



Appendix H: Test Data for E-UTRA Band 12

Product Name: smartphone

Test Model: L68C

Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng



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H.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.42	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.64	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.41	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.64	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.37	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.67	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.44	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.01	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.46	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.03	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.46	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.01	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.53	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	23.00	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.47	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.39	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.43	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.39	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.42	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.58	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.54	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.33	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.52	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.43	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.60	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	23.36	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.52	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.58	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.78	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.49	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.66	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.56	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.64	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.58	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.22	PASS



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Band12	1.4MHz	QPSK	23173	3RB#1	24.57	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	23.21	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.59	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	23.17	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.46	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.65	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.49	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.28	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.48	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.19	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.51	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.29	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.47	PASS
Band12	3MHz	16QAM	23025	8RB#0	23.08	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.46	PASS
Band12	3MHz	16QAM	23025	8RB#4	23.08	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.54	PASS
Band12	3MHz	16QAM	23025	8RB#7	23.04	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.51	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.97	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.61	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.90	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.55	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.00	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.49	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.95	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.40	PASS
Band12	3MHz	16QAM	23095	8RB#0	23.13	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.40	PASS
Band12	3MHz	16QAM	23095	8RB#4	23.11	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.49	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.61	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.49	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.37	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.54	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.73	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.58	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.67	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.50	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.71	PASS



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Band12	3MHz	QPSK	23165	8RB#0	23.46	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.86	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.56	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.88	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.29	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.53	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.48	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.64	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.96	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.46	PASS
Band12	5MHz	16QAM	23035	25RB#0	23.08	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.55	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.57	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.51	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.58	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.47	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.66	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.53	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.82	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.49	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.89	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.53	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.98	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.56	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.78	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.48	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.98	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.45	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.93	PASS
Band12	5MHz	16QAM	23095	12RB#0	23.00	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.47	PASS
Band12	5MHz	16QAM	23095	12RB#6	23.00	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.49	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.47	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.52	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.53	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.56	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.93	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.46	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.04	PASS



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Band12	5MHz	QPSK	23155	1RB#24	24.42	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.02	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.51	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.36	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.40	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.37	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.50	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.84	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.33	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.86	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.78	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.98	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.66	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.93	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.59	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.90	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.90	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.00	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.89	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.98	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.72	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.94	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.81	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.00	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.70	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.93	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.57	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.93	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.45	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.50	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.80	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.97	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.81	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.97	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.63	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.80	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.72	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.95	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.79	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.78	PASS



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Band12	10MHz	QPSK	23130	1RB#24	23.82	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.66	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.76	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.66	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.79	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.98	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.79	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.98	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.81	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.98	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.71	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.87	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.53	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.39	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.46	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.10	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.01	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.07	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.72	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.53	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.14	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.05	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.26	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.99	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.49	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.68	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.39	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.06	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.92	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.10	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.70	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.56	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.97	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.18	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.19	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.79	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.57	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.79	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.37	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.04	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.69	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.89	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.71	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.42	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.30	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.53	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.36	13	PASS



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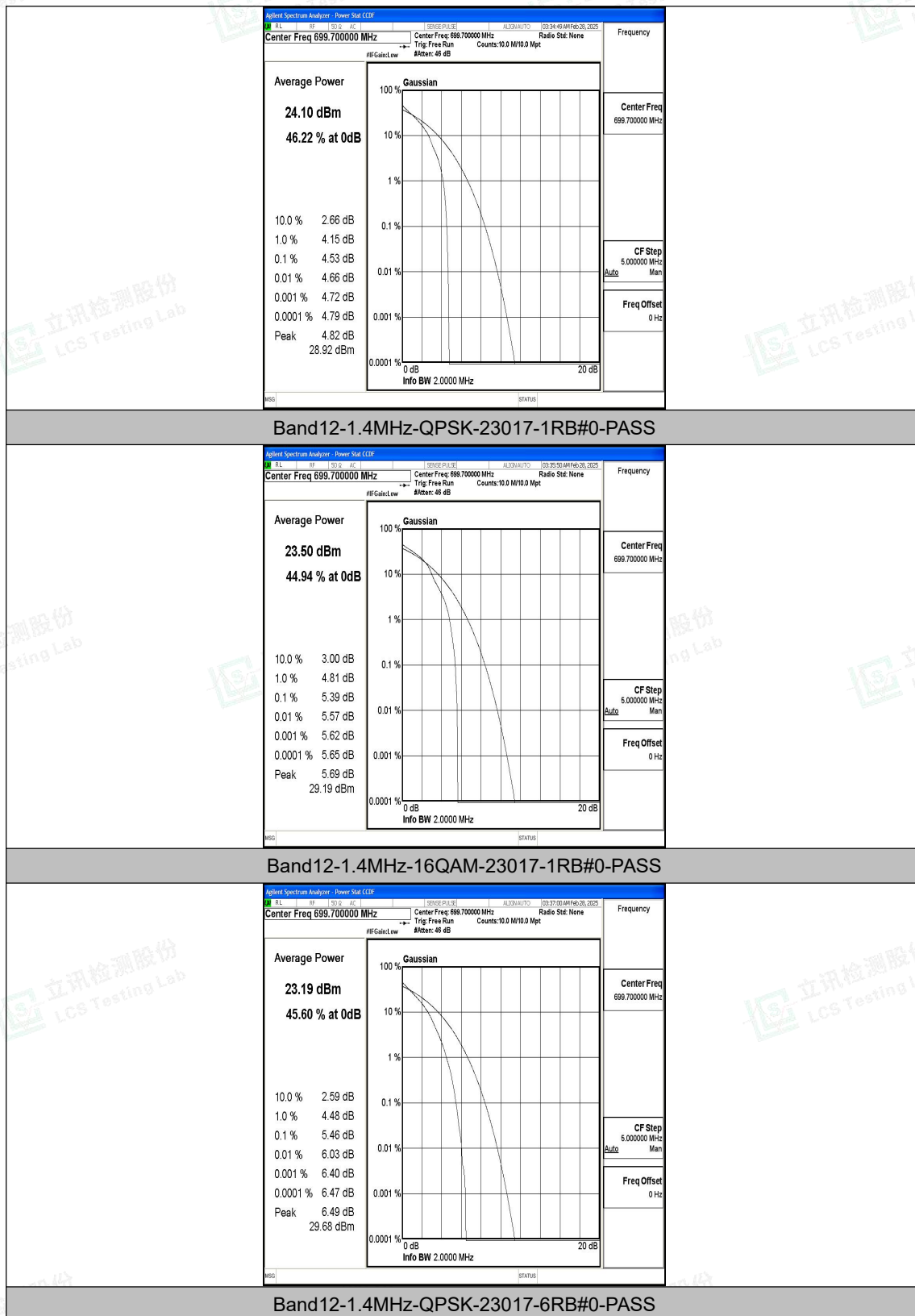


Band12	5MHz	16QAM	23155	25RB#0	5.92	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.06	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.93	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.65	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.36	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.04	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.78	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.69	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.36	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.96	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.68	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.59	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.29	13	PASS





