



Appendix L: Test Data for E-UTRA Band 12

Product Name: Smart Phone

Test Model: HLTE241E

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li huan





L.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	22.73	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.00	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.86	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.85	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.86	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.92	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.83	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.83	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.90	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.80	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.98	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.93	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.96	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.89	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.94	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.15	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.98	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.03	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.00	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.07	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.97	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.55	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.75	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.63	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.65	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.67	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.69	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.70	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.78	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.94	PASS





Band12	1.4MHz	16QAM	23095	1RB#5	21.80	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.71	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.74	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.63	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.93	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.73	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.86	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.68	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.79	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.79	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.83	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.76	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.76	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.88	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.98	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.85	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.88	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.85	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.93	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.96	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.88	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.84	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.88	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.90	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.90	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.93	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.93	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.98	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.93	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.92	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.92	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.97	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.89	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.72	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.91	PASS





Band12	3MHz	16QAM	23025	1RB#14	21.93	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.83	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.84	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.90	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.89	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.95	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.88	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.86	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.96	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.95	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.91	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.96	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.94	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.89	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.89	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.95	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.90	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.95	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.89	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.73	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.01	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.80	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.85	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.83	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.82	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.84	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.88	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.01	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.90	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.98	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.97	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.00	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.04	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.95	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.08	PASS





Band12	5MHz	QPSK	23155	1RB#24	22.97	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.01	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.01	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.92	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.94	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.63	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.93	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.82	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.86	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.86	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.92	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.98	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.10	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.96	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.02	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.03	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.01	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.02	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.79	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.95	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.81	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.98	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.01	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.95	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.01	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.78	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.96	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.87	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.99	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.98	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.96	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.95	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.02	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.10	PASS





Band12	10MHz	QPSK	23095	1RB#49	23.03	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.02	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.02	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.05	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.04	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.93	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.12	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.97	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.03	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.98	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.00	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.98	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.78	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.07	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.95	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.99	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.98	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.93	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.90	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.86	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.96	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.86	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.11	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.08	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.08	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.07	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.70	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.81	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.69	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.04	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.05	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.99	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.05	PASS





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

Test Result

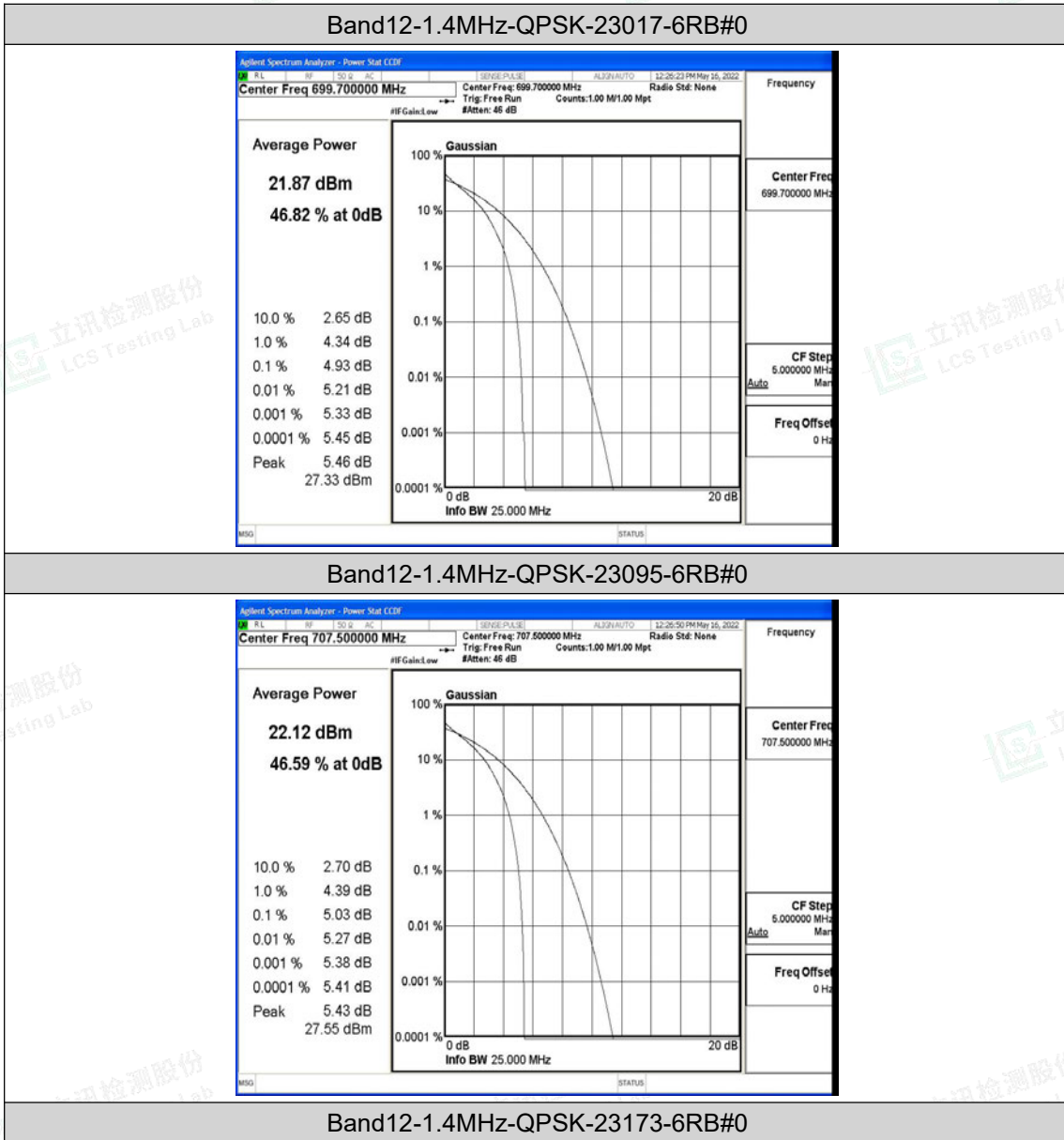
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	4.93	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.03	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.49	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.83	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.91	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.44	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.10	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.11	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.69	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.00	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.99	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.68	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.14	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.18	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.96	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.99	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.00	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.82	13	PASS

