



Appendix H: Test Data for E-UTRA Band 12

Product Name: Kids Smartwatch

Test Model: Kidzi

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
Supervised by:	Ling Zhu





H.1 Conducted Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.23	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.15	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.38	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.35	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.24	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.17	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.19	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.04	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.18	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.03	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.21	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.04	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.28	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.24	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.02	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.09	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.20	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.13	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.97	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.05	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.07	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.95	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.09	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.98	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.09	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.98	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.12	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.99	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.74	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.03	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.95	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.92	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.68	PASS



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Band12	1.4MHz	QPSK	23173	3RB#0	22.93	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.75	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.93	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.75	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.93	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.71	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.02	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.94	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.17	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.27	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.16	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.29	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.15	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.27	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.19	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.21	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.22	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.22	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.21	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.20	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.20	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.19	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.09	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.20	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.03	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.14	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.97	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.07	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.10	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.07	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.04	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.04	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.04	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.05	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.02	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.97	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.97	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.91	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.87	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.80	PASS



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Band12	3MHz	QPSK	23165	1RB#14	22.92	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.79	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.95	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.97	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.97	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.95	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.94	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.94	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.88	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.82	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.17	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.12	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.23	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.19	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.11	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.10	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.23	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.20	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.26	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.17	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.18	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.15	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.18	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.19	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.08	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.28	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.13	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.26	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.97	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.11	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.07	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.08	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.05	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.10	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.03	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.04	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.06	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.06	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.91	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.94	PASS



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Band12	5MHz	QPSK	23155	1RB#12	23.04	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.04	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.93	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.84	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.96	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.99	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.98	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.95	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.93	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.89	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.97	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.00	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.14	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.25	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.21	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.47	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.96	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.11	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.31	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.28	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.28	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.29	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.20	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.23	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.22	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.21	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.15	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.32	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.15	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.23	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.94	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.03	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.20	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.20	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.20	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.21	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.01	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.05	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.07	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.10	PASS



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Band12	10MHz	QPSK	23130	1RB#0	23.06	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.99	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.15	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.09	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.92	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.85	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.04	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.11	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.07	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.14	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.90	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.98	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.02	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.98	PASS



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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	6RB#0	4.16	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.04	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.71	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.38	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.24	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.18	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.40	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.13	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.70	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.44	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.45	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.26	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.57	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.39	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.75	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.52	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.66	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.44	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.71	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.54	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.82	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.64	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.91	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.65	13	PASS



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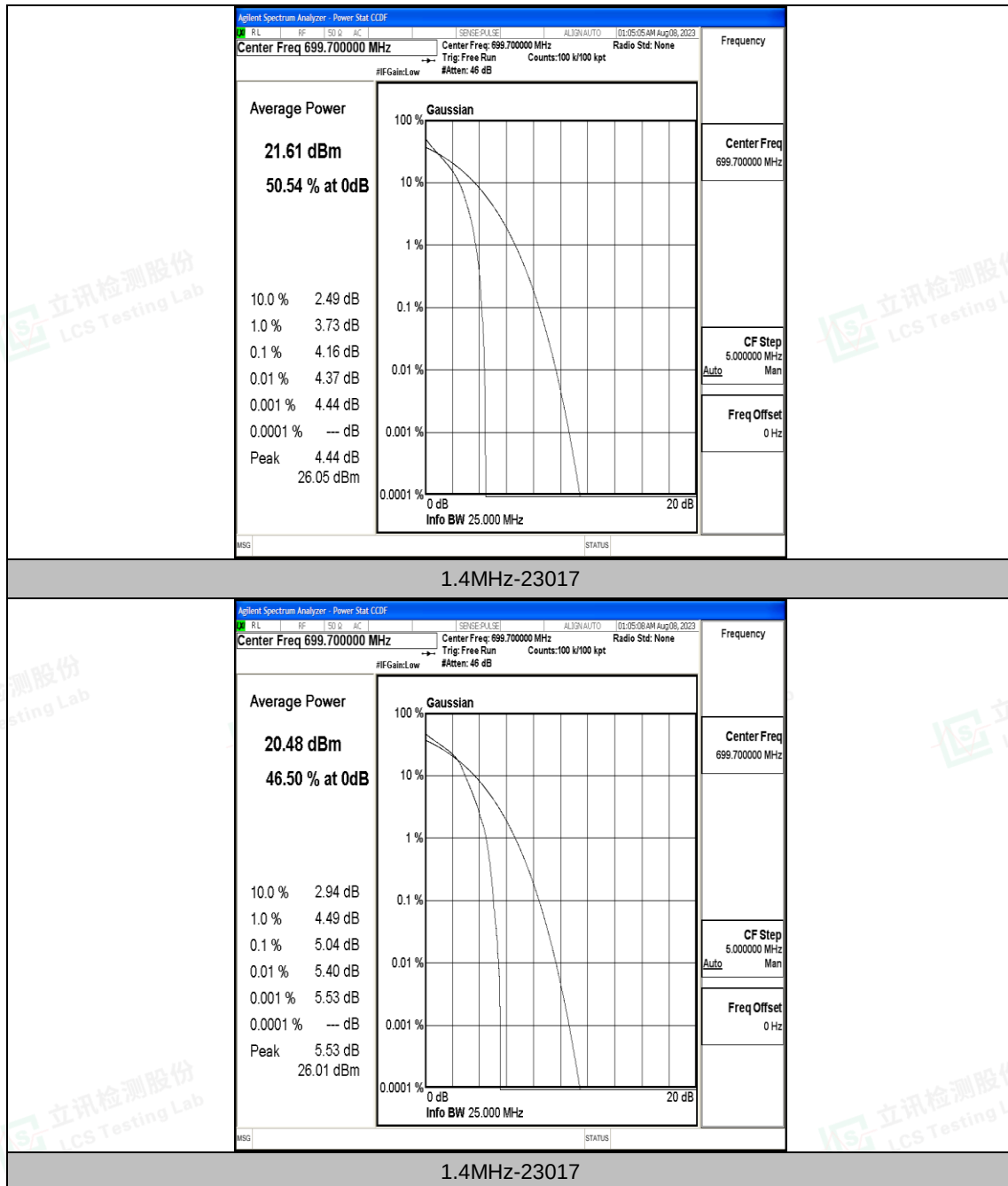
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Test Graphs

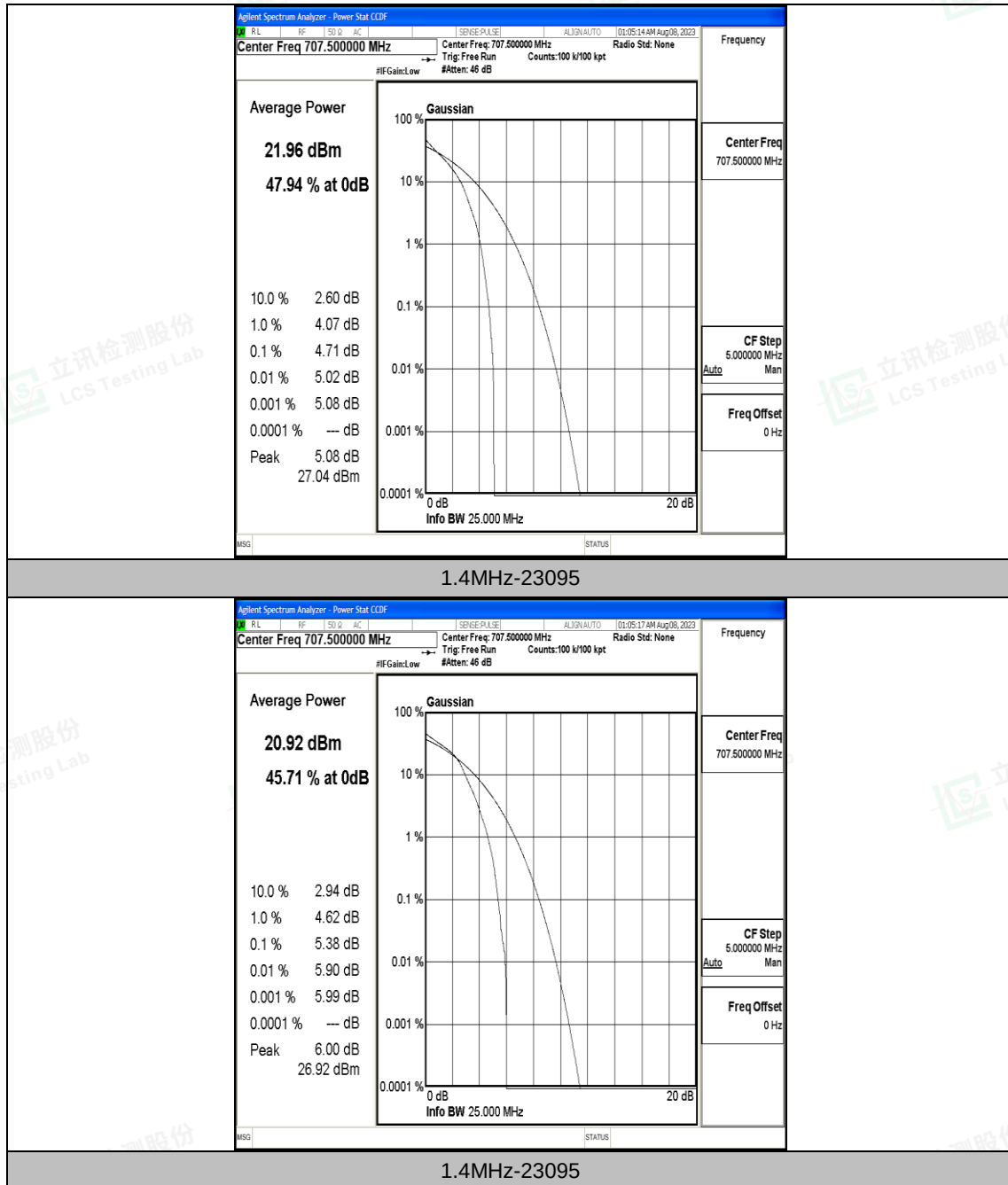


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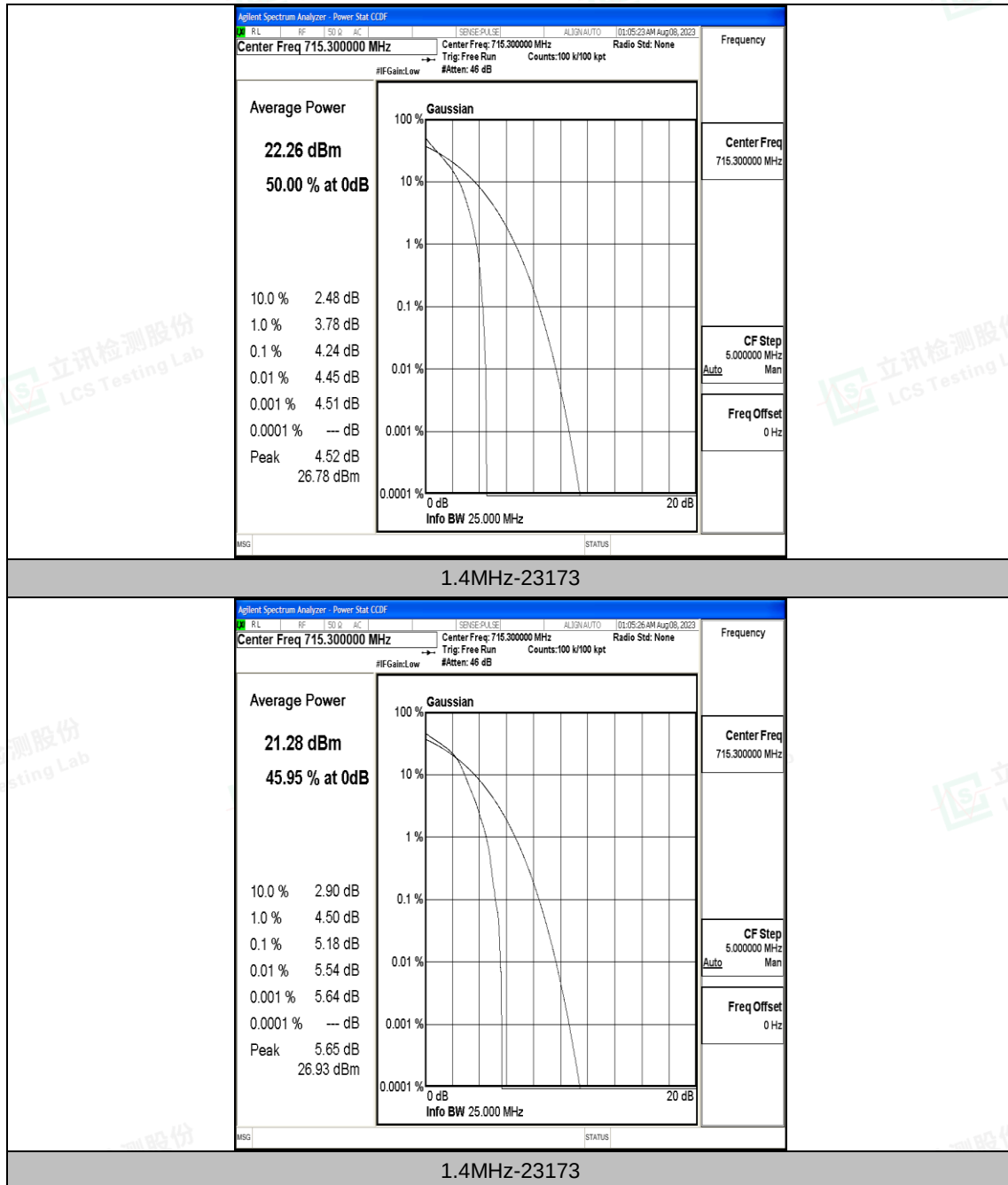