Test Graphs

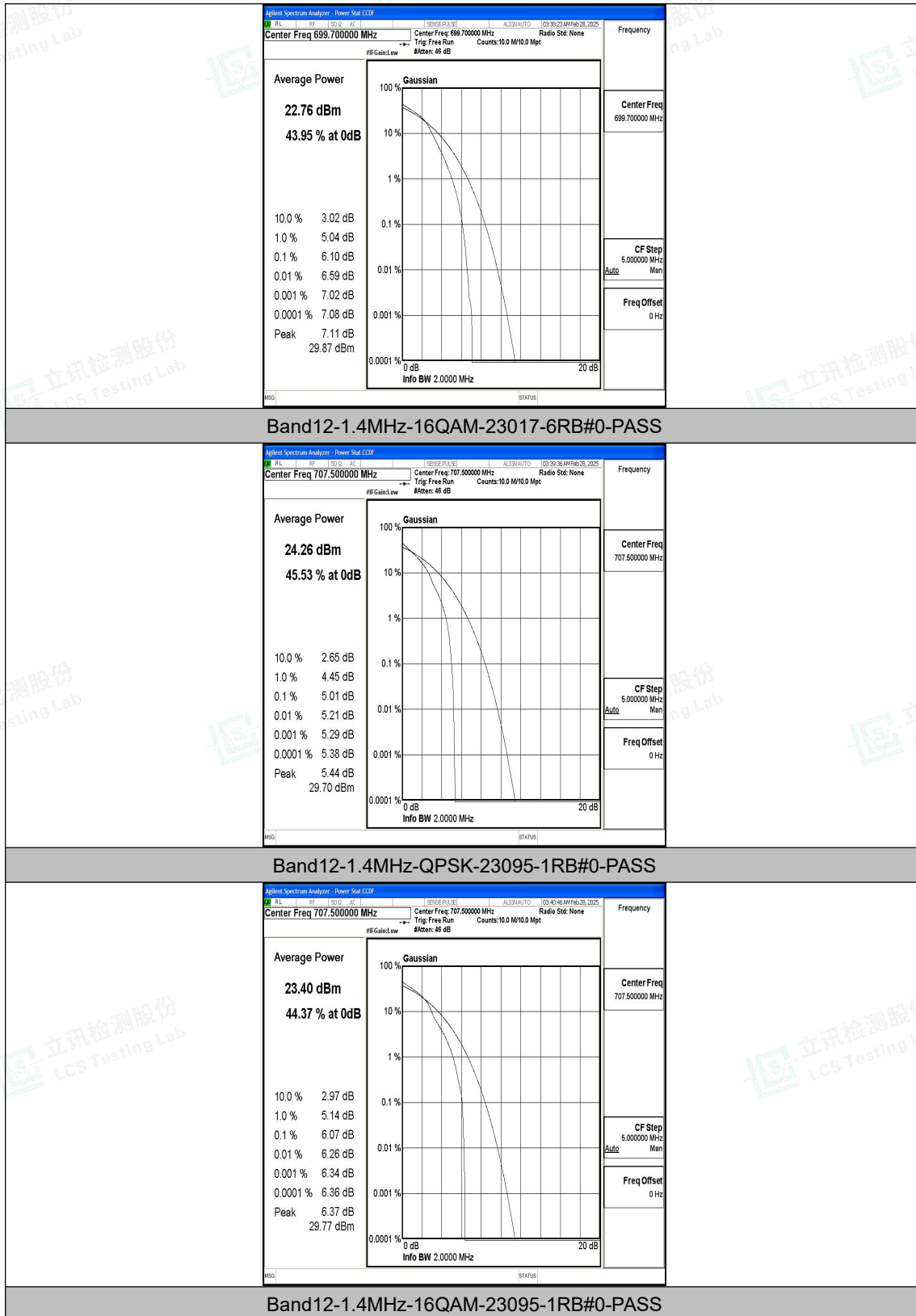


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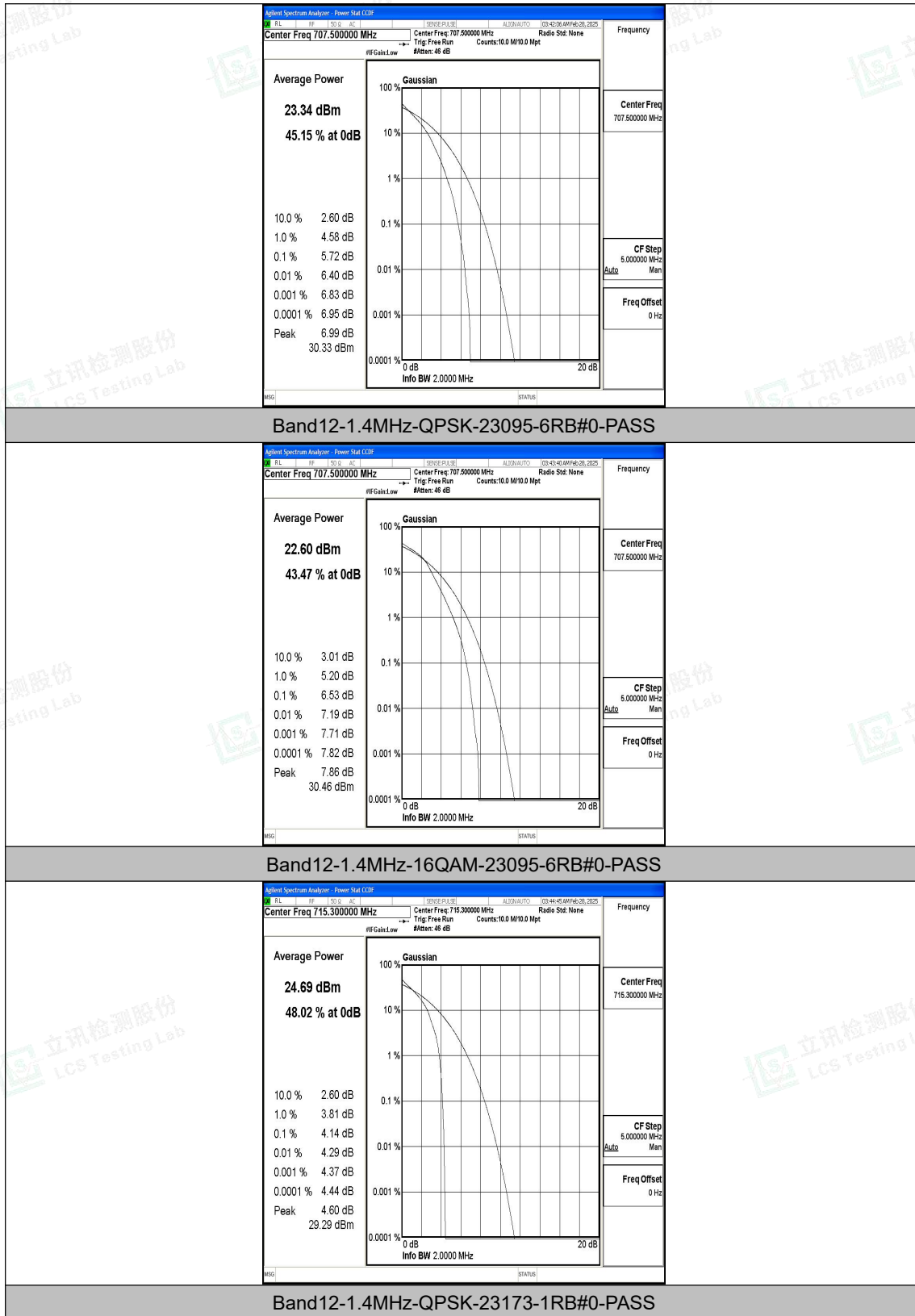


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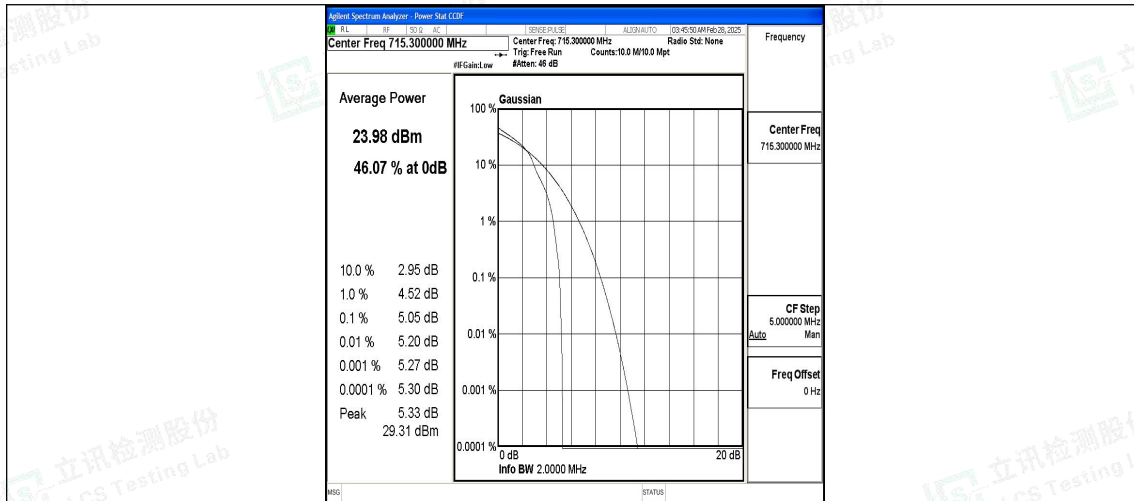


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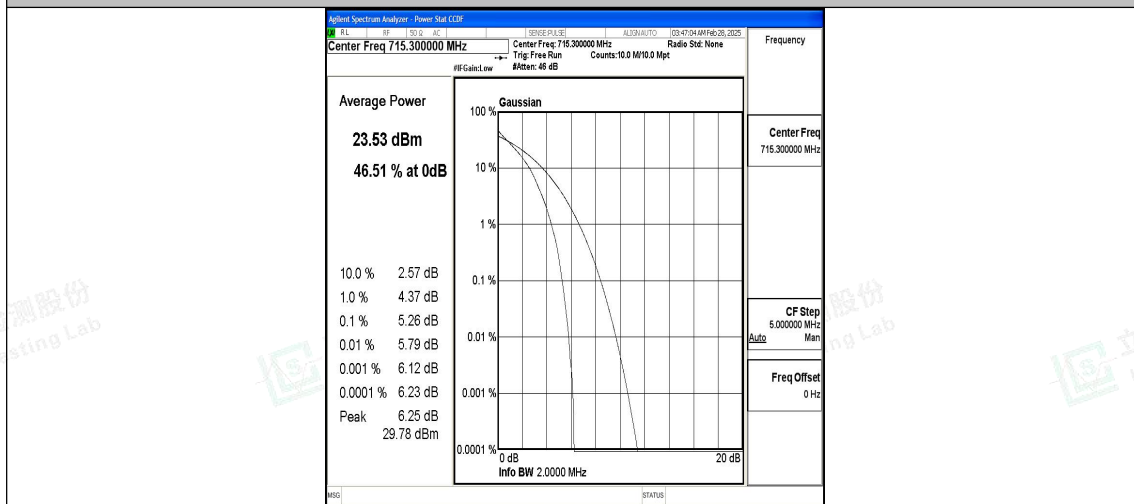
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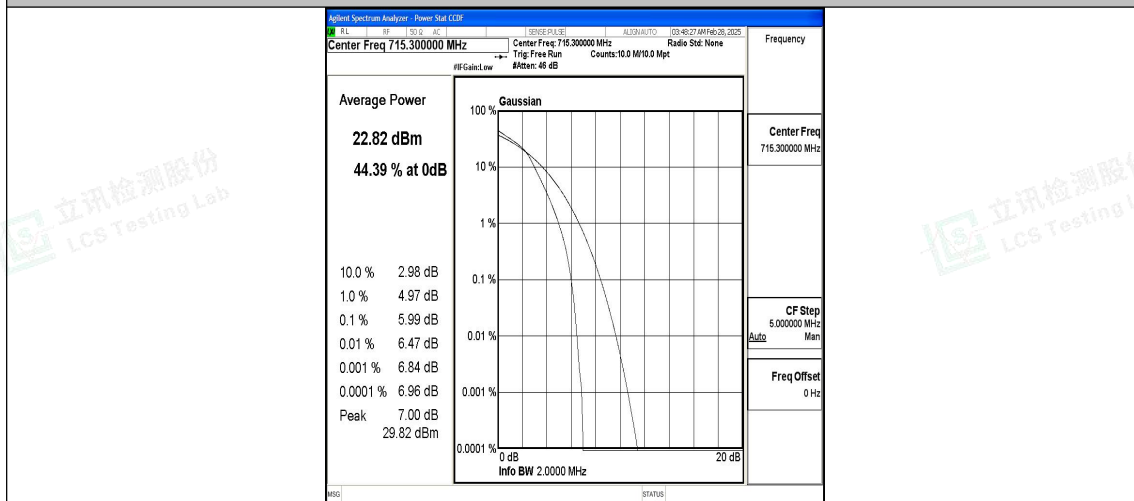
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Band12-1.4MHz-16QAM-23173-1RB#0-PASS



