



Appendix I: Test Data for E-UTRA Band 12

Product Name: Mstick4

Test Model: MG-S04

Environmental Conditions

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





I.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	19.74	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	18.58	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	19.73	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	18.76	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	19.74	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	18.59	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	19.78	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	18.50	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	19.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	18.54	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	19.79	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	18.59	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	18.80	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	17.80	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	19.94	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	18.78	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	20.03	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	18.87	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	19.89	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	18.75	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	19.95	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	18.75	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	19.99	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	18.83	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	19.96	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	18.79	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	18.91	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	17.80	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	19.86	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	18.61	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	20.01	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	18.80	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	19.86	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	18.59	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	19.97	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	18.72	PASS





Band12	1.4MHz	QPSK	23173	3RB#1	19.98	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	18.70	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	19.90	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	18.56	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	18.87	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	17.90	PASS
Band12	3MHz	QPSK	23025	1RB#0	19.78	PASS
Band12	3MHz	16QAM	23025	1RB#0	18.75	PASS
Band12	3MHz	QPSK	23025	1RB#8	19.76	PASS
Band12	3MHz	16QAM	23025	1RB#8	18.75	PASS
Band12	3MHz	QPSK	23025	1RB#14	19.80	PASS
Band12	3MHz	16QAM	23025	1RB#14	18.78	PASS
Band12	3MHz	QPSK	23025	8RB#0	18.74	PASS
Band12	3MHz	16QAM	23025	8RB#0	17.74	PASS
Band12	3MHz	QPSK	23025	8RB#4	18.79	PASS
Band12	3MHz	16QAM	23025	8RB#4	17.76	PASS
Band12	3MHz	QPSK	23025	8RB#7	18.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	17.81	PASS
Band12	3MHz	QPSK	23025	15RB#0	18.76	PASS
Band12	3MHz	16QAM	23025	15RB#0	17.81	PASS
Band12	3MHz	QPSK	23095	1RB#0	19.93	PASS
Band12	3MHz	16QAM	23095	1RB#0	18.87	PASS
Band12	3MHz	QPSK	23095	1RB#8	20.00	PASS
Band12	3MHz	16QAM	23095	1RB#8	18.82	PASS
Band12	3MHz	QPSK	23095	1RB#14	19.94	PASS
Band12	3MHz	16QAM	23095	1RB#14	18.73	PASS
Band12	3MHz	QPSK	23095	8RB#0	18.87	PASS
Band12	3MHz	16QAM	23095	8RB#0	17.93	PASS
Band12	3MHz	QPSK	23095	8RB#4	18.87	PASS
Band12	3MHz	16QAM	23095	8RB#4	17.95	PASS
Band12	3MHz	QPSK	23095	8RB#7	18.90	PASS
Band12	3MHz	16QAM	23095	8RB#7	17.91	PASS
Band12	3MHz	QPSK	23095	15RB#0	18.89	PASS
Band12	3MHz	16QAM	23095	15RB#0	17.83	PASS
Band12	3MHz	QPSK	23165	1RB#0	19.88	PASS
Band12	3MHz	16QAM	23165	1RB#0	18.67	PASS
Band12	3MHz	QPSK	23165	1RB#8	19.89	PASS
Band12	3MHz	16QAM	23165	1RB#8	18.67	PASS
Band12	3MHz	QPSK	23165	1RB#14	19.91	PASS
Band12	3MHz	16QAM	23165	1RB#14	18.70	PASS
Band12	3MHz	QPSK	23165	8RB#0	18.88	PASS
Band12	3MHz	16QAM	23165	8RB#0	17.91	PASS



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Scan code to check authenticity



Band12	3MHz	QPSK	23165	8RB#4	18.91	PASS
Band12	3MHz	16QAM	23165	8RB#4	17.95	PASS
Band12	3MHz	QPSK	23165	8RB#7	18.86	PASS
Band12	3MHz	16QAM	23165	8RB#7	17.93	PASS
Band12	3MHz	QPSK	23165	15RB#0	18.83	PASS
Band12	3MHz	16QAM	23165	15RB#0	17.82	PASS
Band12	5MHz	QPSK	23035	1RB#0	19.76	PASS
Band12	5MHz	16QAM	23035	1RB#0	18.63	PASS
Band12	5MHz	QPSK	23035	1RB#12	19.89	PASS
Band12	5MHz	16QAM	23035	1RB#12	18.78	PASS
Band12	5MHz	QPSK	23035	1RB#24	19.89	PASS
Band12	5MHz	16QAM	23035	1RB#24	18.80	PASS
Band12	5MHz	QPSK	23035	12RB#0	18.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	17.75	PASS
Band12	5MHz	QPSK	23035	12RB#6	18.76	PASS
Band12	5MHz	16QAM	23035	12RB#6	17.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	18.75	PASS
Band12	5MHz	16QAM	23035	12RB#13	17.73	PASS
Band12	5MHz	QPSK	23035	25RB#0	18.72	PASS
Band12	5MHz	16QAM	23035	25RB#0	17.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	19.81	PASS
Band12	5MHz	16QAM	23095	1RB#0	18.90	PASS
Band12	5MHz	QPSK	23095	1RB#12	19.95	PASS
Band12	5MHz	16QAM	23095	1RB#12	19.00	PASS
Band12	5MHz	QPSK	23095	1RB#24	19.80	PASS
Band12	5MHz	16QAM	23095	1RB#24	18.87	PASS
Band12	5MHz	QPSK	23095	12RB#0	18.94	PASS
Band12	5MHz	16QAM	23095	12RB#0	17.98	PASS
Band12	5MHz	QPSK	23095	12RB#6	18.90	PASS
Band12	5MHz	16QAM	23095	12RB#6	18.00	PASS
Band12	5MHz	QPSK	23095	12RB#13	19.00	PASS
Band12	5MHz	16QAM	23095	12RB#13	18.06	PASS
Band12	5MHz	QPSK	23095	25RB#0	18.97	PASS
Band12	5MHz	16QAM	23095	25RB#0	17.99	PASS
Band12	5MHz	QPSK	23155	1RB#0	19.86	PASS
Band12	5MHz	16QAM	23155	1RB#0	18.76	PASS
Band12	5MHz	QPSK	23155	1RB#12	19.97	PASS
Band12	5MHz	16QAM	23155	1RB#12	18.83	PASS
Band12	5MHz	QPSK	23155	1RB#24	19.91	PASS
Band12	5MHz	16QAM	23155	1RB#24	18.73	PASS
Band12	5MHz	QPSK	23155	12RB#0	18.98	PASS
Band12	5MHz	16QAM	23155	12RB#0	17.96	PASS





Band12	5MHz	QPSK	23155	12RB#6	18.96	PASS
Band12	5MHz	16QAM	23155	12RB#6	17.97	PASS
Band12	5MHz	QPSK	23155	12RB#13	18.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	17.82	PASS
Band12	5MHz	QPSK	23155	25RB#0	18.90	PASS
Band12	5MHz	16QAM	23155	25RB#0	17.95	PASS
Band12	10MHz	QPSK	23060	1RB#0	19.73	PASS
Band12	10MHz	16QAM	23060	1RB#0	18.70	PASS
Band12	10MHz	QPSK	23060	1RB#24	19.98	PASS
Band12	10MHz	16QAM	23060	1RB#24	19.04	PASS
Band12	10MHz	QPSK	23060	1RB#49	19.88	PASS
Band12	10MHz	16QAM	23060	1RB#49	18.91	PASS
Band12	10MHz	QPSK	23060	25RB#0	18.95	PASS
Band12	10MHz	16QAM	23060	25RB#0	17.97	PASS
Band12	10MHz	QPSK	23060	25RB#12	18.98	PASS
Band12	10MHz	16QAM	23060	25RB#12	18.00	PASS
Band12	10MHz	QPSK	23060	25RB#25	18.97	PASS
Band12	10MHz	16QAM	23060	25RB#25	18.00	PASS
Band12	10MHz	QPSK	23060	50RB#0	18.98	PASS
Band12	10MHz	16QAM	23060	50RB#0	17.97	PASS
Band12	10MHz	QPSK	23095	1RB#0	19.88	PASS
Band12	10MHz	16QAM	23095	1RB#0	18.75	PASS
Band12	10MHz	QPSK	23095	1RB#24	19.92	PASS
Band12	10MHz	16QAM	23095	1RB#24	18.80	PASS
Band12	10MHz	QPSK	23095	1RB#49	19.94	PASS
Band12	10MHz	16QAM	23095	1RB#49	18.79	PASS
Band12	10MHz	QPSK	23095	25RB#0	18.95	PASS
Band12	10MHz	16QAM	23095	25RB#0	18.11	PASS
Band12	10MHz	QPSK	23095	25RB#12	18.91	PASS
Band12	10MHz	16QAM	23095	25RB#12	18.06	PASS
Band12	10MHz	QPSK	23095	25RB#25	19.03	PASS
Band12	10MHz	16QAM	23095	25RB#25	18.17	PASS
Band12	10MHz	QPSK	23095	50RB#0	19.03	PASS
Band12	10MHz	16QAM	23095	50RB#0	18.10	PASS
Band12	10MHz	QPSK	23130	1RB#0	19.92	PASS
Band12	10MHz	16QAM	23130	1RB#0	18.70	PASS
Band12	10MHz	QPSK	23130	1RB#24	19.95	PASS
Band12	10MHz	16QAM	23130	1RB#24	18.78	PASS
Band12	10MHz	QPSK	23130	1RB#49	19.91	PASS
Band12	10MHz	16QAM	23130	1RB#49	18.70	PASS
Band12	10MHz	QPSK	23130	25RB#0	18.76	PASS
Band12	10MHz	16QAM	23130	25RB#0	17.85	PASS



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Scan code to check authenticity



Band12	10MHz	QPSK	23130	25RB#12	18.80	PASS
Band12	10MHz	16QAM	23130	25RB#12	17.82	PASS
Band12	10MHz	QPSK	23130	25RB#25	18.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	17.82	PASS
Band12	10MHz	QPSK	23130	50RB#0	18.78	PASS
Band12	10MHz	16QAM	23130	50RB#0	17.76	PASS





I.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	3.85	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	4.94	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.73	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.50	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.39	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.36	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.55	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.28	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.33	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.29	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.56	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.28	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	3.84	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	4.77	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.96	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.72	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.49	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.37	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.63	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.38	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.87	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.74	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.59	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.32	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.97	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.72	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.43	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.06	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.67	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.03	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.76	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.36	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.59	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.22	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.60	13	PASS



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Scan code to check authenticity



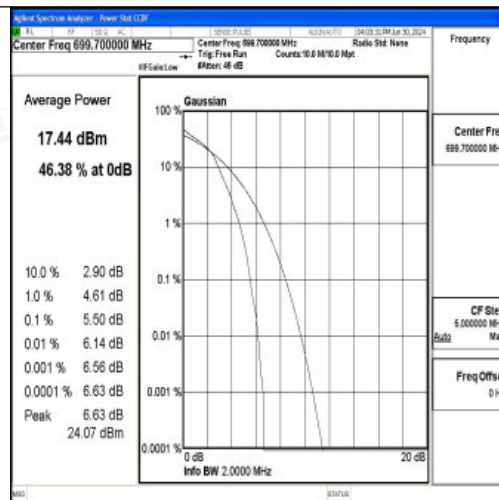
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Band12	10MHz	QPSK	23060	1RB#0	3.87	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	4.78	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.65	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.30	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.21	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.07	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.71	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.35	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.48	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.32	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.46	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.20	13	PASS



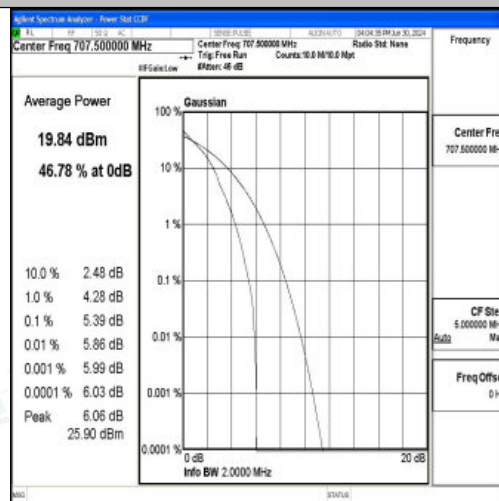


Test Graphs

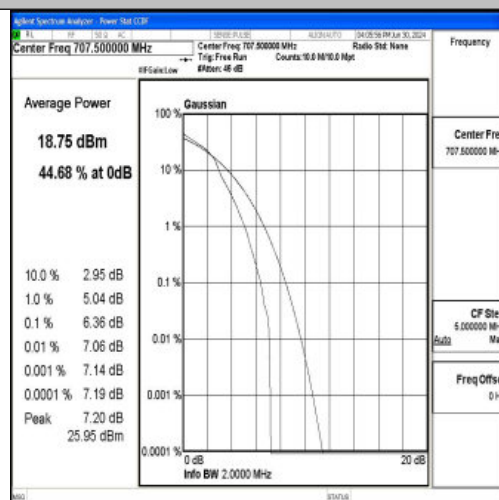




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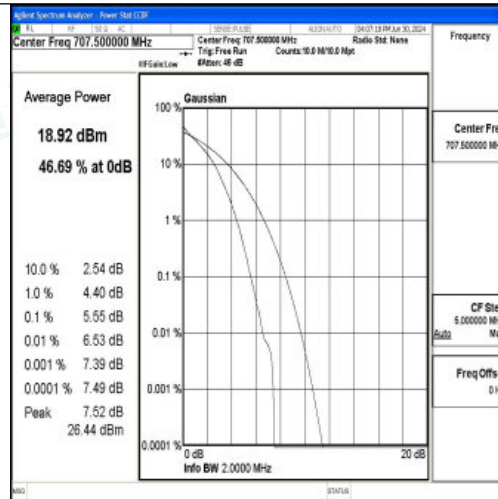


