



Appendix H: Test Data for E-UTRA Band 12

Product Name: Smart phone

Test Model: Smooth 6.0

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



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H.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.00	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	21.98	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.00	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.13	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	21.96	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.04	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.55	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.28	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.18	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.16	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.22	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.21	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.18	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.70	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.18	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.05	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.08	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.26	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.26	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.05	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.65	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.47	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.45	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.41	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.26	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.27	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.37	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.69	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.64	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.59	PASS



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Band12	1.4MHz	16QAM	23095	1RB#5	21.50	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.41	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.33	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.30	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.55	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.52	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.55	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.47	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.47	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.31	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.97	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.21	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.23	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.31	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.60	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.63	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.49	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.92	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.26	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.21	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.18	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.70	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.71	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.65	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.62	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.25	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.27	PASS
Band12	3MHz	QPSK	23165	1RB#14	21.98	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.79	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.67	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.73	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.76	PASS
Band12	3MHz	16QAM	23025	1RB#0	20.99	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.01	PASS



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Band12	3MHz	16QAM	23025	1RB#14	21.37	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.85	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.85	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.87	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.57	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.26	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.21	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.12	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.80	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.87	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.90	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.92	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.75	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.40	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.33	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.70	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.71	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.30	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.49	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.10	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.03	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.09	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.51	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.47	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.56	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.60	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.47	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.22	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.30	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.78	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.74	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.67	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.67	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.67	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.14	PASS



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Band12	5MHz	QPSK	23155	1RB#24	22.01	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.06	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.93	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.47	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.54	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.12	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.11	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.09	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.36	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.57	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.59	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.53	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.42	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.21	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.53	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.74	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.86	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.92	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.98	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.29	PASS
Band12	5MHz	16QAM	23155	1RB#12	20.84	PASS
Band12	5MHz	16QAM	23155	1RB#24	20.74	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.05	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.04	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.34	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.50	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.07	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.13	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.12	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.65	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.74	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.69	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.50	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.23	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.26	PASS



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Band12	10MHz	QPSK	23095	1RB#49	22.64	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.76	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.75	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.75	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.72	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.18	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.07	PASS
Band12	10MHz	QPSK	23130	1RB#49	21.97	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.64	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.67	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.60	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.79	PASS
Band12	10MHz	16QAM	23060	1RB#0	20.94	PASS
Band12	10MHz	16QAM	23060	1RB#24	20.94	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.00	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.84	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.84	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.84	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.63	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.56	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.48	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.89	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.82	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.89	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.93	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.91	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.16	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.29	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.27	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.83	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.87	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.51	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.78	PASS



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

Test Result

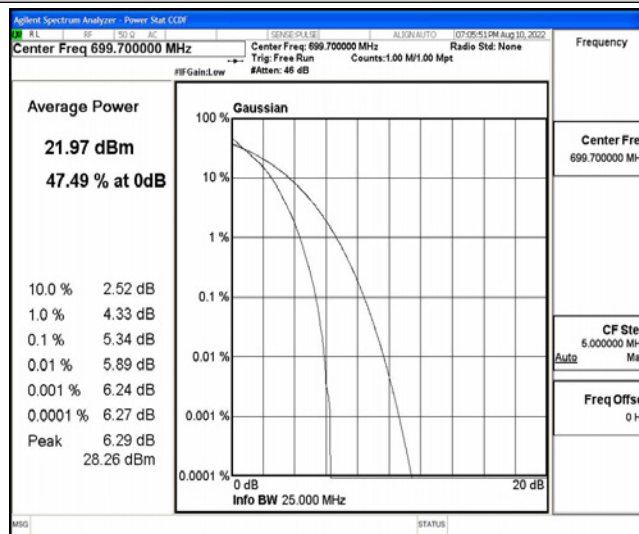
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	5.34	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.53	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.40	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.02	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.37	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.15	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.46	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.55	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.40	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.23	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.27	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.32	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.62	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.51	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.59	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.26	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.17	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.27	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.83	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.52	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.49	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.44	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.29	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.27	13	PASS



