



Appendix K: Test Data for E-UTRA Band 17

Product Name: Smartphone

Test Model: CG65

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu



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K.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	22.93	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.27	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.85	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.22	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.62	PASS
Band17	5MHz	16QAM	23755	1RB#24	21.30	PASS
Band17	5MHz	QPSK	23755	12RB#0	21.84	PASS
Band17	5MHz	16QAM	23755	12RB#0	20.98	PASS
Band17	5MHz	QPSK	23755	12RB#6	21.82	PASS
Band17	5MHz	16QAM	23755	12RB#6	20.96	PASS
Band17	5MHz	QPSK	23755	12RB#13	21.71	PASS
Band17	5MHz	16QAM	23755	12RB#13	20.98	PASS
Band17	5MHz	QPSK	23755	25RB#0	21.82	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.06	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.50	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.12	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.55	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.00	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.41	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.08	PASS
Band17	5MHz	QPSK	23790	12RB#0	21.76	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.01	PASS
Band17	5MHz	QPSK	23790	12RB#6	21.75	PASS
Band17	5MHz	16QAM	23790	12RB#6	20.99	PASS
Band17	5MHz	QPSK	23790	12RB#13	21.73	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.00	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.84	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.99	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.52	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.61	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.49	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.62	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.85	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.74	PASS
Band17	5MHz	QPSK	23825	12RB#0	21.82	PASS
Band17	5MHz	16QAM	23825	12RB#0	20.88	PASS



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Band17	5MHz	QPSK	23825	12RB#6	21.79	PASS
Band17	5MHz	16QAM	23825	12RB#6	20.93	PASS
Band17	5MHz	QPSK	23825	12RB#13	21.74	PASS
Band17	5MHz	16QAM	23825	12RB#13	20.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.72	PASS
Band17	5MHz	16QAM	23825	25RB#0	20.94	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.79	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.28	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.65	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.02	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.67	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.73	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.86	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.11	PASS
Band17	10MHz	QPSK	23780	25RB#12	21.87	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.11	PASS
Band17	10MHz	QPSK	23780	25RB#25	21.86	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.09	PASS
Band17	10MHz	QPSK	23780	50RB#0	21.86	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.12	PASS





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

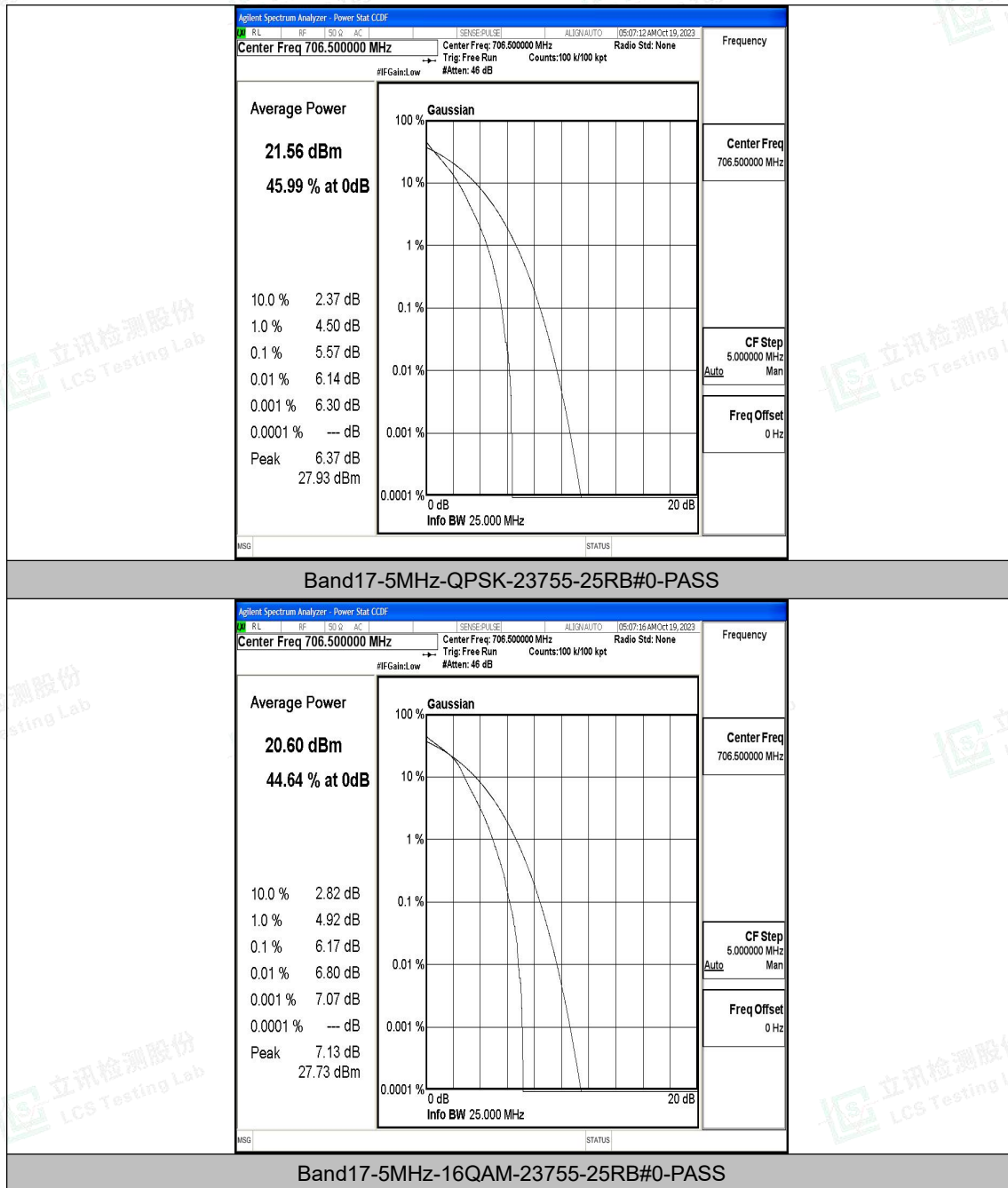
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.57	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.17	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.41	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.20	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.54	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.31	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.53	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.26	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.49	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.23	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.46	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.26	13	PASS





