



Appendix E: Test Data for E-UTRA Band 12

Product Name: Stick Logger(4G)

Test Model: LS4G-4-C

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
Supervised by:	Li Huan



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Scan code to check authenticity



E.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.62	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.61	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.57	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.53	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.52	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.57	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.72	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.64	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.75	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.63	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.66	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.65	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.82	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.78	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.82	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.00	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.68	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.67	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.89	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.80	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.70	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.94	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.58	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.55	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.53	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.62	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.72	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.01	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.00	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.93	PASS





Band12	1.4MHz	16QAM	23095	3RB#0	22.62	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.60	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.56	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.99	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.96	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.26	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.03	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.53	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.40	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.66	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.81	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.64	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.31	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.45	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.55	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.47	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.36	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.55	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.61	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.58	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.53	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.57	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.58	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.64	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.59	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.62	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.65	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.92	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.52	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.55	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.70	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.69	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.34	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.41	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.22	PASS





Band12	3MHz	16QAM	23025	8RB#0	21.45	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.43	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.59	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.56	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.02	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.17	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.72	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.69	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.69	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.67	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.59	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.54	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.91	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.94	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.61	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.65	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.98	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.81	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.34	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.41	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.58	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.48	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.49	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.46	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.55	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.70	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.68	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.73	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.61	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.71	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.66	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.65	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.49	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.48	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.56	PASS





Band12	5MHz	QPSK	23155	12RB#0	22.60	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.62	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.68	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.61	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.67	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.00	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.92	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.50	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.40	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.55	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.67	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.51	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.58	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.58	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.76	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.63	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.74	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.62	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.74	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.88	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.94	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.66	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.66	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.49	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.75	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.50	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.51	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.46	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.57	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.57	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.58	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.49	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.36	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.90	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.66	PASS





Band12	10MHz	QPSK	23095	25RB#0	22.50	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.53	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.66	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.55	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.38	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.82	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.73	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.75	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.63	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.64	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.39	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.32	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.65	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.47	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.46	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.66	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.57	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.72	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.35	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.64	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.61	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.68	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.69	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.67	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.91	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.00	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.98	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.87	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.74	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.66	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.60	PASS





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

Test Result

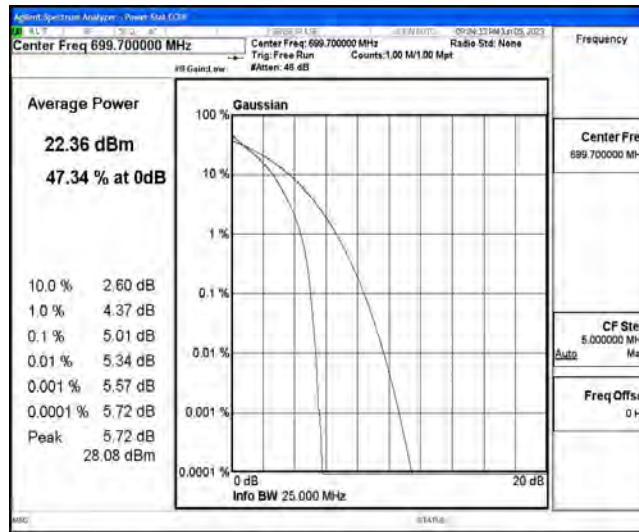
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	5.01	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.06	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.86	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.83	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.94	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.73	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.07	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.20	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.97	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.92	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.98	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.78	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.04	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.07	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.04	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.85	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.89	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.82	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.12	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.09	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.02	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.91	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.91	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.87	13	PASS



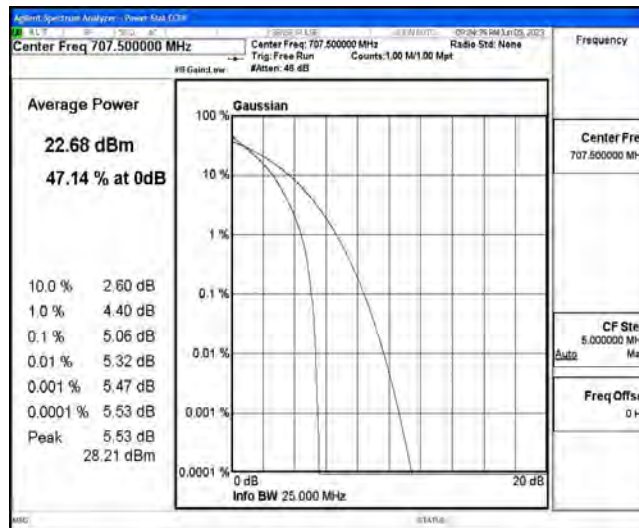


Test Graphs

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

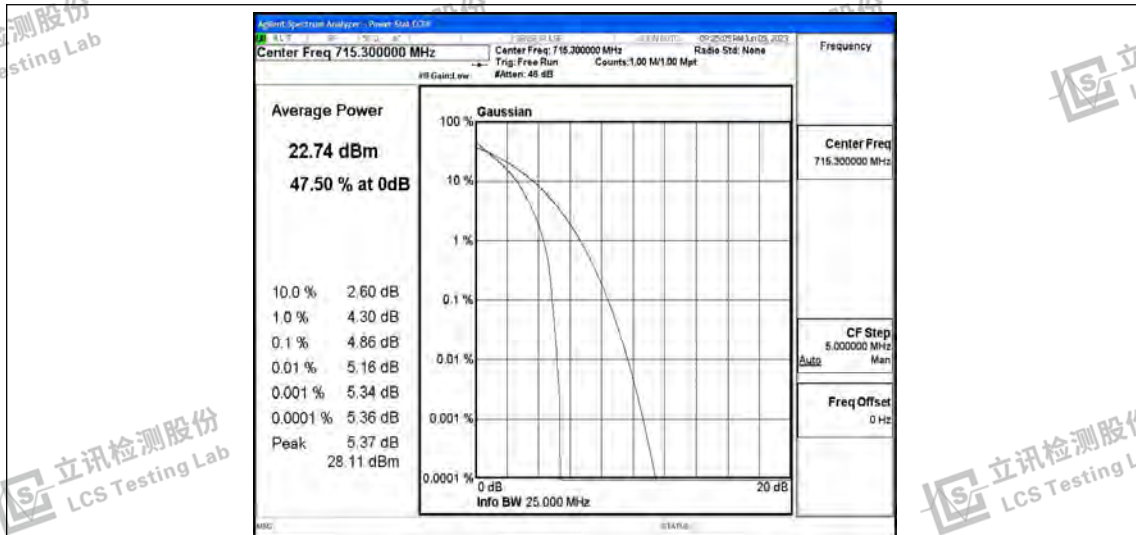


Band12-1.4MHz-QPSK-23095-6RB#0

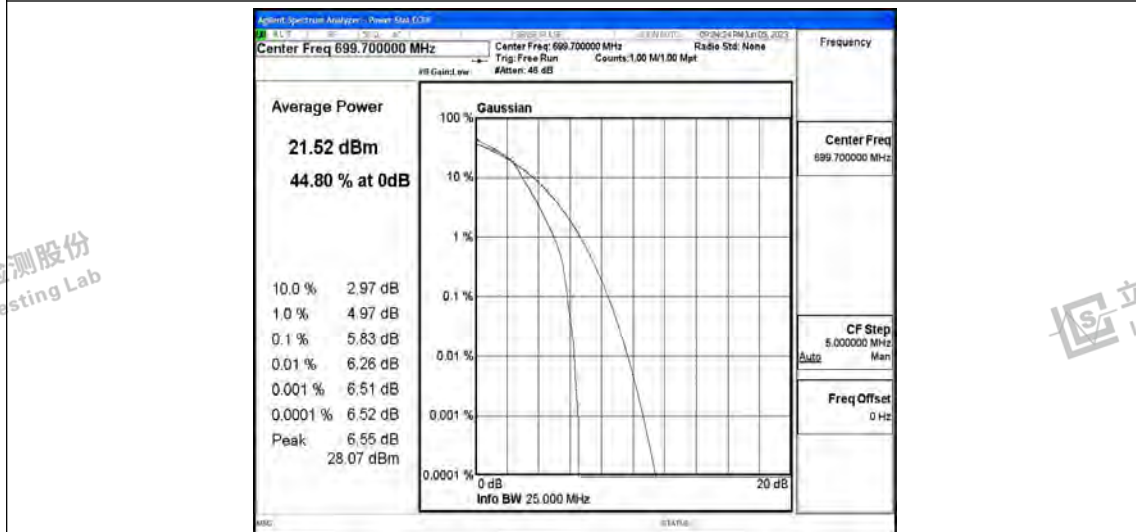


Band12-1.4MHz-QPSK-23173-6RB#0

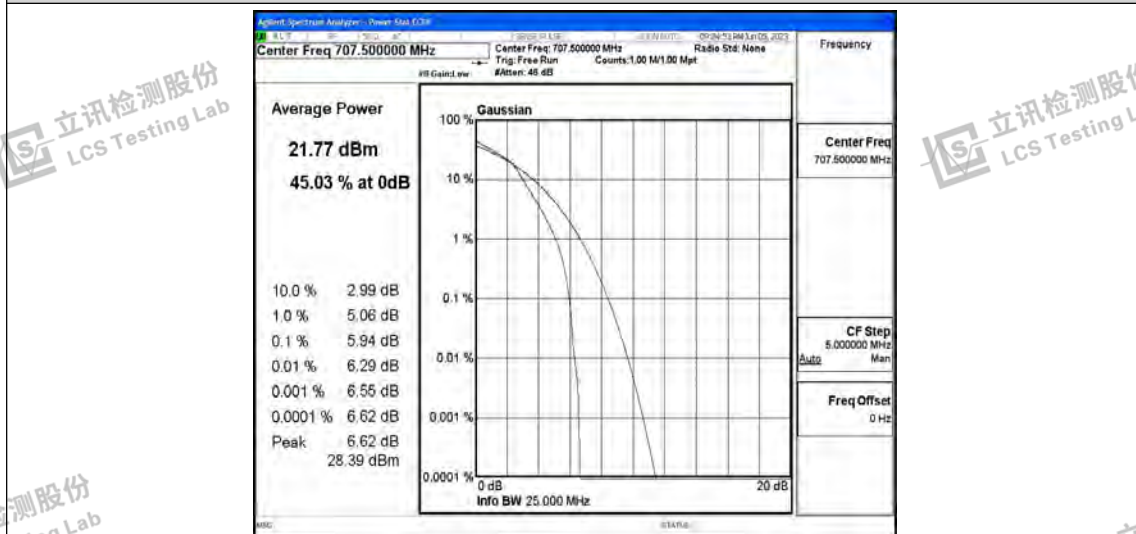




Band12-1.4MHz-16QAM-23017-6RB#0

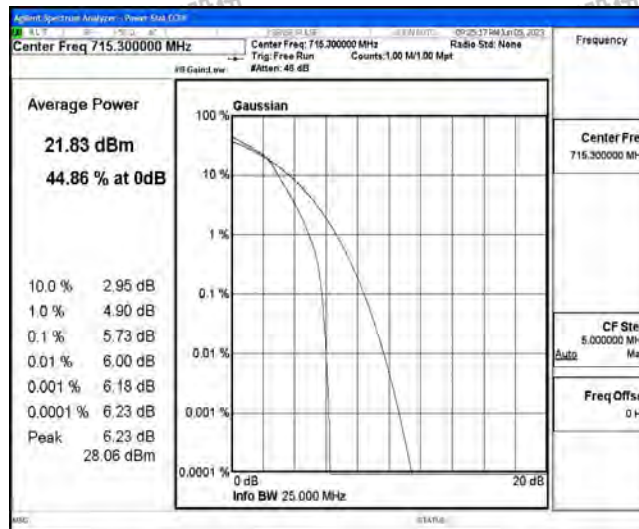


Band12-1.4MHz-16QAM-23095-6RB#0

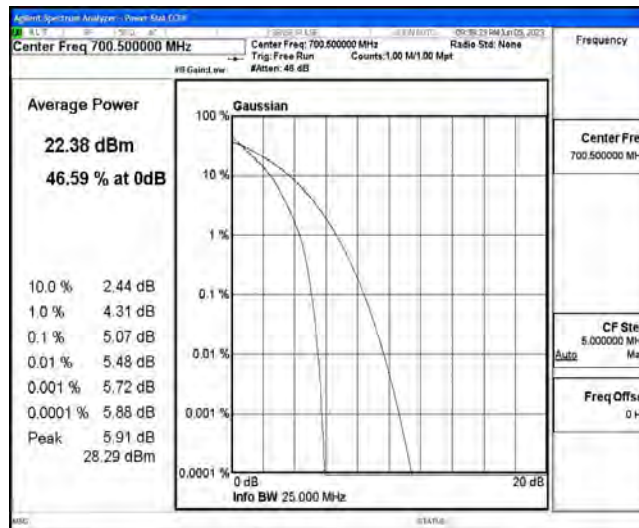


Band12-1.4MHz-16QAM-23173-6RB#0

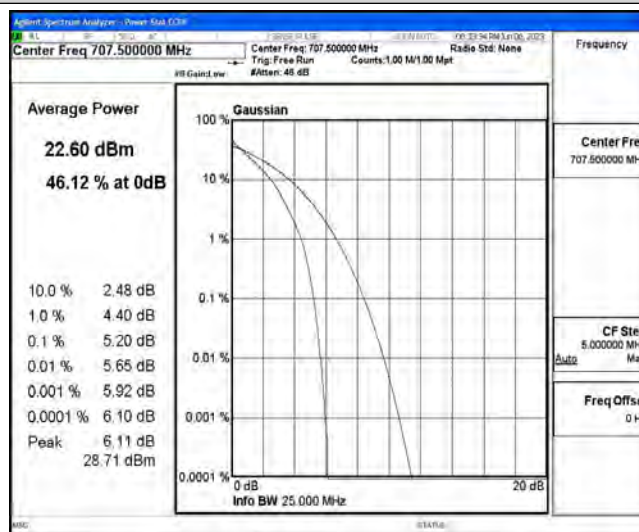




Band12-3MHz-QPSK-23025-15RB#0

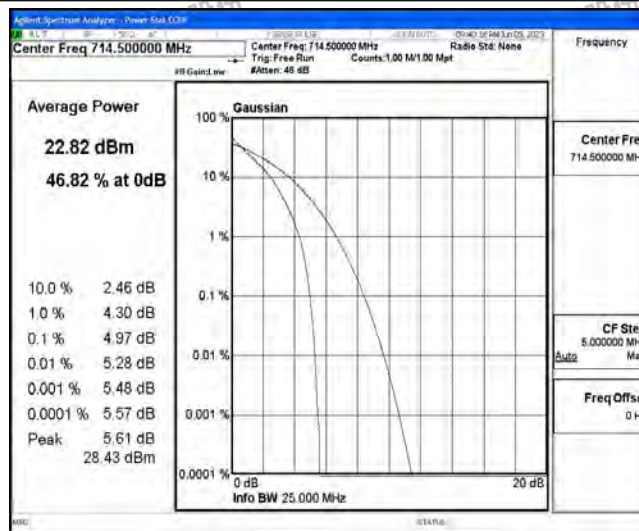
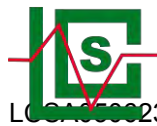


Band12-3MHz-QPSK-23095-15RB#0

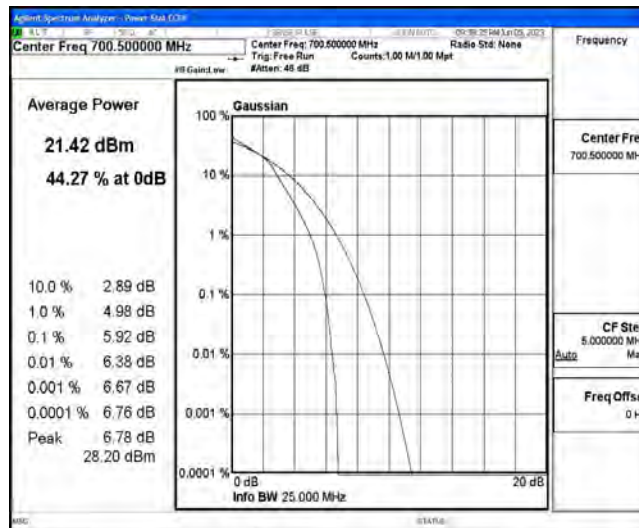


Band12-3MHz-QPSK-23165-15RB#0

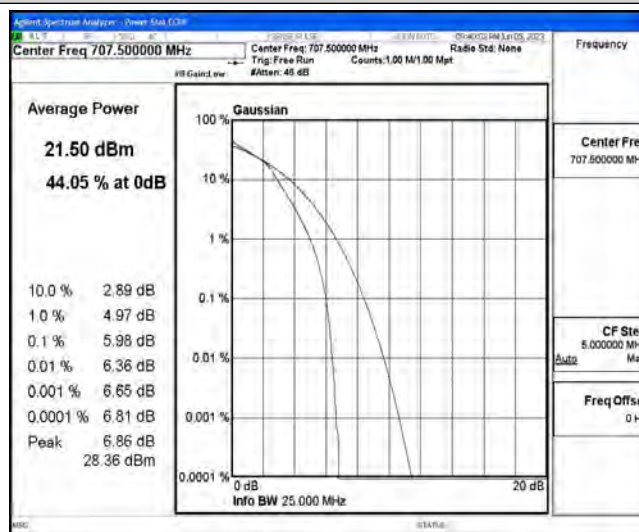




Band12-3MHz-16QAM-23025-15RB#0



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

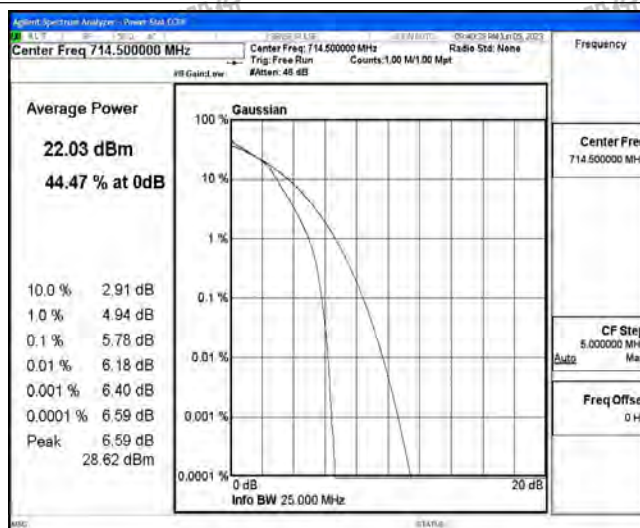


Band12-3MHz-16QAM-23165-15RB#0

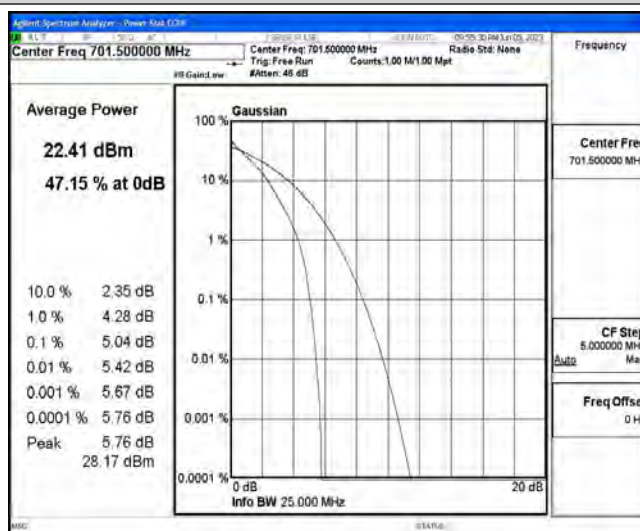




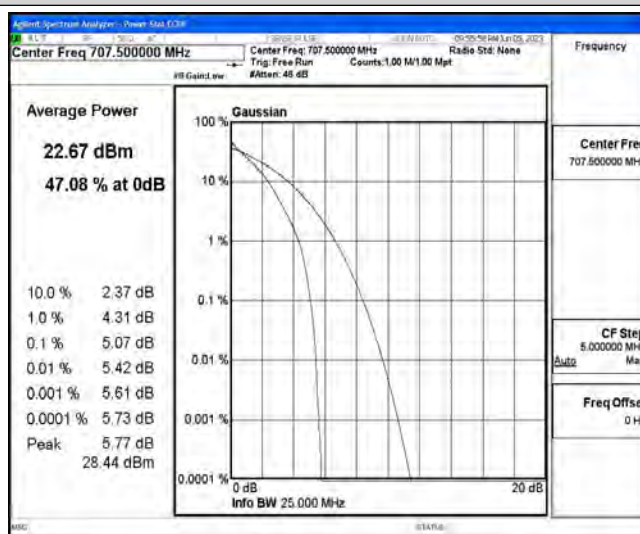
LC014300023047EB



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



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



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

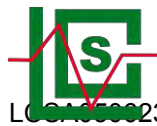


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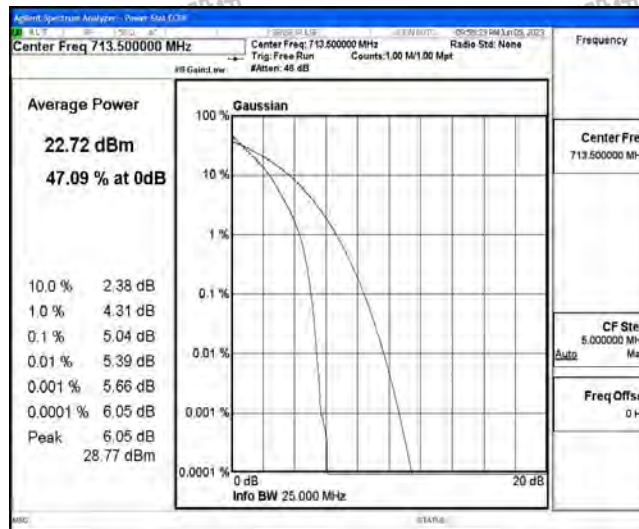
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