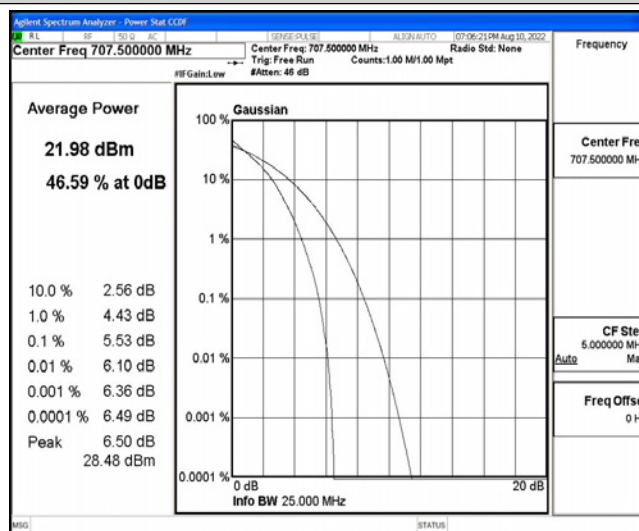


Test Graphs

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

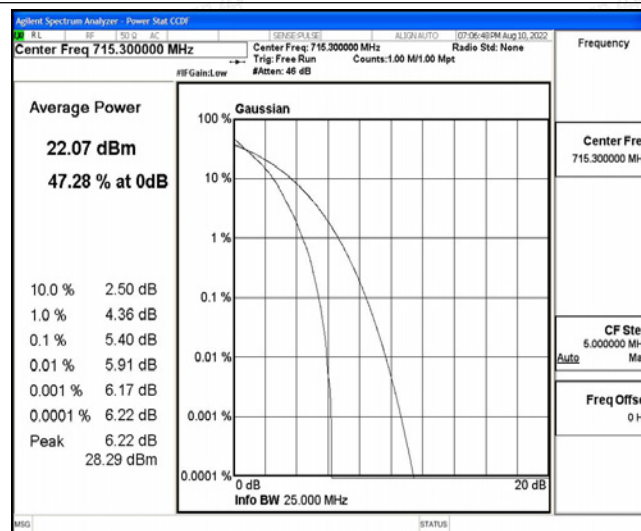


Band12-1.4MHz-QPSK-23095-6RB#0

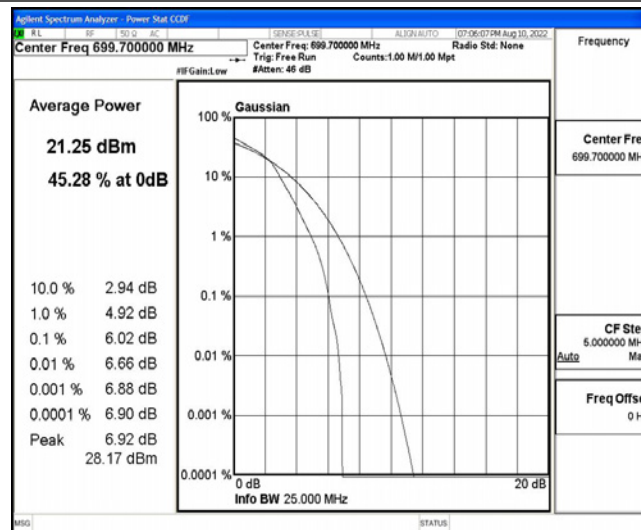


Band12-1.4MHz-QPSK-23173-6RB#0

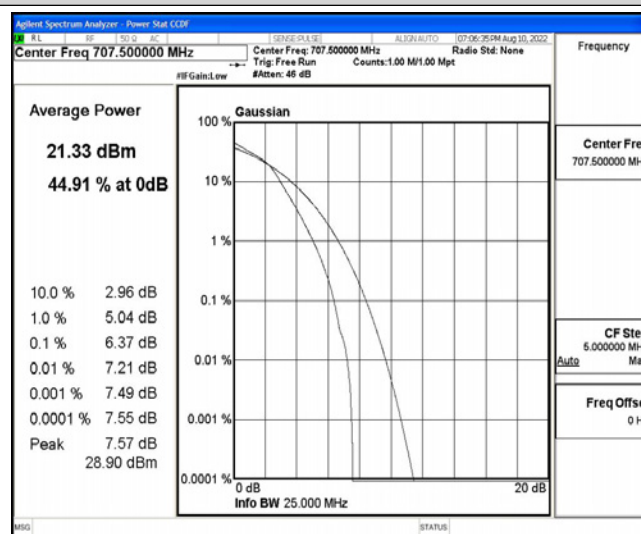




Band12-1.4MHz-16QAM-23017-6RB#0

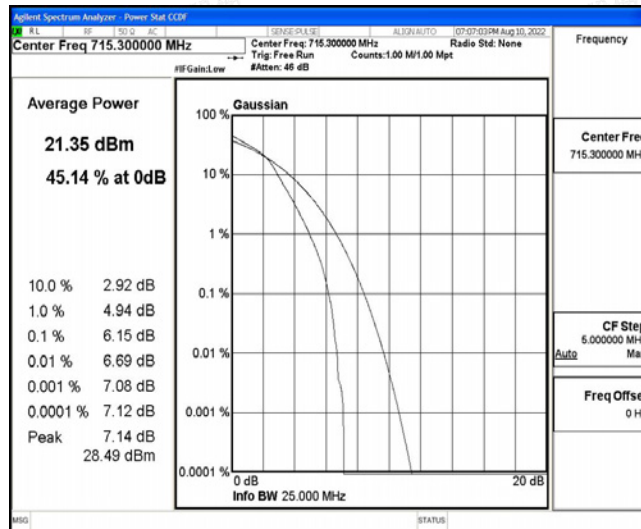


Band12-1.4MHz-16QAM-23095-6RB#0

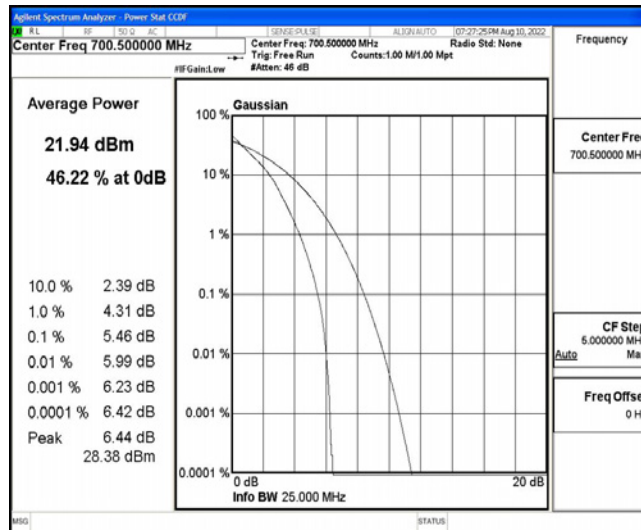


Band12-1.4MHz-16QAM-23173-6RB#0

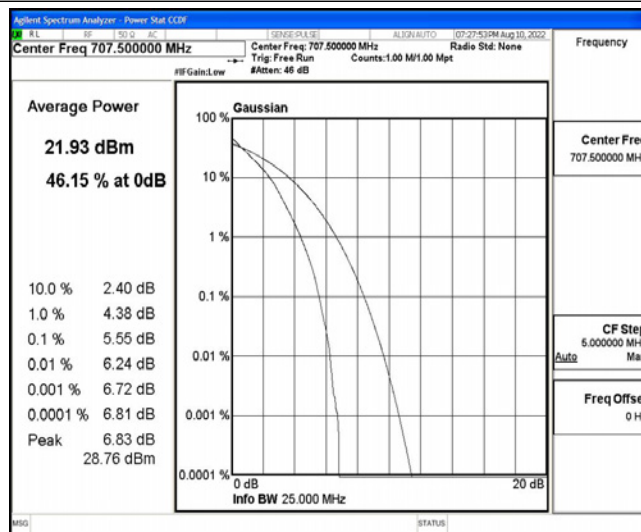




Band12-3MHz-QPSK-23025-15RB#0



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

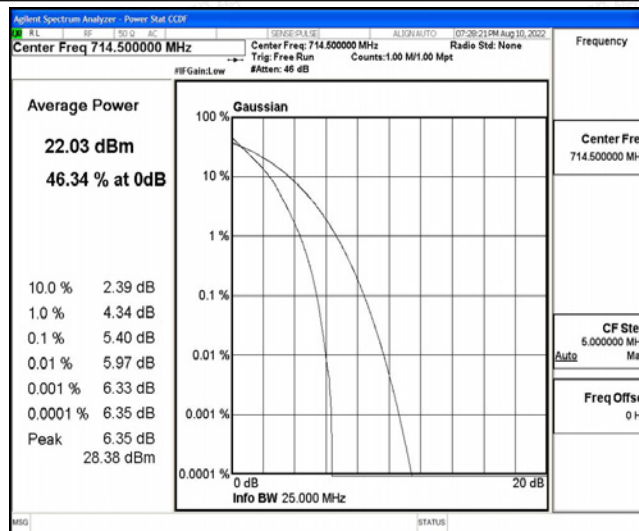


Band12-3MHz-QPSK-23165-15RB#0

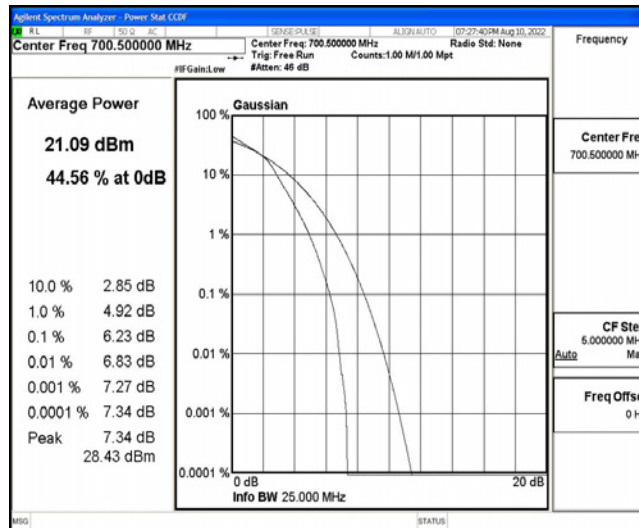




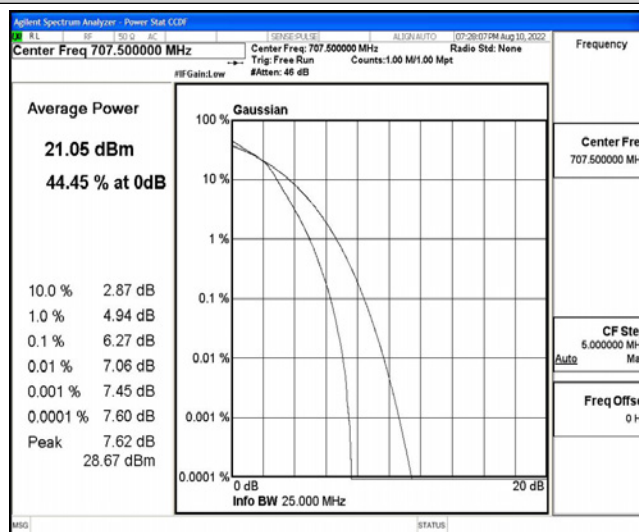
TVS-A080122104EG



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

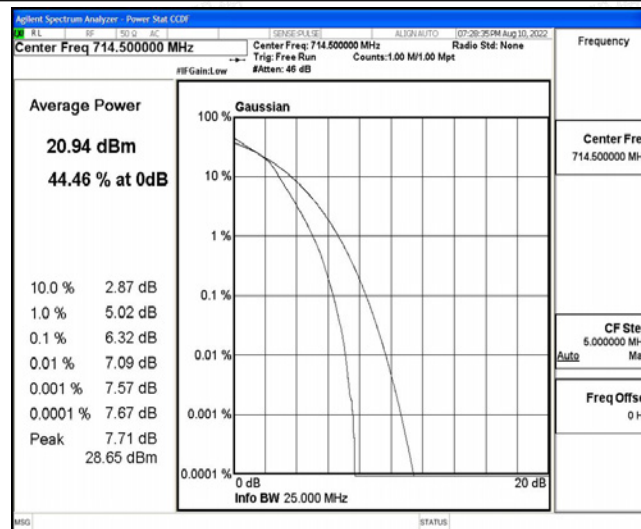


Band12-3MHz-16QAM-23095-15RB#0

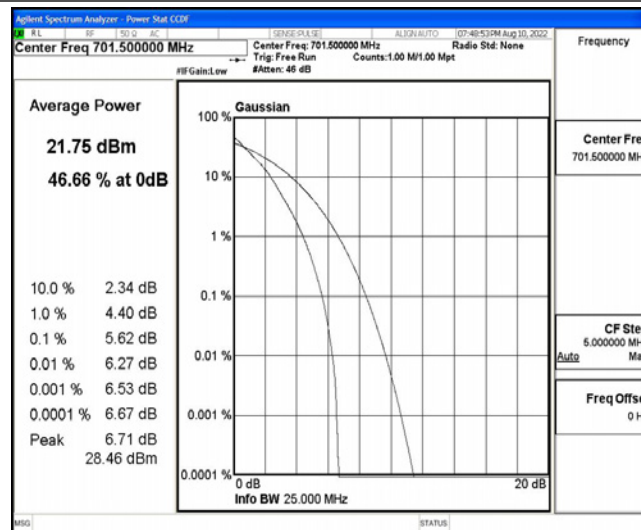


Band12-3MHz-16QAM-23165-15RB#0

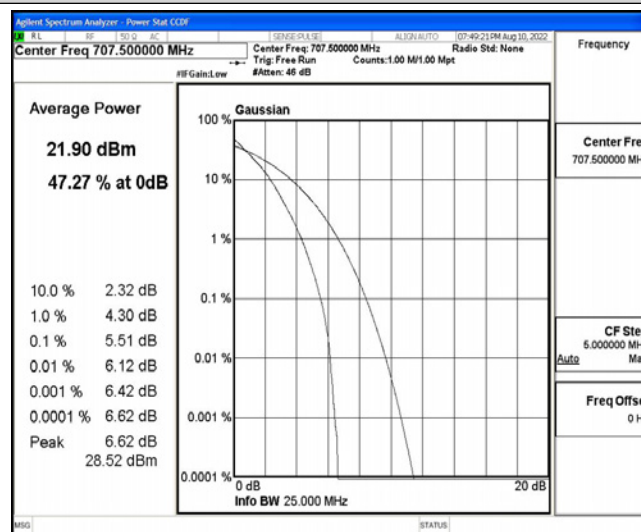




Band12-5MHz-QPSK-23035-25RB#0



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

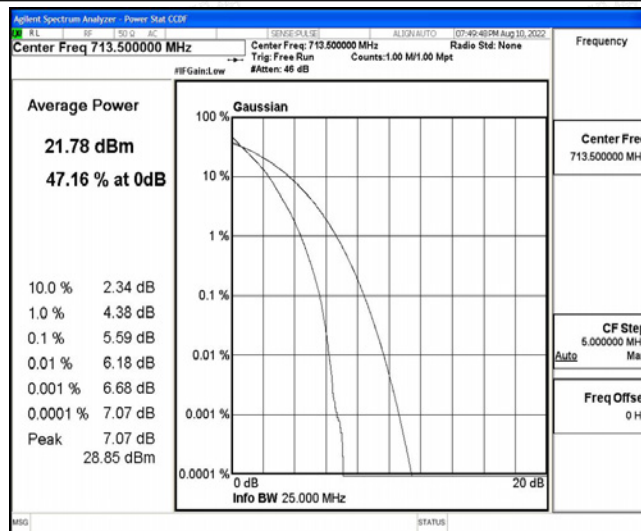


Band12-5MHz-QPSK-23155-25RB#0

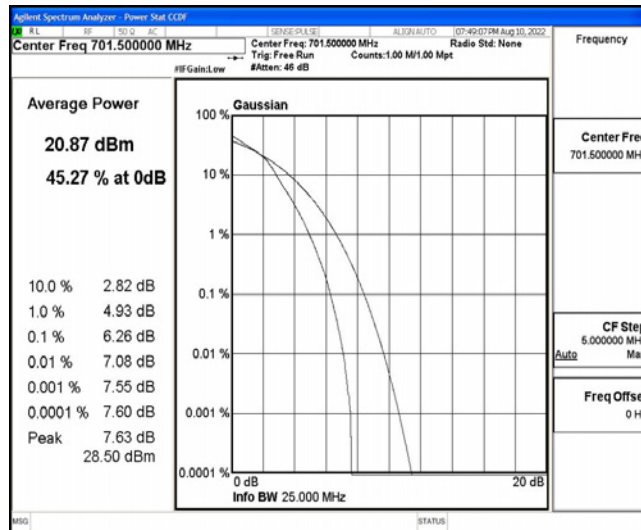




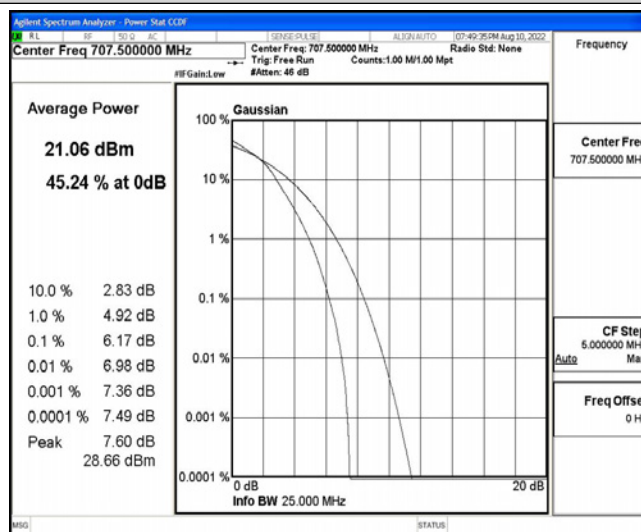
TSSA080122104EG



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



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

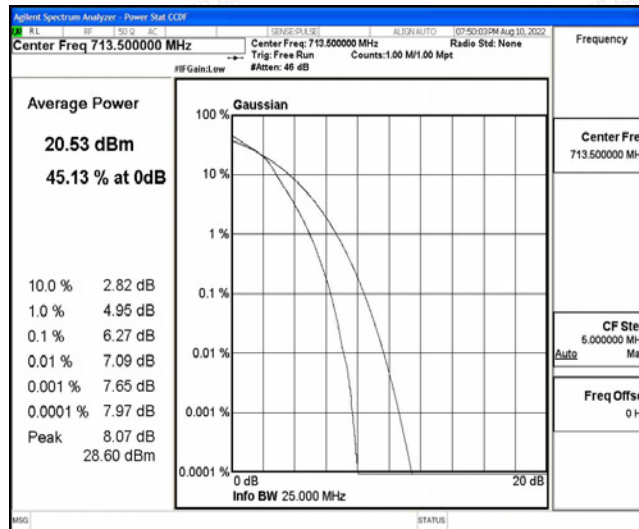


Band12-5MHz-16QAM-23155-25RB#0

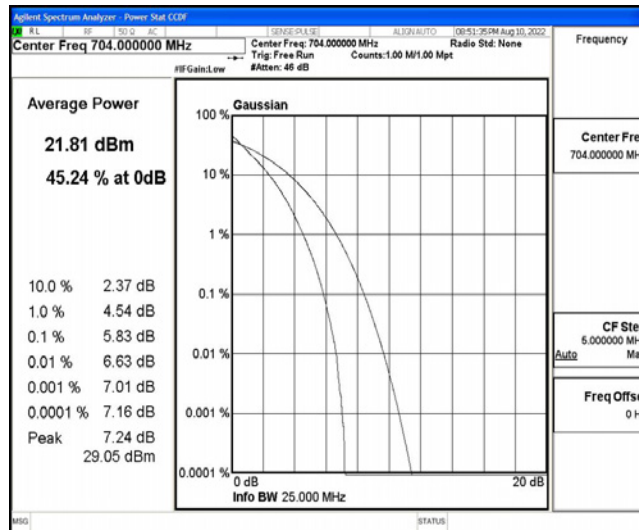




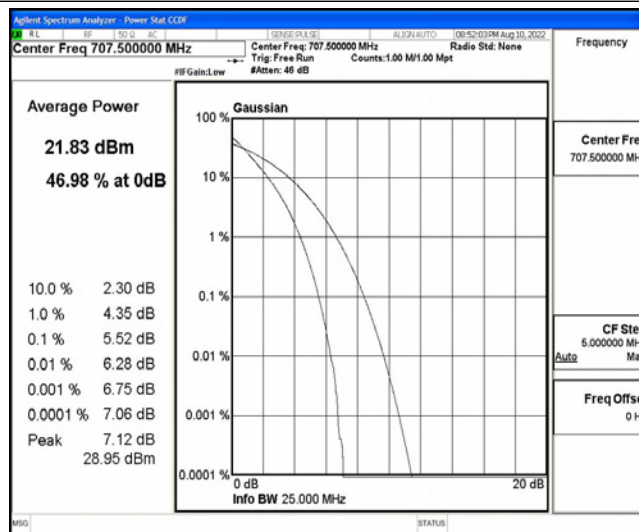
LCSA080122104EG



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



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

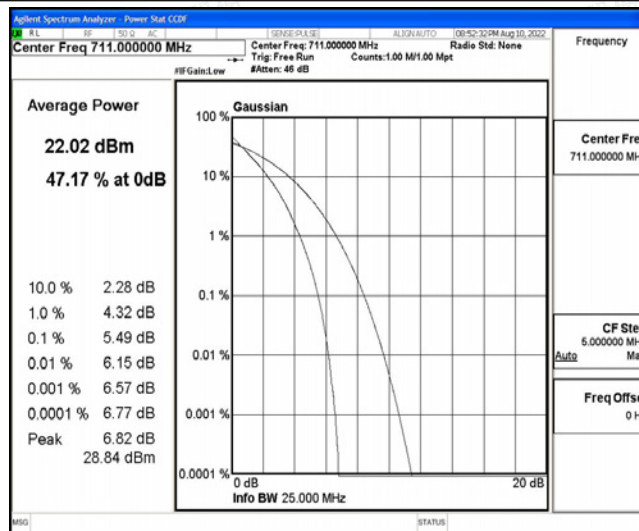


Band12-10MHz-QPSK-23130-50RB#0

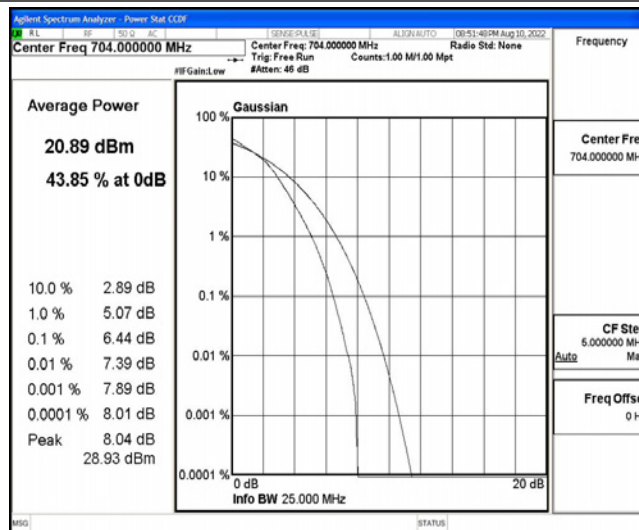




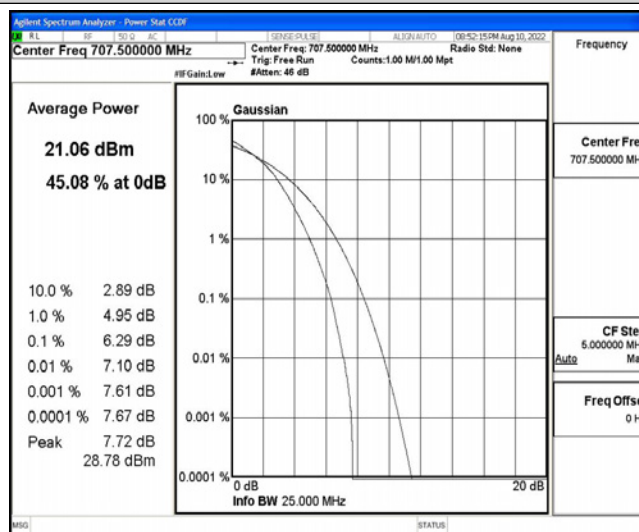
VSA080122104EG



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



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

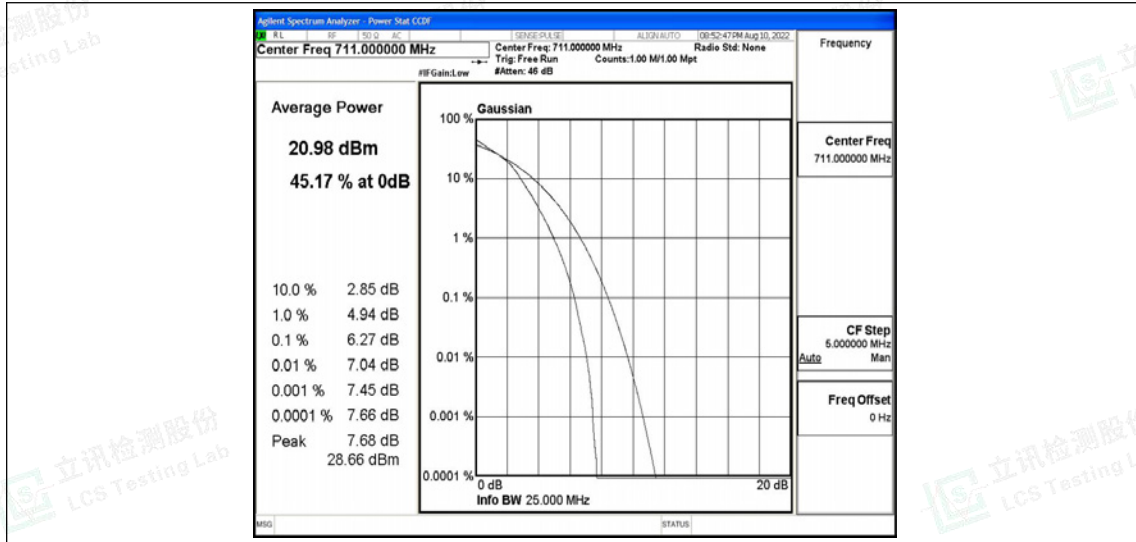


Band12-10MHz-16QAM-23130-50RB#0





LCSA080122104EG





H.3 26dB Bandwidth and Occupied Bandwidth

Test Result