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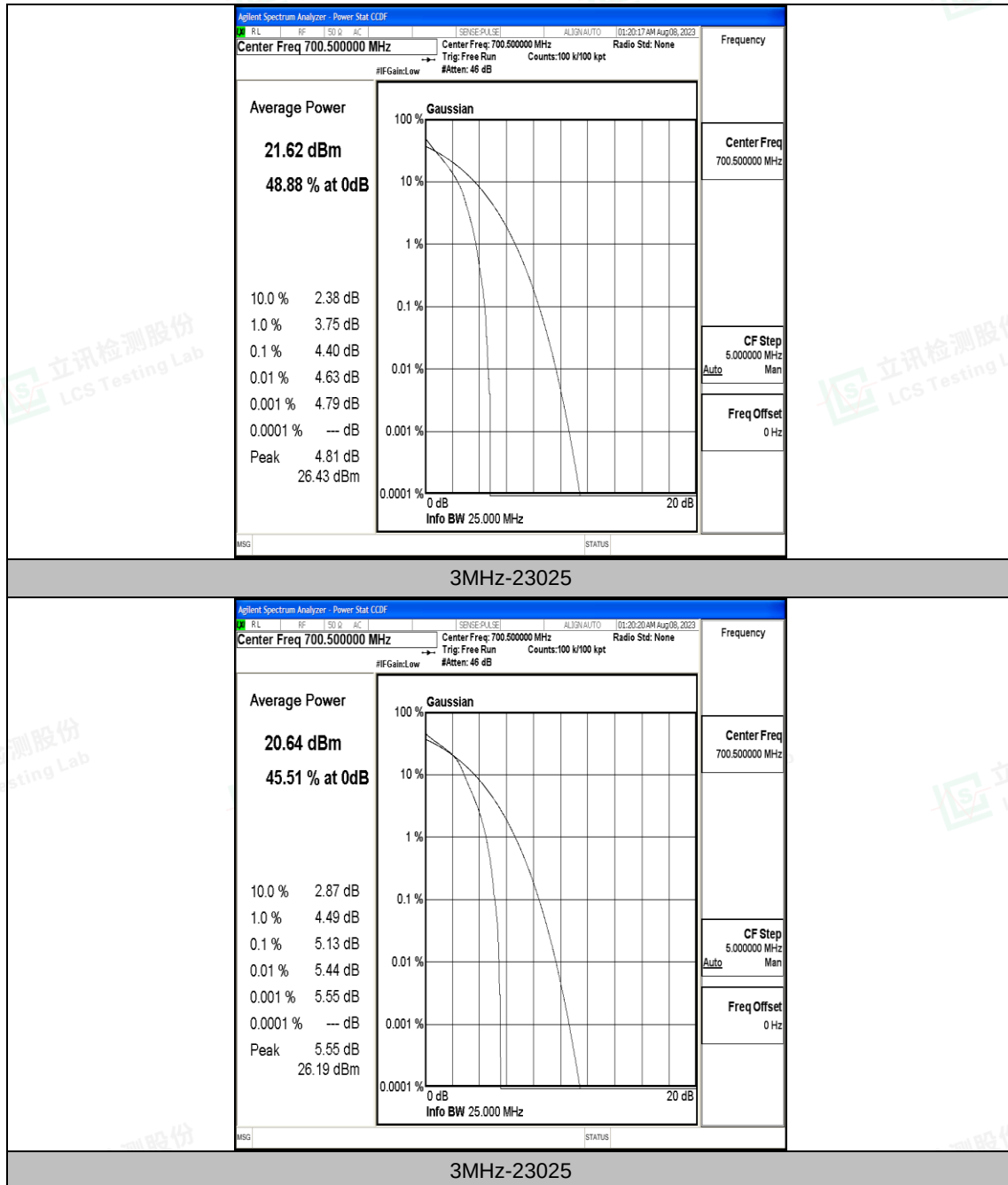


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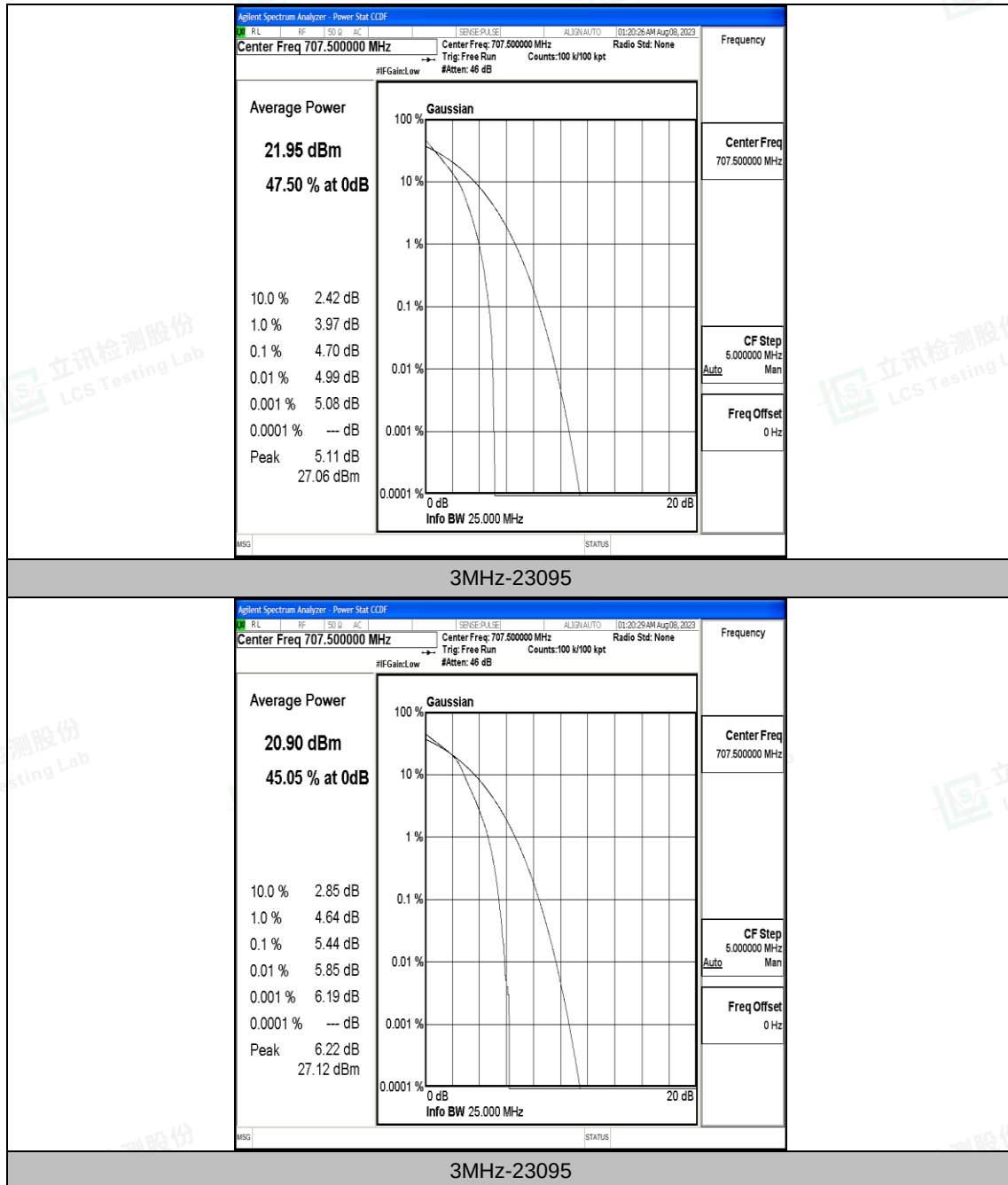


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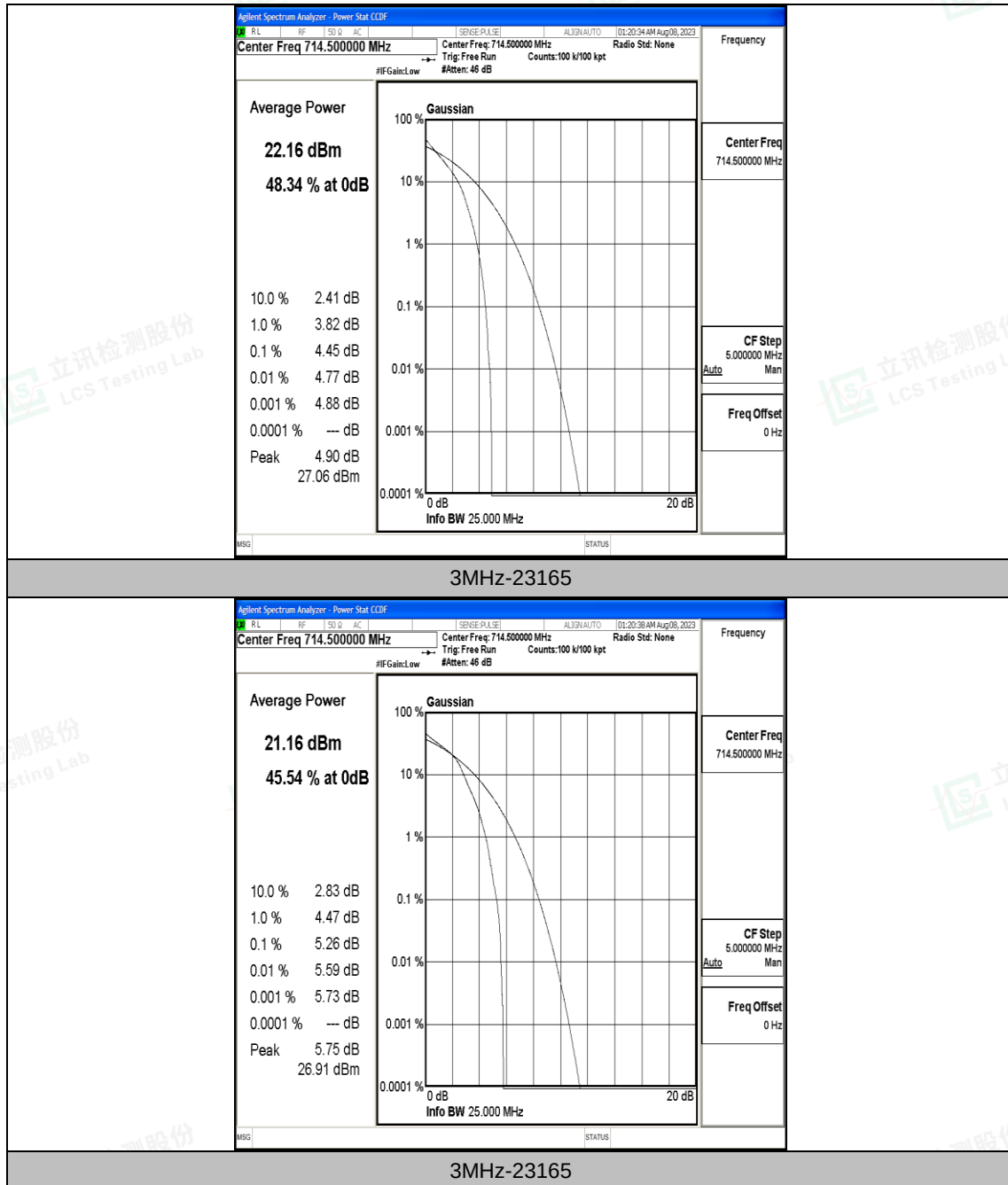


