



Appendix D: Test Data for E-UTRA Band 12

Product Name: 4G Feature Phone

Test Model: B7L

Environmental Conditions

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





D.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.56	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.36	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.51	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.45	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.57	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.40	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.31	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	24.30	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.29	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	24.28	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.36	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	24.34	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.39	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.71	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.06	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.43	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.17	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.49	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.18	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.60	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.34	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	24.33	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.32	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	24.34	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.34	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	24.35	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.43	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.44	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.30	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.41	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	24.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.28	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	24.15	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.61	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	24.44	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.61	PASS



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Scan code to check authenticity



Band12	1.4MHz	16QAM	23173	3RB#1	24.60	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.57	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	24.57	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.70	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	23.09	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.99	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.88	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.00	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.93	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.01	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.10	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.21	PASS
Band12	3MHz	16QAM	23025	8RB#0	23.21	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.21	PASS
Band12	3MHz	16QAM	23025	8RB#4	23.21	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.21	PASS
Band12	3MHz	16QAM	23025	8RB#7	23.20	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.20	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.36	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.21	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.87	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.22	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.94	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.30	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.35	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.23	PASS
Band12	3MHz	16QAM	23095	8RB#0	23.23	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.23	PASS
Band12	3MHz	16QAM	23095	8RB#4	23.22	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.22	PASS
Band12	3MHz	16QAM	23095	8RB#7	23.22	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.22	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.21	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.44	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.89	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.50	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.87	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.53	PASS
Band12	3MHz	16QAM	23165	1RB#14	24.27	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.55	PASS
Band12	3MHz	16QAM	23165	8RB#0	23.55	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.55	PASS
Band12	3MHz	16QAM	23165	8RB#4	23.55	PASS



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Band12	3MHz	QPSK	23165	8RB#7	23.55	PASS
Band12	3MHz	16QAM	23165	8RB#7	23.55	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.55	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.67	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.19	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.61	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.14	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.61	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.14	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.72	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.23	PASS
Band12	5MHz	16QAM	23035	12RB#0	23.22	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.22	PASS
Band12	5MHz	16QAM	23035	12RB#6	23.21	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.21	PASS
Band12	5MHz	16QAM	23035	12RB#13	23.22	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.23	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.38	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.96	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.41	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.08	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.53	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.24	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.73	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.09	PASS
Band12	5MHz	16QAM	23095	12RB#0	23.10	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.10	PASS
Band12	5MHz	16QAM	23095	12RB#6	23.10	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.26	PASS
Band12	5MHz	16QAM	23095	12RB#13	23.26	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.28	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.33	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.22	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.23	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.28	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.23	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.41	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.34	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.35	PASS
Band12	5MHz	16QAM	23155	12RB#0	23.39	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.45	PASS
Band12	5MHz	16QAM	23155	12RB#6	23.52	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.58	PASS



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Band12	5MHz	16QAM	23155	12RB#13	23.59	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.59	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.78	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.94	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.83	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.96	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.92	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.06	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.44	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.18	PASS
Band12	10MHz	16QAM	23060	25RB#0	23.18	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.18	PASS
Band12	10MHz	16QAM	23060	25RB#12	23.17	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.13	PASS
Band12	10MHz	16QAM	23060	25RB#25	23.13	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.15	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.34	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.18	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.06	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.33	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.27	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.60	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.44	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.14	PASS
Band12	10MHz	16QAM	23095	25RB#0	23.29	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.29	PASS
Band12	10MHz	16QAM	23095	25RB#12	23.29	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.45	PASS
Band12	10MHz	16QAM	23095	25RB#25	23.44	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.26	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.44	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.98	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.82	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.21	PASS
Band12	10MHz	16QAM	23130	1RB#24	24.23	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.38	PASS
Band12	10MHz	16QAM	23130	1RB#49	24.34	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.24	PASS
Band12	10MHz	16QAM	23130	25RB#0	23.17	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.18	PASS
Band12	10MHz	16QAM	23130	25RB#12	23.17	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.56	PASS
Band12	10MHz	16QAM	23130	25RB#25	23.57	PASS



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Band12	10MHz	QPSK	23130	50RB#0	23.39	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.57	PASS





D.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	4.81	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.33	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.49	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.25	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.63	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.60	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.43	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.08	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.03	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.51	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.68	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.44	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.03	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.69	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.55	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.36	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.83	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.67	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.50	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.27	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.48	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.37	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.95	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.73	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.92	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.62	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.67	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.38	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.88	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.74	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.58	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.26	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.93	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.74	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.25	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.00	13	PASS



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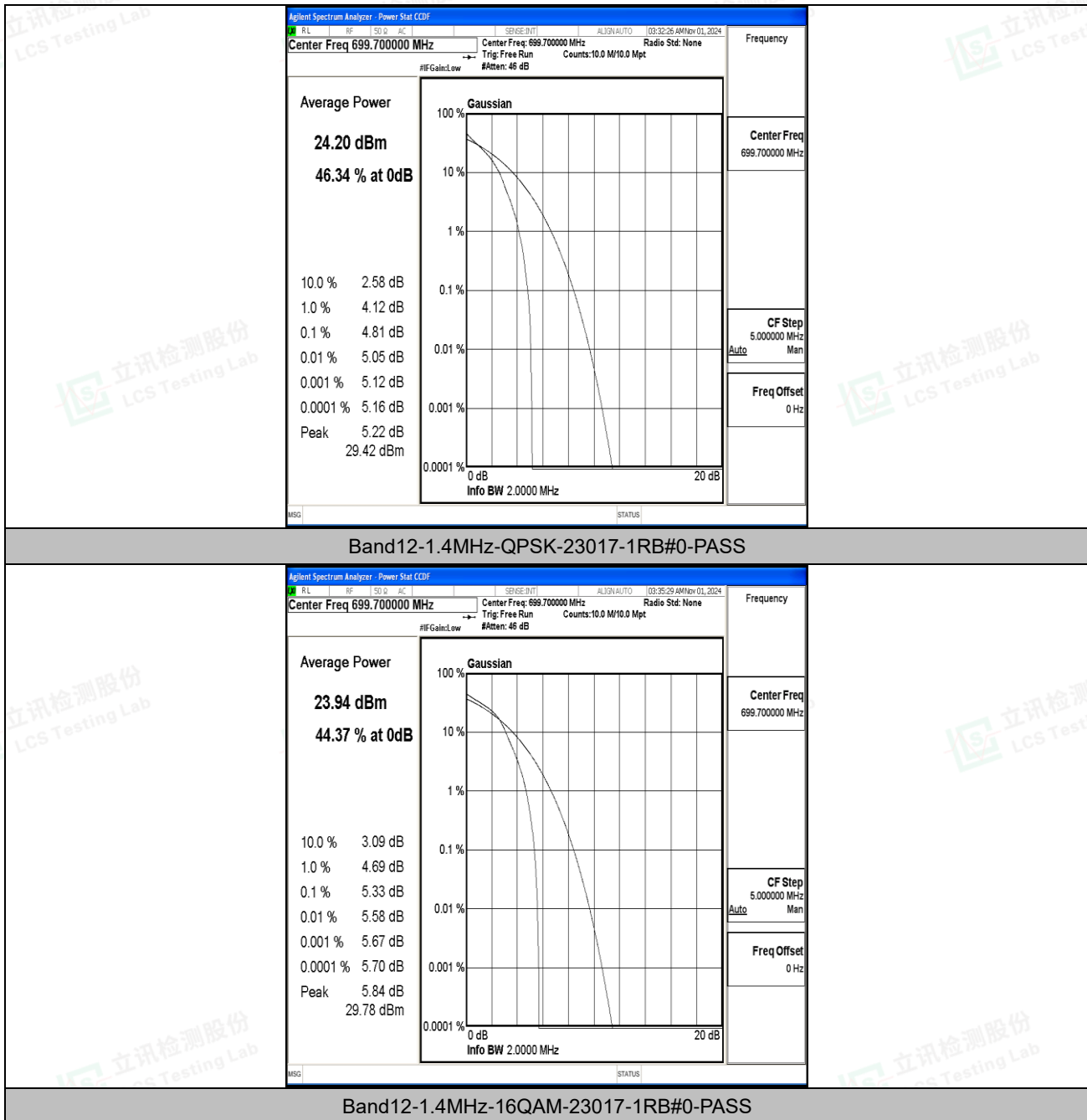


Band12	10MHz	QPSK	23060	1RB#0	4.97	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.35	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.57	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.32	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.00	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.73	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.67	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.35	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.67	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.48	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.44	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.22	13	PASS





Test Graphs

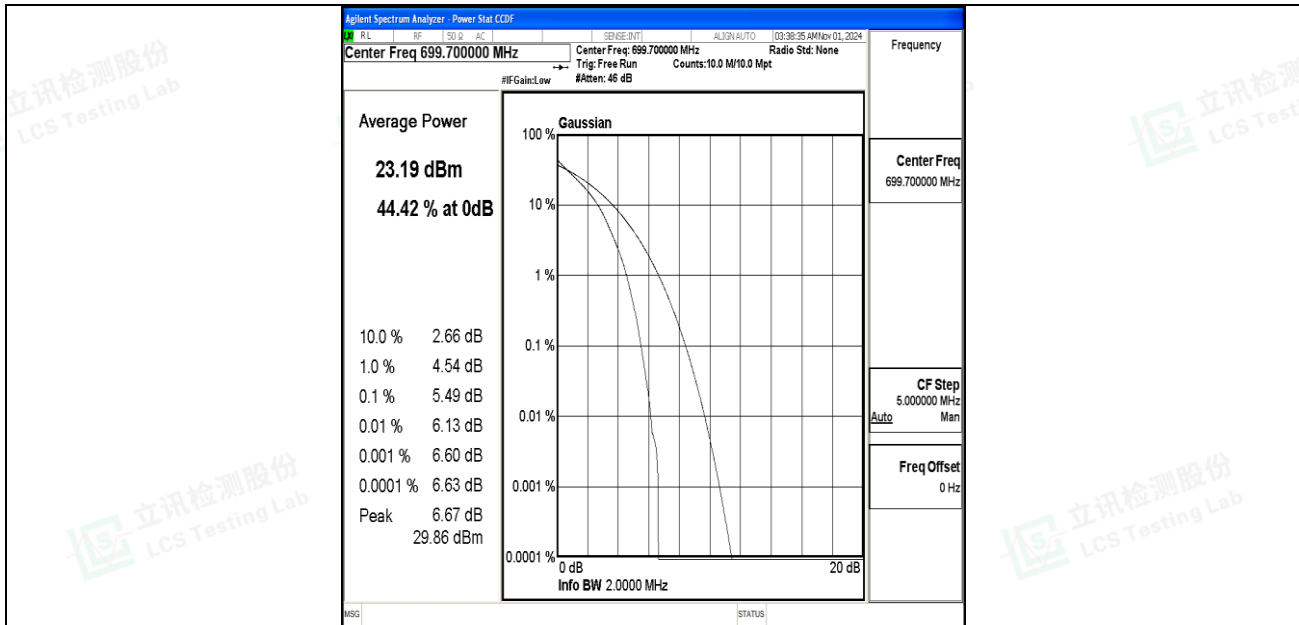


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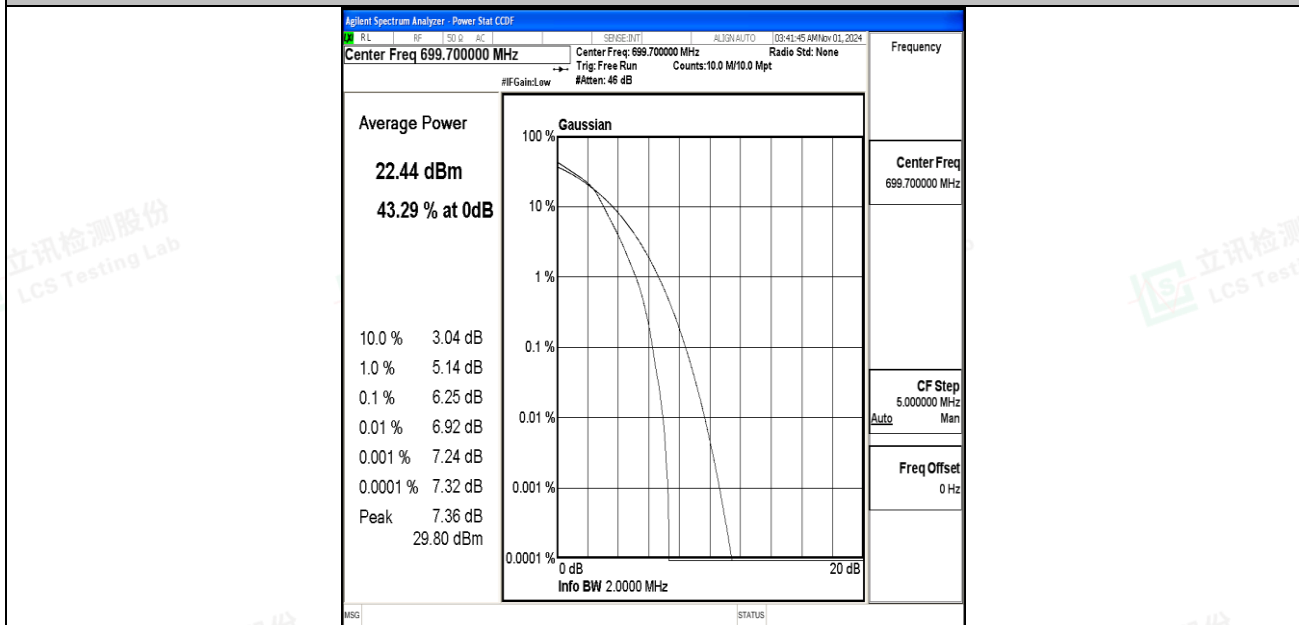
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Band12-1.4MHz-QPSK-23017-6RB#0-PASS



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

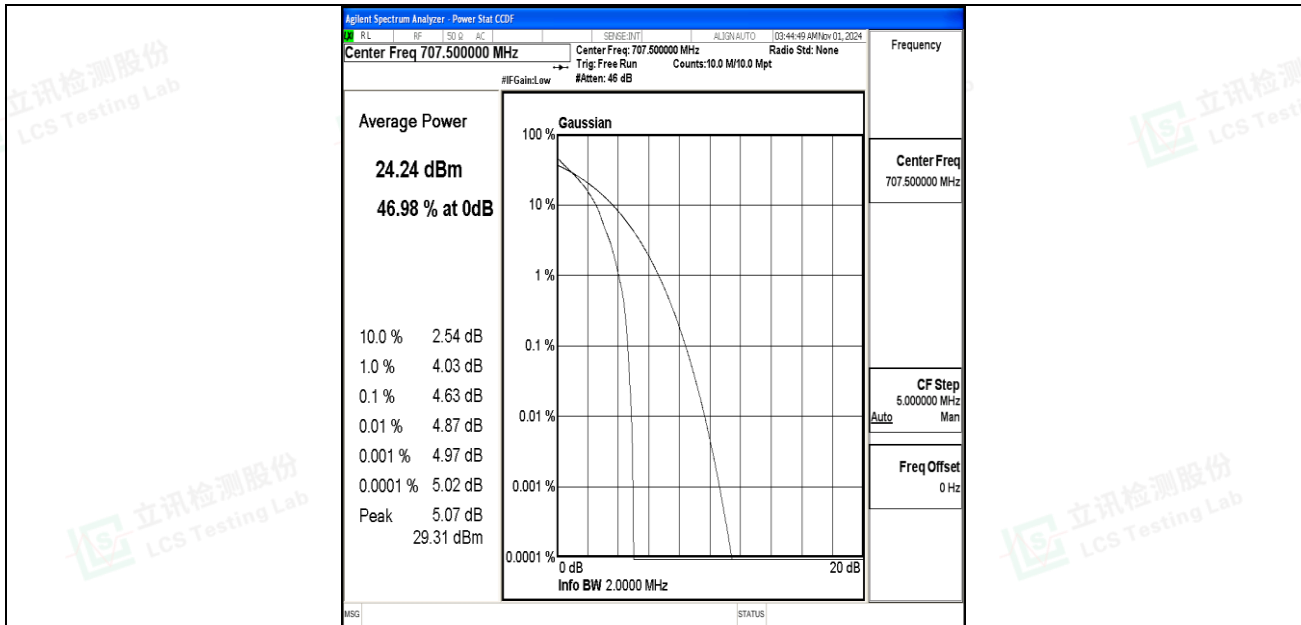


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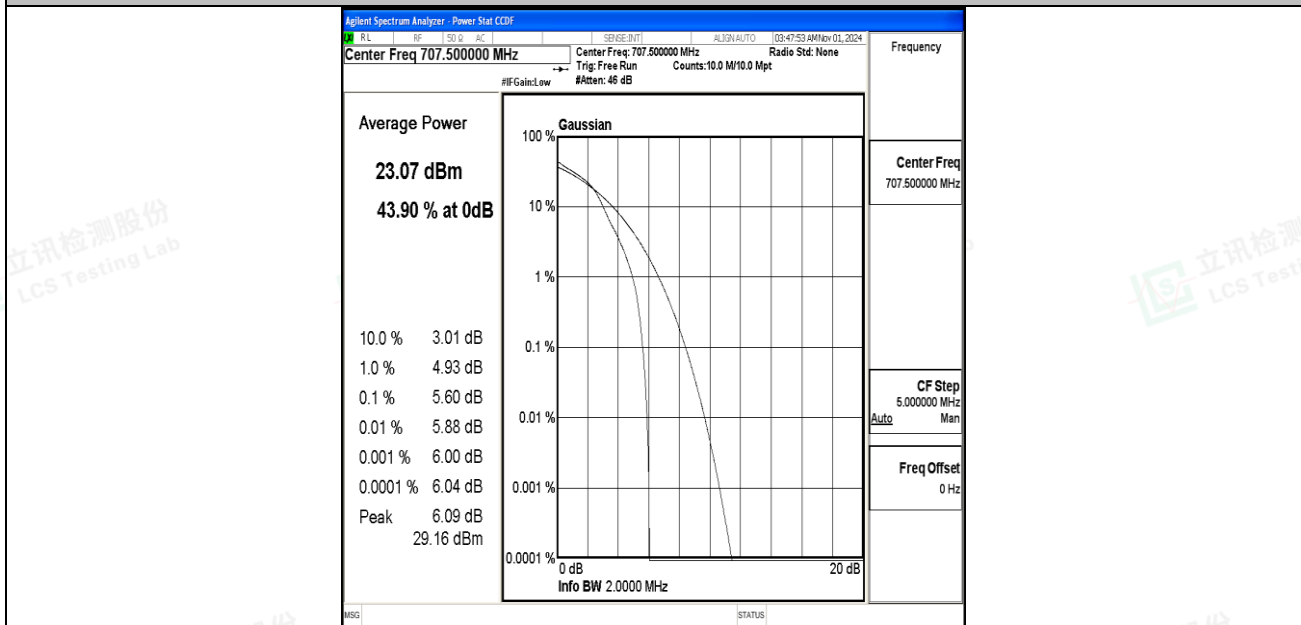
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Band12-1.4MHz-QPSK-23095-1RB#0-PASS



Band12-1.4MHz-16QAM-23095-1RB#0-PASS

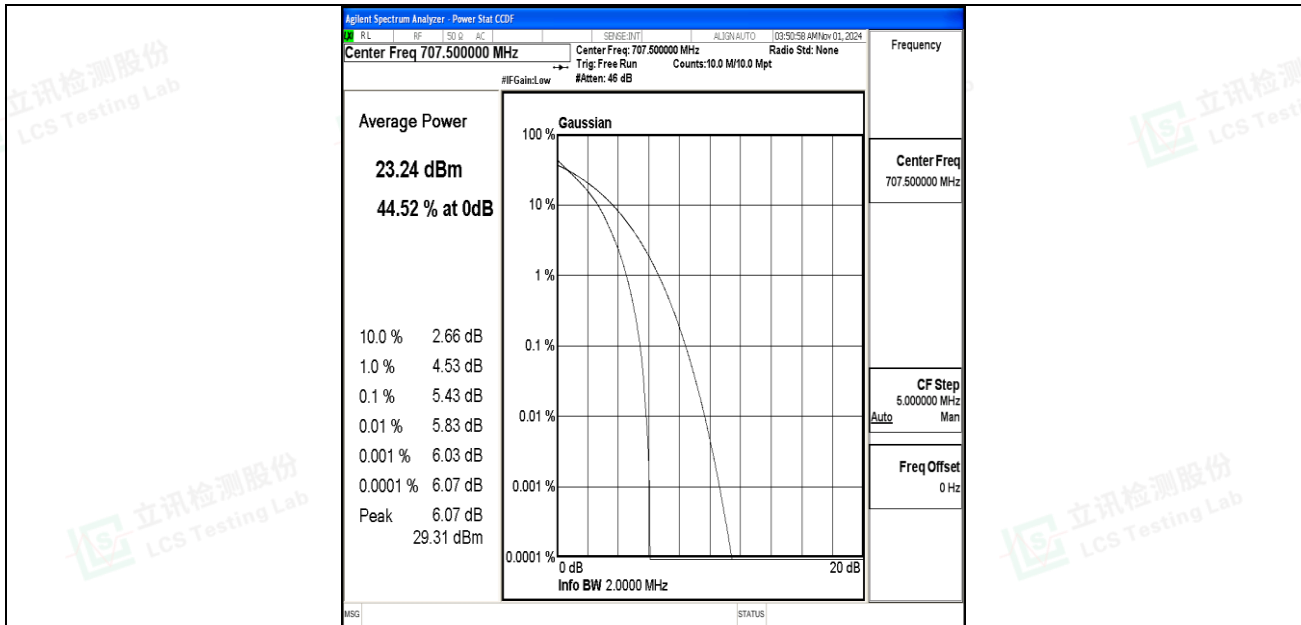


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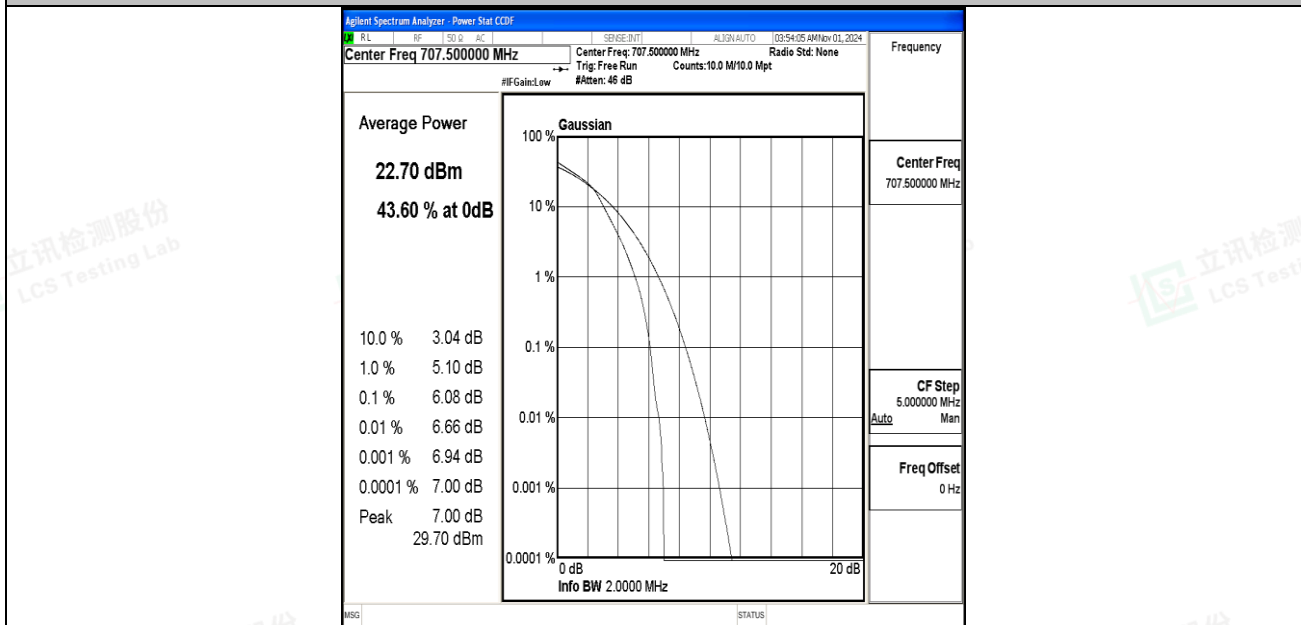
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Band12-1.4MHz-QPSK-23095-6RB#0-PASS



