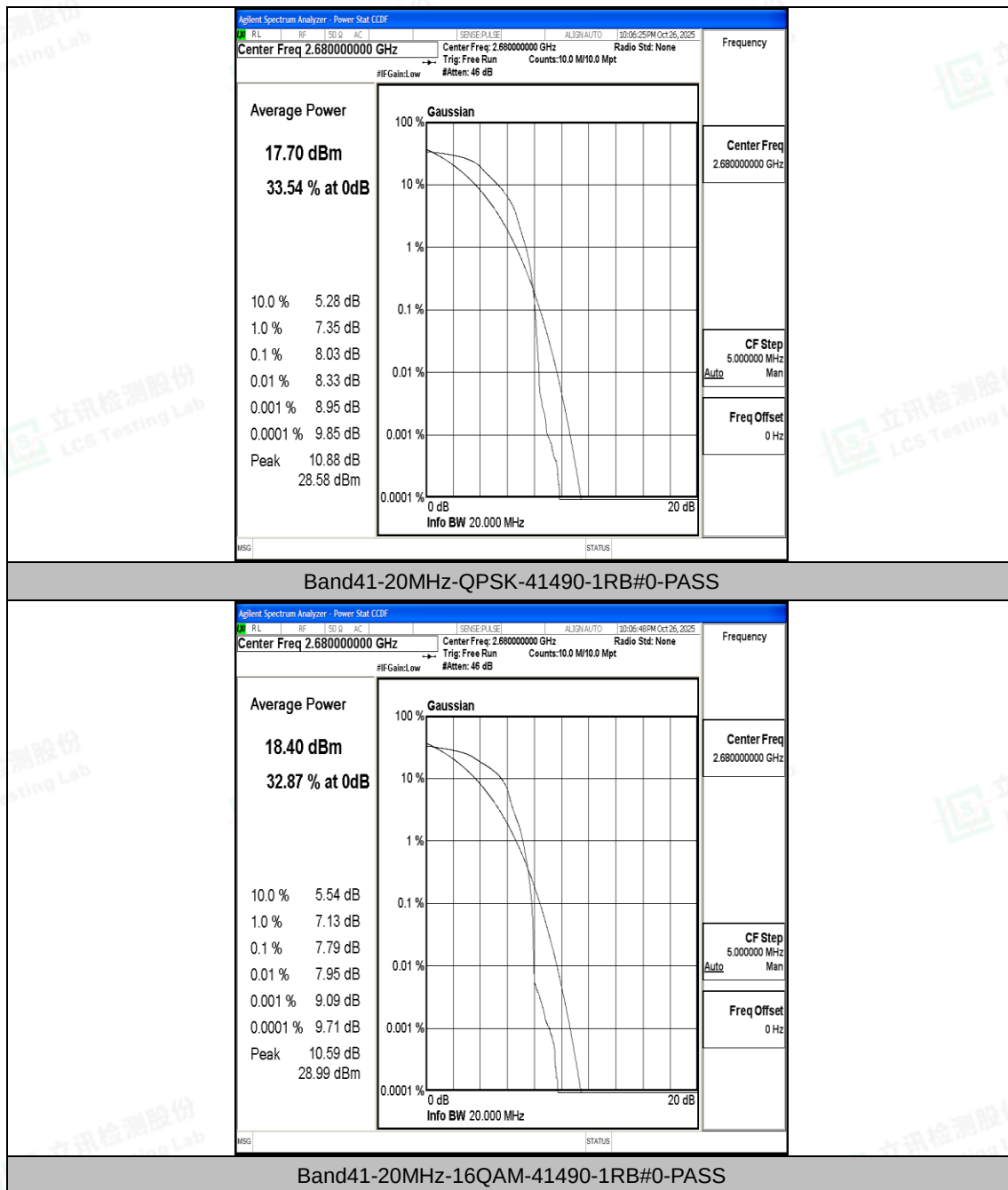


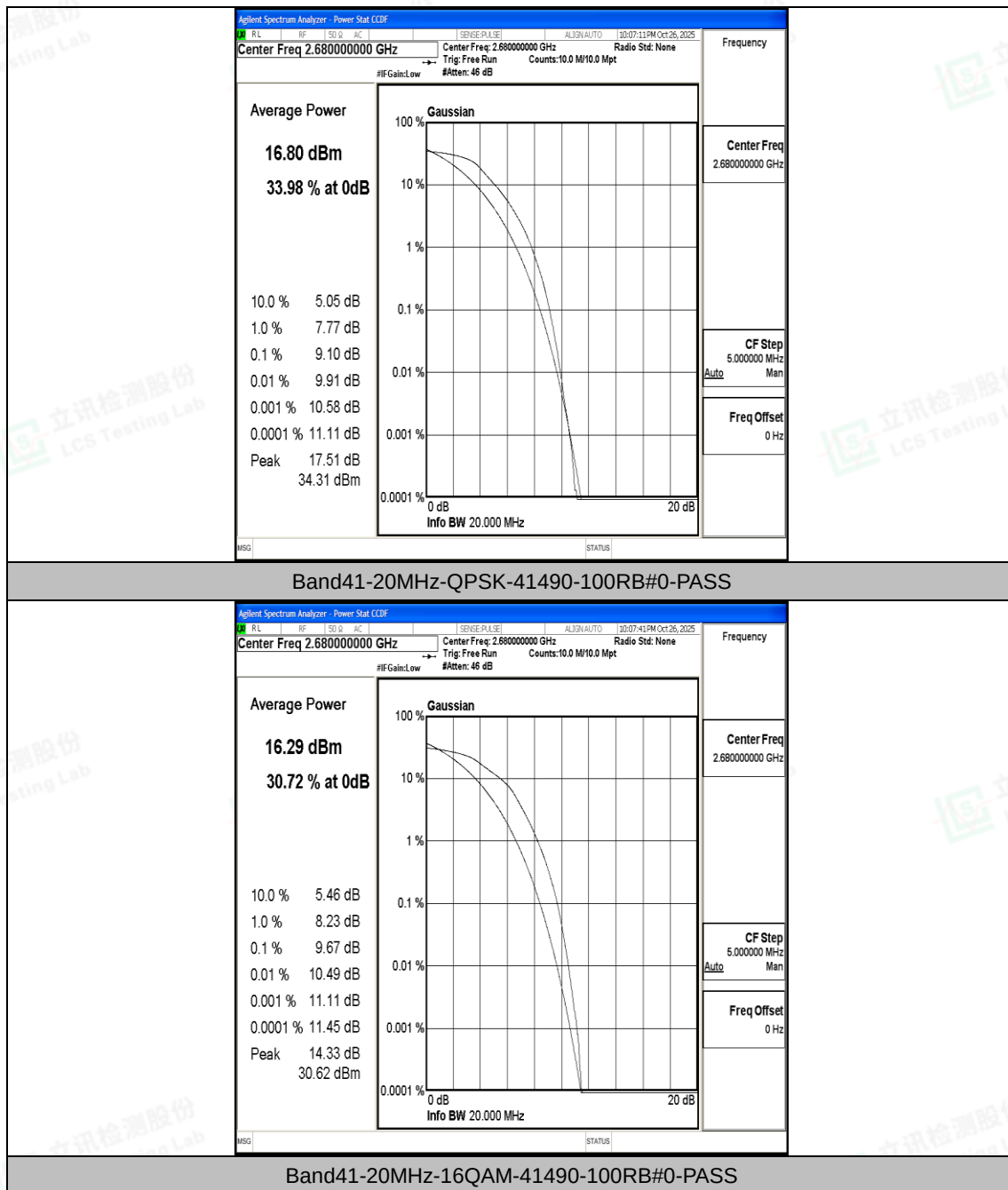














Q.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5106	5.267	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5023	5.295	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5275	5.172	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5132	5.436	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5021	5.277	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5016	5.273	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.0029	10.08	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9957	10.15	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9679	10.12	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.0058	10.12	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9834	10.28	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.0060	11.05	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.537	16.44	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.493	15.29	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.549	16.63	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.520	15.64	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.533	16.12	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.516	15.29	PASS
Band41	20MHz	QPSK	39750	100RB#0	18.068	20.41	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.995	20.58	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.051	20.90	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.973	20.74	PASS
Band41	20MHz	QPSK	41490	100RB#0	18.042	20.04	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.956	20.36	PASS





Test Graphs