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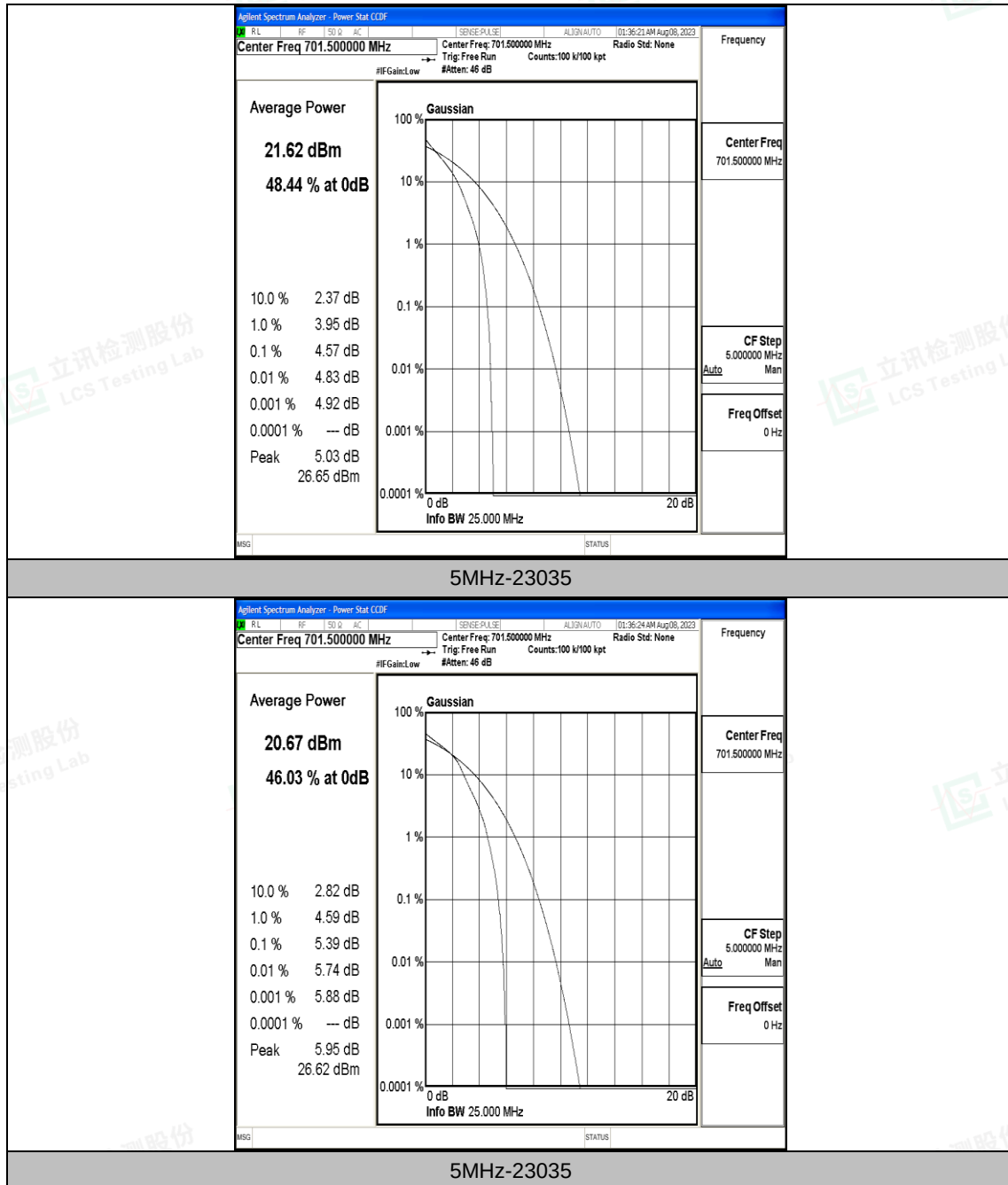


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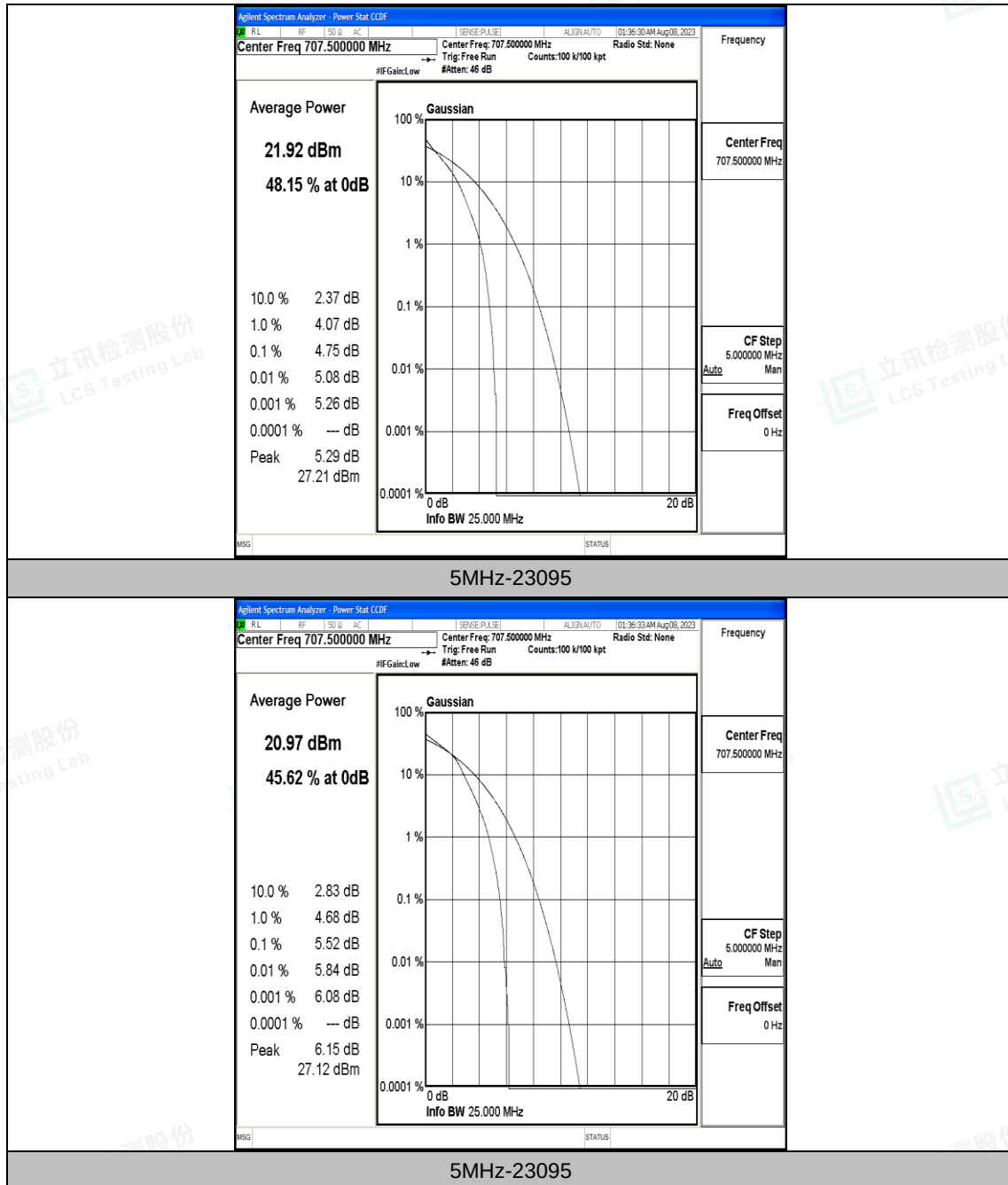


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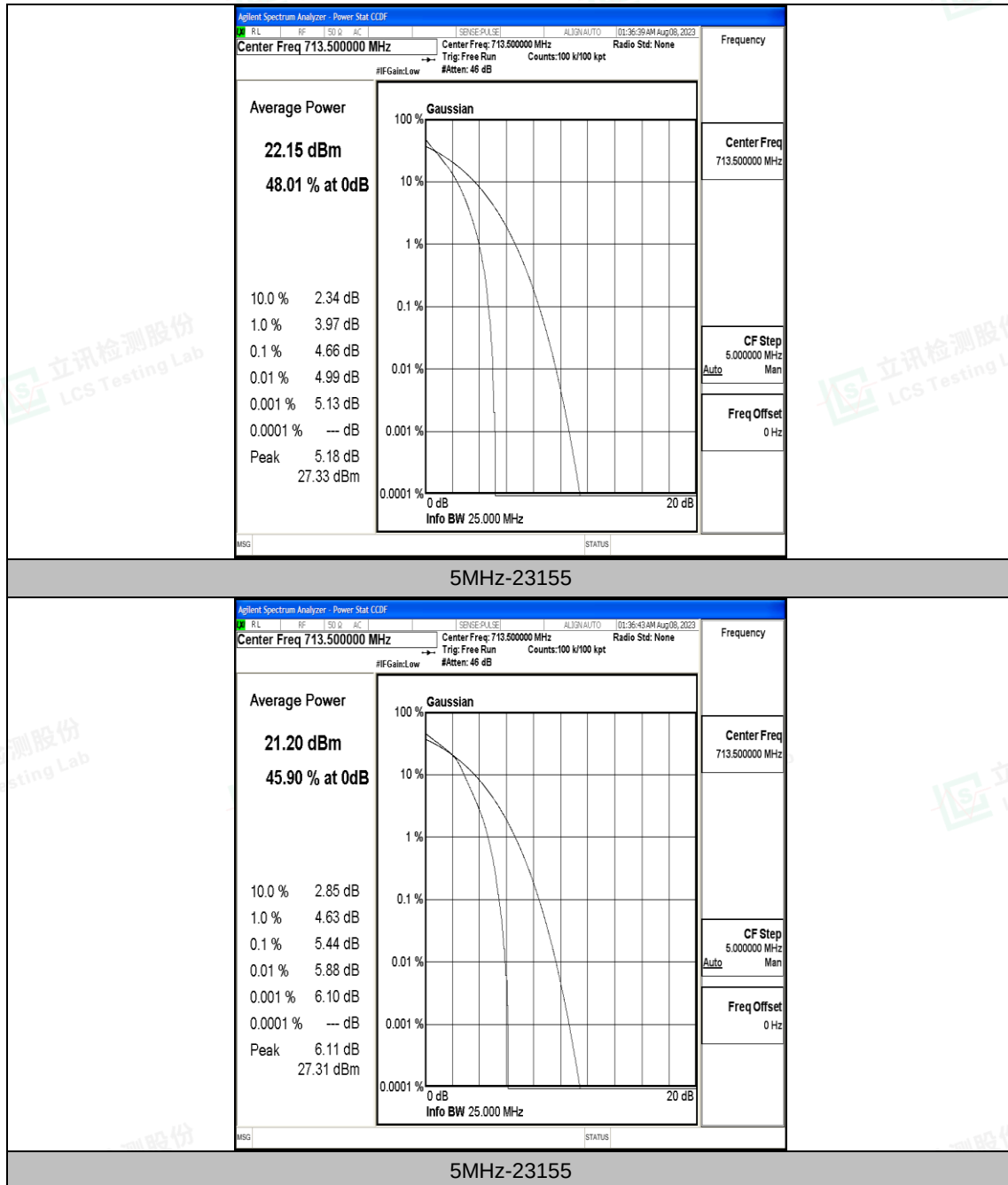