Band12-1.4MHz-QPSK-23173-6RB#0-PASS



Band12-1.4MHz-16QAM-23173-6RB#0-PASS

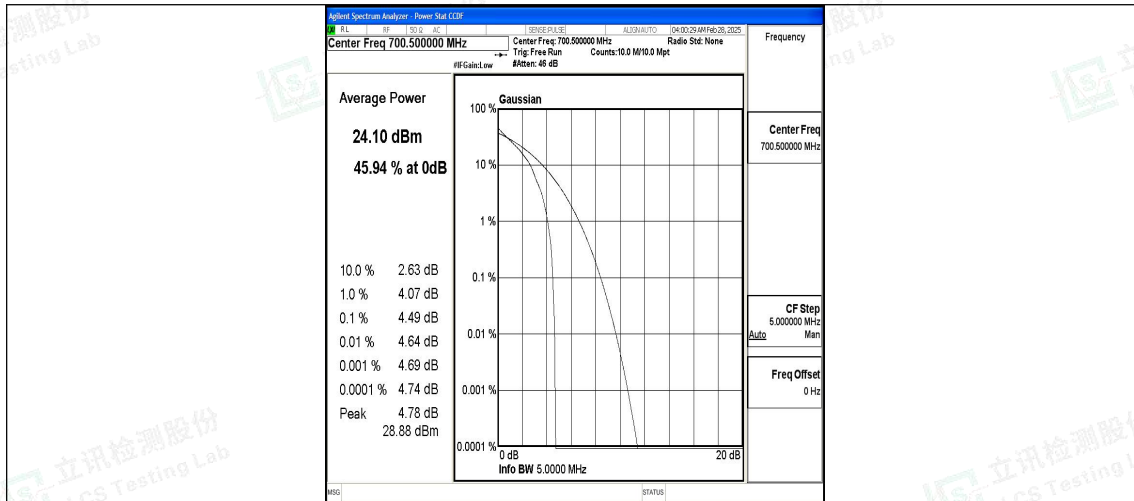


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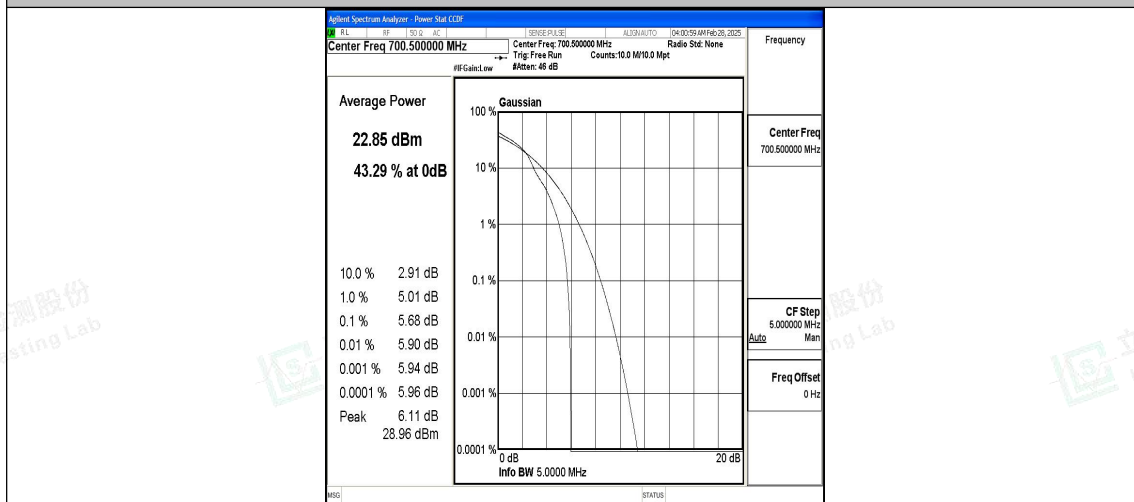
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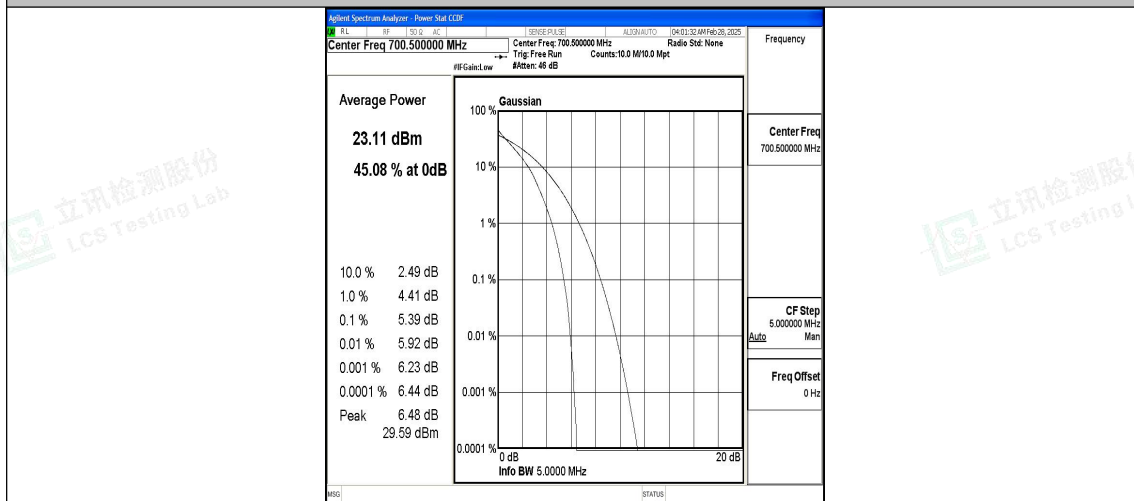
Scan code to check authenticity



Band12-3MHz-QPSK-23025-1RB#0-PASS



Band12-3MHz-16QAM-23025-1RB#0-PASS



Band12-3MHz-QPSK-23025-15RB#0-PASS

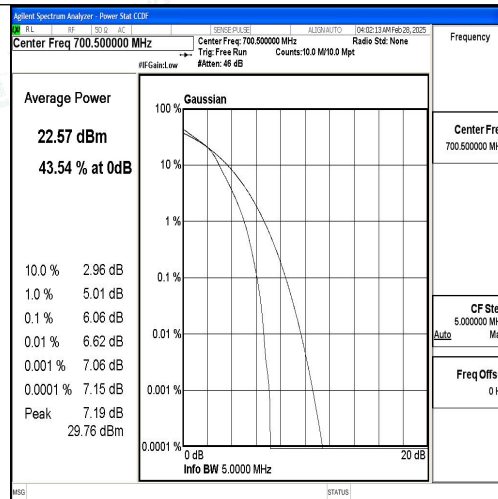


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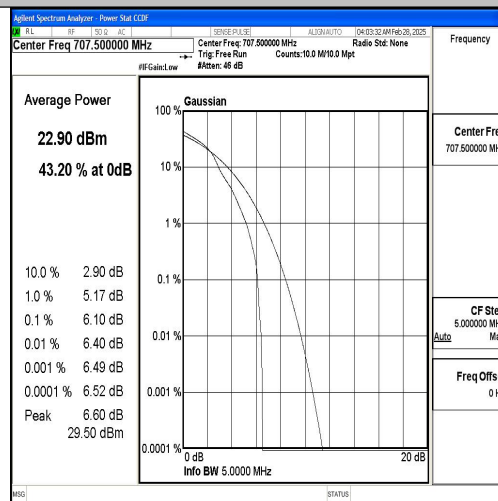
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Band12-3MHz-16QAM-23025-15RB#0-PASS