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

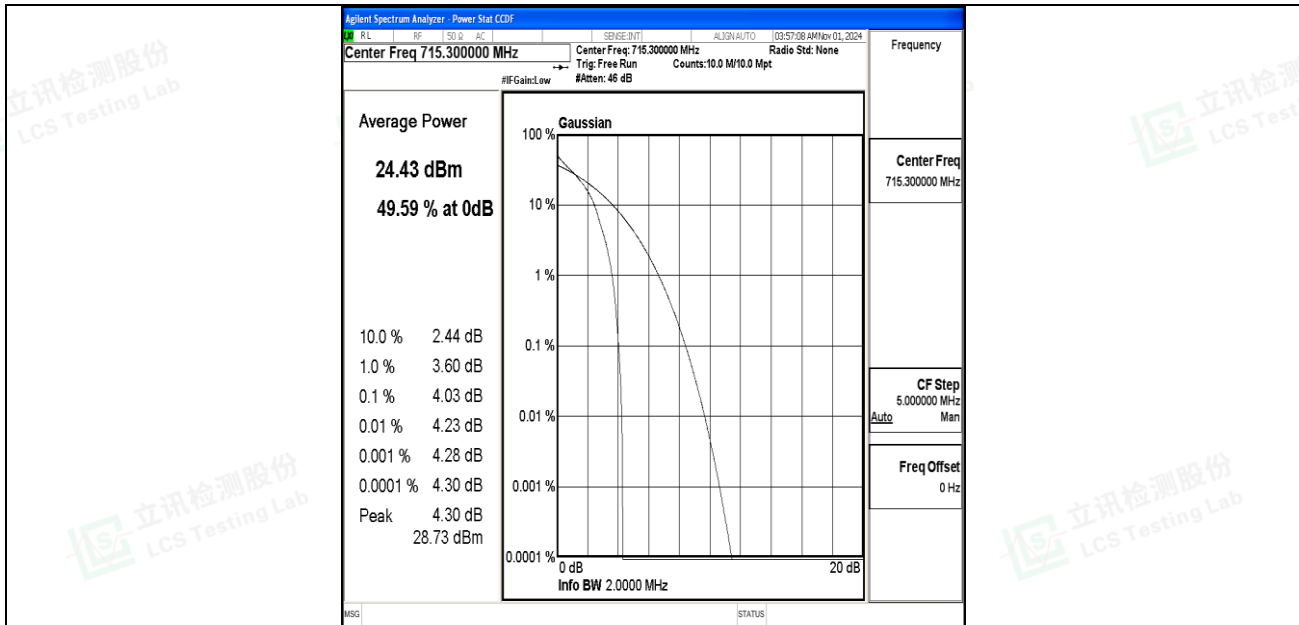


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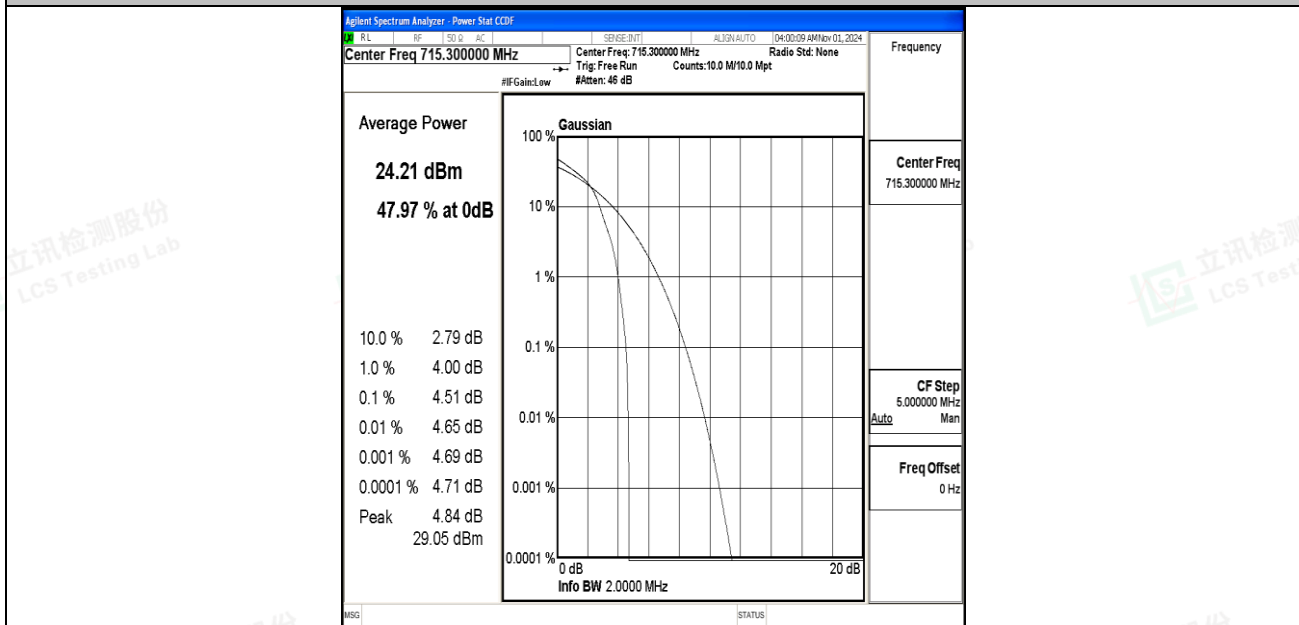
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Band12-1.4MHz-QPSK-23173-1RB#0-PASS



Band12-1.4MHz-16QAM-23173-1RB#0-PASS

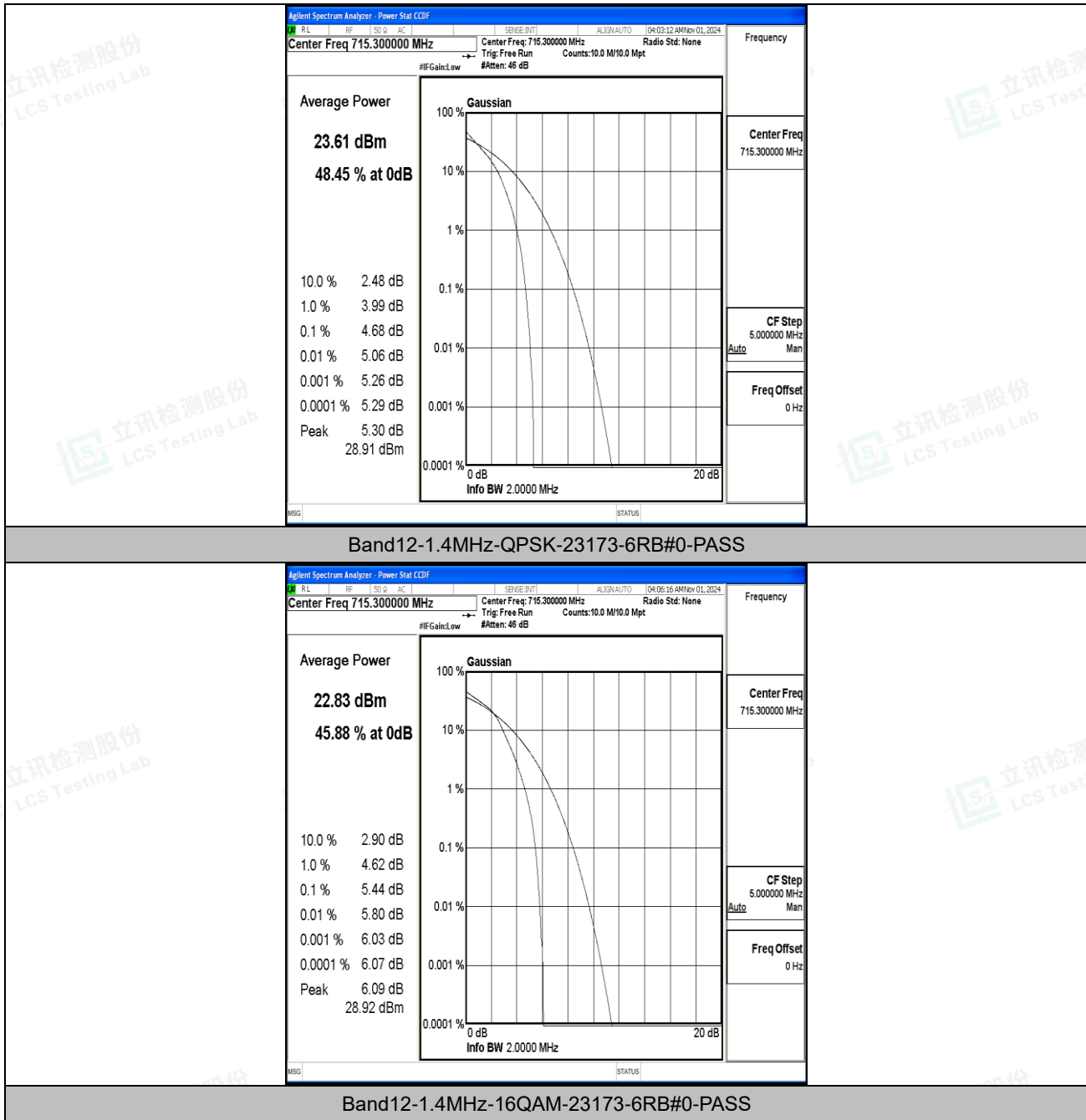


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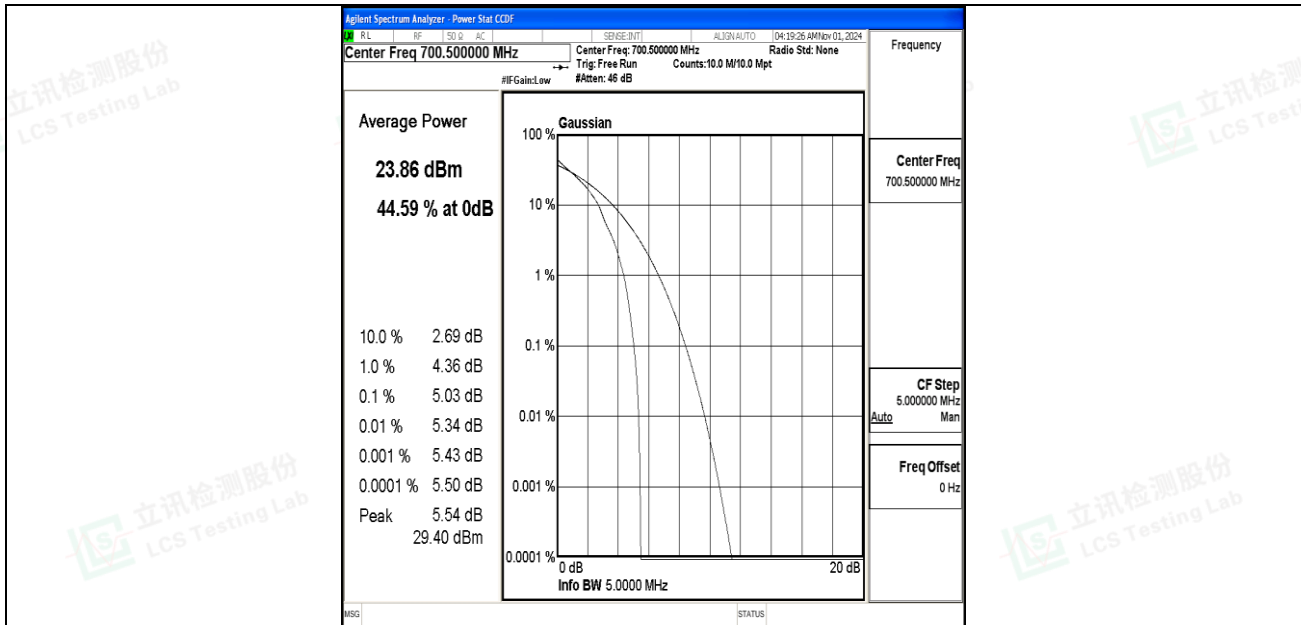


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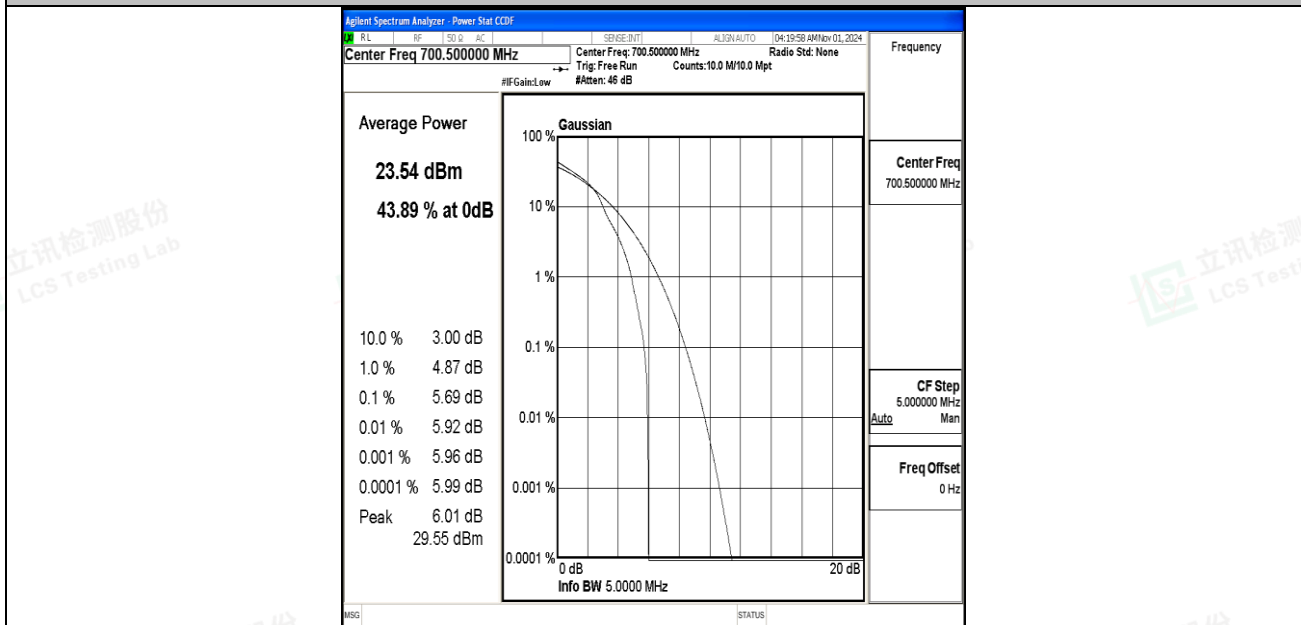
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Scan code to check authenticity



Band12-3MHz-QPSK-23025-1RB#0-PASS



Band12-3MHz-16QAM-23025-1RB#0-PASS

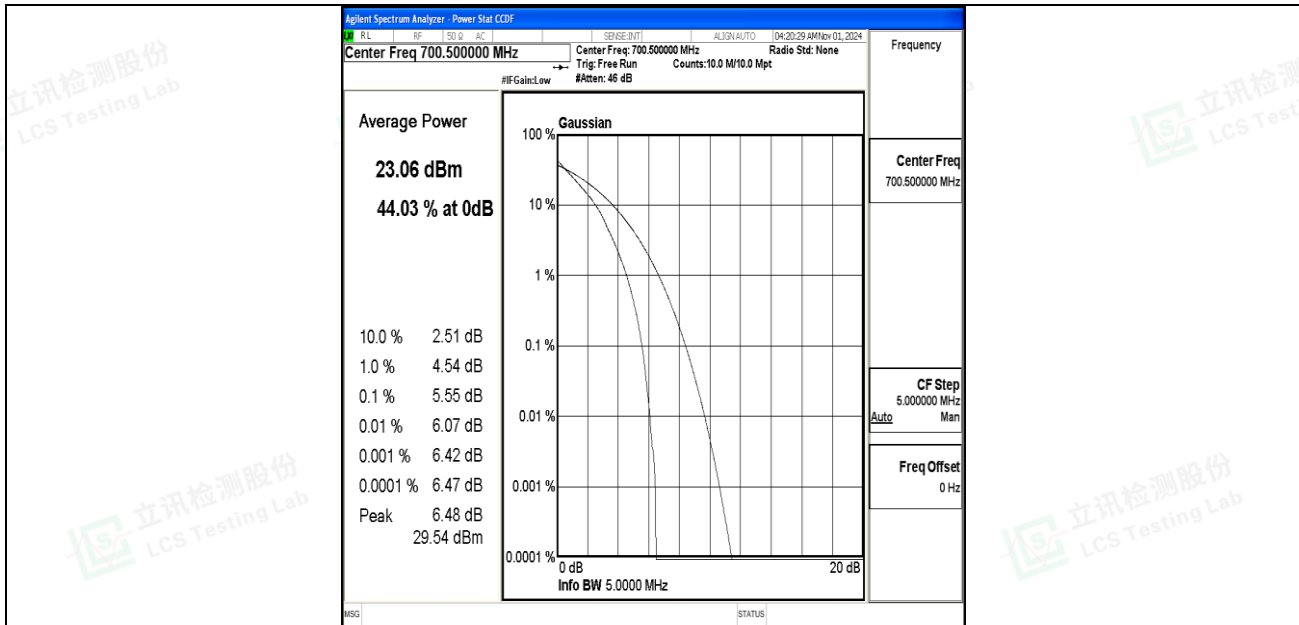


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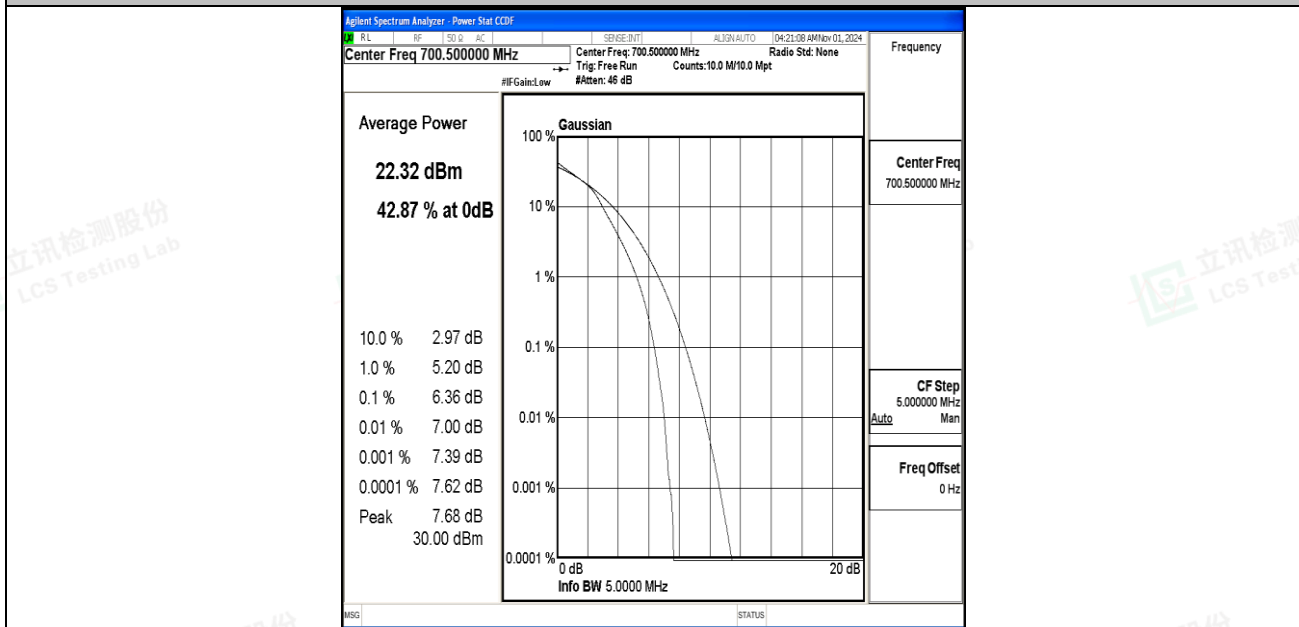
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Band12-3MHz-QPSK-23025-15RB#0-PASS



Band12-3MHz-16QAM-23025-15RB#0-PASS

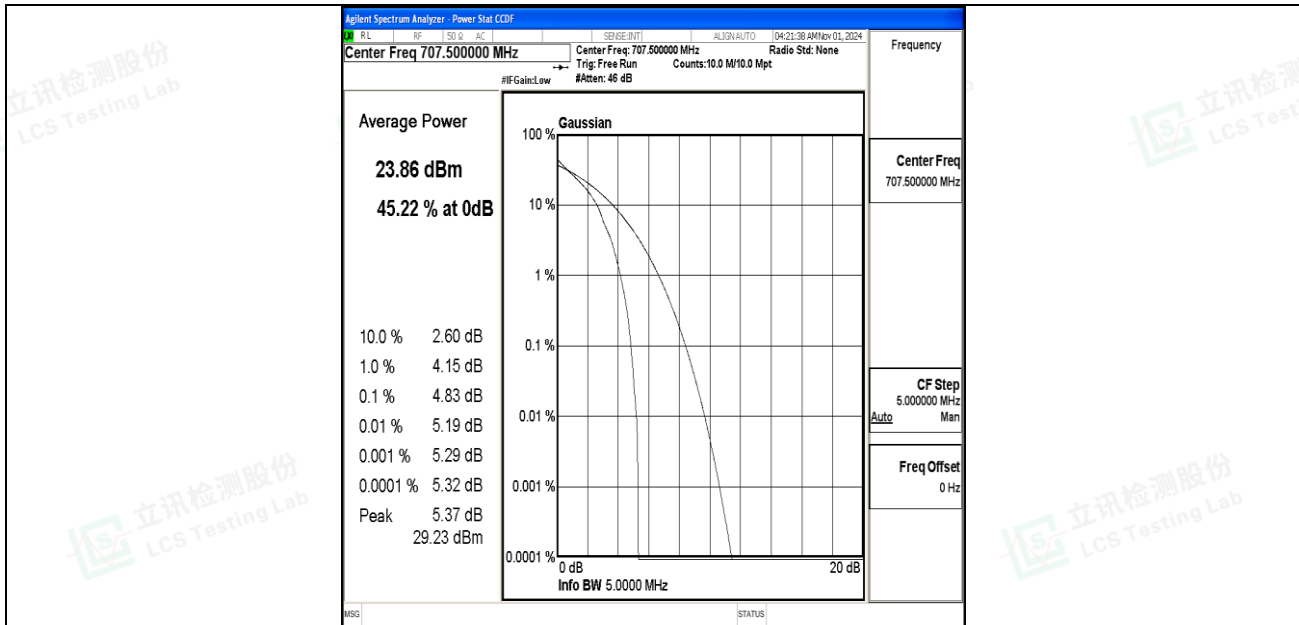


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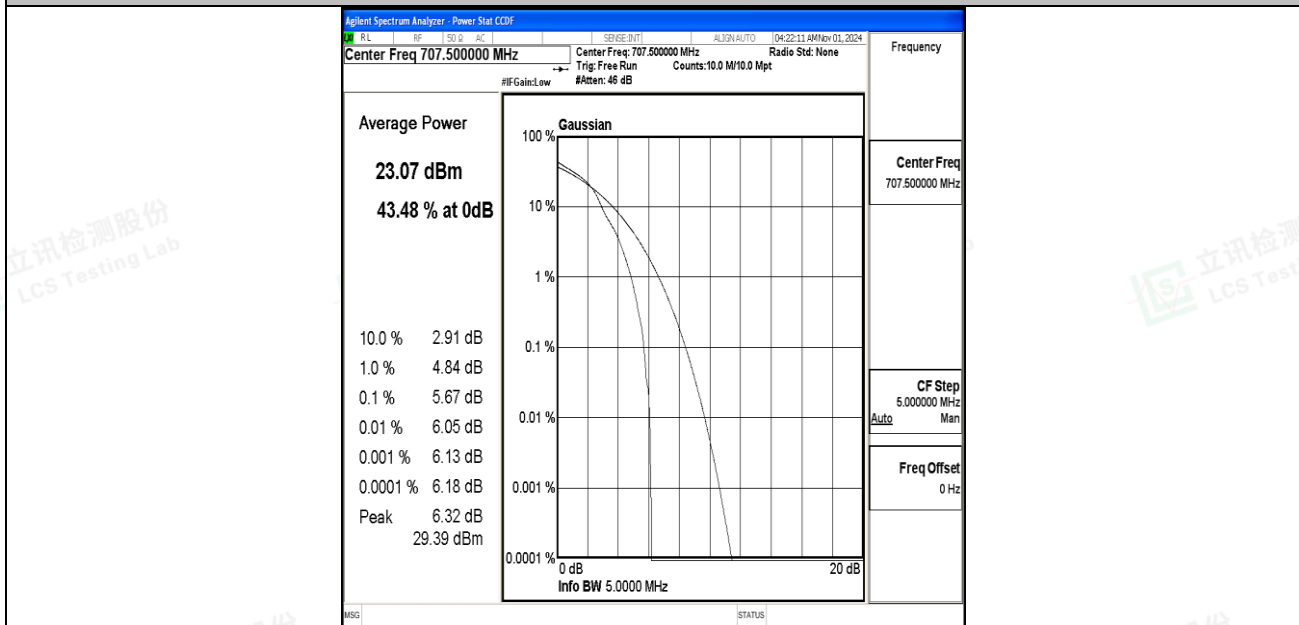
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Band12-3MHz-QPSK-23095-1RB#0-PASS