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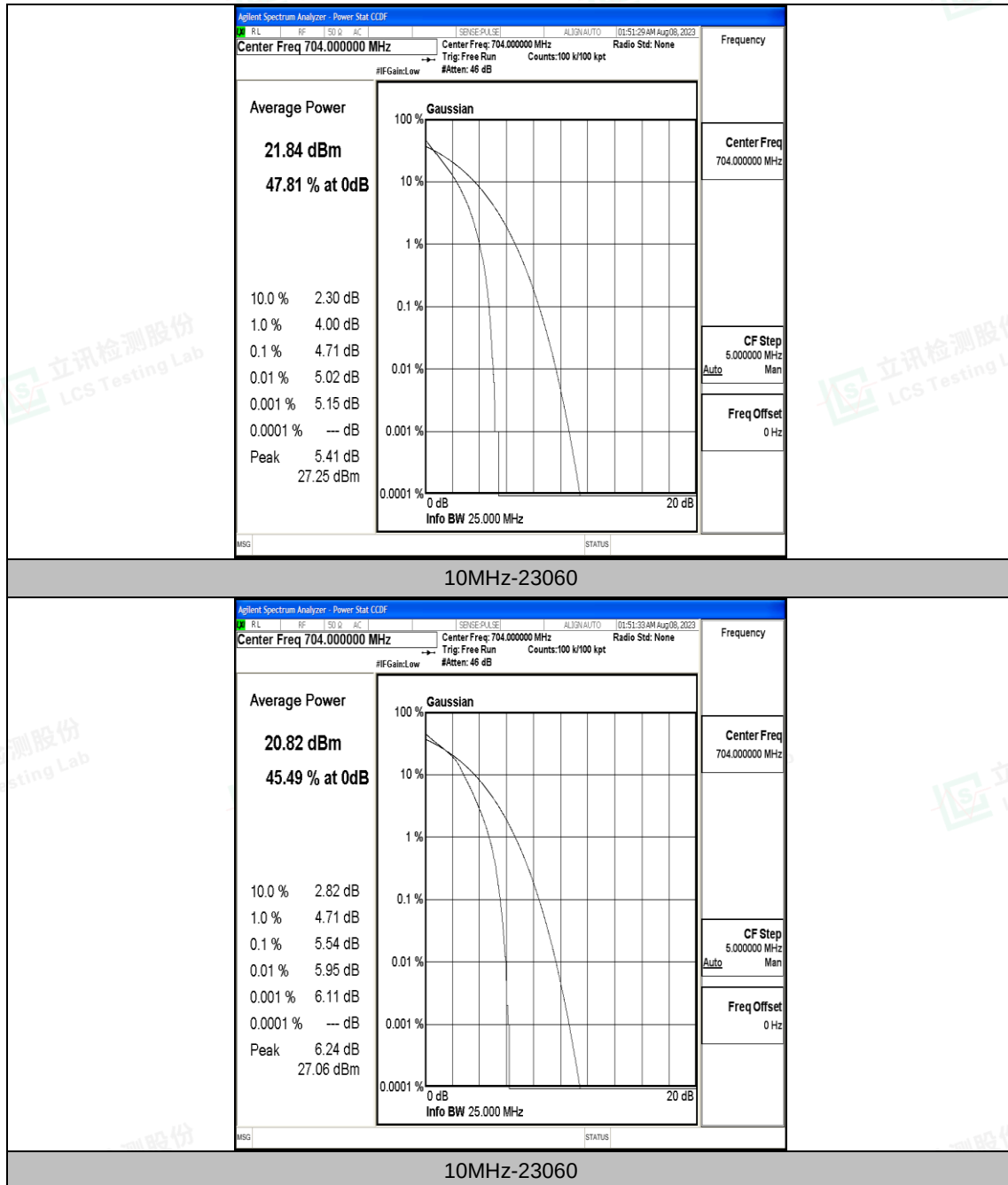


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Scan code to check authenticity

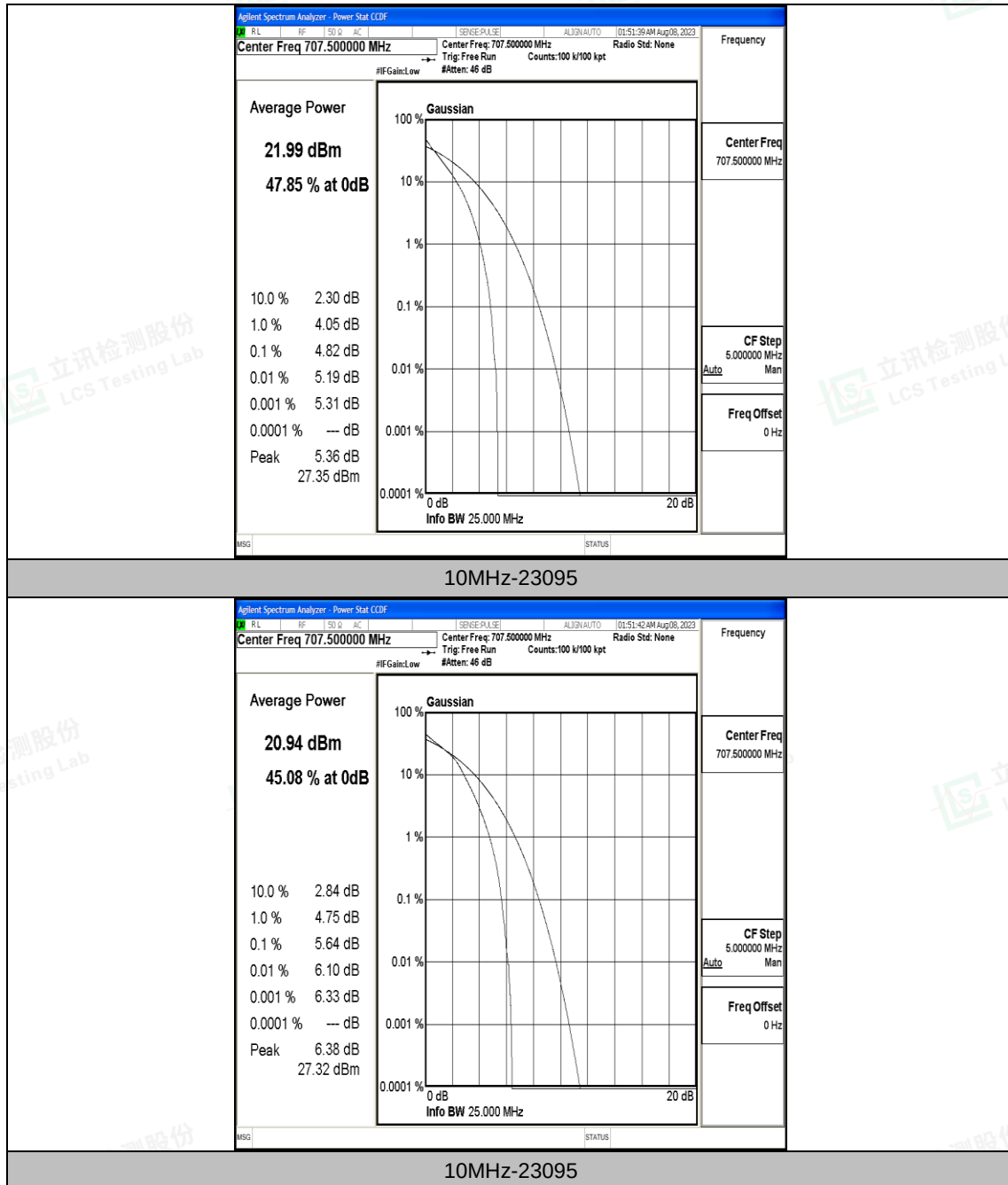


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Scan code to check authenticity

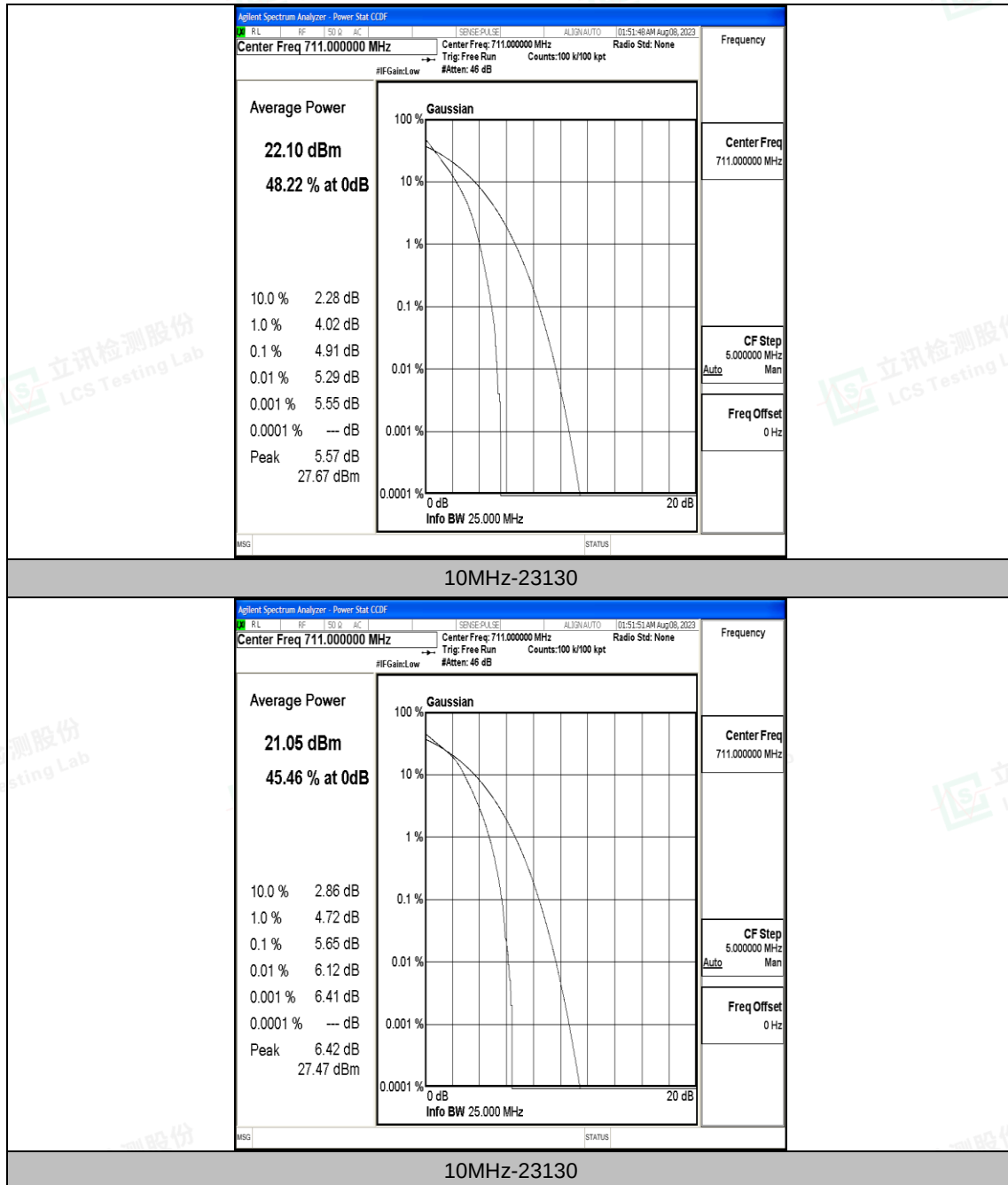


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H.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0966	1.301	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0949	1.289	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0886	1.278	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0954	1.291	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0932	1.295	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0992	1.393	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6882	2.876	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6857	2.923	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6877	2.889	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6848	2.891	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6871	2.960	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6818	2.895	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5244	5.200	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5203	5.123	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5296	5.487	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5355	6.022	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5313	5.202	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5247	5.151	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0249	10.13	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0047	10.06	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0117	10.25	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9796	10.00	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0161	10.31	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9840	10.01	PASS



