



Appendix K: Test Data for E-UTRA Band 17

Product Name: BlueCash-05

Test Model: BlueCash-05

Environmental Conditions

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



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K.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.84	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.56	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.65	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.35	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.62	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.31	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.89	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.91	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.88	PASS
Band17	5MHz	16QAM	23755	12RB#6	22.00	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.80	PASS
Band17	5MHz	16QAM	23755	12RB#13	22.01	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.76	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.98	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.75	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.39	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.71	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.21	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.86	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.18	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.82	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.96	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.86	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.81	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.87	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.76	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.05	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.69	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.09	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.65	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.06	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.53	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.05	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.78	PASS



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Band17	5MHz	16QAM	23825	12RB#0	22.01	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.79	PASS
Band17	5MHz	16QAM	23825	12RB#6	22.01	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.79	PASS
Band17	5MHz	16QAM	23825	12RB#13	22.08	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.79	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.03	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.45	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.44	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.46	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.42	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.41	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.45	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.70	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.76	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.71	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.69	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.73	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.78	PASS
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Band17	10MHz	16QAM	23780	50RB#0	21.74	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.79	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.66	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.67	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.64	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.61	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.47	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.75	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.95	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.76	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.95	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.53	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.89	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.39	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.80	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.49	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.36	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.46	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.70	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.44	PASS



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Band17	10MHz	16QAM	23800	1RB#49	22.79	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.59	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.85	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.59	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.69	PASS
Band17	10MHz	16QAM	23800	25RB#25	22.06	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.85	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.76	PASS



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K.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	5.00	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.73	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.62	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.30	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.97	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.80	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.61	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.25	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.86	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.42	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.39	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.08	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.95	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.81	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.63	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.32	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.73	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.67	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.57	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.30	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.82	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.66	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.52	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.25	13	PASS



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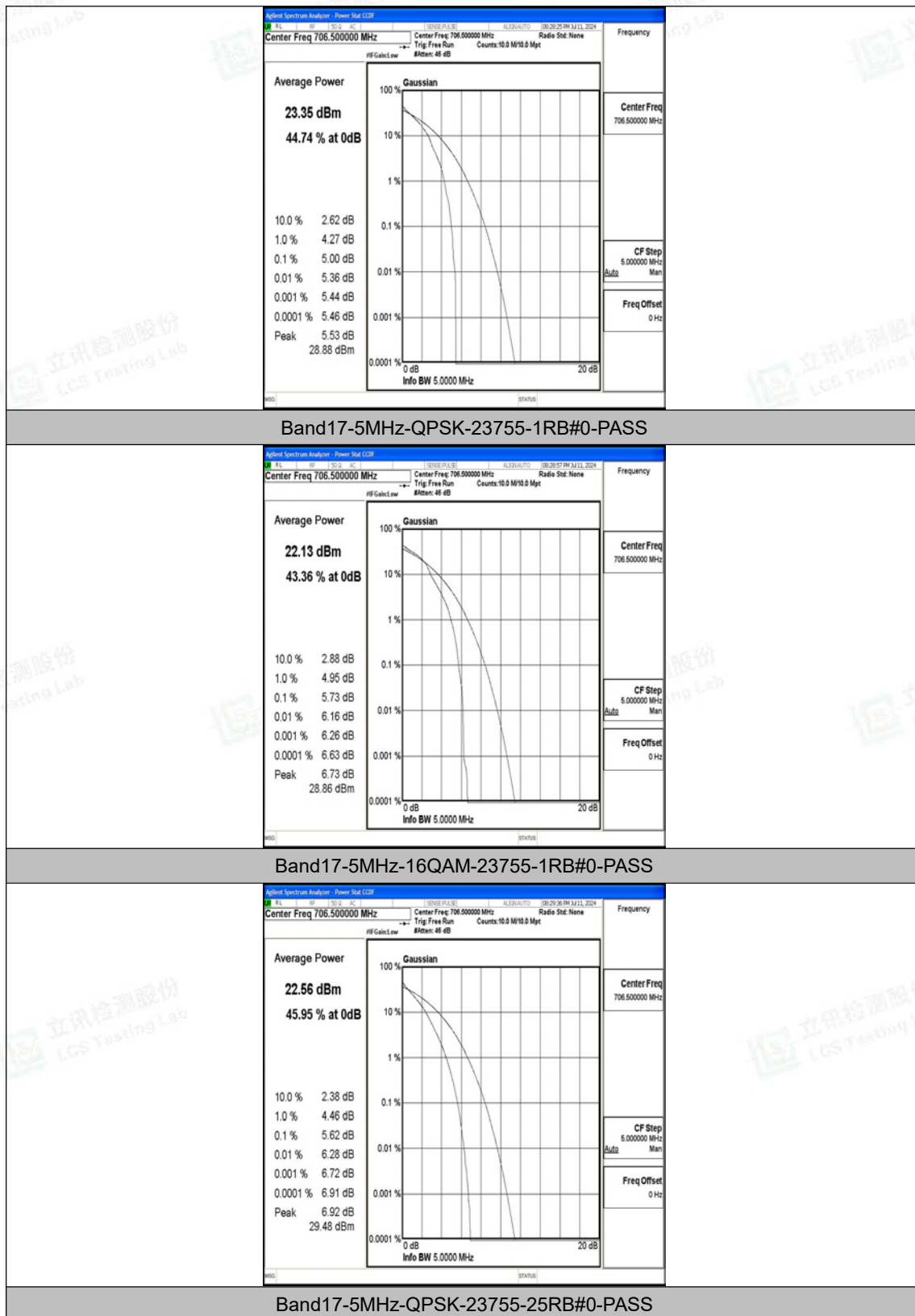
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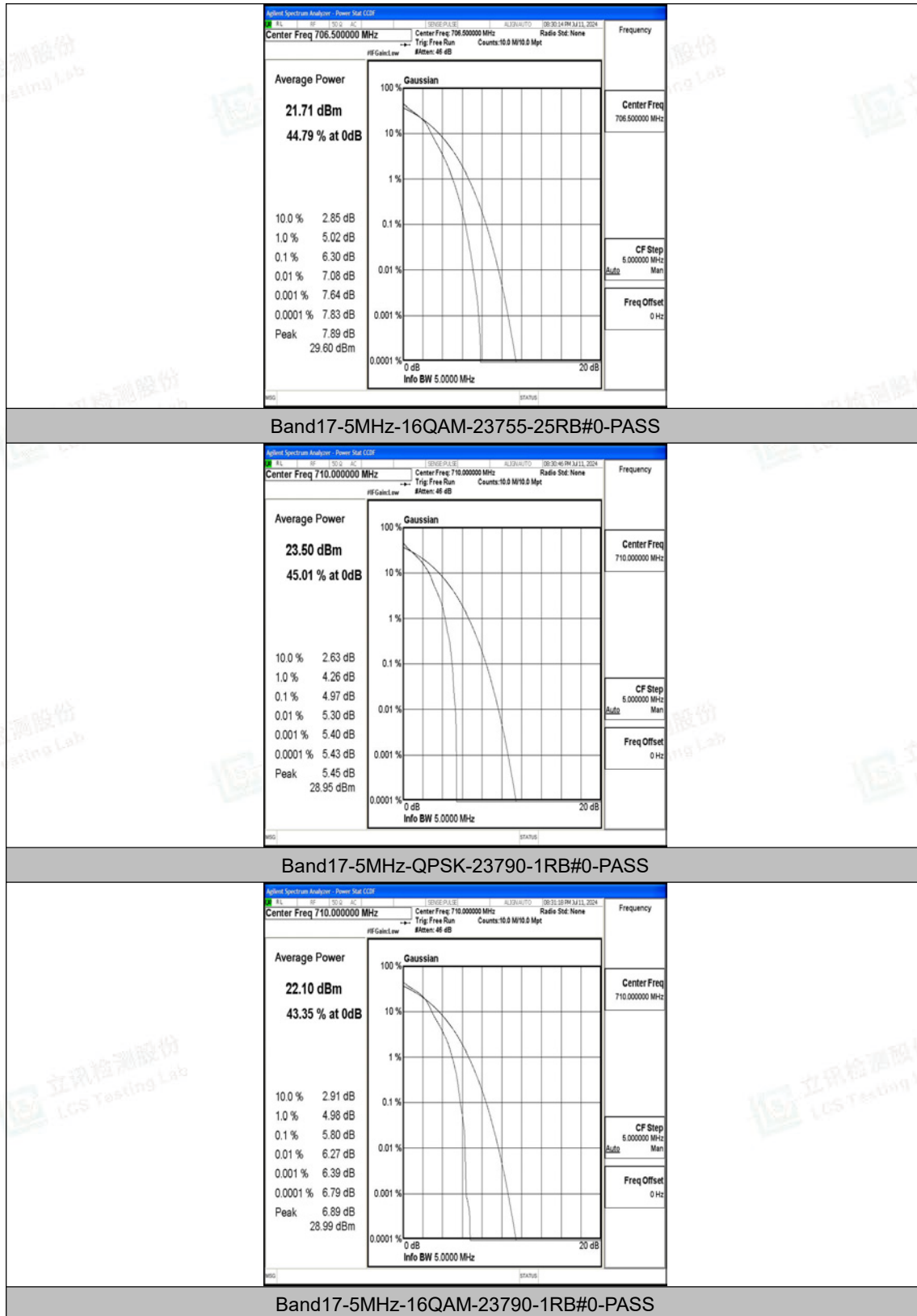
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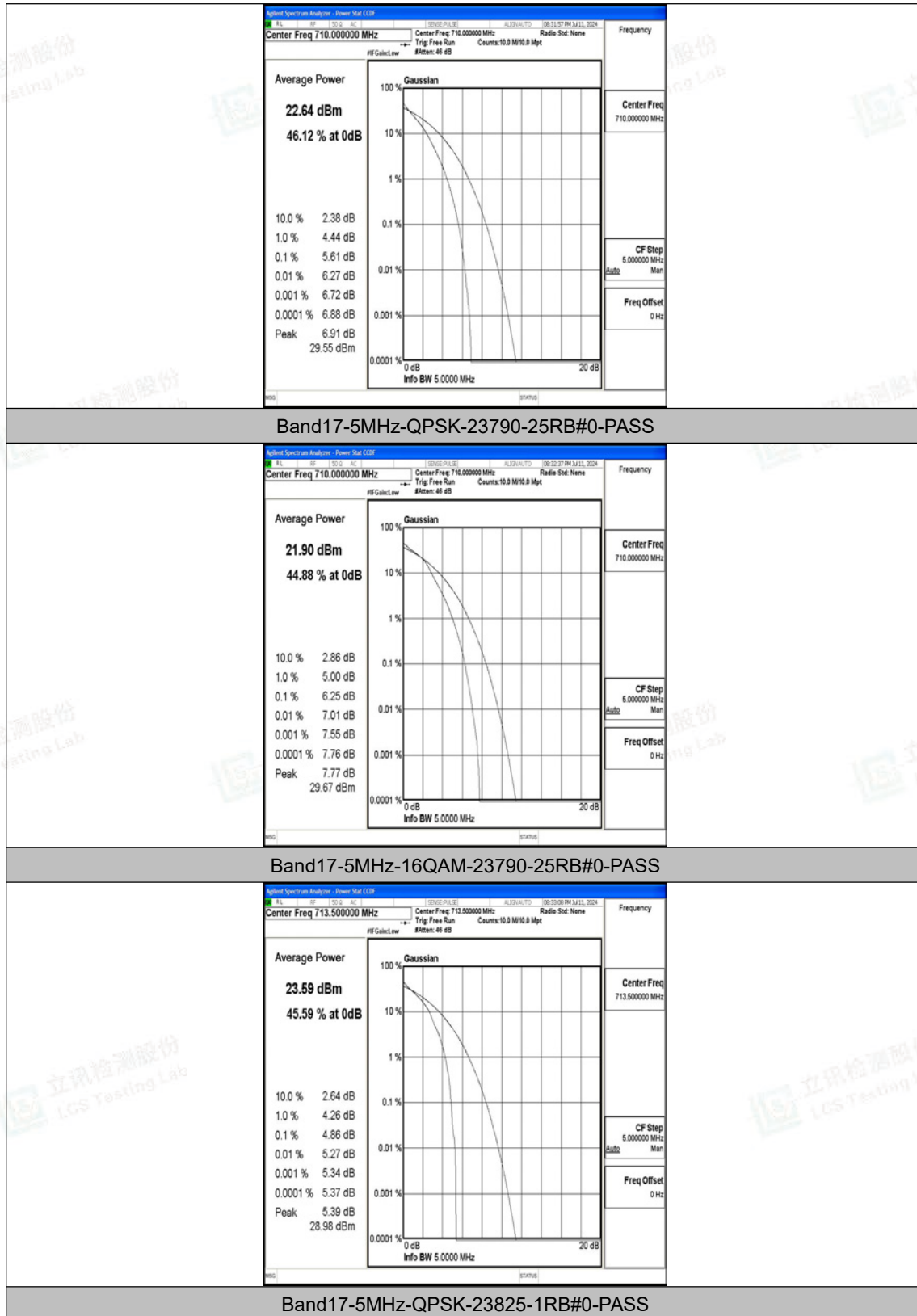
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Test Graphs





