



Appendix I: Test Data for E-UTRA Band 41

Product Name: GNSS RECEIVER

Test Model: INNO8

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
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I.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	24.47	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.82	PASS
Band41	5MHz	QPSK	39675	1RB#12	24.59	PASS
Band41	5MHz	16QAM	39675	1RB#12	23.86	PASS
Band41	5MHz	QPSK	39675	1RB#24	24.37	PASS
Band41	5MHz	16QAM	39675	1RB#24	23.66	PASS
Band41	5MHz	QPSK	39675	12RB#0	23.59	PASS
Band41	5MHz	16QAM	39675	12RB#0	22.52	PASS
Band41	5MHz	QPSK	39675	12RB#6	23.57	PASS
Band41	5MHz	16QAM	39675	12RB#6	22.53	PASS
Band41	5MHz	QPSK	39675	12RB#13	23.47	PASS
Band41	5MHz	16QAM	39675	12RB#13	22.42	PASS
Band41	5MHz	QPSK	39675	25RB#0	23.55	PASS
Band41	5MHz	16QAM	39675	25RB#0	22.52	PASS
Band41	5MHz	QPSK	40620	1RB#0	24.71	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.99	PASS
Band41	5MHz	QPSK	40620	1RB#12	24.75	PASS
Band41	5MHz	16QAM	40620	1RB#12	24.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	24.46	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.79	PASS
Band41	5MHz	QPSK	40620	12RB#0	23.75	PASS
Band41	5MHz	16QAM	40620	12RB#0	22.74	PASS
Band41	5MHz	QPSK	40620	12RB#6	23.77	PASS
Band41	5MHz	16QAM	40620	12RB#6	22.71	PASS
Band41	5MHz	QPSK	40620	12RB#13	23.61	PASS
Band41	5MHz	16QAM	40620	12RB#13	22.56	PASS
Band41	5MHz	QPSK	40620	25RB#0	23.72	PASS
Band41	5MHz	16QAM	40620	25RB#0	22.67	PASS
Band41	5MHz	QPSK	41565	1RB#0	24.82	PASS
Band41	5MHz	16QAM	41565	1RB#0	24.14	PASS
Band41	5MHz	QPSK	41565	1RB#12	24.84	PASS
Band41	5MHz	16QAM	41565	1RB#12	24.17	PASS
Band41	5MHz	QPSK	41565	1RB#24	24.60	PASS
Band41	5MHz	16QAM	41565	1RB#24	23.95	PASS
Band41	5MHz	QPSK	41565	12RB#0	23.90	PASS



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Band41	5MHz	16QAM	41565	12RB#0	22.84	PASS
Band41	5MHz	QPSK	41565	12RB#6	23.89	PASS
Band41	5MHz	16QAM	41565	12RB#6	22.84	PASS
Band41	5MHz	QPSK	41565	12RB#13	23.75	PASS
Band41	5MHz	16QAM	41565	12RB#13	22.67	PASS
Band41	5MHz	QPSK	41565	25RB#0	23.81	PASS
Band41	5MHz	16QAM	41565	25RB#0	22.87	PASS
Band41	10MHz	QPSK	39700	1RB#0	24.71	PASS
Band41	10MHz	16QAM	39700	1RB#0	23.85	PASS
Band41	10MHz	QPSK	39700	1RB#24	24.72	PASS
Band41	10MHz	16QAM	39700	1RB#24	23.89	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.19	PASS
Band41	10MHz	16QAM	39700	1RB#49	23.37	PASS
Band41	10MHz	QPSK	39700	25RB#0	23.62	PASS
Band41	10MHz	16QAM	39700	25RB#0	22.69	PASS
Band41	10MHz	QPSK	39700	25RB#12	23.62	PASS
Band41	10MHz	16QAM	39700	25RB#12	22.68	PASS
Band41	10MHz	QPSK	39700	25RB#25	23.41	PASS
Band41	10MHz	16QAM	39700	25RB#25	22.47	PASS
Band41	10MHz	QPSK	39700	50RB#0	23.53	PASS
Band41	10MHz	16QAM	39700	50RB#0	22.50	PASS
Band41	10MHz	QPSK	40620	1RB#0	24.96	PASS
Band41	10MHz	16QAM	40620	1RB#0	24.07	PASS
Band41	10MHz	QPSK	40620	1RB#24	25.01	PASS
Band41	10MHz	16QAM	40620	1RB#24	24.16	PASS
Band41	10MHz	QPSK	40620	1RB#49	24.51	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.63	PASS
Band41	10MHz	QPSK	40620	25RB#0	23.94	PASS
Band41	10MHz	16QAM	40620	25RB#0	22.99	PASS
Band41	10MHz	QPSK	40620	25RB#12	23.92	PASS
Band41	10MHz	16QAM	40620	25RB#12	22.98	PASS
Band41	10MHz	QPSK	40620	25RB#25	23.65	PASS
Band41	10MHz	16QAM	40620	25RB#25	22.69	PASS
Band41	10MHz	QPSK	40620	50RB#0	23.82	PASS
Band41	10MHz	16QAM	40620	50RB#0	22.80	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.09	PASS
Band41	10MHz	16QAM	41540	1RB#0	24.24	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.25	PASS
Band41	10MHz	16QAM	41540	1RB#24	24.39	PASS
Band41	10MHz	QPSK	41540	1RB#49	24.77	PASS