Band12-3MHz-16QAM-23095-1RB#0-PASS

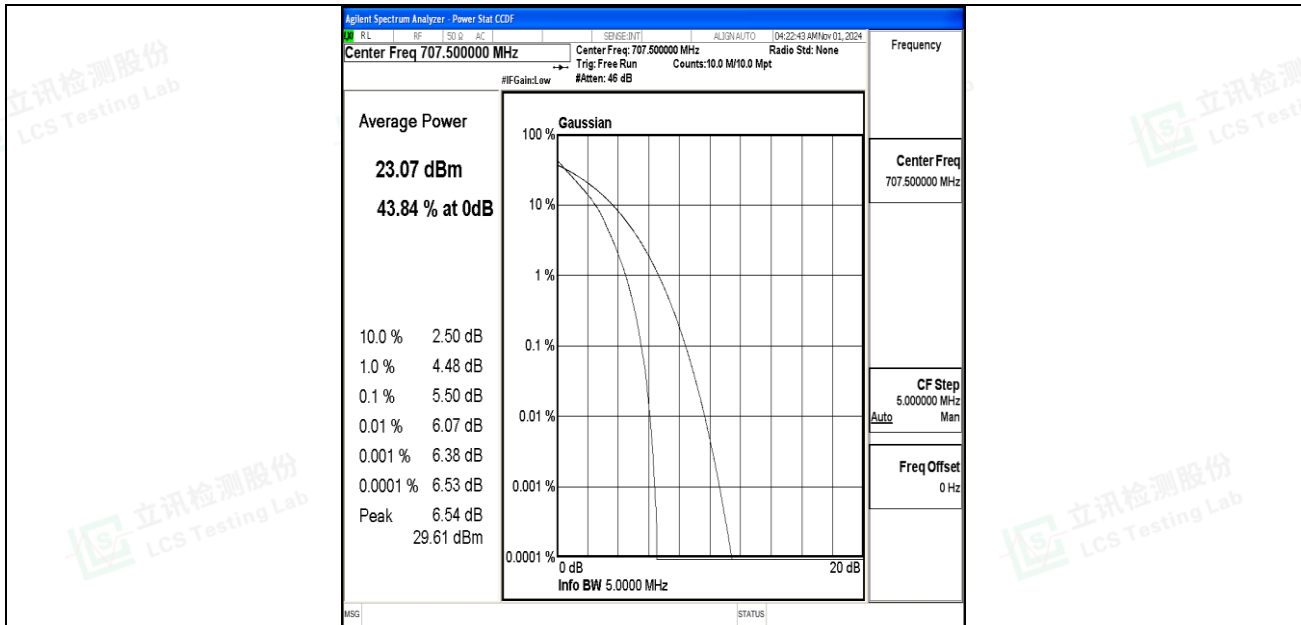


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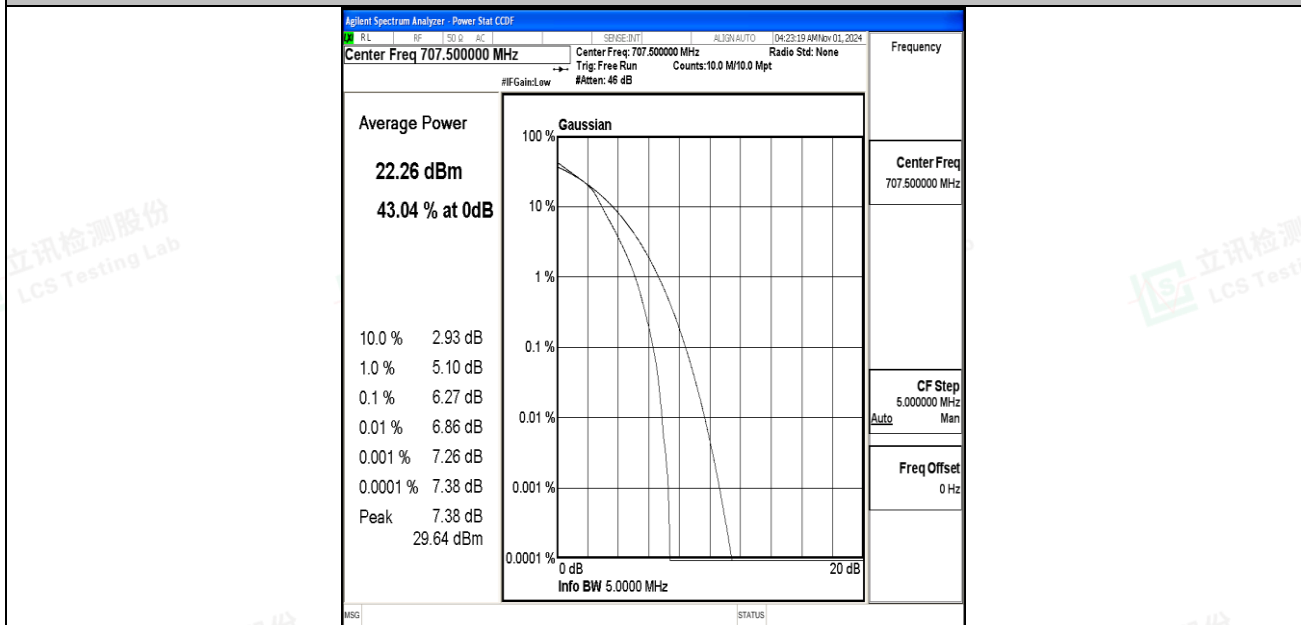
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Band12-3MHz-QPSK-23095-15RB#0-PASS



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

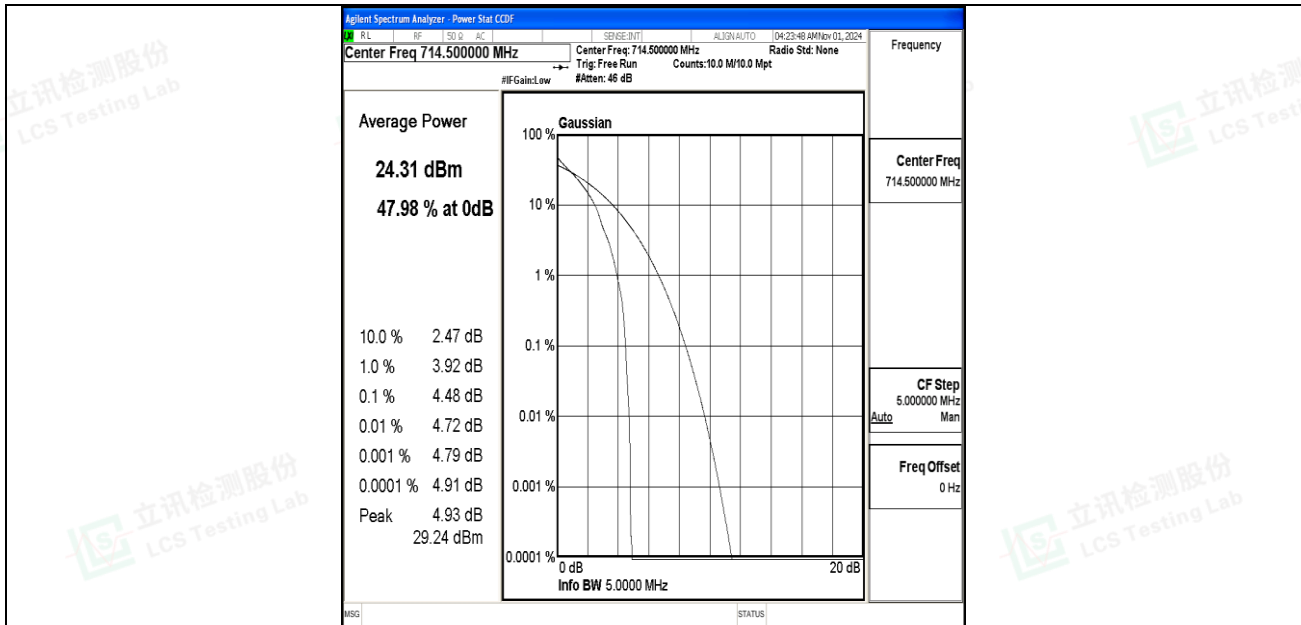


Shenzhen LCS Compliance Testing Laboratory Ltd.

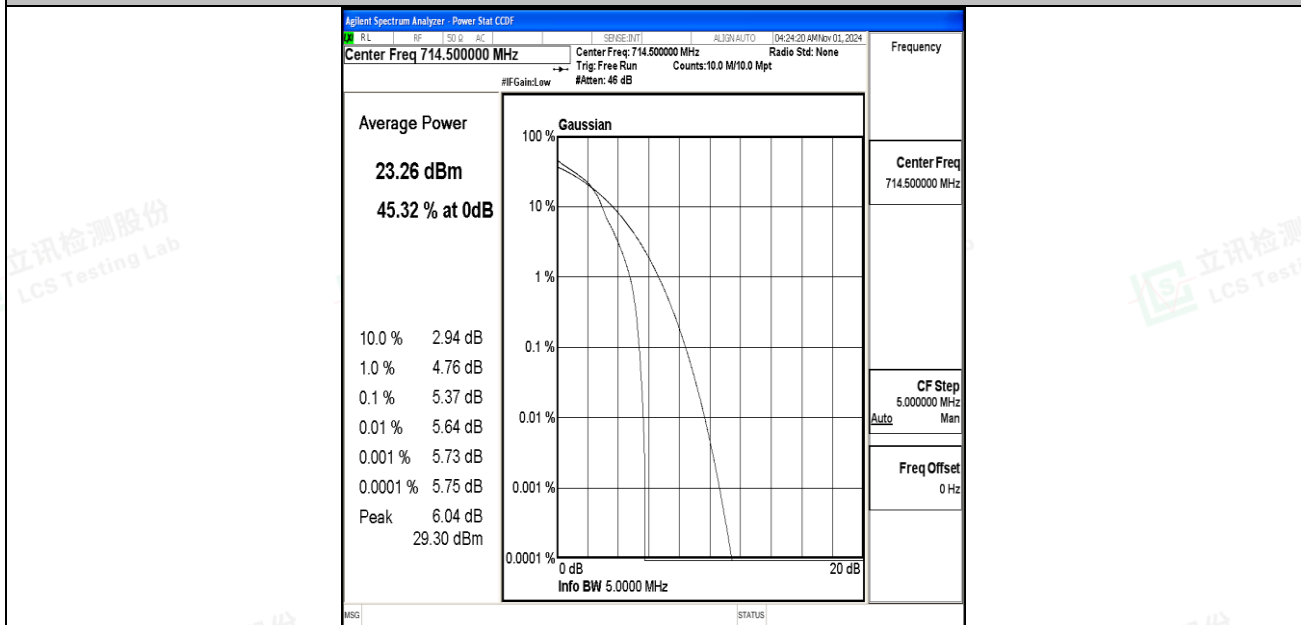
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Band12-3MHz-QPSK-23165-1RB#0-PASS



Band12-3MHz-16QAM-23165-1RB#0-PASS

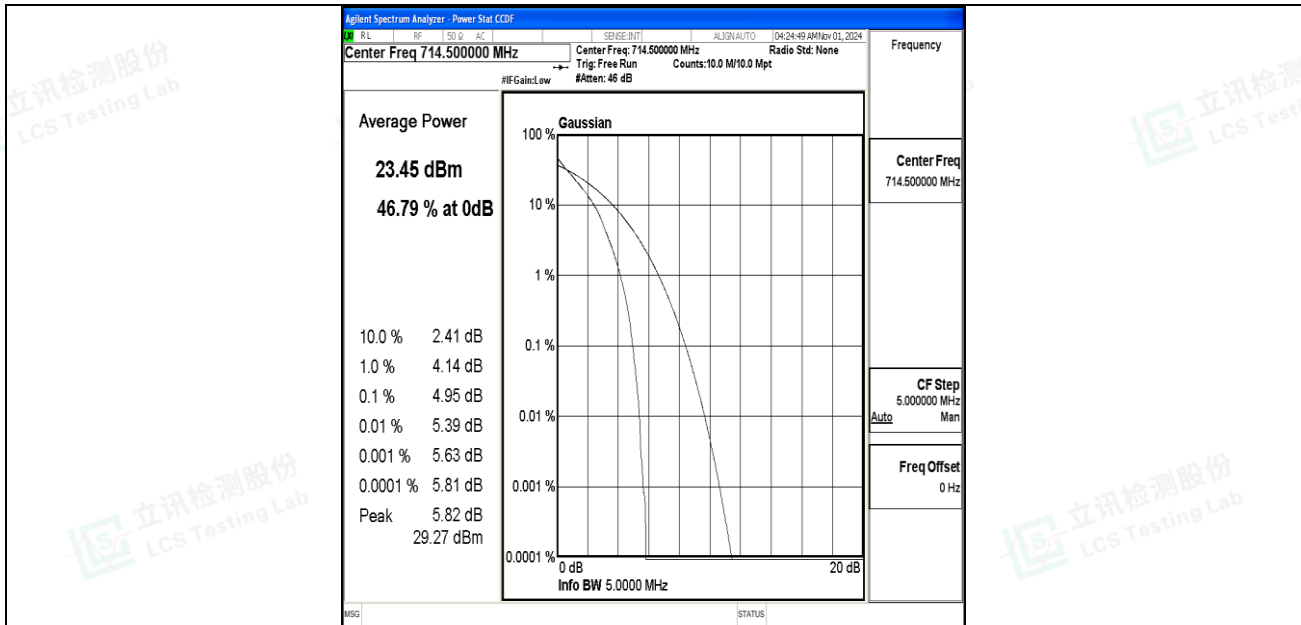


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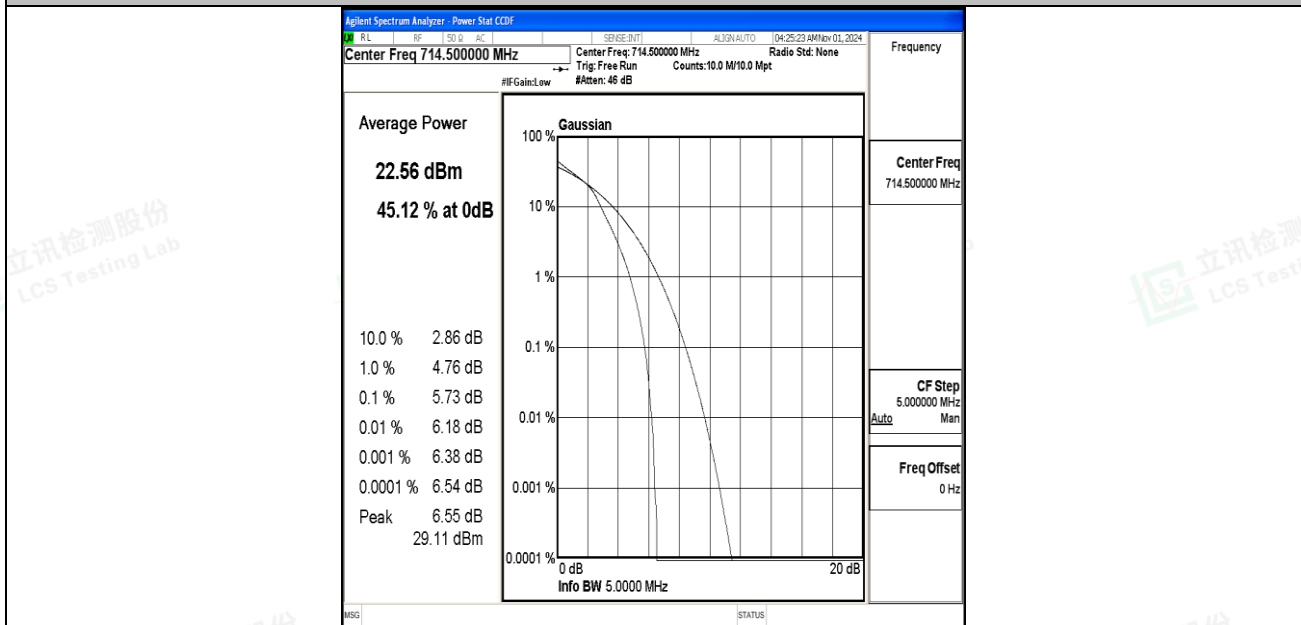
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Band12-3MHz-QPSK-23165-15RB#0-PASS



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

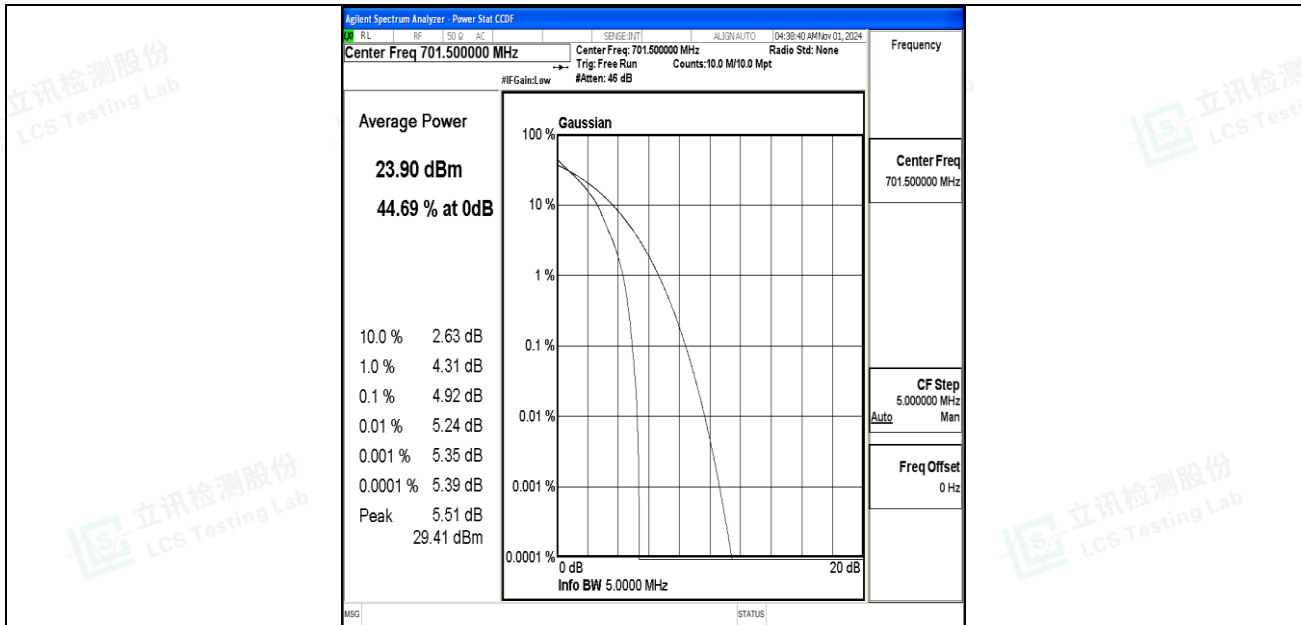


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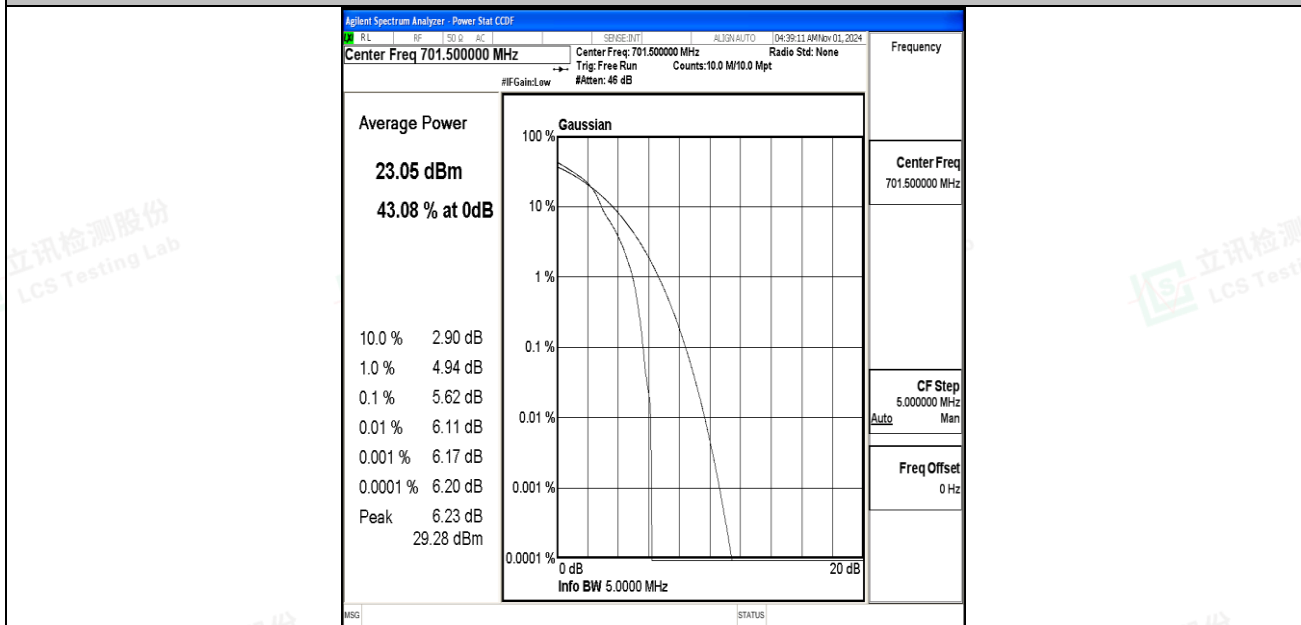
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Band12-5MHz-QPSK-23035-1RB#0-PASS



