



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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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

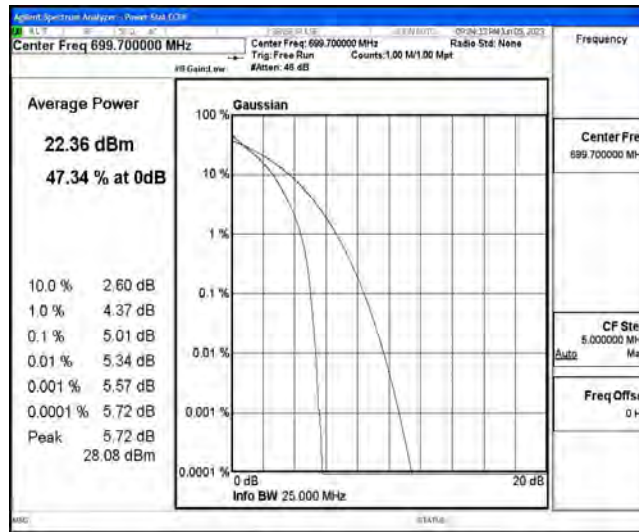
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	5.01	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.06	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.86	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.83	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.94	13	PASS
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



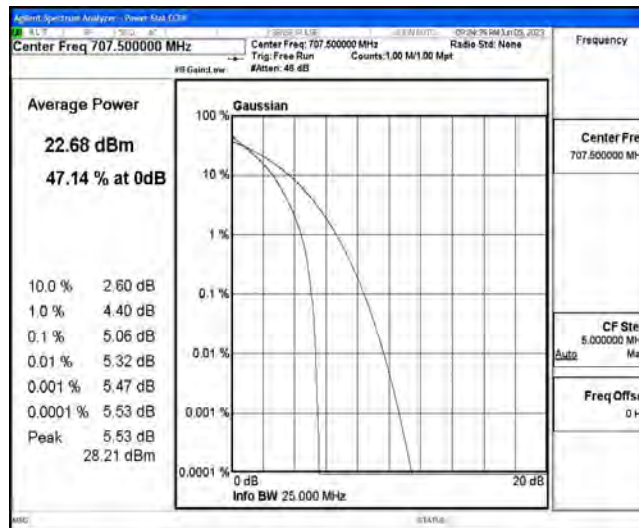


Test Graphs

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

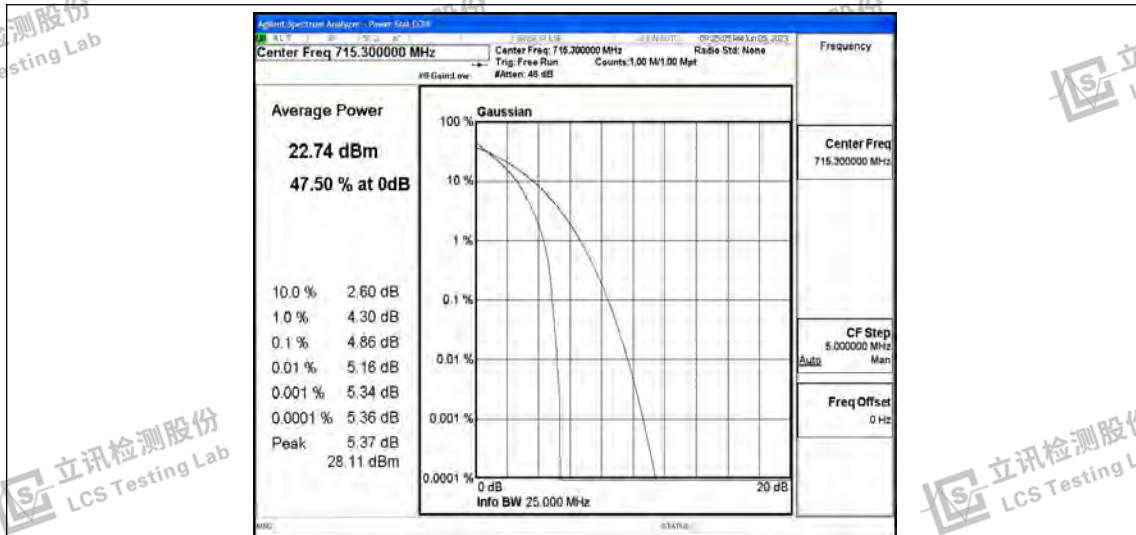


Band12-1.4MHz-QPSK-23095-6RB#0

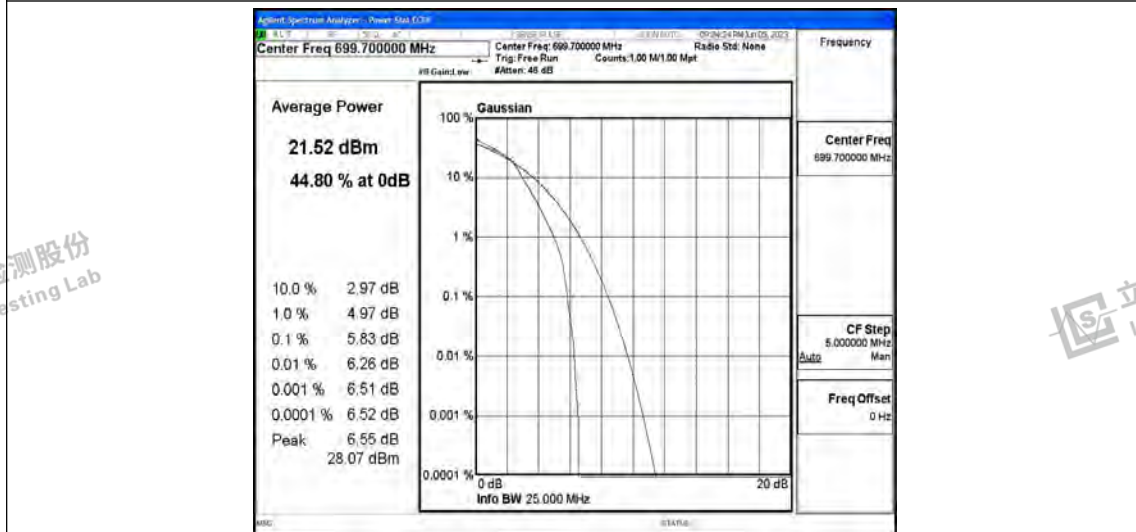


Band12-1.4MHz-QPSK-23173-6RB#0

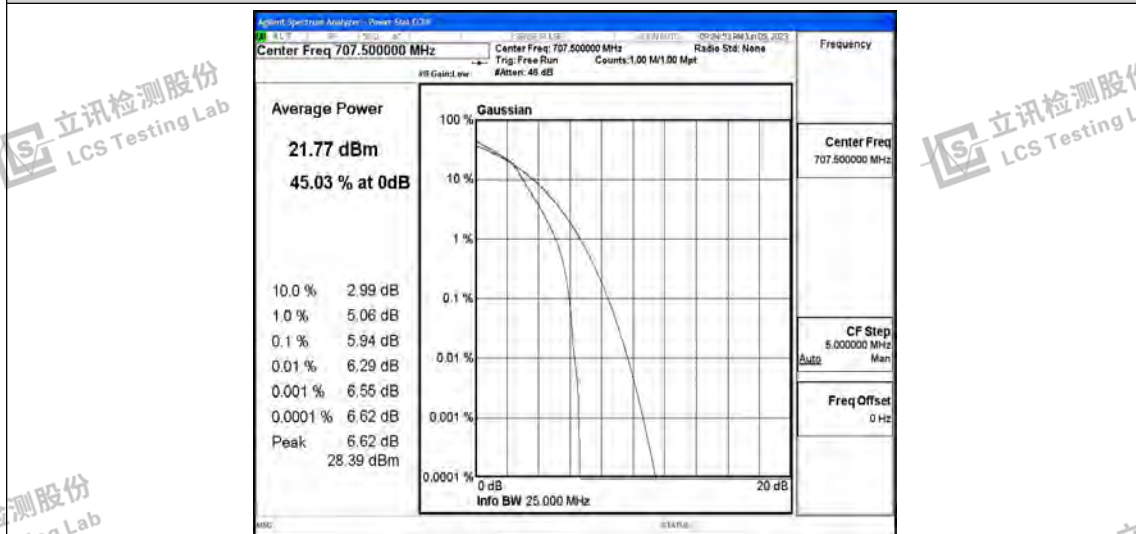




Band12-1.4MHz-16QAM-23017-6RB#0



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

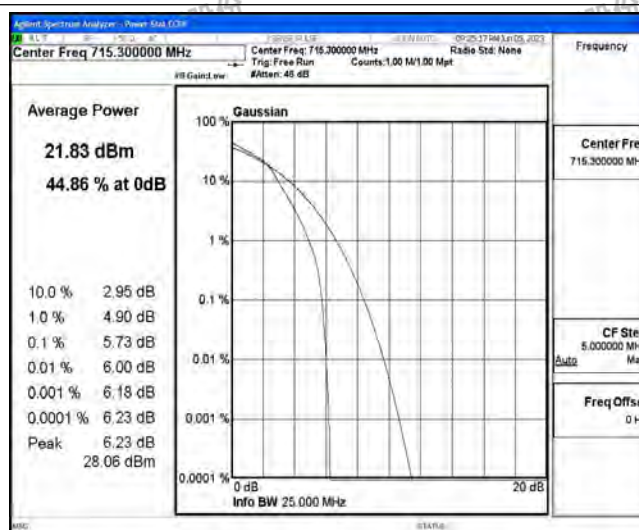


Band12-1.4MHz-16QAM-23173-6RB#0

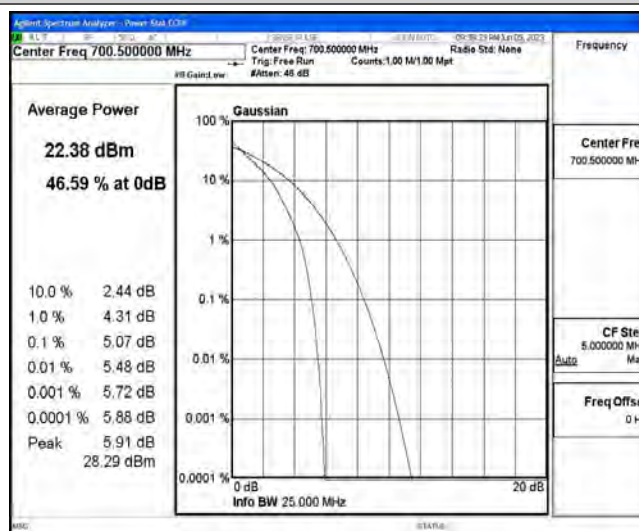




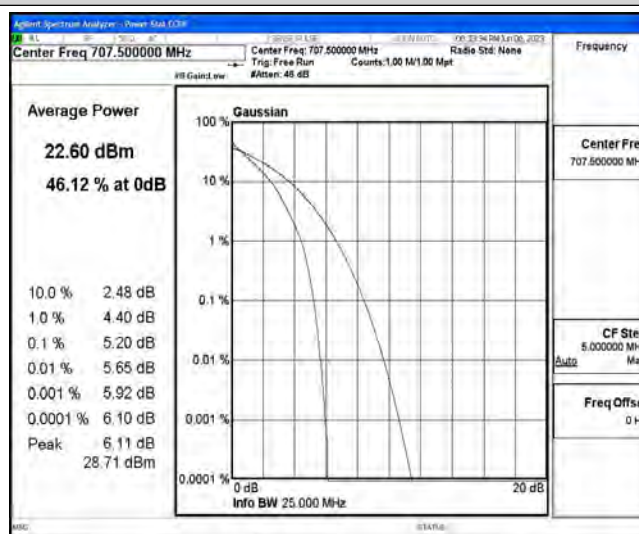
LC041300023047EB



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



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

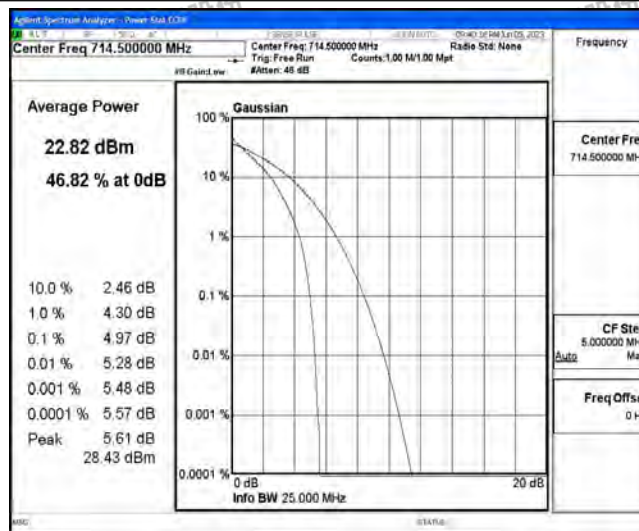


Band12-3MHz-QPSK-23165-15RB#0

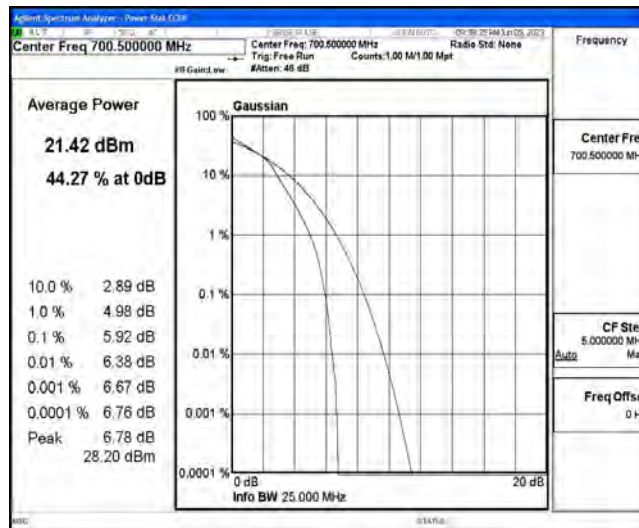




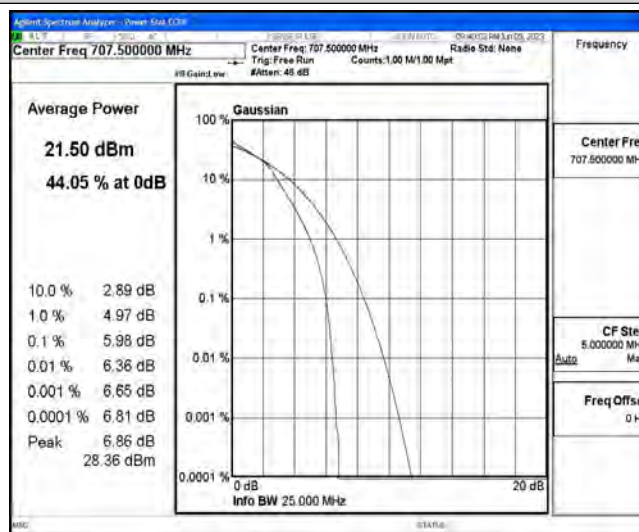
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Band12-3MHz-16QAM-23025-15RB#0



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

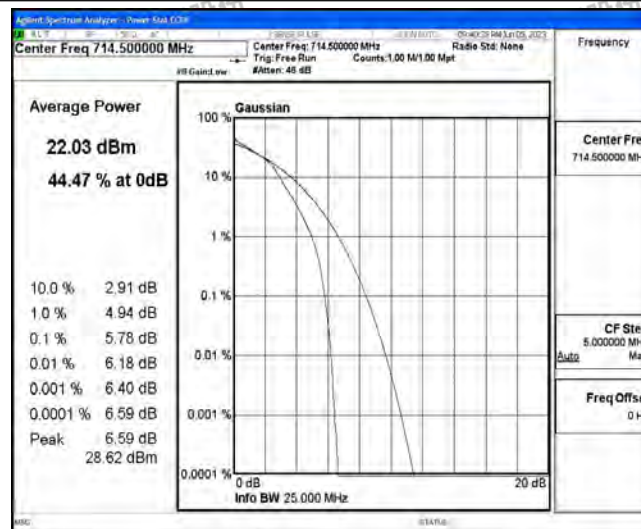


Band12-3MHz-16QAM-23165-15RB#0

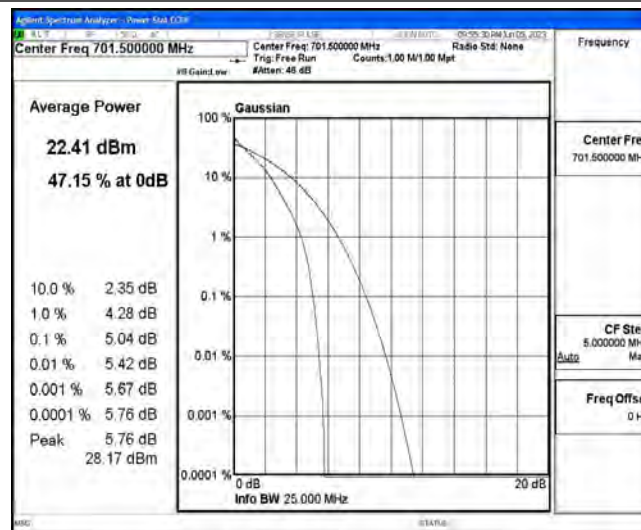




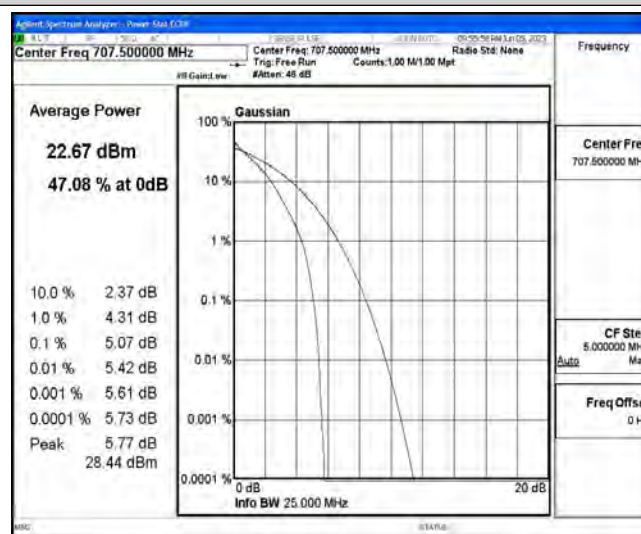
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Band12-5MHz-QPSK-23035-25RB#0