Test Graphs

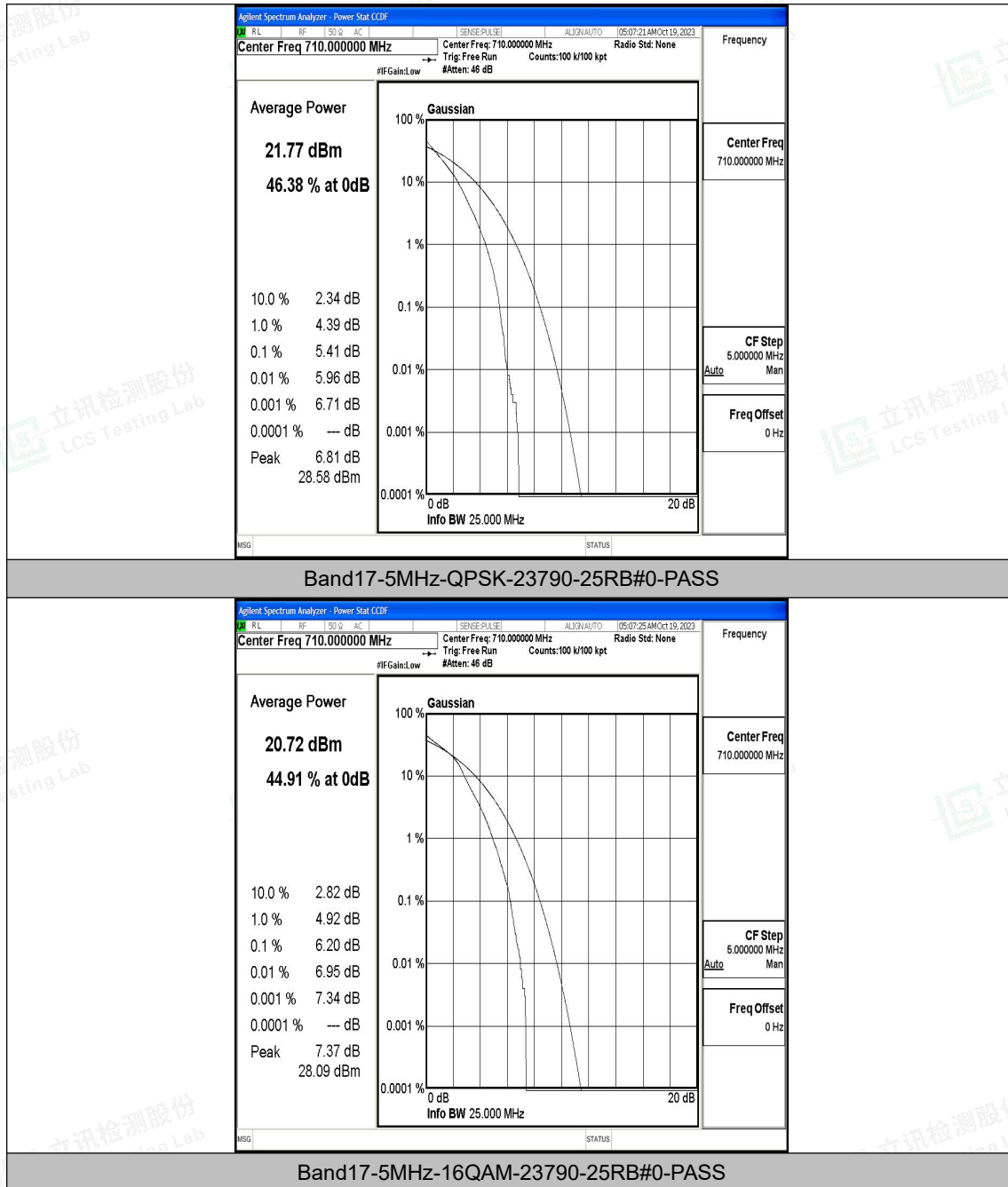


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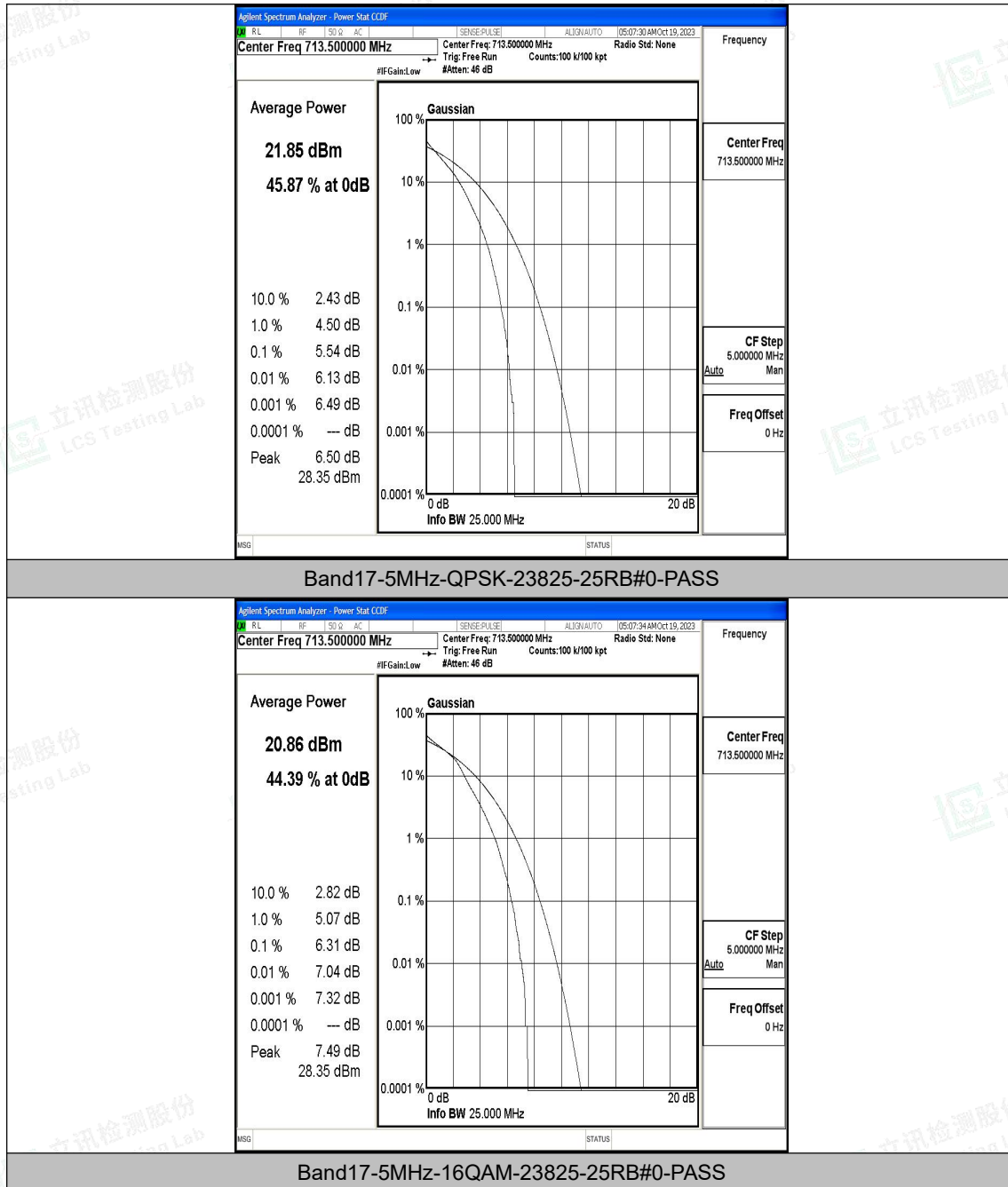


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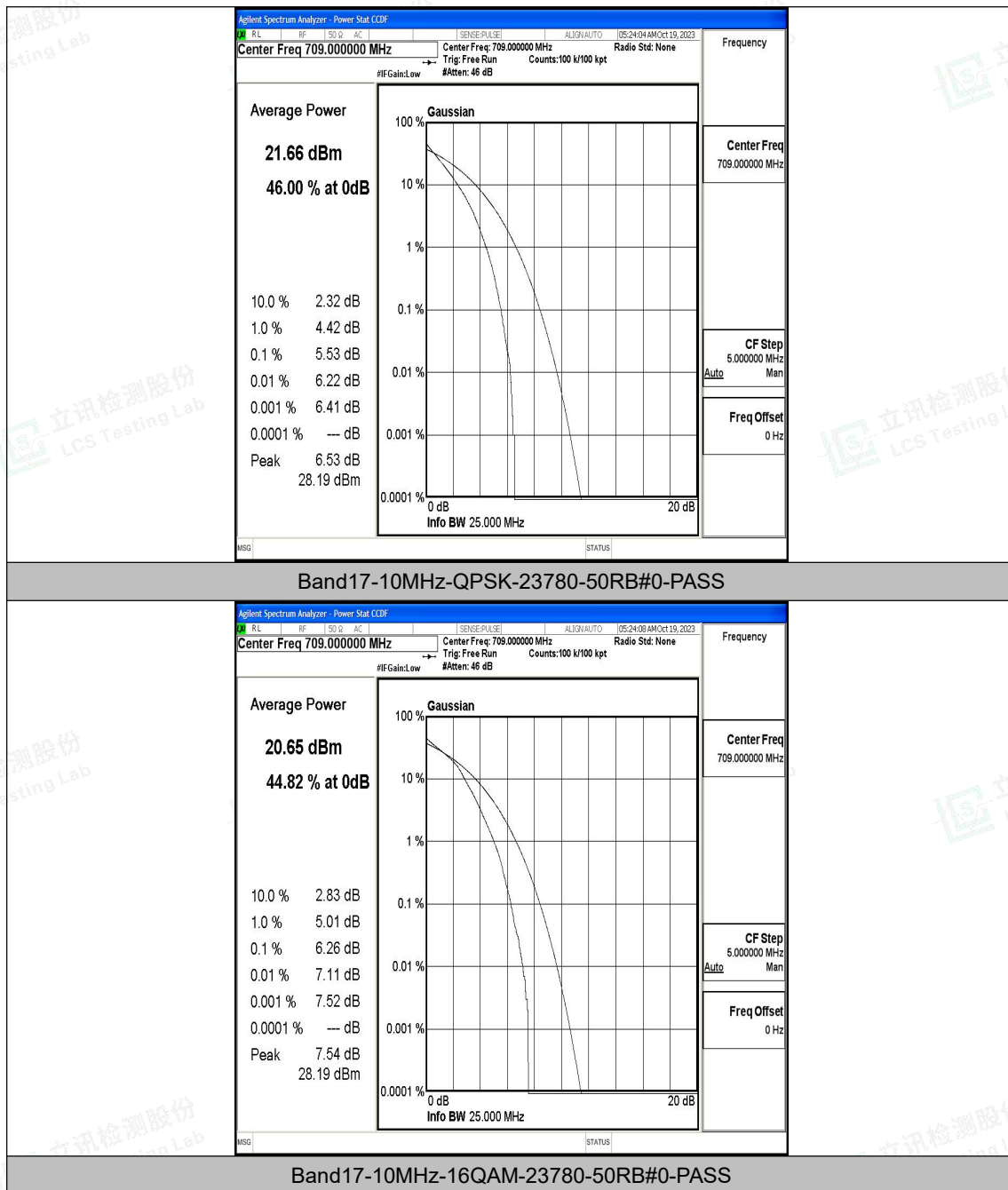


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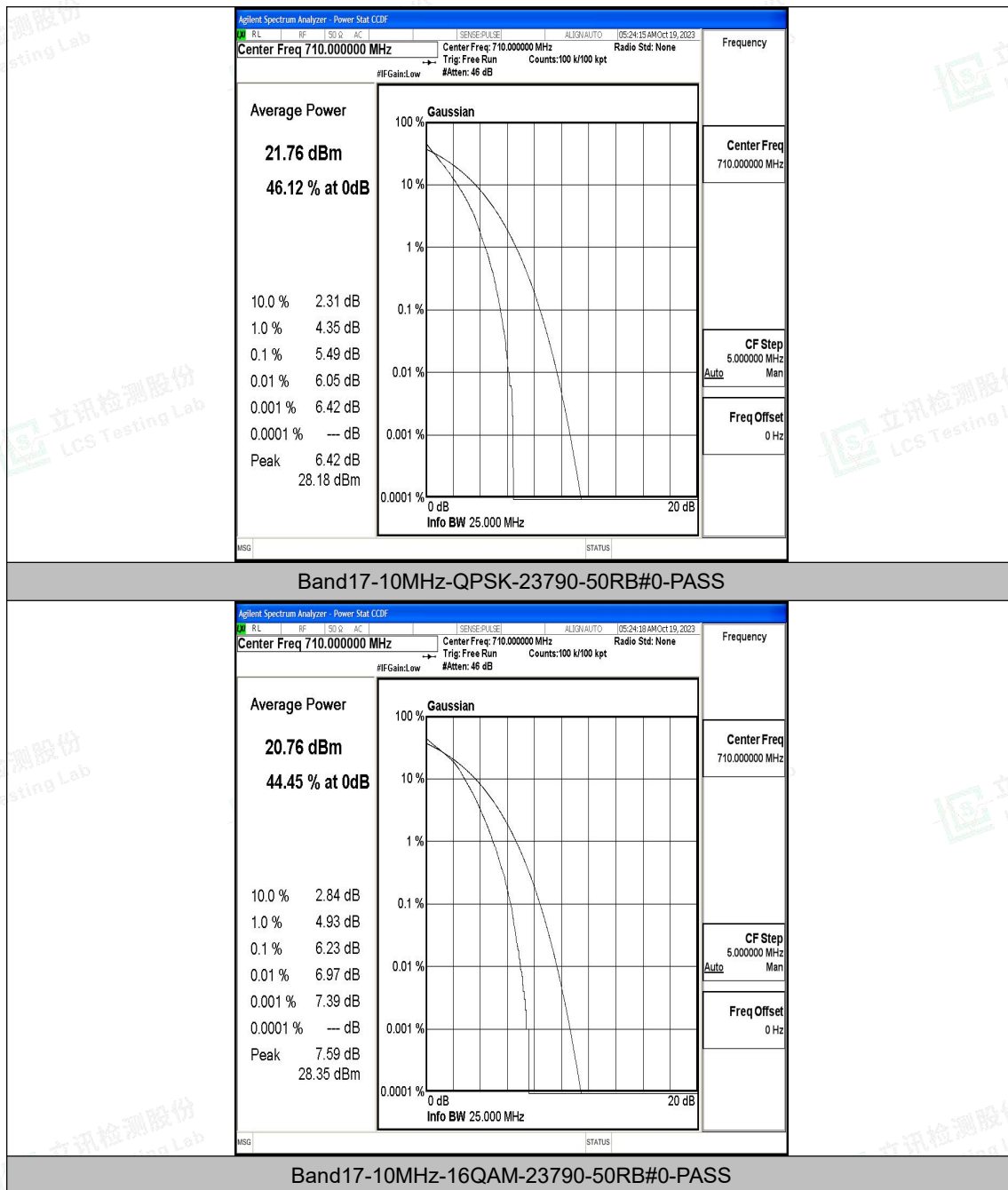