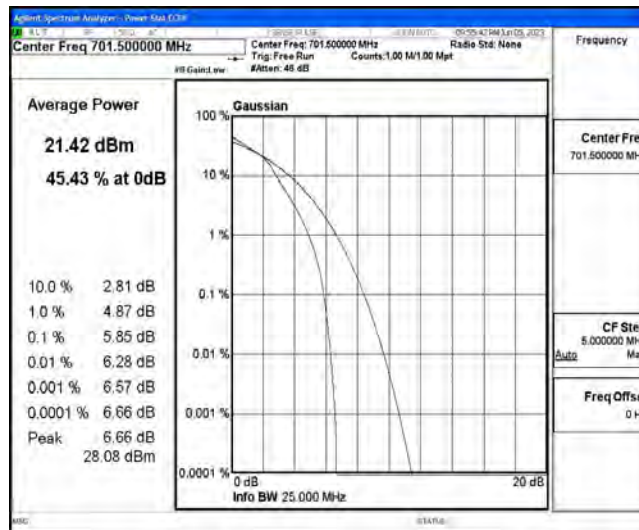
Scan code to check authenticity



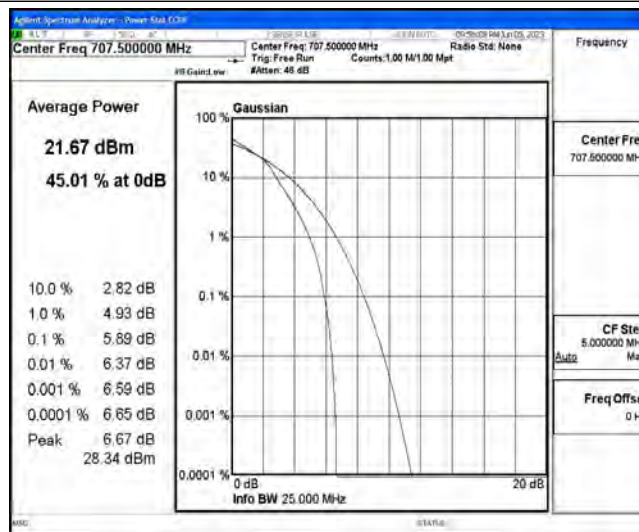
LC-23047EB



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

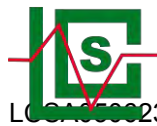


Band12-5MHz-16QAM-23095-25RB#0

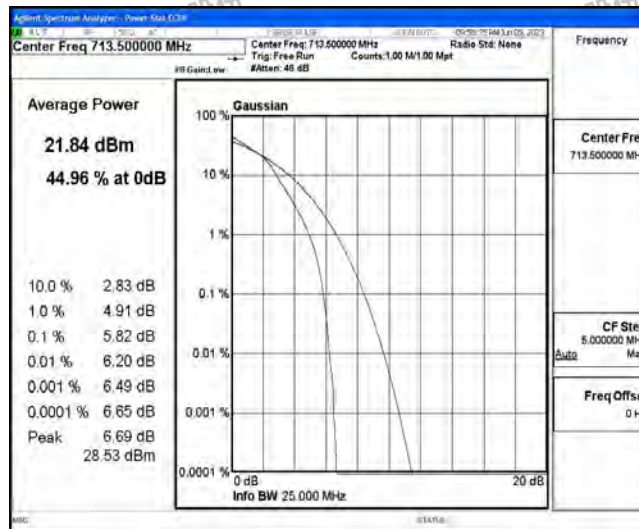


Band12-5MHz-16QAM-23155-25RB#0

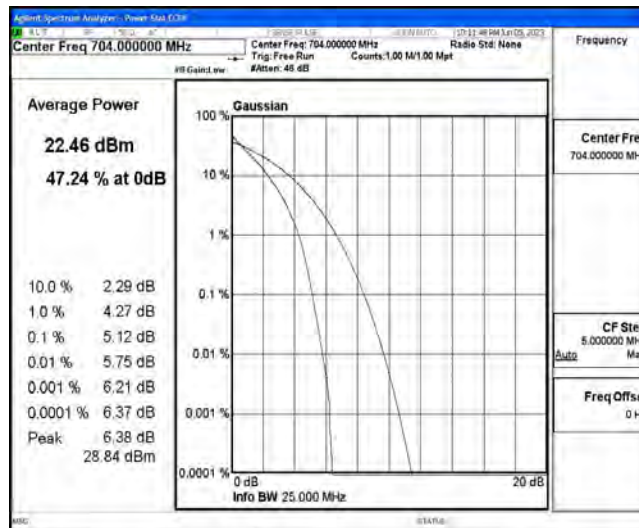




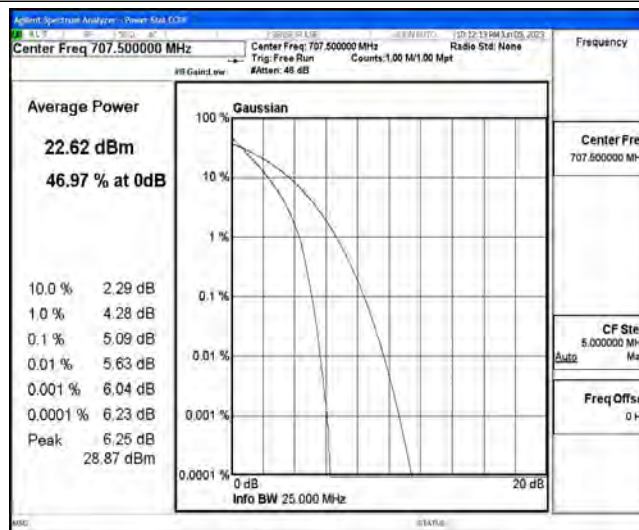
LC 014300023047EB



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

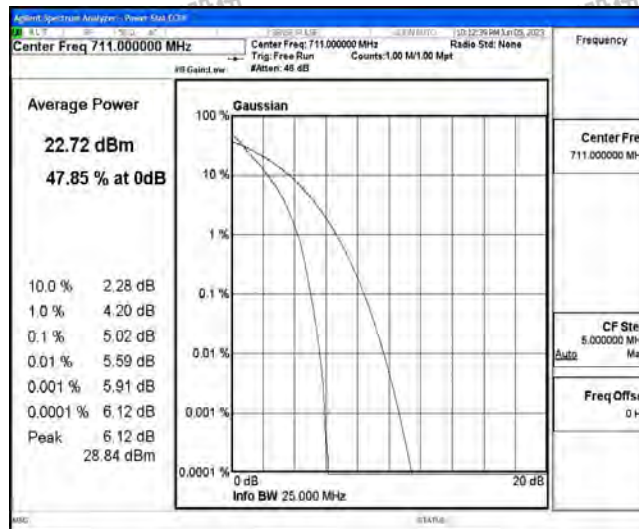
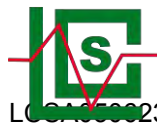


Band12-10MHz-QPSK-23095-50RB#0

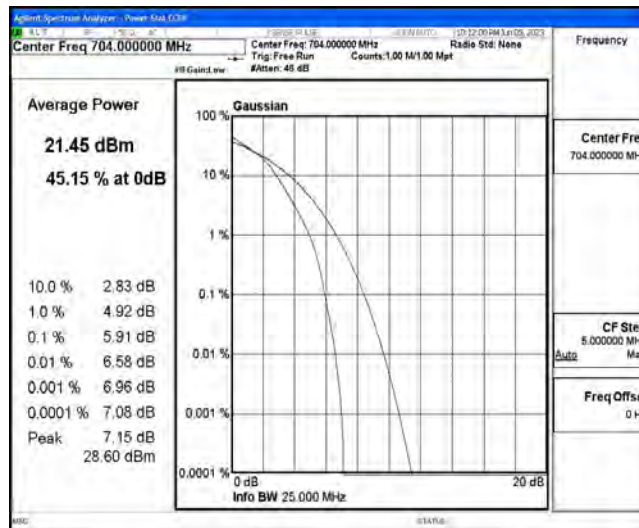


Band12-10MHz-QPSK-23130-50RB#0

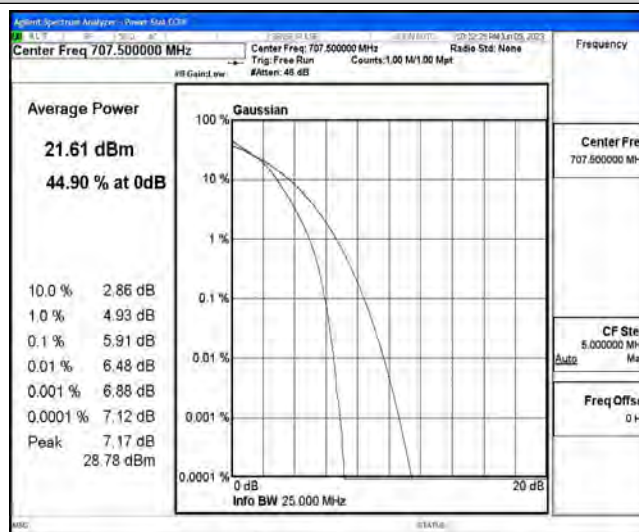




Band12-10MHz-16QAM-23060-50RB#0

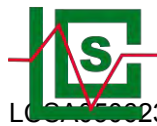


Band12-10MHz-16QAM-23095-50RB#0

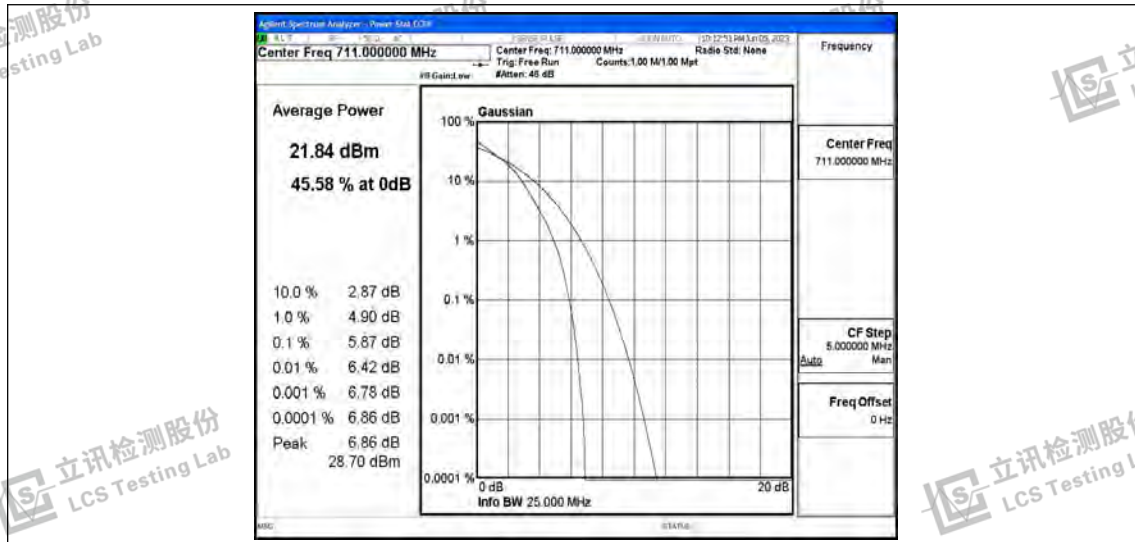


Band12-10MHz-16QAM-23130-50RB#0





LC614300023047EB



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E.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	1.0930	1.289	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0902	1.264	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0926	1.307	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0992	1.292	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0903	1.287	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0894	1.275	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7033	2.962	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6973	2.961	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6969	2.953	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6961	2.982	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6963	2.965	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6970	2.971	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5111	5.031	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4974	4.985	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5072	5.009	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4975	5.008	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5139	5.026	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5153	4.985	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9727	10.02	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9687	9.938	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9513	9.868	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9671	9.861	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9814	9.888	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9496	9.873	PASS



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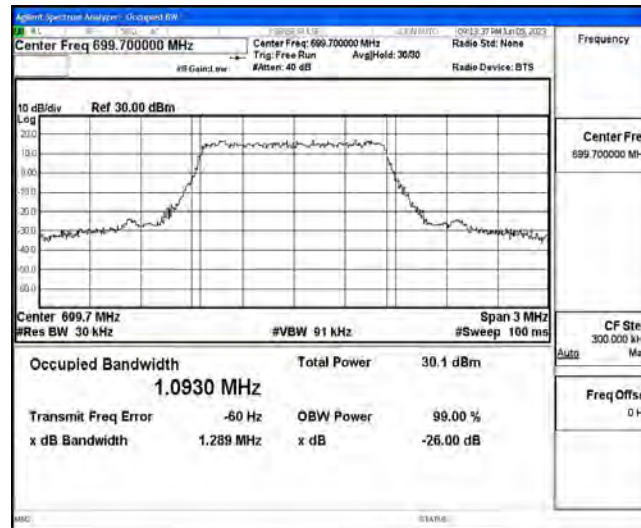
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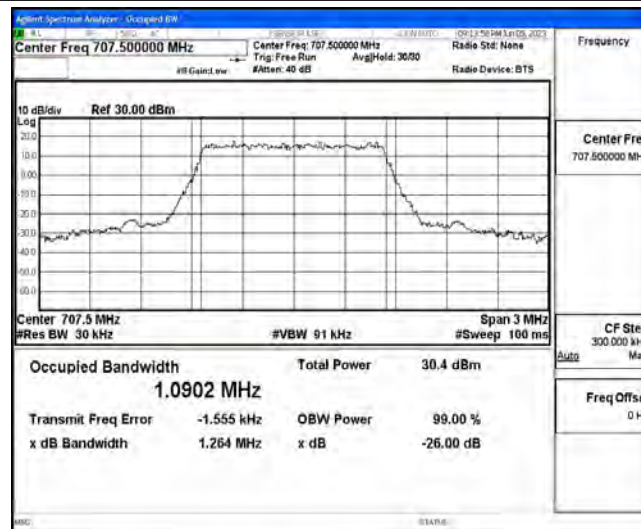
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Test Graphs

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



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



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

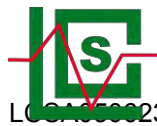


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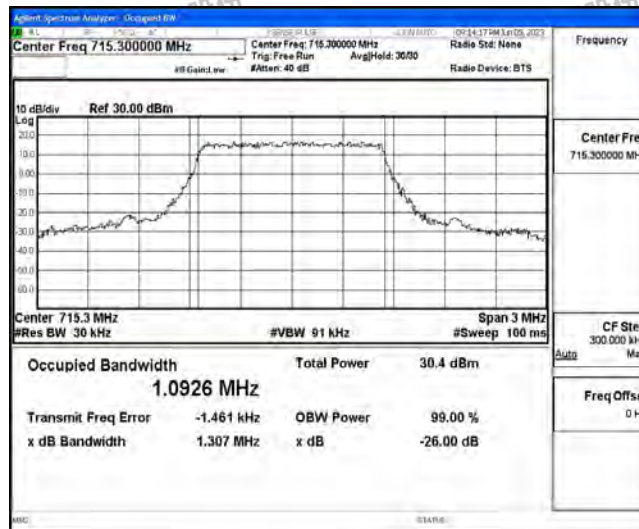
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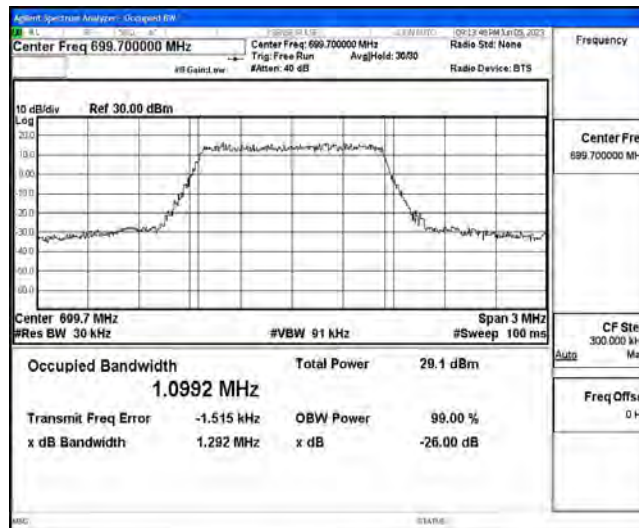
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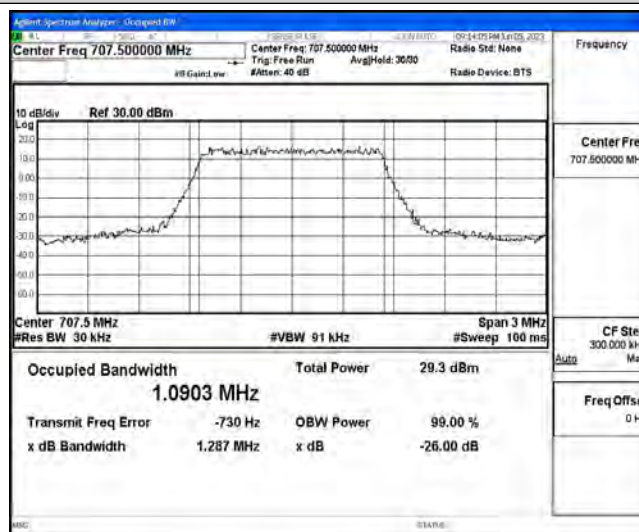
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Band12-1.4MHz-16QAM-23017-6RB#0



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



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

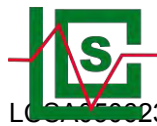


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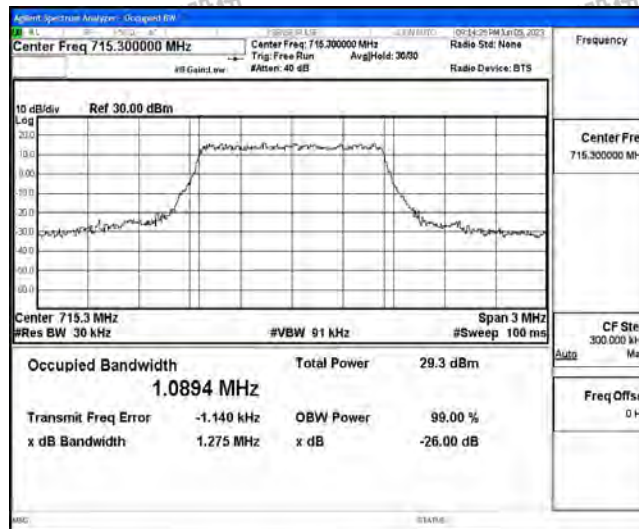
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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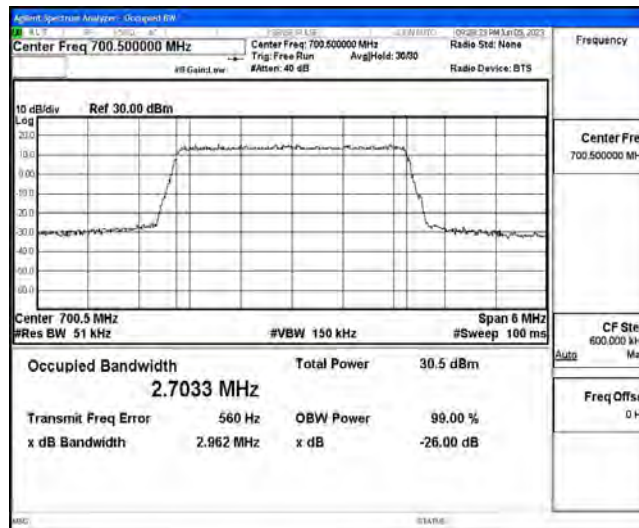
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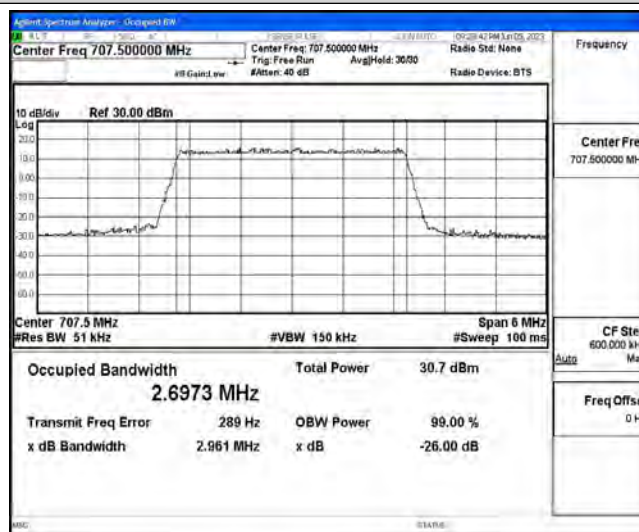
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Band12-3MHz-QPSK-23025-15RB#0

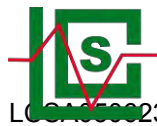


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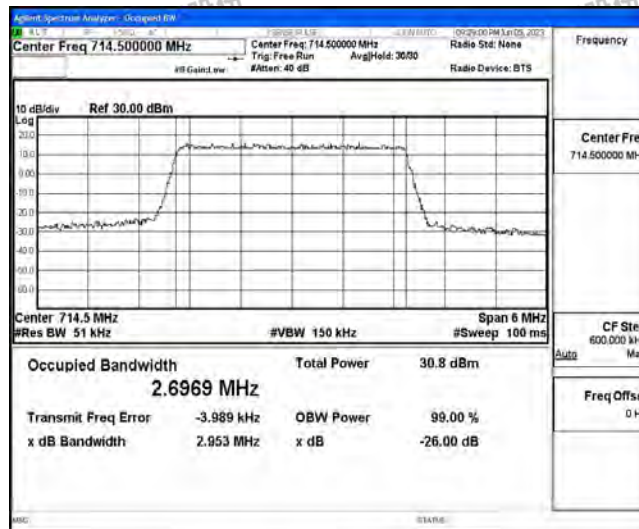


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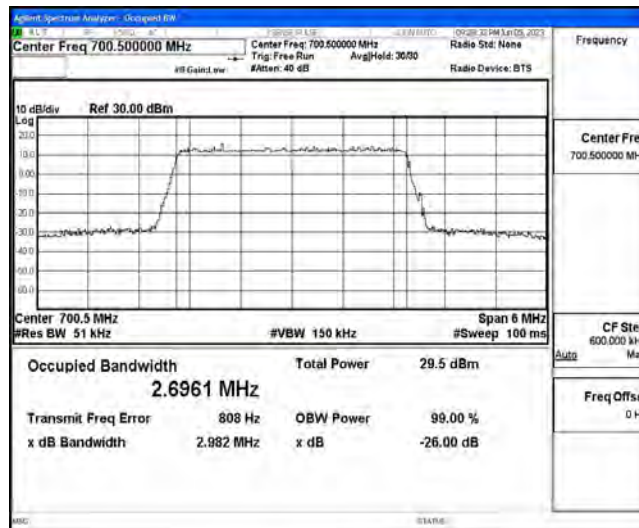




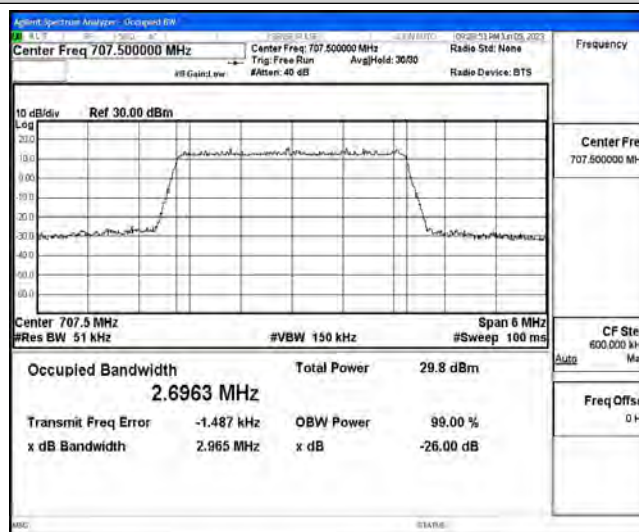
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Band12-3MHz-16QAM-23025-15RB#0