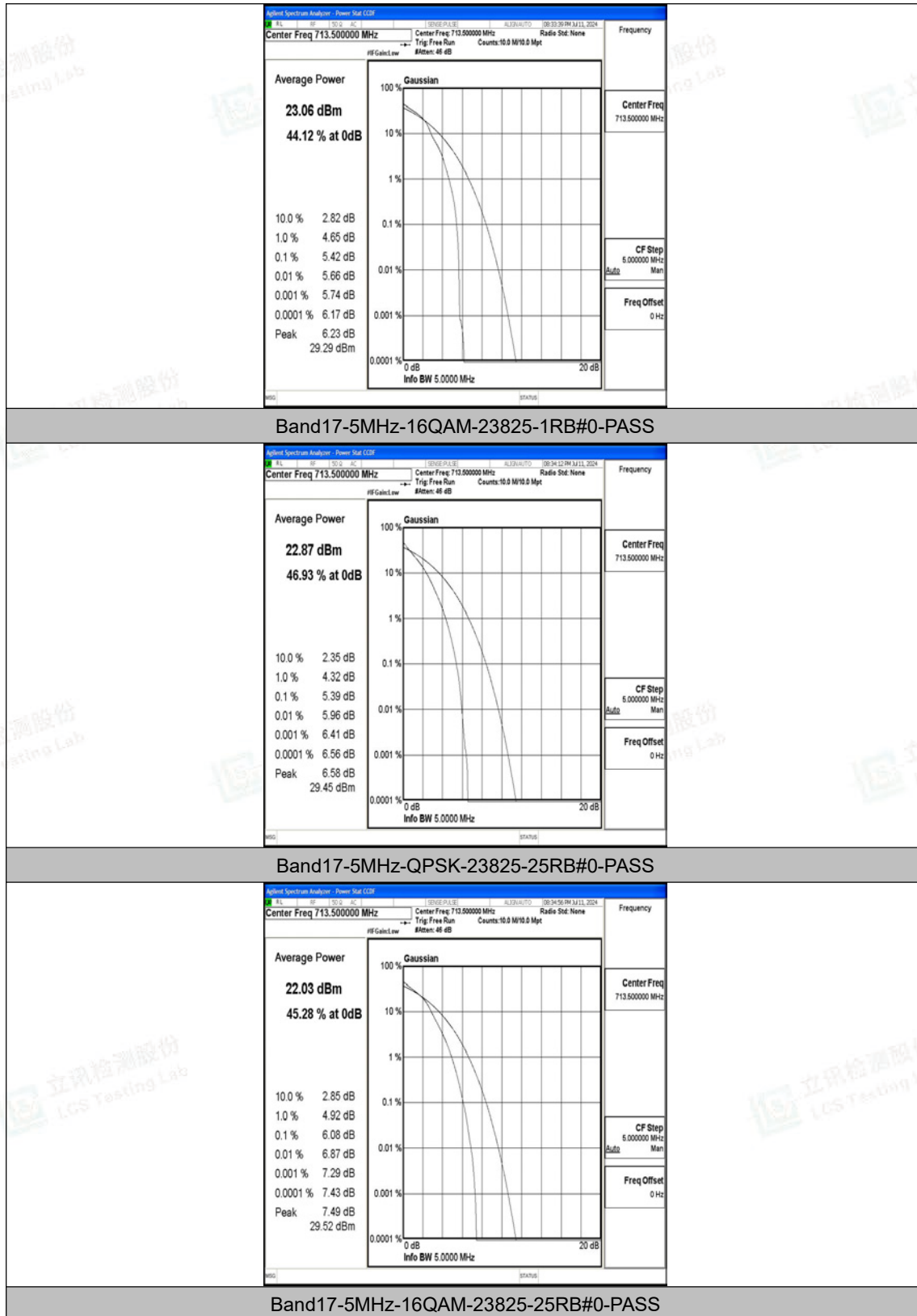


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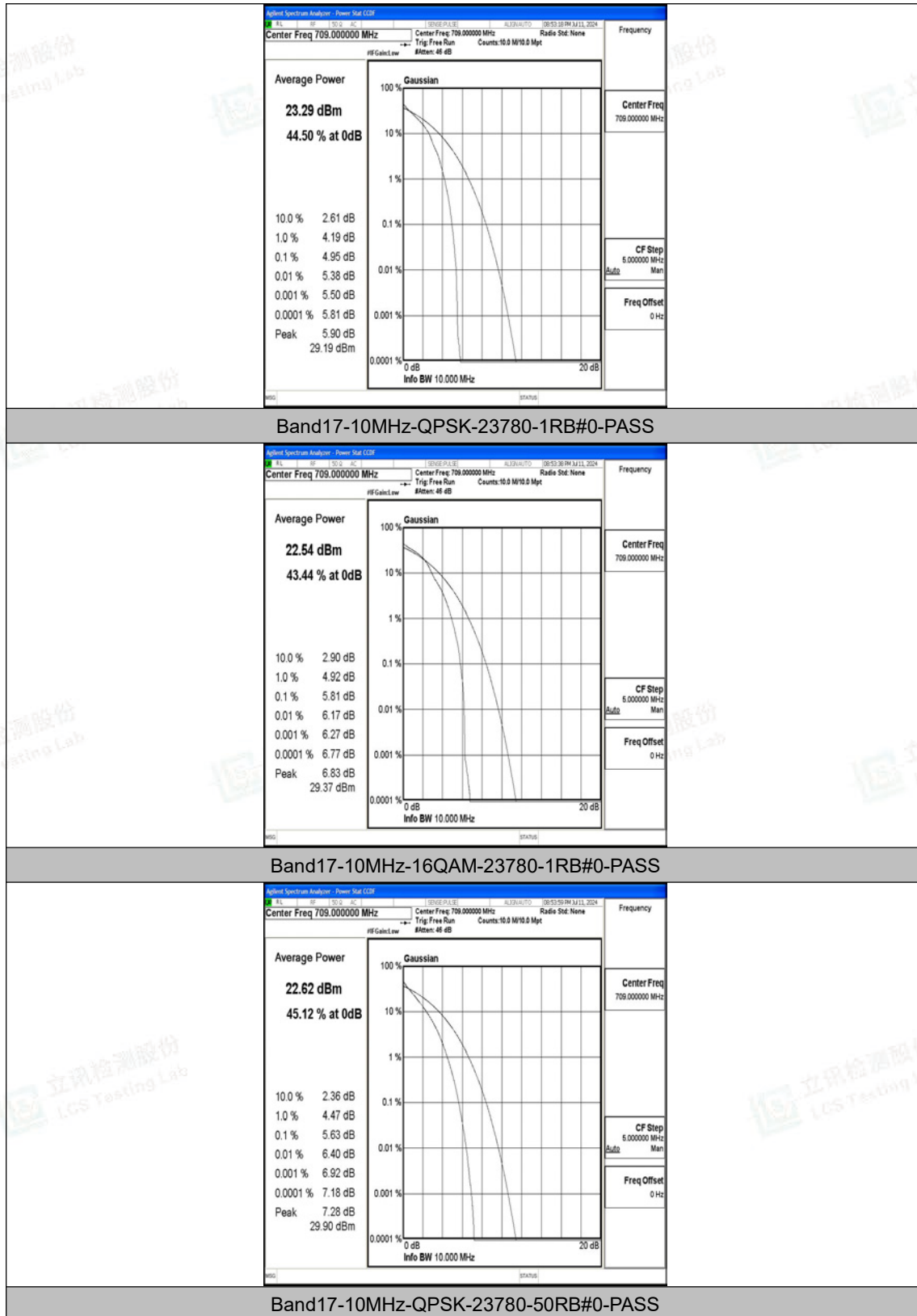


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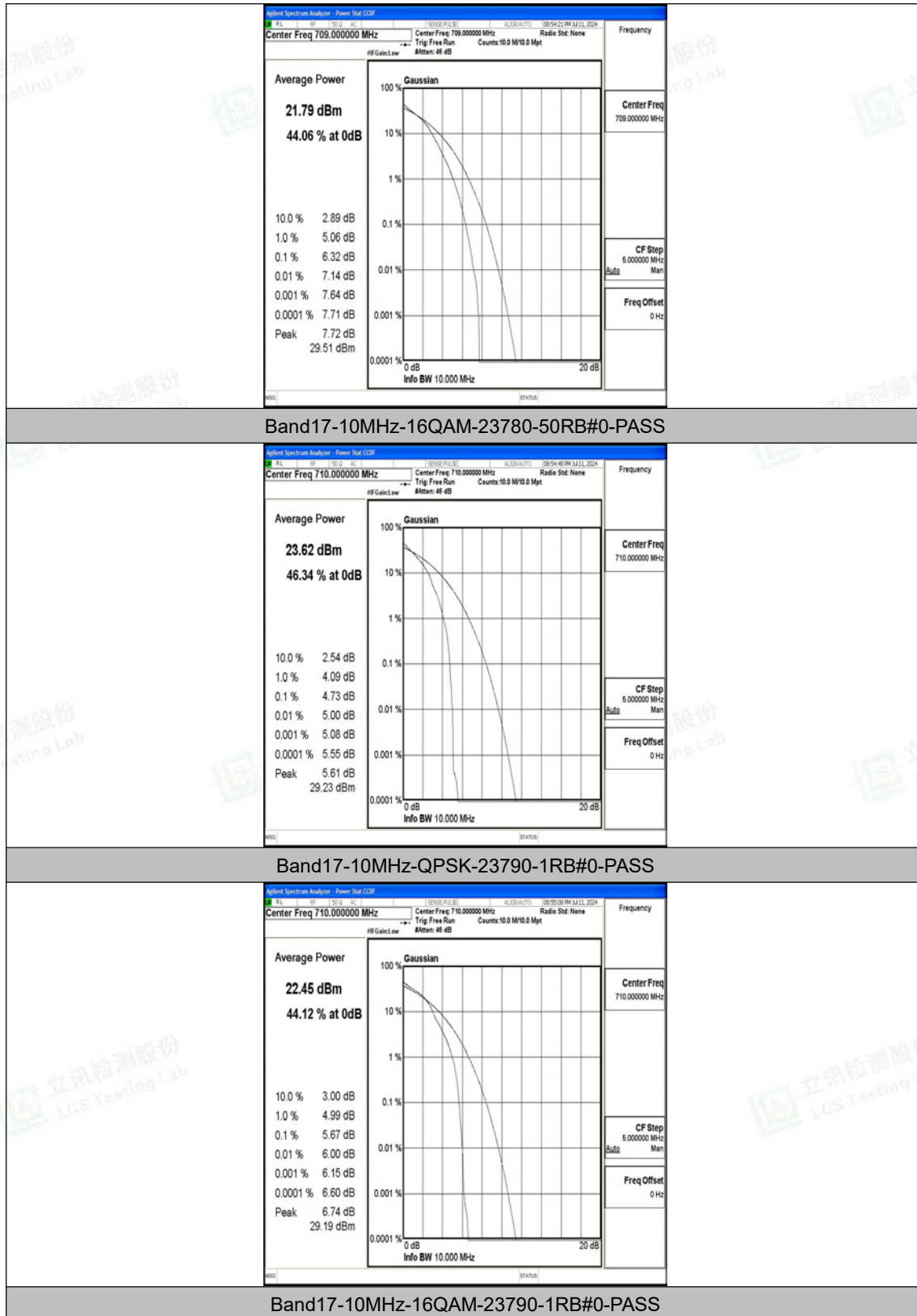