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Band41	10MHz	16QAM	41540	1RB#49	23.97	PASS
Band41	10MHz	QPSK	41540	25RB#0	24.16	PASS
Band41	10MHz	16QAM	41540	25RB#0	23.17	PASS
Band41	10MHz	QPSK	41540	25RB#12	24.10	PASS
Band41	10MHz	16QAM	41540	25RB#12	23.14	PASS
Band41	10MHz	QPSK	41540	25RB#25	23.85	PASS
Band41	10MHz	16QAM	41540	25RB#25	22.96	PASS
Band41	10MHz	QPSK	41540	50RB#0	24.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	22.99	PASS
Band41	15MHz	QPSK	39725	1RB#0	24.59	PASS
Band41	15MHz	16QAM	39725	1RB#0	23.73	PASS
Band41	15MHz	QPSK	39725	1RB#38	24.35	PASS
Band41	15MHz	16QAM	39725	1RB#38	23.50	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.92	PASS
Band41	15MHz	16QAM	39725	1RB#74	23.06	PASS
Band41	15MHz	QPSK	39725	38RB#0	23.37	PASS
Band41	15MHz	16QAM	39725	38RB#0	23.40	PASS
Band41	15MHz	QPSK	39725	38RB#18	23.42	PASS
Band41	15MHz	16QAM	39725	38RB#18	23.38	PASS
Band41	15MHz	QPSK	39725	38RB#37	23.41	PASS
Band41	15MHz	16QAM	39725	38RB#37	23.39	PASS
Band41	15MHz	QPSK	39725	75RB#0	23.40	PASS
Band41	15MHz	16QAM	39725	75RB#0	22.38	PASS
Band41	15MHz	QPSK	40620	1RB#0	24.84	PASS
Band41	15MHz	16QAM	40620	1RB#0	23.96	PASS
Band41	15MHz	QPSK	40620	1RB#38	24.77	PASS
Band41	15MHz	16QAM	40620	1RB#38	23.92	PASS
Band41	15MHz	QPSK	40620	1RB#74	24.23	PASS
Band41	15MHz	16QAM	40620	1RB#74	23.39	PASS
Band41	15MHz	QPSK	40620	38RB#0	23.79	PASS
Band41	15MHz	16QAM	40620	38RB#0	23.79	PASS
Band41	15MHz	QPSK	40620	38RB#18	23.79	PASS
Band41	15MHz	16QAM	40620	38RB#18	23.77	PASS
Band41	15MHz	QPSK	40620	38RB#37	23.80	PASS
Band41	15MHz	16QAM	40620	38RB#37	23.79	PASS
Band41	15MHz	QPSK	40620	75RB#0	23.78	PASS
Band41	15MHz	16QAM	40620	75RB#0	22.75	PASS
Band41	15MHz	QPSK	41515	1RB#0	24.92	PASS
Band41	15MHz	16QAM	41515	1RB#0	24.05	PASS
Band41	15MHz	QPSK	41515	1RB#38	25.07	PASS





Band41	15MHz	16QAM	41515	1RB#38	24.23	PASS
Band41	15MHz	QPSK	41515	1RB#74	24.69	PASS
Band41	15MHz	16QAM	41515	1RB#74	23.83	PASS
Band41	15MHz	QPSK	41515	38RB#0	24.03	PASS
Band41	15MHz	16QAM	41515	38RB#0	24.02	PASS
Band41	15MHz	QPSK	41515	38RB#18	24.02	PASS
Band41	15MHz	16QAM	41515	38RB#18	24.04	PASS
Band41	15MHz	QPSK	41515	38RB#37	24.03	PASS
Band41	15MHz	16QAM	41515	38RB#37	24.01	PASS
Band41	15MHz	QPSK	41515	75RB#0	24.04	PASS
Band41	15MHz	16QAM	41515	75RB#0	23.01	PASS
Band41	20MHz	QPSK	39750	1RB#0	24.44	PASS
Band41	20MHz	16QAM	39750	1RB#0	23.45	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.35	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.37	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.62	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.64	PASS
Band41	20MHz	QPSK	39750	50RB#0	23.37	PASS
Band41	20MHz	16QAM	39750	50RB#0	22.42	PASS
Band41	20MHz	QPSK	39750	50RB#25	23.42	PASS
Band41	20MHz	16QAM	39750	50RB#25	22.42	PASS
Band41	20MHz	QPSK	39750	50RB#50	22.89	PASS
Band41	20MHz	16QAM	39750	50RB#50	21.92	PASS
Band41	20MHz	QPSK	39750	100RB#0	23.15	PASS
Band41	20MHz	16QAM	39750	100RB#0	22.16	PASS
Band41	20MHz	QPSK	40620	1RB#0	24.59	PASS
Band41	20MHz	16QAM	40620	1RB#0	23.61	PASS
Band41	20MHz	QPSK	40620	1RB#49	24.95	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.95	PASS
Band41	20MHz	QPSK	40620	1RB#99	24.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	23.00	PASS
Band41	20MHz	QPSK	40620	50RB#0	23.85	PASS
Band41	20MHz	16QAM	40620	50RB#0	22.85	PASS
Band41	20MHz	QPSK	40620	50RB#25	23.83	PASS
Band41	20MHz	16QAM	40620	50RB#25	22.86	PASS
Band41	20MHz	QPSK	40620	50RB#50	23.44	PASS
Band41	20MHz	16QAM	40620	50RB#50	22.45	PASS
Band41	20MHz	QPSK	40620	100RB#0	23.64	PASS
Band41	20MHz	16QAM	40620	100RB#0	22.68	PASS
Band41	20MHz	QPSK	41490	1RB#0	24.47	PASS