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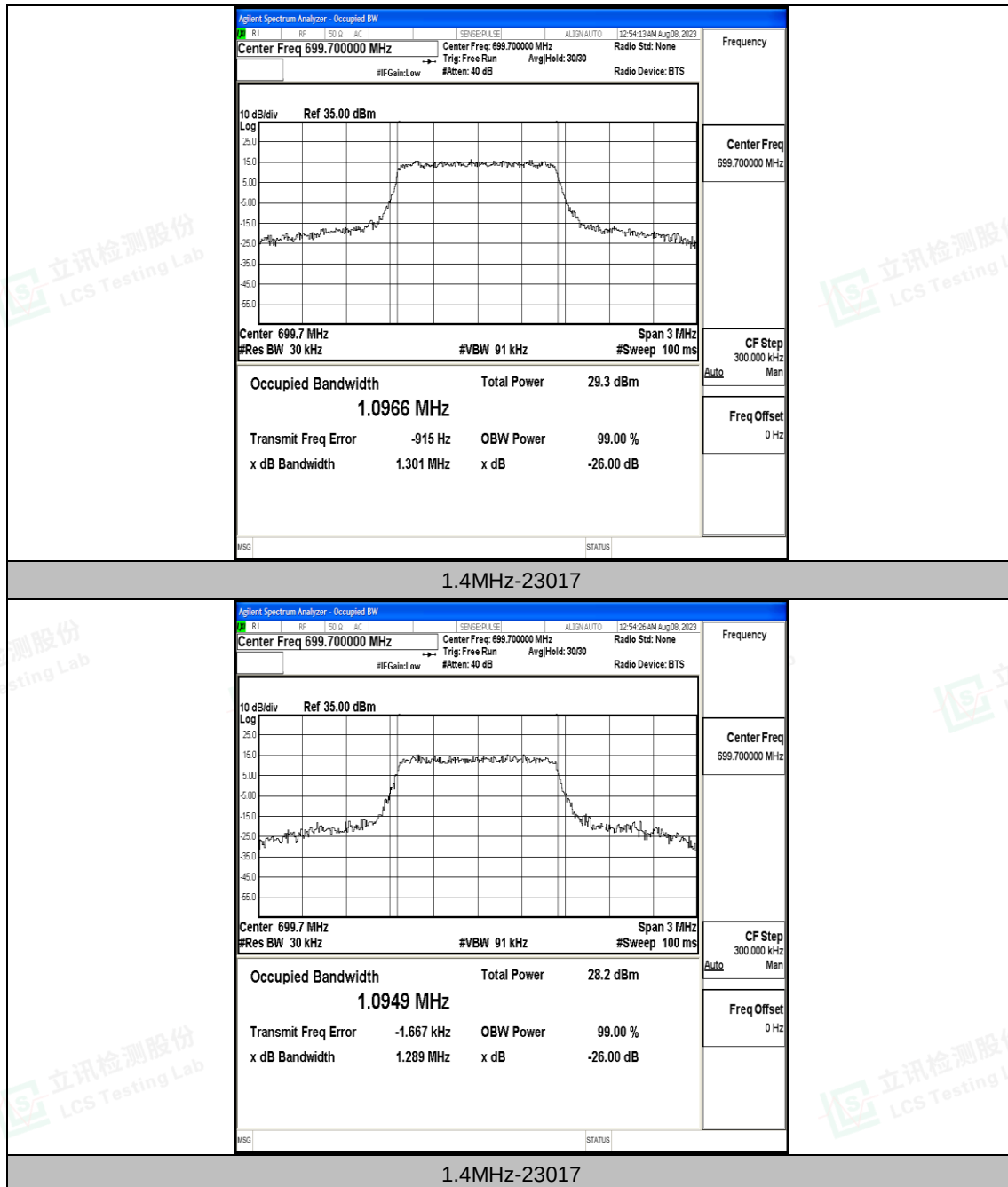
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Test Graphs



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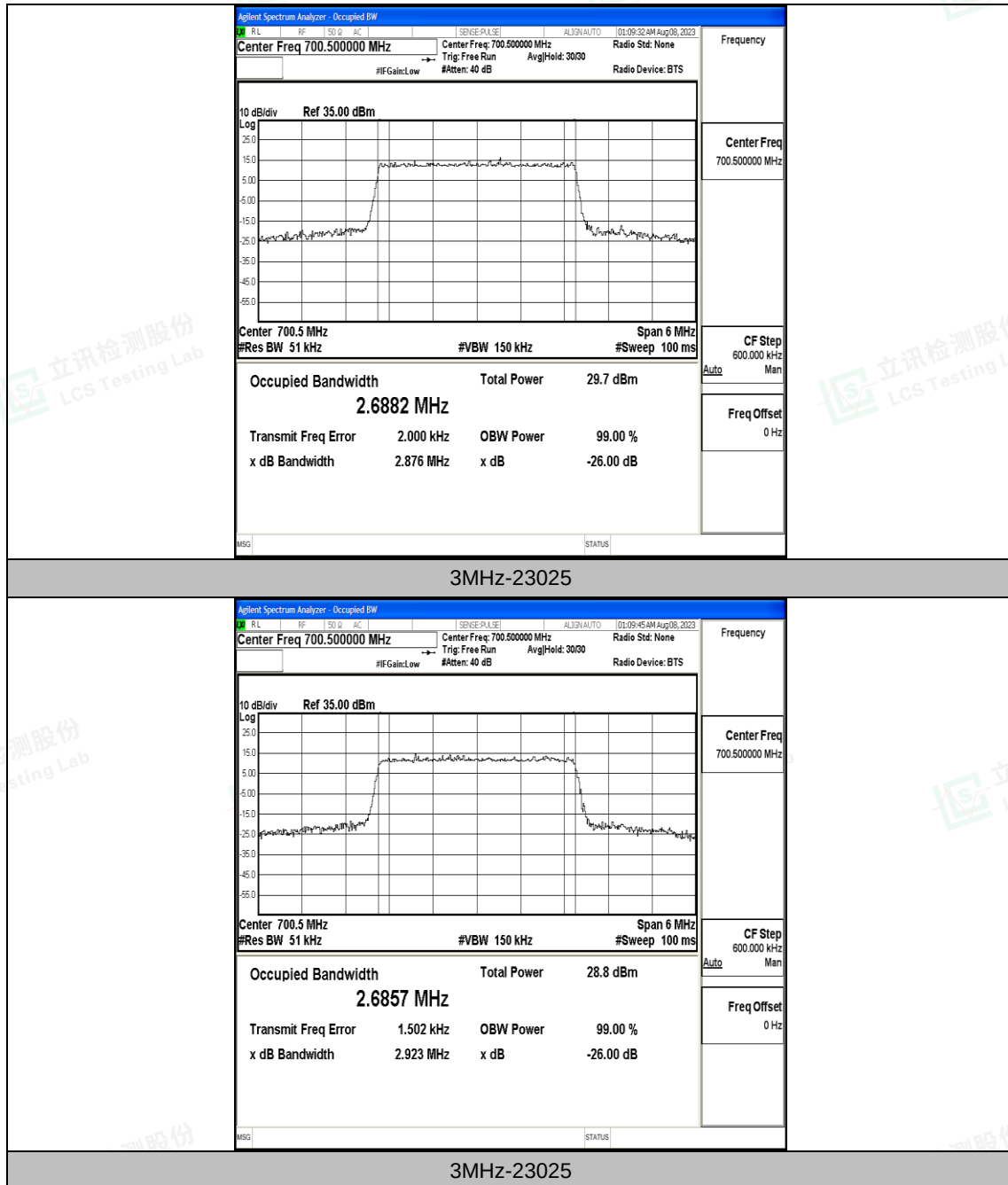


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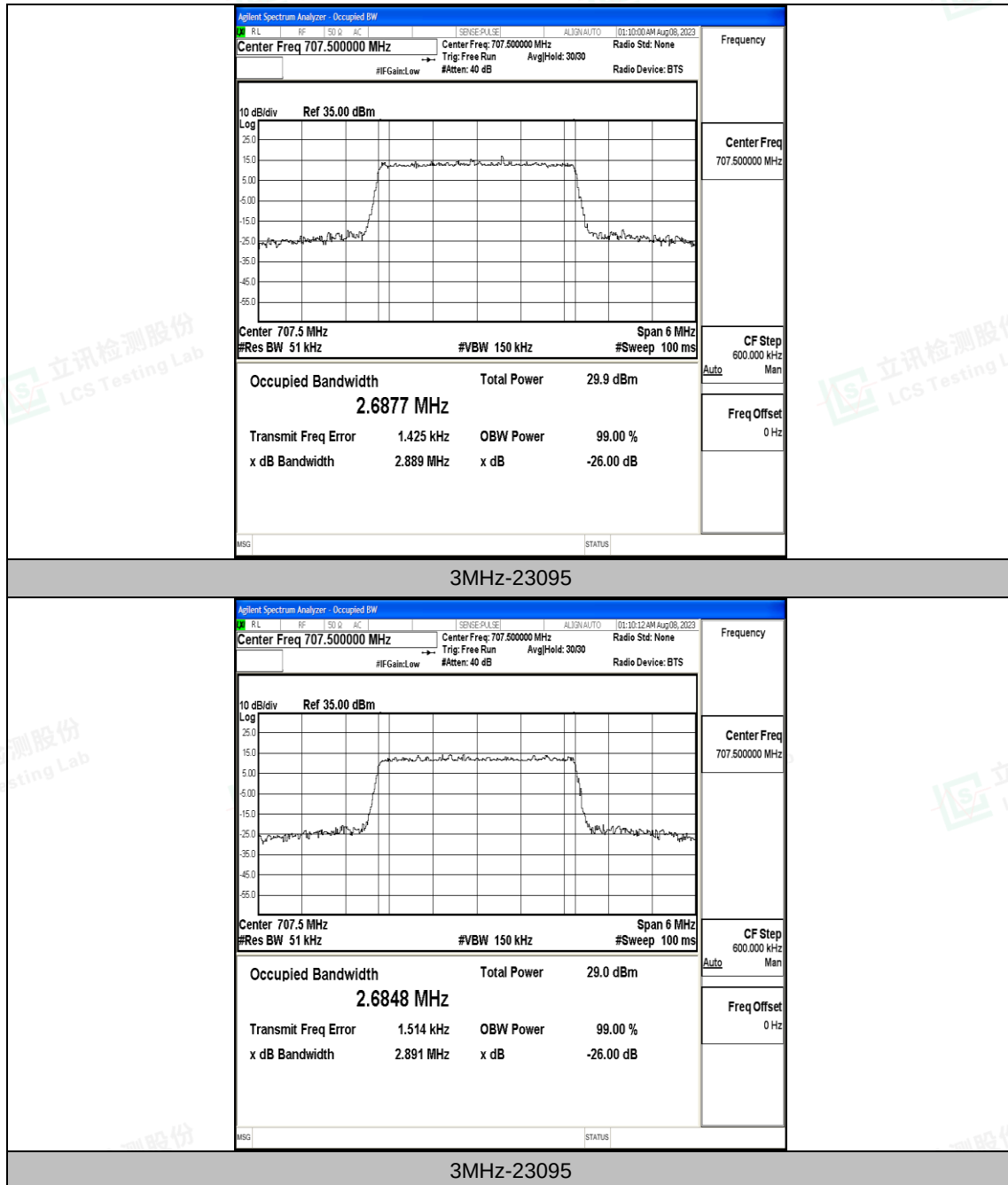


