



Appendix F: Test Data for E-UTRA Band 12

Product Name: Mobile Phone

Test Model: FLIP 4G

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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F.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.85	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.75	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	22.83	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.82	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.8	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	22.79	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.76	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.7	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	22.76	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.91	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.68	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	22.9	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.87	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.68	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	22.87	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.89	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.68	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	22.84	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.82	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.99	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	21.85	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.76	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.81	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	22.72	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.8	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.76	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	22.9	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.65	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.72	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	22.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.89	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.63	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	22.9	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.88	PASS



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Band12	1.4MHz	16QAM	23095	3RB#1	21.65	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	22.89	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.89	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.69	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	22.89	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.85	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.06	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	21.75	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.73	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.83	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	22.59	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.69	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.63	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	22.64	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.68	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.54	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	22.72	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.68	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.51	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	22.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.74	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.49	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	22.75	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.71	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.52	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	22.73	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.74	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.88	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	21.74	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.86	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.79	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.97	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.86	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.86	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.82	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.73	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.65	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.92	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.9	PASS
Band12	3MHz	64QAM	23025	8RB#0	20.81	PASS



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Band12	3MHz	QPSK	23025	8RB#4	21.8	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.85	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.89	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.94	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.93	PASS
Band12	3MHz	64QAM	23025	8RB#7	20.86	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.87	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.93	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.93	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.82	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.67	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.68	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.88	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.7	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.79	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.73	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.57	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.58	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.92	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.87	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.97	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.87	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.94	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.93	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.9	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.89	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.83	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.83	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.87	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.86	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.73	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.86	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.8	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.98	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.95	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.96	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.68	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.84	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.76	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.96	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.94	PASS



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Band12	3MHz	64QAM	23165	8RB#0	20.92	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.95	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.96	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.93	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.78	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.79	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.83	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.83	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.81	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.67	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.9	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.93	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.75	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.05	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.91	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.62	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.91	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.91	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.85	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.87	PASS
Band12	5MHz	64QAM	23035	12RB#0	21.88	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.94	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.97	PASS
Band12	5MHz	64QAM	23035	12RB#6	22.01	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.85	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.85	PASS
Band12	5MHz	64QAM	23035	12RB#13	21.91	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.93	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.88	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.89	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.65	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.65	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.58	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.82	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.6	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.64	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.78	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.57	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.61	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.62	PASS



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Band12	5MHz	16QAM	23095	12RB#0	21.58	PASS
Band12	5MHz	64QAM	23095	12RB#0	21.58	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.74	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.69	PASS
Band12	5MHz	64QAM	23095	12RB#6	21.67	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.64	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.6	PASS
Band12	5MHz	64QAM	23095	12RB#13	21.48	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.88	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.86	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.86	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.65	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.73	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.72	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.8	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.87	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.87	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.7	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.81	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.6	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.7	PASS
Band12	5MHz	64QAM	23155	12RB#0	21.75	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.86	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.92	PASS
Band12	5MHz	64QAM	23155	12RB#6	21.89	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.79	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.78	PASS
Band12	5MHz	64QAM	23155	12RB#13	21.72	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.84	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.75	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.78	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.6	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.84	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.84	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.99	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.15	PASS
Band12	10MHz	64QAM	23060	1RB#24	22.18	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.53	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.69	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.79	PASS



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Band12	10MHz	QPSK	23060	25RB#0	21.83	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.76	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.83	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.8	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.78	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.82	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.79	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.81	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.8	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.55	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.47	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.48	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.8	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.75	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.88	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.56	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.4	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.43	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.95	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.93	PASS
Band12	10MHz	64QAM	23095	25RB#0	21	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.99	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.01	PASS
Band12	10MHz	64QAM	23095	25RB#12	21.02	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.85	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.92	PASS
Band12	10MHz	64QAM	23095	25RB#25	20.9	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.9	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.92	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.89	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.59	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.55	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.57	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.91	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.84	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.86	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.49	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.27	PASS



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Band12	10MHz	64QAM	23130	1RB#49	21.34	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.91	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.91	PASS
Band12	10MHz	64QAM	23130	25RB#0	20.9	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.87	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.89	PASS
Band12	10MHz	64QAM	23130	25RB#12	20.86	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.75	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.82	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.83	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.86	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.8	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.81	PASS



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F.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	4.61	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.13	13	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	4.61	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.29	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.01	13	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	5.30	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.65	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.17	13	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	4.68	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.31	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.03	13	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	5.33	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.17	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.70	13	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	4.17	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.82	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.48	13	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	4.82	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.83	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.73	13	PASS
Band12	3MHz	64QAM	23025	1RB#0	4.82	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.35	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.12	13	PASS
Band12	3MHz	64QAM	23025	15RB#0	5.35	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.76	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.58	13	PASS
Band12	3MHz	64QAM	23095	1RB#0	4.78	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.37	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.08	13	PASS
Band12	3MHz	64QAM	23095	15RB#0	5.36	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.49	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.28	13	PASS
Band12	3MHz	64QAM	23165	1RB#0	4.52	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.97	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.72	13	PASS
Band12	3MHz	64QAM	23165	15RB#0	4.97	13	PASS



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Band12	5MHz	QPSK	23035	1RB#0	4.90	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.62	13	PASS
Band12	5MHz	64QAM	23035	1RB#0	4.84	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.50	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.13	13	PASS
Band12	5MHz	64QAM	23035	25RB#0	5.48	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.78	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.58	13	PASS
Band12	5MHz	64QAM	23095	1RB#0	4.77	13	PASS
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Band12	5MHz	16QAM	23095	25RB#0	6.11	13	PASS
Band12	5MHz	64QAM	23095	25RB#0	5.49	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.82	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.55	13	PASS
Band12	5MHz	64QAM	23155	1RB#0	4.76	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.30	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.93	13	PASS
Band12	5MHz	64QAM	23155	25RB#0	5.29	13	PASS
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Band12	10MHz	16QAM	23060	1RB#0	5.51	13	PASS
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Band12	10MHz	QPSK	23130	50RB#0	5.39	13	PASS
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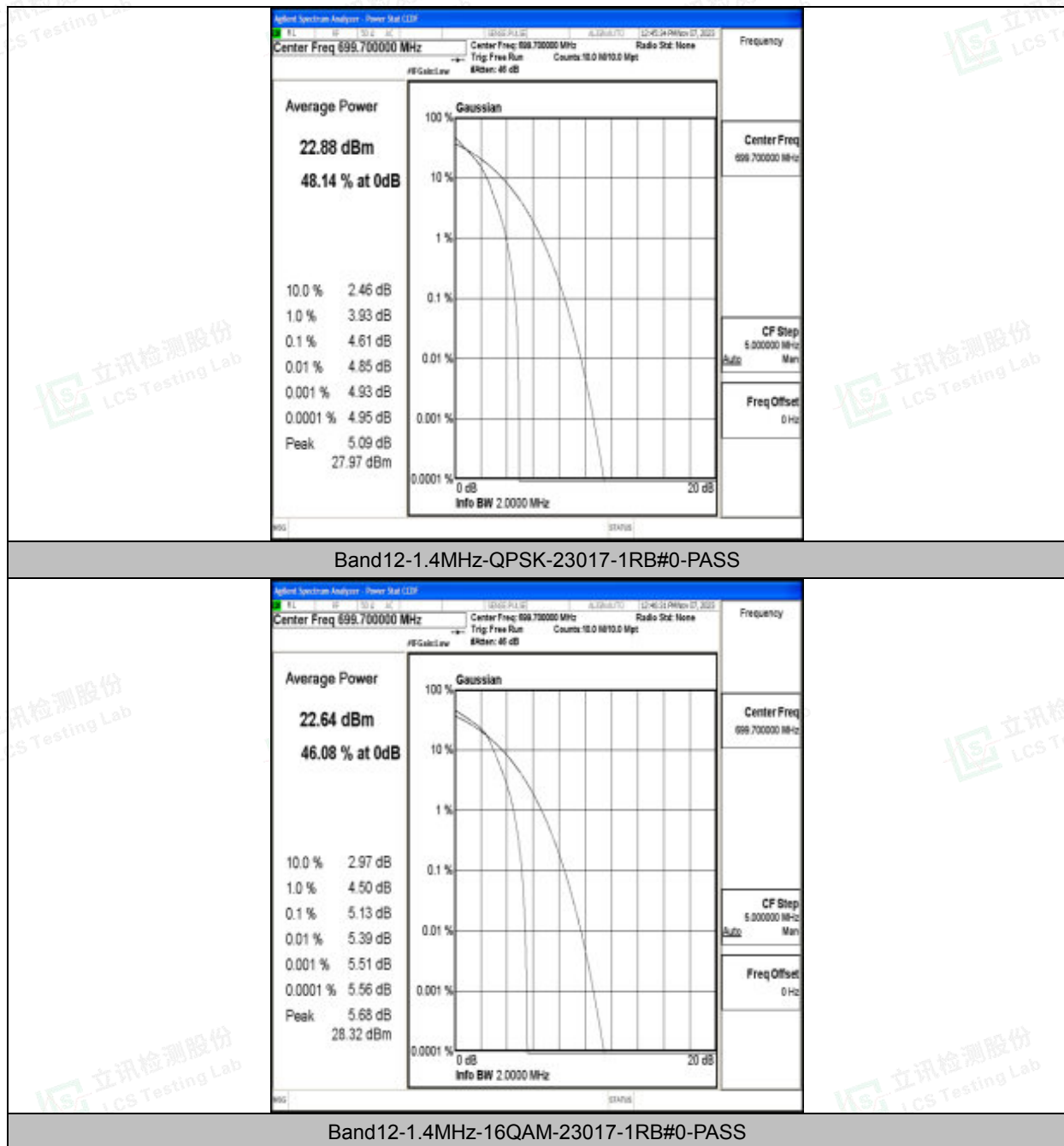
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Test Graphs

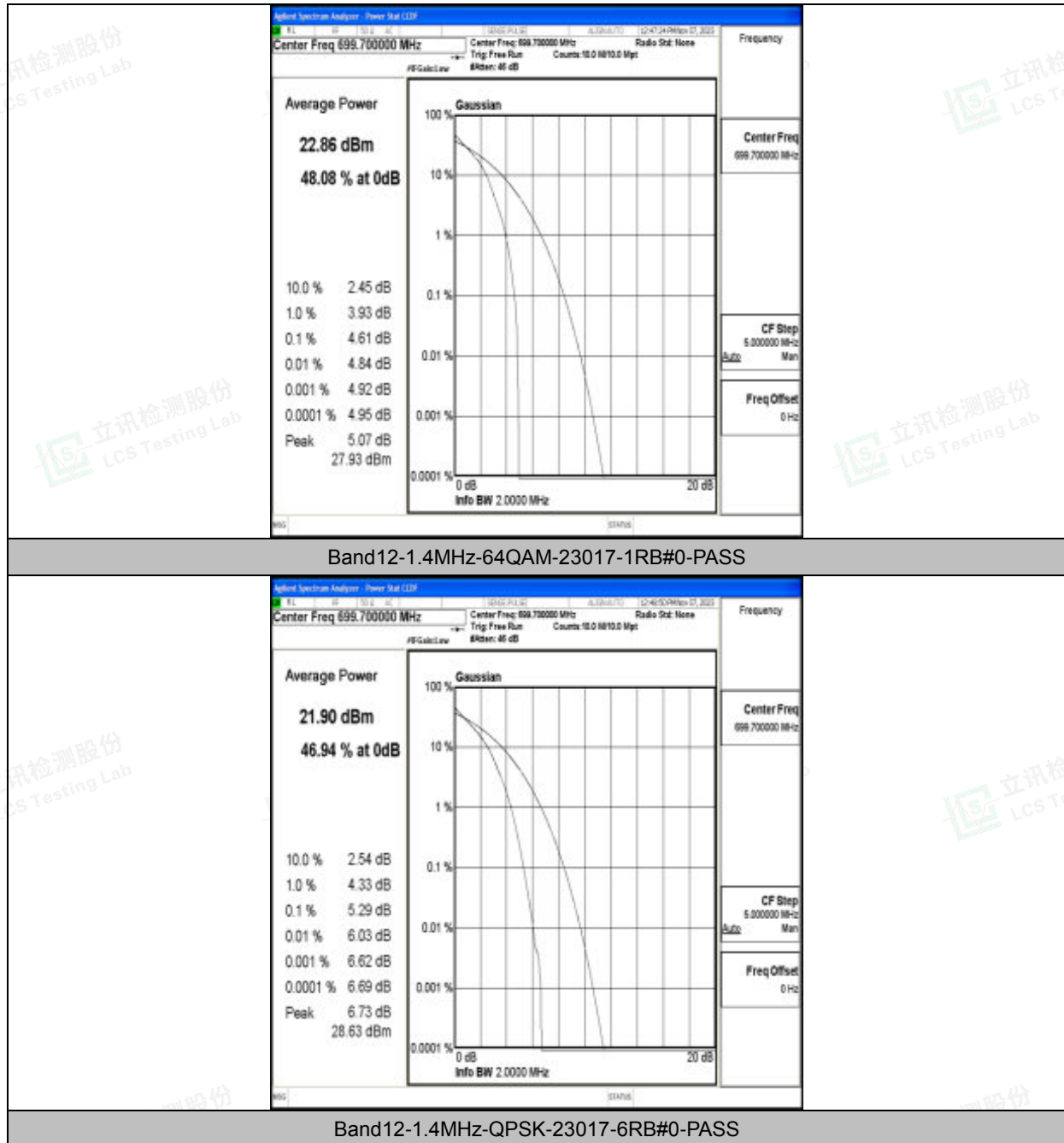


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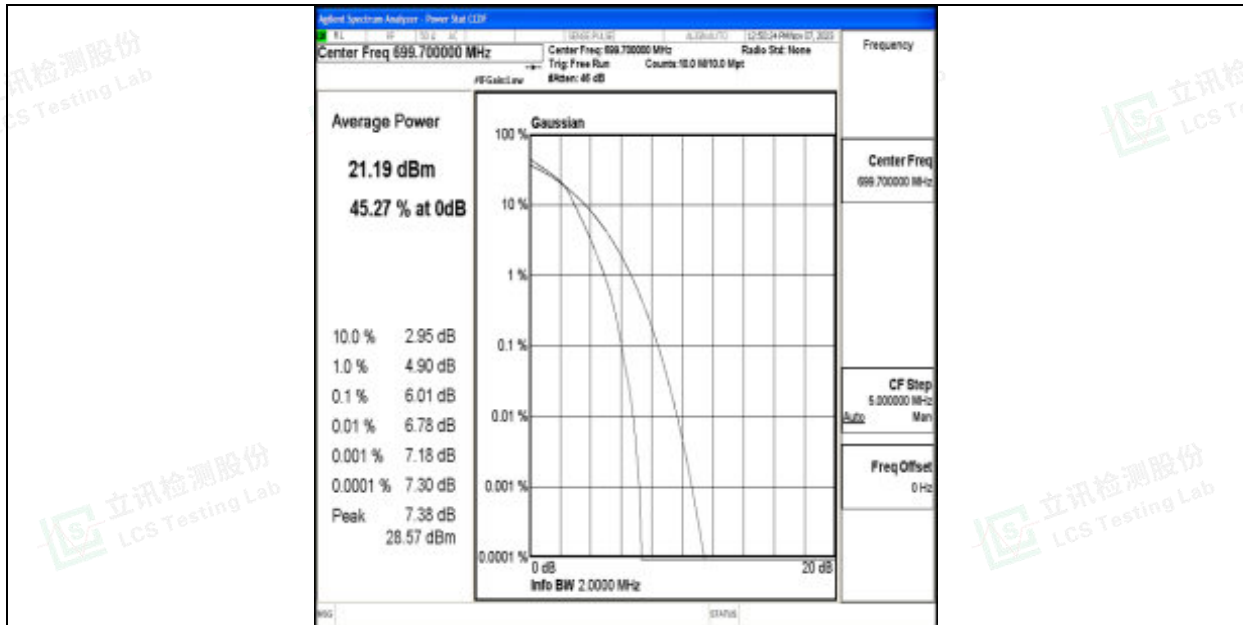


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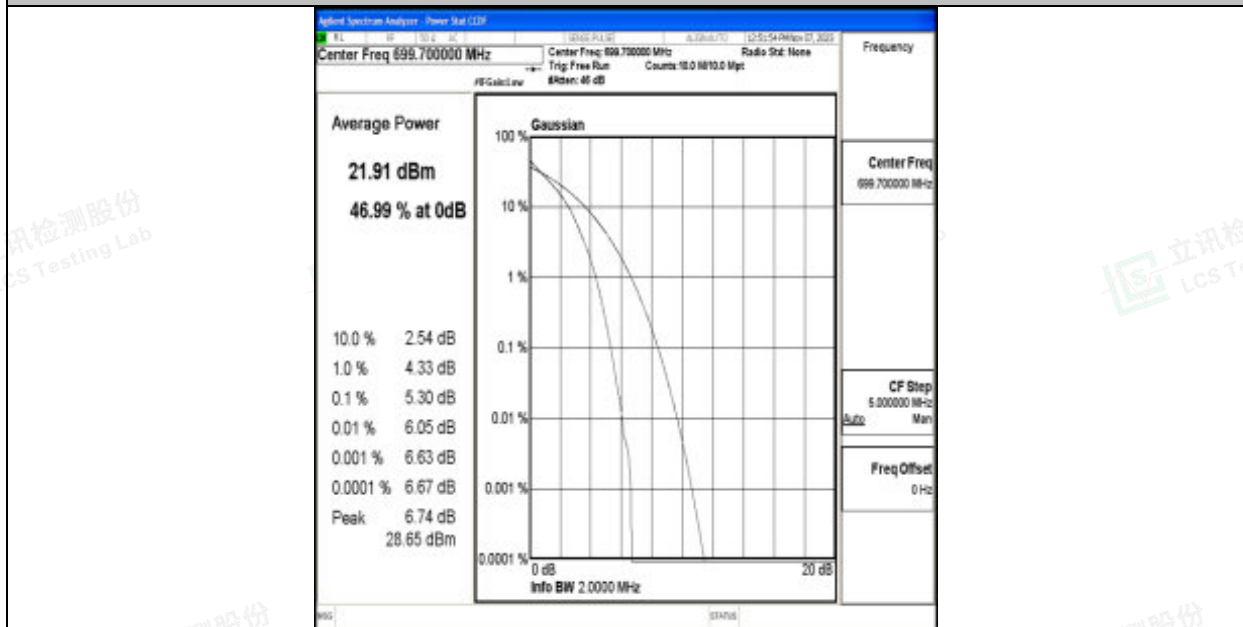
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Band12-1.4MHz-16QAM-23017-6RB#0-PASS



Band12-1.4MHz-64QAM-23017-6RB#0-PASS

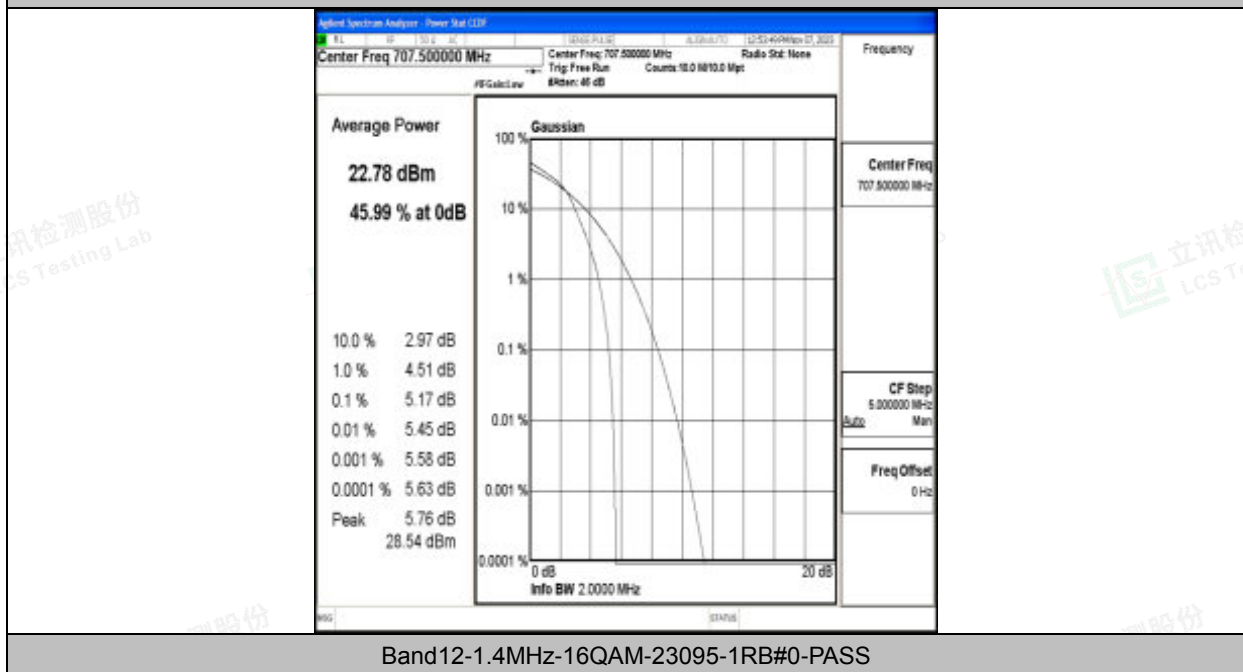
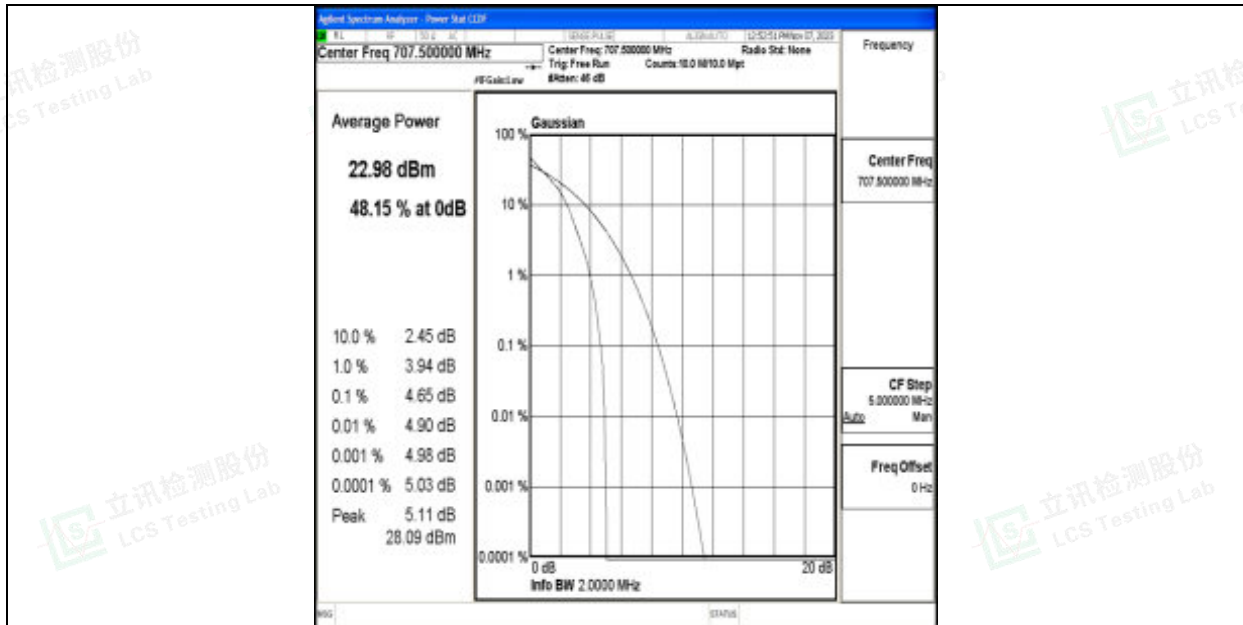


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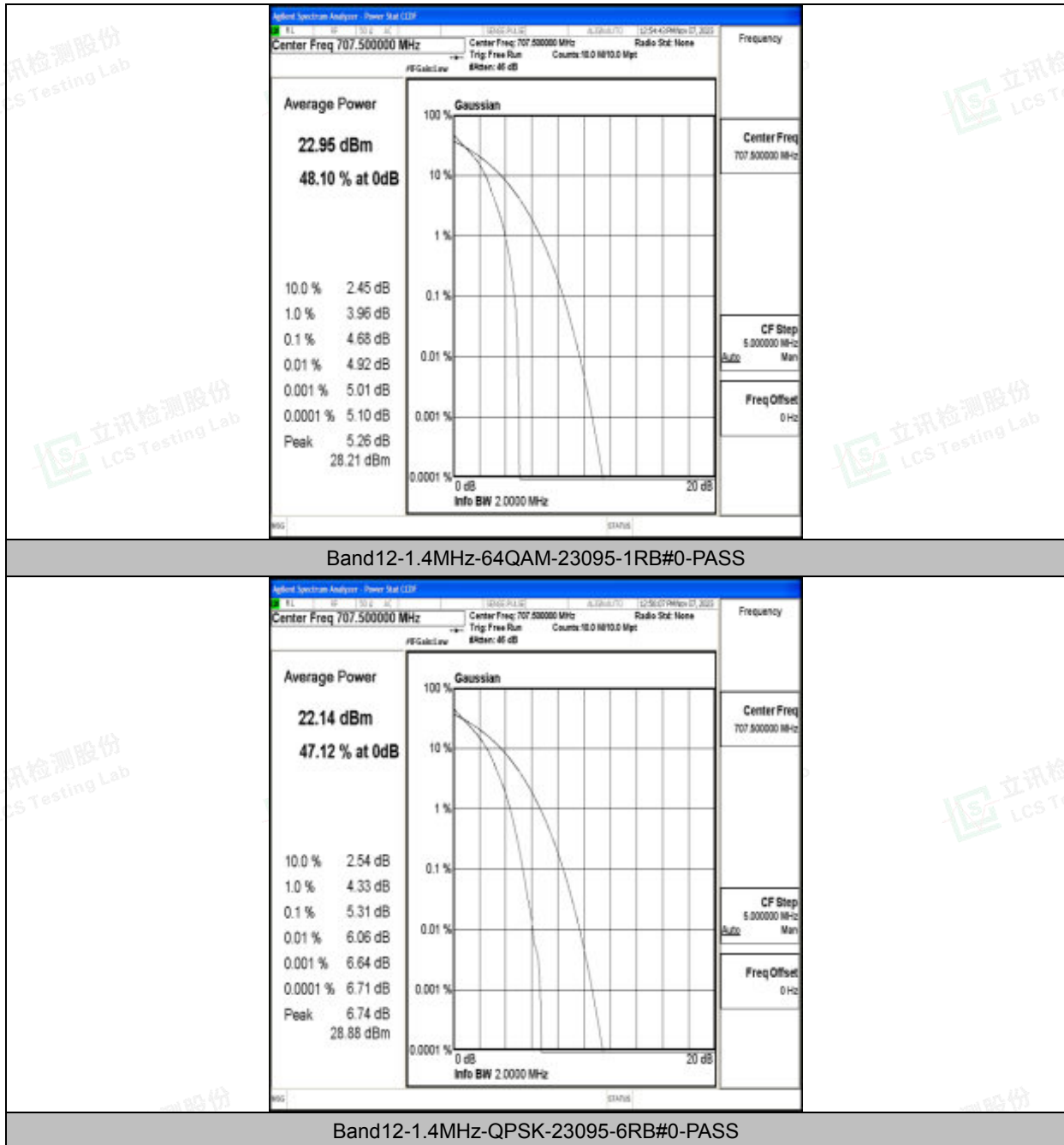


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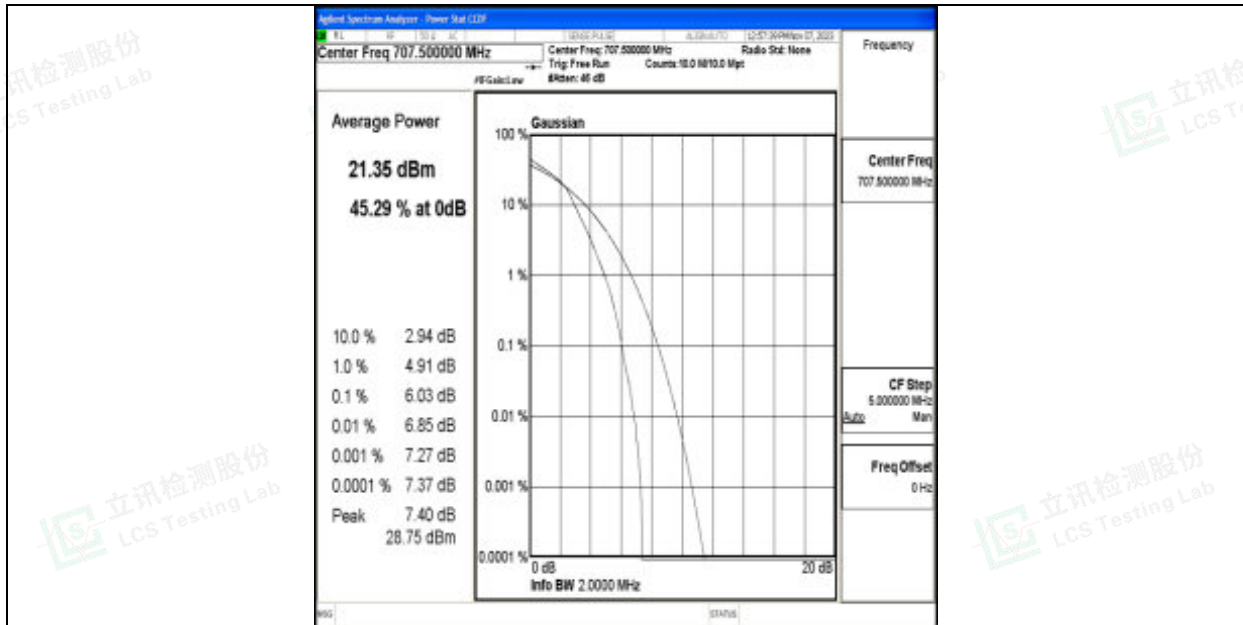


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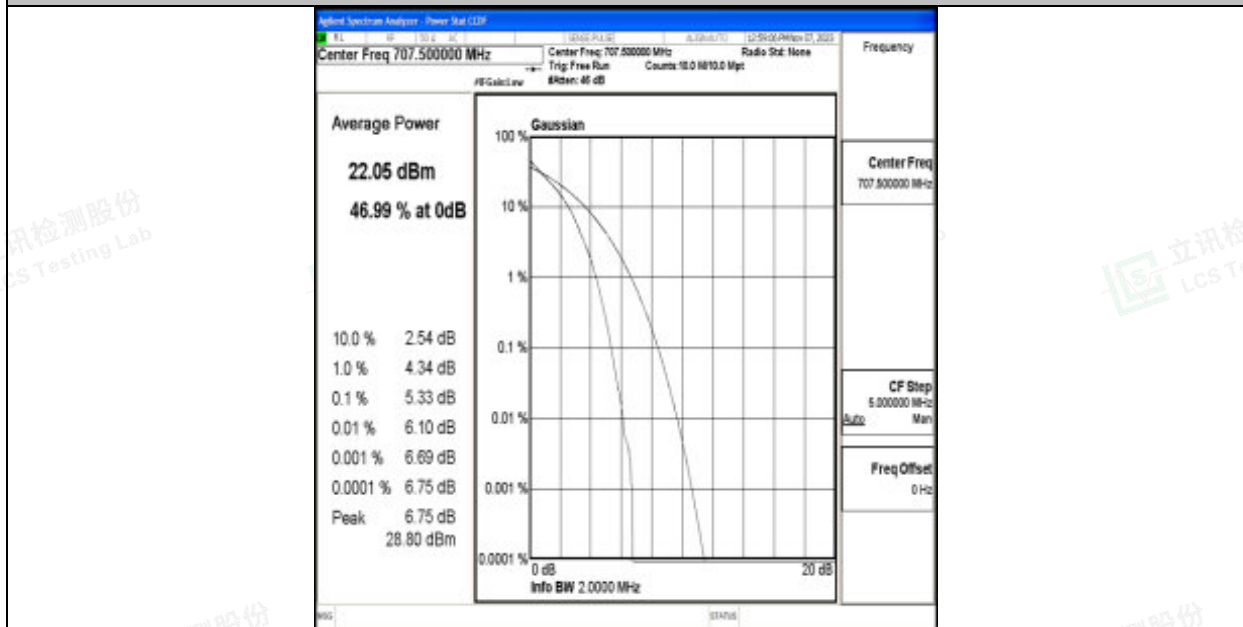
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Band12-1.4MHz-16QAM-23095-6RB#0-PASS



Band12-1.4MHz-64QAM-23095-6RB#0-PASS

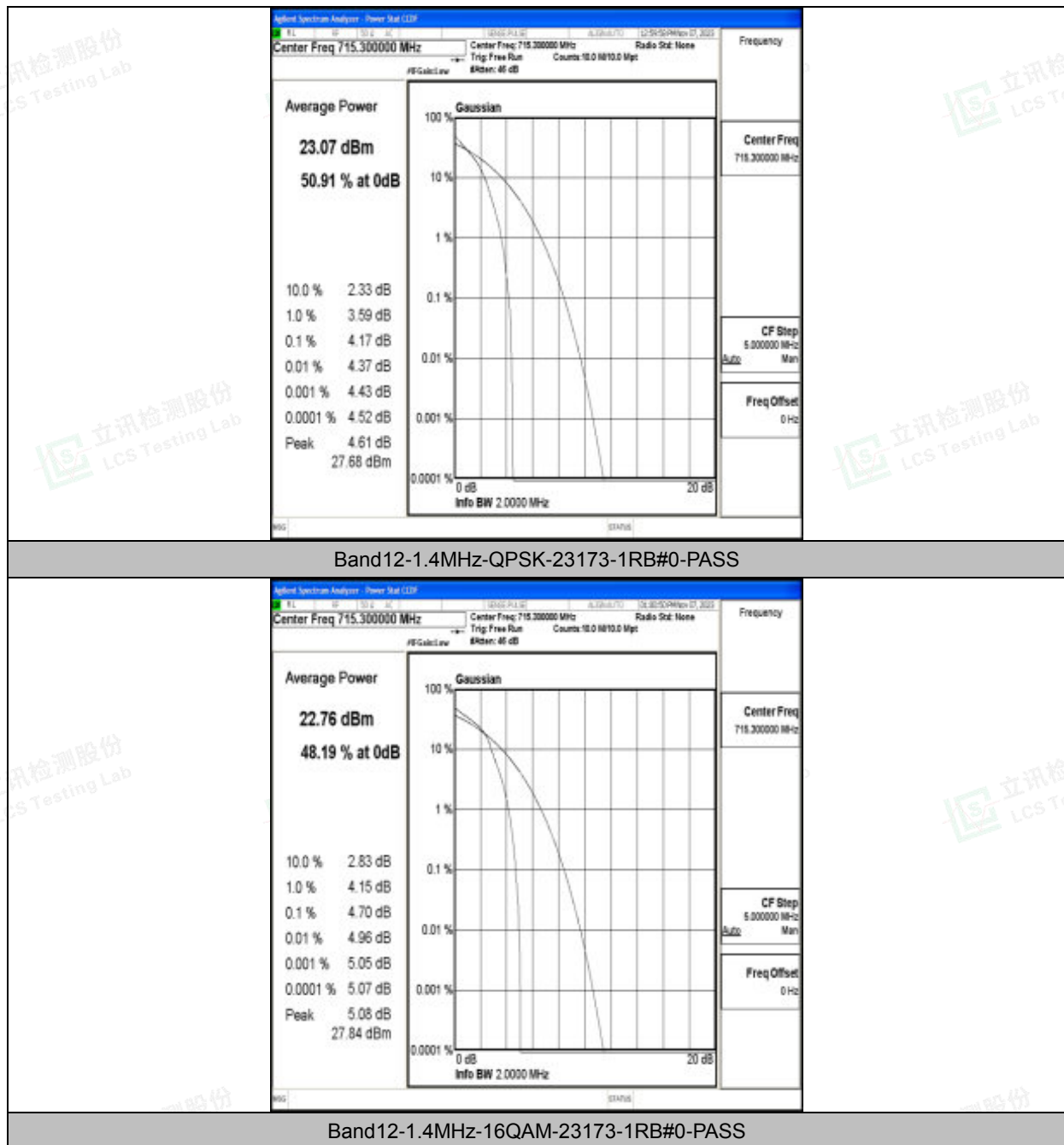


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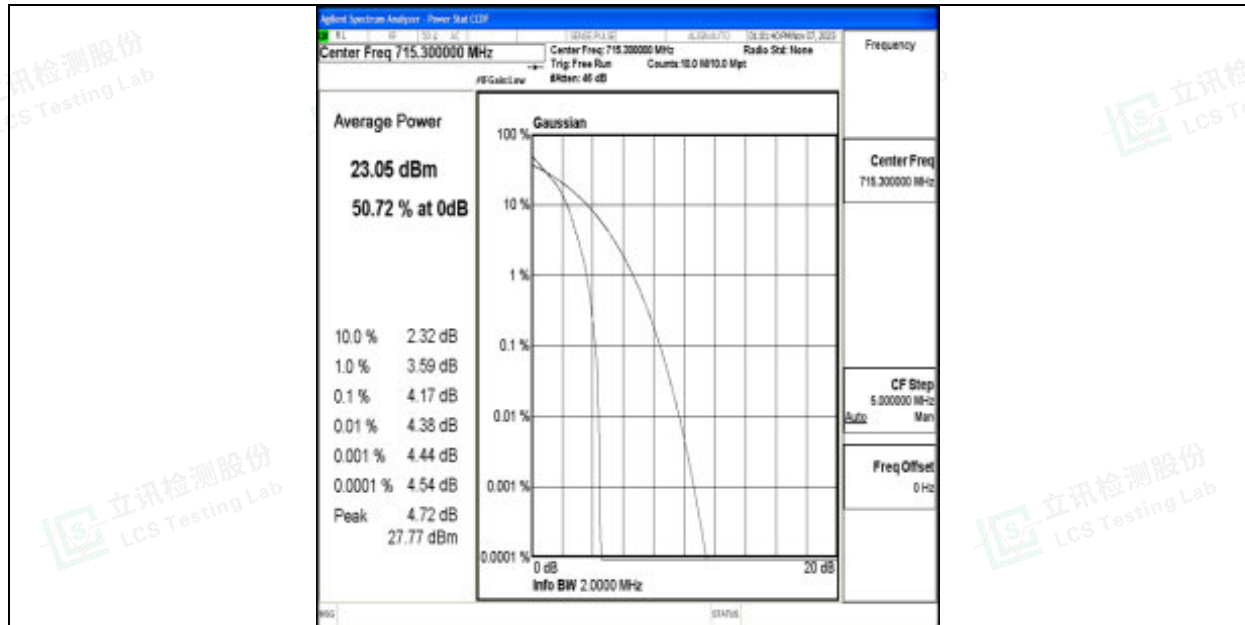


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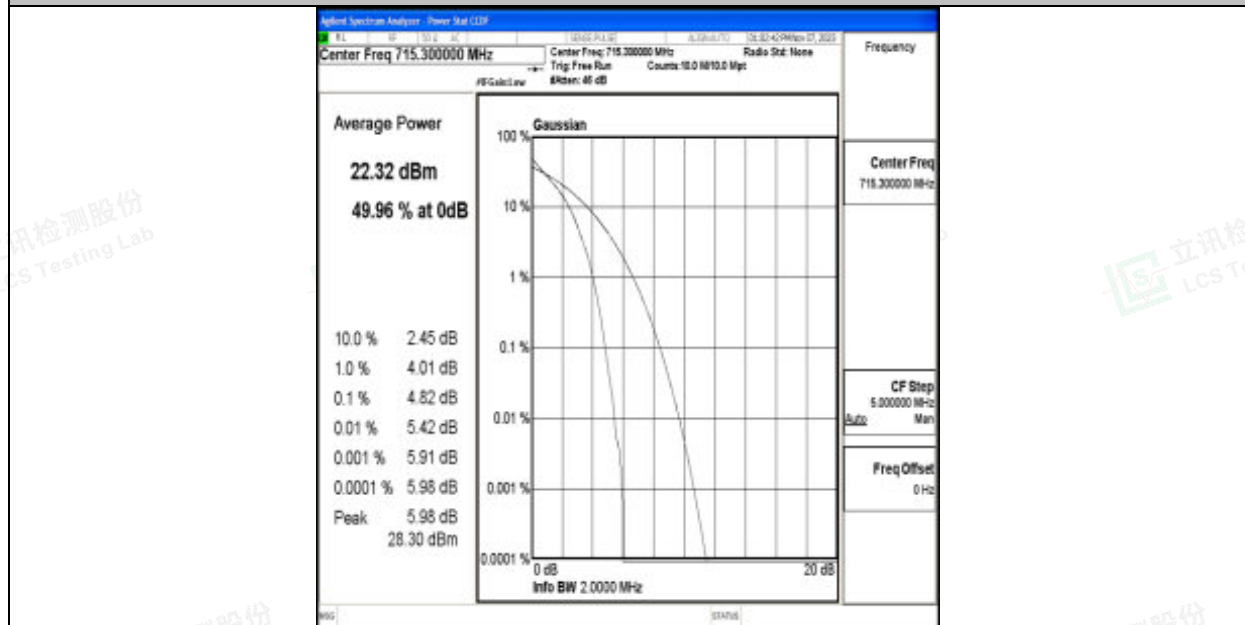
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Band12-1.4MHz-64QAM-23173-1RB#0-PASS



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

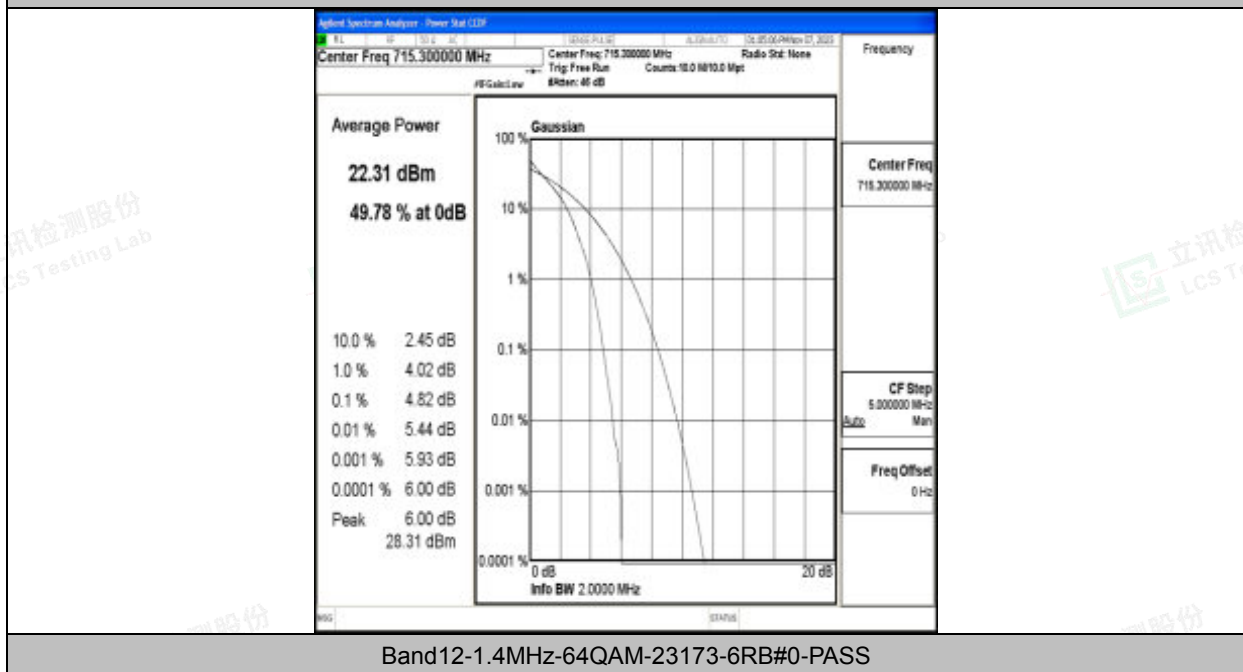
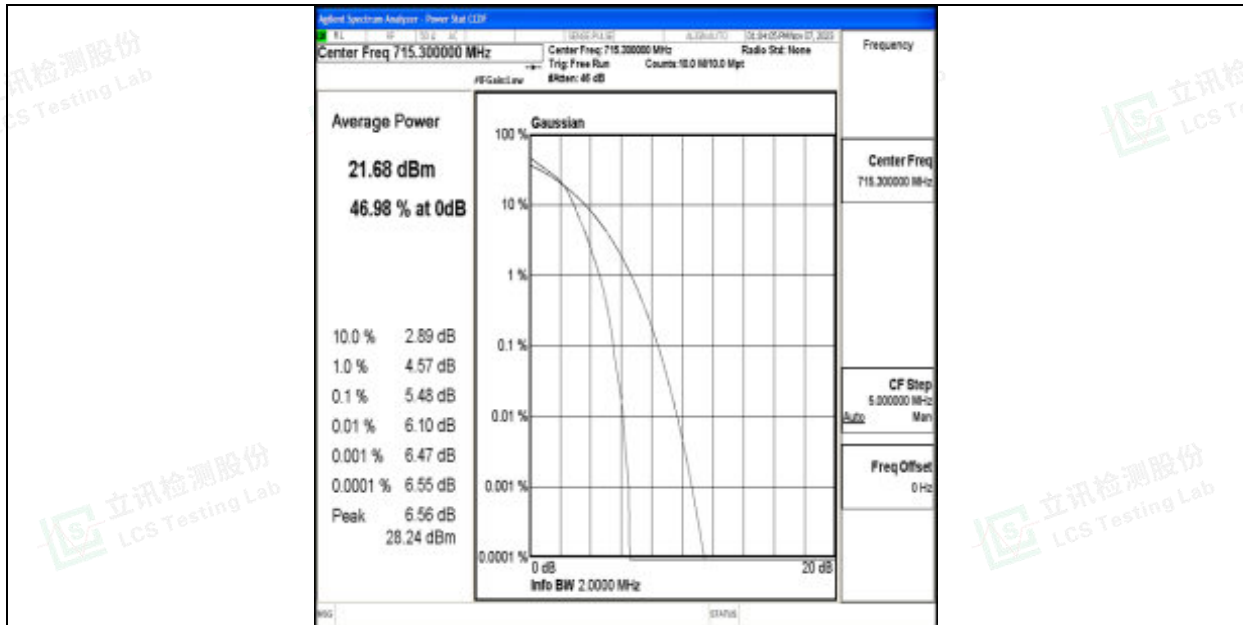