Band12-3MHz-QPSK-23095-1RB#0-PASS



Band12-3MHz-16QAM-23095-1RB#0-PASS

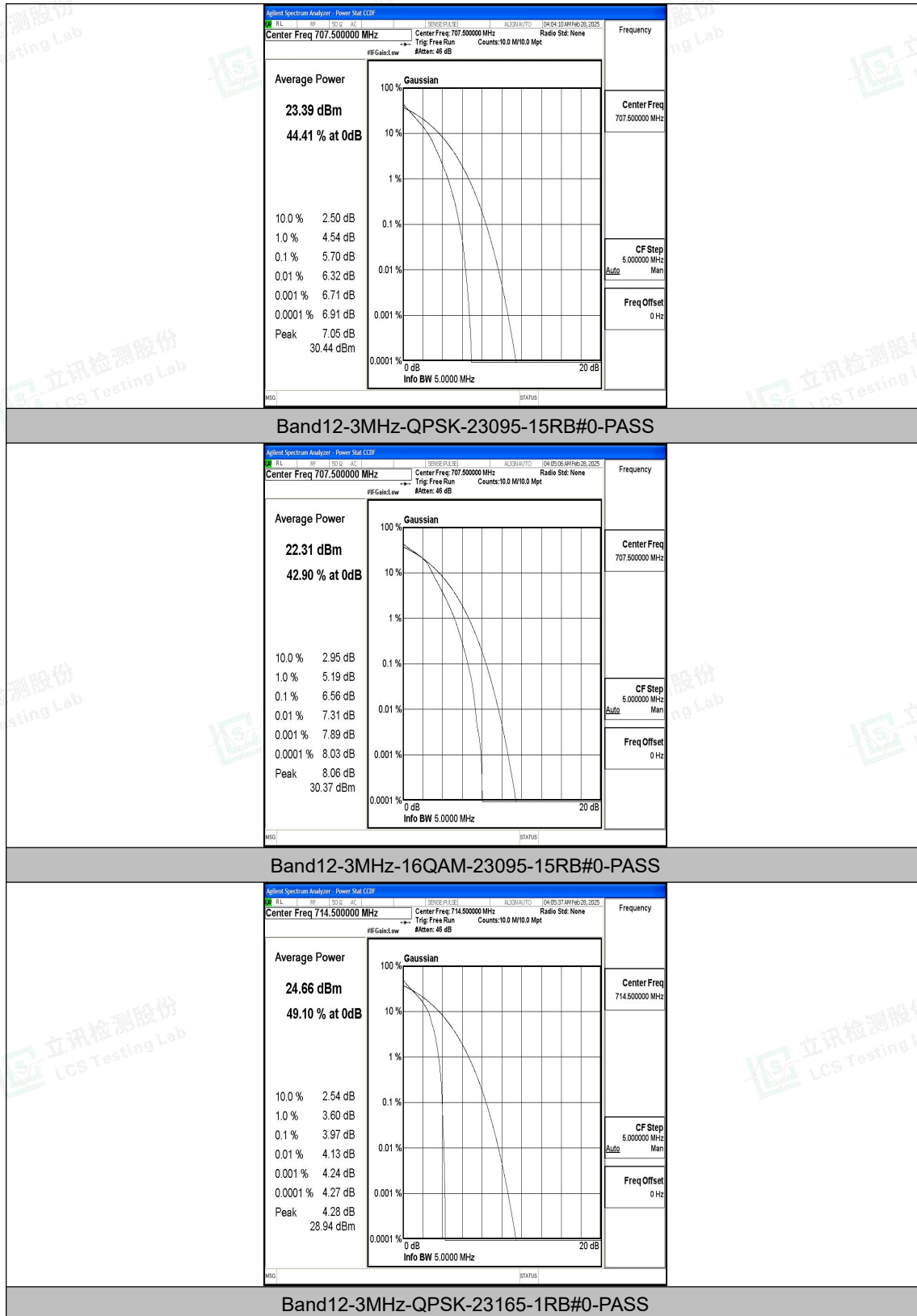


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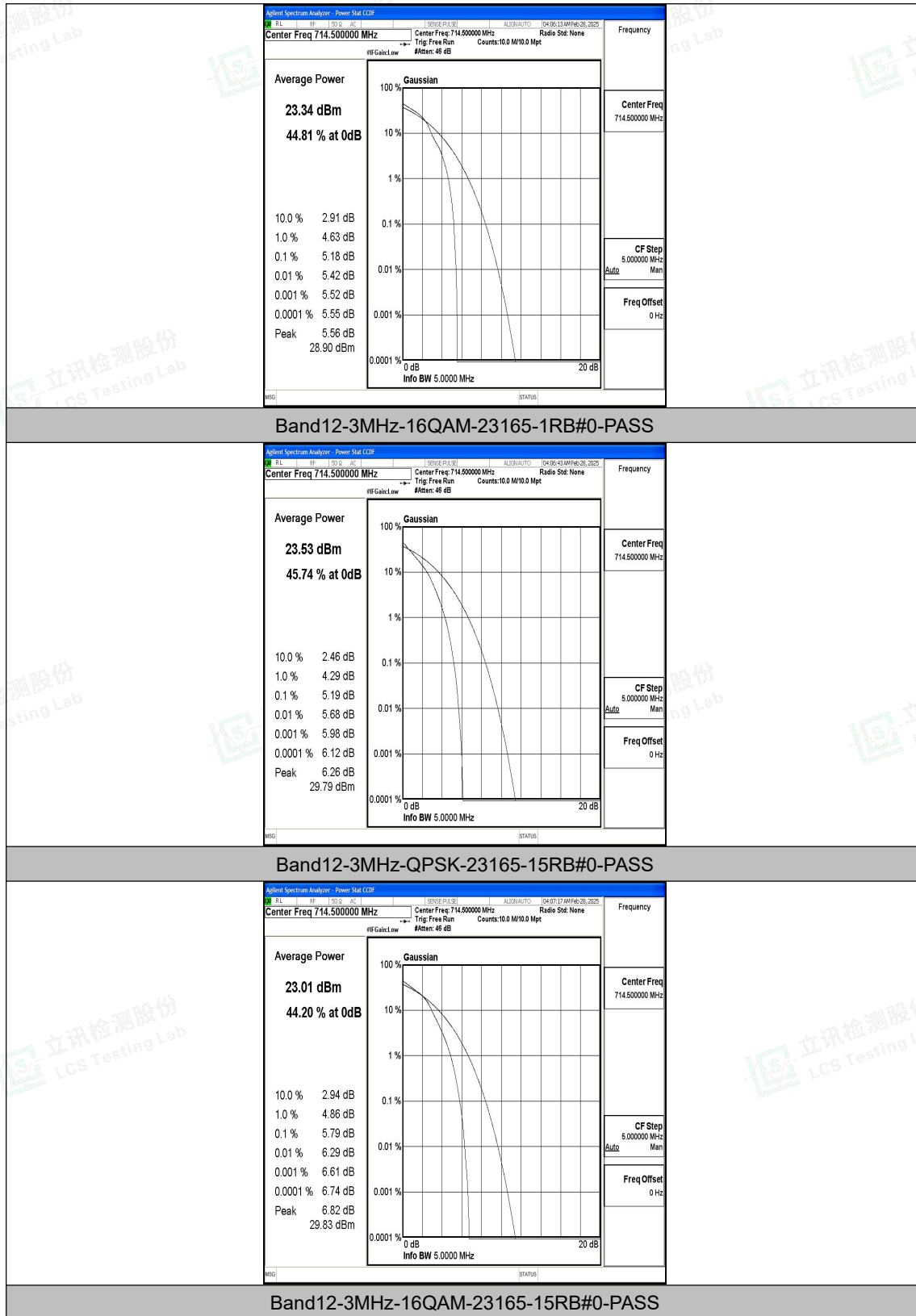