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Band41	20MHz	16QAM	41490	1RB#0	23.49	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.20	PASS
Band41	20MHz	16QAM	41490	1RB#49	24.24	PASS
Band41	20MHz	QPSK	41490	1RB#99	24.53	PASS
Band41	20MHz	16QAM	41490	1RB#99	23.54	PASS
Band41	20MHz	QPSK	41490	50RB#0	23.95	PASS
Band41	20MHz	16QAM	41490	50RB#0	22.95	PASS
Band41	20MHz	QPSK	41490	50RB#25	23.93	PASS
Band41	20MHz	16QAM	41490	50RB#25	22.96	PASS
Band41	20MHz	QPSK	41490	50RB#50	23.91	PASS
Band41	20MHz	16QAM	41490	50RB#50	22.96	PASS
Band41	20MHz	QPSK	41490	100RB#0	23.94	PASS
Band41	20MHz	16QAM	41490	100RB#0	22.94	PASS





I.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	8.50	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.40	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	8.92	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.68	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.06	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	8.66	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	8.99	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	12.63	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.78	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	9.50	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.15	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.67	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	8.46	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	9.18	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.02	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.80	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	7.75	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	8.76	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.01	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.52	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.81	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	9.26	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.33	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.82	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.59	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	9.35	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.50	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.95	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.03	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	9.01	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.22	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.85	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.52	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	9.34	13	PASS



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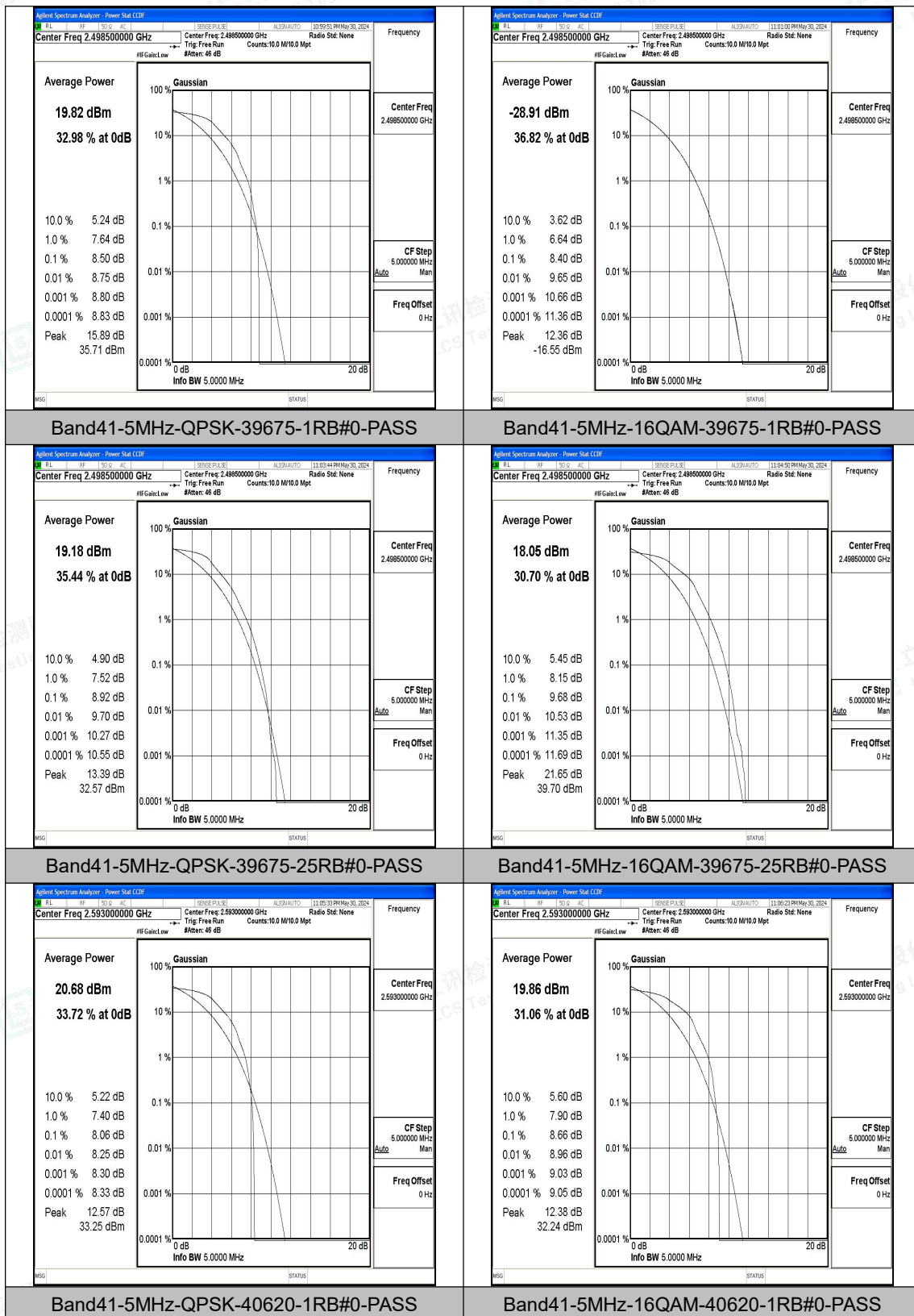