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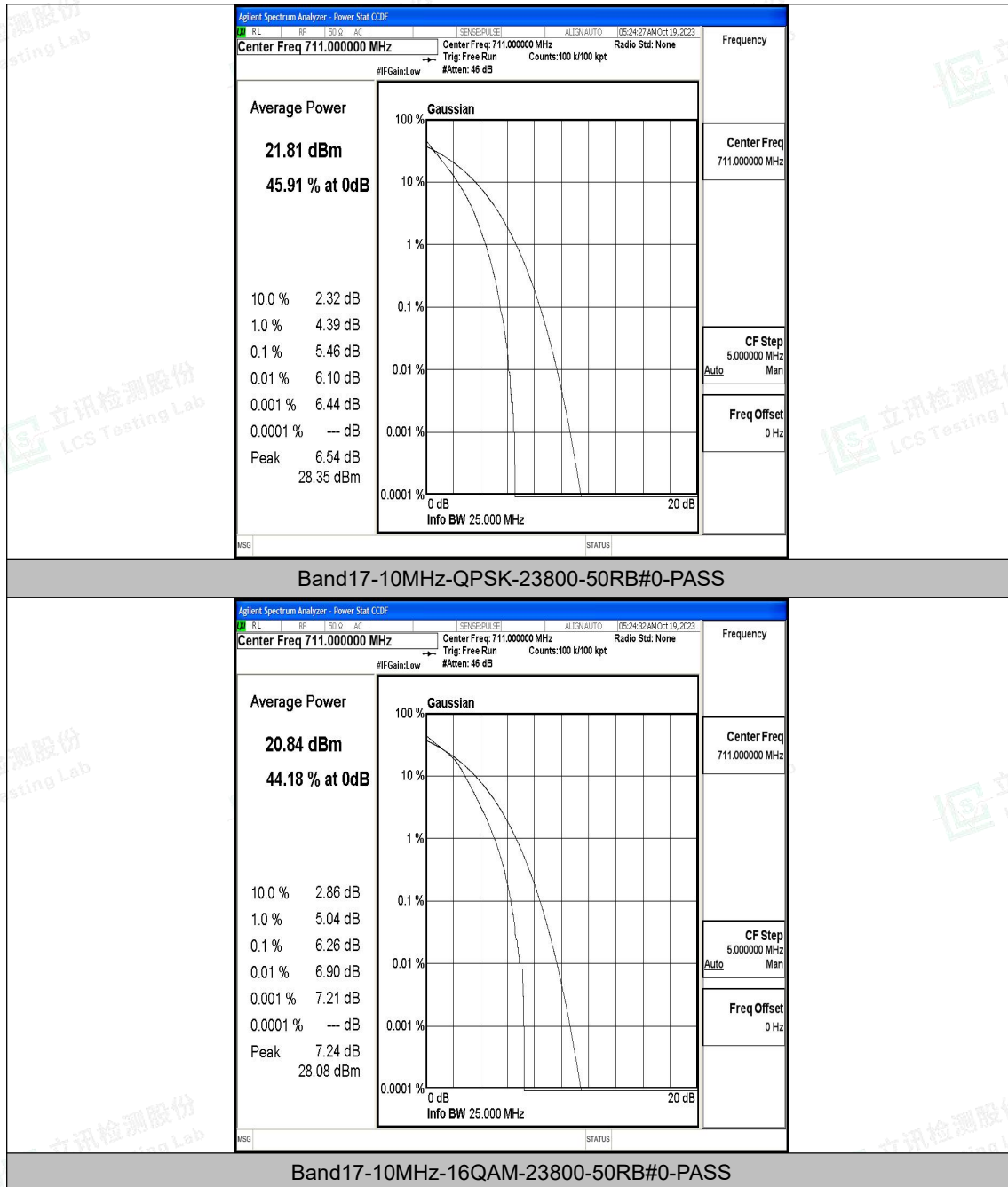


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K.3 26dB Bandwidth and Occupied Bandwidth

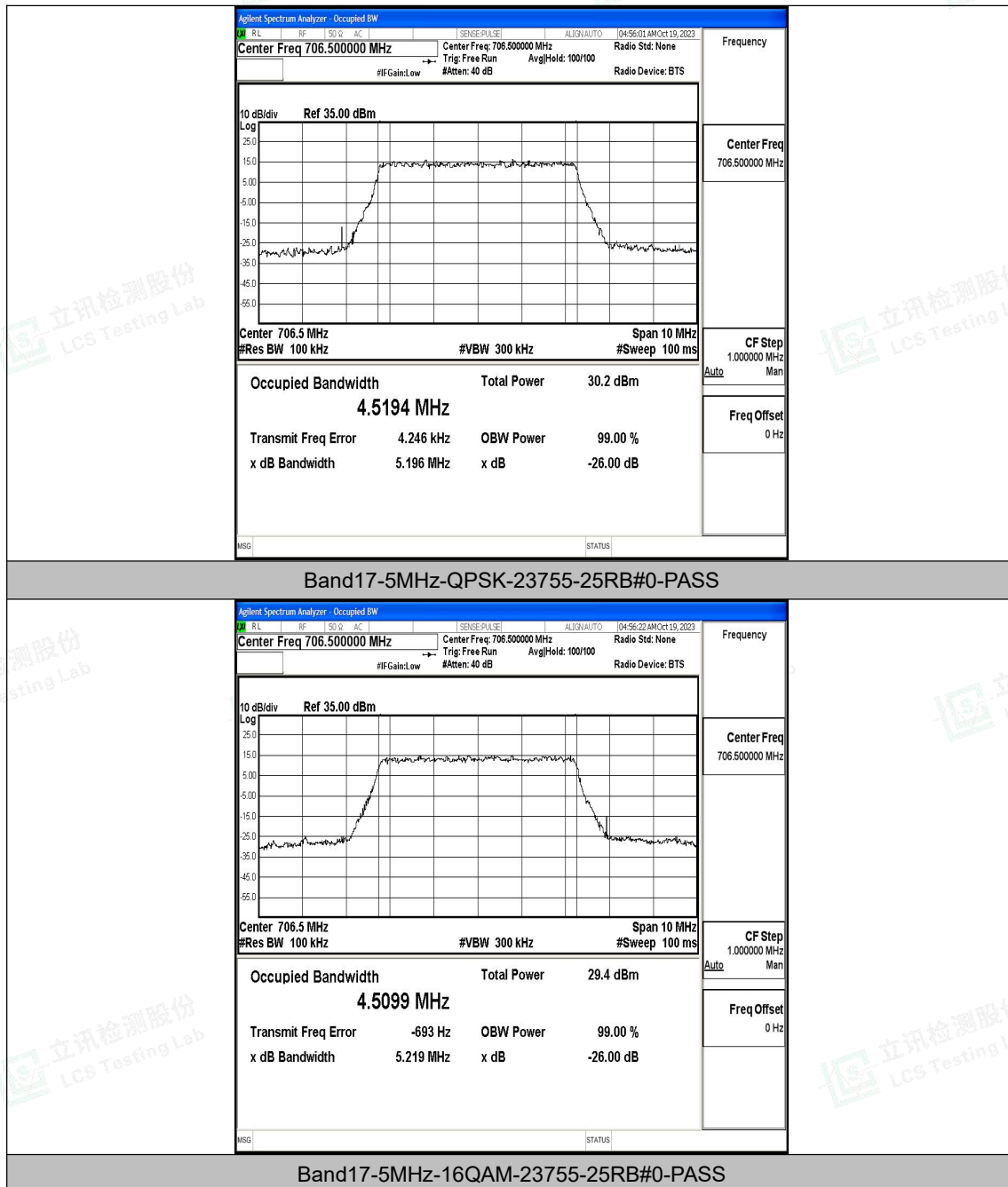
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5194	5.196	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5099	5.219	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5477	5.806	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5255	5.979	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5162	5.133	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5197	5.253	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9927	10.19	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9904	10.05	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0002	10.11	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0118	10.14	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9933	10.07	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9998	10.02	PASS