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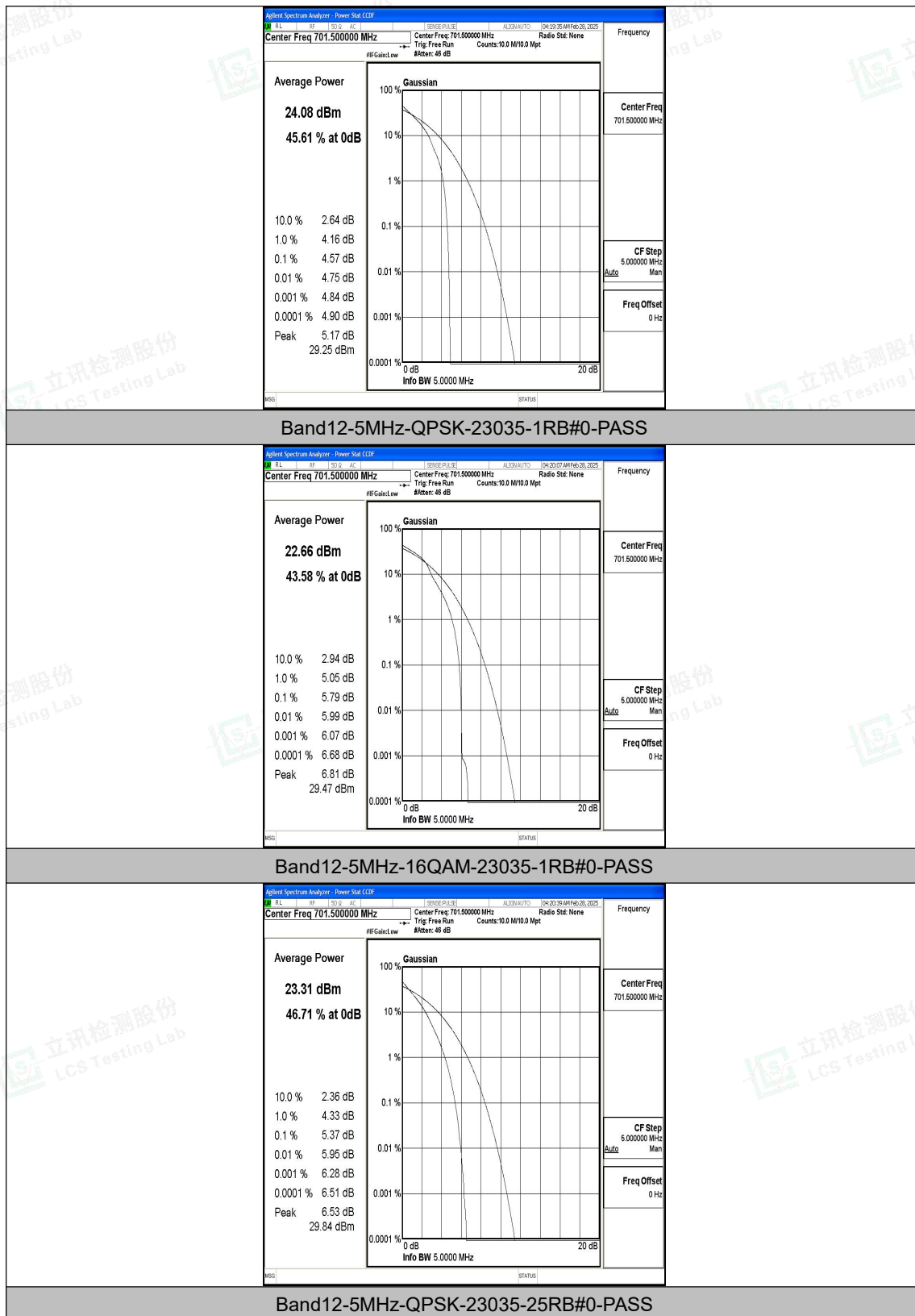


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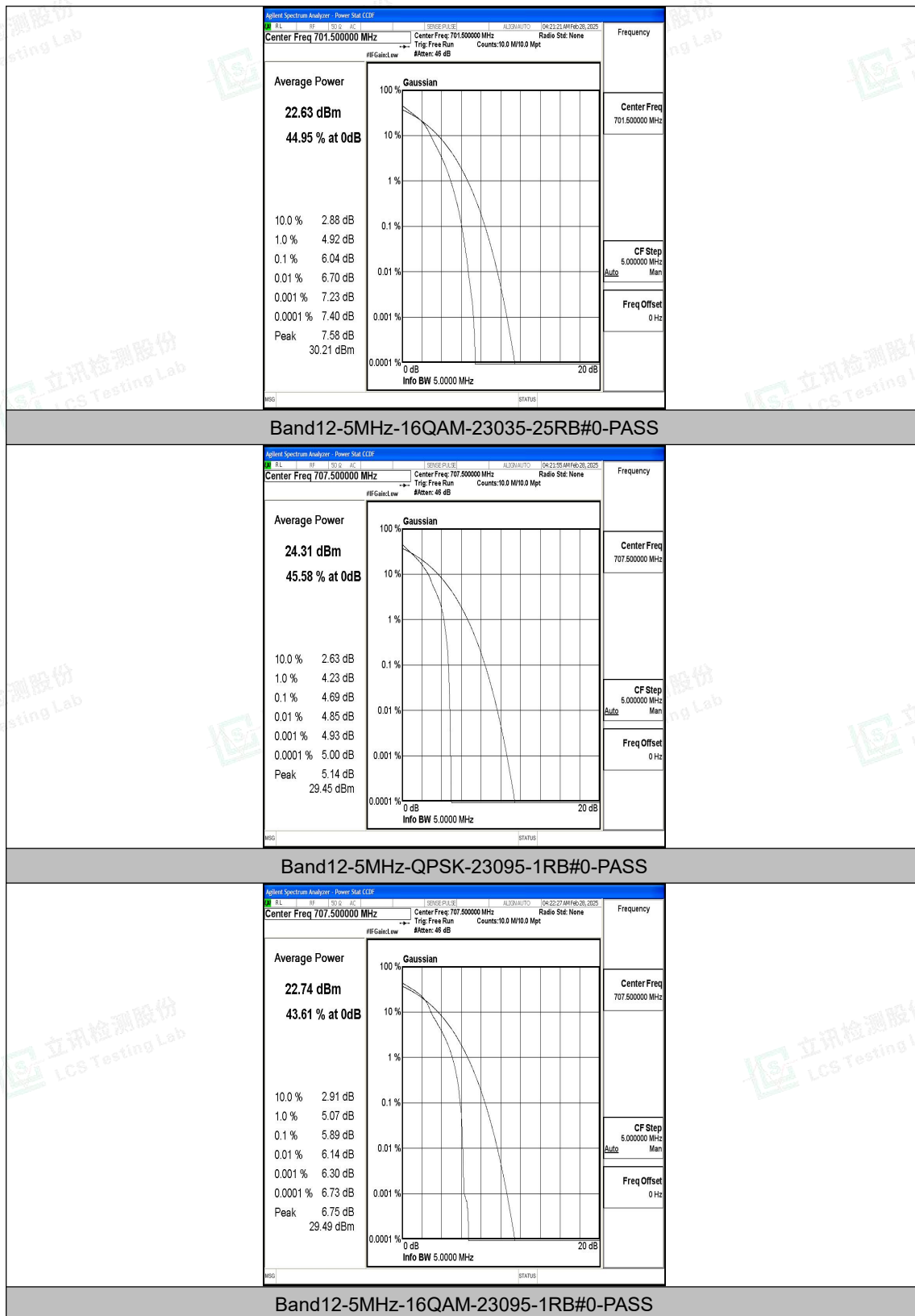


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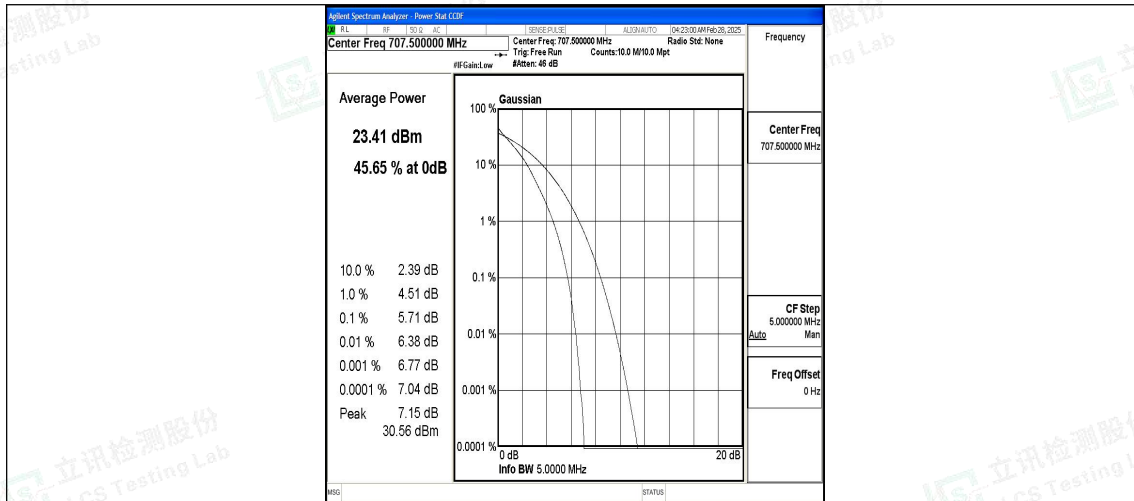