Band41	15MHz	QPSK	41515	75RB#0	9.32	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.82	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	7.68	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	9.04	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	9.20	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.77	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	7.71	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.75	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.72	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.50	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	7.82	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	9.42	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.13	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.82	13	PASS





Test Graphs

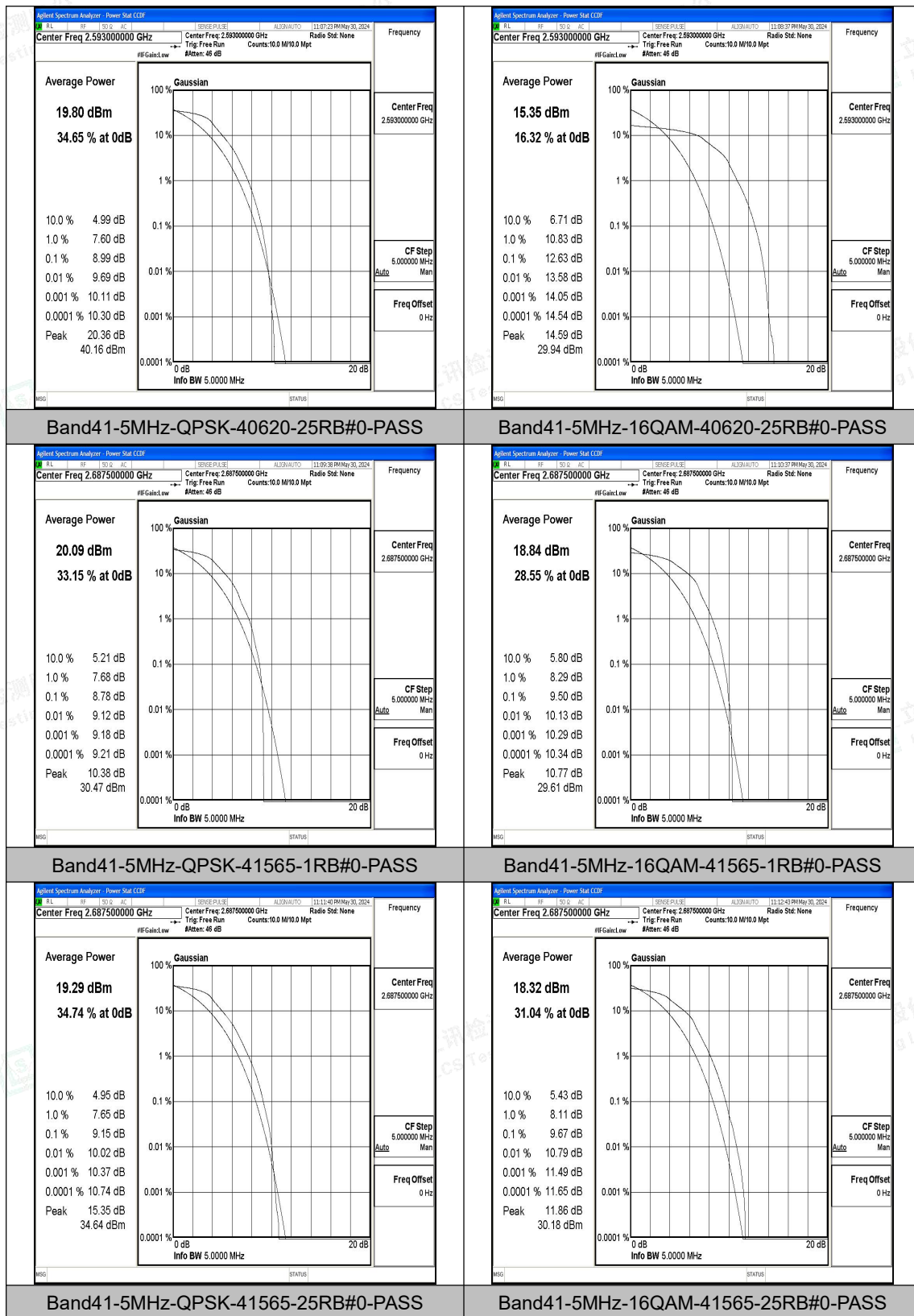


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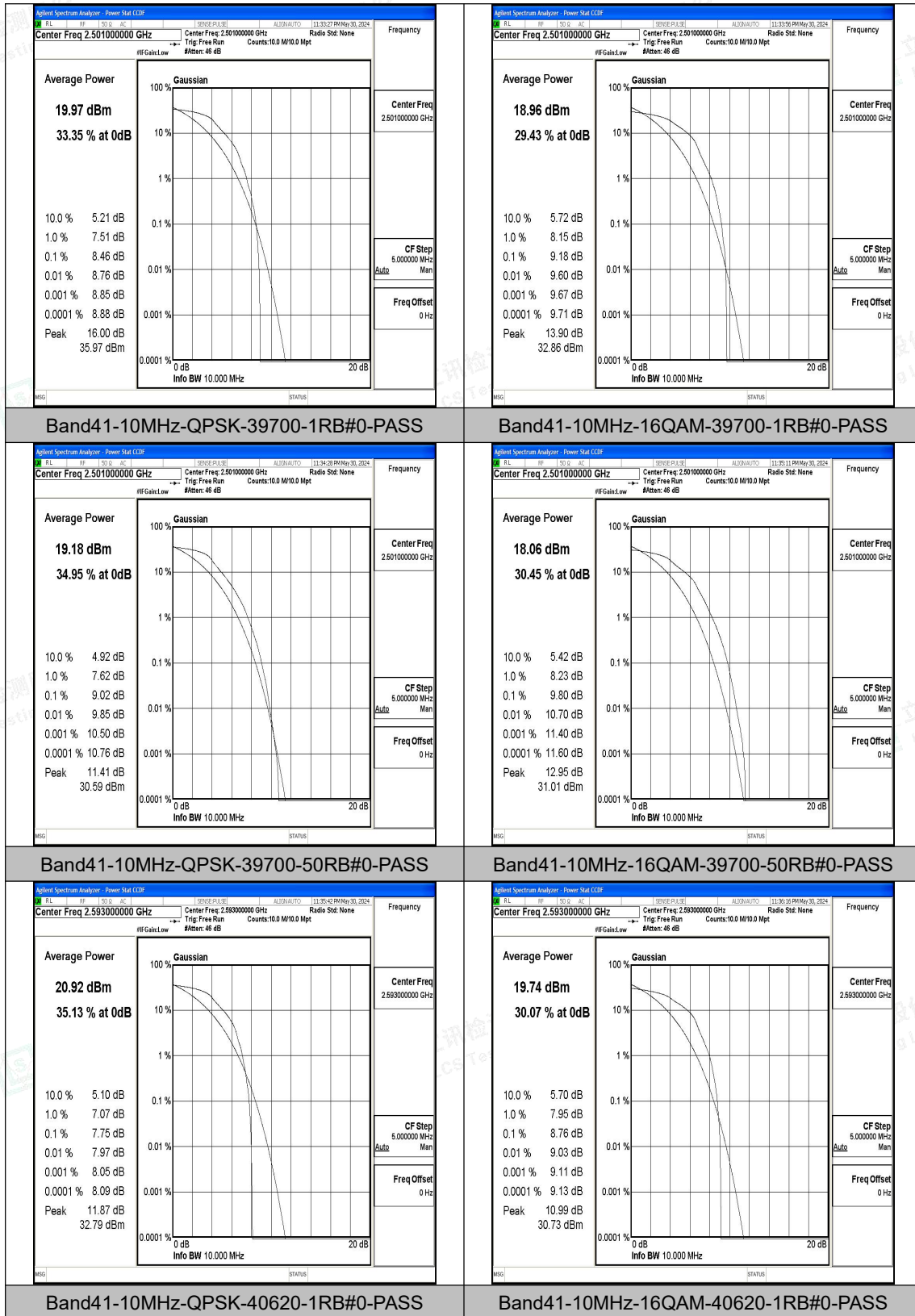