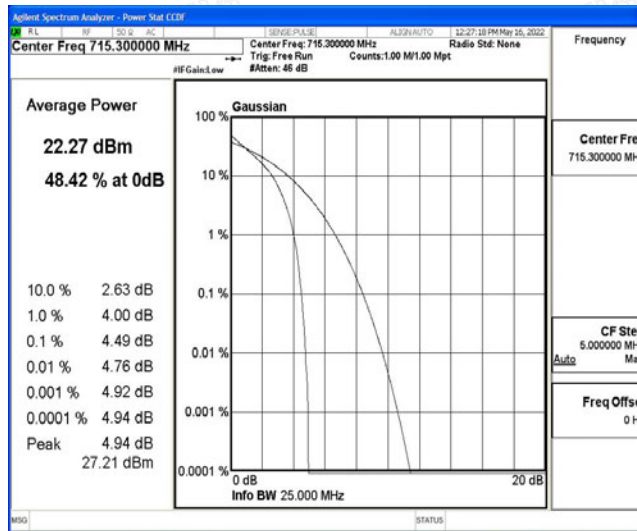


Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity

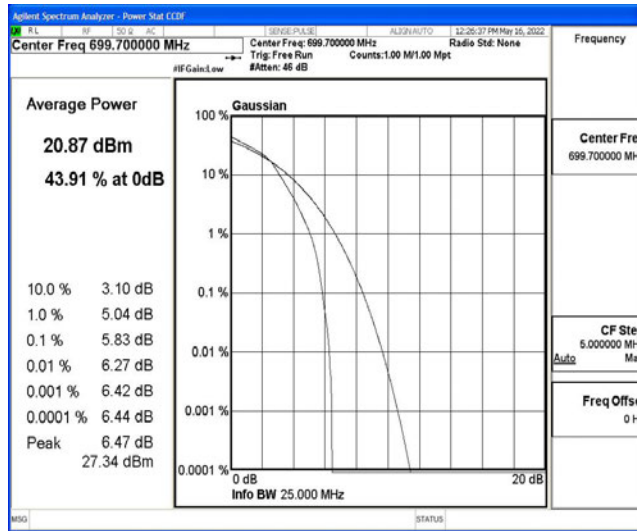


Test Graphs

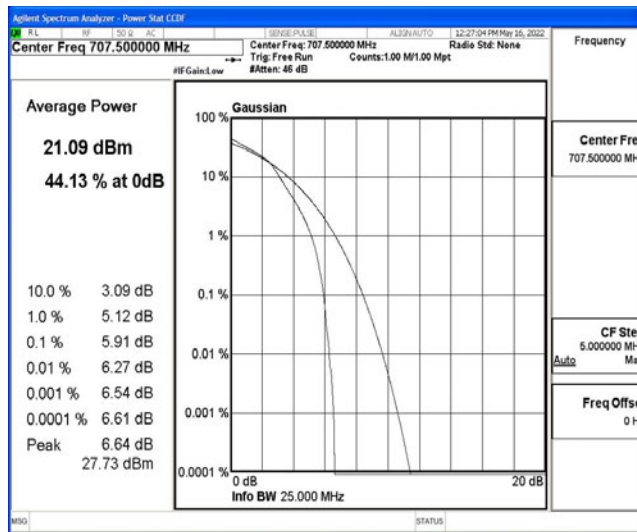




Band12-1.4MHz-16QAM-23017-6RB#0

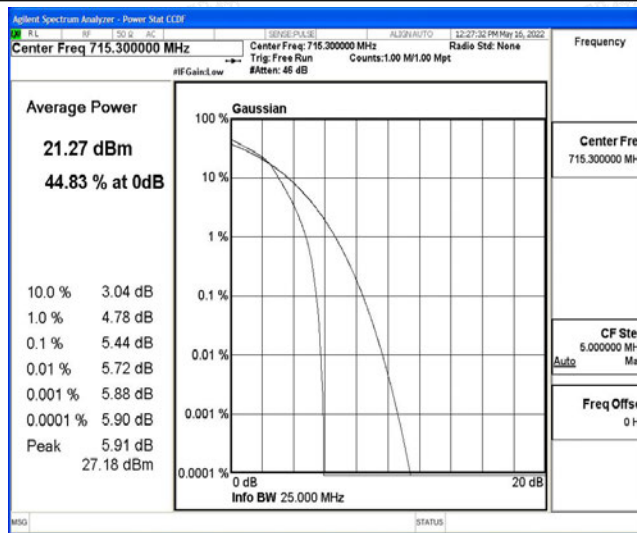


Band12-1.4MHz-16QAM-23095-6RB#0

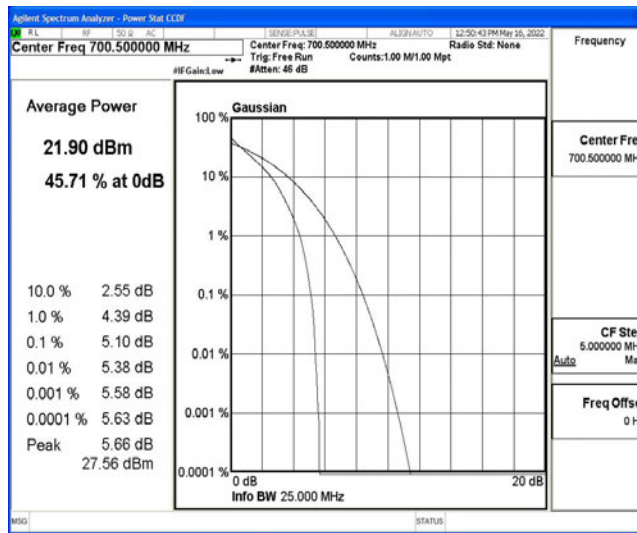


Band12-1.4MHz-16QAM-23173-6RB#0

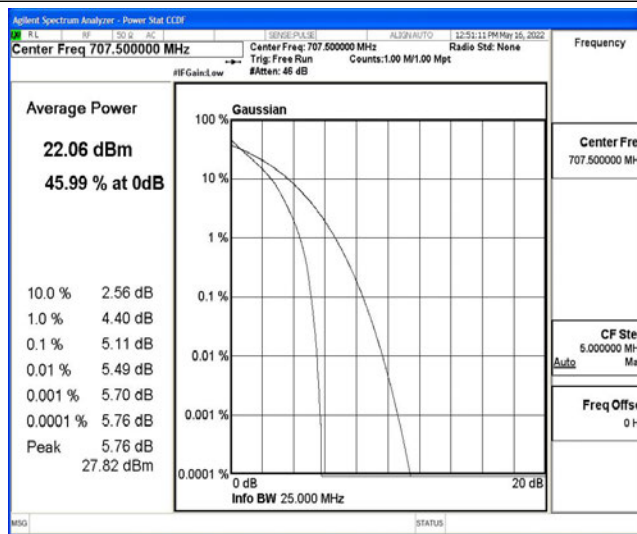




Band12-3MHz-QPSK-23025-15RB#0

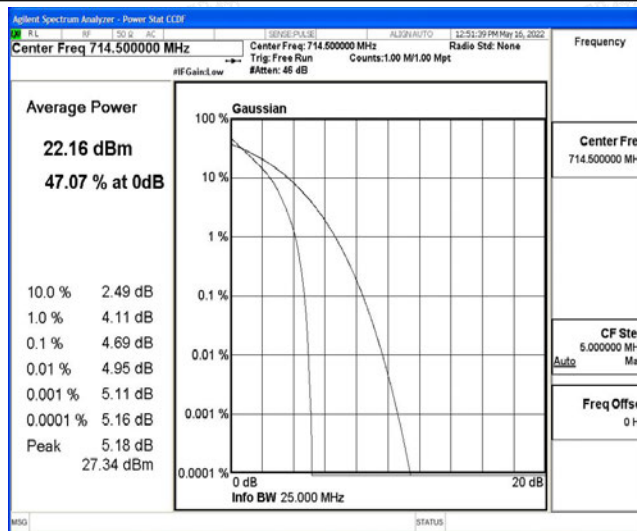


Band12-3MHz-QPSK-23095-15RB#0

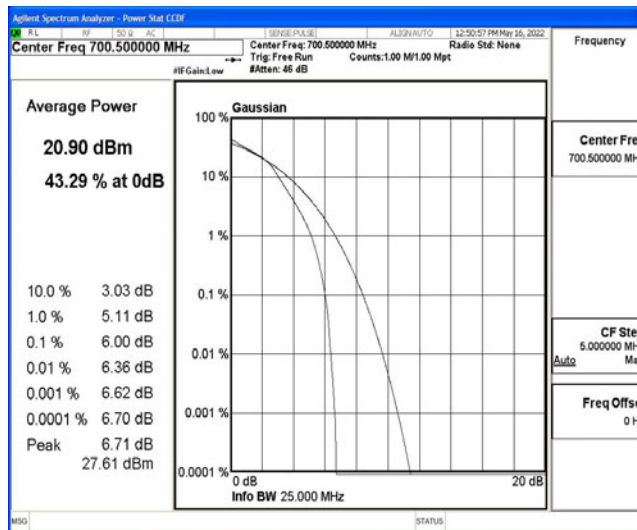


Band12-3MHz-QPSK-23165-15RB#0

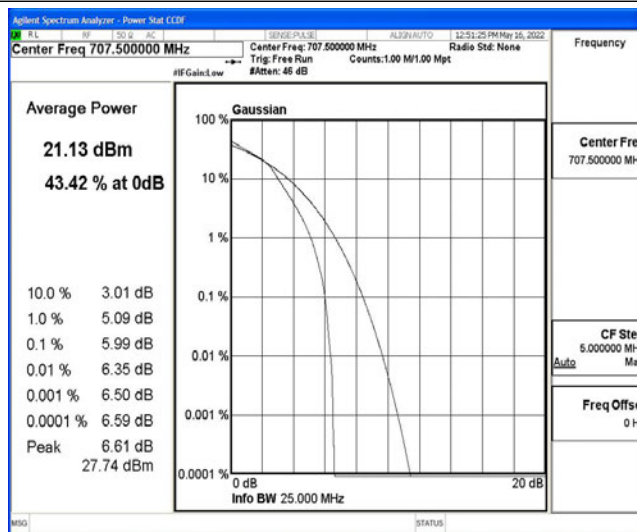




Band12-3MHz-16QAM-23025-15RB#0

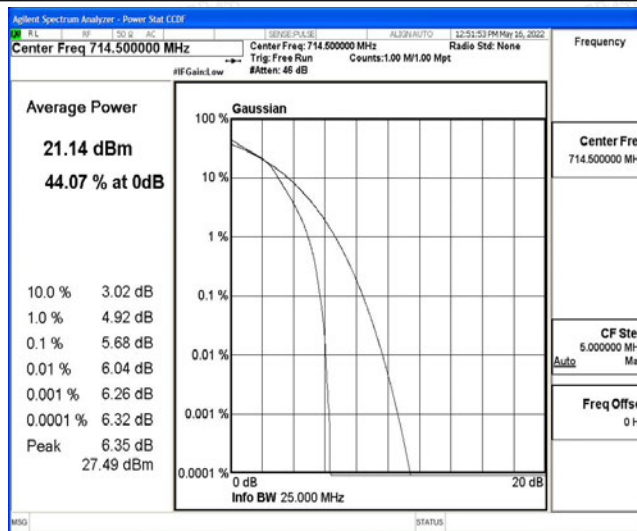


Band12-3MHz-16QAM-23095-15RB#0

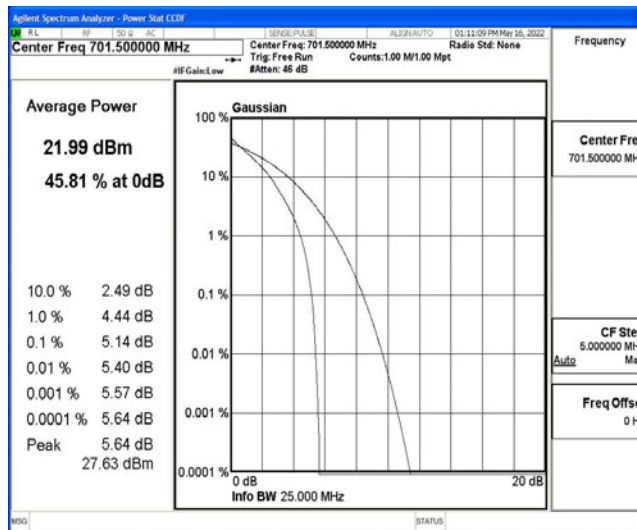


Band12-3MHz-16QAM-23165-15RB#0

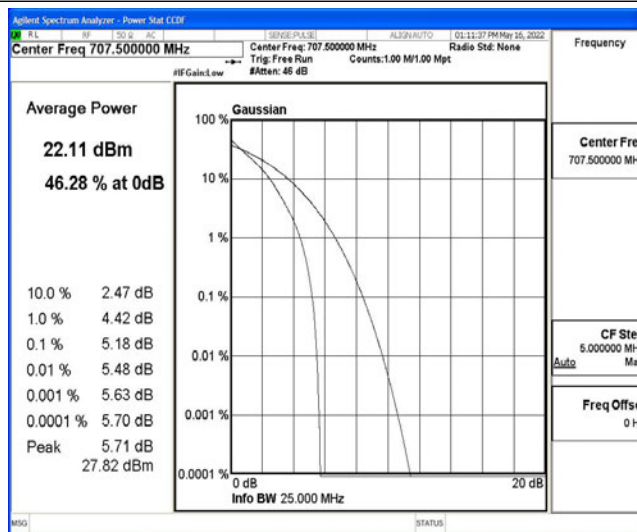




Band12-5MHz-QPSK-23035-25RB#0

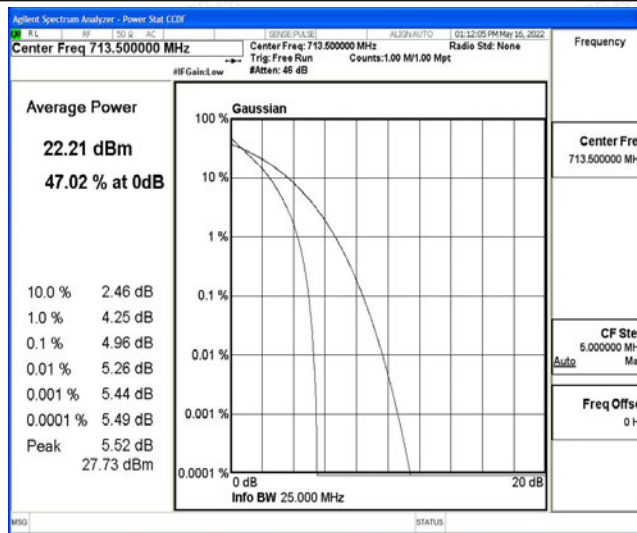


Band12-5MHz-QPSK-23095-25RB#0

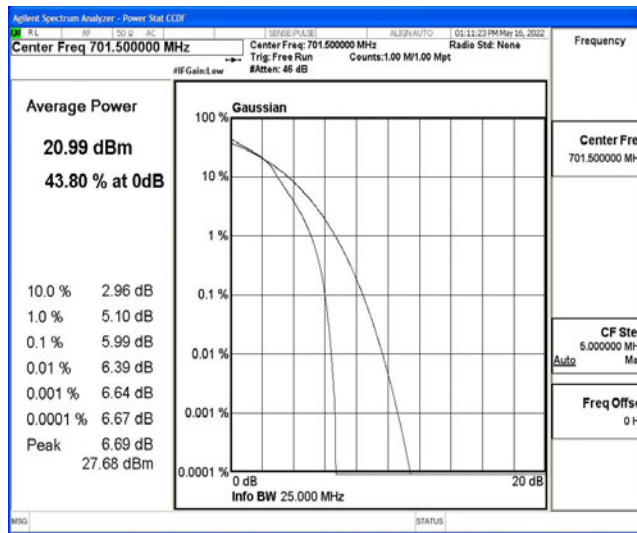


Band12-5MHz-QPSK-23155-25RB#0

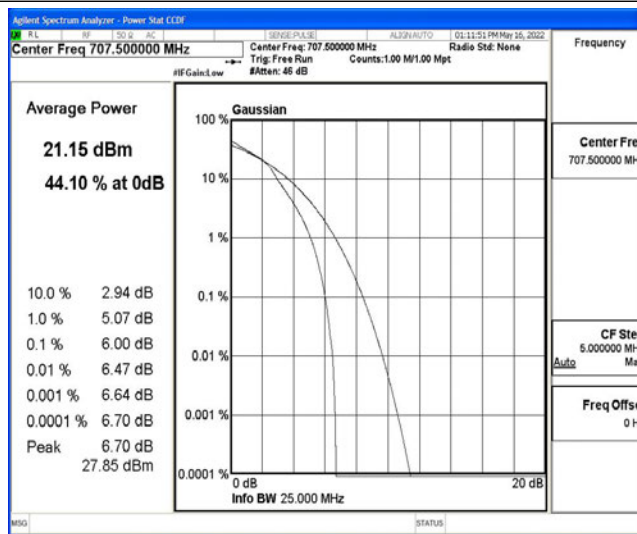




Band12-5MHz-16QAM-23035-25RB#0

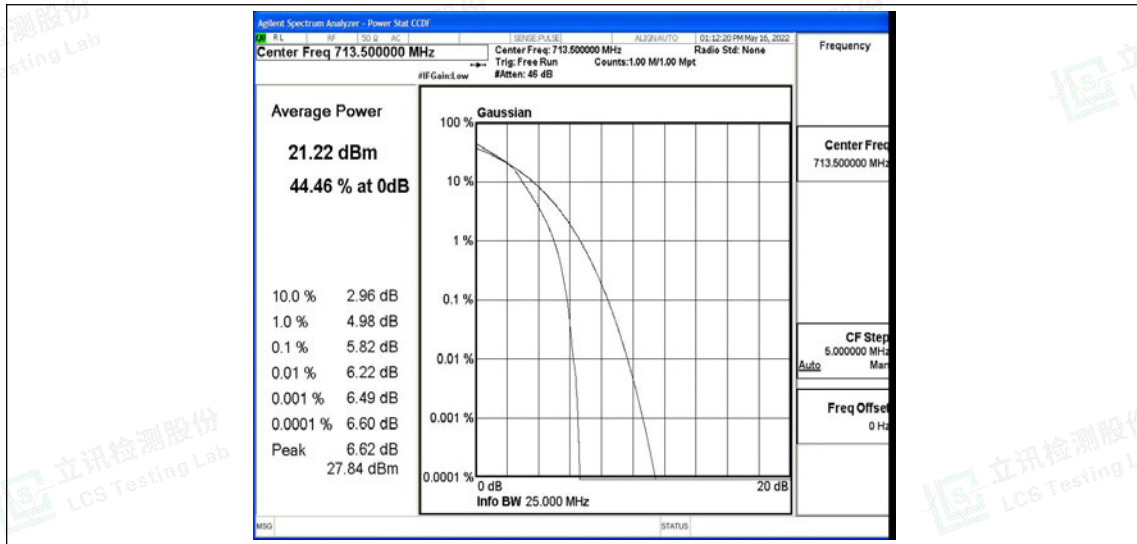


Band12-5MHz-16QAM-23095-25RB#0



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







L.3 26dB Bandwidth and Occupied Bandwidth

Test Result

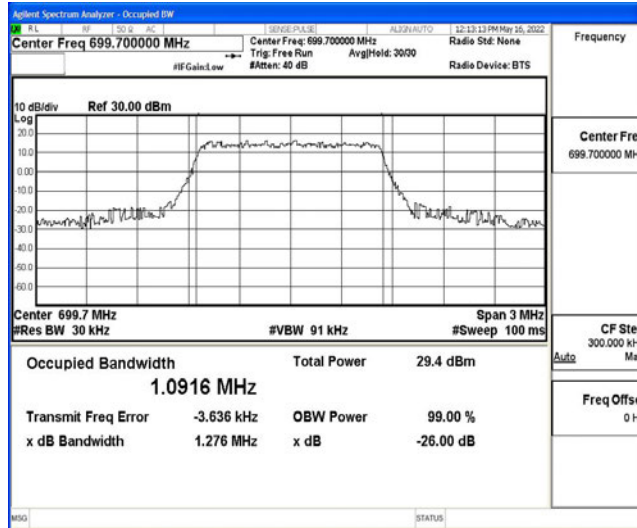
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0916	1.276	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0976	1.283	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0975	1.276	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0940	1.279	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0857	1.283	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0881	1.271	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6794	2.899	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6933	2.896	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6855	2.879	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6788	2.887	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6797	2.899	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6770	2.882	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5218	5.201	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5083	5.152	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5202	5.166	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5218	5.100	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5258	5.213	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5395	5.176	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0215	10.16	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0241	10.11	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9880	9.988	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0008	10.03	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9721	10.11	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9977	10.05	PASS