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

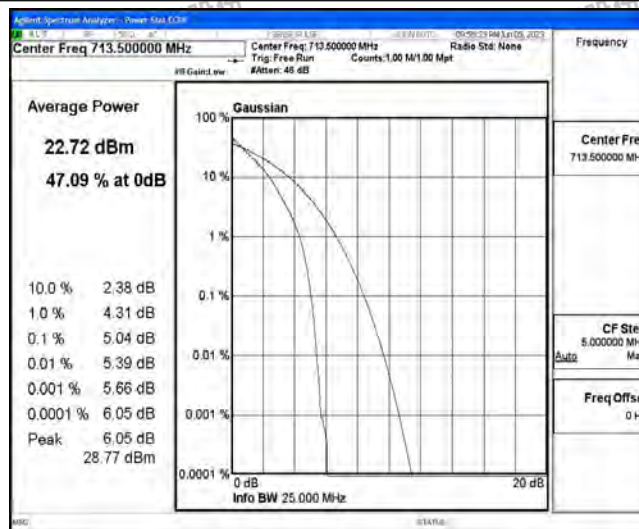


Band12-5MHz-QPSK-23155-25RB#0

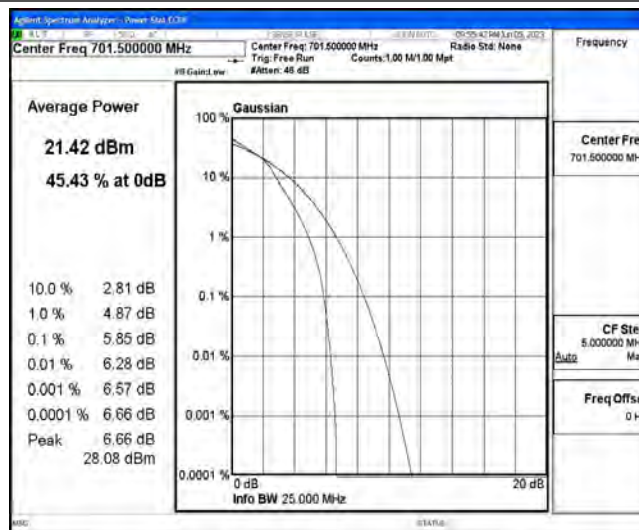




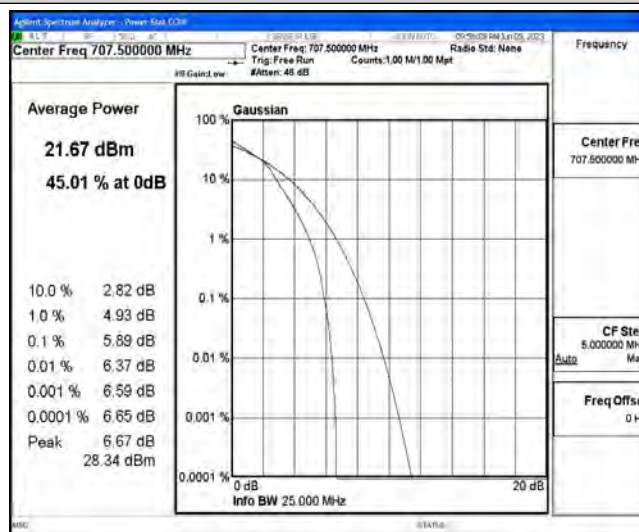
LC-23047EB



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



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

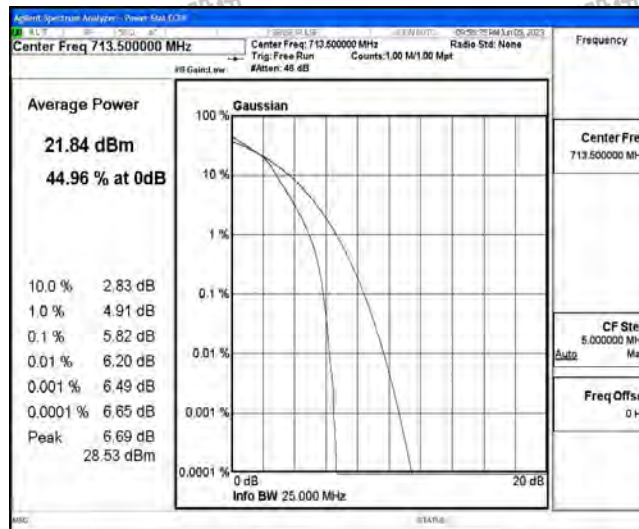


Band12-5MHz-16QAM-23155-25RB#0

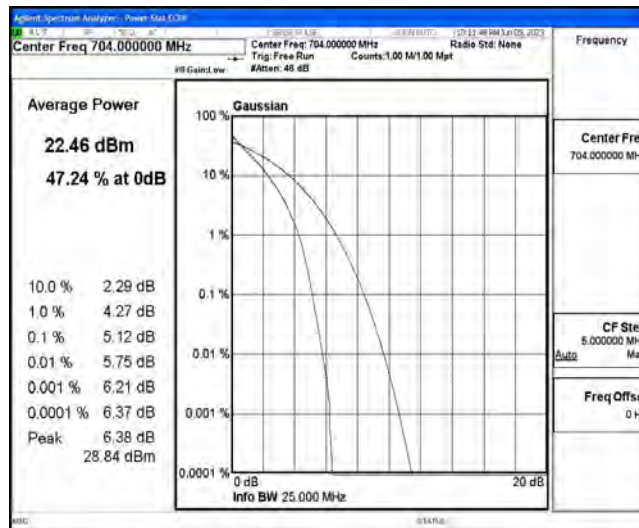




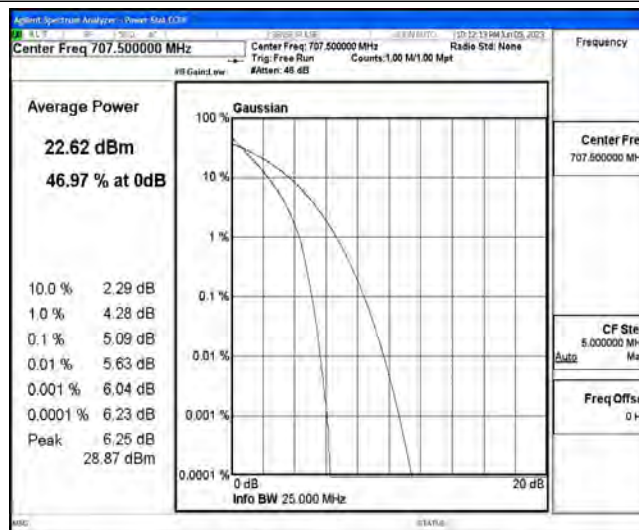
LC-201300023047EB



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



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

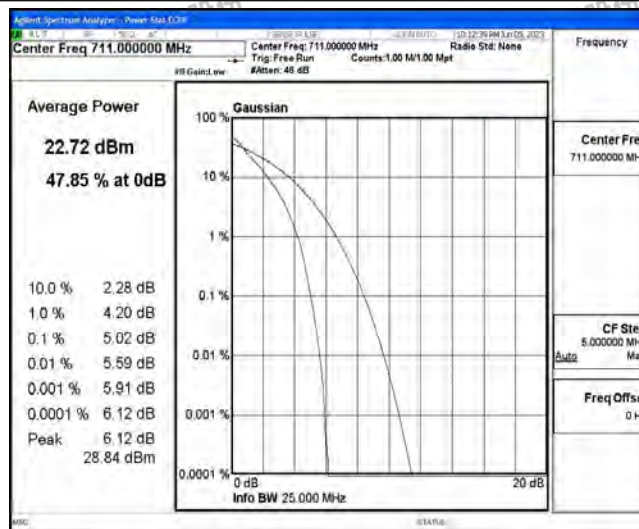


Band12-10MHz-QPSK-23130-50RB#0

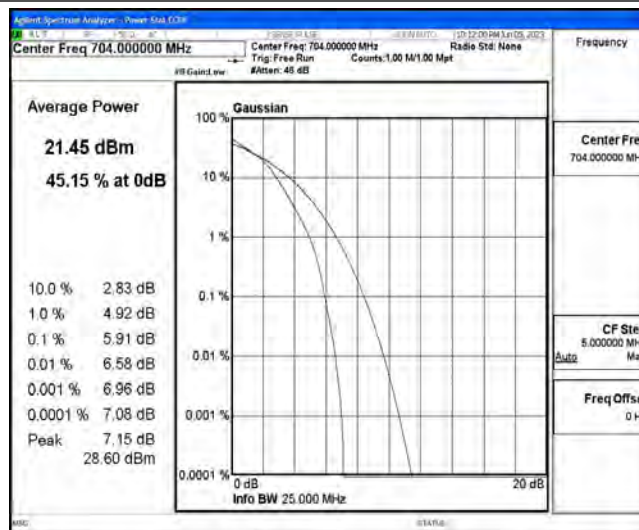




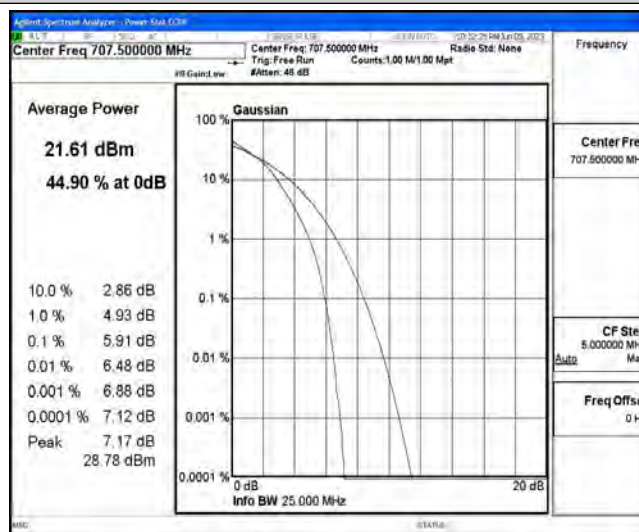
LC 014300023047EB



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



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

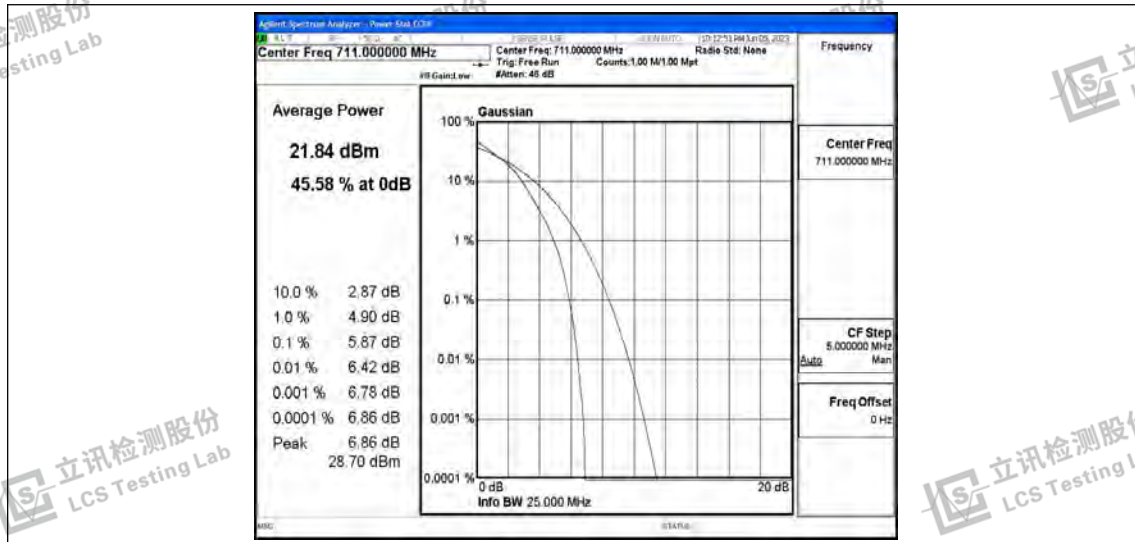


Band12-10MHz-16QAM-23130-50RB#0





LC614300023047EB



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Scan code to check authenticity



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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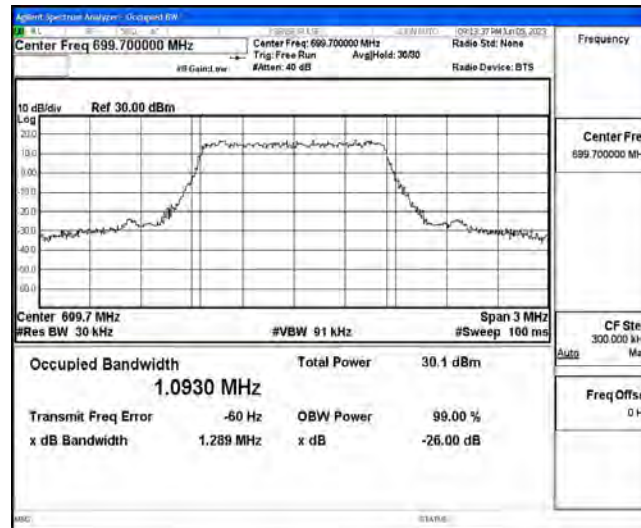
Scan code to check authenticity



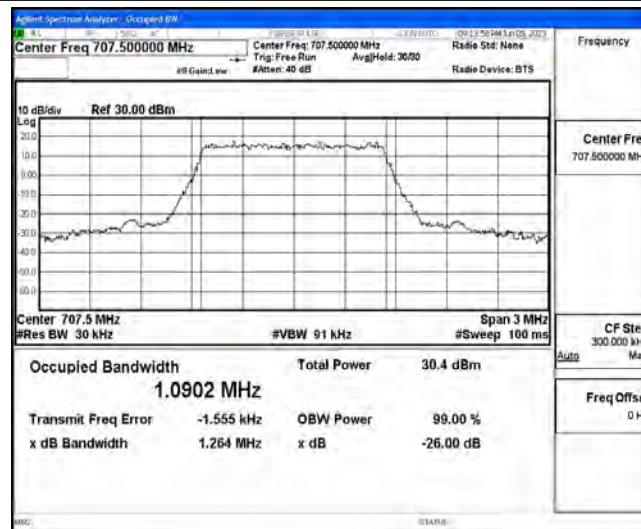
LC61400023047EB

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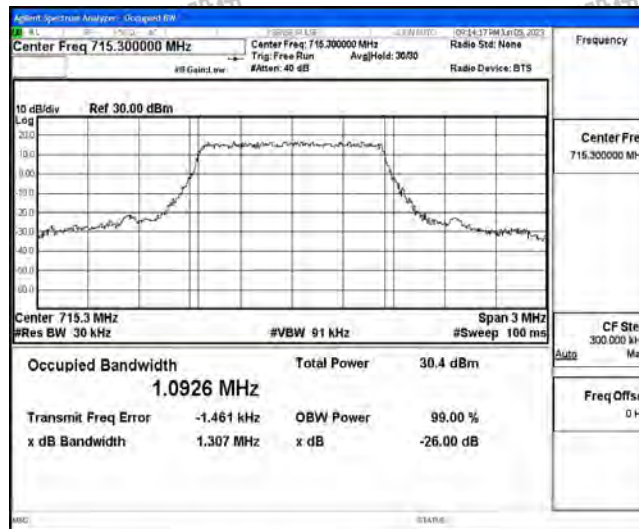
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

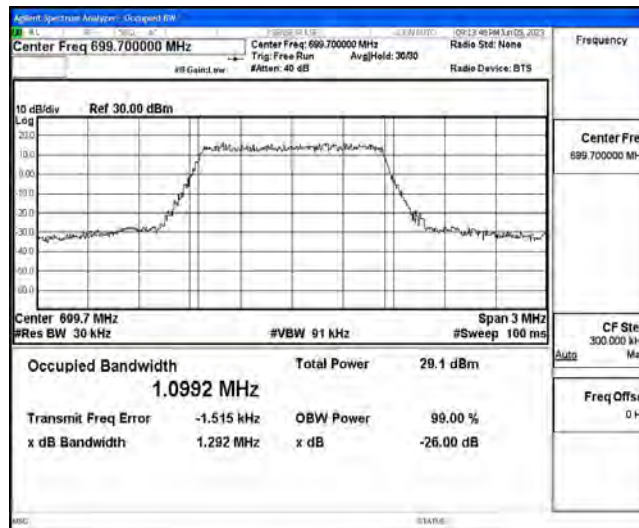
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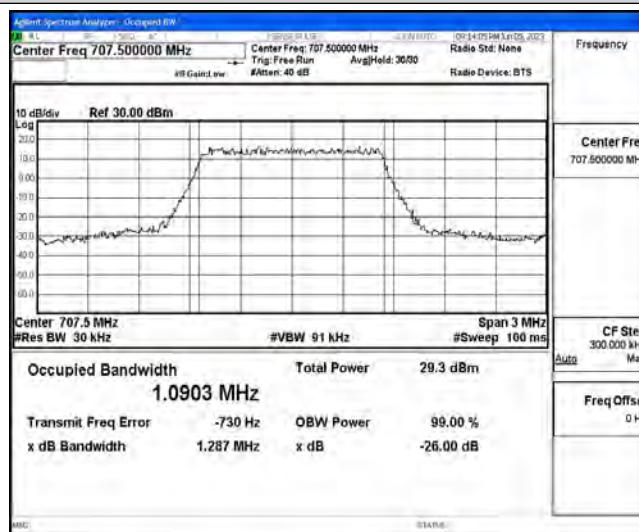
LC614300023047EB



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



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

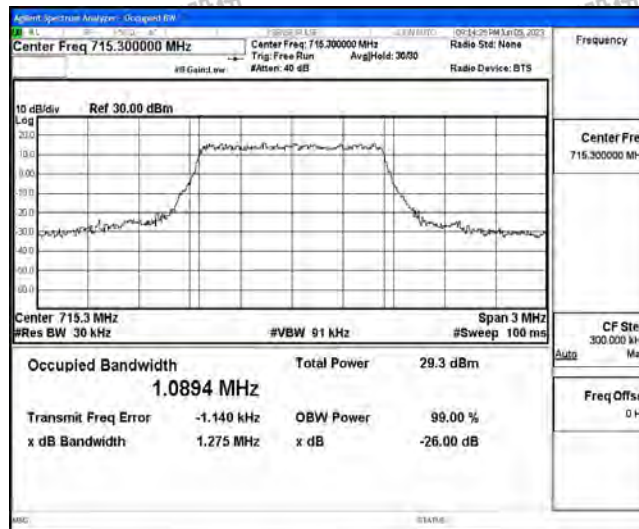


Band12-1.4MHz-16QAM-23173-6RB#0

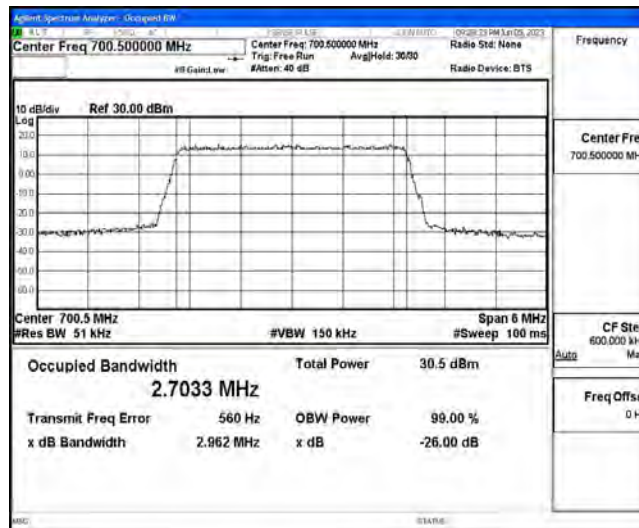




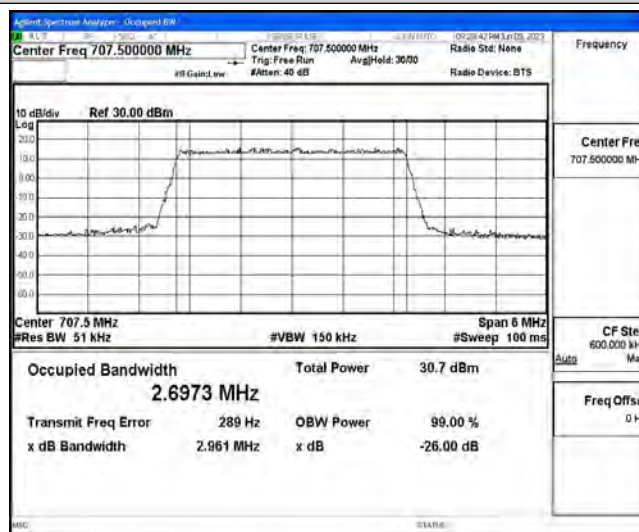
LC614000023047EB



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



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

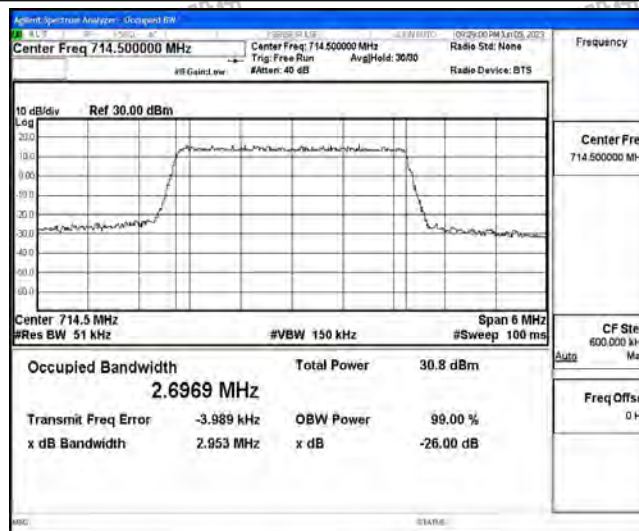


Band12-3MHz-QPSK-23165-15RB#0

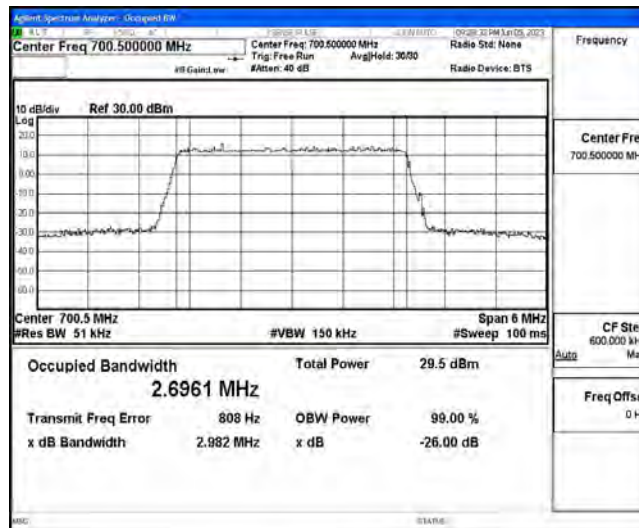




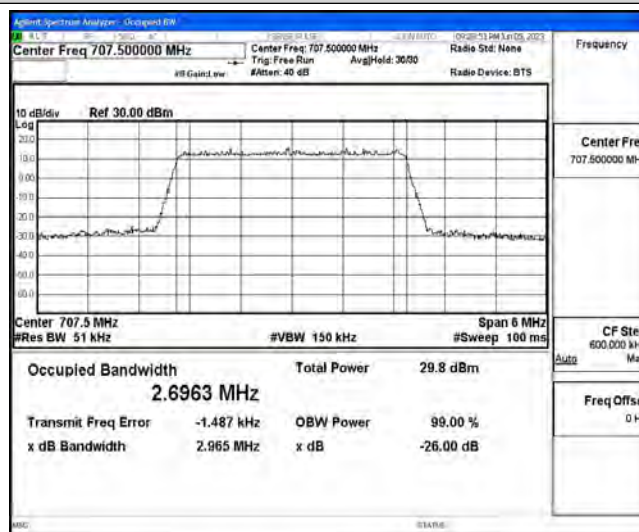
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Band12-3MHz-16QAM-23025-15RB#0