Band12-5MHz-16QAM-23035-1RB#0-PASS

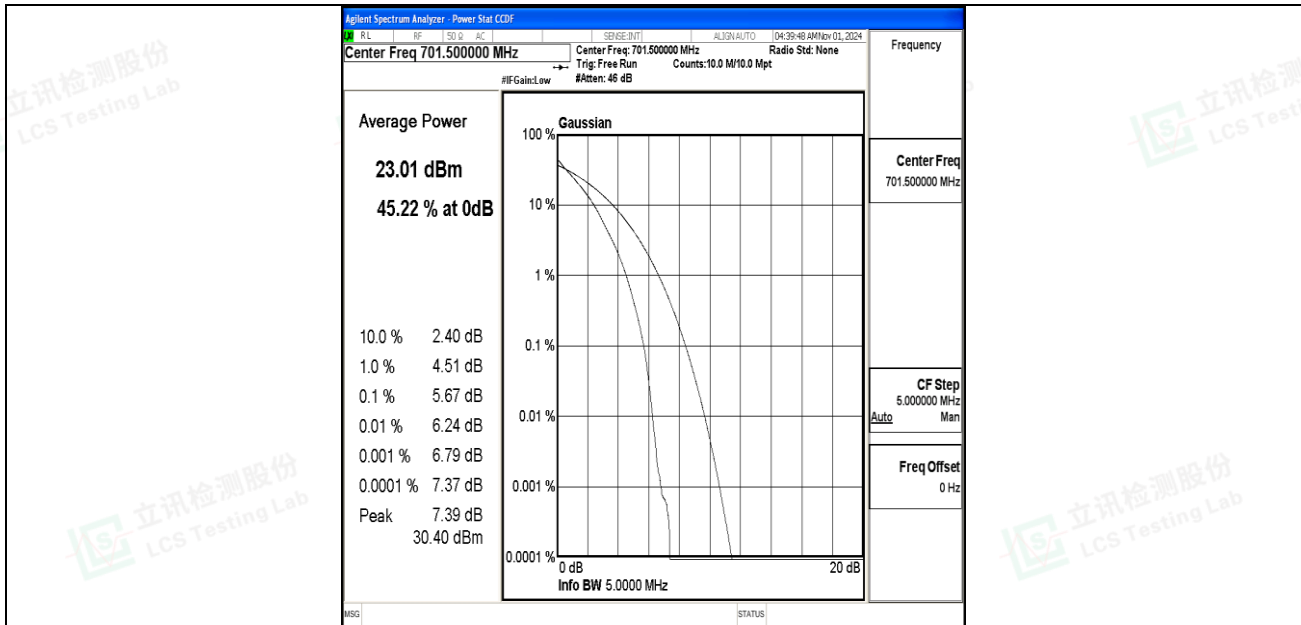


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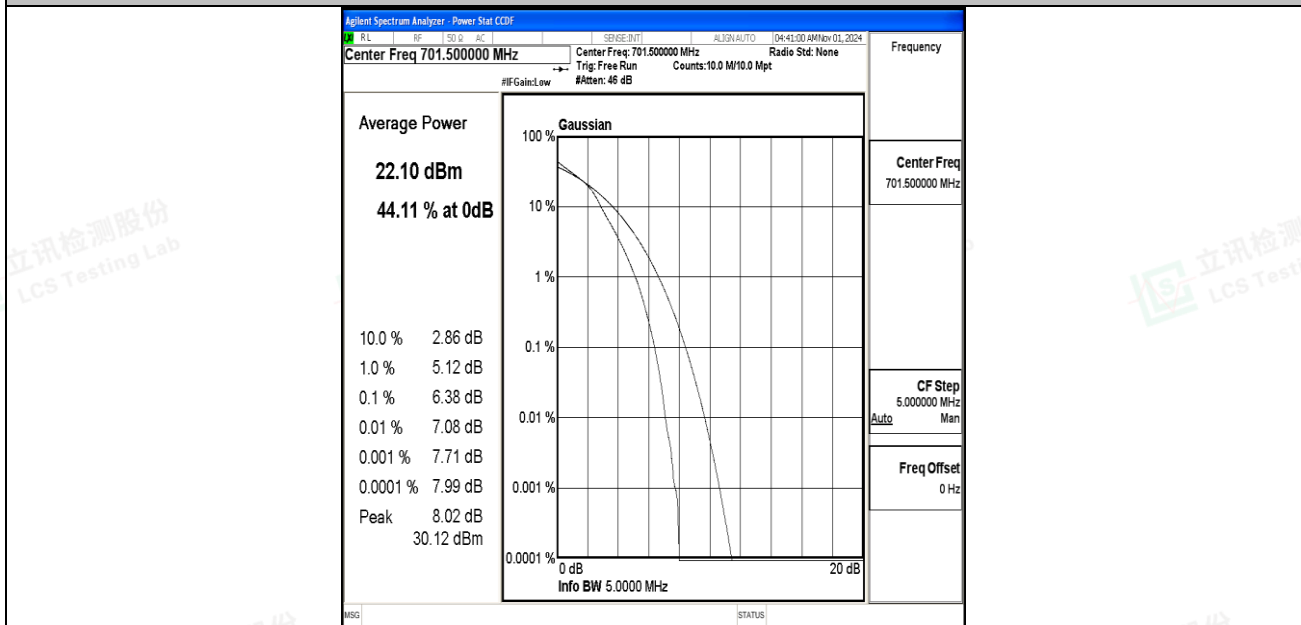
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Band12-5MHz-QPSK-23035-25RB#0-PASS



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

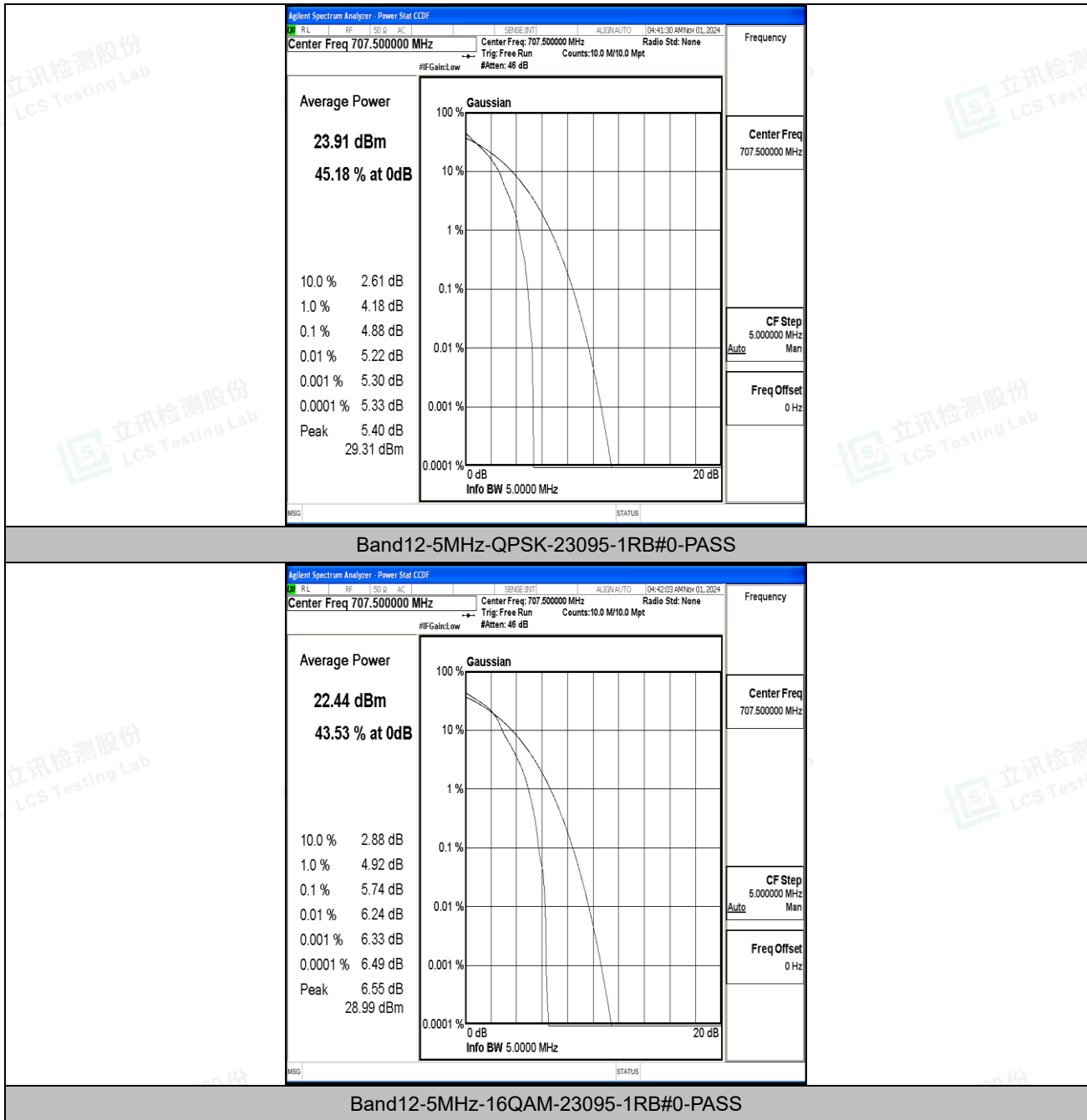


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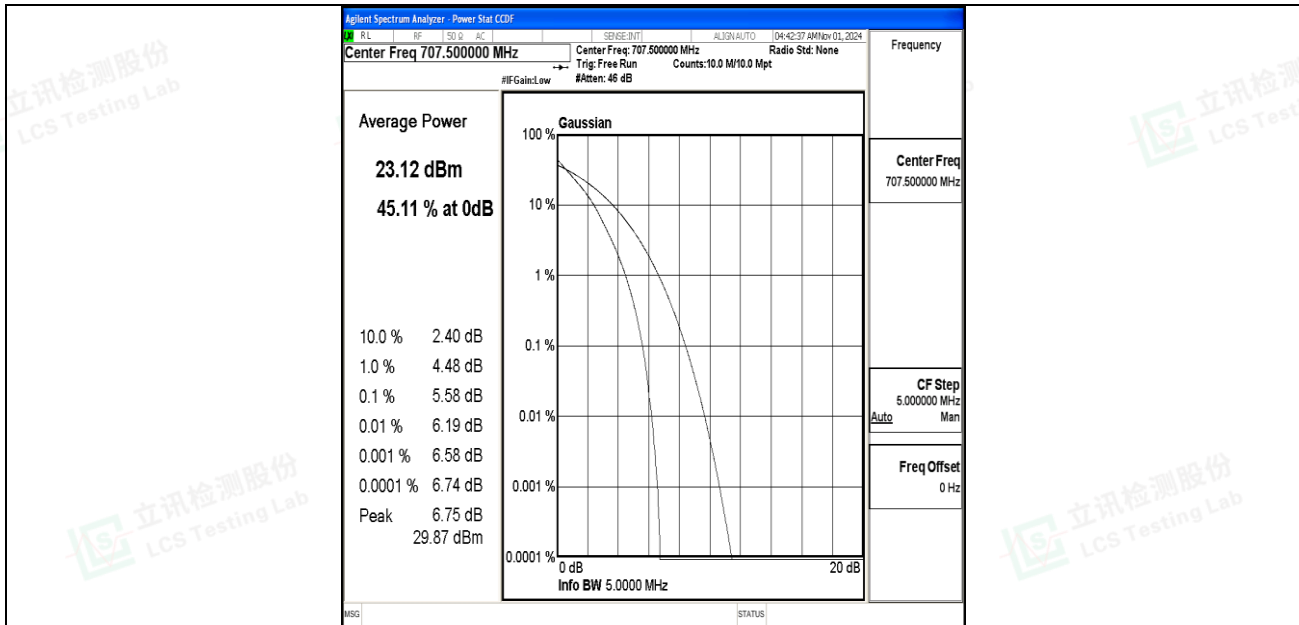


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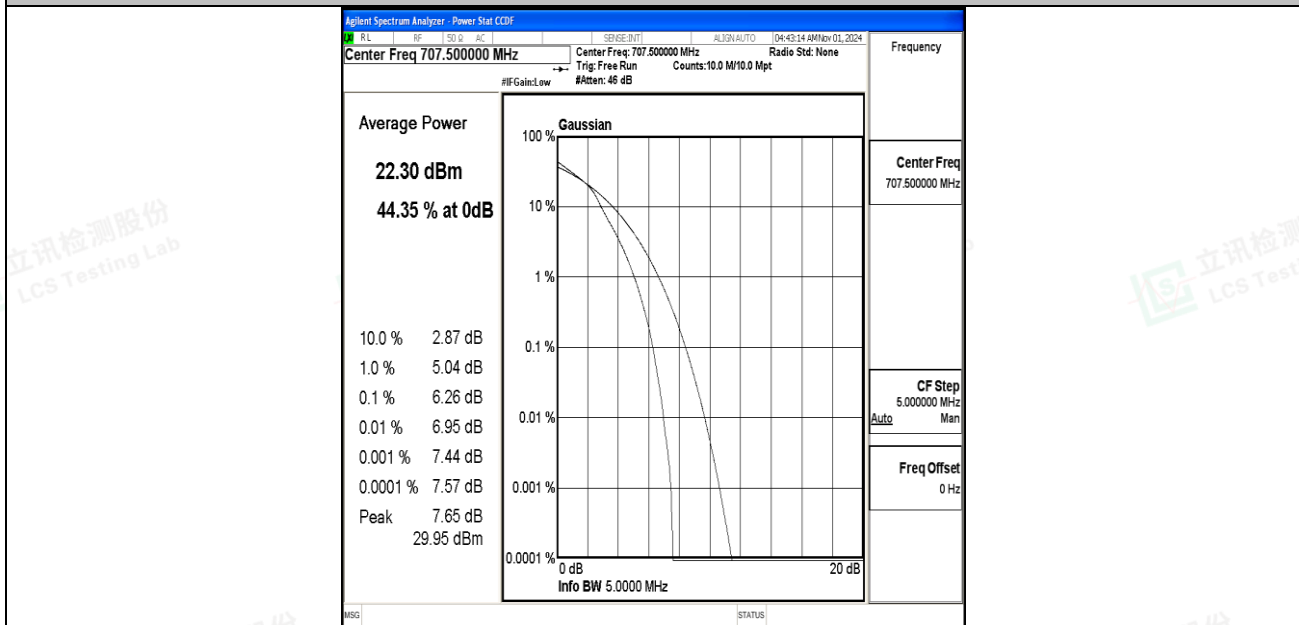
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Band12-5MHz-QPSK-23095-25RB#0-PASS



Band12-5MHz-16QAM-23095-25RB#0-PASS

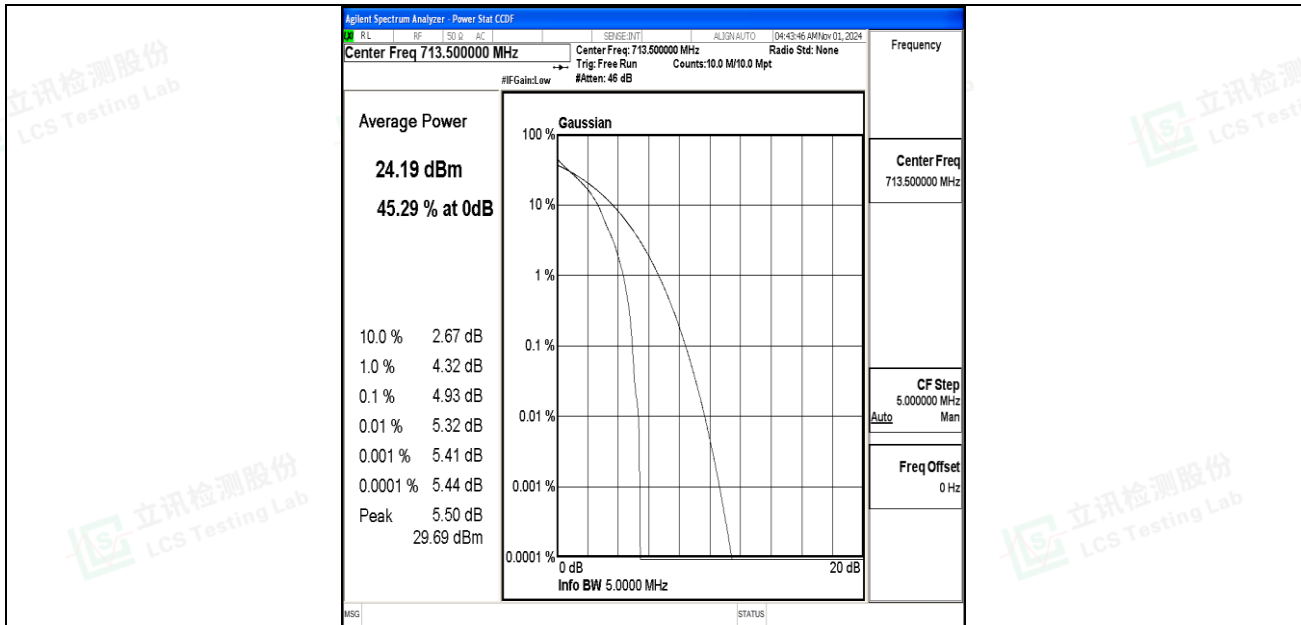


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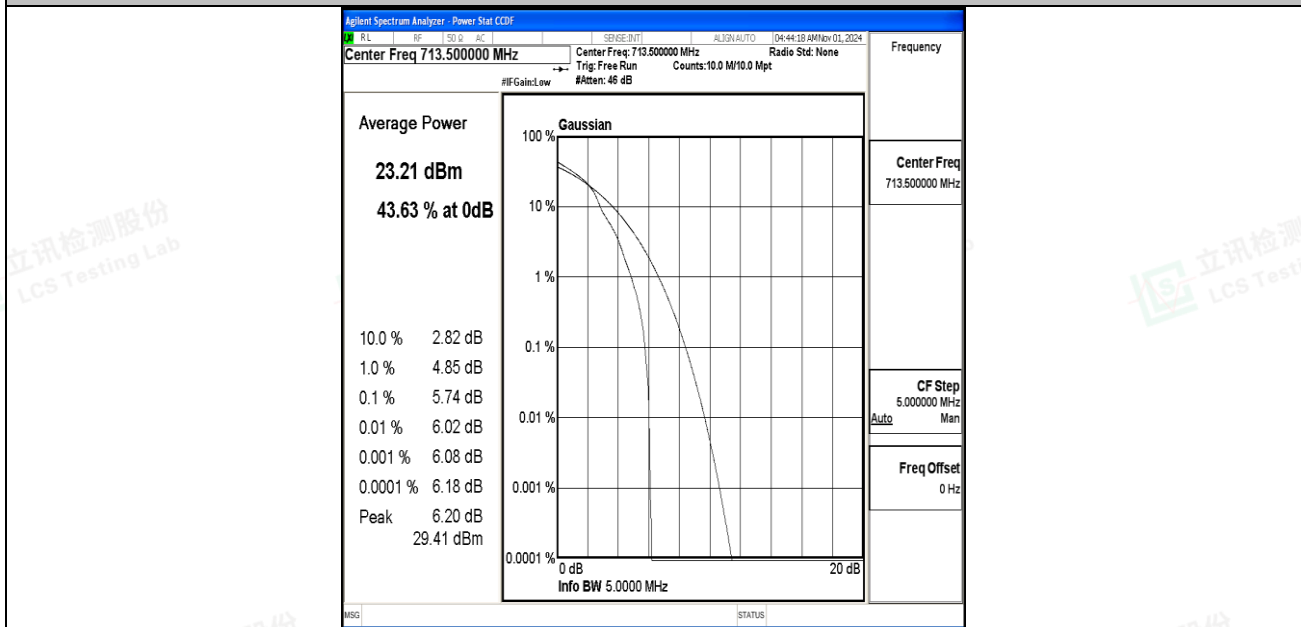
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Band12-5MHz-QPSK-23155-1RB#0-PASS



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

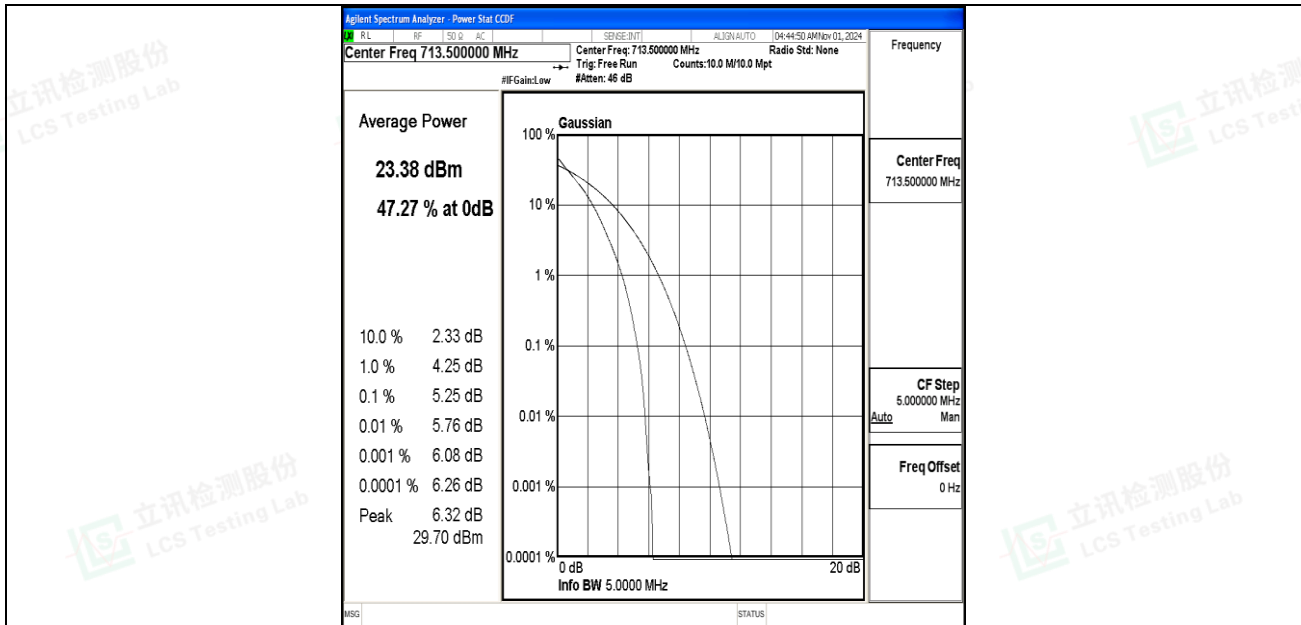


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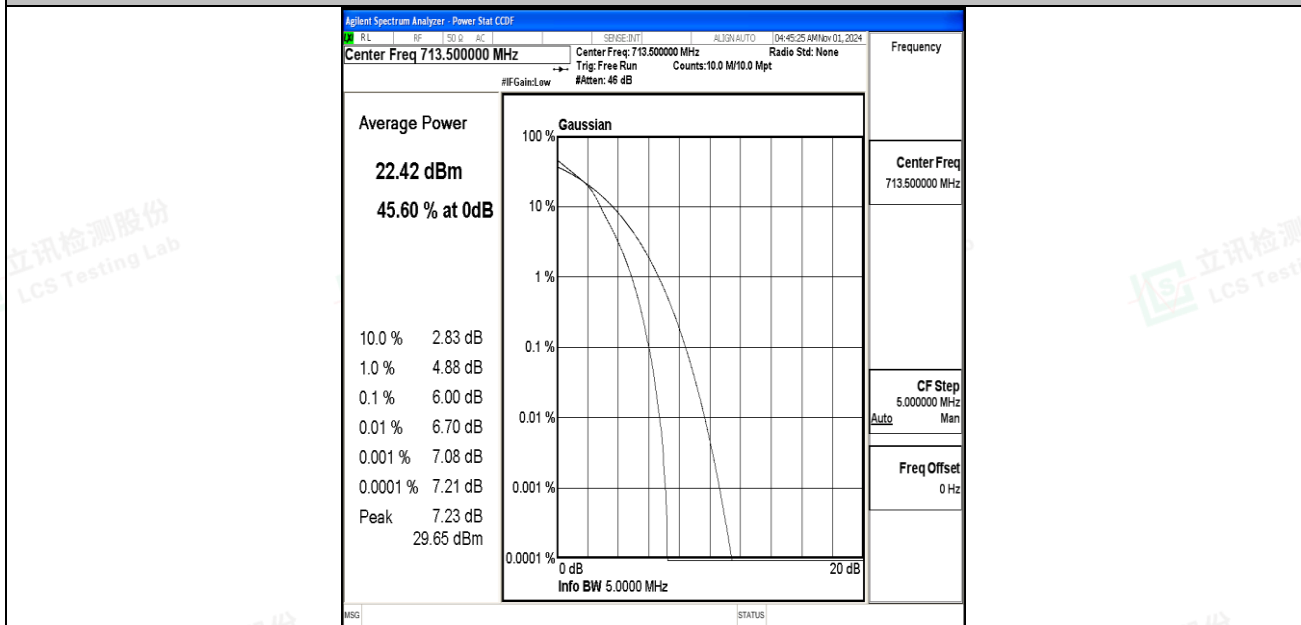
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Band12-5MHz-QPSK-23155-25RB#0-PASS