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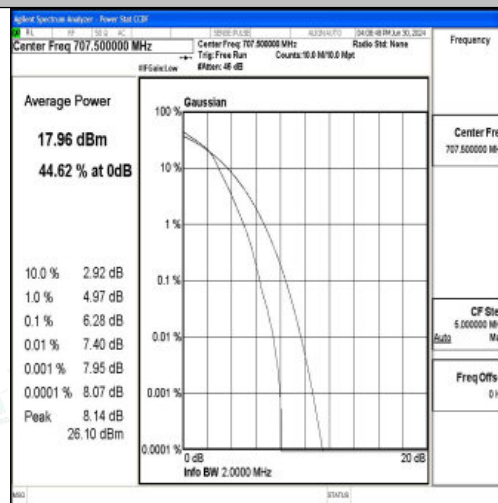


Band12-1.4MHz-16QAM-23095-1RB#0-PASS

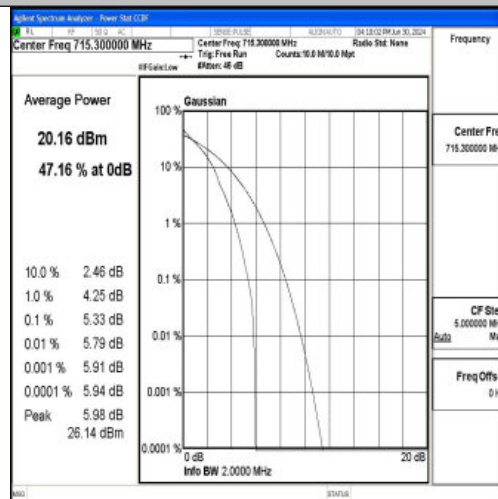




Band12-1.4MHz-QPSK-23095-6RB#0-PASS

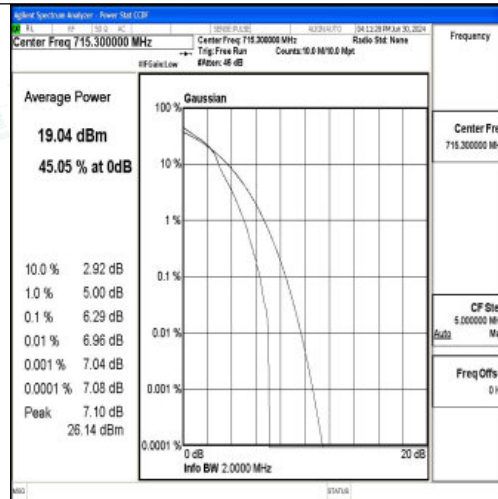


Band12-1.4MHz-16QAM-23095-6RB#0-PASS

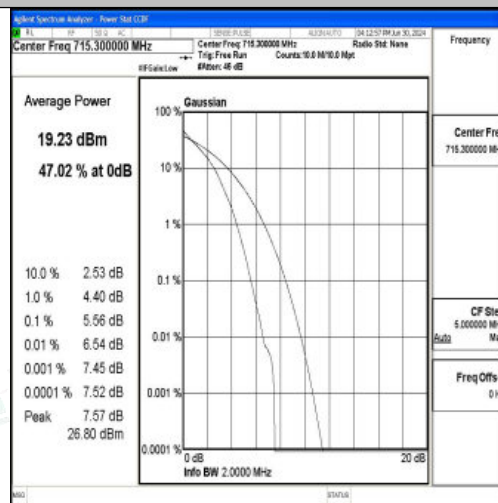


Band12-1.4MHz-QPSK-23173-1RB#0-PASS

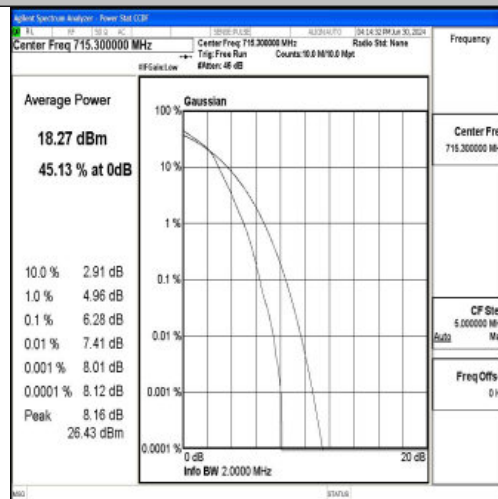




Band12-1.4MHz-16QAM-23173-1RB#0-PASS

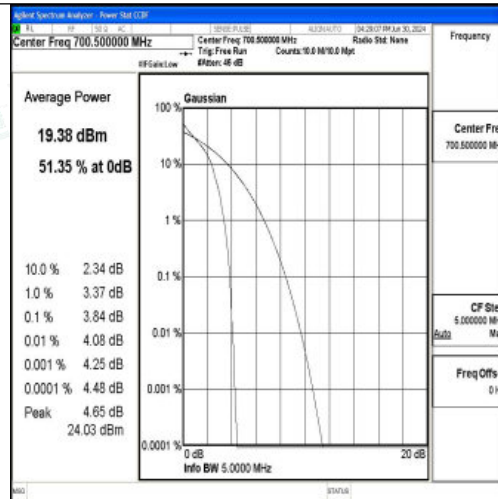


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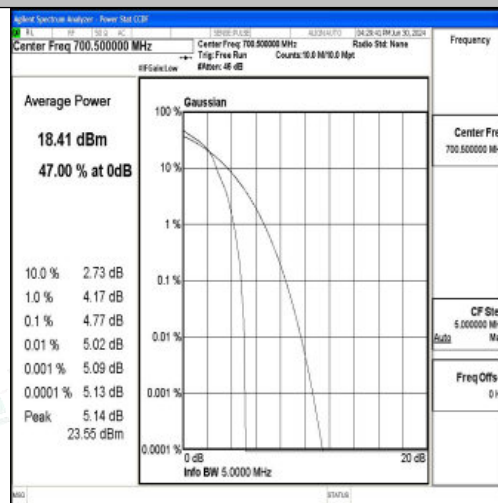


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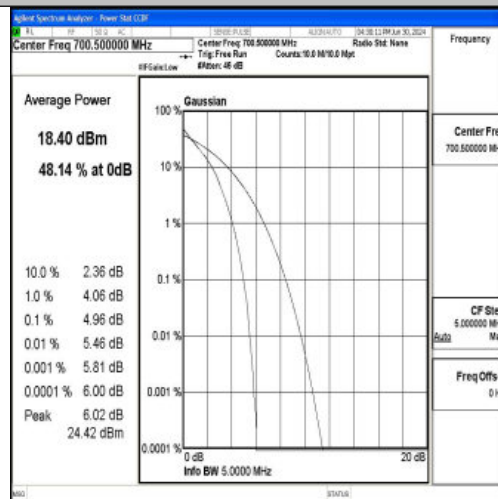




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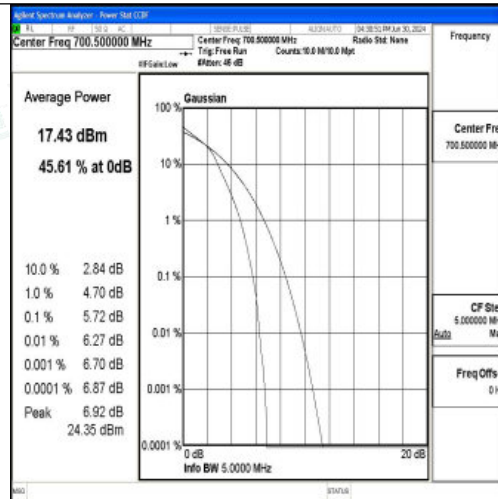


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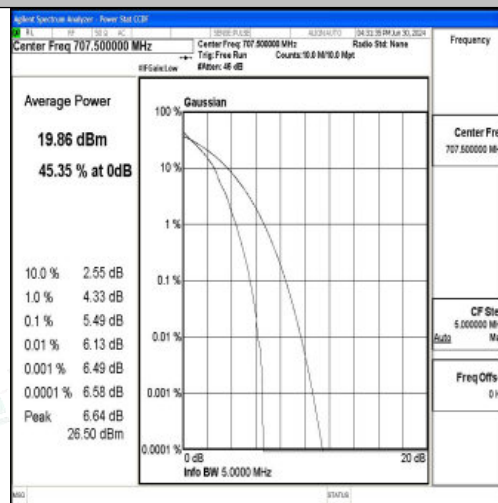


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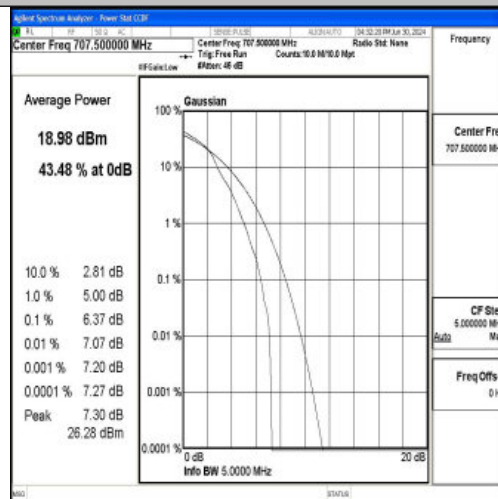




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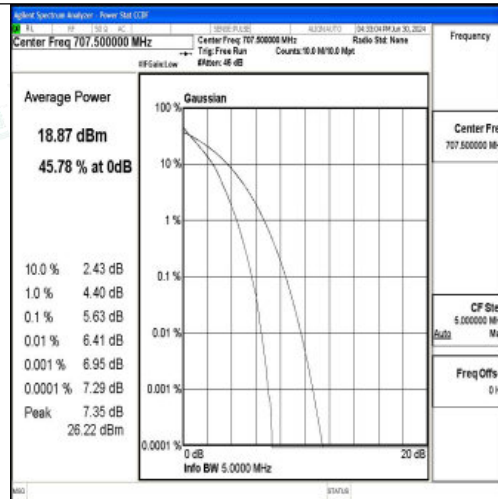


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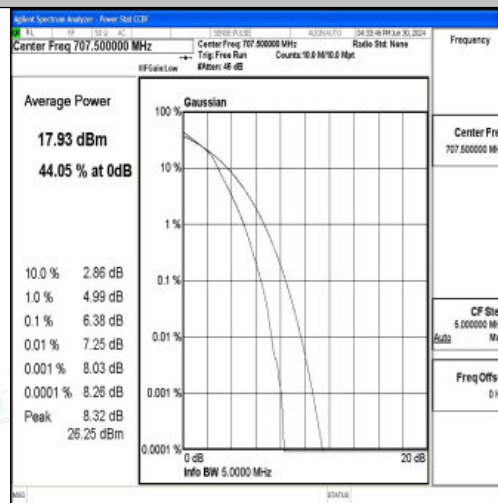


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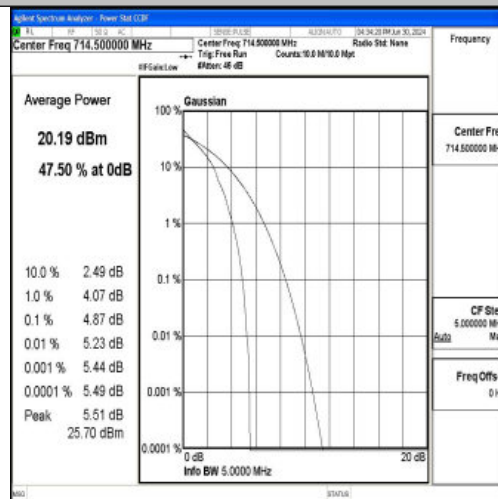




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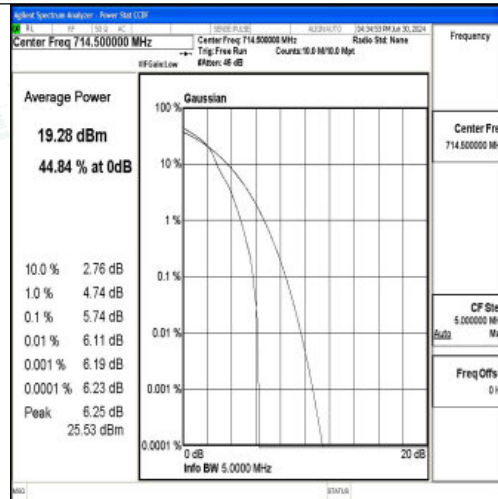