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

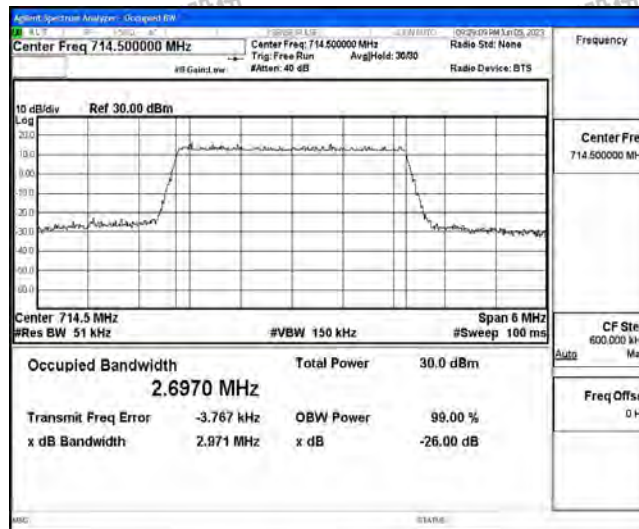


Band12-3MHz-16QAM-23165-15RB#0

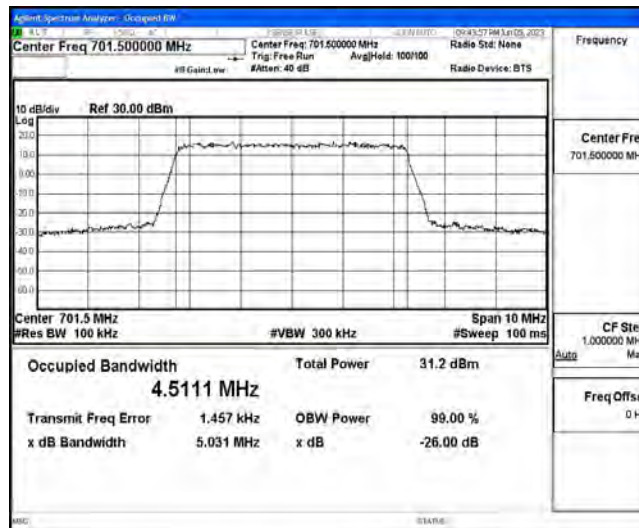




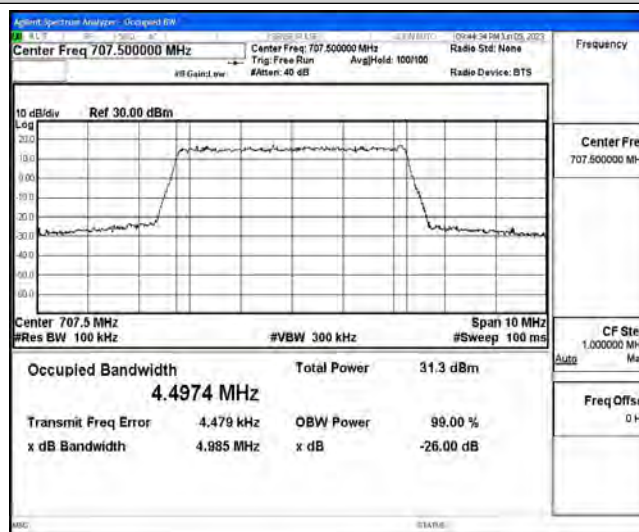
LC041000023047EB



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



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

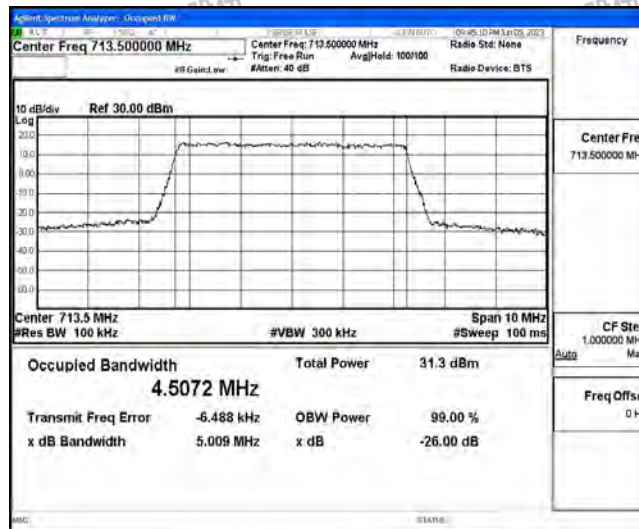


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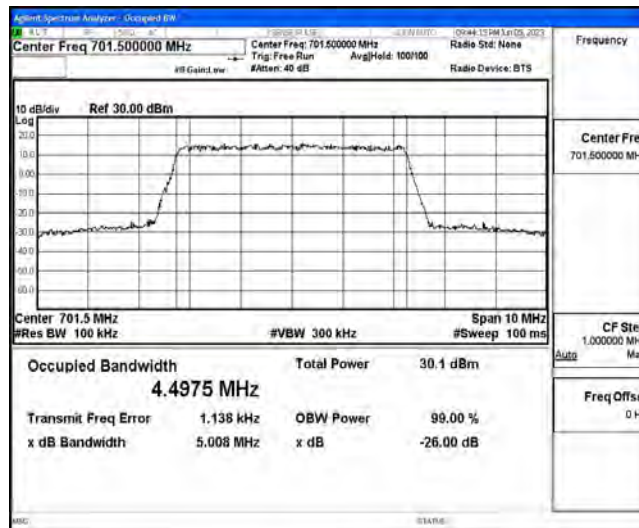




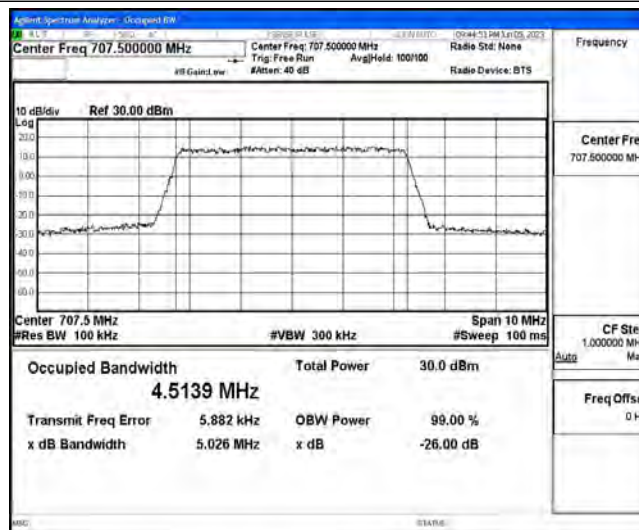
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Band12-5MHz-16QAM-23035-25RB#0



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

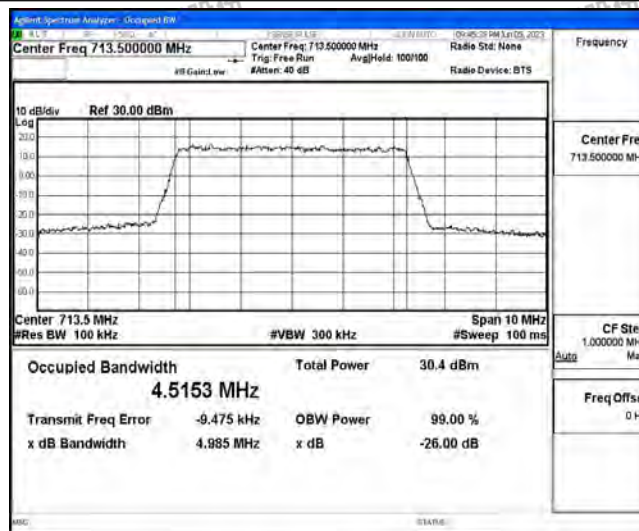


Band12-5MHz-16QAM-23155-25RB#0

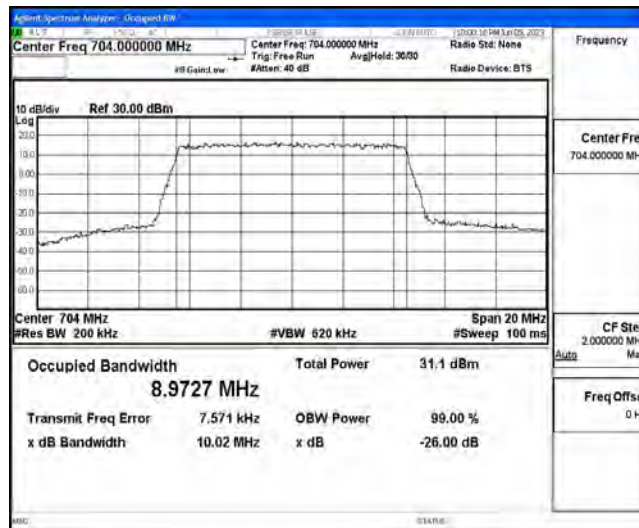




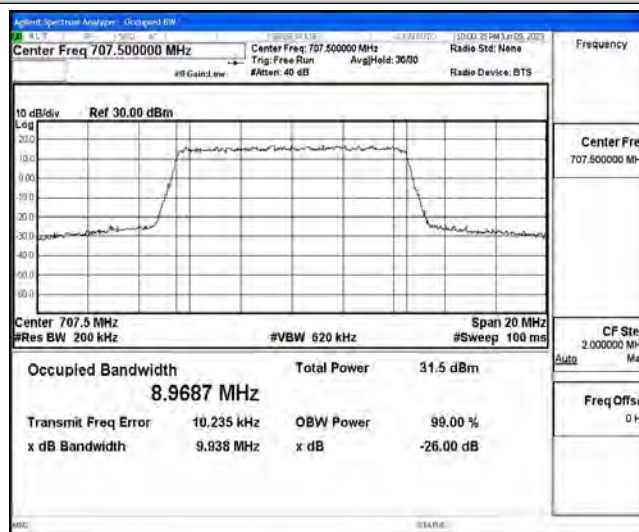
LC-23047EB



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



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

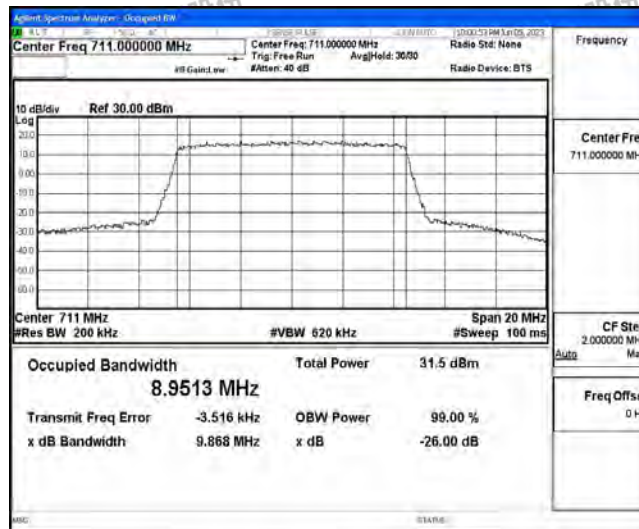


Band12-10MHz-QPSK-23130-50RB#0





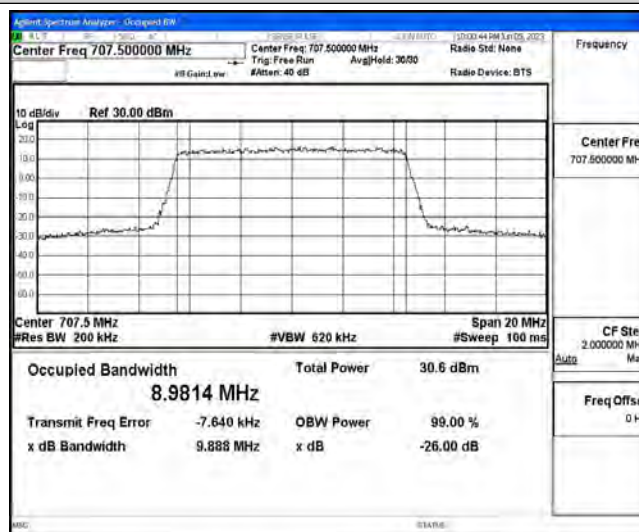
LC04300023047EB



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



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

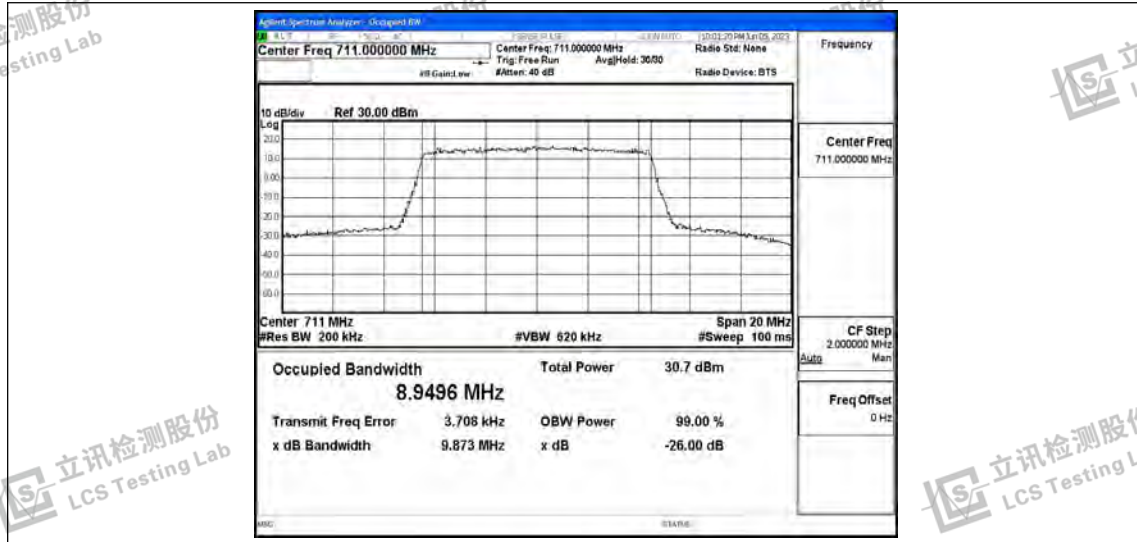


Band12-10MHz-16QAM-23130-50RB#0





LC 014300023047EB





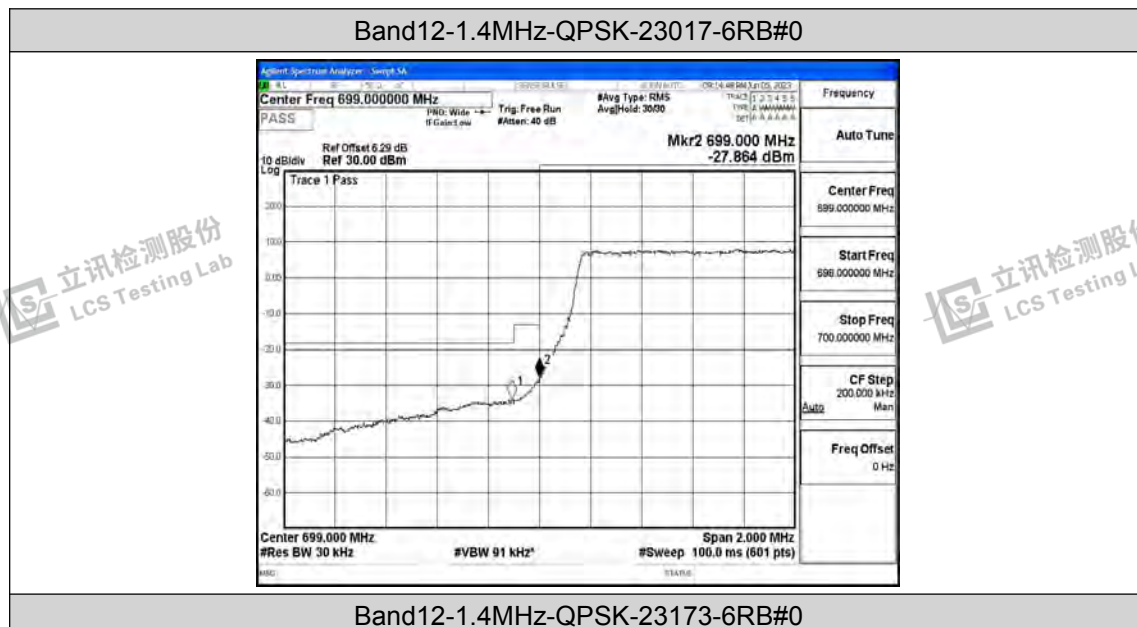
LC 2A4FR-LS4G-4-C-23047EB

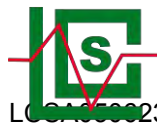
E.4 Band Edge

Test Result

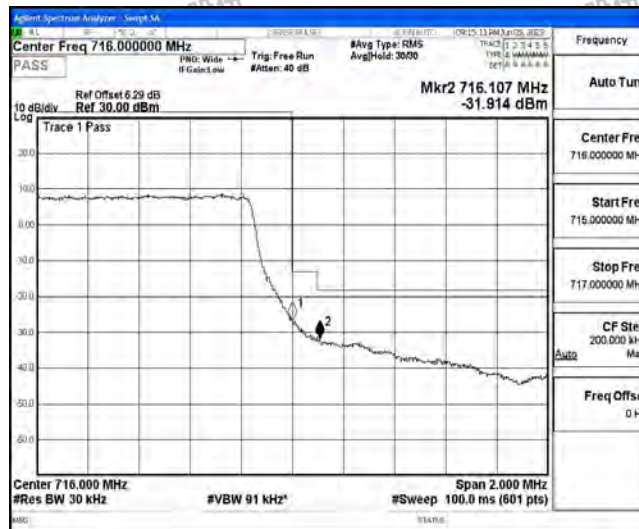
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-33.87,-27.86	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-26.86,-31.91	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-35.52,-29.65	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-28.00,-32.78	PASS
Band12	3MHz	QPSK	23025	15RB#0	-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

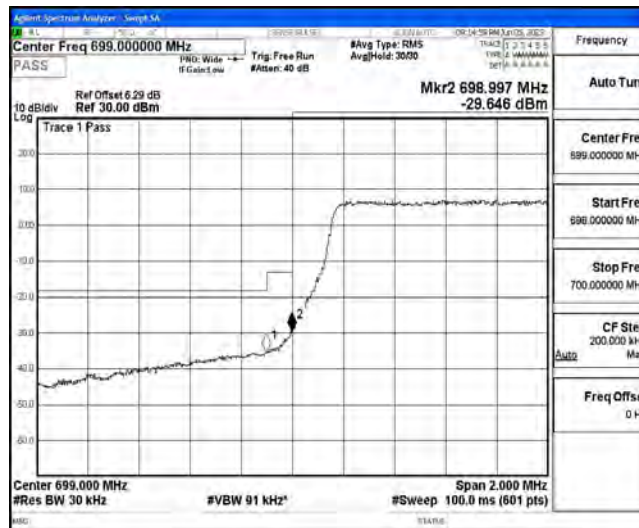




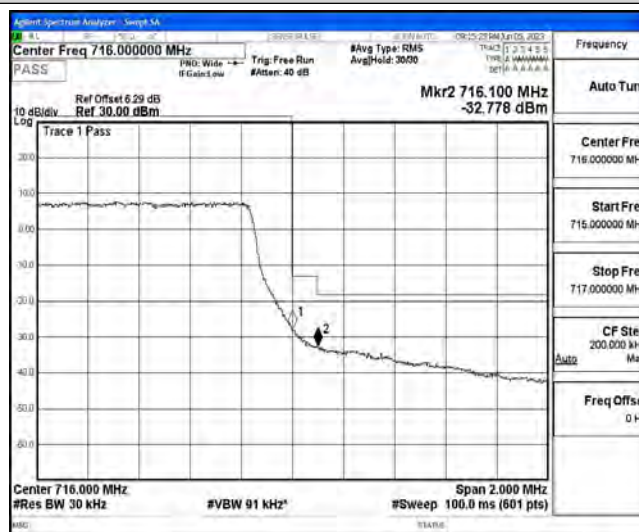
LC041000023047EB



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



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



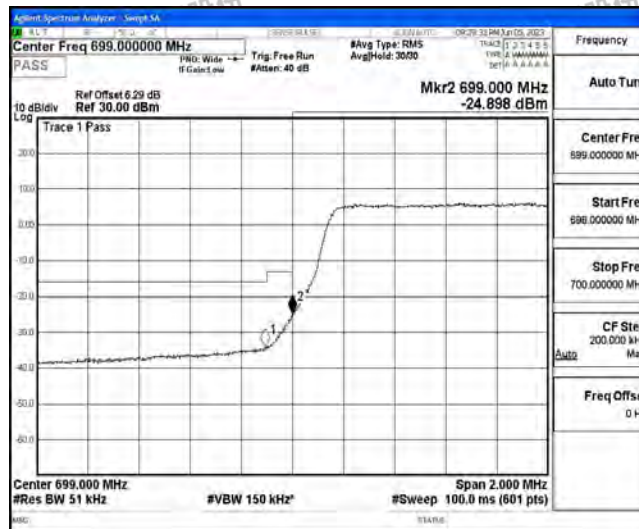
Band12-3MHz-QPSK-23025-15RB#0



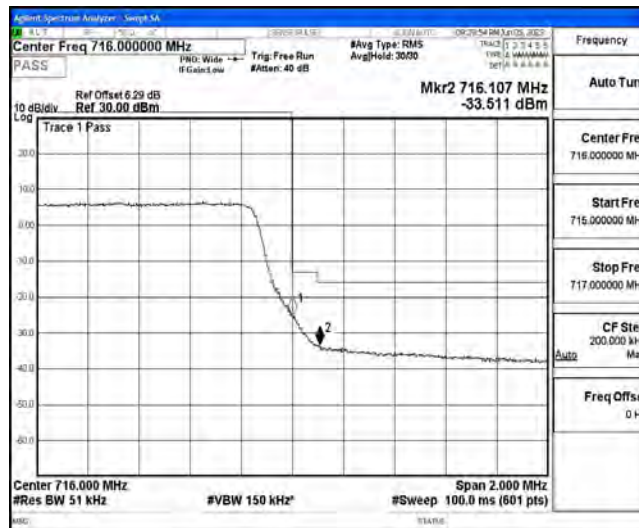
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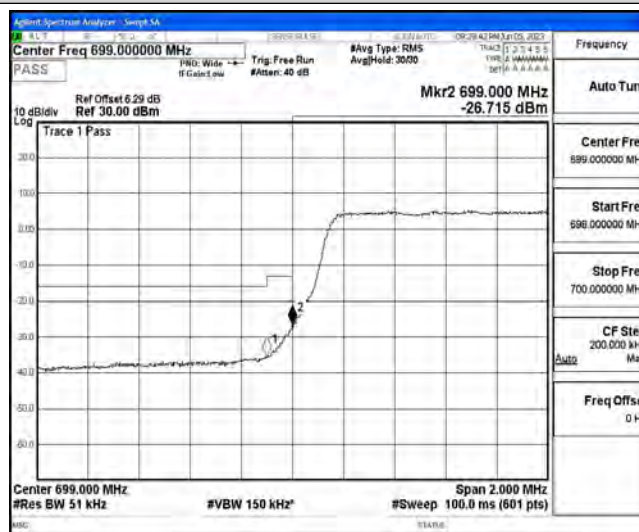
LC041600023047EB