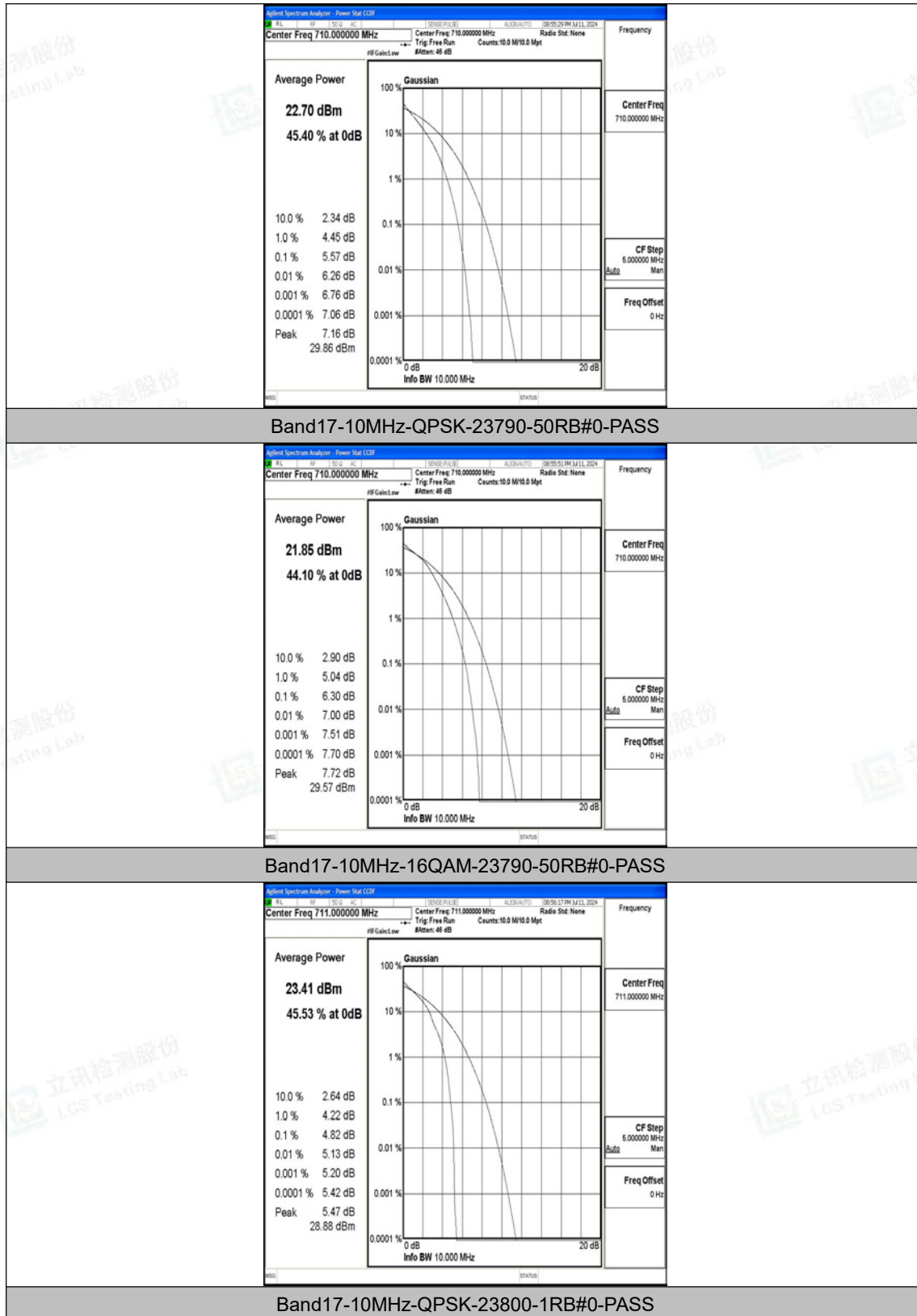
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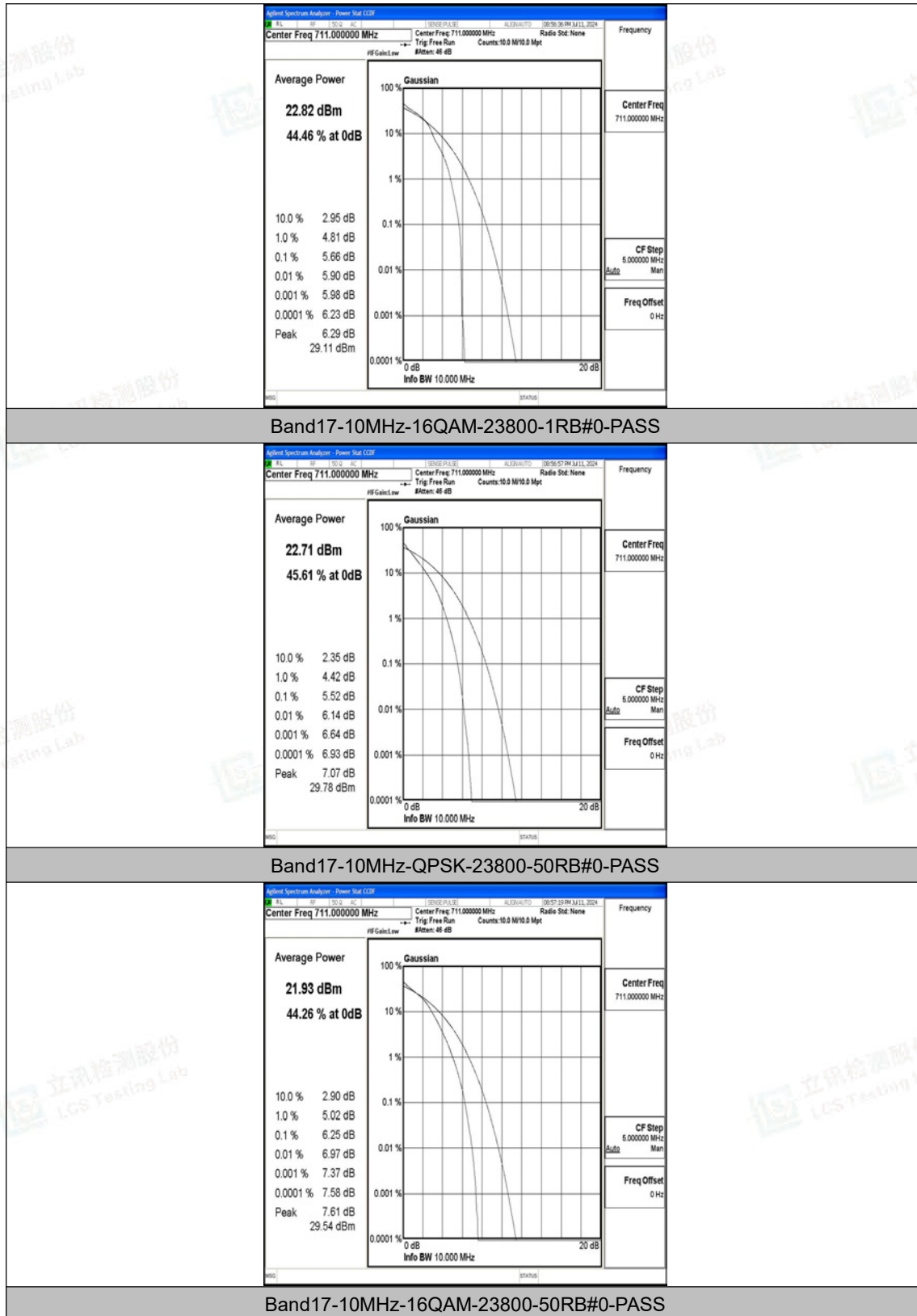


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K.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5302	5.333	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5130	5.192	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5309	5.256	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5207	5.323	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5146	5.502	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5243	5.378	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9942	10.05	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9933	10.20	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0268	10.13	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0055	10.54	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9709	9.969	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9978	9.998	PASS



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Test Graphs

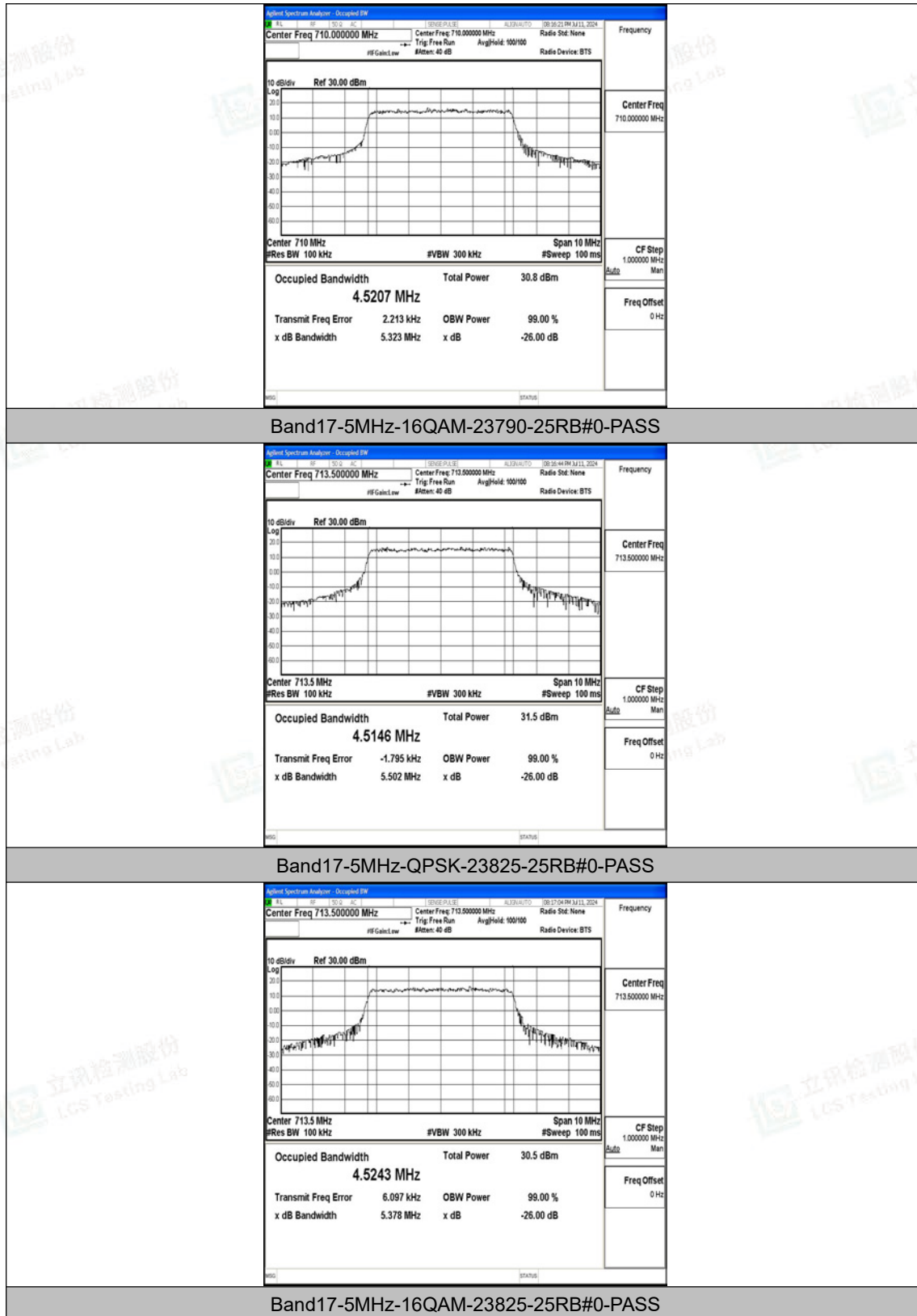


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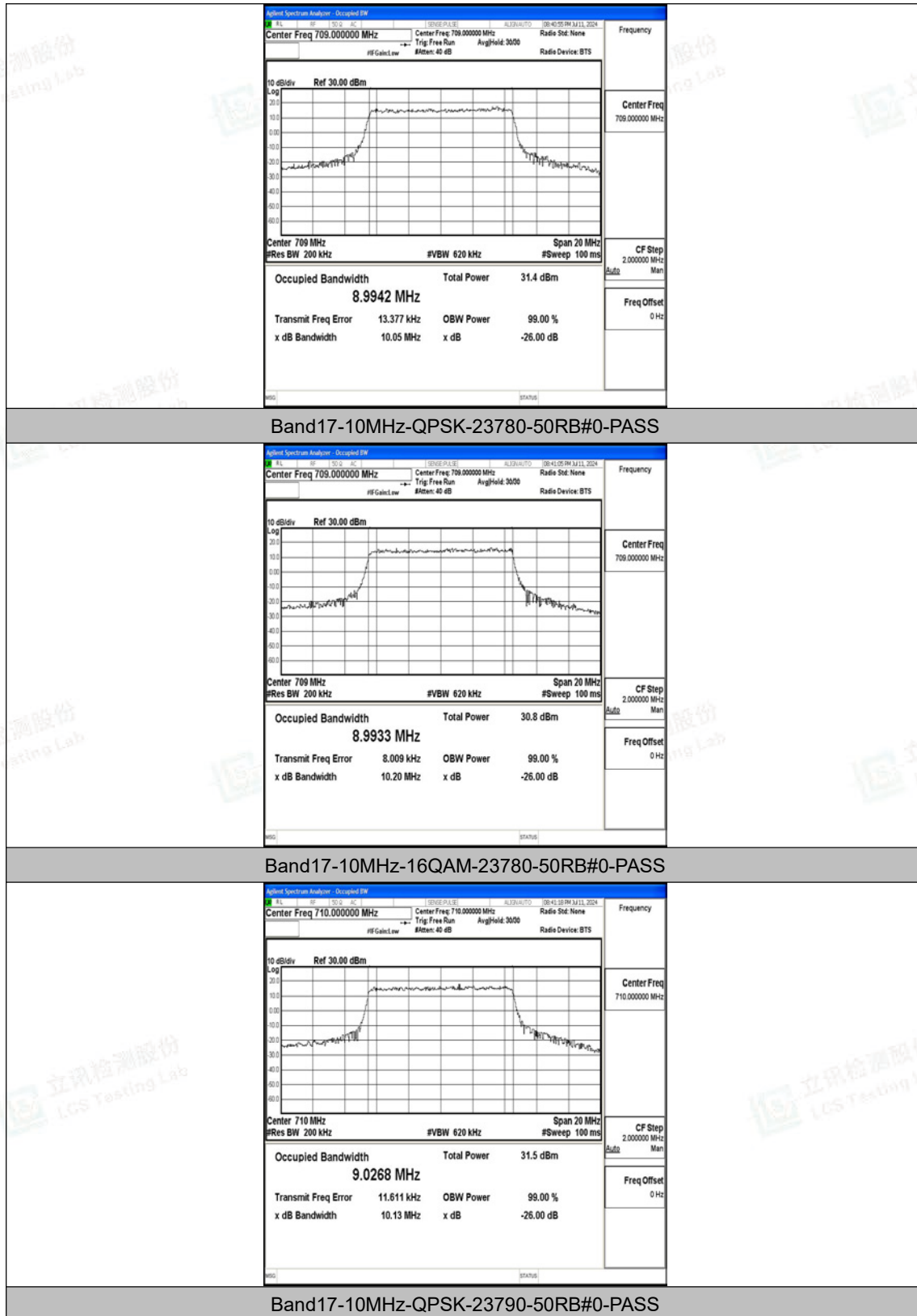