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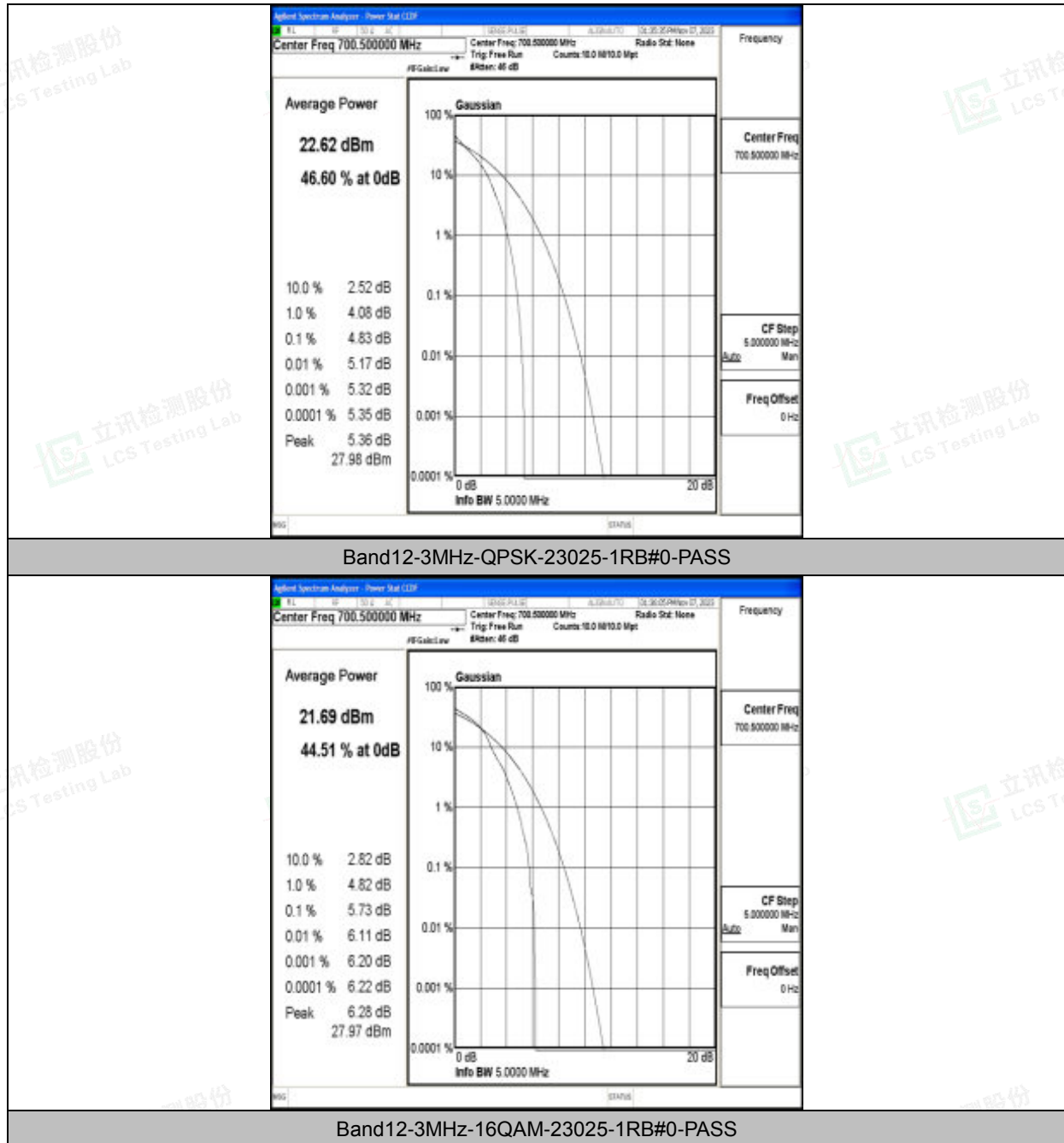


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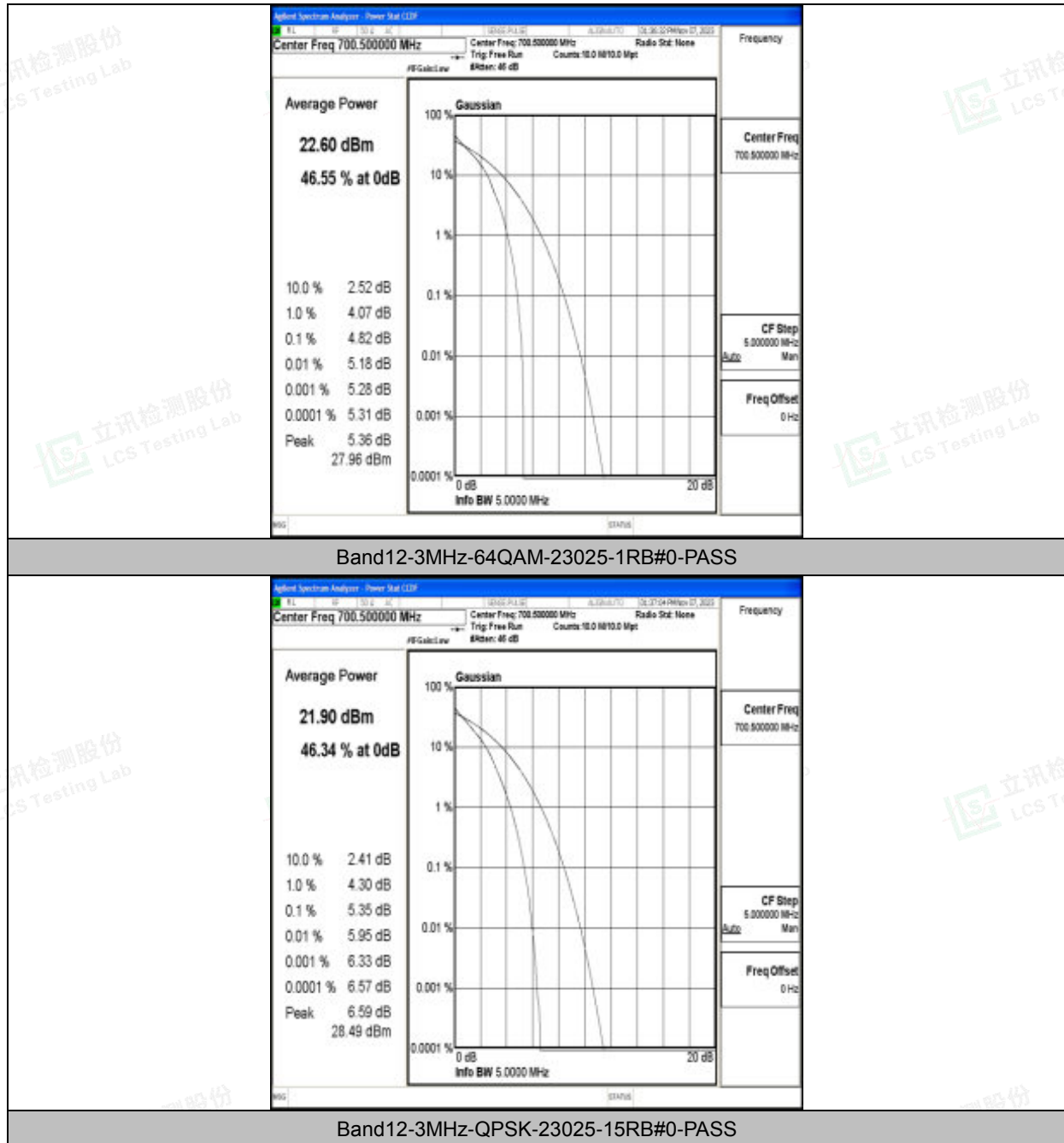


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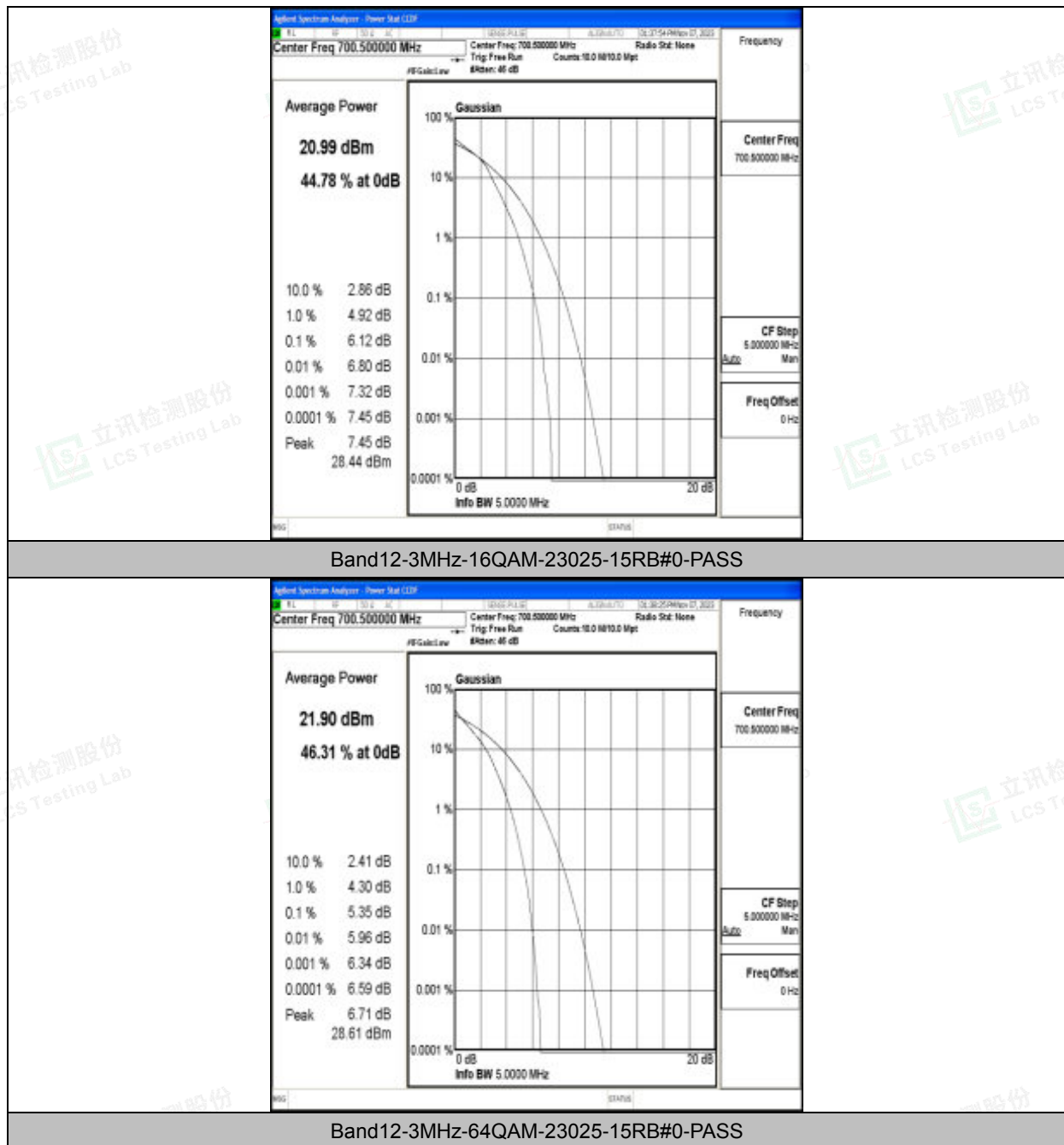


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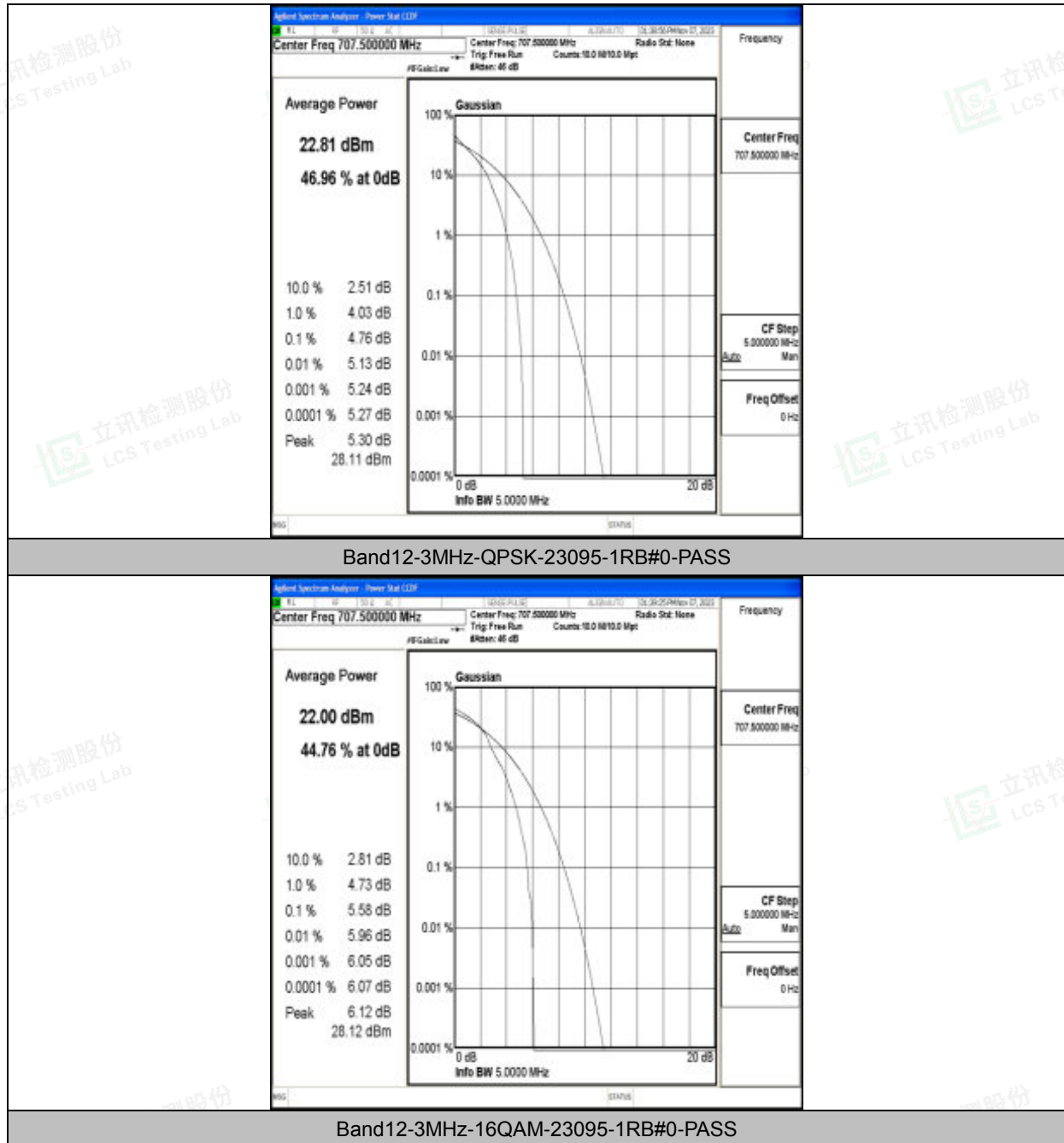


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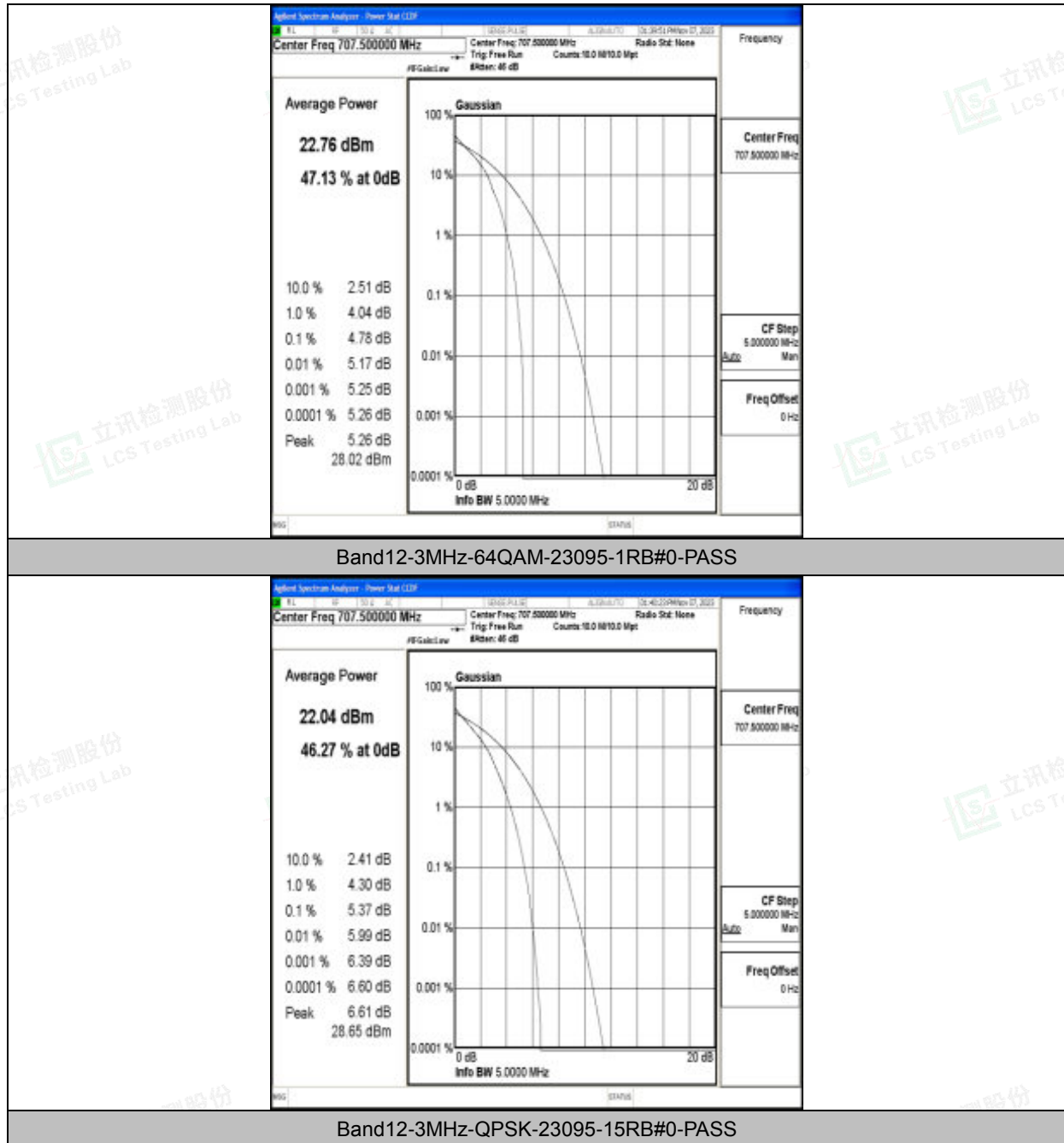


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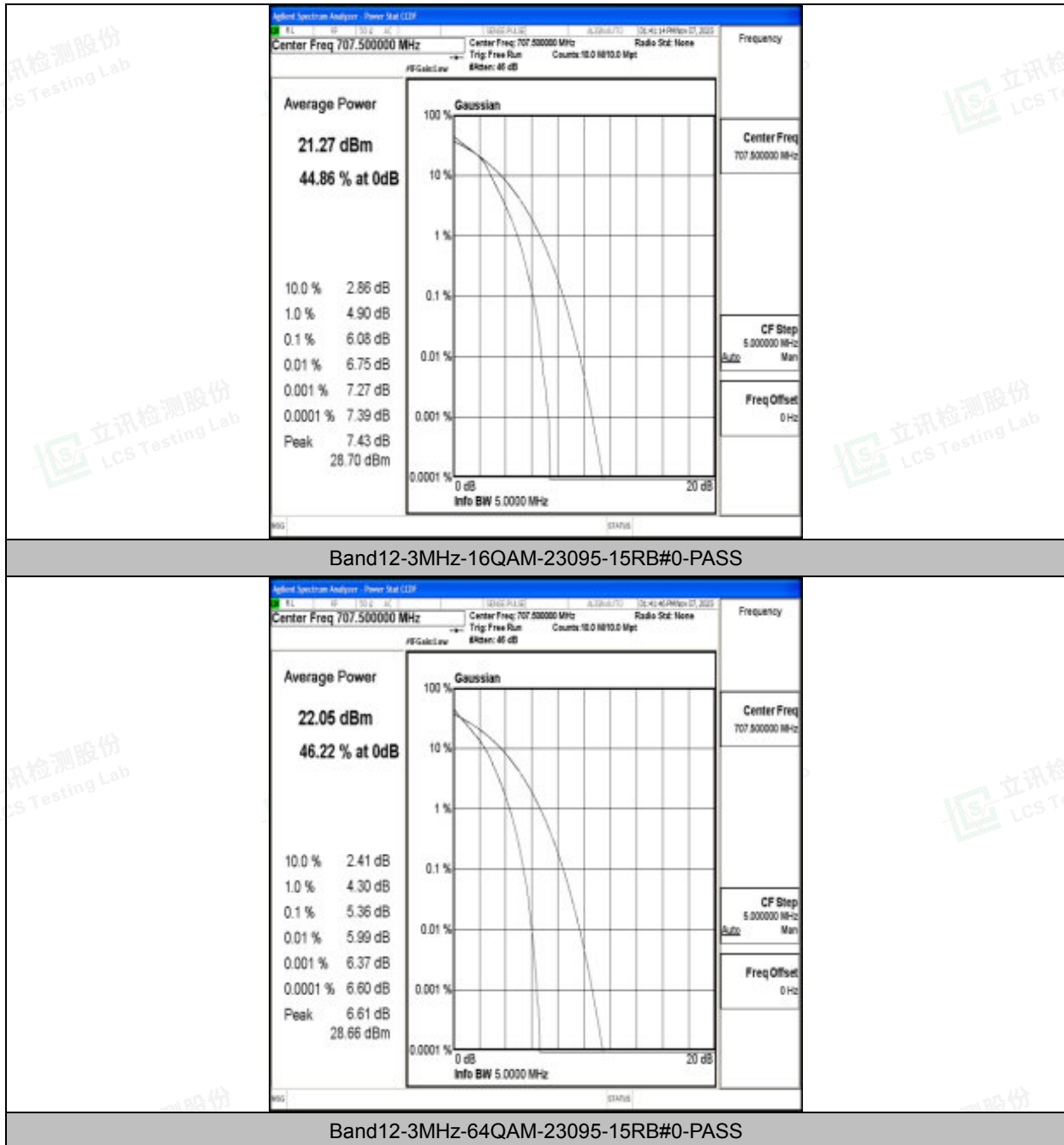


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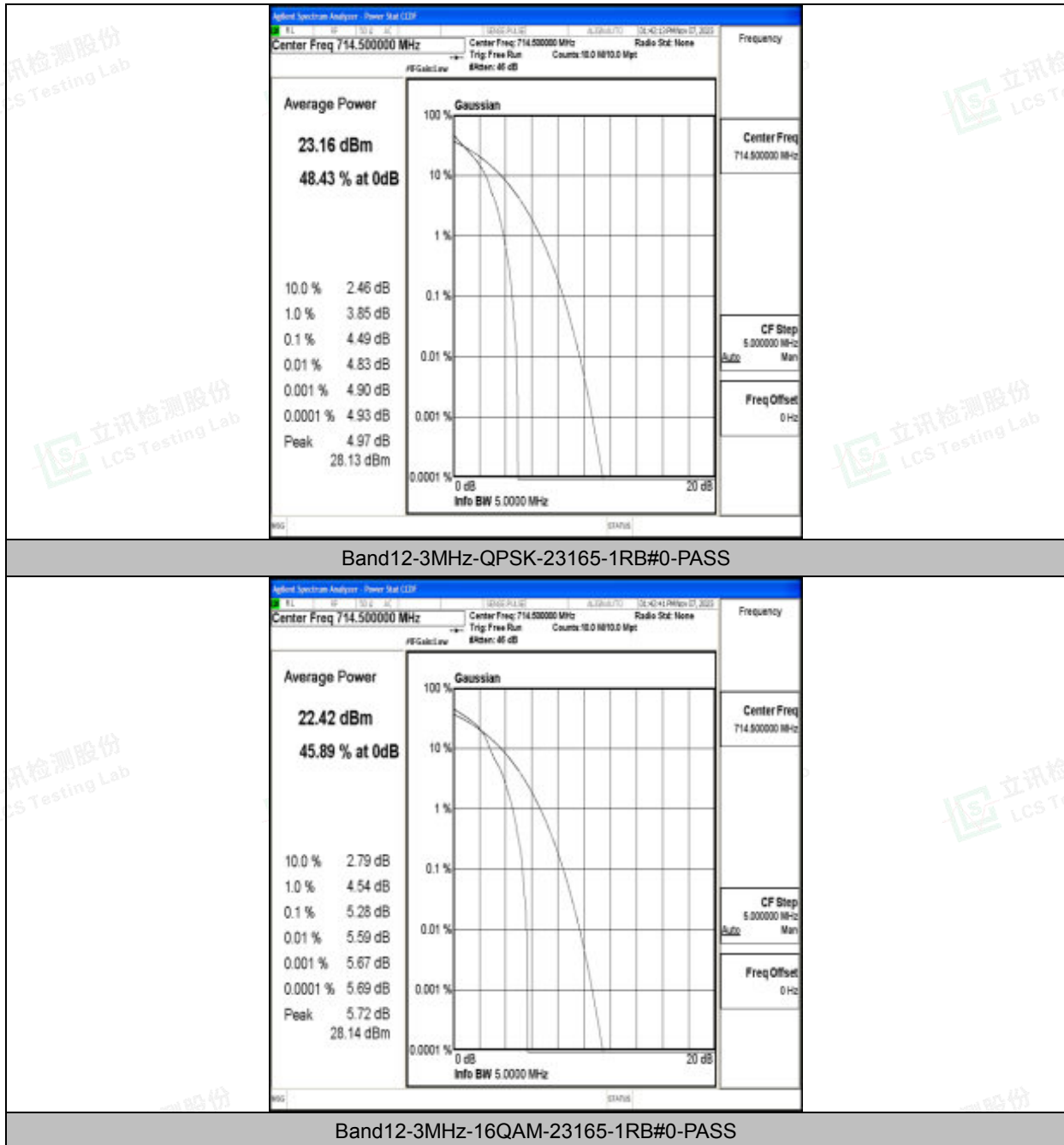


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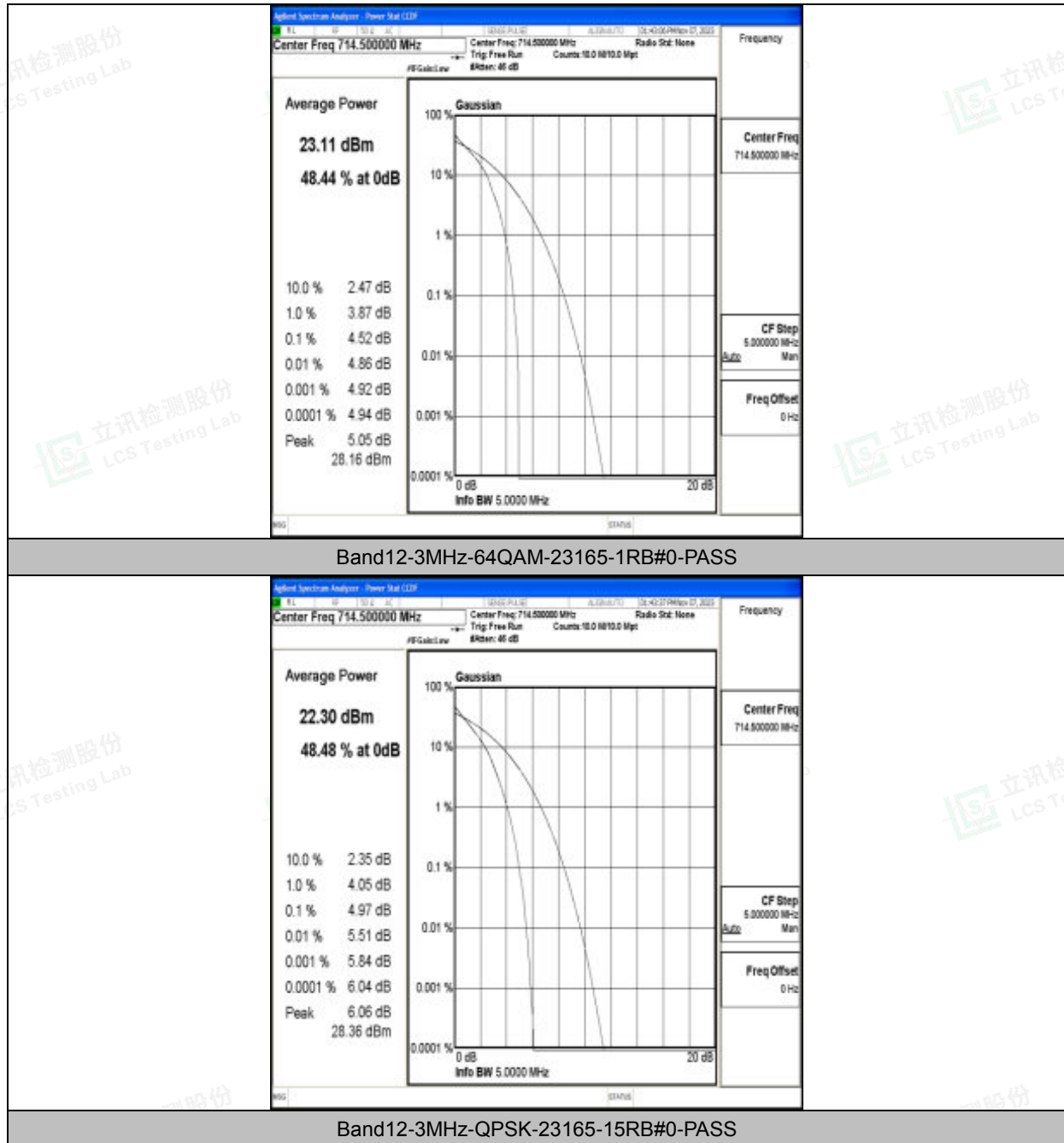


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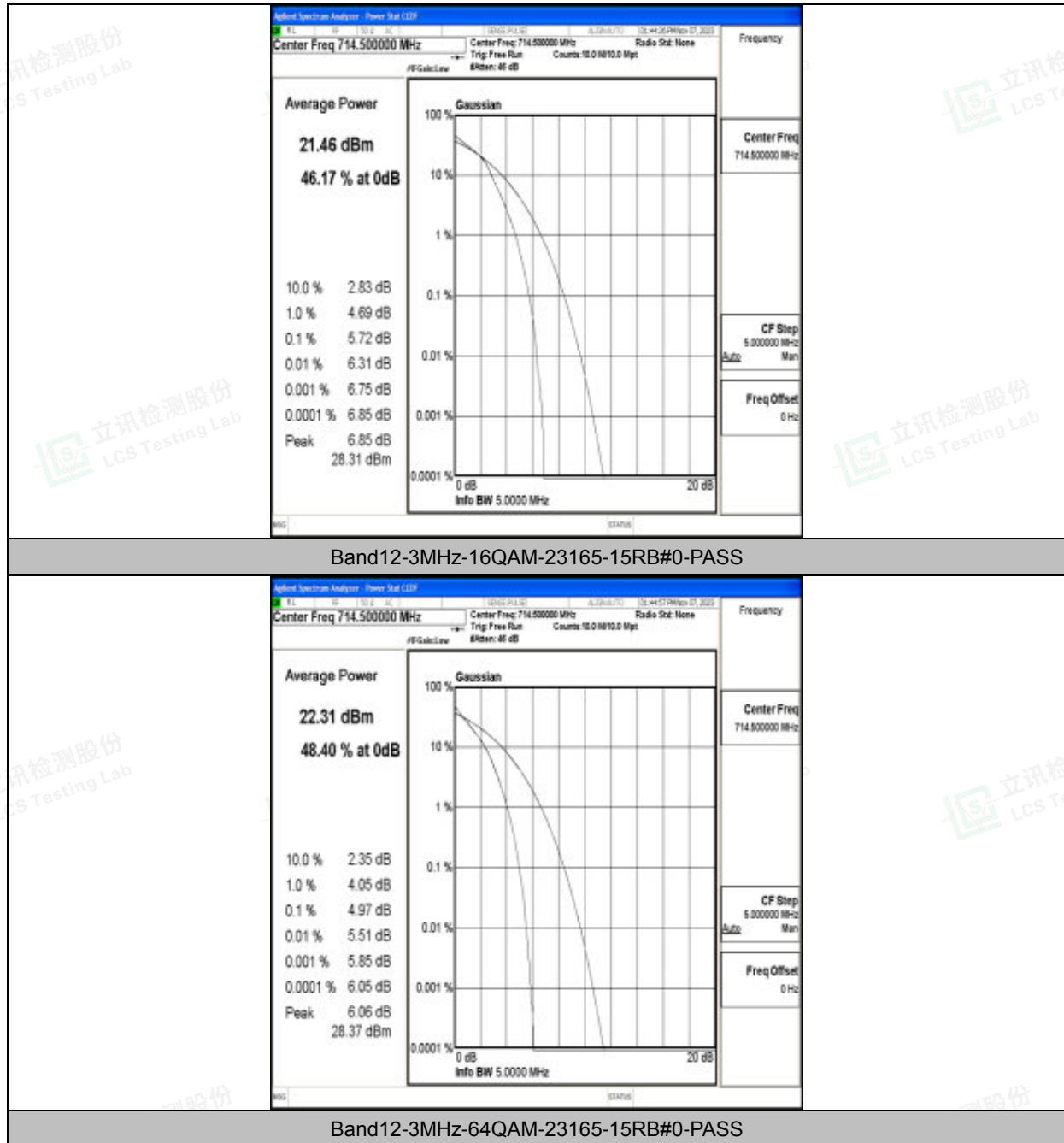


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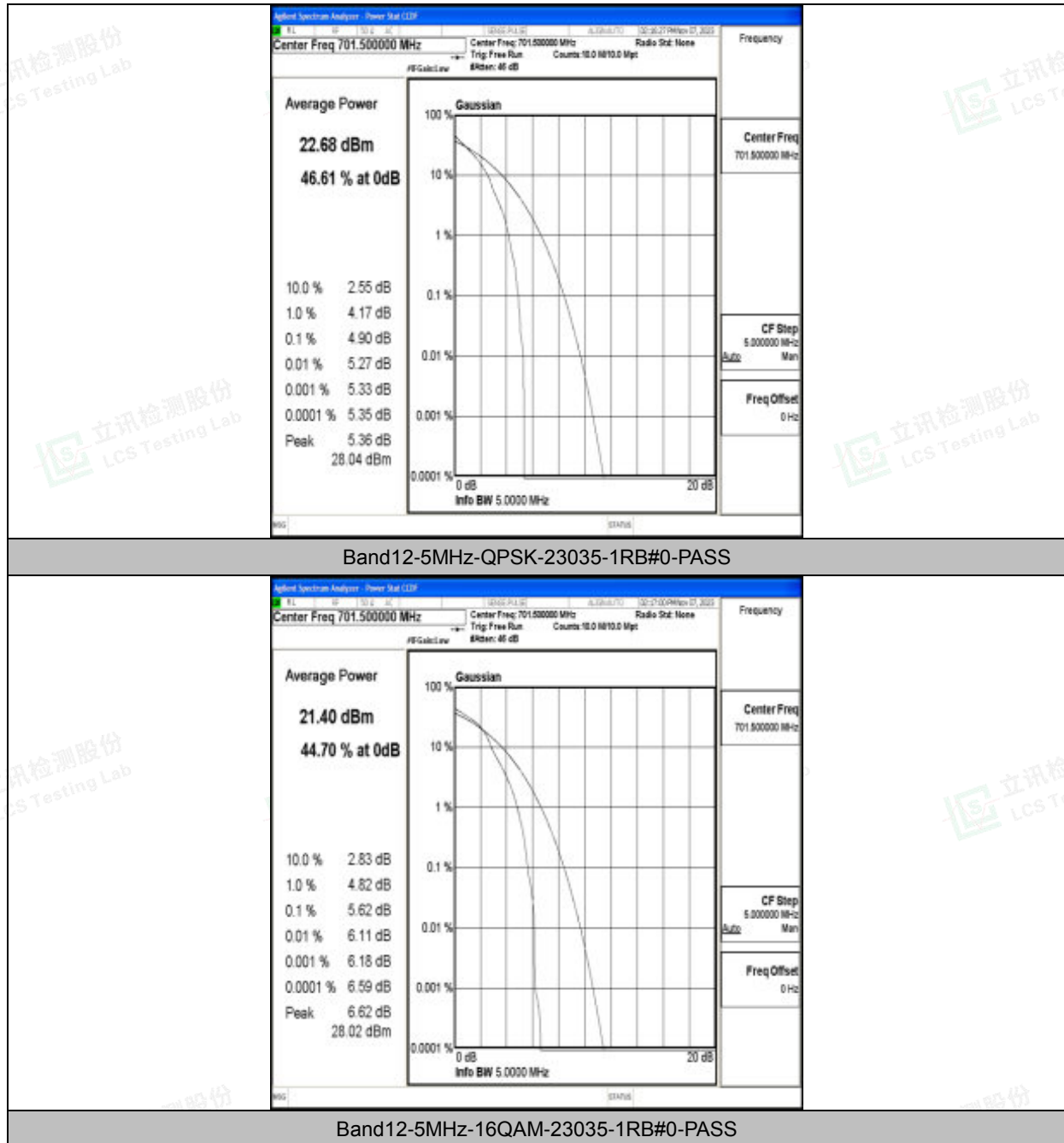


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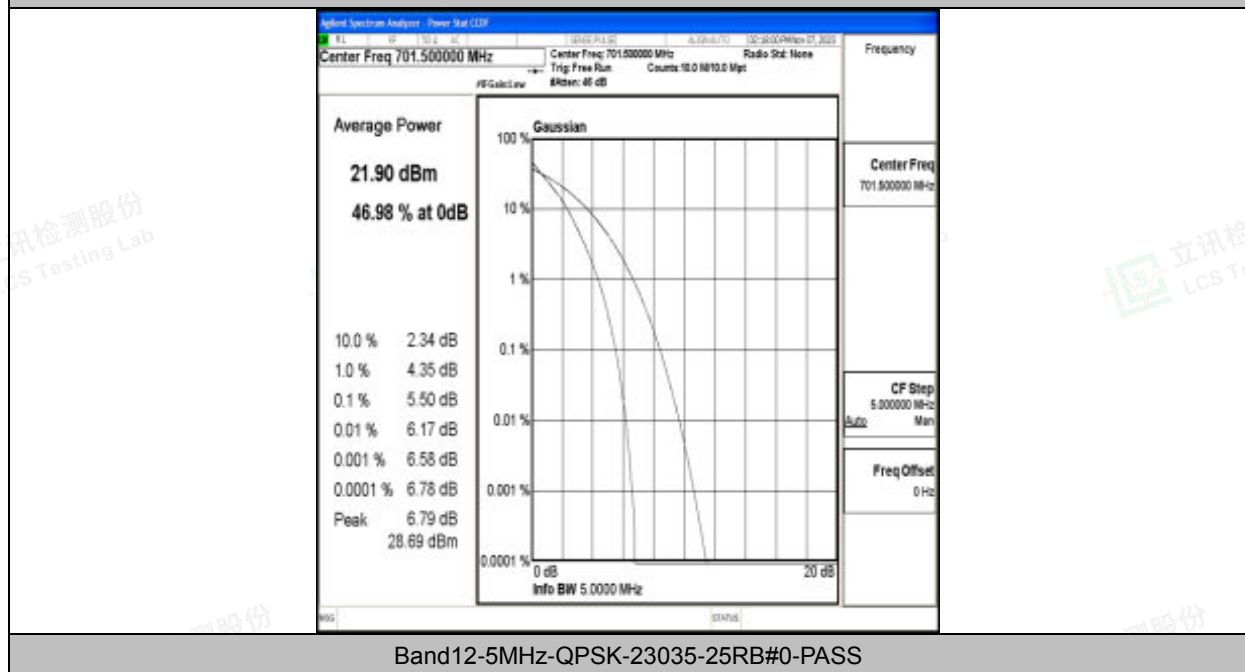
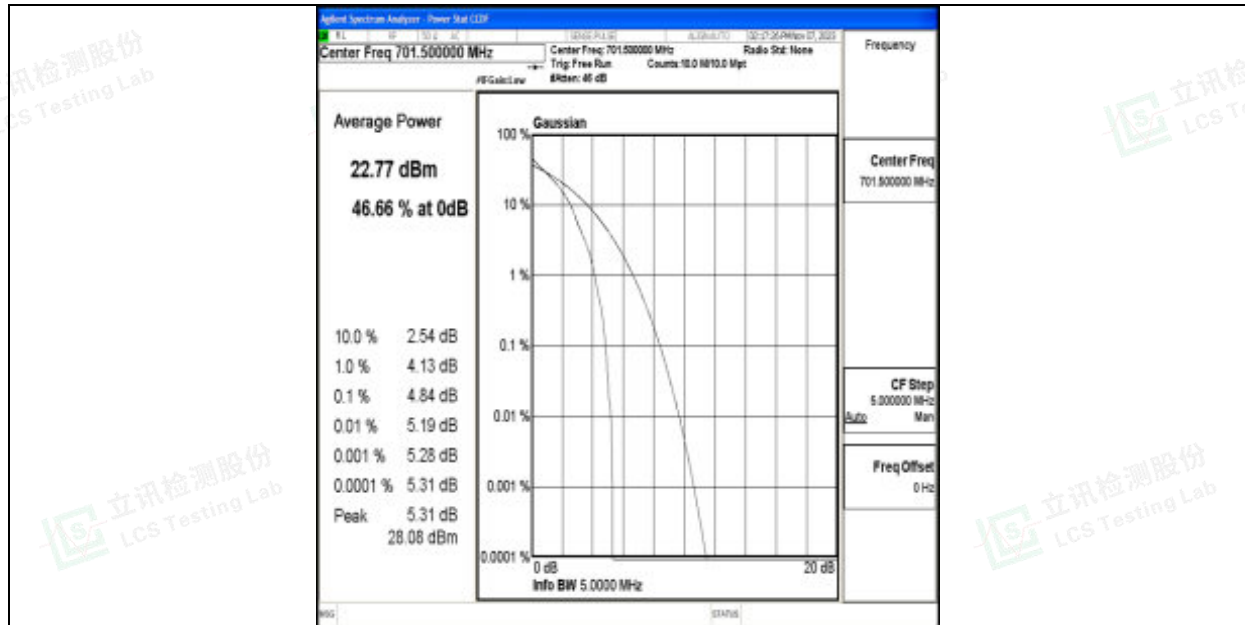


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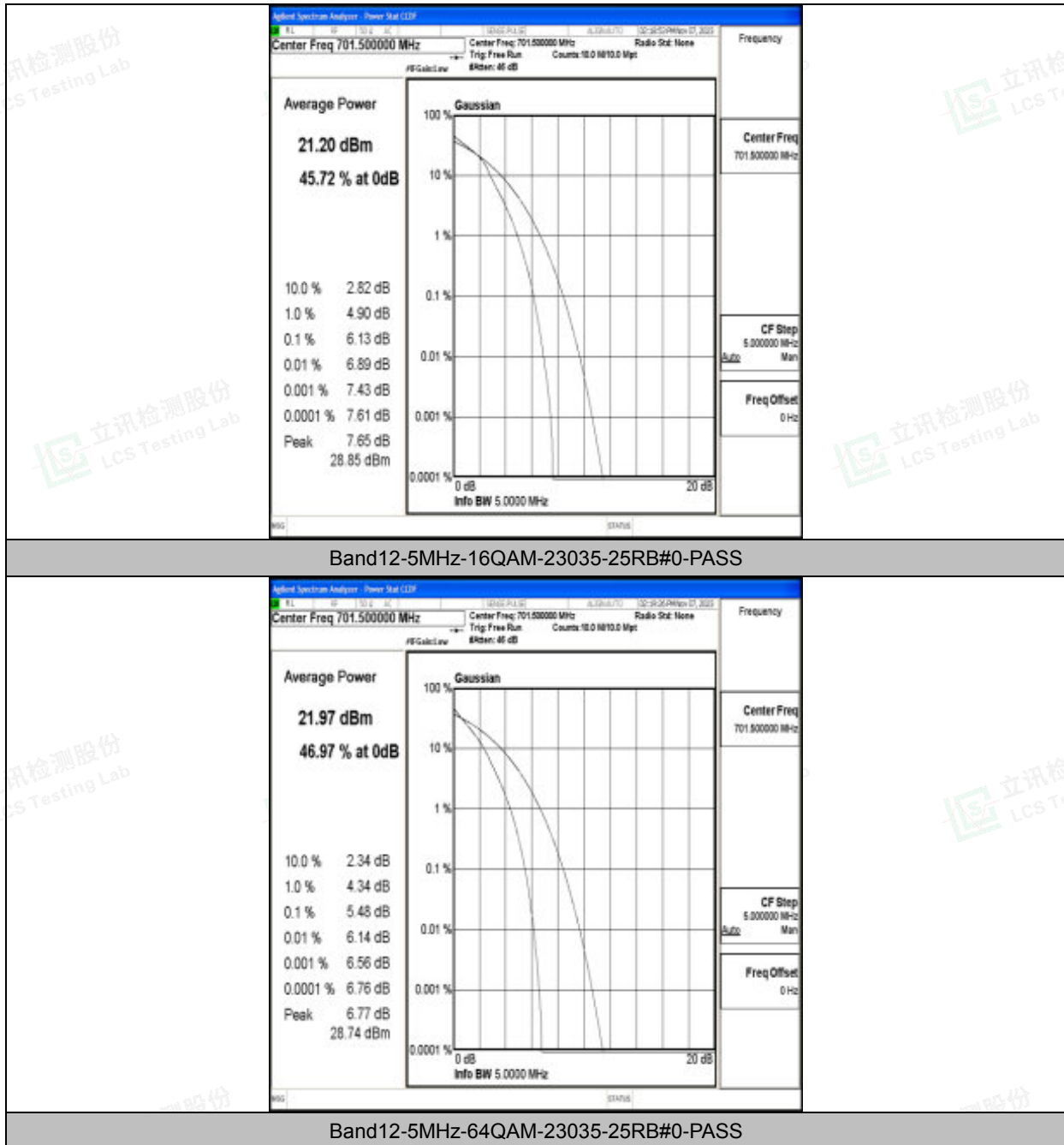