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



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



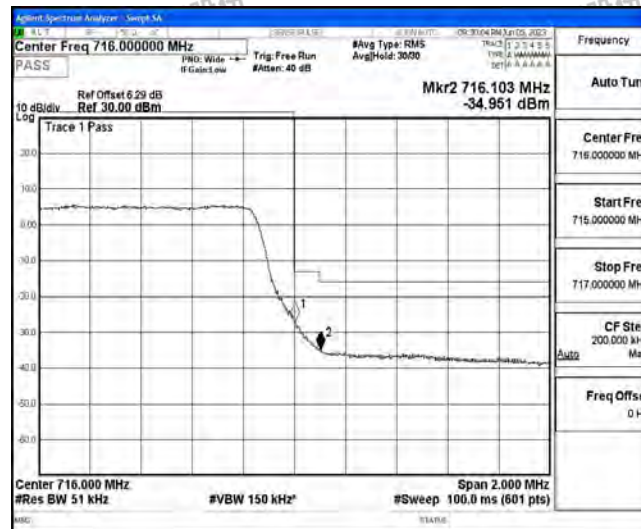
Band12-3MHz-16QAM-23165-15RB#0



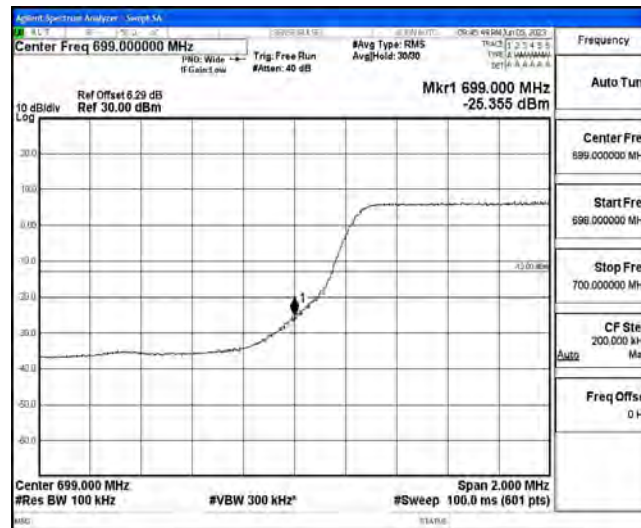
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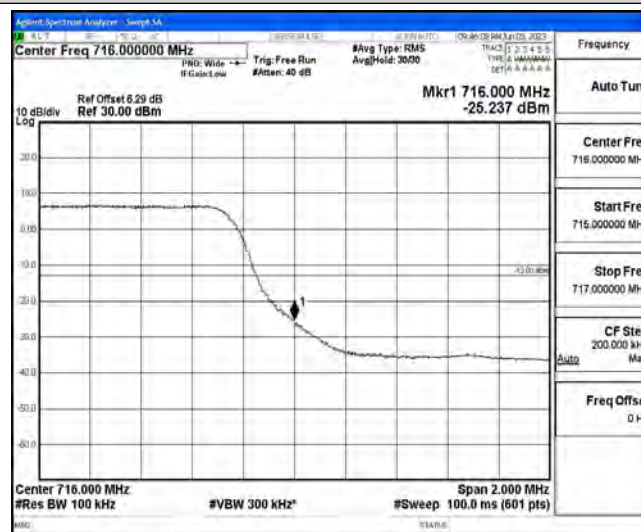
LC04300023047EB



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



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



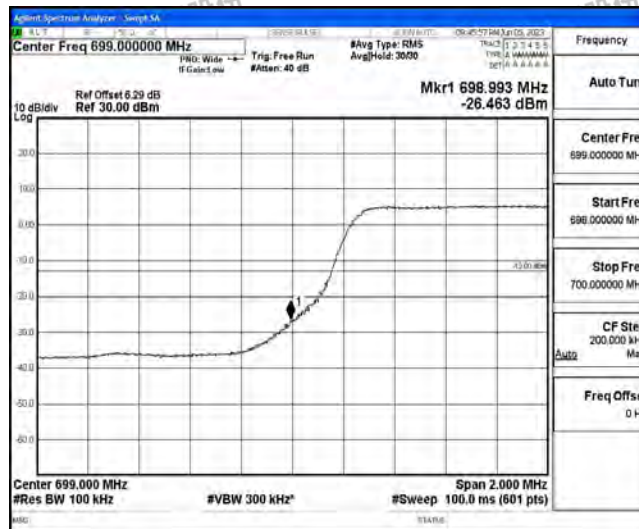
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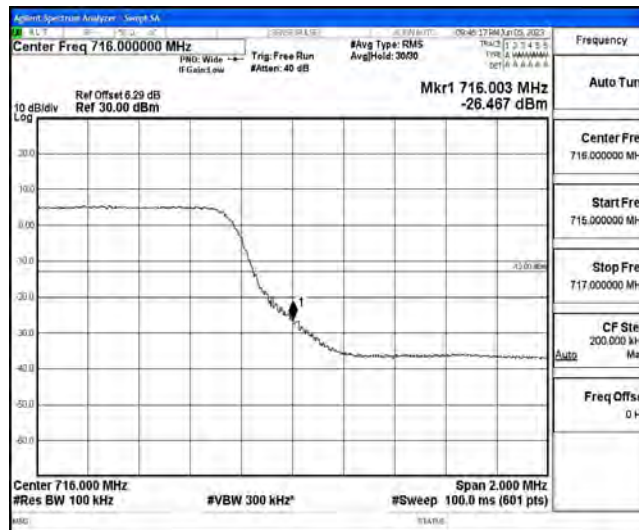
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Scan code to check authenticity



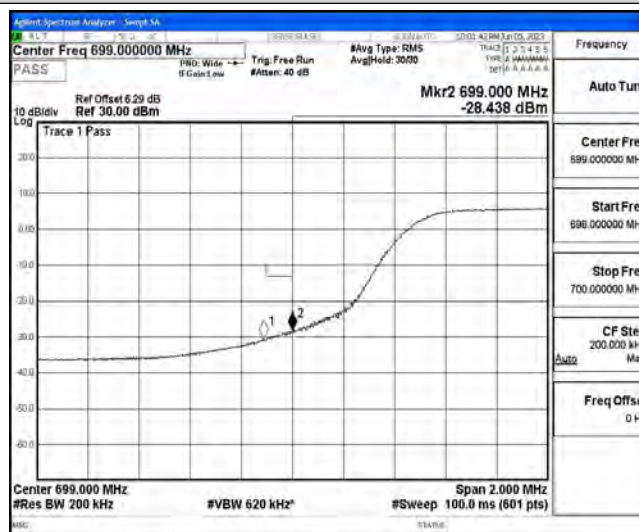
LC-23047EB



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



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



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



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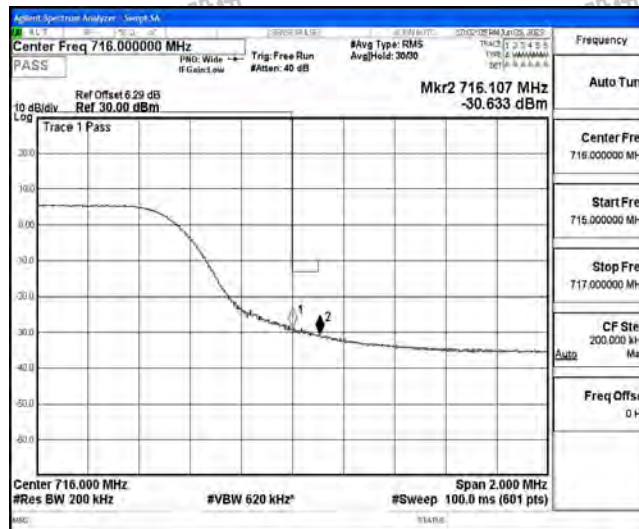
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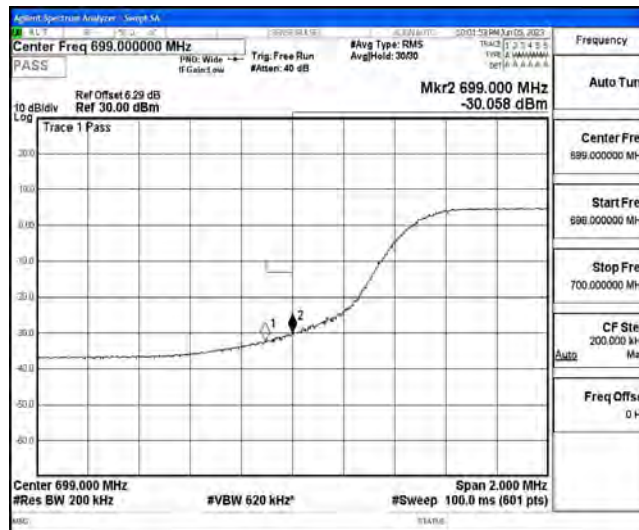
Scan code to check authenticity



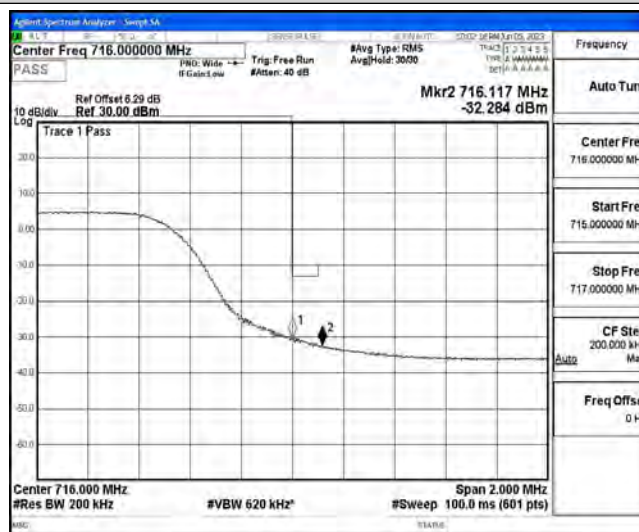
LC01000023047EB



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



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



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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





LC-23047EB

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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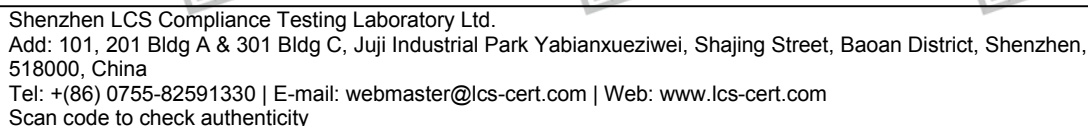
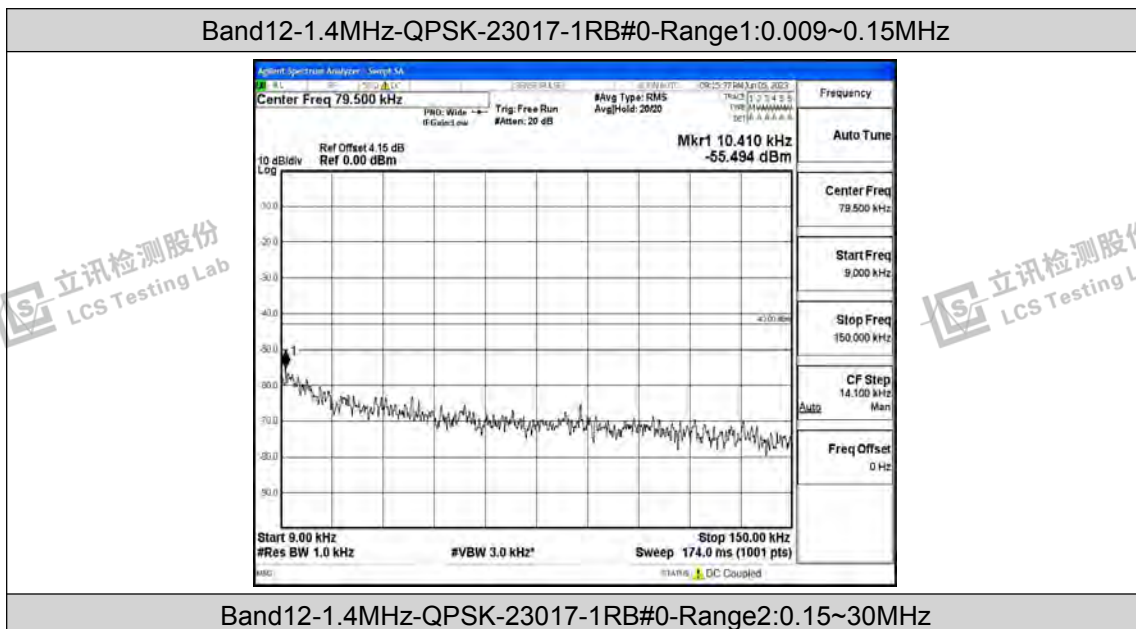
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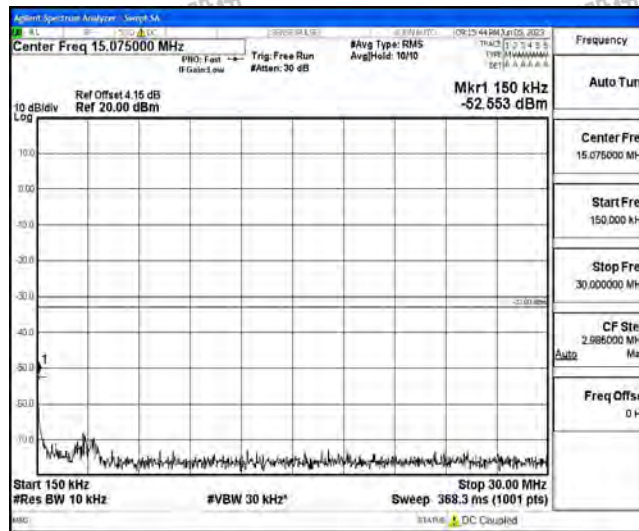
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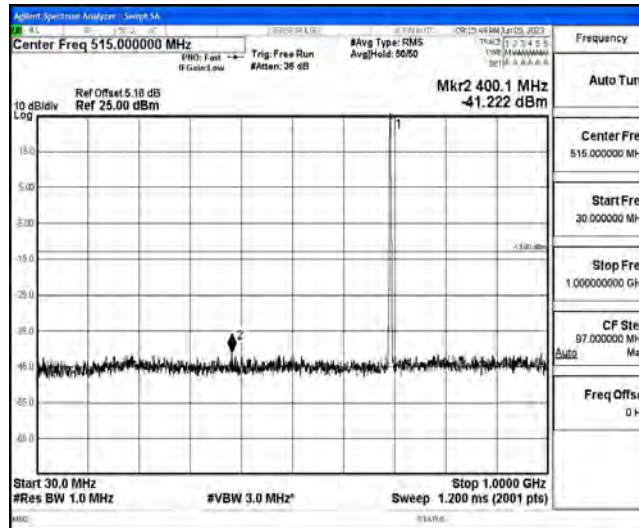
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Band12	10MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-56.13	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-50.6	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.61	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band12	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

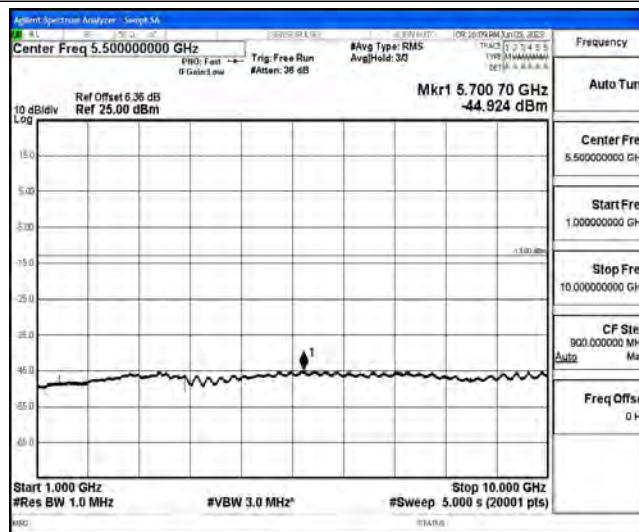




Band12-1.4MHz-QPSK-23017-1RB#0-Range3:30~1000MHz



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

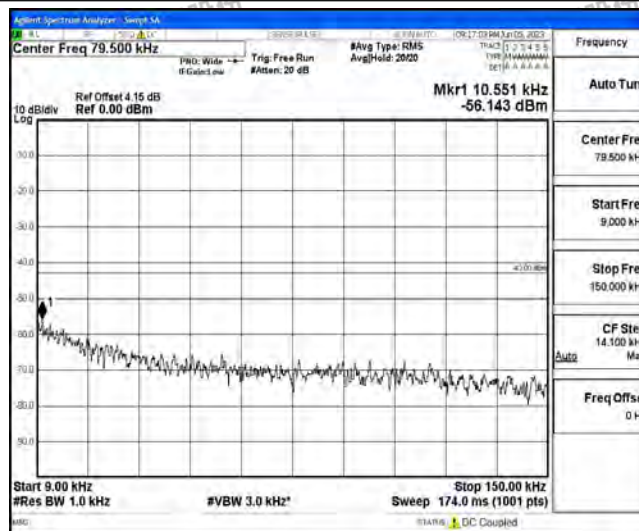


Band12-1.4MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz

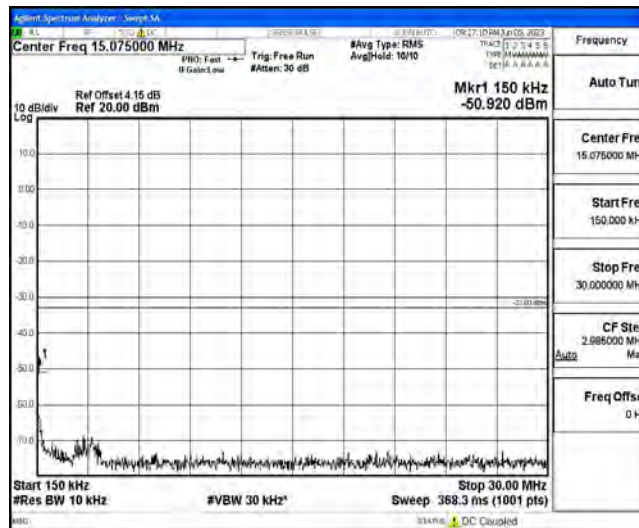




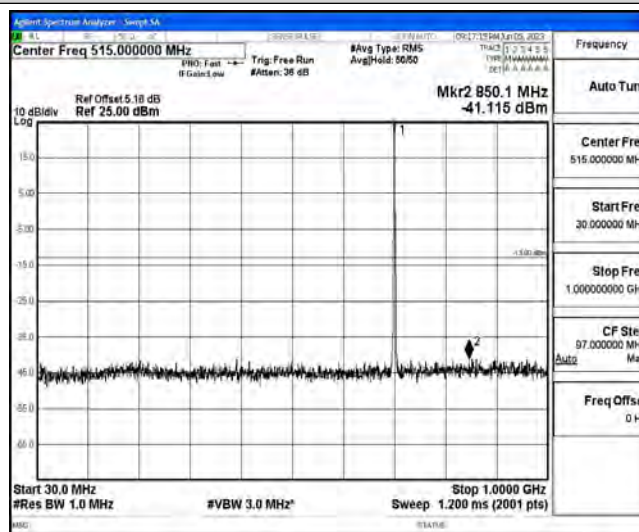
LC-23047EB



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



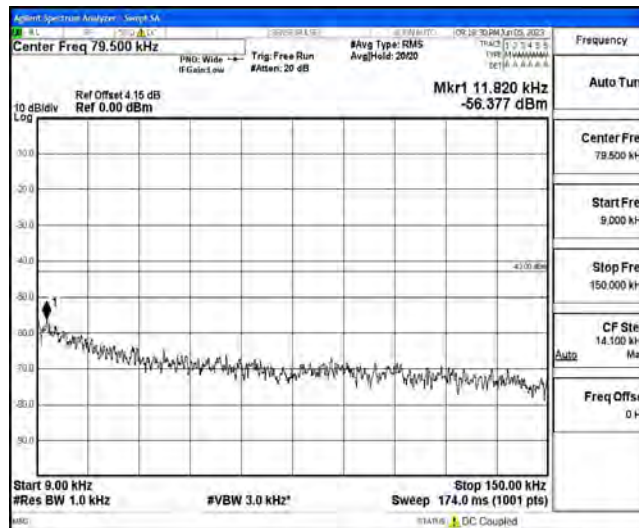
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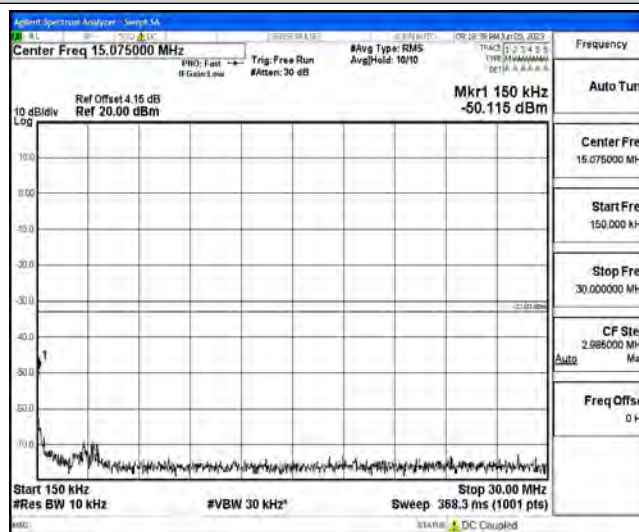
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Band12-1.4MHz-QPSK-23173-1RB#0-Range1:0.009~0.15MHz