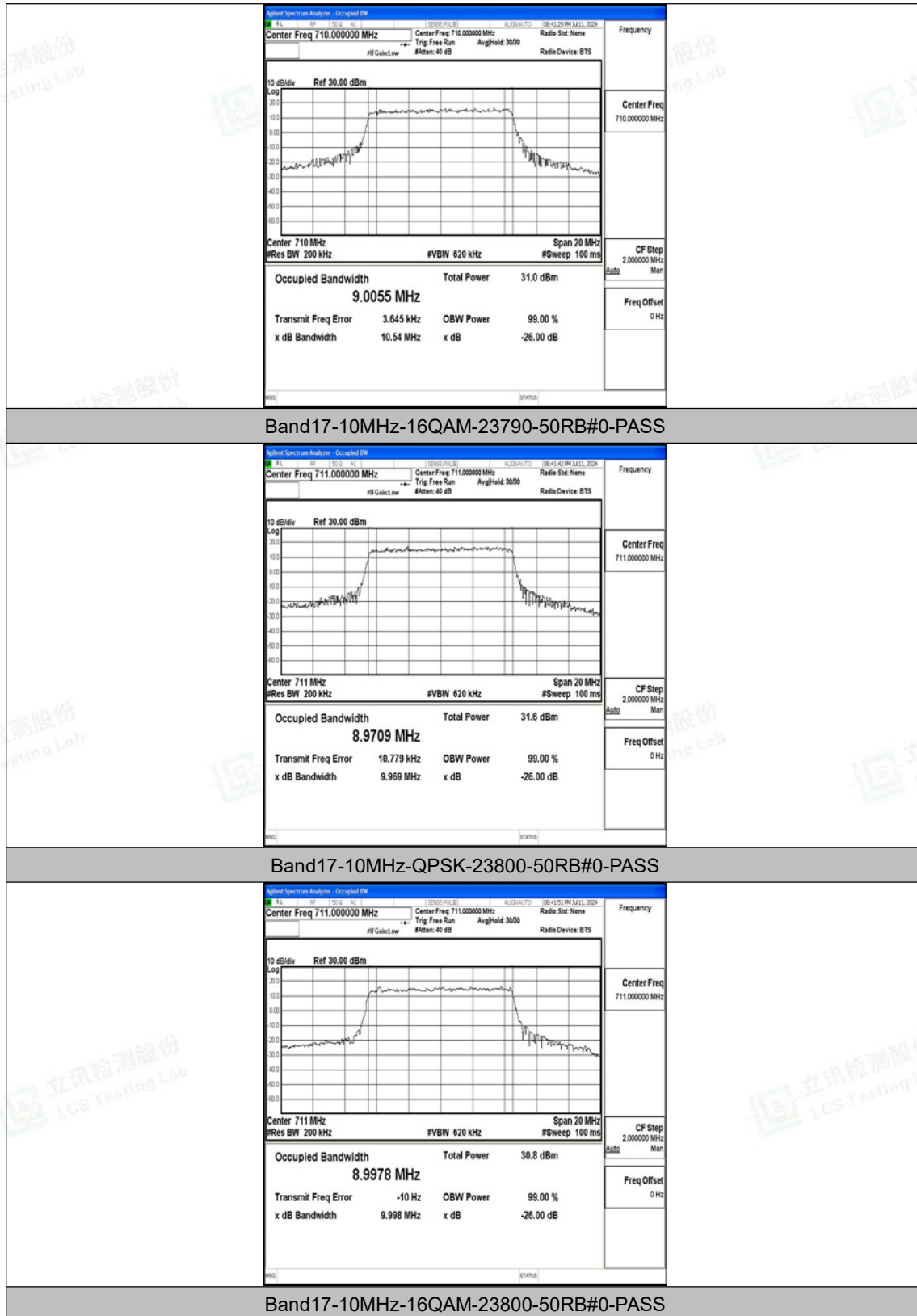
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K.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.83	-34.12	PASS
Band17	5MHz	16QAM	23755	25RB#0	703.89	-34.10	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.11	-35.75	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.12	-33.56	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.75	-37.26	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.72	-38.83	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.19	-38.23	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.27	-39.72	PASS



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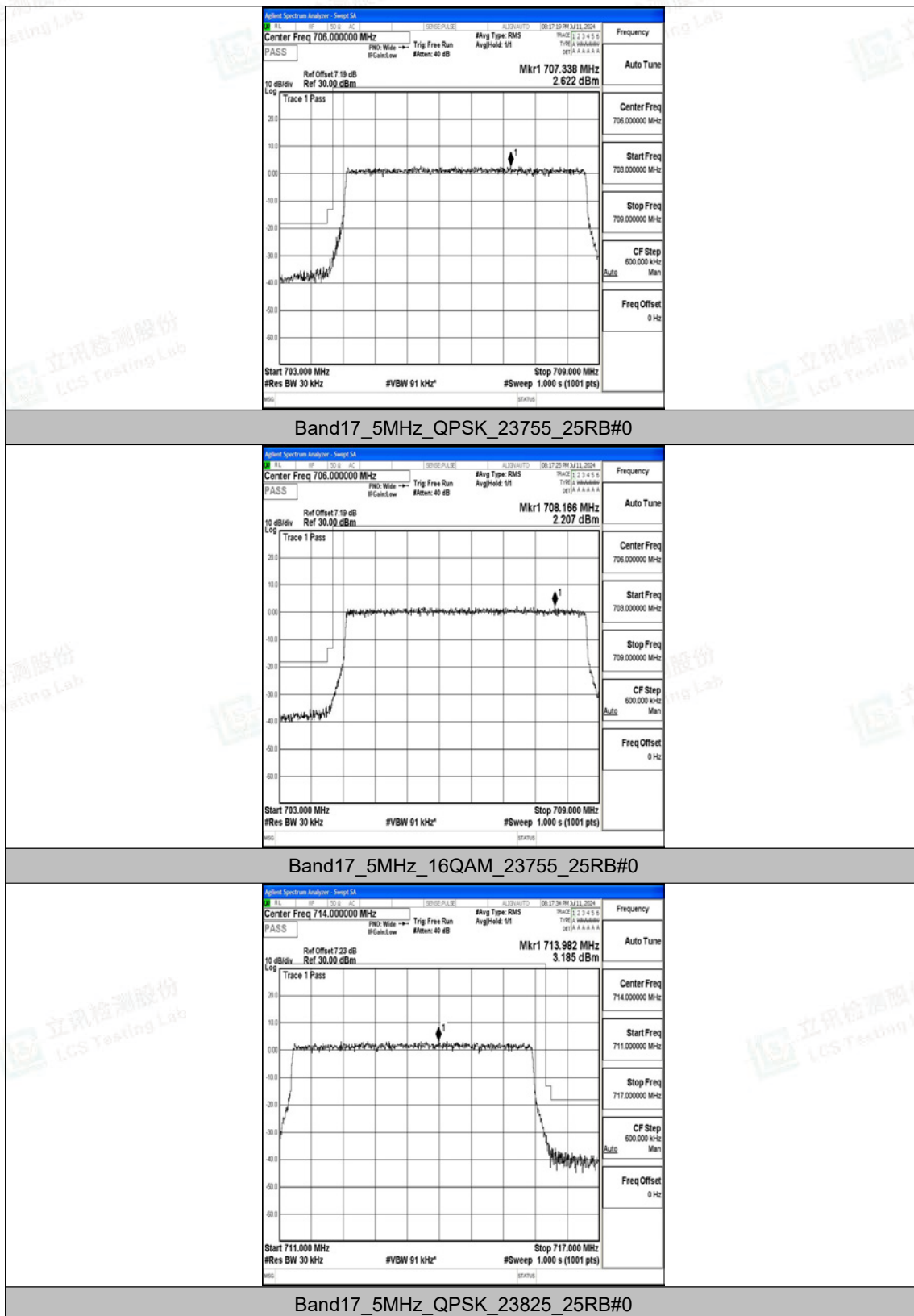
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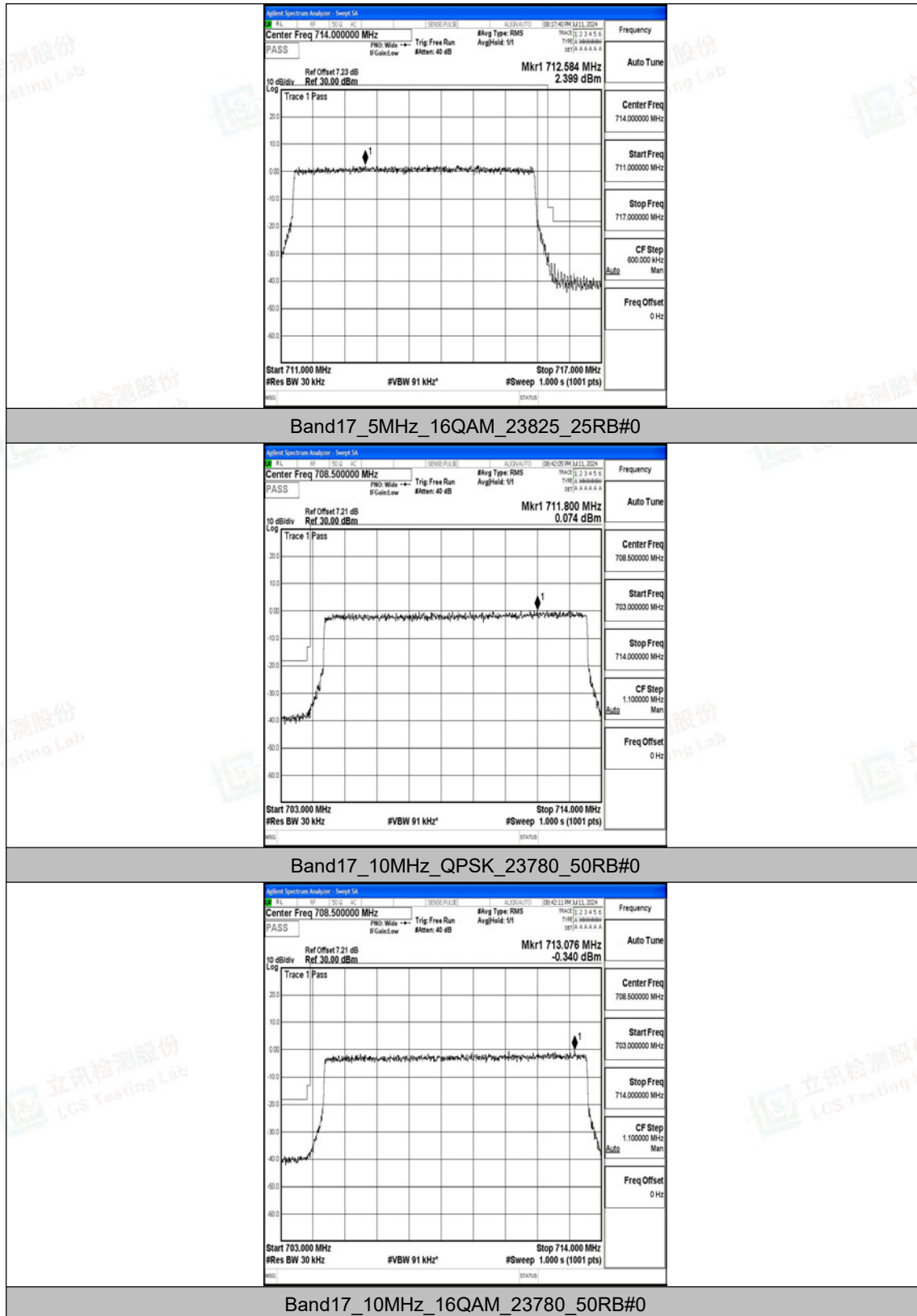
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Test Graphs