Test Graphs

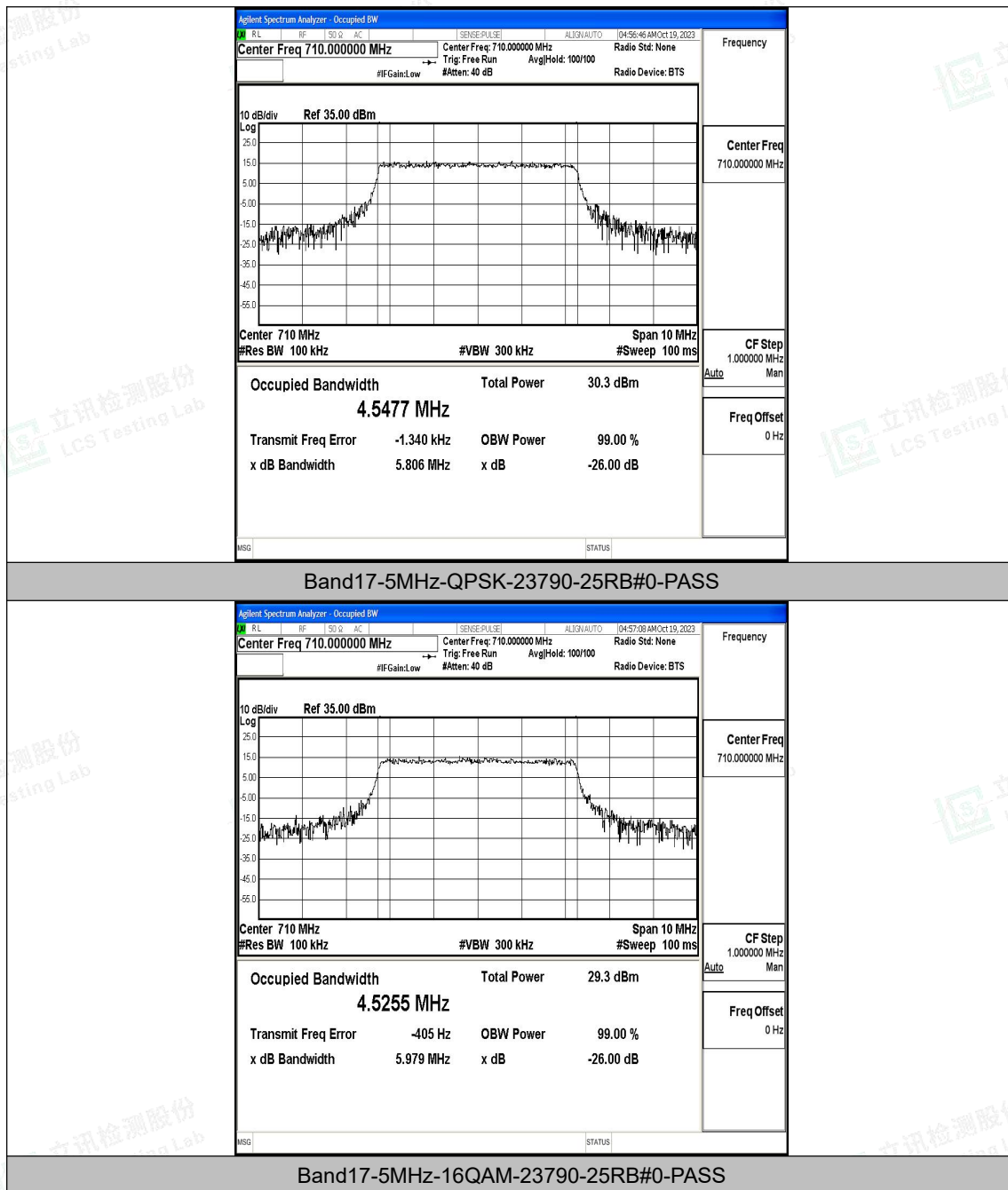


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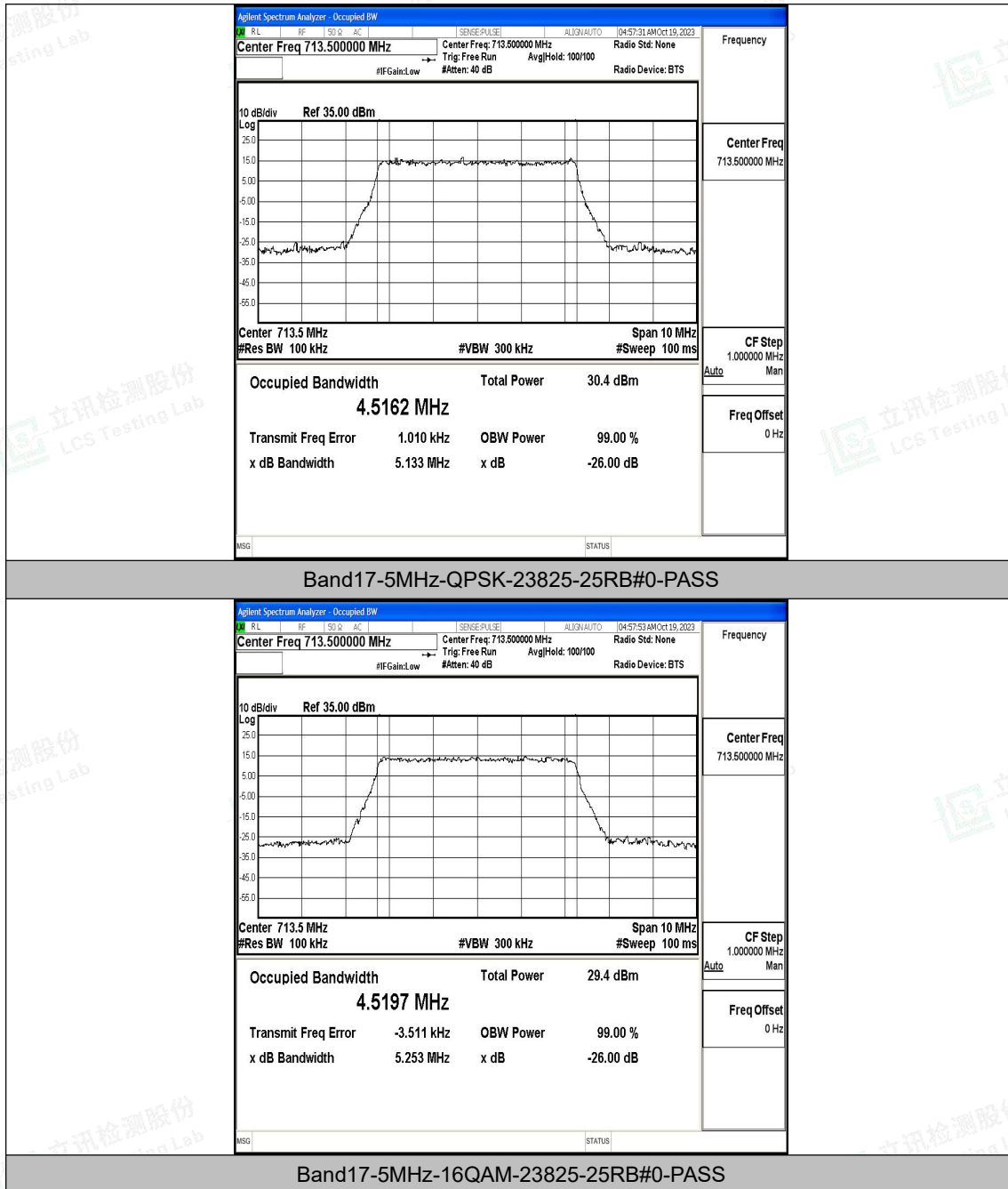


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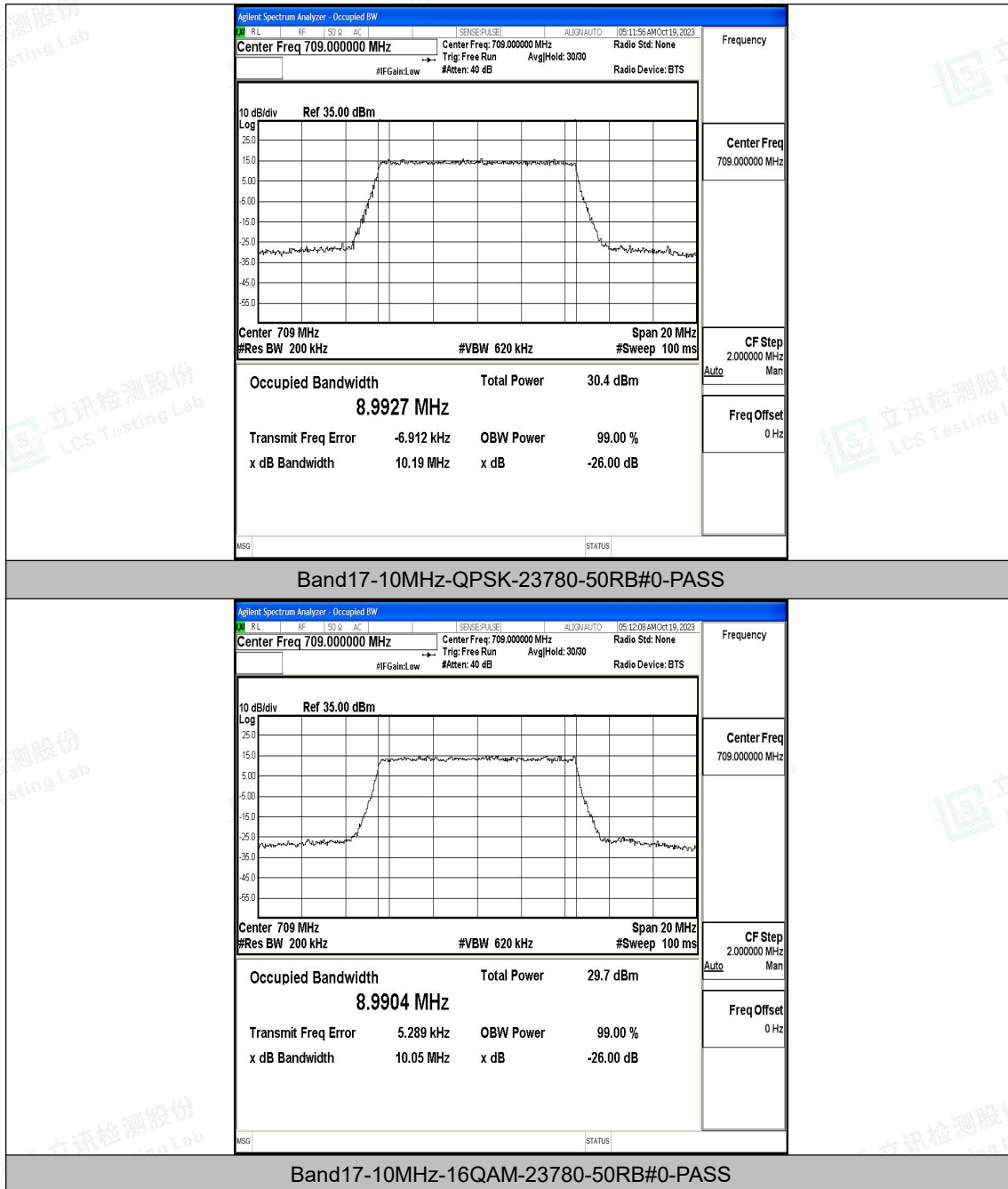