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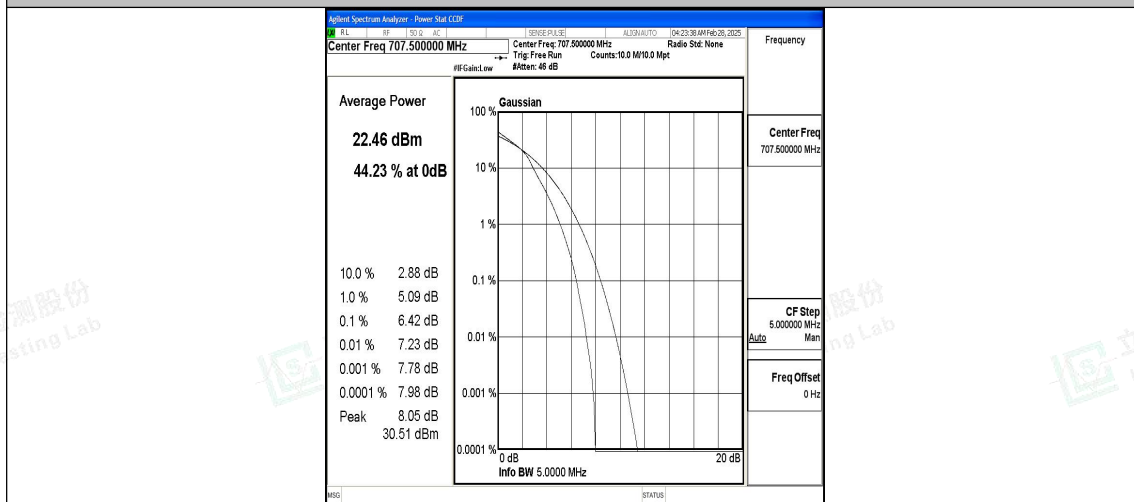
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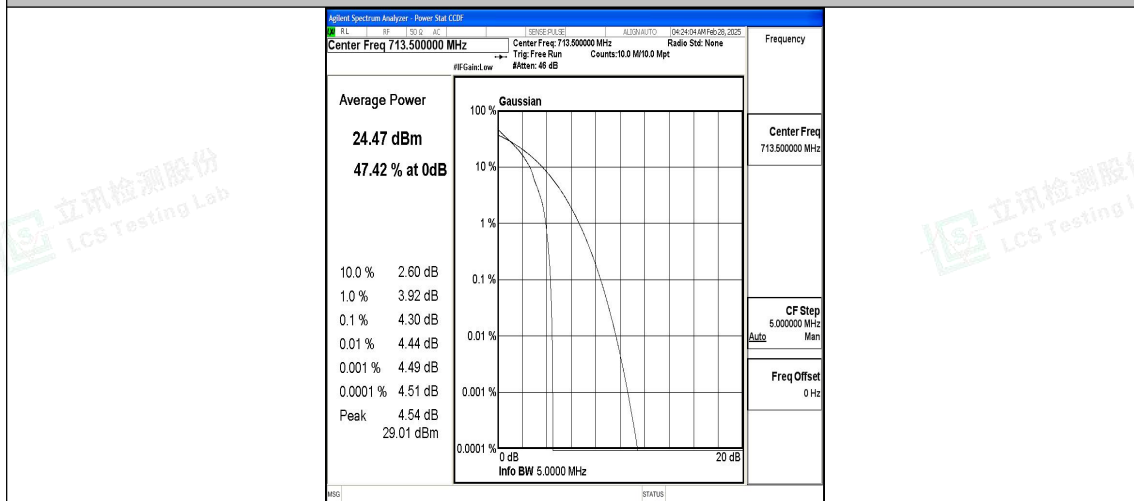
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Band12-5MHz-QPSK-23095-25RB#0-PASS



Band12-5MHz-16QAM-23095-25RB#0-PASS



Band12-5MHz-QPSK-23155-1RB#0-PASS

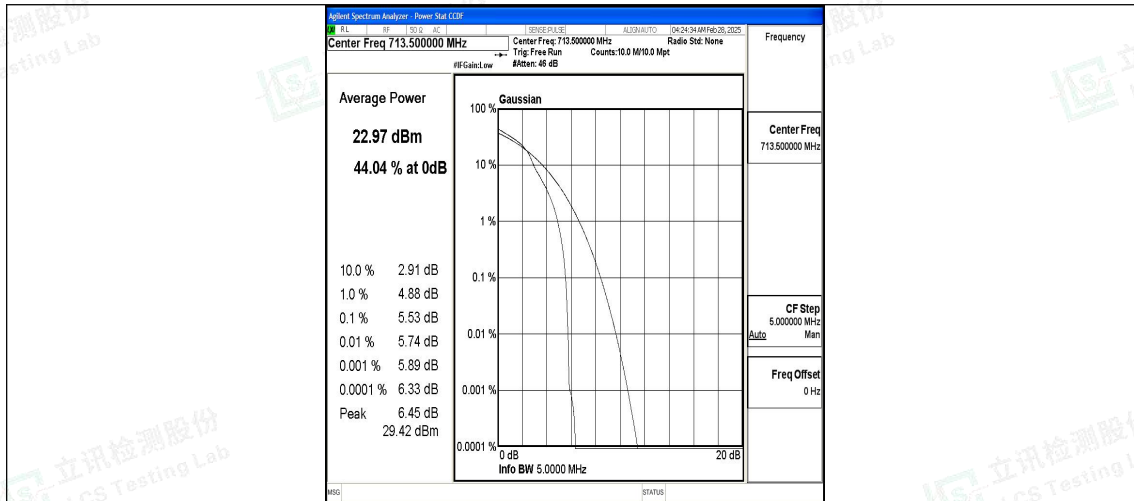


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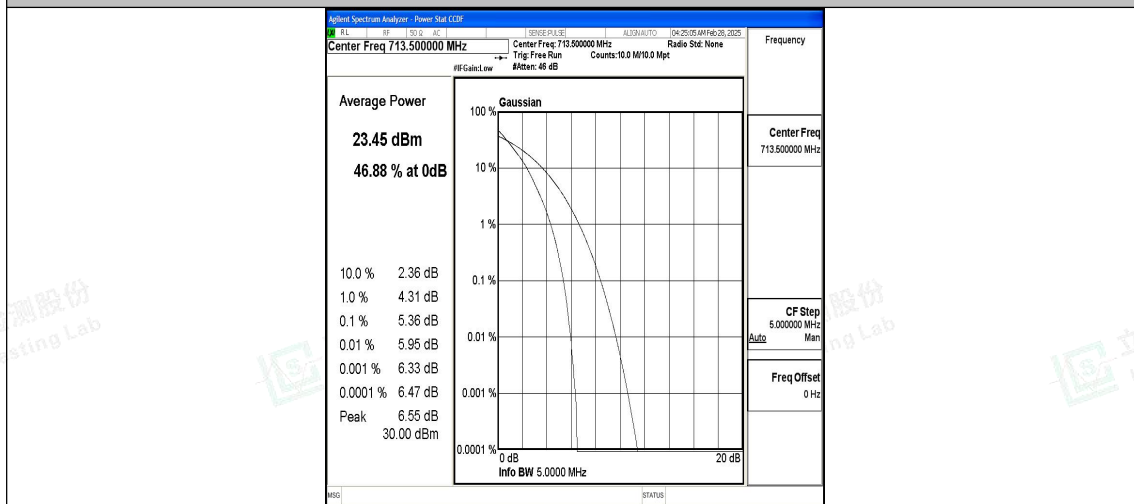
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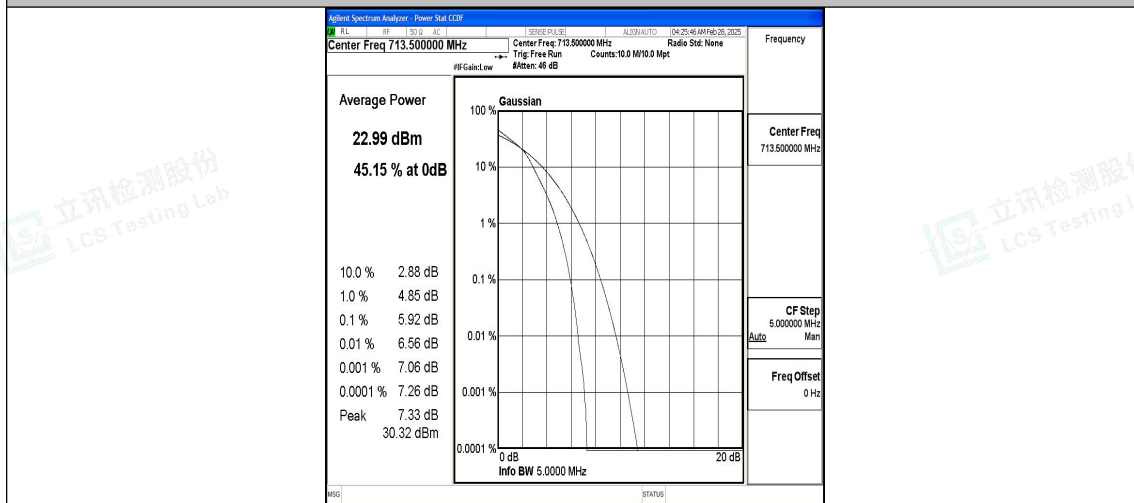
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Band12-5MHz-16QAM-23155-1RB#0-PASS