Band12-1.4MHz-QPSK-23173-1RB#0-Range2:0.15~30MHz



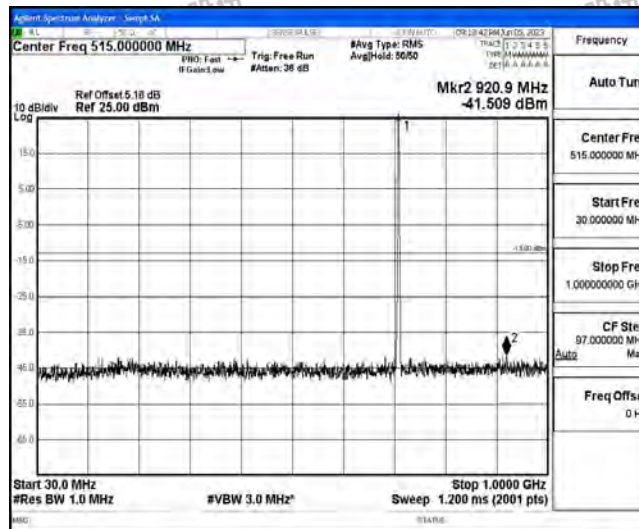
Band12-1.4MHz-QPSK-23173-1RB#0-Range3:30~1000MHz



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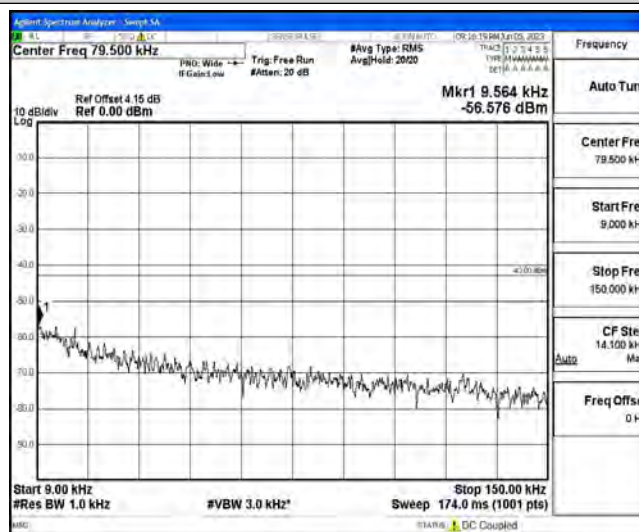
LC014000023047EB



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Band12-1.4MHz-16QAM-23017-1RB#0-Range1:0.009~0.15MHz



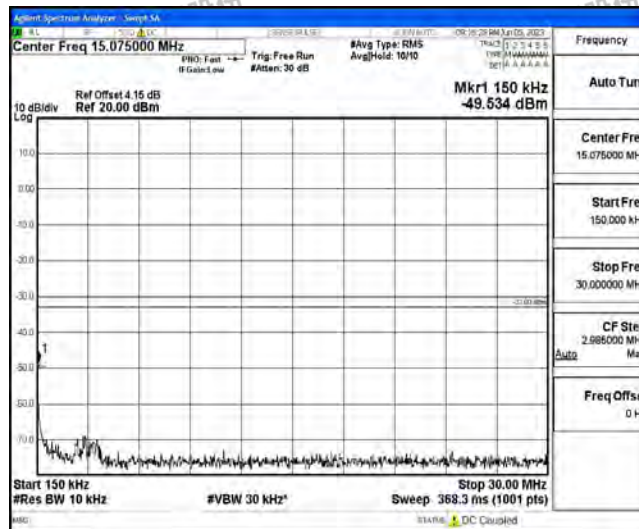
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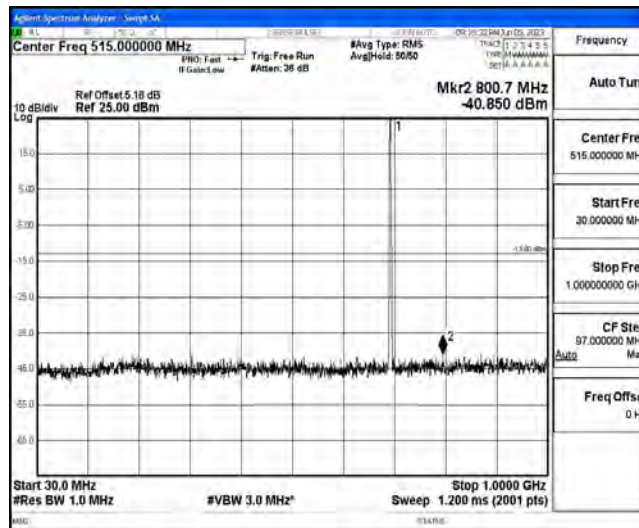
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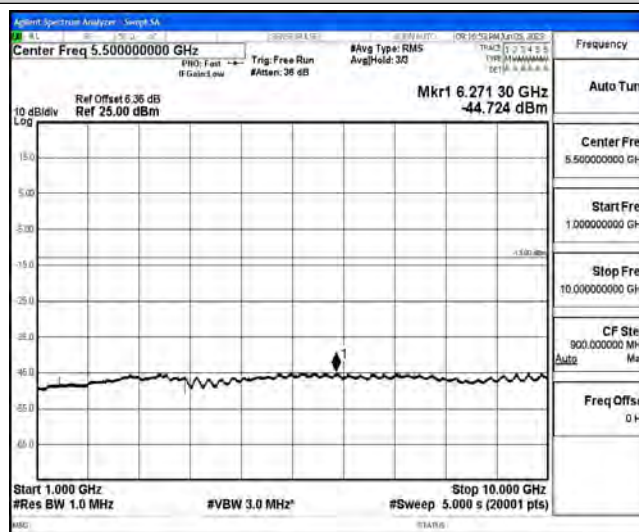
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Band12-1.4MHz-16QAM-23017-1RB#0-Range4:1000~10000MHz



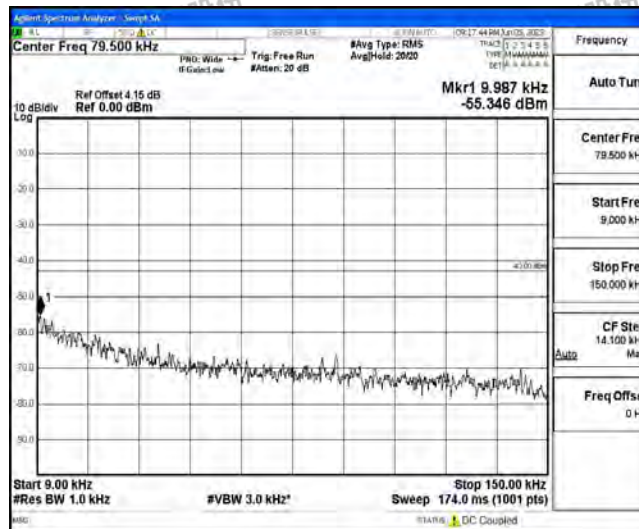
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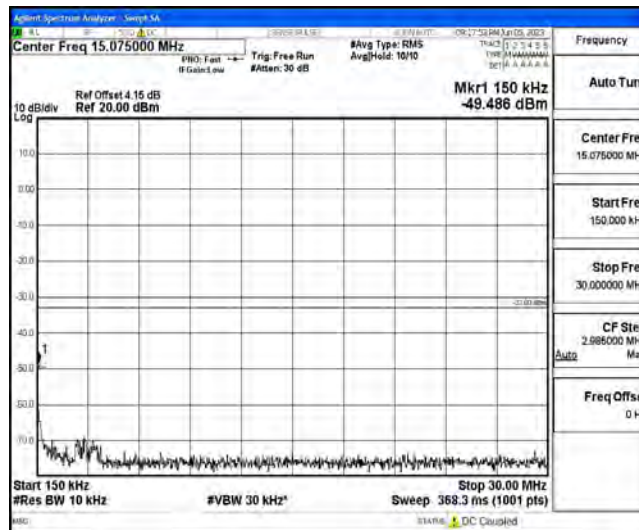
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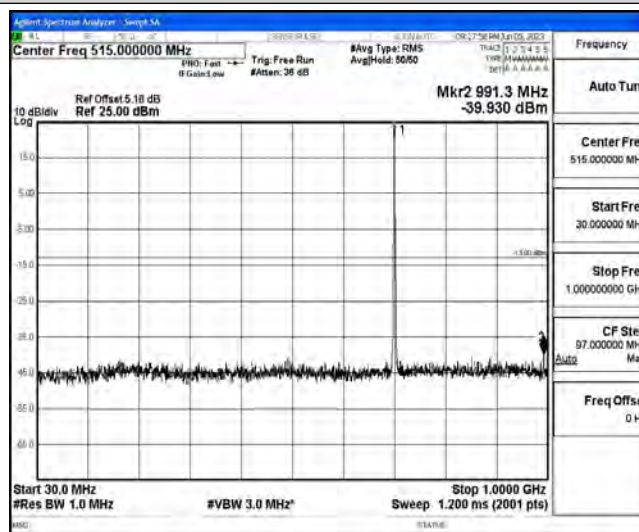
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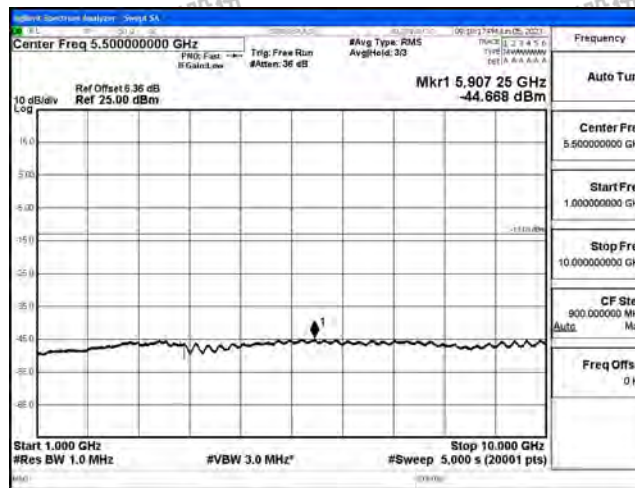
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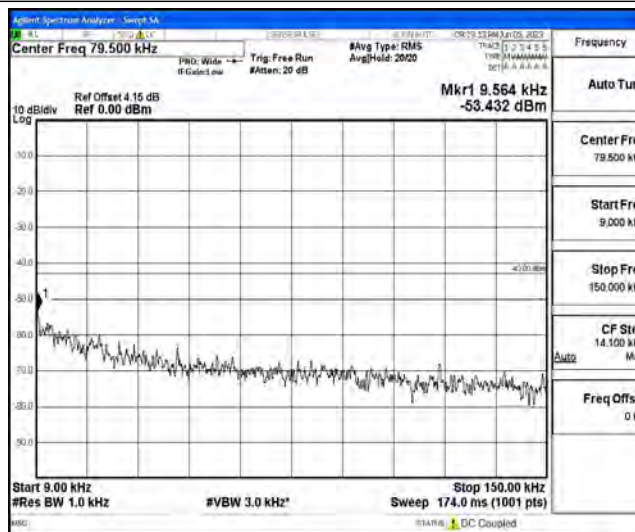
Band12-1.4MHz-16QAM-23095-1RB#0-Range4:1000~10000MHz



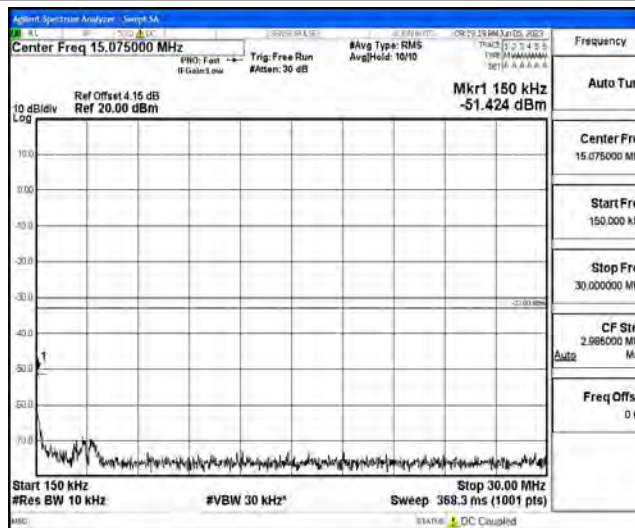
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Band12-1.4MHz-16QAM-23173-1RB#0-Range1:0.009~0.15MHz



Band12-1.4MHz-16QAM-23173-1RB#0-Range2:0.15~30MHz



Band12-1.4MHz-16QAM-23173-1RB#0-Range3:30~1000MHz



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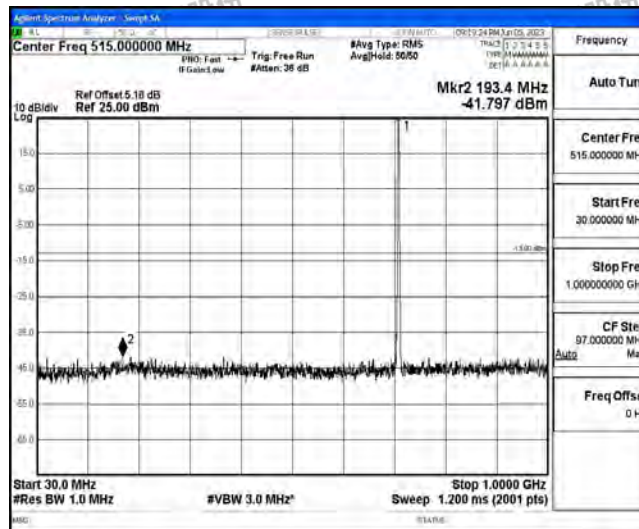
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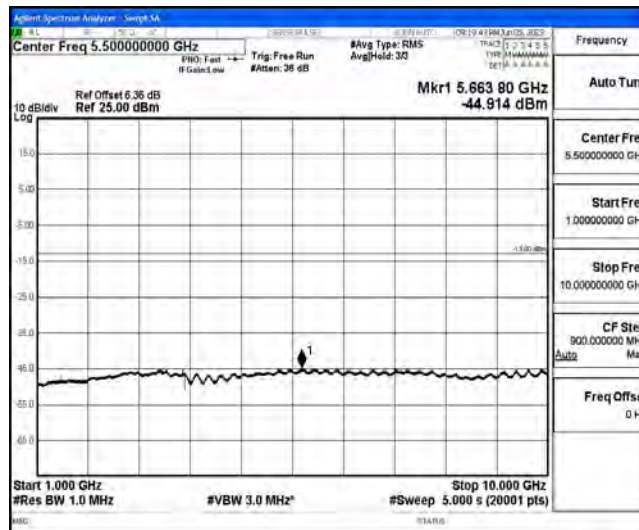
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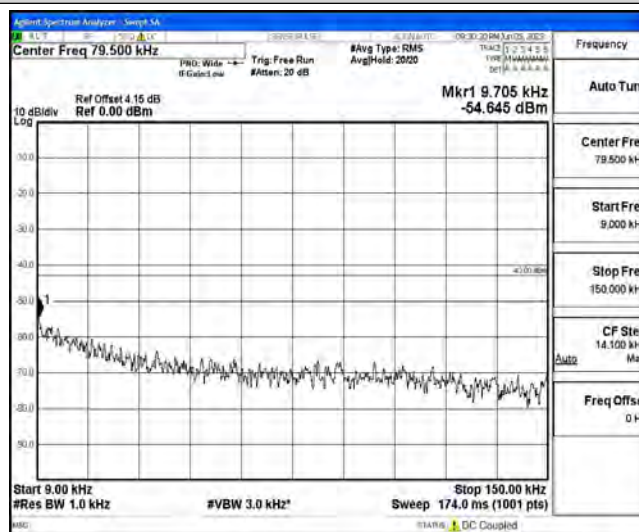
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Band12-1.4MHz-16QAM-23173-1RB#0-Range4:1000~10000MHz



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



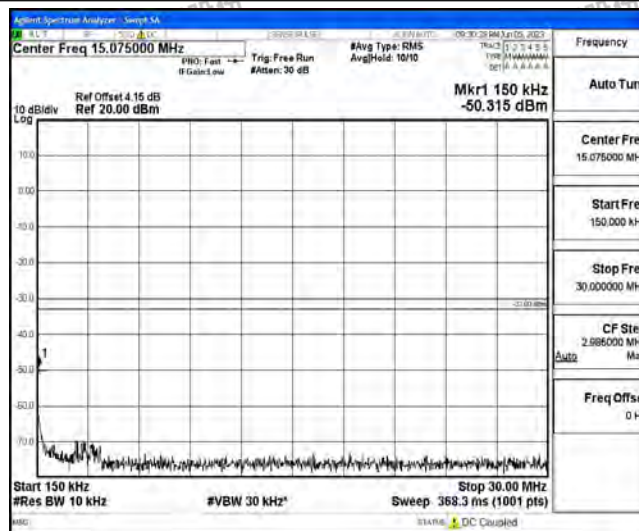
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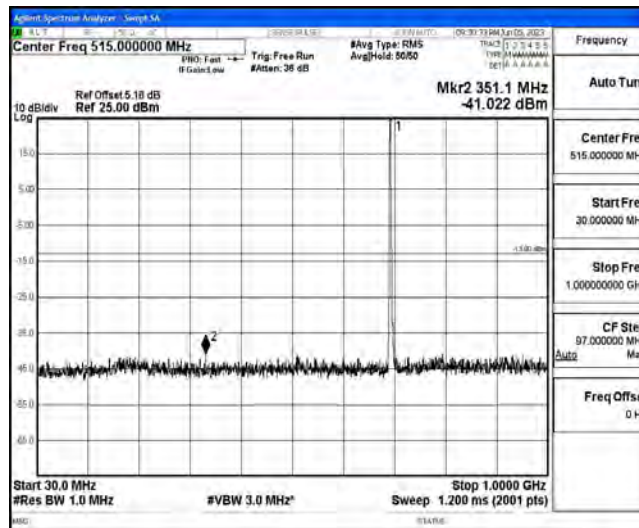
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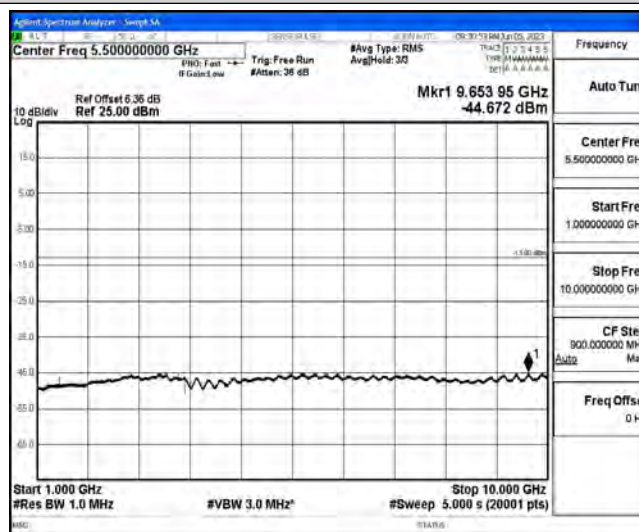
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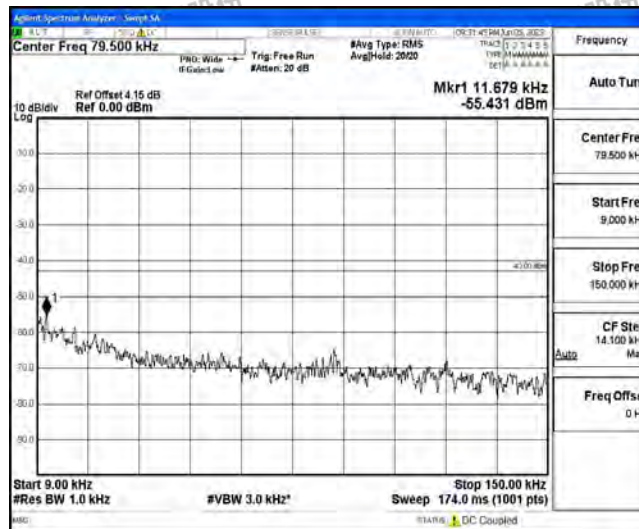
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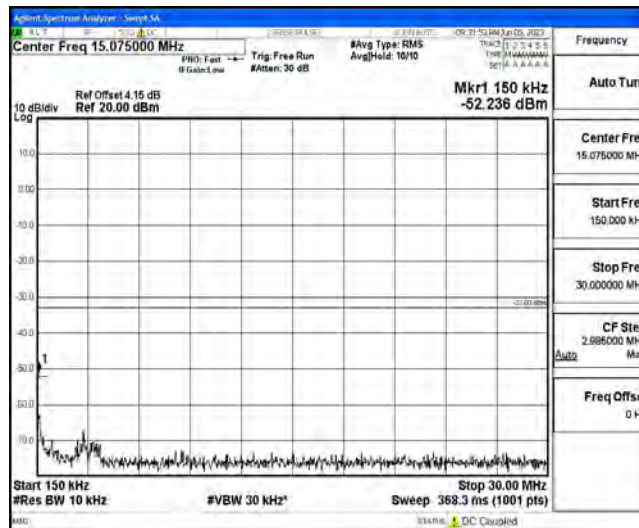
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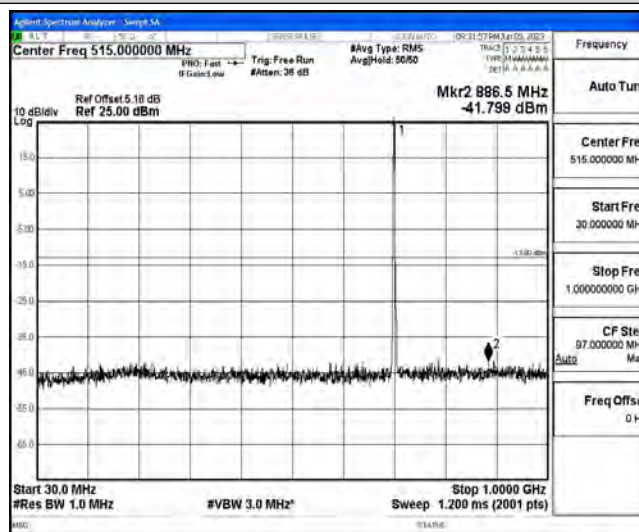
LC04300023047EB