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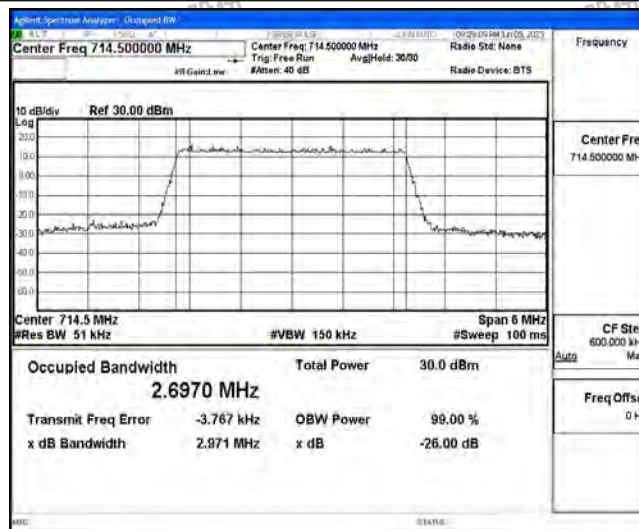


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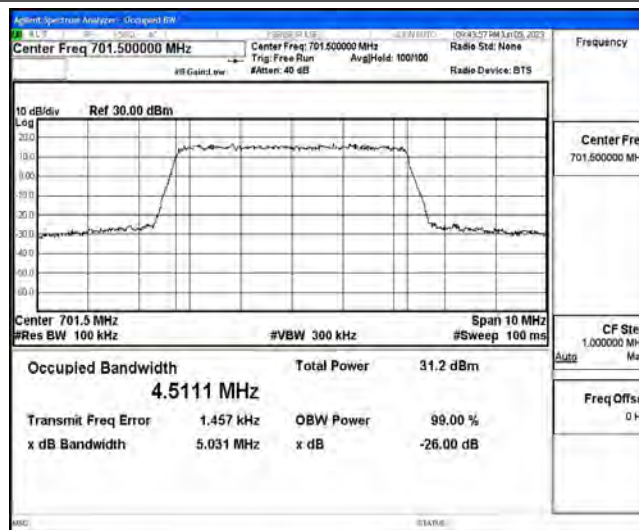




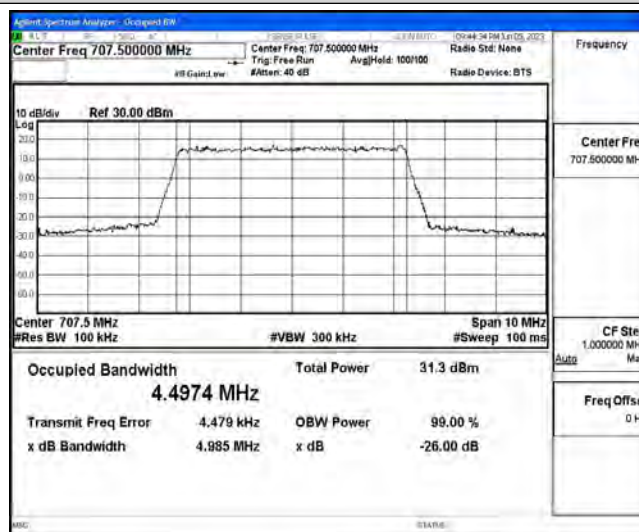
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Band12-5MHz-QPSK-23035-25RB#0



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



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

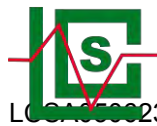


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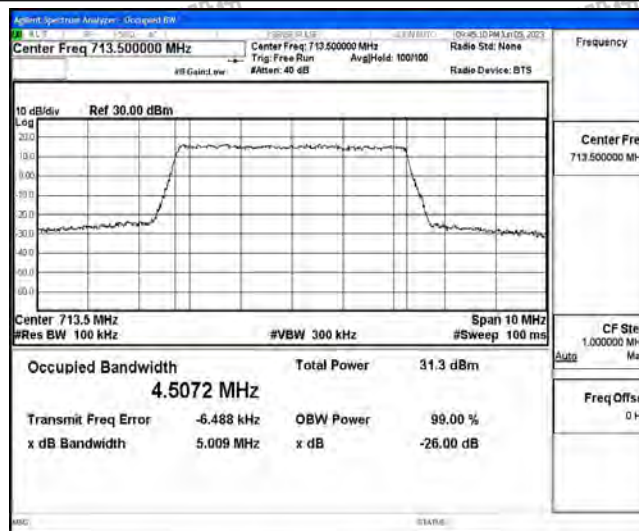
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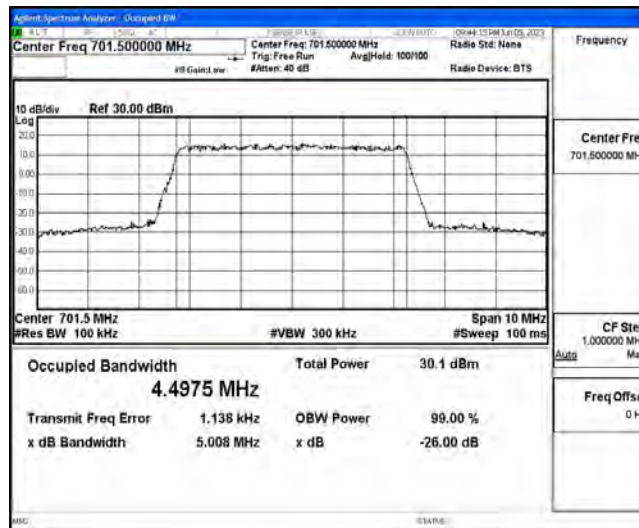
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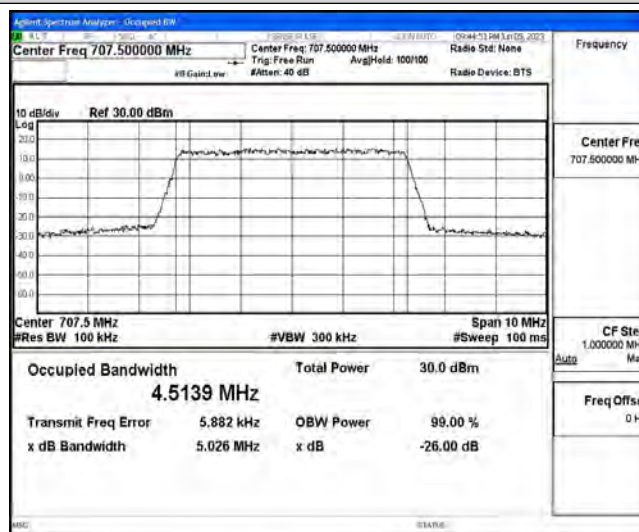
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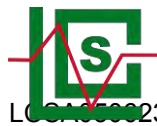


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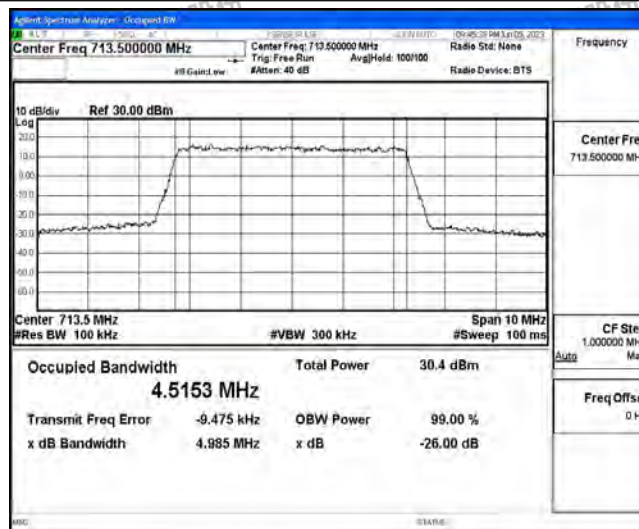


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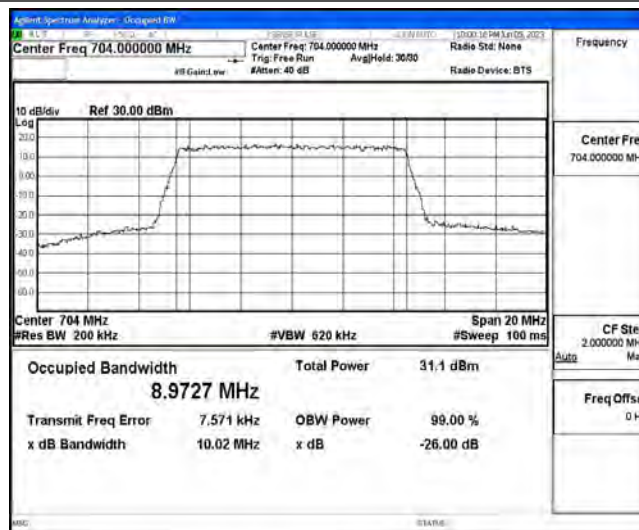




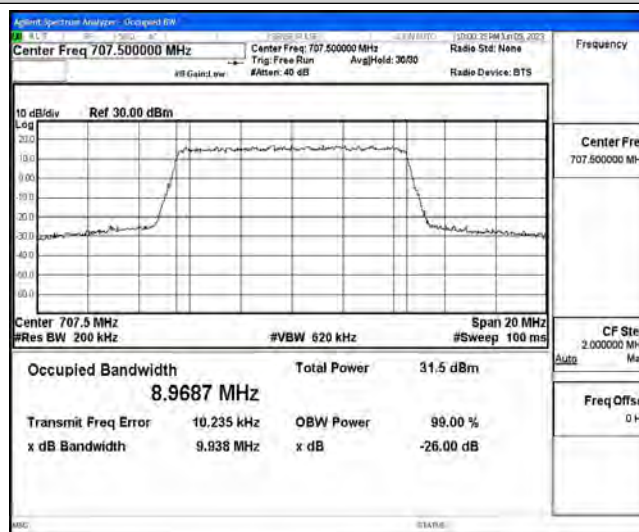
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Band12-10MHz-QPSK-23060-50RB#0

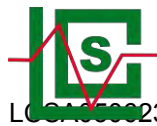


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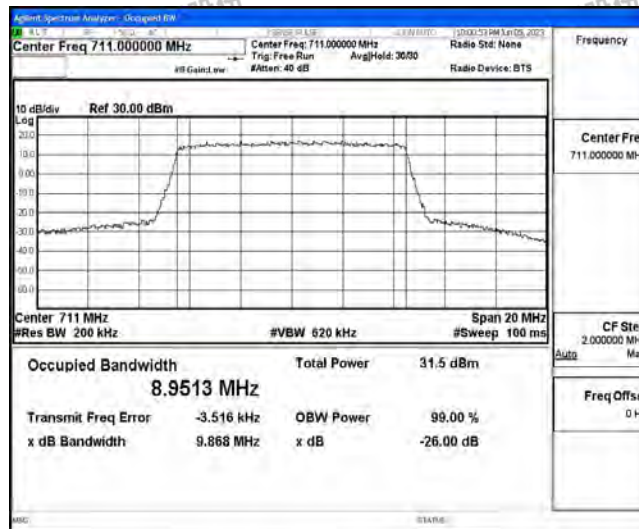


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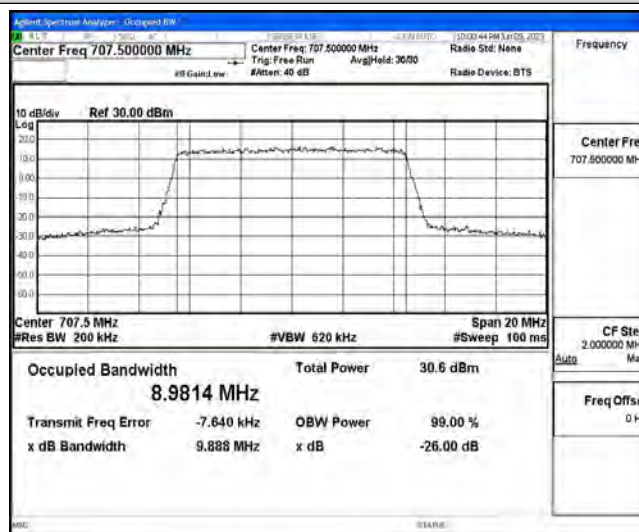
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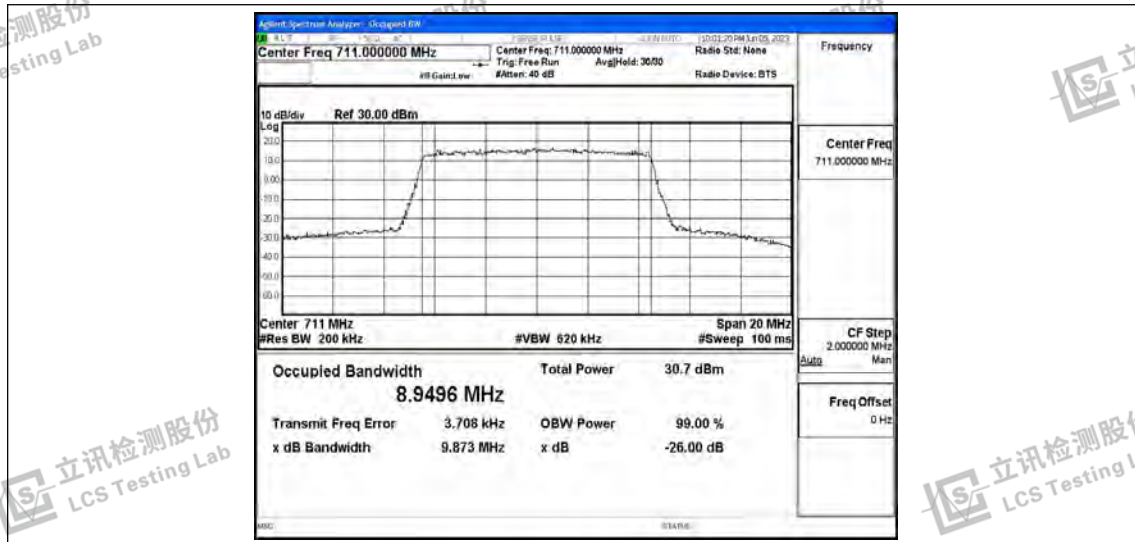


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LC 014300023047EB



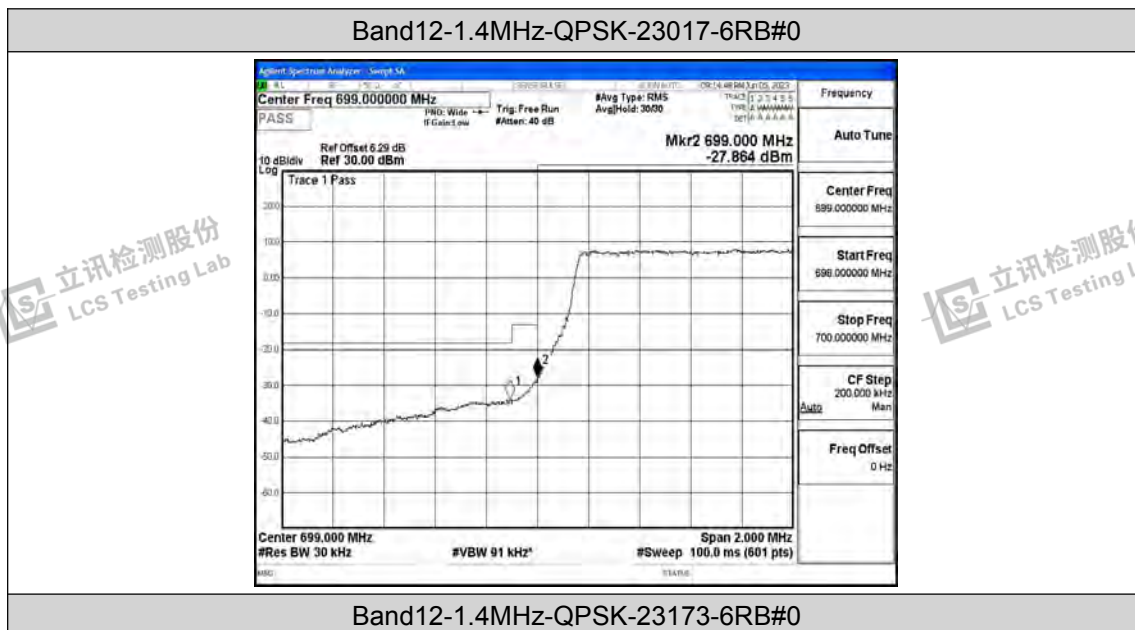


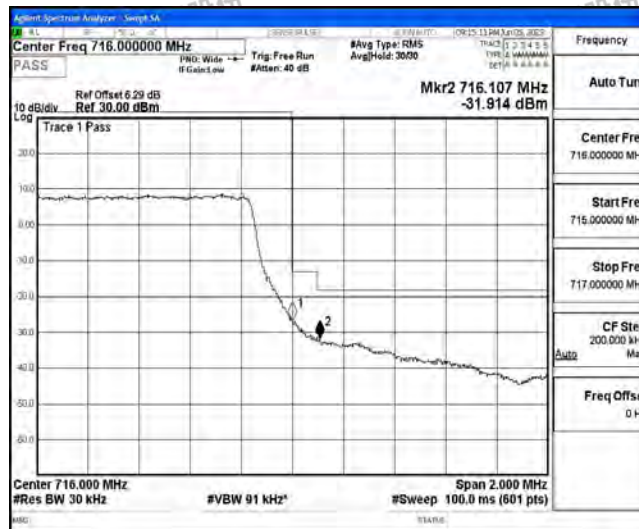
E.4 Band Edge

Test Result

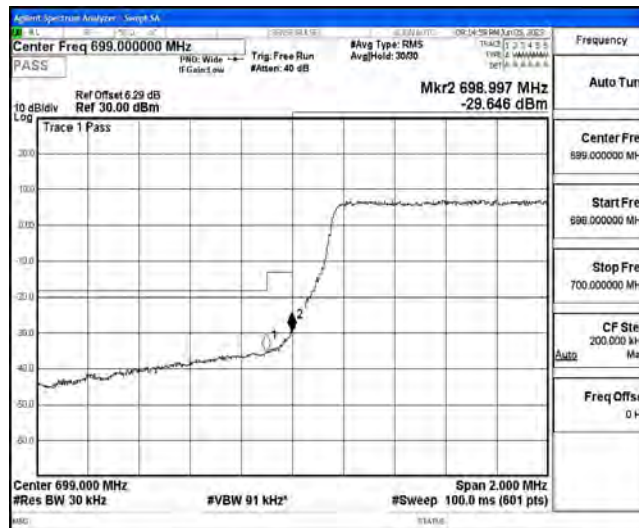
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-33.87,-27.86	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-26.86,-31.91	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-35.52,-29.65	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-28.00,-32.78	PASS
Band12	3MHz	QPSK	23025	15RB#0	-34.29,-24.90	PASS
Band12	3MHz	QPSK	23165	15RB#0	-25.36,-33.51	PASS
Band12	3MHz	16QAM	23025	15RB#0	-35.49,-26.72	PASS
Band12	3MHz	16QAM	23165	15RB#0	-27.06,-34.95	PASS
Band12	5MHz	QPSK	23035	25RB#0	-25.35	PASS
Band12	5MHz	QPSK	23155	25RB#0	-25.24	PASS
Band12	5MHz	16QAM	23035	25RB#0	-26.46	PASS
Band12	5MHz	16QAM	23155	25RB#0	-26.47	PASS
Band12	10MHz	QPSK	23060	50RB#0	-30.54,-28.44	PASS
Band12	10MHz	QPSK	23130	50RB#0	-28.75,-30.63	PASS
Band12	10MHz	16QAM	23060	50RB#0	-32.27,-30.06	PASS
Band12	10MHz	16QAM	23130	50RB#0	-30.20,-32.28	PASS

Test Graphs

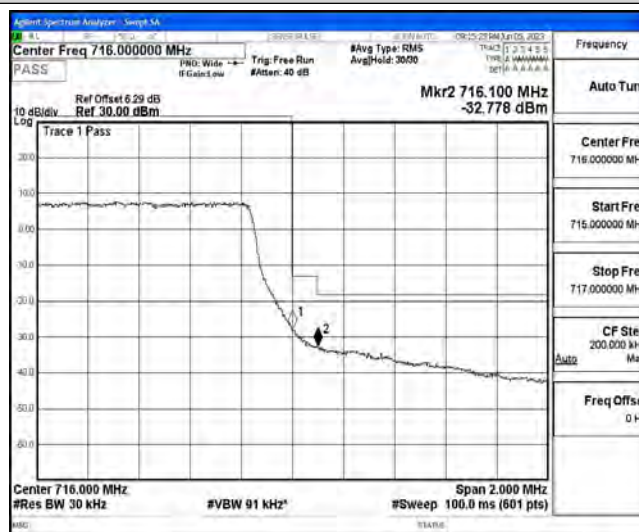




Band12-1.4MHz-16QAM-23017-6RB#0



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

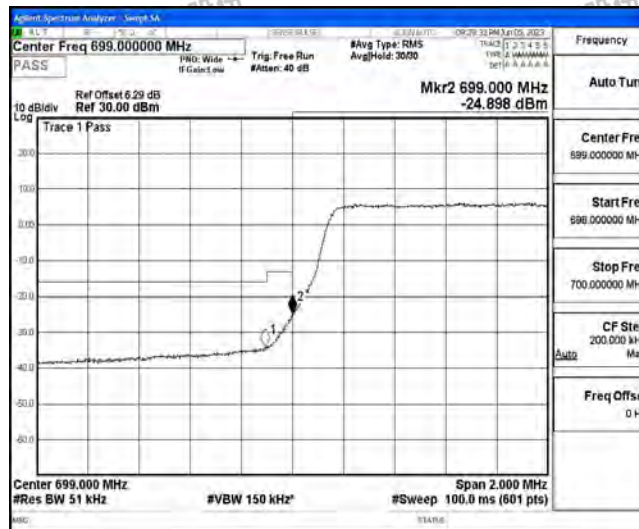


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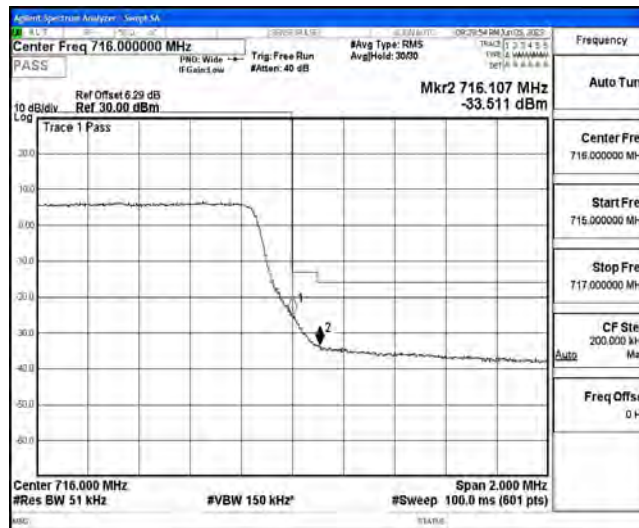