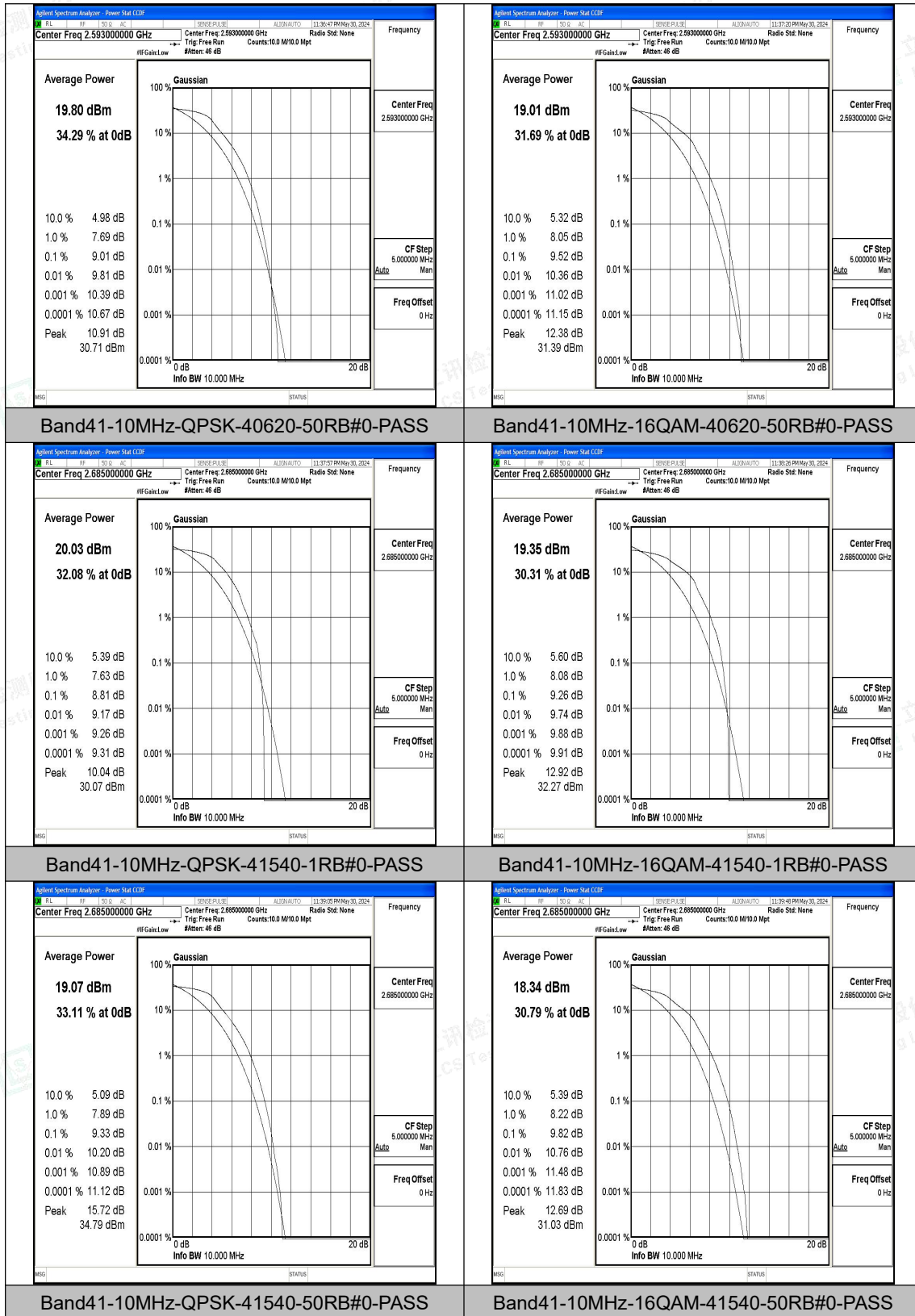
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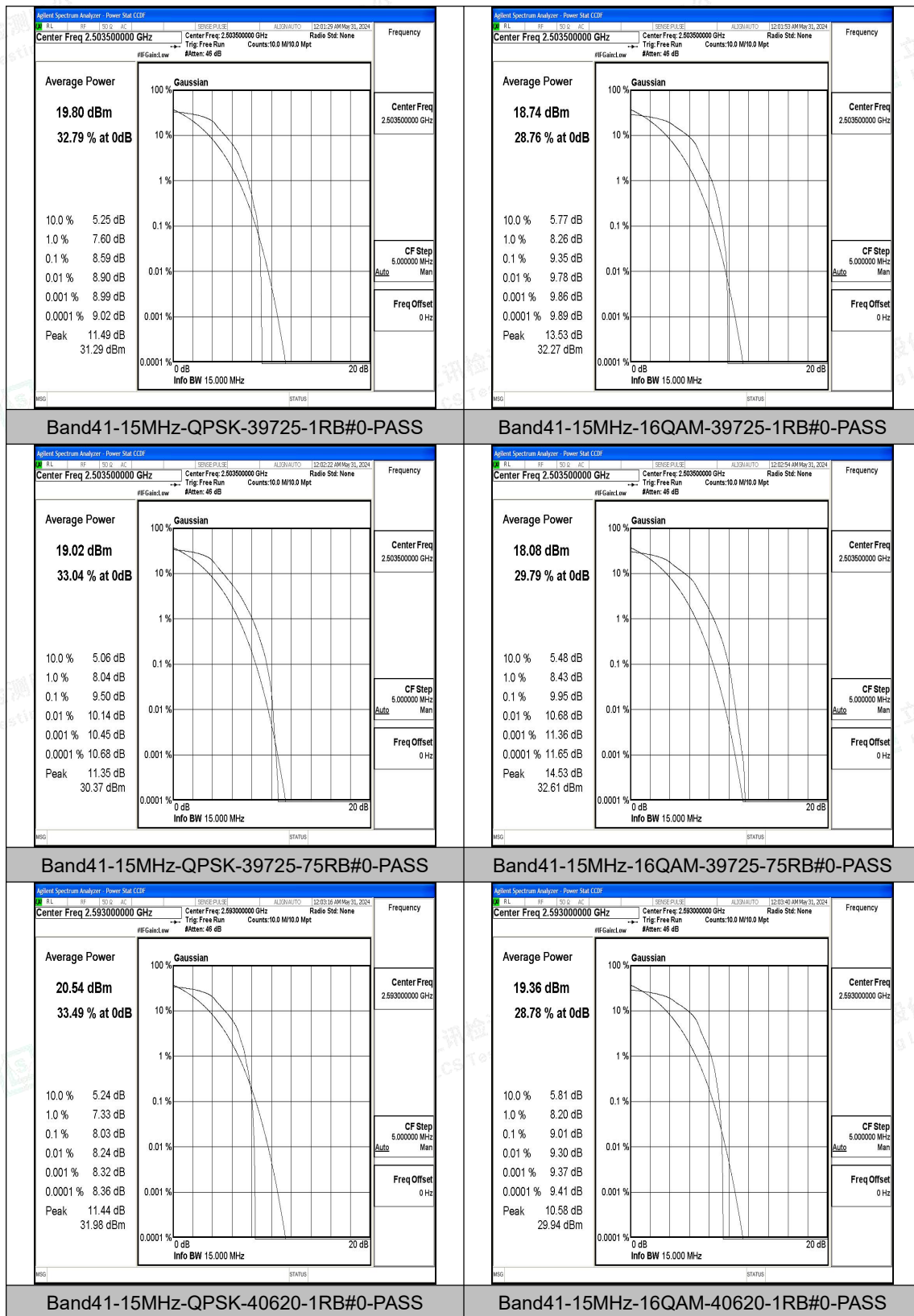