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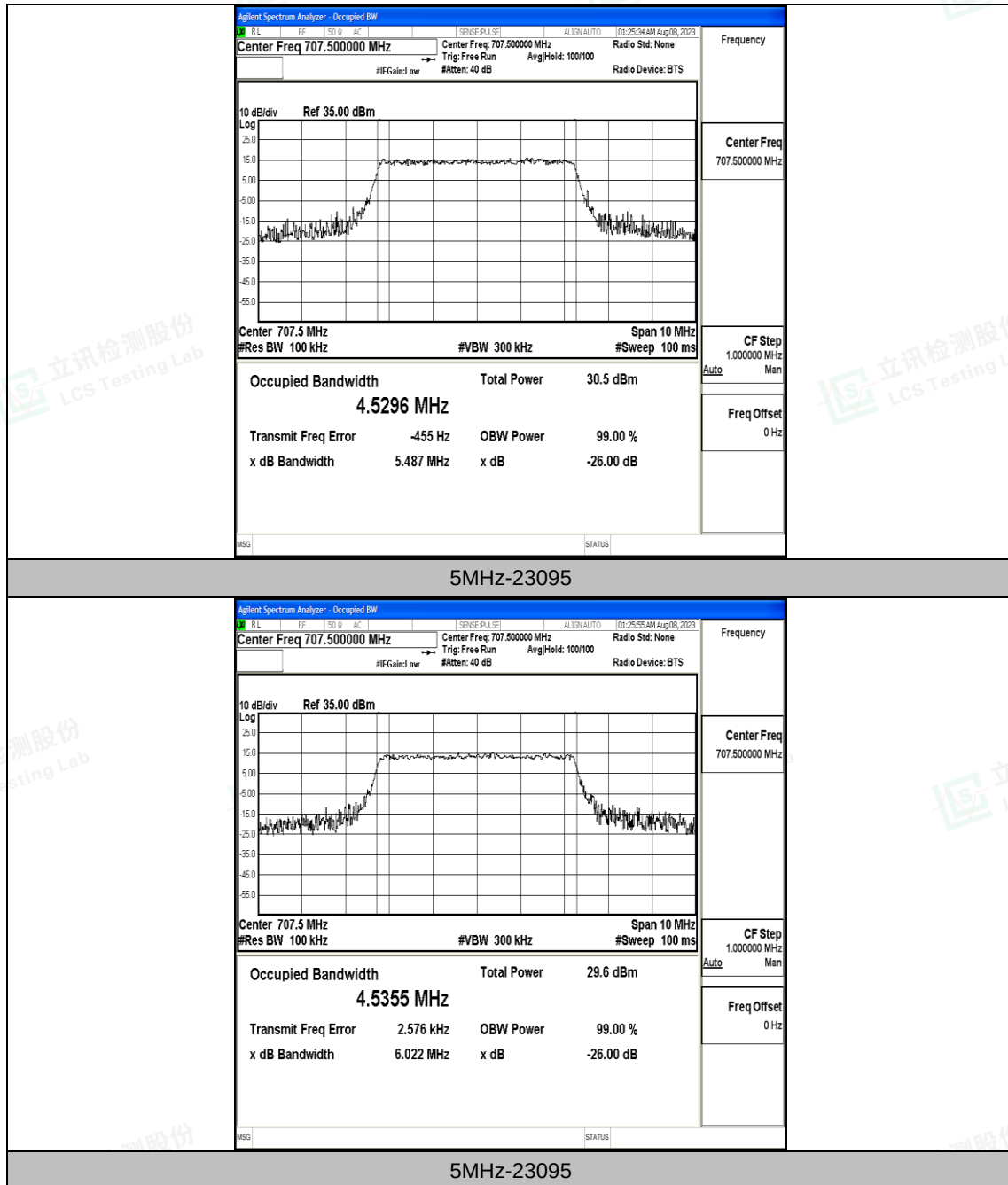


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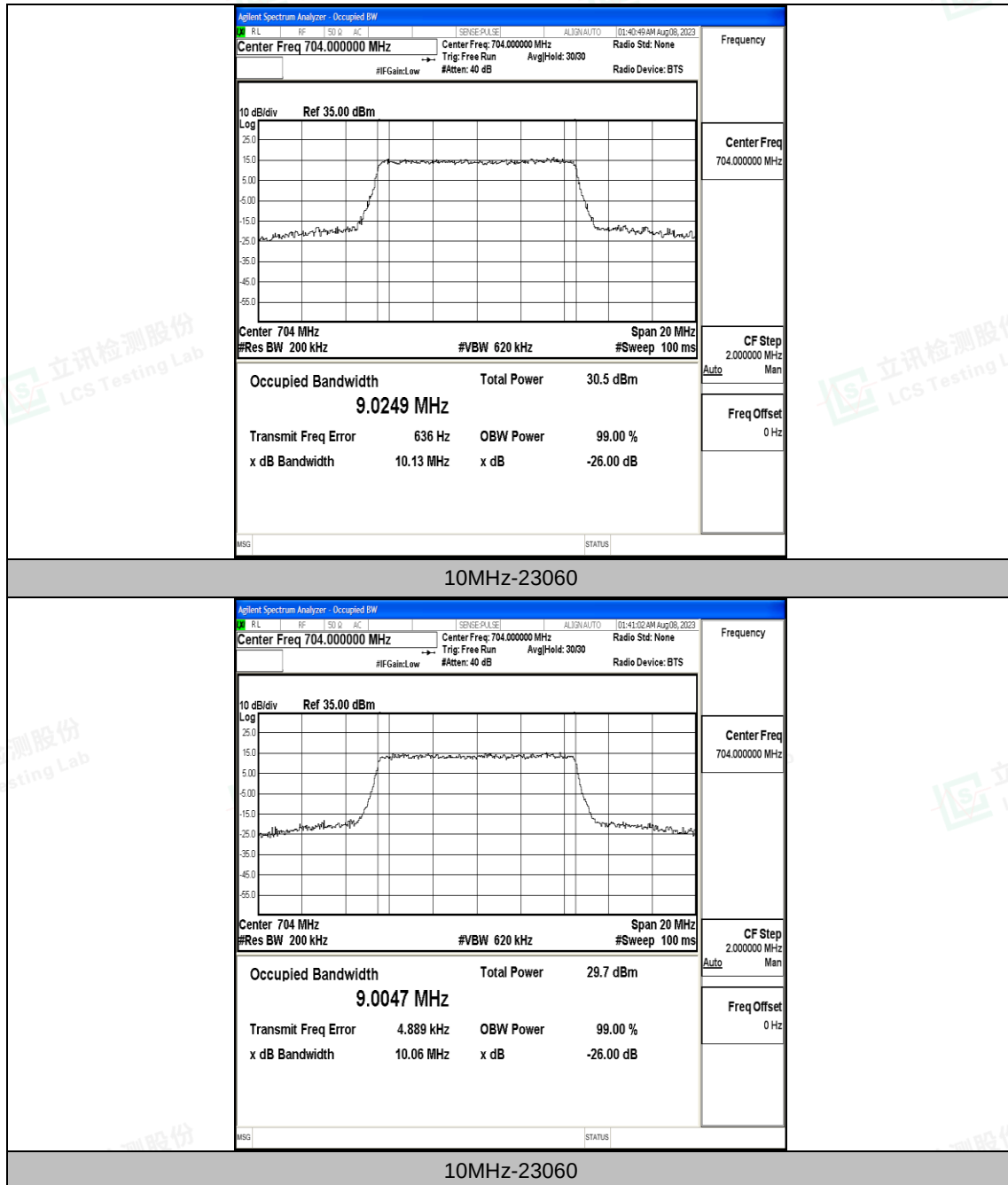


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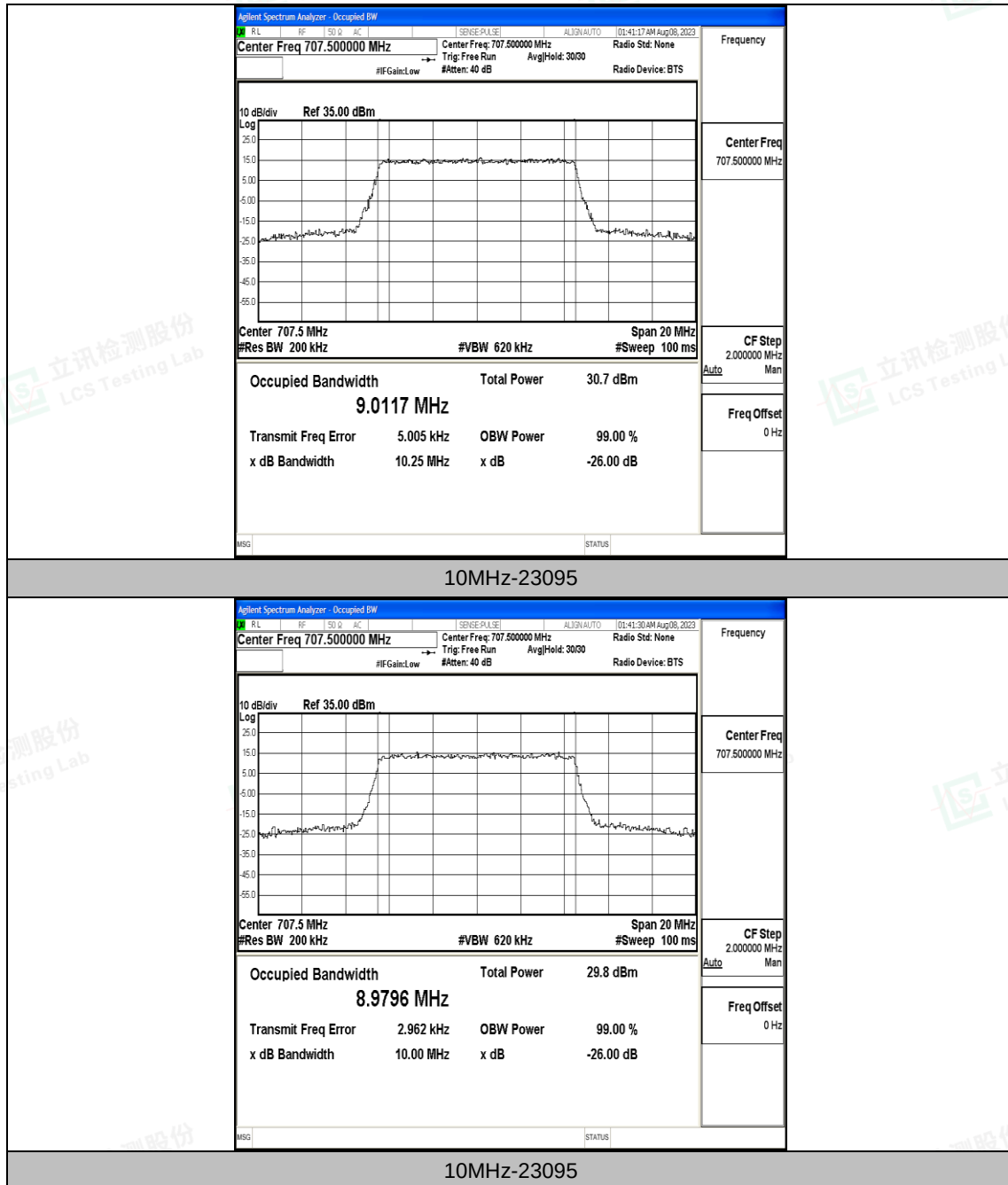


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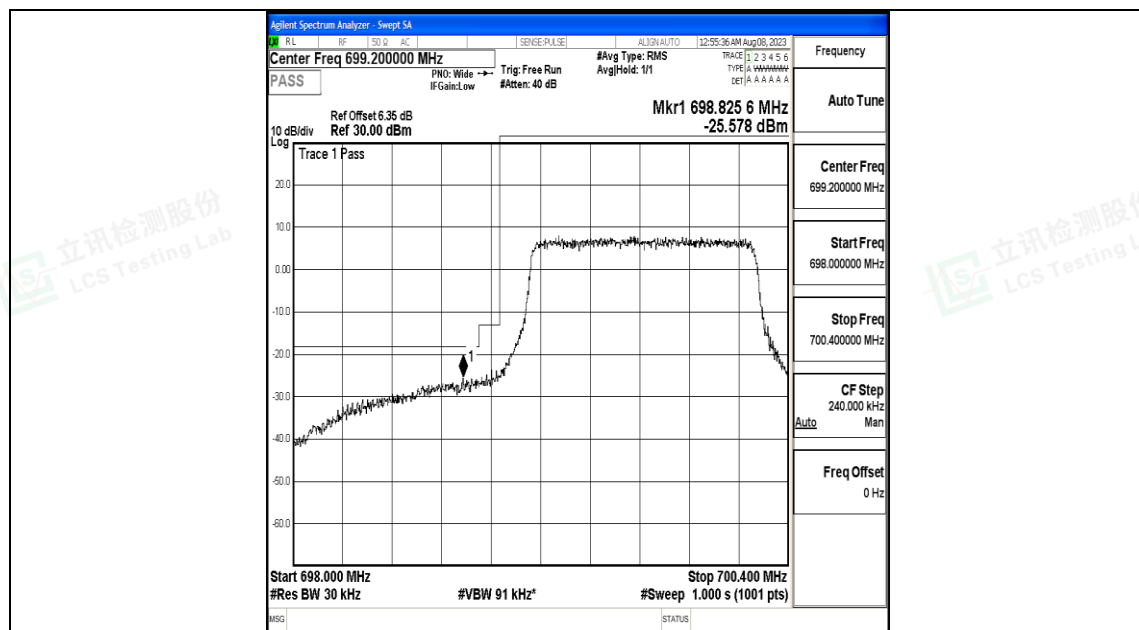