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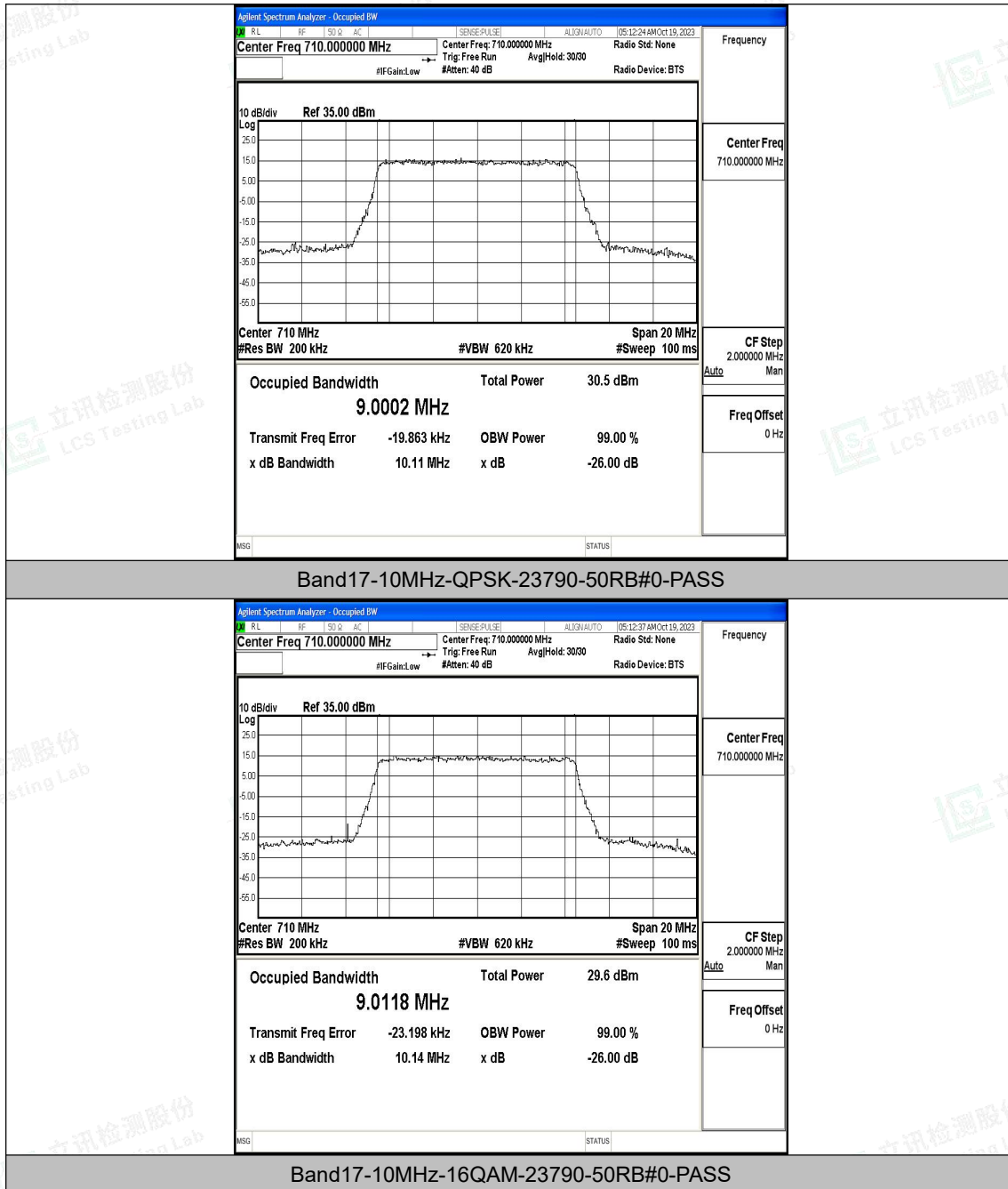


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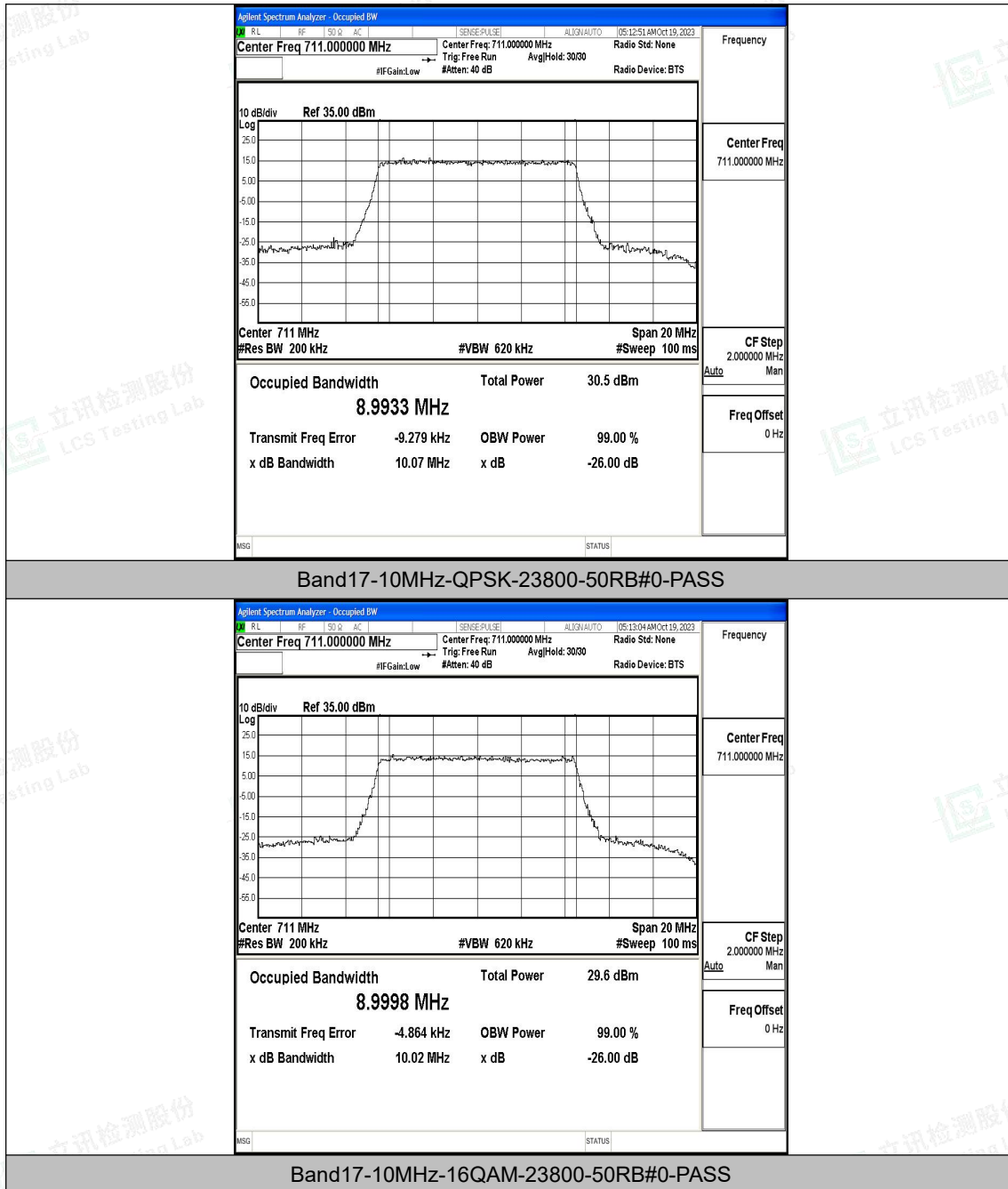


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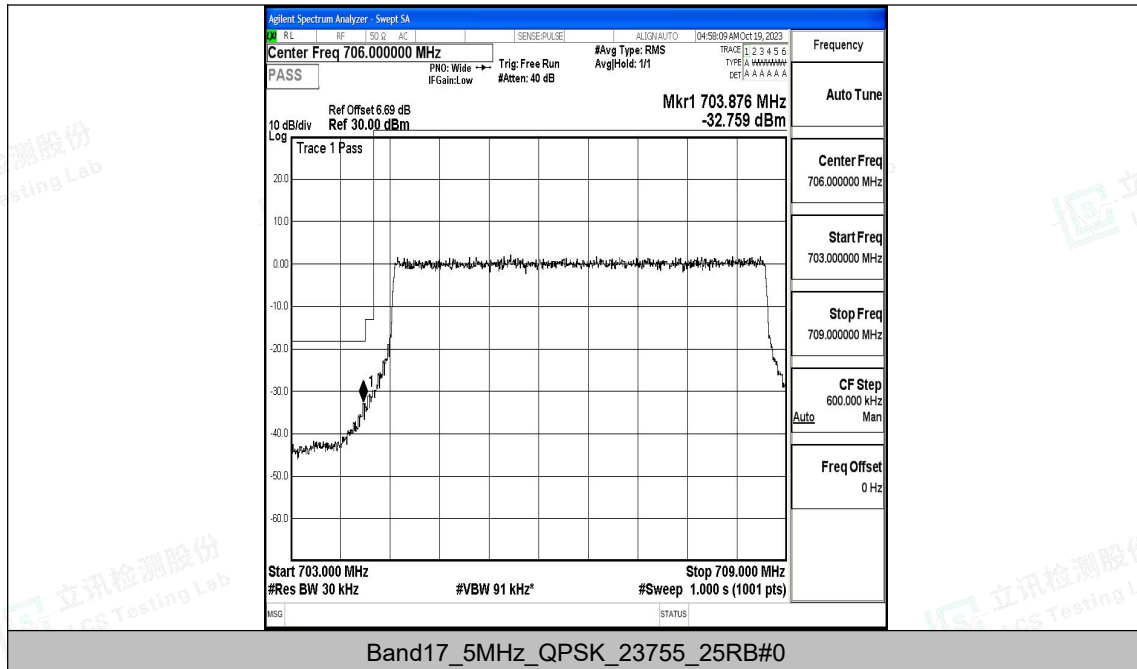


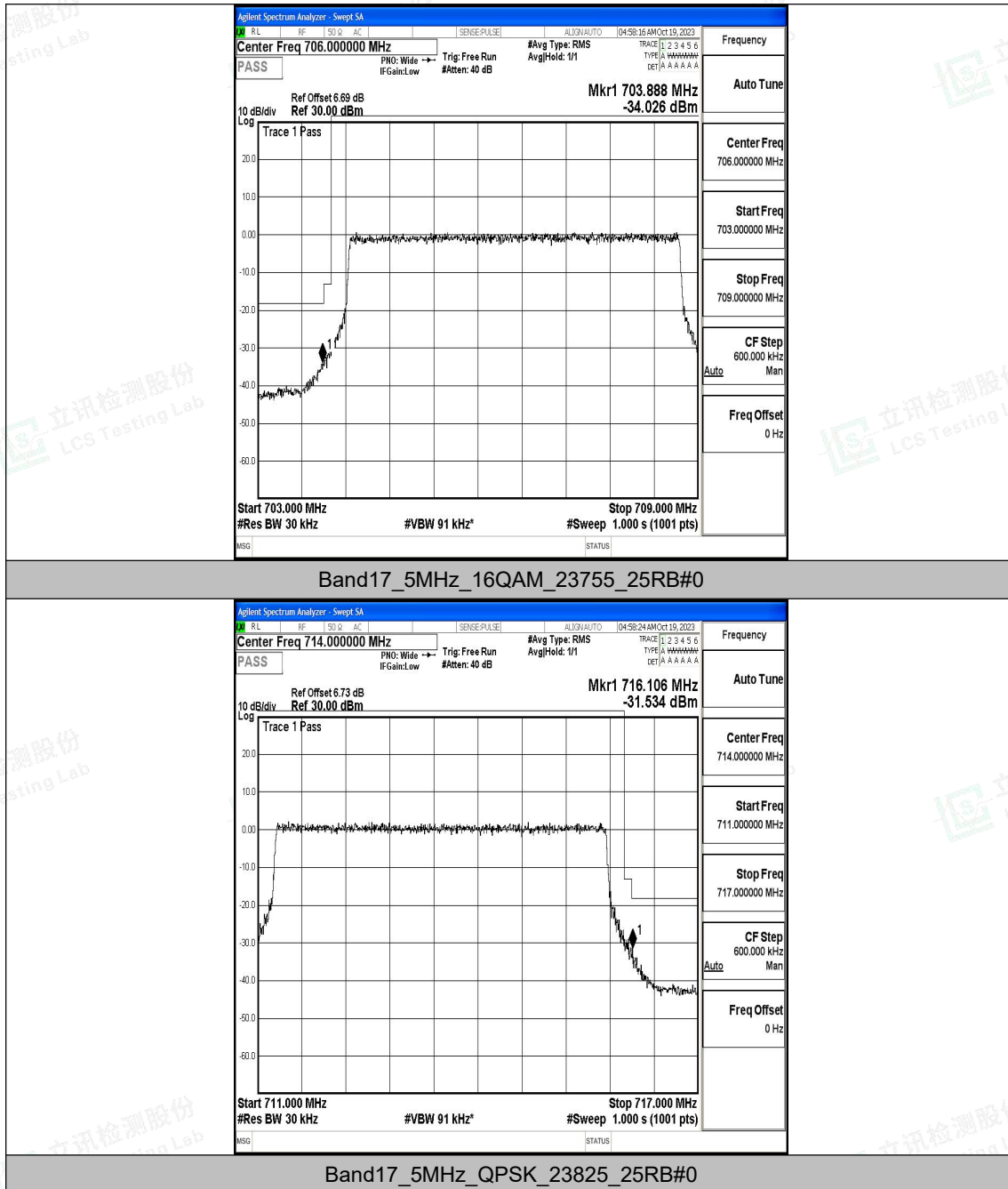
K.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.88	-32.76	PASS
Band17	5MHz	16QAM	23755	25RB#0	703.89	-34.03	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.11	-31.53	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.11	-33.78	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.89	-38.55	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.89	-39.53	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.11	-39.72	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.11	-39.79	PASS