Band12-3MHz-16QAM-23095-15RB#0-PASS

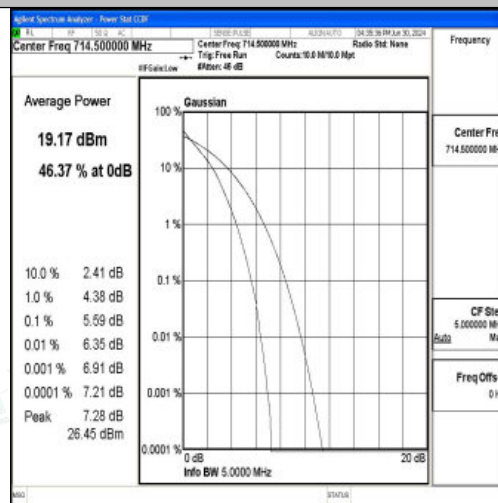


Band12-3MHz-QPSK-23165-1RB#0-PASS

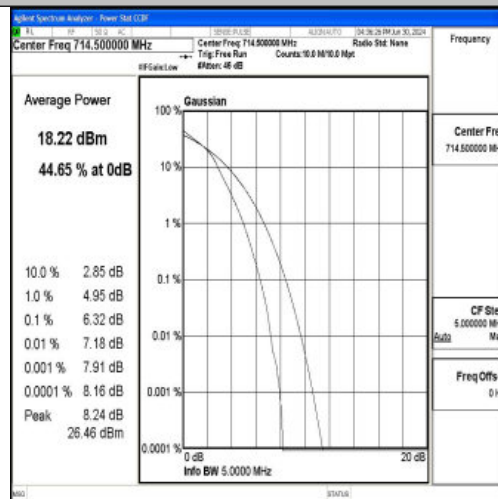




Band12-3MHz-16QAM-23165-1RB#0-PASS

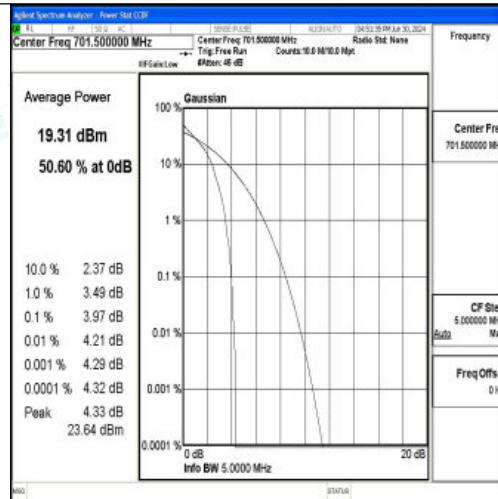


Band12-3MHz-QPSK-23165-15RB#0-PASS

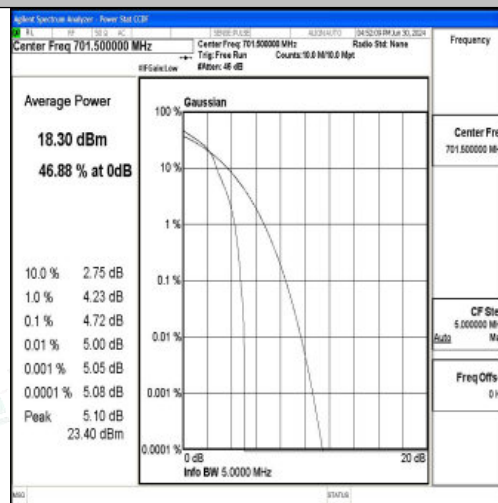


Band12-3MHz-16QAM-23165-15RB#0-PASS

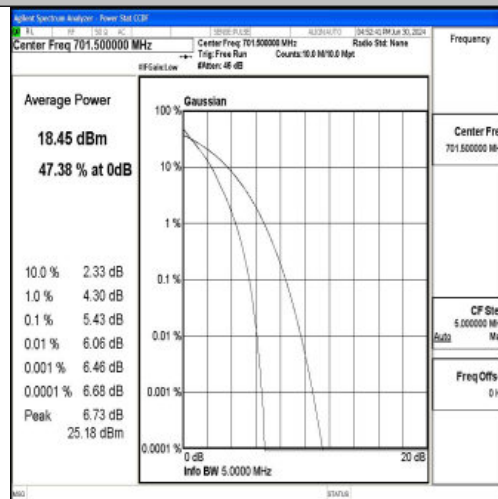




Band12-5MHz-QPSK-23035-1RB#0-PASS

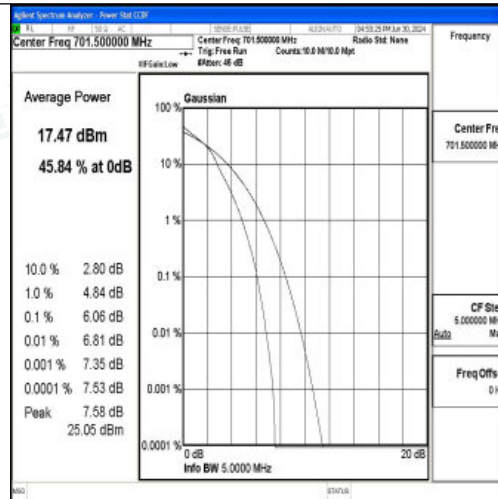


Band12-5MHz-16QAM-23035-1RB#0-PASS

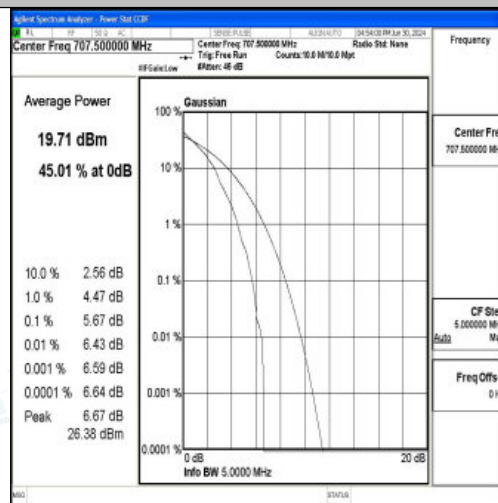


Band12-5MHz-QPSK-23035-25RB#0-PASS

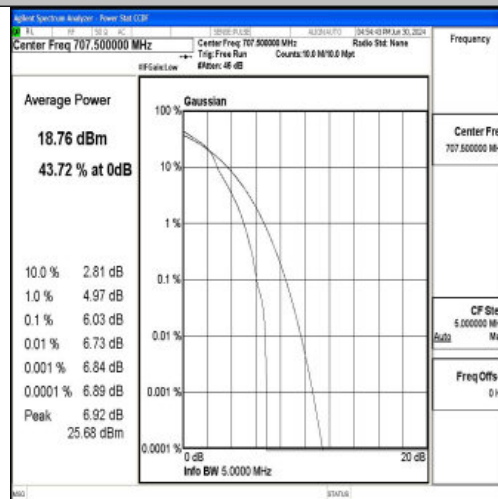




Band12-5MHz-16QAM-23035-25RB#0-PASS



Band12-5MHz-QPSK-23095-1RB#0-PASS



Band12-5MHz-16QAM-23095-1RB#0-PASS

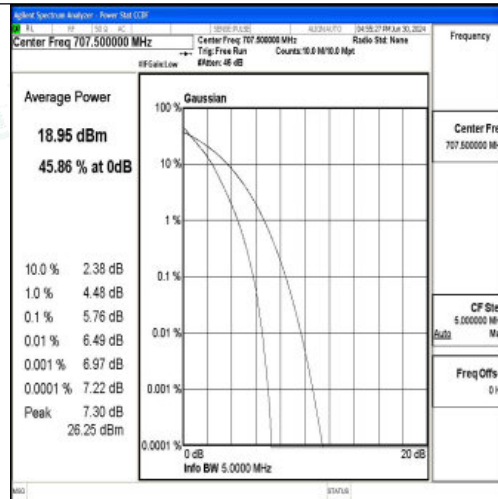


Shenzhen LCS Compliance Testing Laboratory Ltd.

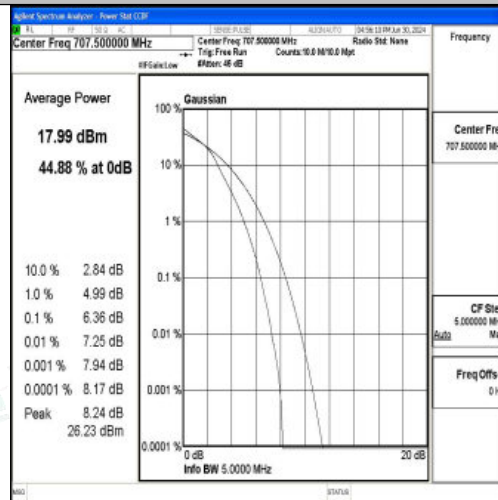
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

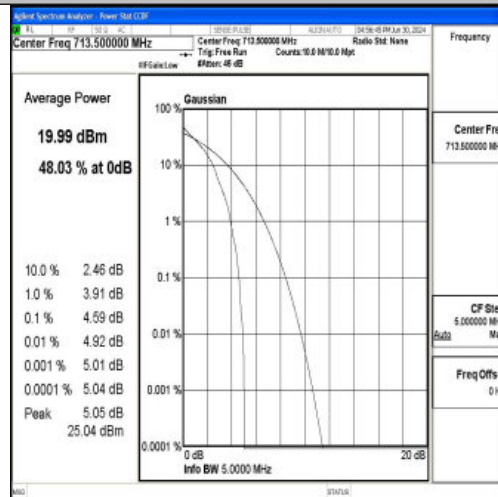
Scan code to check authenticity



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

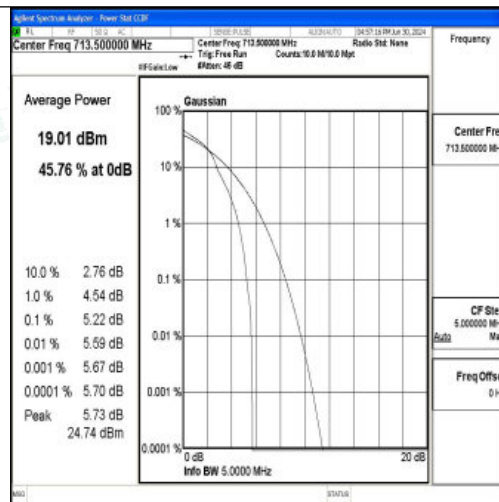


Band12-5MHz-16QAM-23095-25RB#0-PASS

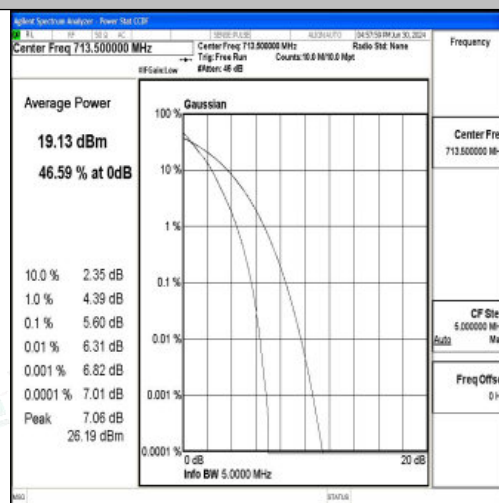


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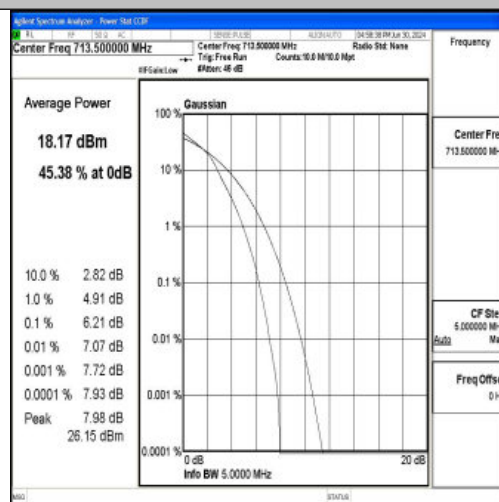




Band12-5MHz-16QAM-23155-1RB#0-PASS



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



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

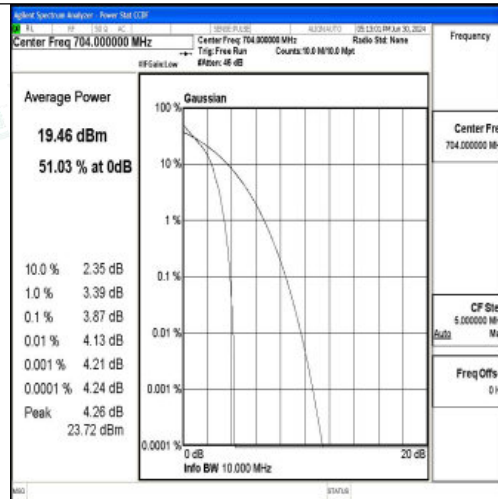


Shenzhen LCS Compliance Testing Laboratory Ltd.

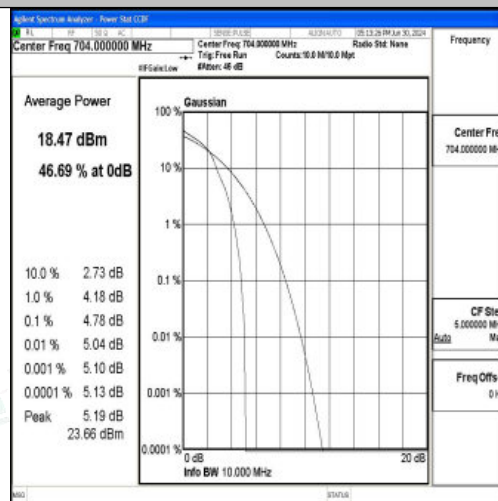
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

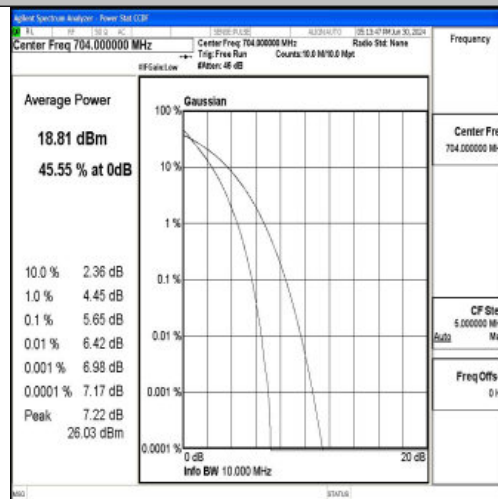
Scan code to check authenticity



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



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



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

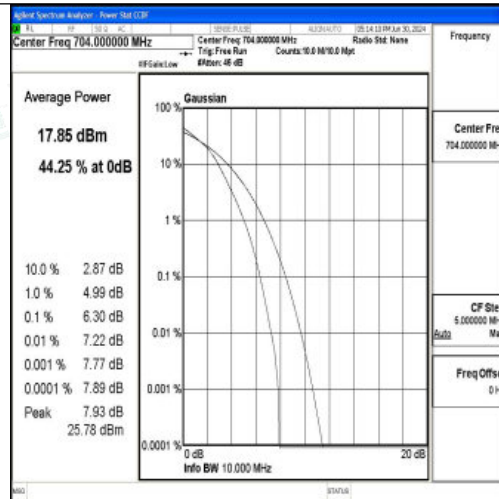


Shenzhen LCS Compliance Testing Laboratory Ltd.