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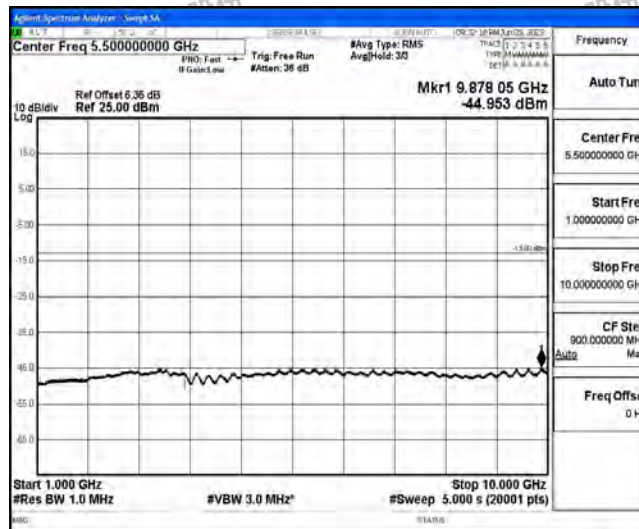
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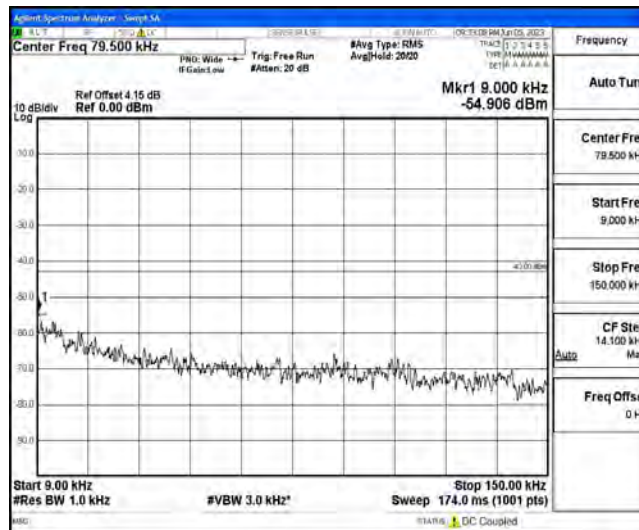
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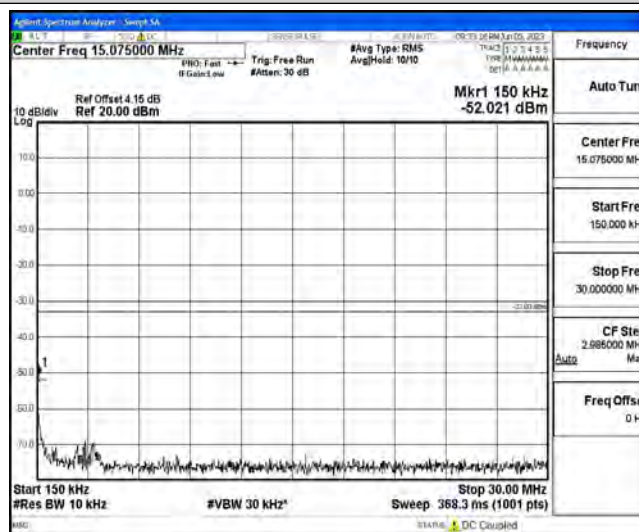
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Band12-3MHz-QPSK-23165-1RB#0-Range1:0.009~0.15MHz



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

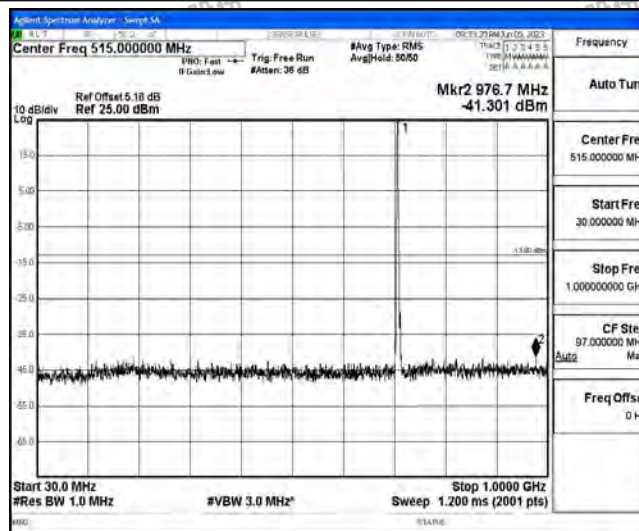


Band12-3MHz-QPSK-23165-1RB#0-Range3:30~1000MHz

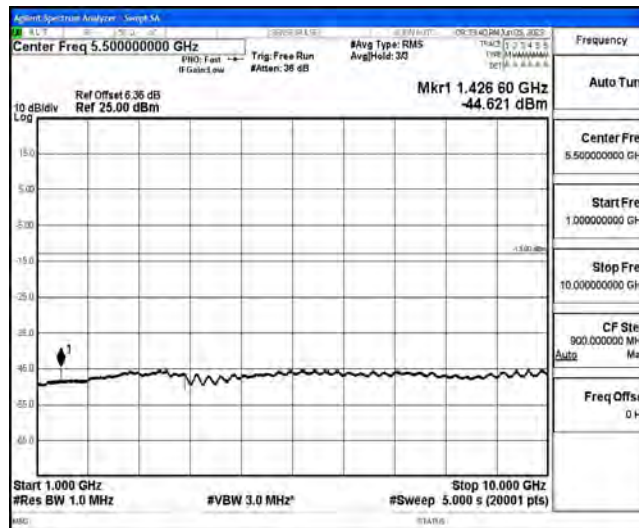




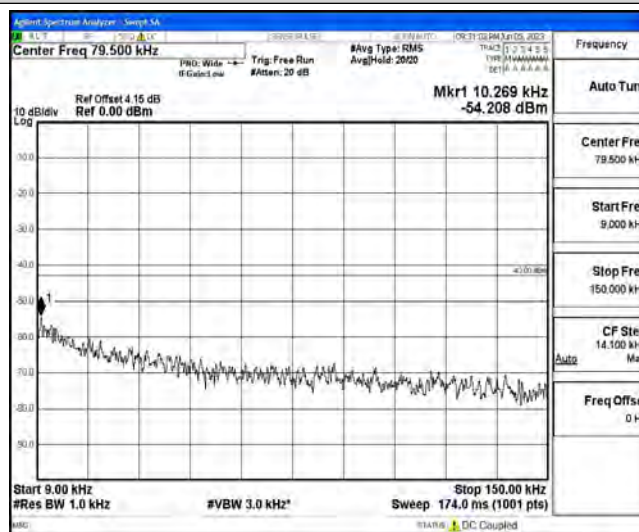
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Band12-3MHz-QPSK-23165-1RB#0-Range4:1000~10000MHz



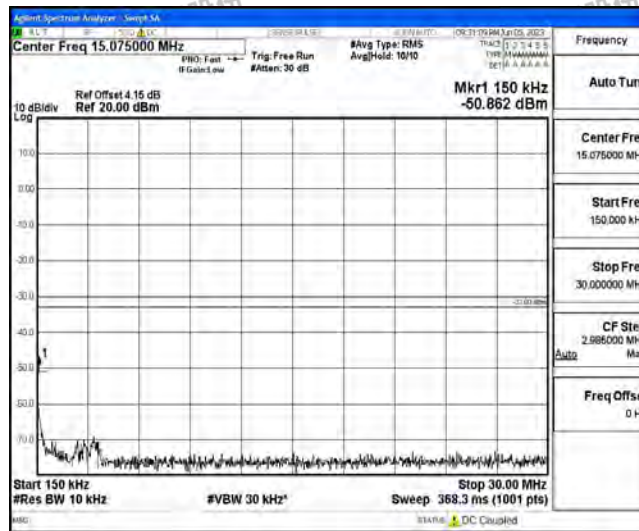
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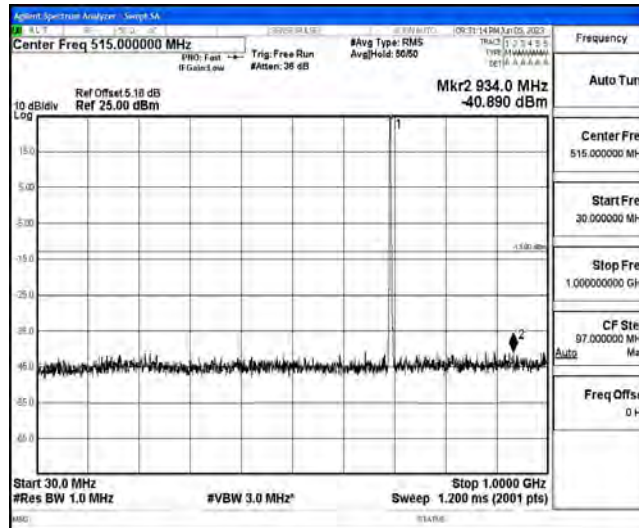
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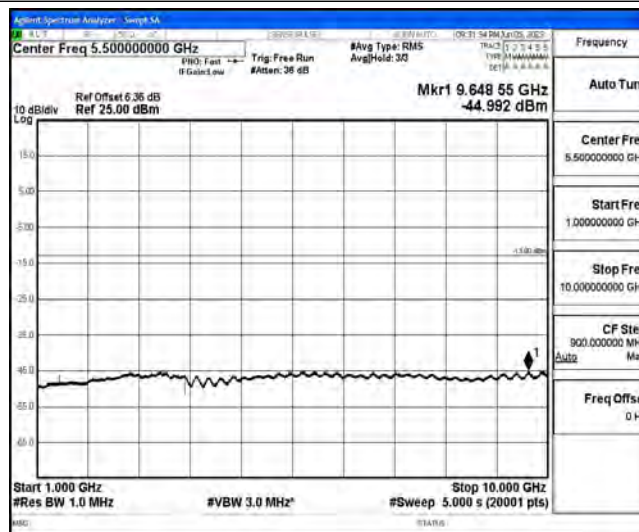
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Band12-3MHz-16QAM-23025-1RB#0-Range3:30~1000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range4:1000~10000MHz

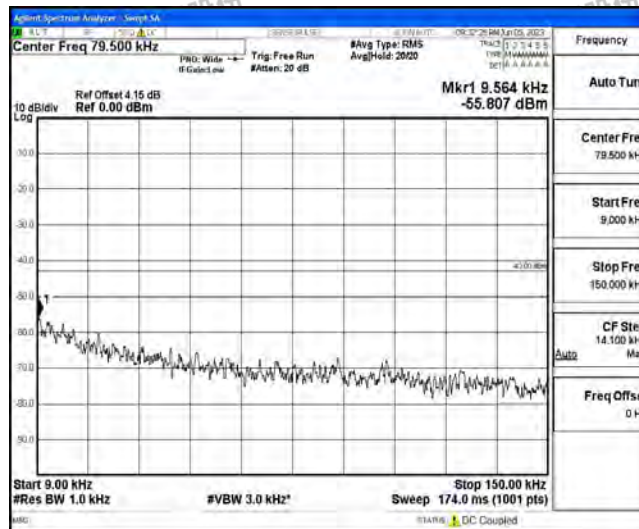


Band12-3MHz-16QAM-23095-1RB#0-Range1:0.009~0.15MHz

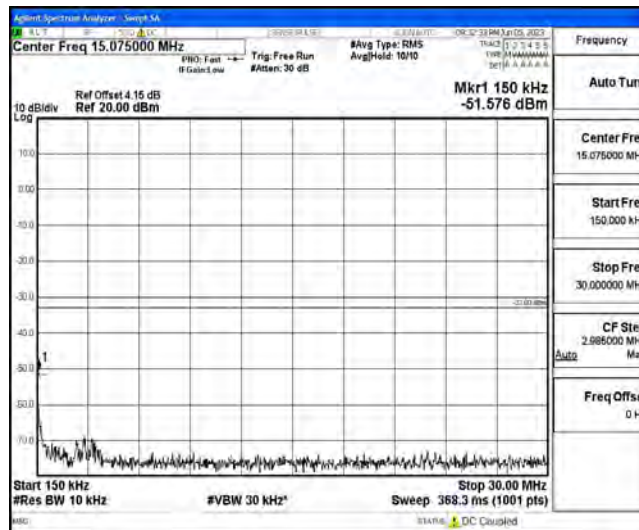




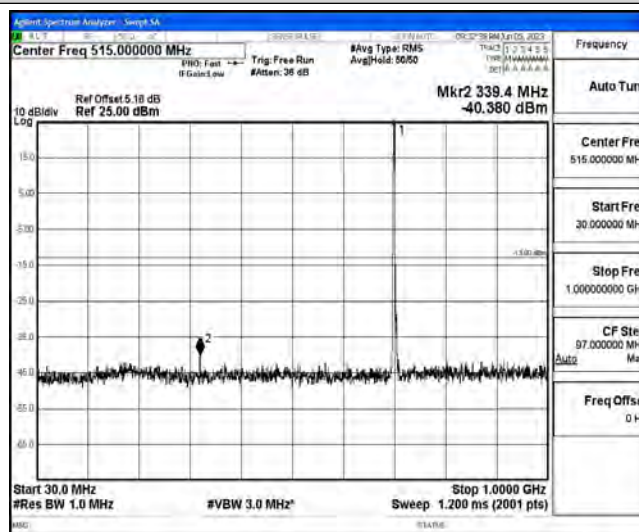
LC041000023047EB



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



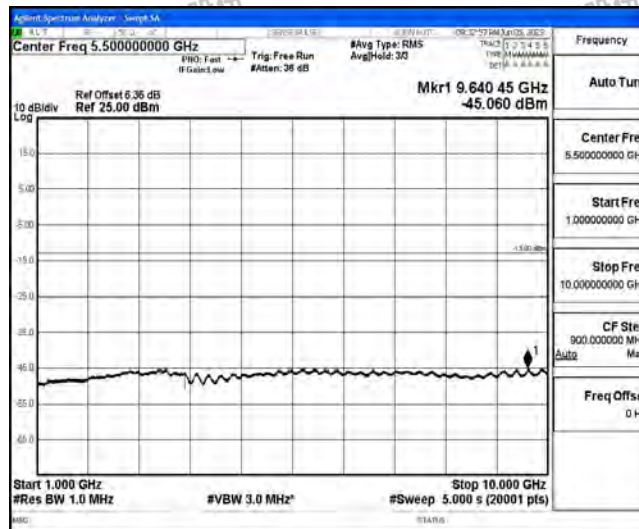
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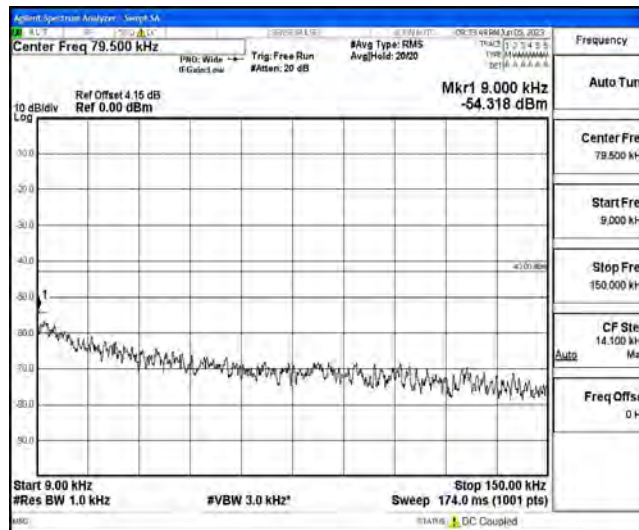
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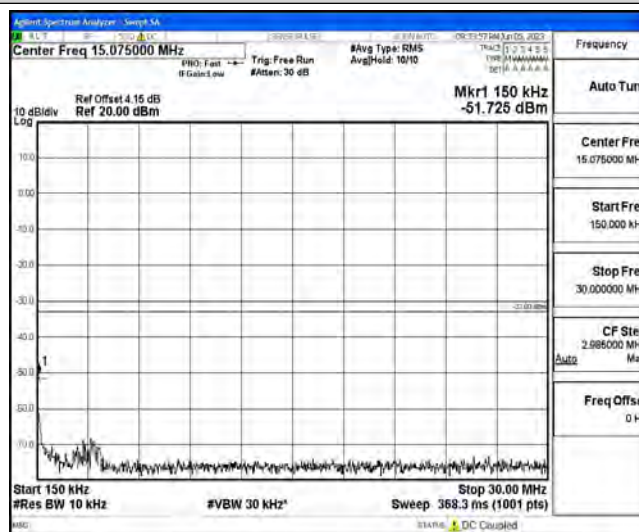
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Band12-3MHz-16QAM-23165-1RB#0-Range1:0.009~0.15MHz



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



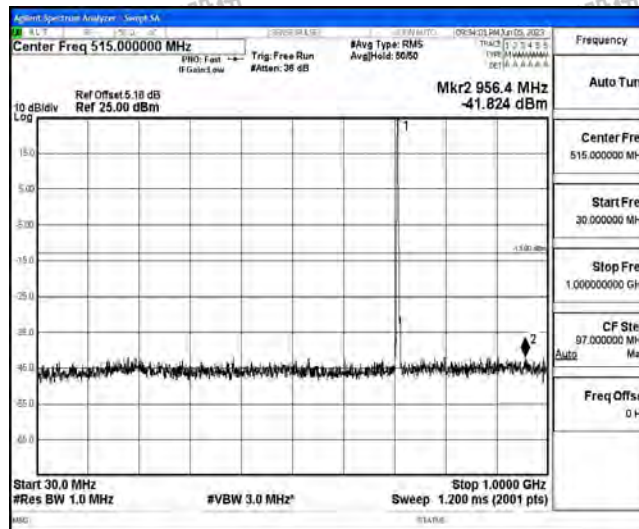
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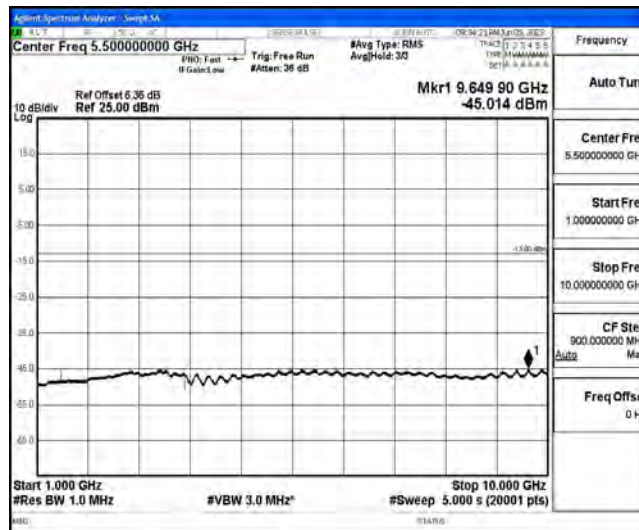
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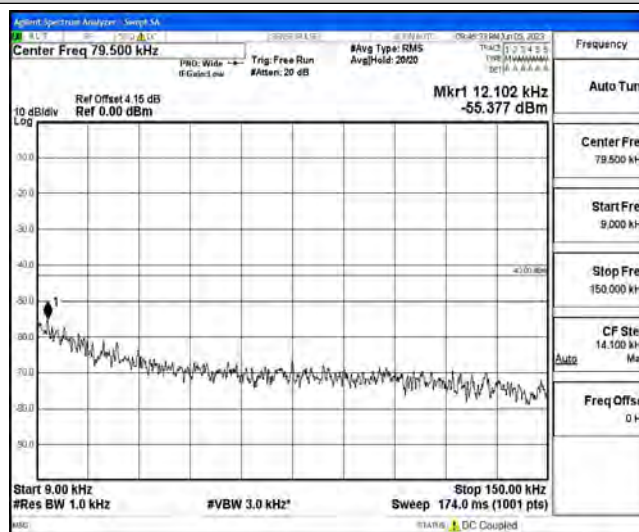
LC014000023047EB