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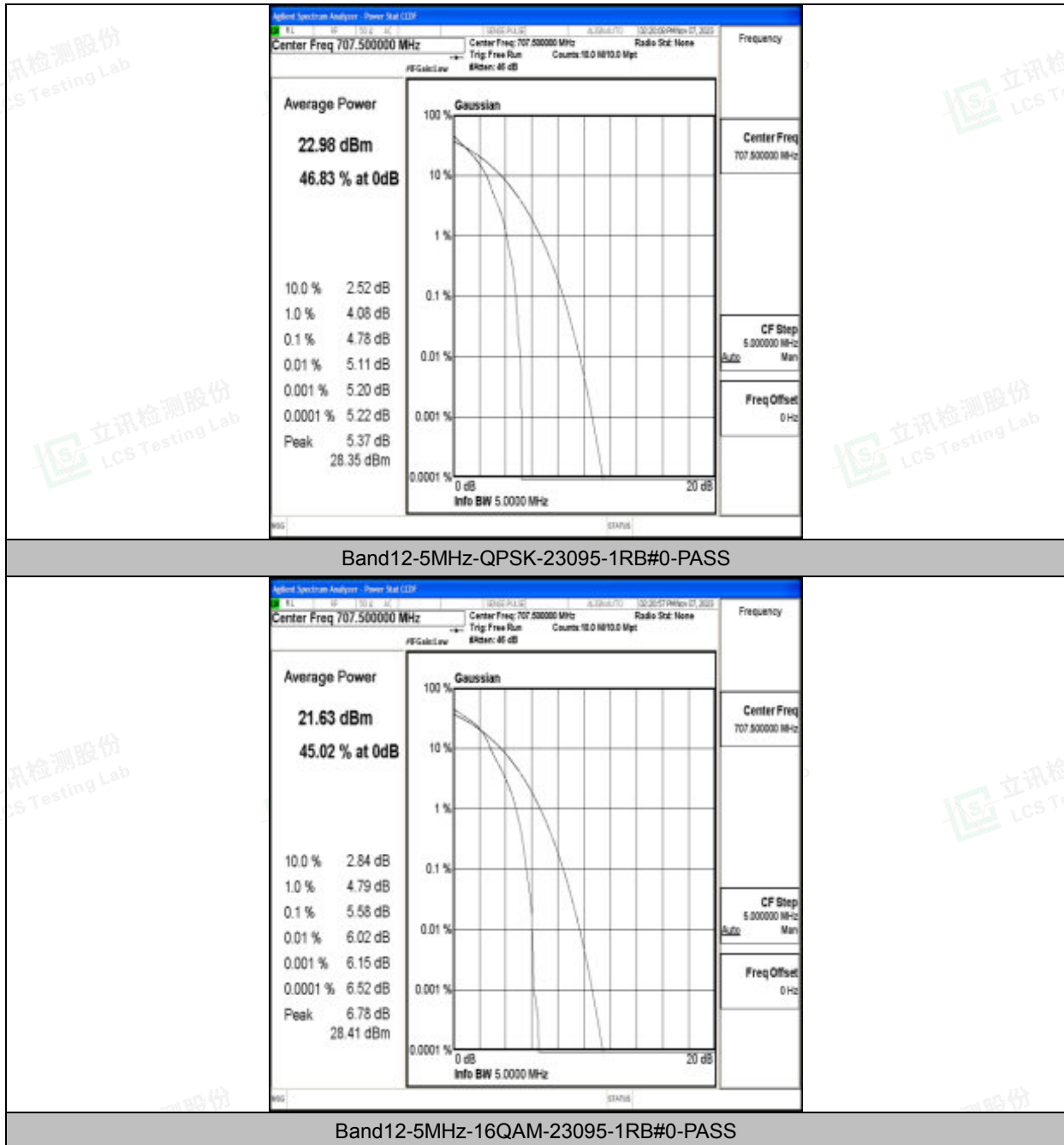


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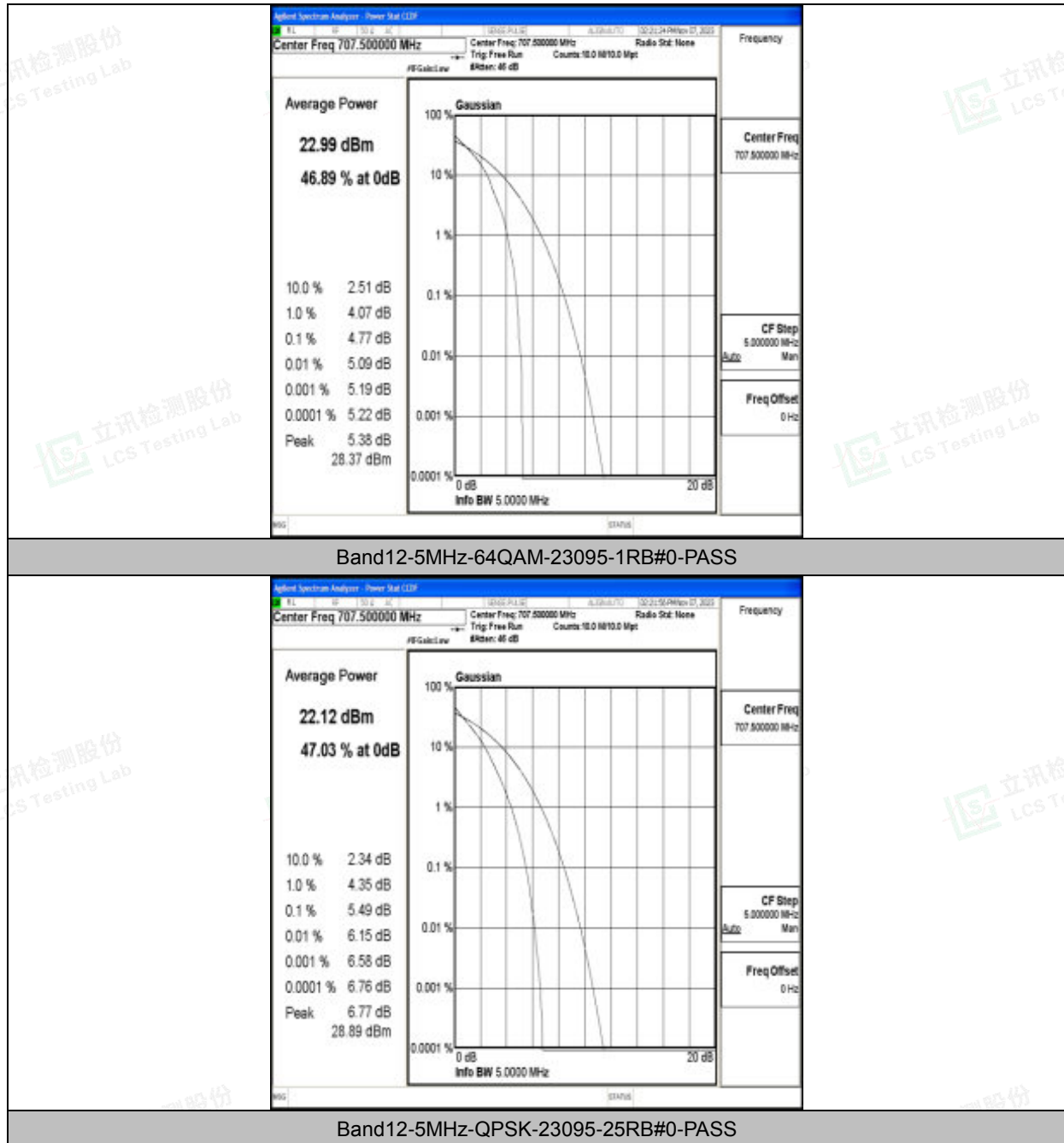


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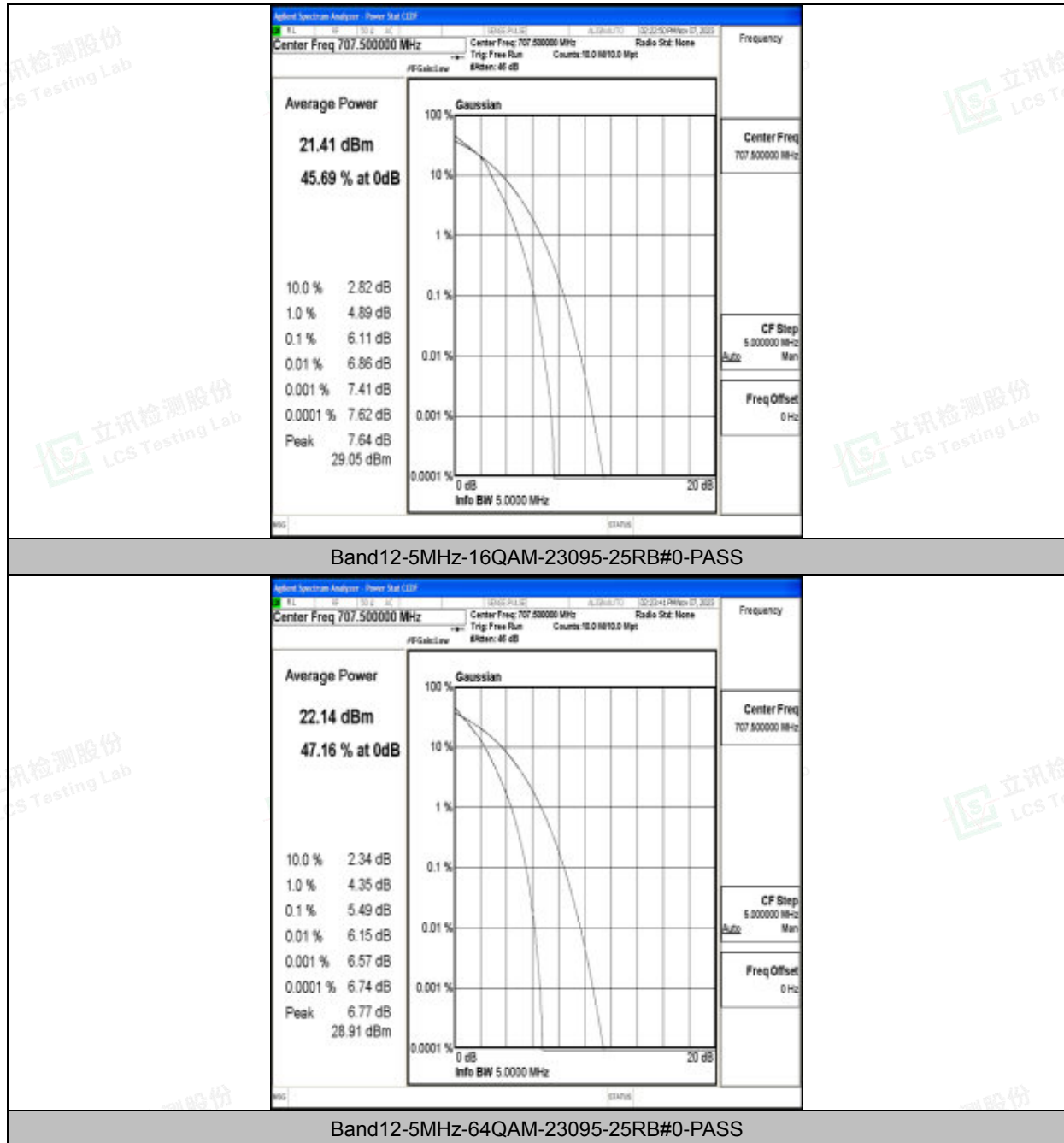


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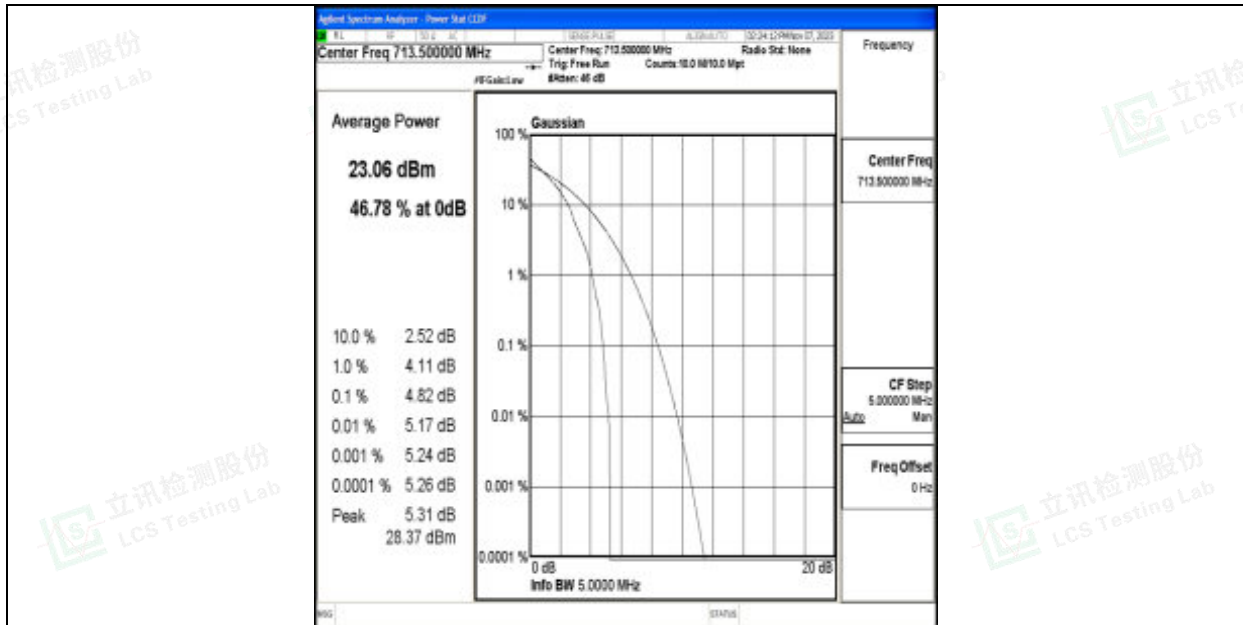


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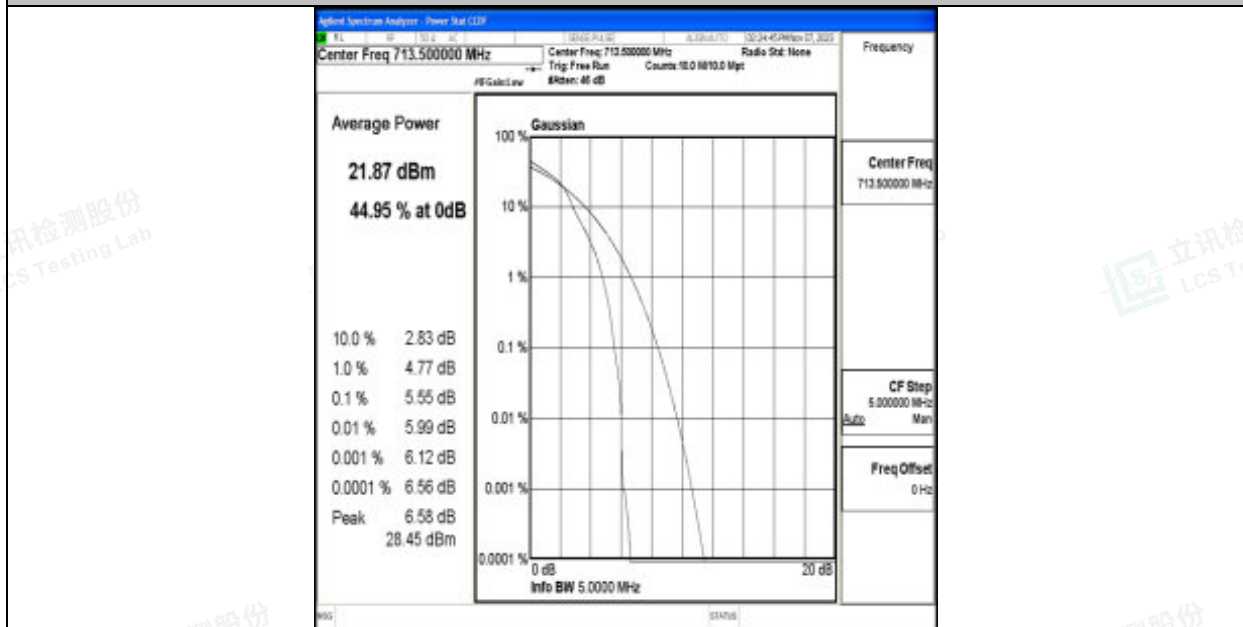
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Band12-5MHz-QPSK-23155-1RB#0-PASS



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

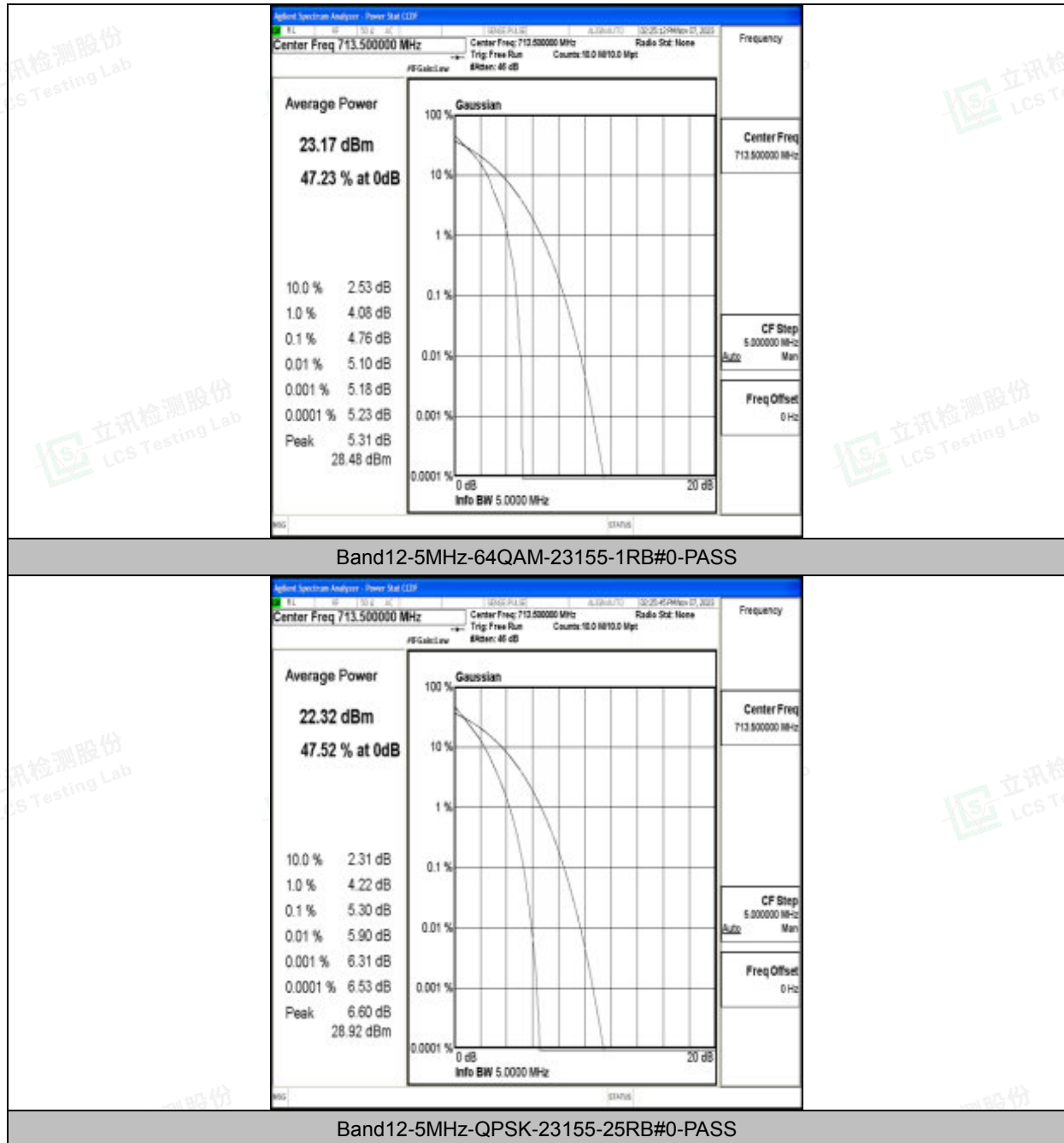


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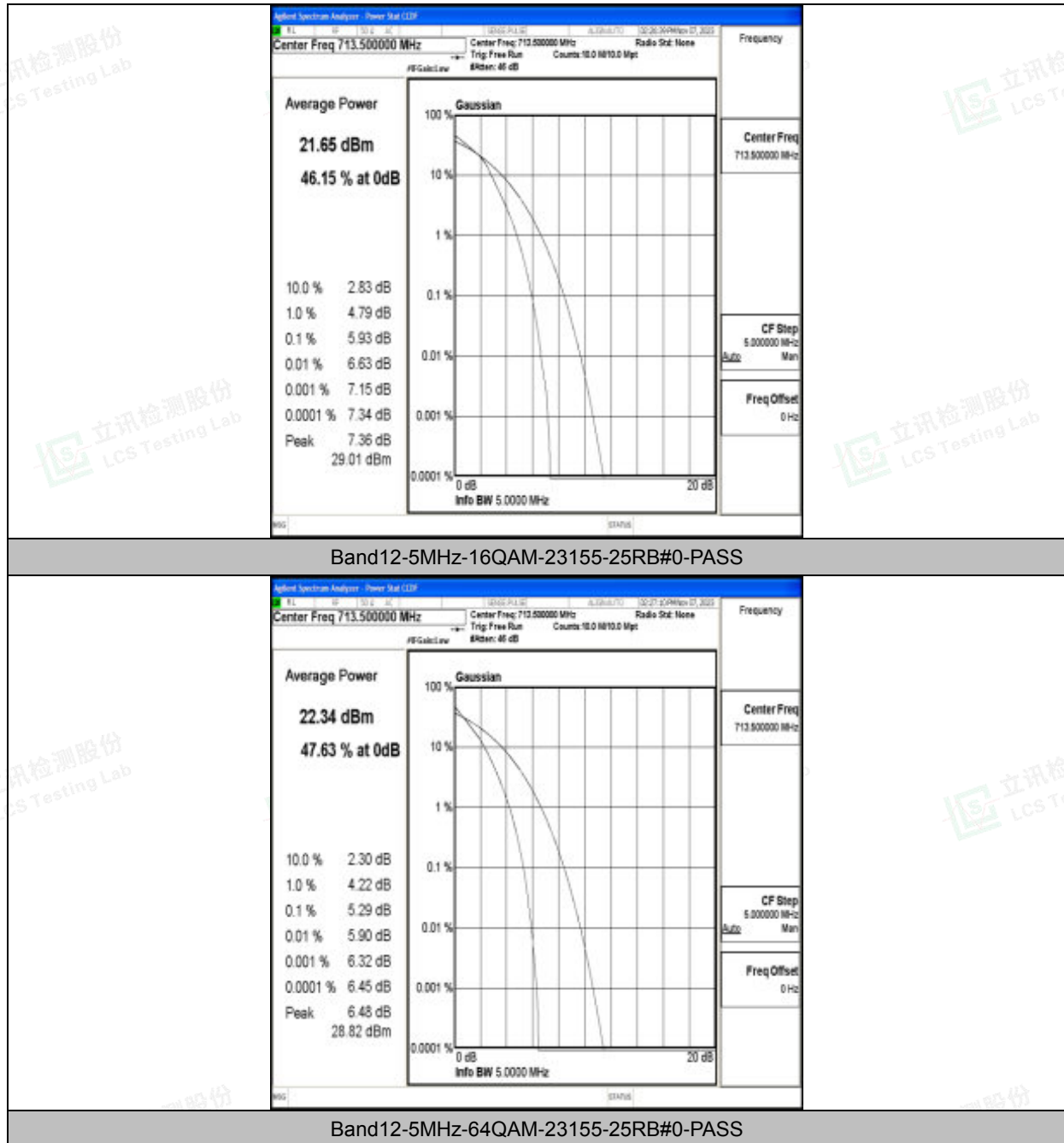


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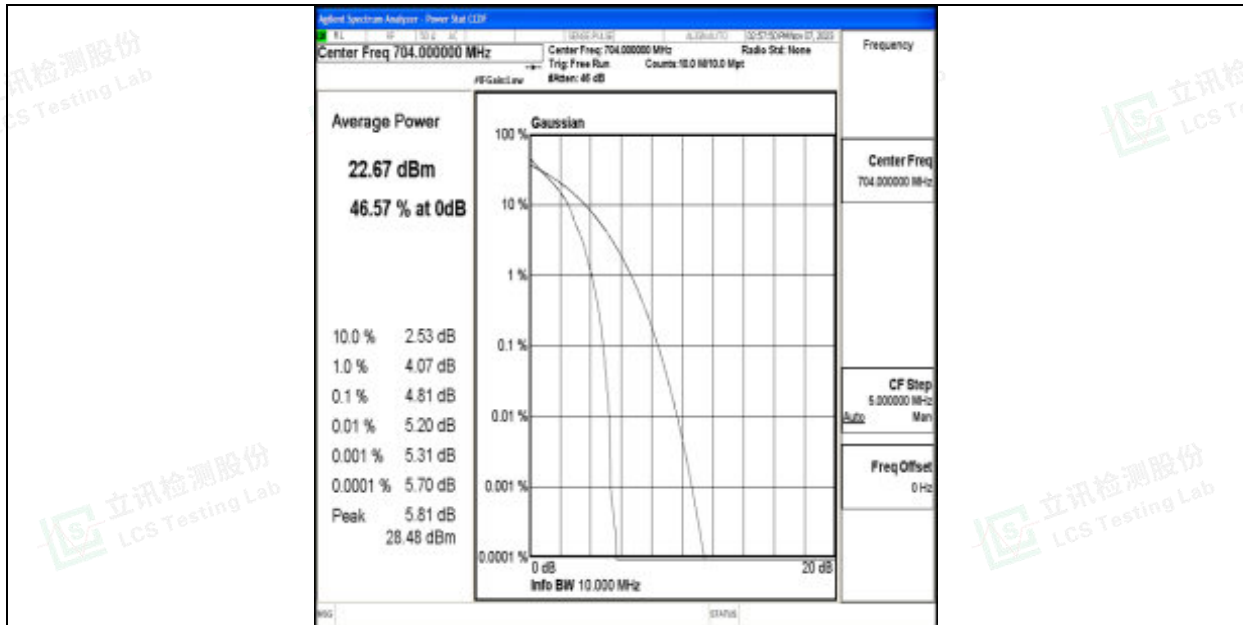


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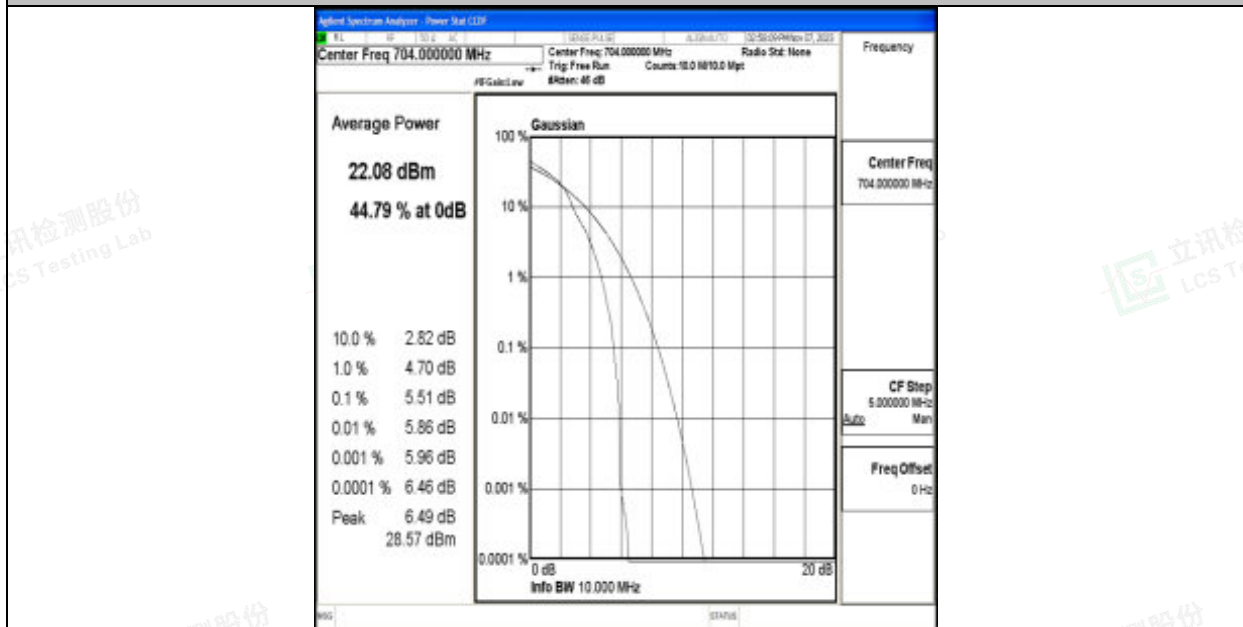
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Band12-10MHz-QPSK-23060-1RB#0-PASS



Band12-10MHz-16QAM-23060-1RB#0-PASS

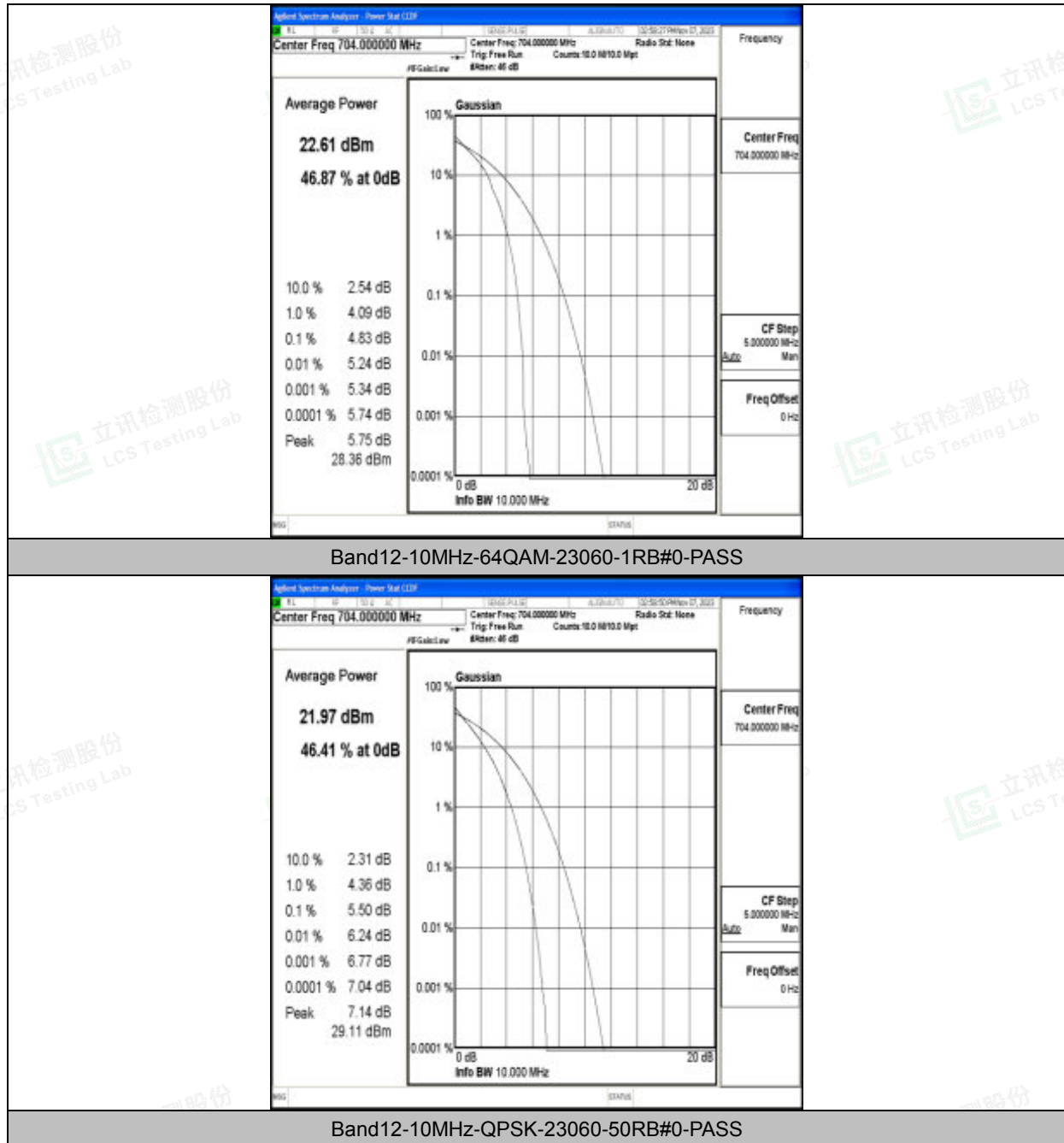


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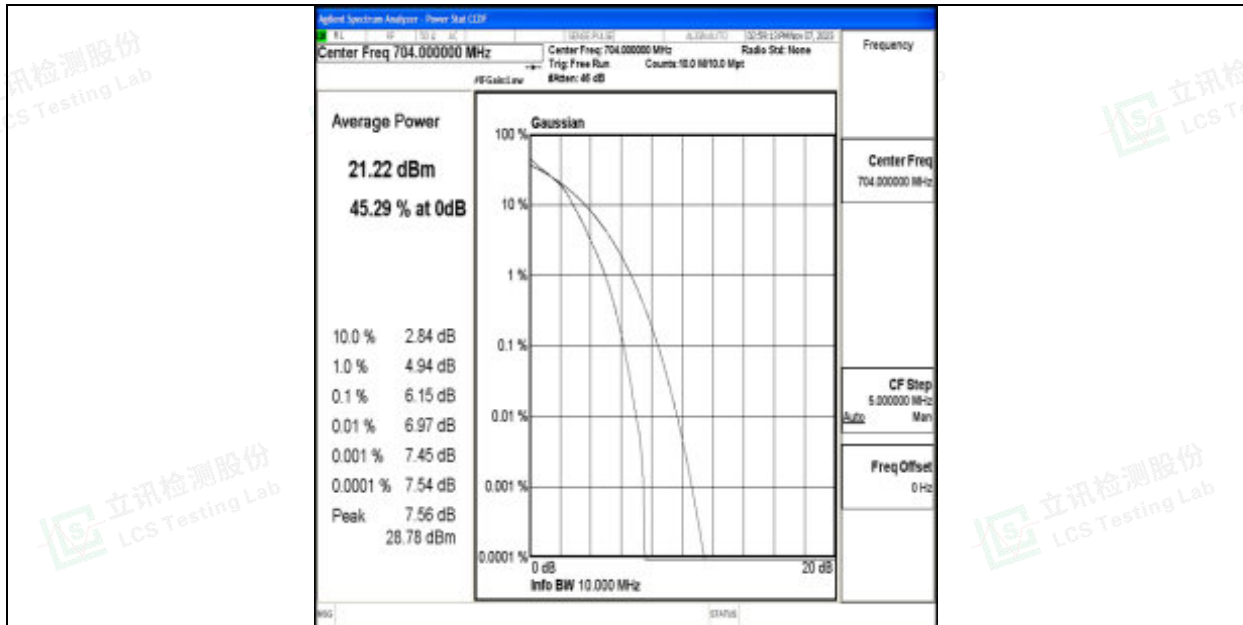


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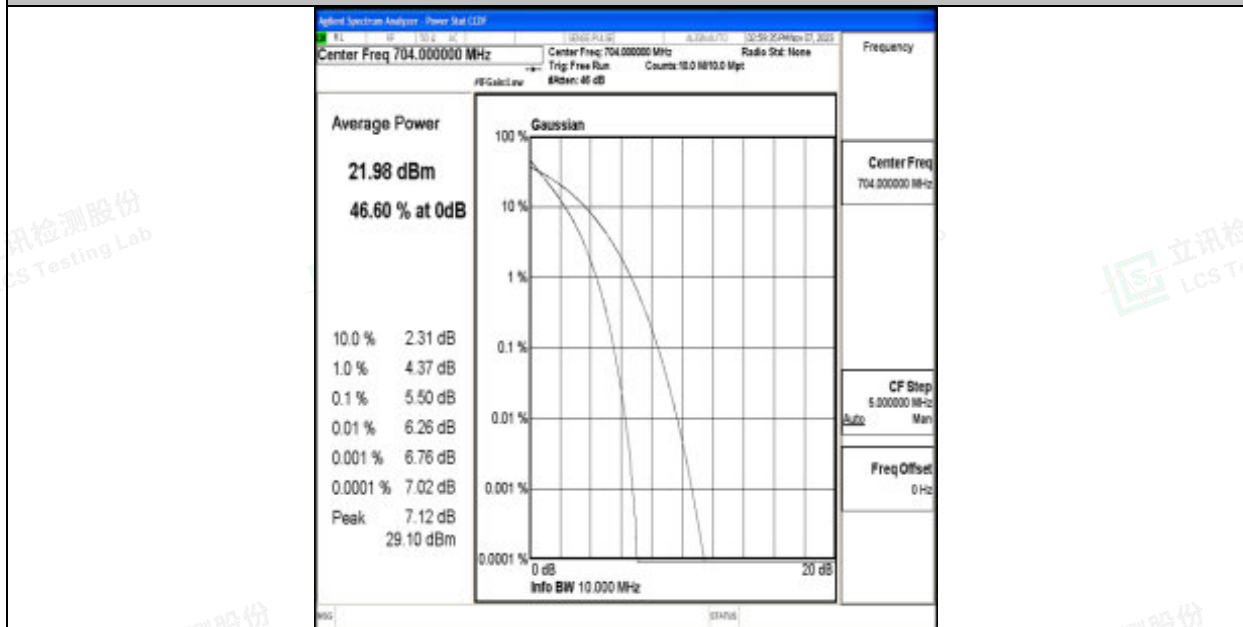
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Band12-10MHz-16QAM-23060-50RB#0-PASS



Band12-10MHz-64QAM-23060-50RB#0-PASS

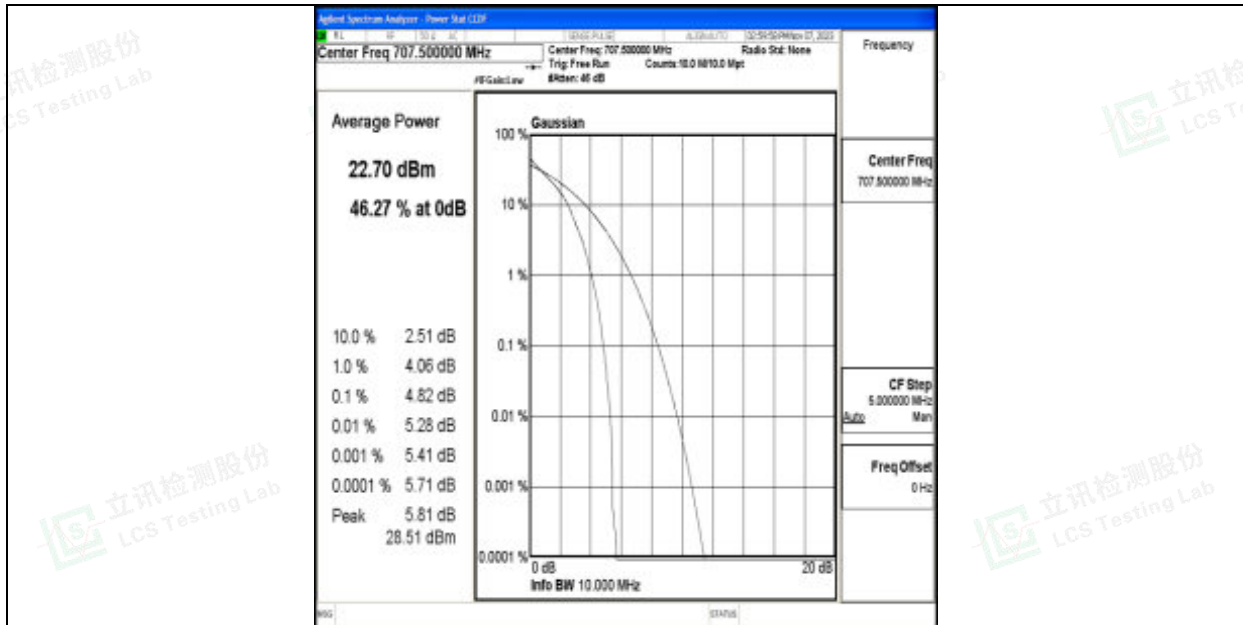


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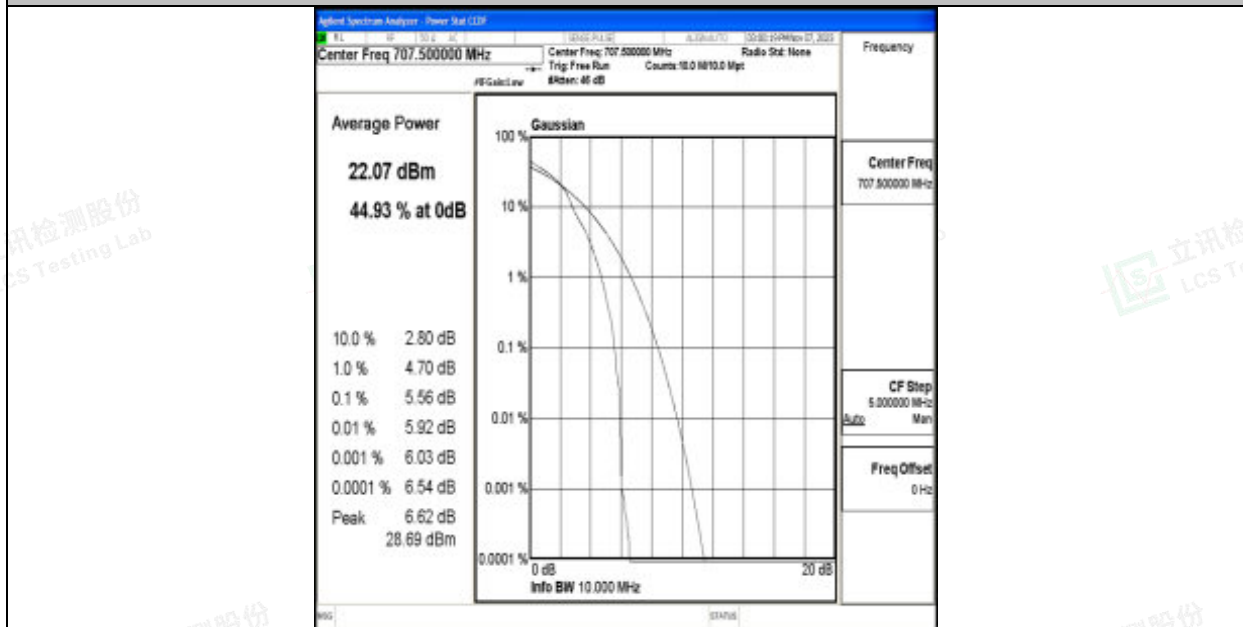
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Band12-10MHz-QPSK-23095-1RB#0-PASS



Band12-10MHz-16QAM-23095-1RB#0-PASS

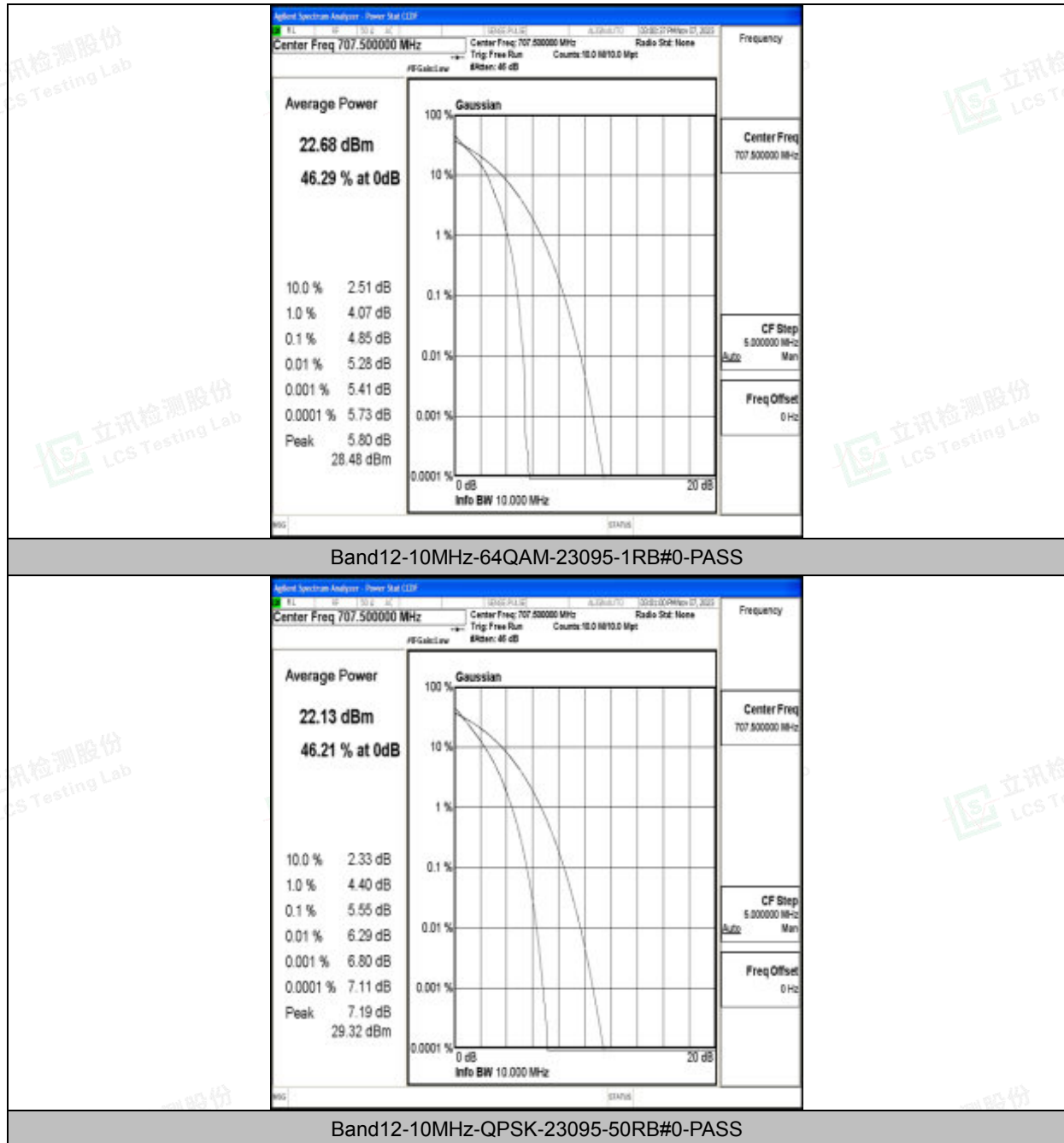


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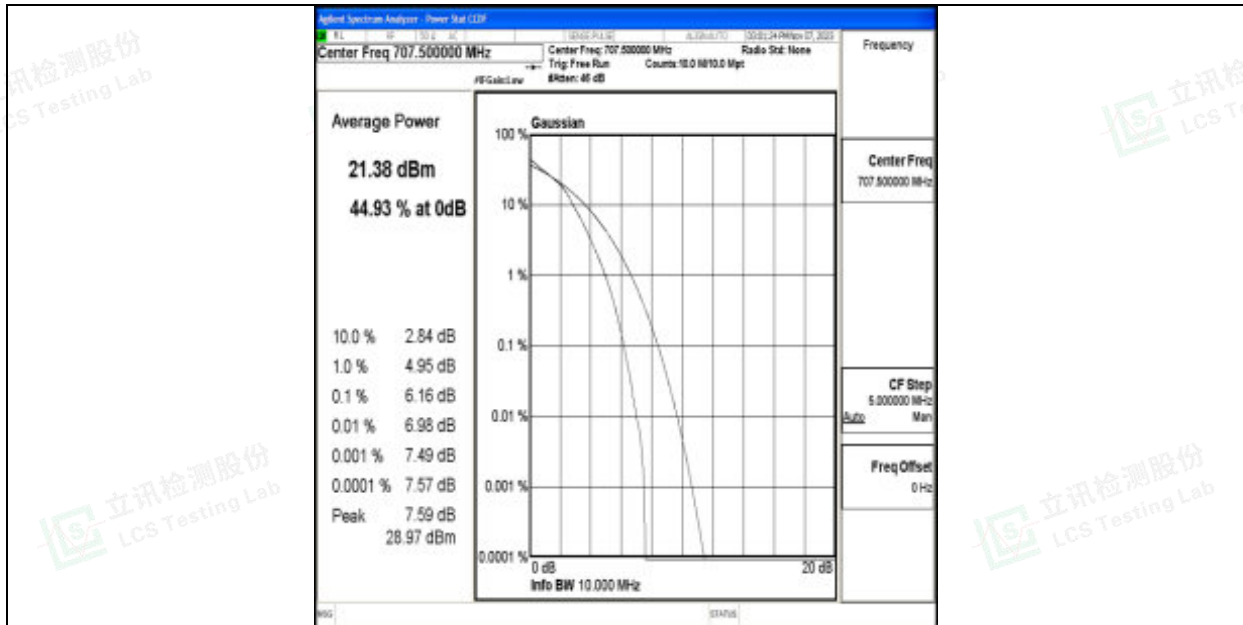