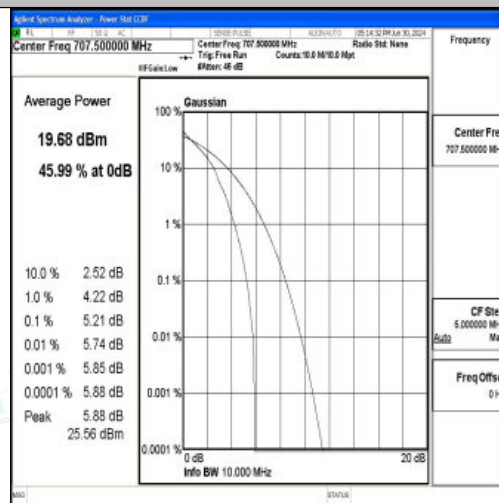
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

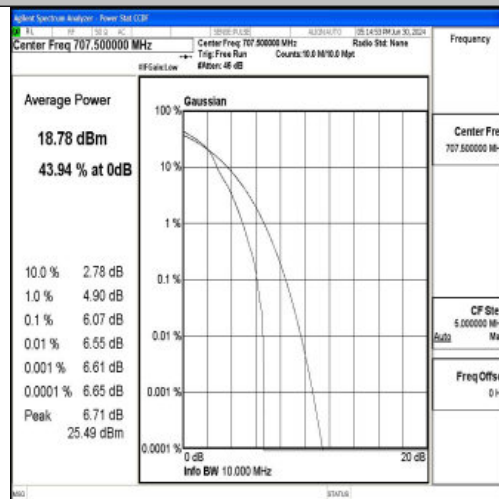
Scan code to check authenticity



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

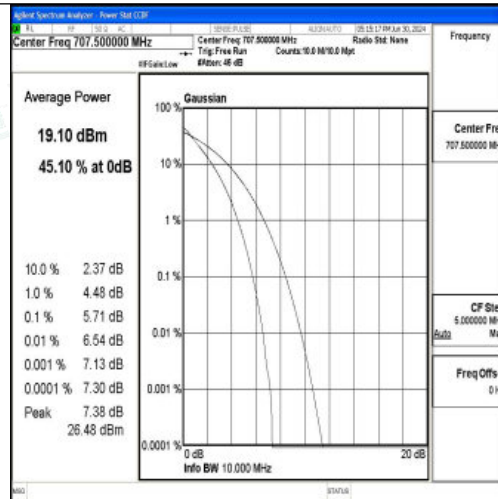


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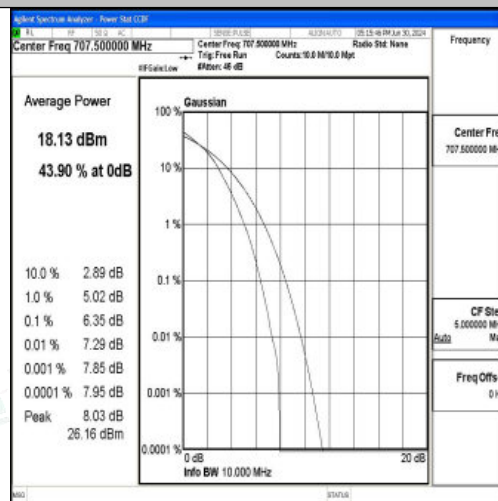


Band12-10MHz-16QAM-23095-1RB#0-PASS

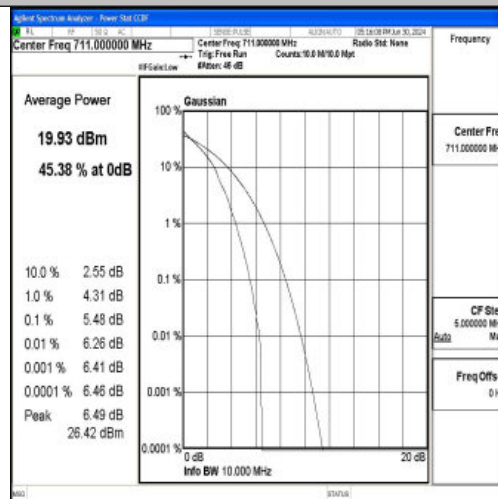




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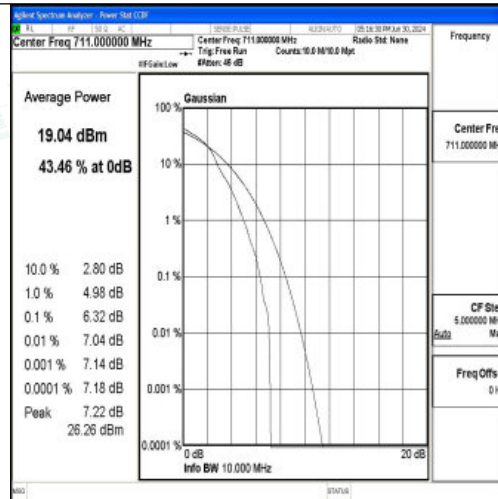


Band12-10MHz-16QAM-23095-50RB#0-PASS

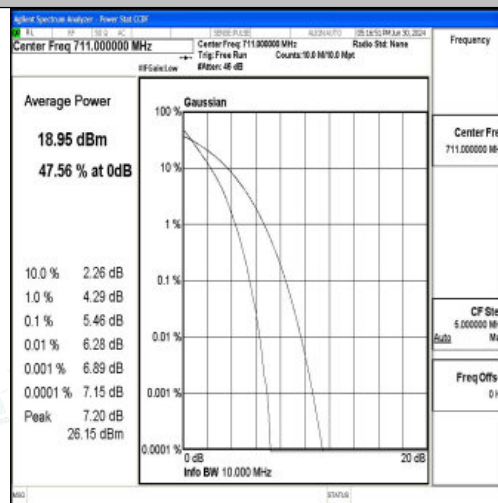


Band12-10MHz-QPSK-23130-1RB#0-PASS

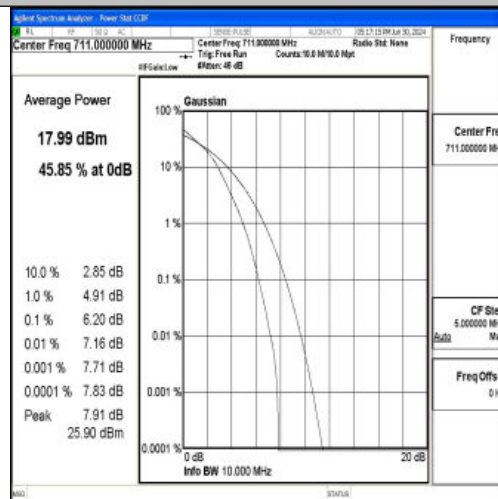




Band12-10MHz-16QAM-23130-1RB#0-PASS



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



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





I.3 26dB Bandwidth and Occupied Bandwidth

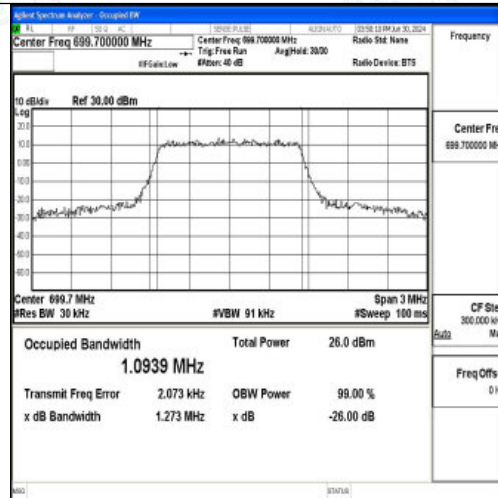
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0939	1.273	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0924	1.296	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0864	1.288	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0933	1.300	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0909	1.280	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0932	1.308	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6823	2.915	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6781	2.894	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6864	2.926	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6809	2.885	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6887	2.904	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6837	2.905	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5154	5.193	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5147	5.165	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5223	5.195	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5193	5.155	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5212	5.168	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5171	5.124	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0290	10.13	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0088	10.000	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0168	10.16	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0220	10.01	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9624	10.11	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9644	9.952	PASS