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



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

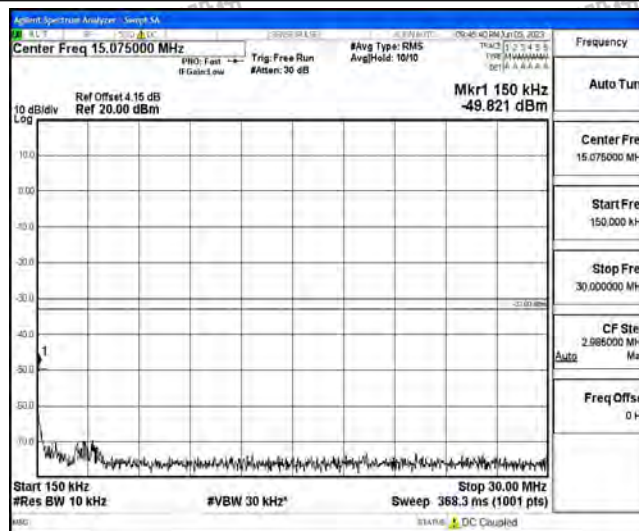


Band12-5MHz-QPSK-23035-1RB#0-Range2:0.15~30MHz

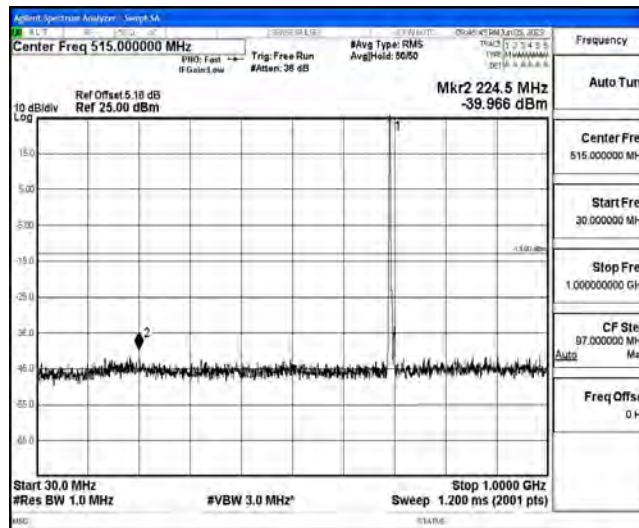




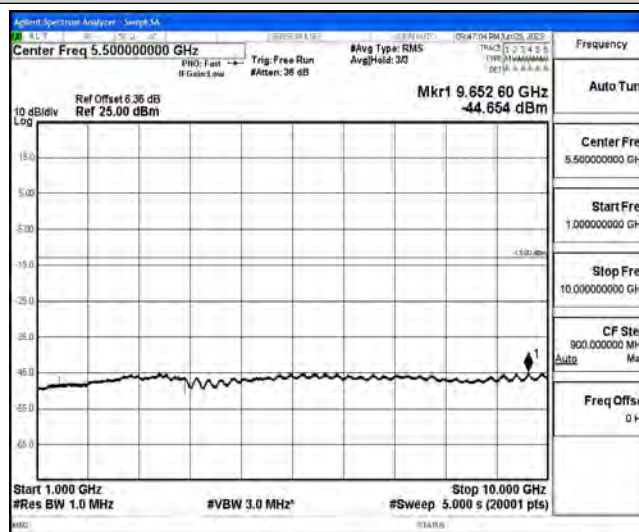
LC61300023047EB



Band12-5MHz-QPSK-23035-1RB#0-Range3:30~1000MHz



Band12-5MHz-QPSK-23035-1RB#0-Range4:1000~10000MHz



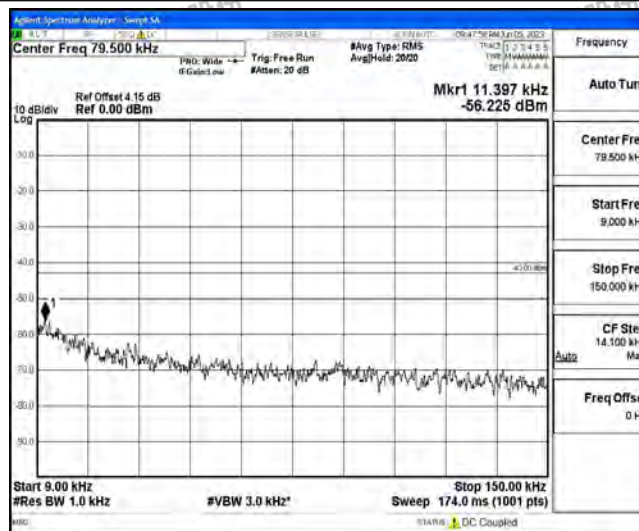
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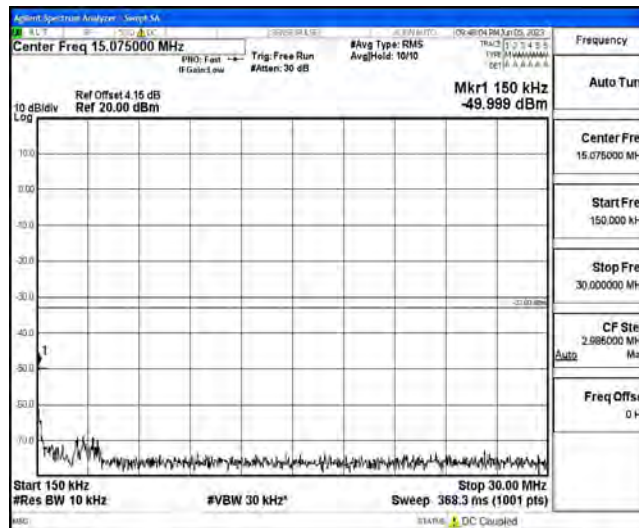
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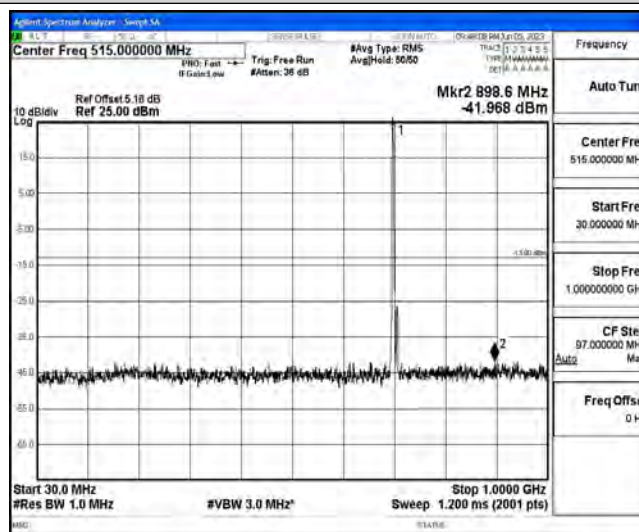
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Band12-5MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



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



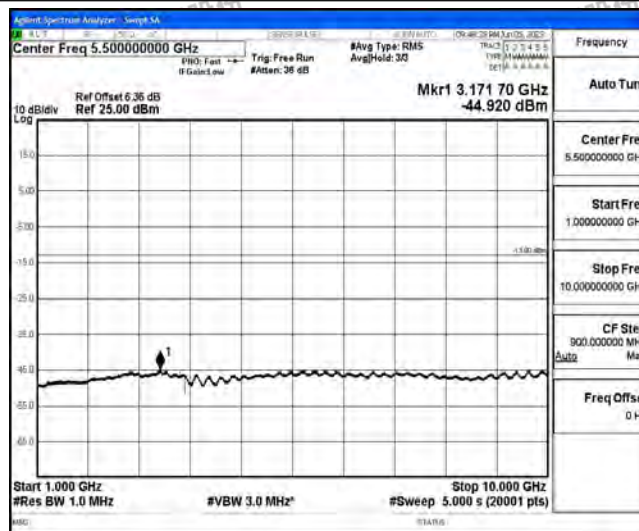
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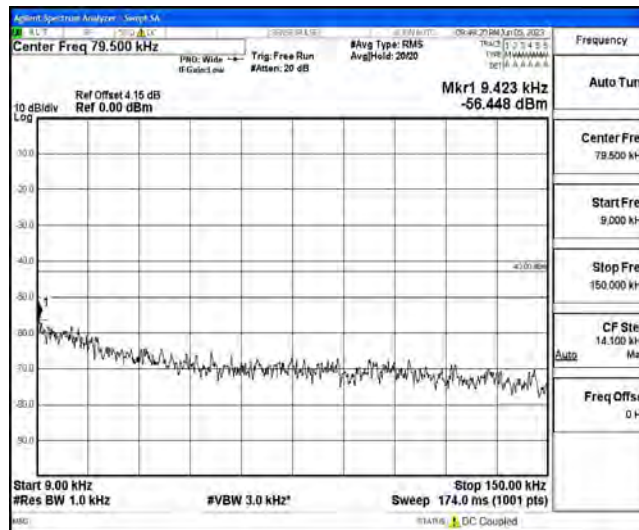
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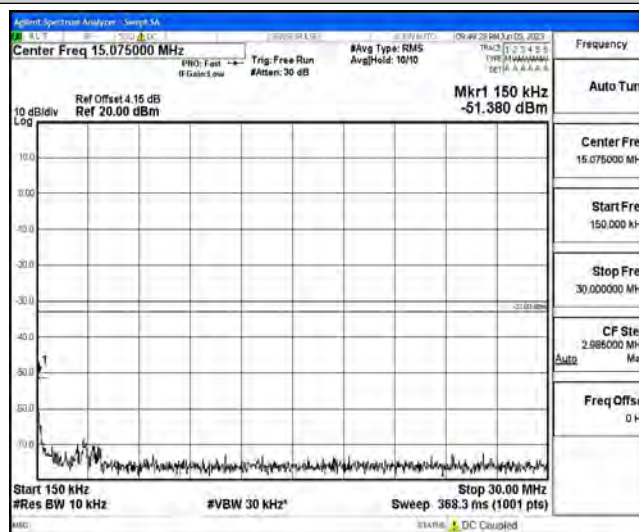
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Band12-5MHz-QPSK-23155-1RB#0-Range1:0.009~0.15MHz



Band12-5MHz-QPSK-23155-1RB#0-Range2:0.15~30MHz



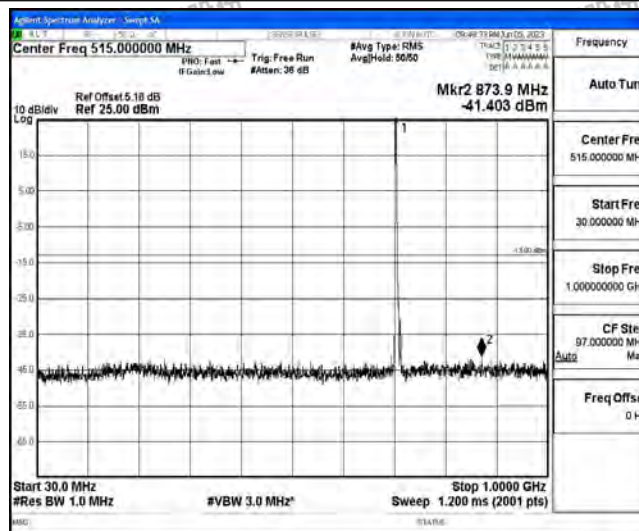
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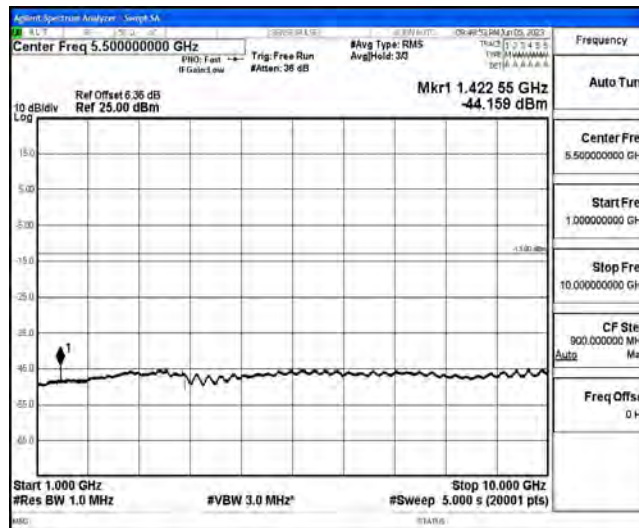
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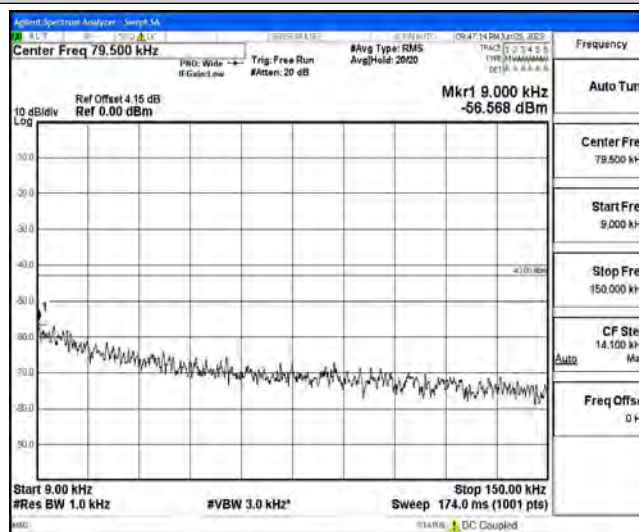
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Band12-5MHz-QPSK-23155-1RB#0-Range4:1000~10000MHz



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



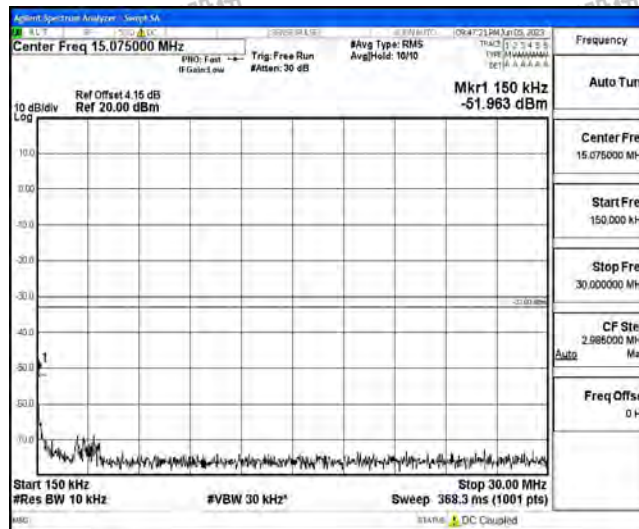
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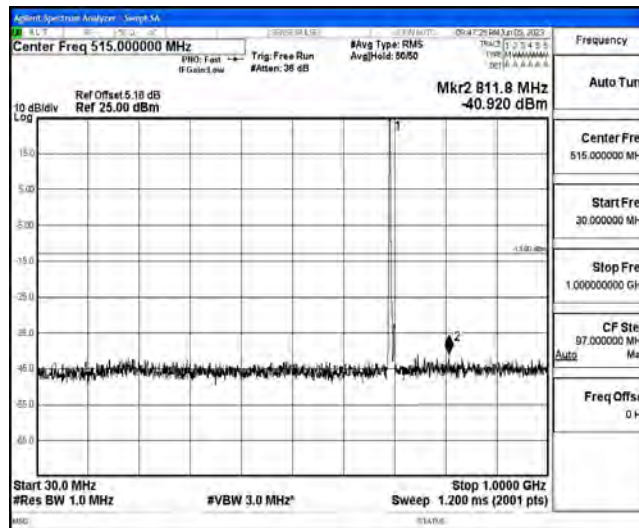
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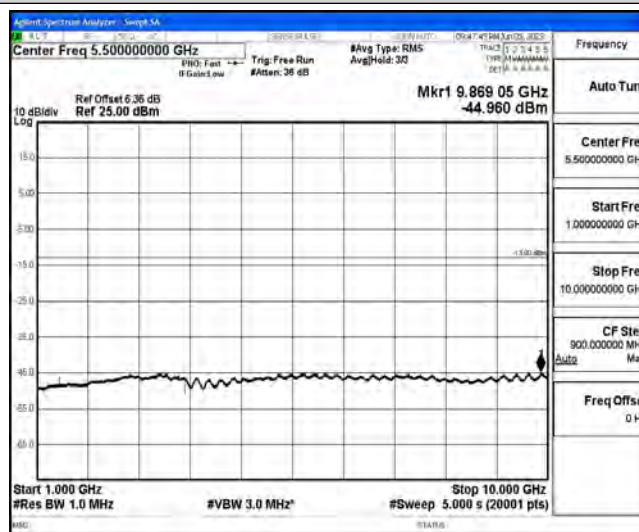
LC-23047EB



Band12-5MHz-16QAM-23035-1RB#0-Range3:30~1000MHz



Band12-5MHz-16QAM-23035-1RB#0-Range4:1000~10000MHz



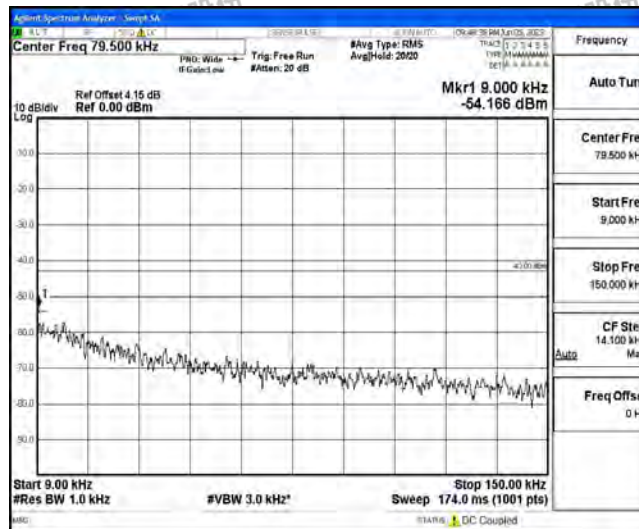
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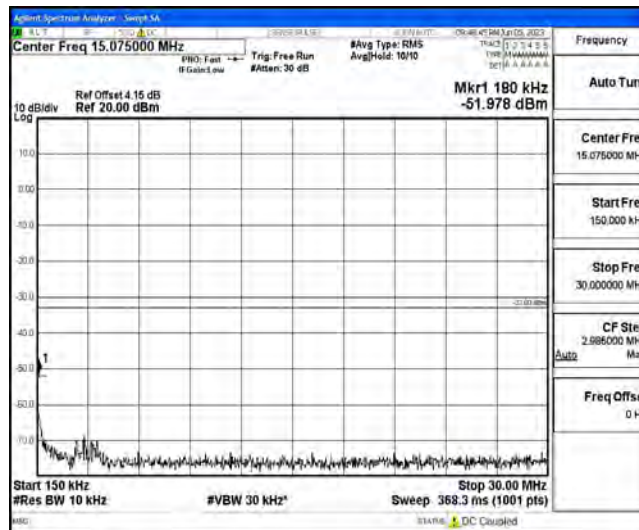
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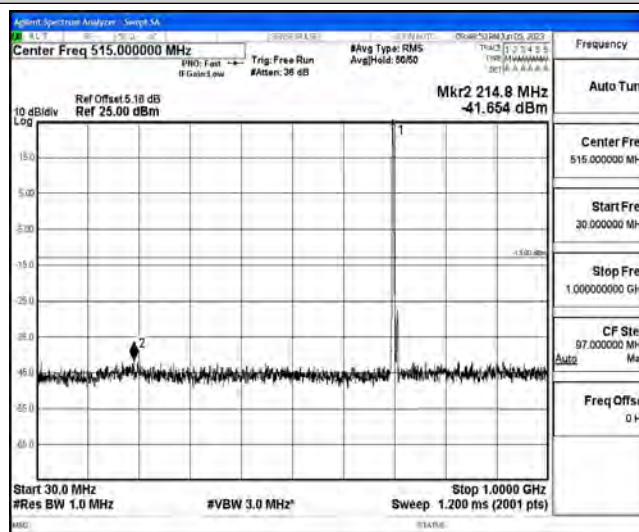
LC-23047EB



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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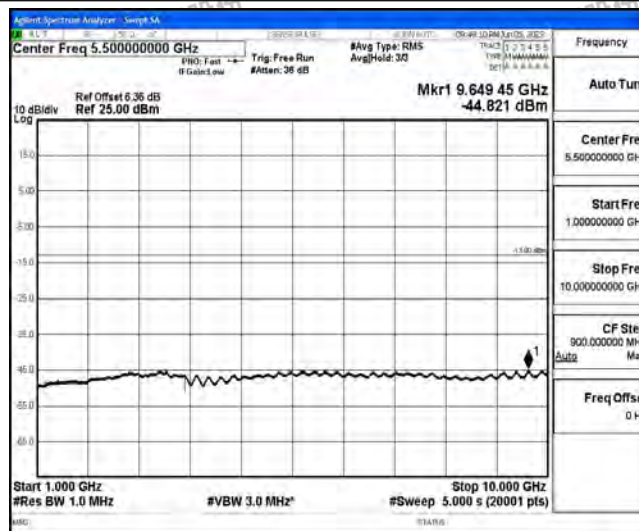
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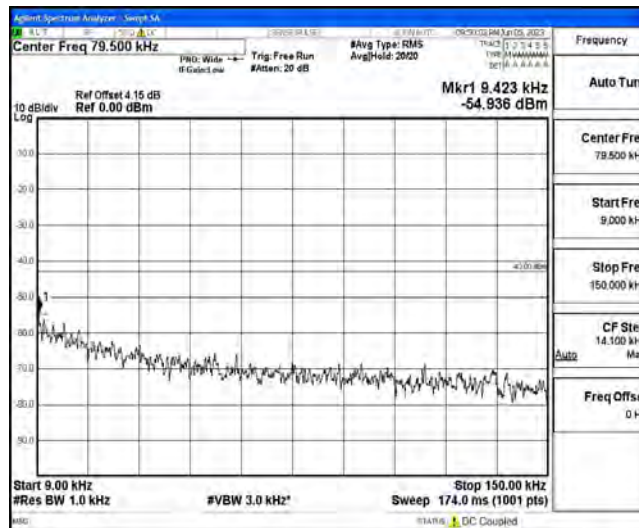
Scan code to check authenticity



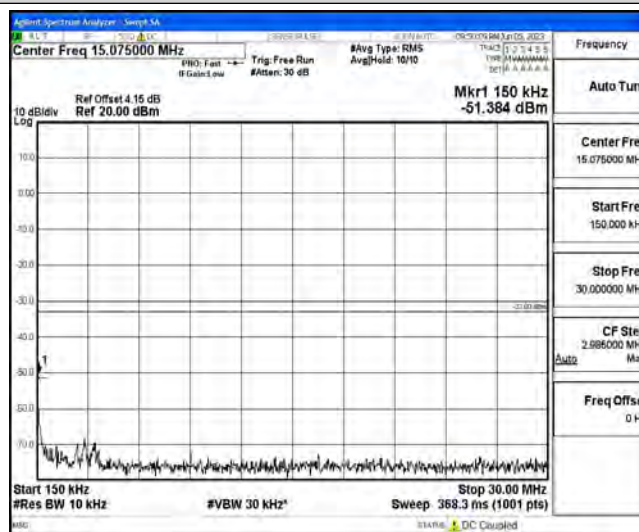
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Band12-5MHz-16QAM-23155-1RB#0-Range1:0.009~0.15MHz