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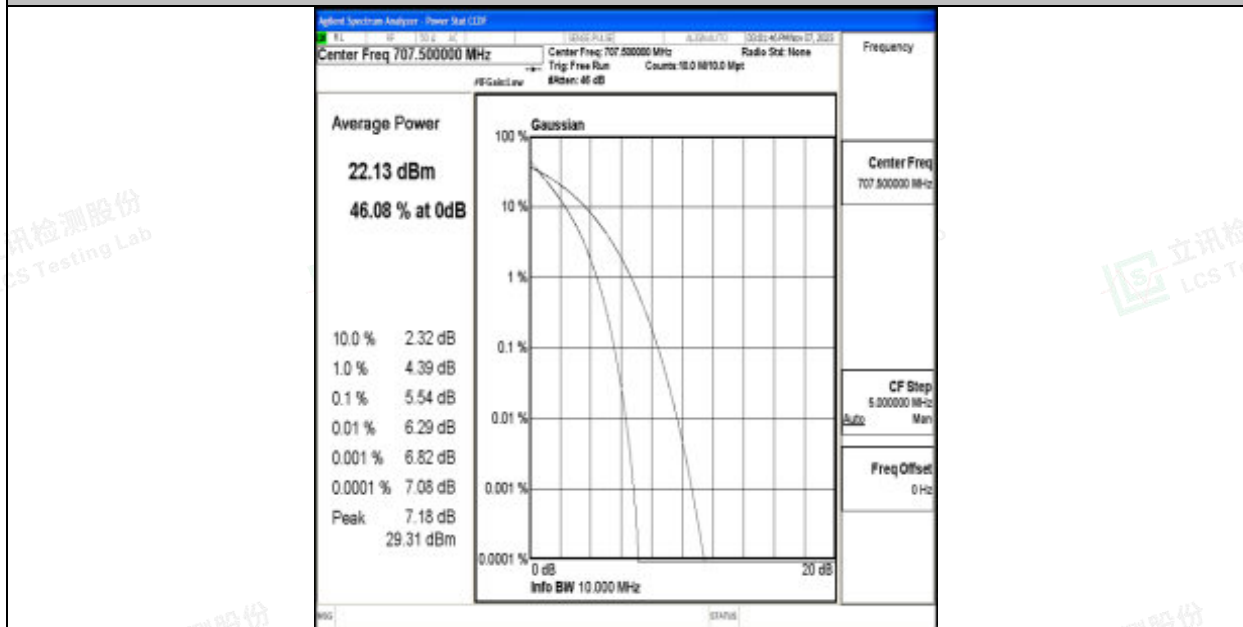
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Band12-10MHz-16QAM-23095-50RB#0-PASS



Band12-10MHz-64QAM-23095-50RB#0-PASS

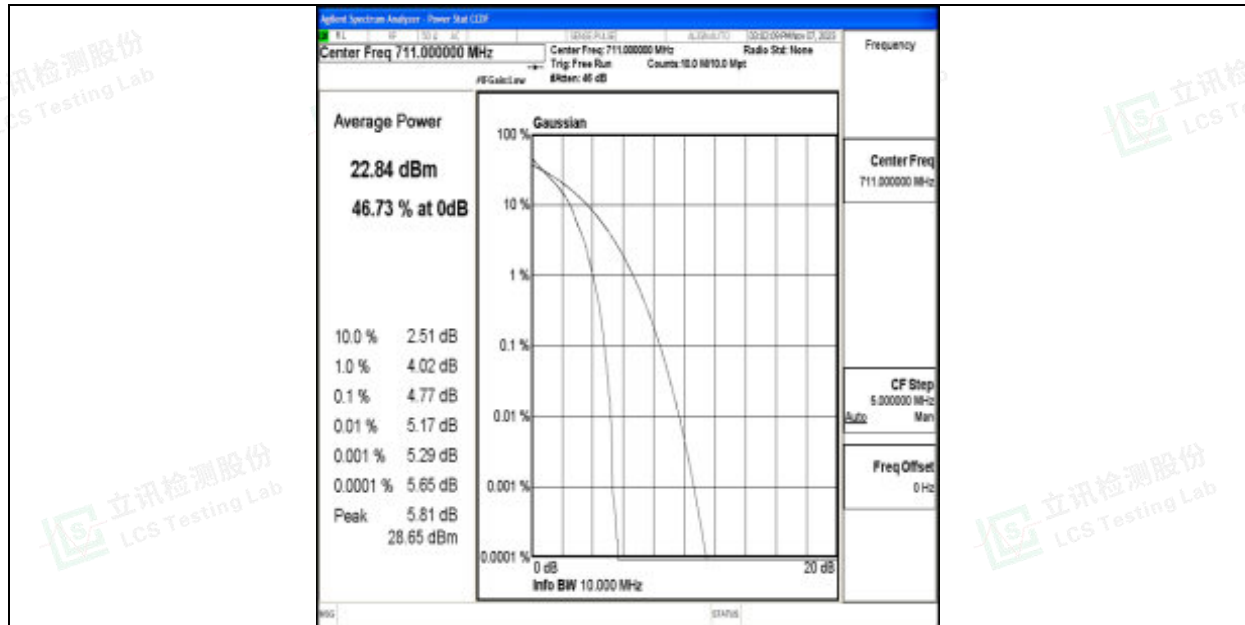


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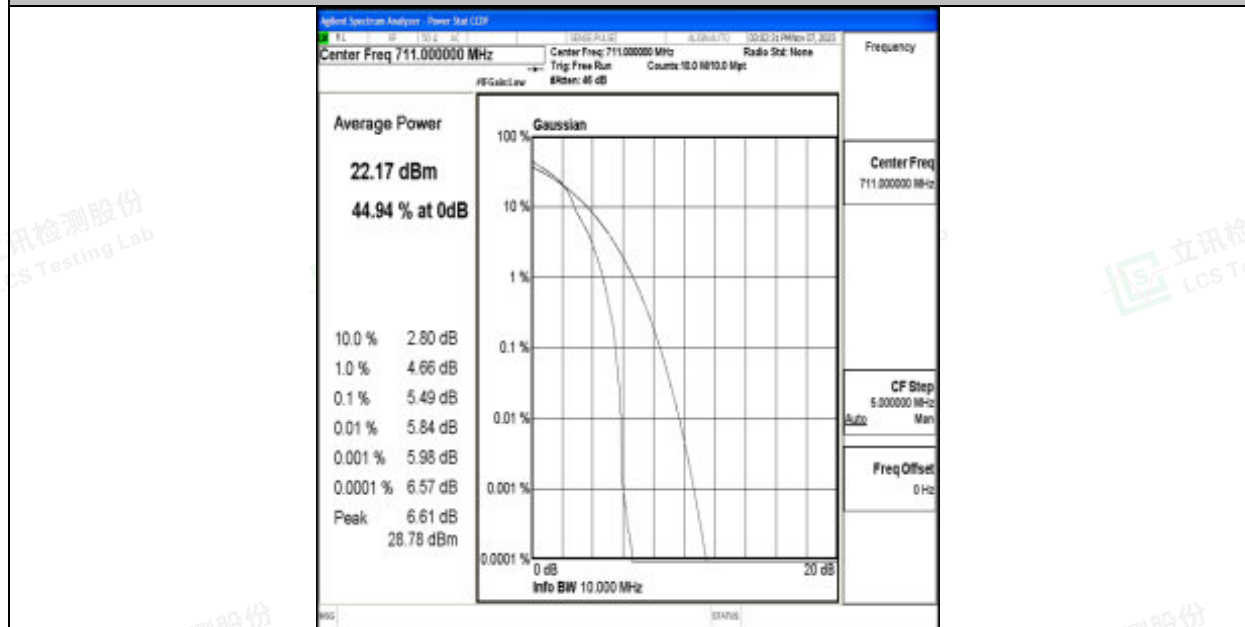
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Band12-10MHz-QPSK-23130-1RB#0-PASS



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

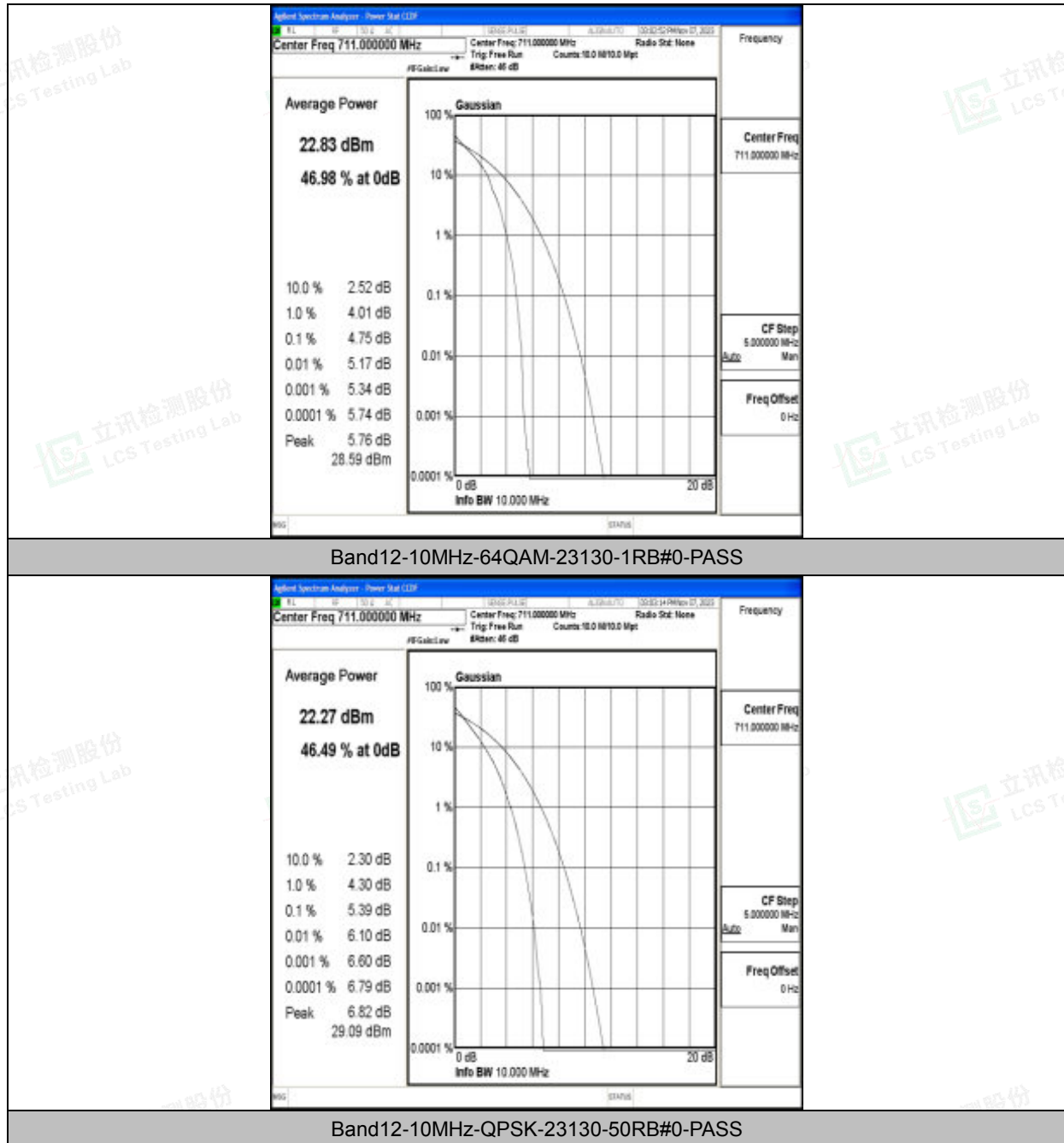


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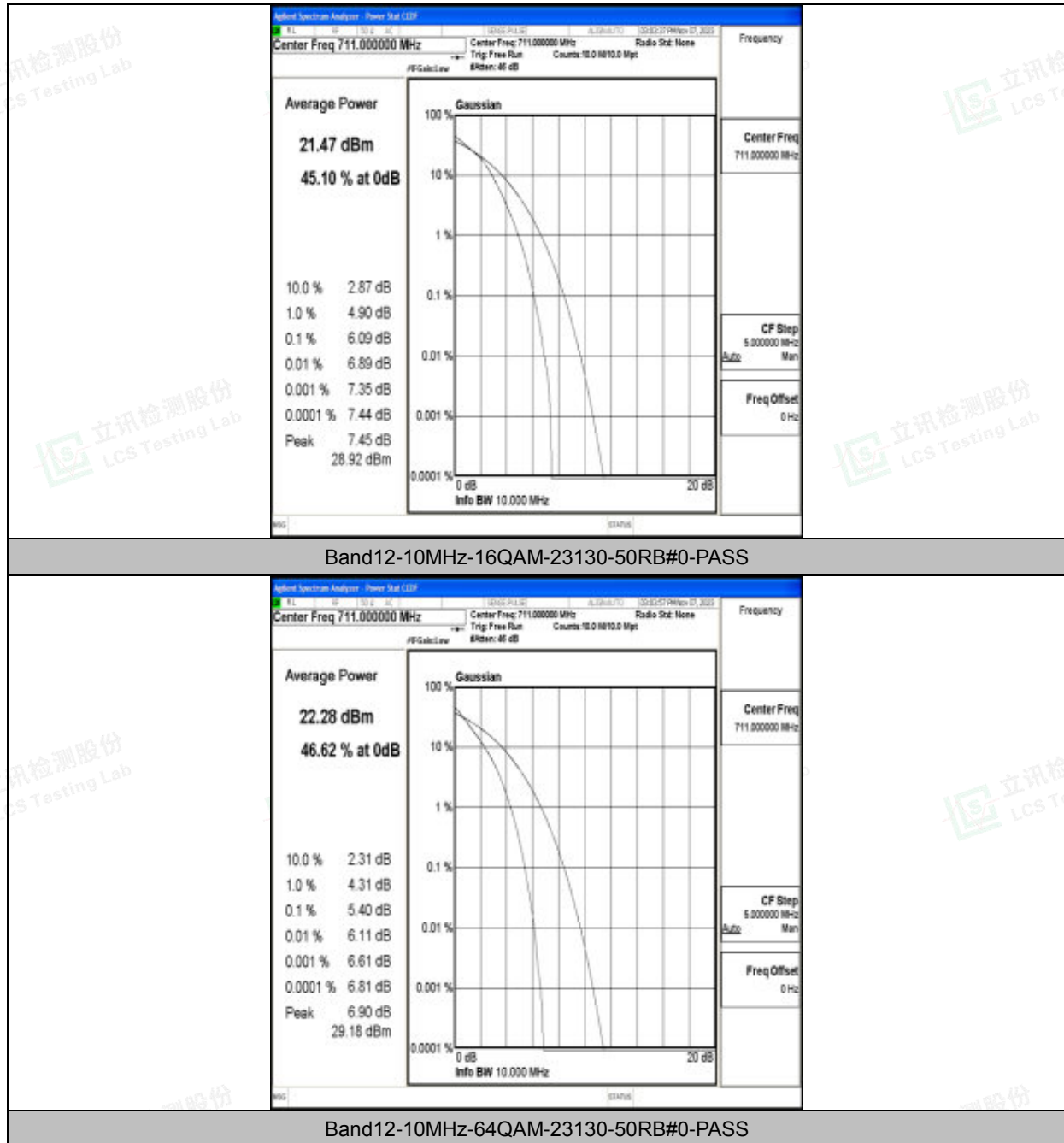


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F.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0915	1.267	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1031	1.275	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.0985	1.304	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0927	1.257	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1028	1.327	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.0956	1.302	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0934	1.274	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0993	1.288	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.0940	1.268	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7116	3.222	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6969	3.120	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.7131	3.189	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7184	3.092	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7004	3.101	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.7165	3.133	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7084	3.151	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7060	3.095	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.7005	3.205	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5271	5.335	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5242	5.325	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.5226	5.215	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5119	5.347	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5218	5.253	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.5113	5.322	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5136	5.323	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5242	5.244	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.5245	5.293	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9959	10.04	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9915	9.968	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.9870	10.17	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9997	10.01	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0048	10.15	PASS
Band12	10MHz	64QAM	23095	50RB#0	9.0114	10.06	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9951	10.02	PASS



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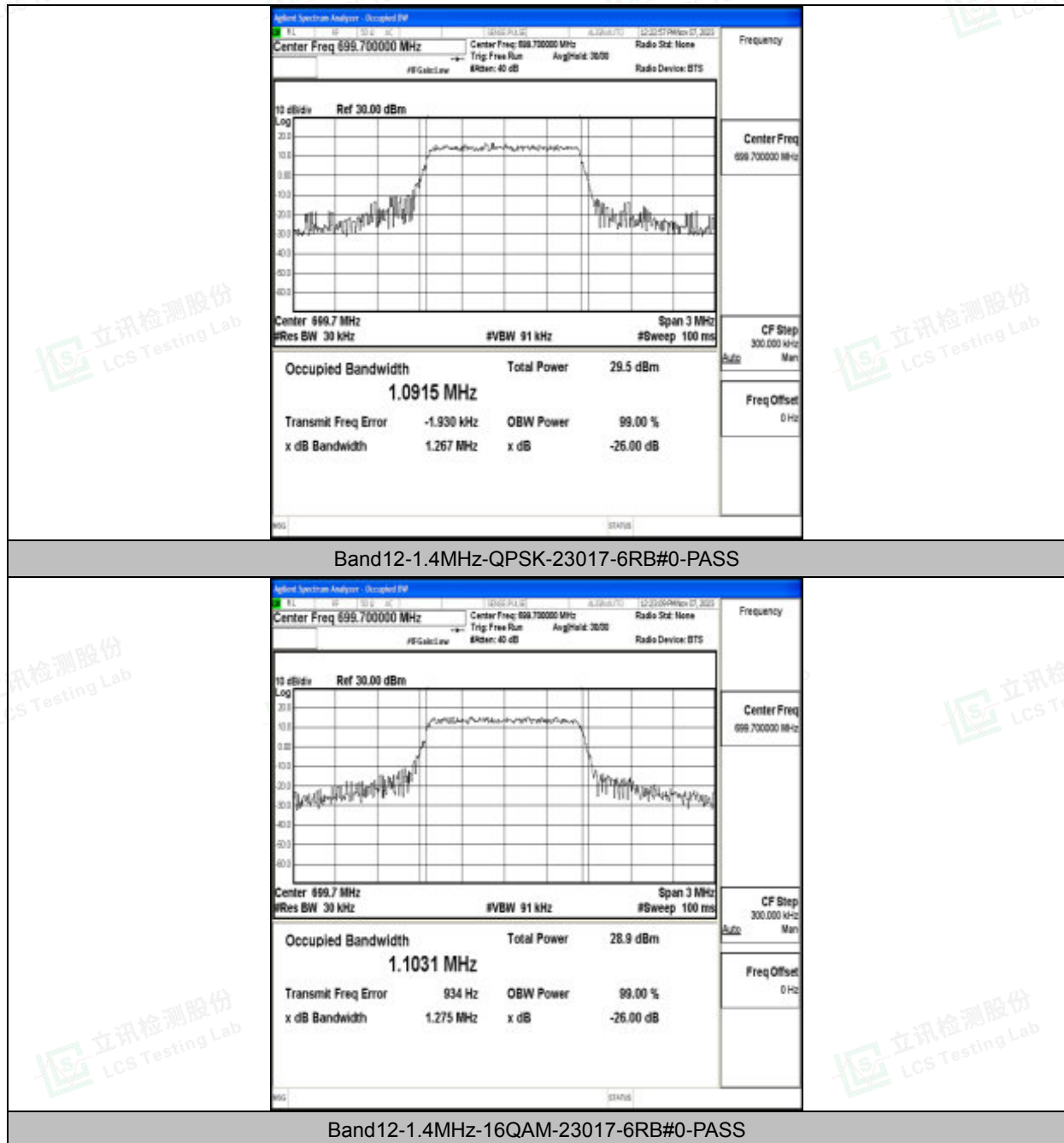


Band12	10MHz	16QAM	23130	50RB#0	8.9934	10.04	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.9860	9.989	PASS





Test Graphs

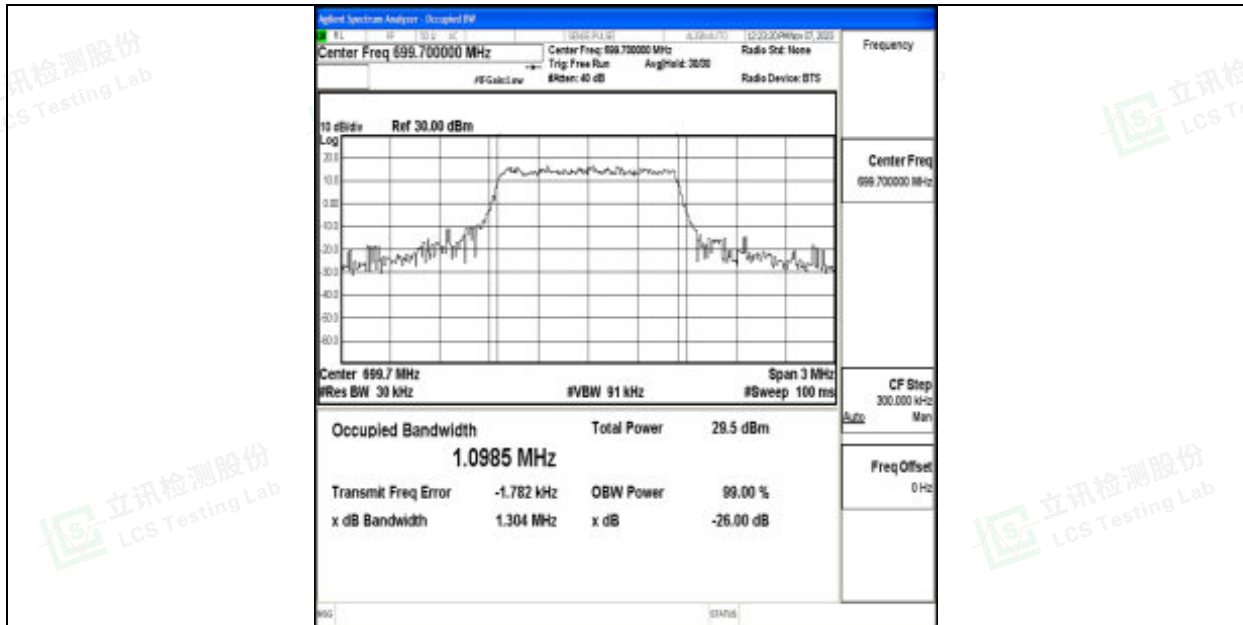


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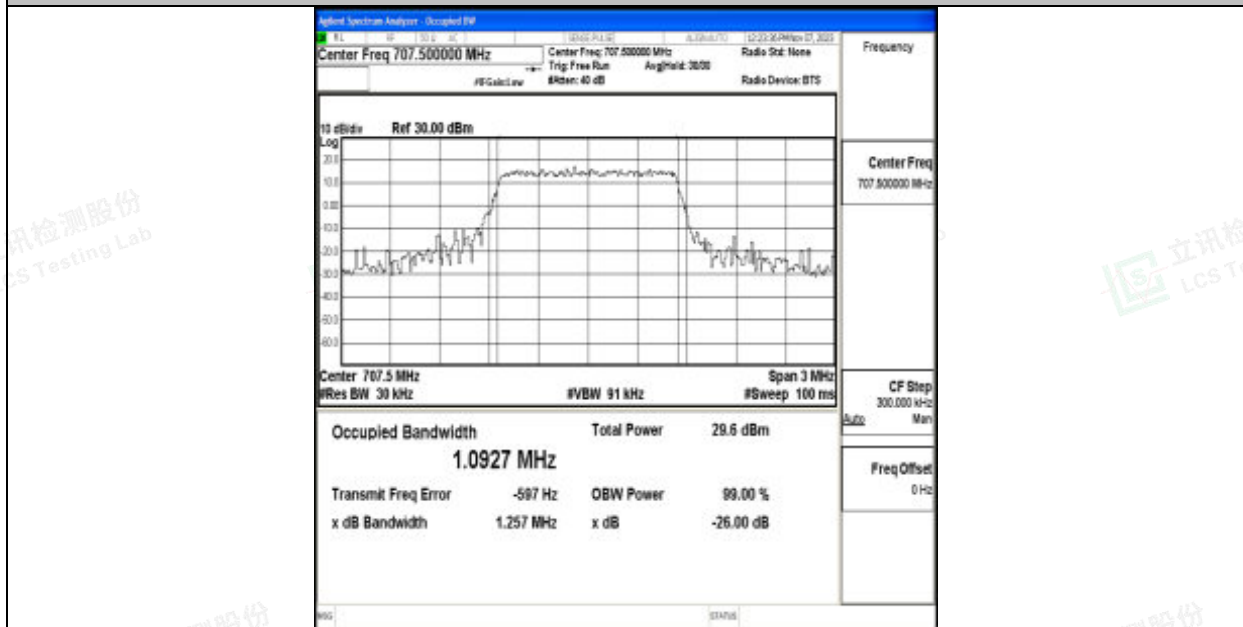
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Band12-1.4MHz-64QAM-23017-6RB#0-PASS



Band12-1.4MHz-QPSK-23095-6RB#0-PASS

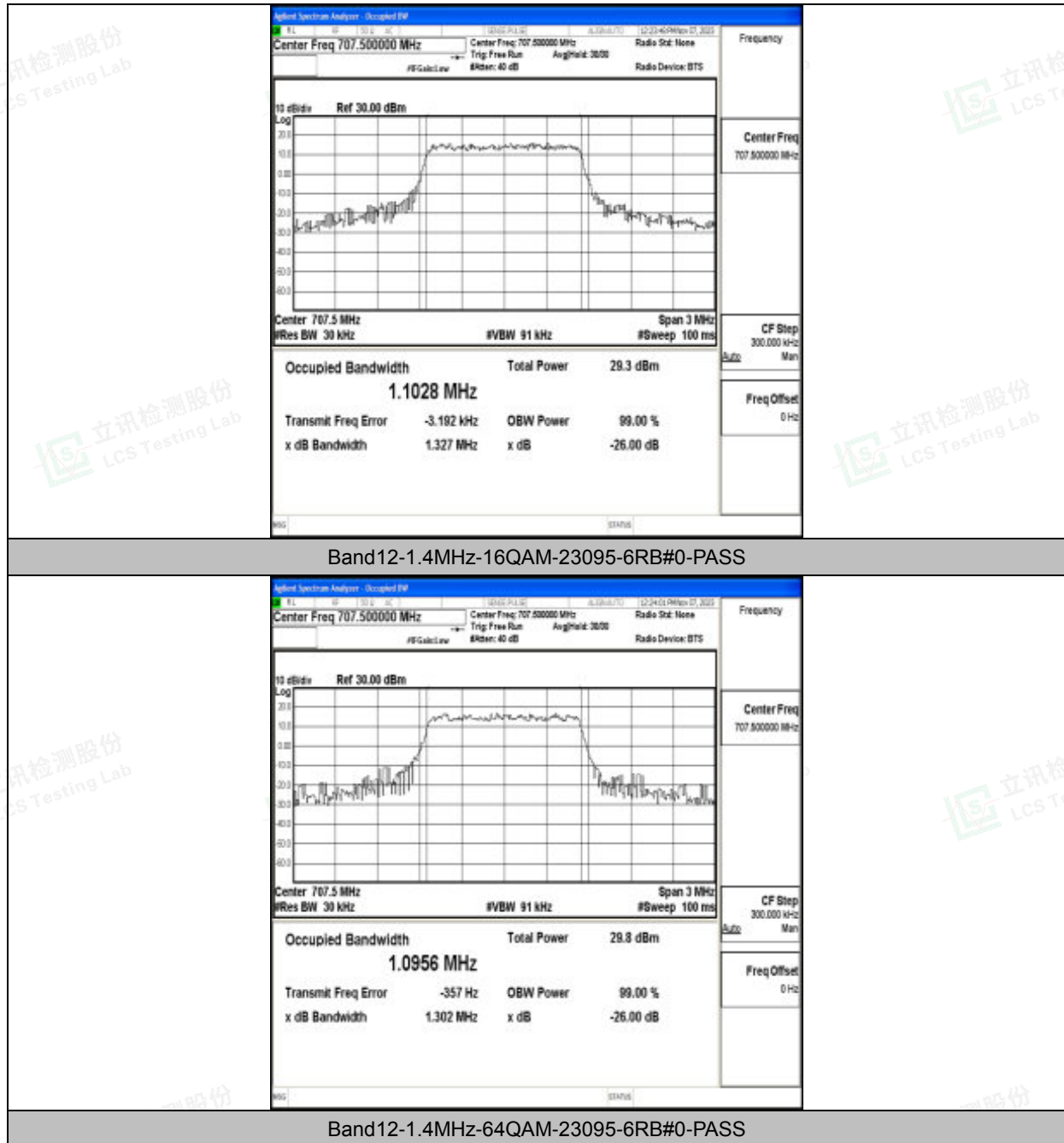


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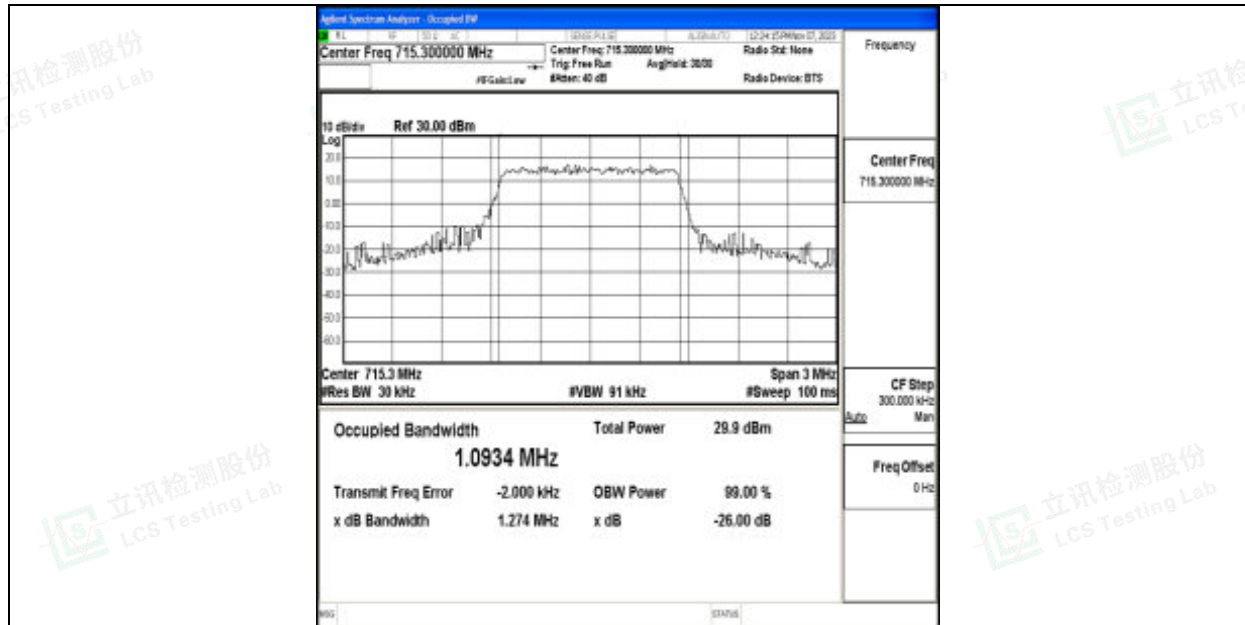


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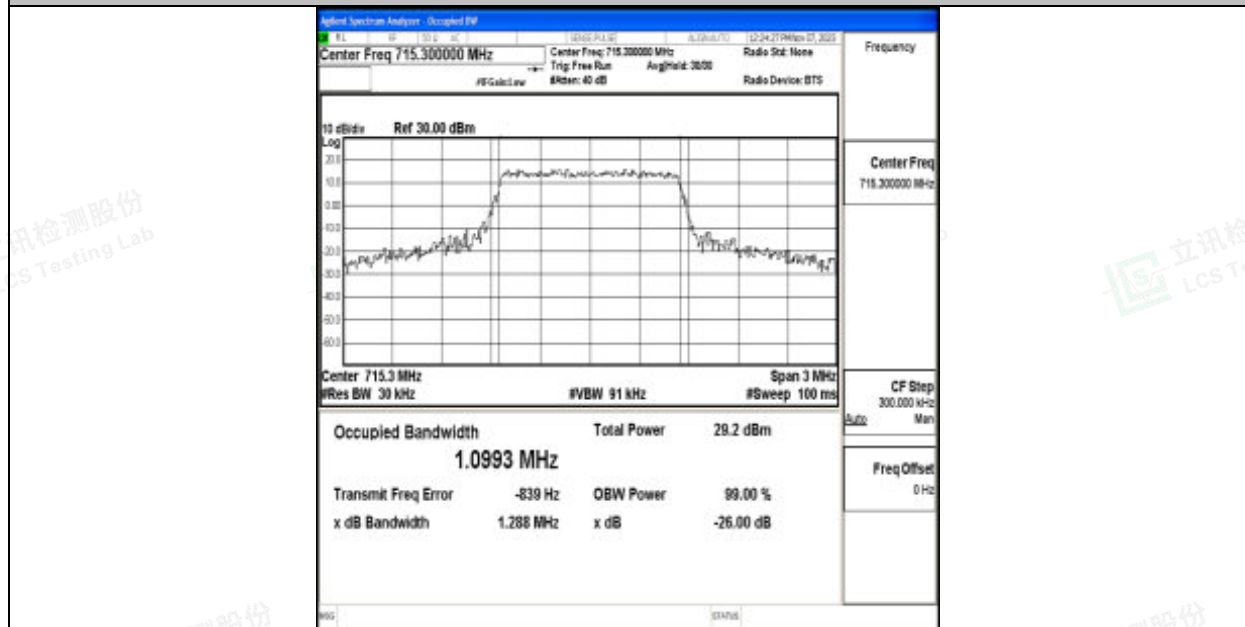
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Band12-1.4MHz-QPSK-23173-6RB#0-PASS



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

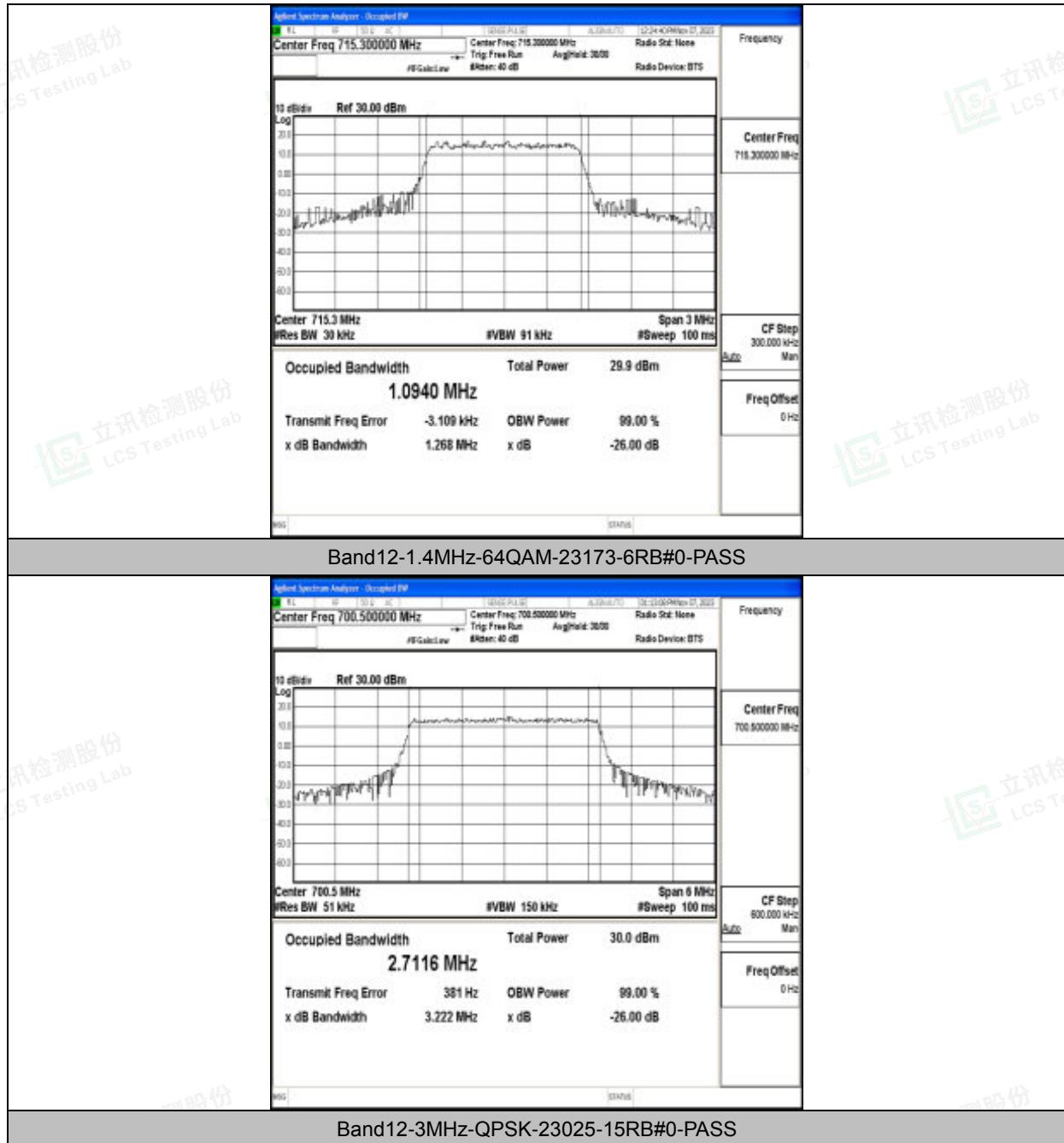


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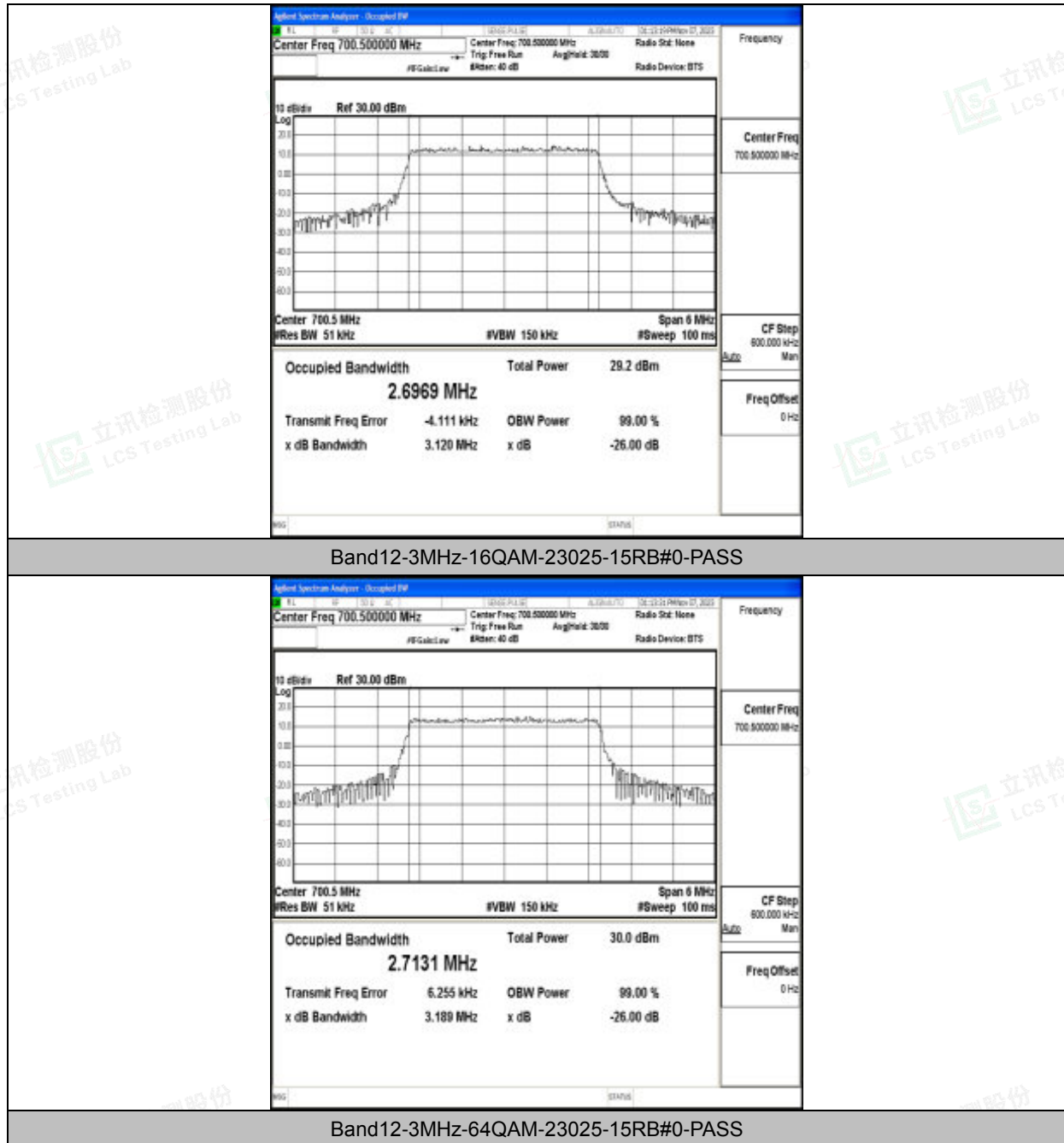


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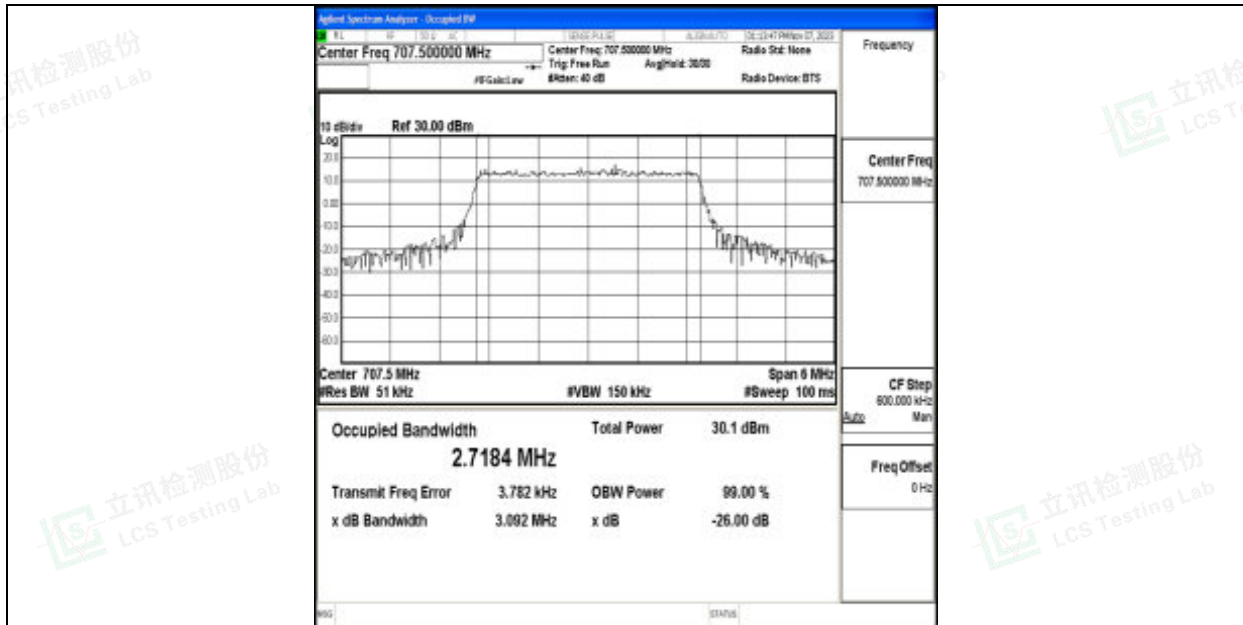


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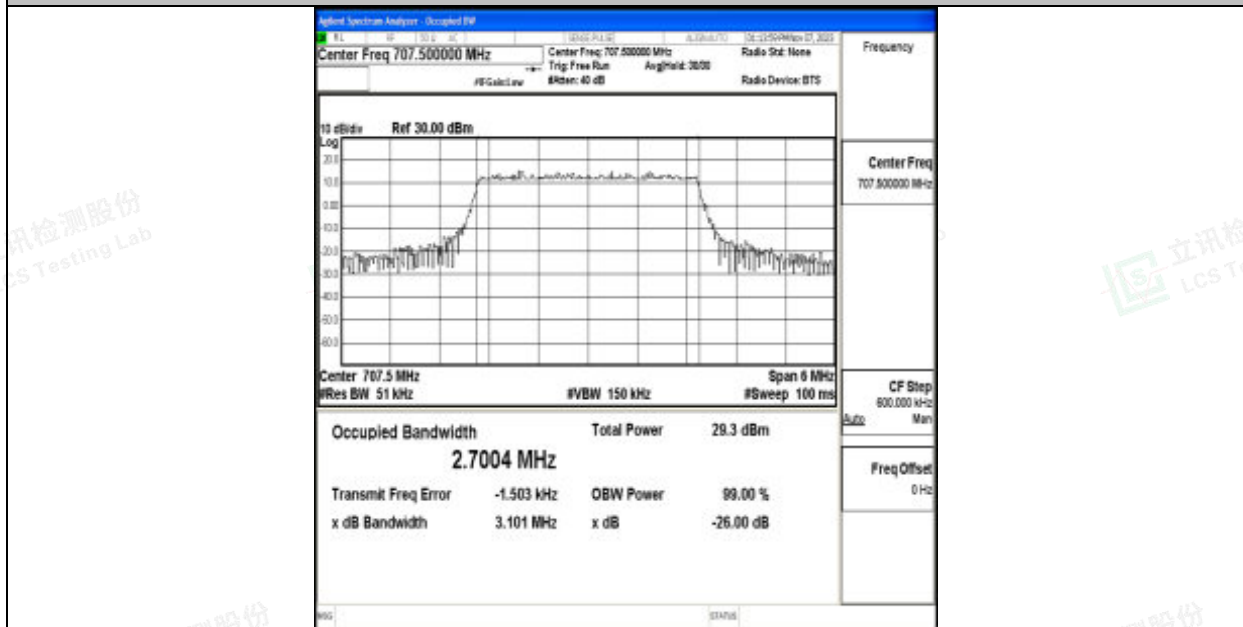
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Band12-3MHz-QPSK-23095-15RB#0-PASS