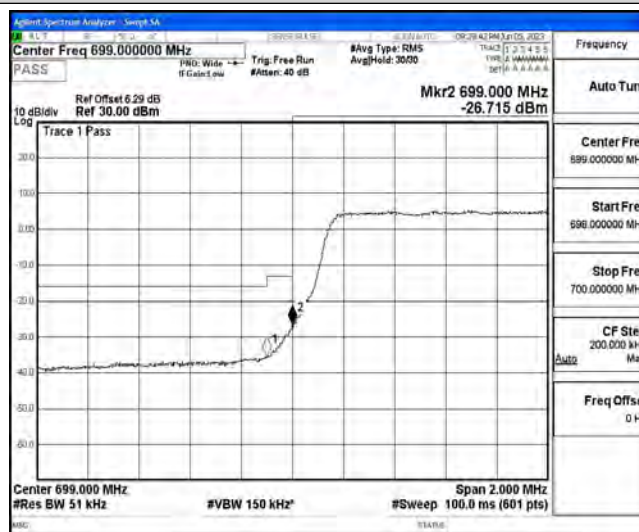
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Band12-3MHz-QPSK-23165-15RB#0



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



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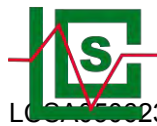


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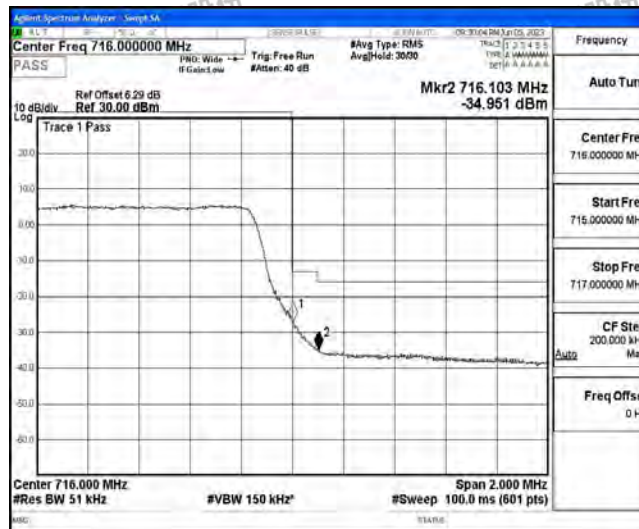
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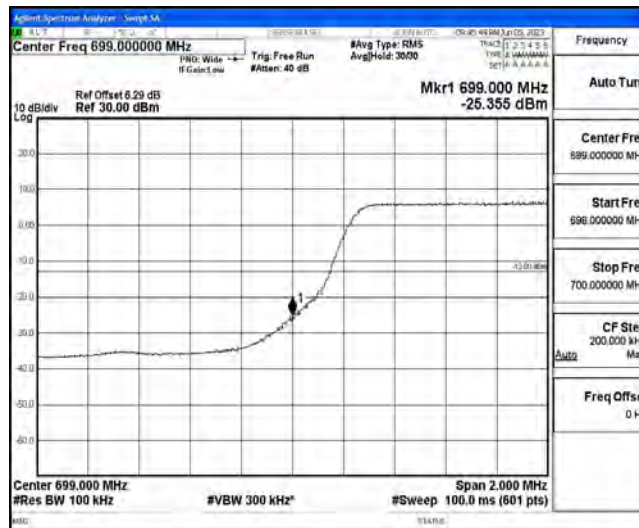
Scan code to check authenticity



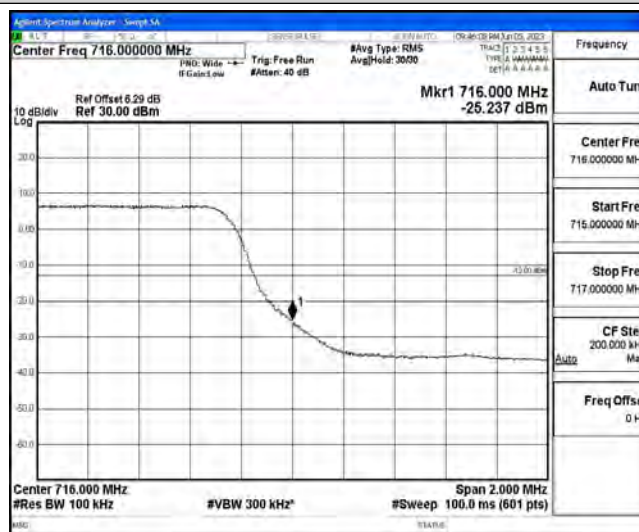
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Band12-5MHz-QPSK-23035-25RB#0



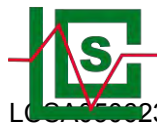
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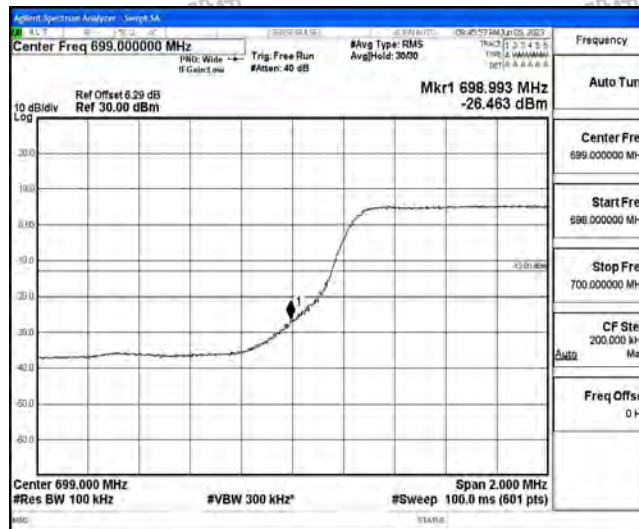
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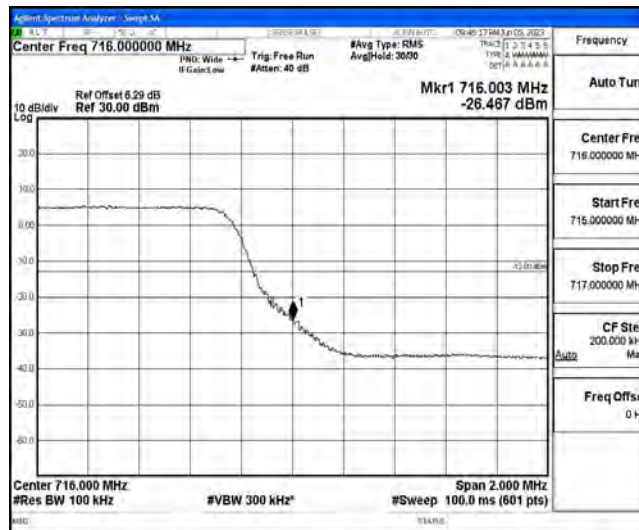
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Scan code to check authenticity



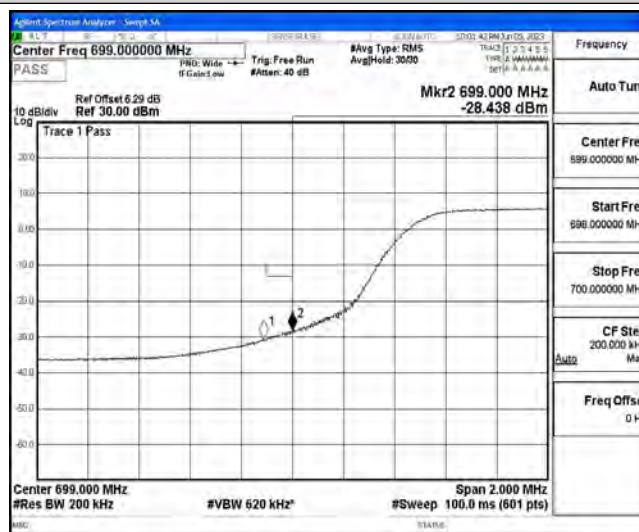
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Band12-5MHz-16QAM-23155-25RB#0



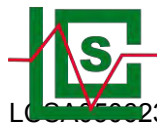
Band12-10MHz-QPSK-23060-50RB#0



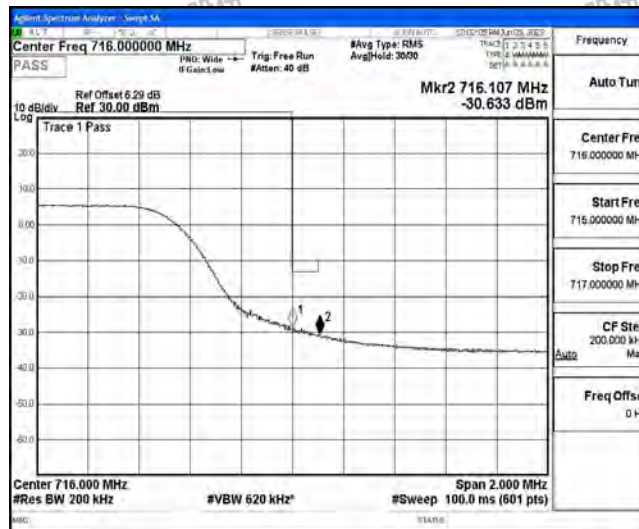
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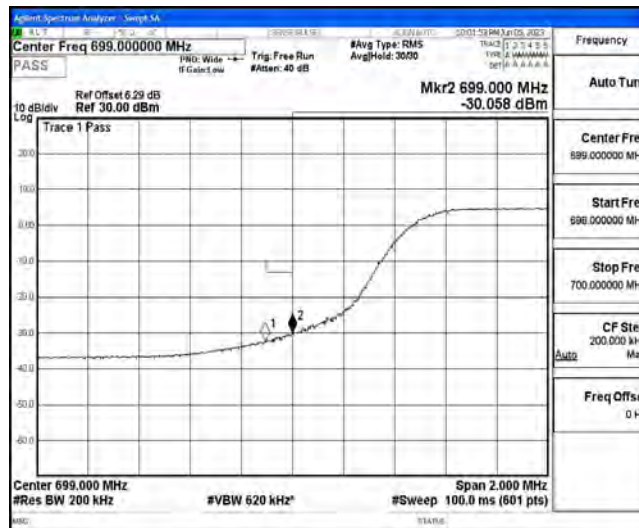
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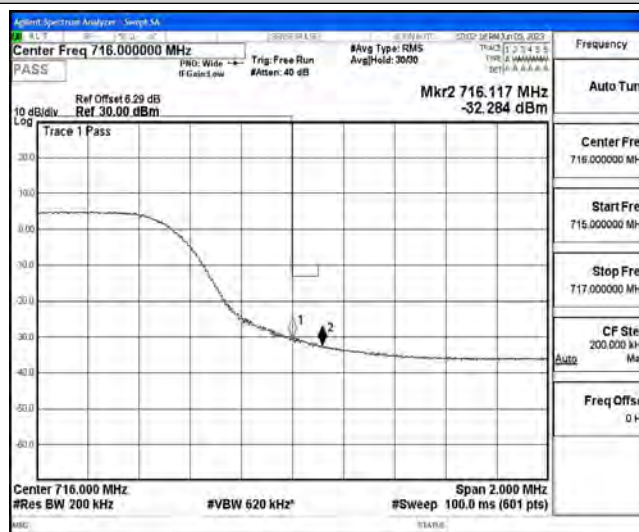
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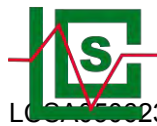


Band12-10MHz-16QAM-23060-50RB#0



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





E.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:0.009~0.15MHz	-55.49	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:0.15~30MHz	-52.55	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range3:30~1000MHz	-41.22	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range4:1000~10000MHz	-44.92	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-56.14	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-50.92	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.12	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:0.009~0.15MHz	-56.38	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:0.15~30MHz	-50.12	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range3:30~1000MHz	-41.51	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range4:1000~10000MHz	-44.98	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:0.009~0.15MHz	-56.58	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:0.15~30MHz	-49.53	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range3:30~1000MHz	-40.85	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range4:1000~10000MHz	-44.72	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.35	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-49.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-39.93	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.67	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:0.009~0.15MHz	-53.43	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:0.15~30MHz	-51.42	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range3:30~1000MHz	-41.8	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:0.009~0.15MHz	-54.65	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:0.15~30MHz	-50.32	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range3:30~1000MHz	-41.02	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range4:1000~10000MHz	-44.67	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-55.43	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-52.24	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.8	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:0.009~0.15MHz	-54.91	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:0.15~30MHz	-52.02	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range3:30~1000MHz	-41.3	PASS

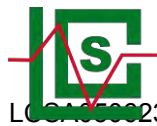


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Band12	3MHz	QPSK	23165	1RB#0	Range4:1000~10000MHz	-44.62	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:0.009~0.15MHz	-54.21	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:0.15~30MHz	-50.86	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range3:30~1000MHz	-40.89	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.81	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-51.58	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.38	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-45.06	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:0.009~0.15MHz	-54.32	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:0.15~30MHz	-51.73	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range3:30~1000MHz	-41.82	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range4:1000~10000MHz	-45.01	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:0.009~0.15MHz	-55.38	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:0.15~30MHz	-49.82	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range3:30~1000MHz	-39.97	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range4:1000~10000MHz	-44.65	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-56.23	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-50	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.97	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.92	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:0.009~0.15MHz	-56.45	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:0.15~30MHz	-51.38	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range3:30~1000MHz	-41.4	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range4:1000~10000MHz	-44.16	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:0.009~0.15MHz	-56.57	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:0.15~30MHz	-51.96	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range3:30~1000MHz	-40.92	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-54.17	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-51.98	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-41.65	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.82	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:0.009~0.15MHz	-54.94	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:0.15~30MHz	-51.38	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range3:30~1000MHz	-42.18	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range4:1000~10000MHz	-44.86	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:0.009~0.15MHz	-57.18	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:0.15~30MHz	-49.13	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range3:30~1000MHz	-41.54	PASS

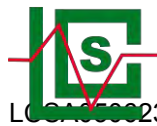


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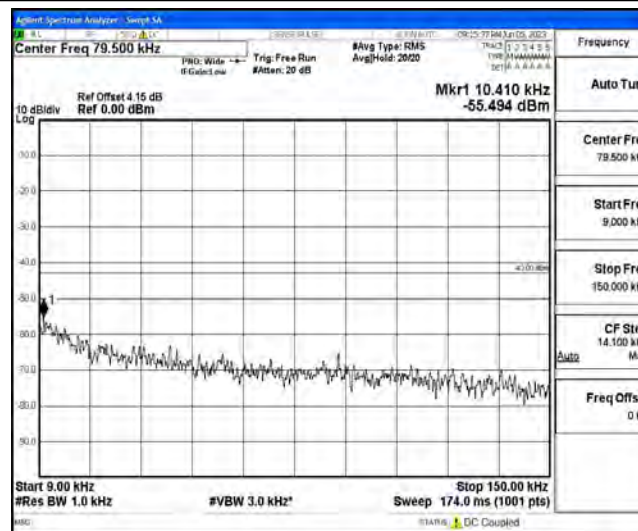


LC61400023047EB

Band12	10MHz	QPSK	23060	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-56.13	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-50.6	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.61	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:0.009~0.15MHz	-55.95	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:0.15~30MHz	-51.83	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range3:30~1000MHz	-40.59	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:0.009~0.15MHz	-54.71	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:0.15~30MHz	-50.41	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range3:30~1000MHz	-40.3	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-54.88	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-51.46	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:0.009~0.15MHz	-54.6	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:0.15~30MHz	-51.7	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range3:30~1000MHz	-41.68	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range4:1000~10000MHz	-44.93	PASS

Test Graphs

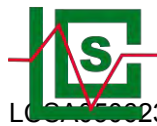
Band12-1.4MHz-QPSK-23017-1RB#0-Range1:0.009~0.15MHz



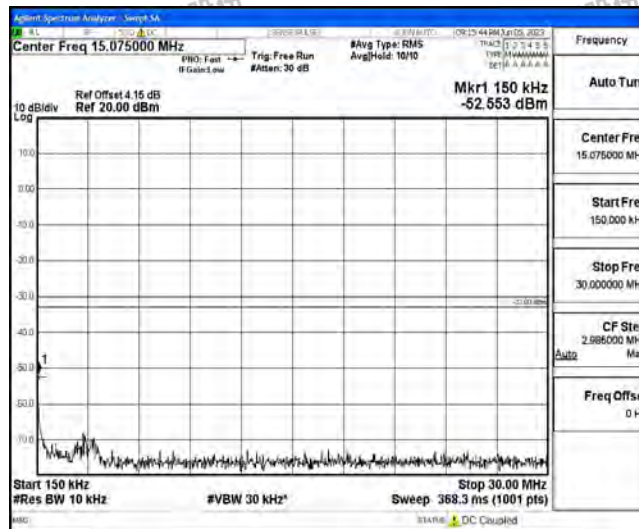
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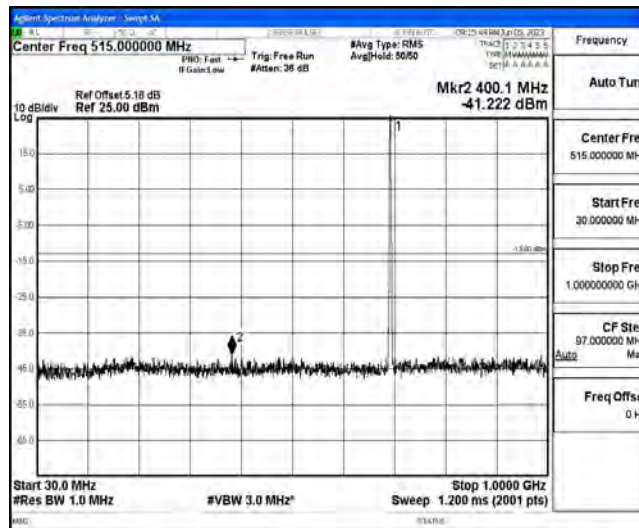
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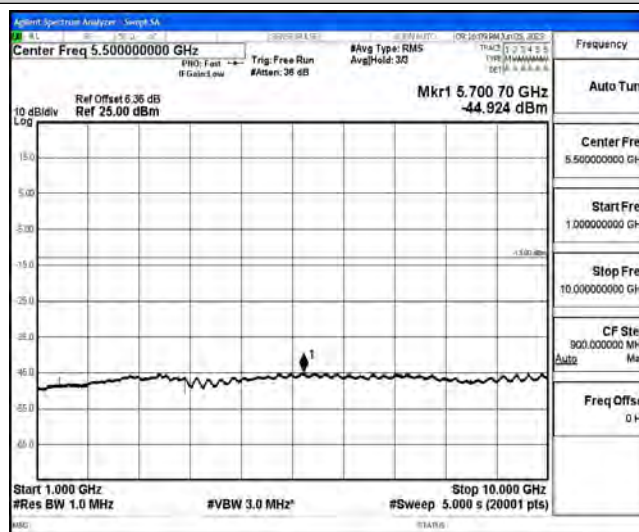
LC-23047EB



Band12-1.4MHz-QPSK-23017-1RB#0-Range3:30~1000MHz



Band12-1.4MHz-QPSK-23017-1RB#0-Range4:1000~10000MHz



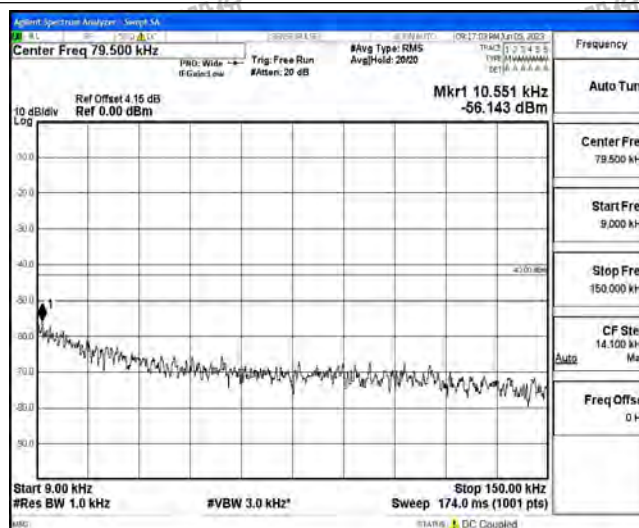
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz



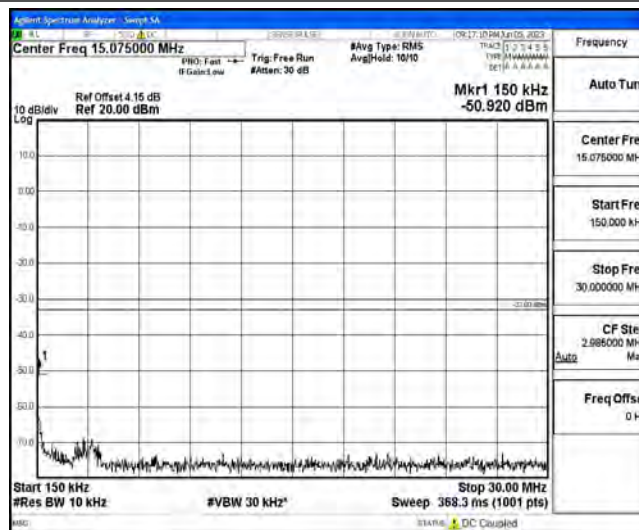
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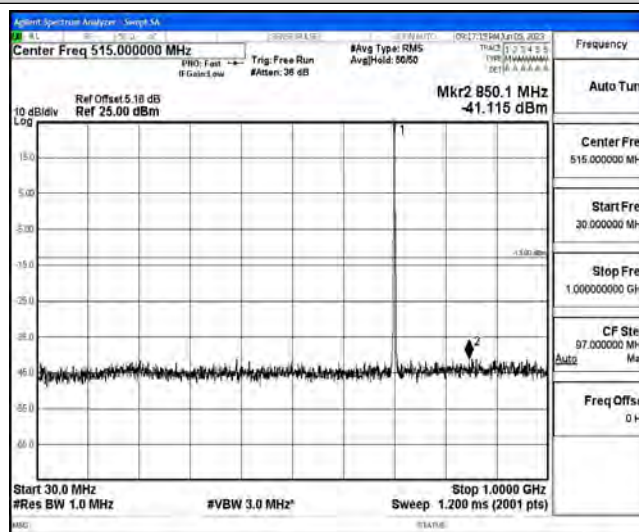
LC014000023047EB