Test Graphs



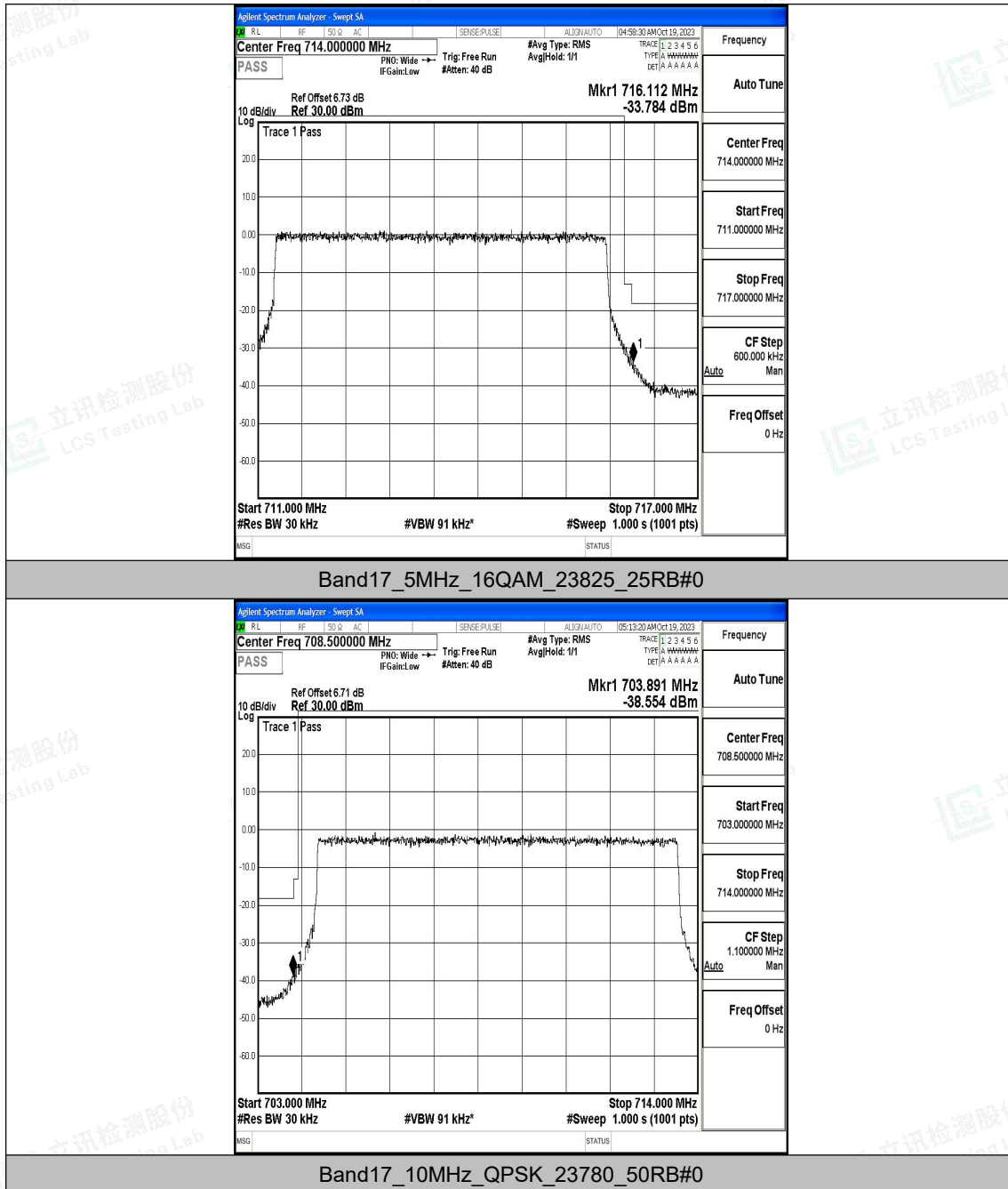


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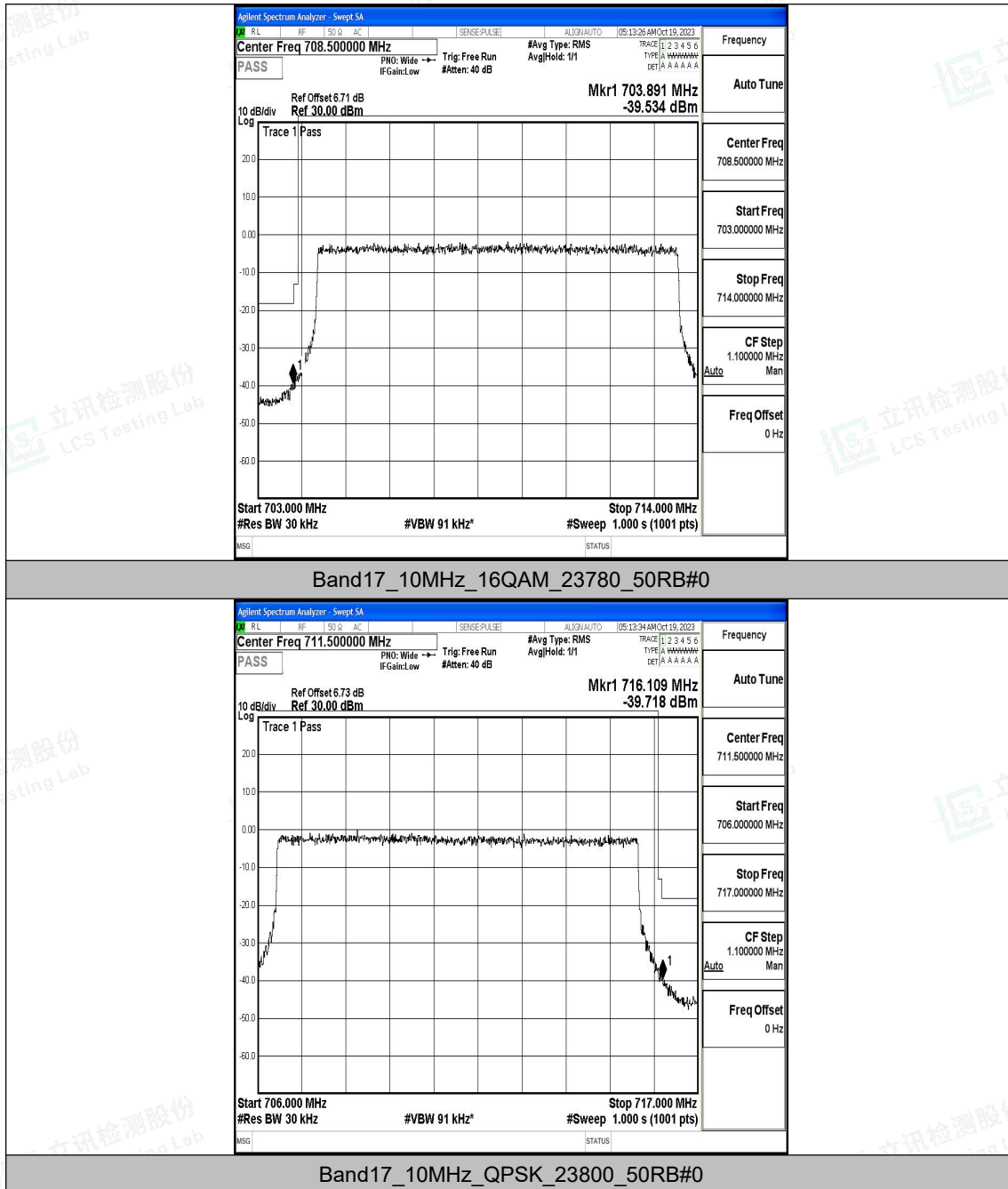


