



Appendix N: Test Data for E-UTRA Band 17

Product Name: Rugged Handheld Computer

Test Model: EA530 UHF

Environmental Conditions

Temperature:	24.4°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Paddi Chen





N.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.82	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.56	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.60	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.45	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.61	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.42	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.68	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.91	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.82	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.90	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.73	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.84	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.79	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.50	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.27	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.50	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.61	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.69	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.53	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.58	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.76	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.75	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.76	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.73	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.74	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.73	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.92	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.60	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.30	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.50	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.22	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.64	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.23	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.91	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.71	PASS





Band17	5MHz	16QAM	23825	12RB#6	21.83	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.52	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.93	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.69	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.06	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.33	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.36	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.14	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.37	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.25	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.42	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.48	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.68	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.50	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.68	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.50	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.75	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.50	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.70	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.68	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.62	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.53	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.98	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.36	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.89	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.61	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.75	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.44	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.89	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.43	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.82	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.60	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.80	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.25	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.26	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.18	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.20	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.20	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.17	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.46	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.68	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.48	PASS





Band17	10MHz	16QAM	23800	25RB#12	21.78	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.55	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.78	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.47	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.78	PASS





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

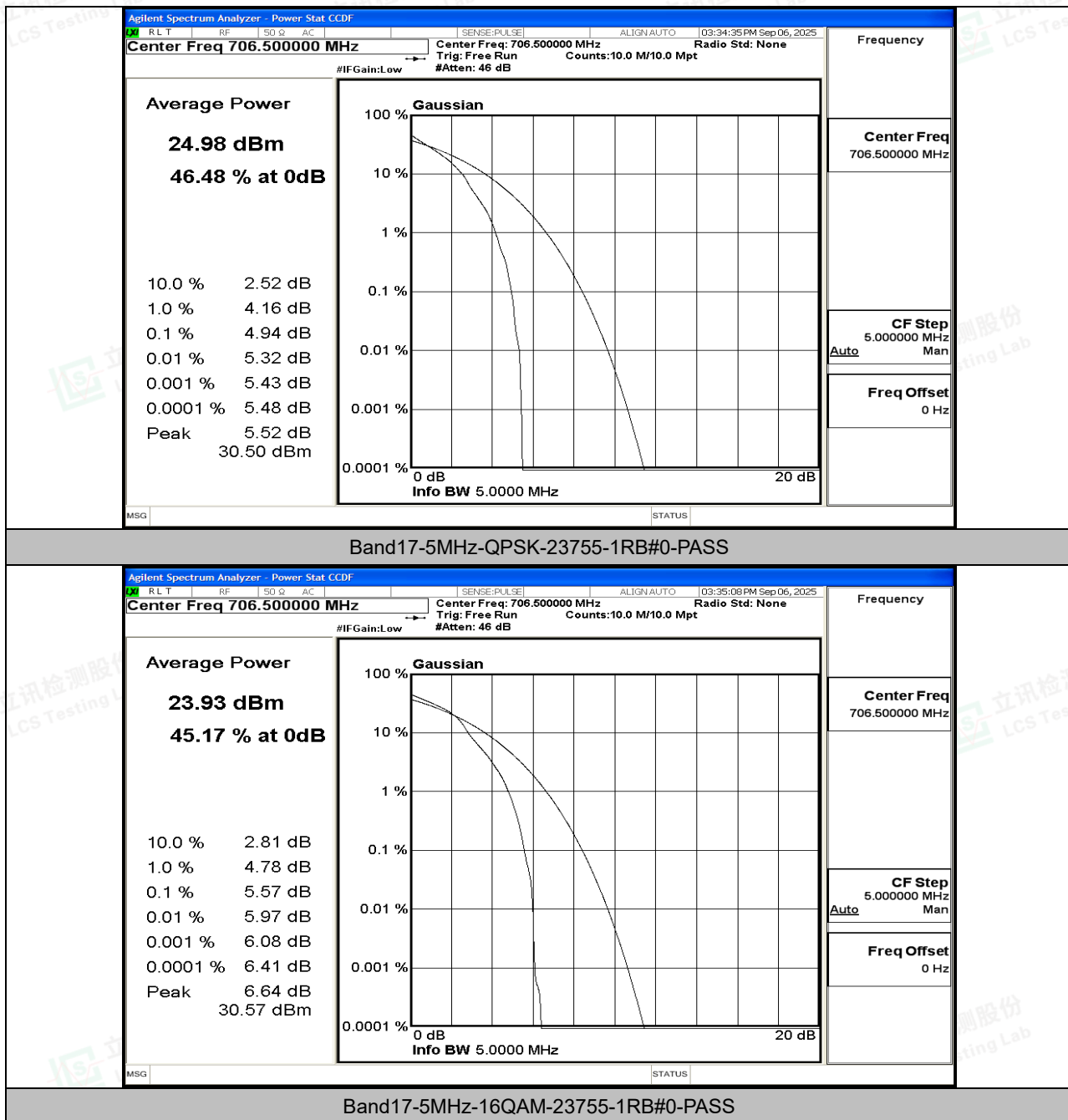
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	4.94	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.57	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.48	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.11	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.84	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.57	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.50	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.12	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.79	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.46	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.31	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.00	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.84	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.60	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.51	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.18	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.58	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.35	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.48	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.18	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.69	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.02	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.42	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.14	13	PASS





Test Graphs

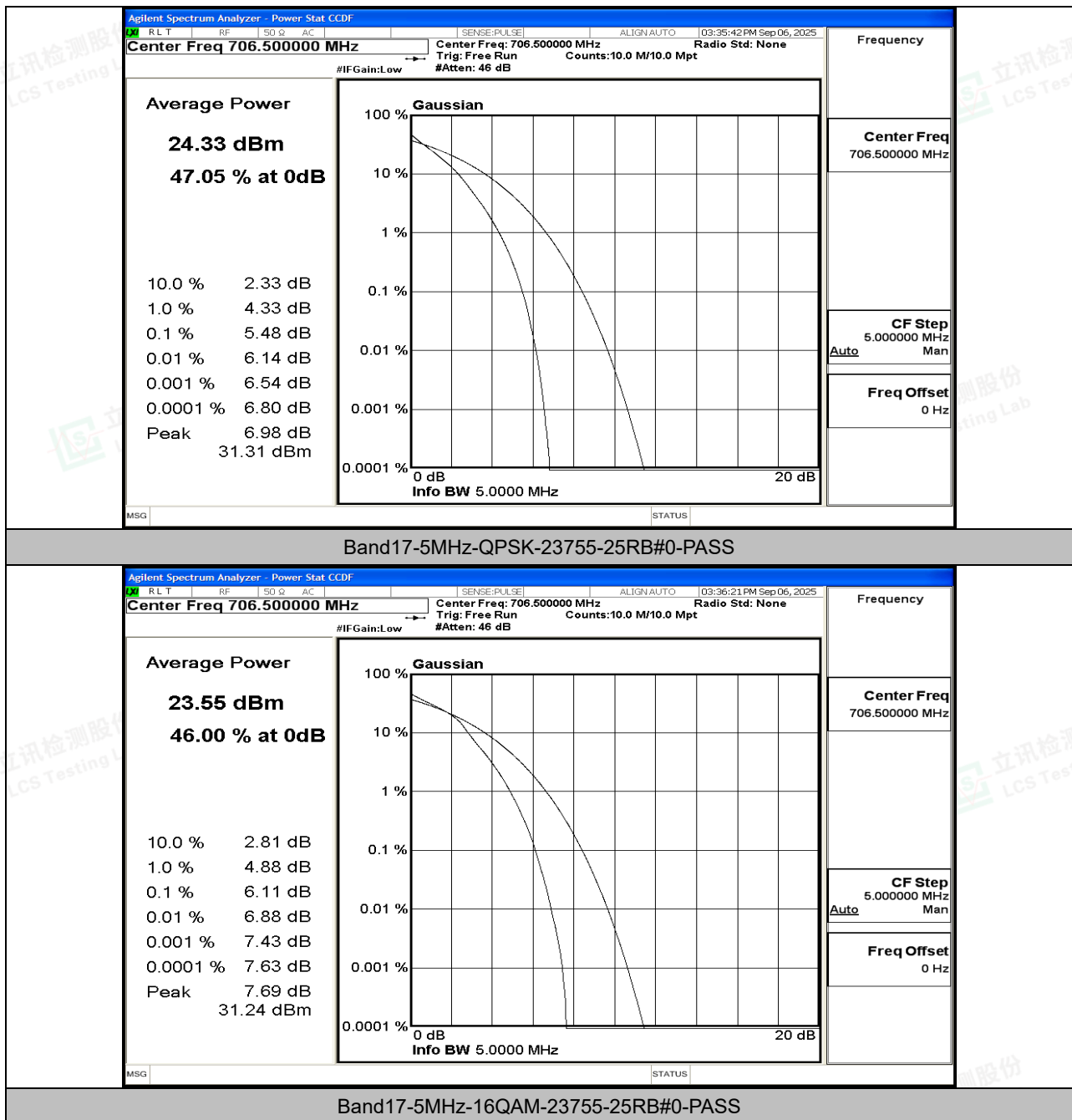


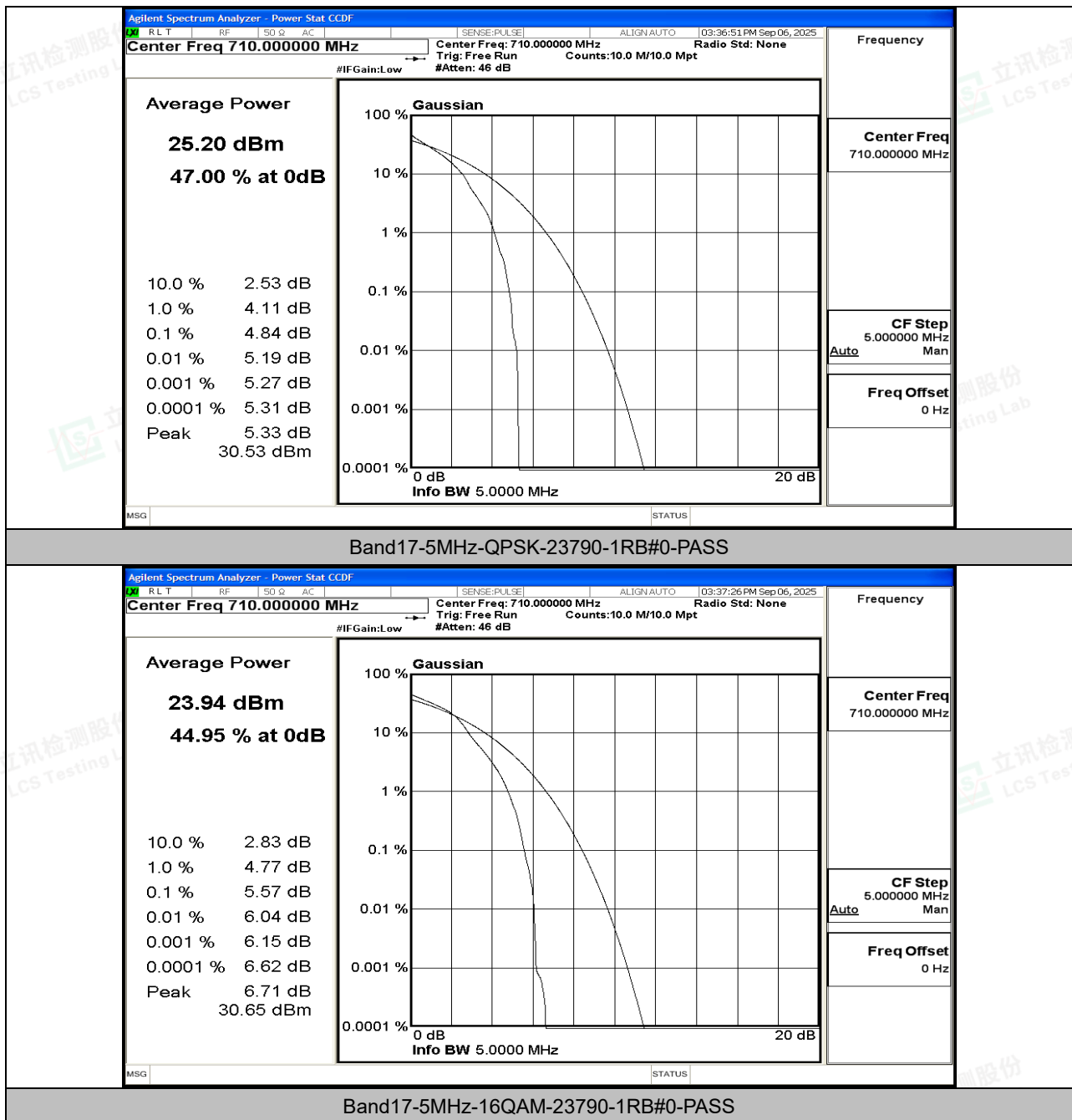
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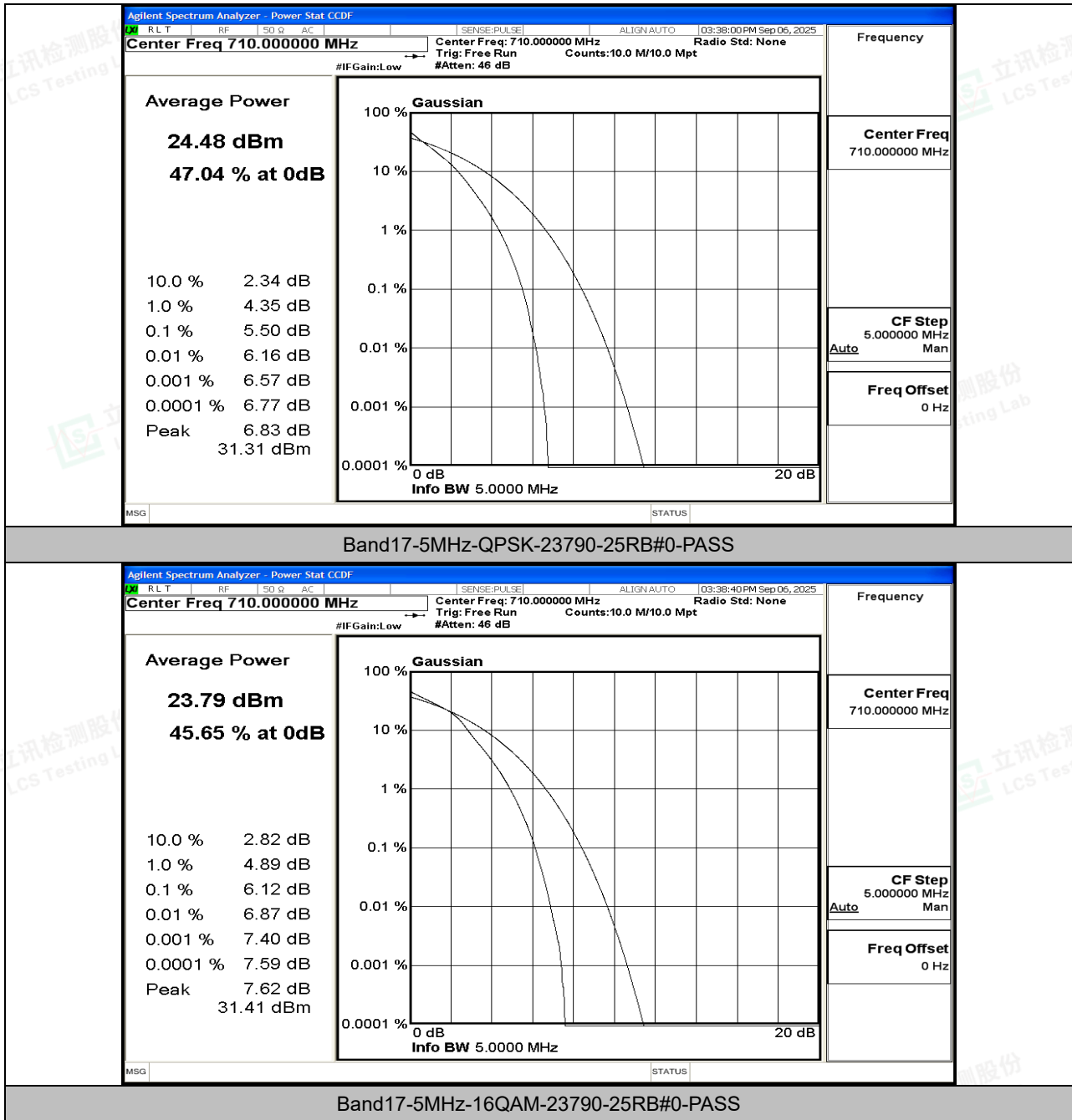
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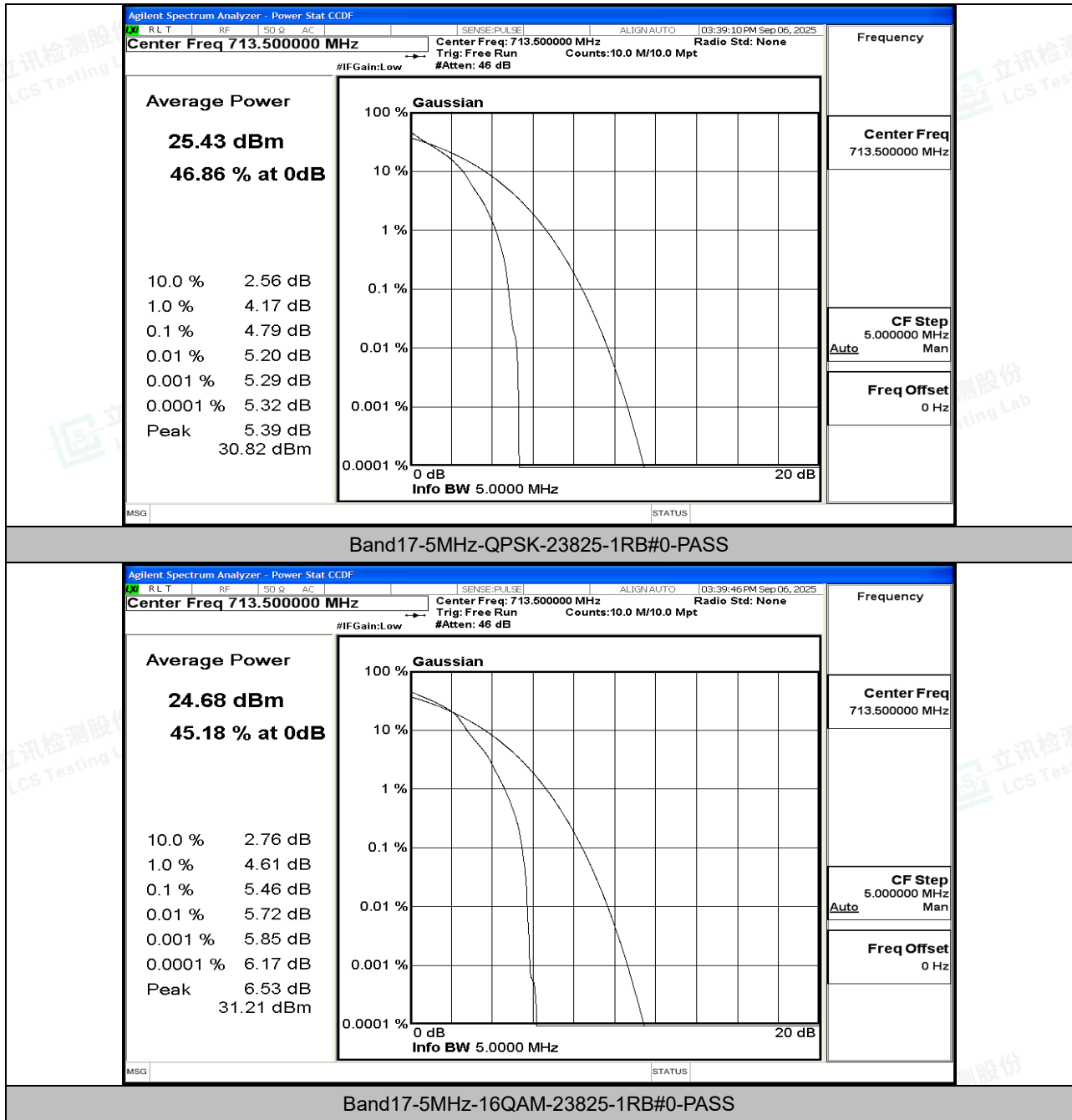
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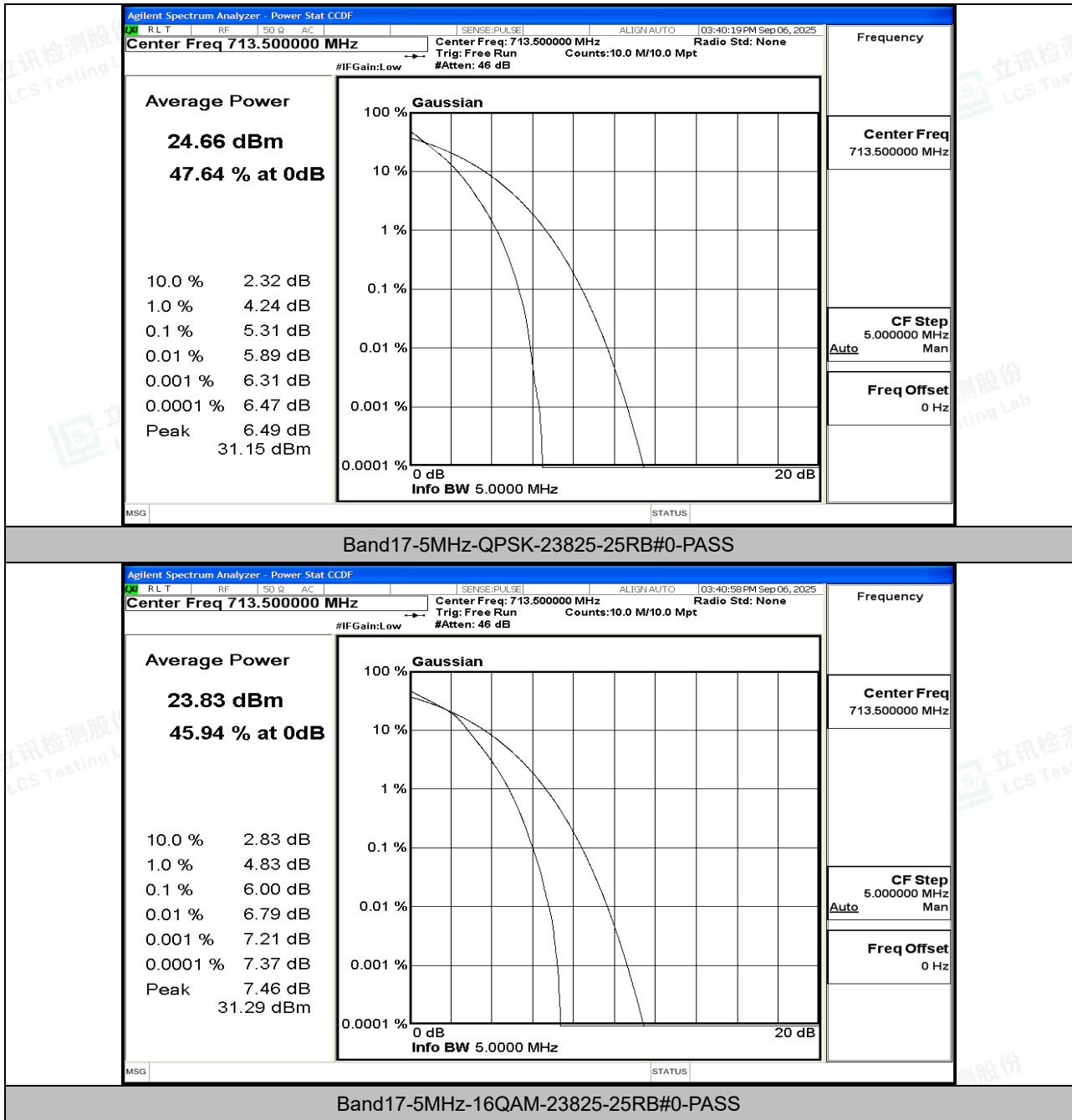