Band12-1.4MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



Band12-1.4MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



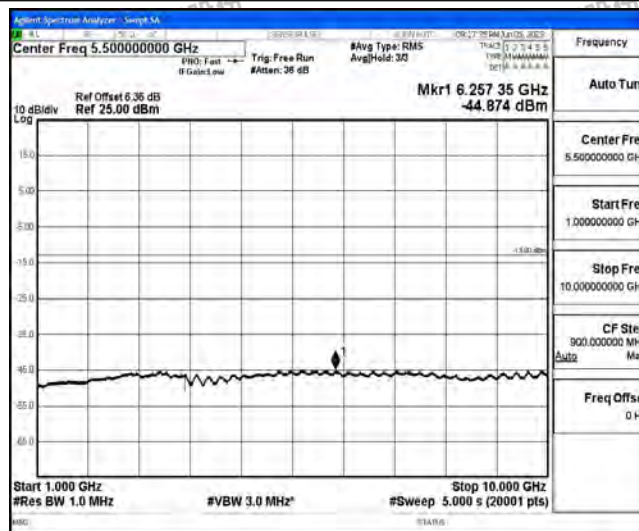
Band12-1.4MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz



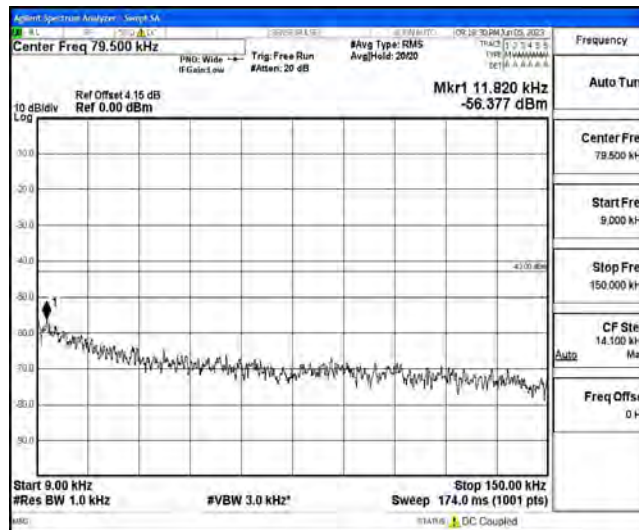
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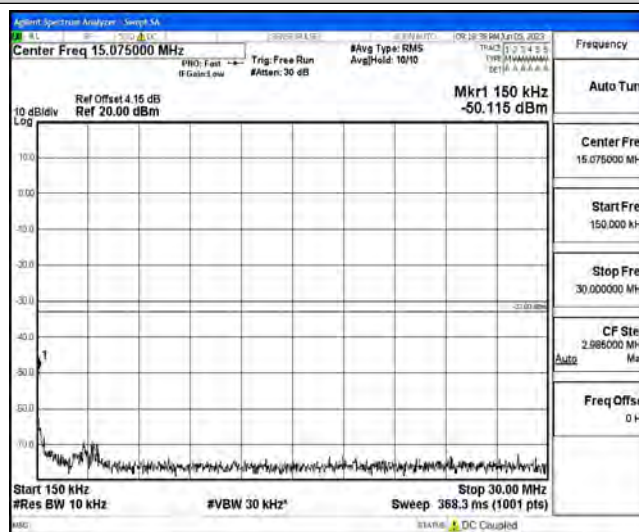
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Band12-1.4MHz-QPSK-23173-1RB#0-Range1:0.009~0.15MHz



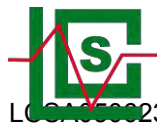
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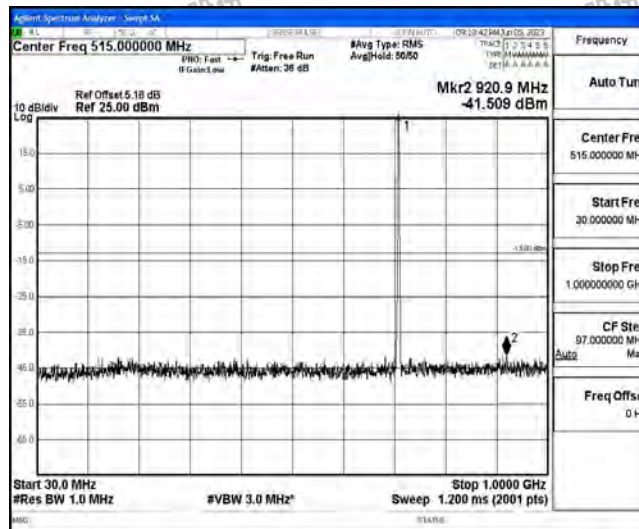
Band12-1.4MHz-QPSK-23173-1RB#0-Range3:30~1000MHz



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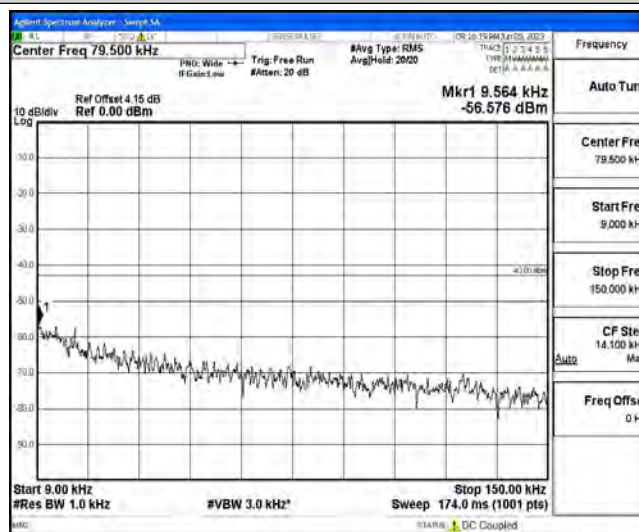
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Band12-1.4MHz-QPSK-23173-1RB#0-Range4:1000~10000MHz



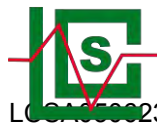
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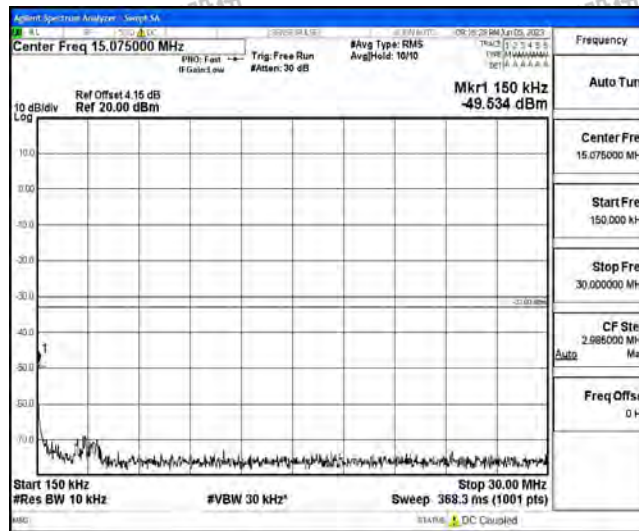
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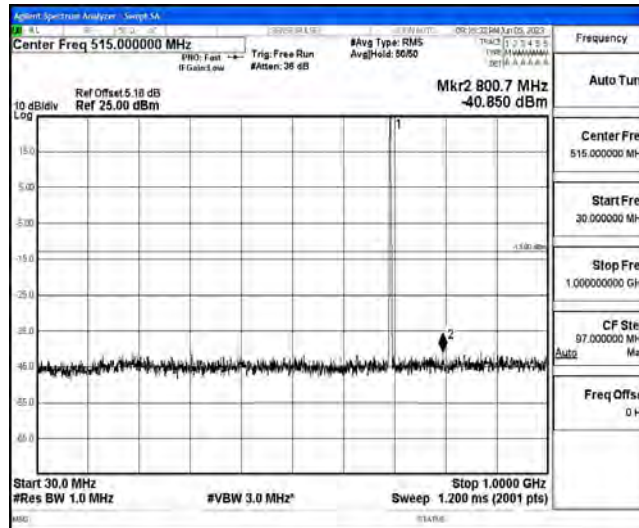
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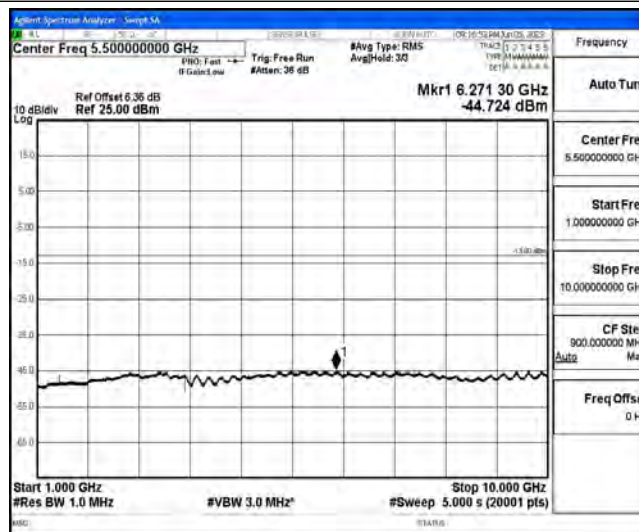
LC-23047EB



Band12-1.4MHz-16QAM-23017-1RB#0-Range3:30~1000MHz



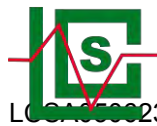
Band12-1.4MHz-16QAM-23017-1RB#0-Range4:1000~10000MHz



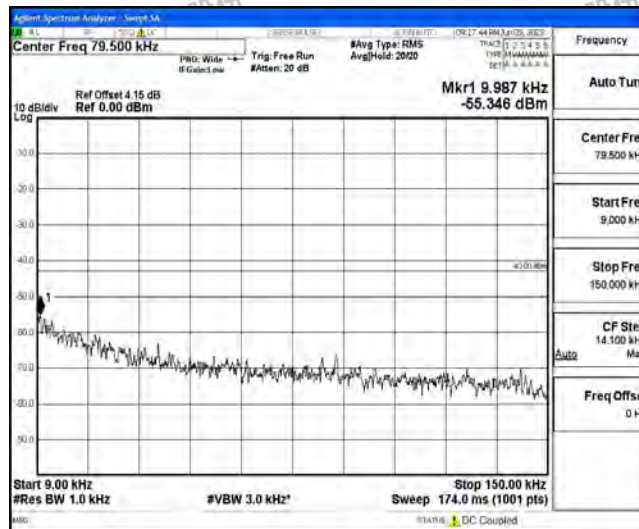
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:0.009~0.15MHz



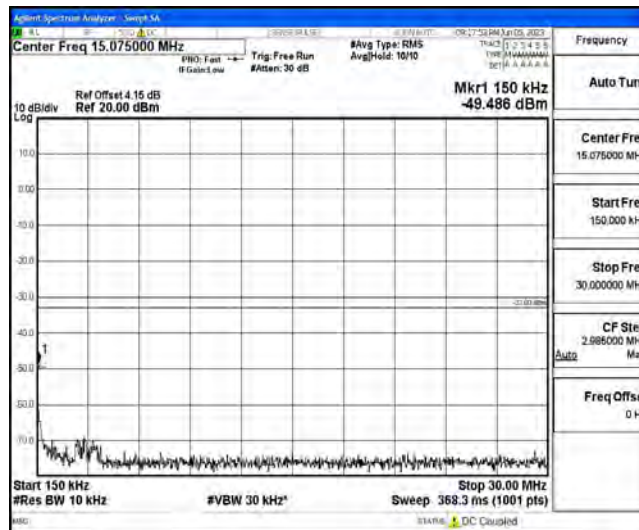
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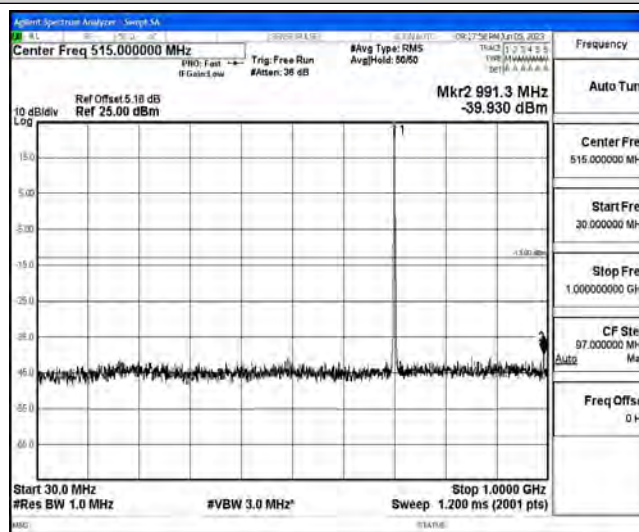
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Band12-1.4MHz-16QAM-23095-1RB#0-Range2:0.15~30MHz



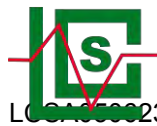
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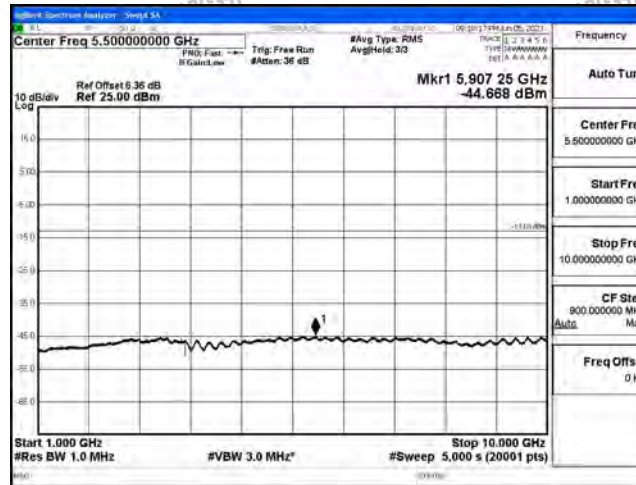
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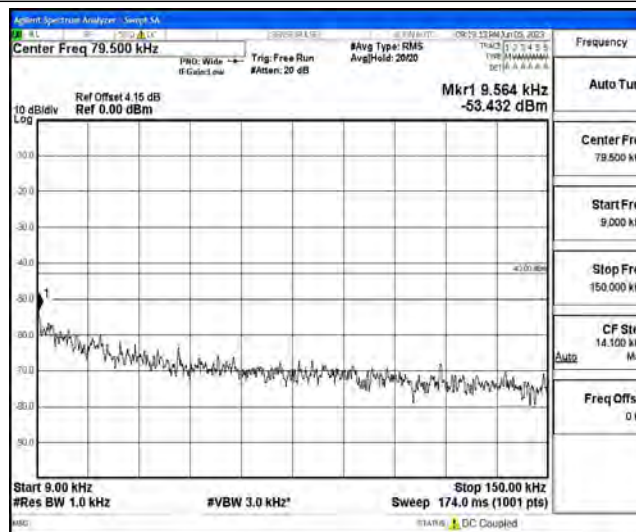
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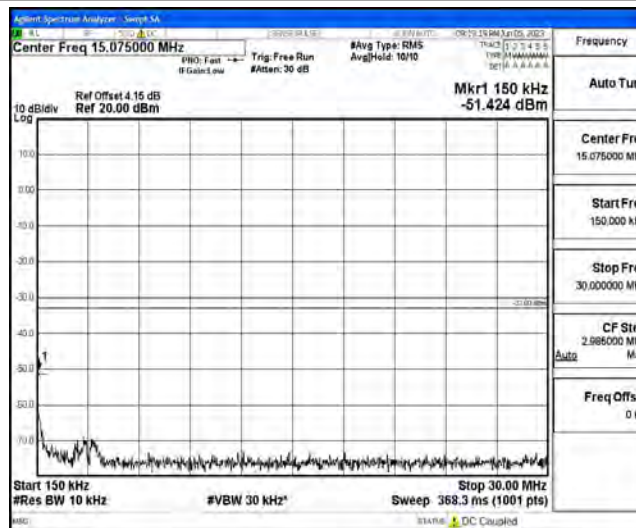
LC04300023047EB



Band12-1.4MHz-16QAM-23173-1RB#0-Range1:0.009~0.15MHz

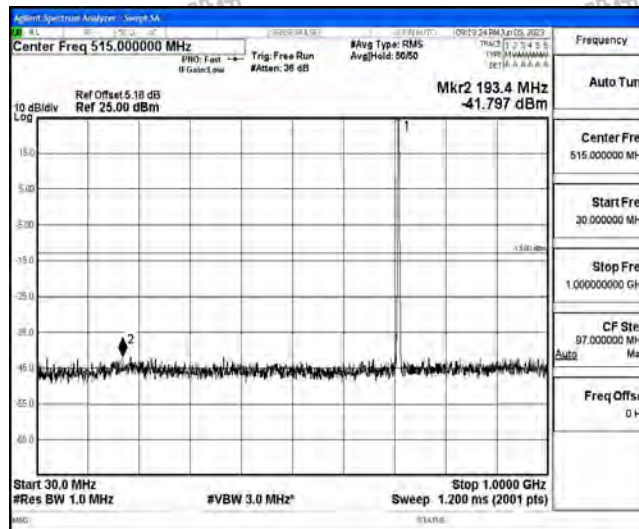


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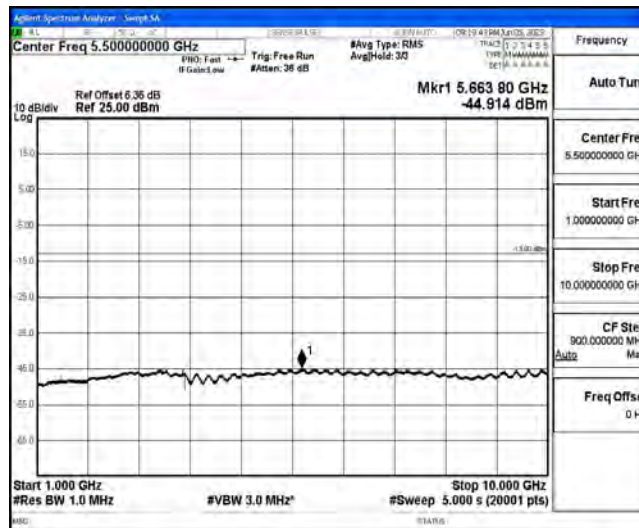


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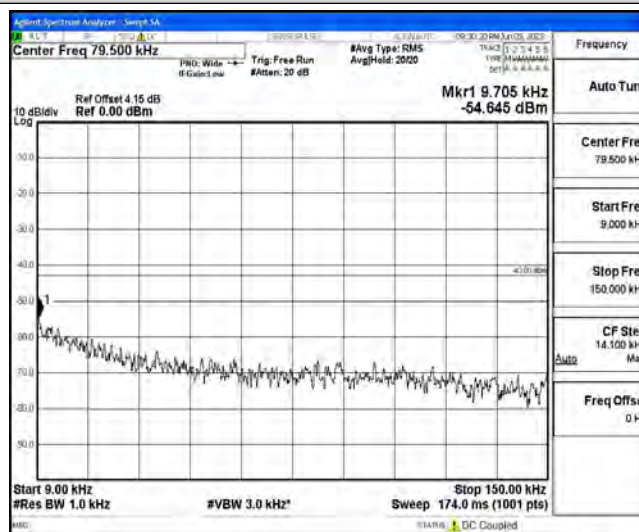




Band12-1.4MHz-16QAM-23173-1RB#0-Range4:1000~10000MHz

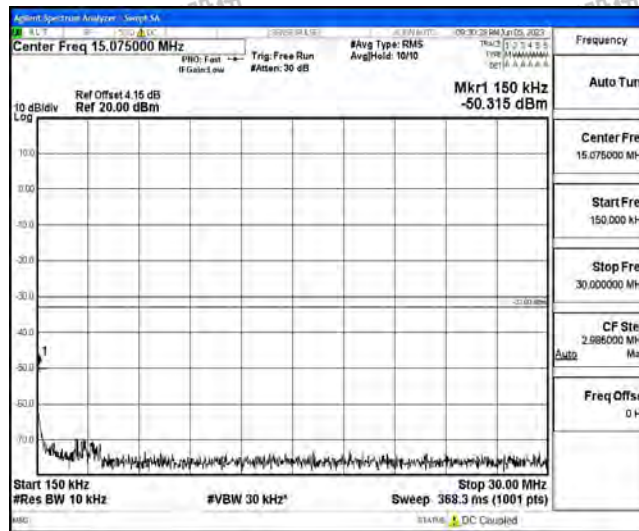


Band12-3MHz-QPSK-23025-1RB#0-Range1:0.009~0.15MHz

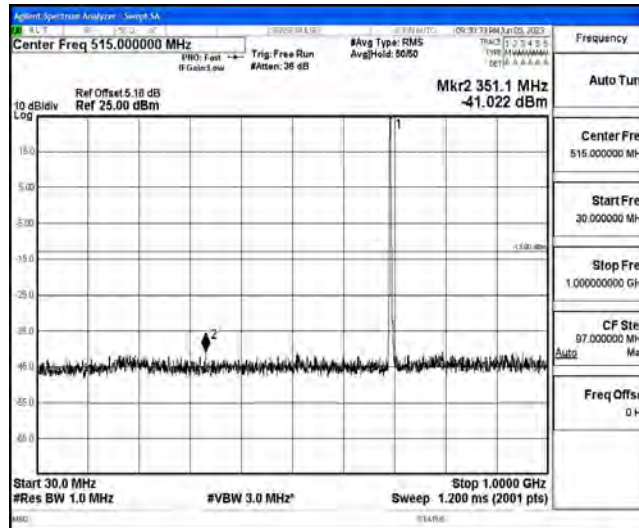


Band12-3MHz-QPSK-23025-1RB#0-Range2:0.15~30MHz

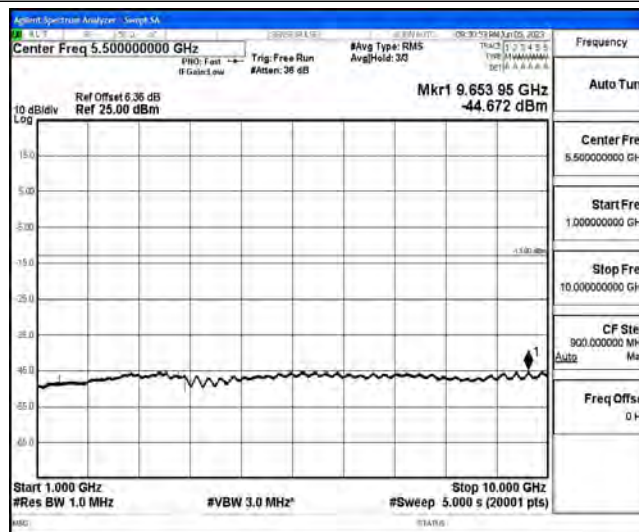




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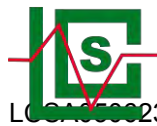