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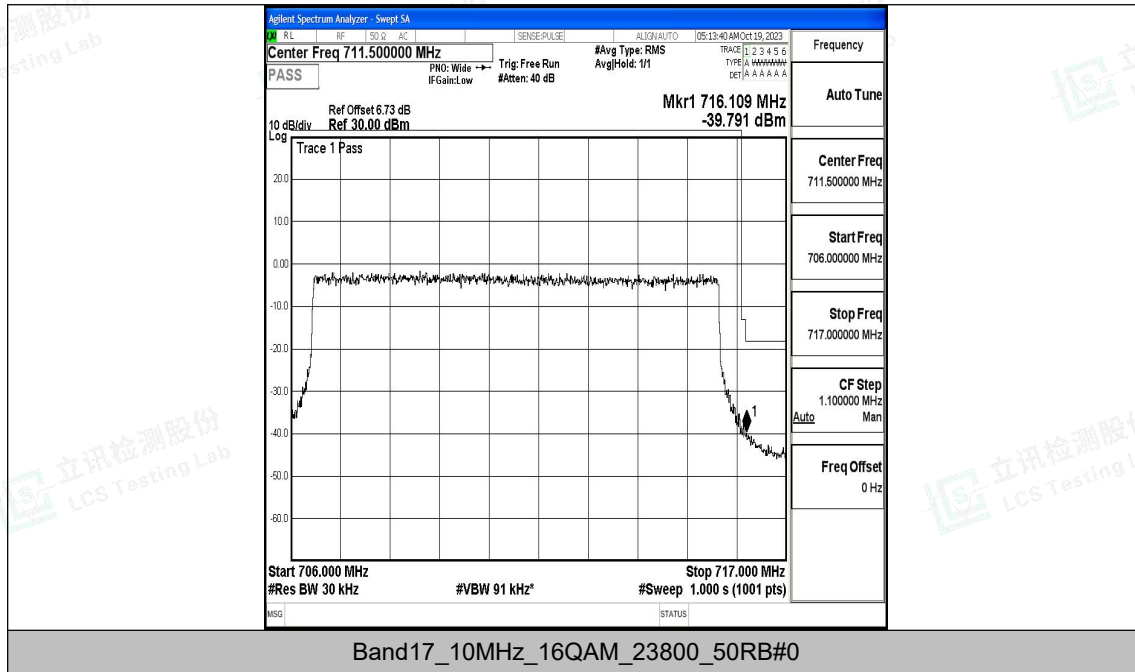


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K.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-57.82	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-52.80	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-62.72	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-43.62	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-44.42	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-59.34	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-52.83	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-62.75	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-45.54	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-44.01	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-58.68	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-52.39	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-62.59	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-45.99	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-44.58	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-58.17	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-54.23	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-62.64	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-44.81	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-44.28	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-57.78	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-54.01	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-62.55	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-45.87	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-44.29	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-57.99	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-53.04	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-62.64	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-44.87	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-44.66	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-56.52	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-52.41	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-62.15	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-43.72	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-44.67	PASS



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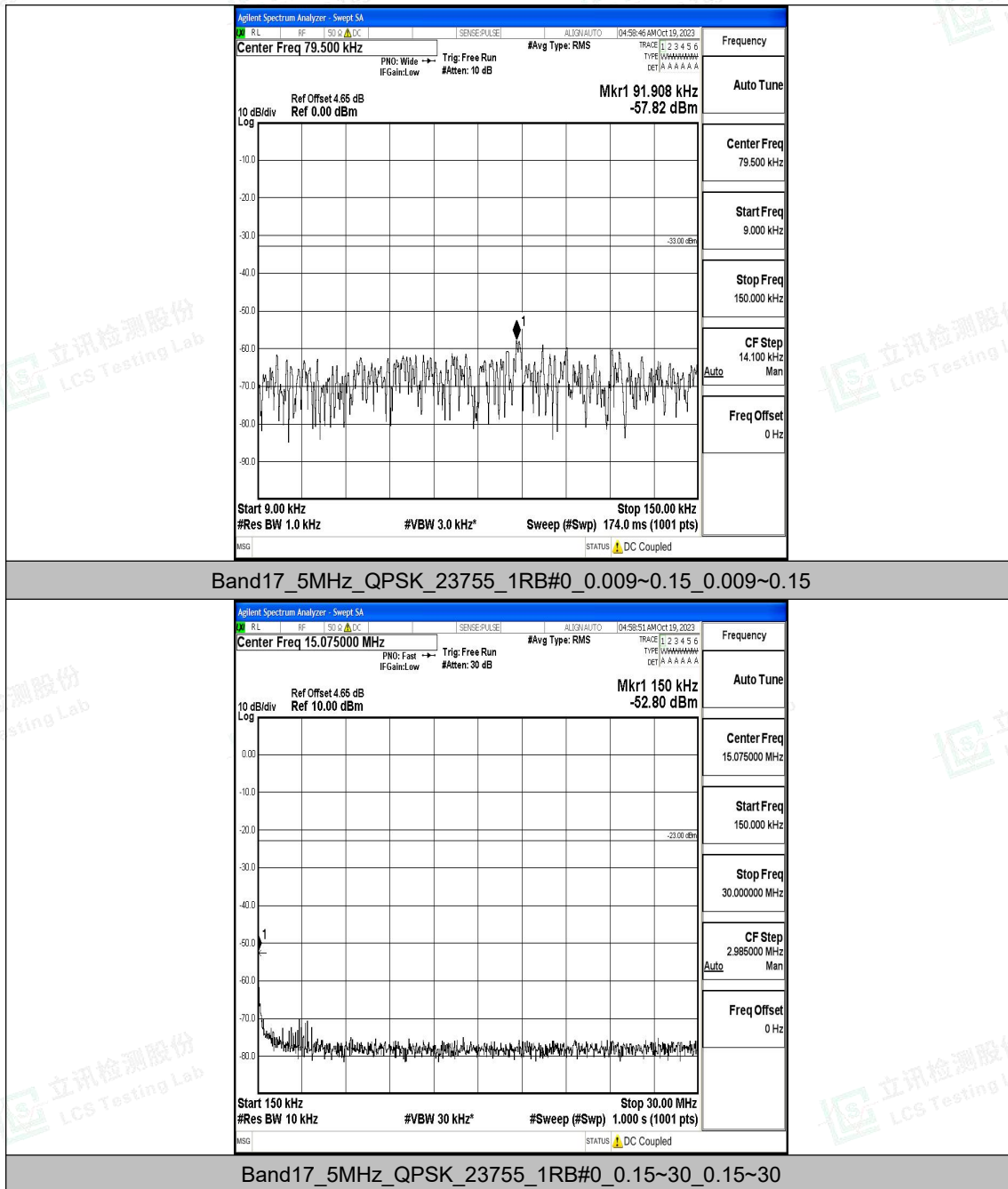


Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-60.60	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-53.75	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-62.59	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-44.78	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-44.28	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-55.78	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-53.31	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-62.36	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-43.82	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-44.38	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-57.65	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-50.65	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-62.49	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-44.61	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-44.32	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-57.58	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-53.78	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-62.46	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-44.41	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-44.62	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-58.15	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-50.92	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-62.34	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-44.73	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-44.35	PASS