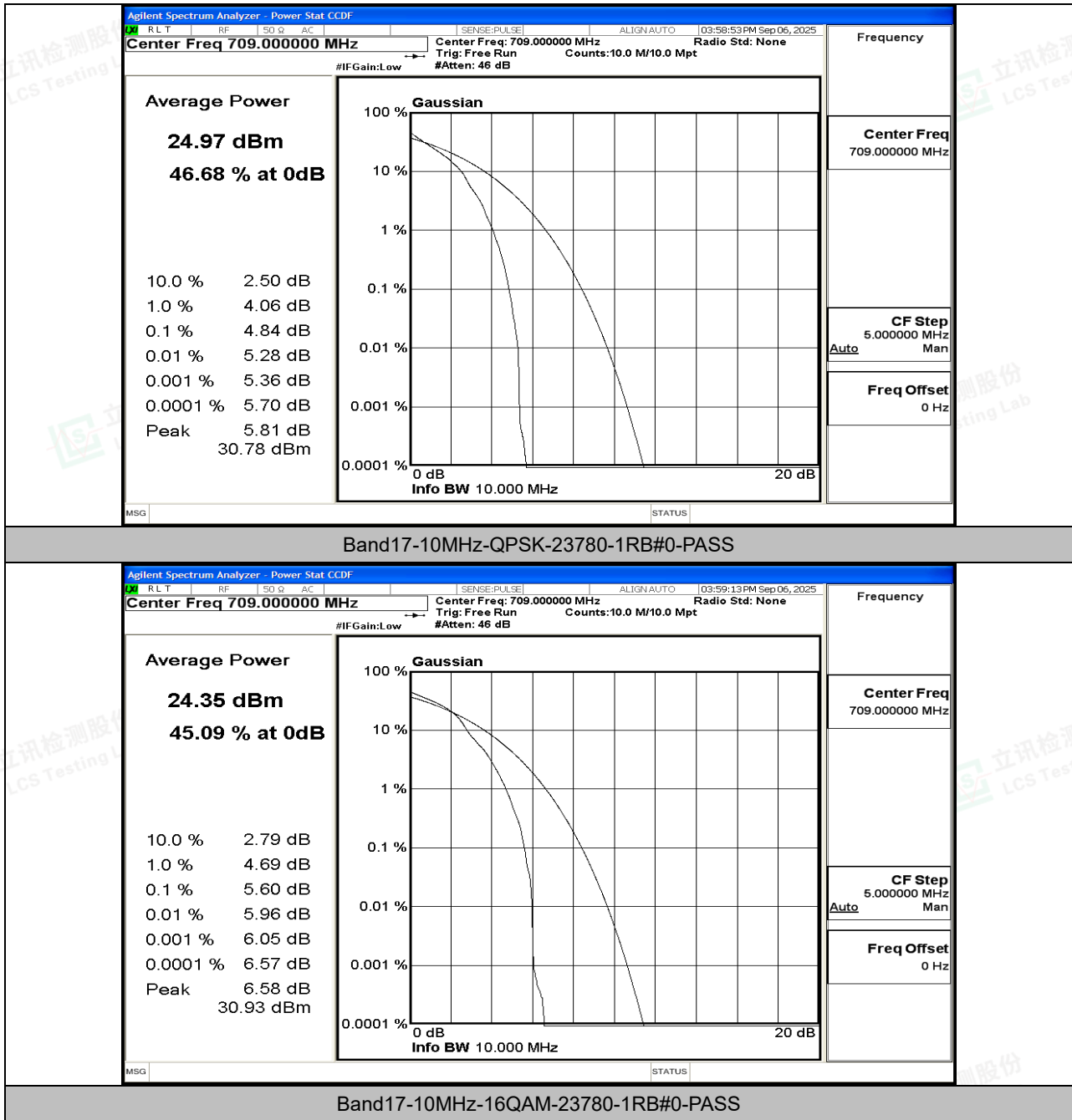
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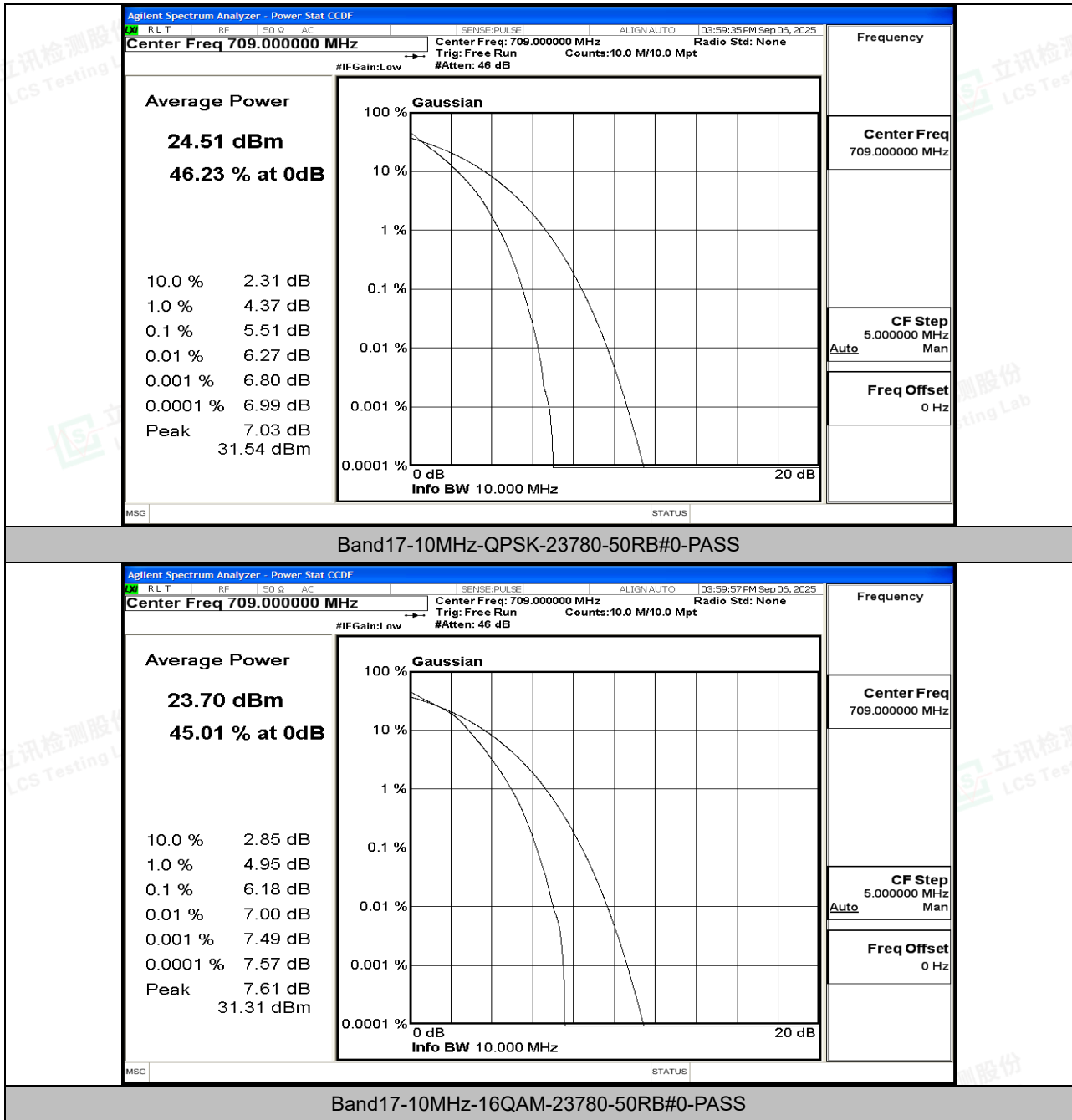
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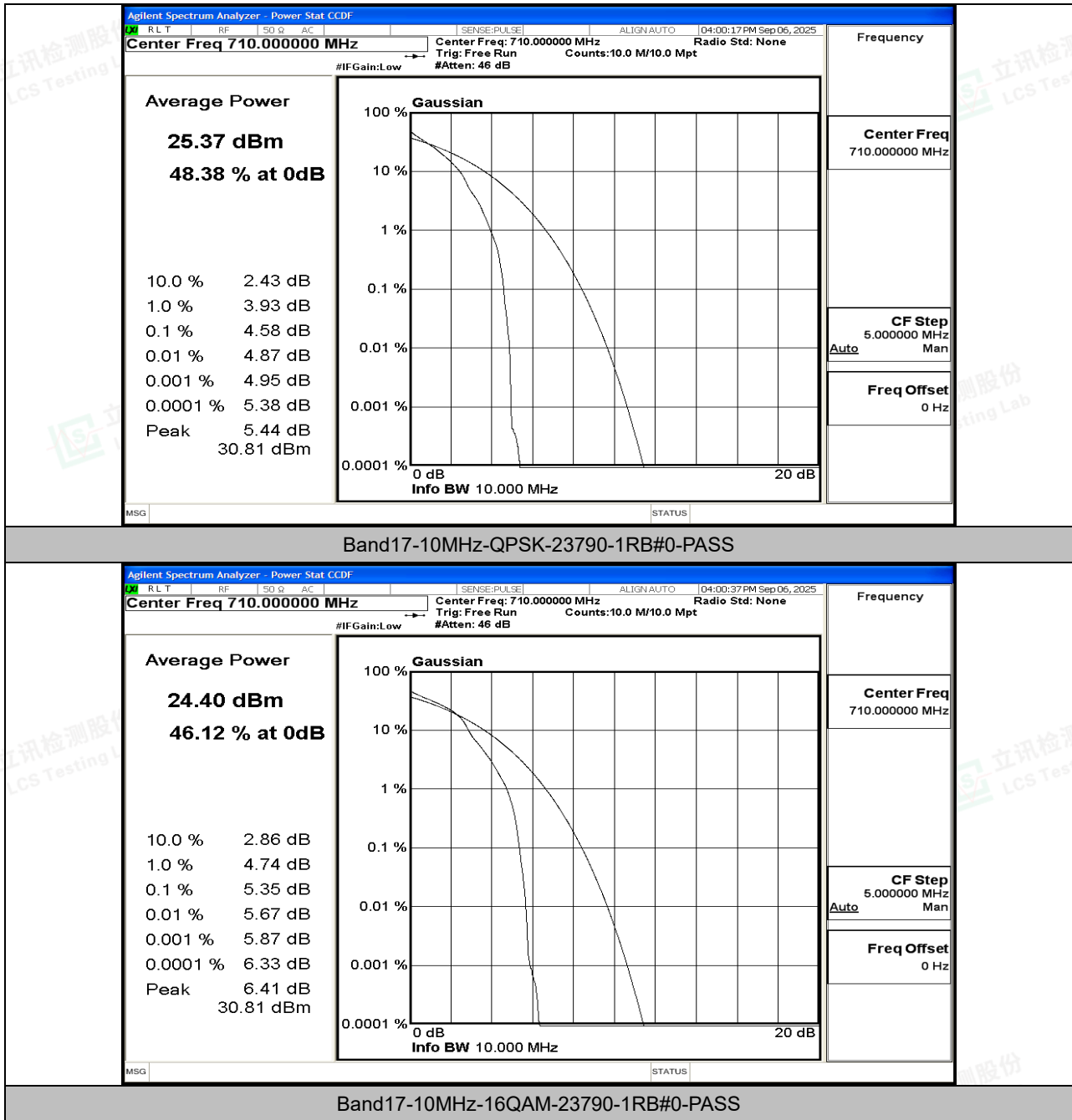
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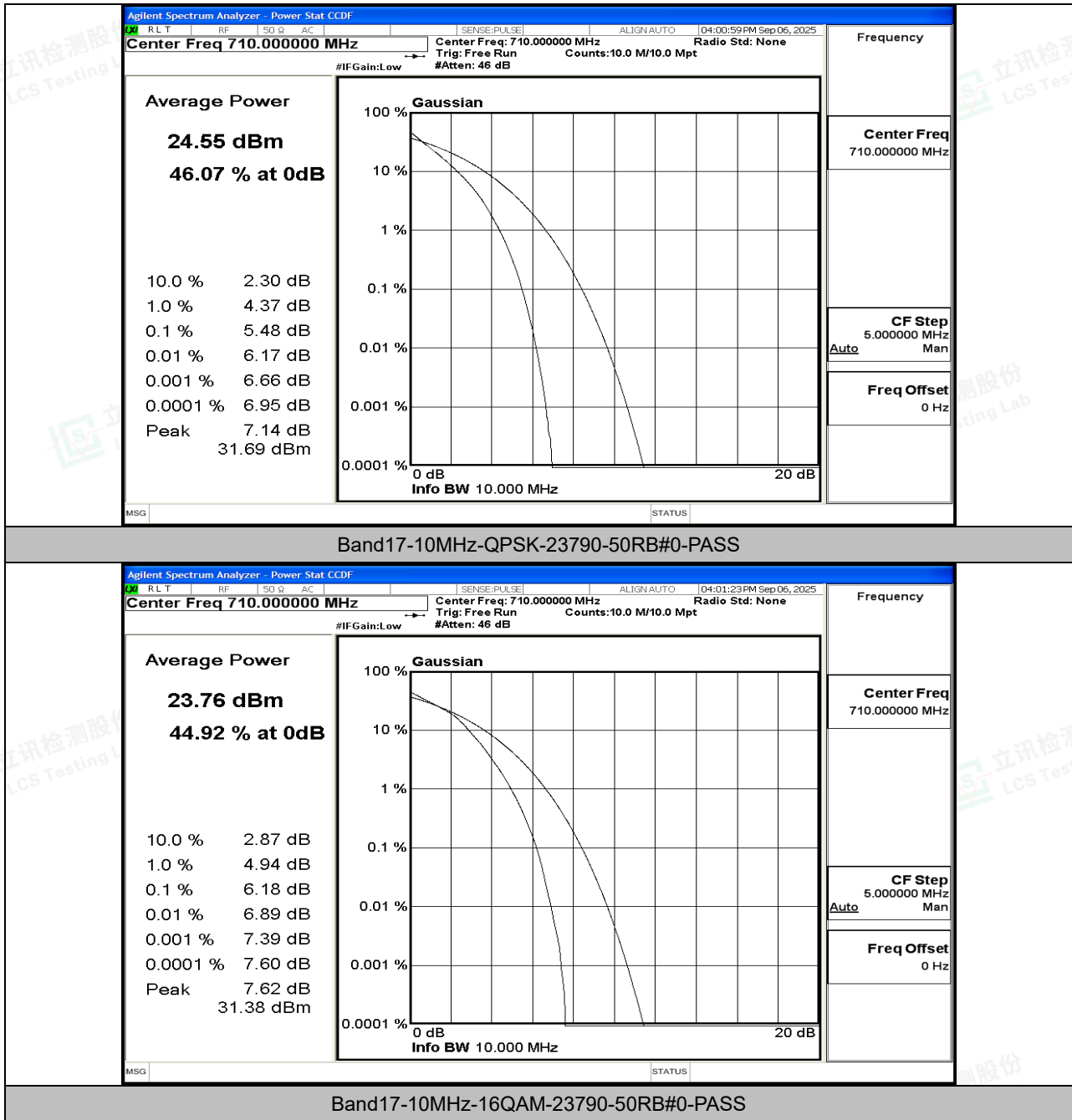
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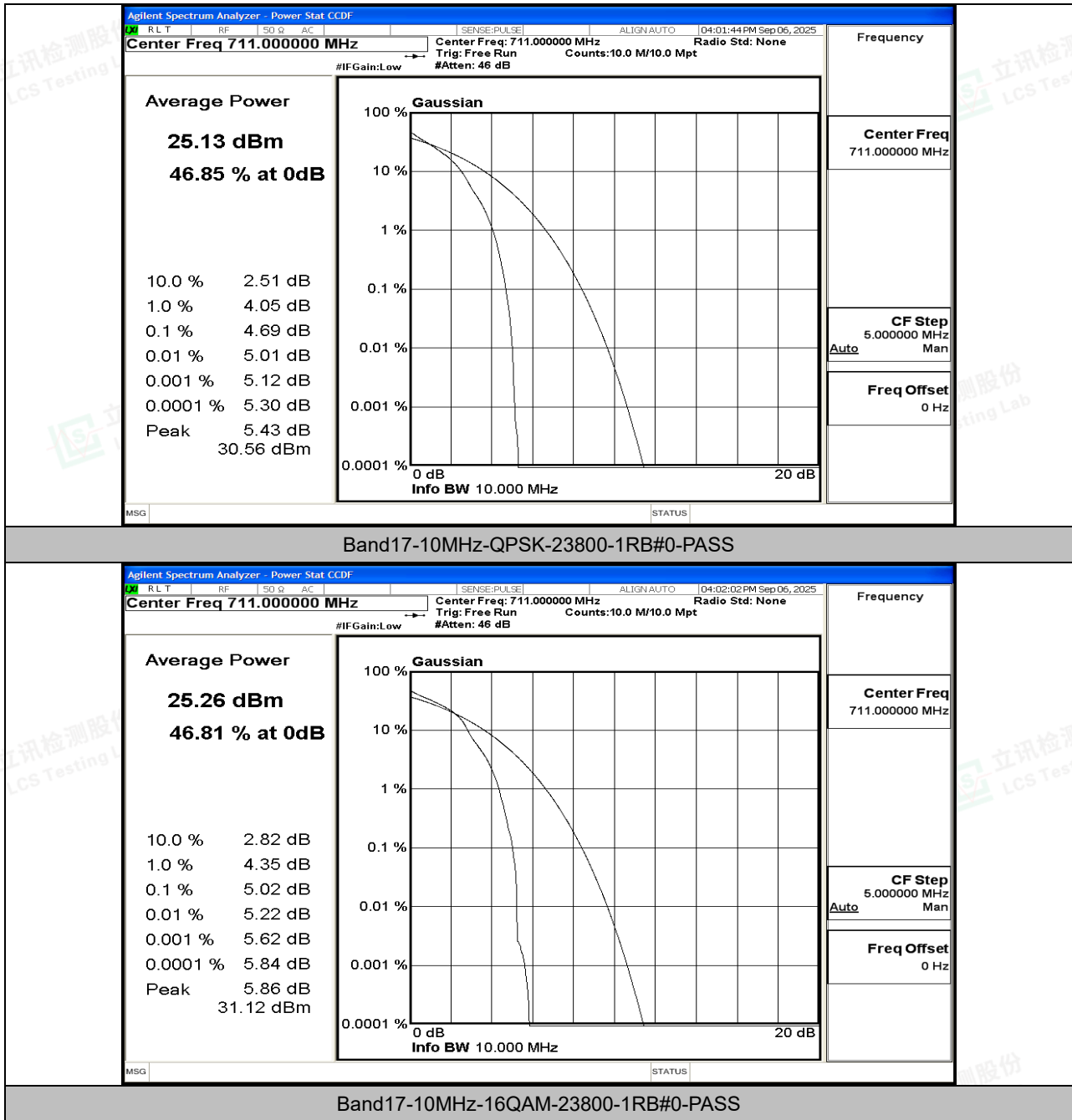