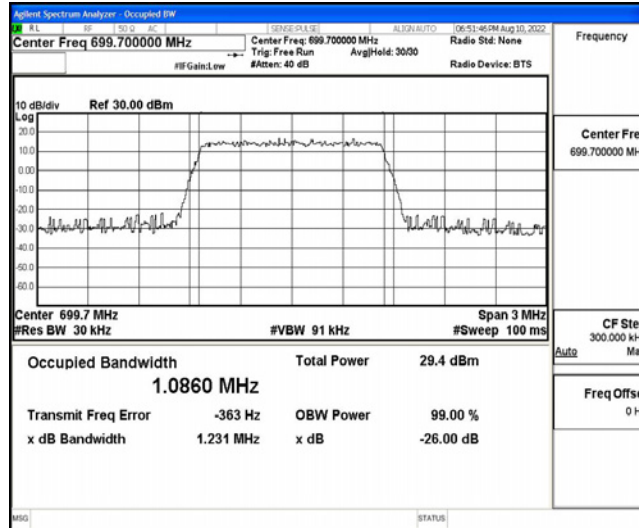
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0860	1.231	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0959	1.242	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0999	1.244	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1049	1.240	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0950	1.241	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0903	1.249	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7123	3.040	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6991	3.031	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7035	3.022	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7049	3.019	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7025	2.996	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7067	3.024	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5102	4.980	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4873	4.939	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5165	5.008	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4996	4.956	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5019	4.986	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5176	4.998	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9968	9.906	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9796	9.844	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9655	9.868	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9901	9.874	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9902	9.866	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9785	9.871	PASS



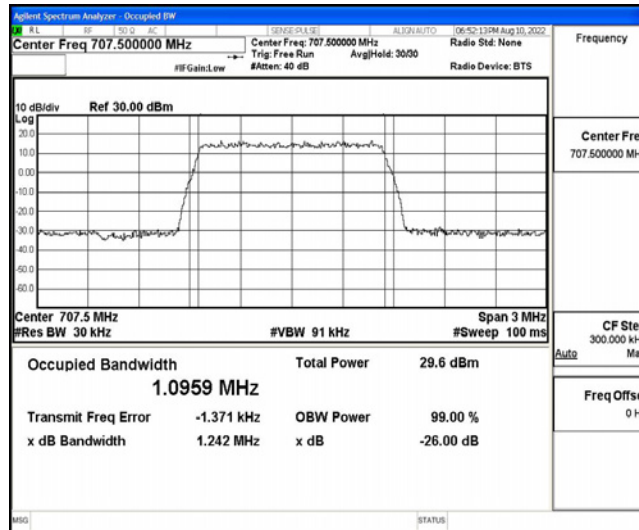


Test Graphs

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

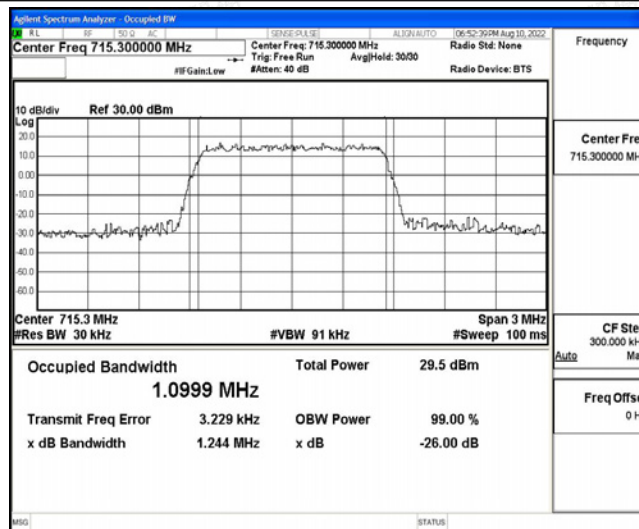


Band12-1.4MHz-QPSK-23095-6RB#0

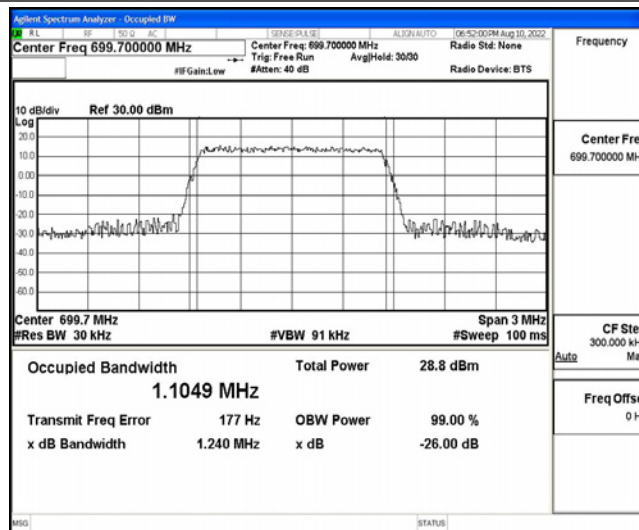


Band12-1.4MHz-QPSK-23173-6RB#0

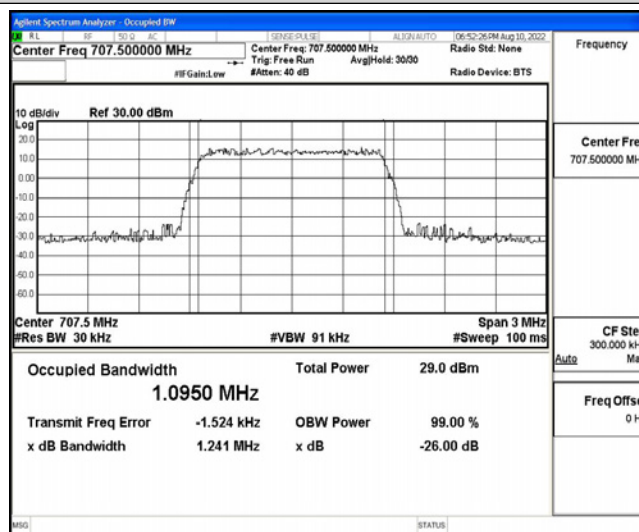




Band12-1.4MHz-16QAM-23017-6RB#0



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



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



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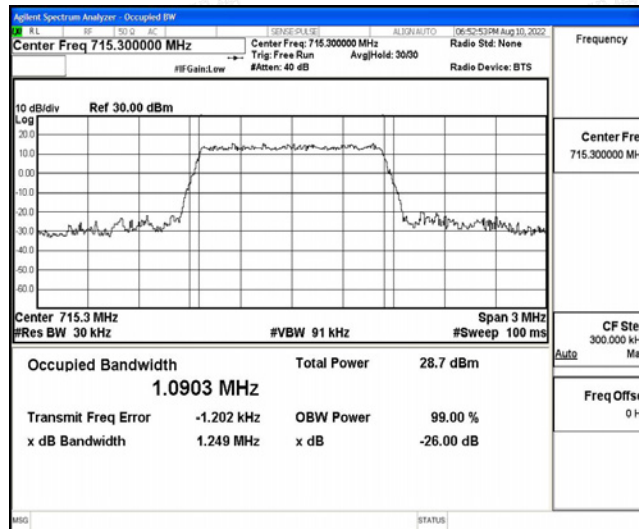
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