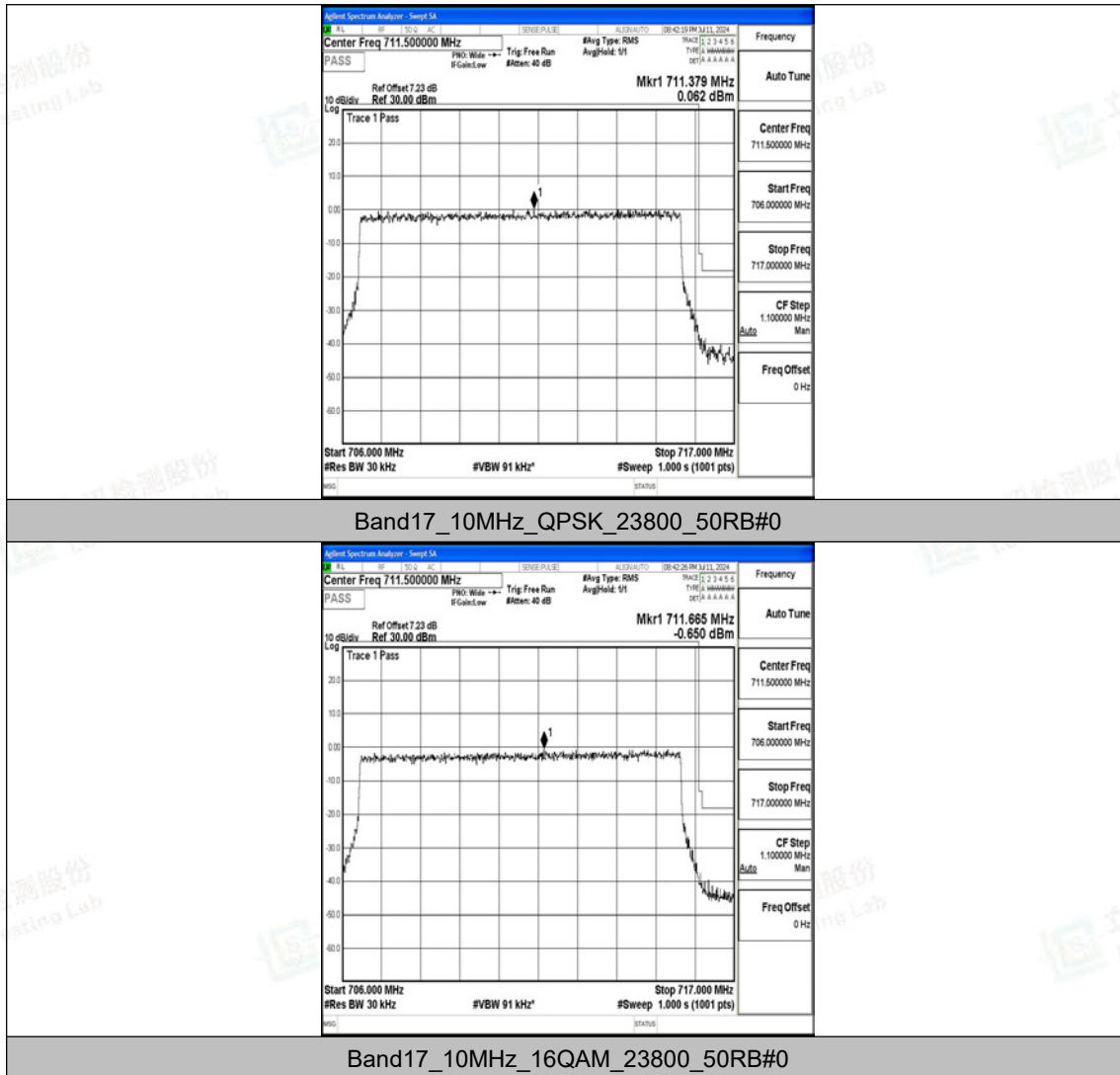


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K.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-58.54	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-50.23	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-59.65	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-45.49	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-44.37	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-55.66	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-51.98	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-60.92	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-45.22	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-43.78	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-58.58	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-52.08	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-59.54	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-44.82	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-43.91	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-55.85	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-53.78	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-61.85	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-44.99	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-43.78	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-58.79	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-52.59	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-59.93	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-44.04	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-43.75	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-60.94	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-52.21	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-58.16	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-43.28	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-43.94	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-55.84	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-52.89	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-62.09	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-44.94	PASS



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Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-44.07	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-59.87	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-52.80	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-61.99	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-44.07	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-43.89	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-54.66	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-50.66	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-62.05	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-45.03	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-43.62	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-60.10	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-51.28	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-62.14	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-43.61	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-44.12	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-59.10	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-52.36	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-62.04	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-44.43	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-43.68	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-54.60	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-52.62	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-61.84	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-44.46	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-44.23	PASS



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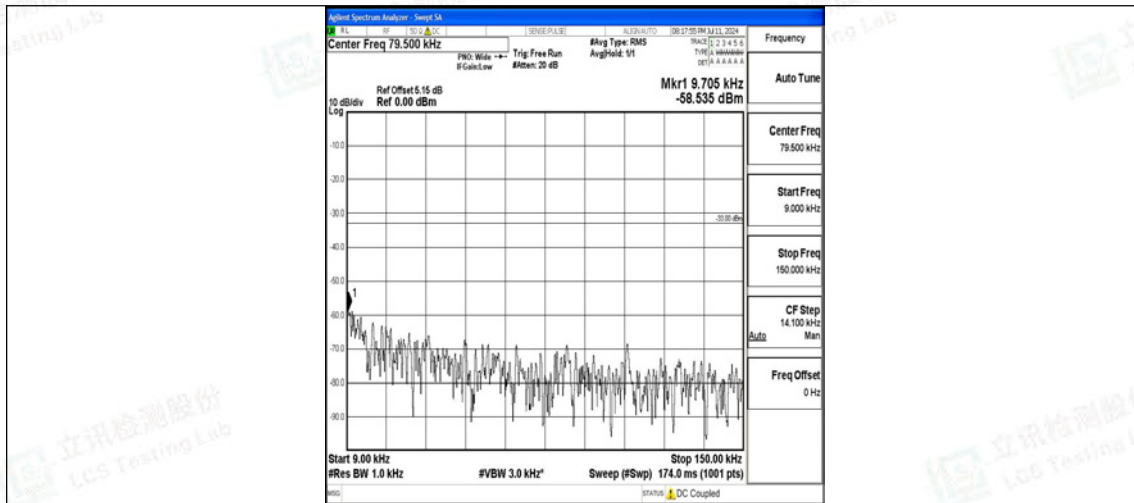
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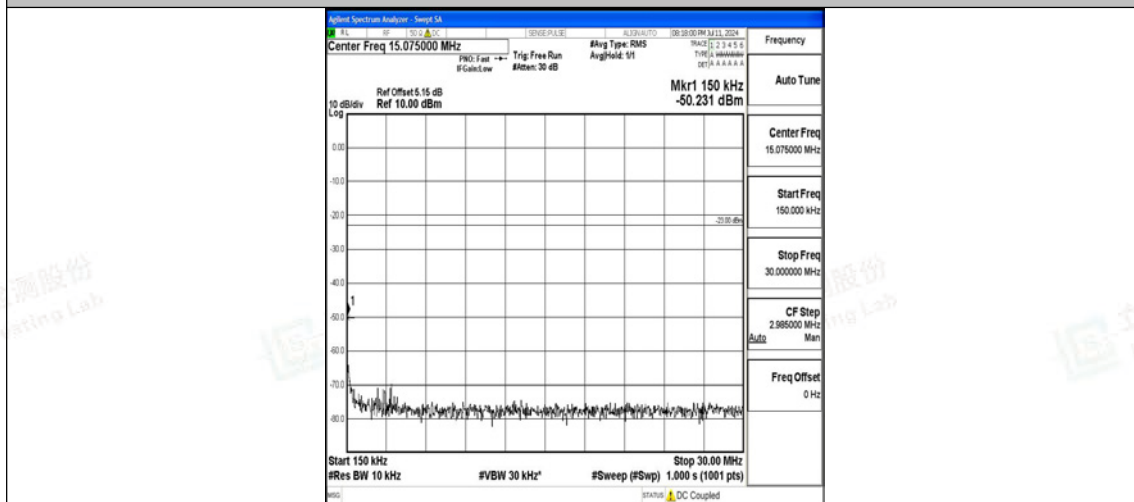
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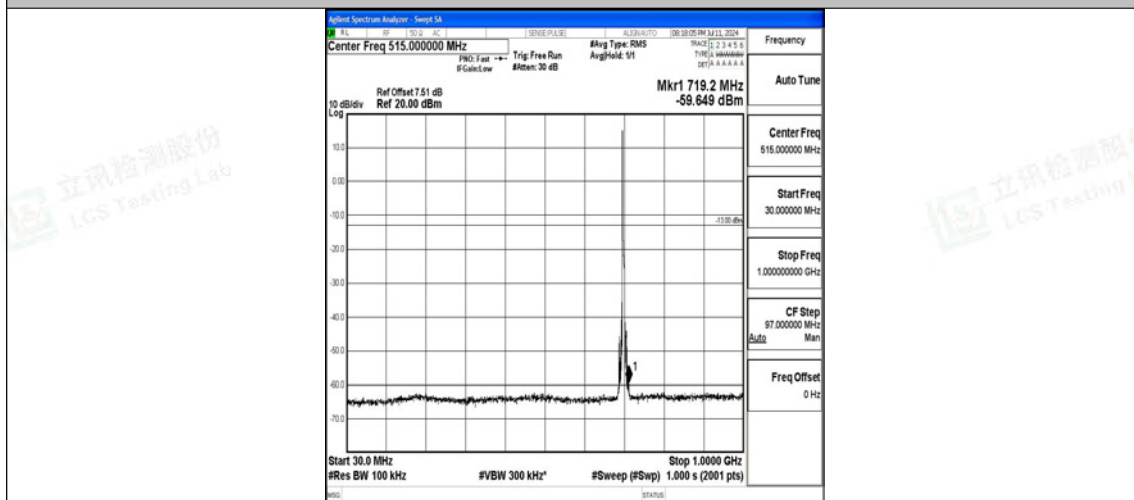
Test Graphs