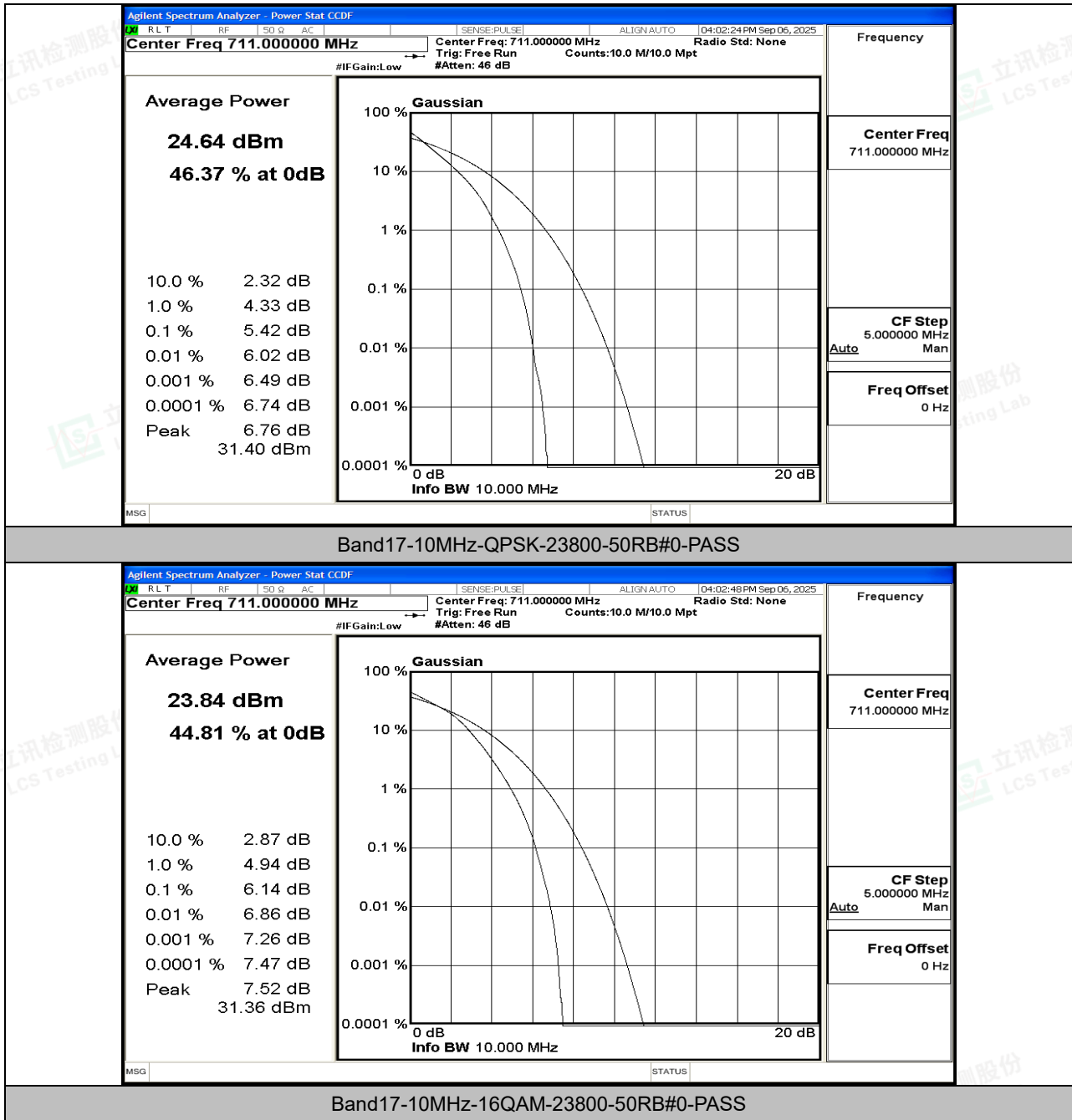














N.3 26dB Bandwidth and Occupied Bandwidth

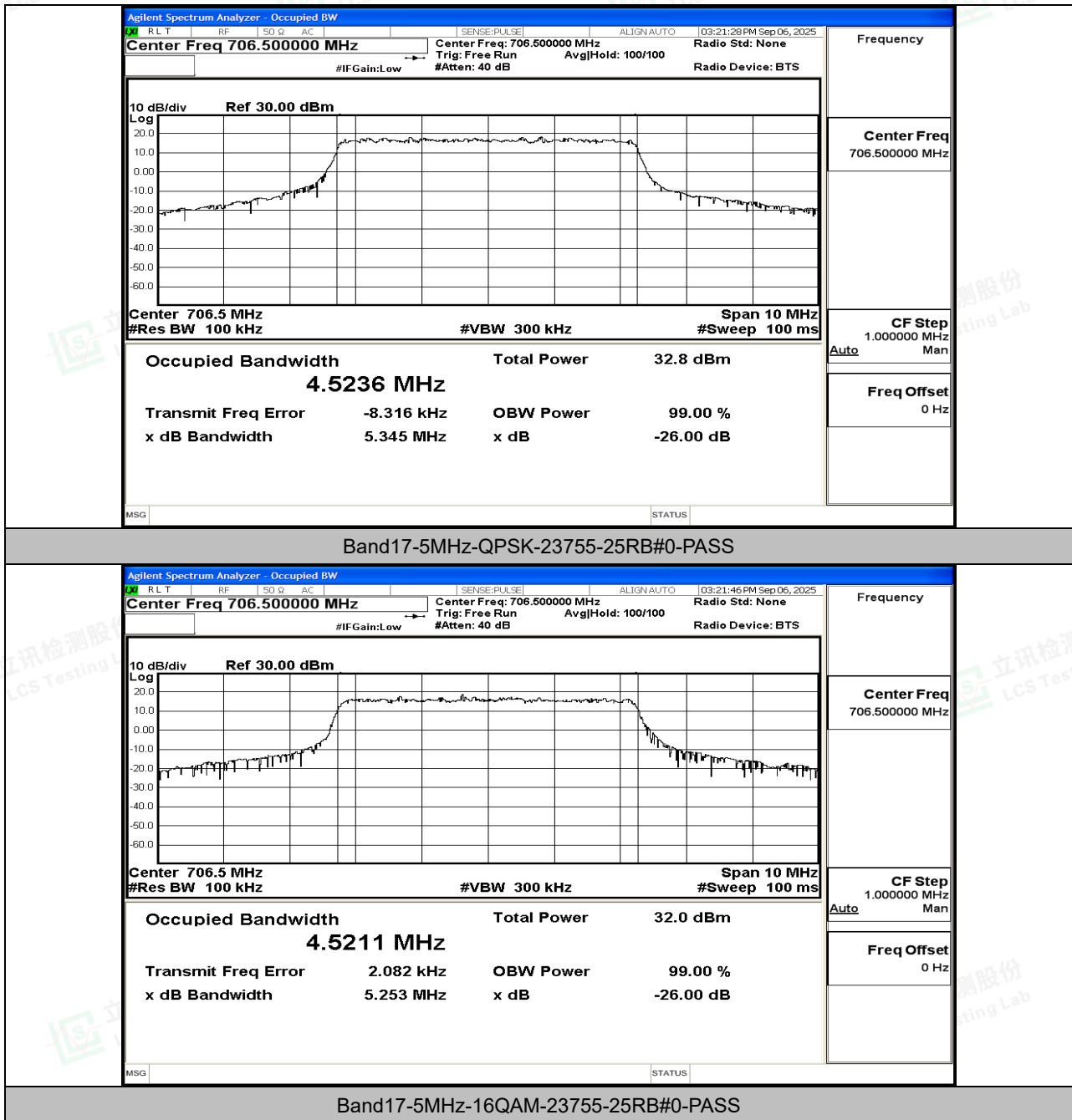
Test Result

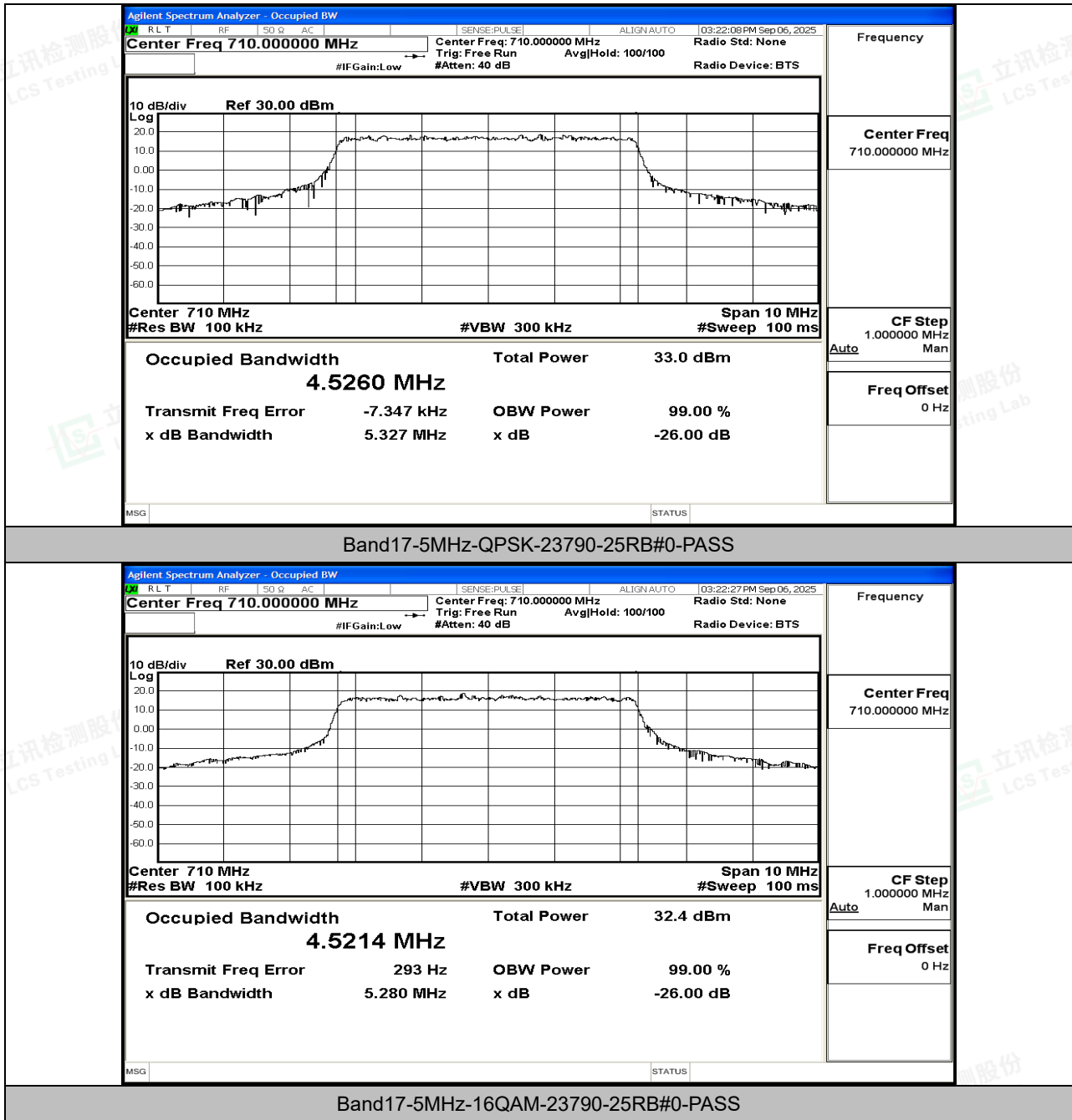
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5236	5.345	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5211	5.253	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5260	5.327	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5214	5.280	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5189	5.493	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5320	5.348	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0064	10.10	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.0044	10.17	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0189	10.18	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0179	10.55	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9820	9.996	PASS
Band17	10MHz	16QAM	23800	50RB#0	9.0030	10.16	PASS

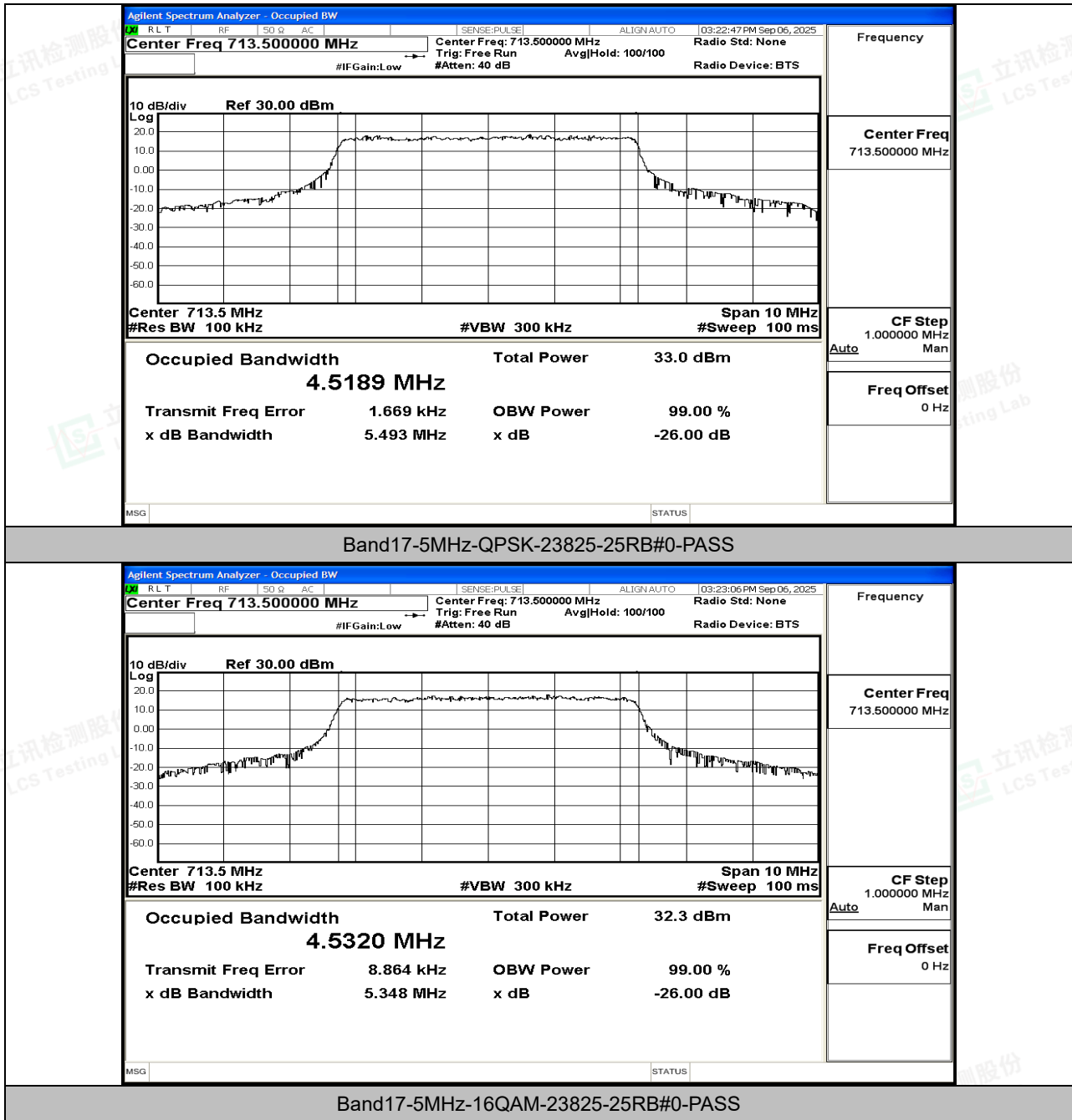


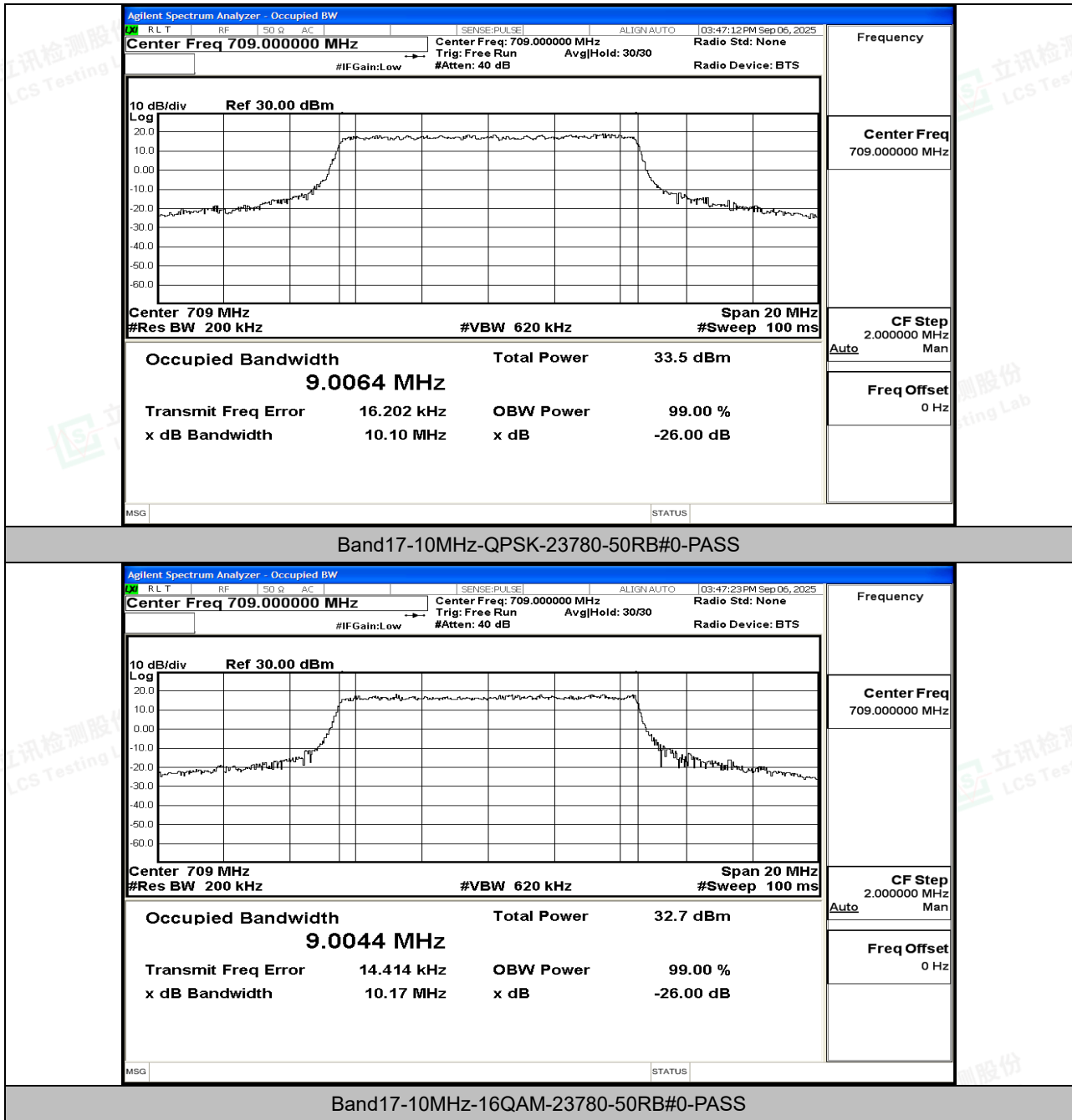


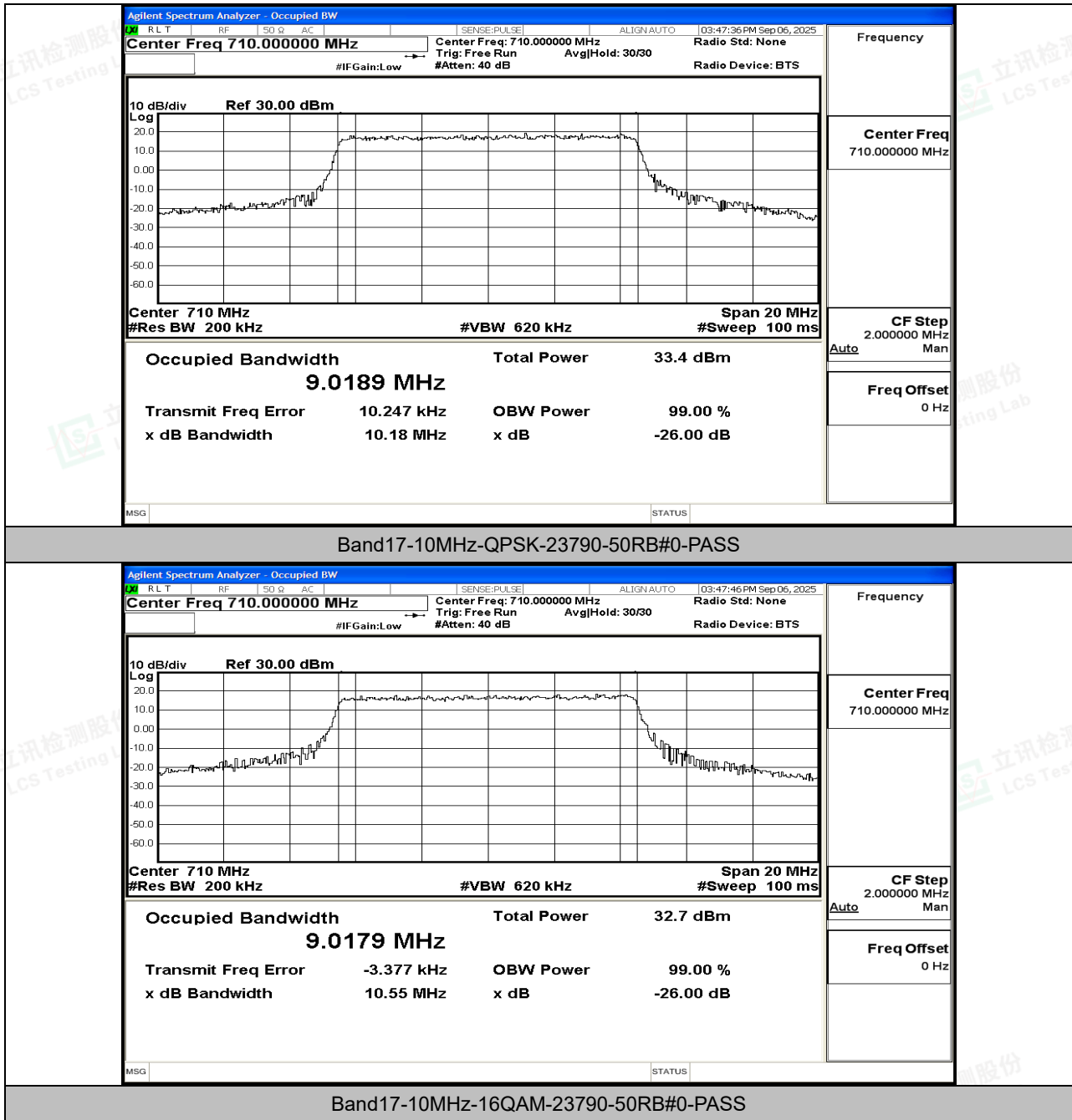
Test Graphs

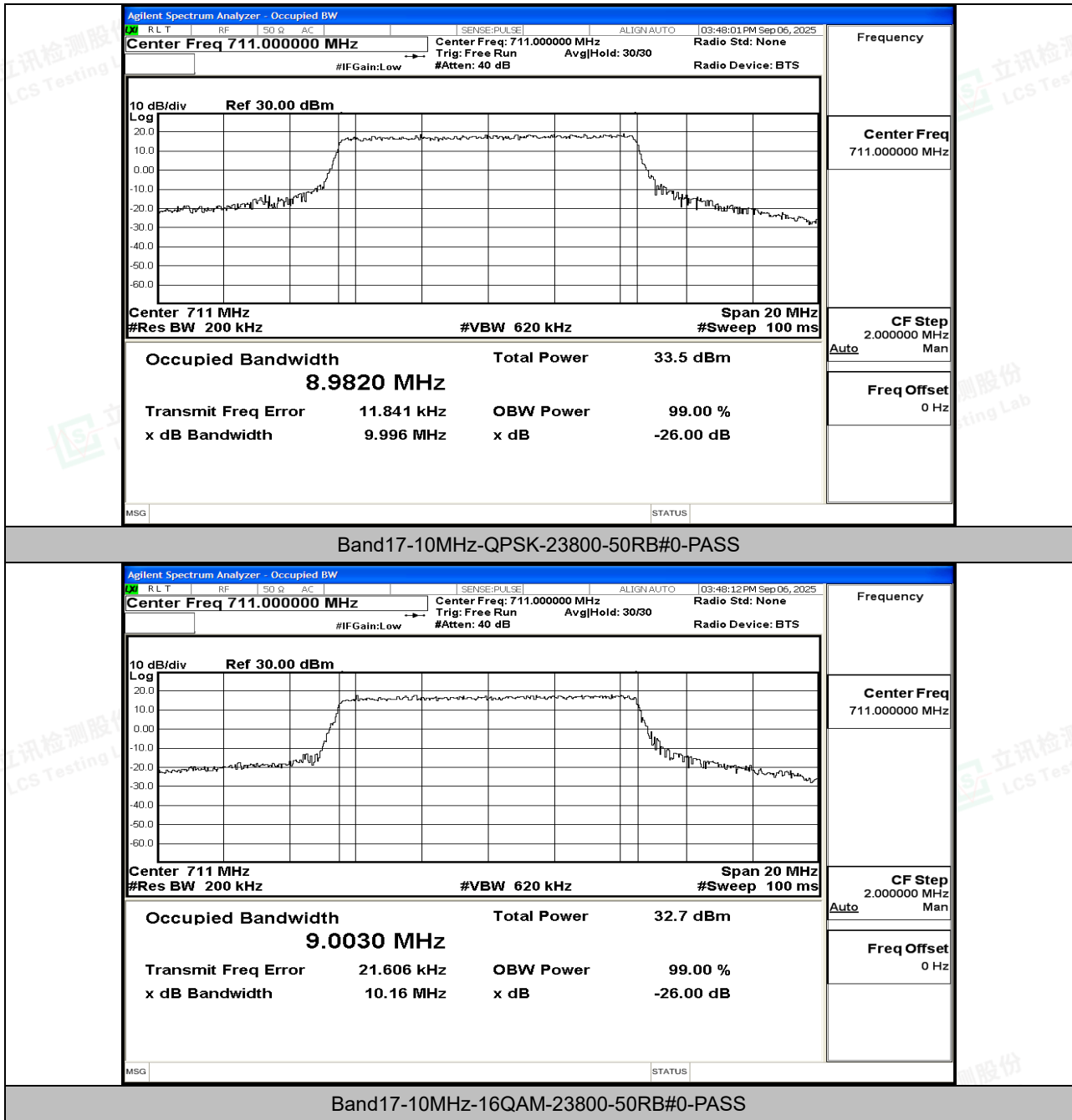












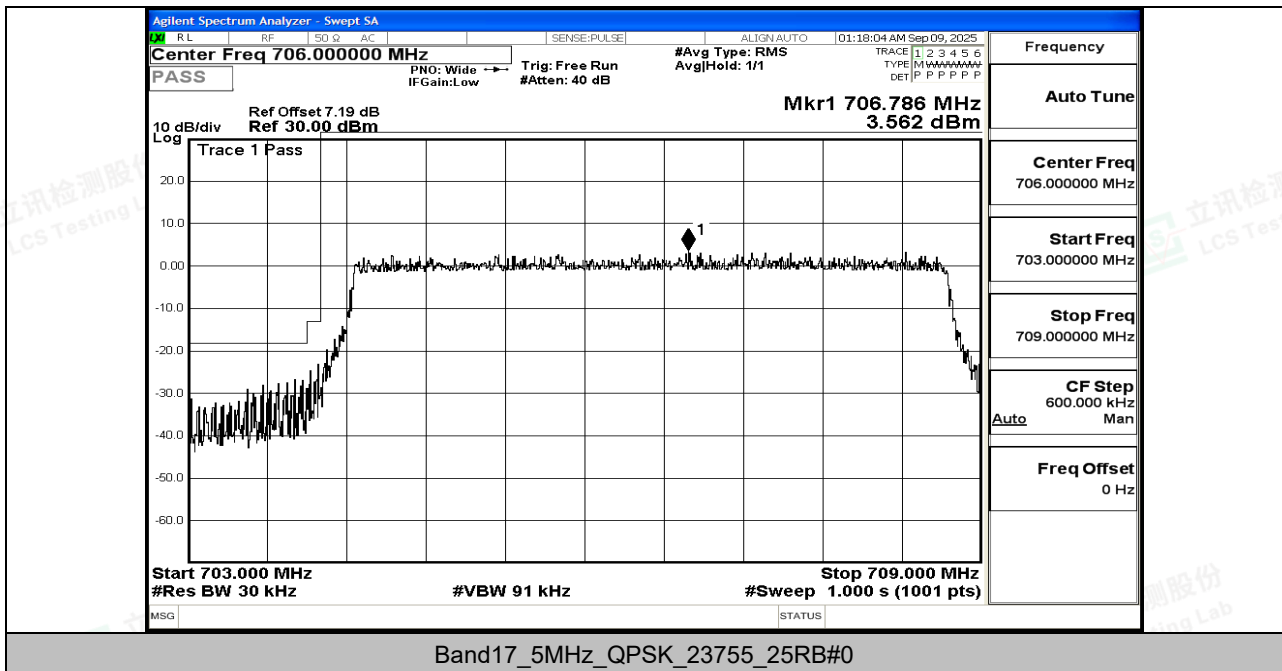


N.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.81	-26.70	PASS
Band17	5MHz	16QAM	23755	25RB#0	703.86	-26.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.12	-26.36	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.13	-25.28	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.86	-23.55	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.63	-25.25	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.14	-21.13	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.18	-22.65	PASS