Band12-5MHz-QPSK-23155-25RB#0-PASS



Band12-5MHz-16QAM-23155-25RB#0-PASS

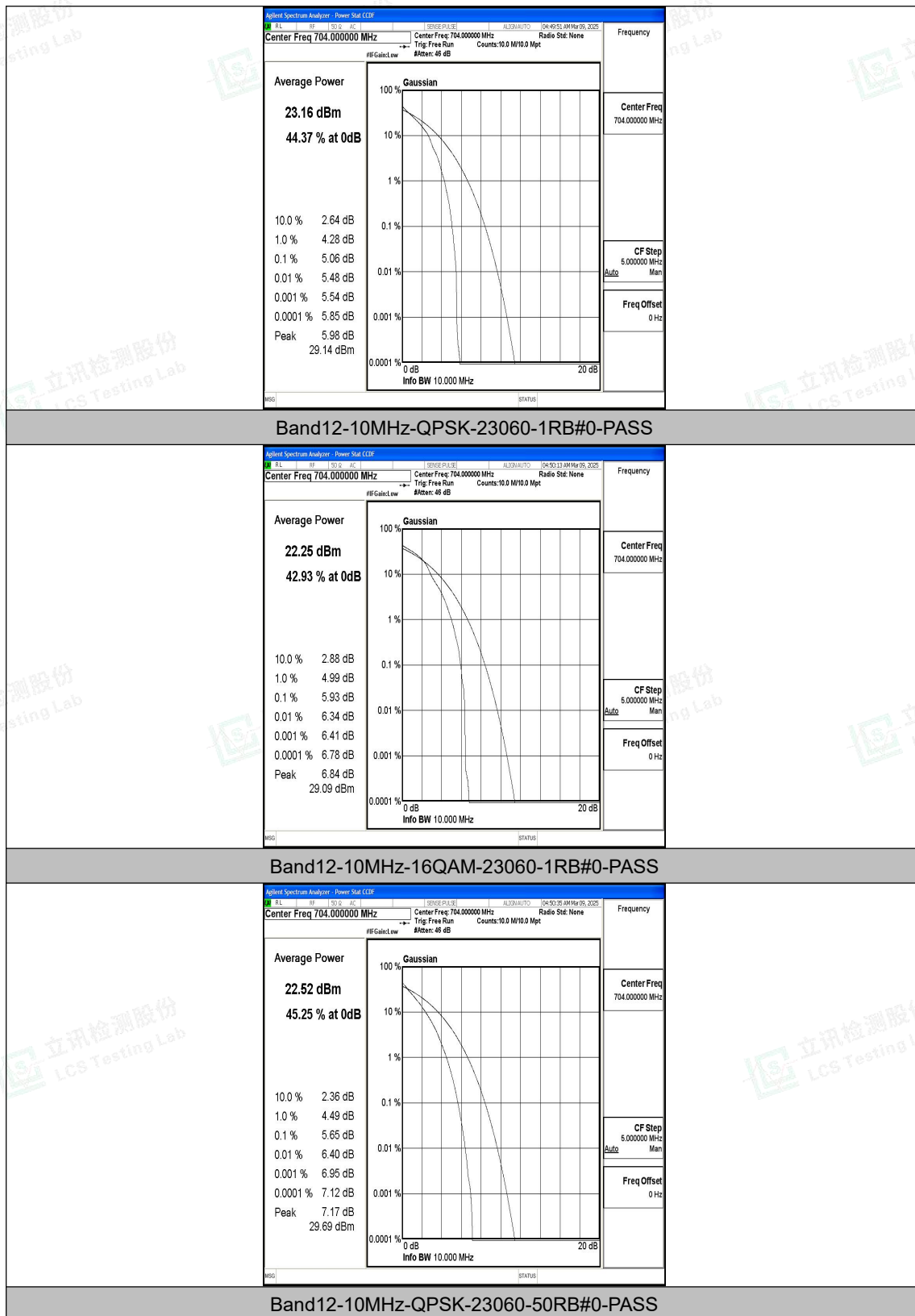


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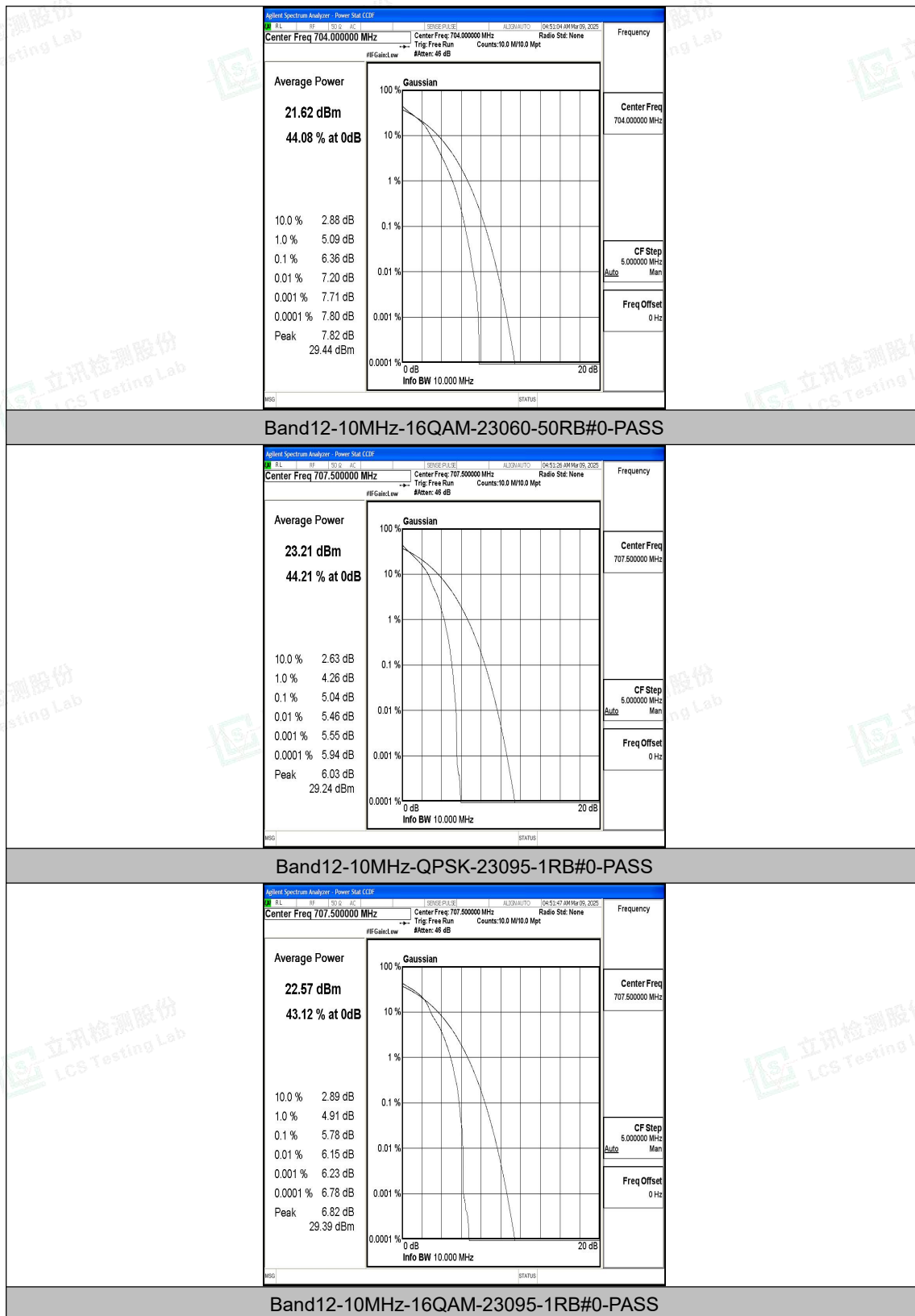


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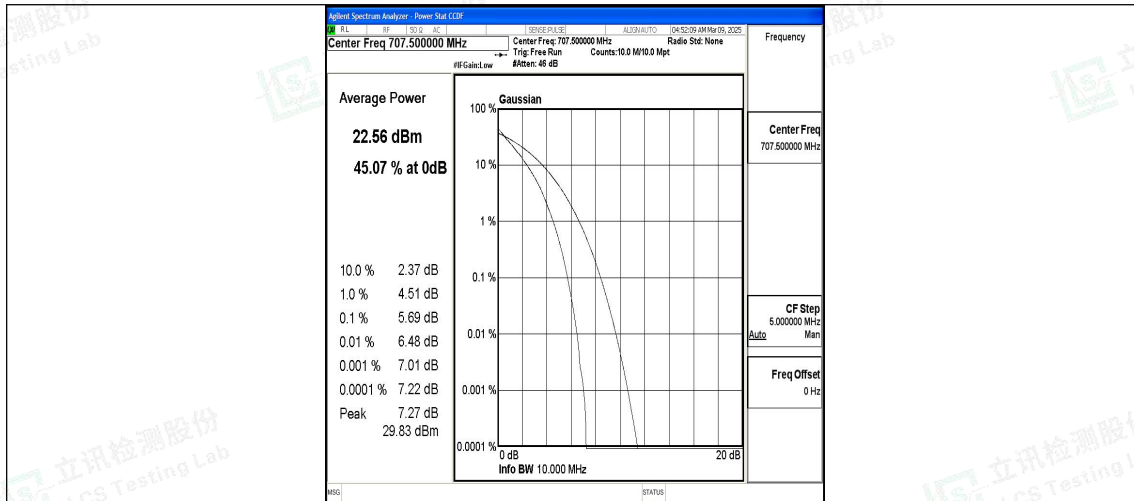