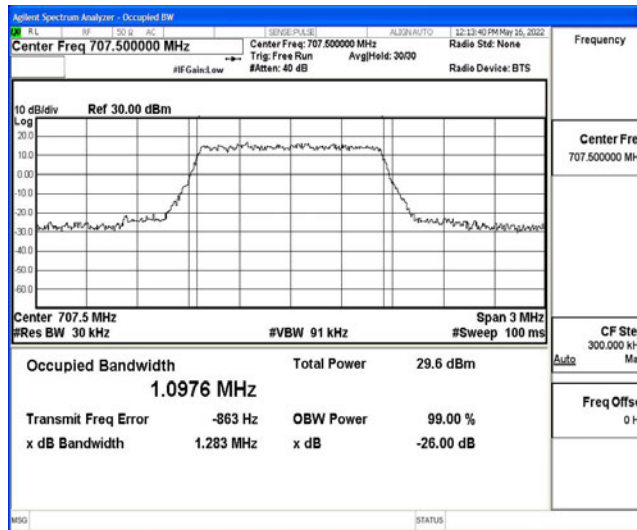


Test Graphs

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

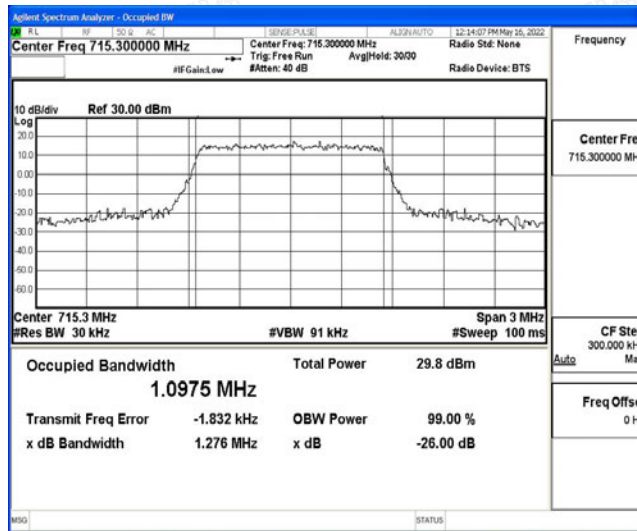


Band12-1.4MHz-QPSK-23095-6RB#0

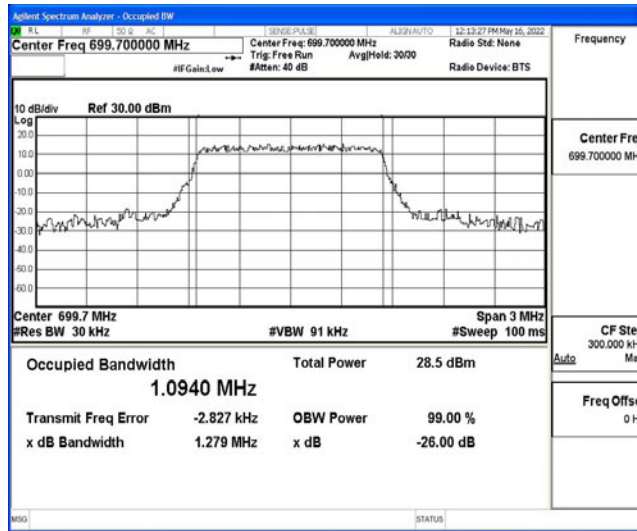


Band12-1.4MHz-QPSK-23173-6RB#0

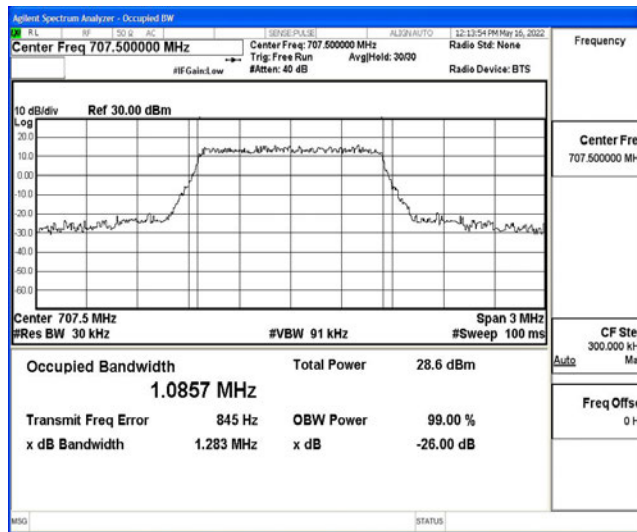




Band12-1.4MHz-16QAM-23017-6RB#0

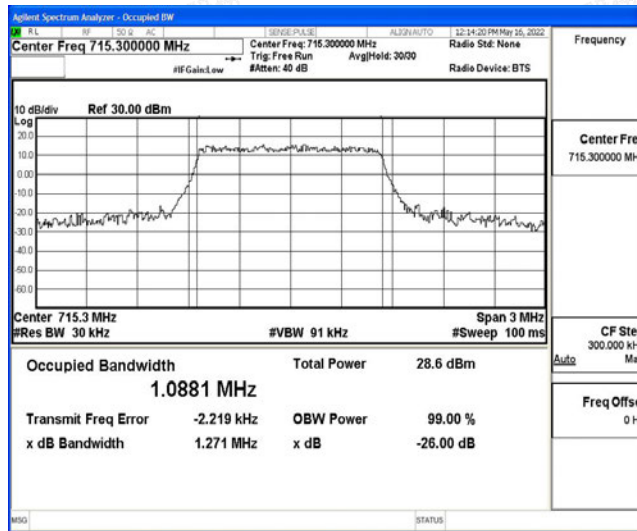


Band12-1.4MHz-16QAM-23095-6RB#0

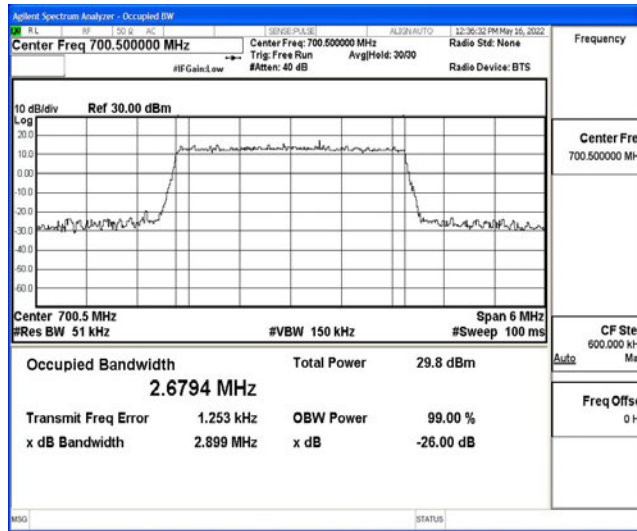


Band12-1.4MHz-16QAM-23173-6RB#0

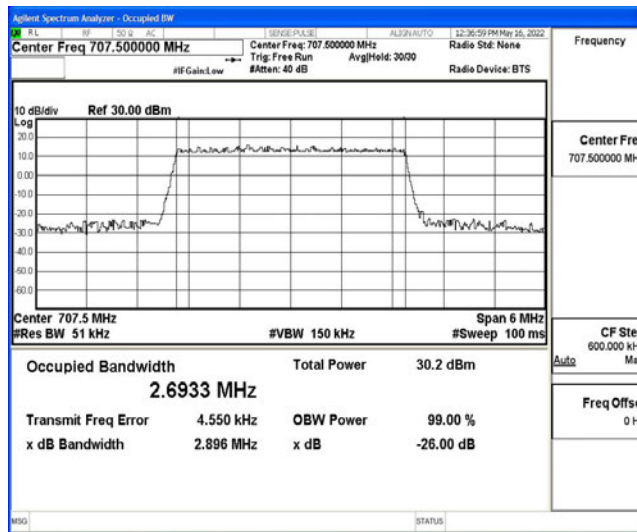




Band12-3MHz-QPSK-23025-15RB#0

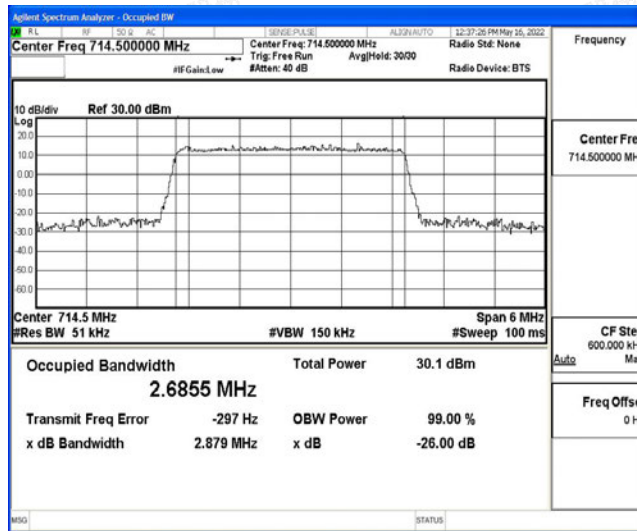


Band12-3MHz-QPSK-23095-15RB#0