Test Graphs

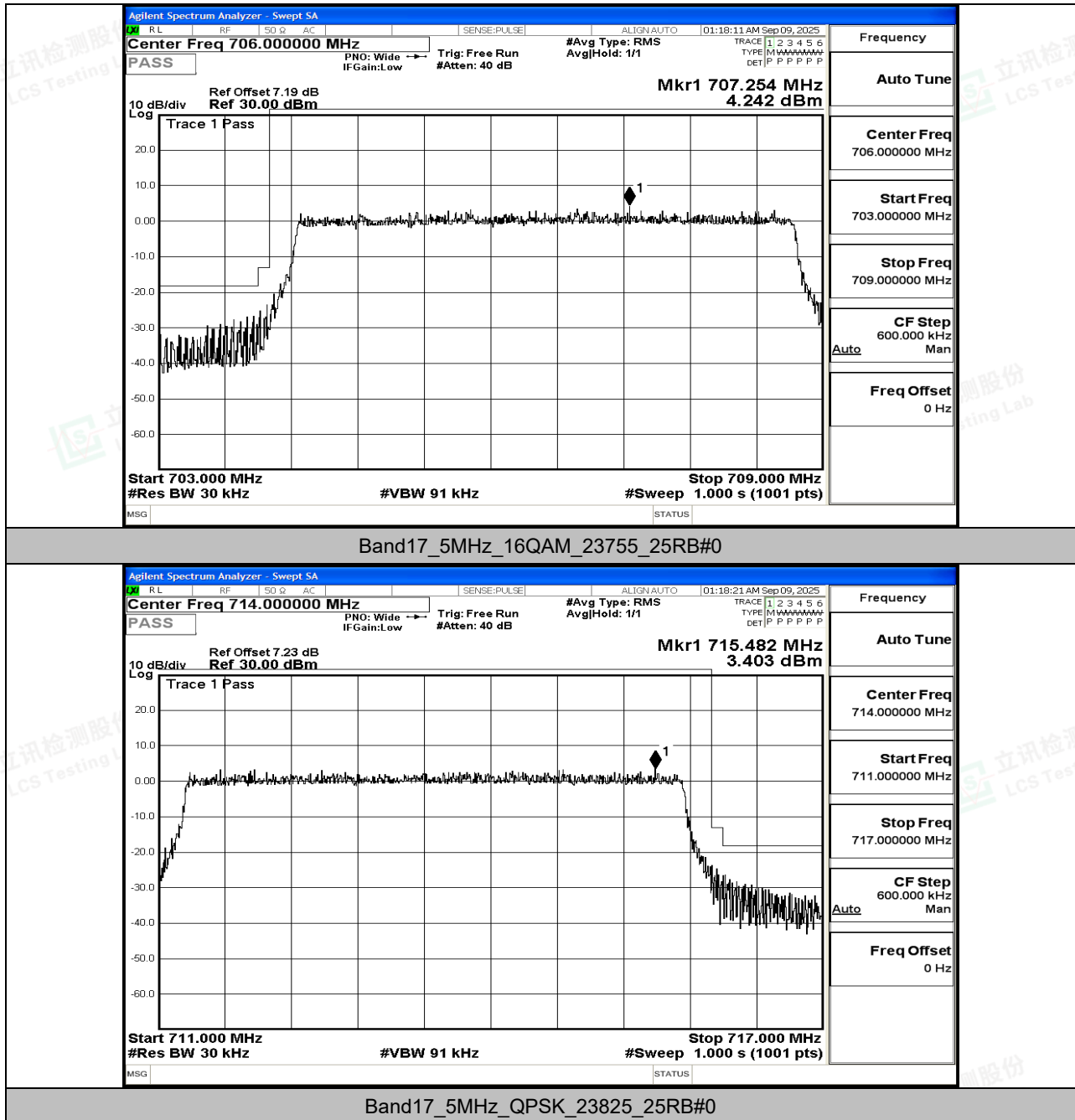


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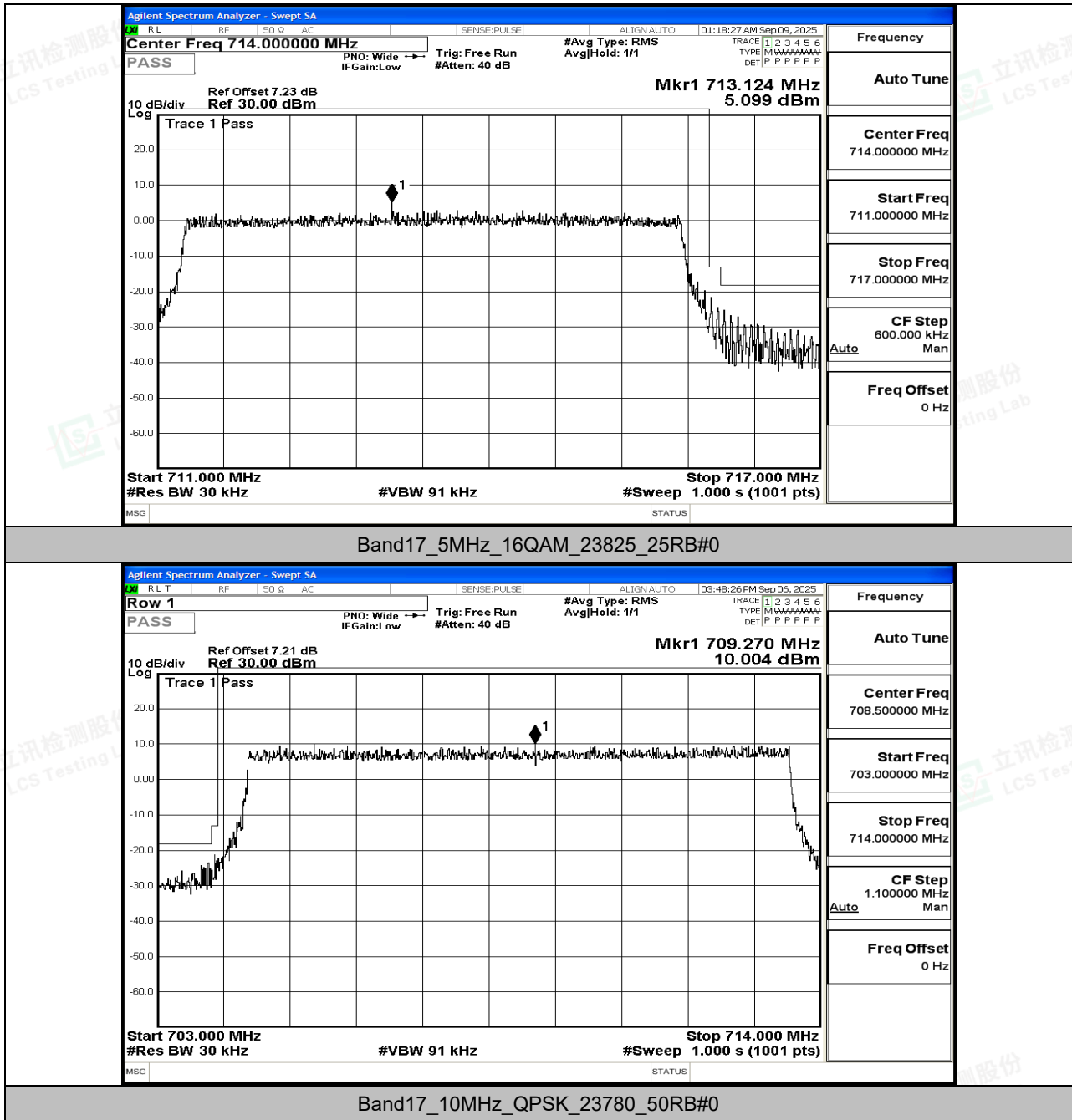


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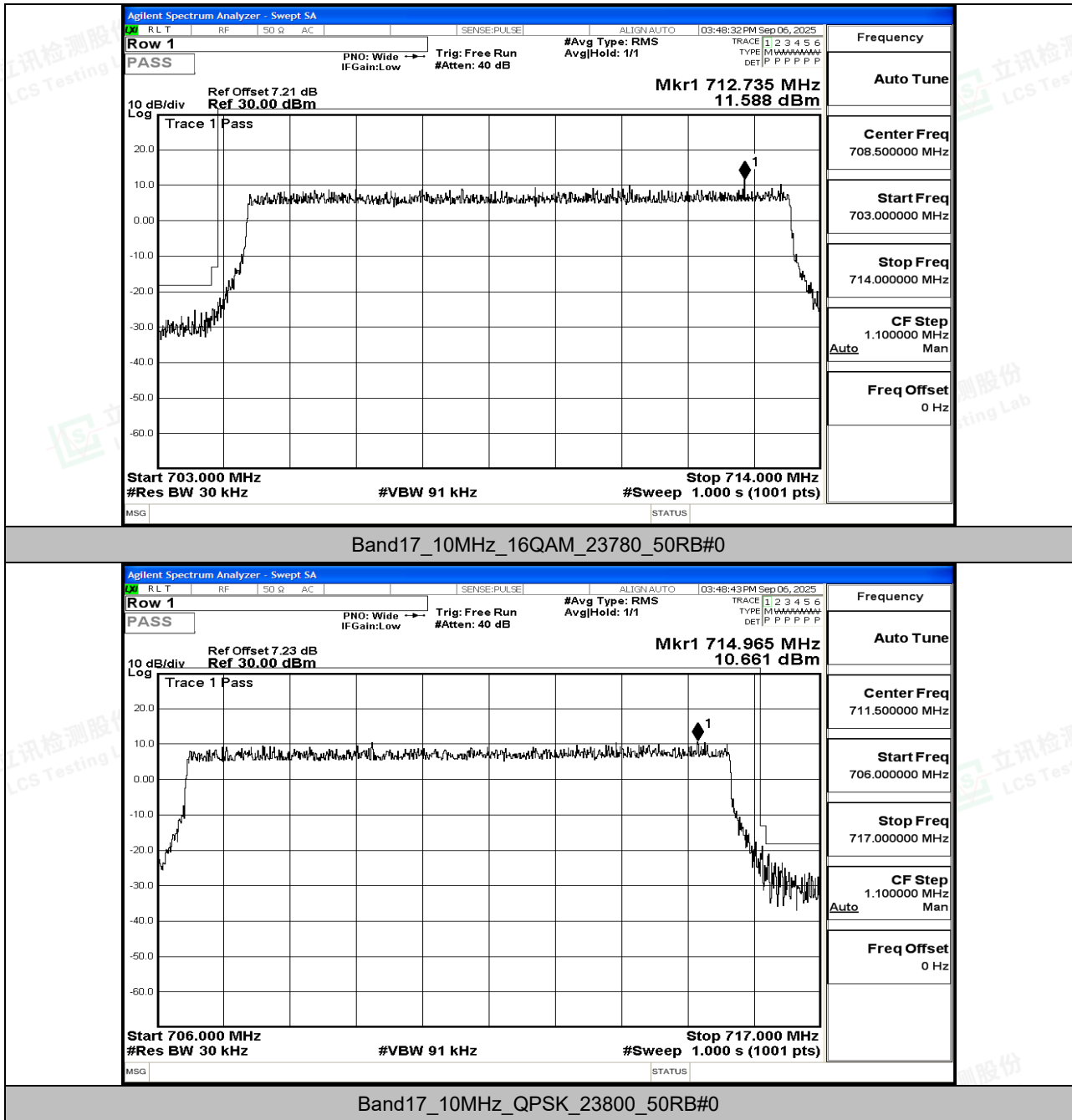


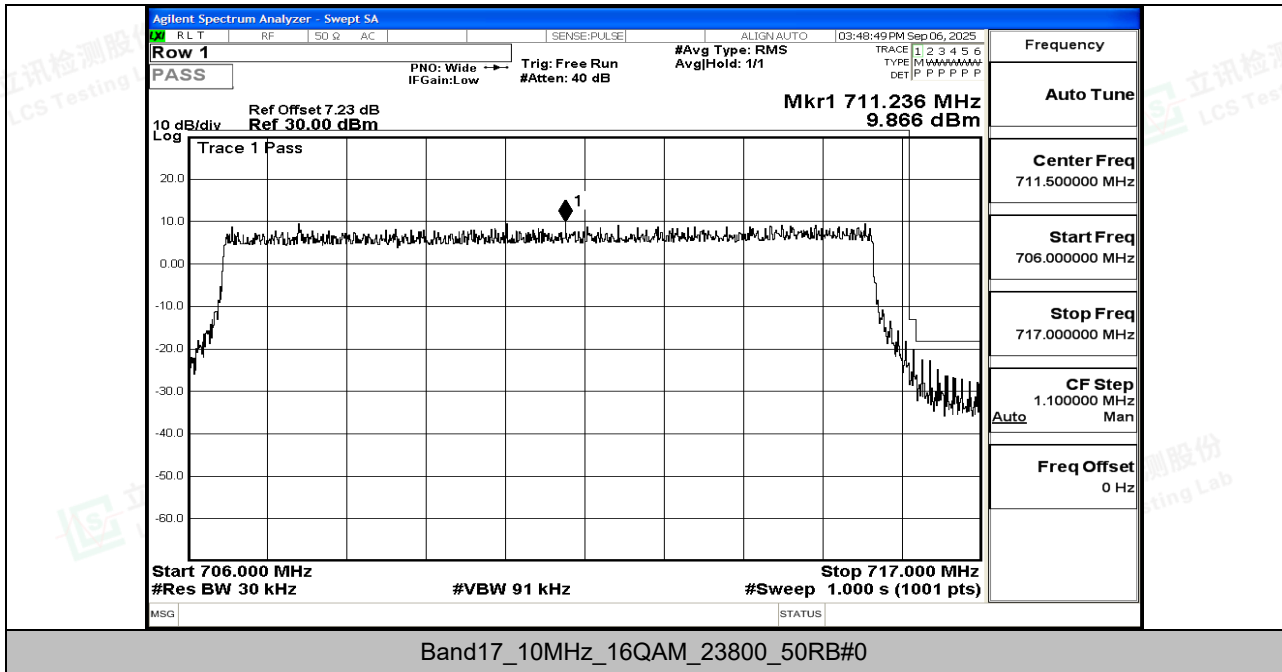
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N.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-57.72	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-46.22	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-41.12	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-33.84	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-35.61	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-58.09	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-46.78	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-42.46	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-36.02	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-35.53	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-57.34	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-48.33	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-39.24	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-34.01	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-35.82	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-58.63	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-46.38	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-44.31	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-35.81	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-34.98	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-53.54	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-46.40	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-39.18	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-31.78	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-35.35	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-57.07	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-46.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-37.28	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-34.64	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-34.80	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-59.01	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-47.70	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-51.99	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-36.27	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-35.00	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-58.36	PASS



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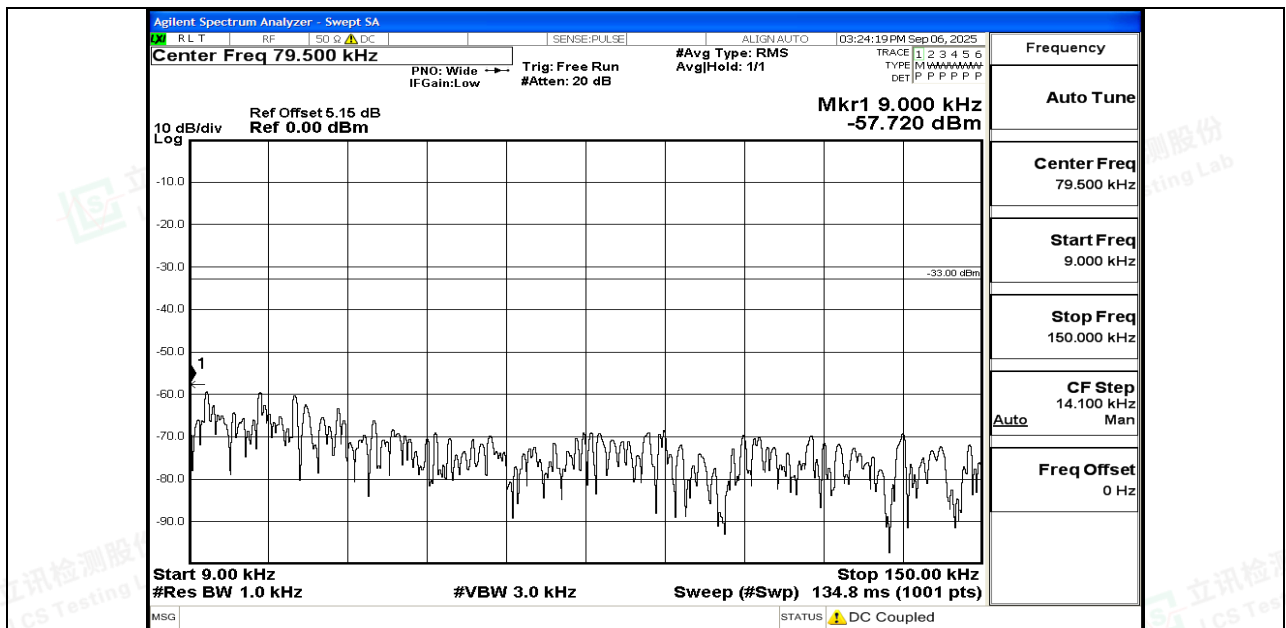
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Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-44.11	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-52.88	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-34.75	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-35.41	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-56.29	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-42.37	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-52.96	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-34.44	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-35.27	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-55.95	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-47.45	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-52.96	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-35.38	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-34.86	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-56.05	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-47.18	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-52.86	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-34.30	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-35.29	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-56.33	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-48.12	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-52.14	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-35.67	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-35.21	PASS

Test Graphs



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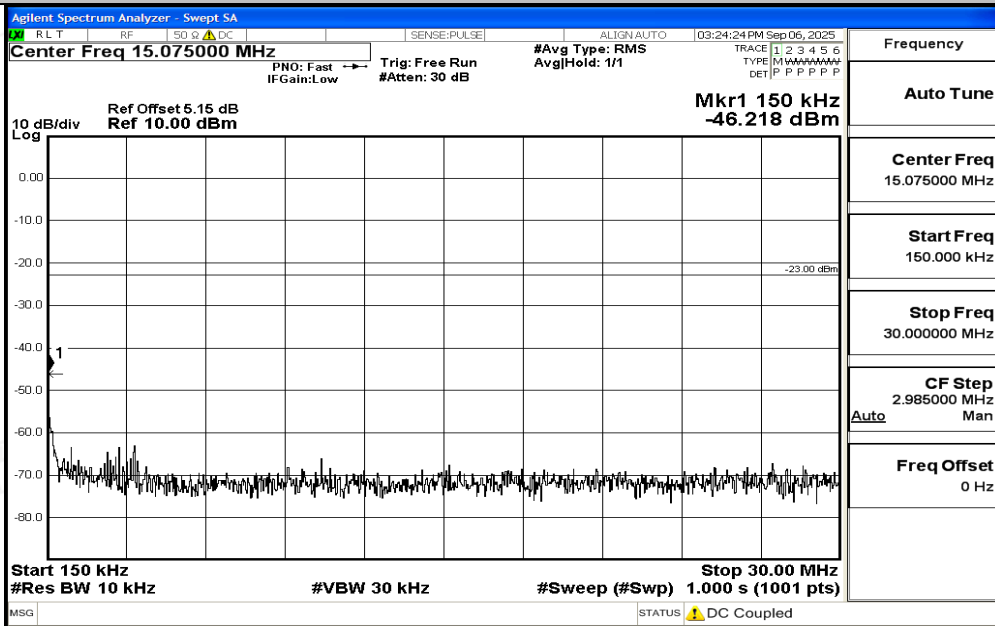
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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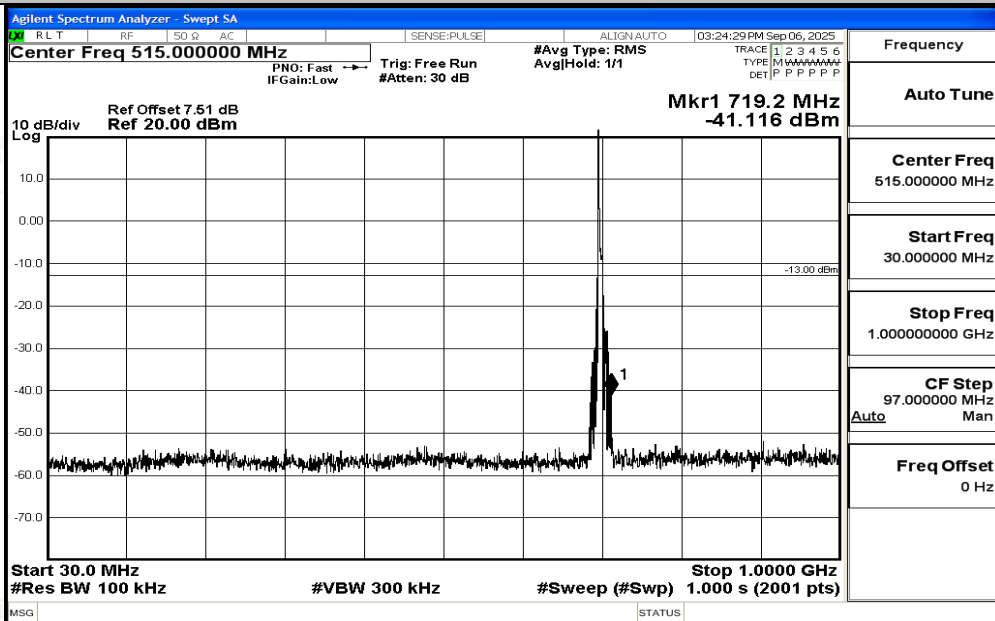
Scan code to check authenticity



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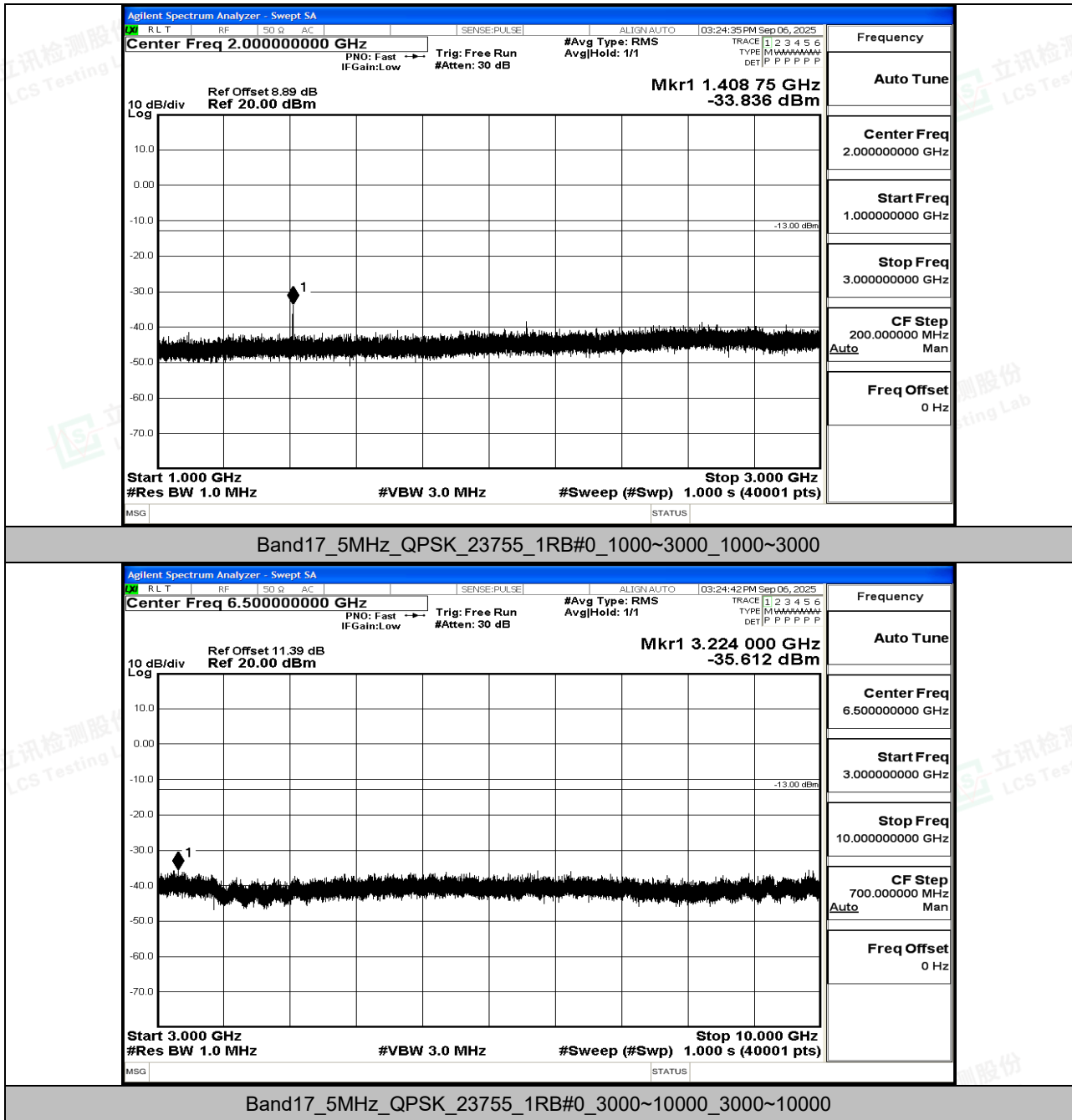


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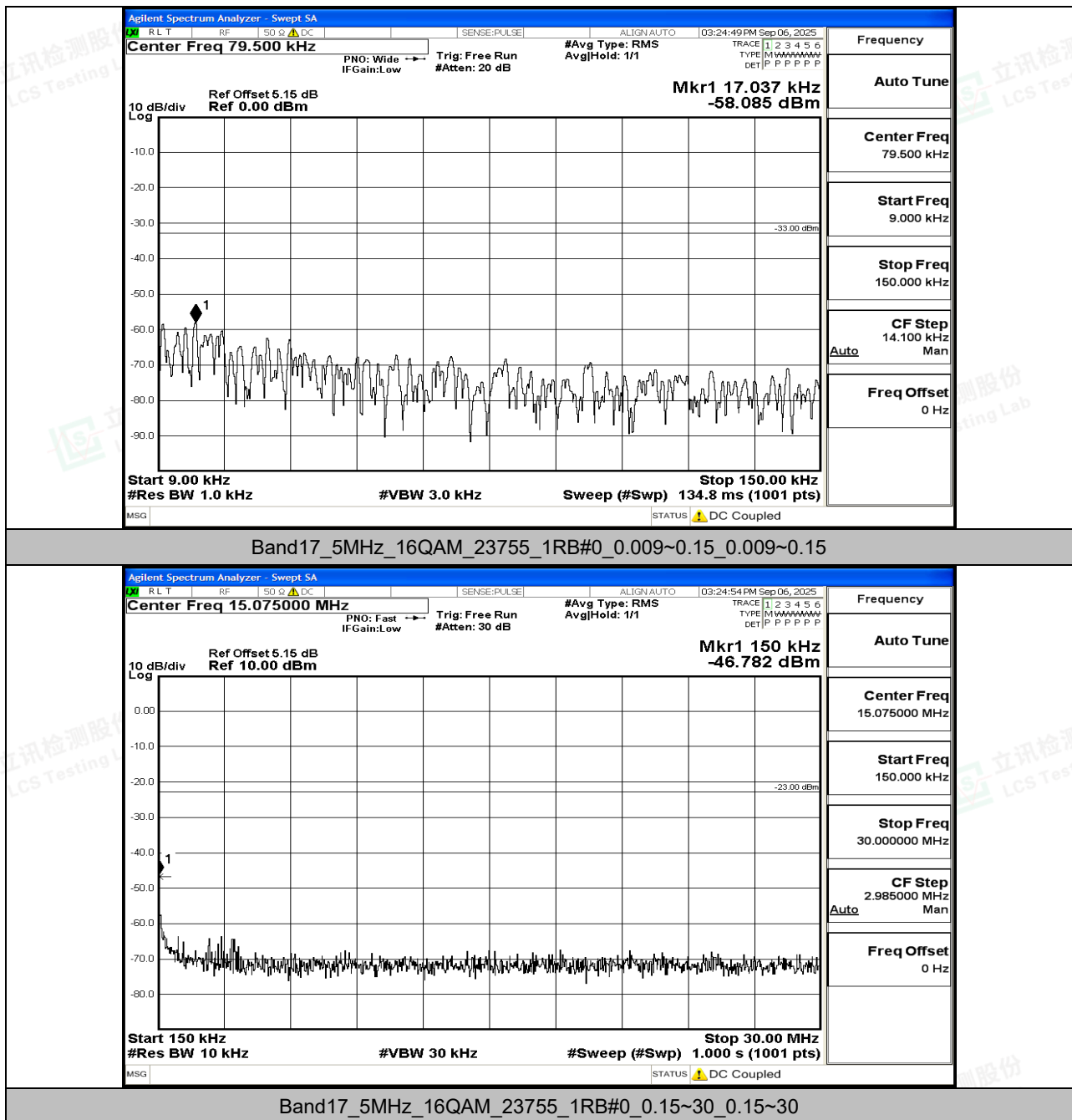