H.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.83	-25.58	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.83	-28.23	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.12	-24.99	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.17	-26.90	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.76	-30.48	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.84	-32.50	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.19	-30.61	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.19	-32.46	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.89	-30.42	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.88	-31.69	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.11	-30.33	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.11	-31.78	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.80	-35.38	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.81	-36.99	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.12	-35.96	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.40	-37.95	PASS

Test Graphs

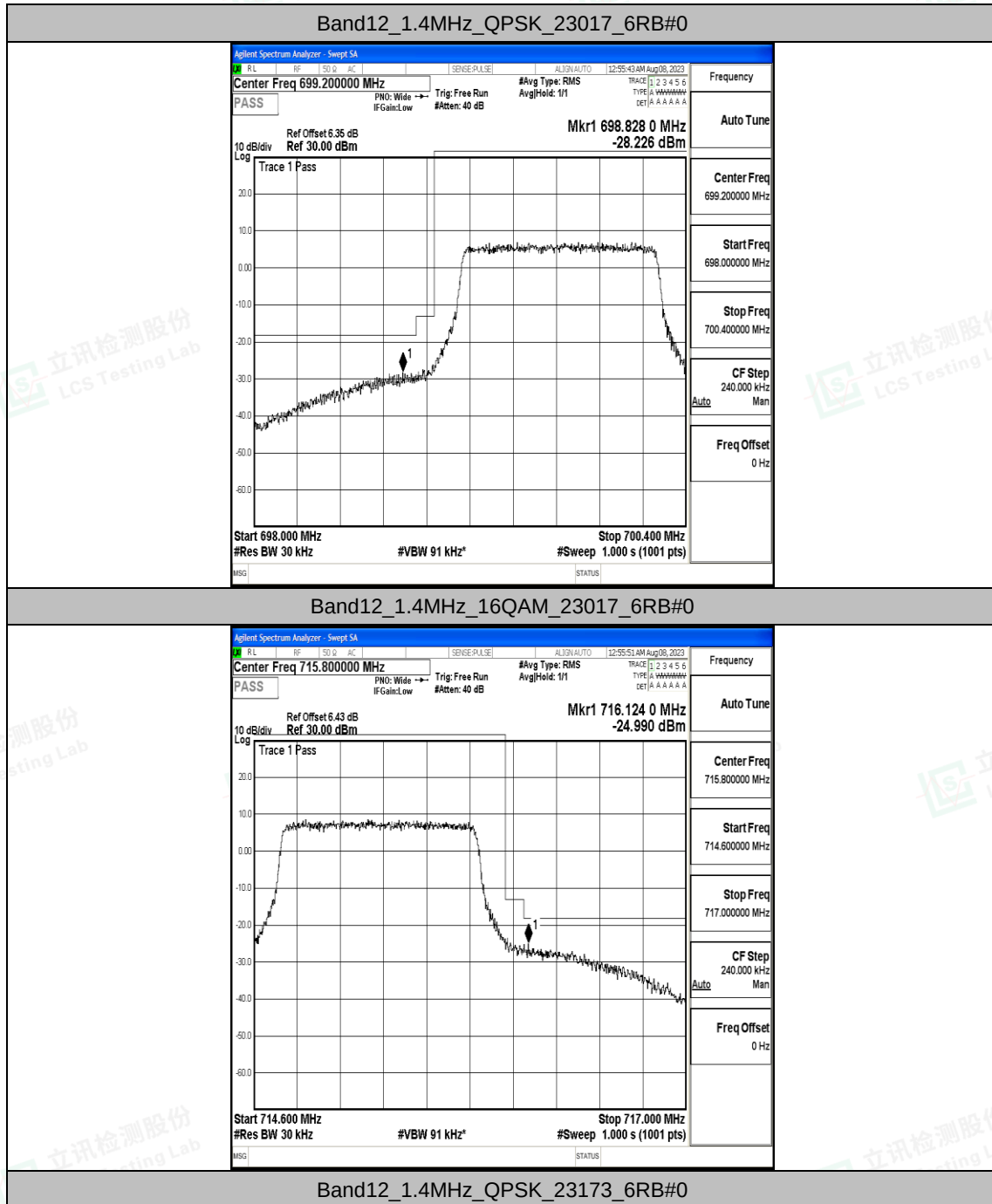


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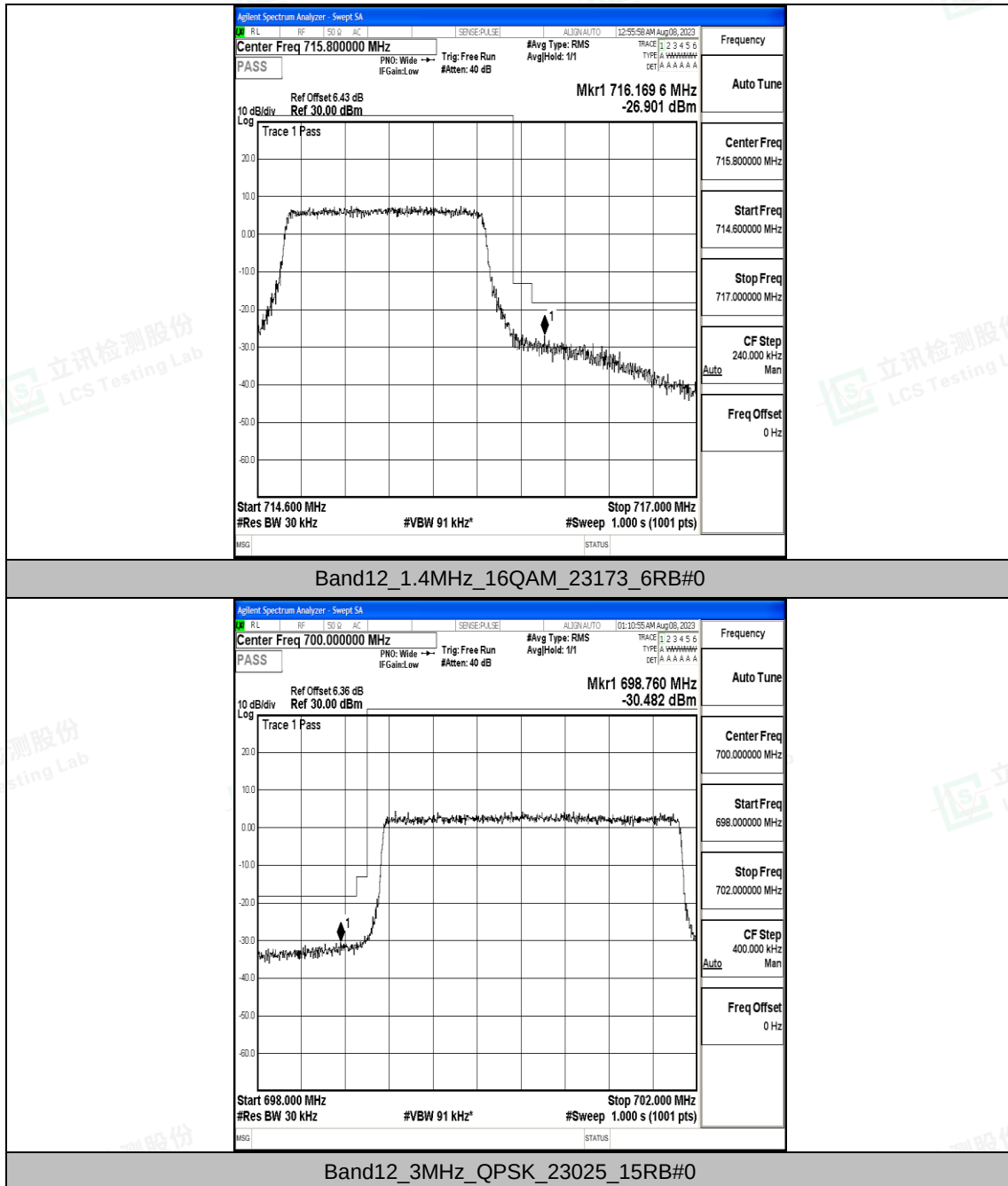


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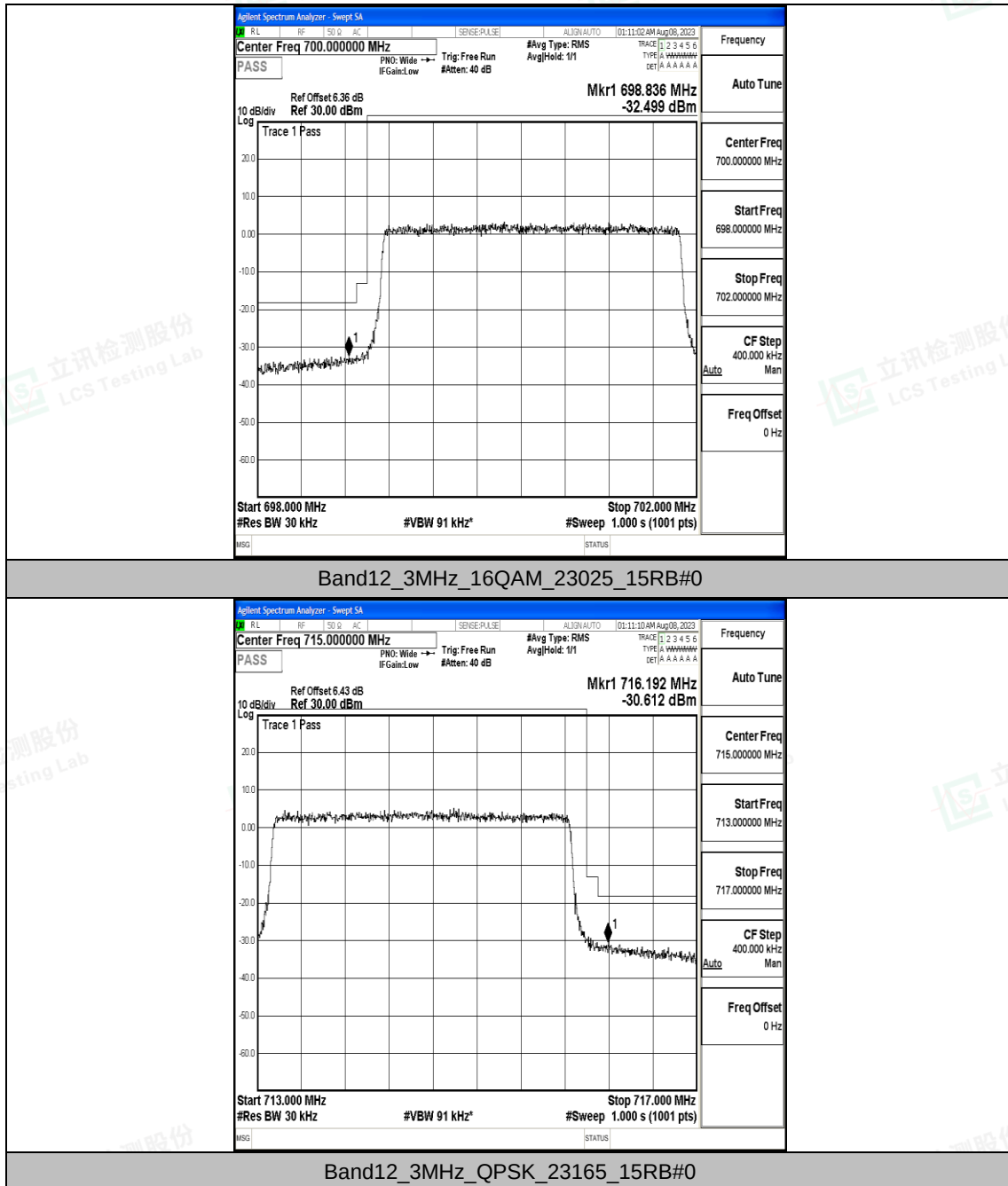