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

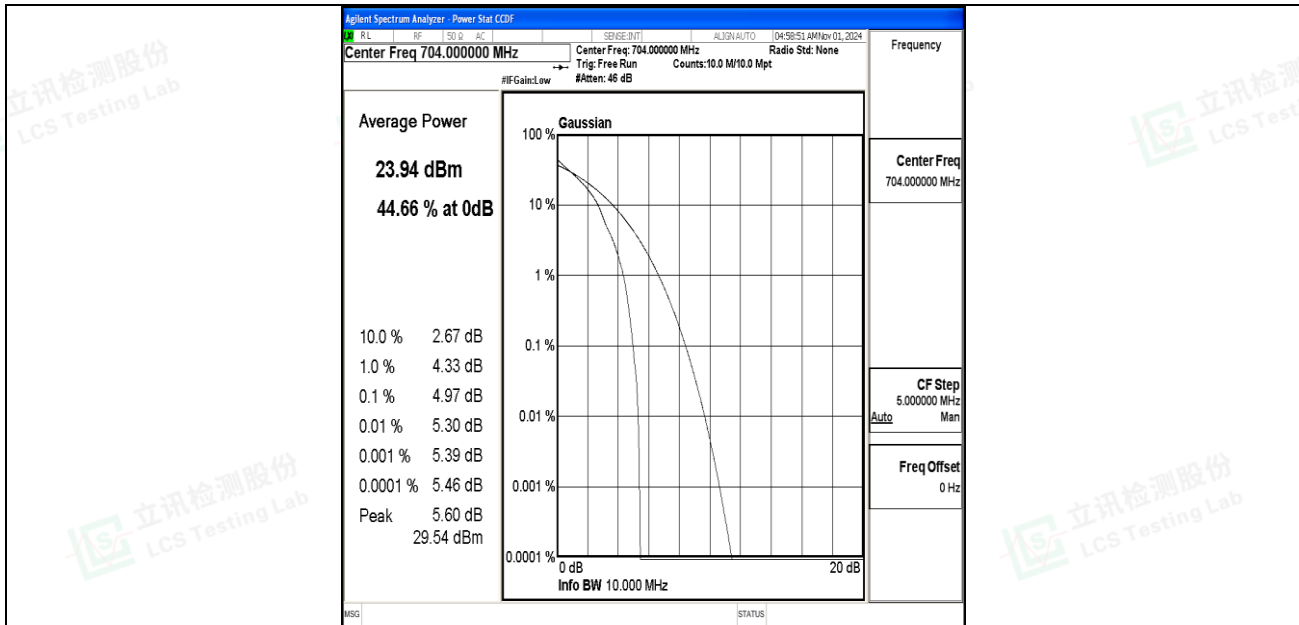


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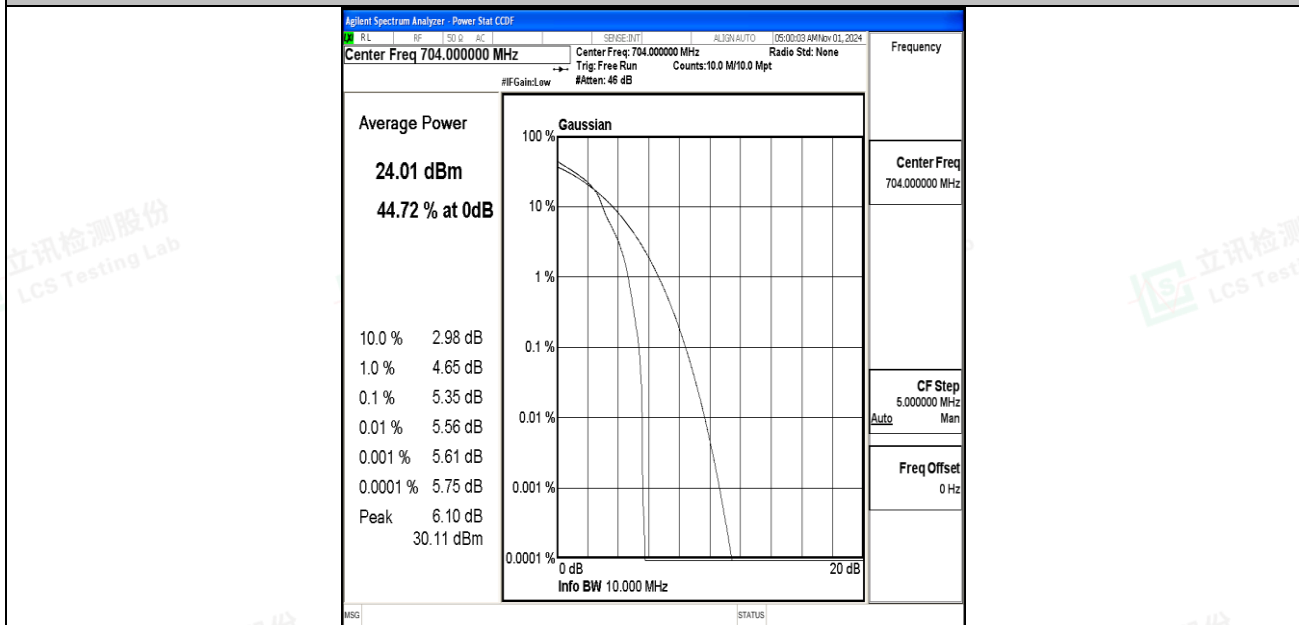
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Band12-10MHz-QPSK-23060-1RB#0-PASS



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

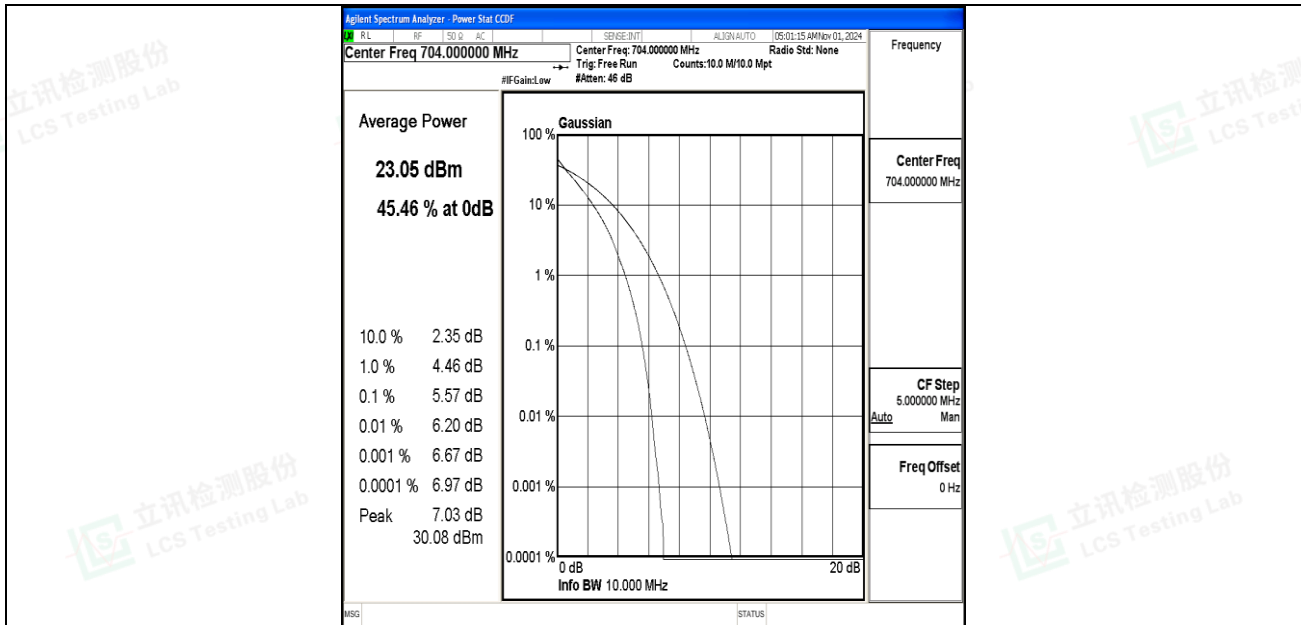


Shenzhen LCS Compliance Testing Laboratory Ltd.

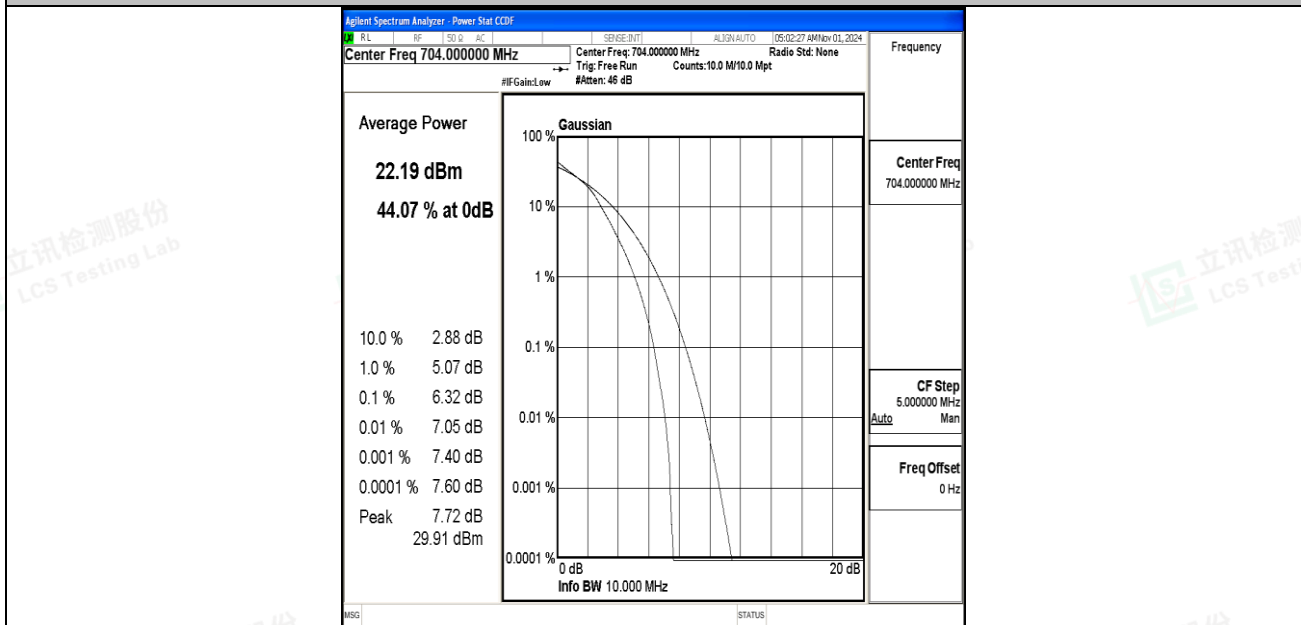
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Band12-10MHz-QPSK-23060-50RB#0-PASS



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

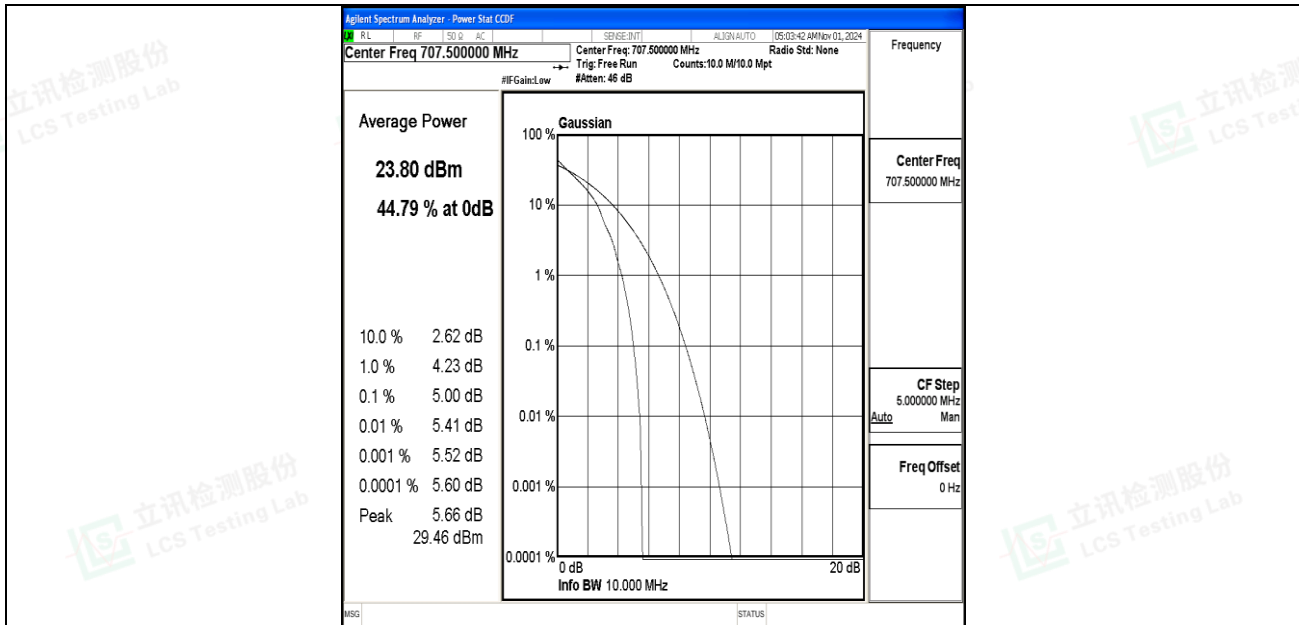


Shenzhen LCS Compliance Testing Laboratory Ltd.

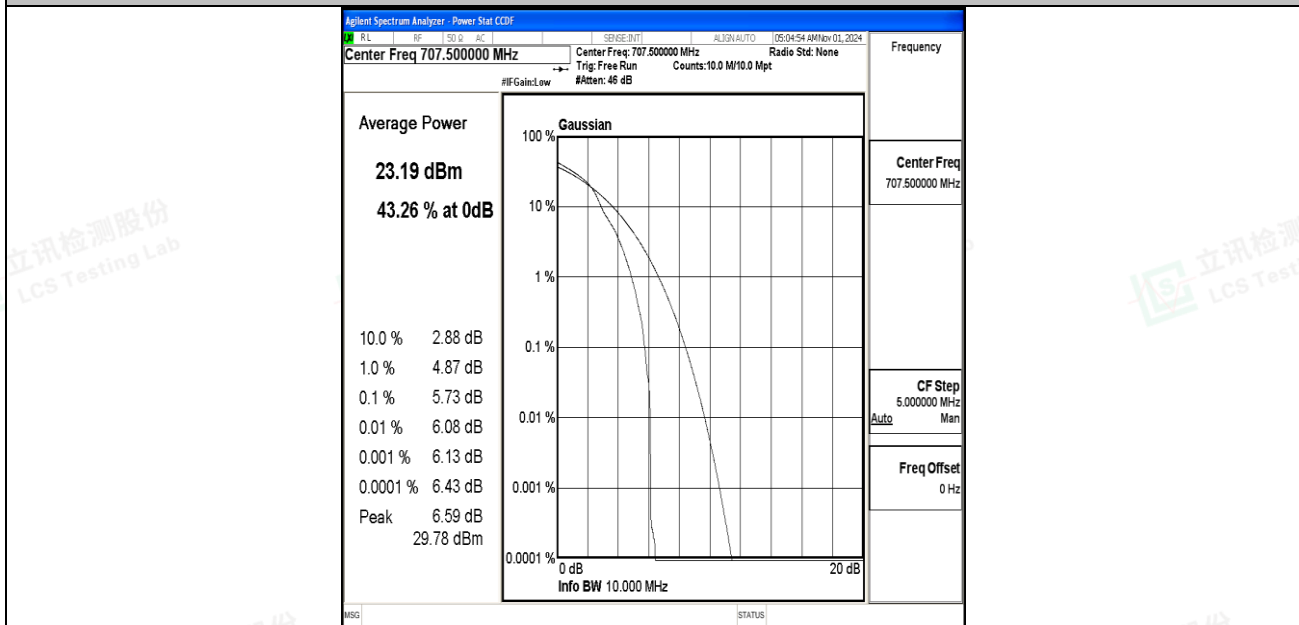
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Band12-10MHz-QPSK-23095-1RB#0-PASS



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

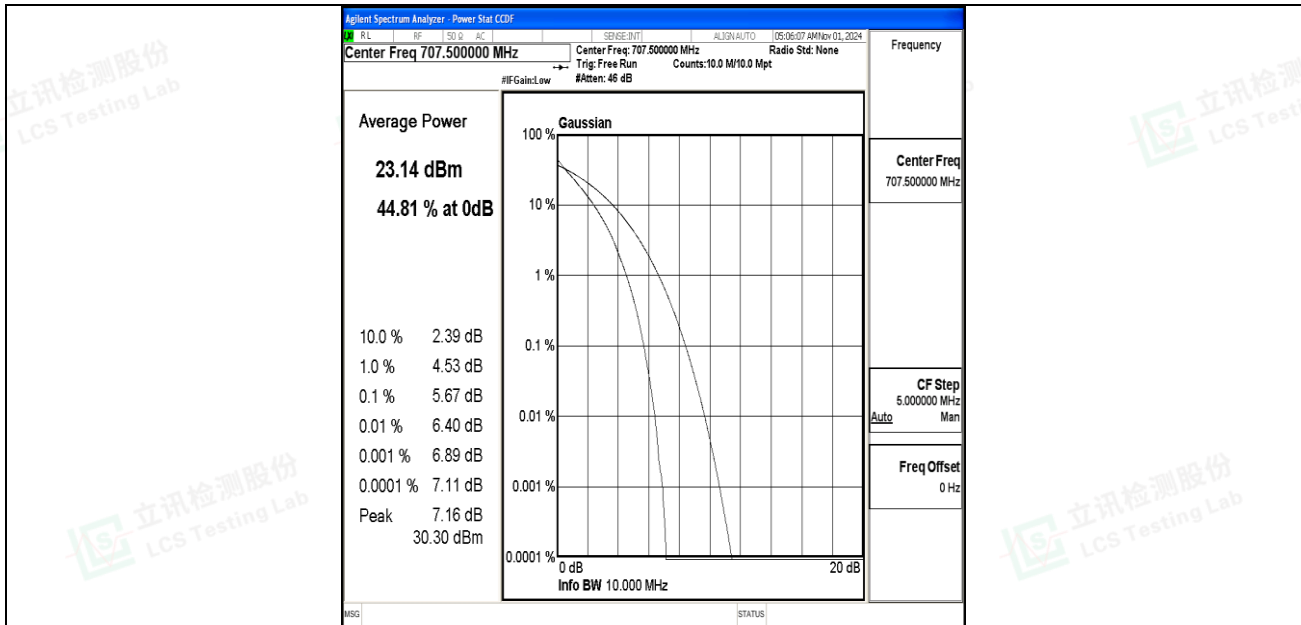


Shenzhen LCS Compliance Testing Laboratory Ltd.

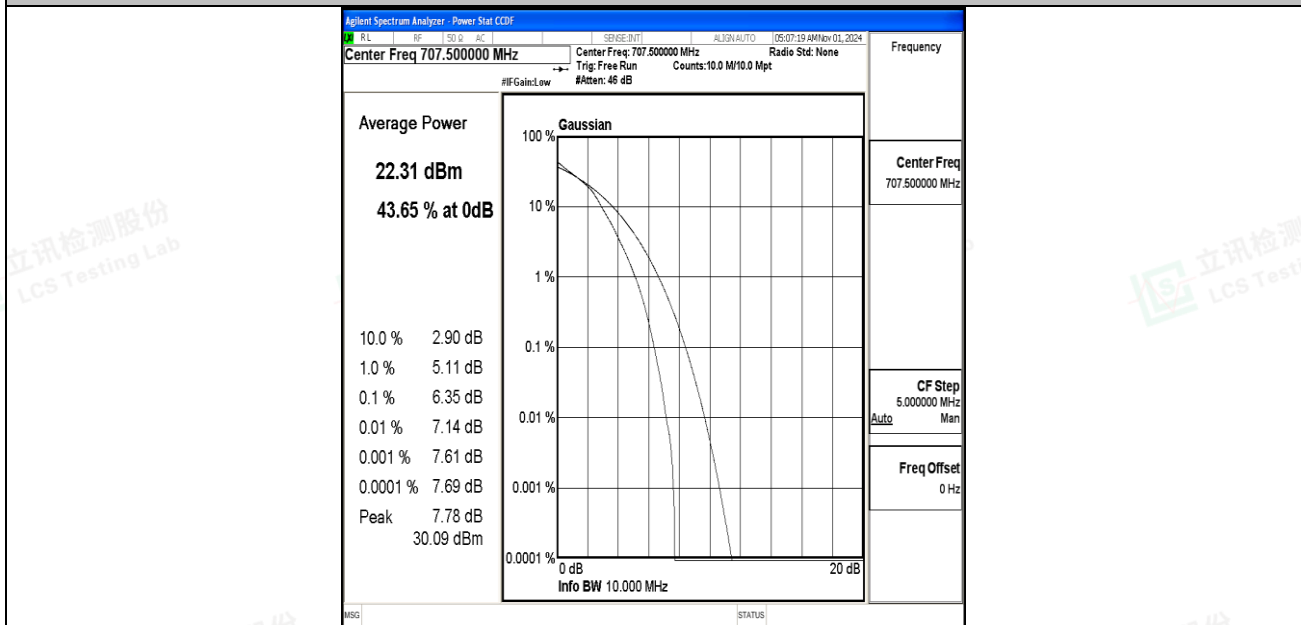
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Band12-10MHz-QPSK-23095-50RB#0-PASS



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

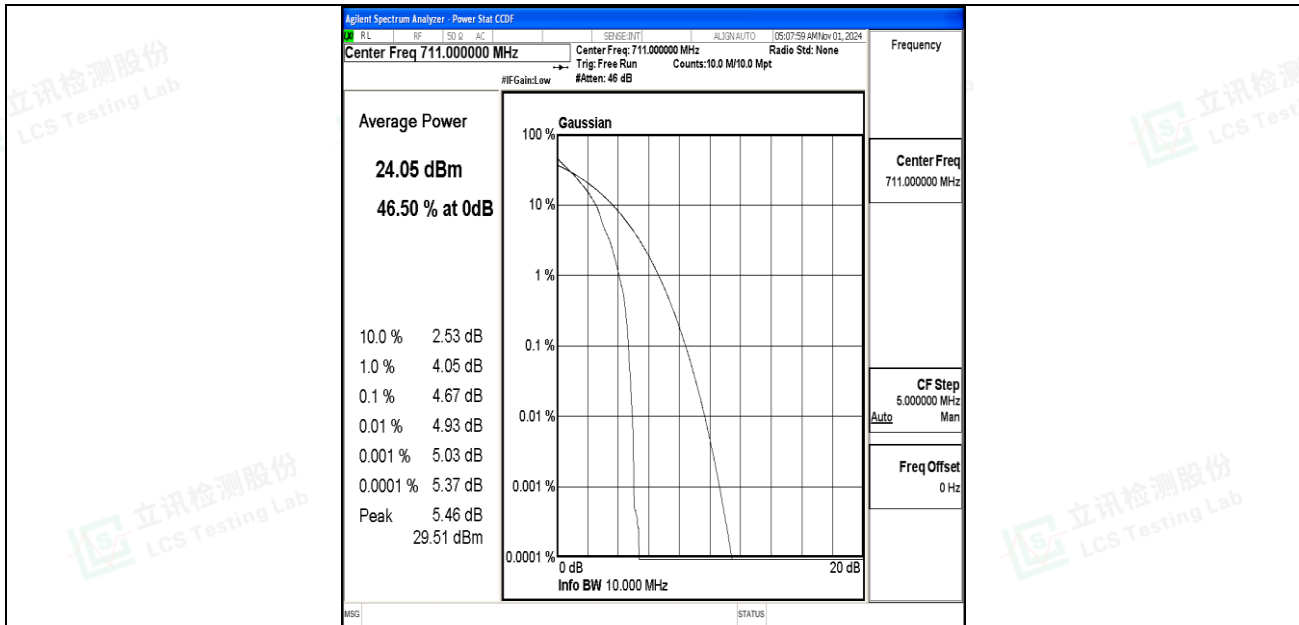


Shenzhen LCS Compliance Testing Laboratory Ltd.