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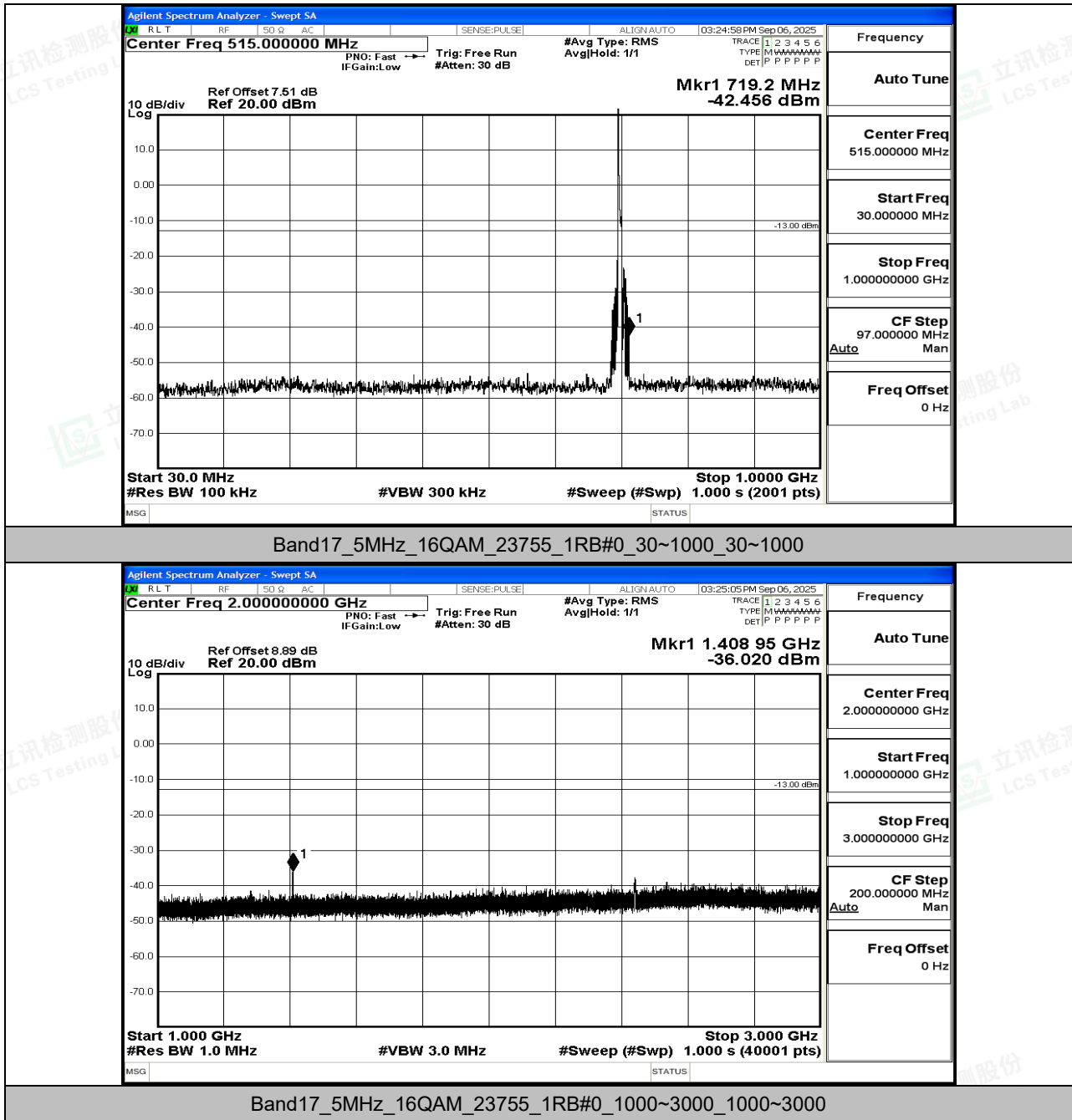


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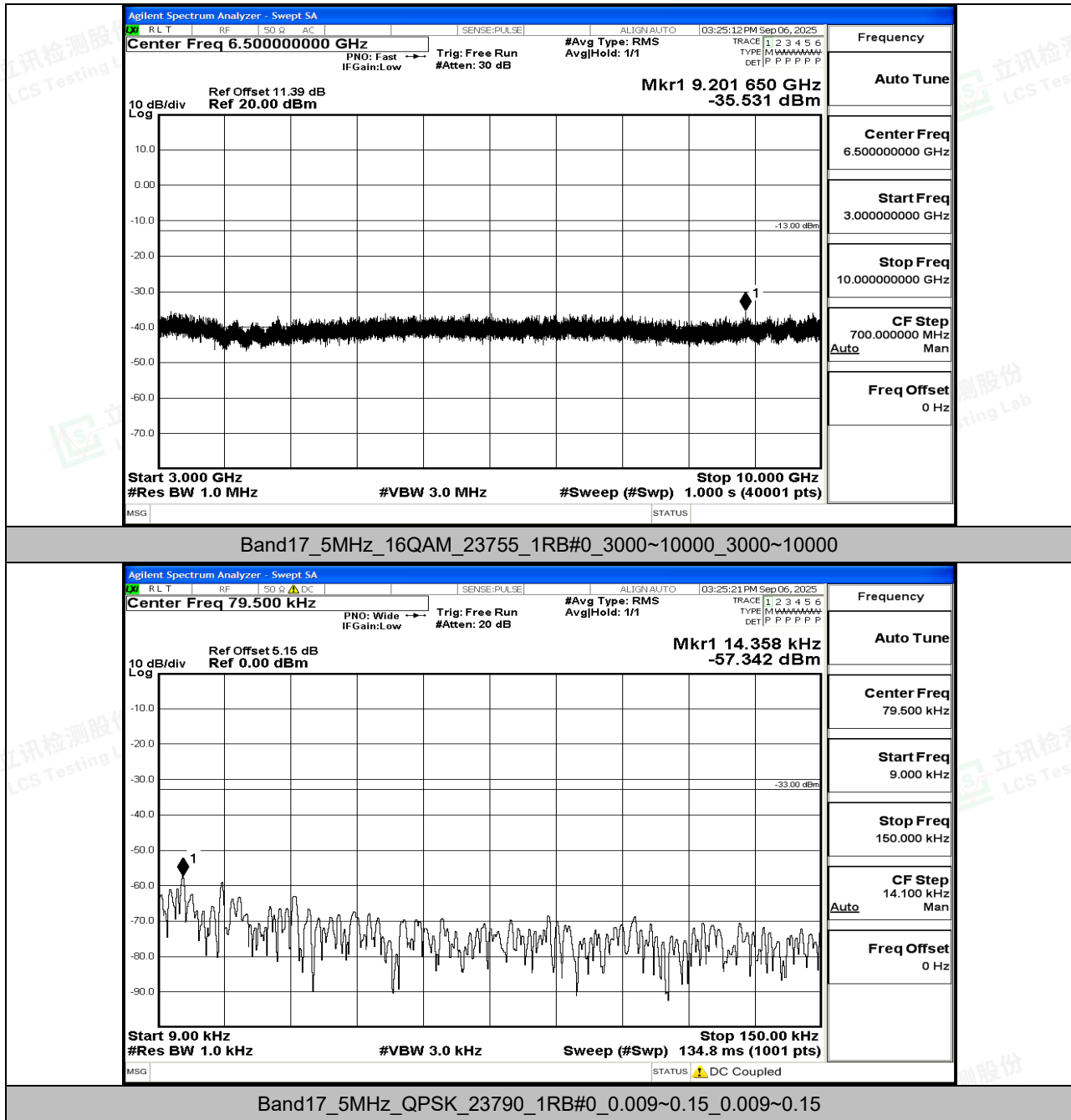


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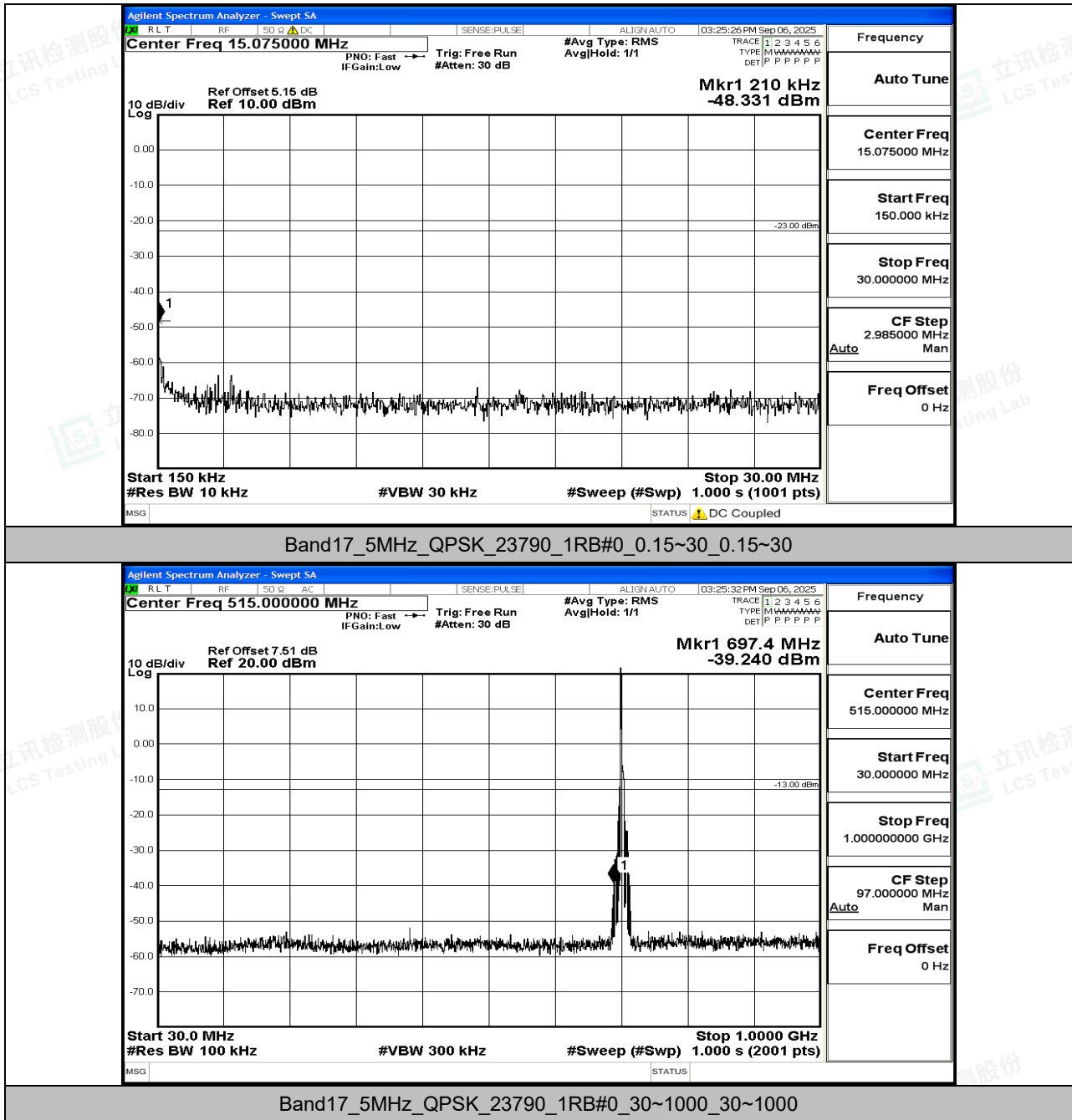


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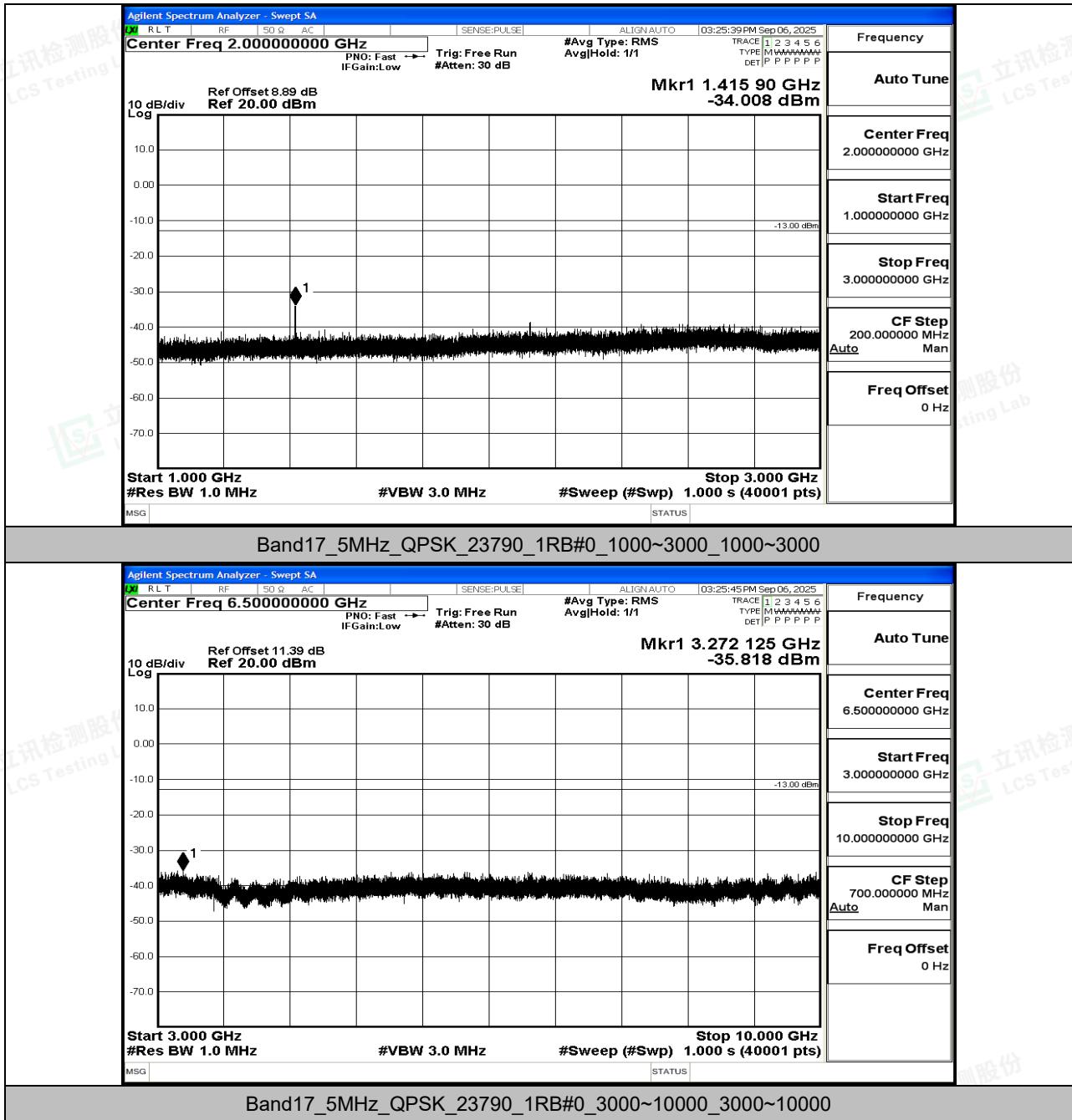


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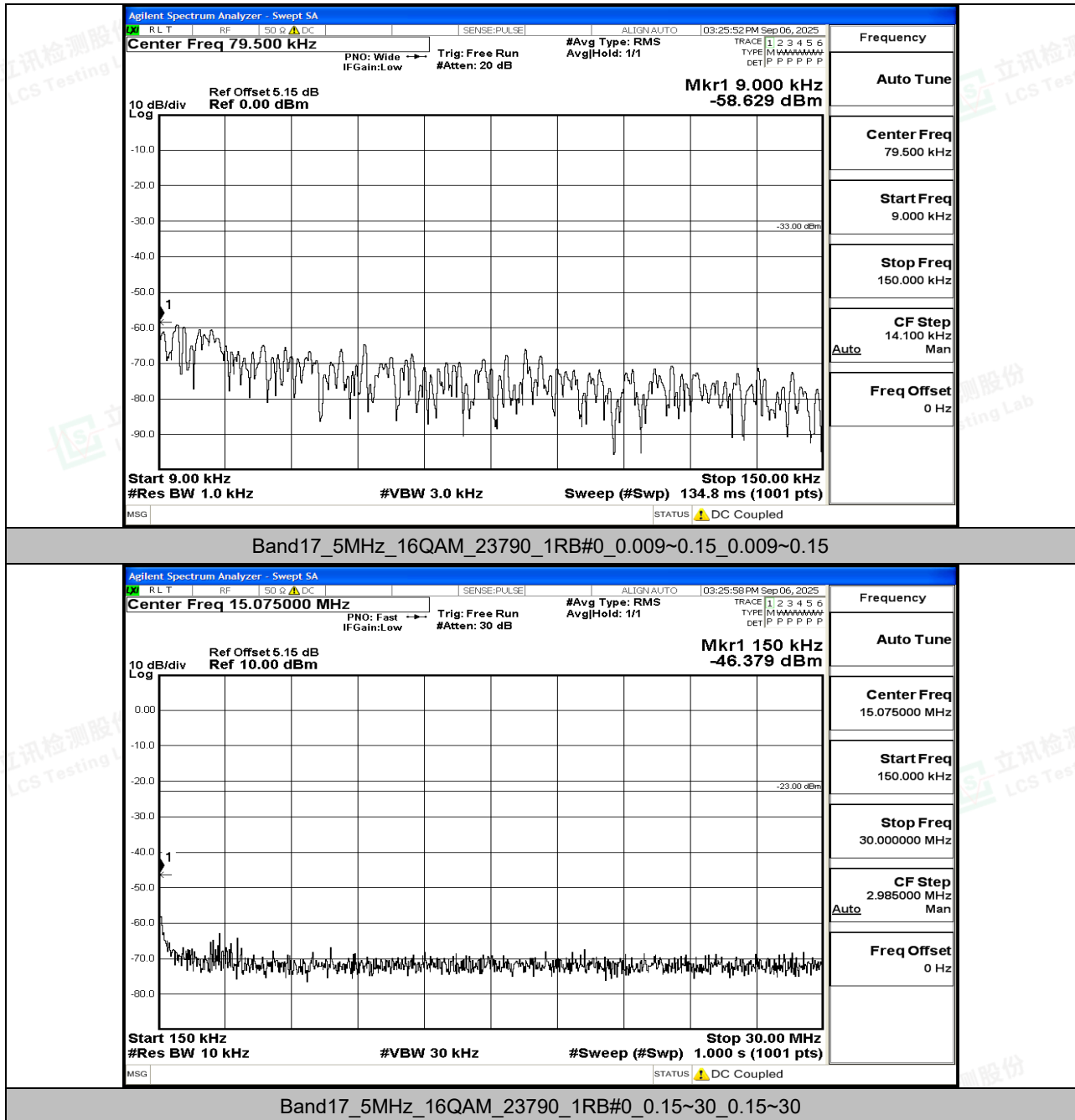


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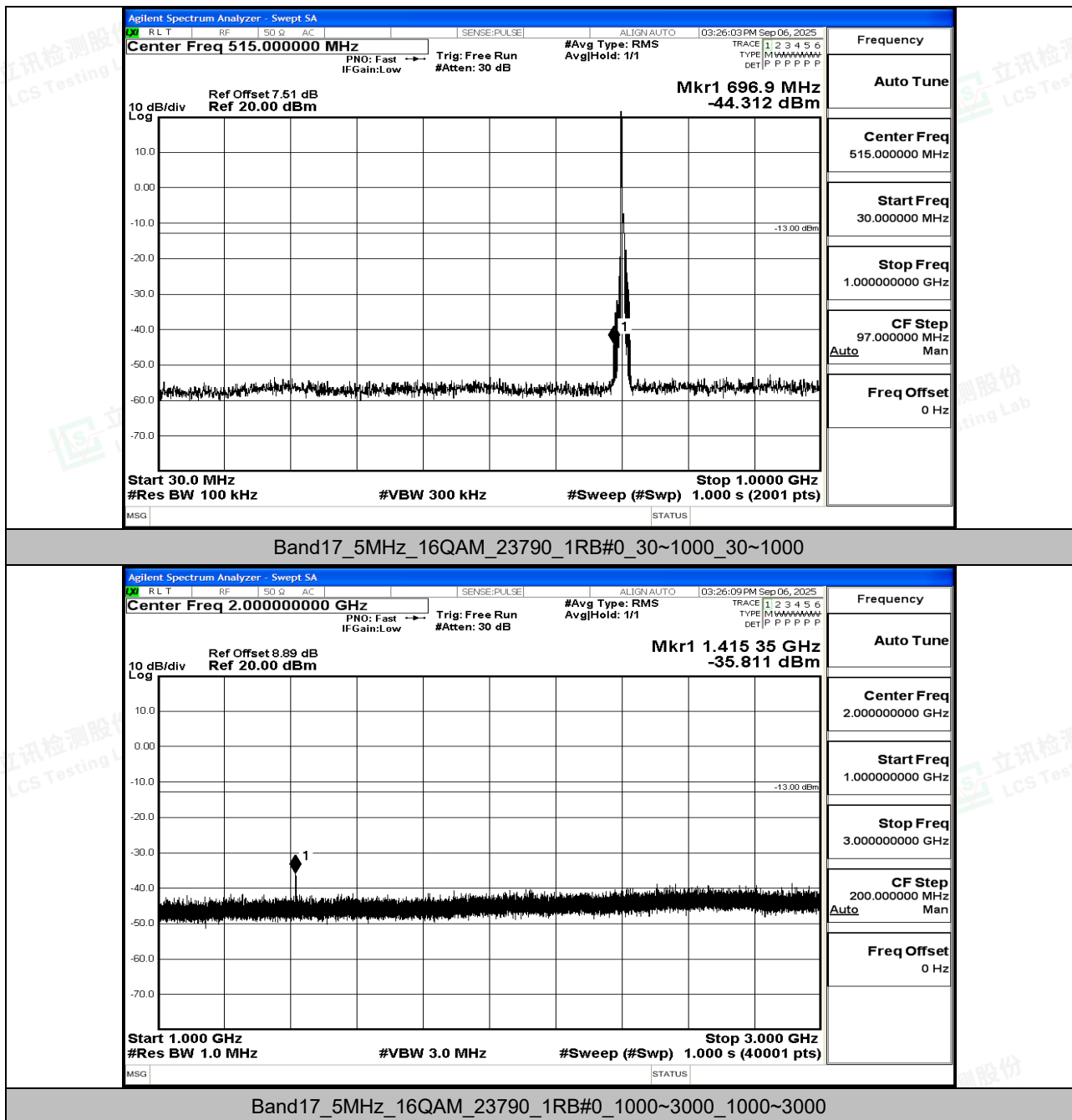