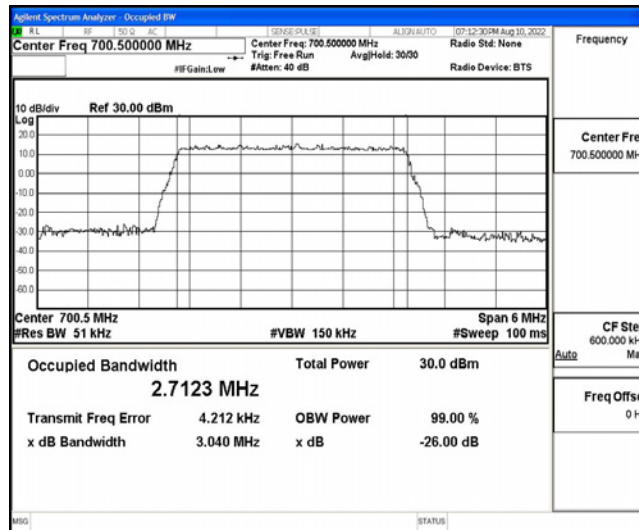
Scan code to check authenticity



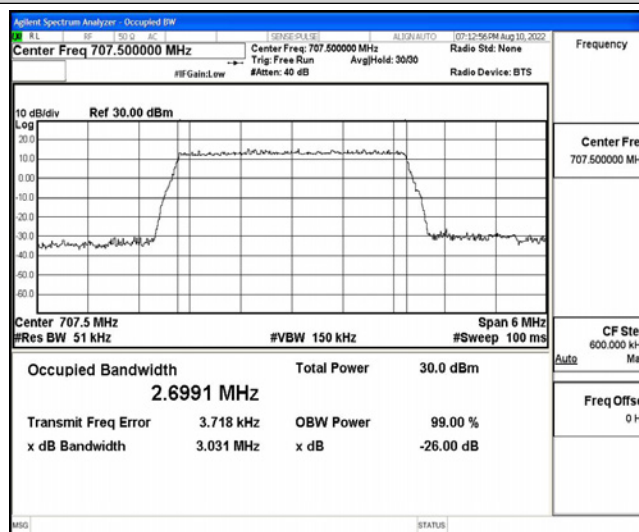
LCSA080122104EG



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



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



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



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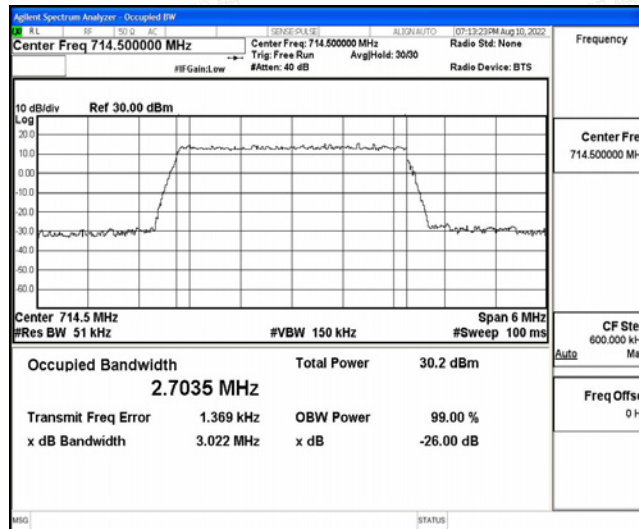
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

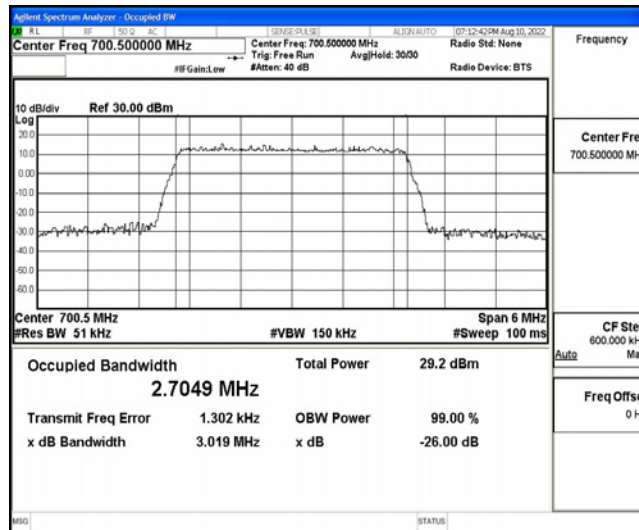
Scan code to check authenticity



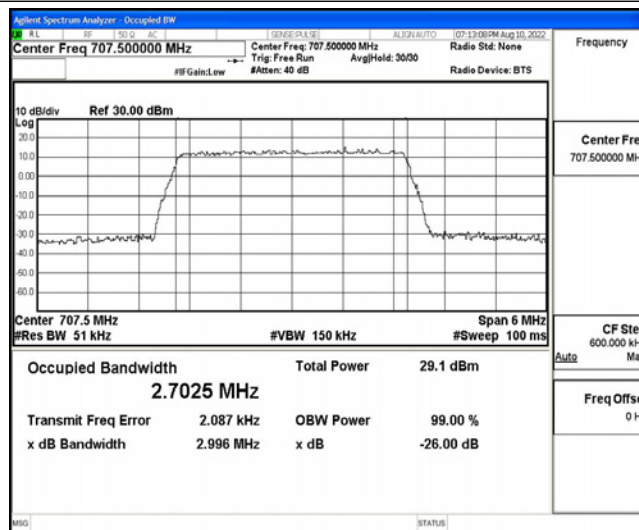
LCSA080122104EG



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



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



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

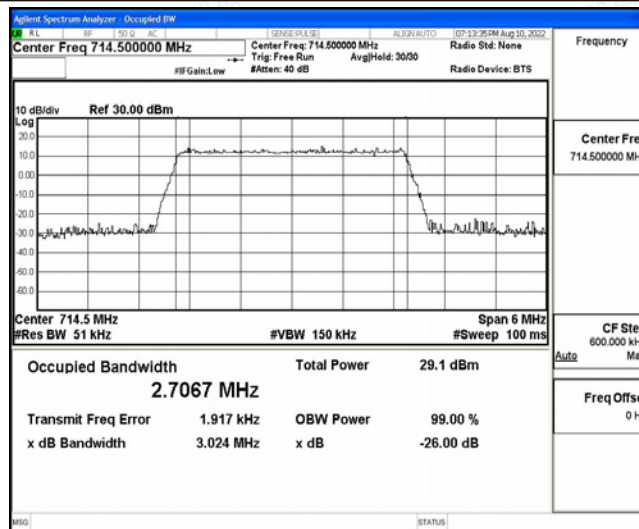
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

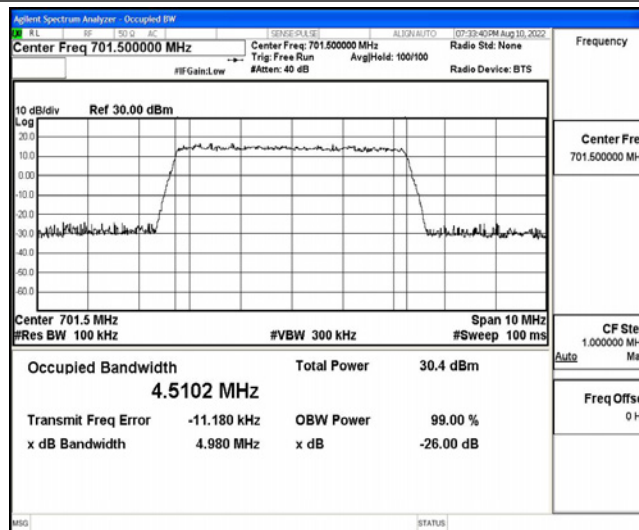
Scan code to check authenticity



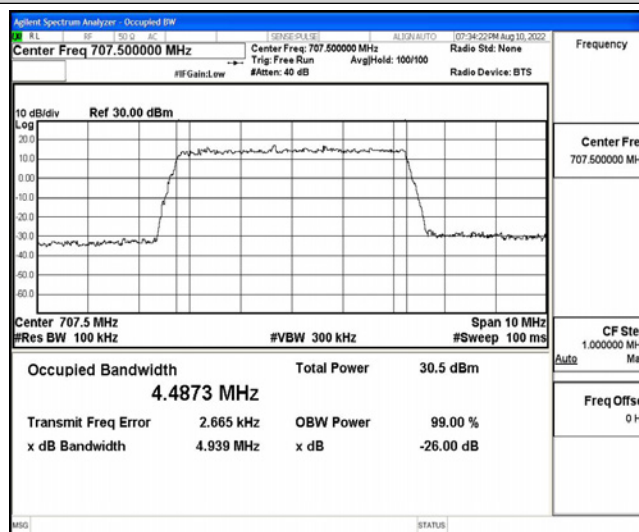
LCSA080122104EG



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



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



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

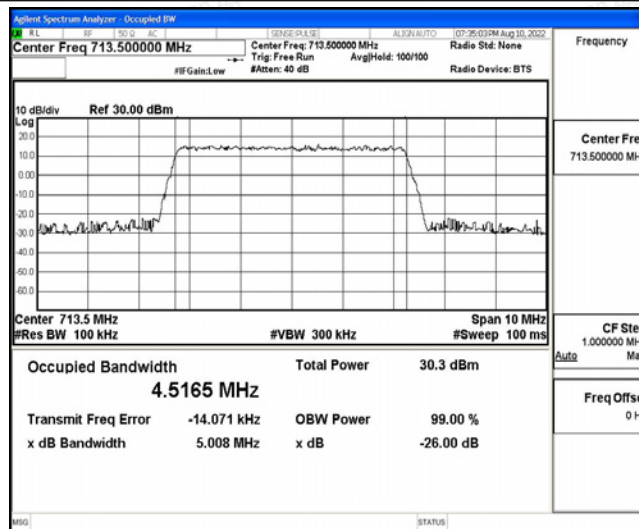


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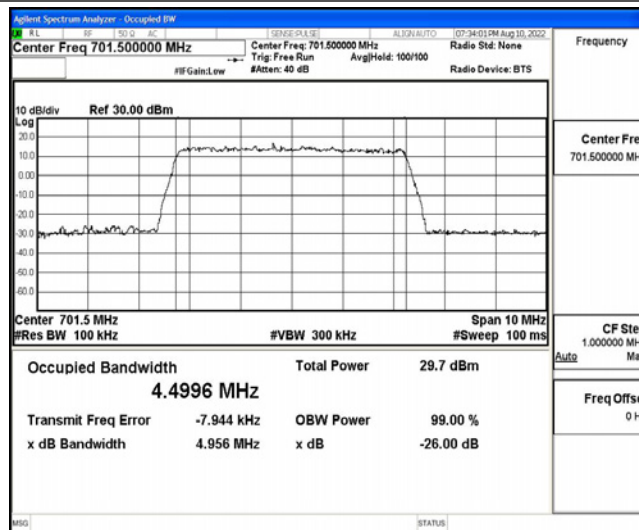
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

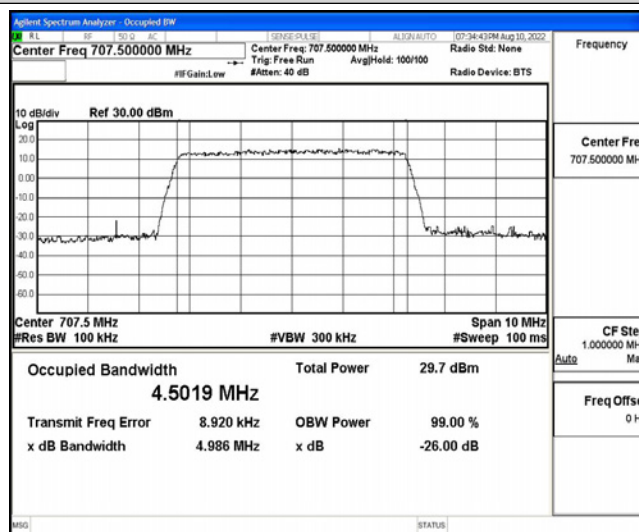
Scan code to check authenticity



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



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



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

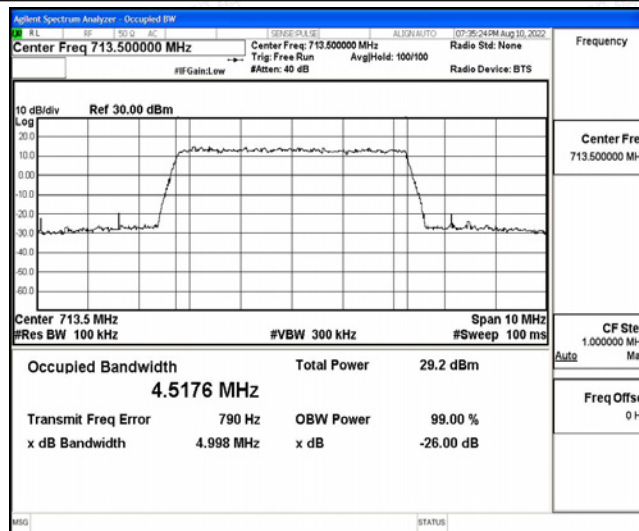
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