Band12-3MHz-16QAM-23095-15RB#0-PASS

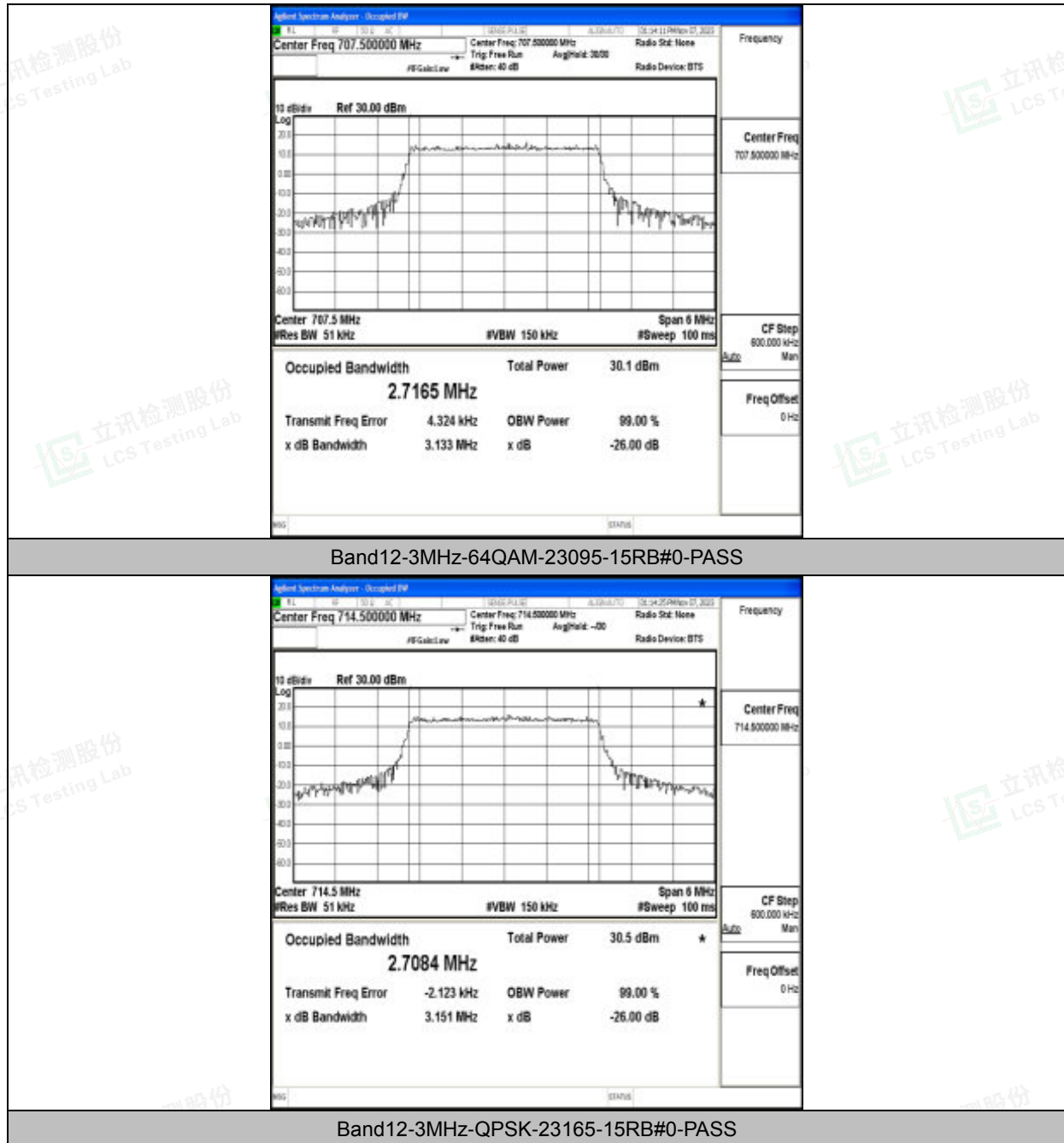


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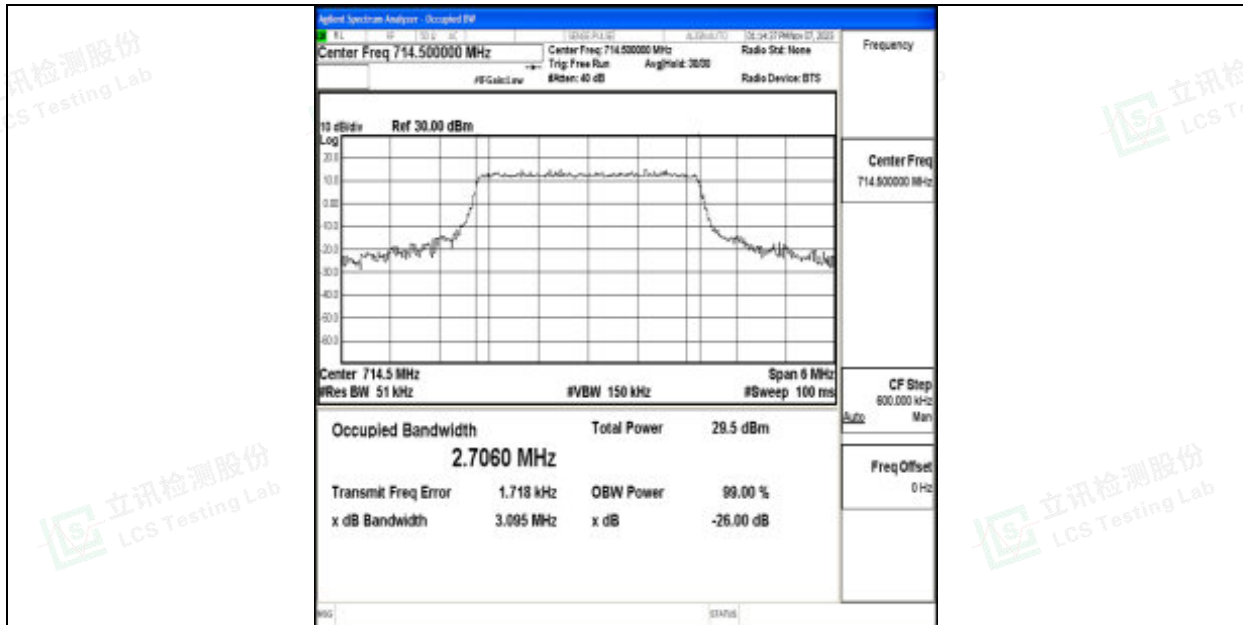


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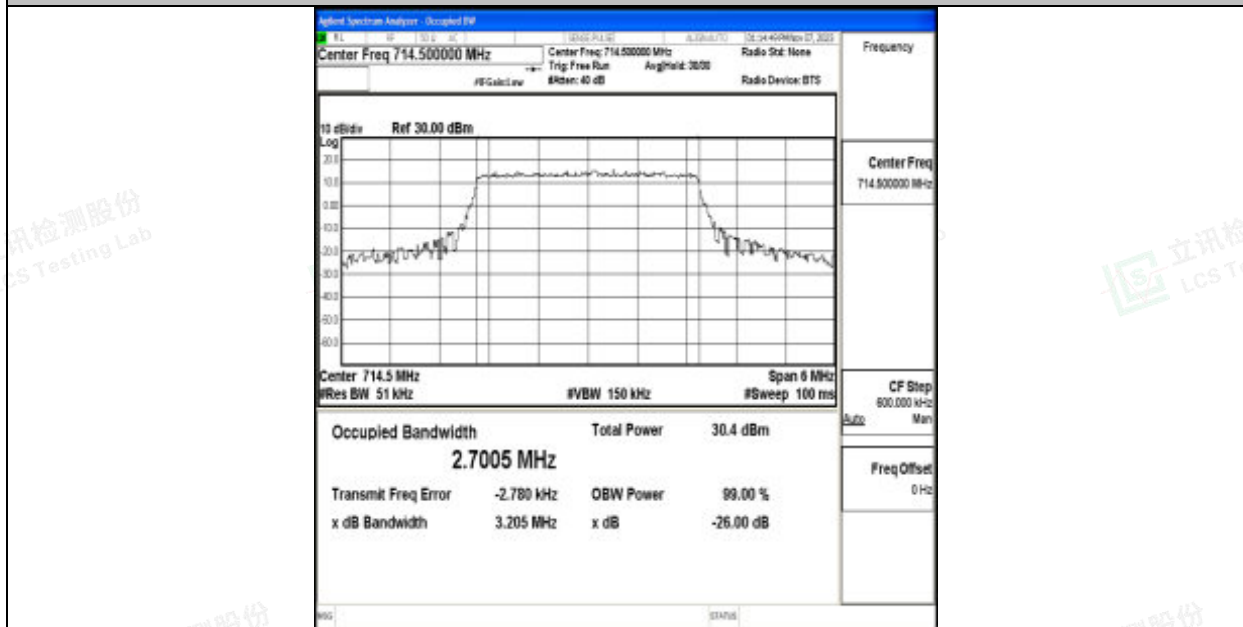
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Band12-3MHz-16QAM-23165-15RB#0-PASS



Band12-3MHz-64QAM-23165-15RB#0-PASS

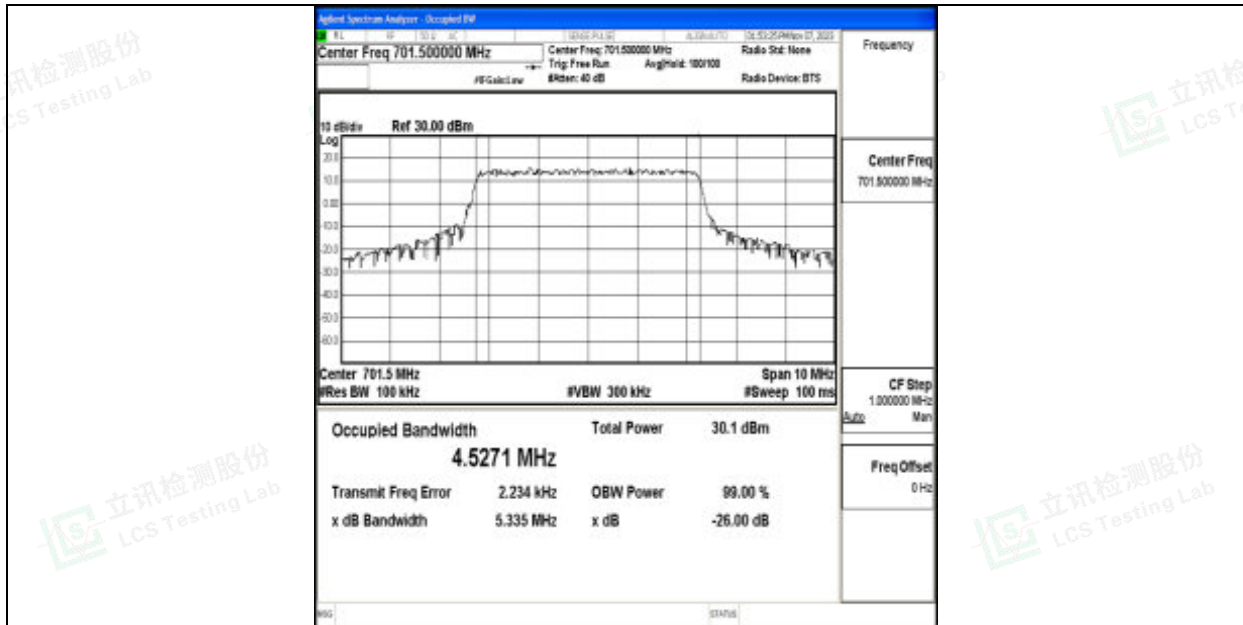


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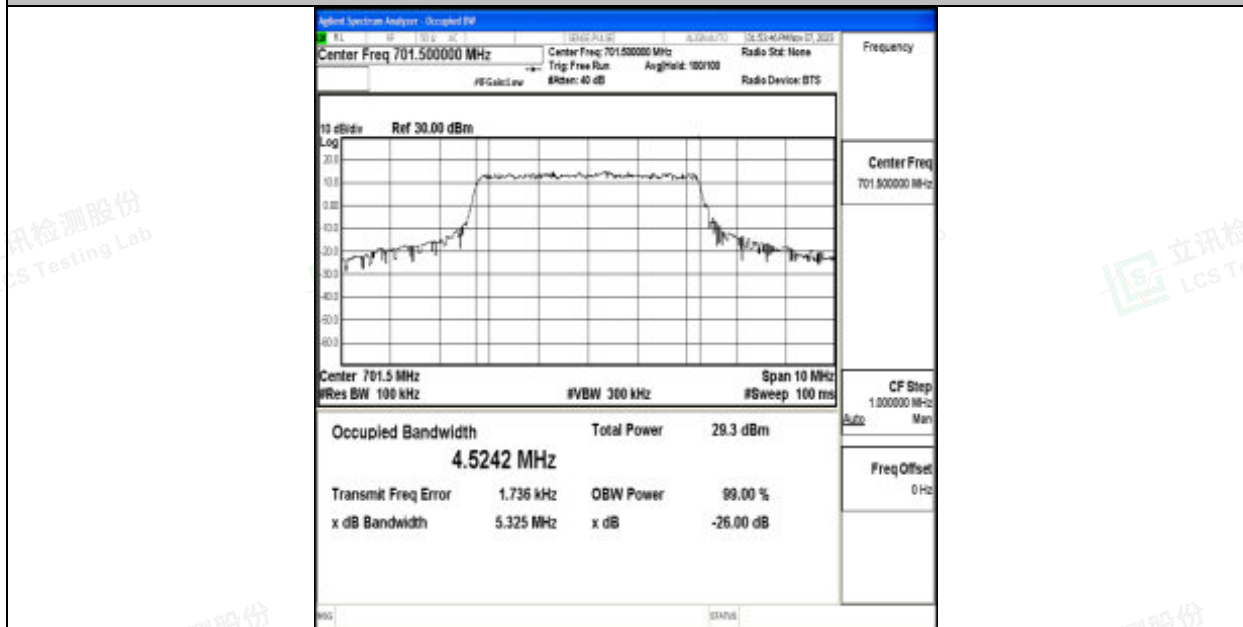
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Band12-5MHz-QPSK-23035-25RB#0-PASS



Band12-5MHz-16QAM-23035-25RB#0-PASS

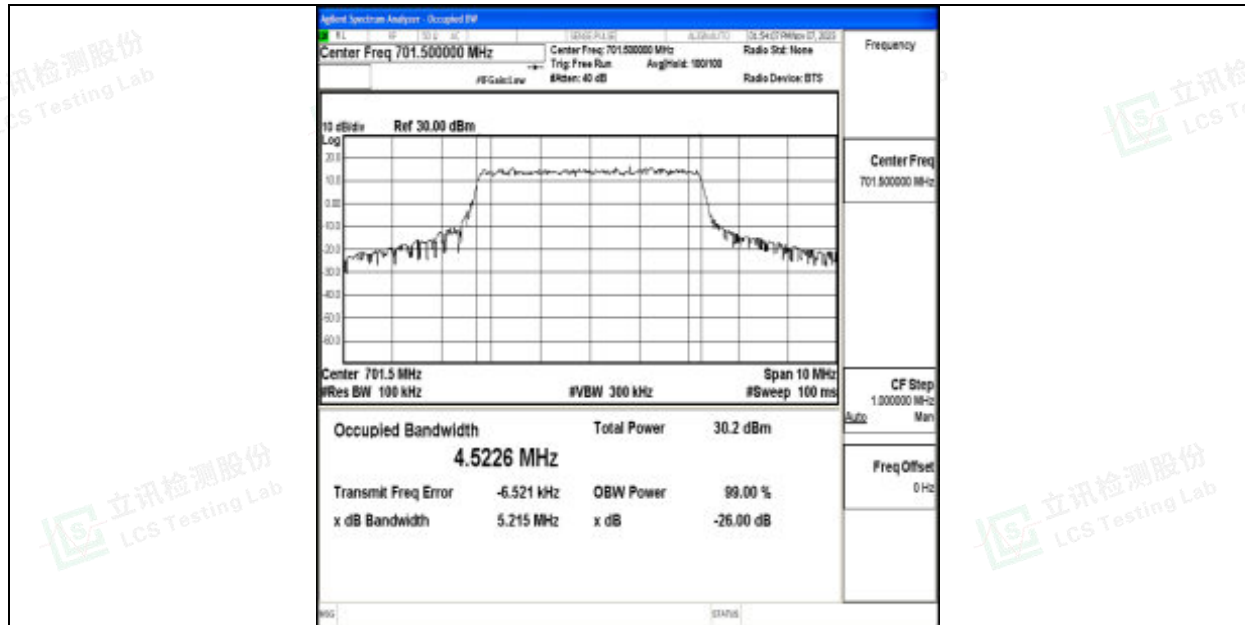


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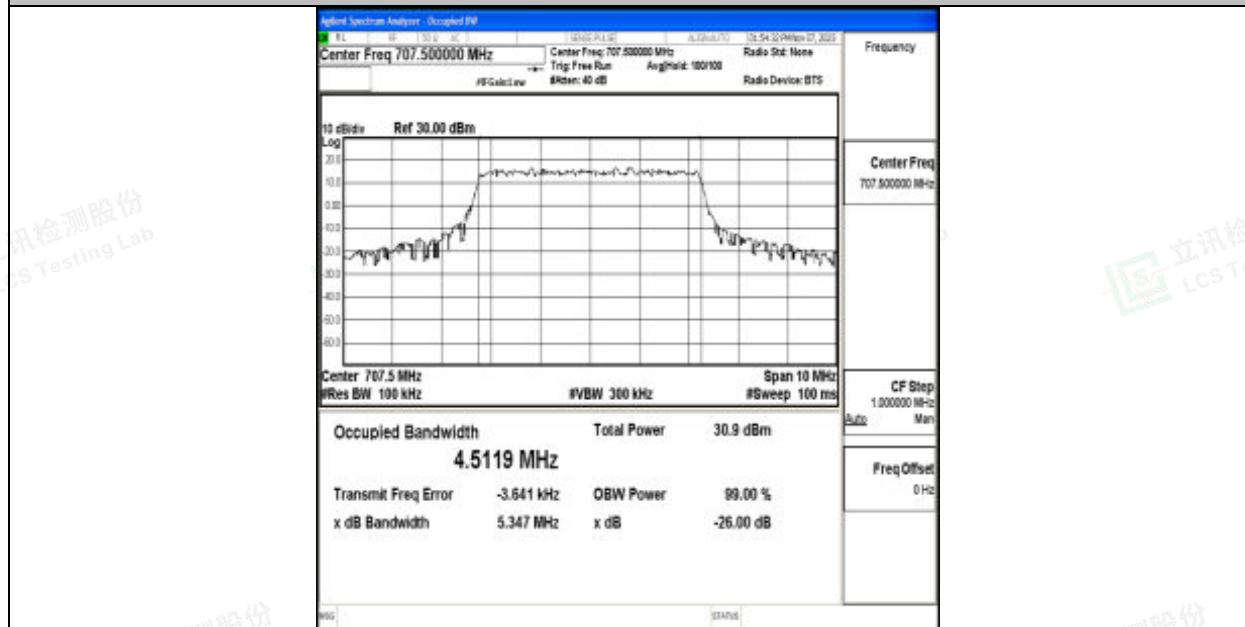
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Band12-5MHz-64QAM-23035-25RB#0-PASS



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

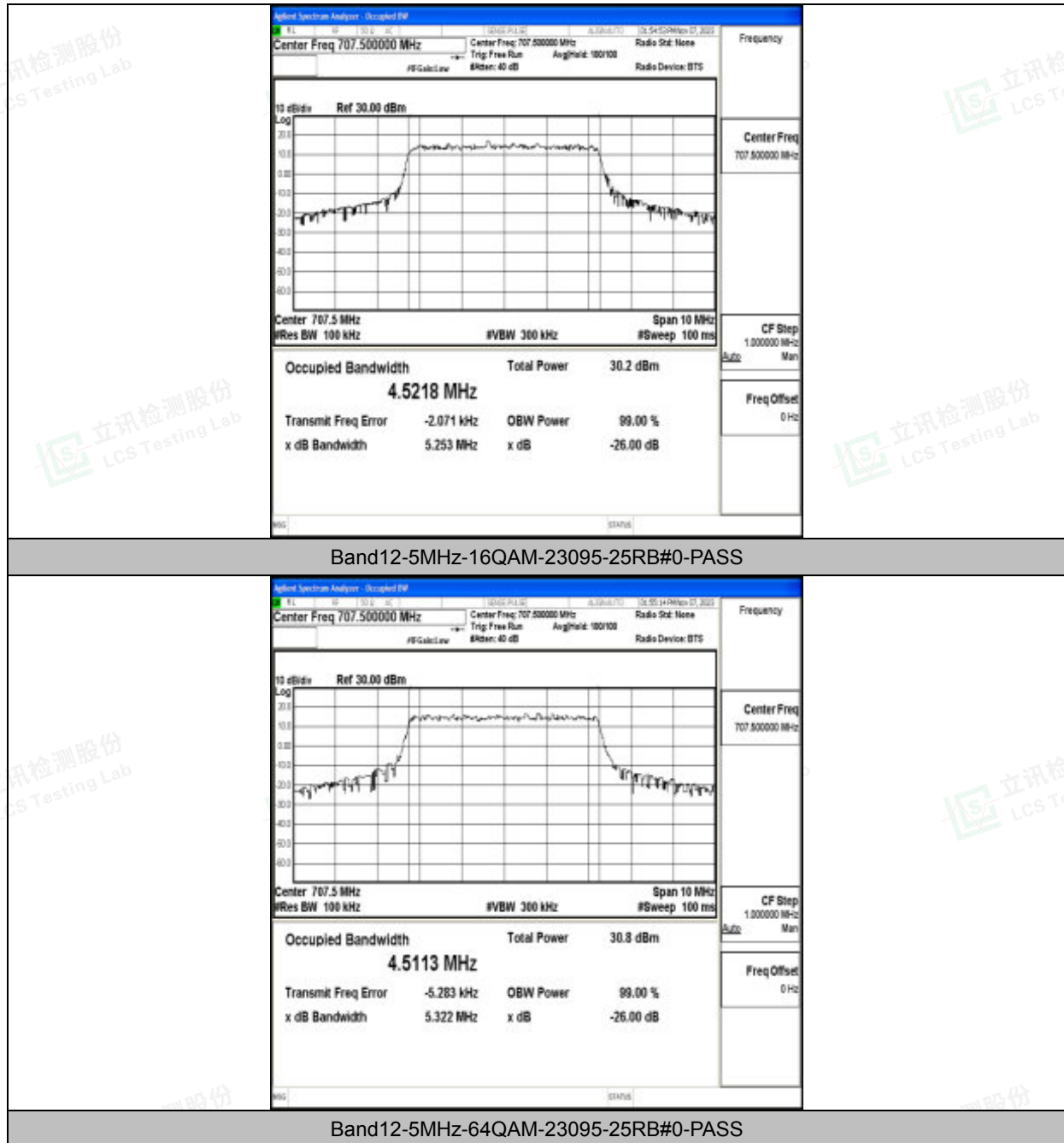


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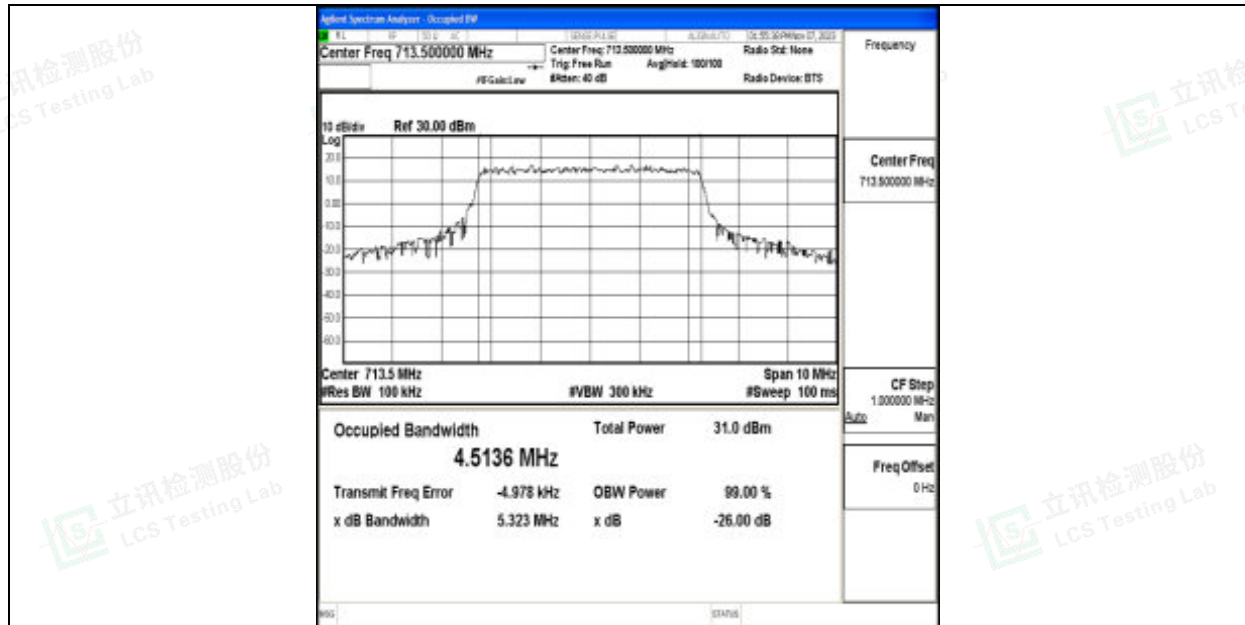


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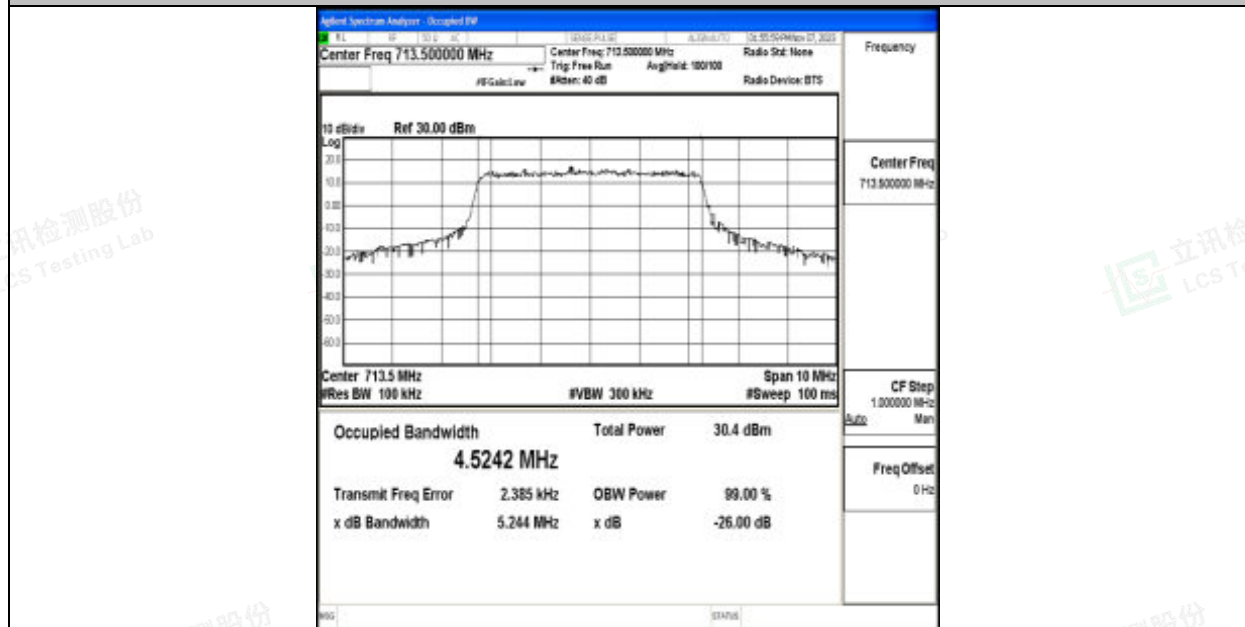
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Band12-5MHz-QPSK-23155-25RB#0-PASS



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

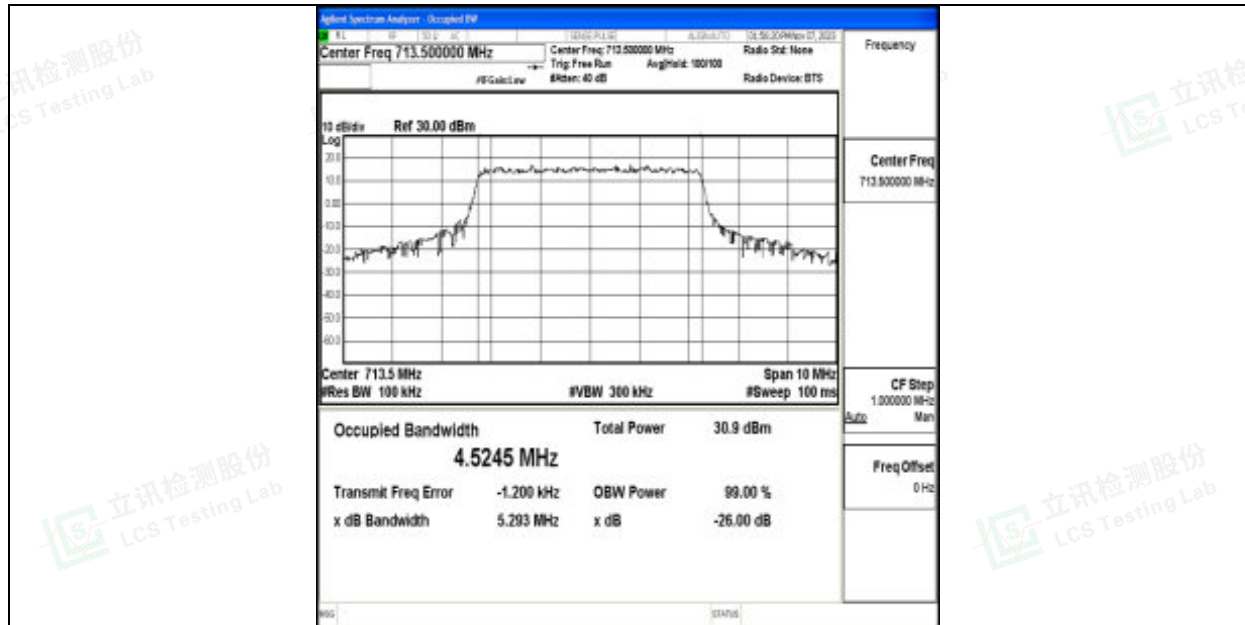


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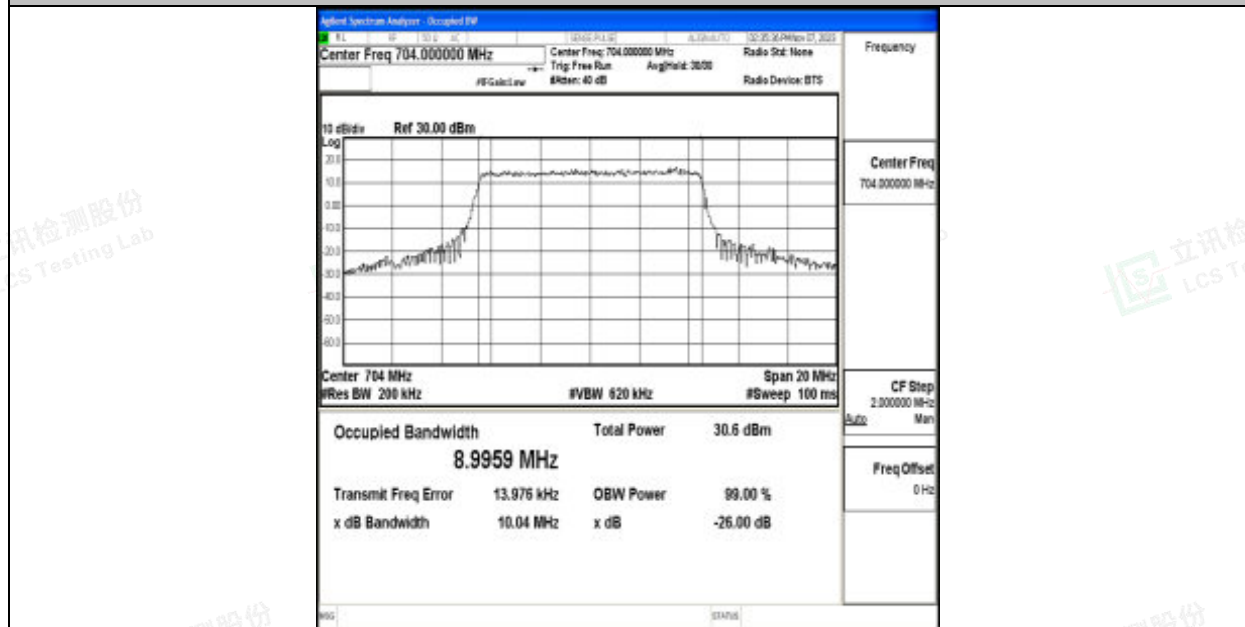
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Band12-5MHz-64QAM-23155-25RB#0-PASS



Band12-10MHz-QPSK-23060-50RB#0-PASS

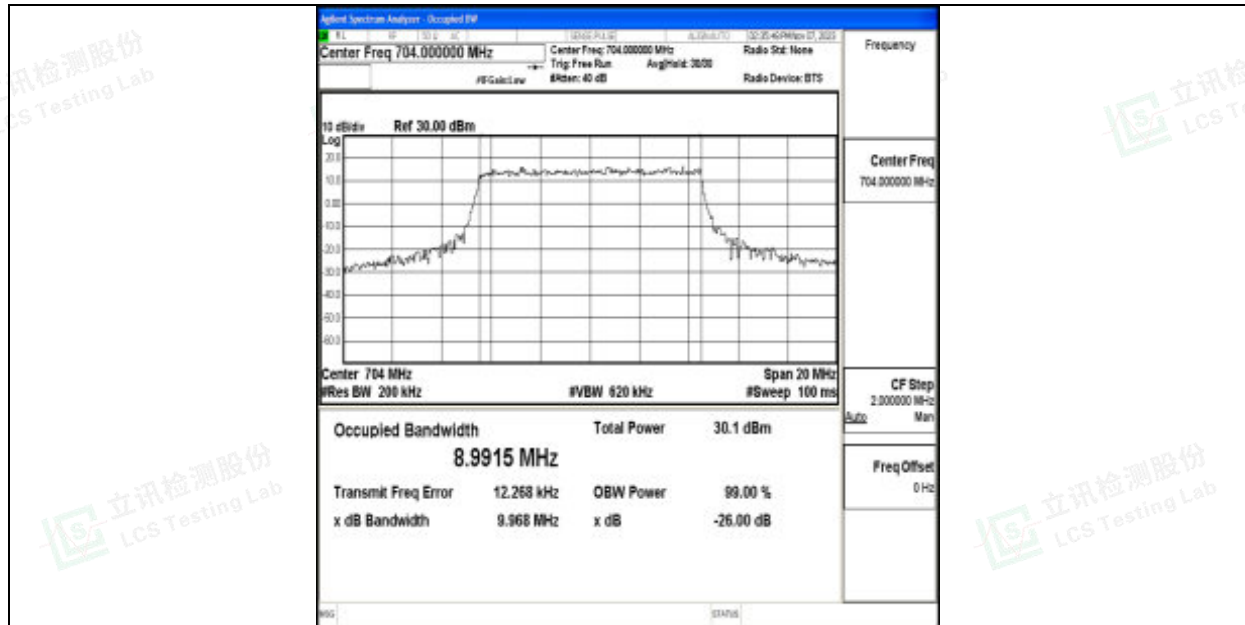


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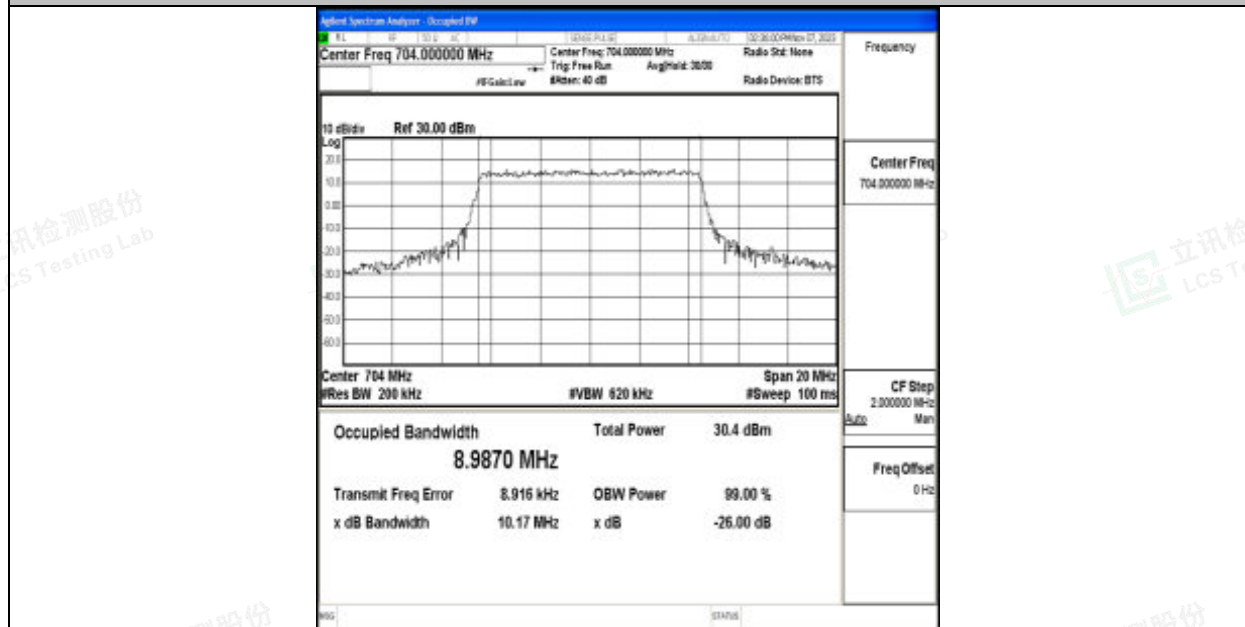
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Band12-10MHz-64QAM-23060-50RB#0-PASS

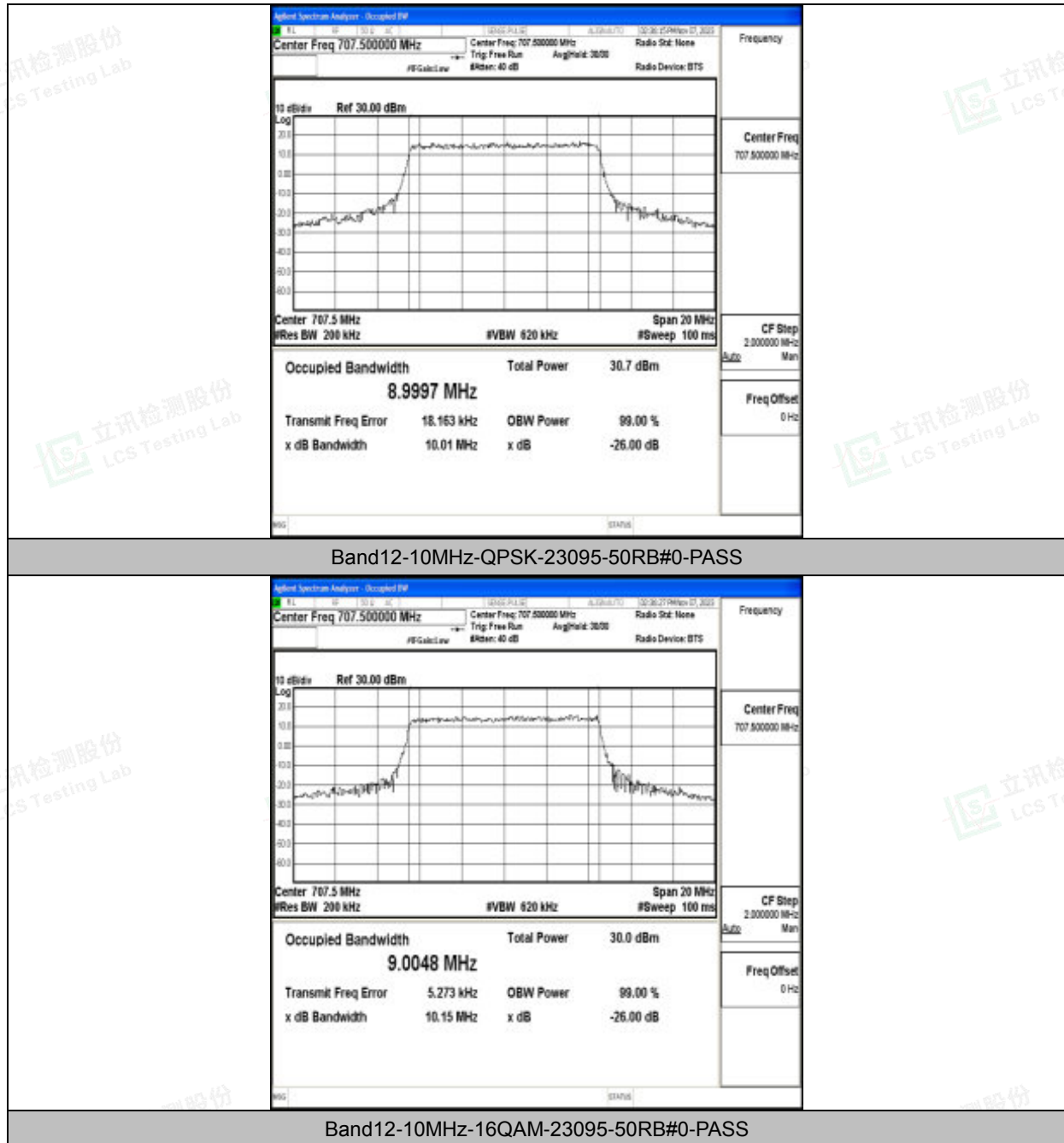


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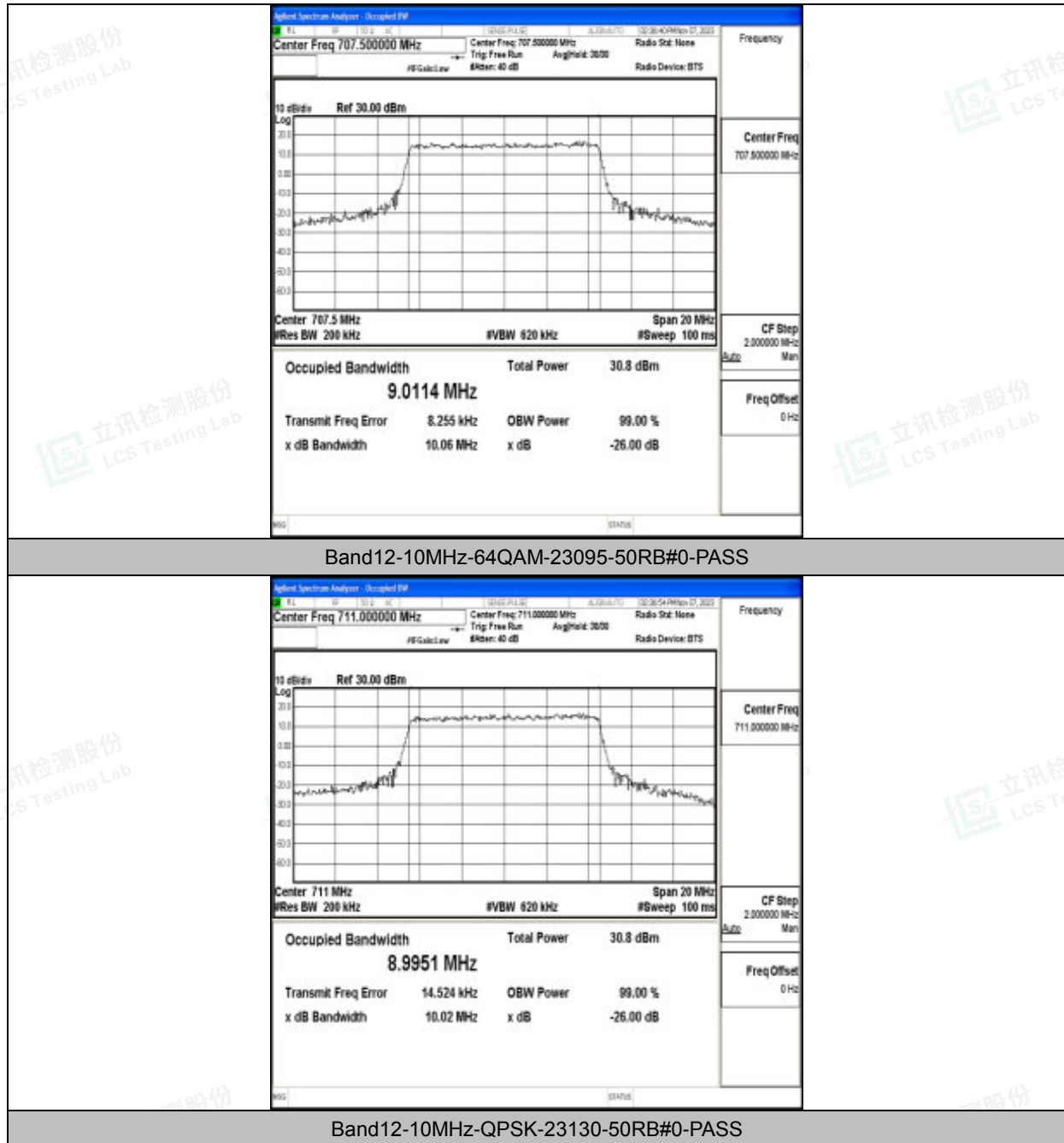


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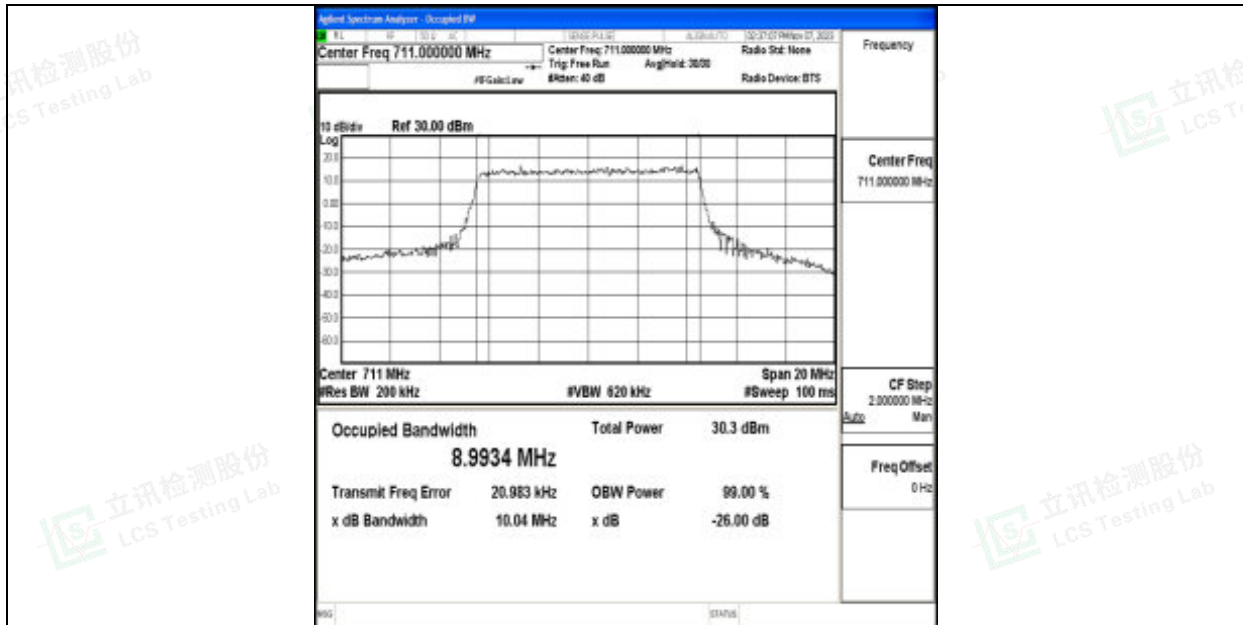