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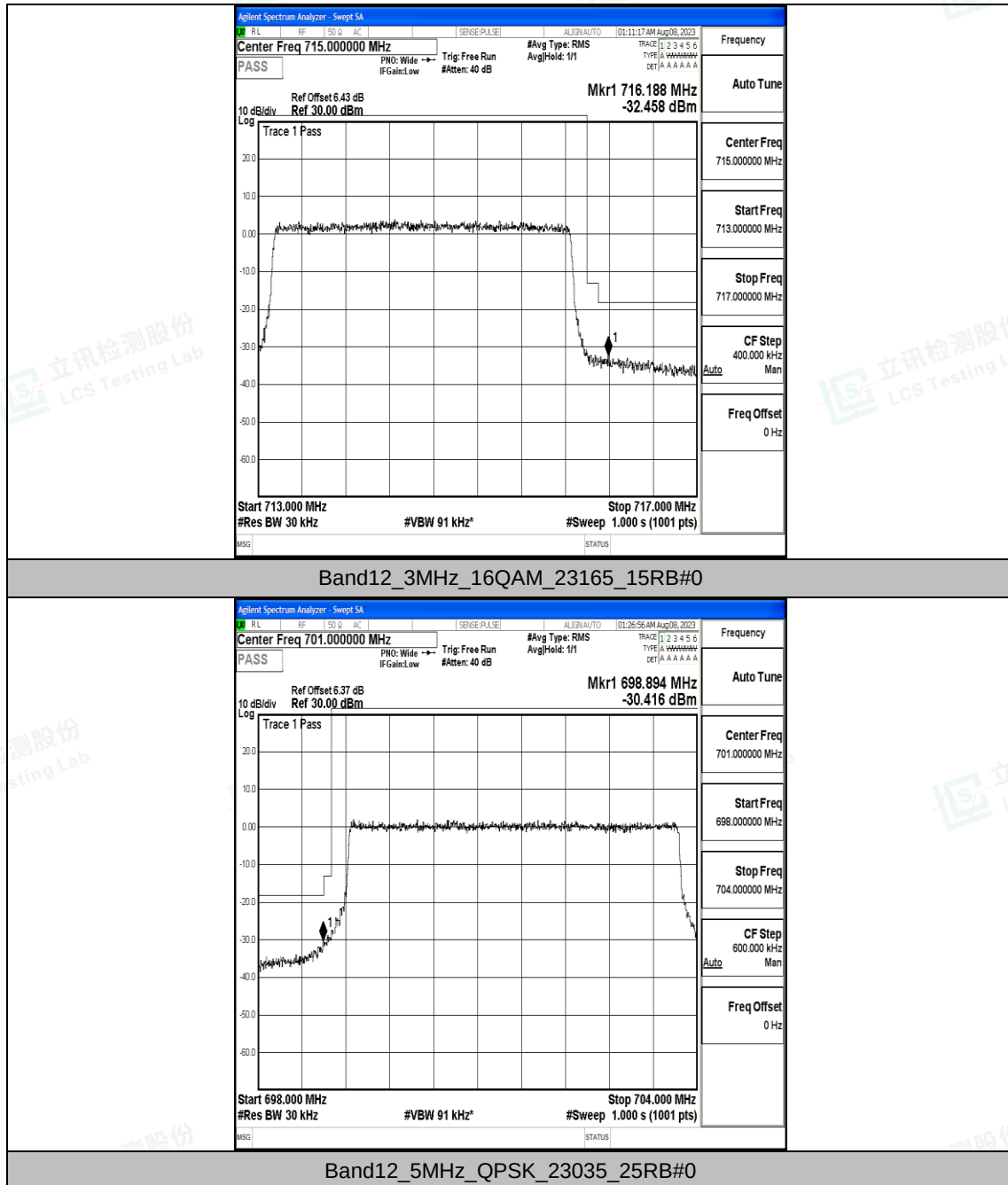


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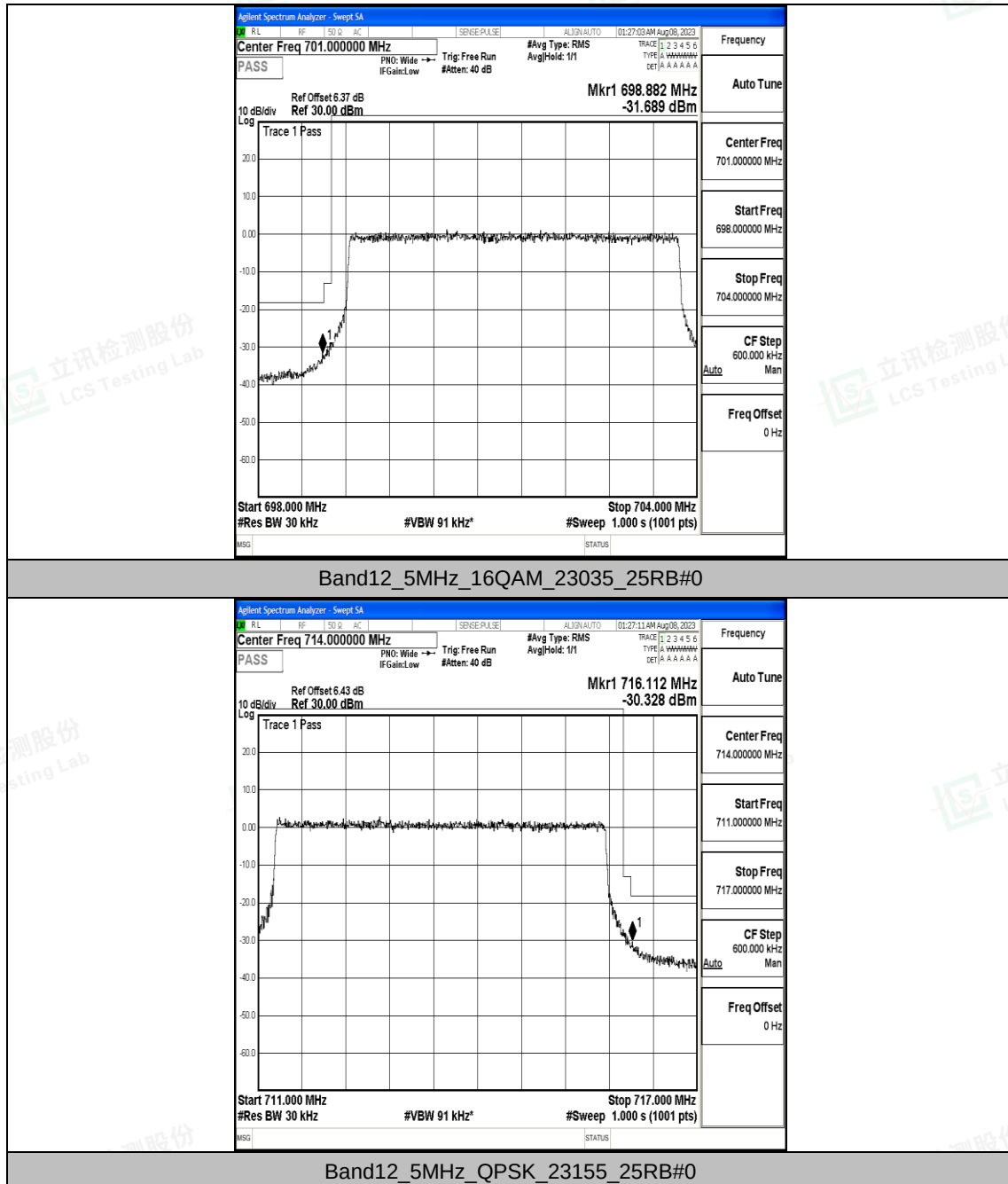


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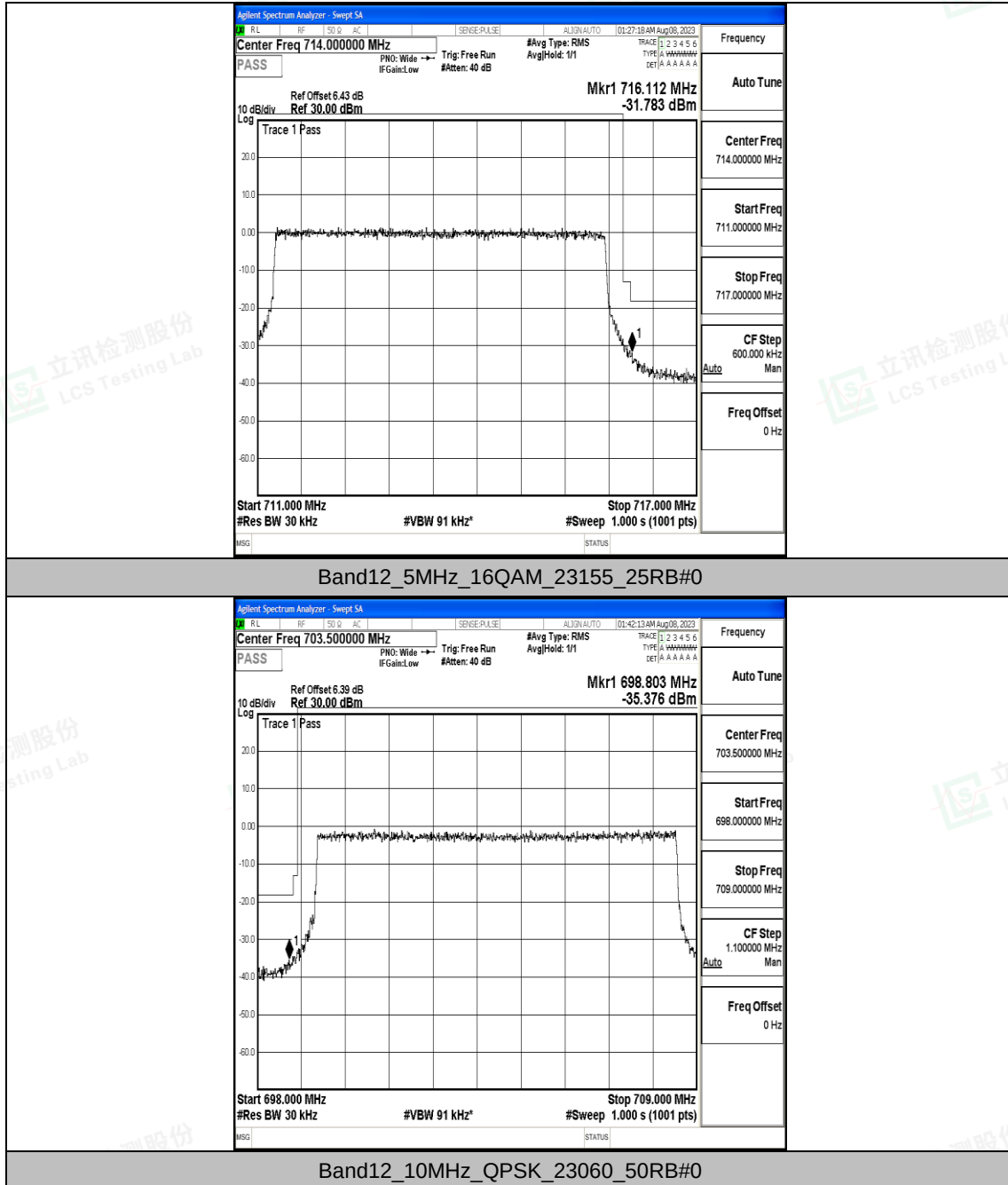


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