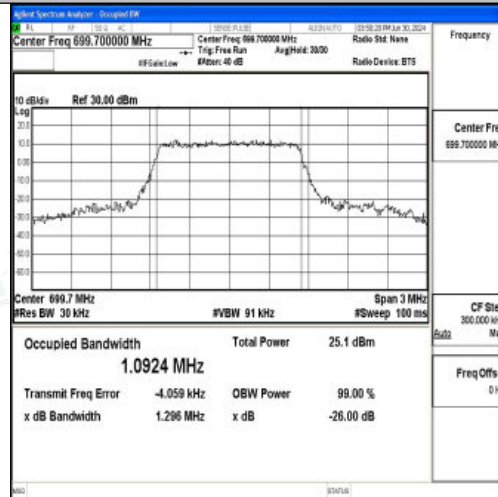




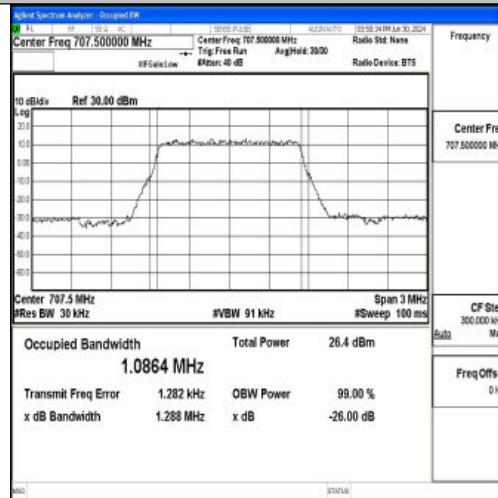
Test Graphs



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

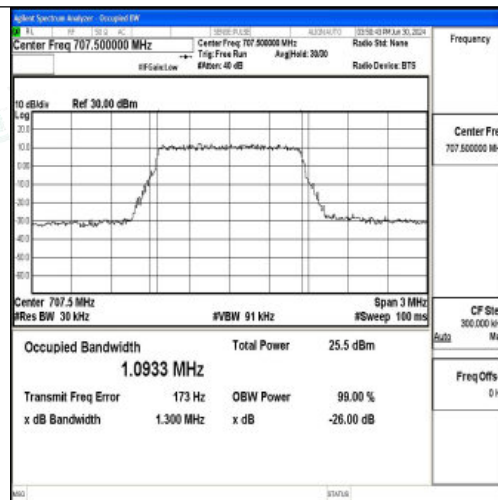


Band12-1.4MHz-16QAM-23017-6RB#0-PASS

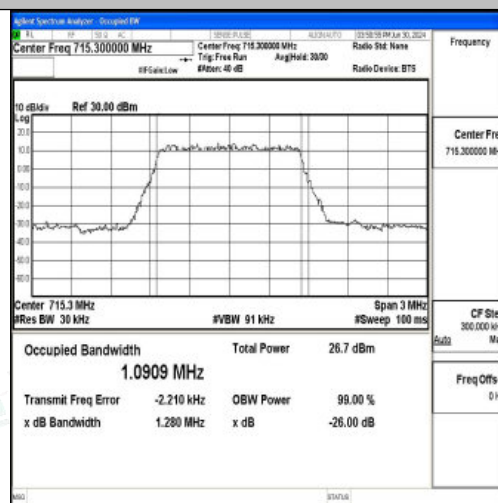


Band12-1.4MHz-QPSK-23095-6RB#0-PASS

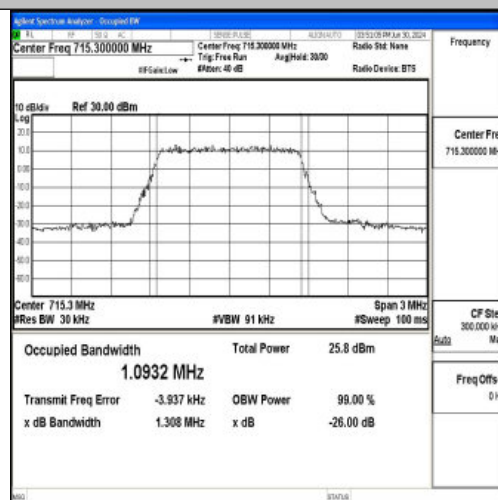




Band12-1.4MHz-16QAM-23095-6RB#0-PASS

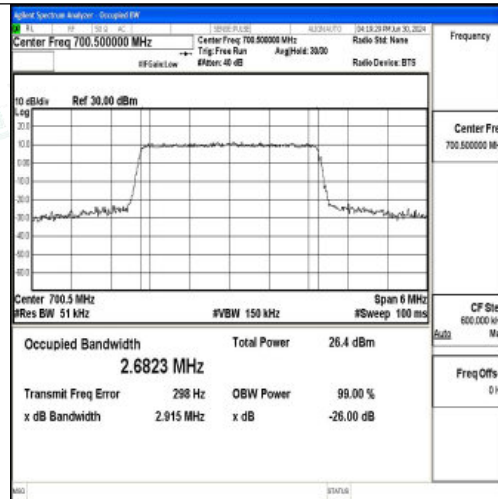


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

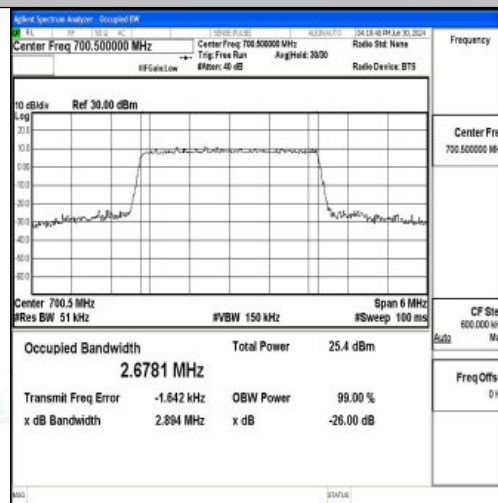


Band12-1.4MHz-16QAM-23173-6RB#0-PASS

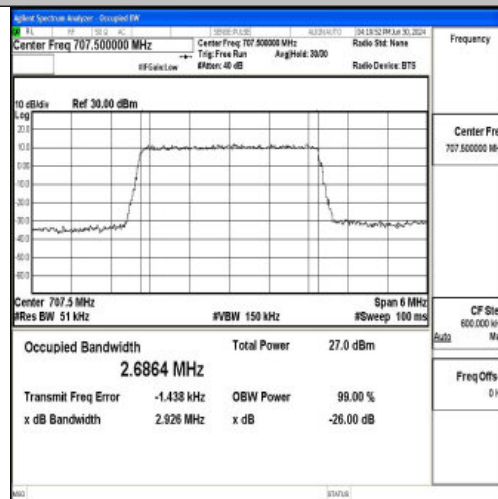




Band12-3MHz-QPSK-23025-15RB#0-PASS

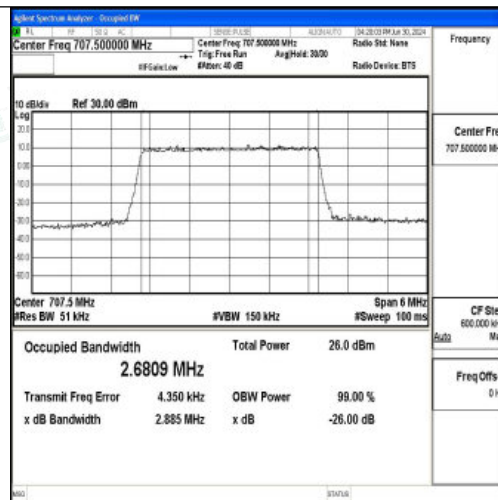


Band12-3MHz-16QAM-23025-15RB#0-PASS

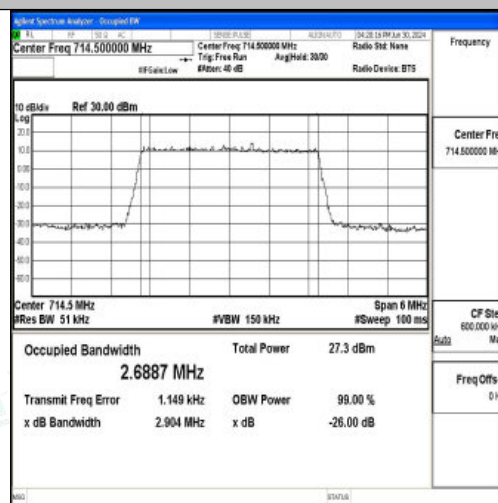


Band12-3MHz-QPSK-23095-15RB#0-PASS

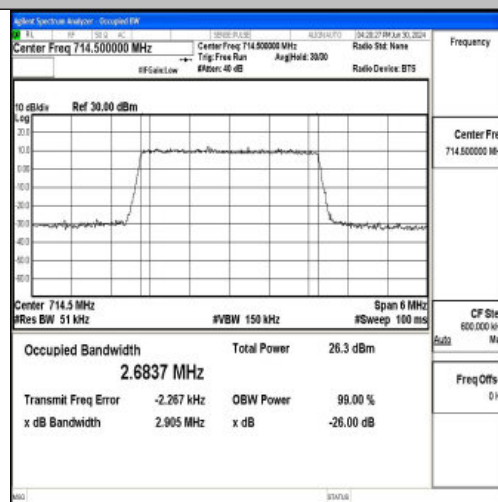




Band12-3MHz-16QAM-23095-15RB#0-PASS

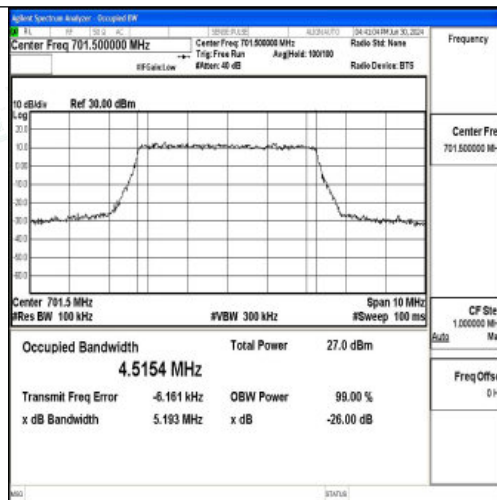


Band12-3MHz-QPSK-23165-15RB#0-PASS

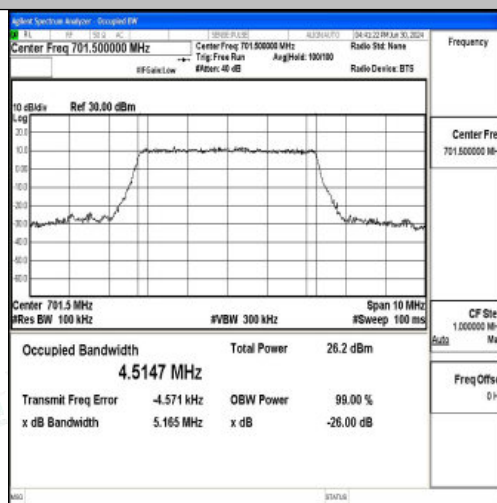


Band12-3MHz-16QAM-23165-15RB#0-PASS

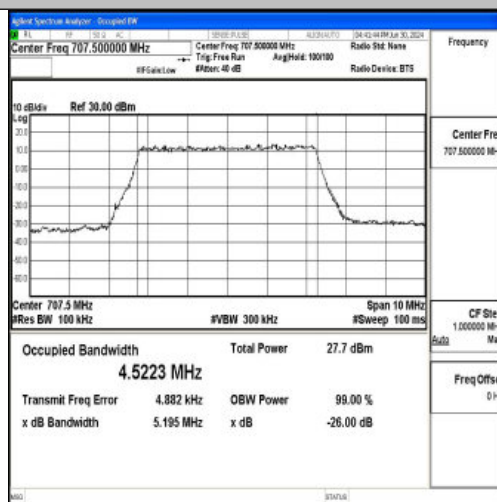




Band12-5MHz-QPSK-23035-25RB#0-PASS

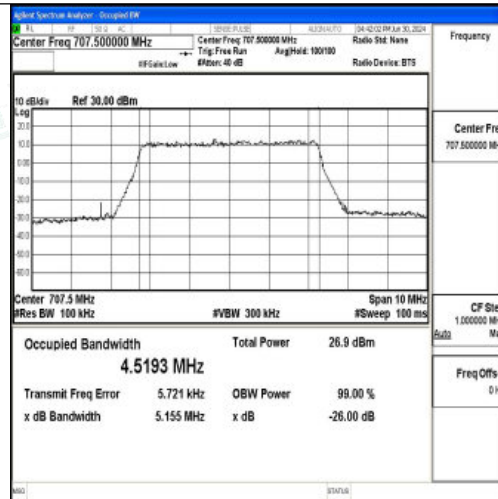


Band12-5MHz-16QAM-23035-25RB#0-PASS

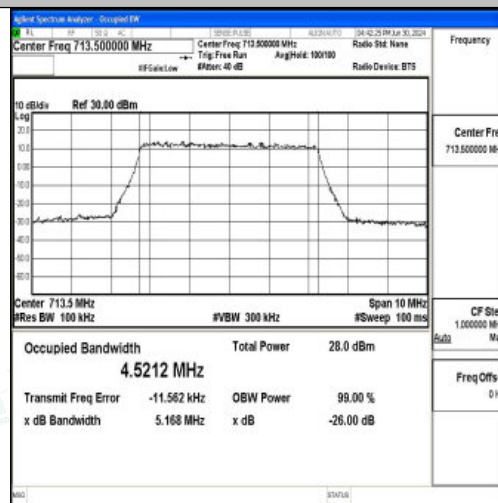


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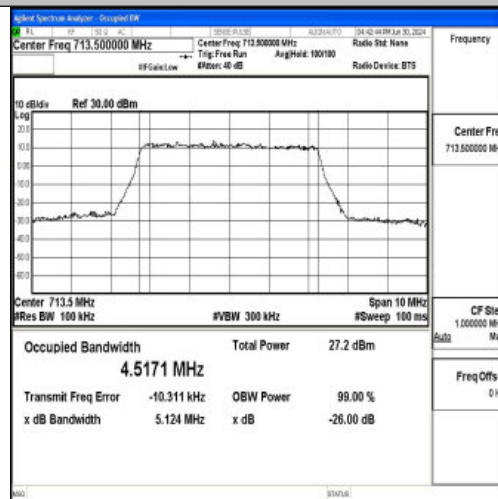