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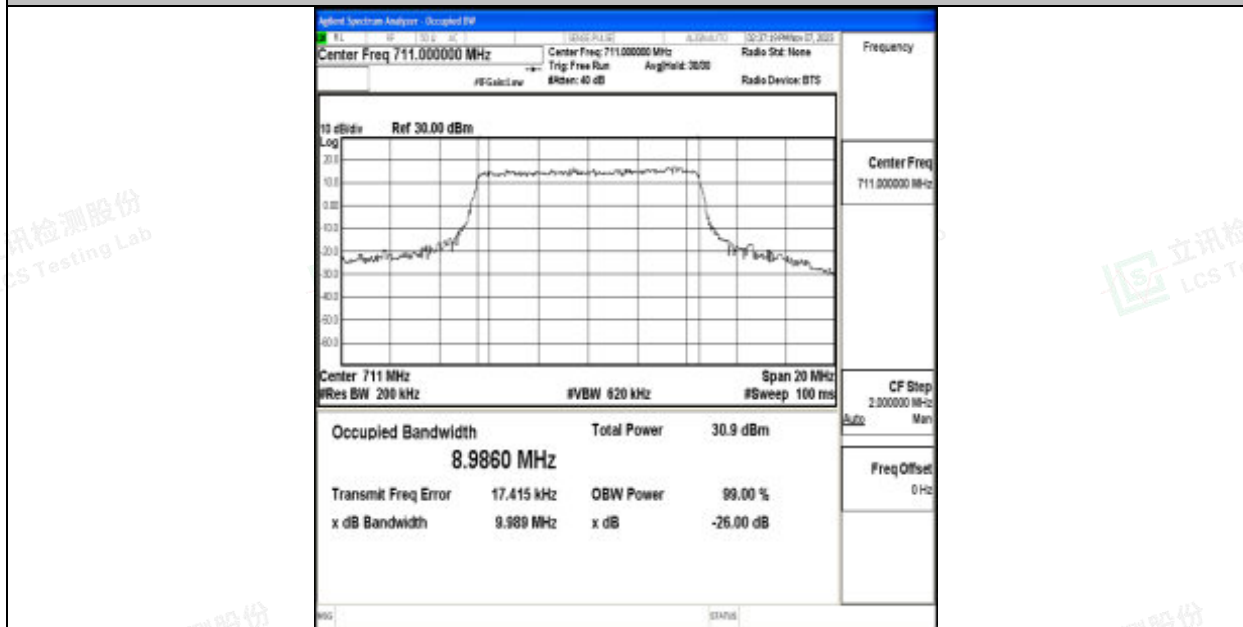
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Band12-10MHz-16QAM-23130-50RB#0-PASS



Band12-10MHz-64QAM-23130-50RB#0-PASS



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F.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	698.90	-33.42	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	698.90	-32.63	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	698.90	-33.58	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	698.39	-41.27	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	698.35	-41.21	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	698.42	-41.29	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	698.89	-32.01	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.89	-31.91	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	698.89	-31.94	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.00	0.00	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.00	0.00	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	0.00	0.00	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	0.00	0.00	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	0.00	0.00	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	0.00	0.00	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	0.00	0.00	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	0.00	0.00	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	0.00	0.00	PASS
Band12	3MHz	QPSK	23025	1RB#0	698.89	-31.45	PASS
Band12	3MHz	16QAM	23025	1RB#0	698.90	-31.65	PASS
Band12	3MHz	64QAM	23025	1RB#0	698.90	-29.95	PASS
Band12	3MHz	QPSK	23025	1RB#14	698.03	-42.92	PASS
Band12	3MHz	16QAM	23025	1RB#14	698.01	-43.54	PASS
Band12	3MHz	64QAM	23025	1RB#14	698.02	-43.14	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.90	-33.73	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.90	-34.06	PASS
Band12	3MHz	64QAM	23025	15RB#0	698.90	-33.91	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.00	0.00	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.00	0.00	PASS
Band12	3MHz	64QAM	23165	1RB#0	0.00	0.00	PASS
Band12	3MHz	QPSK	23165	1RB#14	0.00	0.00	PASS
Band12	3MHz	16QAM	23165	1RB#14	0.00	0.00	PASS
Band12	3MHz	64QAM	23165	1RB#14	0.00	0.00	PASS
Band12	3MHz	QPSK	23165	15RB#0	0.00	0.00	PASS
Band12	3MHz	16QAM	23165	15RB#0	0.00	0.00	PASS
Band12	3MHz	64QAM	23165	15RB#0	0.00	0.00	PASS



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Band12	5MHz	QPSK	23035	1RB#0	698.90	-36.71	PASS
Band12	5MHz	16QAM	23035	1RB#0	698.90	-38.44	PASS
Band12	5MHz	64QAM	23035	1RB#0	698.90	-37.14	PASS
Band12	5MHz	QPSK	23035	1RB#24	698.89	-51.67	PASS
Band12	5MHz	16QAM	23035	1RB#24	698.90	-52.79	PASS
Band12	5MHz	64QAM	23035	1RB#24	698.90	-51.19	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.90	-36.47	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.90	-36.53	PASS
Band12	5MHz	64QAM	23035	25RB#0	698.73	-36.62	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.00	0.00	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.00	0.00	PASS
Band12	5MHz	64QAM	23155	1RB#0	0.00	0.00	PASS
Band12	5MHz	QPSK	23155	1RB#24	0.00	0.00	PASS
Band12	5MHz	16QAM	23155	1RB#24	0.00	0.00	PASS
Band12	5MHz	64QAM	23155	1RB#24	0.00	0.00	PASS
Band12	5MHz	QPSK	23155	25RB#0	0.00	0.00	PASS
Band12	5MHz	16QAM	23155	25RB#0	0.00	0.00	PASS
Band12	5MHz	64QAM	23155	25RB#0	0.00	0.00	PASS
Band12	10MHz	QPSK	23060	1RB#0	698.89	-41.17	PASS
Band12	10MHz	16QAM	23060	1RB#0	698.89	-42.00	PASS
Band12	10MHz	64QAM	23060	1RB#0	698.90	-40.82	PASS
Band12	10MHz	QPSK	23060	1RB#49	698.86	-53.34	PASS
Band12	10MHz	16QAM	23060	1RB#49	698.89	-53.01	PASS
Band12	10MHz	64QAM	23060	1RB#49	698.90	-53.37	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.90	-37.73	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.90	-39.32	PASS
Band12	10MHz	64QAM	23060	50RB#0	698.88	-37.89	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.00	0.00	PASS
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Band12	10MHz	64QAM	23130	1RB#0	0.00	0.00	PASS
Band12	10MHz	QPSK	23130	1RB#49	0.00	0.00	PASS
Band12	10MHz	16QAM	23130	1RB#49	0.00	0.00	PASS
Band12	10MHz	64QAM	23130	1RB#49	0.00	0.00	PASS
Band12	10MHz	QPSK	23130	50RB#0	0.00	0.00	PASS
Band12	10MHz	16QAM	23130	50RB#0	0.00	0.00	PASS
Band12	10MHz	64QAM	23130	50RB#0	0.00	0.00	PASS



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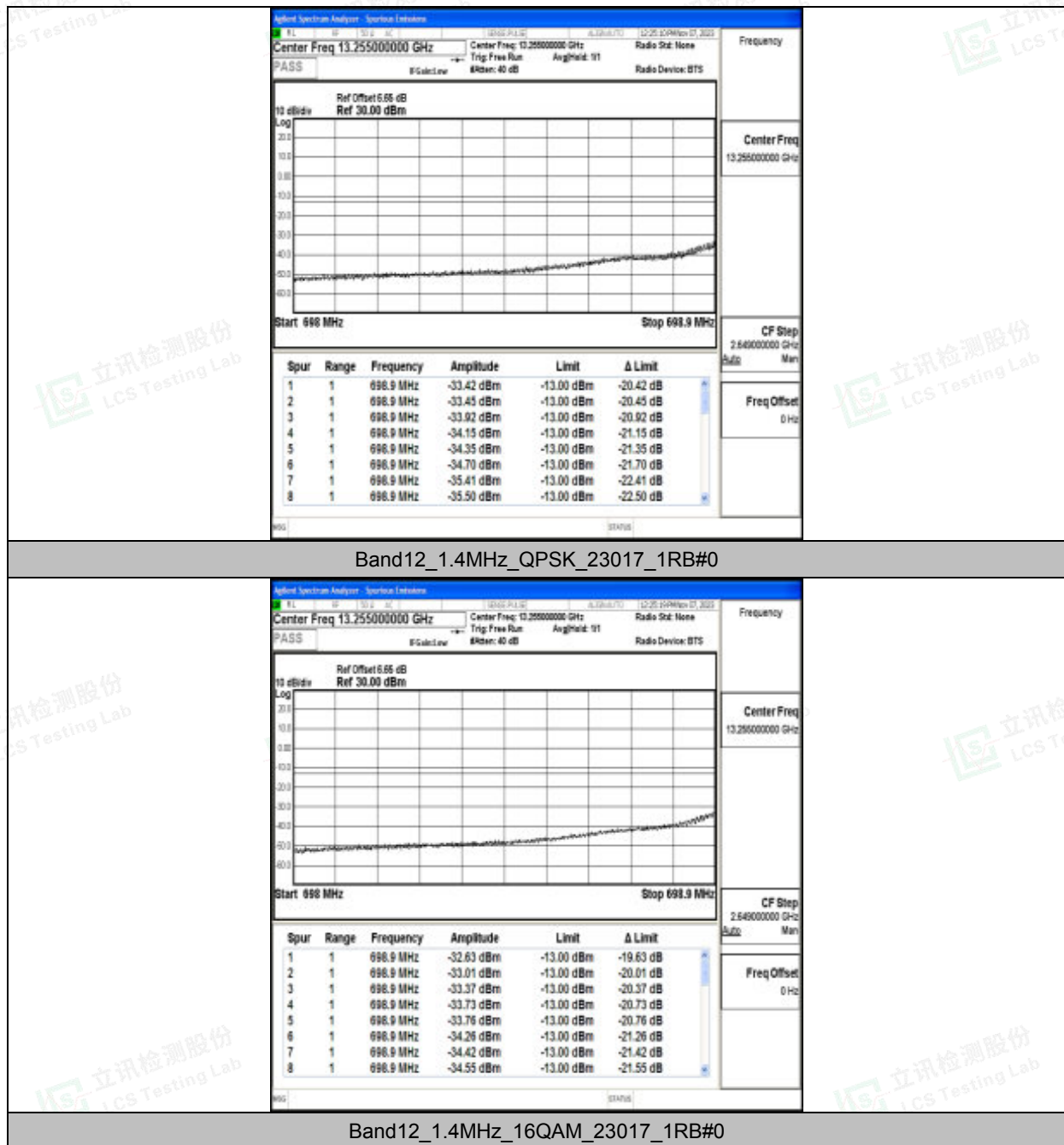
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Test Graphs

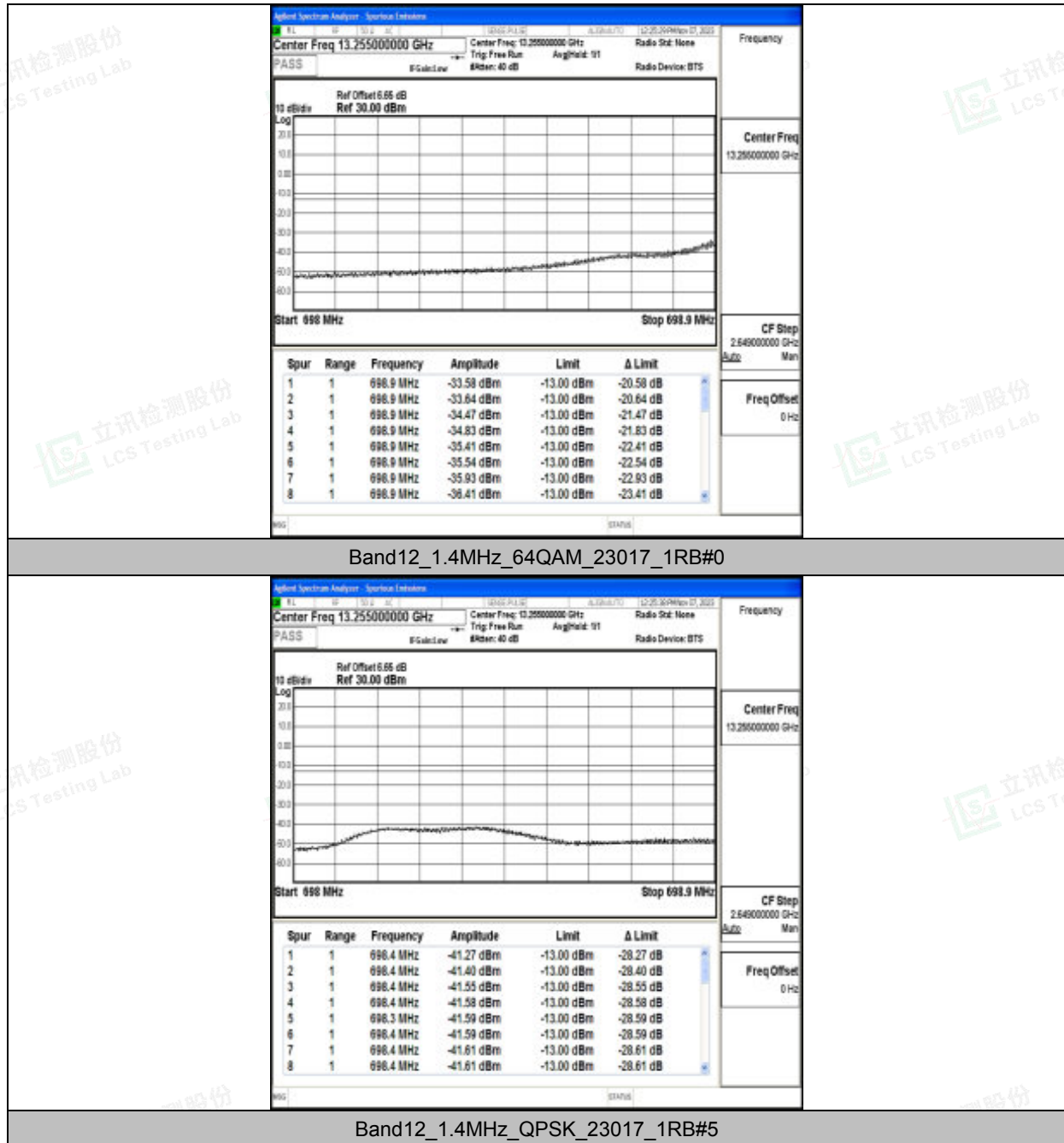


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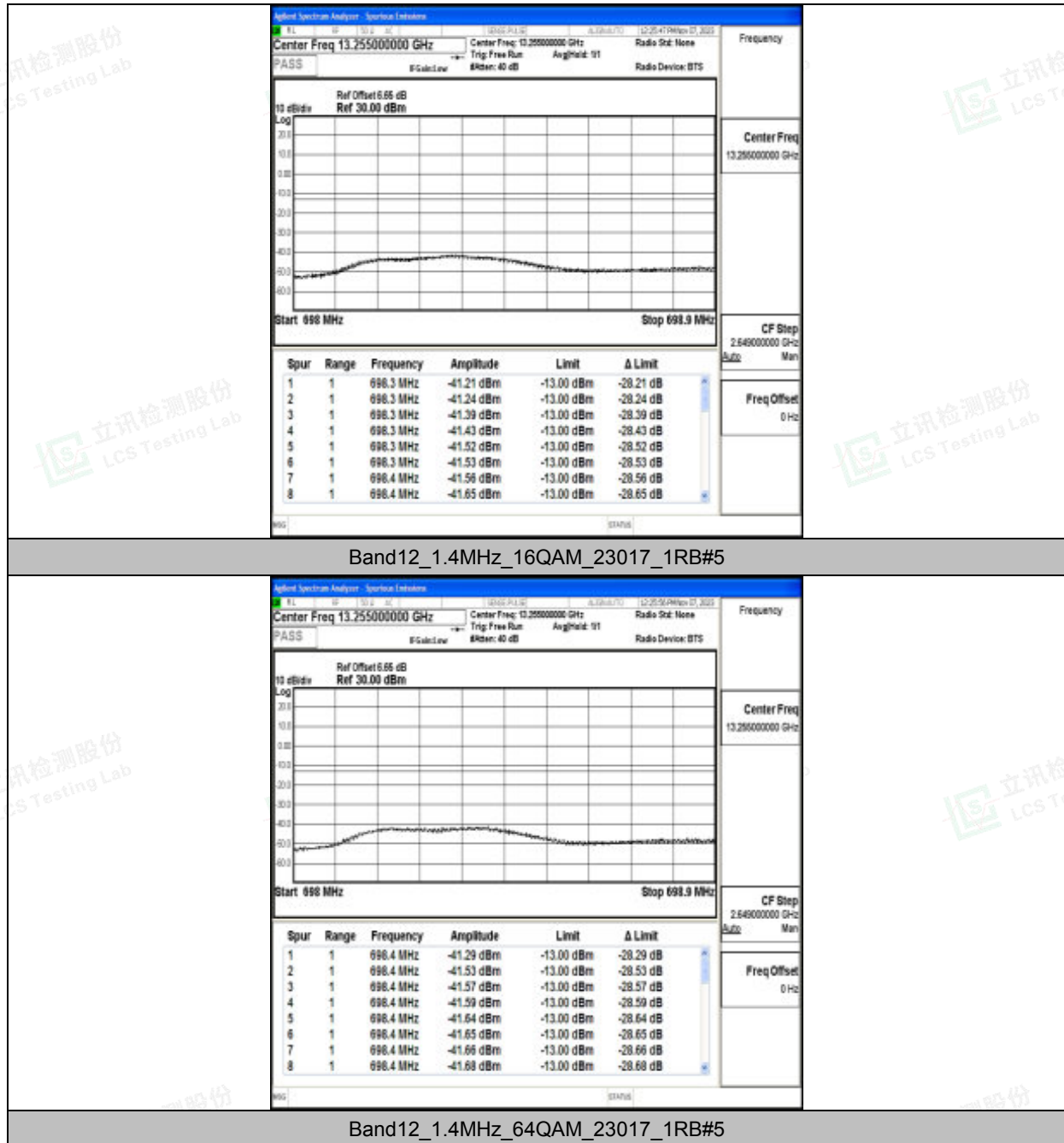


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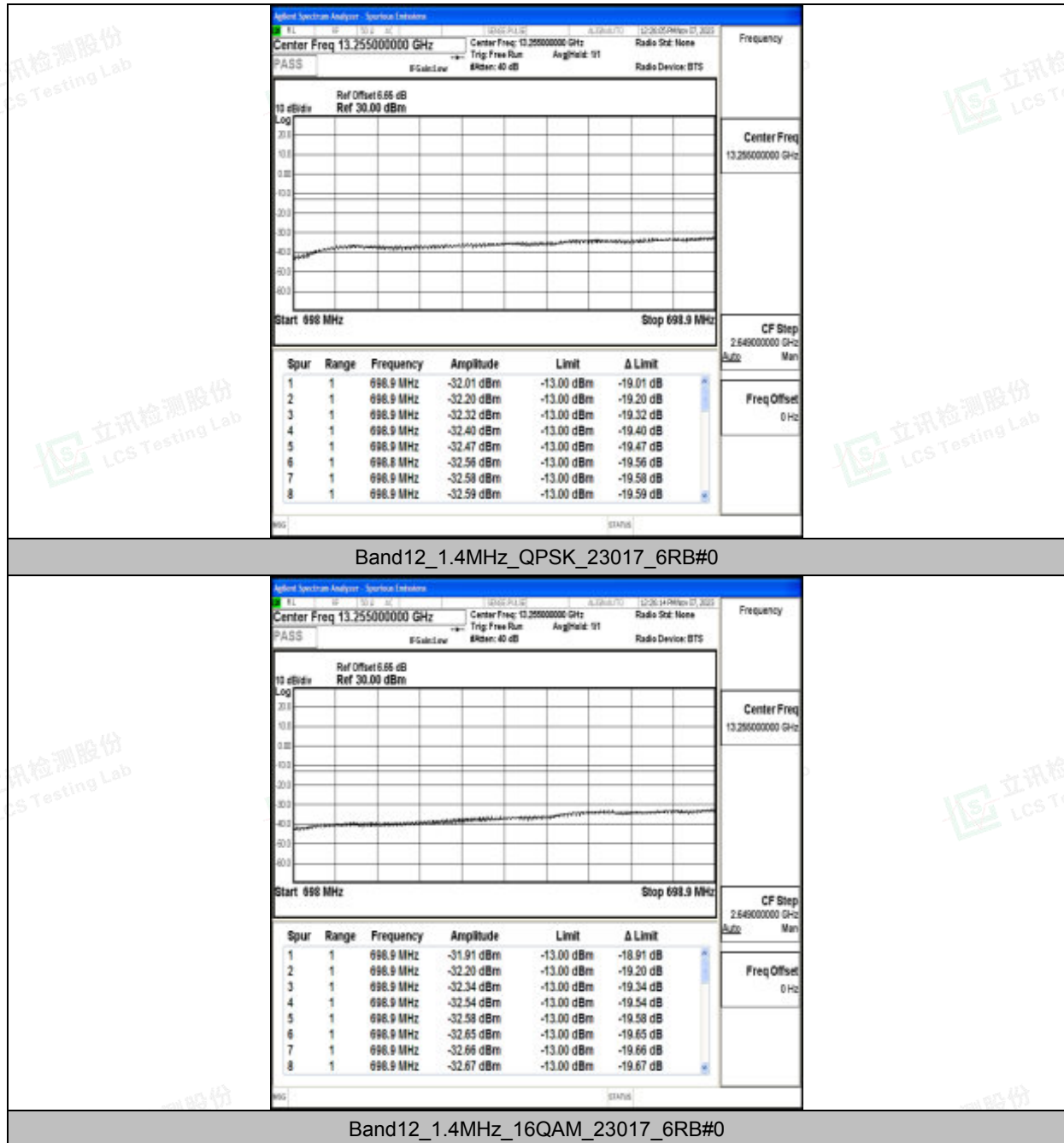


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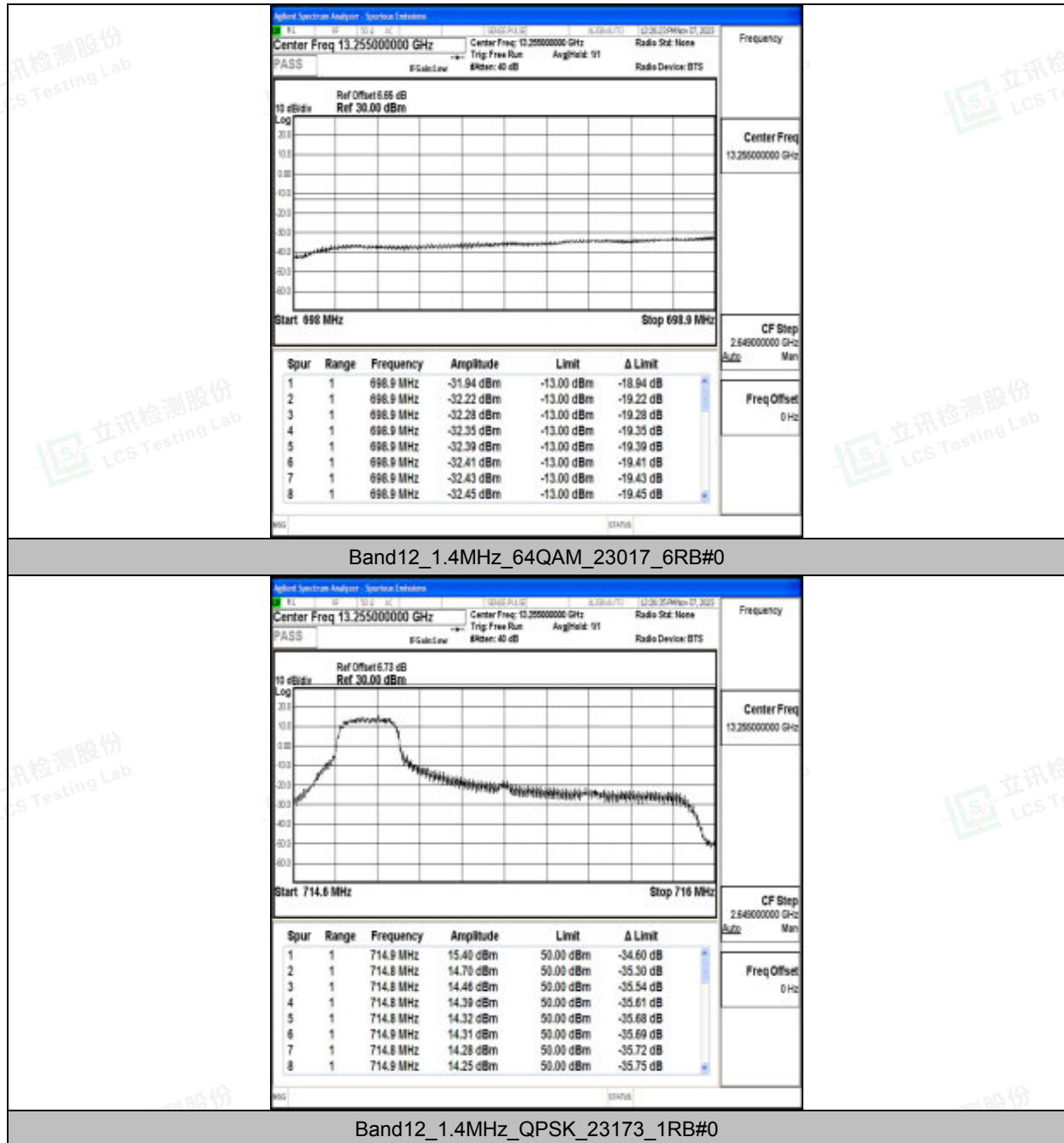


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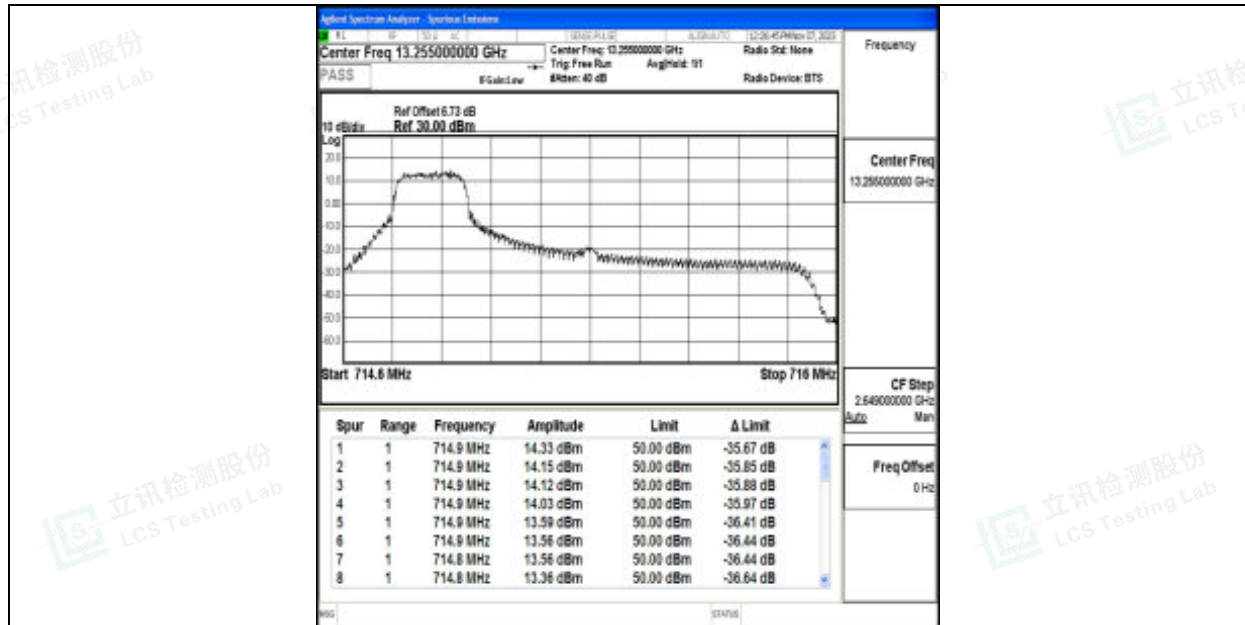


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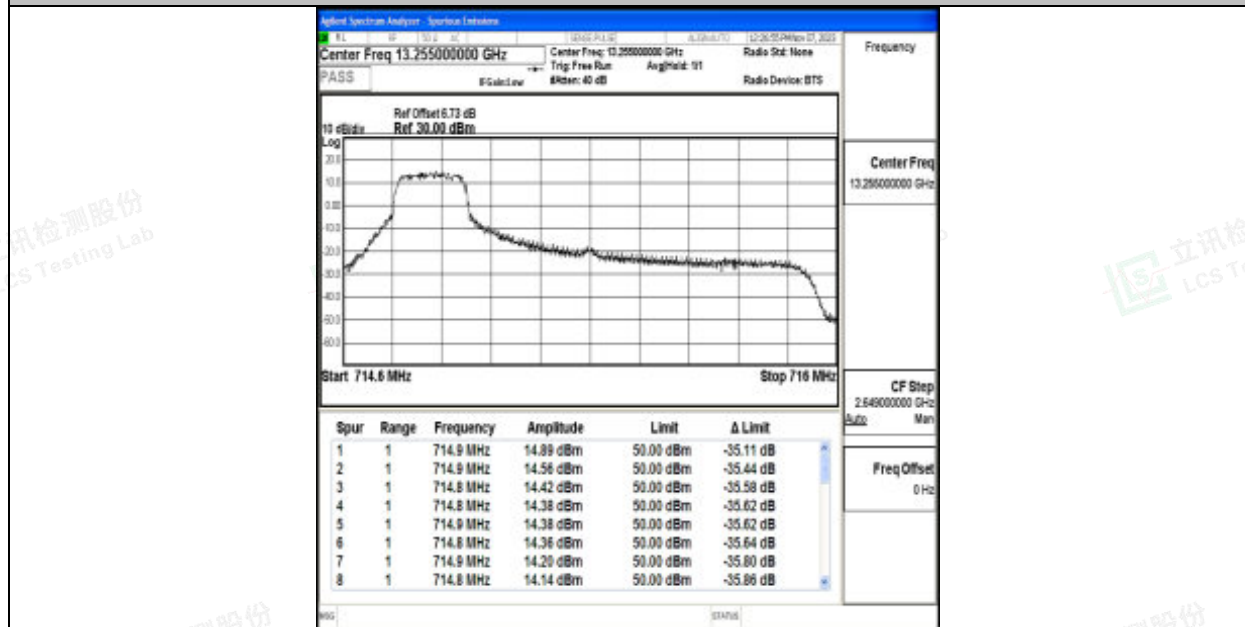
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Band12_1.4MHz_16QAM_23173_1RB#0



Band12_1.4MHz_64QAM_23173_1RB#0

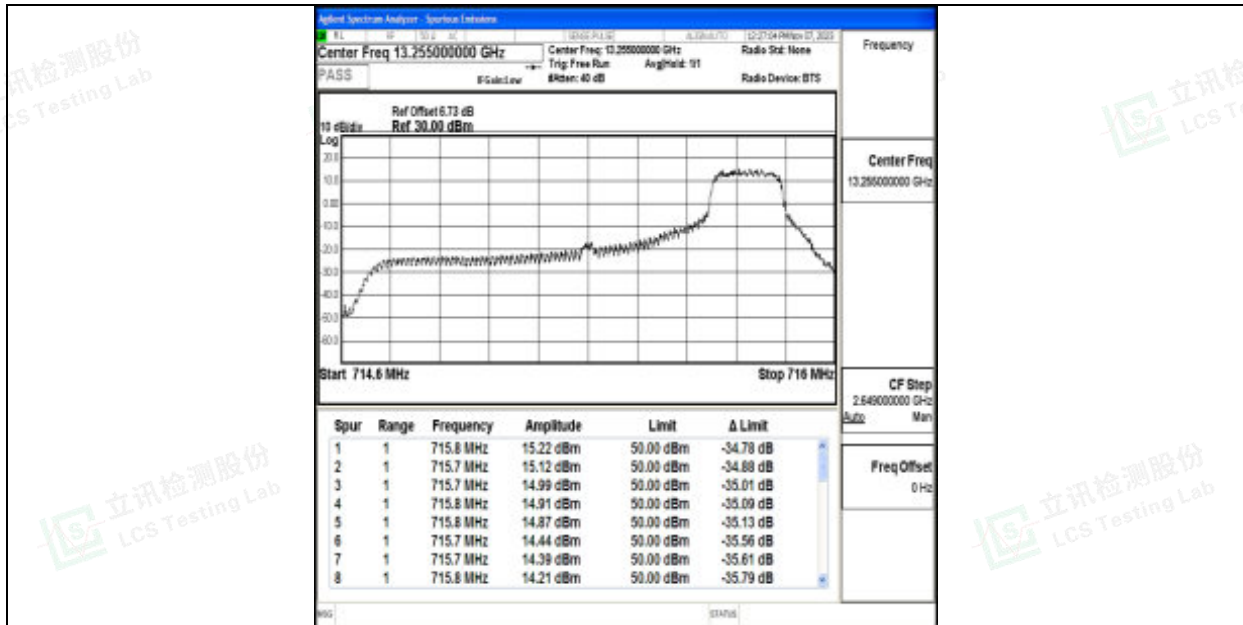


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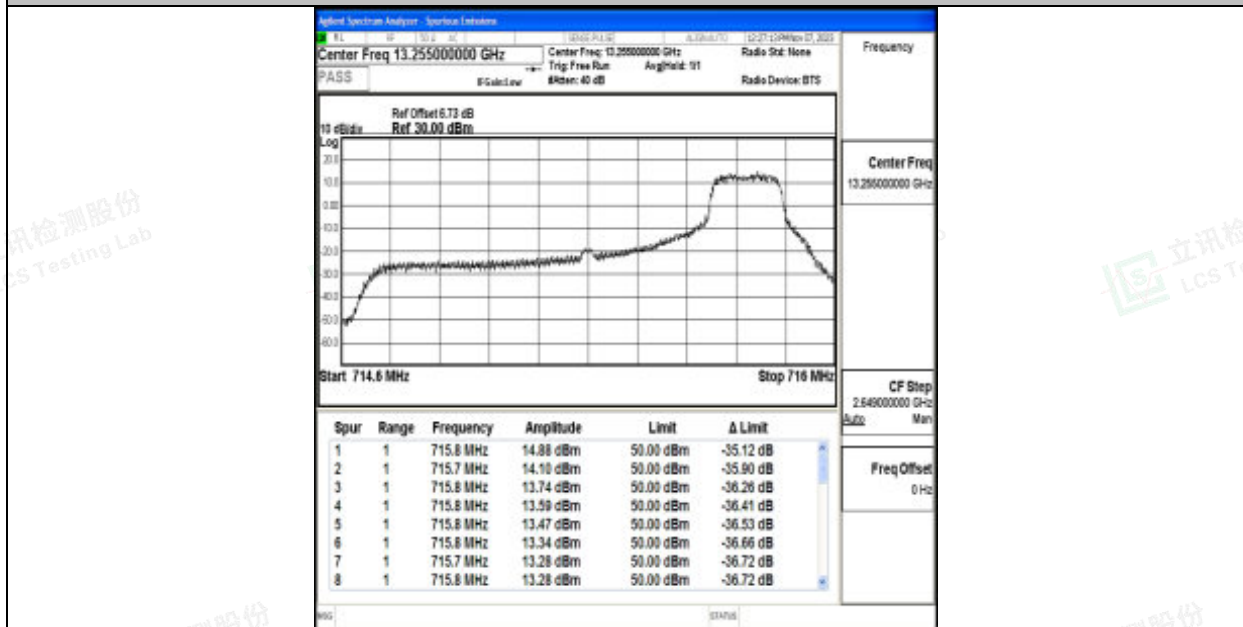
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Band12_1.4MHz_QPSK_23173_1RB#5



Band12_1.4MHz_16QAM_23173_1RB#5

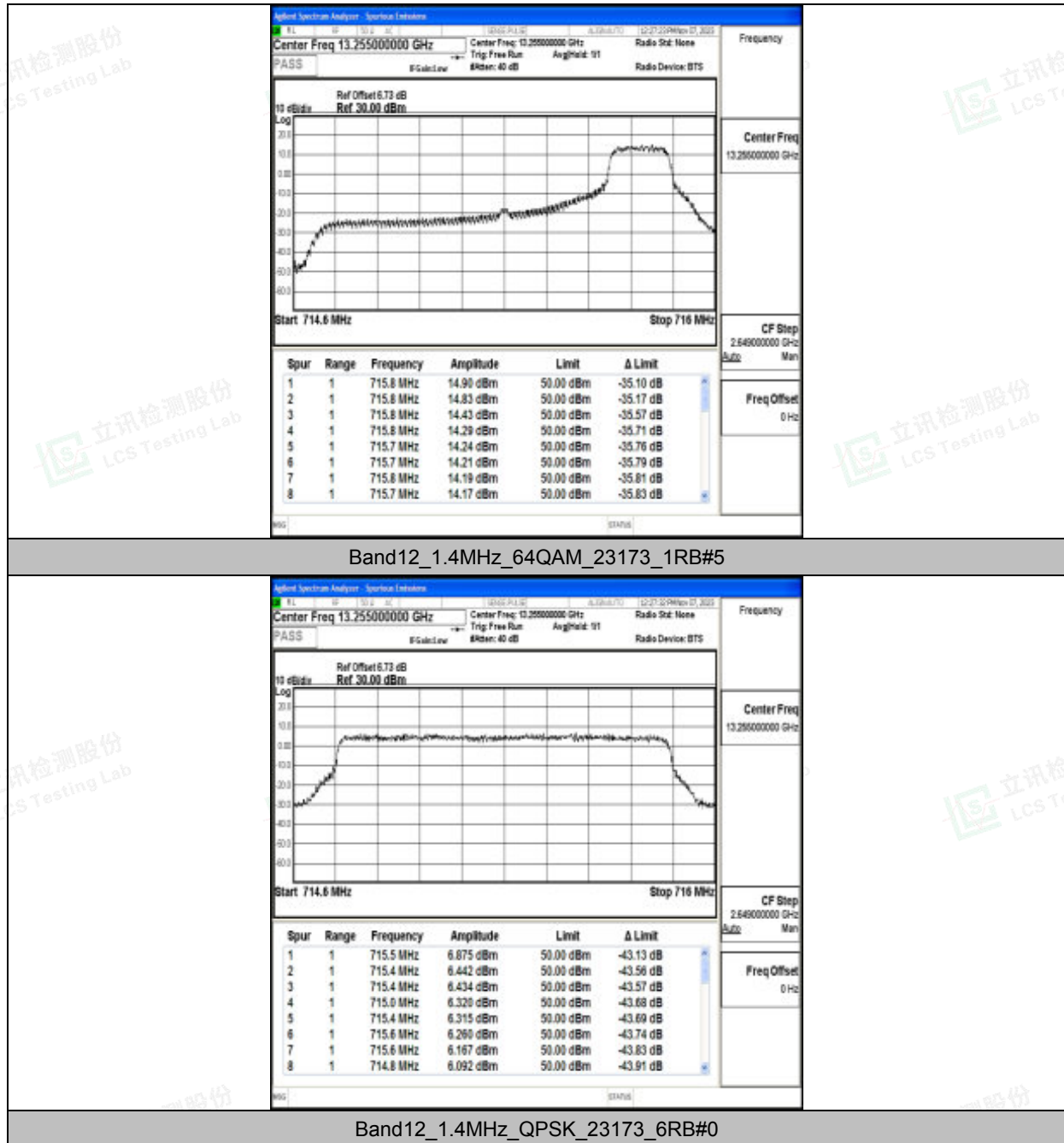


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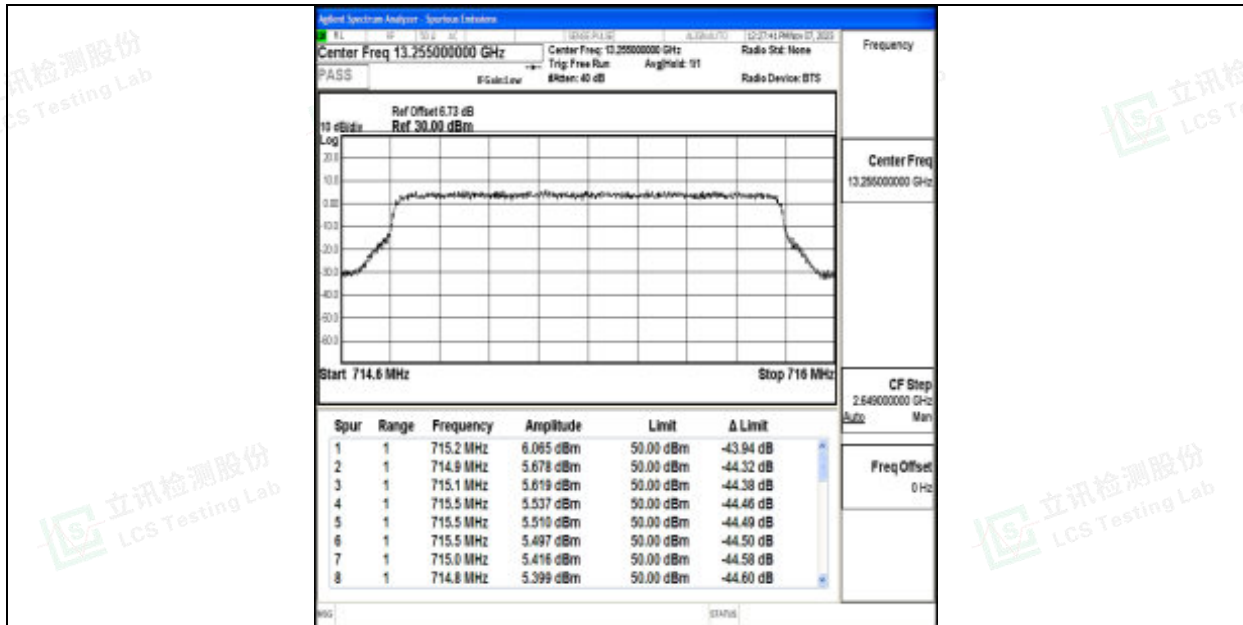


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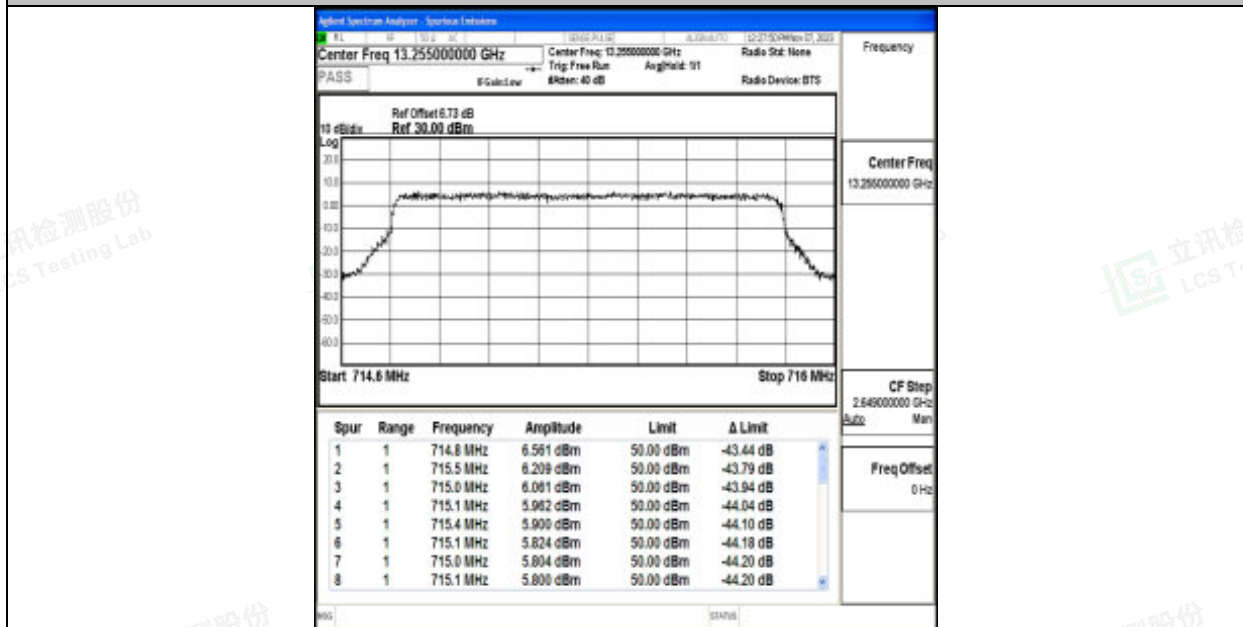
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Band12_1.4MHz_16QAM_23173_6RB#0