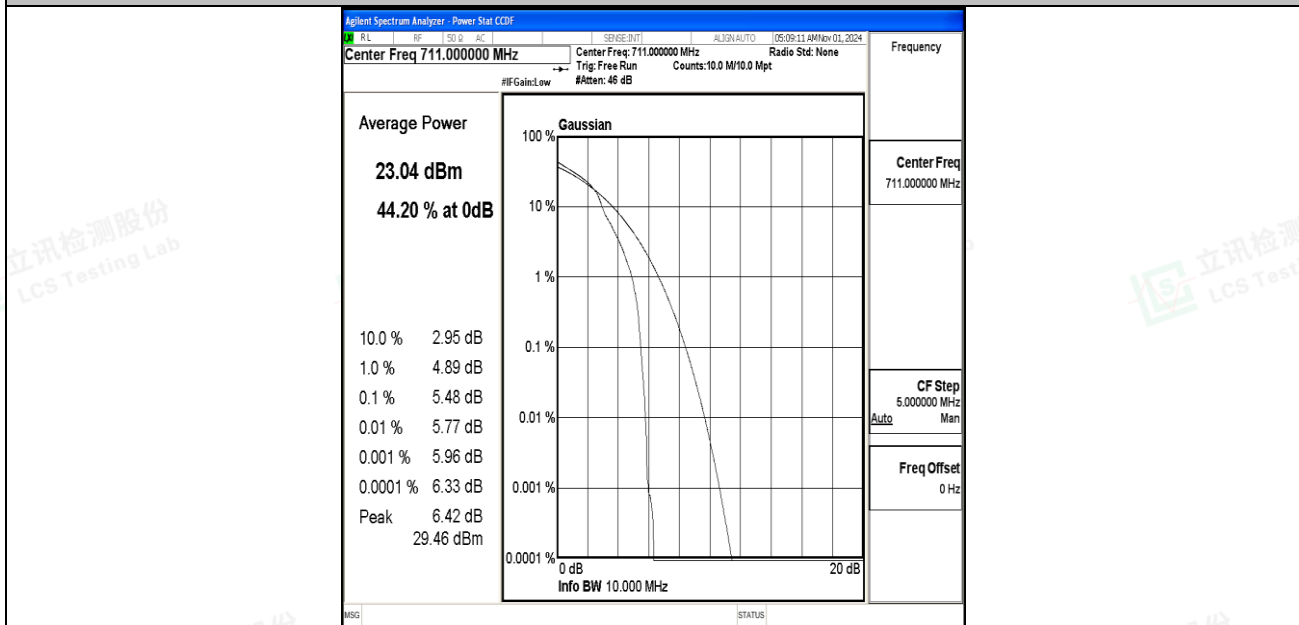
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Band12-10MHz-QPSK-23130-1RB#0-PASS



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

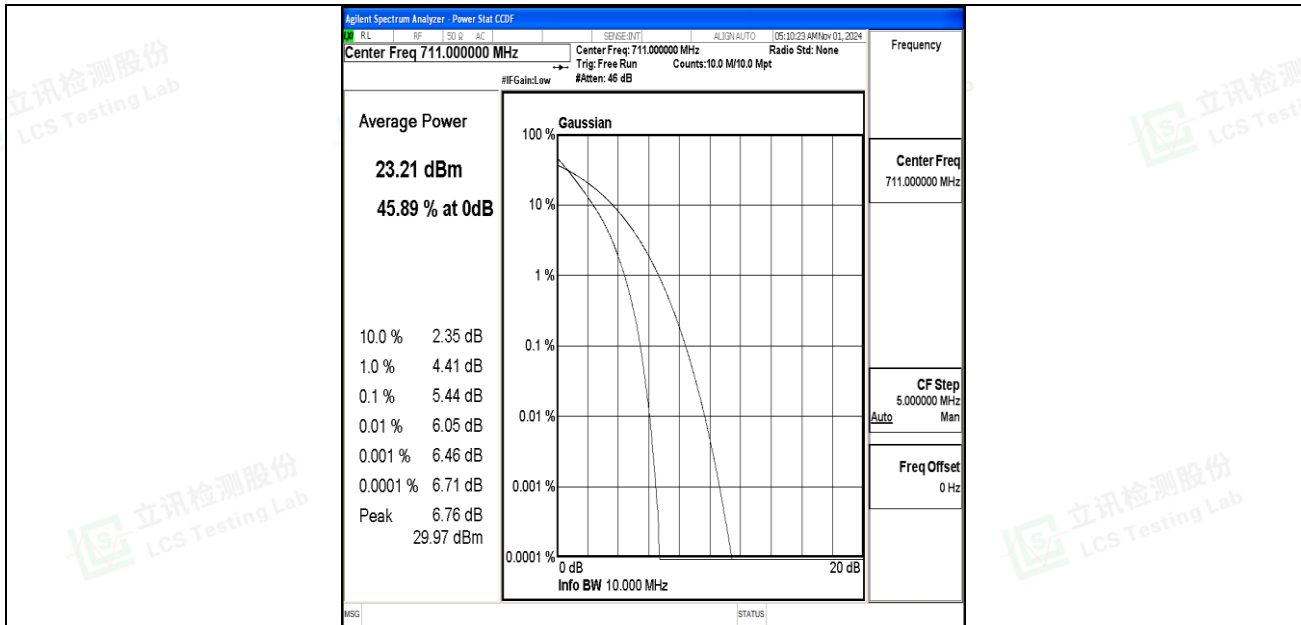


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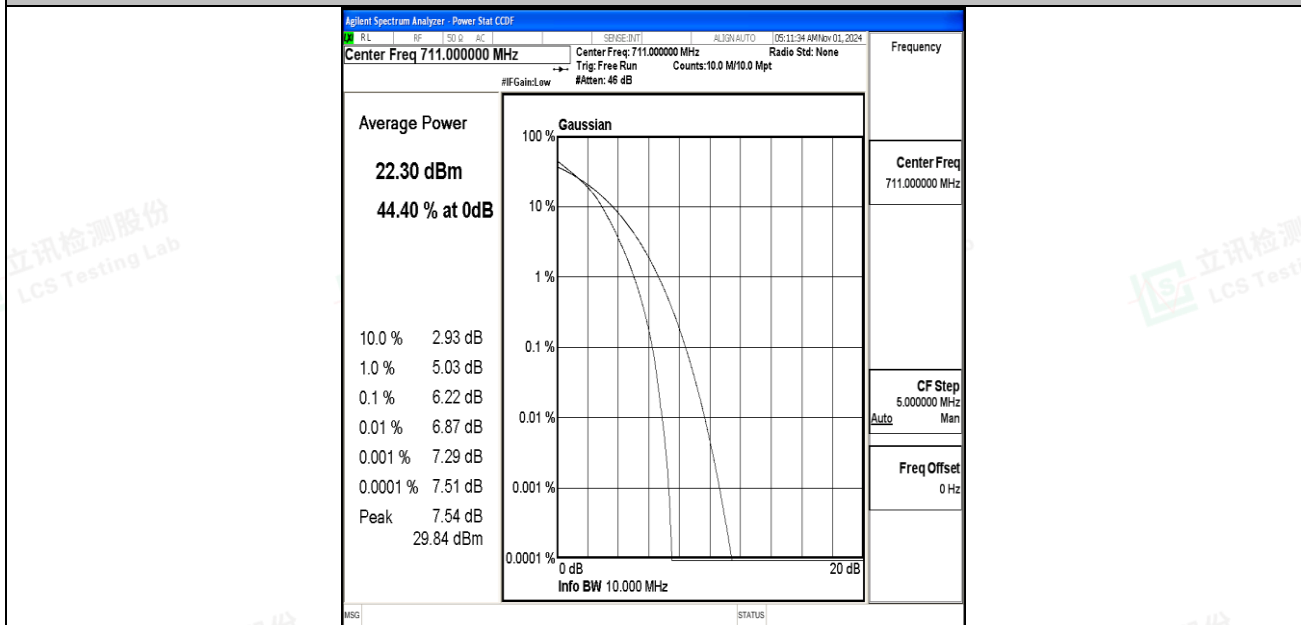
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Band12-10MHz-QPSK-23130-50RB#0-PASS



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



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D.3 26dB Bandwidth and Occupied Bandwidth

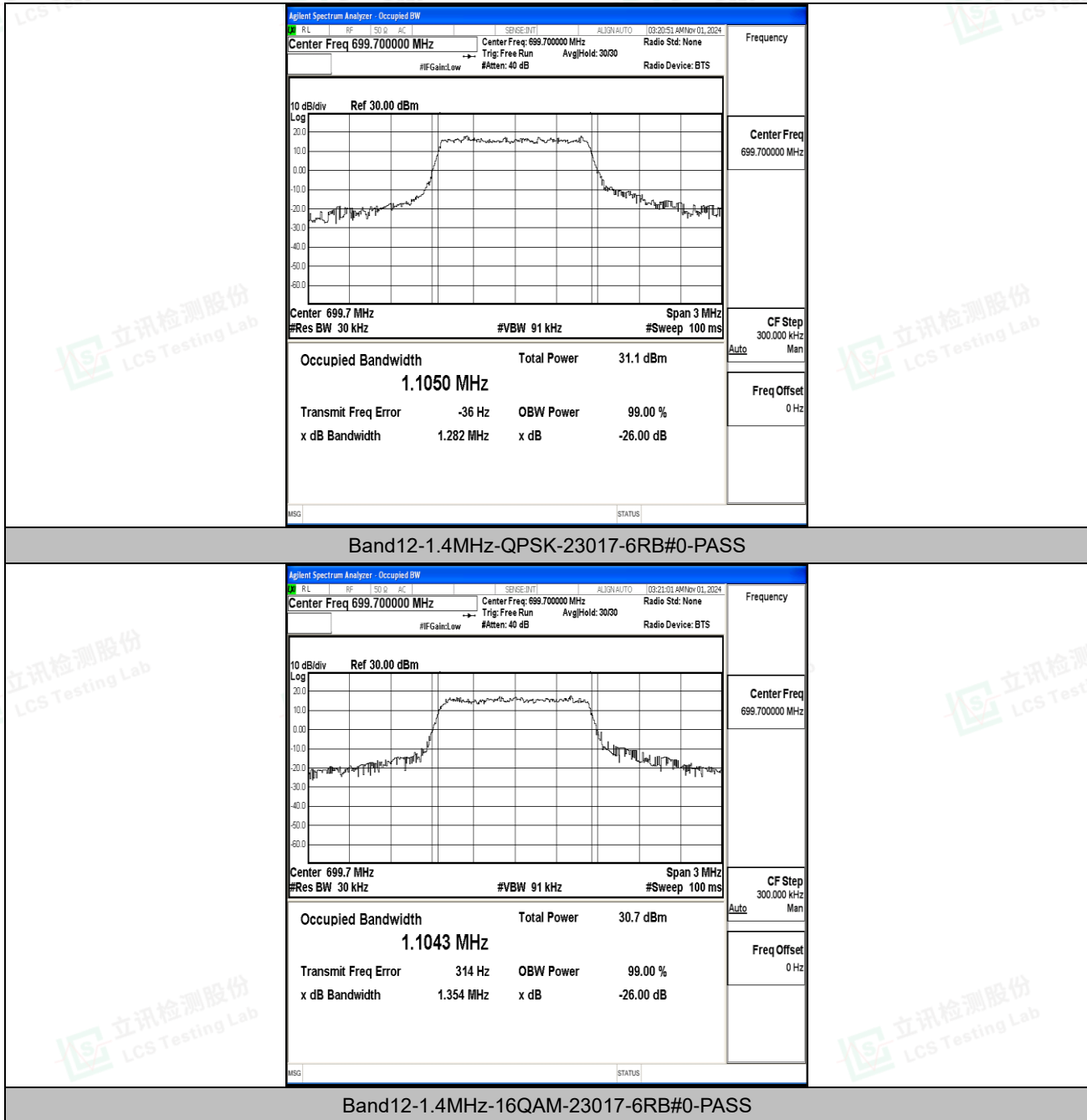
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.1050	1.282	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1043	1.354	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.1005	1.280	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0994	1.381	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0986	1.292	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1097	1.351	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7249	3.126	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7008	3.075	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7075	3.136	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7211	3.277	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7266	3.116	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7098	3.203	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5275	5.281	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5247	5.275	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5273	5.446	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5454	5.412	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5132	5.180	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5424	5.412	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9905	10.12	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9916	10.07	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0224	10.21	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0172	10.60	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9692	10.11	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.0176	10.11	PASS





Test Graphs

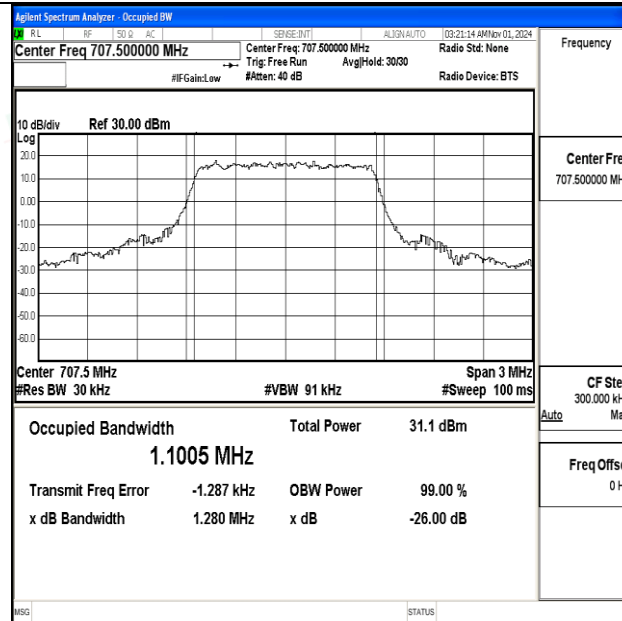


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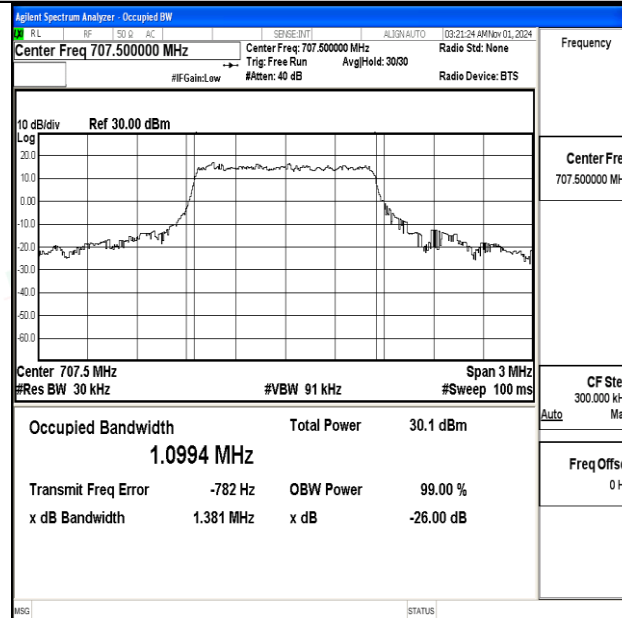
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Band12-1.4MHz-QPSK-23095-6RB#0-PASS



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

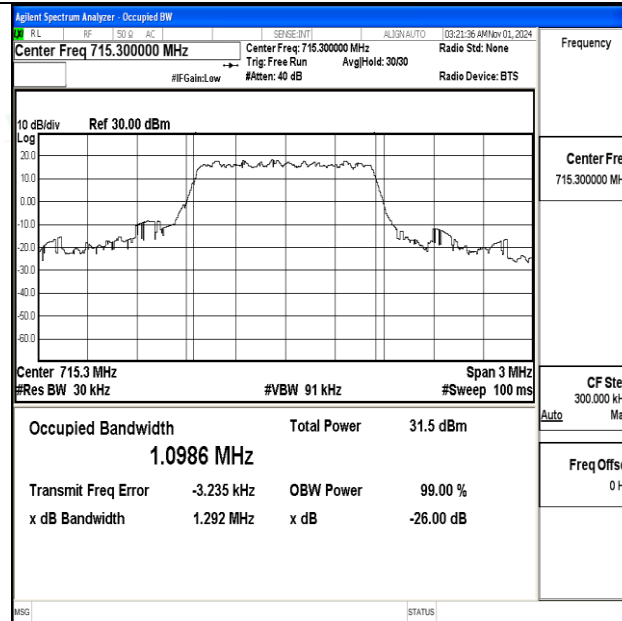


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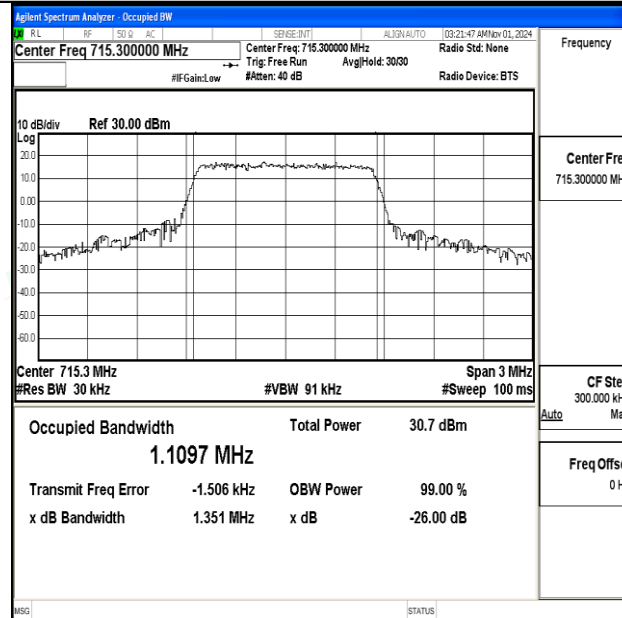
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Band12-1.4MHz-QPSK-23173-6RB#0-PASS



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

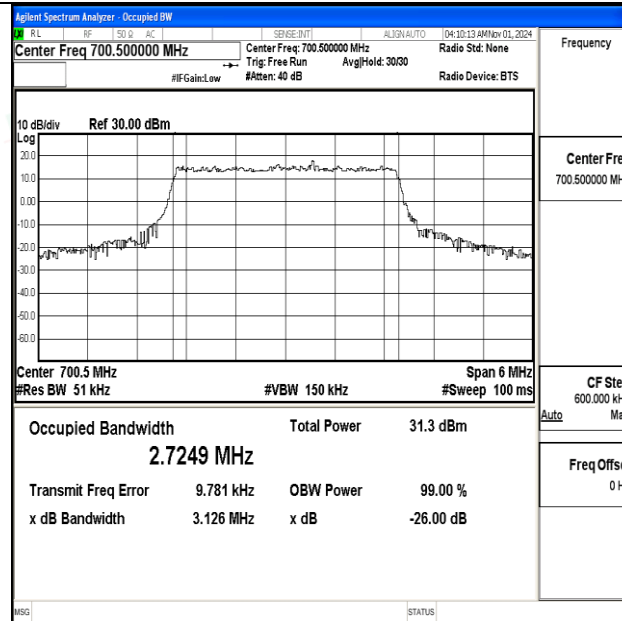


Shenzhen LCS Compliance Testing Laboratory Ltd.

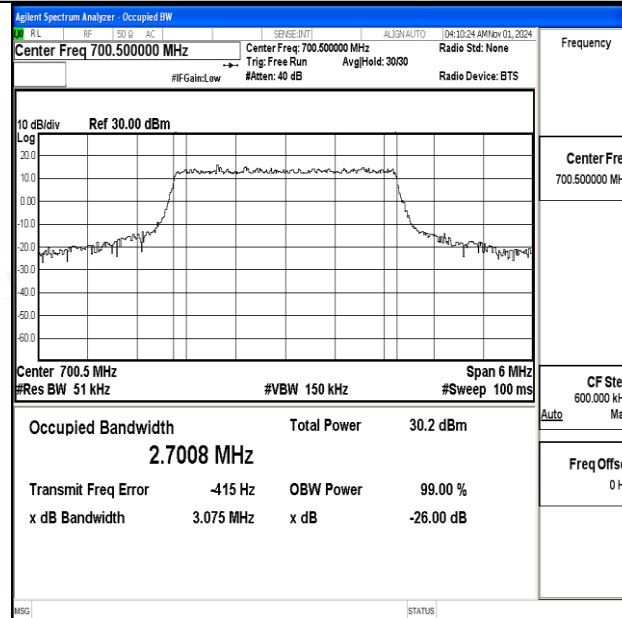
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Band12-3MHz-QPSK-23025-15RB#0-PASS



Band12-3MHz-16QAM-23025-15RB#0-PASS

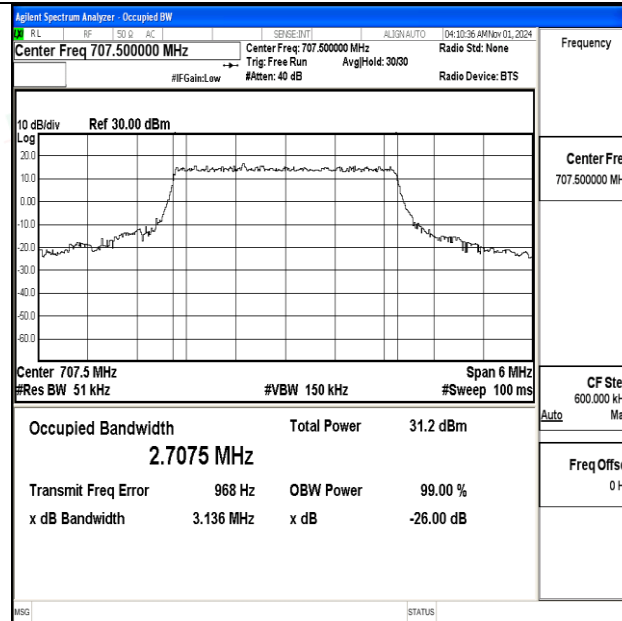


Shenzhen LCS Compliance Testing Laboratory Ltd.

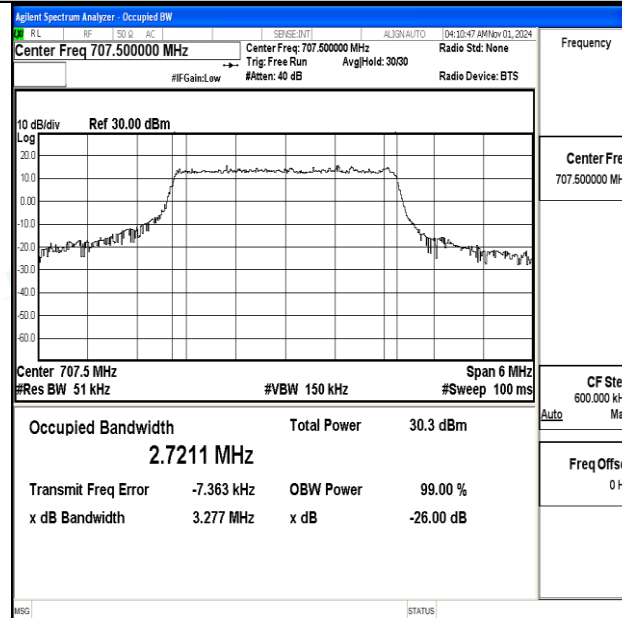
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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



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

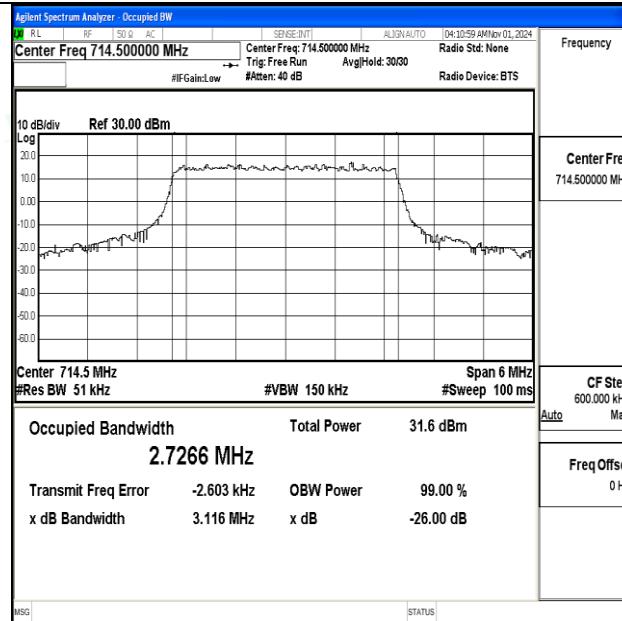


Shenzhen LCS Compliance Testing Laboratory Ltd.