Band12-5MHz-16QAM-23095-25RB#0-PASS

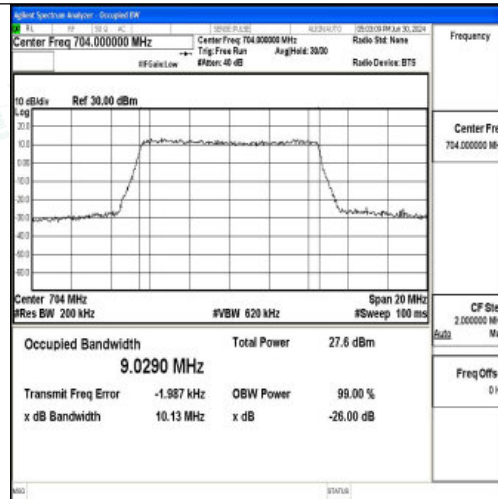


Band12-5MHz-QPSK-23155-25RB#0-PASS

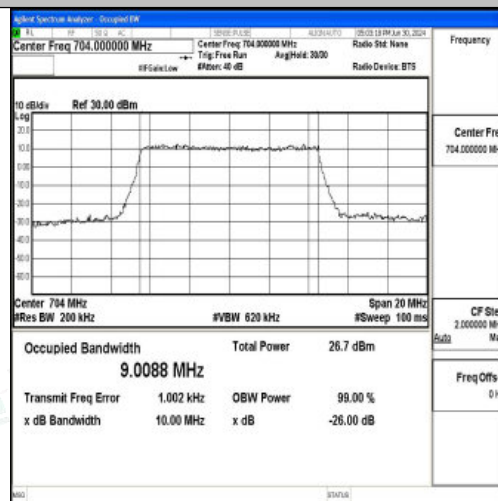


Band12-5MHz-16QAM-23155-25RB#0-PASS

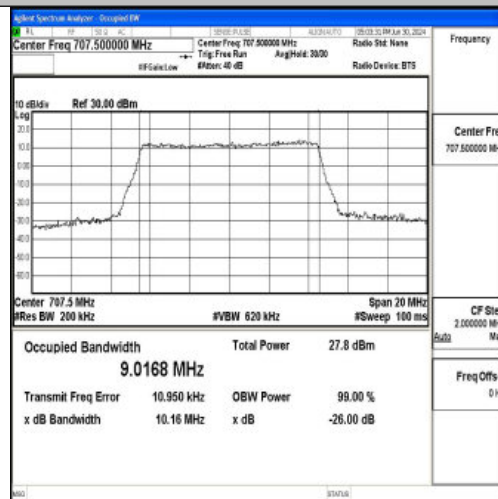




Band12-10MHz-QPSK-23060-50RB#0-PASS

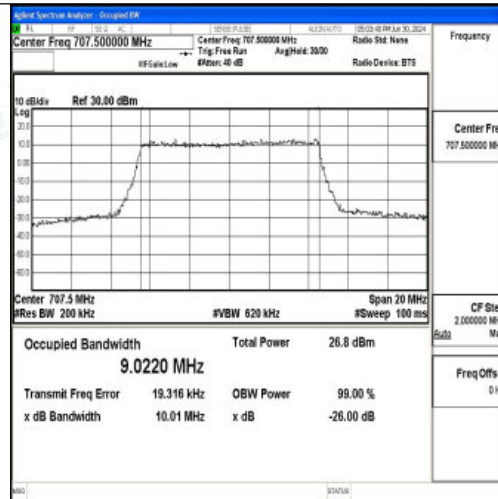


Band12-10MHz-16QAM-23060-50RB#0-PASS

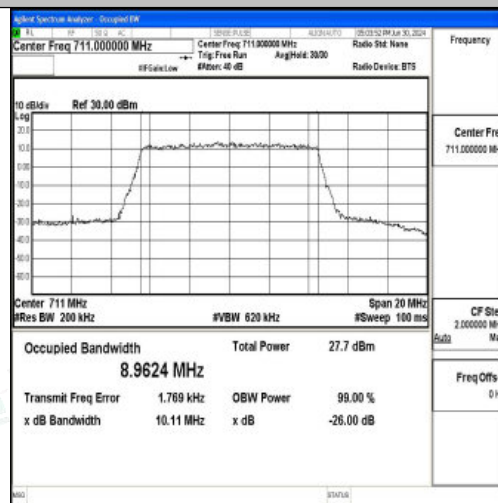


Band12-10MHz-QPSK-23095-50RB#0-PASS

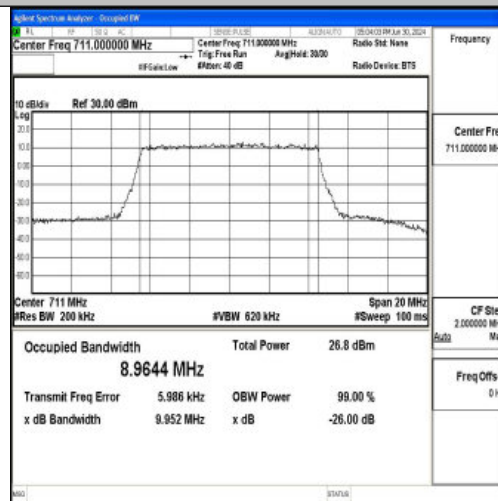




Band12-10MHz-16QAM-23095-50RB#0-PASS



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



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



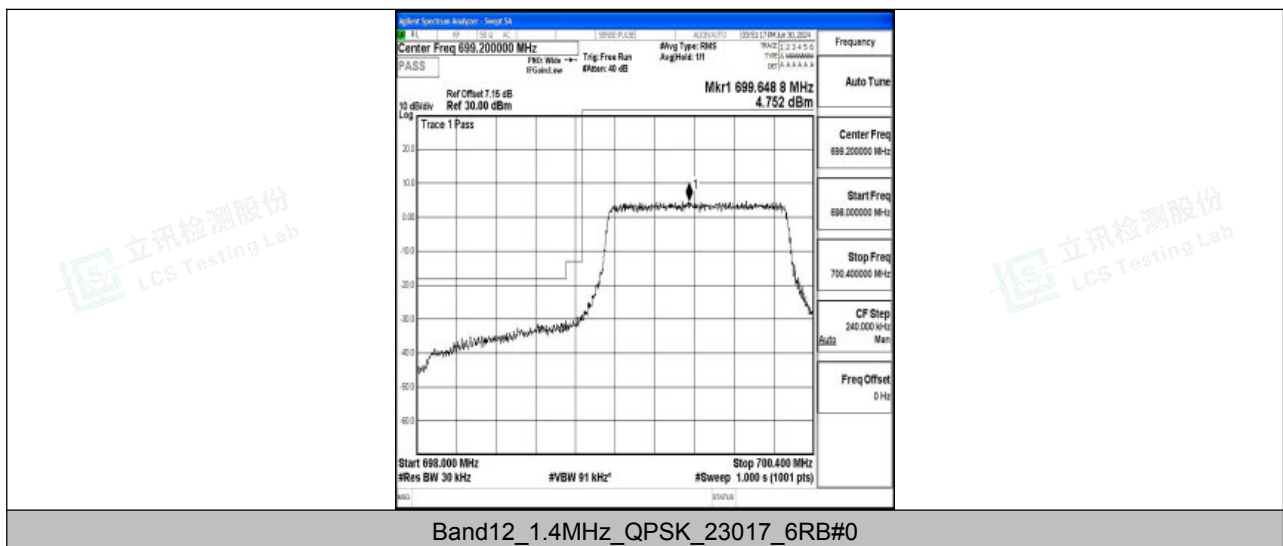


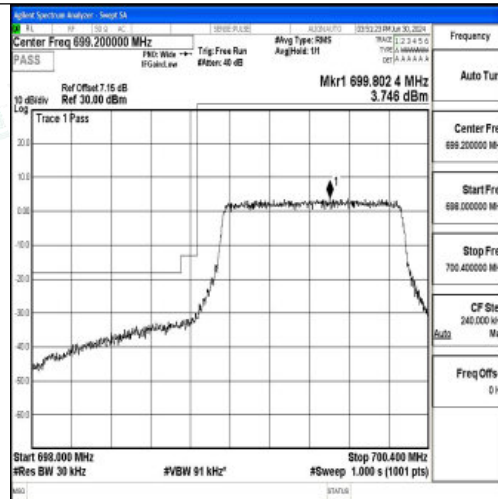
I.4 Band Edge

Test Result

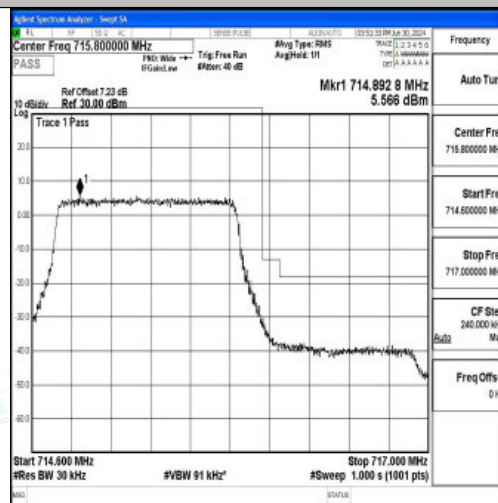
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.88	-31.28	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.88	-32.61	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.01	-32.08	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.17	-36.09	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.90	-35.83	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.87	-36.51	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.10	-40.17	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.17	-39.13	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.89	-34.62	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.88	-35.21	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.11	-36.34	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.11	-36.85	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.84	-39.69	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.84	-41.15	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.18	-40.79	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.14	-41.49	PASS