Band12_1.4MHz_64QAM_23173_6RB#0

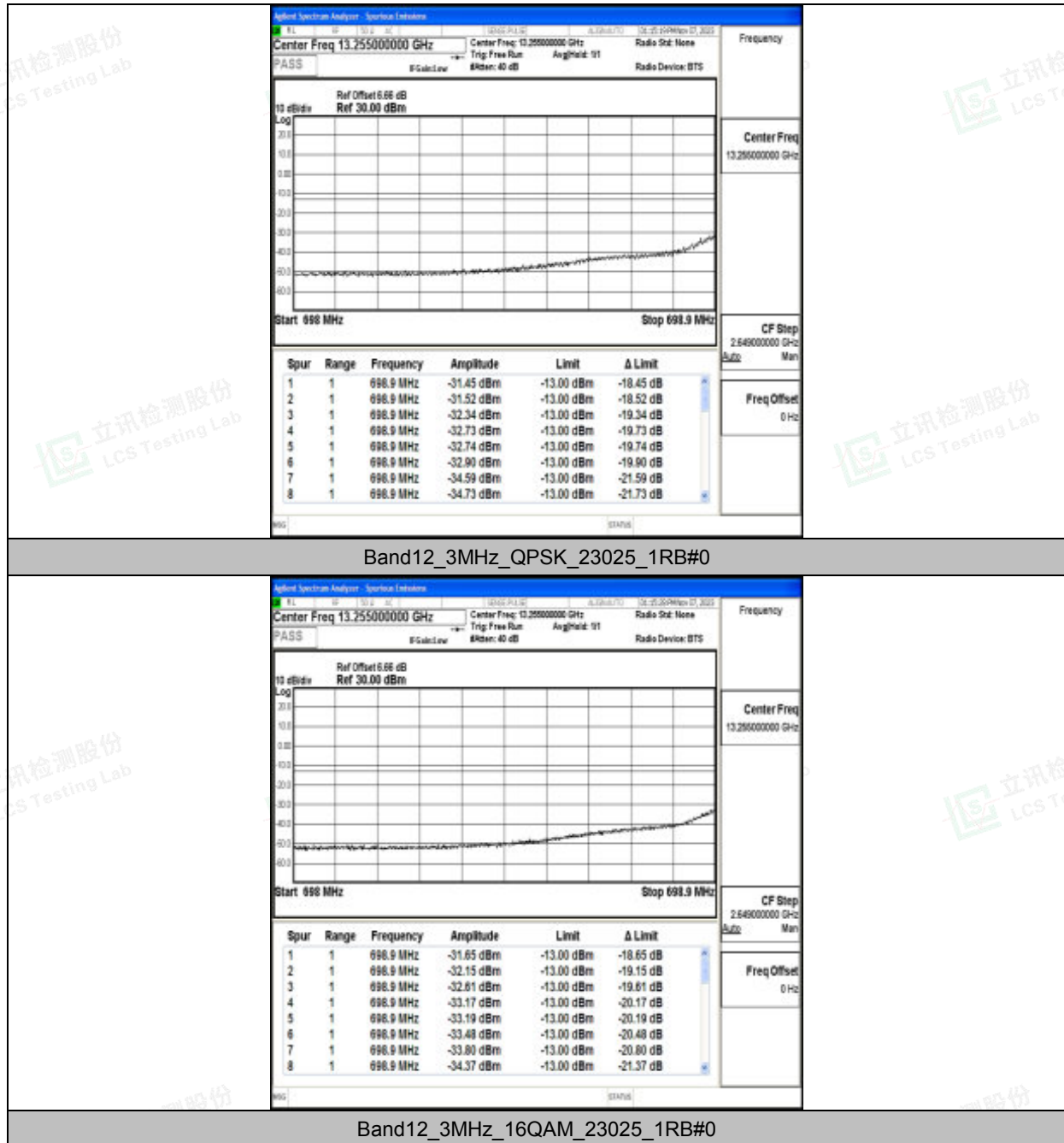


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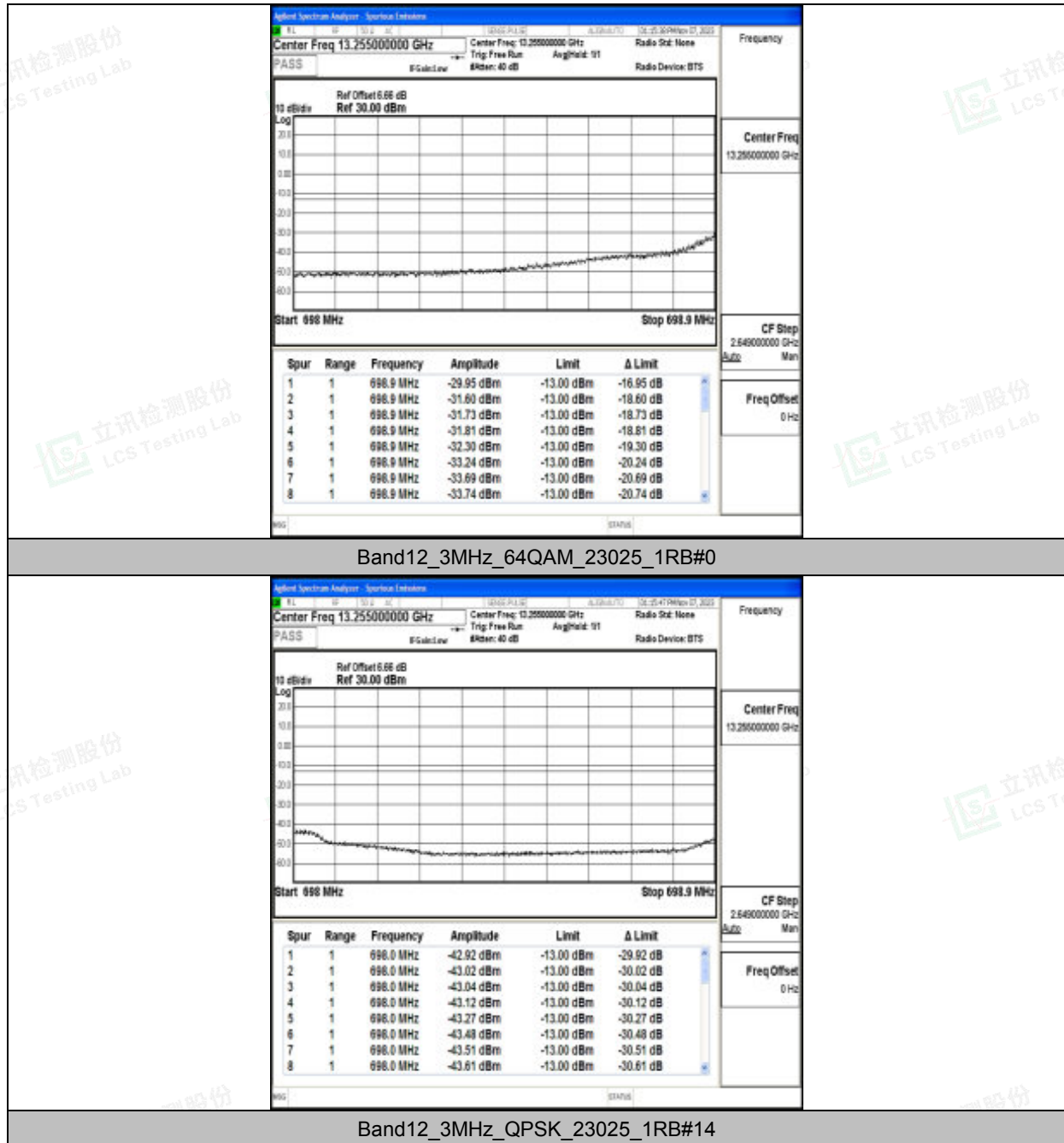


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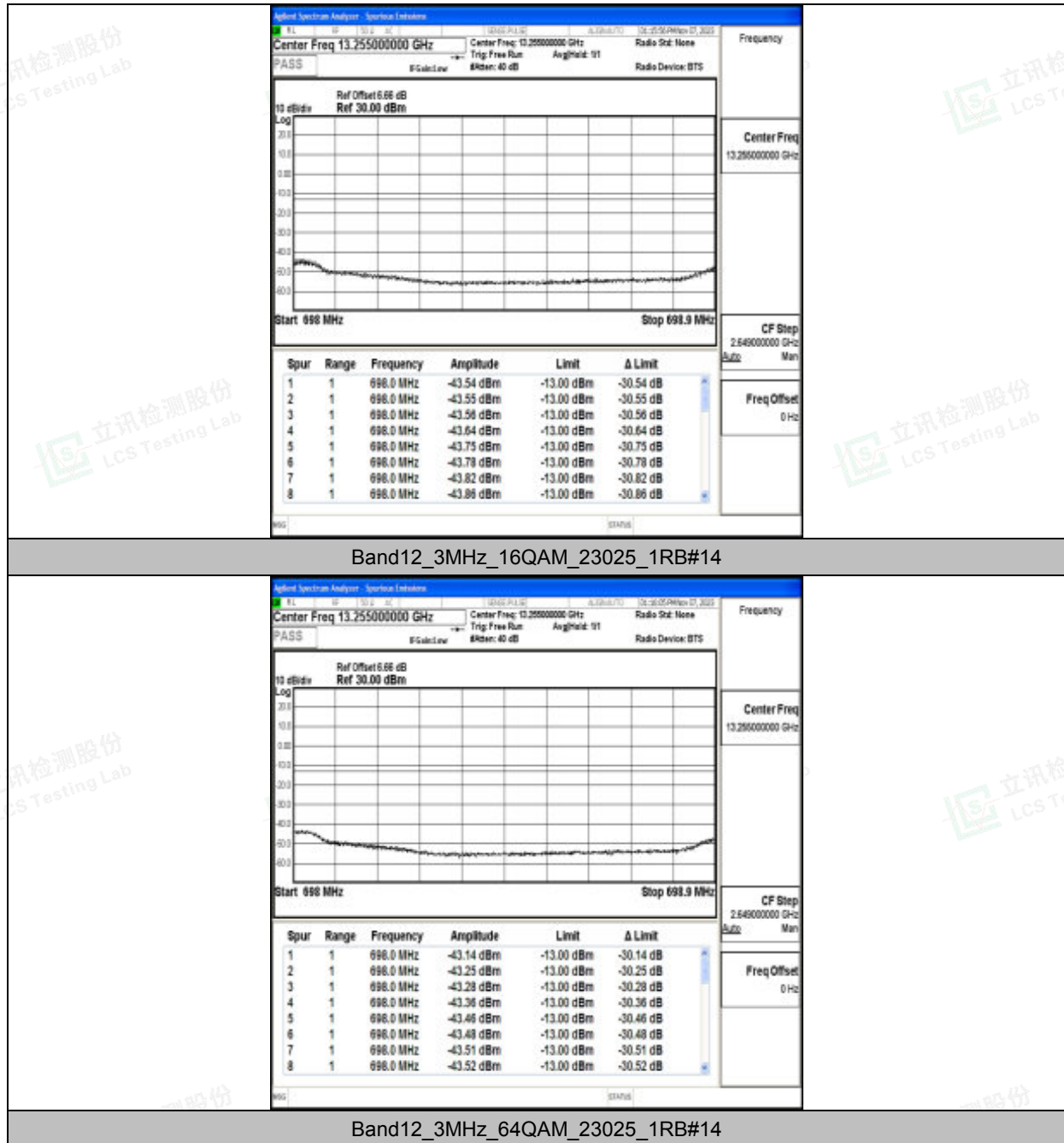


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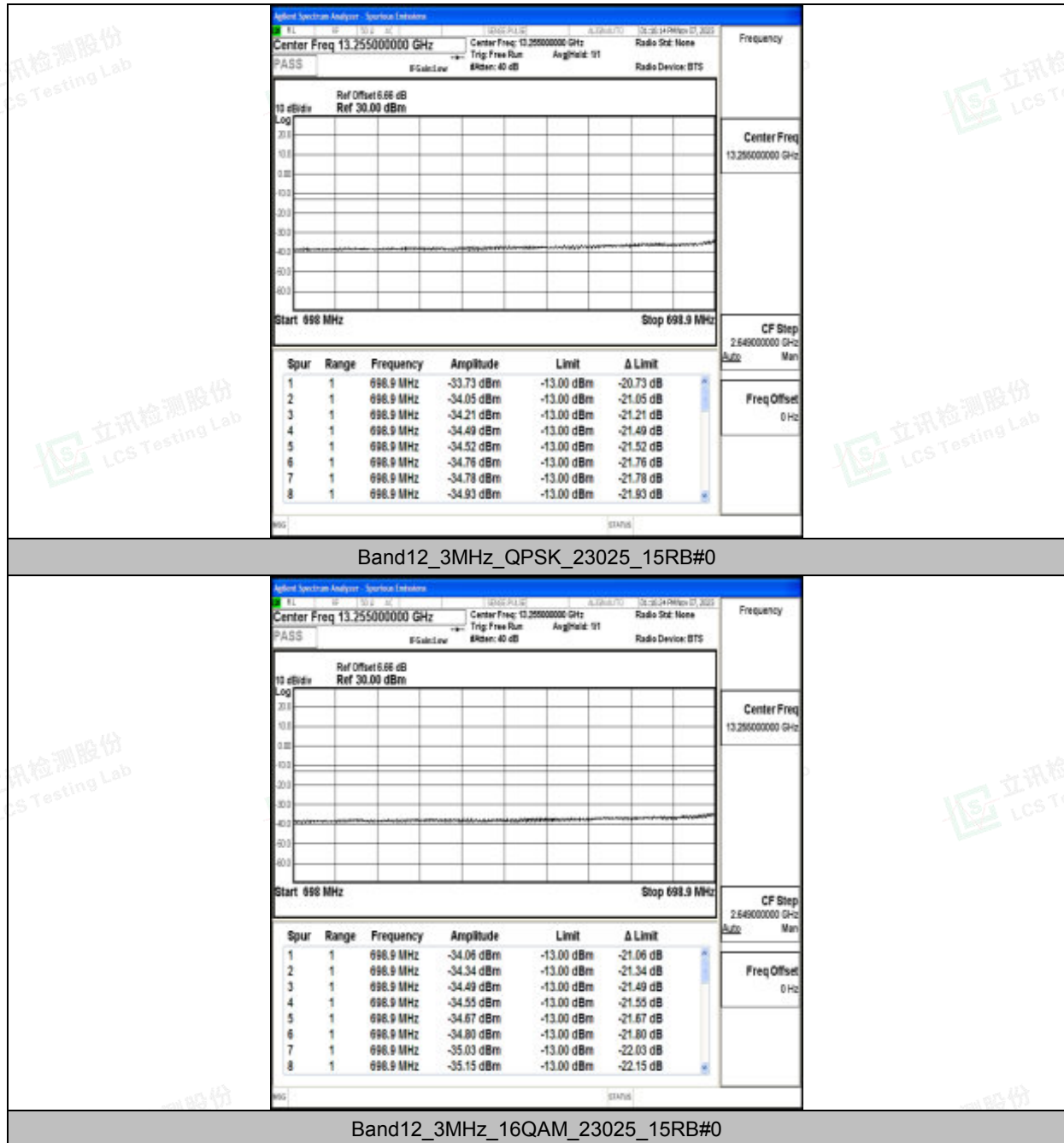


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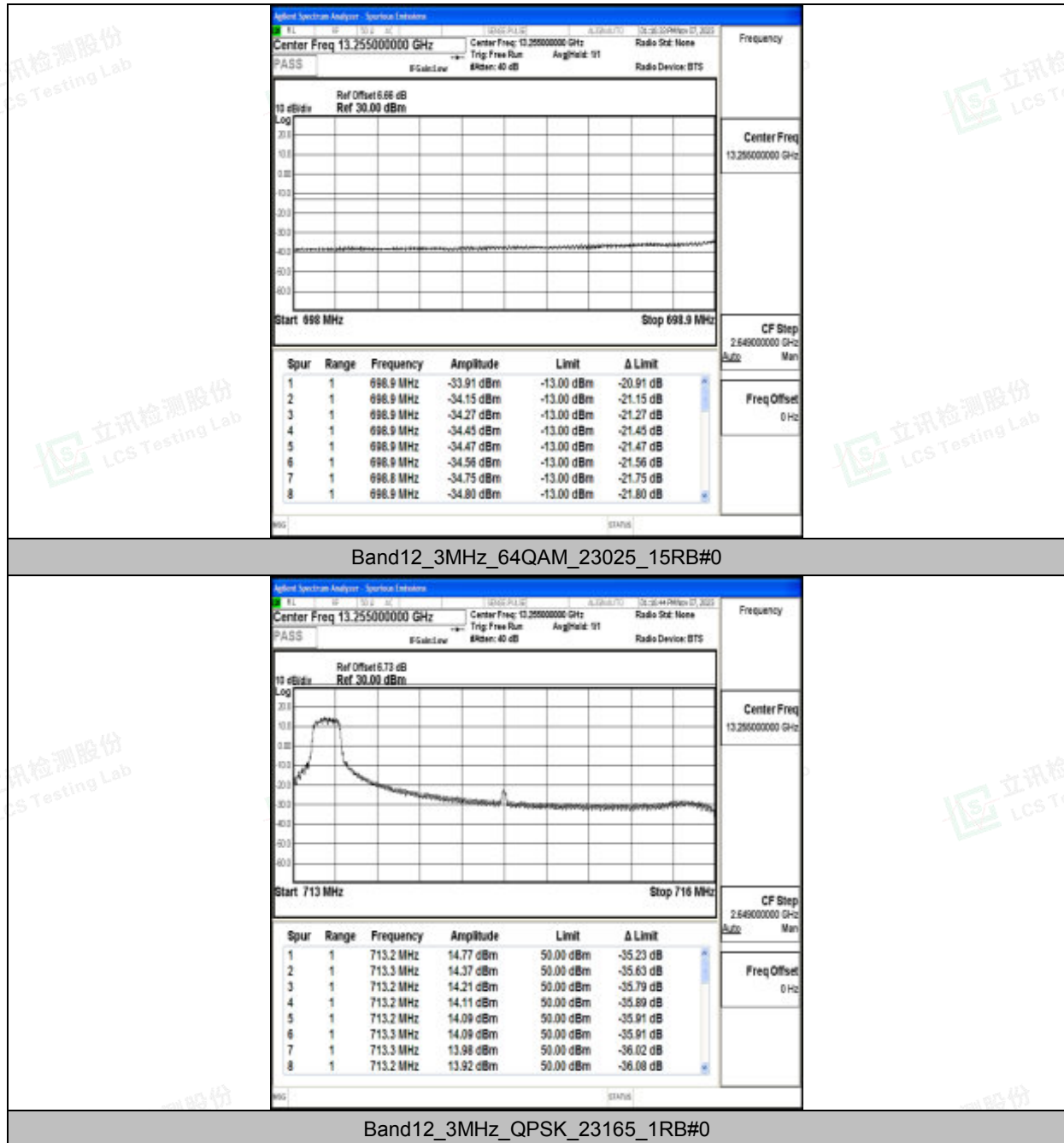


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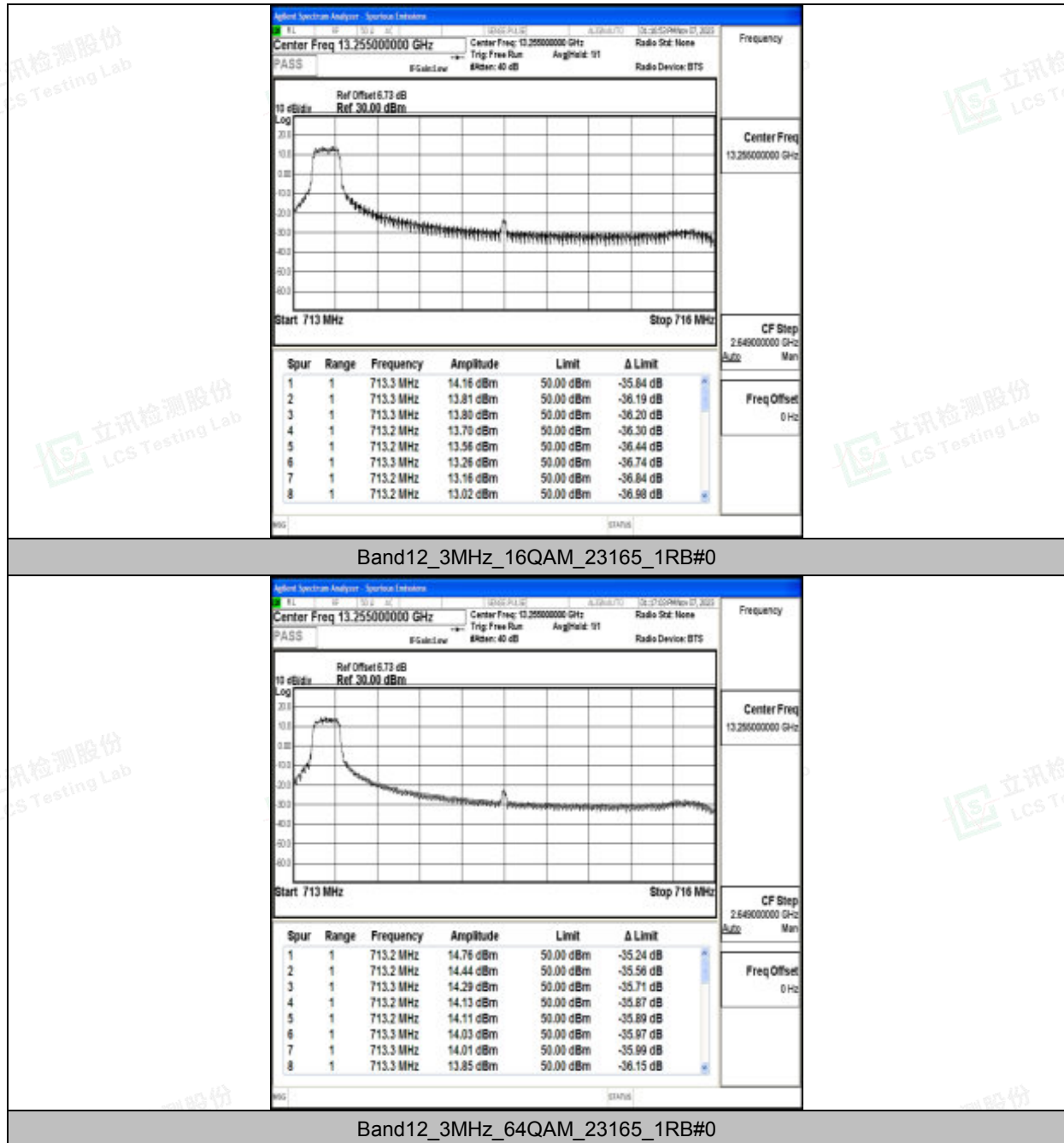


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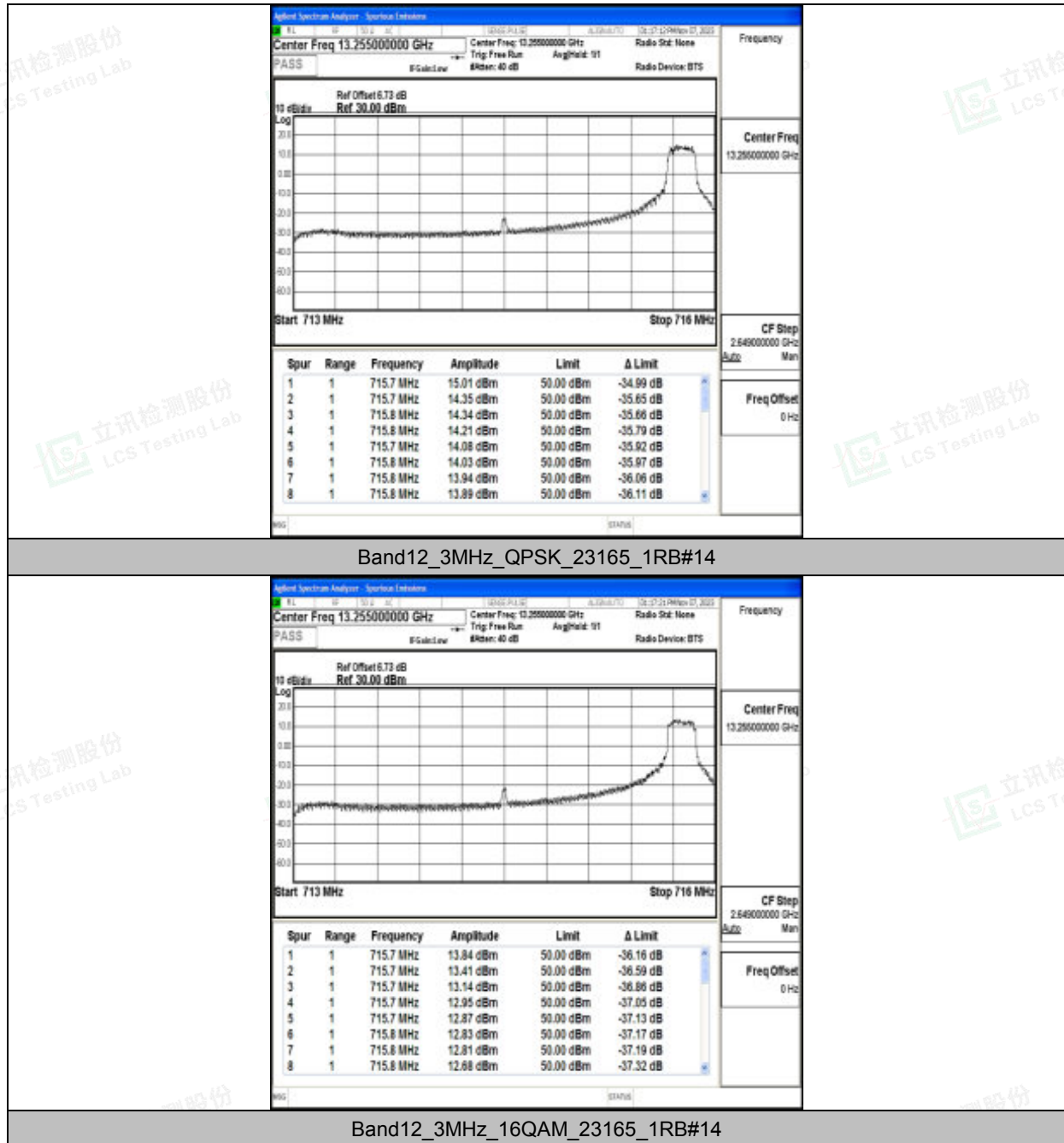


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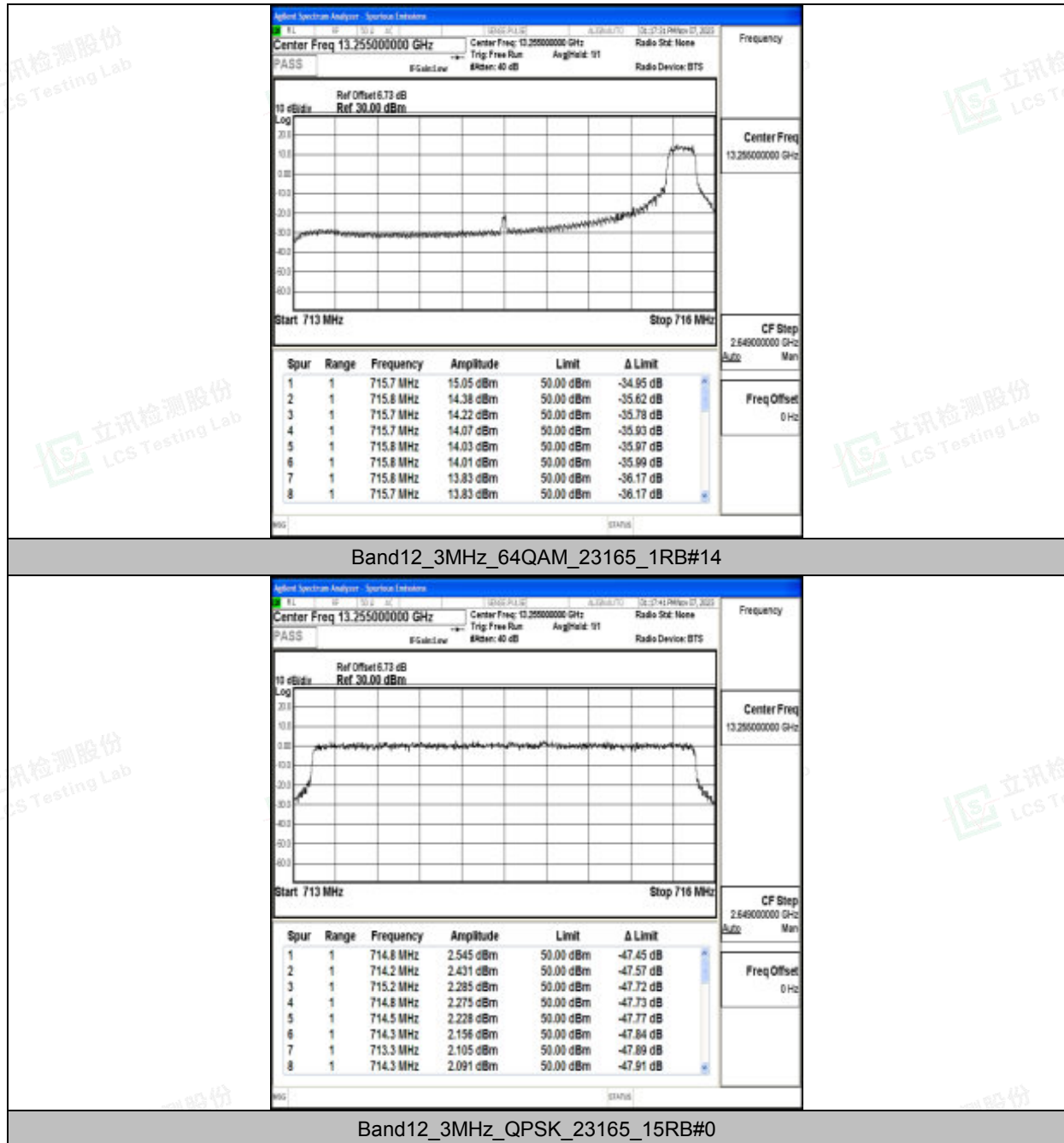


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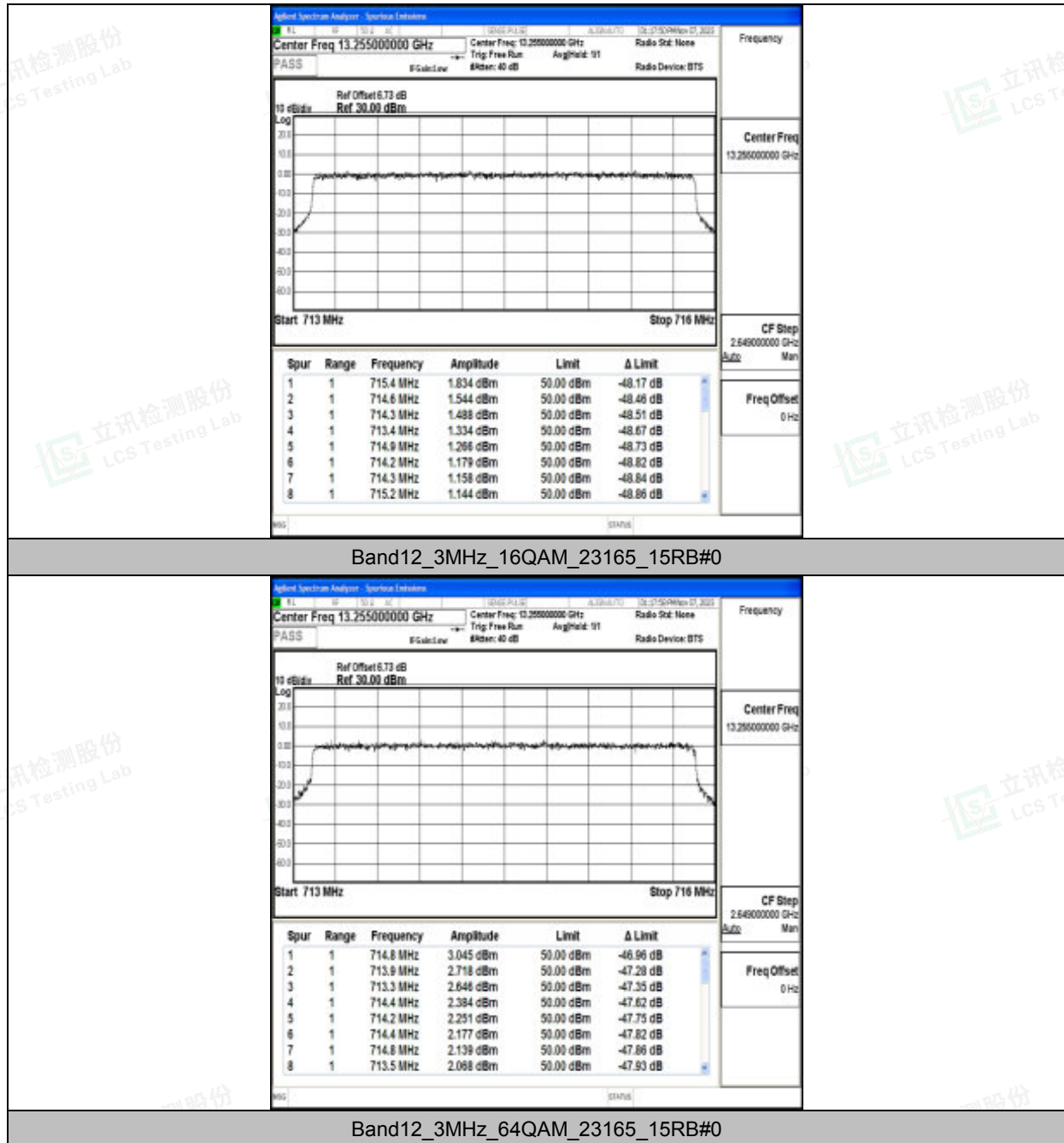


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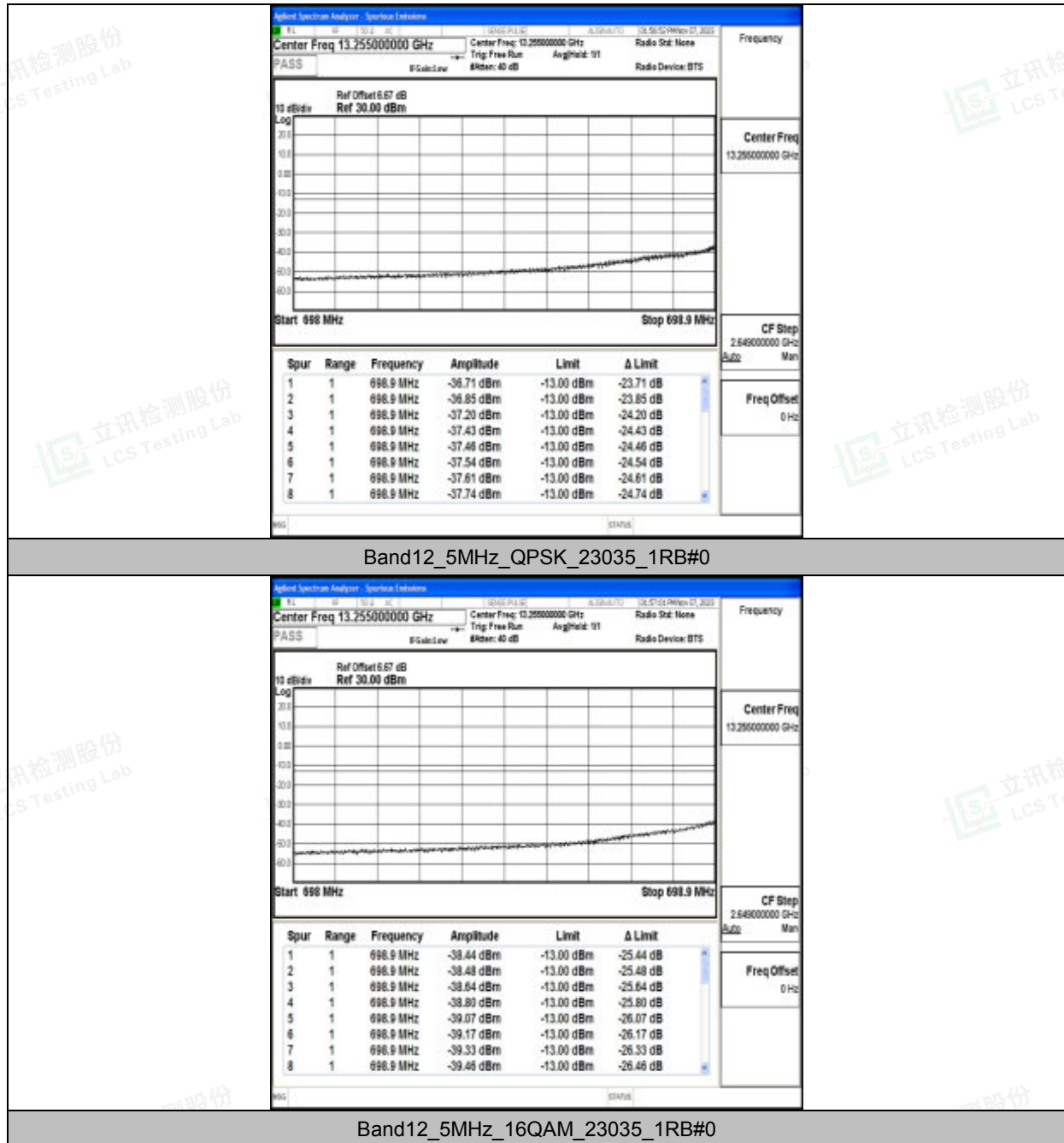


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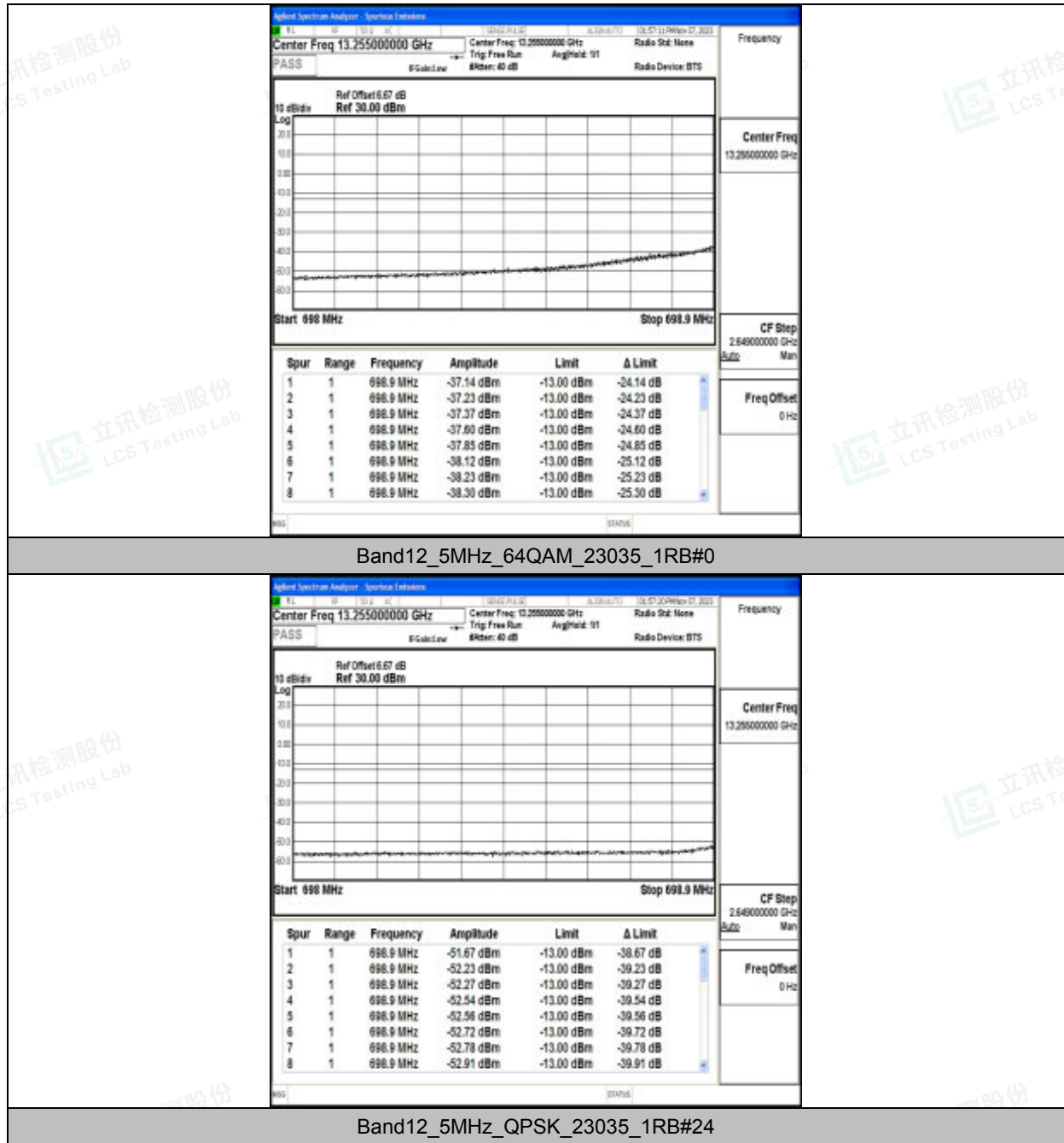


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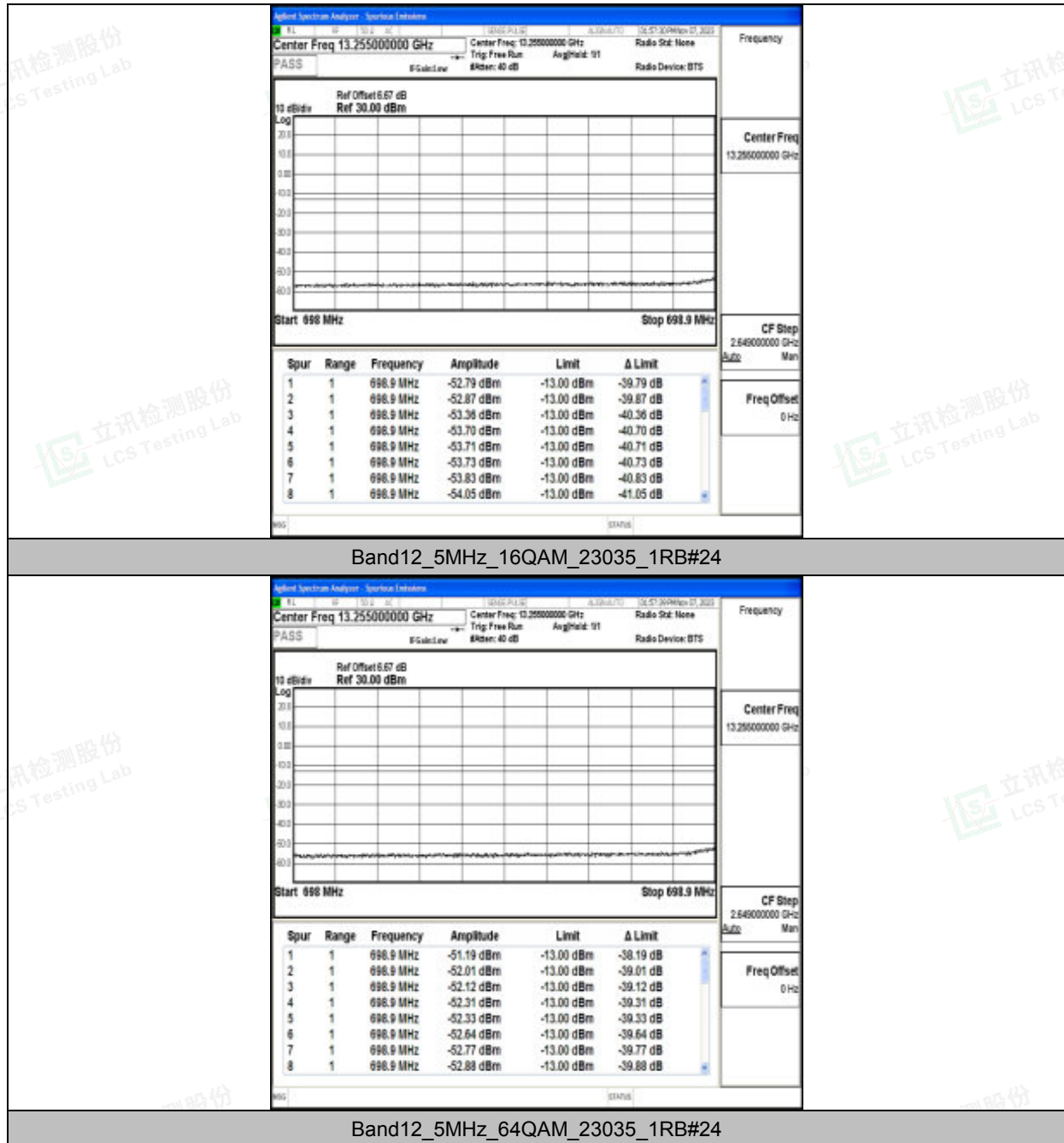


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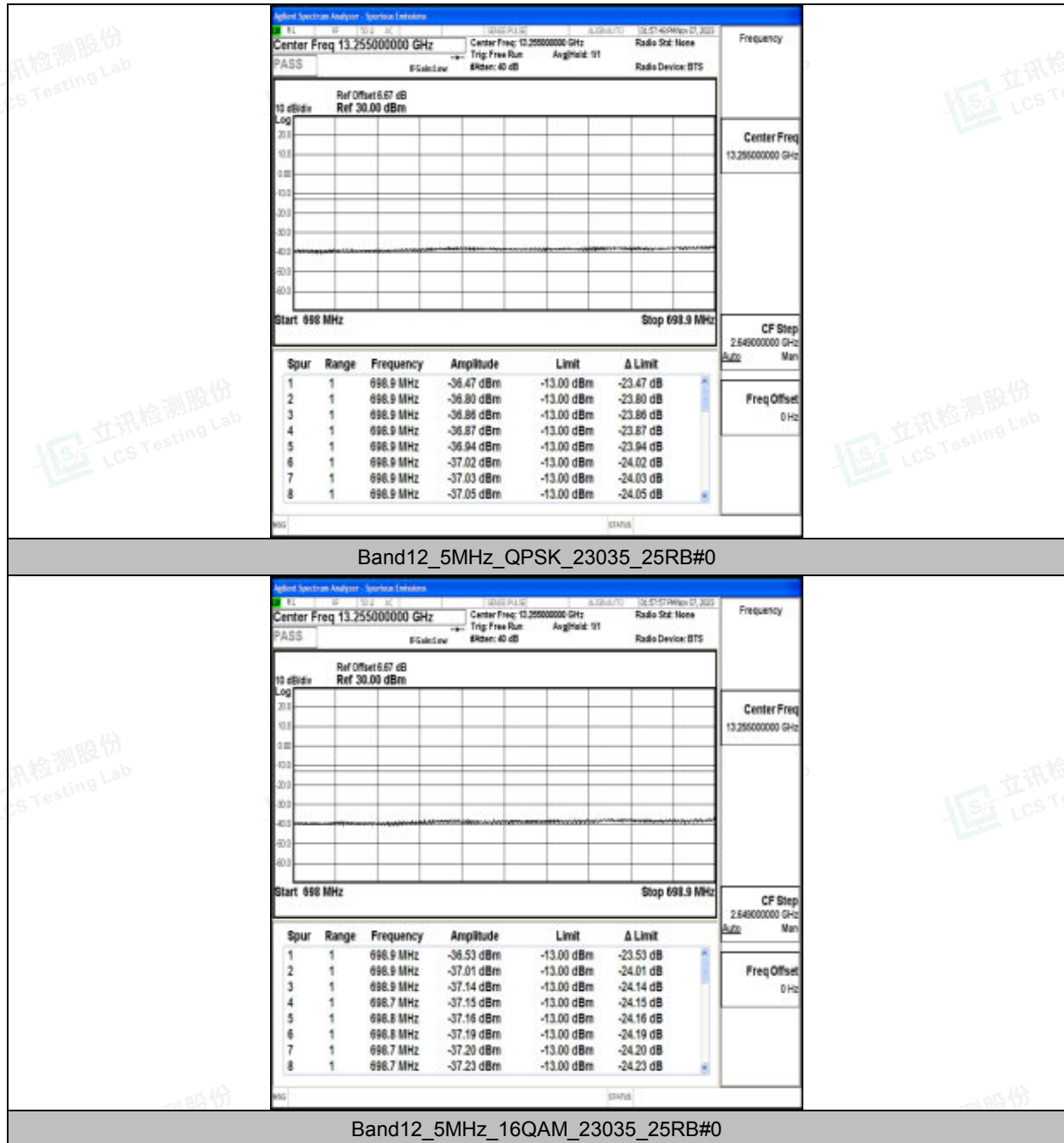