Band17_5MHz_QPSK_23755_1RB#0_0.009~0.15_0.009~0.15

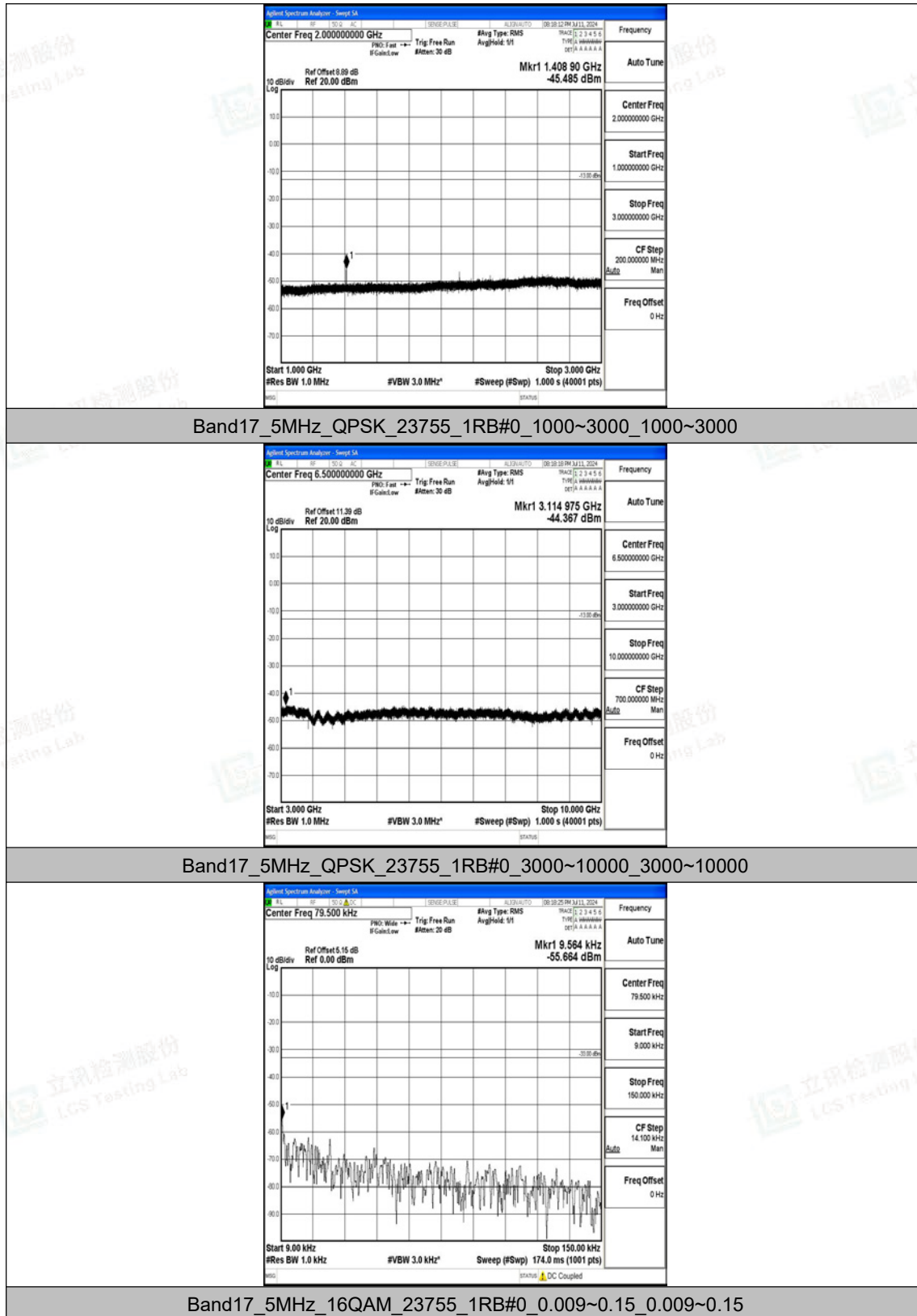


Band17_5MHz_QPSK_23755_1RB#0_0.15~30_0.15~30



Band17_5MHz_QPSK_23755_1RB#0_30~1000_30~1000





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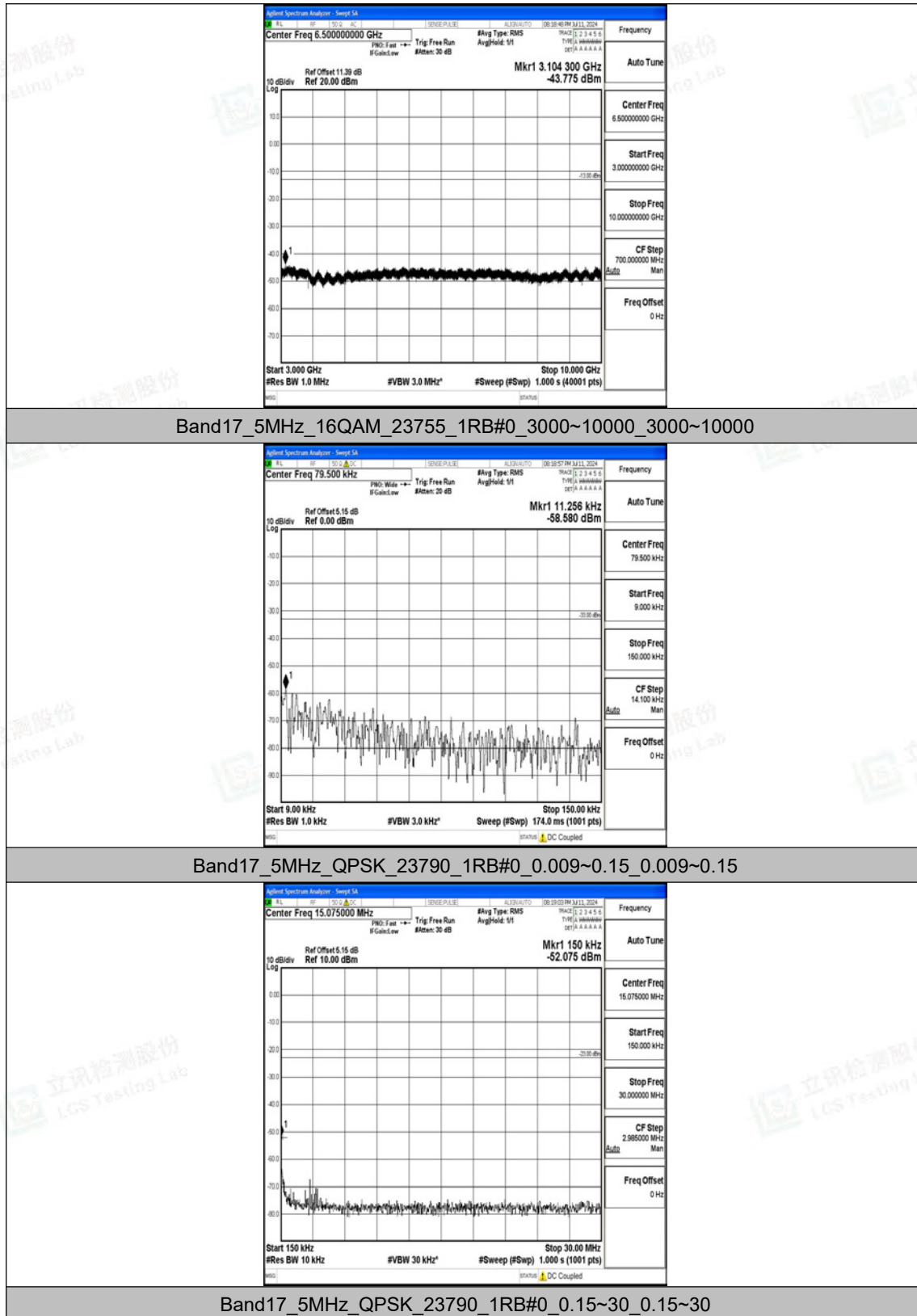


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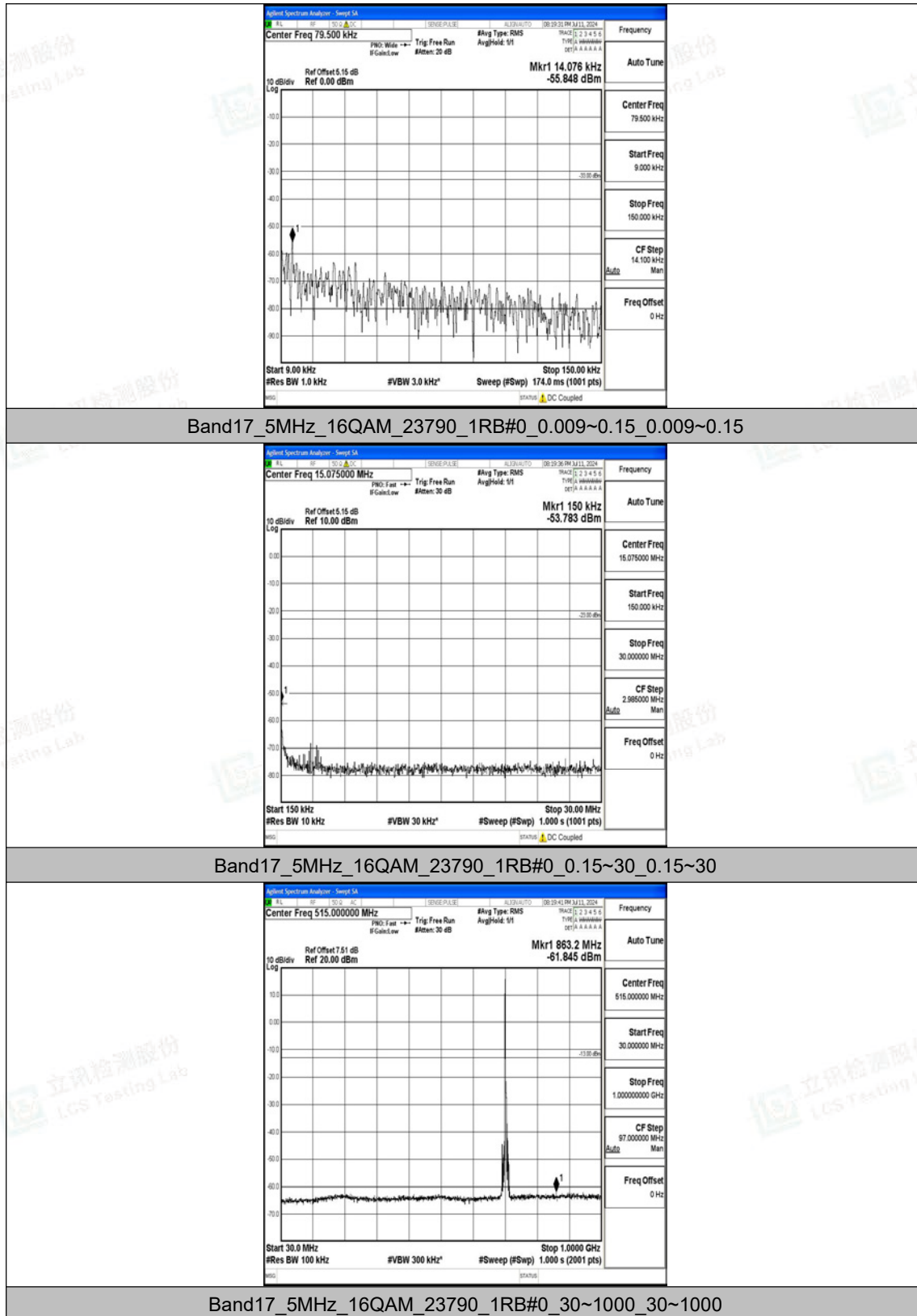


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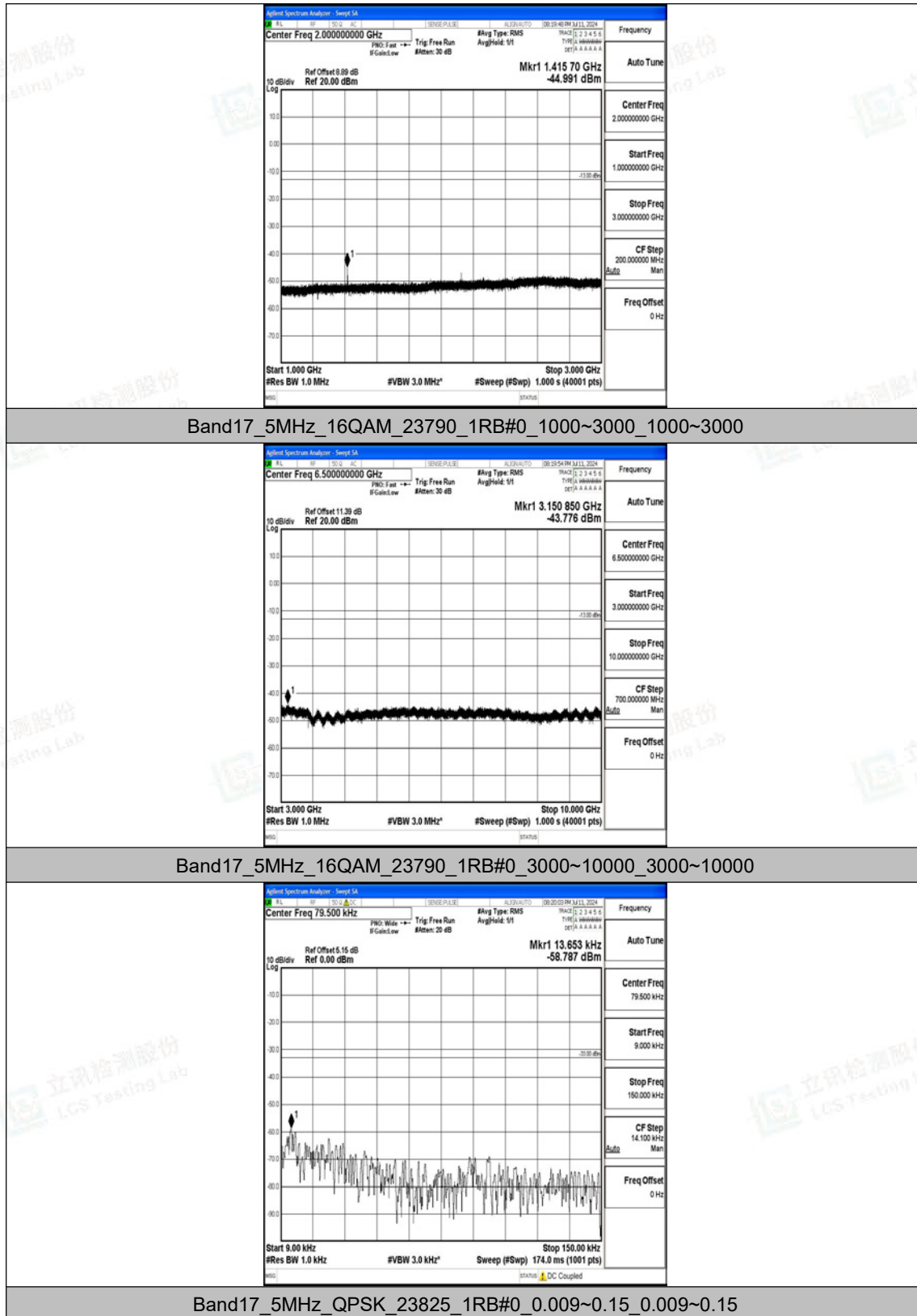


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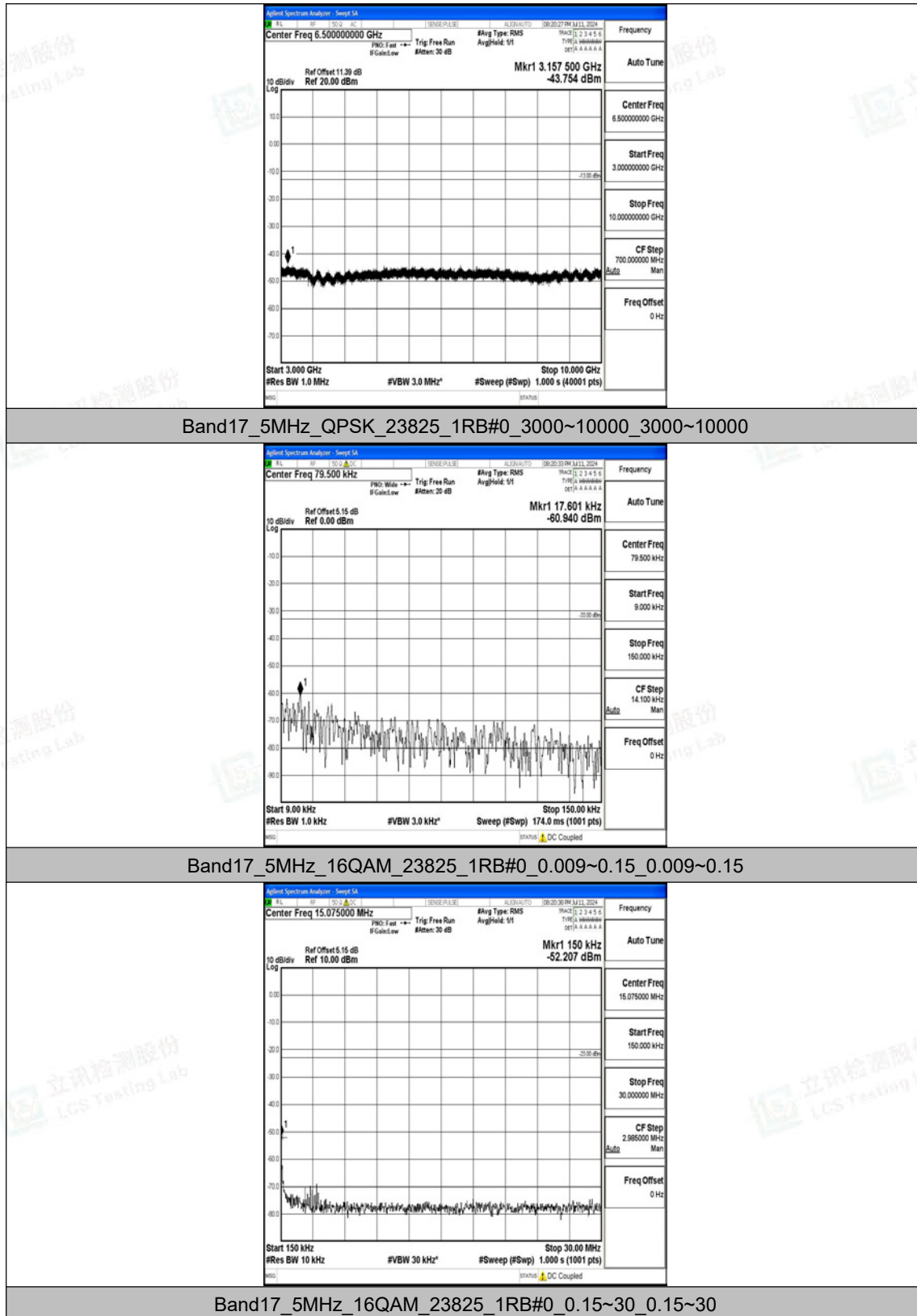