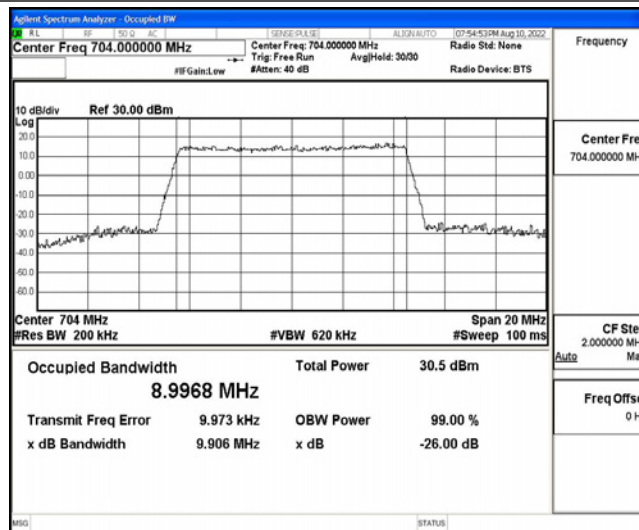
Scan code to check authenticity



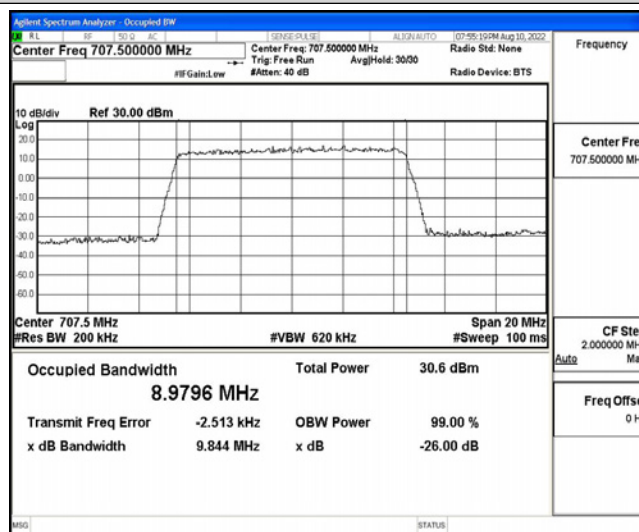
LCSA080122104EG



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



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



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

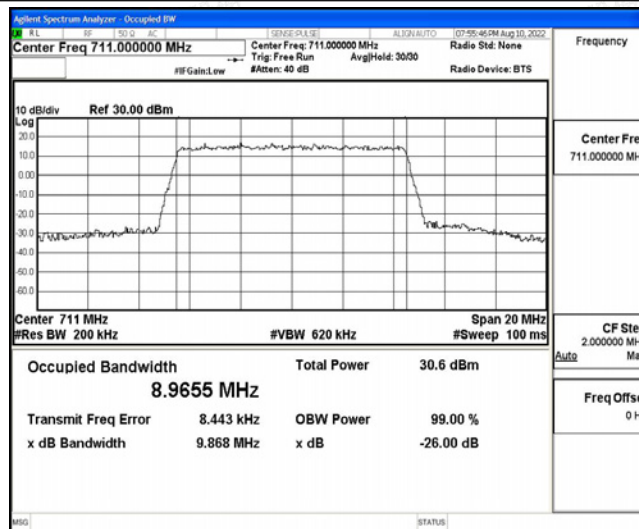
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

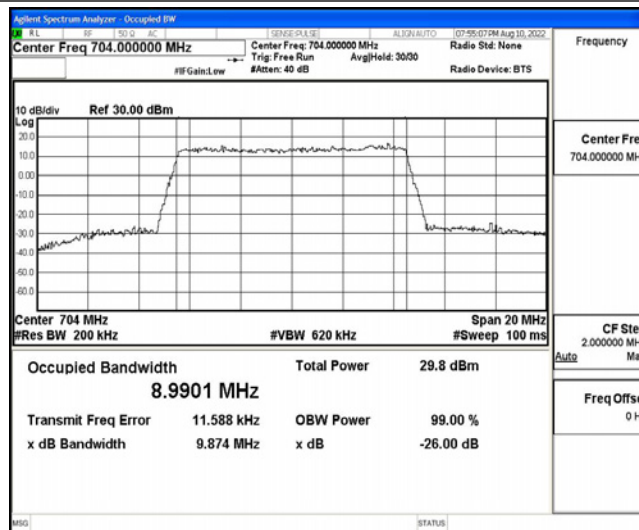
Scan code to check authenticity



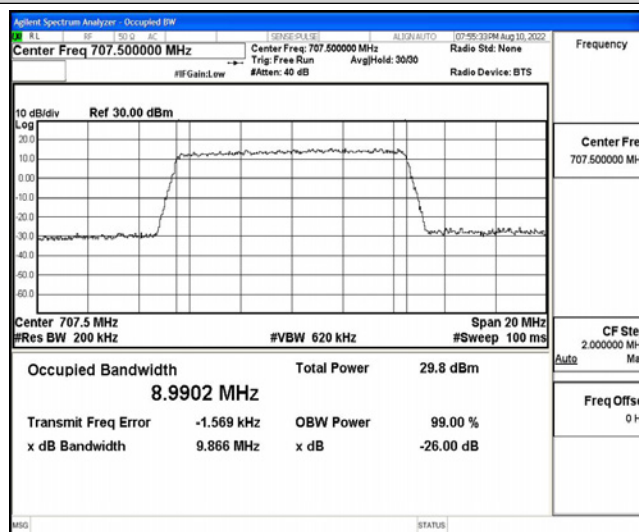
LCSA080122104EG



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



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



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



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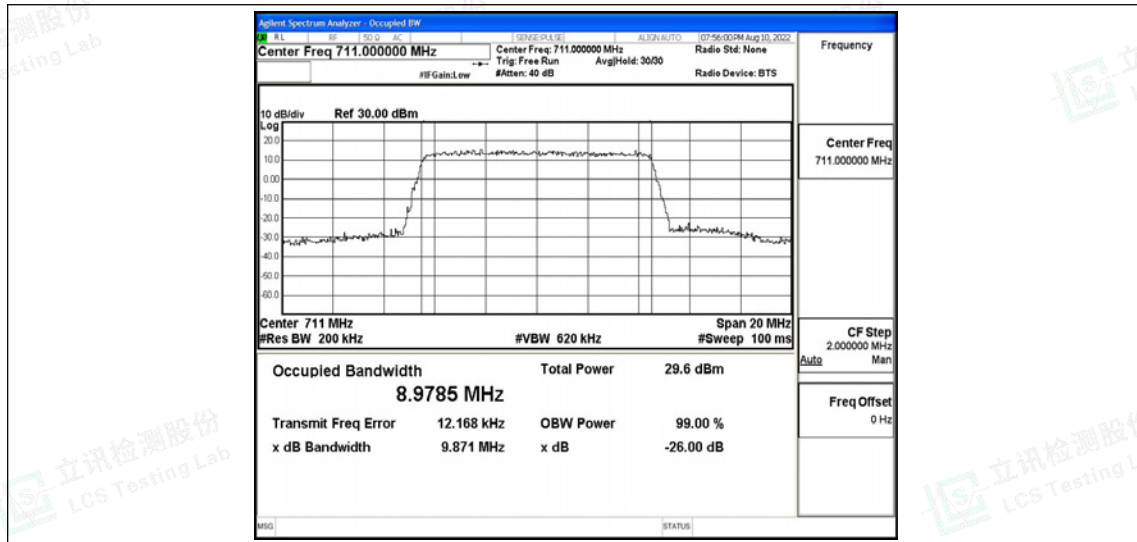
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

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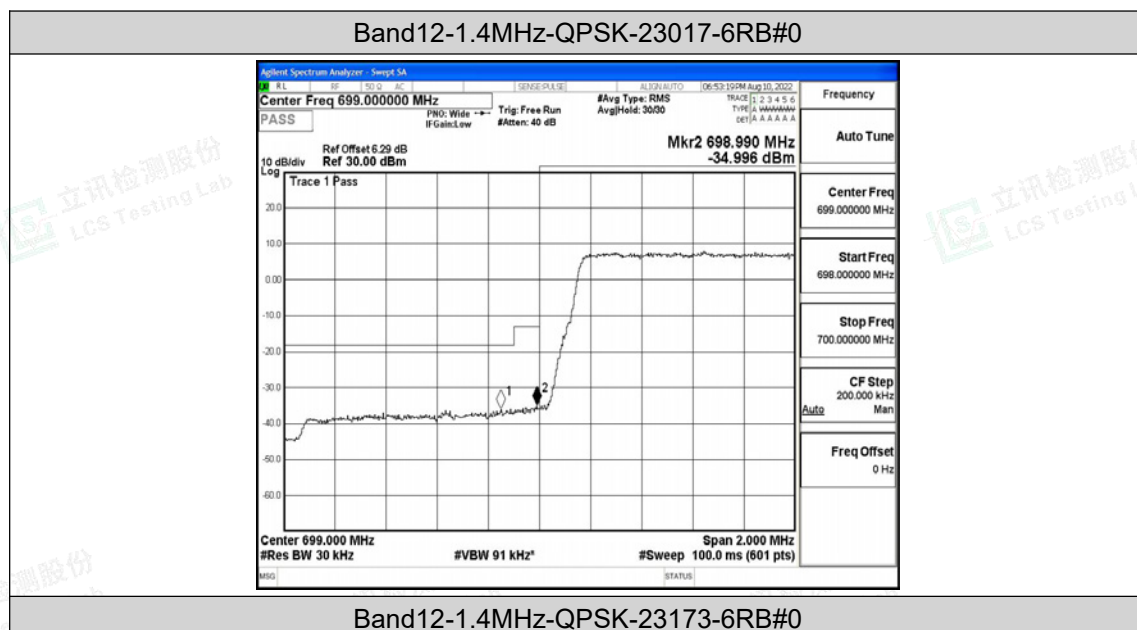


H.4 Band Edge

Test Result

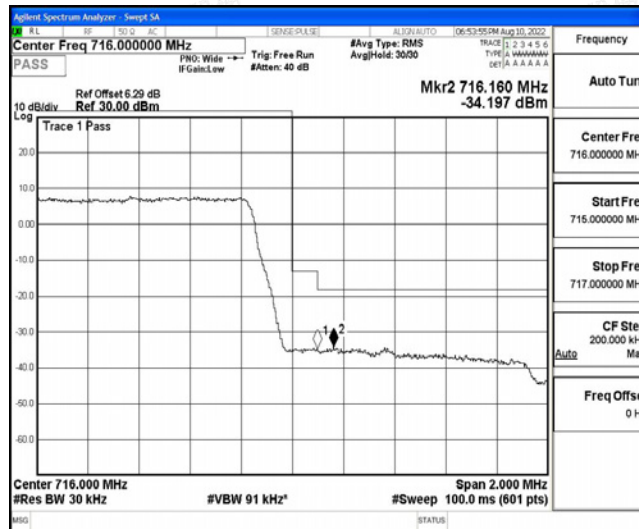
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-35.95,-35.00	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-34.54,-34.20	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-36.67,-36.09	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-33.21,-33.35	PASS
Band12	3MHz	QPSK	23025	15RB#0	-36.28,-21.83	PASS
Band12	3MHz	QPSK	23165	15RB#0	-22.66,-36.37	PASS
Band12	3MHz	16QAM	23025	15RB#0	-36.99,-24.17	PASS
Band12	3MHz	16QAM	23165	15RB#0	-23.65,-35.95	PASS
Band12	5MHz	QPSK	23035	25RB#0	-27.23	PASS
Band12	5MHz	QPSK	23155	25RB#0	-27.58	PASS
Band12	5MHz	16QAM	23035	25RB#0	-28.49	PASS
Band12	5MHz	16QAM	23155	25RB#0	-28.73	PASS
Band12	10MHz	QPSK	23060	50RB#0	-34.92,-31.35	PASS
Band12	10MHz	QPSK	23130	50RB#0	-30.15,-33.32	PASS
Band12	10MHz	16QAM	23060	50RB#0	-34.97,-31.67	PASS
Band12	10MHz	16QAM	23130	50RB#0	-31.06,-33.37	PASS