Band12-3MHz-QPSK-23025-1RB#0-Range4:1000~10000MHz

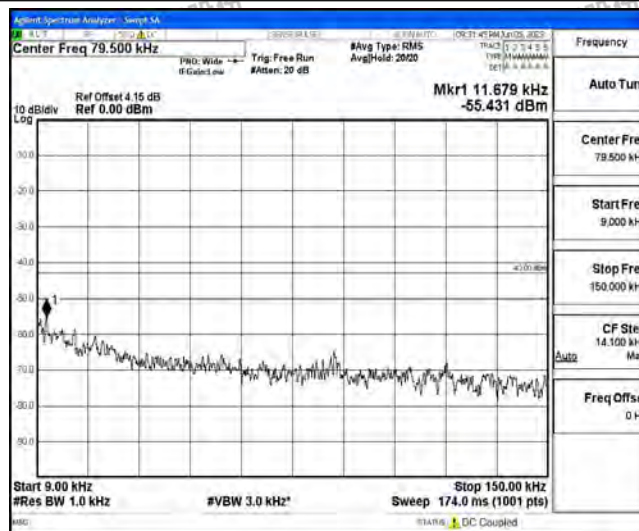


Band12-3MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz

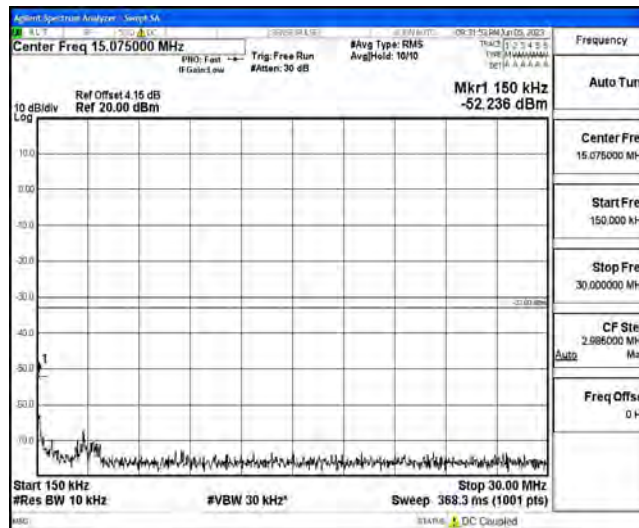




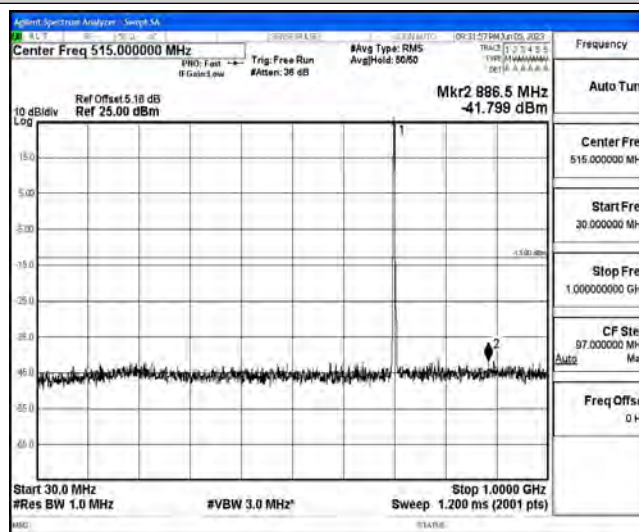
LC04300023047EB



Band12-3MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



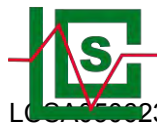
Band12-3MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



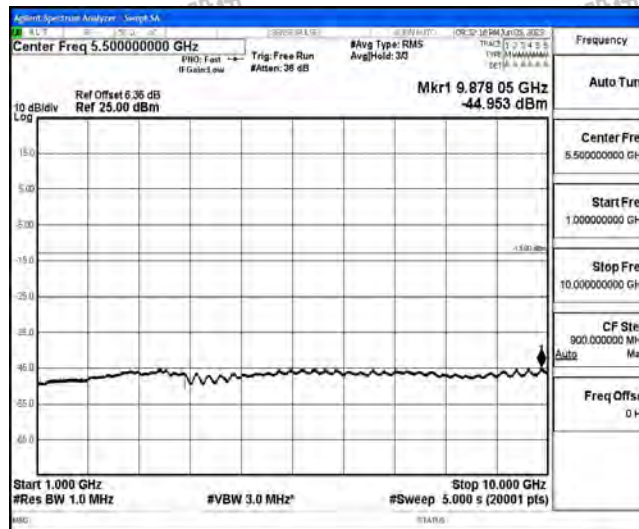
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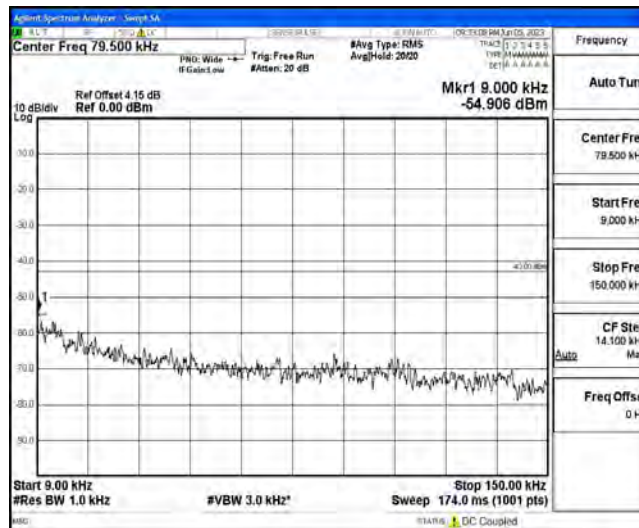
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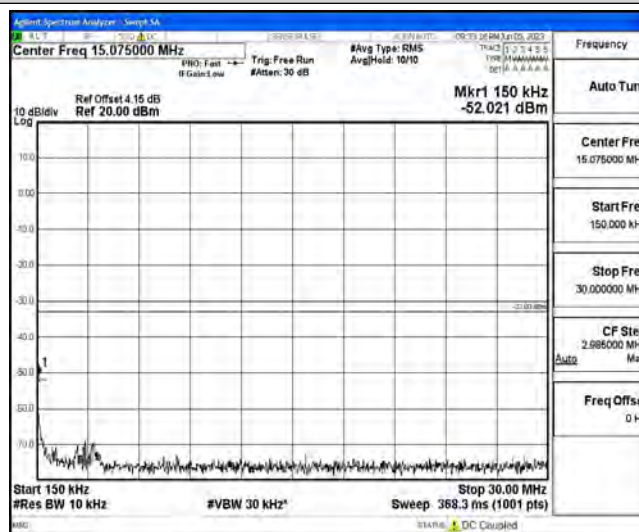
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Band12-3MHz-QPSK-23165-1RB#0-Range1:0.009~0.15MHz



Band12-3MHz-QPSK-23165-1RB#0-Range2:0.15~30MHz

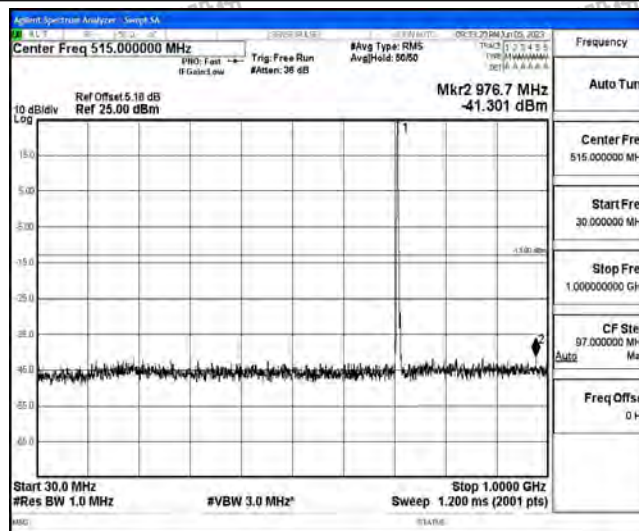


Band12-3MHz-QPSK-23165-1RB#0-Range3:30~1000MHz

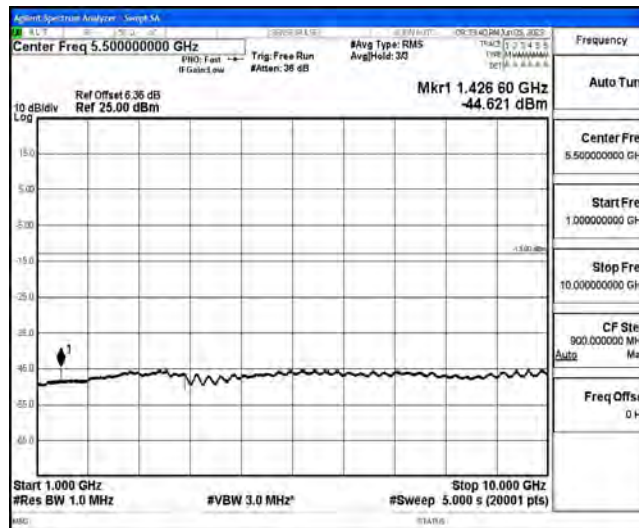




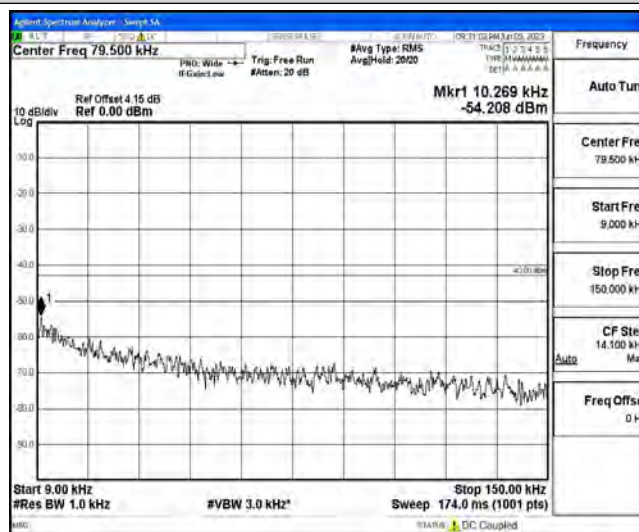
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Band12-3MHz-QPSK-23165-1RB#0-Range4:1000~10000MHz



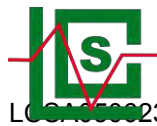
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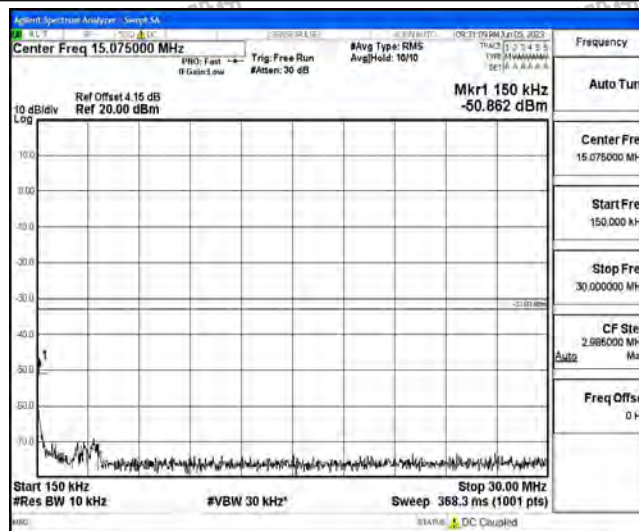
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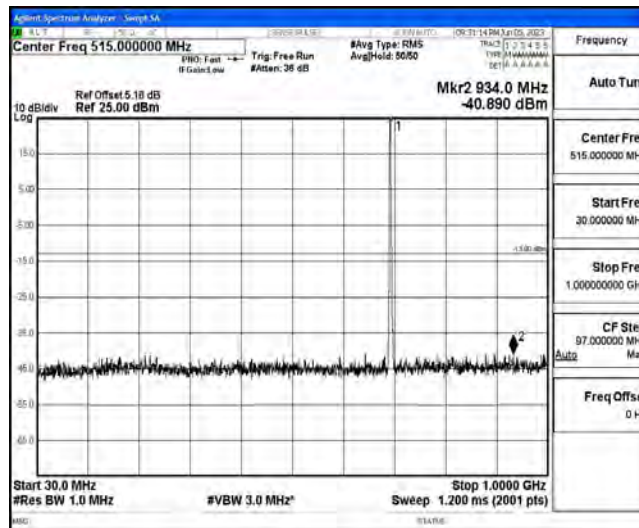
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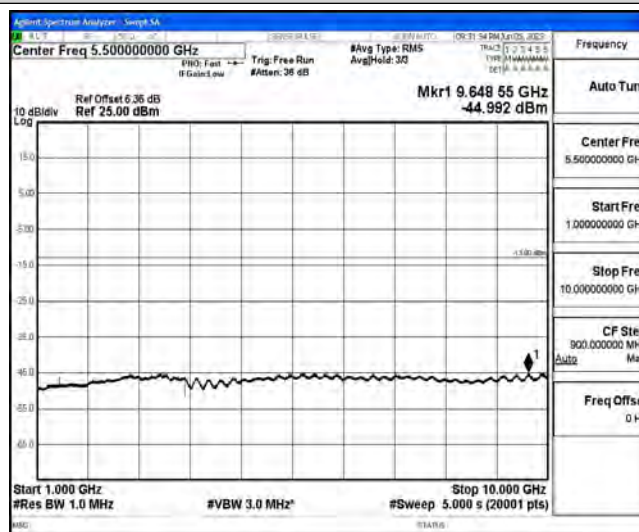
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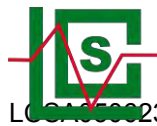
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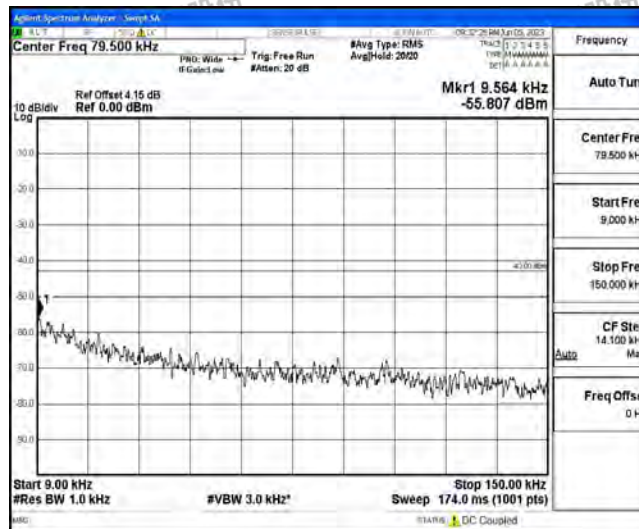
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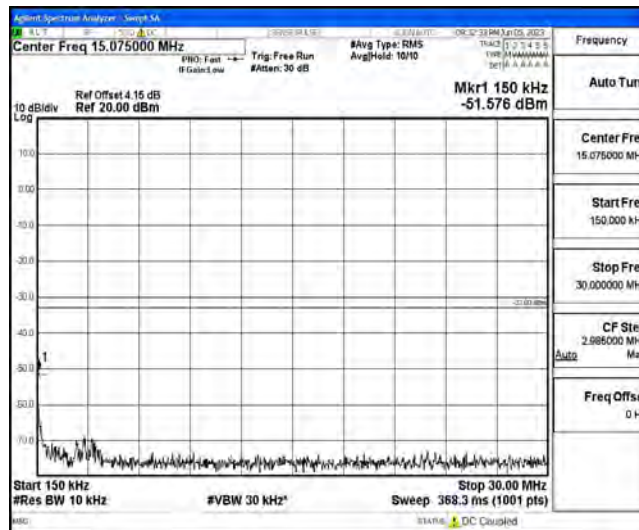
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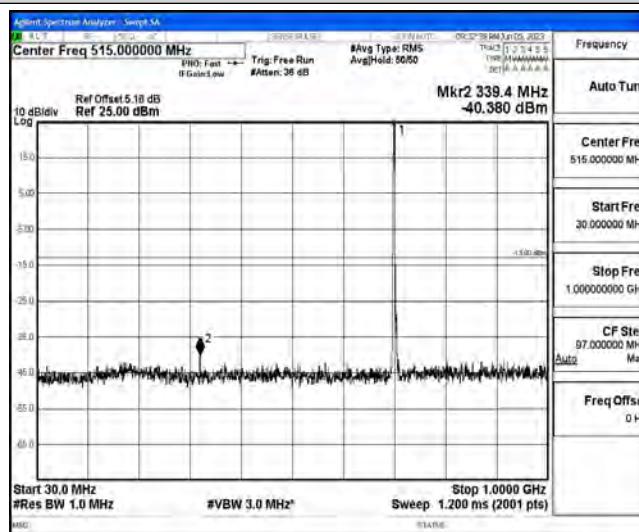
LC04300023047EB



Band12-3MHz-16QAM-23095-1RB#0-Range2:0.15~30MHz



Band12-3MHz-16QAM-23095-1RB#0-Range3:30~1000MHz

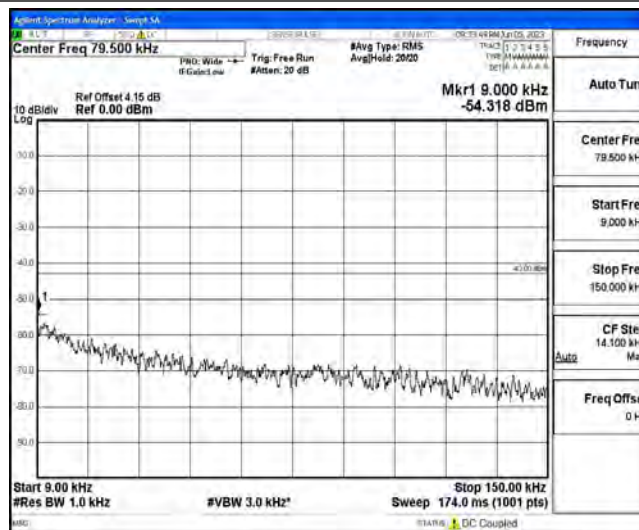


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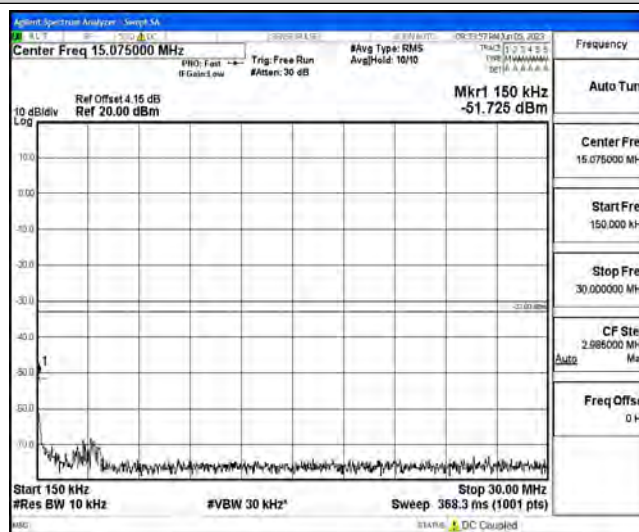




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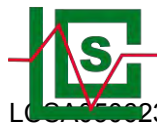


Band12-3MHz-16QAM-23165-1RB#0-Range2:0.15~30MHz

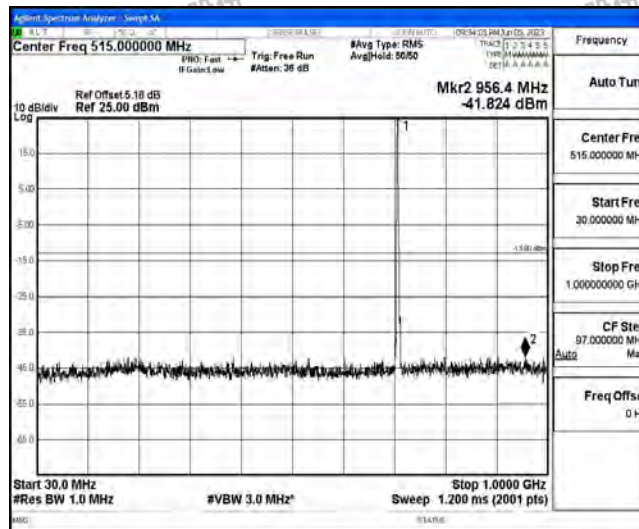


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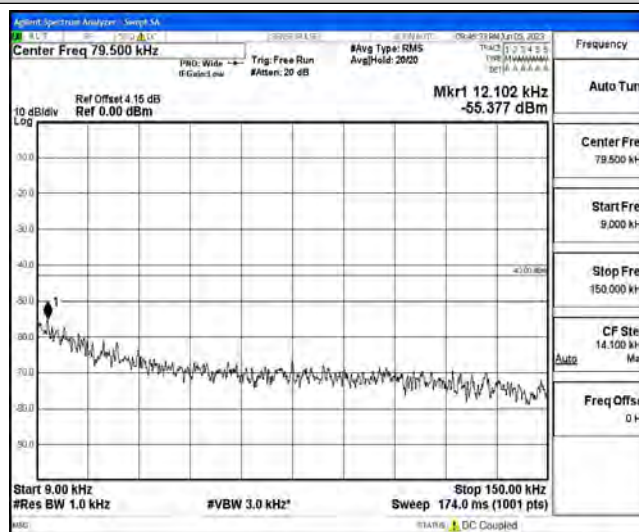
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Band12-3MHz-16QAM-23165-1RB#0-Range4:1000~10000MHz