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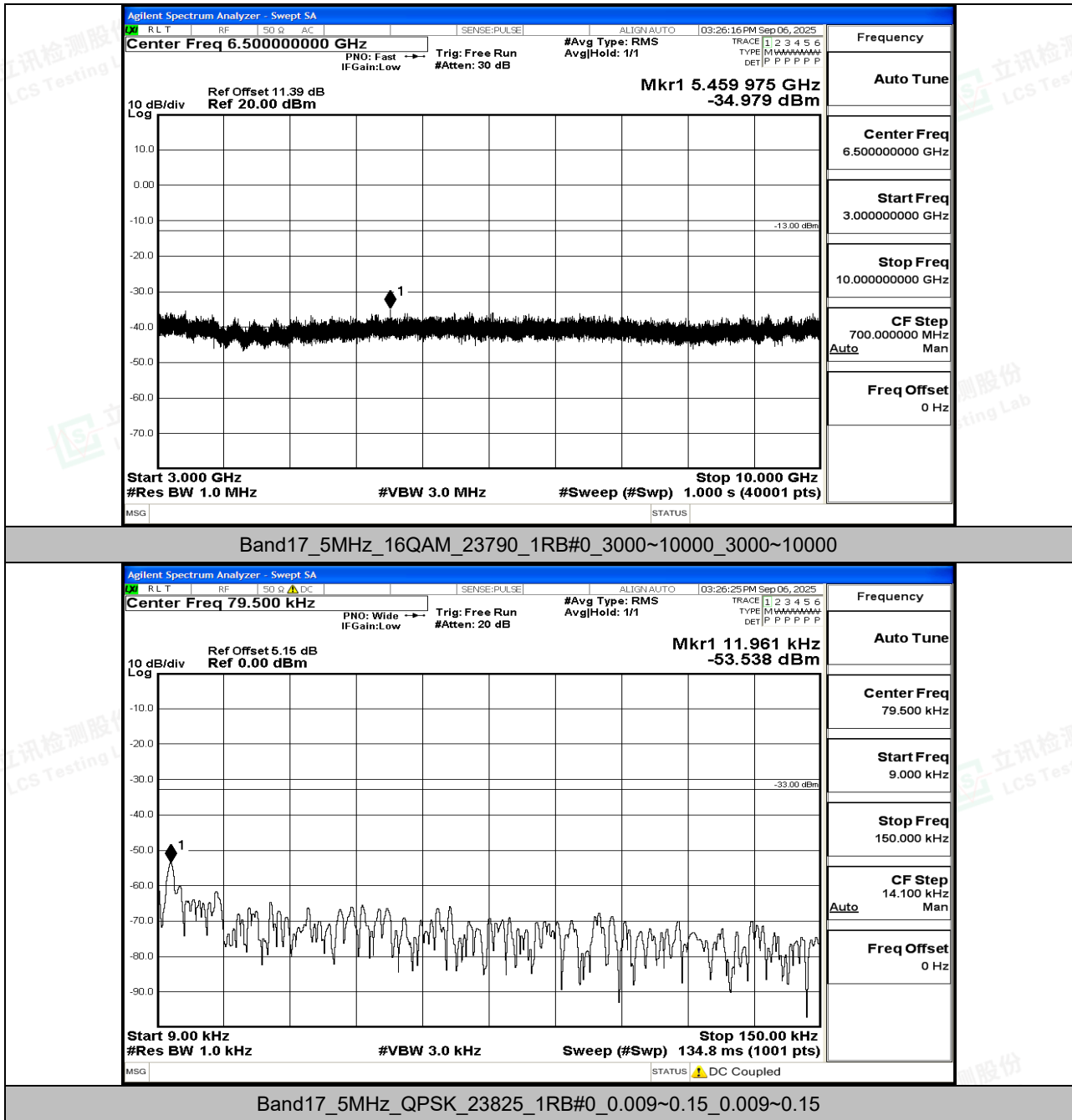


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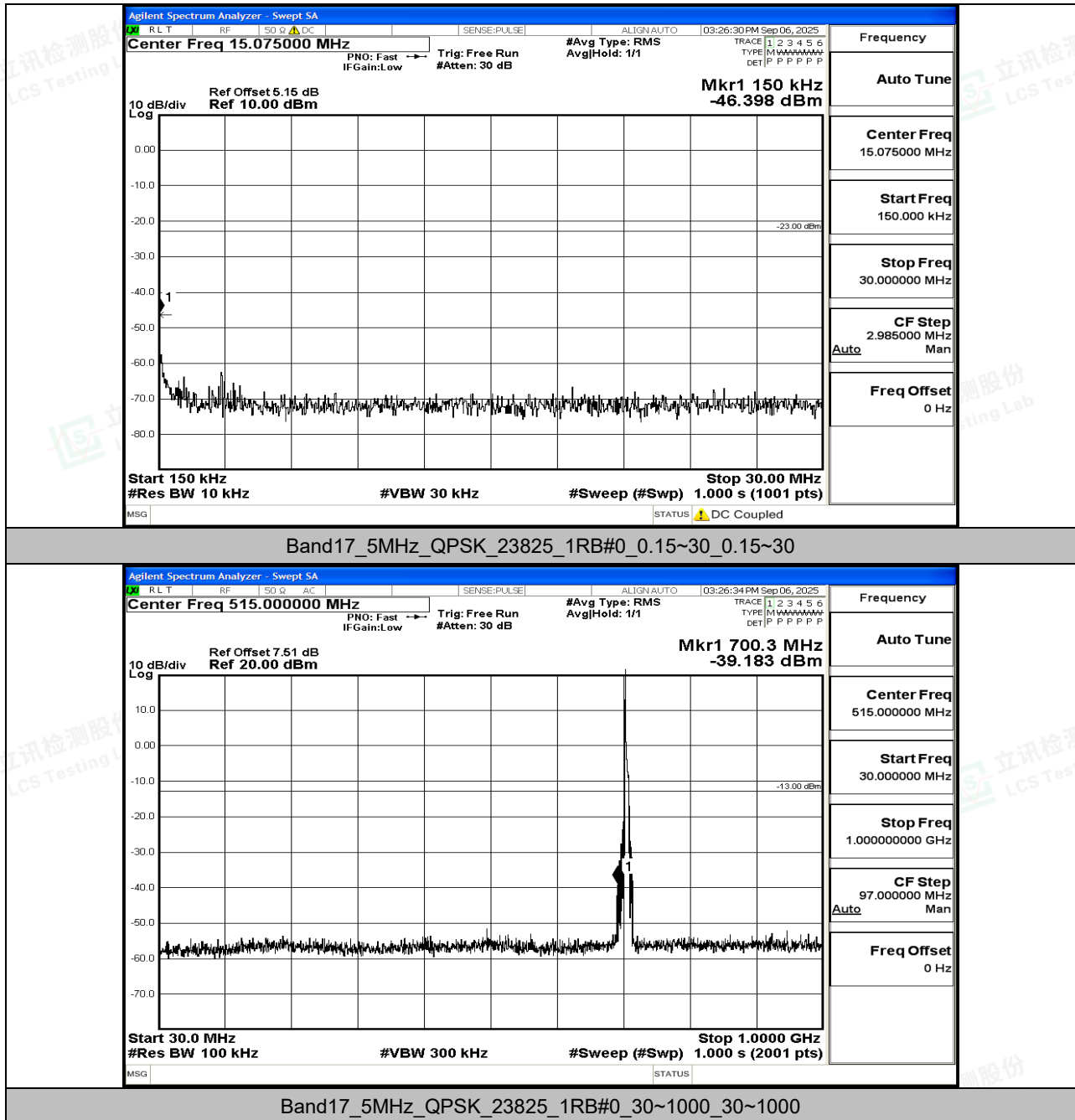


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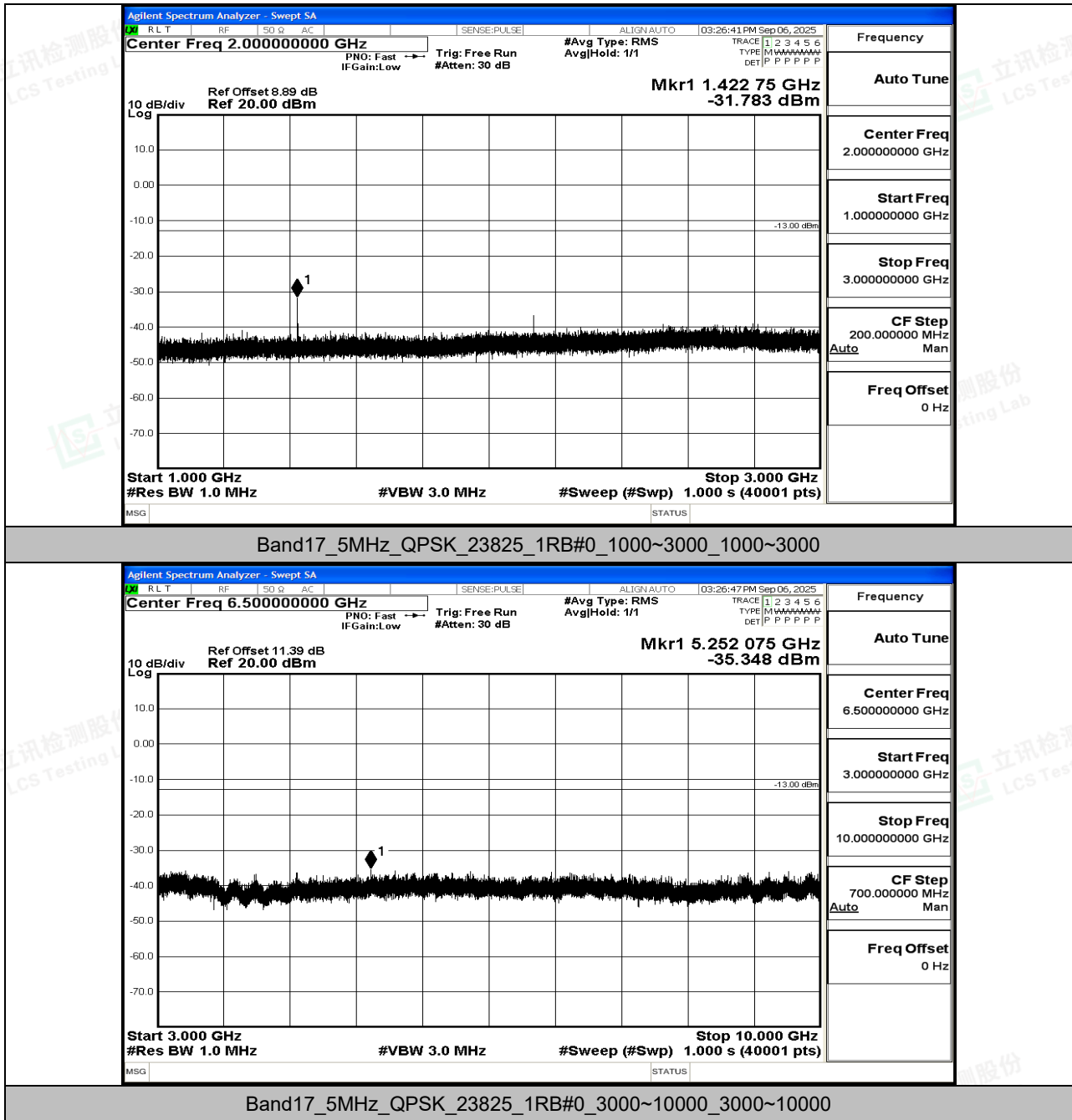


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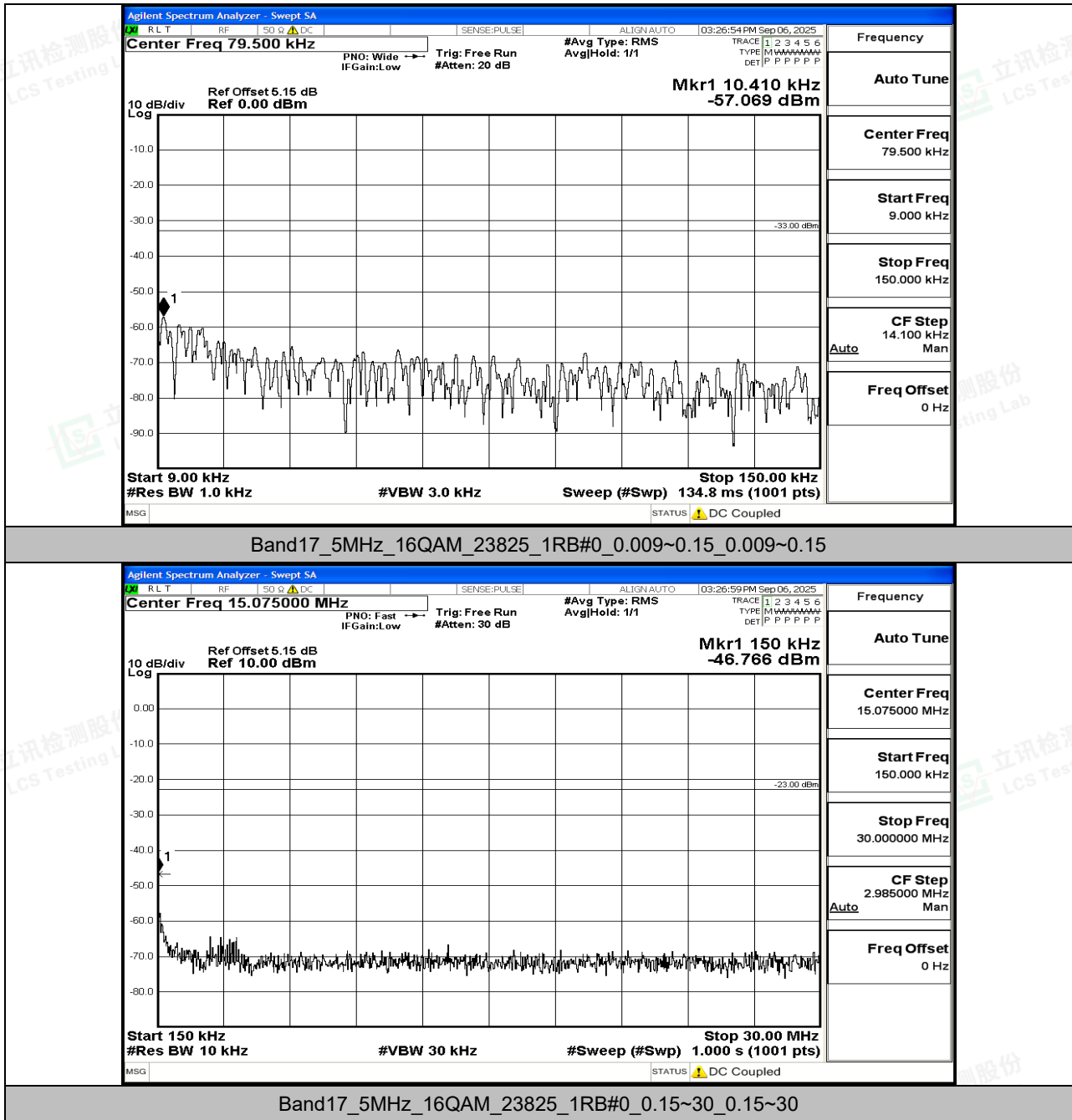


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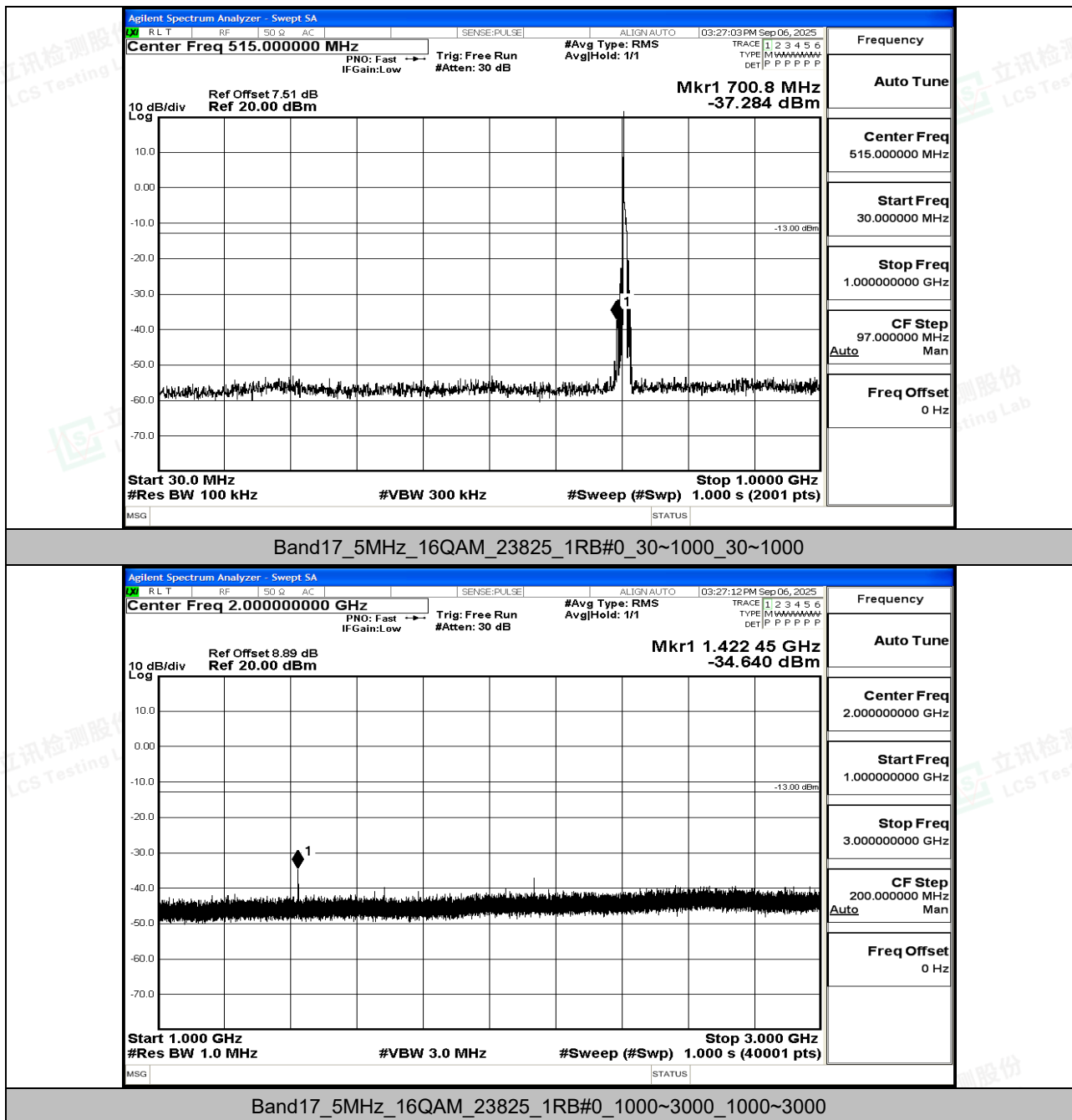


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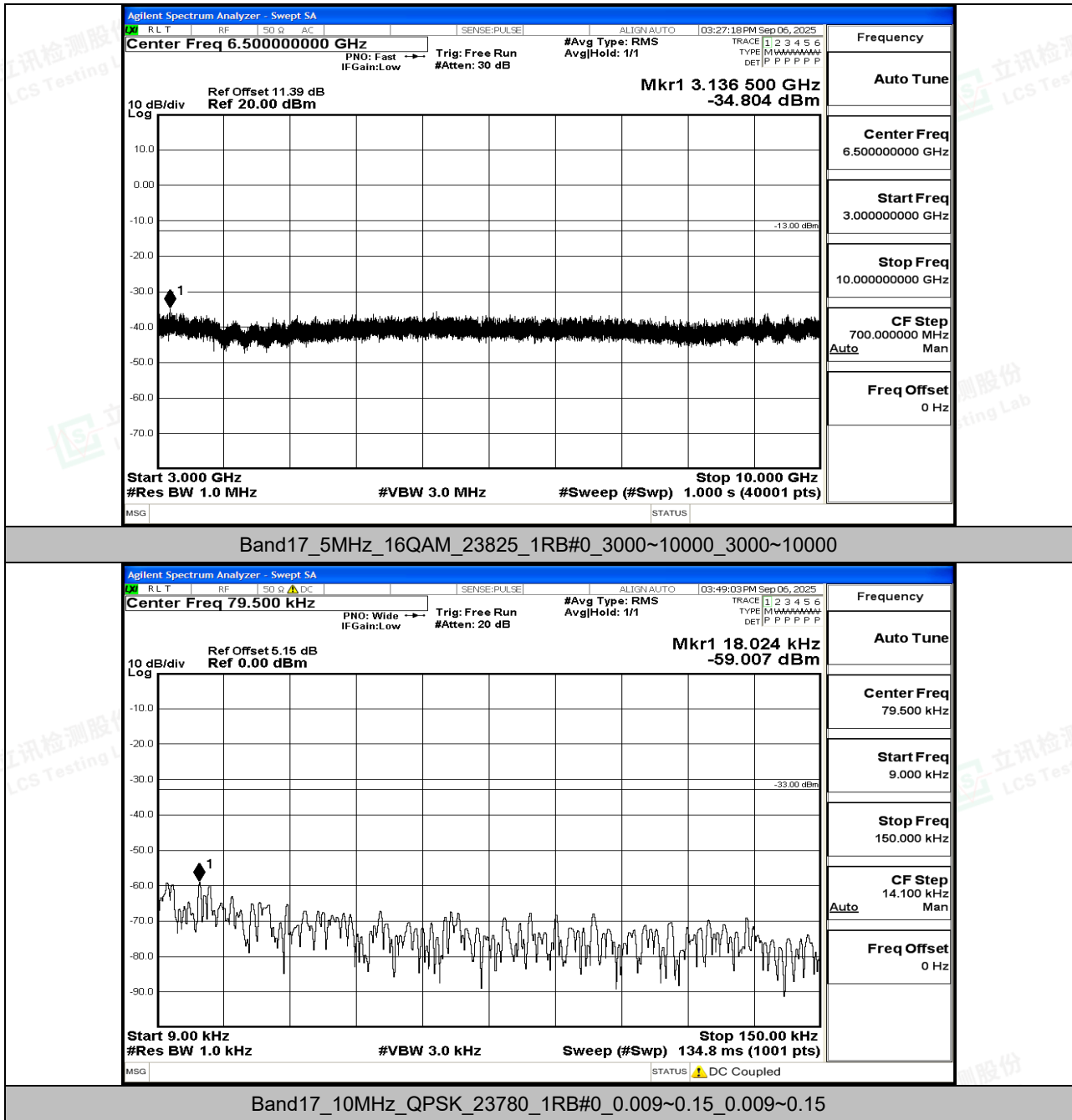


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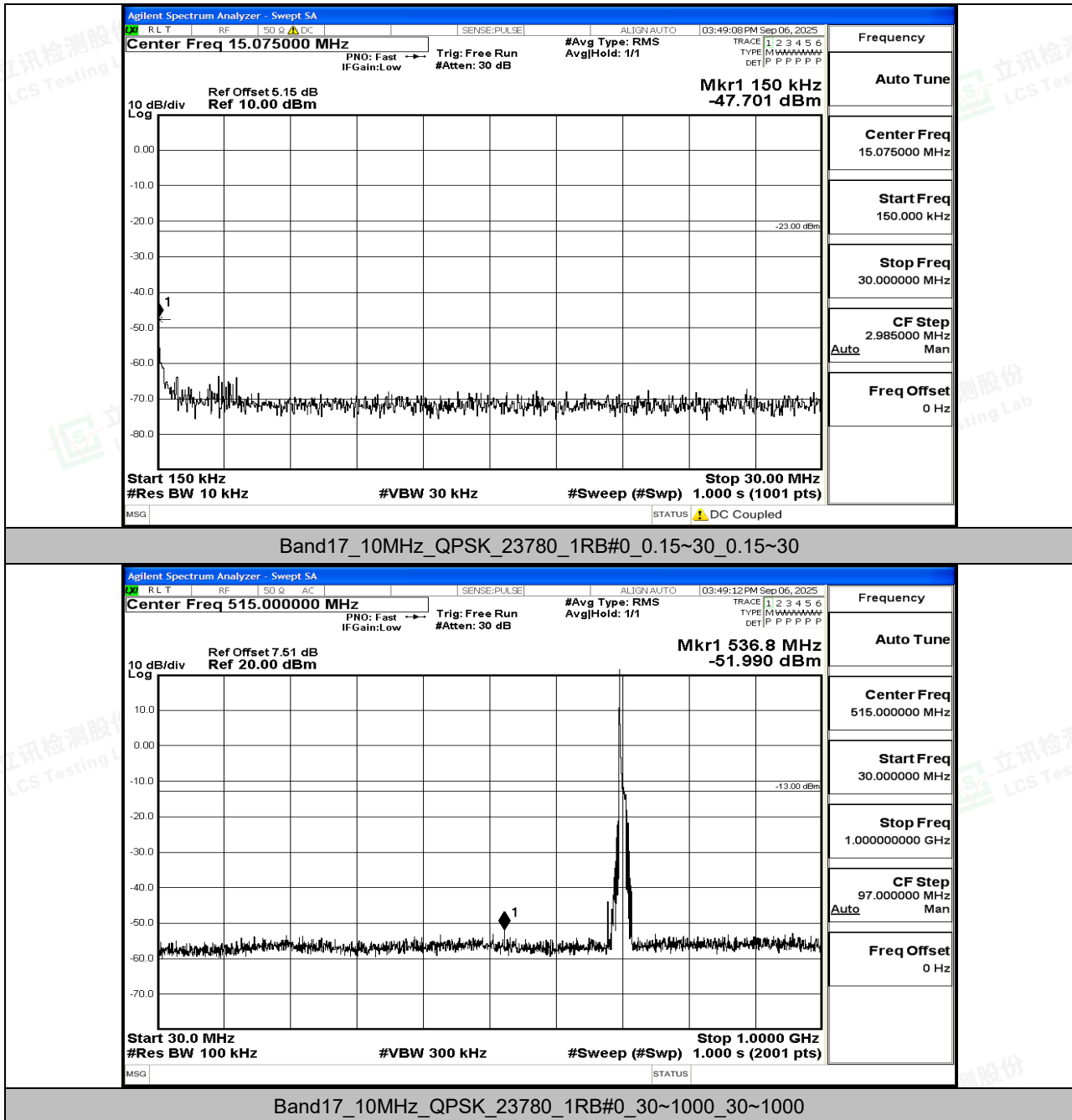