Test Graphs

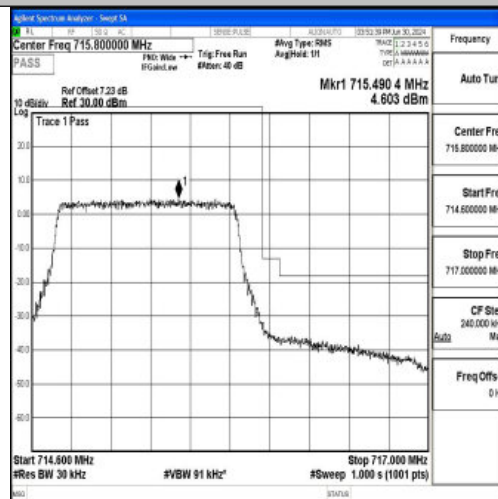




Band12_1.4MHz_16QAM_23017_6RB#0

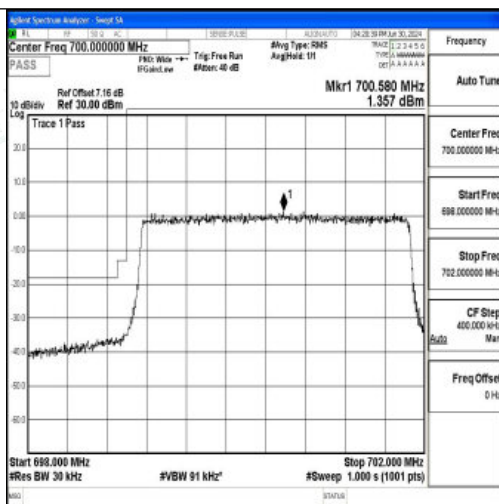


Band12_1.4MHz_QPSK_23173_6RB#0

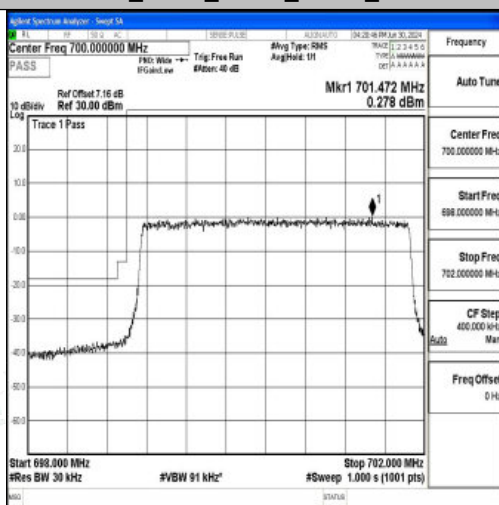


Band12_1.4MHz_16QAM_23173_6RB#0

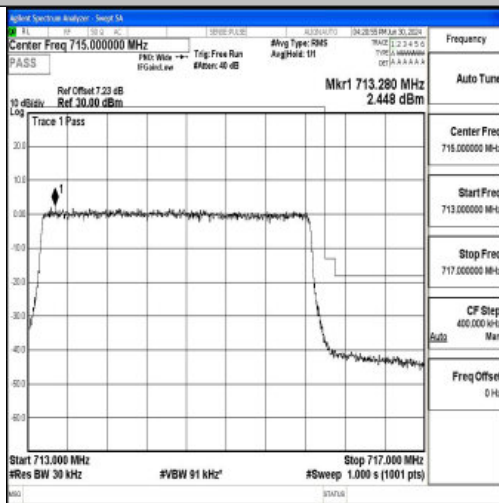




Band12_3MHz_QPSK_23025_15RB#0

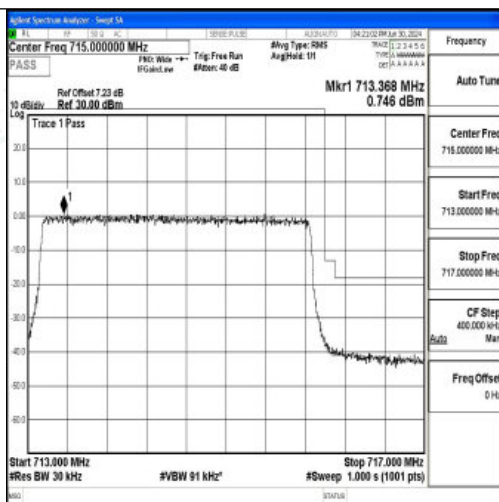


Band12_3MHz_16QAM_23025_15RB#0

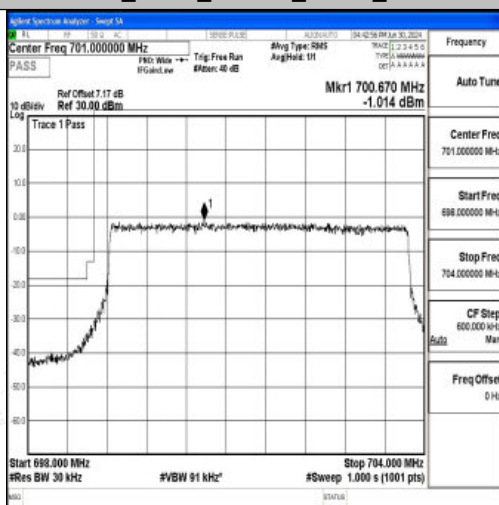


Band12_3MHz_QPSK_23165_15RB#0

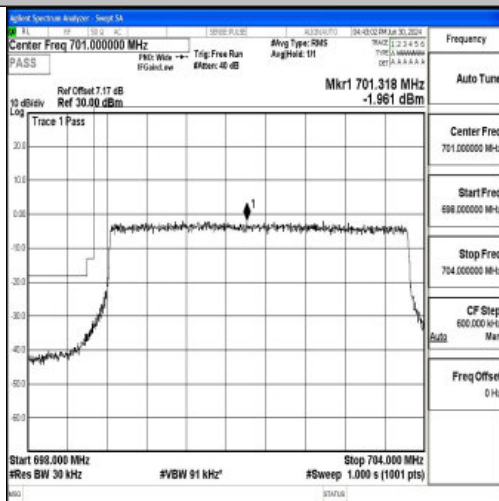




Band12_3MHz_16QAM_23165_15RB#0

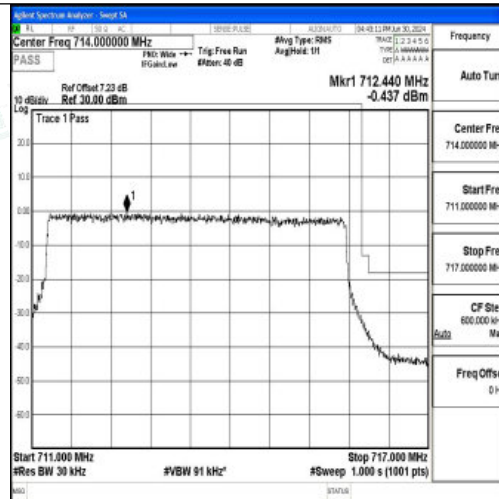


Band12_5MHz_QPSK_23035_25RB#0

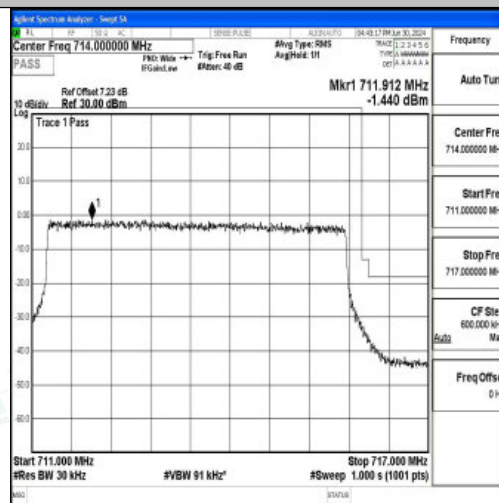


Band12_5MHz_16QAM_23035_25RB#0

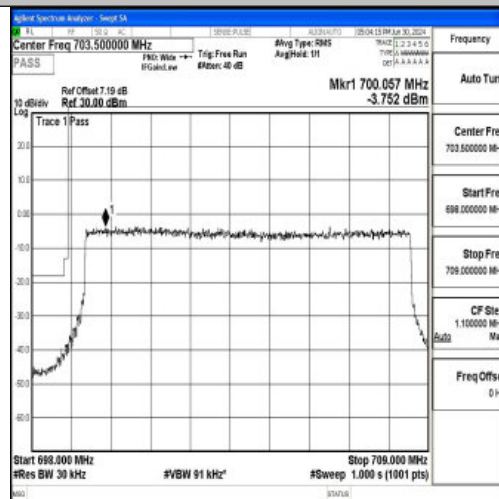




Band12_5MHz_QPSK_23155_25RB#0

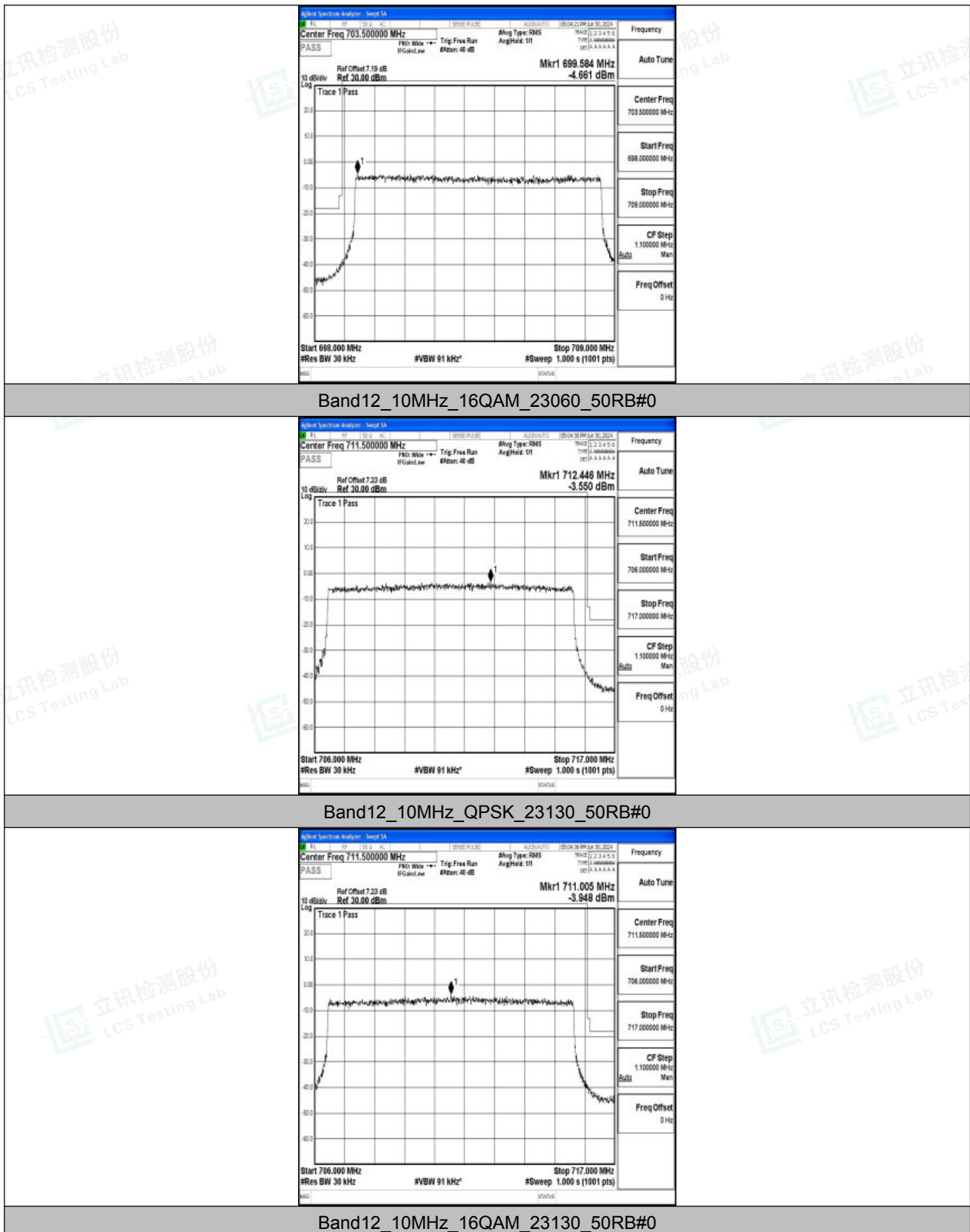


Band12_5MHz_16QAM_23155_25RB#0



Band12_10MHz_QPSK_23060_50RB#0







I.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	-58.41	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-52.02	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-56.42	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-47.76	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-44.05	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-56.76	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-52.48	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-56.10	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-47.75	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-43.81	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-57.17	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-50.97	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-53.33	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-47.76	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-44.36	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-57.98	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-51.86	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-53.28	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-47.73	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-43.90	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-56.28	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-53.34	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-52.87	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-47.57	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-44.20	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-58.59	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-53.57	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-52.35	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-47.91	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-43.09	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-59.15	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-53.55	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-50.05	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-47.75	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-44.03	PASS



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Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-58.12	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-51.54	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-60.27	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-48.06	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-44.07	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-58.14	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-52.34	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-60.12	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-47.68	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-44.01	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-55.99	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-52.41	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-60.47	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-47.72	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-43.98	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-59.68	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-53.61	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-61.88	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-47.80	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-43.68	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-55.07	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-51.82	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-61.48	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-47.44	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-43.87	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-55.47	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-51.14	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-62.14	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-47.72	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-44.31	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-56.47	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-51.84	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-61.90	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-47.87	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-43.30	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-57.51	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-51.70	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-62.09	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-47.54	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-43.88	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-56.98	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-55.00	PASS



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Band12	5MHz	16QAM	23095	1RB#0	30~1000	-62.09	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-47.90	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-44.37	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-55.73	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-52.65	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-62.13	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-47.83	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-43.79	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-58.59	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-52.63	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-62.10	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-48.05	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-43.90	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-56.85	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-54.23	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-62.14	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-47.89	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-43.35	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-58.43	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-52.29	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-62.10	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-47.73	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-44.39	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-58.00	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-52.46	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-62.00	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-47.81	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-44.04	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-56.44	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-52.28	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-61.98	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-47.89	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-44.11	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-58.94	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-51.82	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-61.99	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-47.84	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-44.59	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-54.36	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-51.70	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-61.91	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-47.62	PASS



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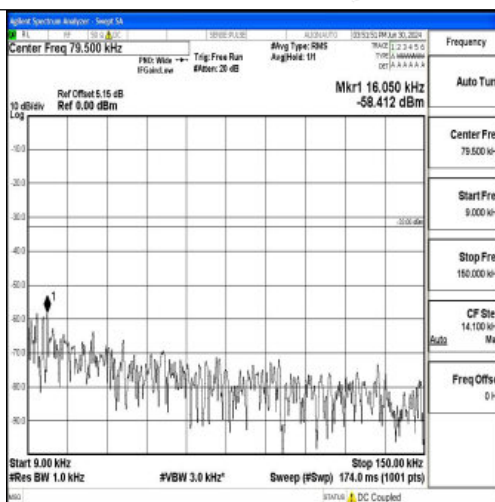
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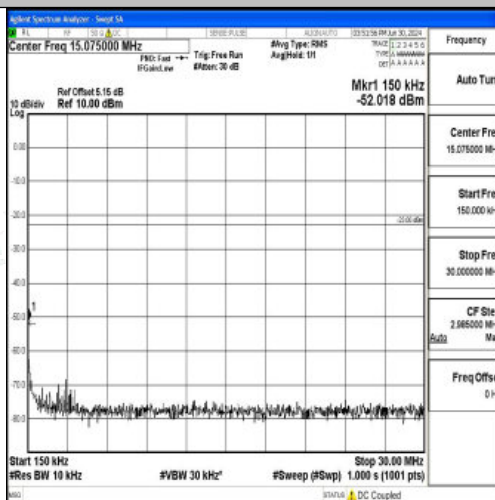


Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-44.14	PASS
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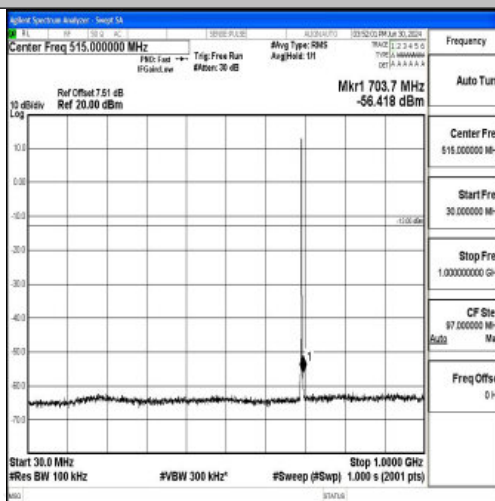
Test Graphs



Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15



Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30



Band12_1.4MHz_QPSK_23017_1RB#0_30~1000_30~1000

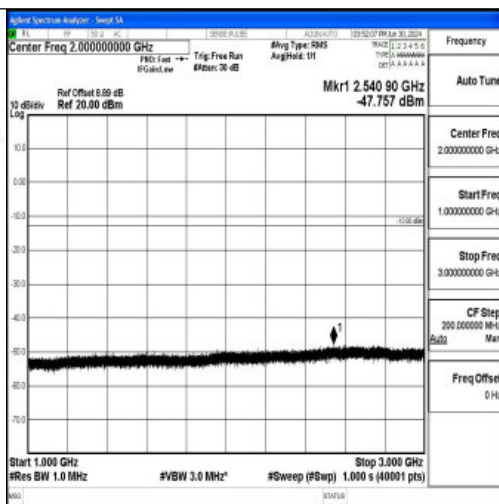


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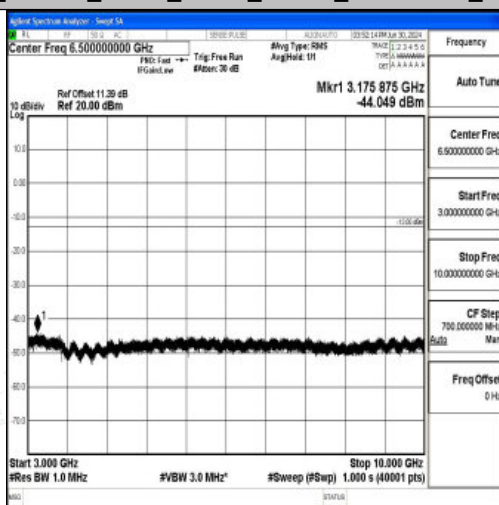
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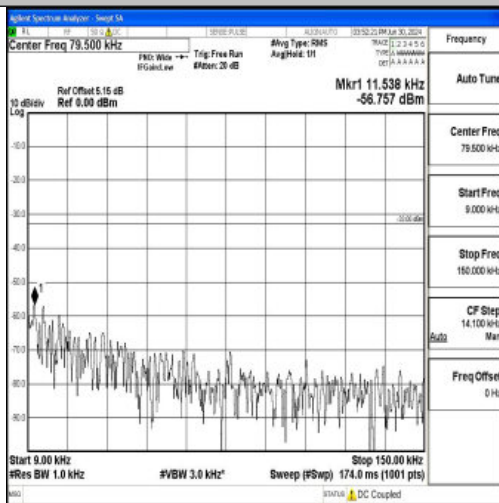
Scan code to check authenticity



Band12_1.4MHz_QPSK_23017_1RB#0_1000~3000_1000~3000



Band12_1.4MHz_QPSK_23017_1RB#0_3000~10000_3000~10000



Band12_1.4MHz_16QAM_23017_1RB#0_0.009~0.15_0.009~0.15

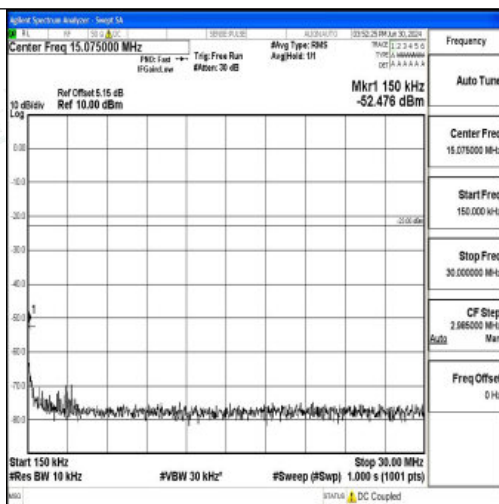


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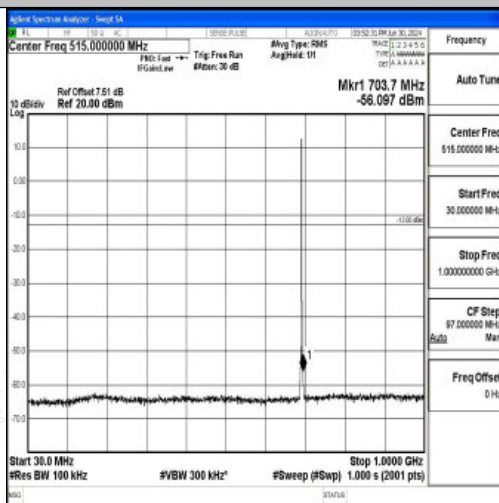
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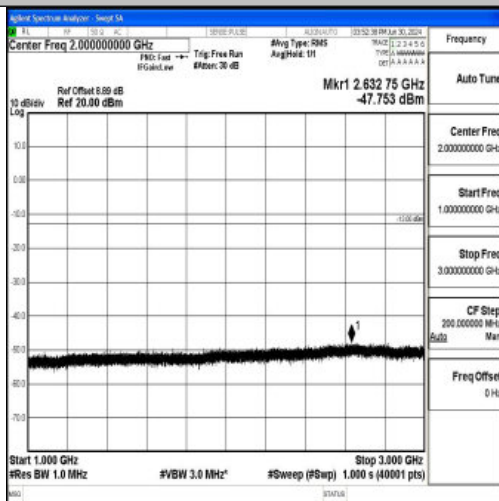
Scan code to check authenticity



Band12_1.4MHz_16QAM_23017_1RB#0_0.15~30_0.15~30



Band12_1.4MHz_16QAM_23017_1RB#0_30~1000_30~1000



Band12_1.4MHz_16QAM_23017_1RB#0_1000~3000_1000~3000

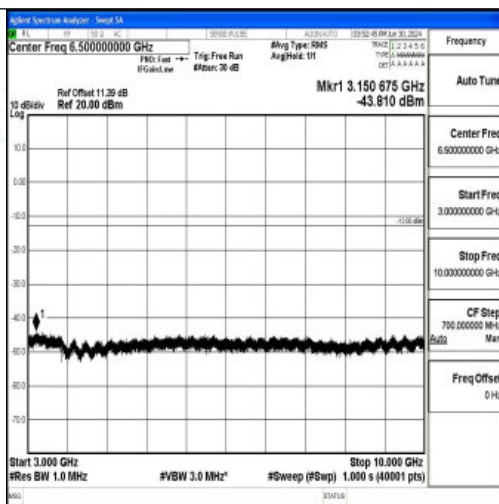


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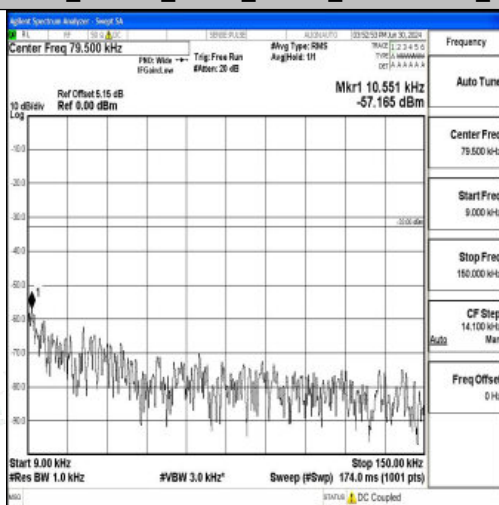
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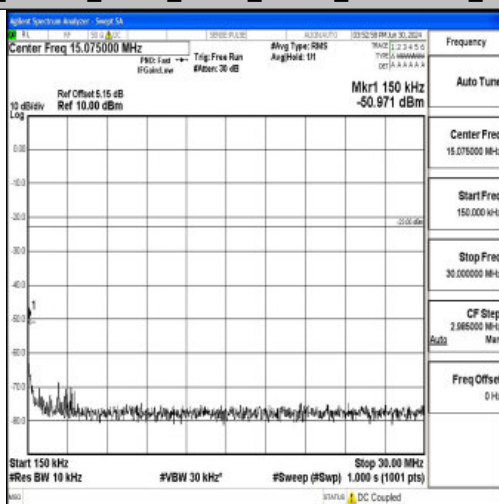
Scan code to check authenticity