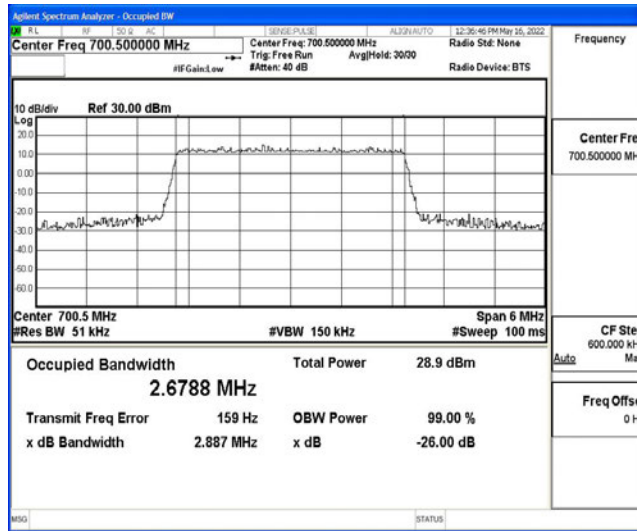


Band12-3MHz-QPSK-23165-15RB#0

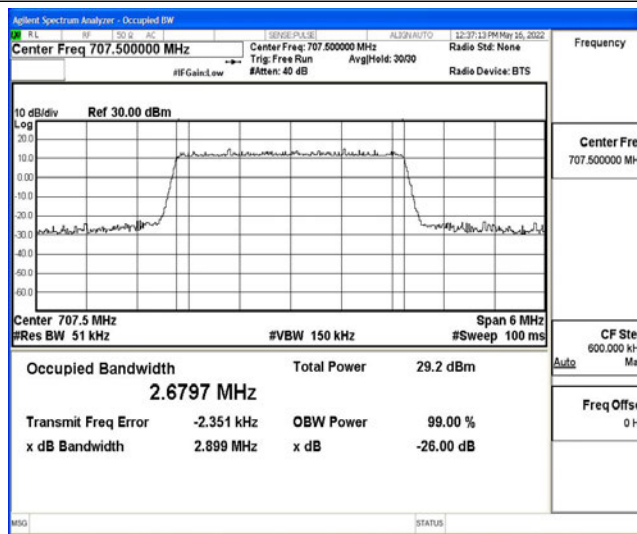




Band12-3MHz-16QAM-23025-15RB#0

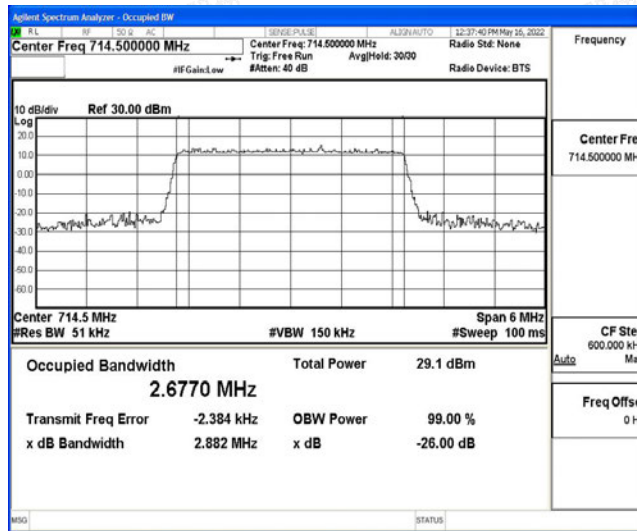


Band12-3MHz-16QAM-23095-15RB#0

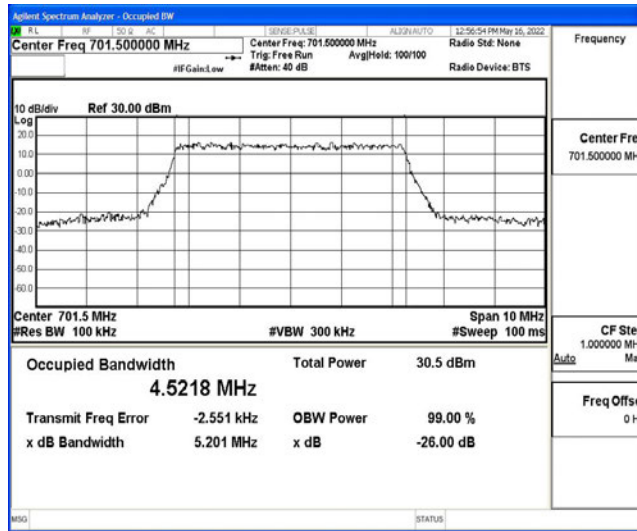


Band12-3MHz-16QAM-23165-15RB#0

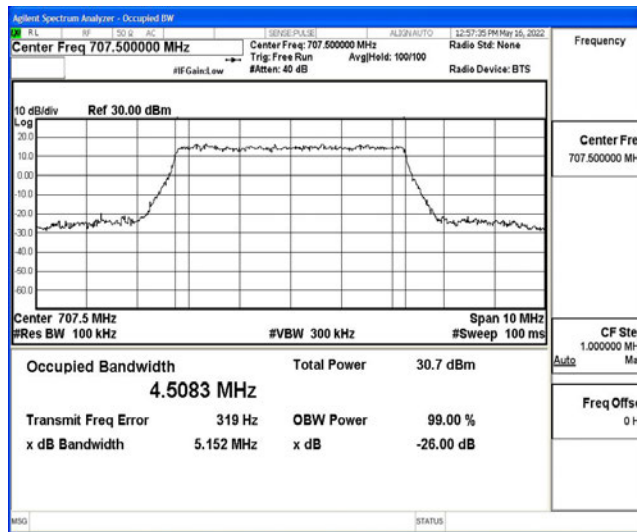




Band12-5MHz-QPSK-23035-25RB#0

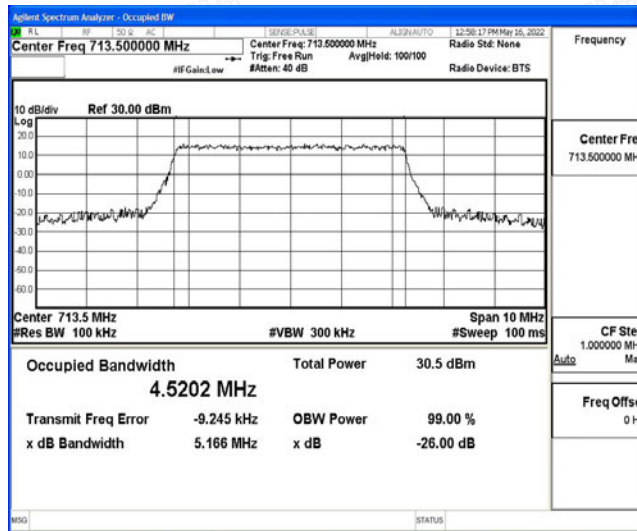


Band12-5MHz-QPSK-23095-25RB#0

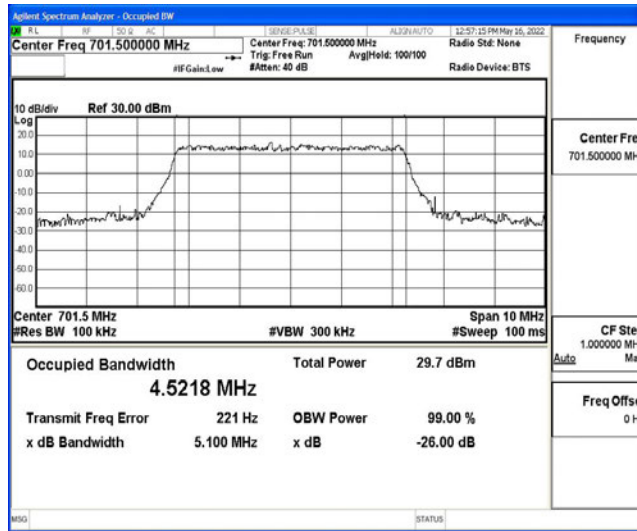


Band12-5MHz-QPSK-23155-25RB#0

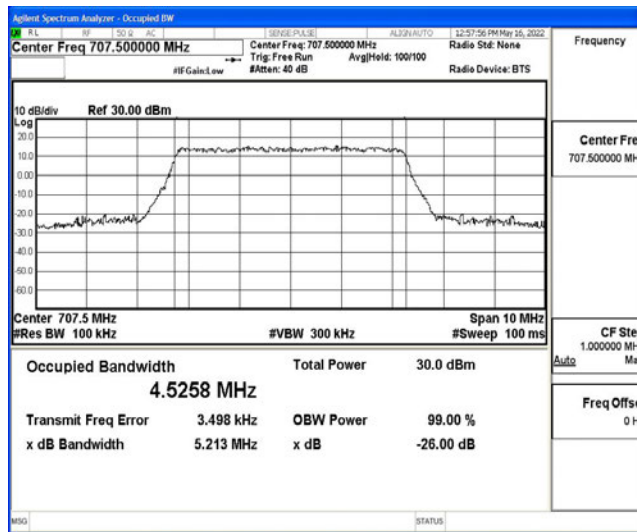




Band12-5MHz-16QAM-23035-25RB#0