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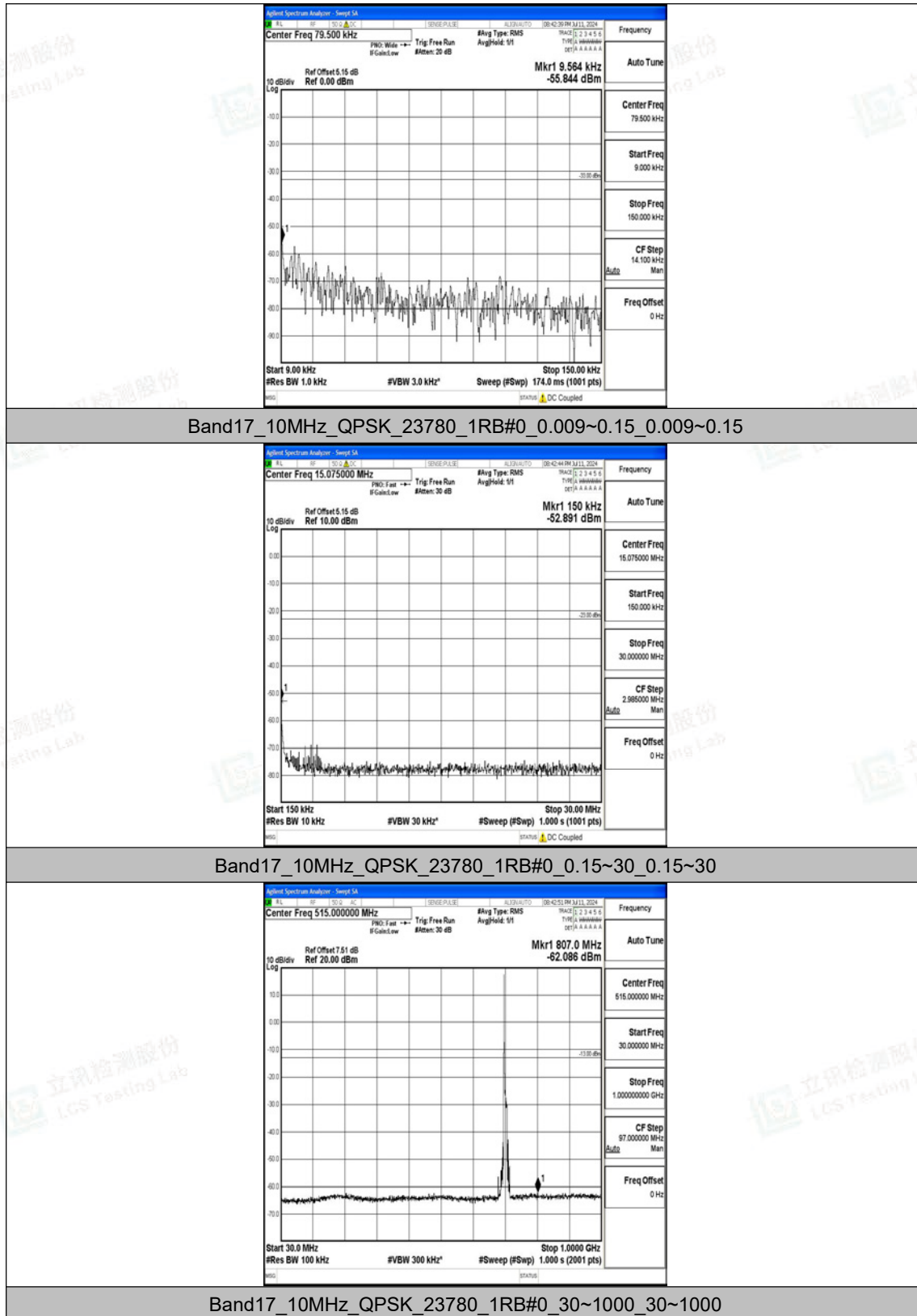


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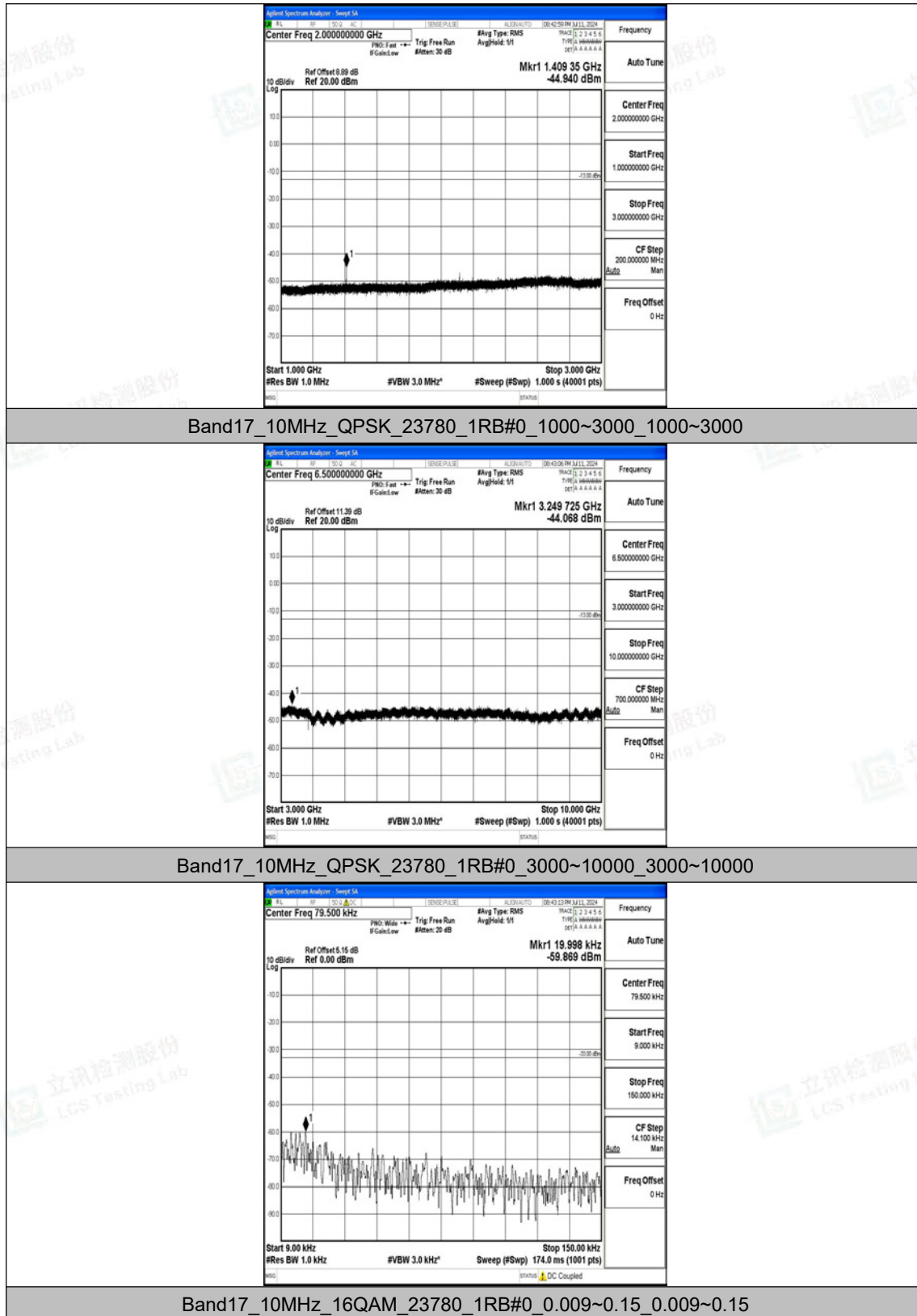


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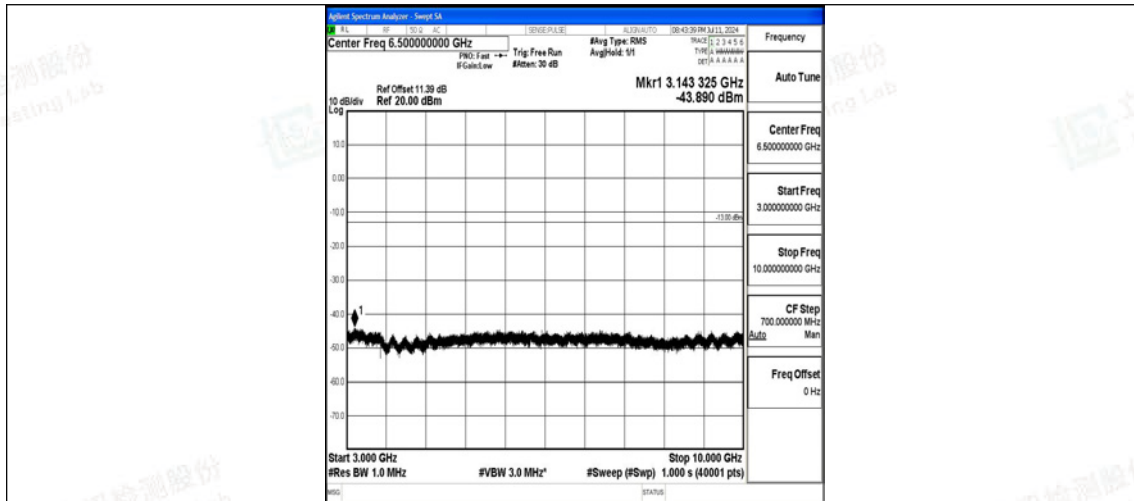


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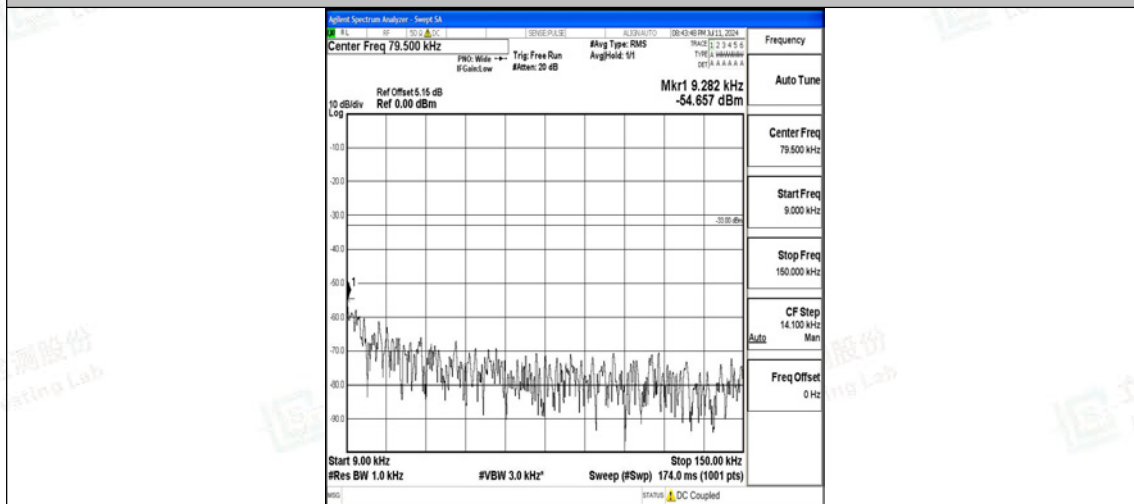
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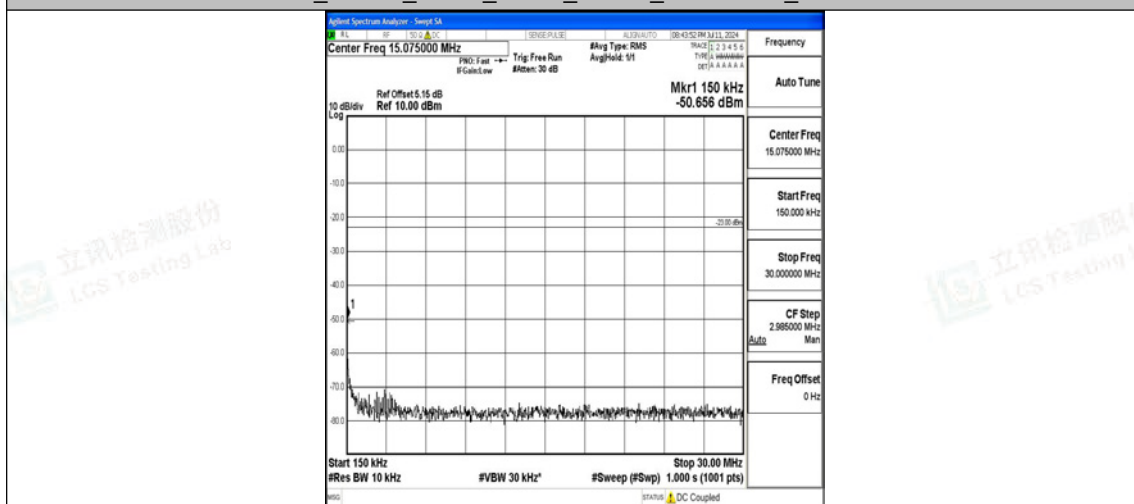
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Band17_10MHz_16QAM_23780_1RB#0_3000~10000_3000~10000