Band12-5MHz-QPSK-23035-1RB#0-Range1:0.009~0.15MHz



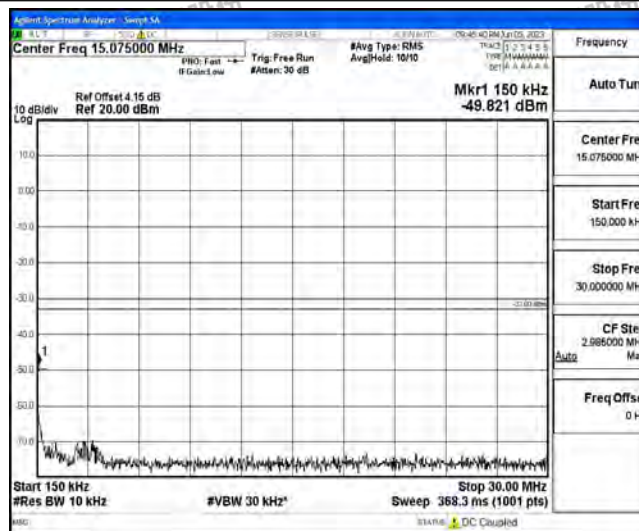
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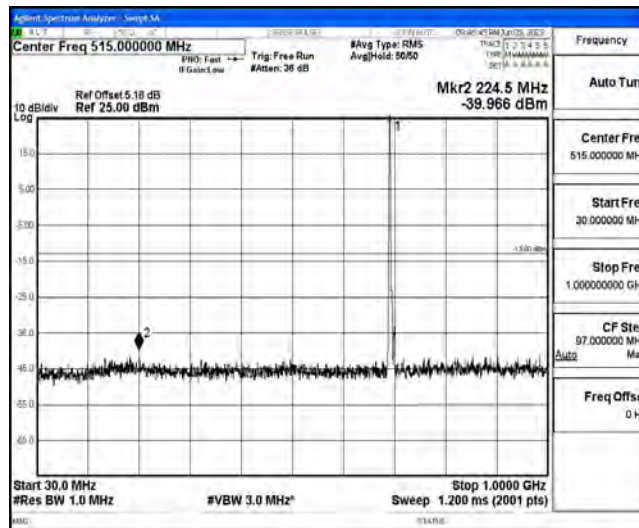
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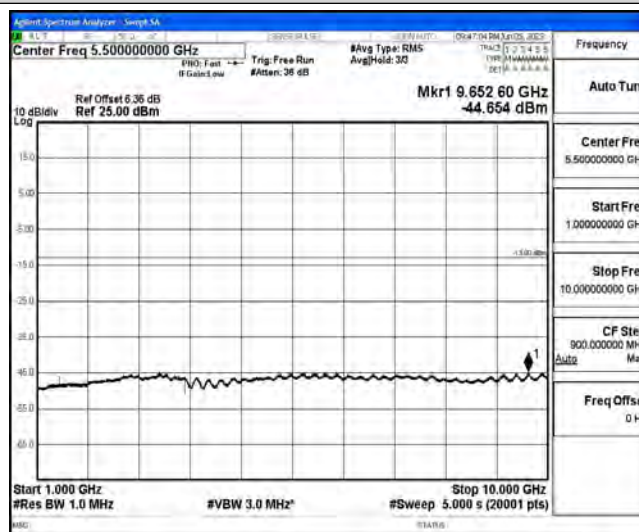
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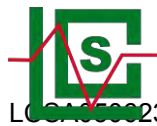
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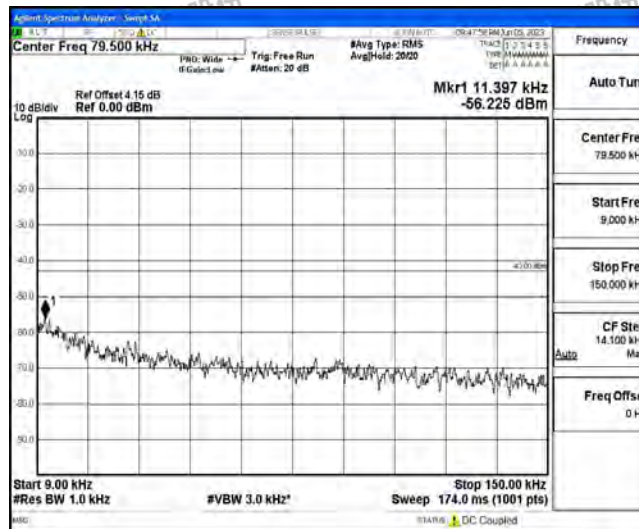
Band12-5MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz



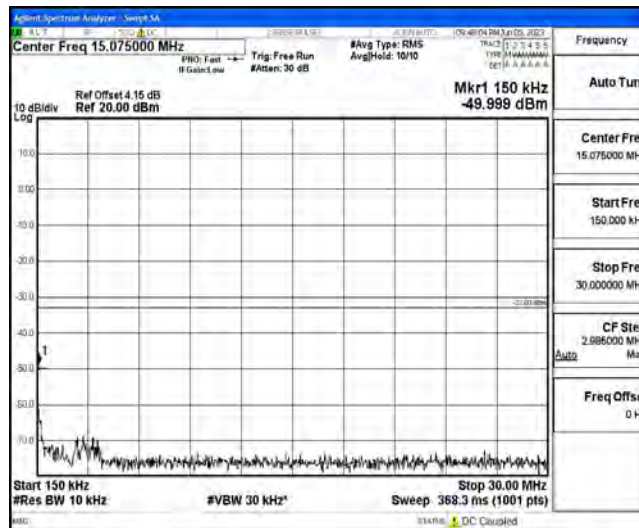
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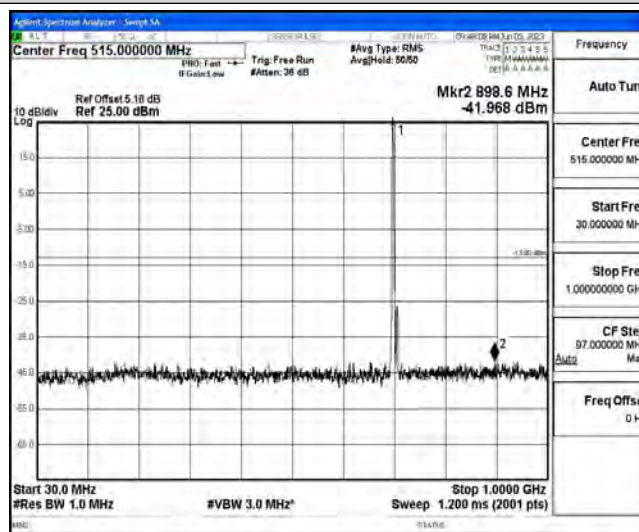
LC-23047EB



Band12-5MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



Band12-5MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



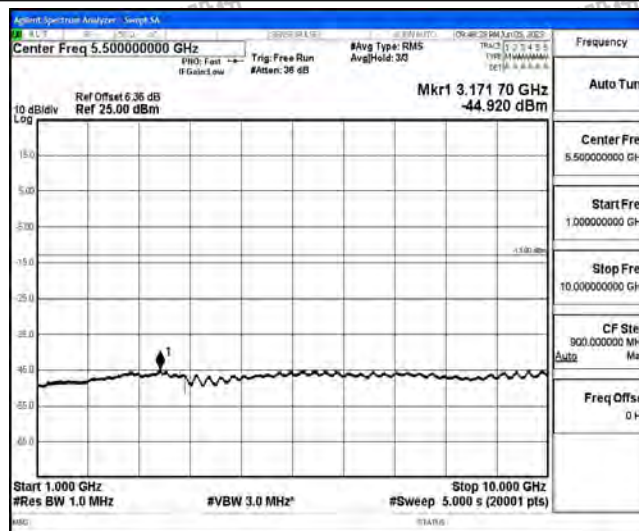
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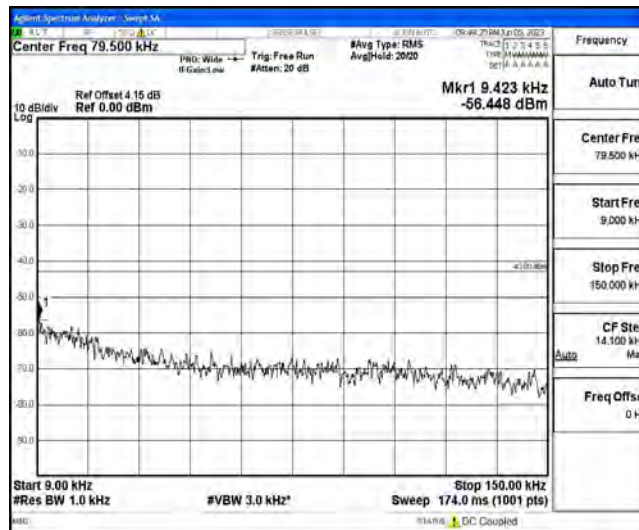
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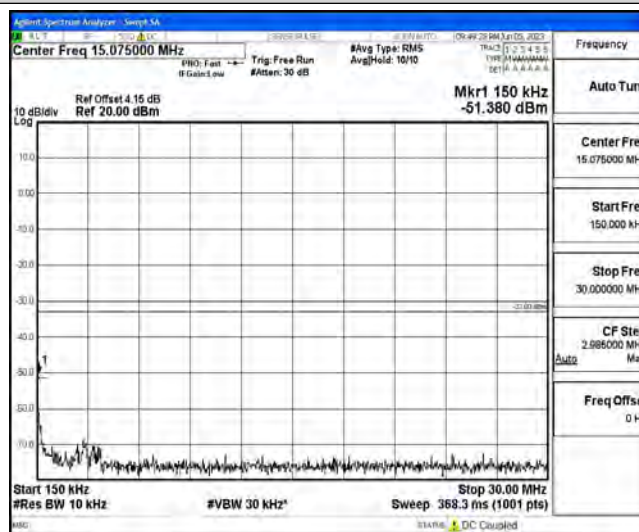
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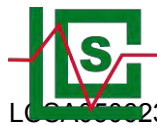
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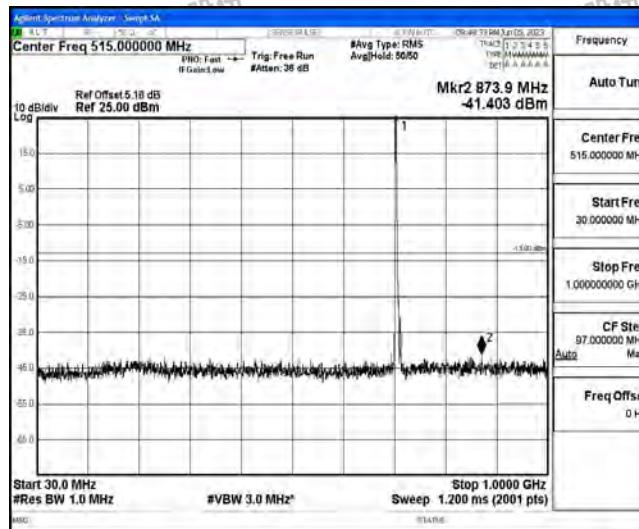
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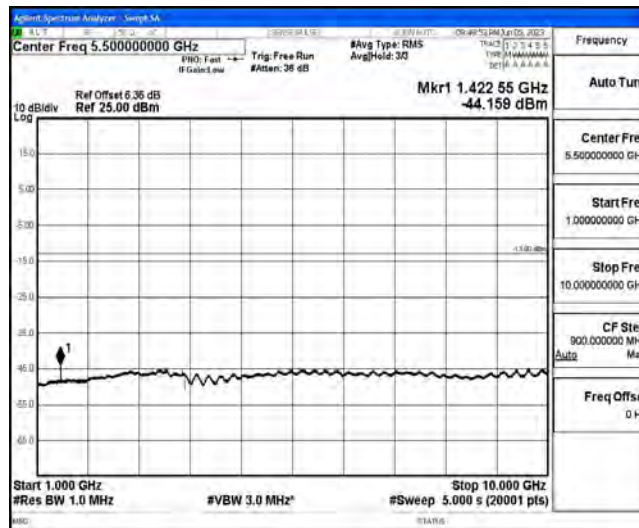
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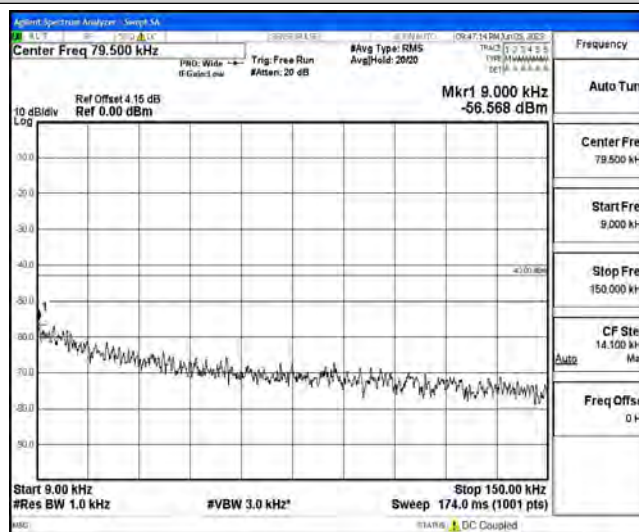
LC-23047EB



Band12-5MHz-QPSK-23155-1RB#0-Range4:1000~10000MHz



Band12-5MHz-16QAM-23035-1RB#0-Range1:0.009~0.15MHz



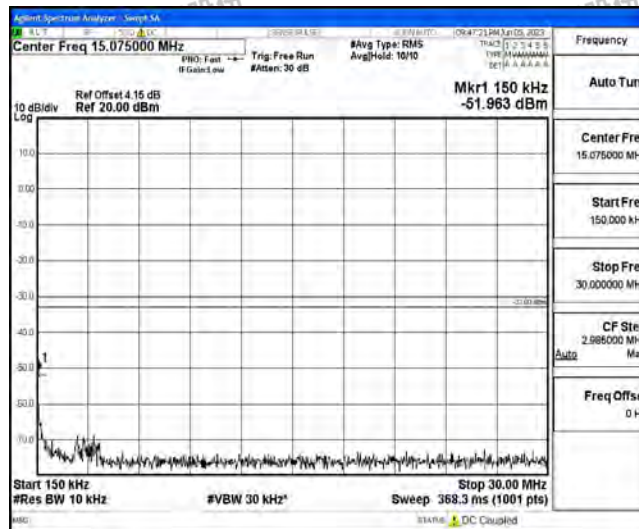
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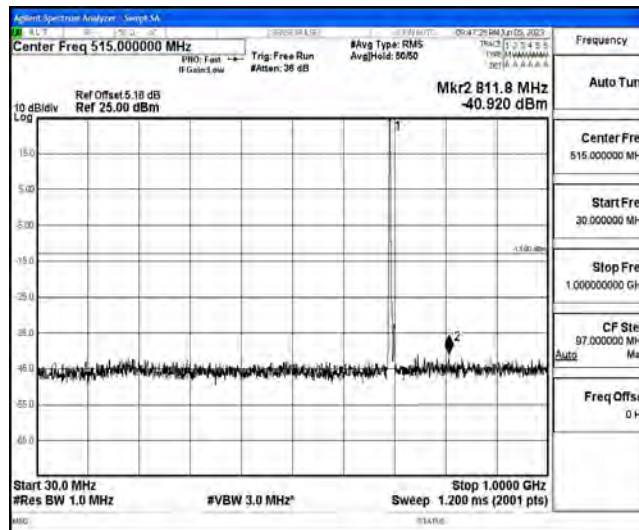
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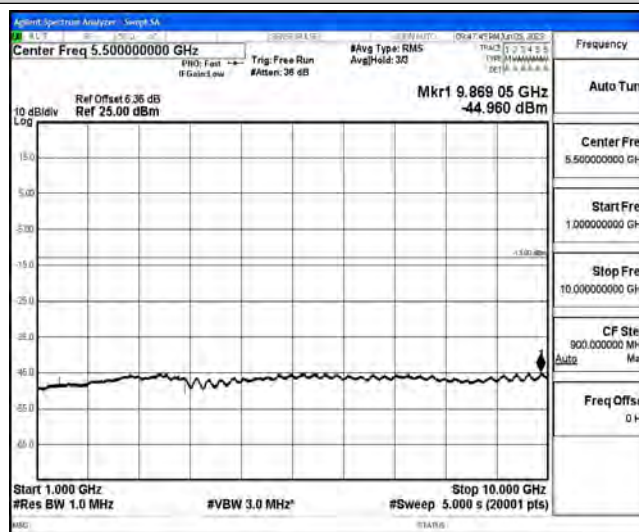
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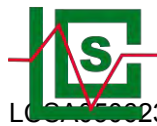
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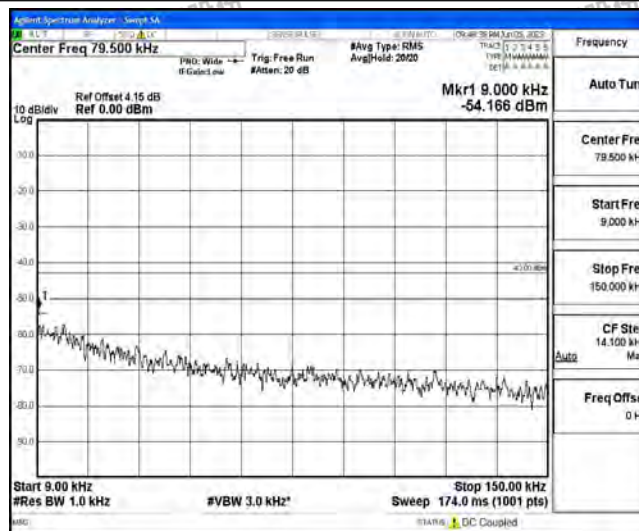
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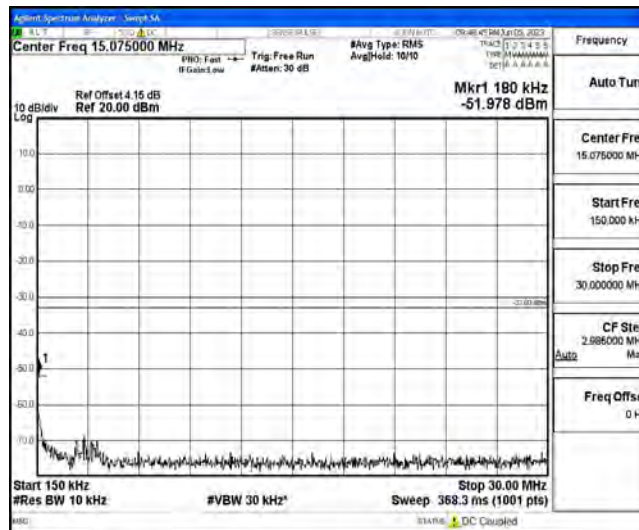
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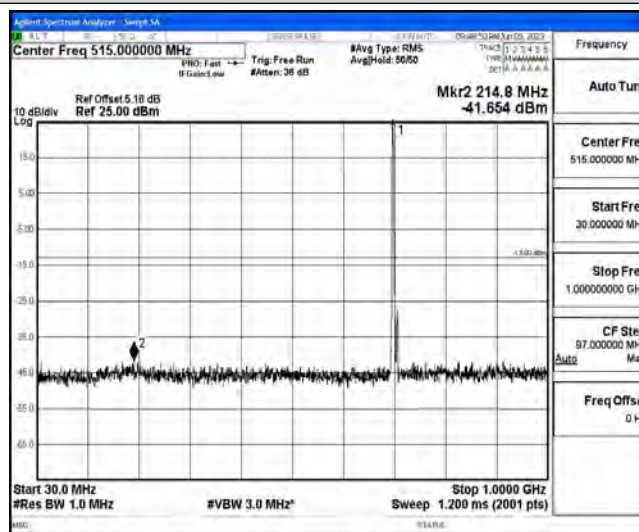
LC04300023047EB



Band12-5MHz-16QAM-23095-1RB#0-Range2:0.15~30MHz



Band12-5MHz-16QAM-23095-1RB#0-Range3:30~1000MHz



Band12-5MHz-16QAM-23095-1RB#0-Range4:1000~10000MHz



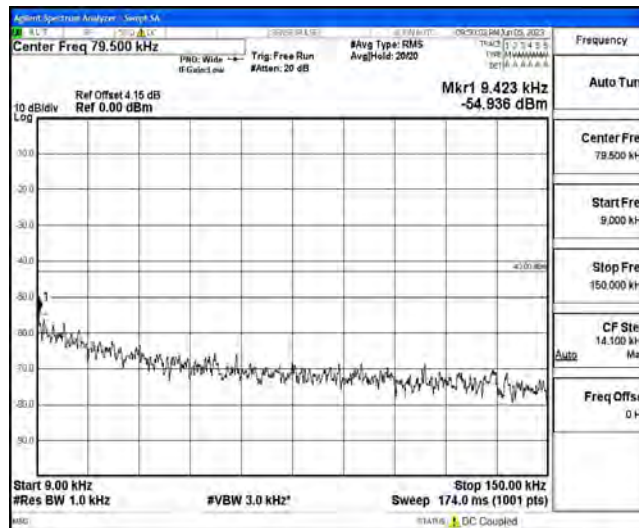
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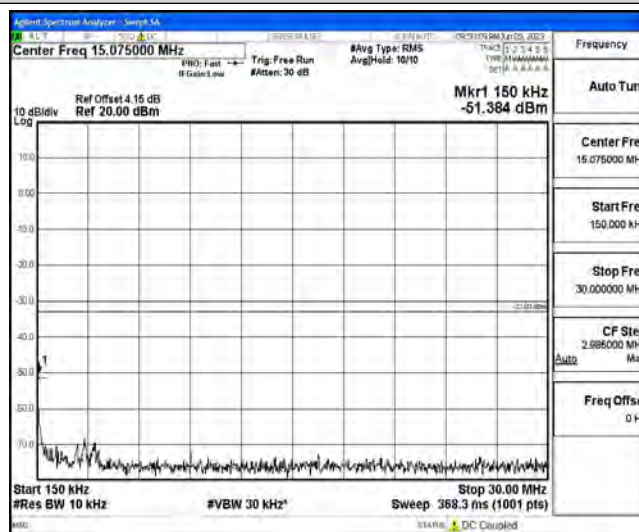
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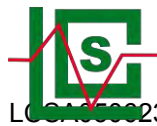
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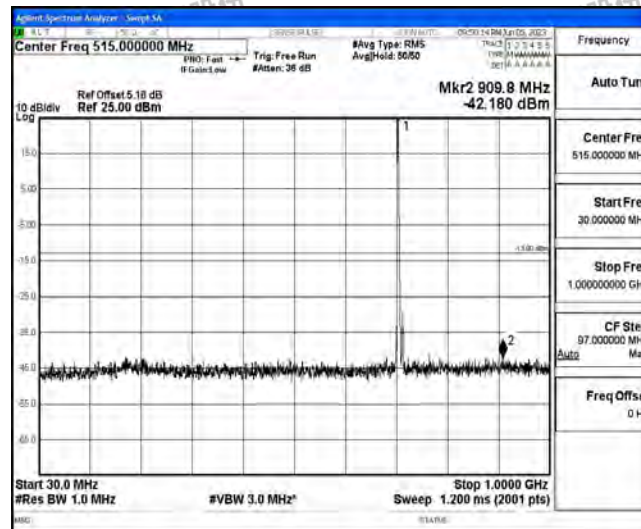
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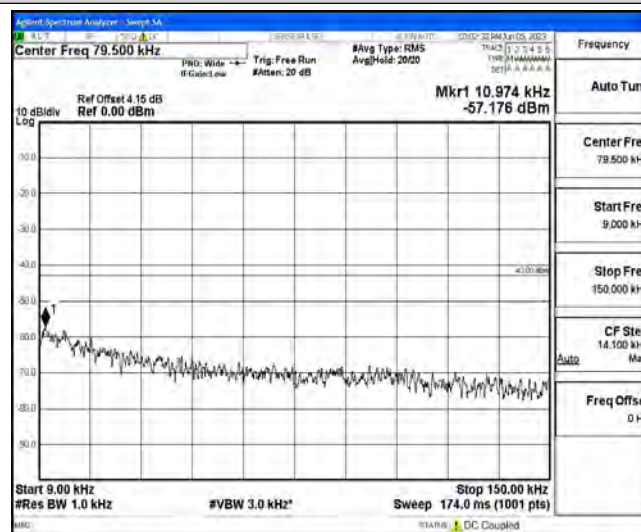
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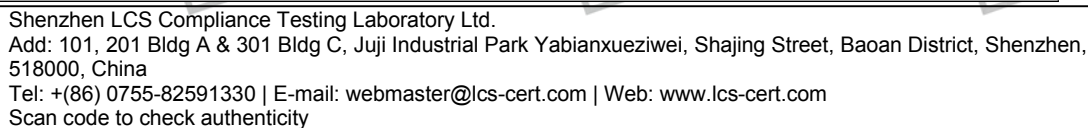
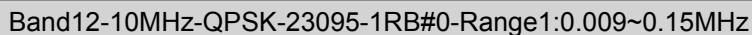
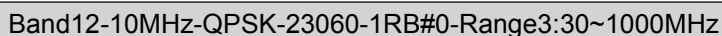