Test Graphs

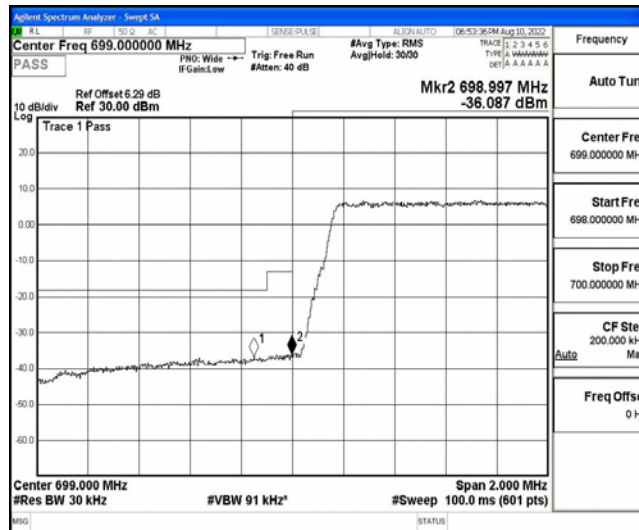




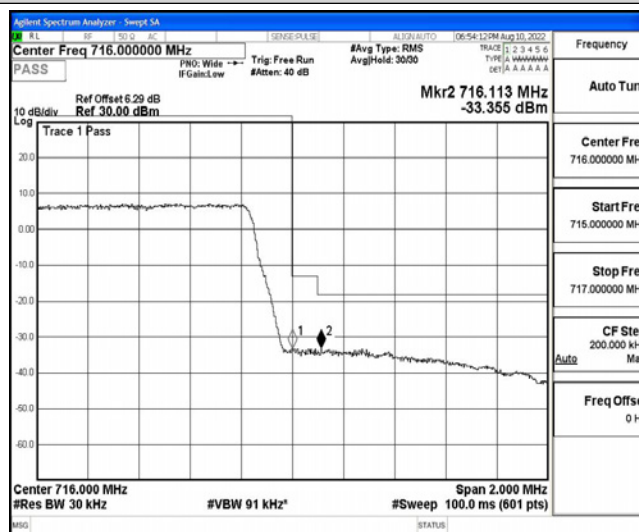
TVS-080122104EG



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



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

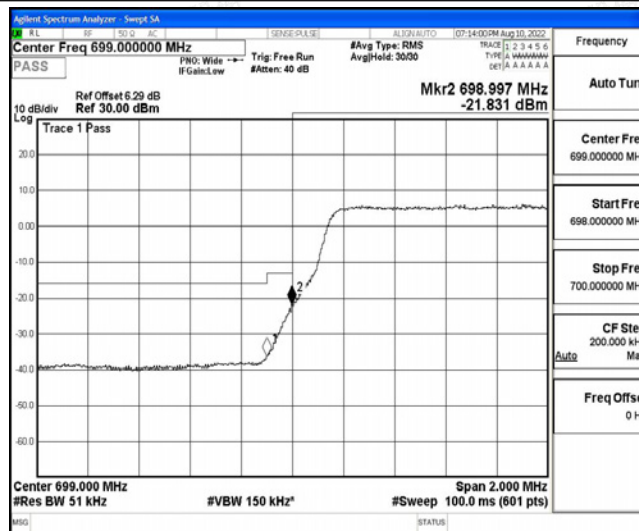


Band12-3MHz-QPSK-23025-15RB#0

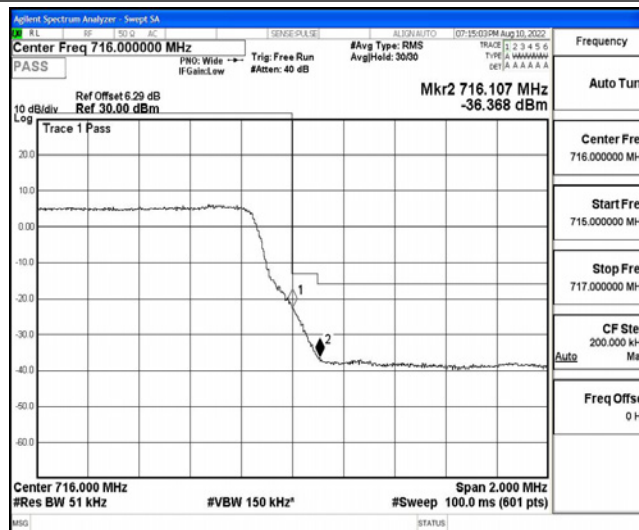




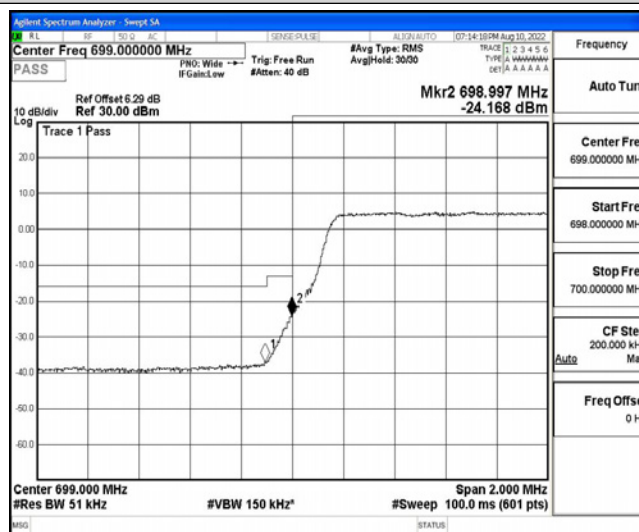
TVS-080122104EG



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



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

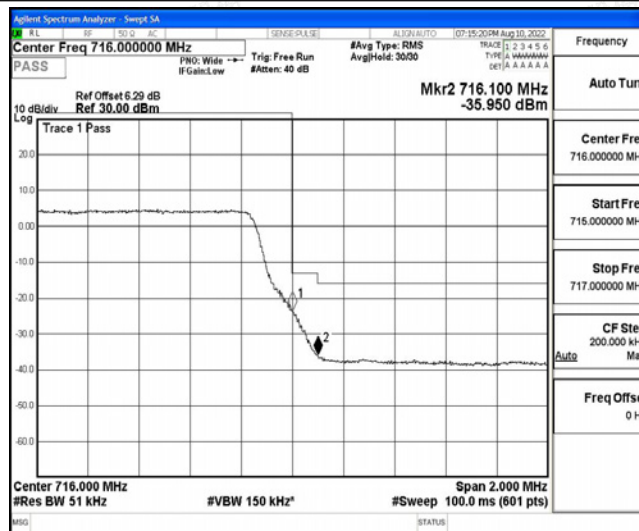


Band12-3MHz-16QAM-23165-15RB#0

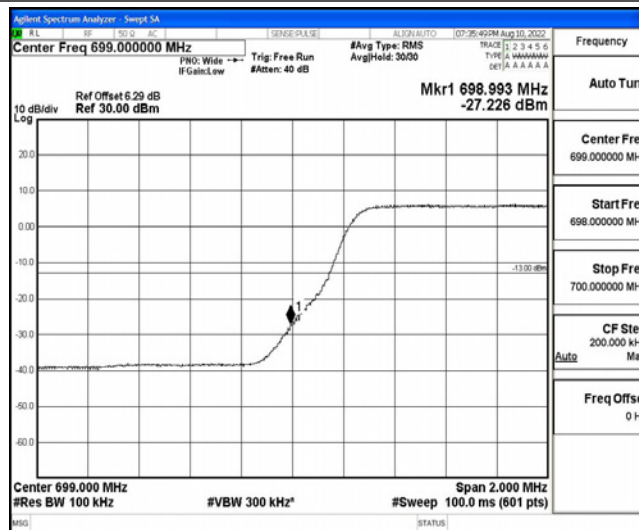




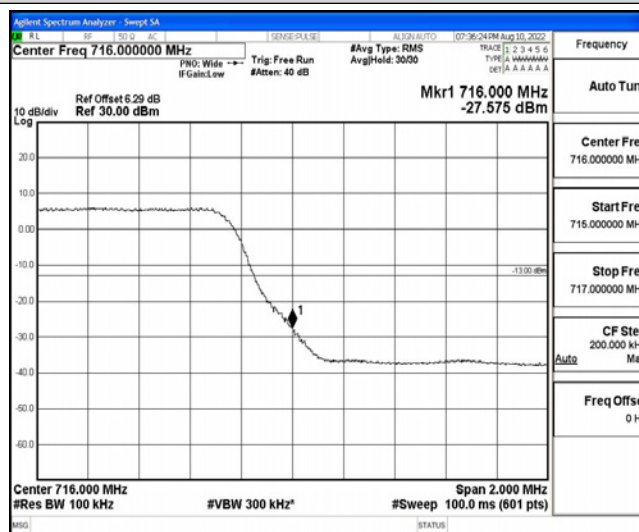
LCSA080122104EG



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



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

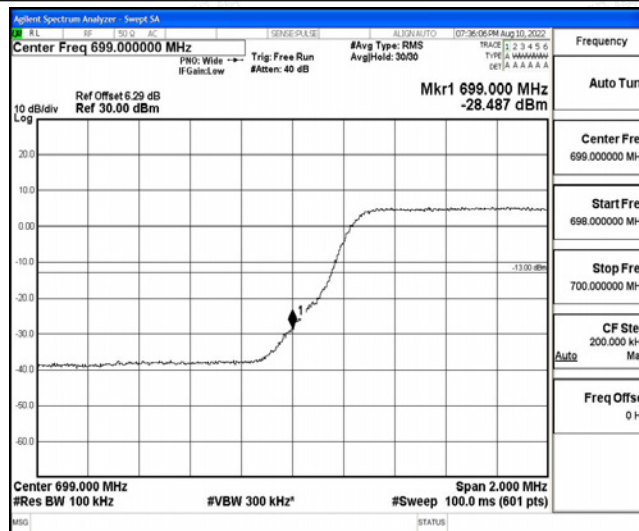


Band12-5MHz-16QAM-23035-25RB#0

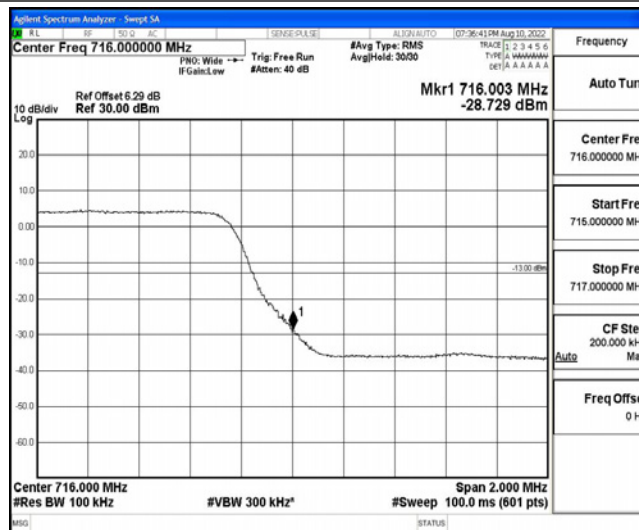




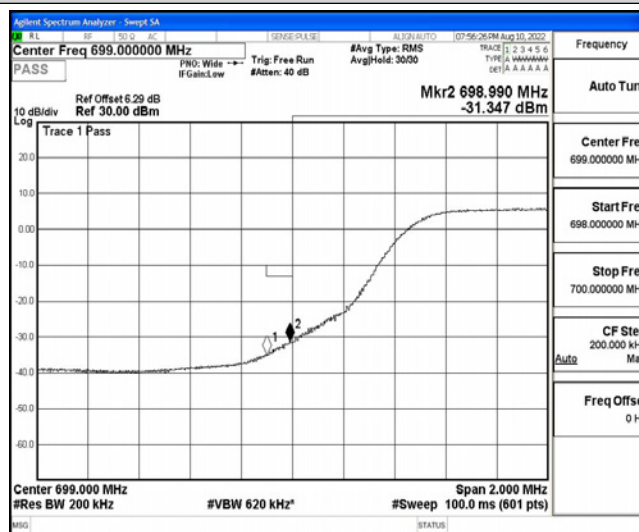
TVS-080122104EG



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



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

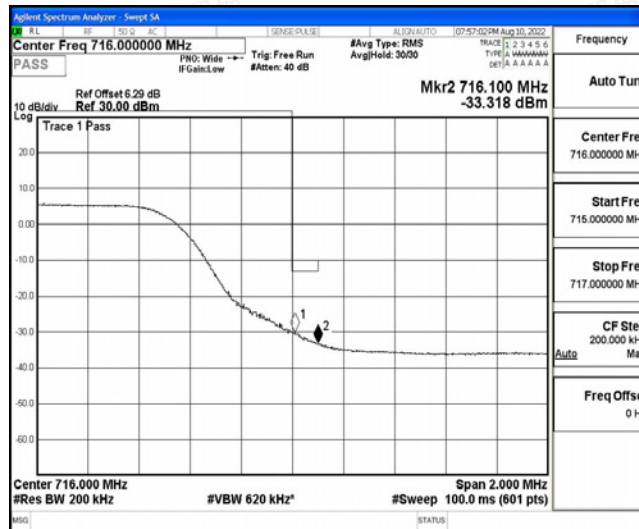


Band12-10MHz-QPSK-23130-50RB#0

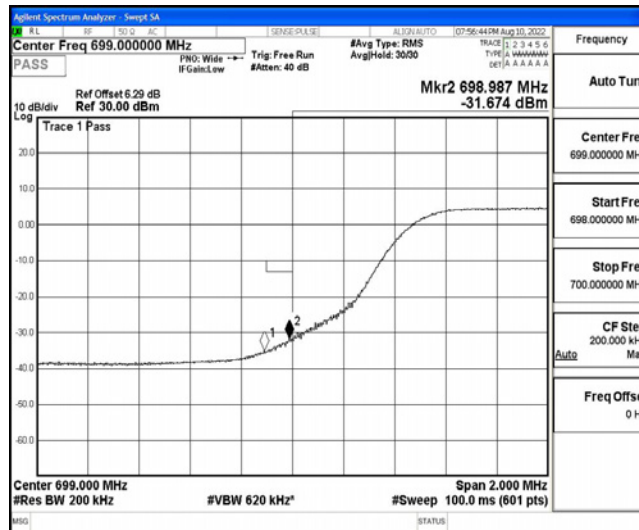




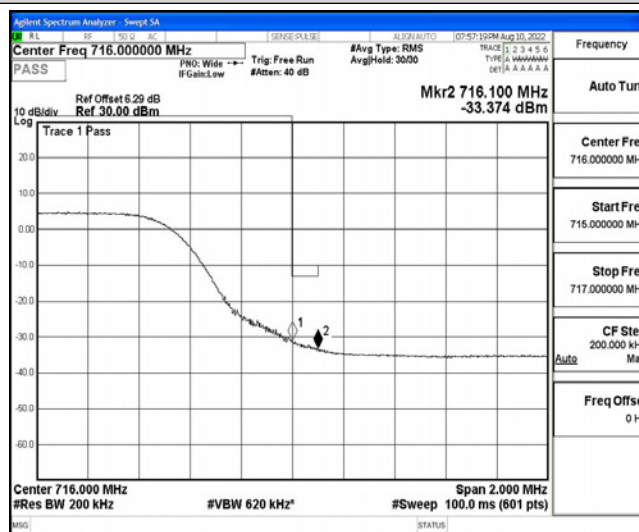
TVS-080122104EG



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



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



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H.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	-50.7	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range3:30~1000MHz	-40.85	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range4:1000~10000MHz	-31.72	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-54.49	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-52.01	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.38	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-30.7	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:0.009~0.15MHz	-56.48	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:0.15~30MHz	-51.06	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range3:30~1000MHz	-41.24	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range4:1000~10000MHz	-28.93	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:0.009~0.15MHz	-54.6	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:0.15~30MHz	-53.17	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range3:30~1000MHz	-40.94	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range4:1000~10000MHz	-30.31	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-51.6	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.81	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-29.23	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:0.009~0.15MHz	-54.8	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:0.15~30MHz	-50.9	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range3:30~1000MHz	-41.15	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range4:1000~10000MHz	-28.08	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:0.009~0.15MHz	-54.57	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:0.15~30MHz	-49.66	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range3:30~1000MHz	-40.48	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range4:1000~10000MHz	-31.45	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-55.87	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-52.22	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.97	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-30.61	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:0.009~0.15MHz	-55.54	PASS





Band12	3MHz	QPSK	23165	1RB#0	Range2:0.15~30MHz	-50.06	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range3:30~1000MHz	-39.94	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range4:1000~10000MHz	-30.91	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:0.009~0.15MHz	-56.3	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:0.15~30MHz	-53.1	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range3:30~1000MHz	-41	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range4:1000~10000MHz	-32.73	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-54.62	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-50.36	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-41.49	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-29.51	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:0.009~0.15MHz	-55.28	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:0.15~30MHz	-51.16	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range3:30~1000MHz	-41.21	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range4:1000~10000MHz	-31.72	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:0.009~0.15MHz	-54.47	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:0.15~30MHz	-49.83	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range3:30~1000MHz	-41.05	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range4:1000~10000MHz	-31.85	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-55.