Band17_10MHz_QPSK_23790_1RB#0_0.009~0.15_0.009~0.15



Band17_10MHz_QPSK_23790_1RB#0_0.15~30_0.15~30



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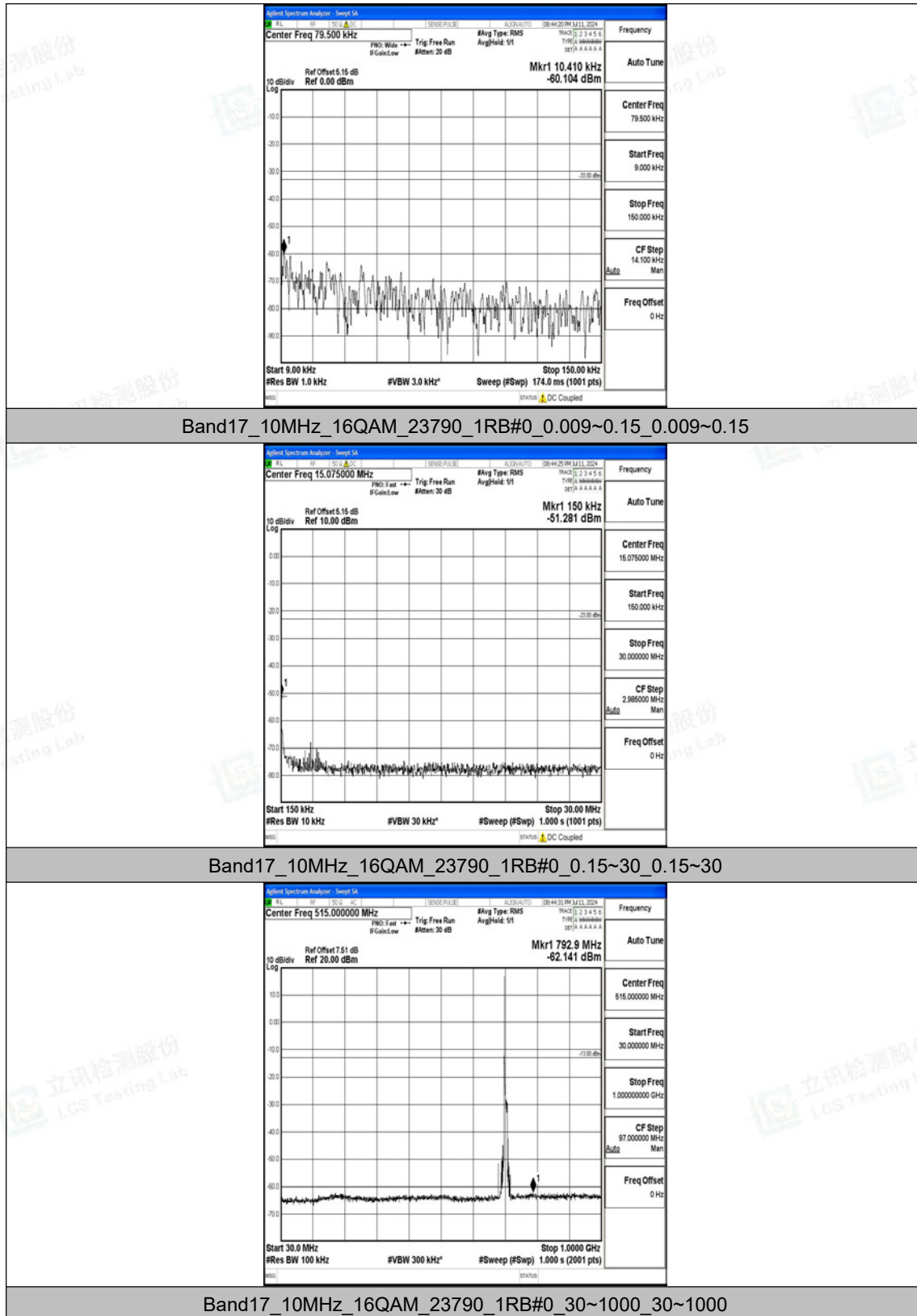


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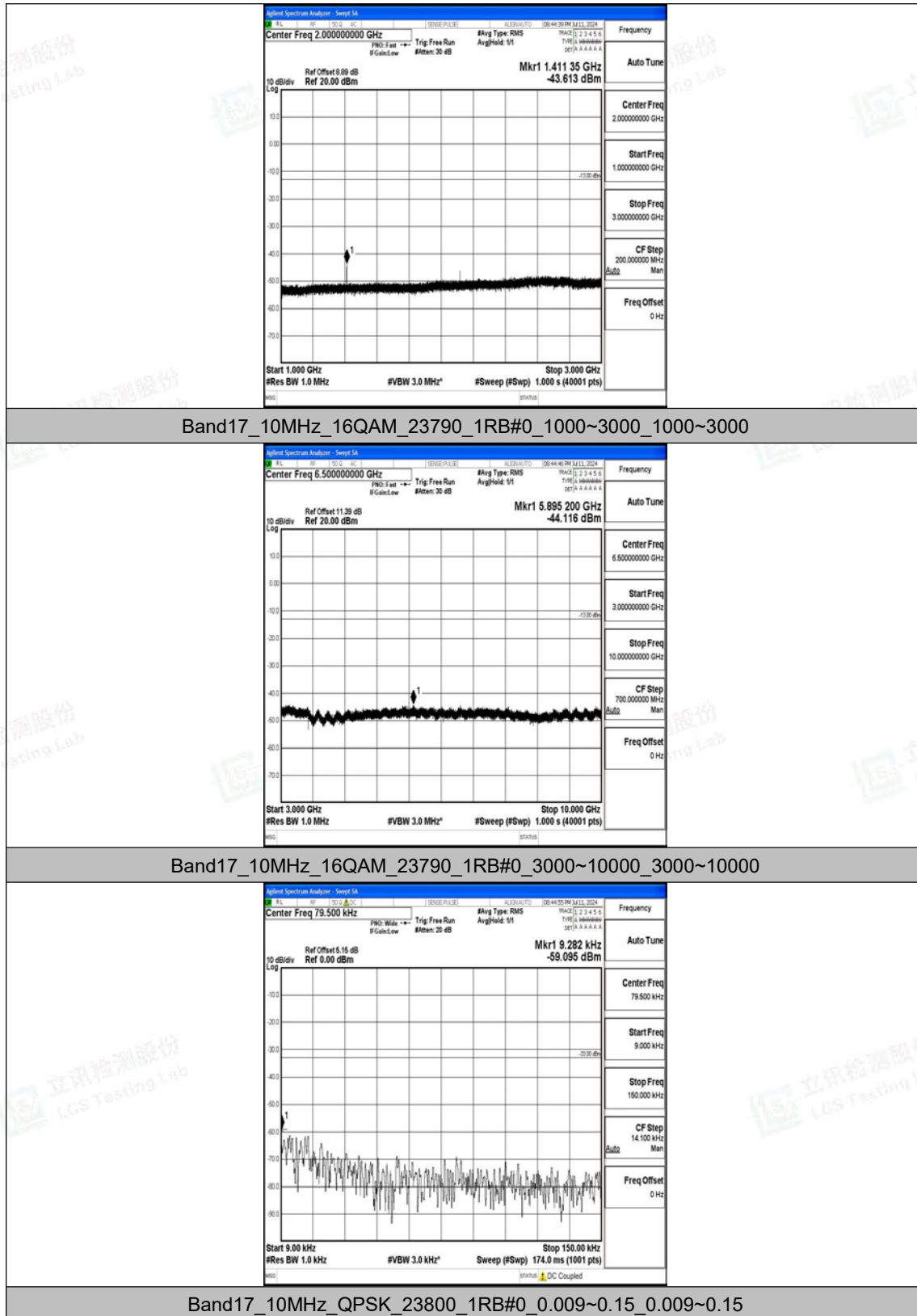


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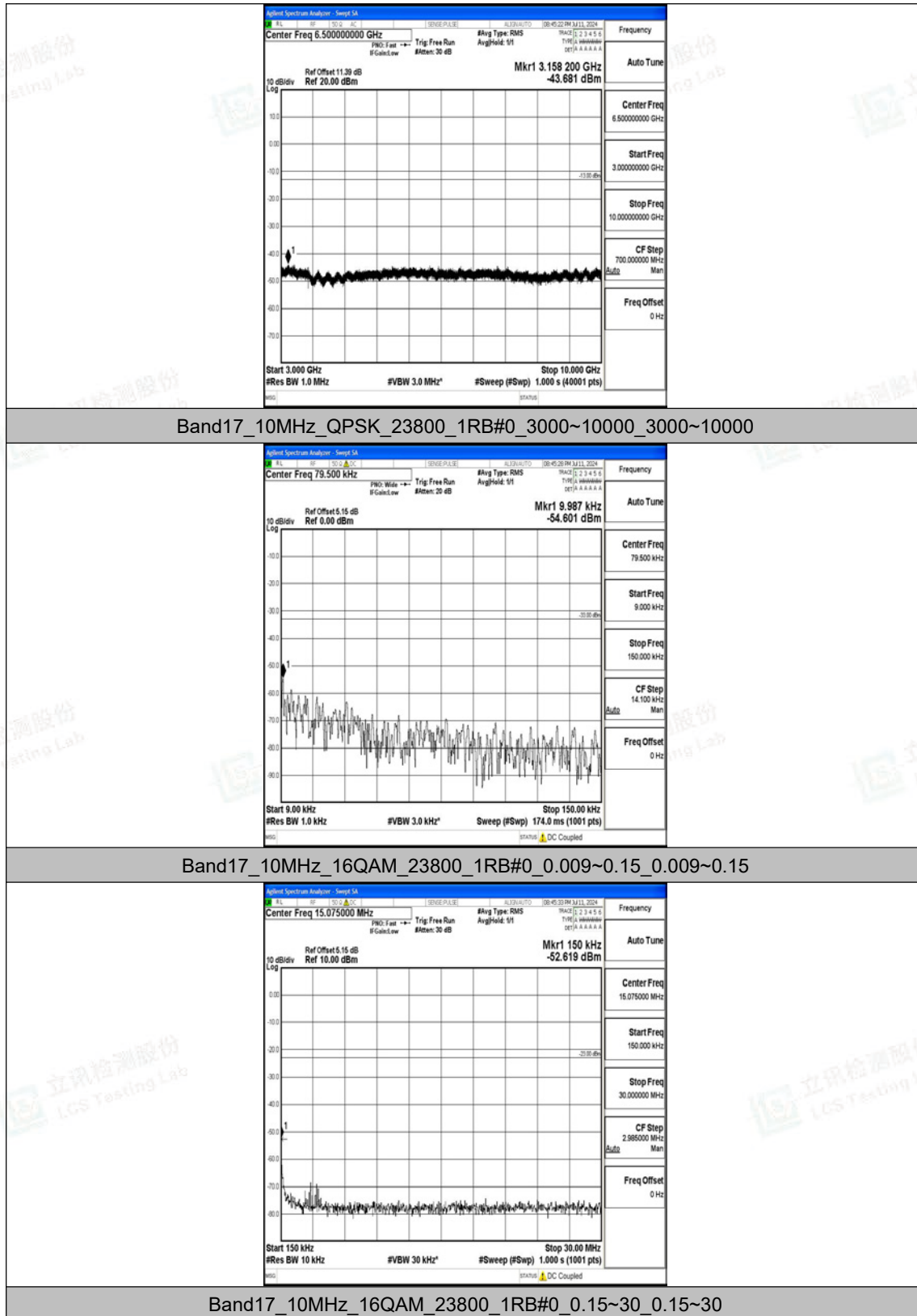


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