Test Graphs

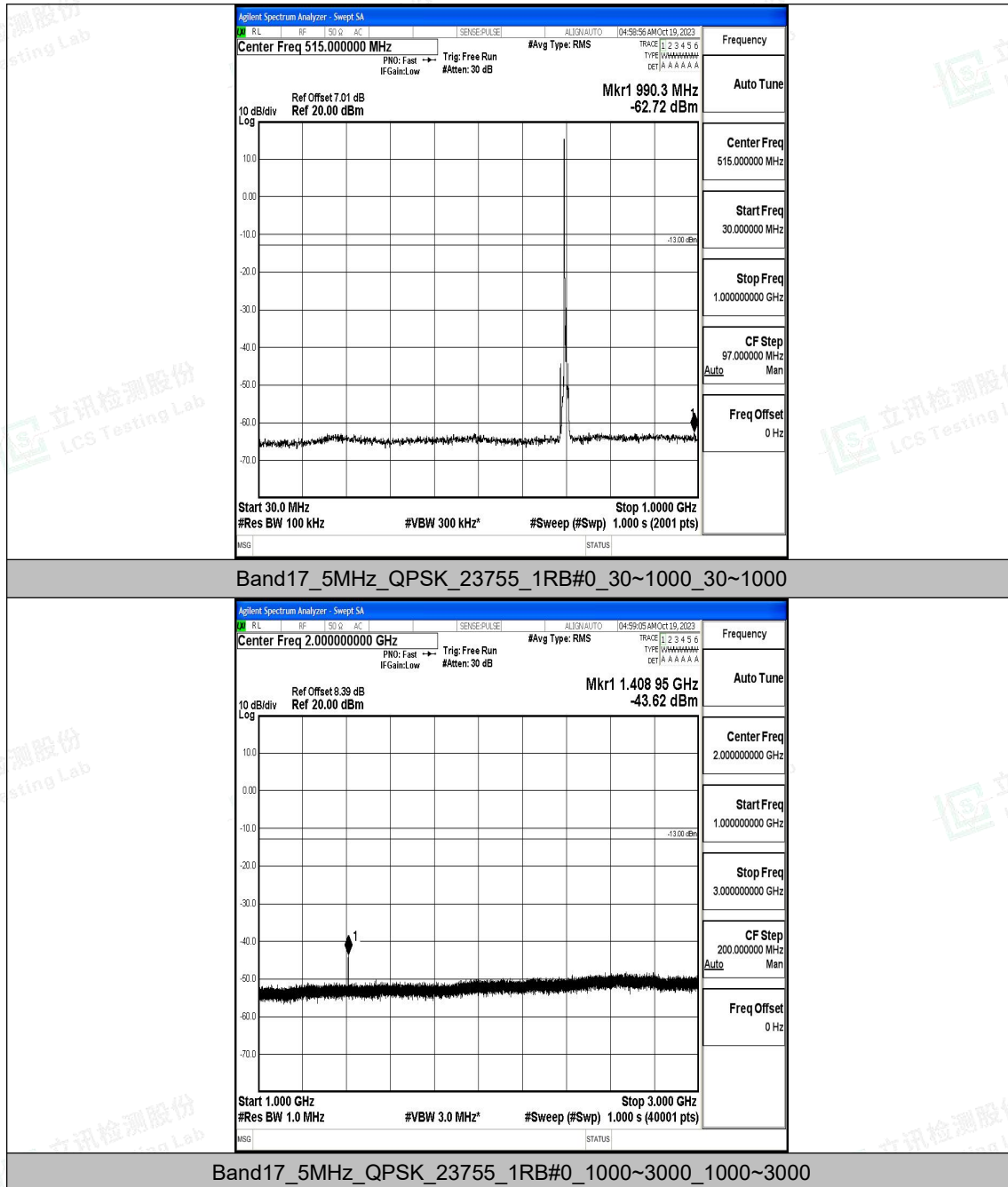


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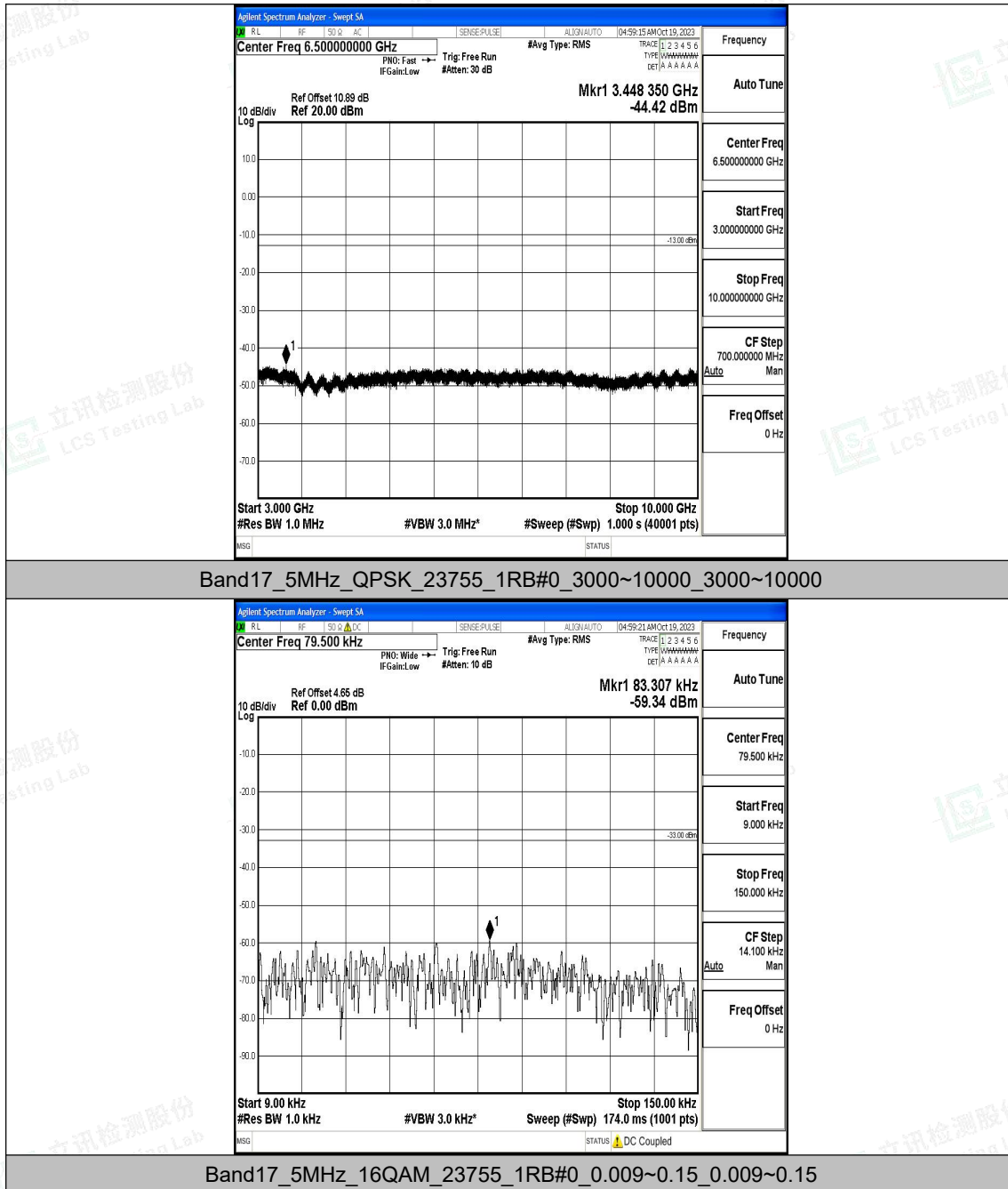


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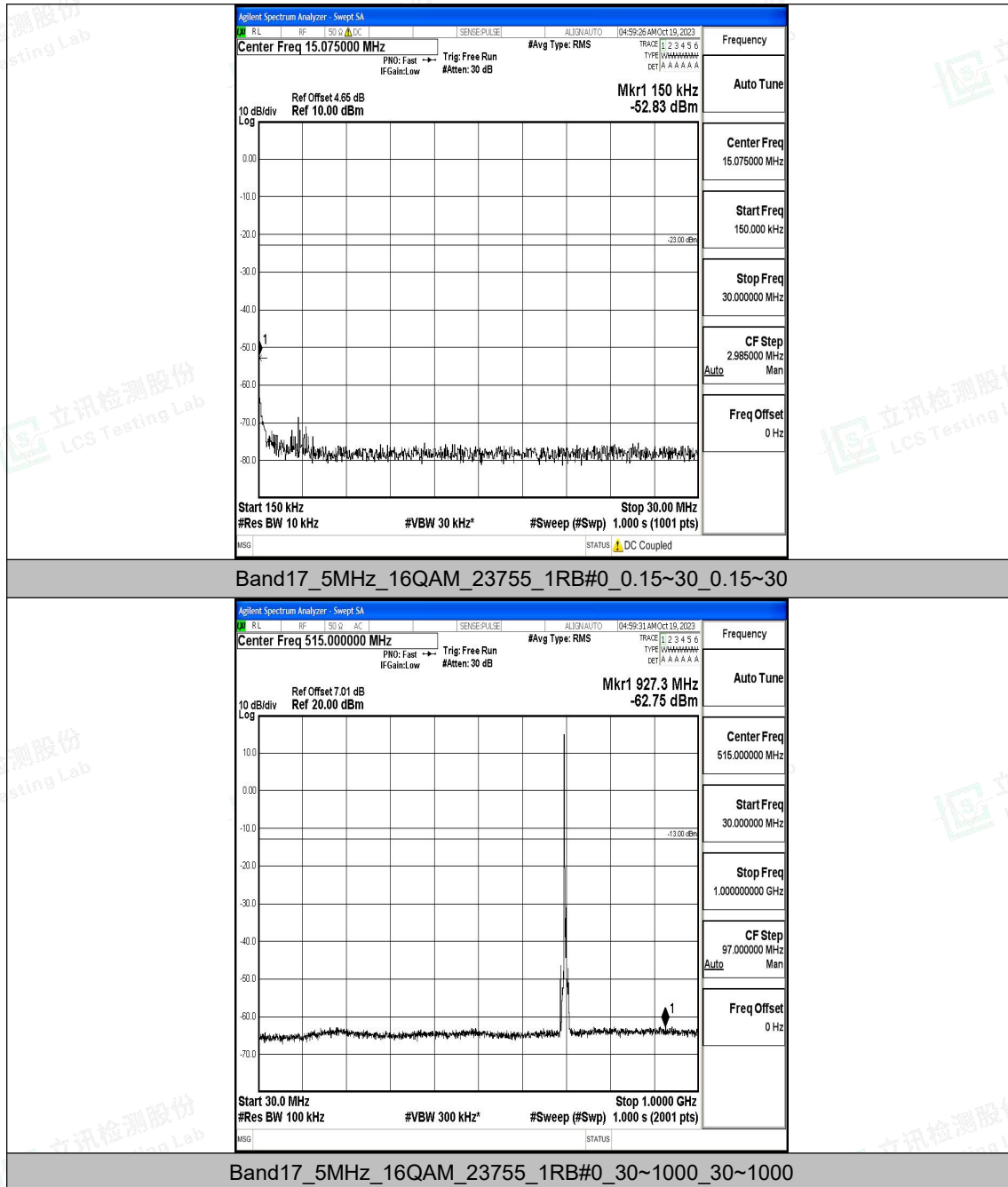


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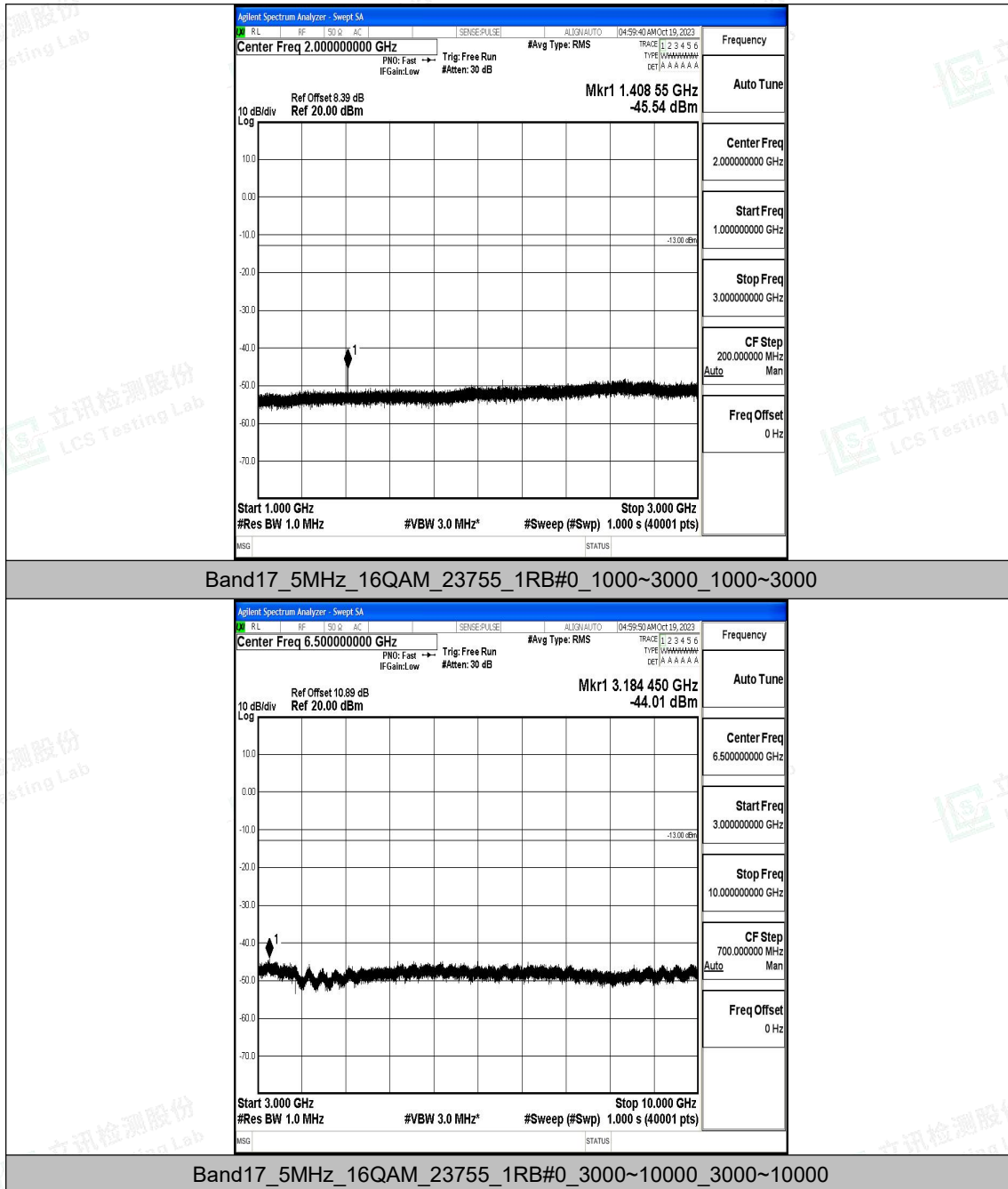


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