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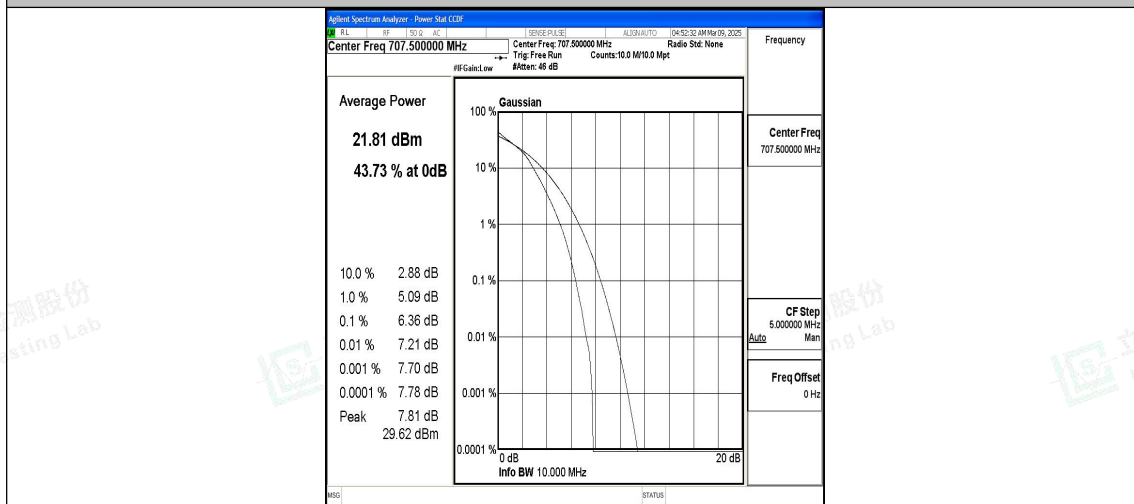
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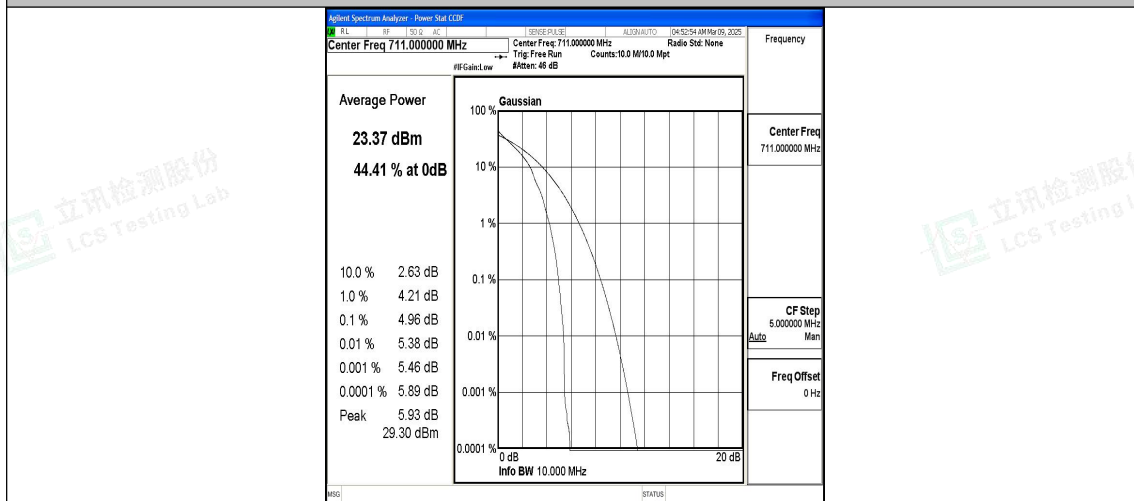
Scan code to check authenticity



Band12-10MHz-QPSK-23095-50RB#0-PASS



Band12-10MHz-16QAM-23095-50RB#0-PASS



Band12-10MHz-QPSK-23130-1RB#0-PASS

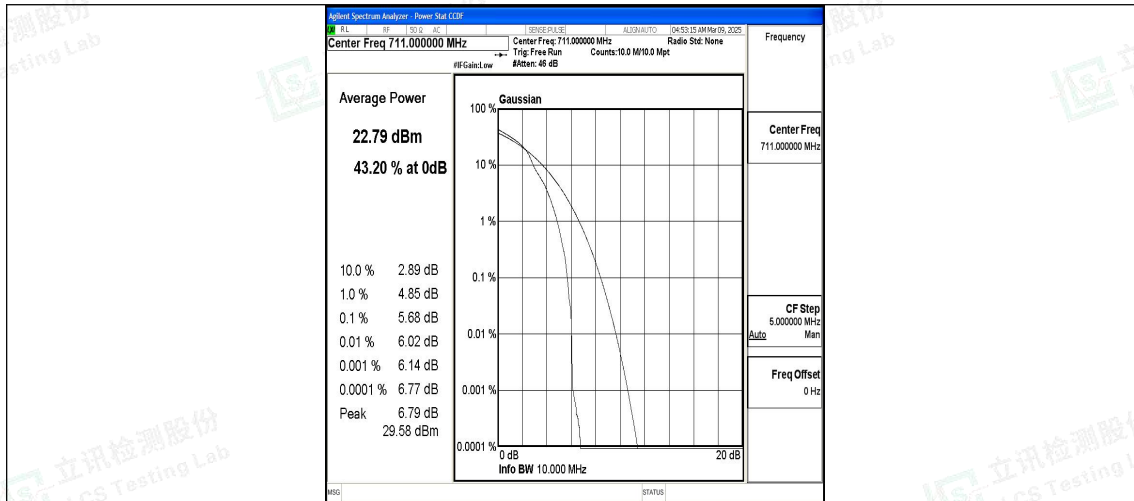


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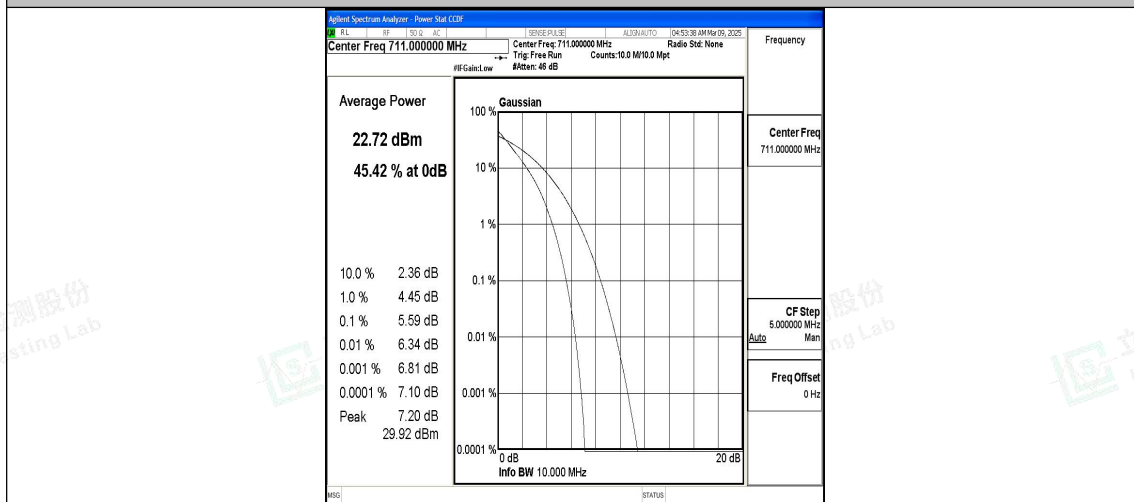
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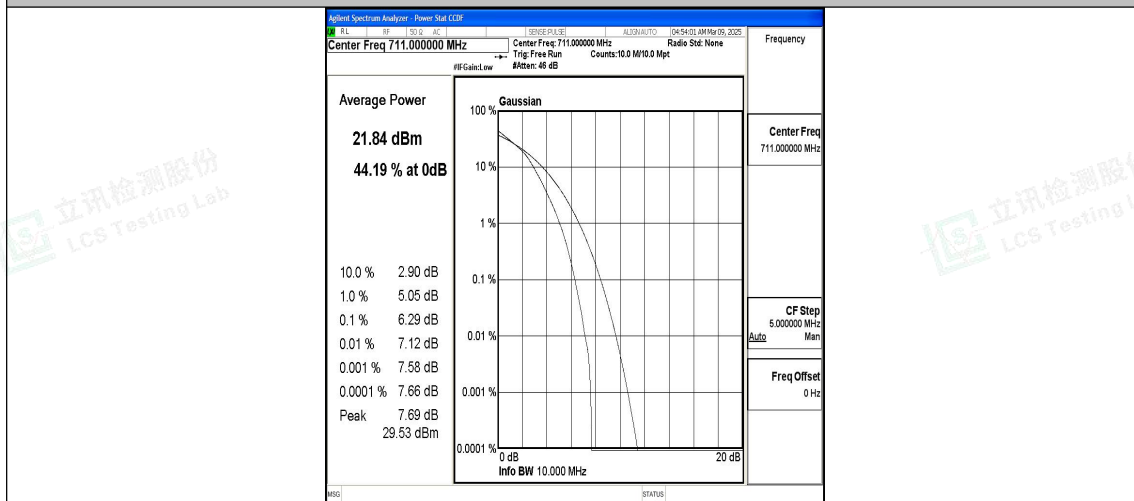
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Band12-10MHz-16QAM-23130-1RB#0-PASS



Band12-10MHz-QPSK-23130-50RB#0-PASS



Band12-10MHz-16QAM-23130-50RB#0-PASS



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H.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0921	1.243	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0911	1.241	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0949	1.245	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0919	1.238	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.1005	1.245	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0861	1.240	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7531	3.088	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7356	3.094	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7568	3.094	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7358	3.087	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7679	3.095	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9881	10.21	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9627	9.896	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9966	10.02	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9960	10.20	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0015	9.959	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9909	10.05	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7423	3.094	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5022	4.967	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4998	4.952	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5172	4.976	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5142	4.980	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4939	4.970	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4968	4.923	PASS



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Test Graphs



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