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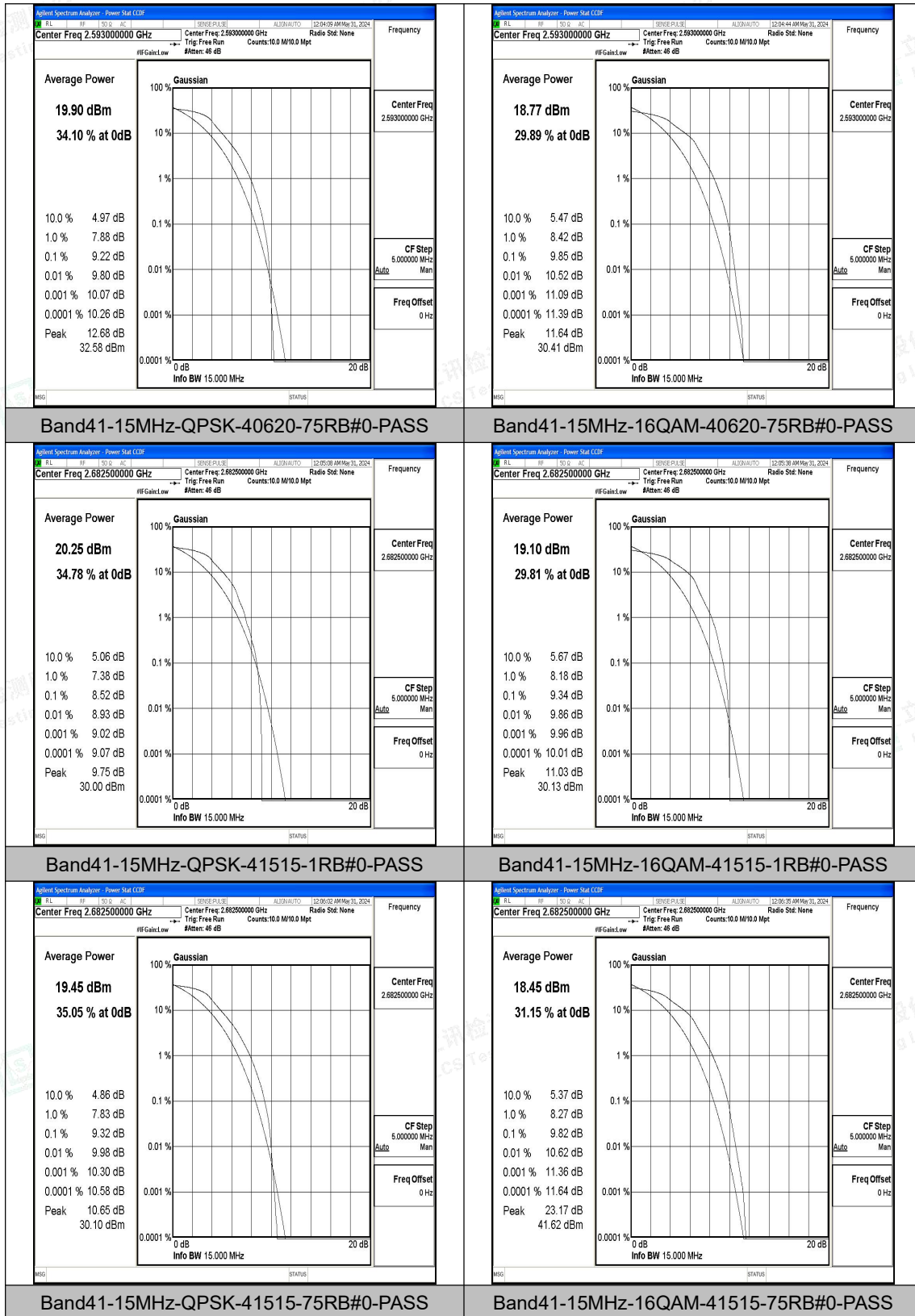