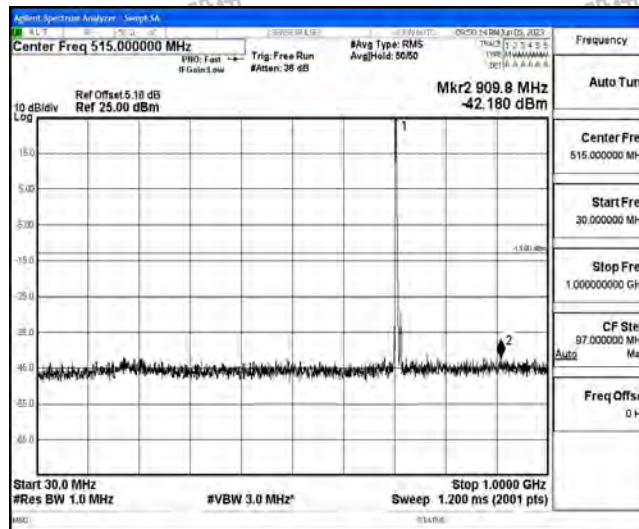
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Band12-5MHz-16QAM-23155-1RB#0-Range3:30~1000MHz



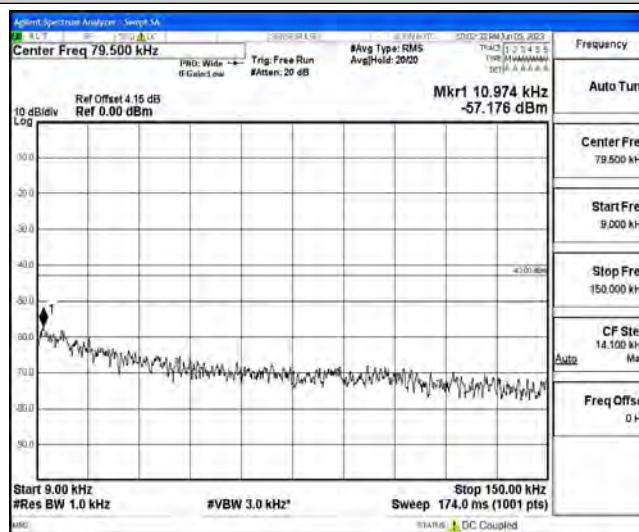
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Band12-5MHz-16QAM-23155-1RB#0-Range4:1000~10000MHz

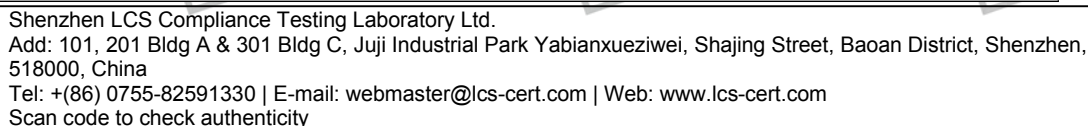
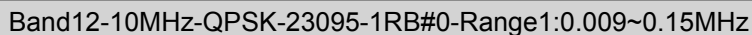
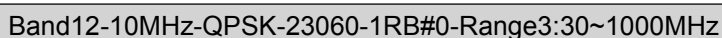


Band12-10MHz-QPSK-23060-1RB#0-Range1:0.009~0.15MHz



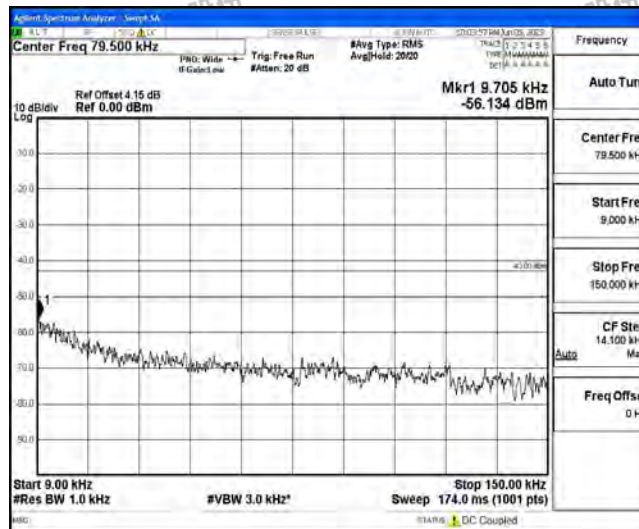
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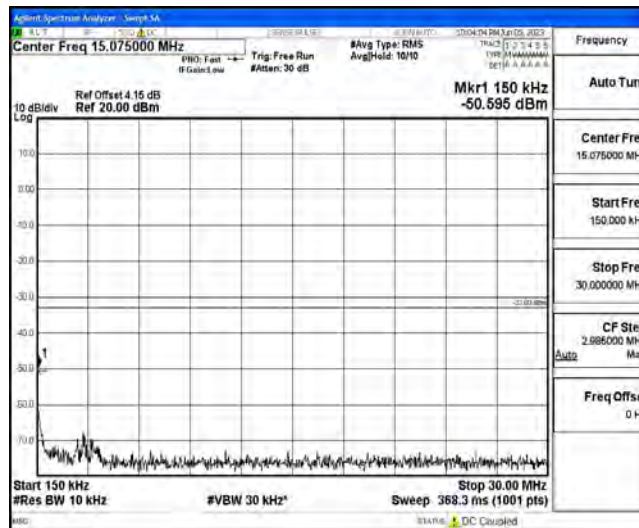




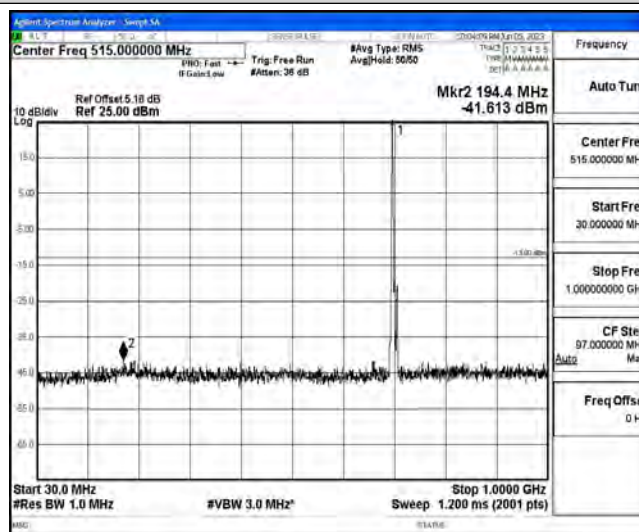
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Band12-10MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



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

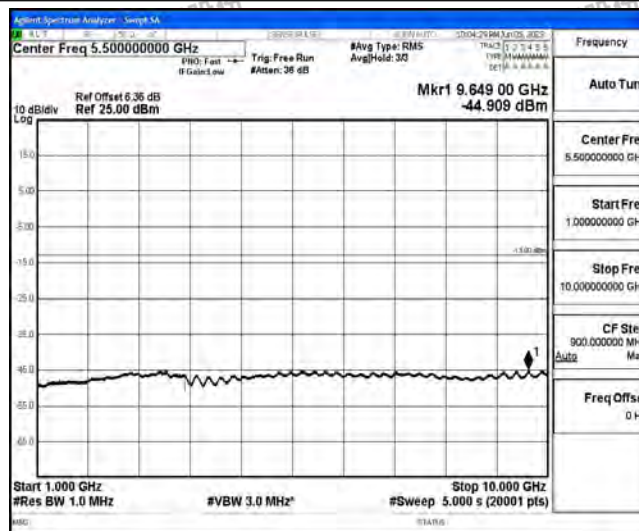


Band12-10MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz

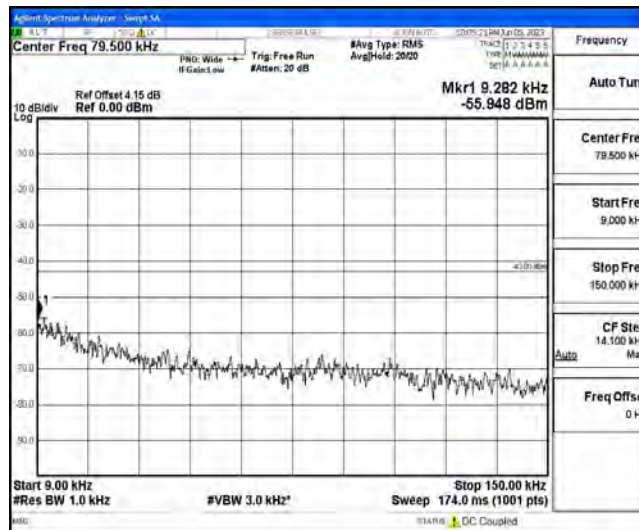




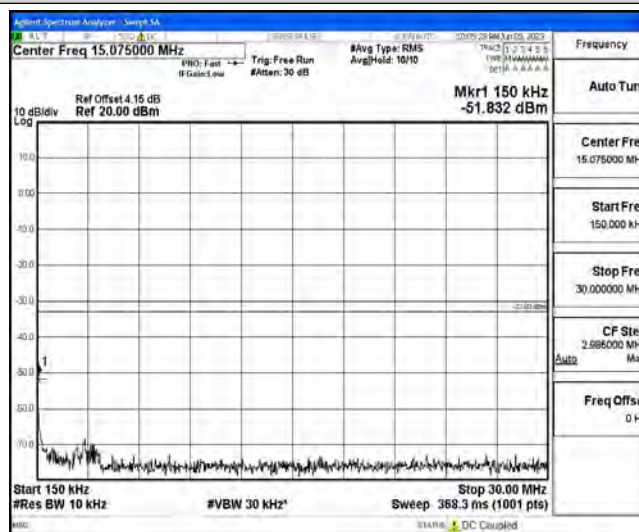
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Band12-10MHz-QPSK-23130-1RB#0-Range1:0.009~0.15MHz



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

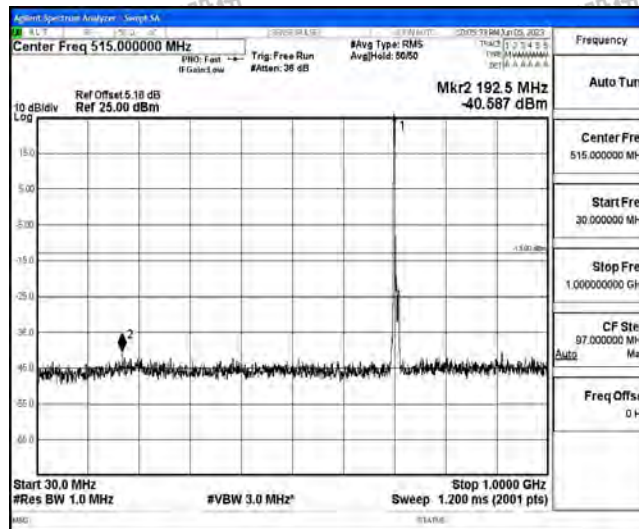


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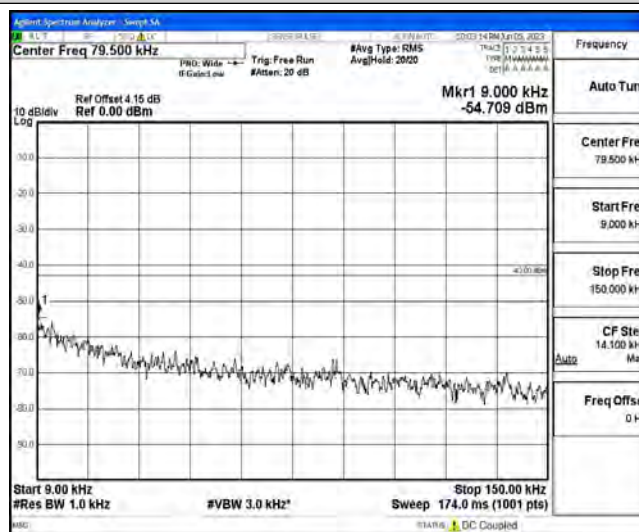
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Band12-10MHz-QPSK-23130-1RB#0-Range4:1000~10000MHz



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



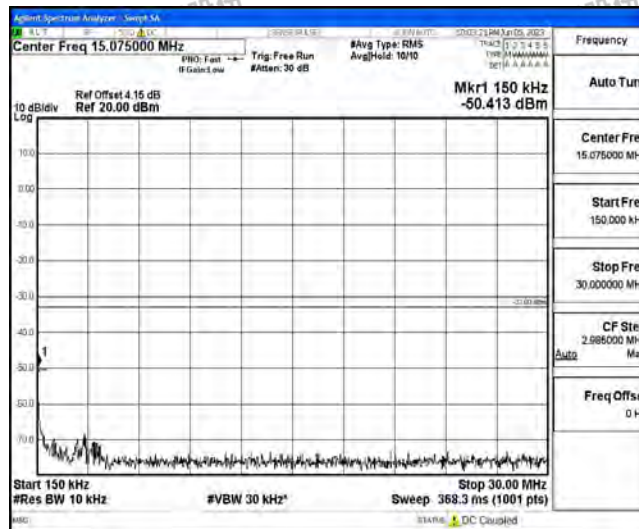
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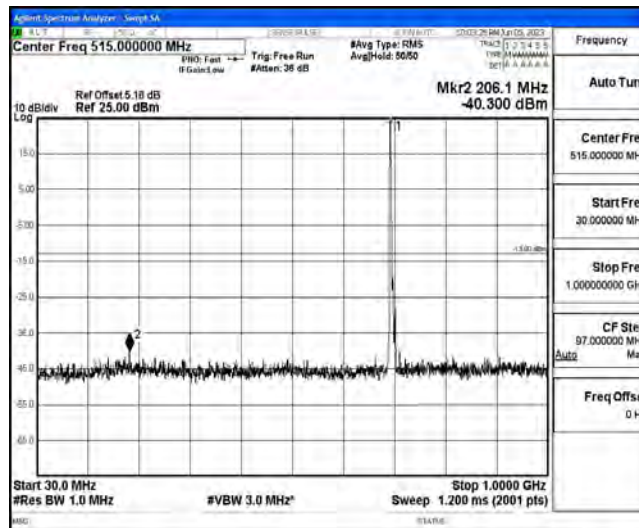
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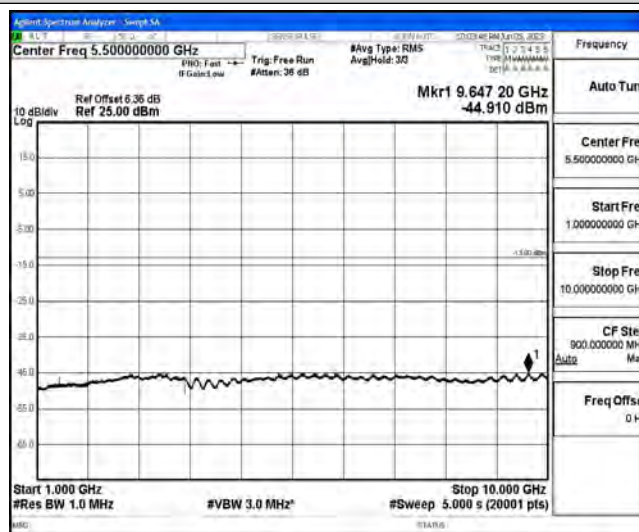
LC-23047EB



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



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

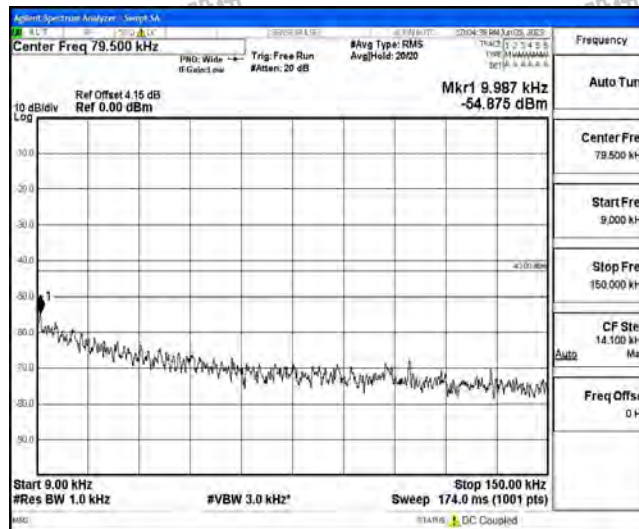


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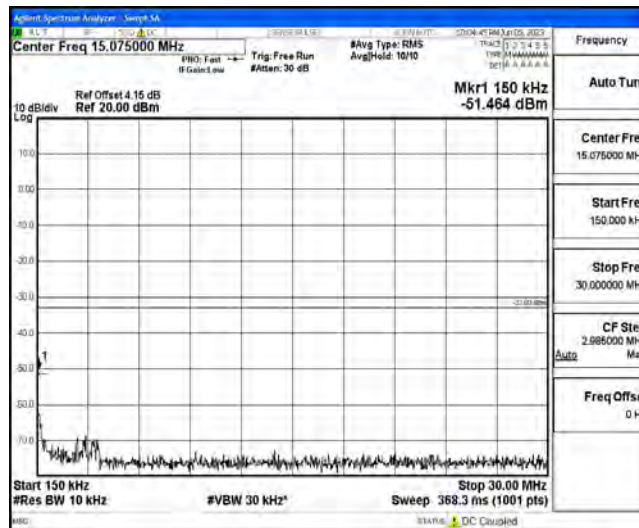




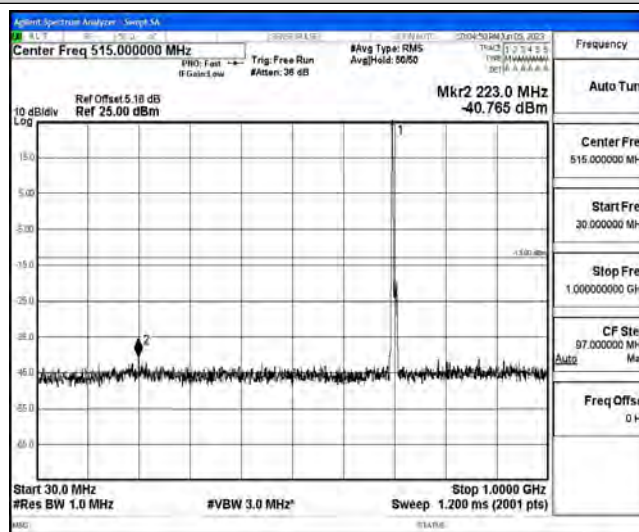
LC-23047EB



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



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



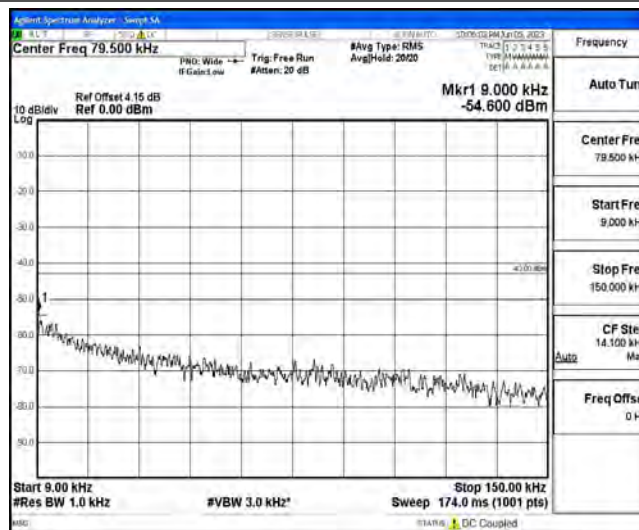
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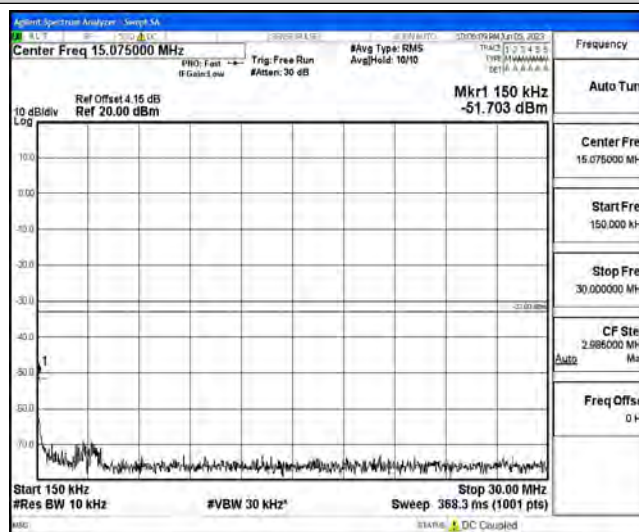
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Band12-10MHz-16QAM-23130-1RB#0-Range1:0.009~0.15MHz



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

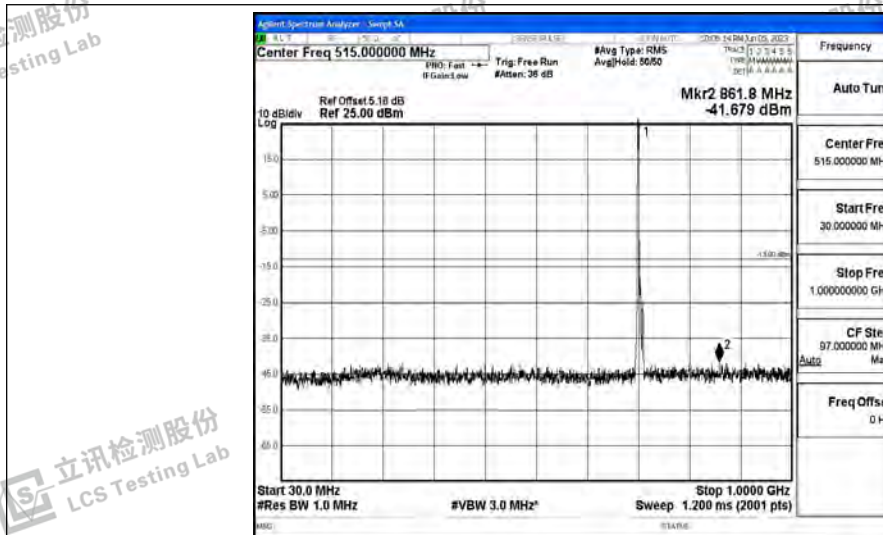


Band12-10MHz-16QAM-23130-1RB#0-Range3:30~1000MHz





LC61400023047EB



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