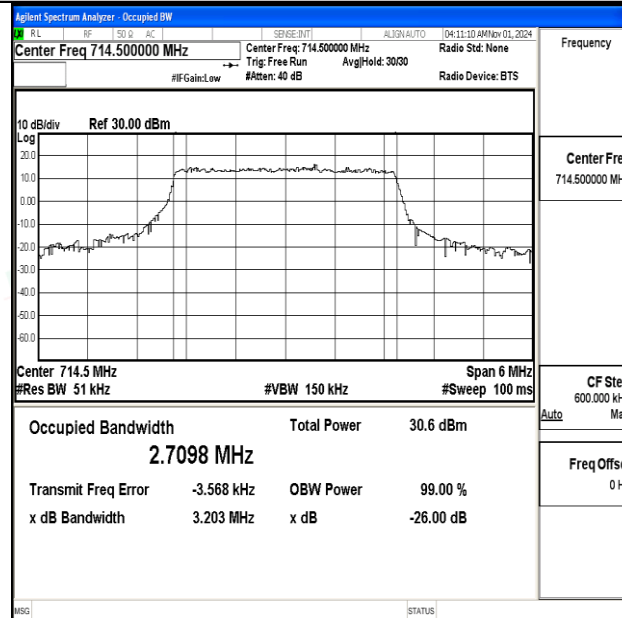
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Band12-3MHz-QPSK-23165-15RB#0-PASS



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

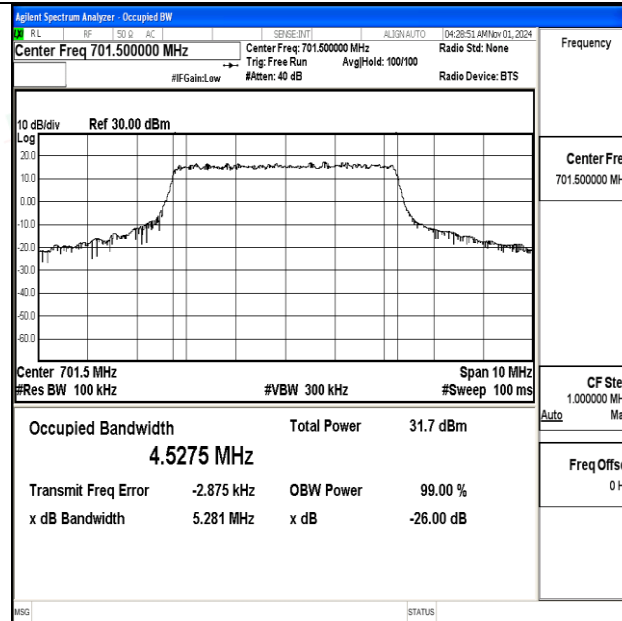


Shenzhen LCS Compliance Testing Laboratory Ltd.

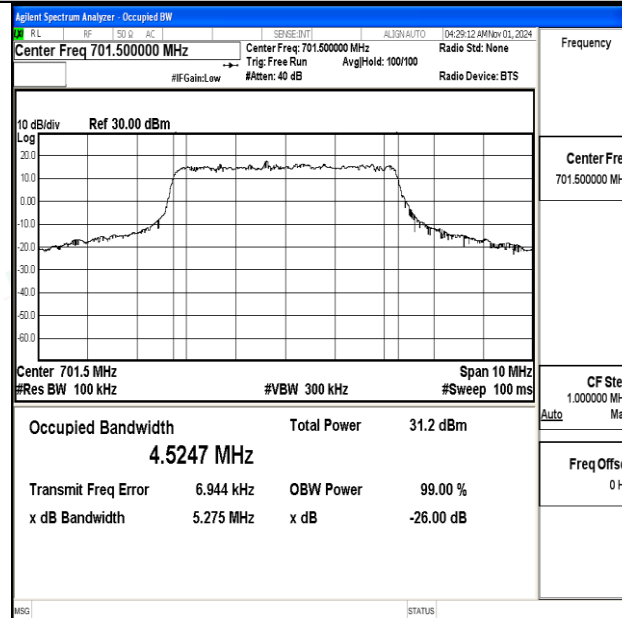
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Band12-5MHz-QPSK-23035-25RB#0-PASS



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

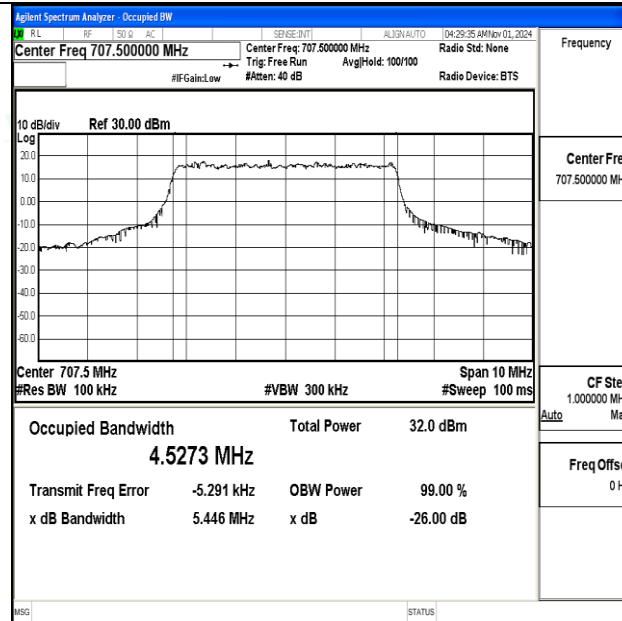


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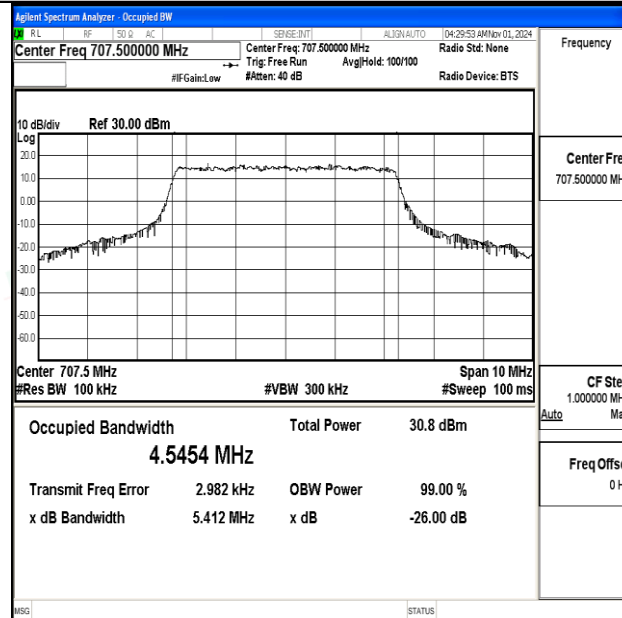
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Band12-5MHz-QPSK-23095-25RB#0-PASS



Band12-5MHz-16QAM-23095-25RB#0-PASS

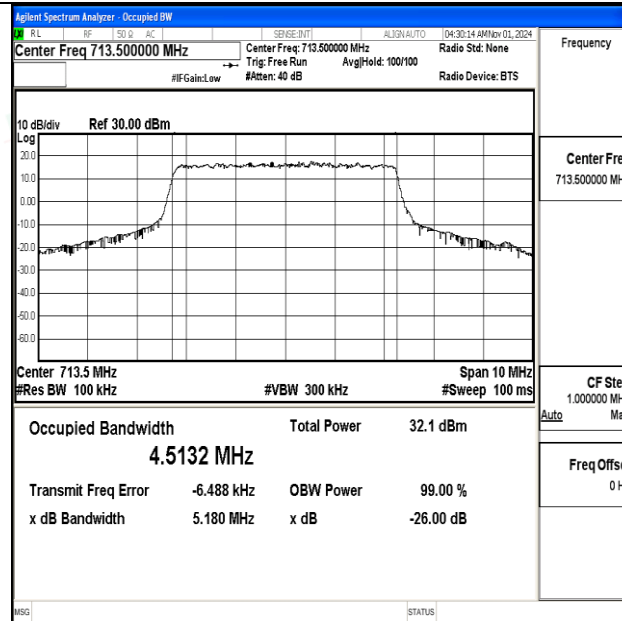


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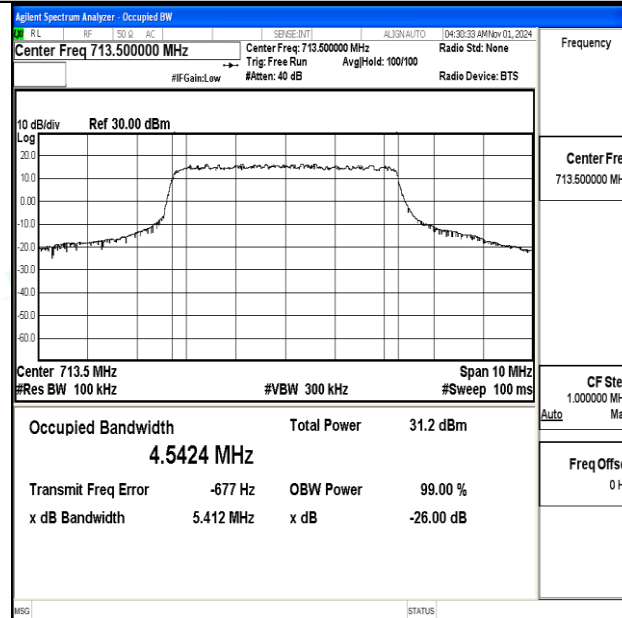
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Band12-5MHz-QPSK-23155-25RB#0-PASS



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

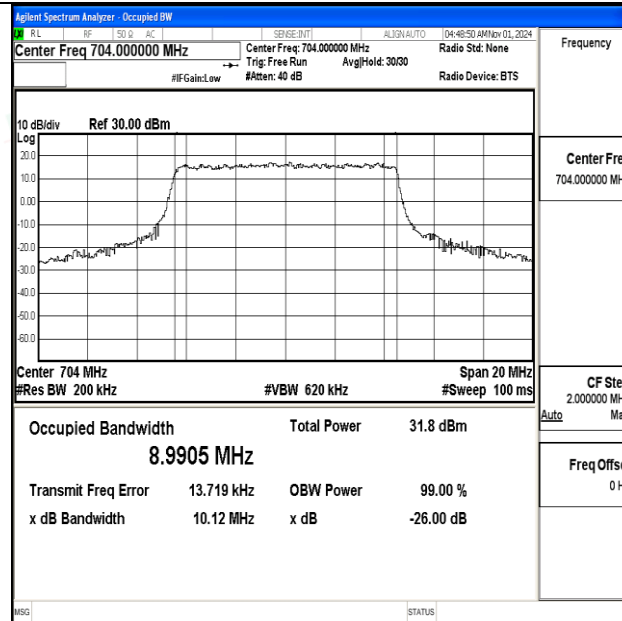


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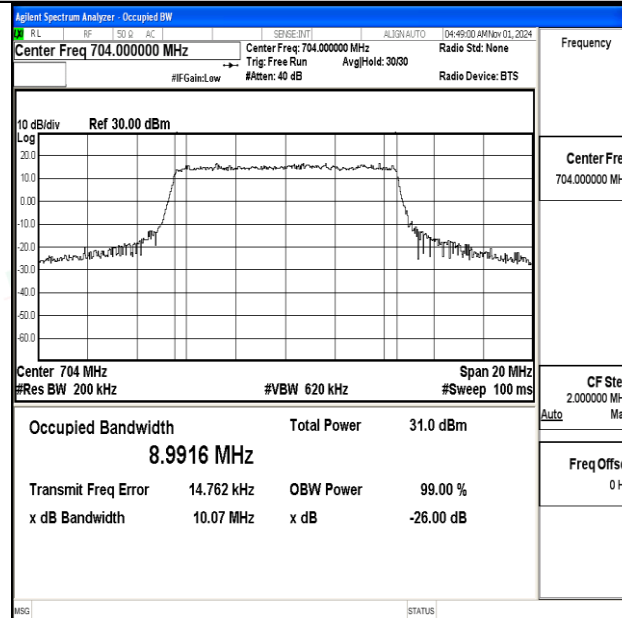
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Band12-10MHz-QPSK-23060-50RB#0-PASS



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

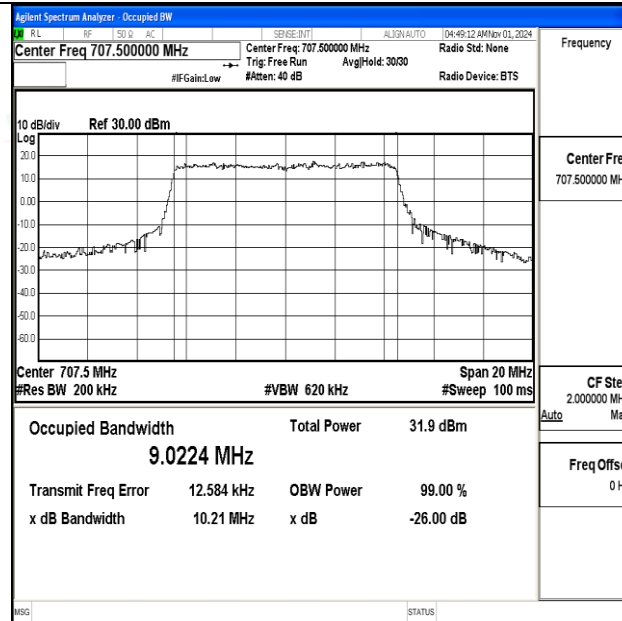


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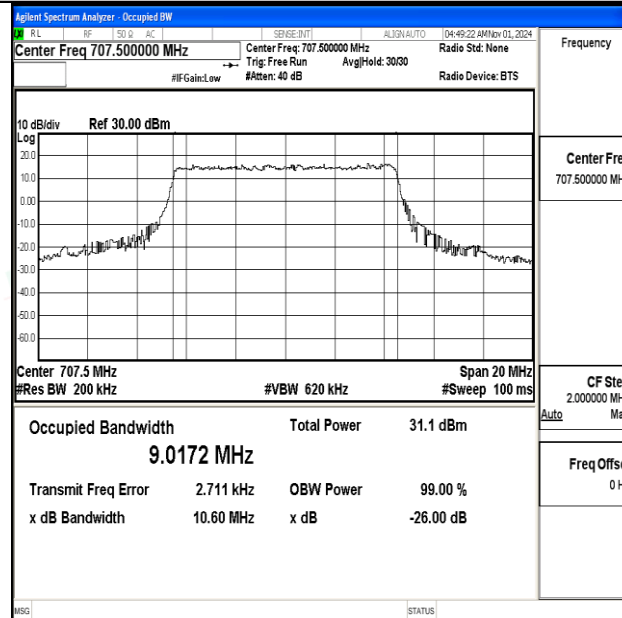
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Band12-10MHz-QPSK-23095-50RB#0-PASS



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

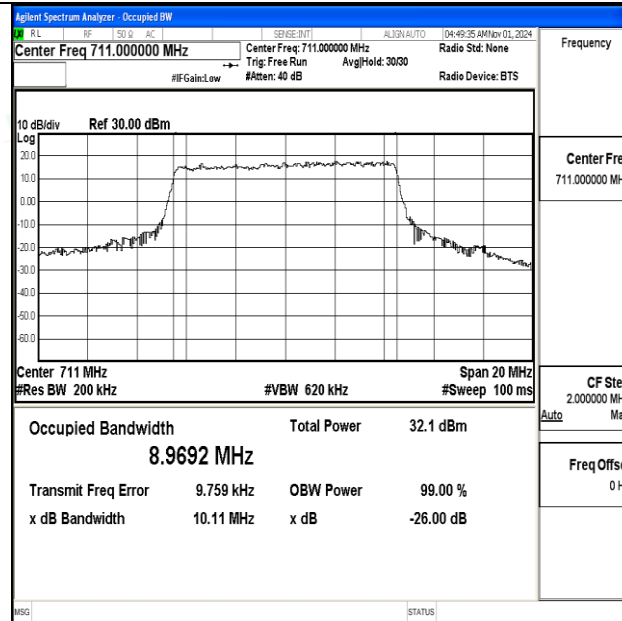


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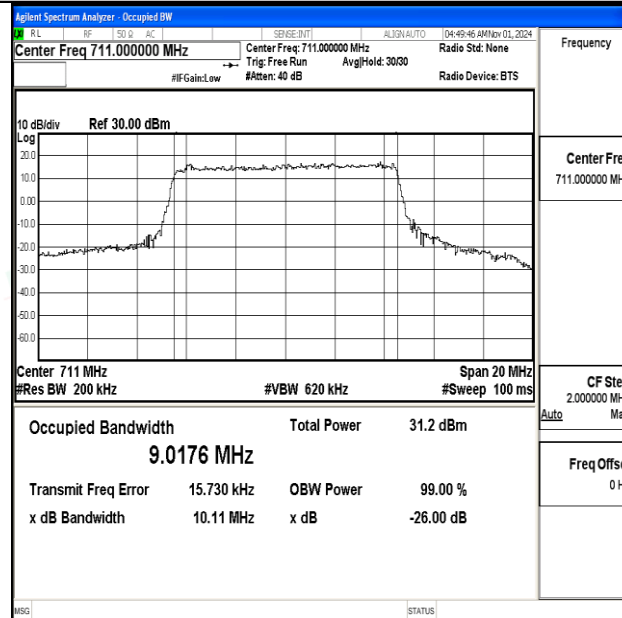
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Band12-10MHz-QPSK-23130-50RB#0-PASS



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



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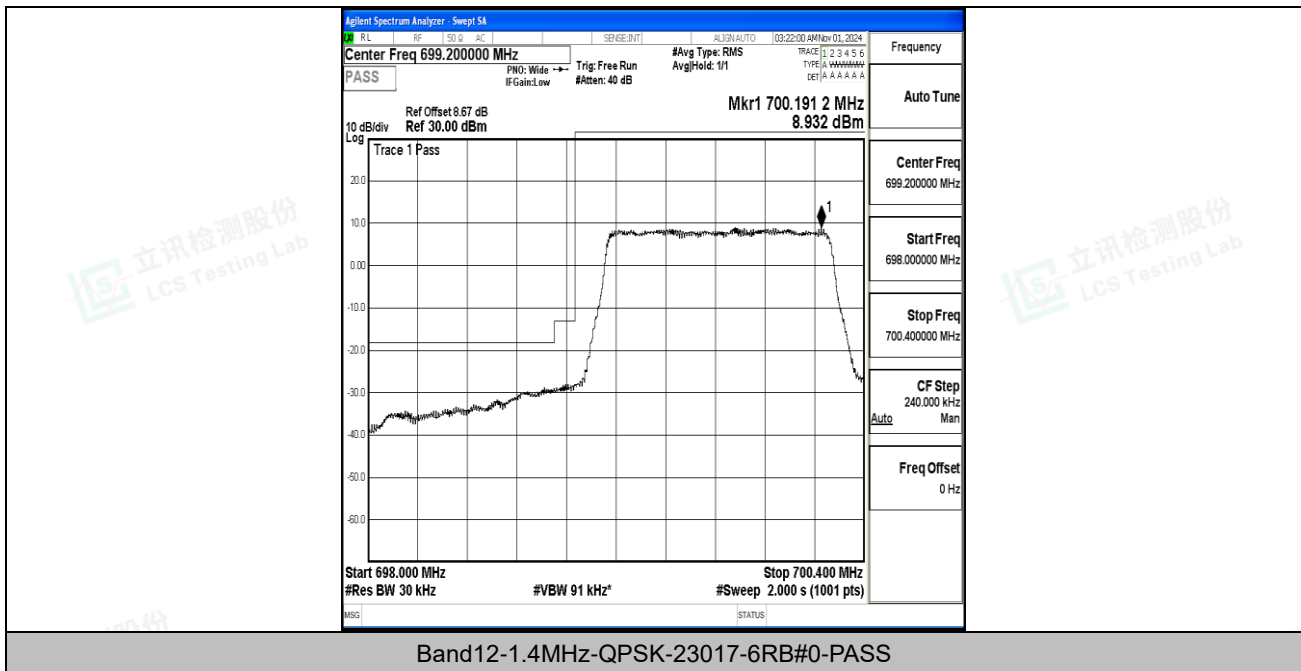


D.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.00	-39.04	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.00	-39.53	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	714.60	-25.41	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	714.60	-28.57	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.00	-37.08	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.00	-36.91	PASS
Band12	3MHz	QPSK	23165	15RB#0	713.01	-21.83	PASS
Band12	3MHz	16QAM	23165	15RB#0	713.01	-22.08	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.00	-38.08	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.00	-37.91	PASS
Band12	5MHz	QPSK	23155	25RB#0	711.01	-31.32	PASS
Band12	5MHz	16QAM	23155	25RB#0	711.01	-34.16	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.00	-40.07	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.00	-40.73	PASS
Band12	10MHz	QPSK	23130	50RB#0	706.02	-36.15	PASS
Band12	10MHz	16QAM	23130	50RB#0	706.02	-36.80	PASS

Test Graphs

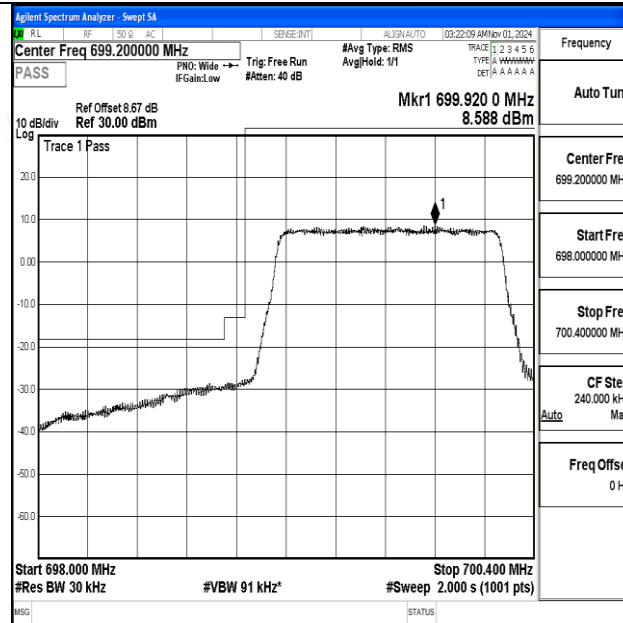


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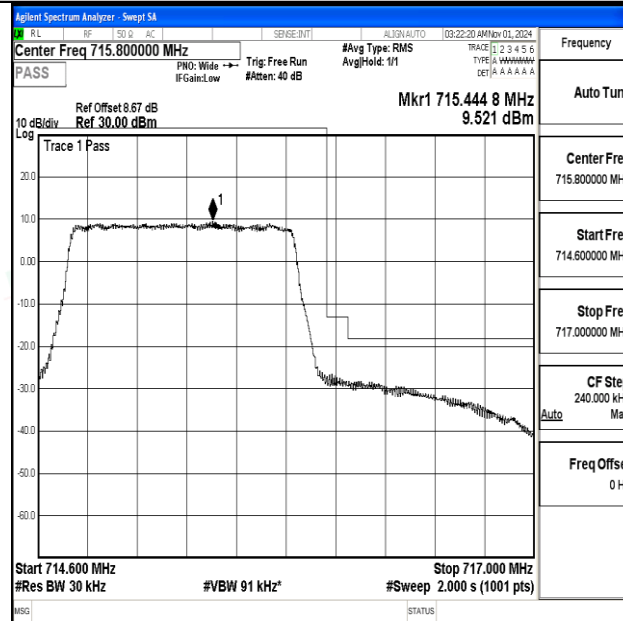
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Band12-1.4MHz-16QAM-23017-6RB#0-PASS