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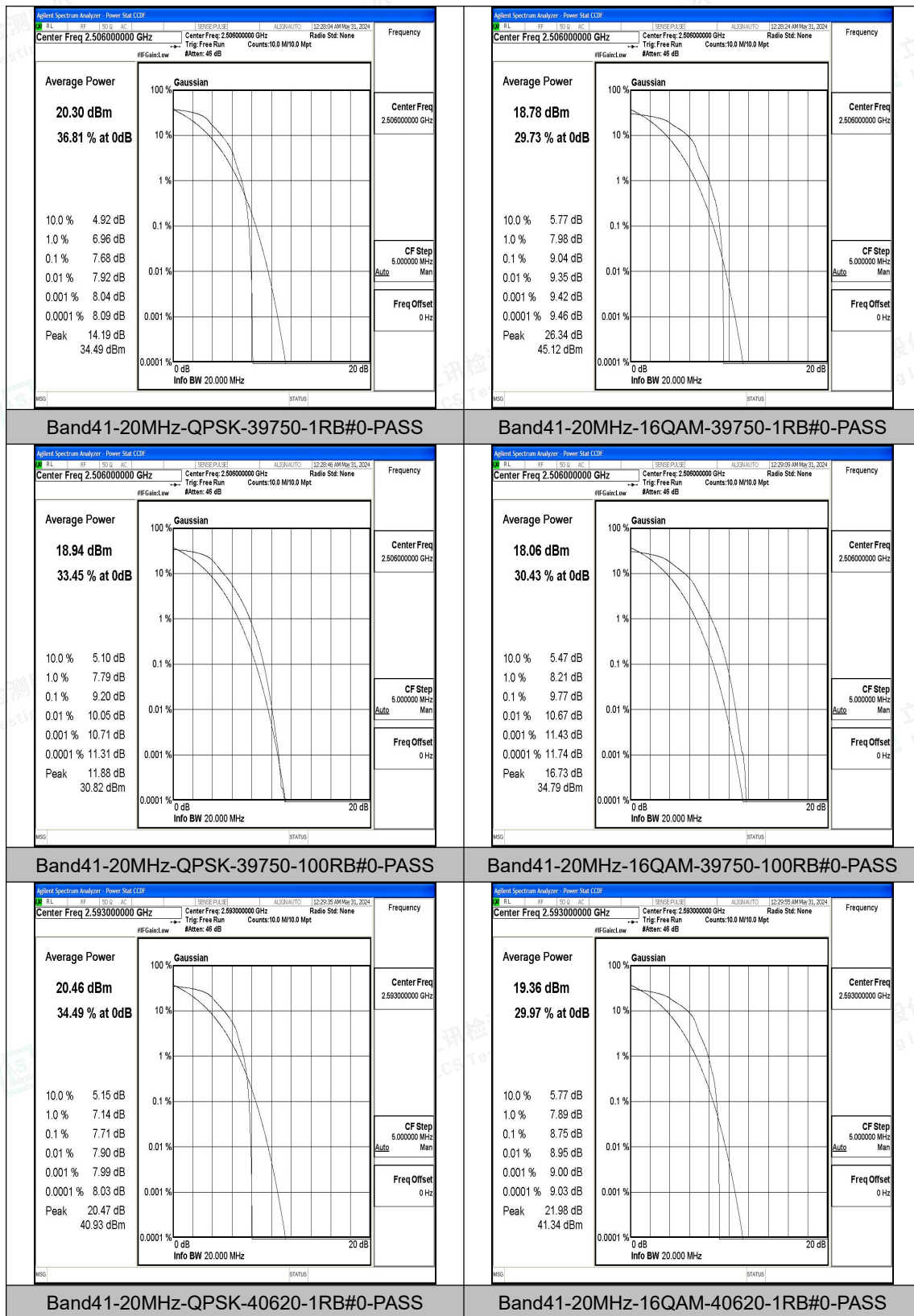


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