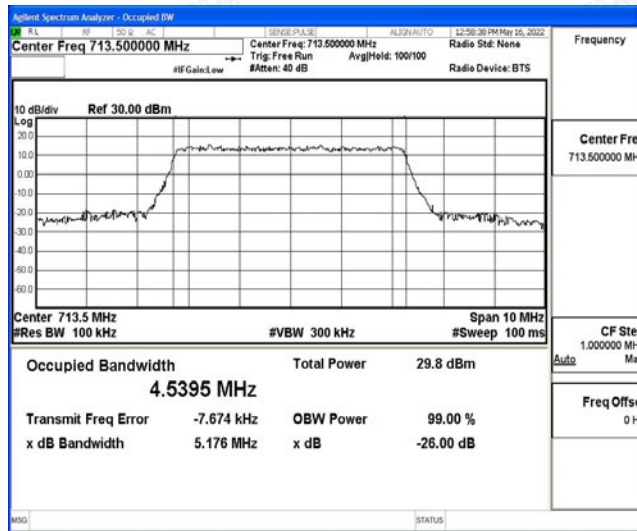


Band12-5MHz-16QAM-23095-25RB#0

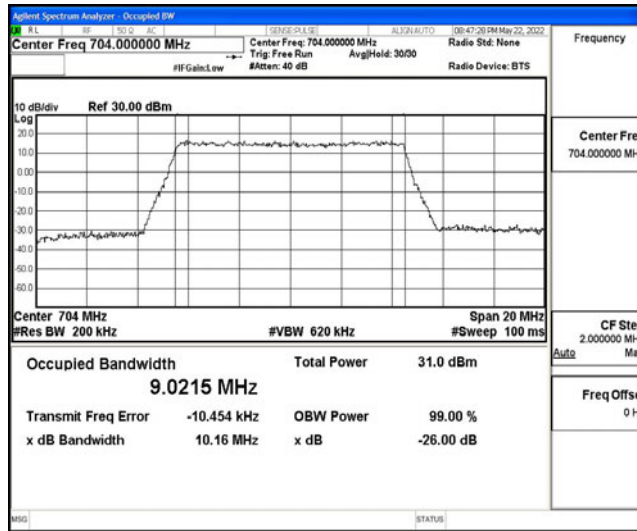


Band12-5MHz-16QAM-23155-25RB#0

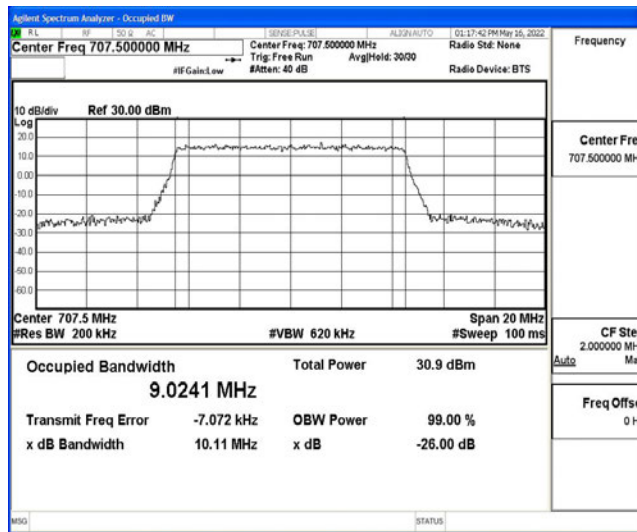




Band12-10MHz-QPSK-23060-50RB#0

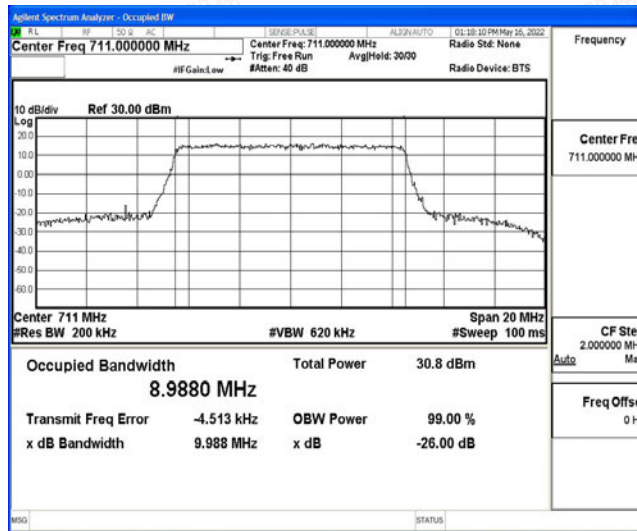


Band12-10MHz-QPSK-23095-50RB#0

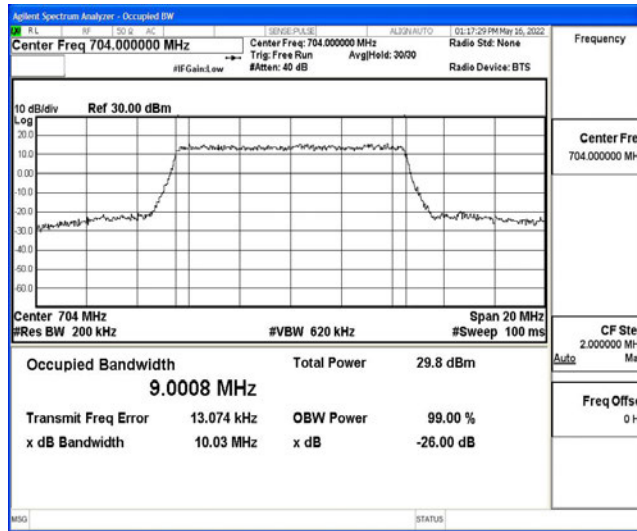


Band12-10MHz-QPSK-23130-50RB#0

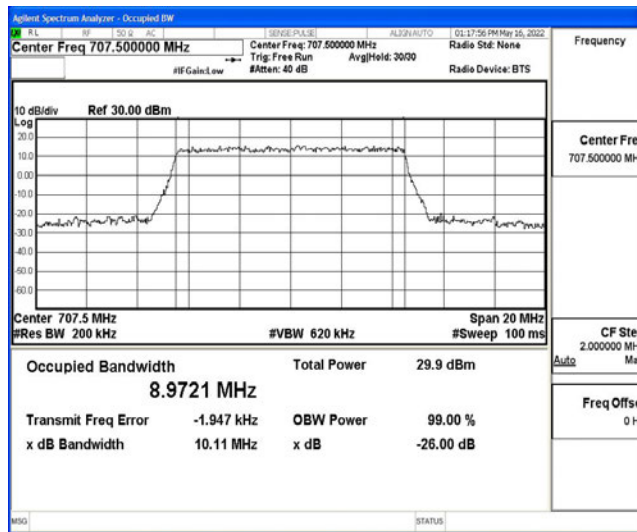




Band12-10MHz-16QAM-23060-50RB#0

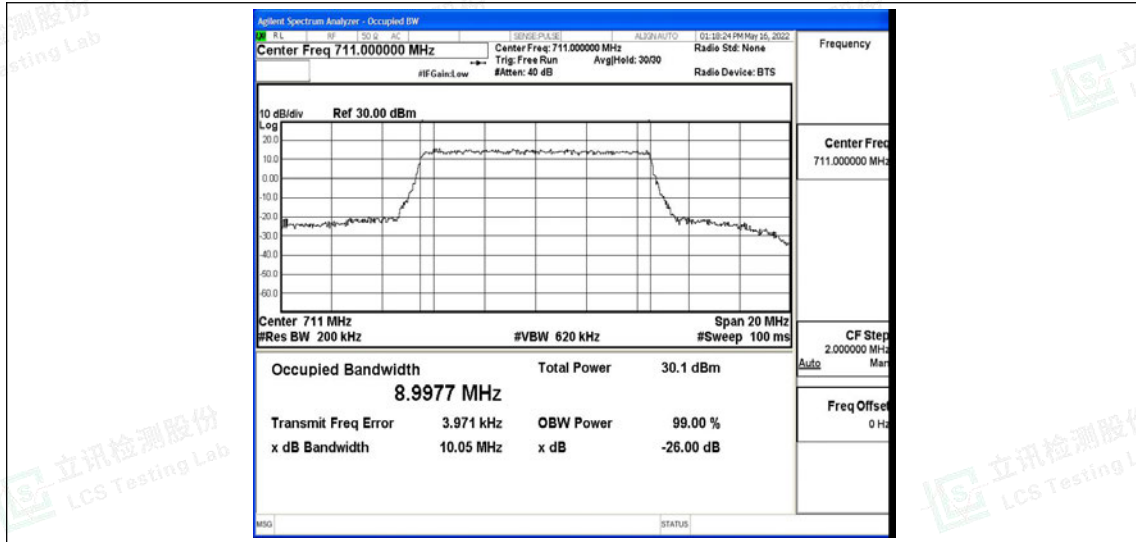


Band12-10MHz-16QAM-23095-50RB#0



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





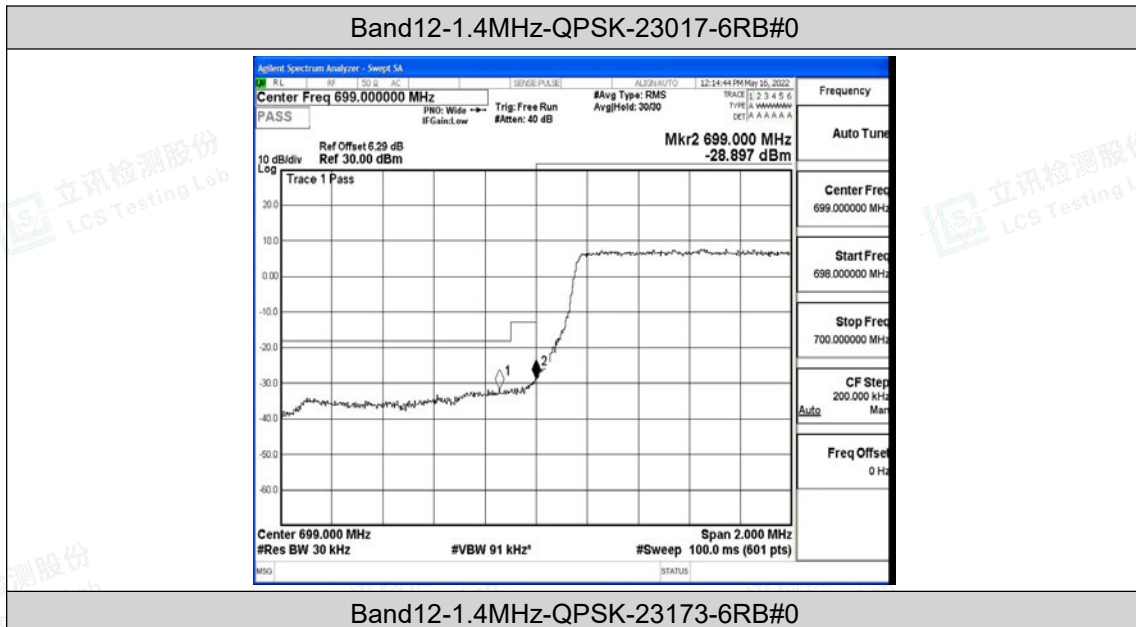