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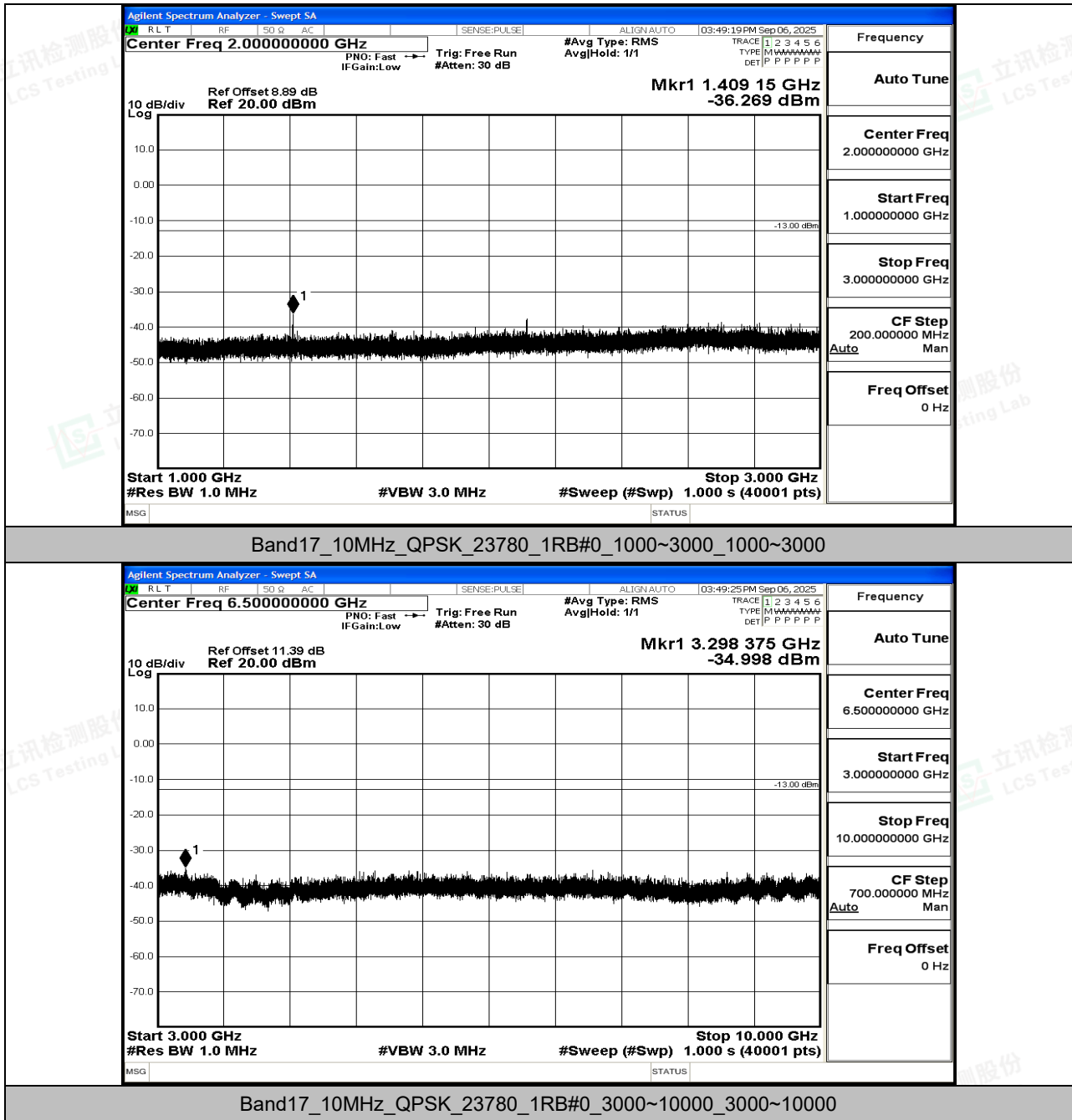


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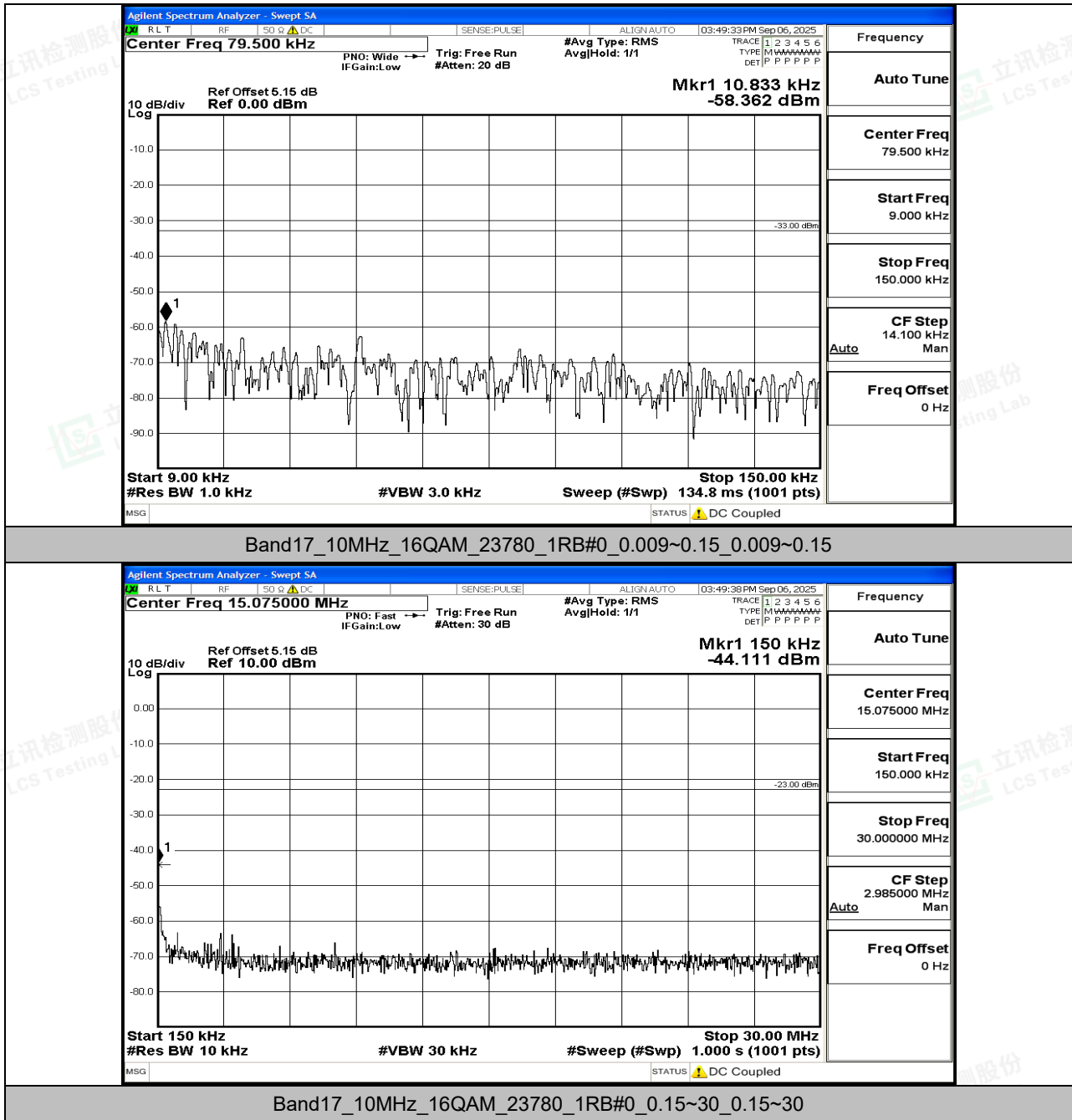


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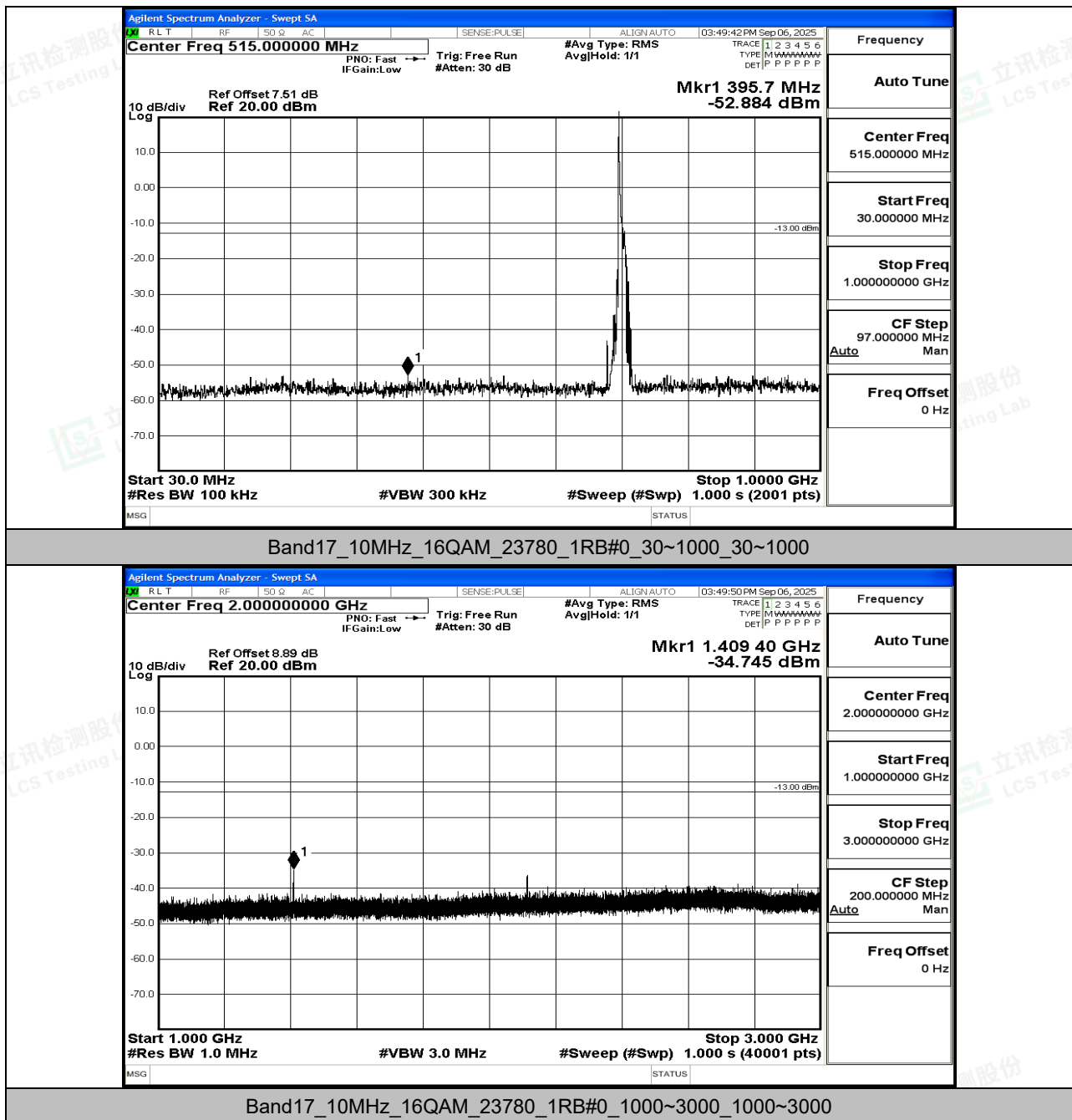


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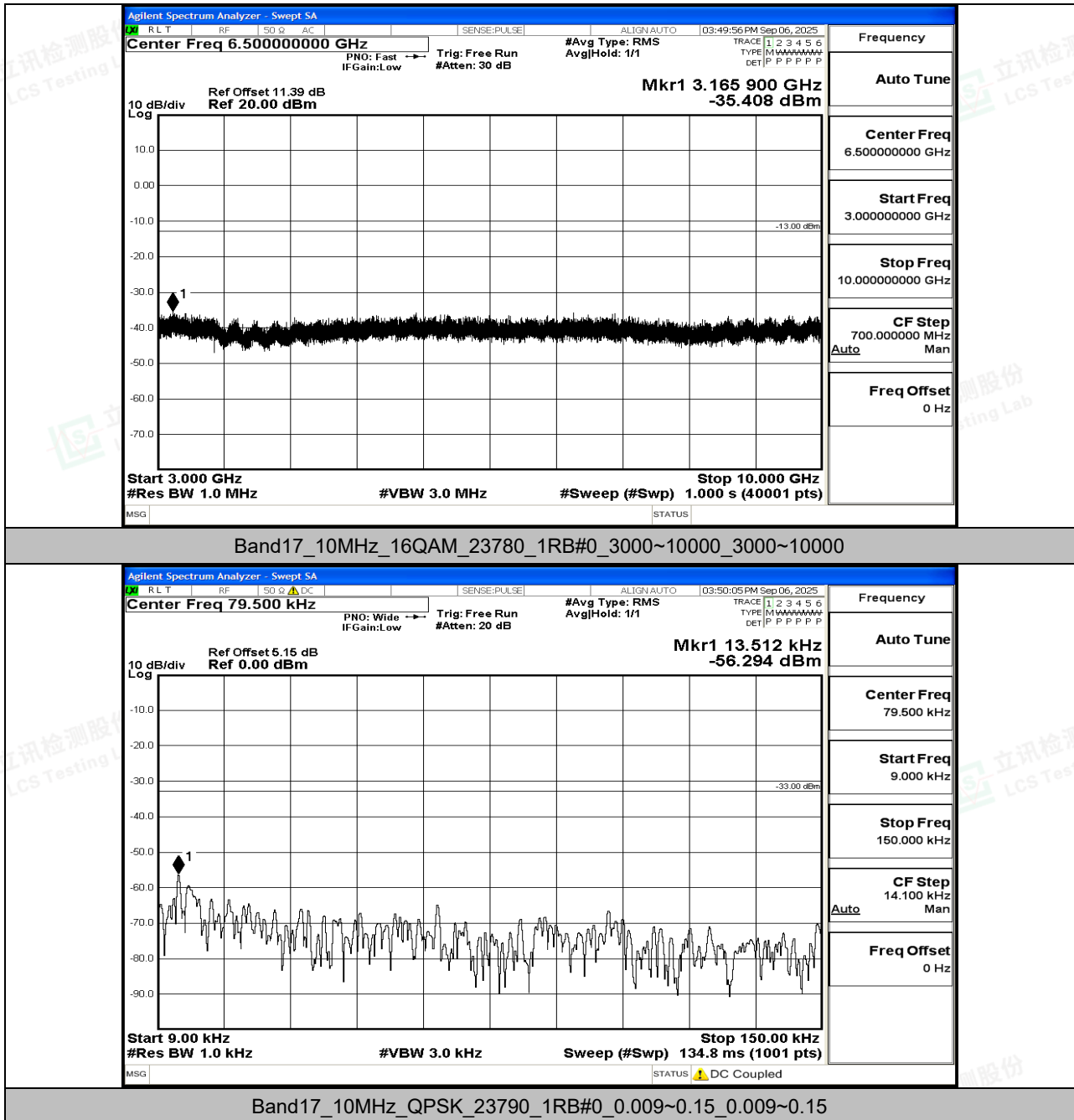


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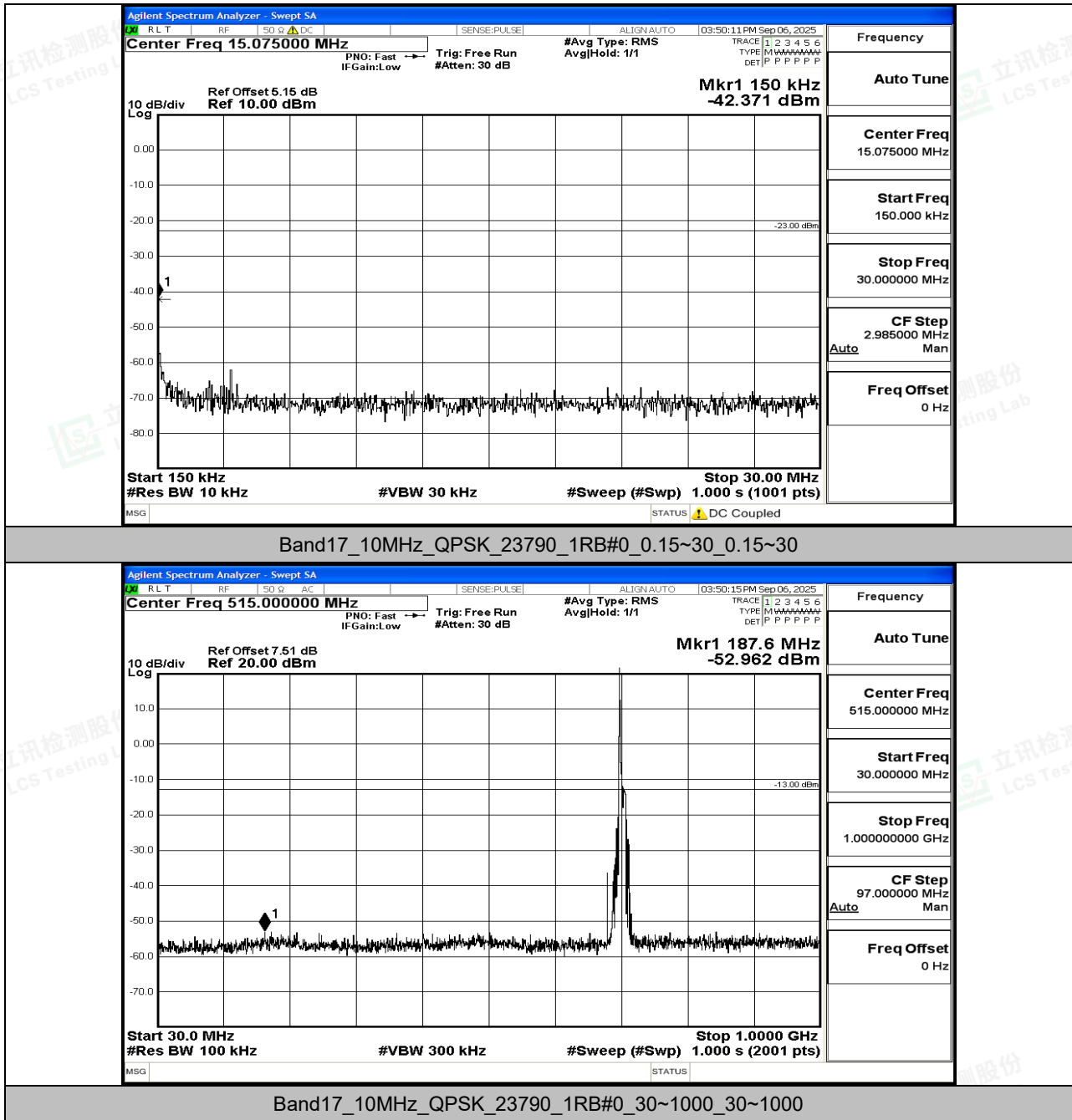


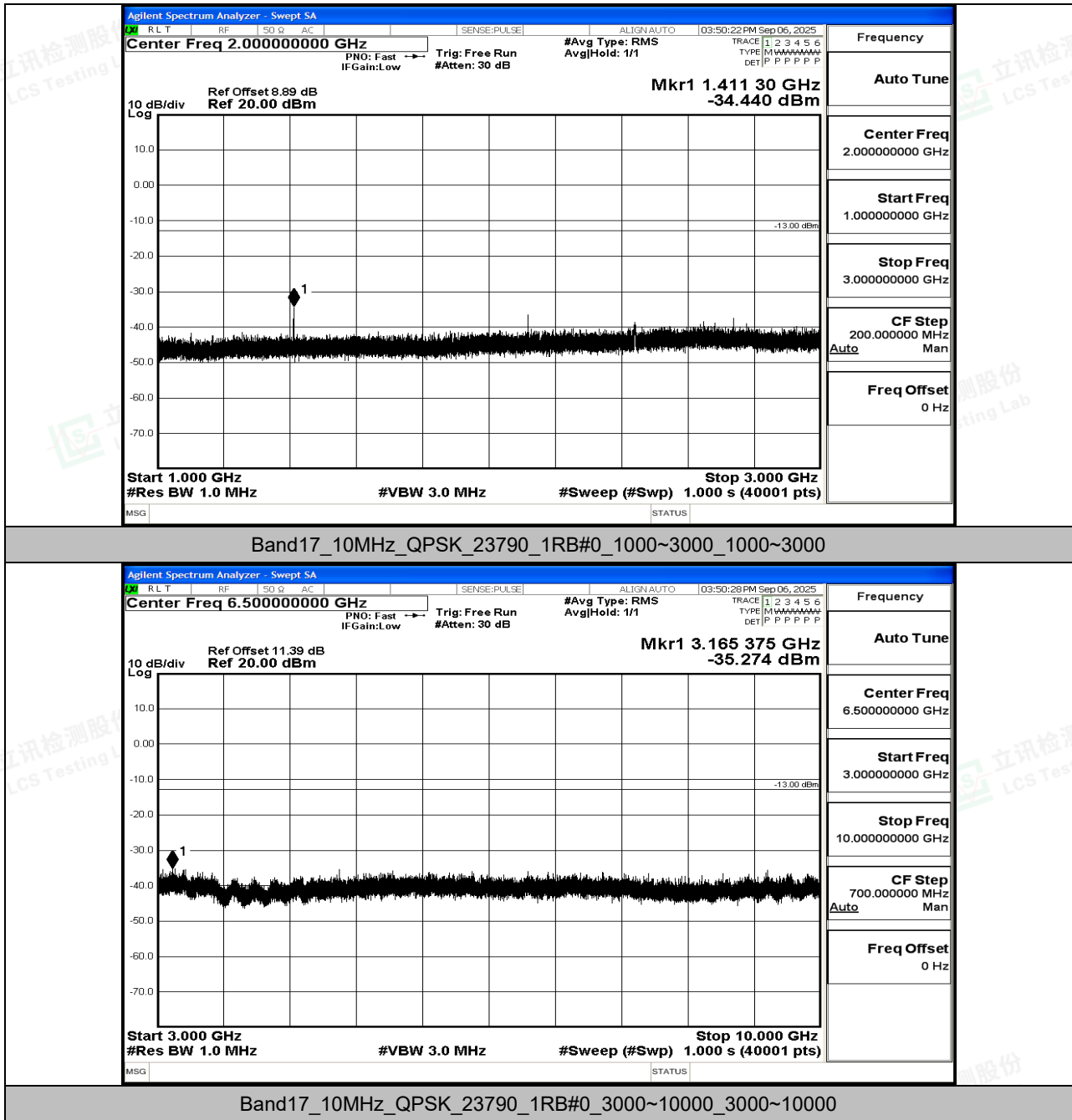
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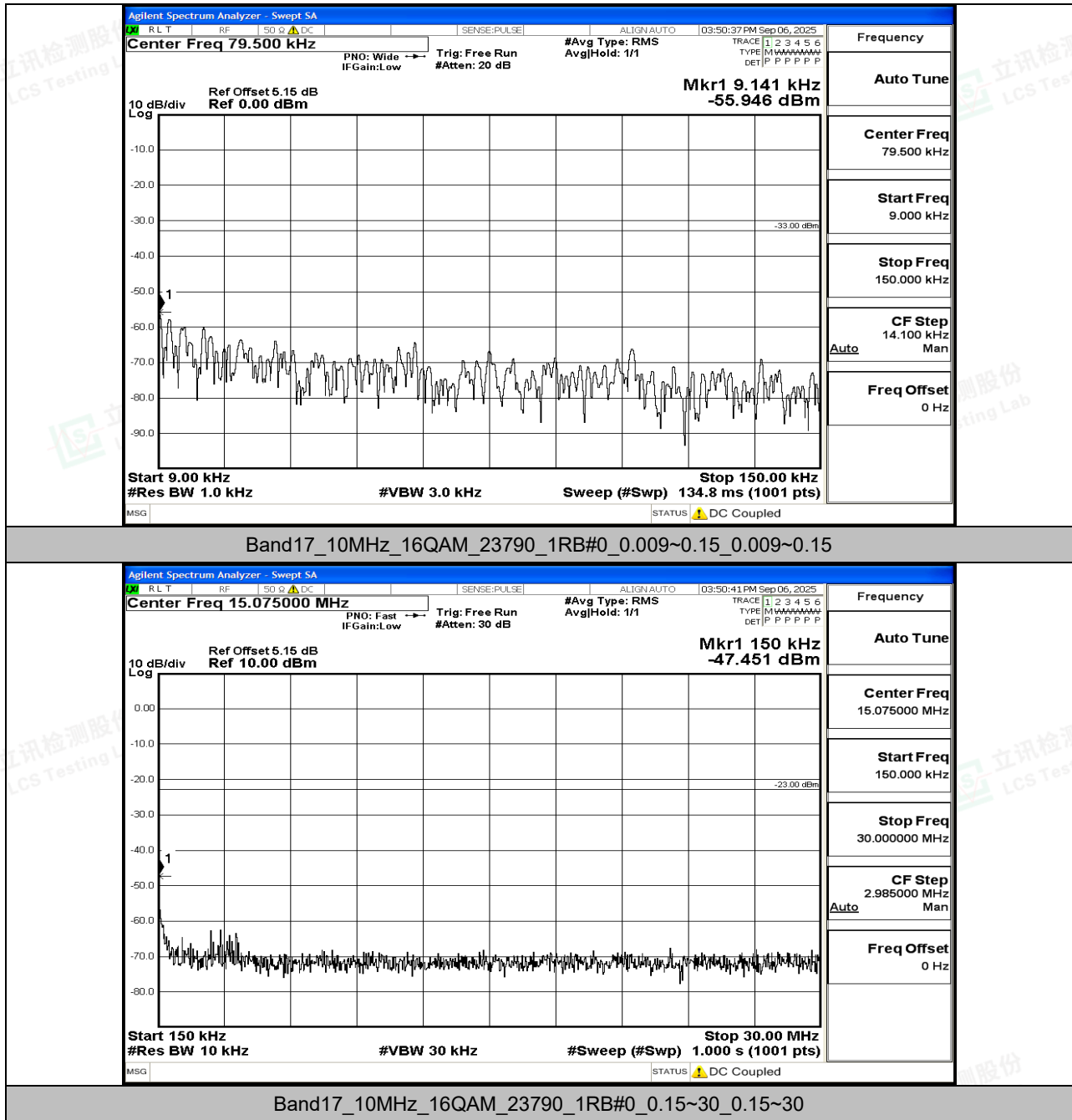