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

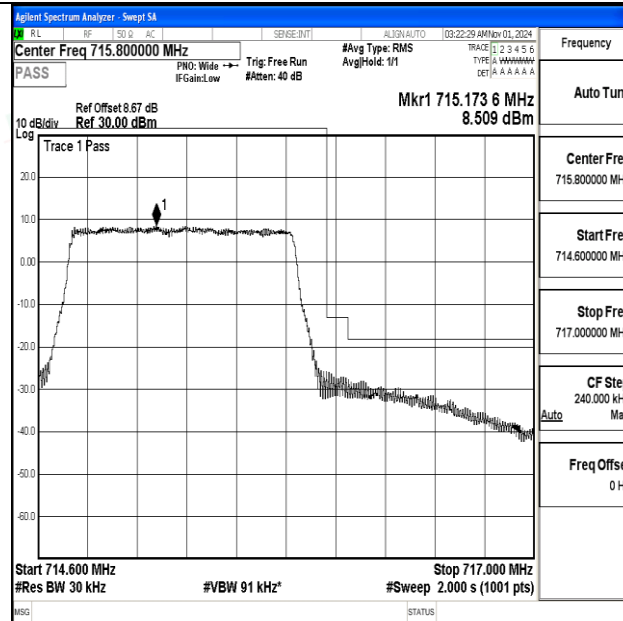


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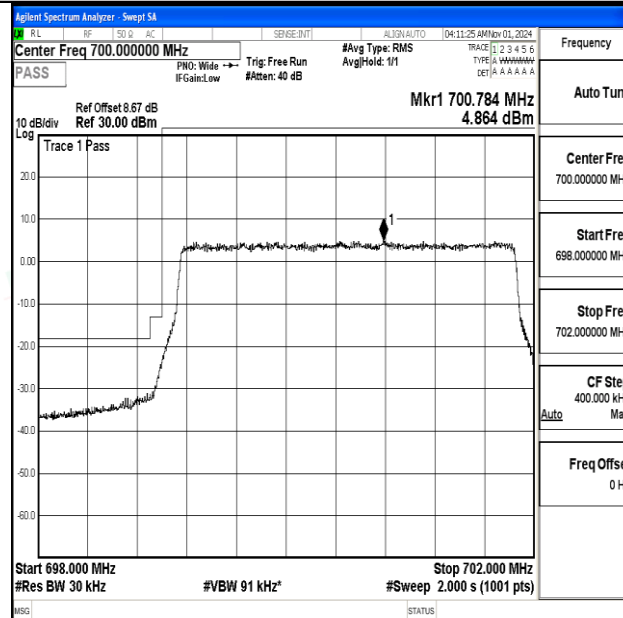
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Band12-1.4MHz-16QAM-23173-6RB#0-PASS



Band12-3MHz-QPSK-23025-15RB#0-PASS

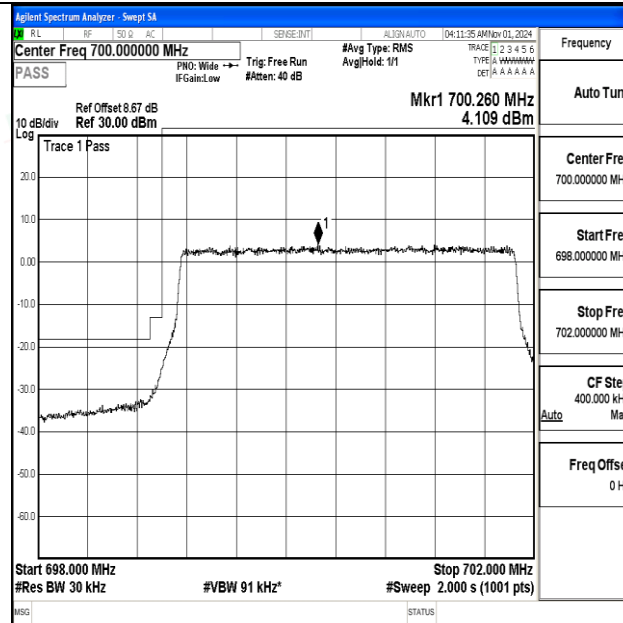


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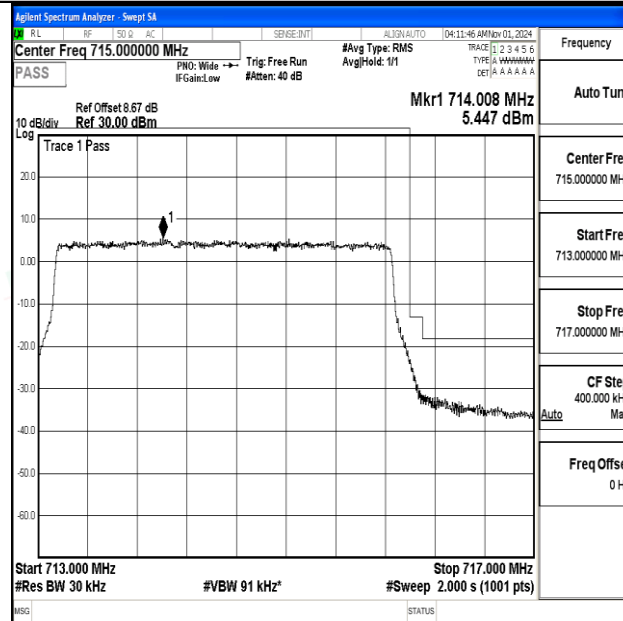
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Band12-3MHz-16QAM-23025-15RB#0-PASS



Band12-3MHz-QPSK-23165-15RB#0-PASS

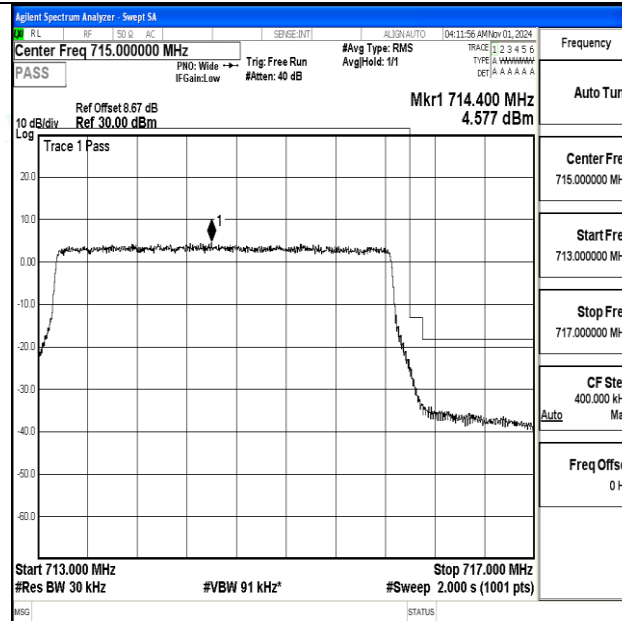


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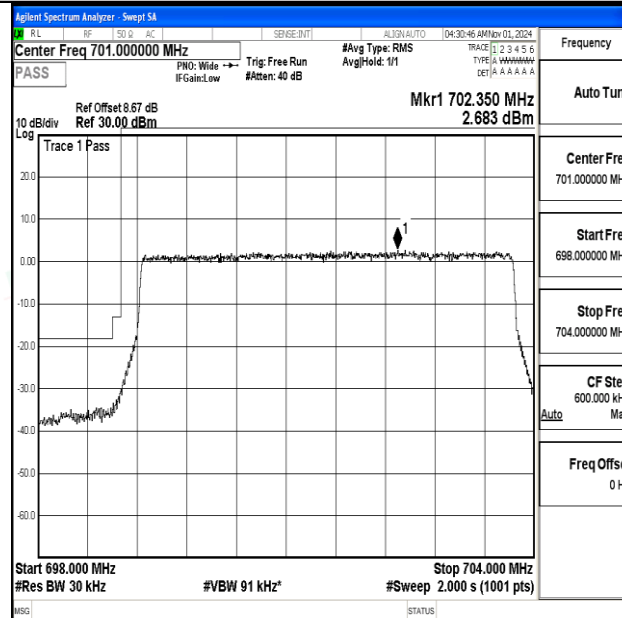
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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



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

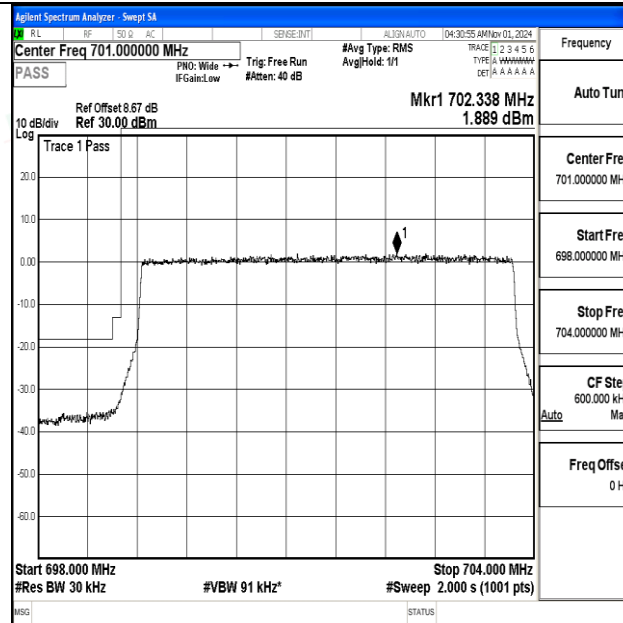


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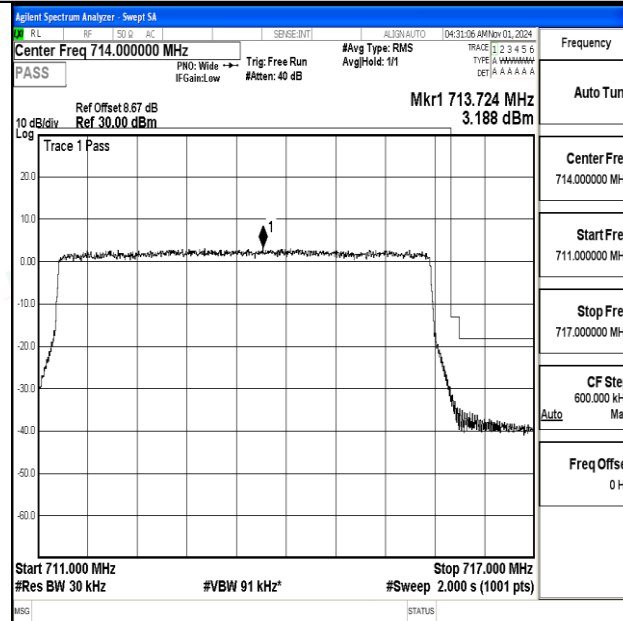
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Band12-5MHz-16QAM-23035-25RB#0-PASS



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

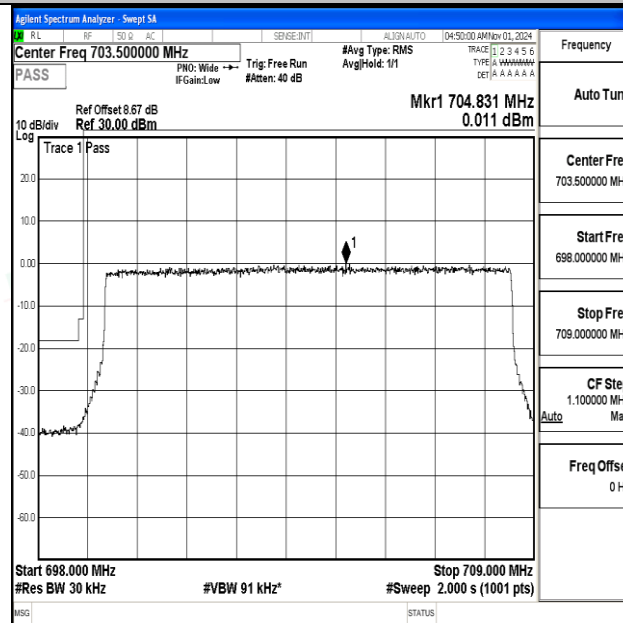
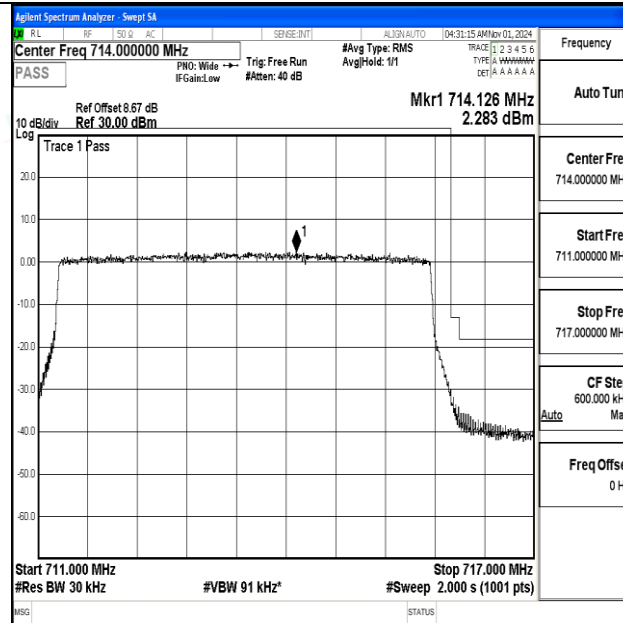


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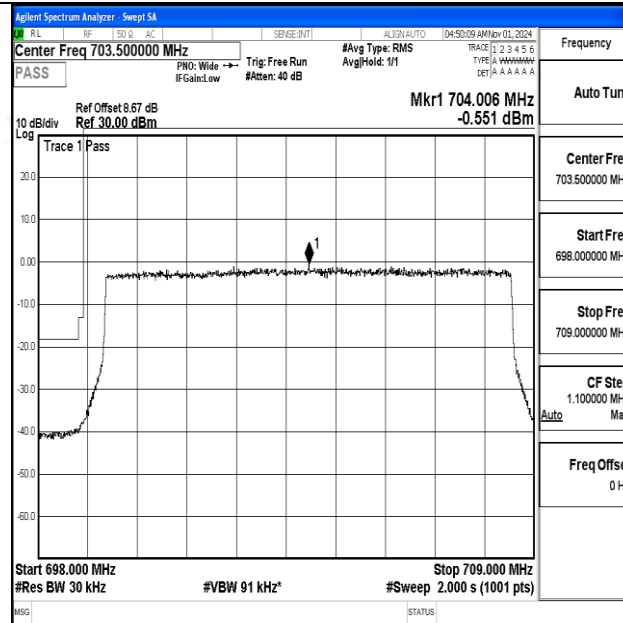


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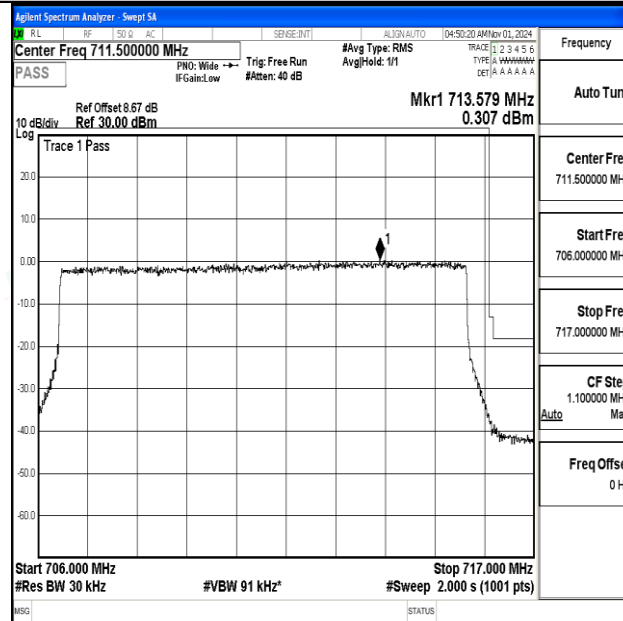
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Band12-10MHz-16QAM-23060-50RB#0-PASS



Band12-10MHz-QPSK-23130-50RB#0-PASS

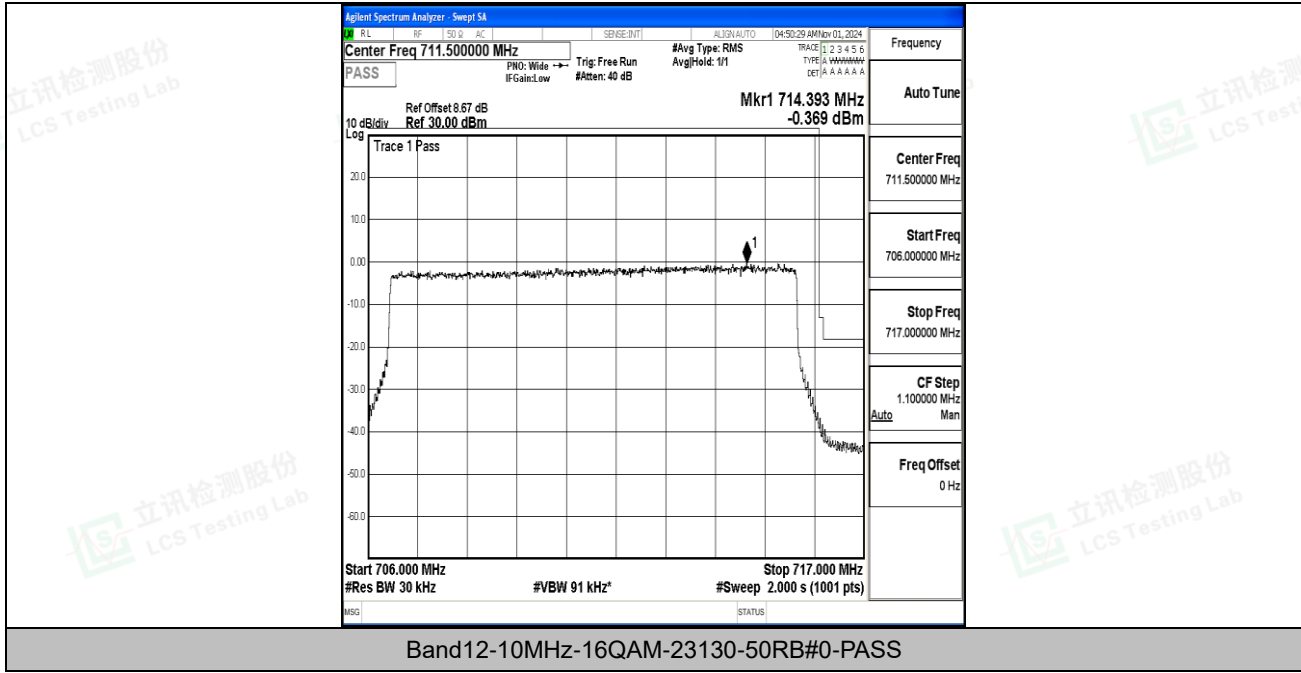


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D.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-54.04	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-62.95	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-43.89	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-42.52	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-46.59	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-51.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-63.25	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-44.98	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-42.11	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-46.94	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-53.62	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-62.33	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-45.85	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-43.33	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-46.46	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-52.28	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-64.20	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-47.66	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-44.74	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-46.74	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-52.38	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-60.90	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-46.67	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-44.15	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-46.54	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-52.08	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-62.05	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-46.08	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-42.45	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-46.65	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-48.98	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-61.89	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-47.85	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-44.12	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-45.82	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-52.87	PASS



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Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-62.09	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-50.80	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-43.24	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-46.69	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-50.44	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-63.41	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-50.19	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-44.07	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-46.62	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-54.04	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-62.97	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-47.29	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-44.64	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-46.71	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-49.31	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-61.20	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-50.19	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-44.03	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-46.40	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-53.10	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-62.70	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-49.90	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-43.64	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-46.93	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-51.84	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-61.16	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-56.24	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-44.21	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-46.71	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-50.72	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-63.10	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-55.58	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-44.87	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-46.81	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-54.07	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-62.36	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-58.82	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-44.54	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-46.73	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-53.29	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-61.93	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-59.26	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-44.05	PASS



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Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-46.69	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-49.66	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-63.09	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-57.41	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-44.54	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-46.68	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-53.50	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-61.64	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-57.38	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-44.79	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-46.88	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-53.37	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-65.38	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-59.59	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-43.90	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-46.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-52.37	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-60.31	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-59.42	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-43.04	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-46.62	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-50.63	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-62.33	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-59.63	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-44.39	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-46.86	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-54.26	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-62.73	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-59.70	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-44.59	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-46.38	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-52.35	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-61.08	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-59.74	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-44.51	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-46.52	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-48.45	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-60.33	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-59.60	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-44.66	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-46.72	PASS



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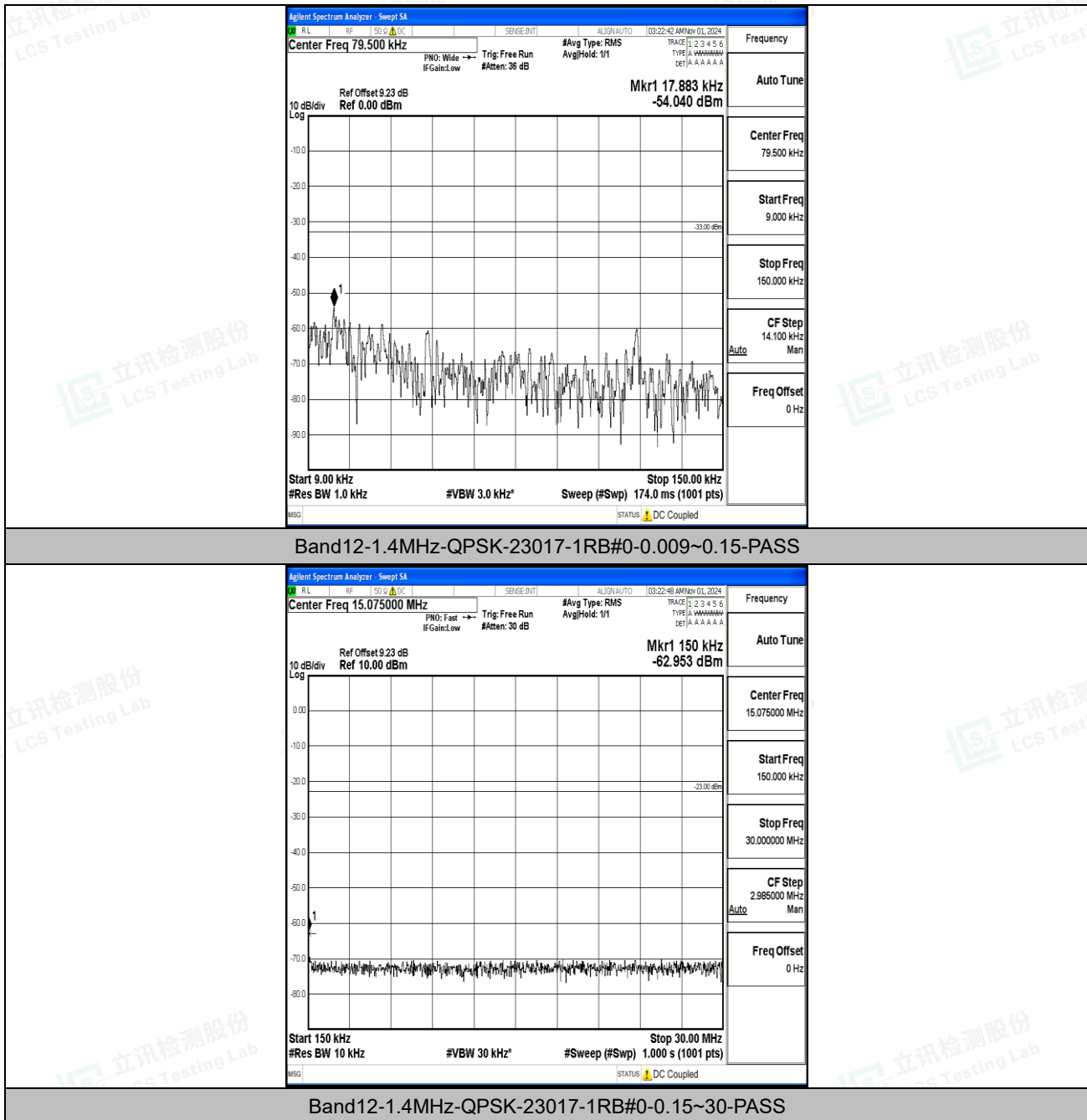
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Test Graphs



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