Band12_1.4MHz_16QAM_23017_1RB#0_3000~10000_3000~10000

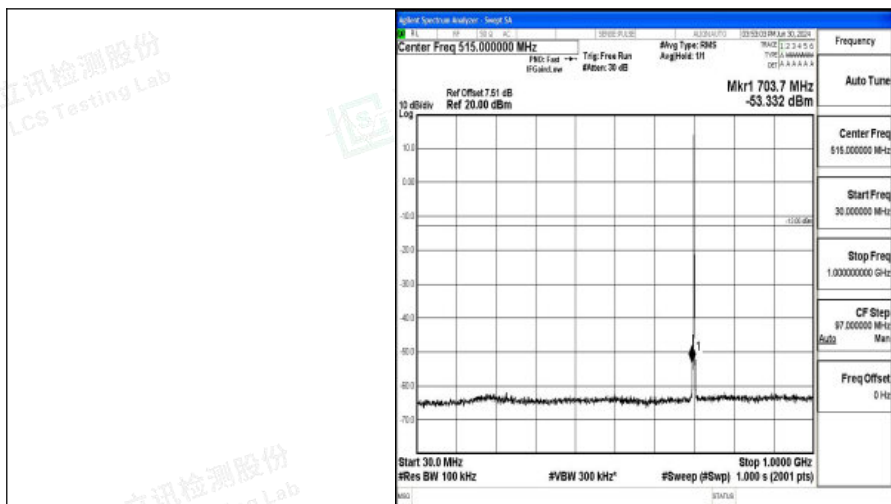


Band12_1.4MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15

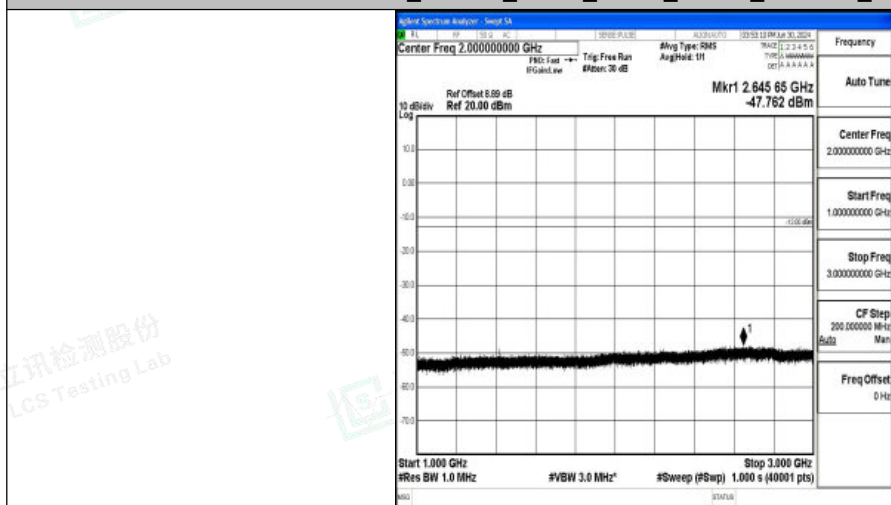


Band12_1.4MHz_QPSK_23095_1RB#0_0.15~30_0.15~30

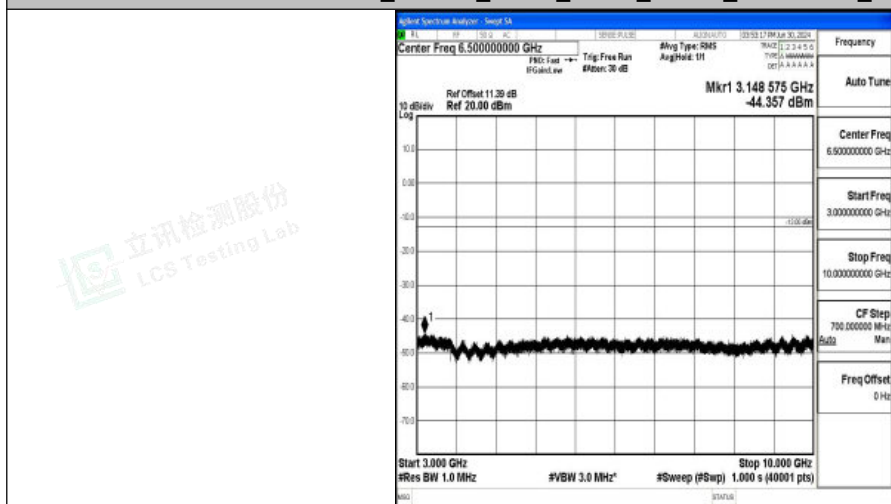




Band12_1.4MHz_QPSK_23095_1RB#0_30~1000_30~1000



Band12_1.4MHz_QPSK_23095_1RB#0_1000~3000_1000~3000



Band12_1.4MHz_QPSK_23095_1RB#0_3000~10000_3000~10000

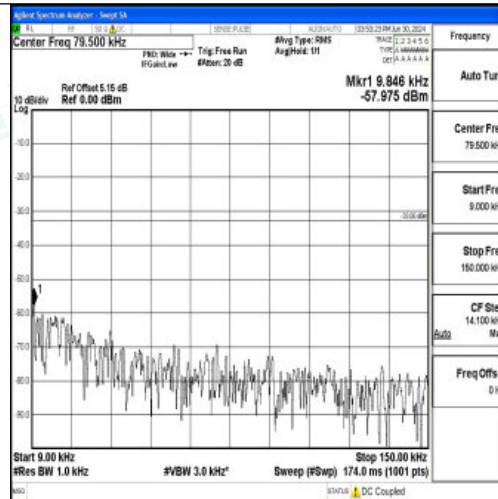


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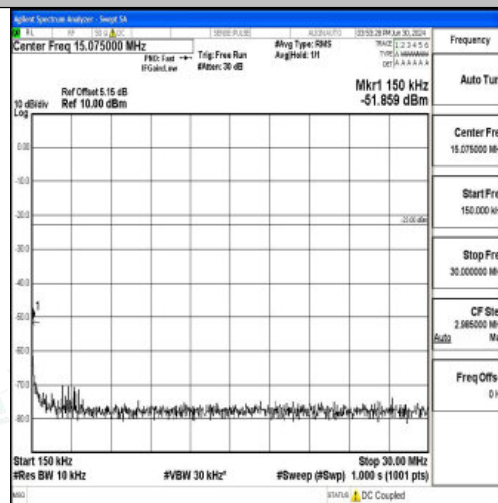
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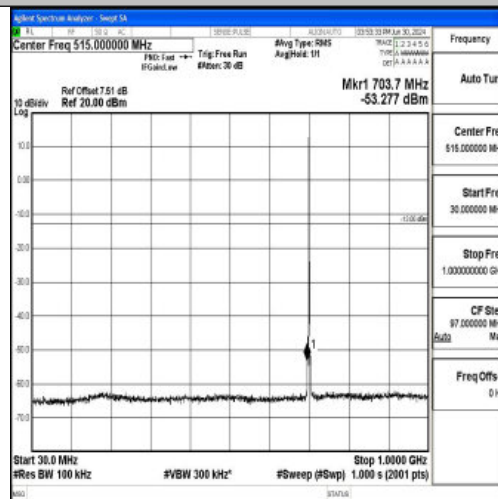
Scan code to check authenticity



Band12_1.4MHz_16QAM_23095_1RB#0_0.009~0.15_0.009~0.15

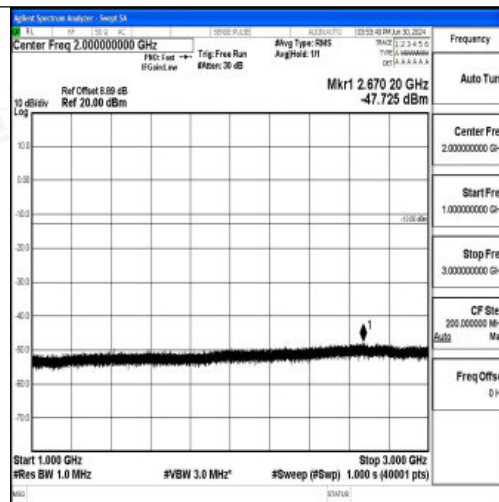


Band12_1.4MHz_16QAM_23095_1RB#0_0.15~30_0.15~30

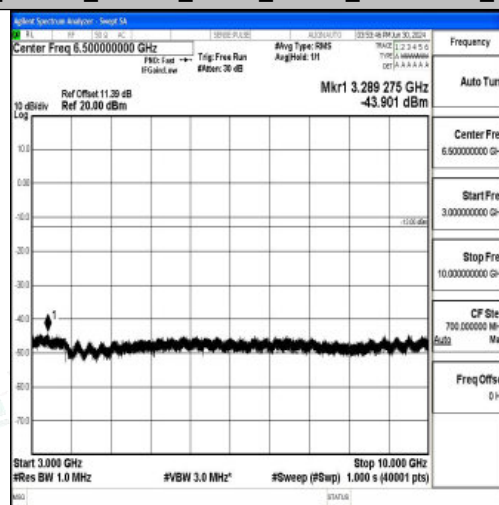


Band12_1.4MHz_16QAM_23095_1RB#0_30~1000_30~1000

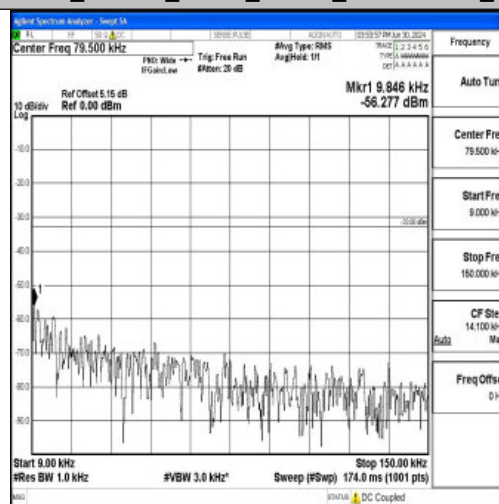




Band12_1.4MHz_16QAM_23095_1RB#0_1000~3000_1000~3000

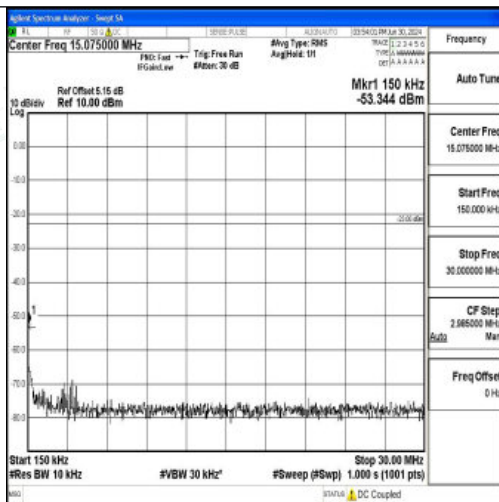


Band12_1.4MHz_16QAM_23095_1RB#0_3000~10000_3000~10000

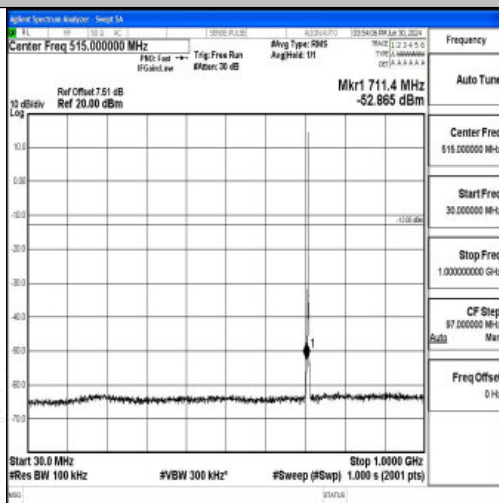


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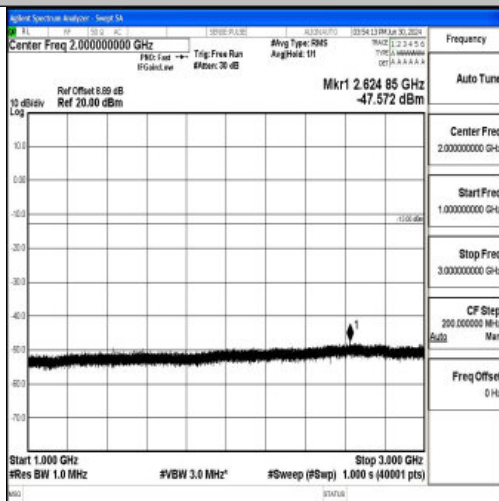




Band12_1.4MHz_QPSK_23173_1RB#0_0.15~30_0.15~30



Band12_1.4MHz_QPSK_23173_1RB#0_30~1000_30~1000



Band12_1.4MHz_QPSK_23173_1RB#0_1000~3000_1000~3000



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