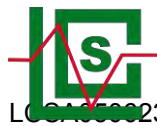
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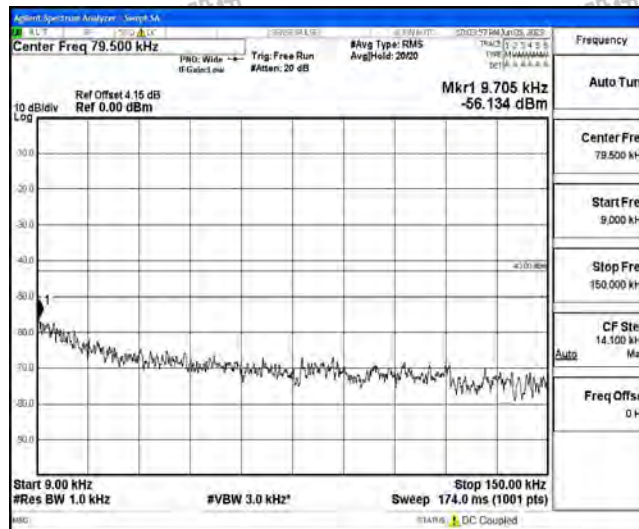
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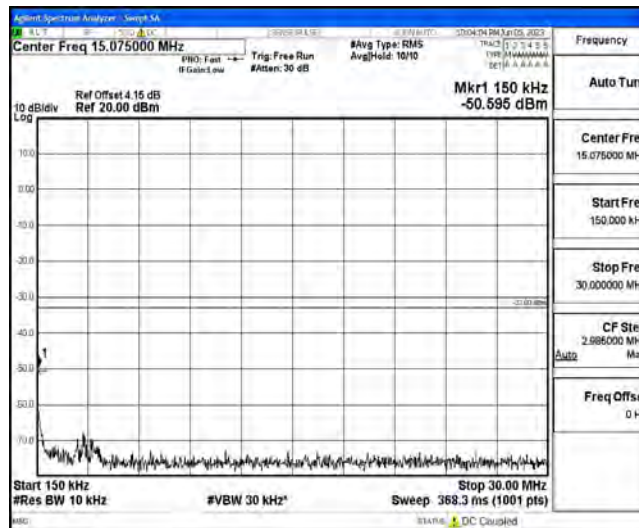




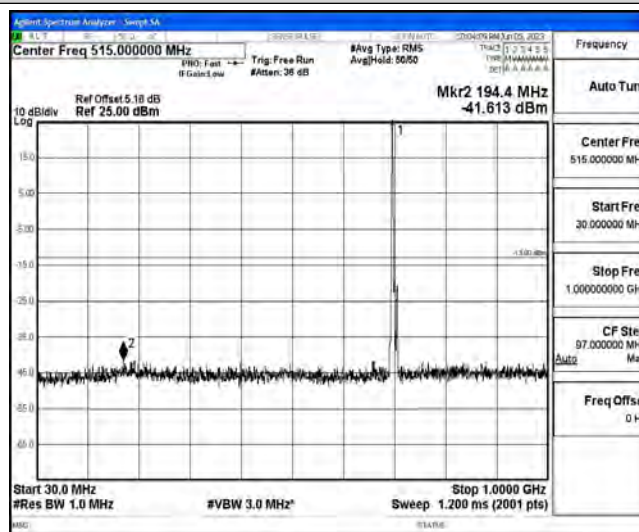
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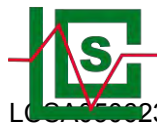
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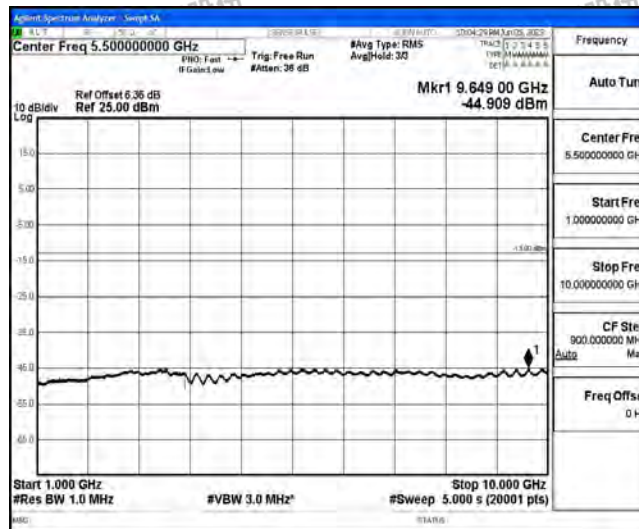
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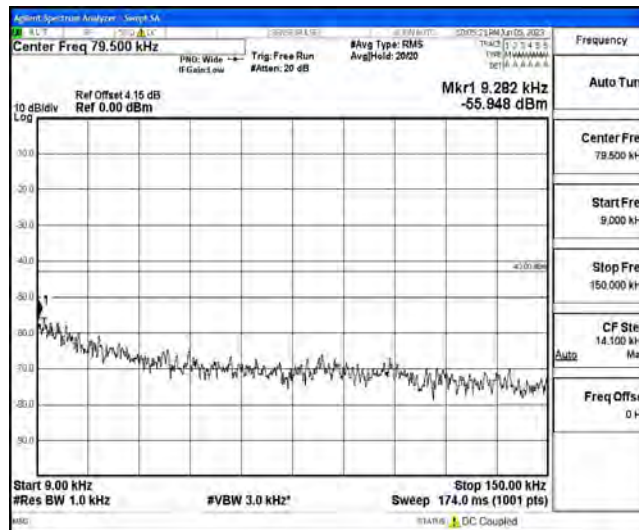
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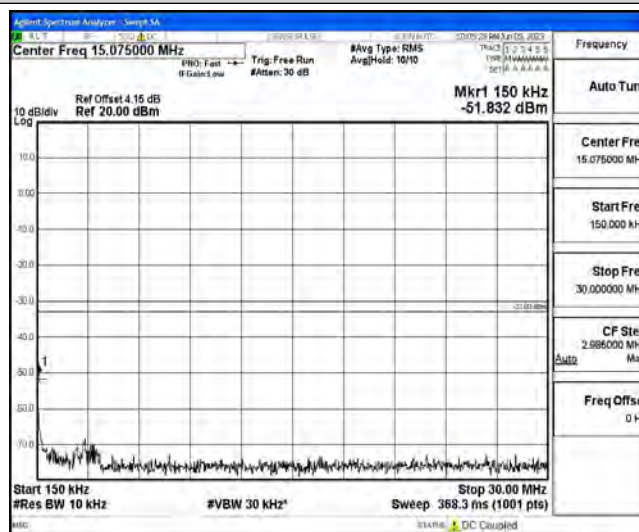
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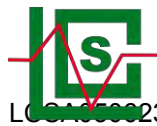


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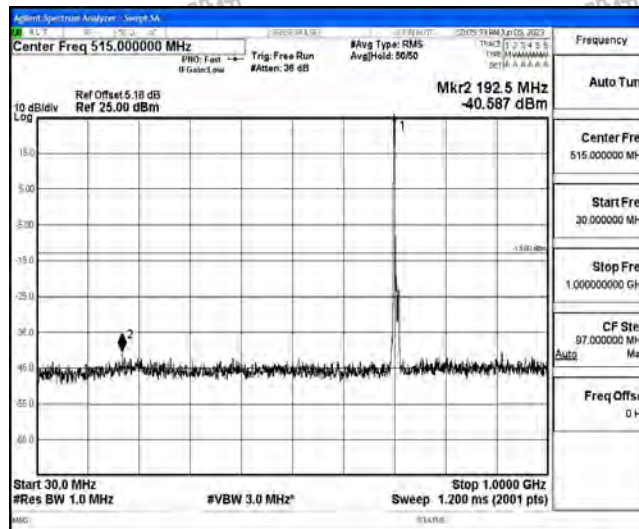


Band12-10MHz-QPSK-23130-1RB#0-Range3:30~1000MHz

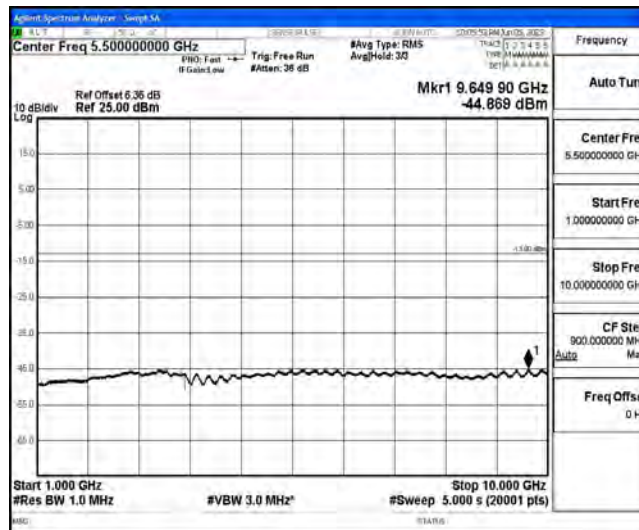




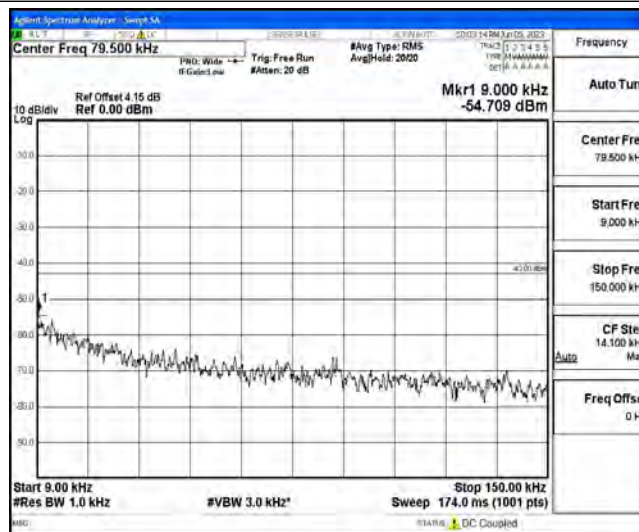
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Band12-10MHz-QPSK-23130-1RB#0-Range4:1000~10000MHz



Band12-10MHz-16QAM-23060-1RB#0-Range1:0.009~0.15MHz



Band12-10MHz-16QAM-23060-1RB#0-Range2:0.15~30MHz

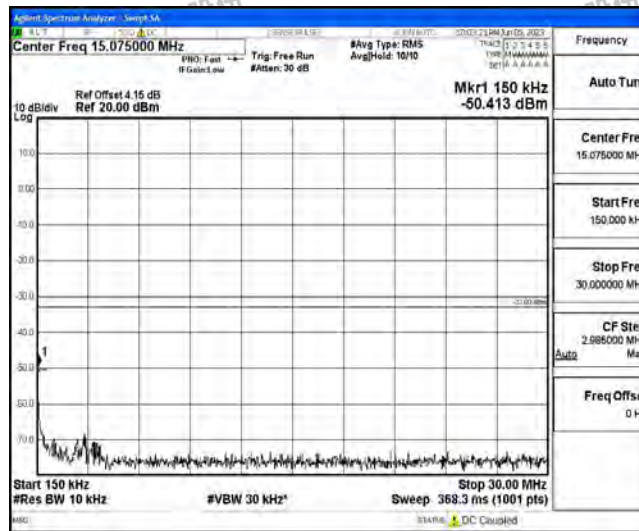


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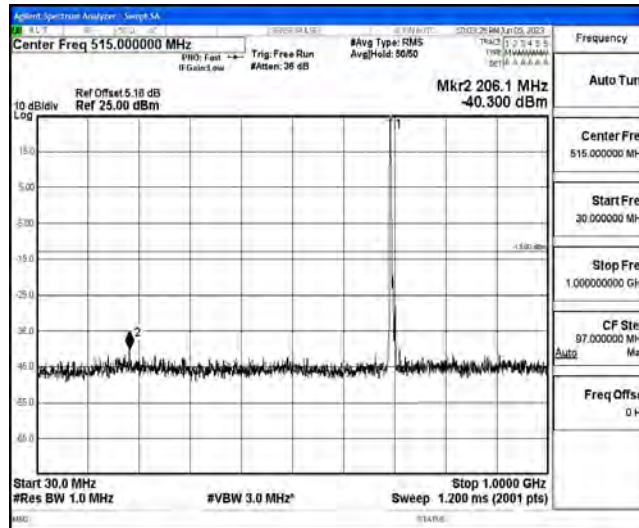
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

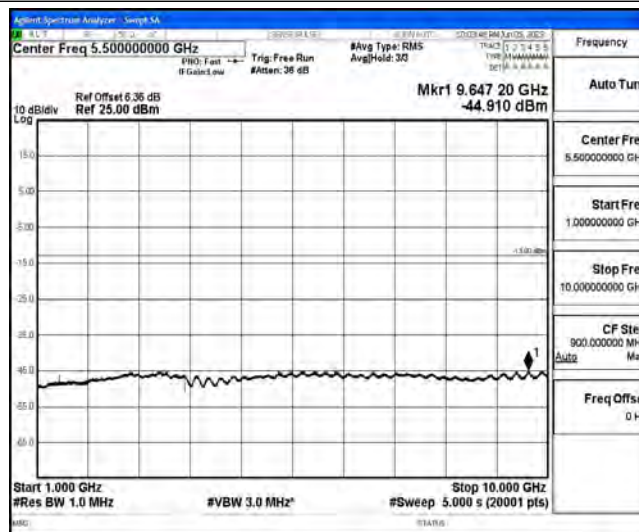
Scan code to check authenticity



Band12-10MHz-16QAM-23060-1RB#0-Range3:30~1000MHz

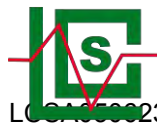


Band12-10MHz-16QAM-23060-1RB#0-Range4:1000~10000MHz

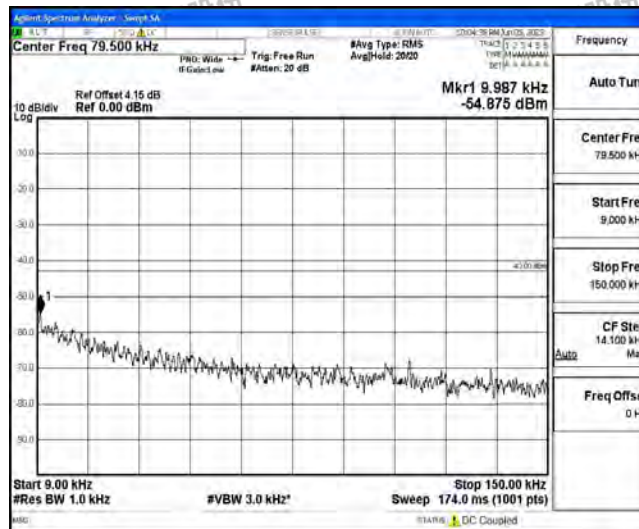


Band12-10MHz-16QAM-23095-1RB#0-Range1:0.009~0.15MHz

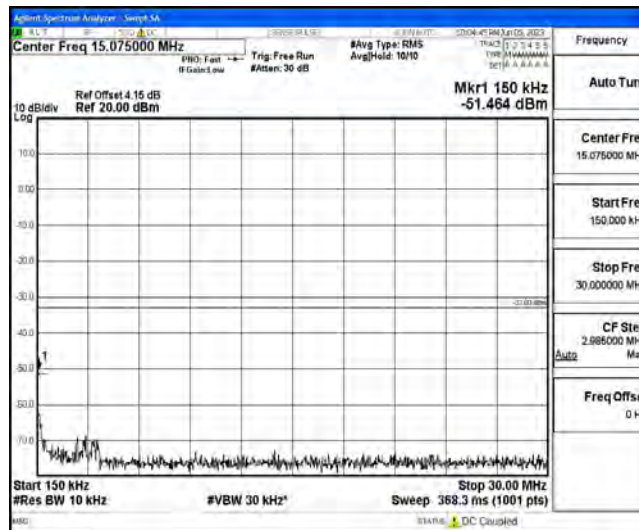




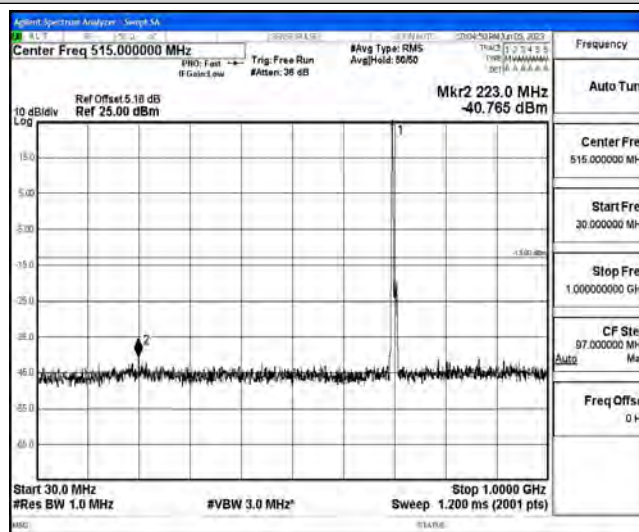
LC-23047EB



Band12-10MHz-16QAM-23095-1RB#0-Range2:0.15~30MHz



Band12-10MHz-16QAM-23095-1RB#0-Range3:30~1000MHz



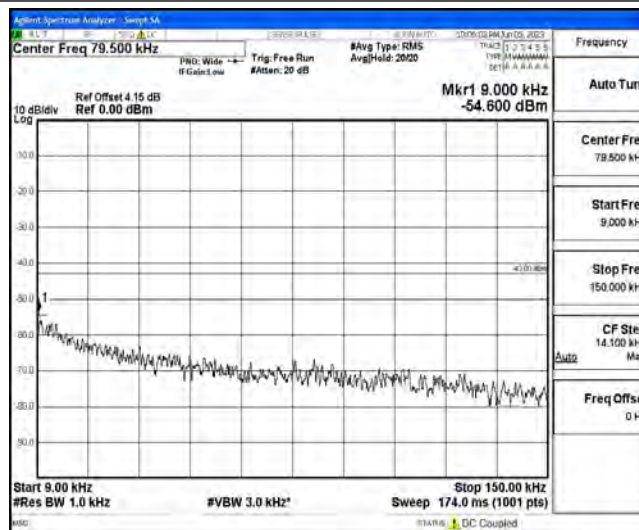
Band12-10MHz-16QAM-23095-1RB#0-Range4:1000~10000MHz



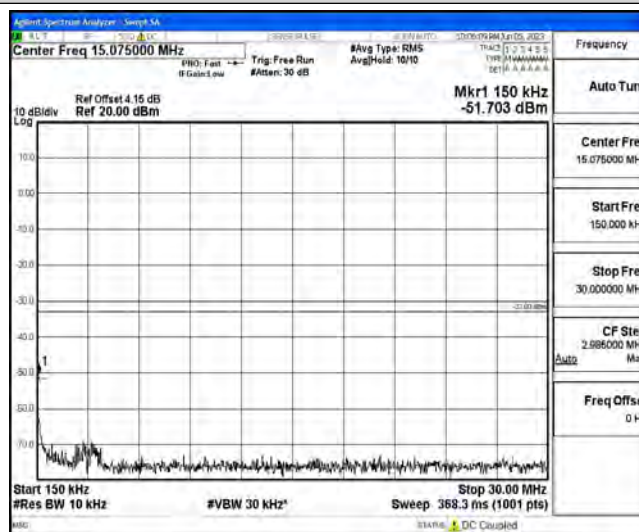
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



Band12-10MHz-16QAM-23130-1RB#0-Range1:0.009~0.15MHz

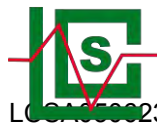


Band12-10MHz-16QAM-23130-1RB#0-Range2:0.15~30MHz

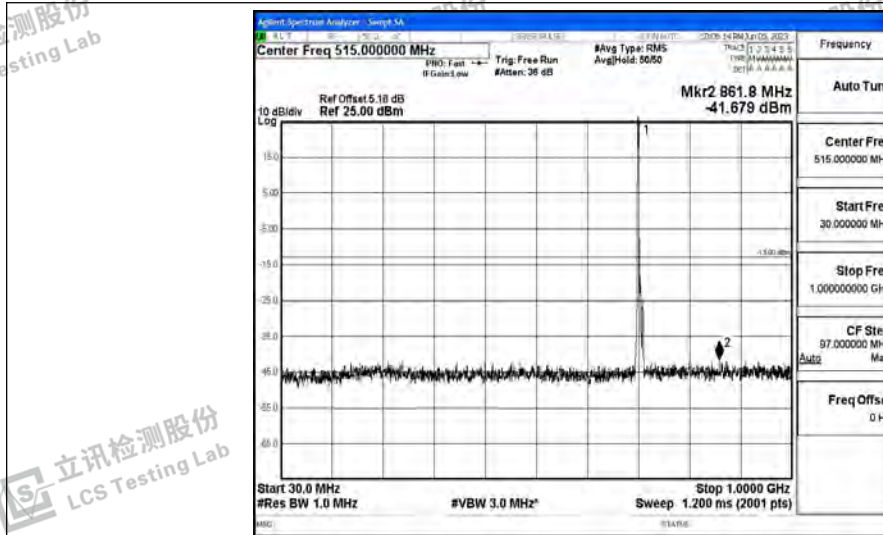


Band12-10MHz-16QAM-23130-1RB#0-Range3:30~1000MHz





LC041600023047EB



Band12-10MHz-16QAM-23130-1RB#0-Range4:1000~10000MHz