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-53.07	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.31	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-30.73	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:0.009~0.15MHz	-56.63	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:0.15~30MHz	-53.09	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range3:30~1000MHz	-40.63	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range4:1000~10000MHz	-30.89	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:0.009~0.15MHz	-55.75	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:0.15~30MHz	-50.6	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range3:30~1000MHz	-40.45	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range4:1000~10000MHz	-32.78	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.28	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-52.2	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-41.24	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-31.81	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:0.009~0.15MHz	-54.74	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:0.15~30MHz	-50.08	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range3:30~1000MHz	-41.33	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range4:1000~10000MHz	-31.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:0.009~0.15MHz	-55.33	PASS



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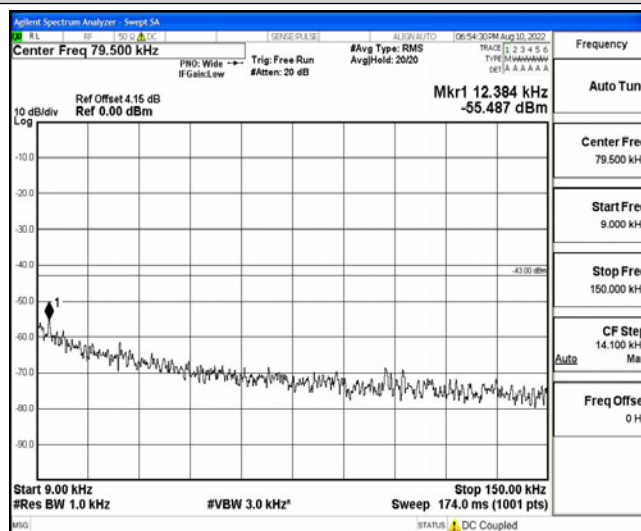
Scan code to check authenticity



Band12	10MHz	QPSK	23060	1RB#0	Range2:0.15~30MHz	-50.85	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range3:30~1000MHz	-40.9	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range4:1000~10000MHz	-31.84	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-55.91	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-51.2	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.31	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-31.61	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:0.009~0.15MHz	-54.19	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:0.15~30MHz	-49.64	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range3:30~1000MHz	-40.75	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range4:1000~10000MHz	-30.73	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:0.009~0.15MHz	-54.72	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:0.15~30MHz	-52.19	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range3:30~1000MHz	-40.95	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range4:1000~10000MHz	-31.05	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.3	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-51.43	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.94	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-32.23	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:0.009~0.15MHz	-55.32	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:0.15~30MHz	-52.34	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range3:30~1000MHz	-39.97	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range4:1000~10000MHz	-31.06	PASS

Test Graphs

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

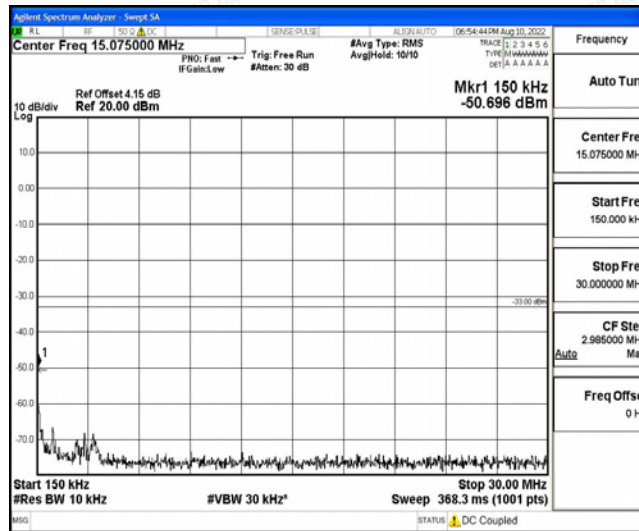


Band12-1.4MHz-QPSK-23017-1RB#0-Range2:0.15~30MHz

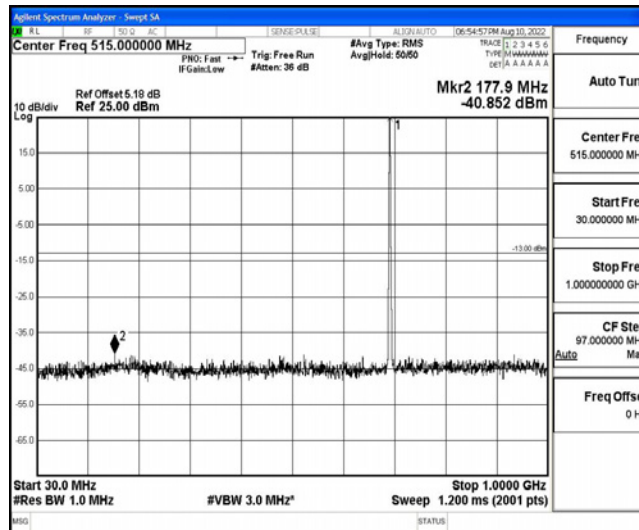




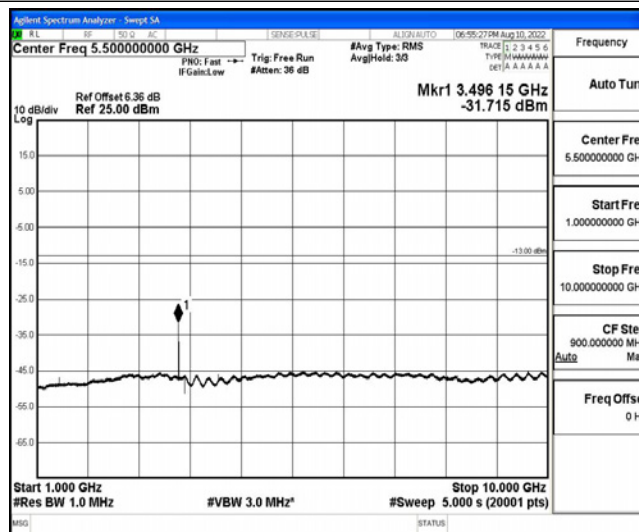
TVS-080122104EG



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



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

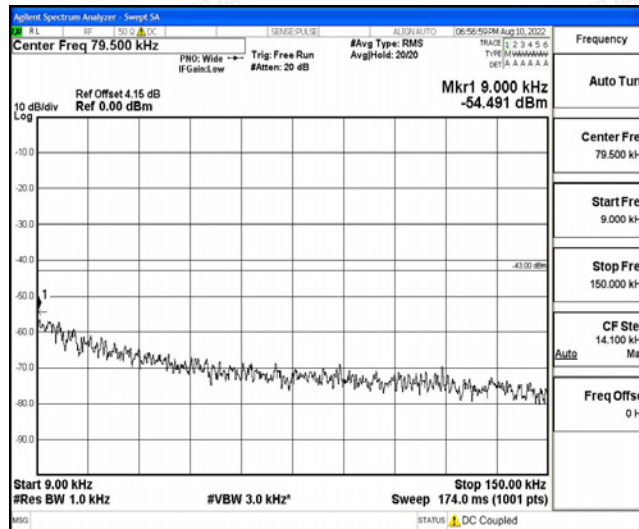


Band12-1.4MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz

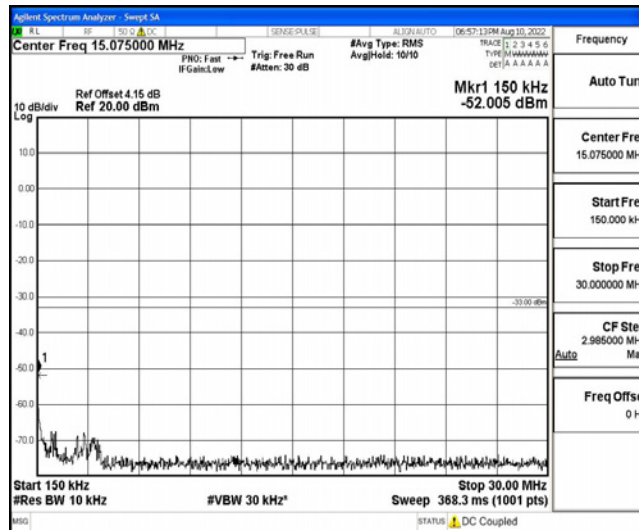




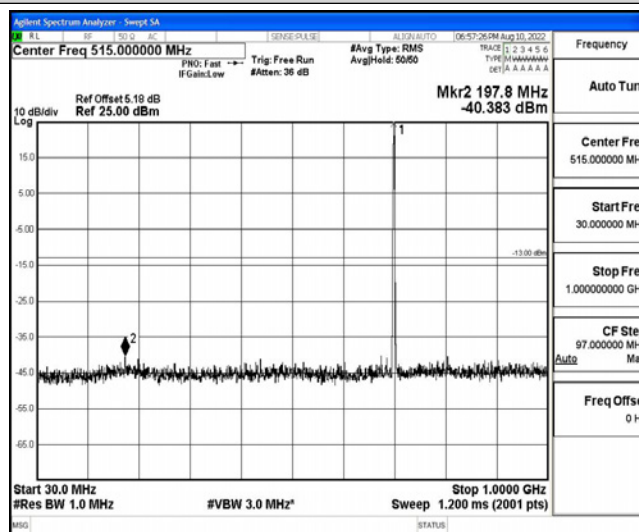
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Band12-1.4MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