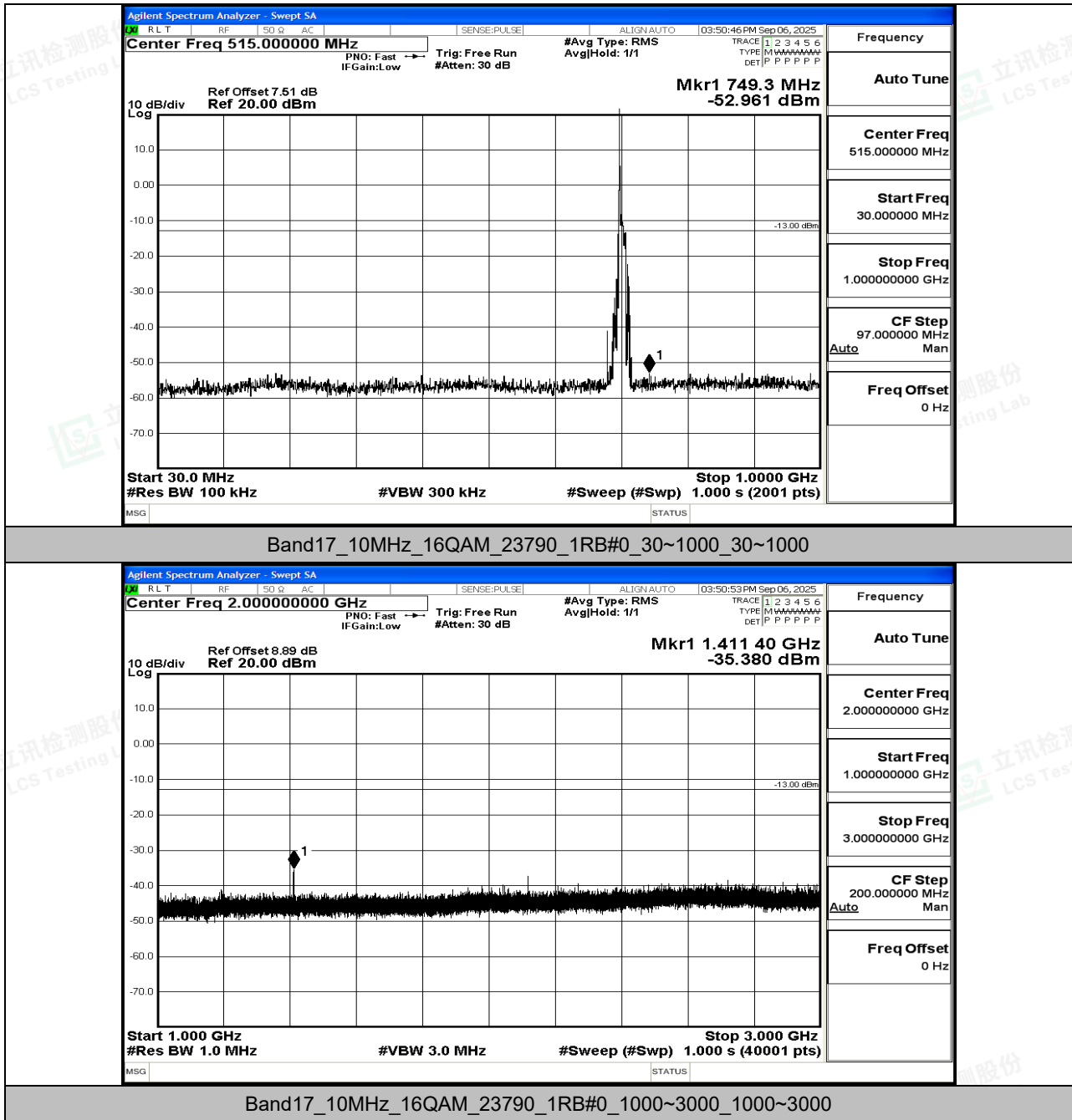
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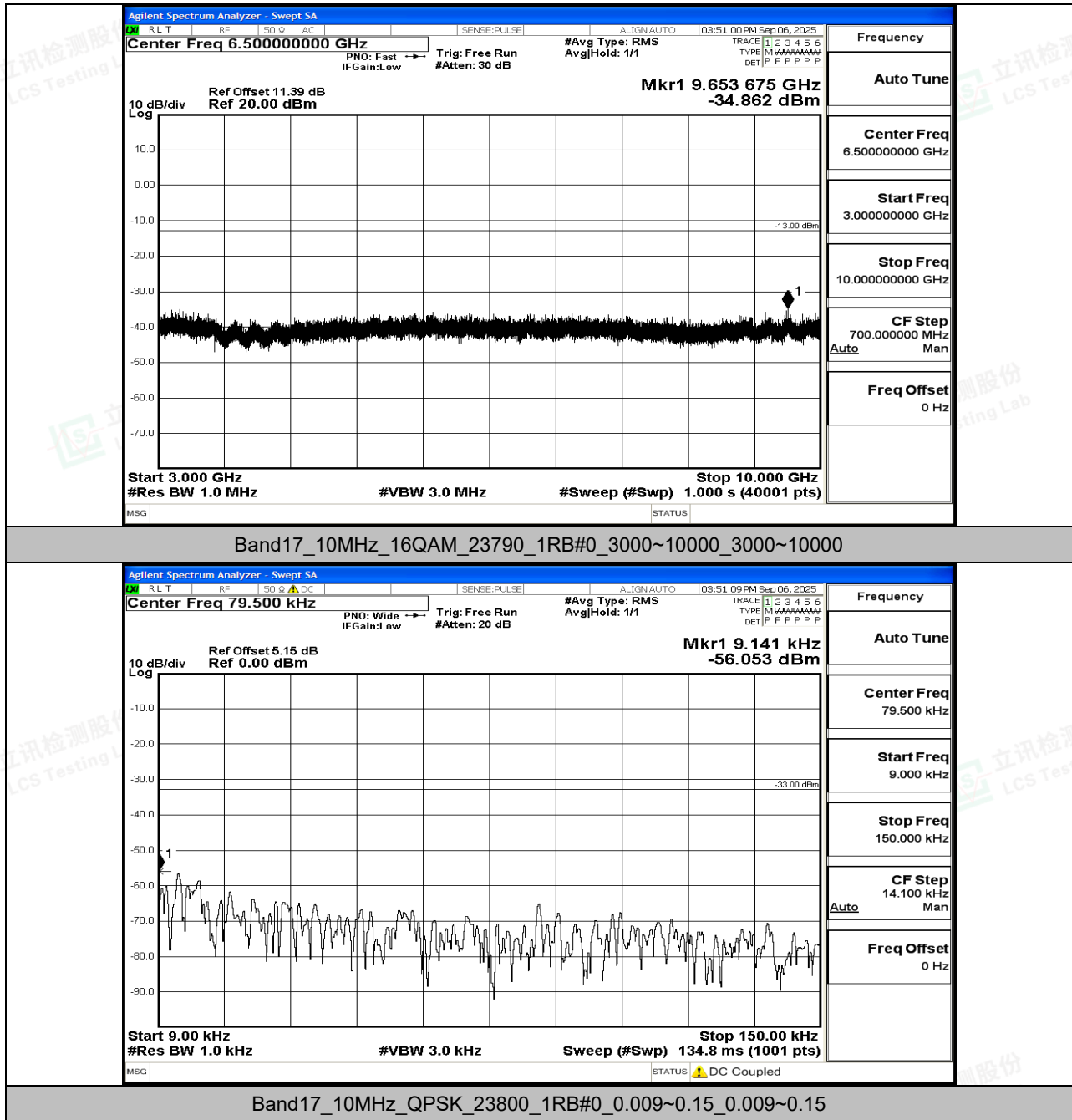


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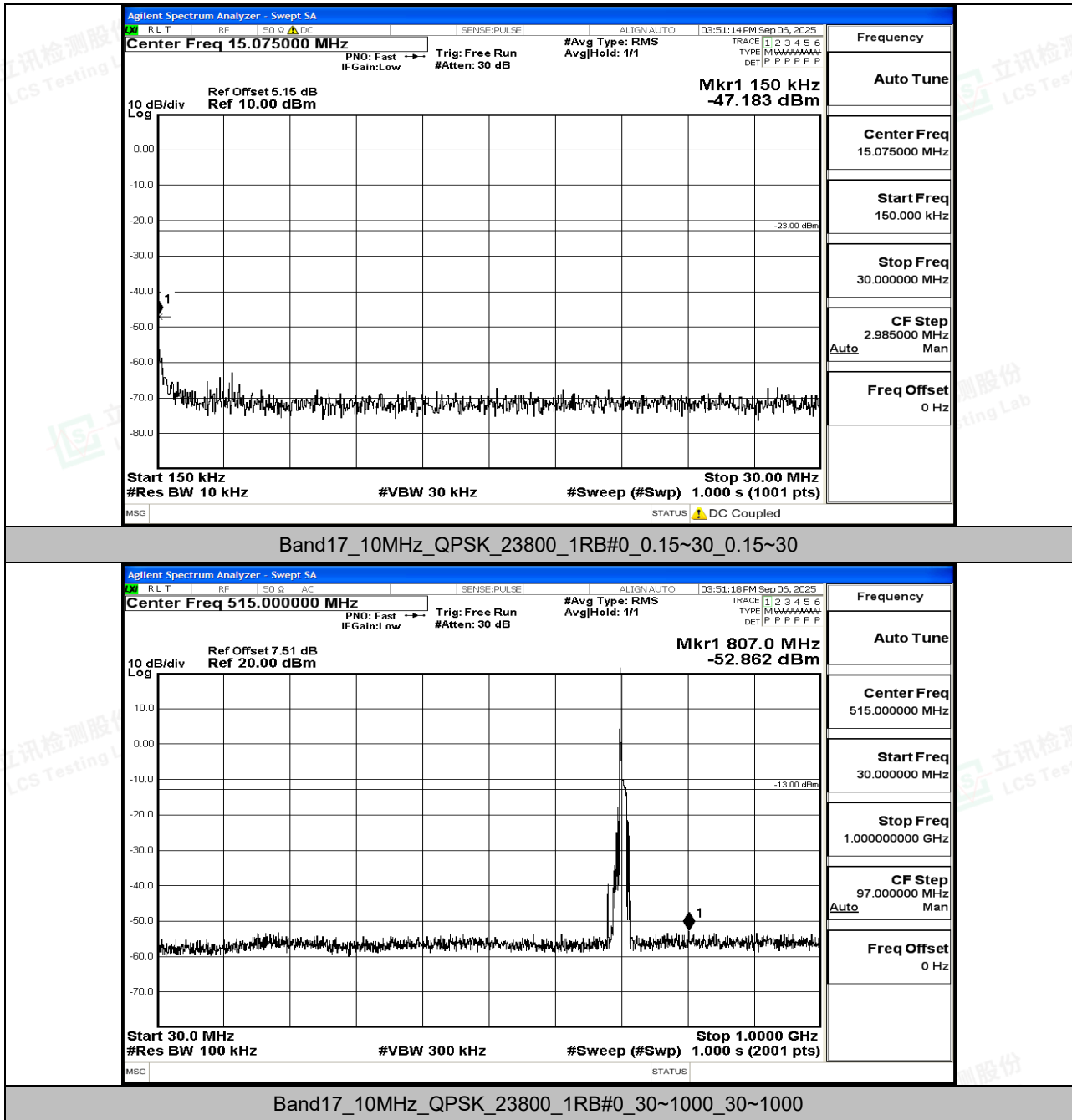


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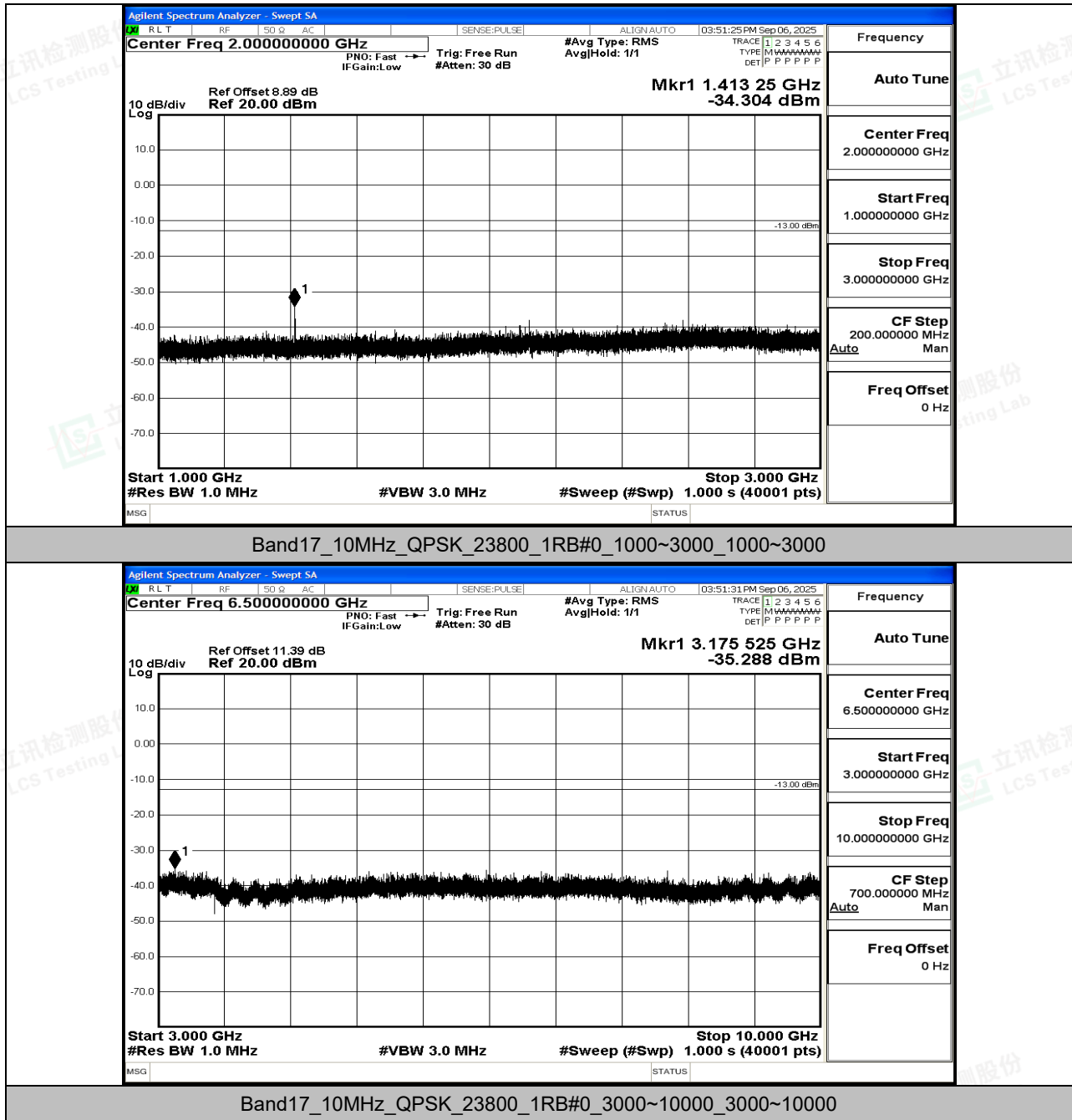


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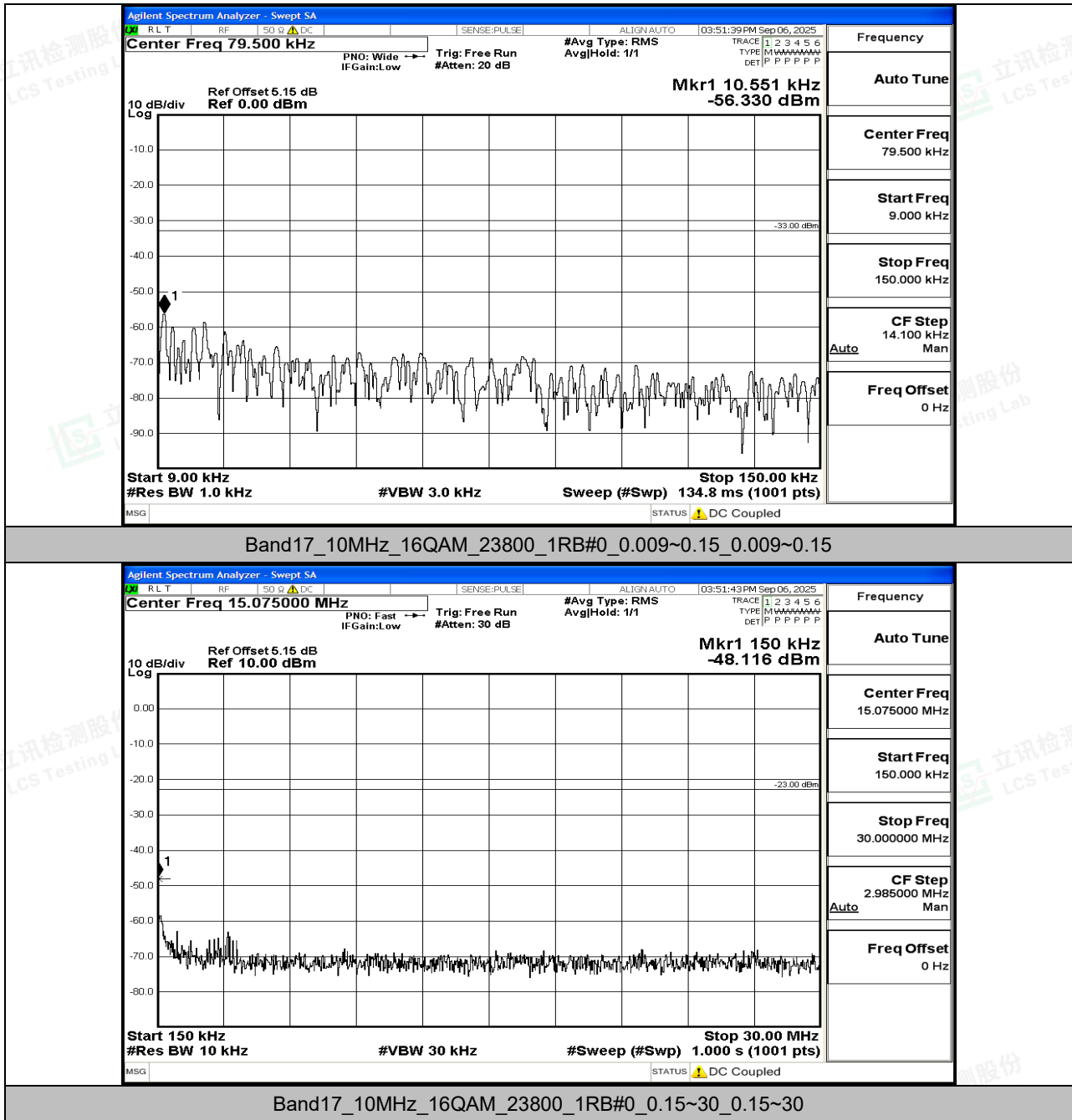


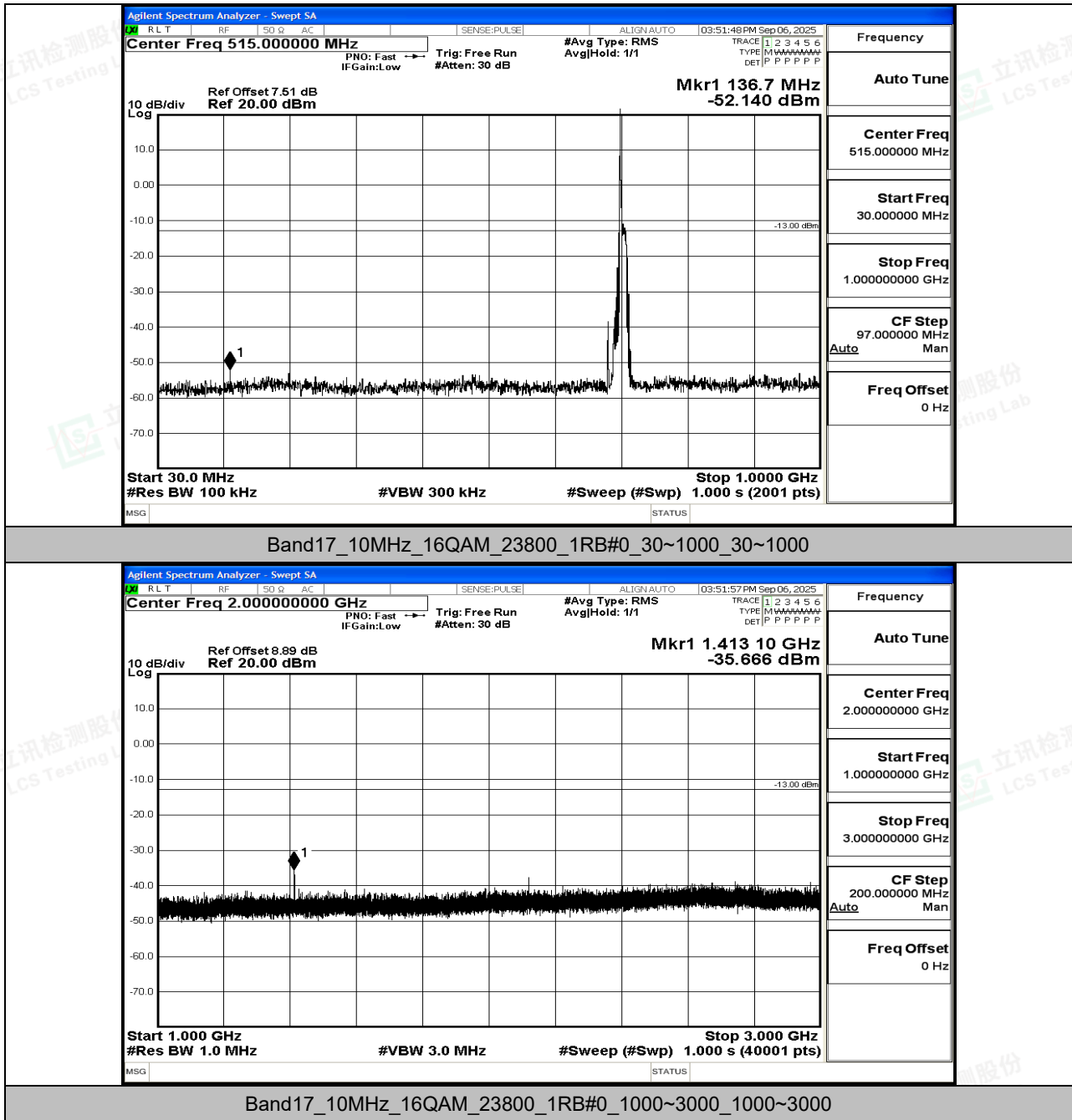
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