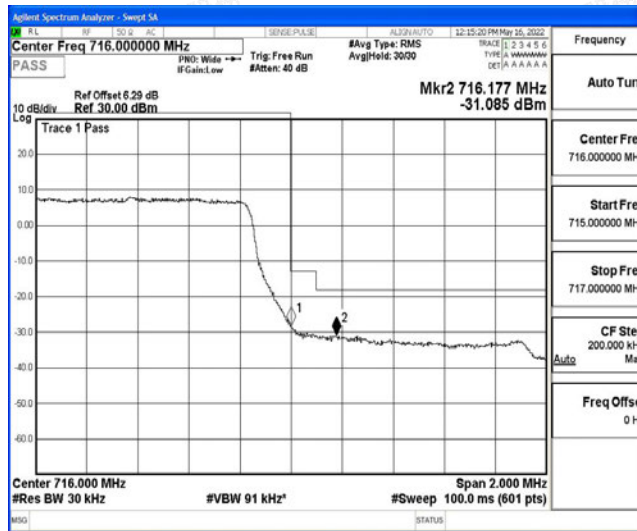
L.4 Band Edge

Test Result

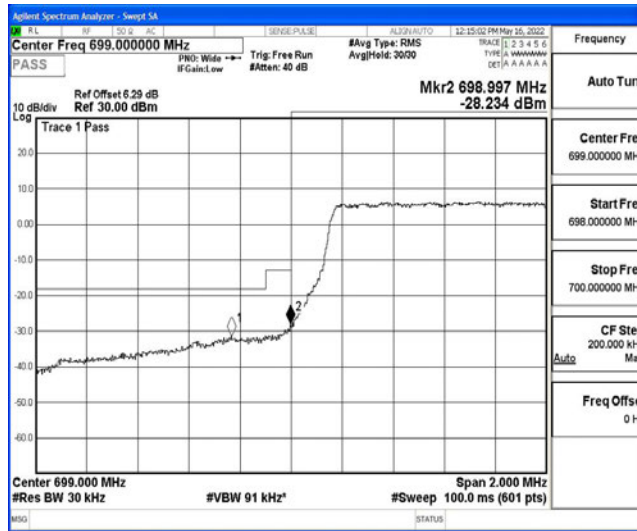
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-31.57,-28.90	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-28.43,-31.08	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-31.36,-28.23	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-28.70,-31.56	PASS
Band12	3MHz	QPSK	23025	15RB#0	-33.47,-30.29	PASS
Band12	3MHz	QPSK	23165	15RB#0	-30.59,-33.37	PASS
Band12	3MHz	16QAM	23025	15RB#0	-32.98,-30.73	PASS
Band12	3MHz	16QAM	23165	15RB#0	-31.74,-34.39	PASS
Band12	5MHz	QPSK	23035	25RB#0	-22.09	PASS