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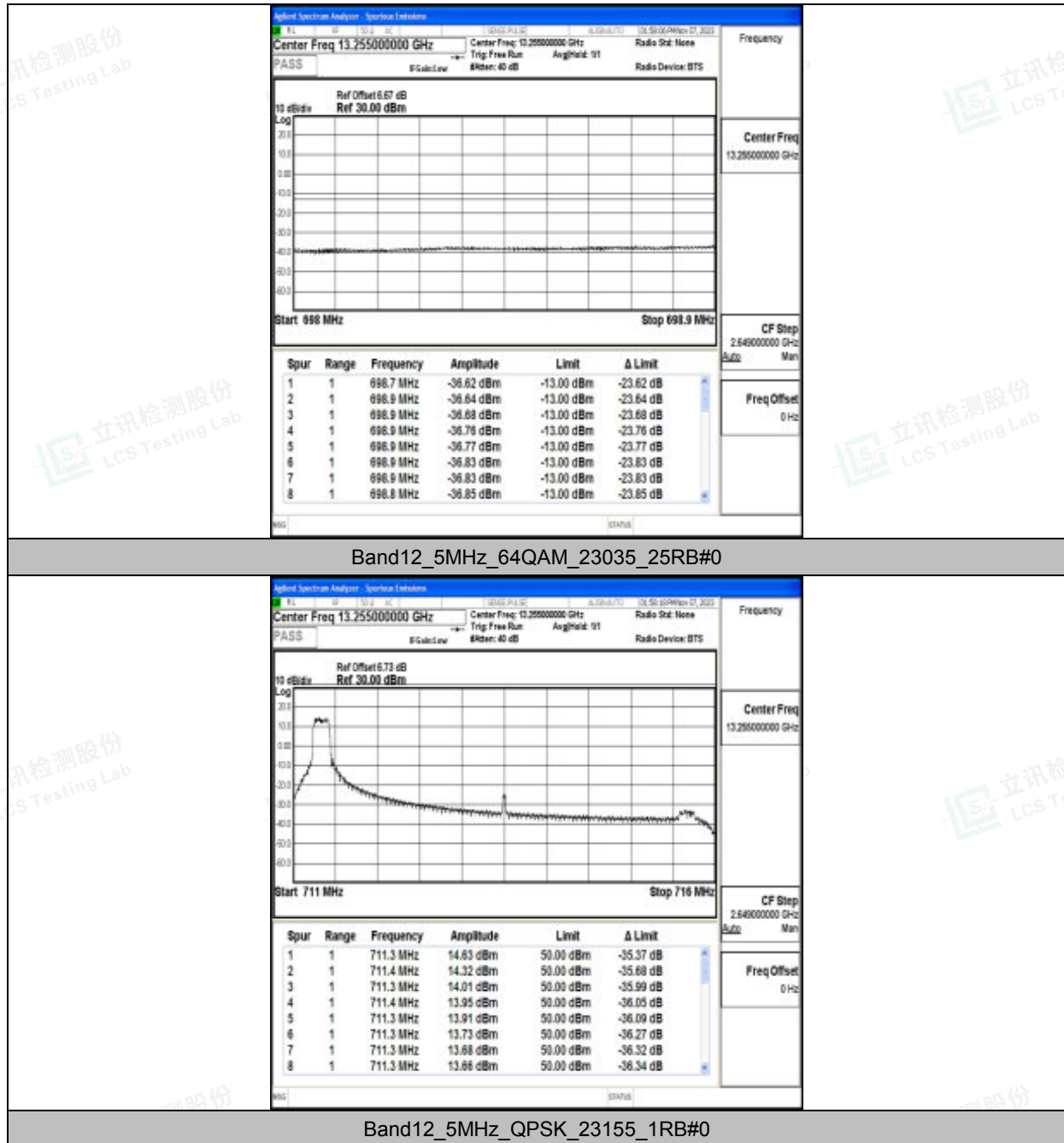


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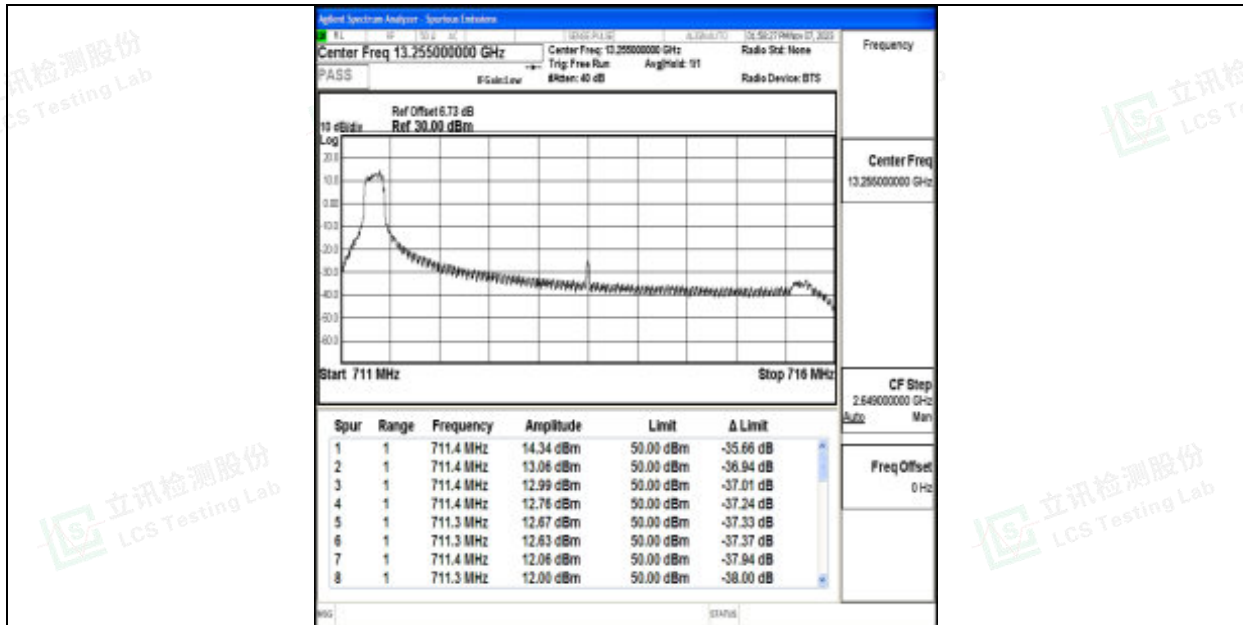


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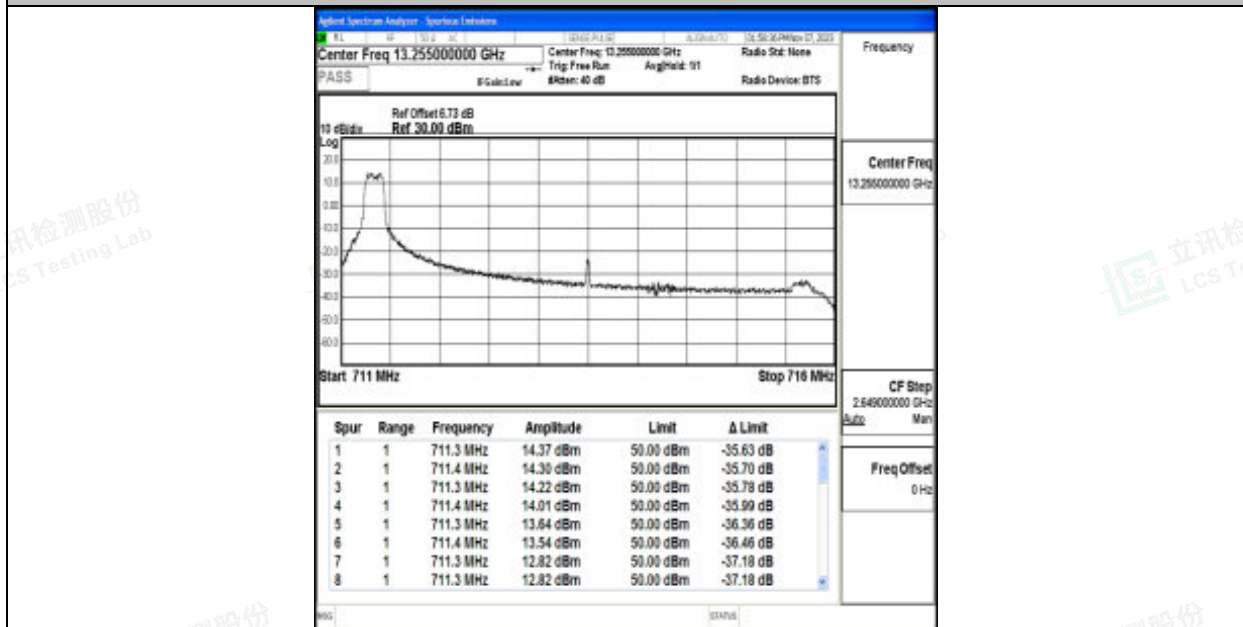
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Band12_5MHz_16QAM_23155_1RB#0



Band12_5MHz_64QAM_23155_1RB#0

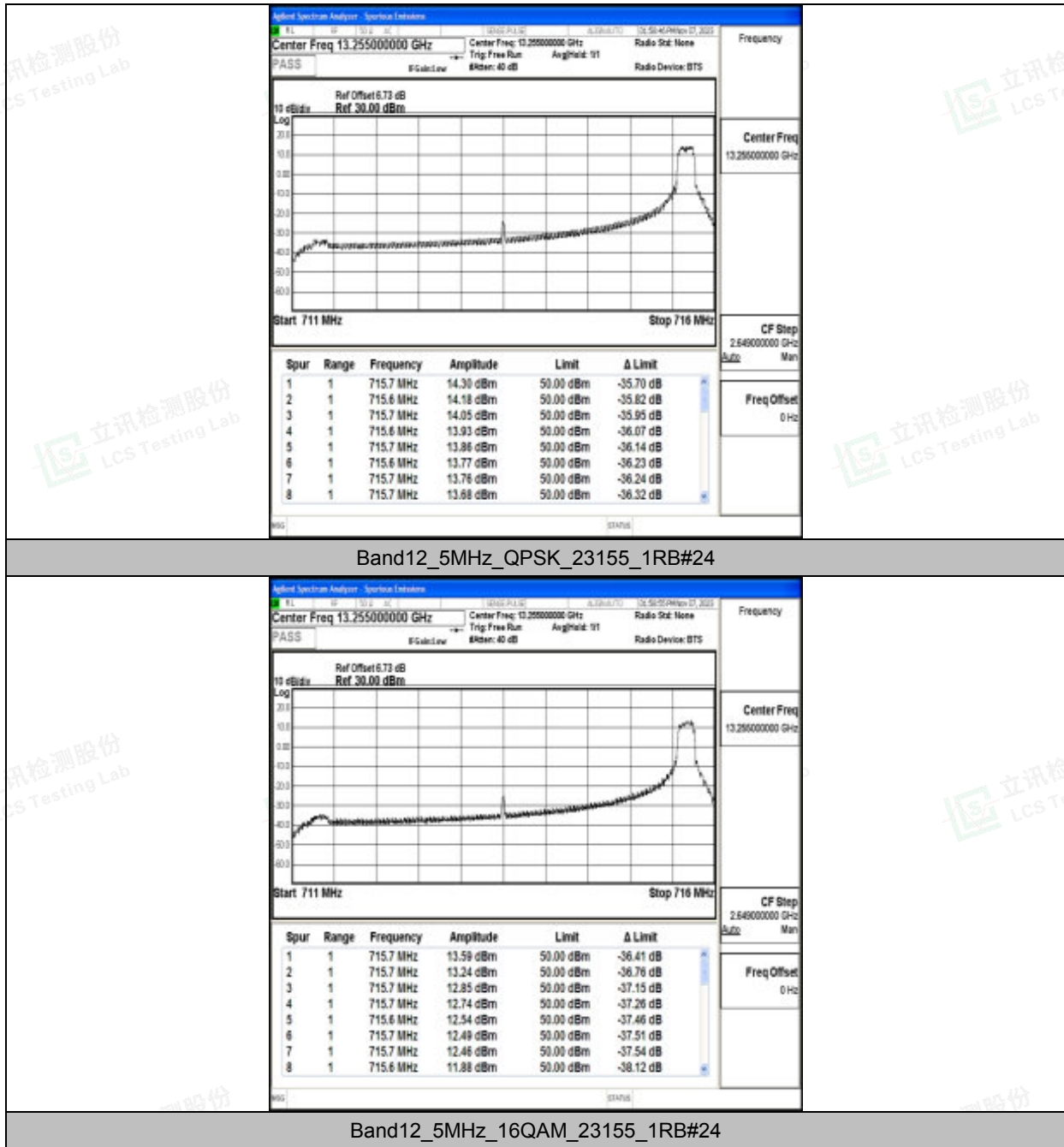


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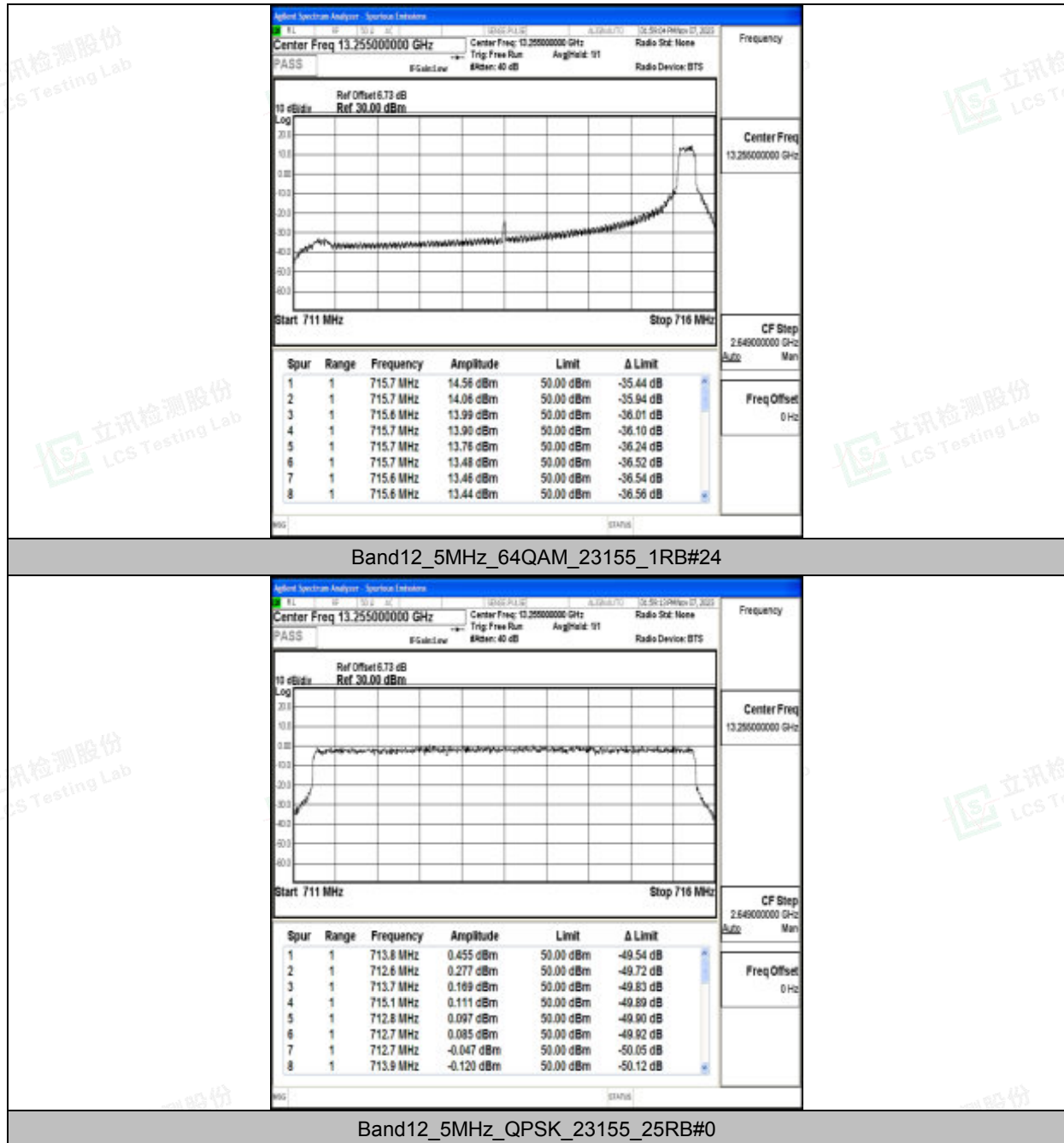


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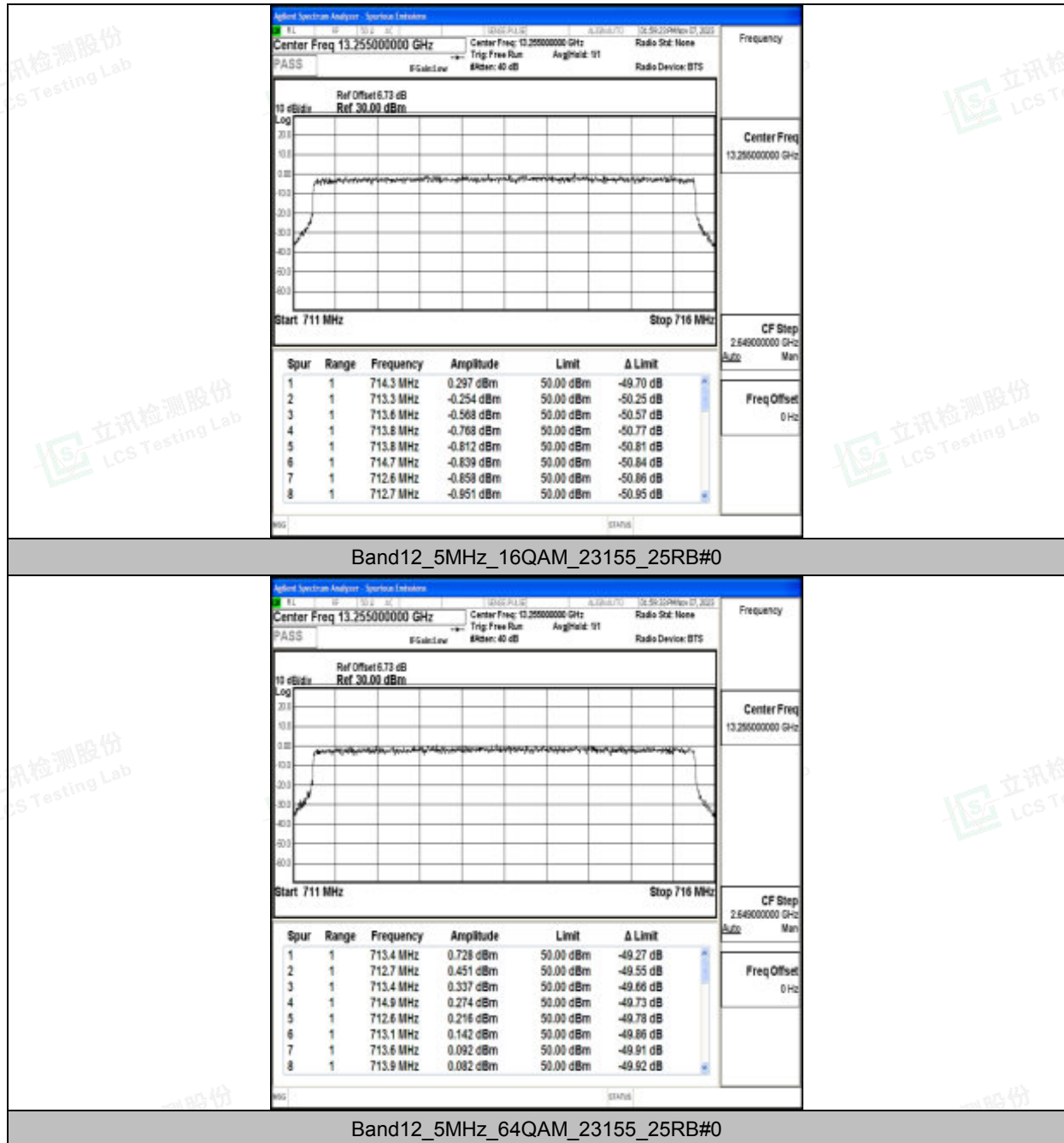


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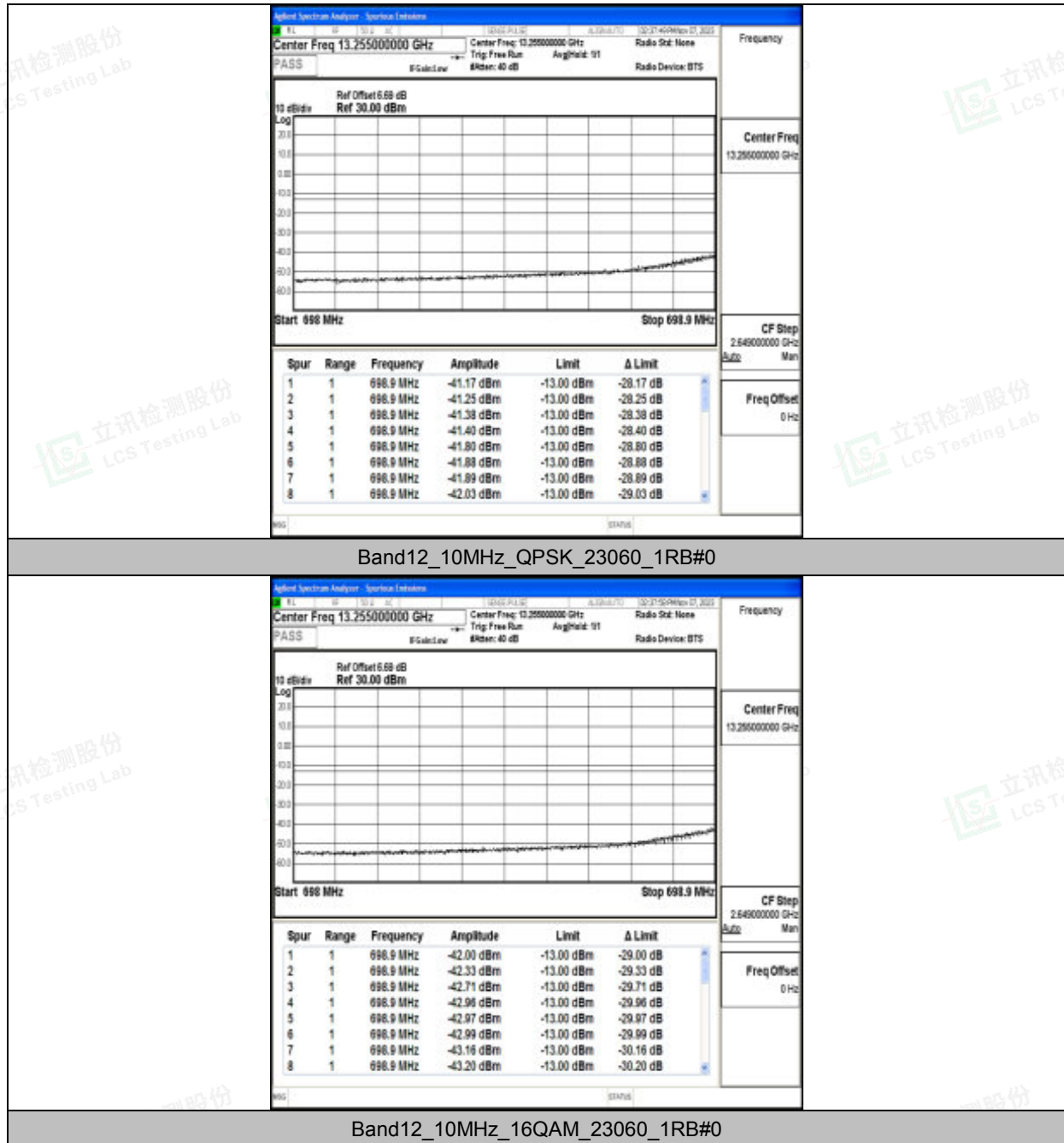


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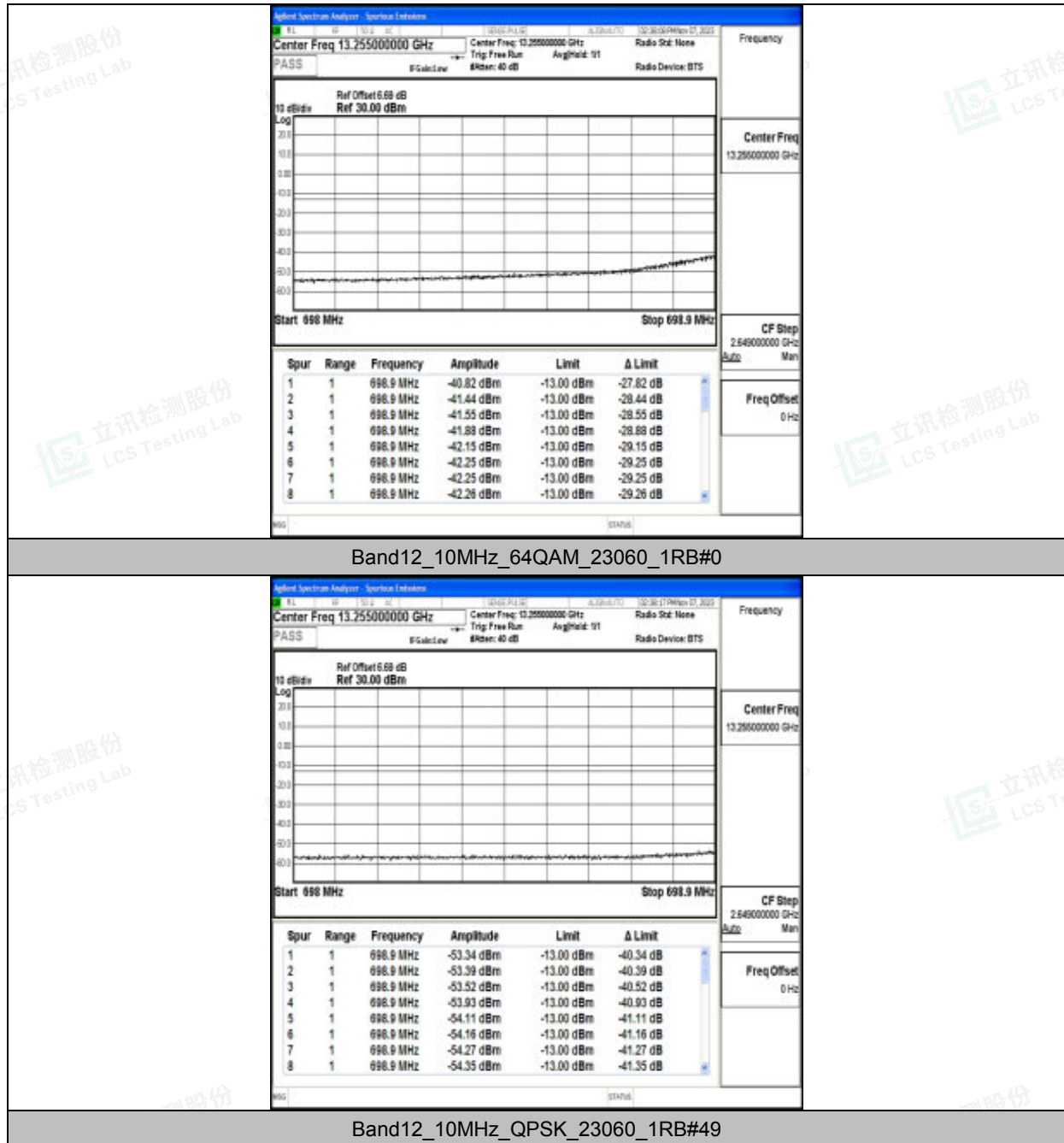


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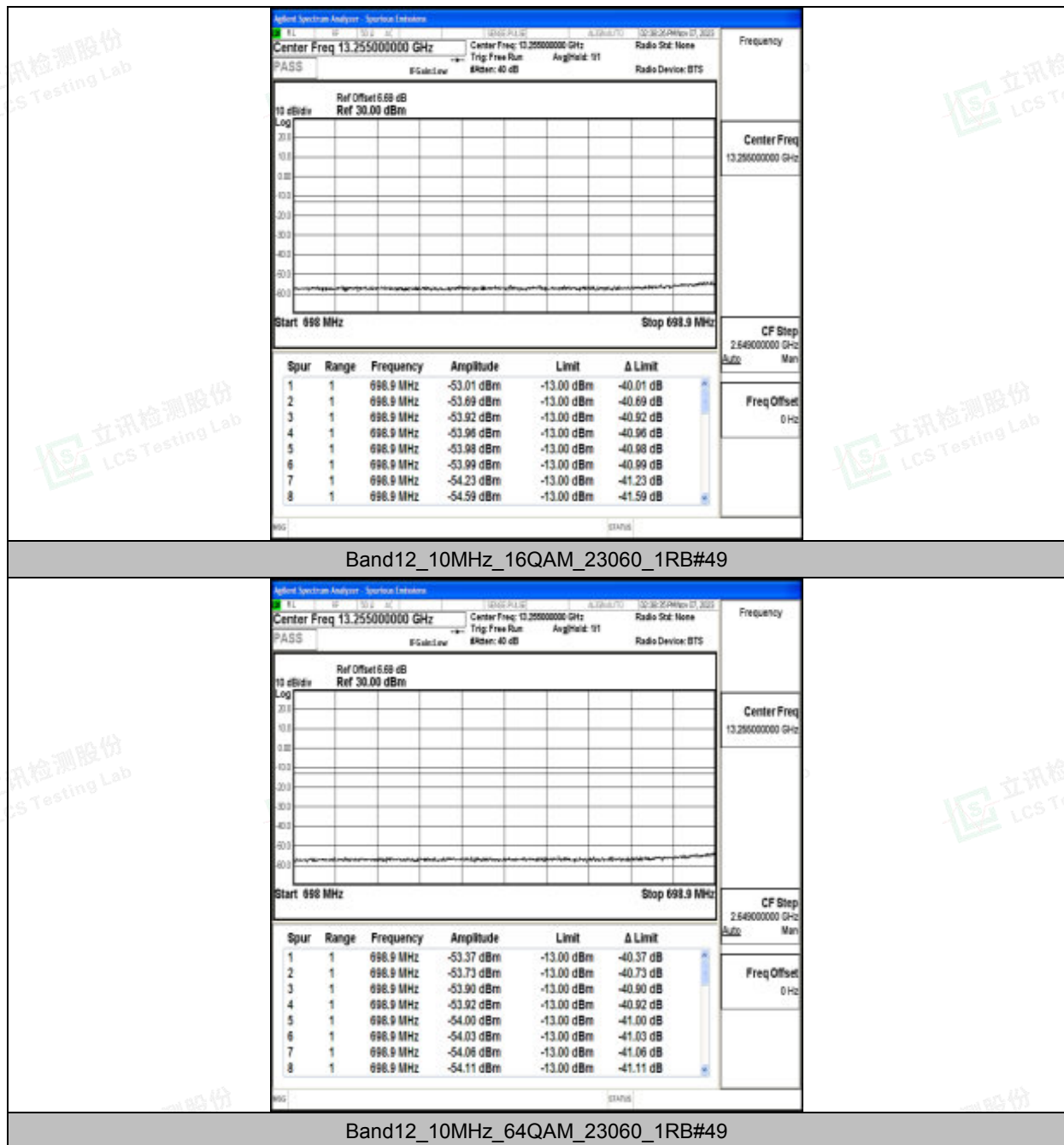


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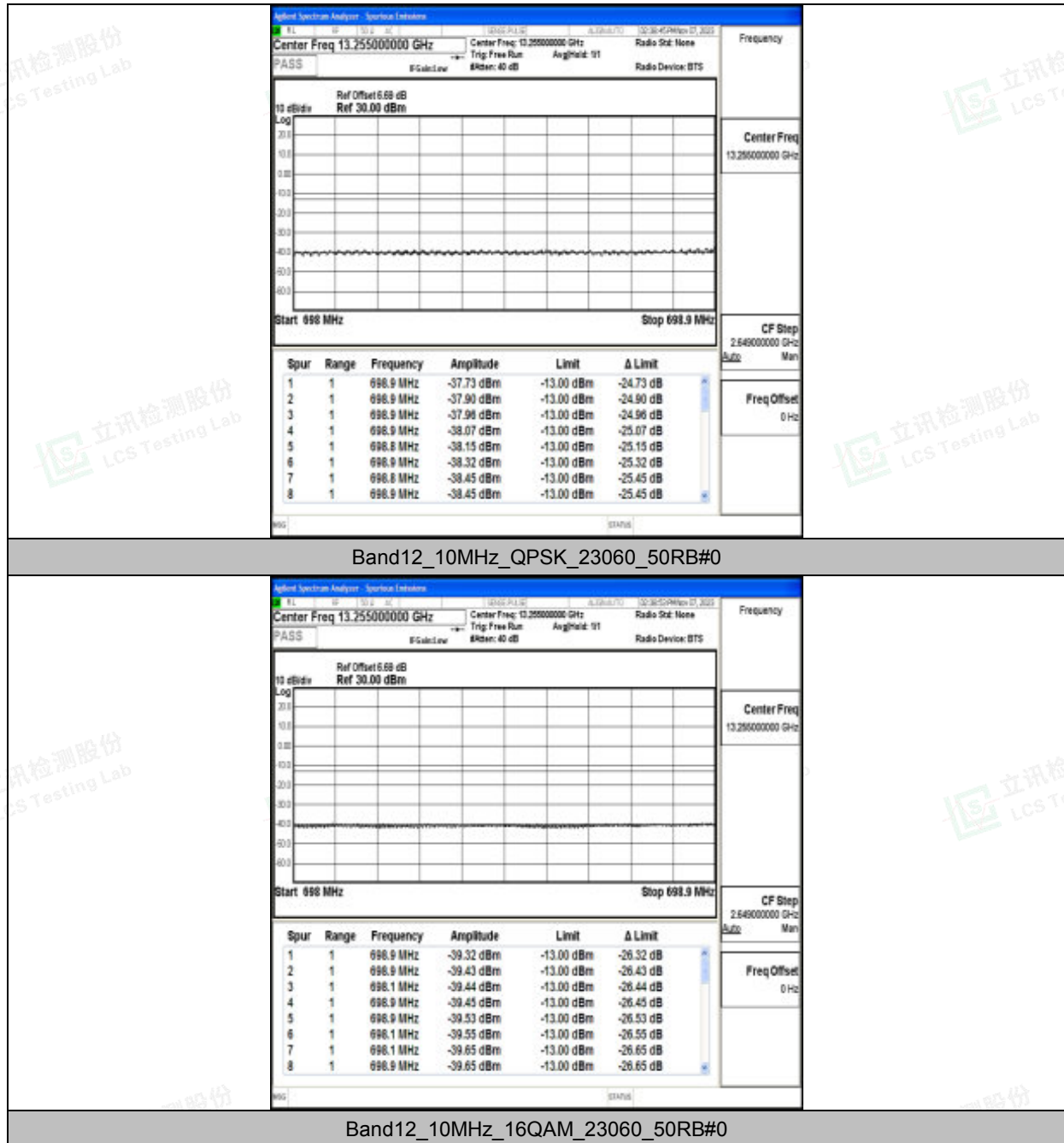


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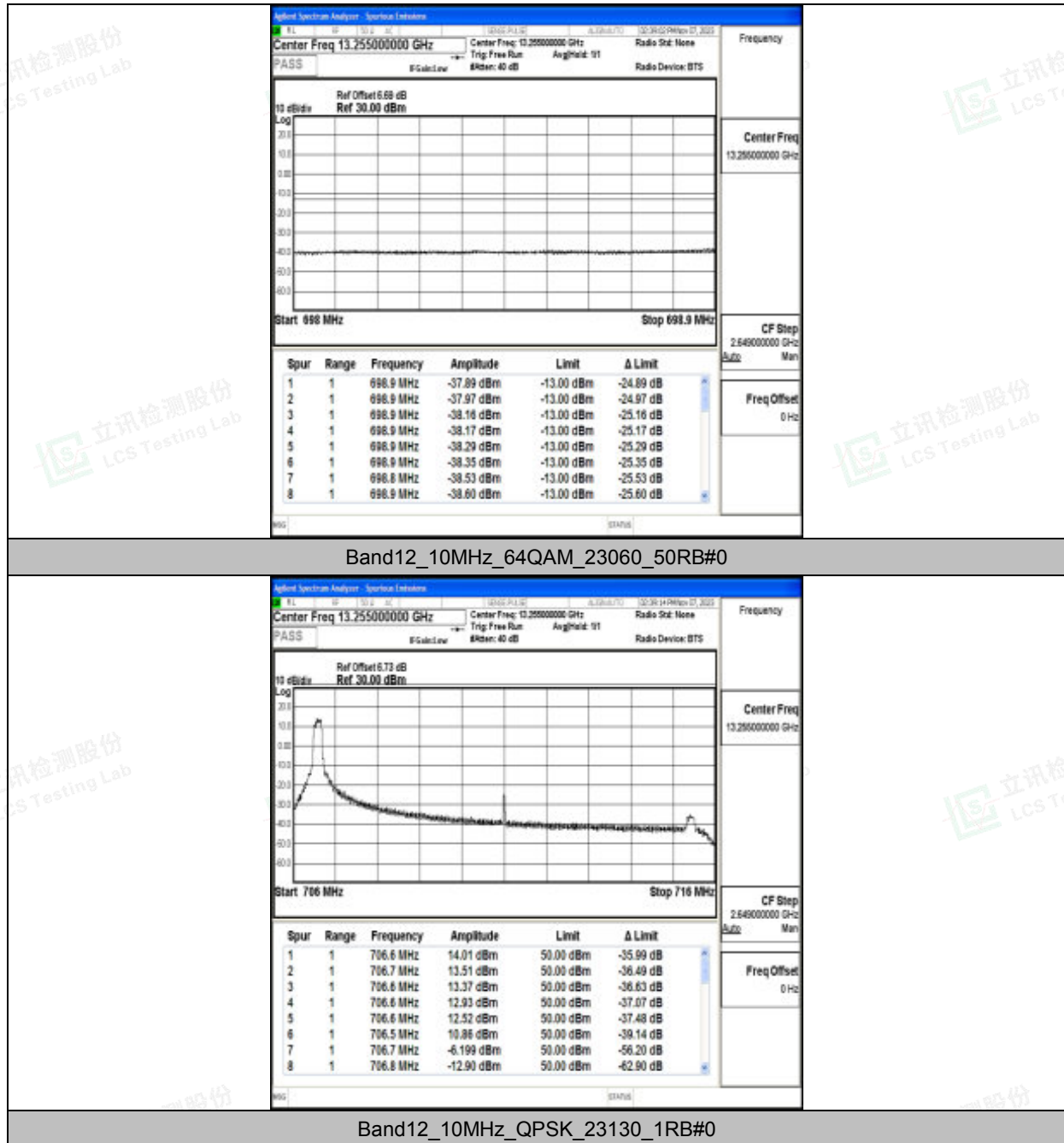


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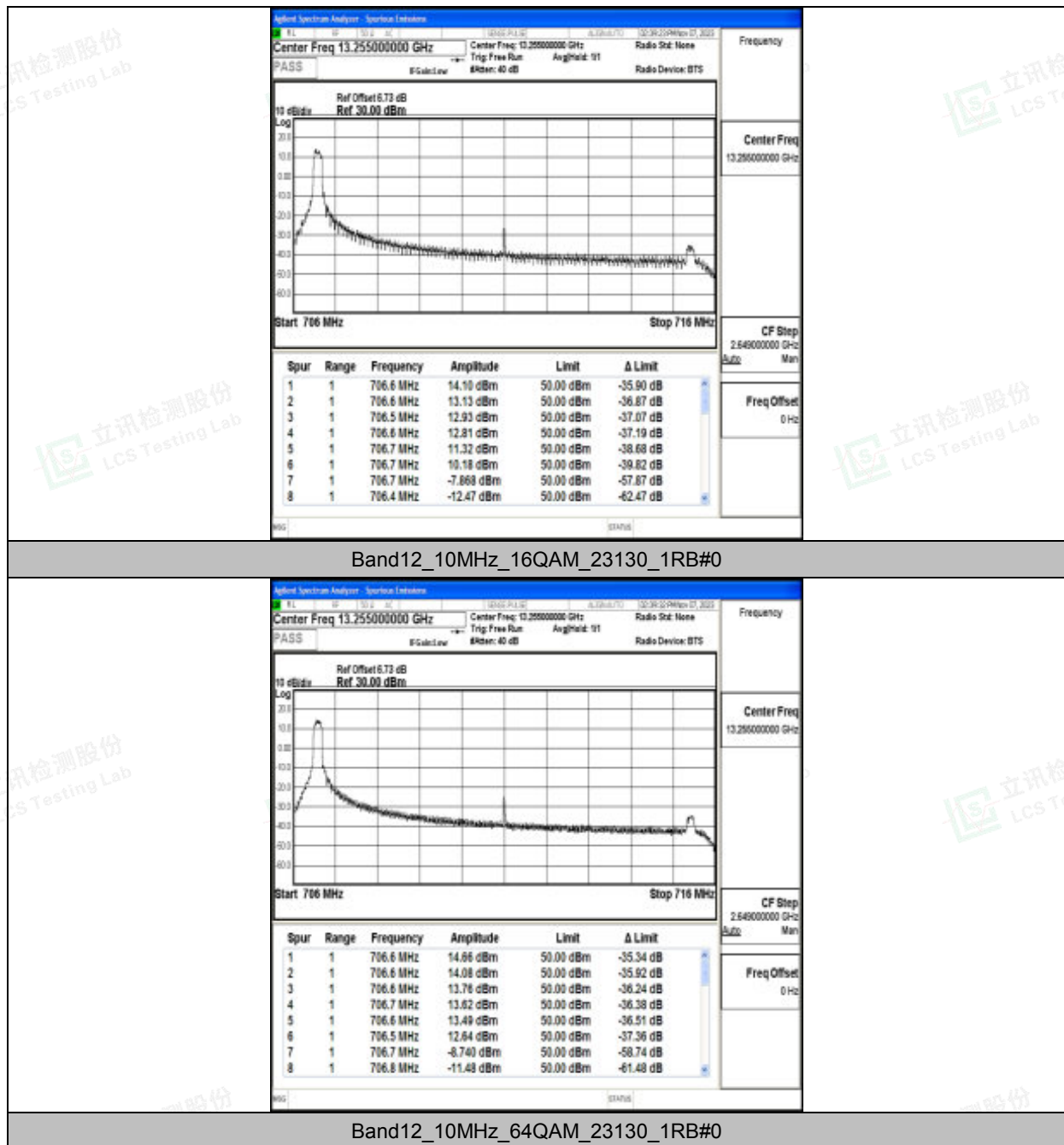


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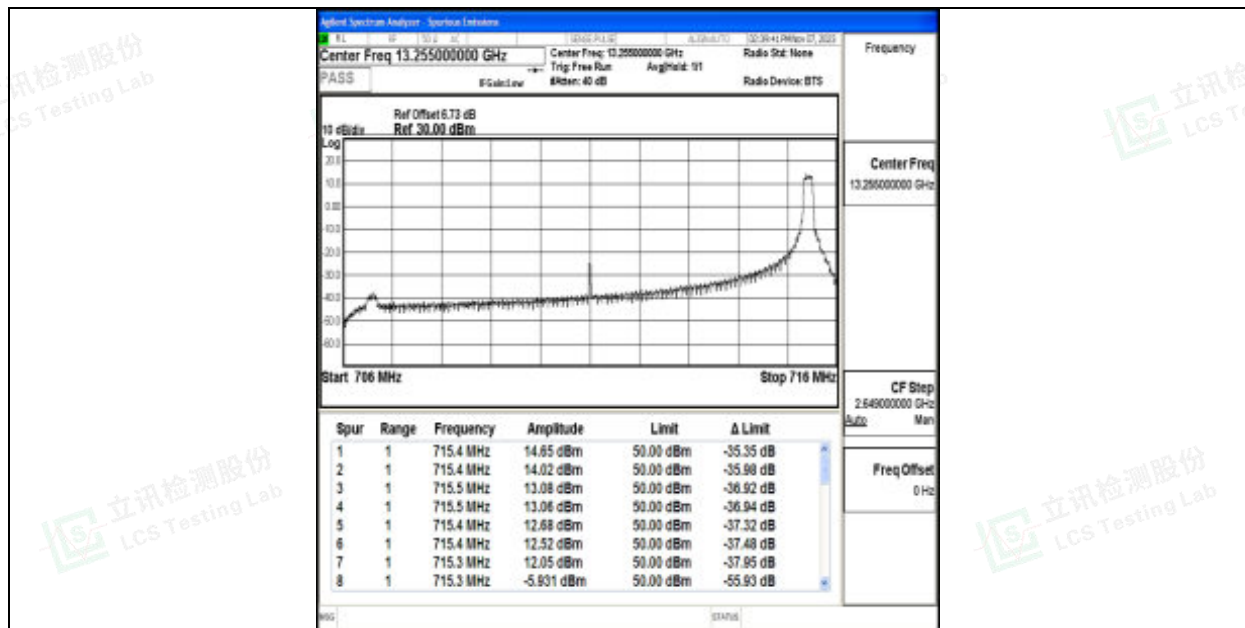


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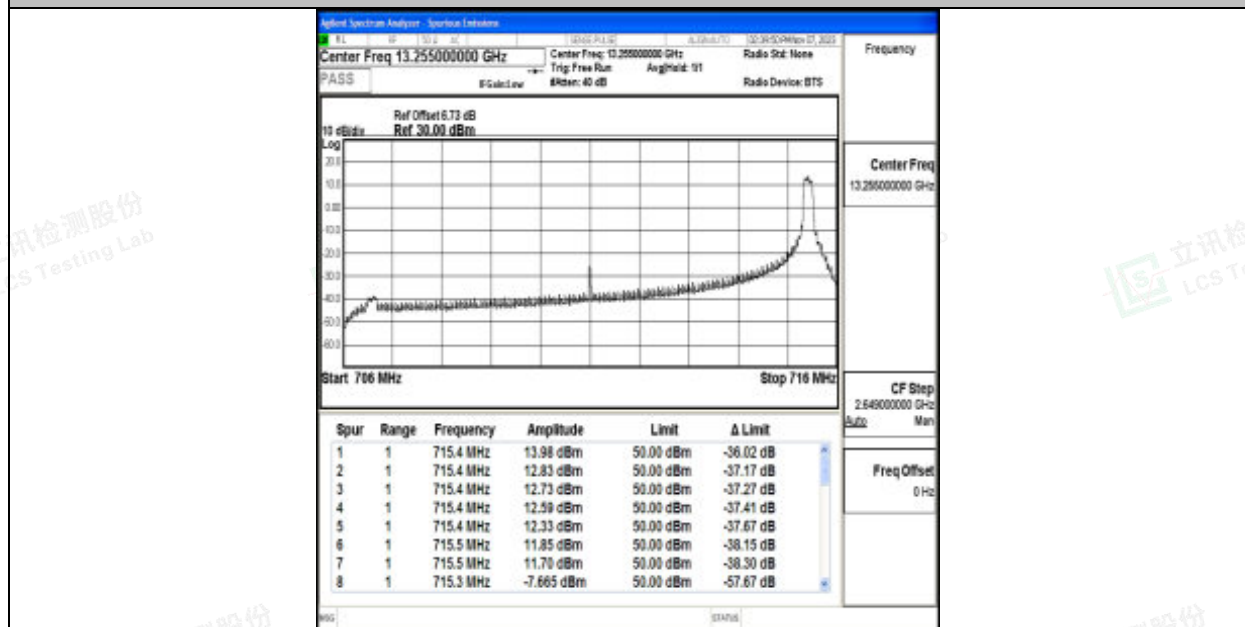
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Band12_10MHz_QPSK_23130_1RB#49



Band12_10MHz_16QAM_23130_1RB#49



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