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



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



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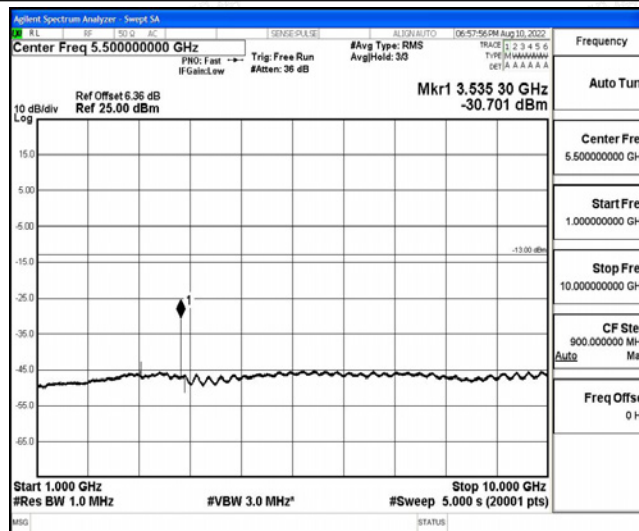
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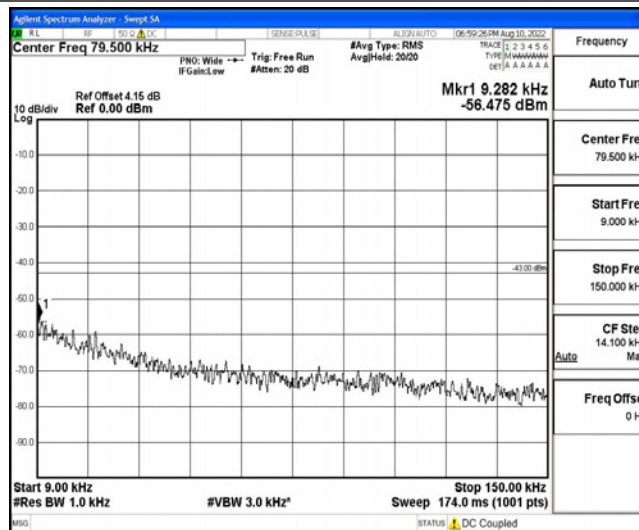
Scan code to check authenticity



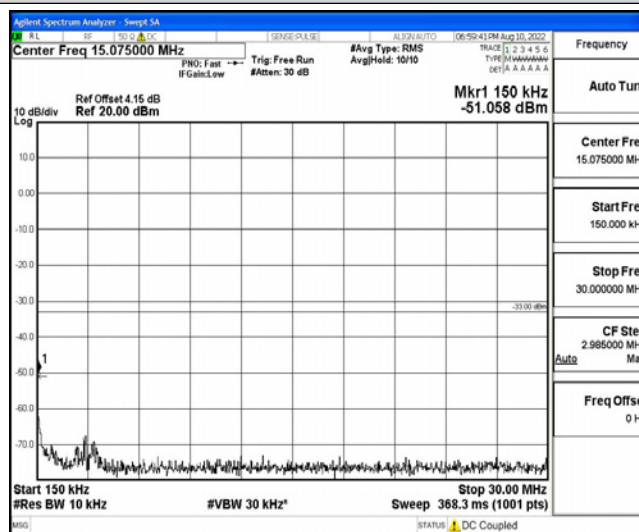
TVS-080122104EG



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



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

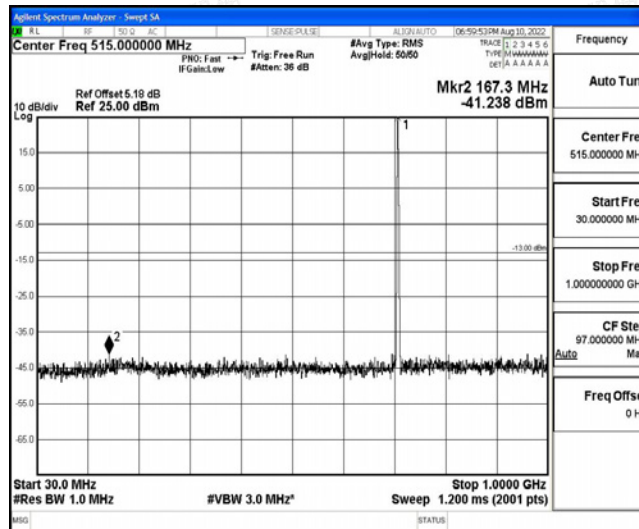


Band12-1.4MHz-QPSK-23173-1RB#0-Range3:30~1000MHz

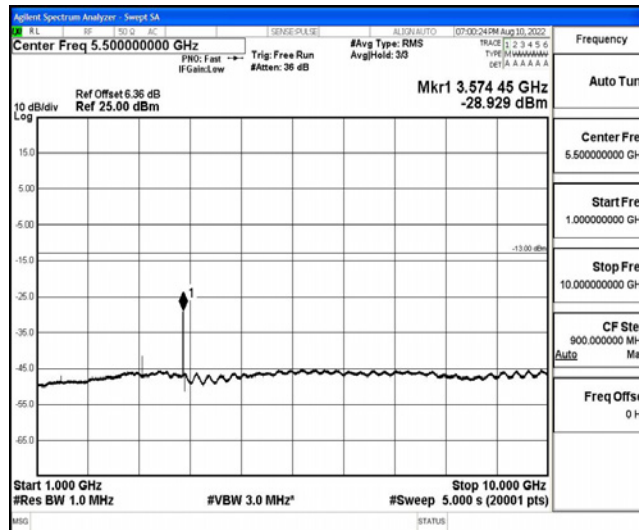




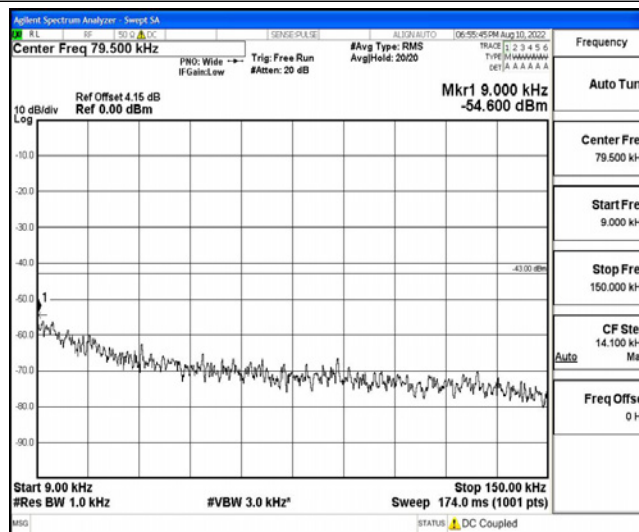
TVS-080122104EG



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



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

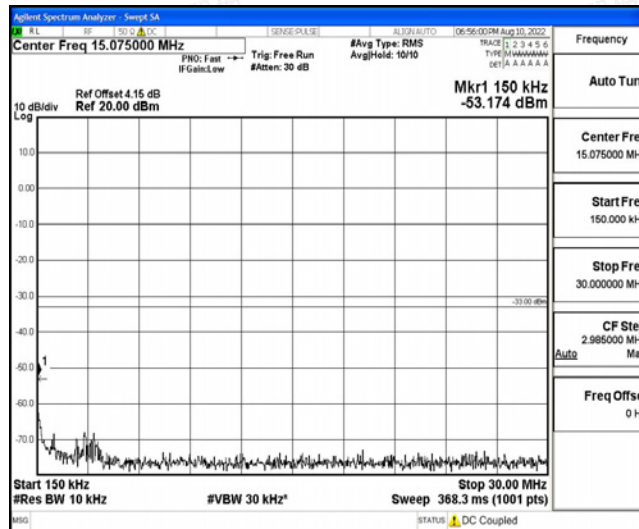


Band12-1.4MHz-16QAM-23017-1RB#0-Range2:0.15~30MHz

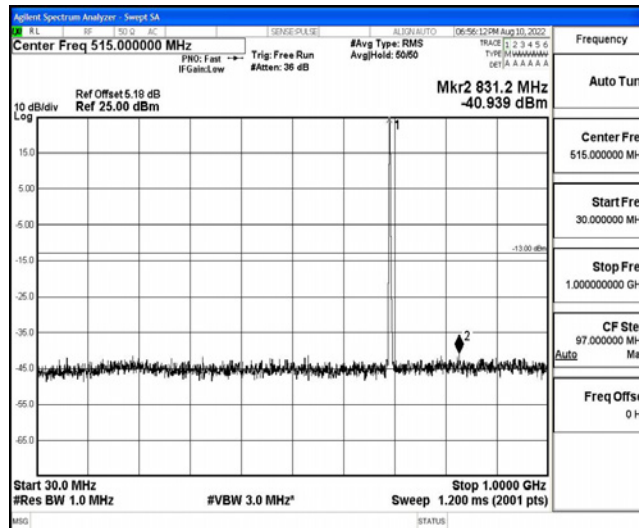




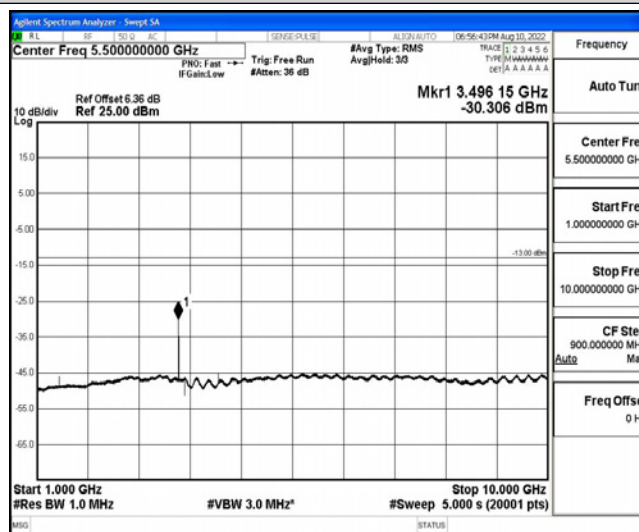
LCSA080122104EG



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



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

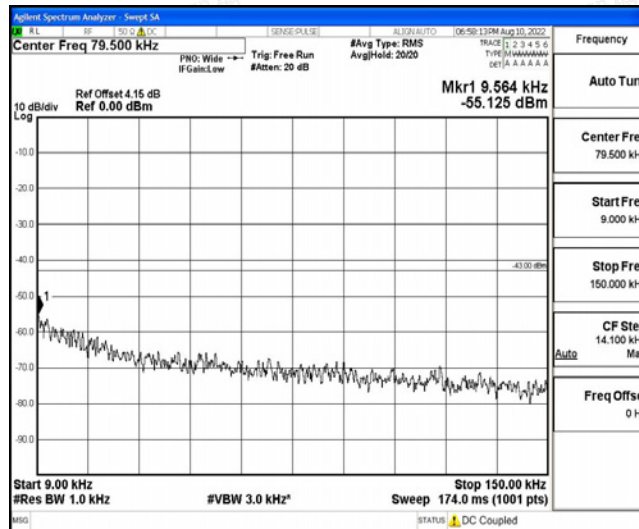


Band12-1.4MHz-16QAM-23095-1RB#0-Range1:0.009~0.15MHz

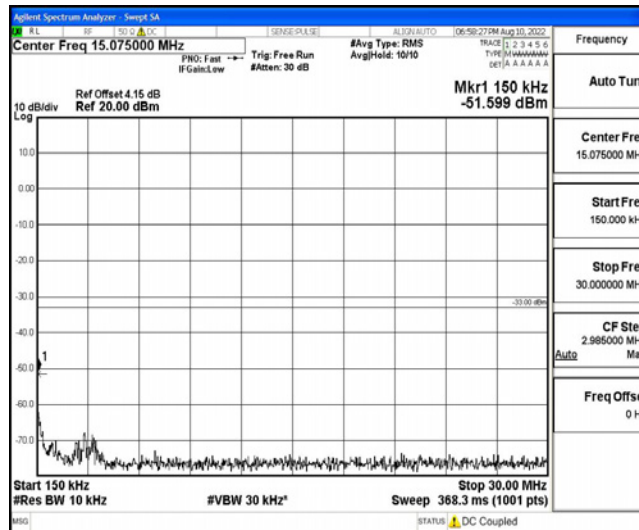




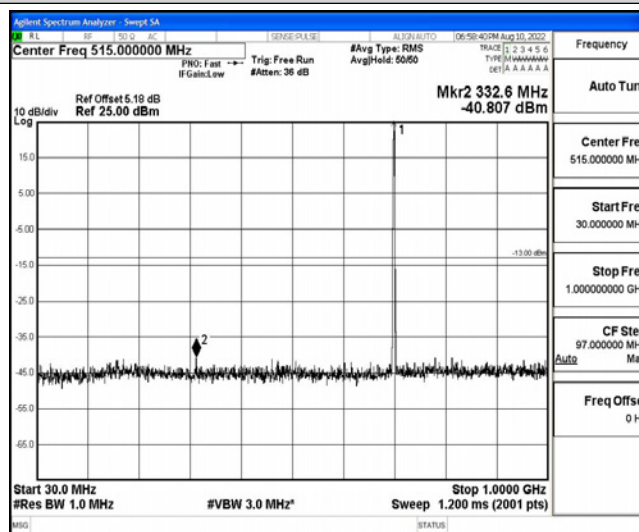
TVS-A080122104EG



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



Band12-1.4MHz-16QAM-23095-1RB#0-Range3:30~1000MHz



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