Band12	5MHz	QPSK	23155	25RB#0	-23.55	PASS
Band12	5MHz	16QAM	23035	25RB#0	-23.66	PASS
Band12	5MHz	16QAM	23155	25RB#0	-23.82	PASS
Band12	10MHz	QPSK	23060	50RB#0	-28.49,-26.46	PASS
Band12	10MHz	QPSK	23130	50RB#0	-27.98,-30.01	PASS
Band12	10MHz	16QAM	23060	50RB#0	-29.39,-27.71	PASS
Band12	10MHz	16QAM	23130	50RB#0	-28.89,-30.48	PASS

Test Graphs

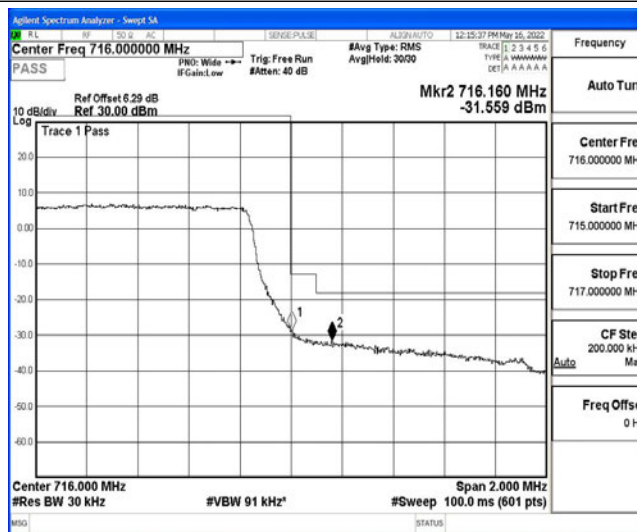




Band12-1.4MHz-16QAM-23017-6RB#0

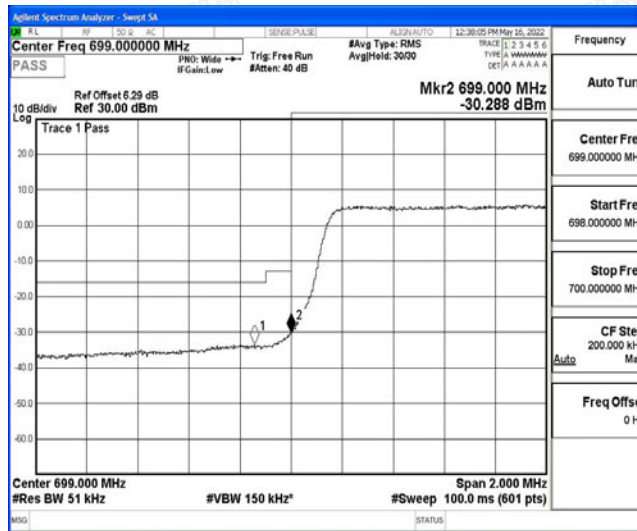


Band12-1.4MHz-16QAM-23173-6RB#0

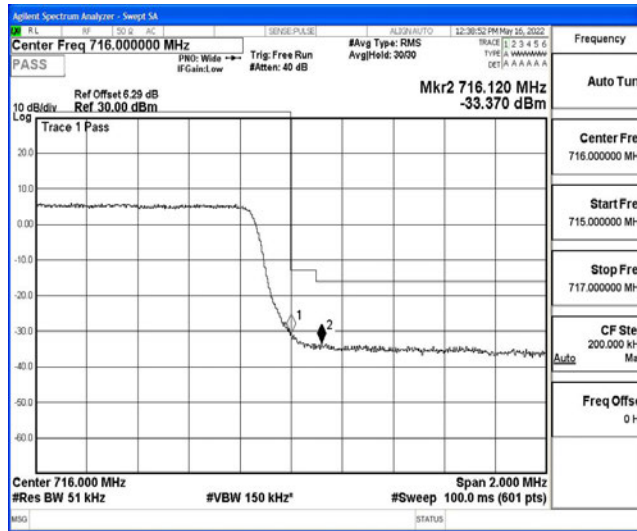


Band12-3MHz-QPSK-23025-15RB#0

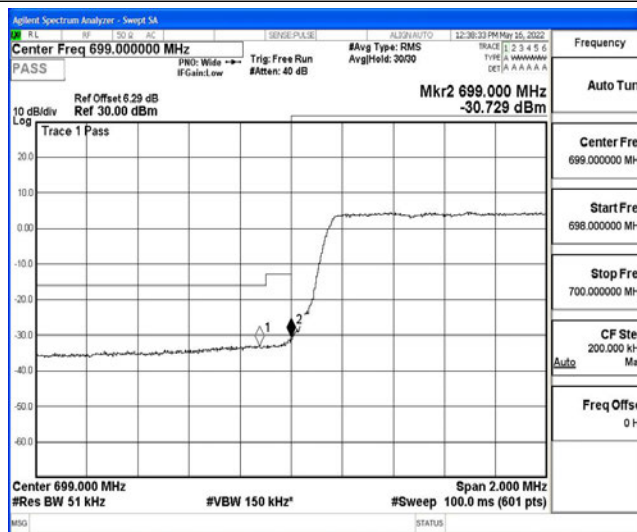




Band12-3MHz-QPSK-23165-15RB#0

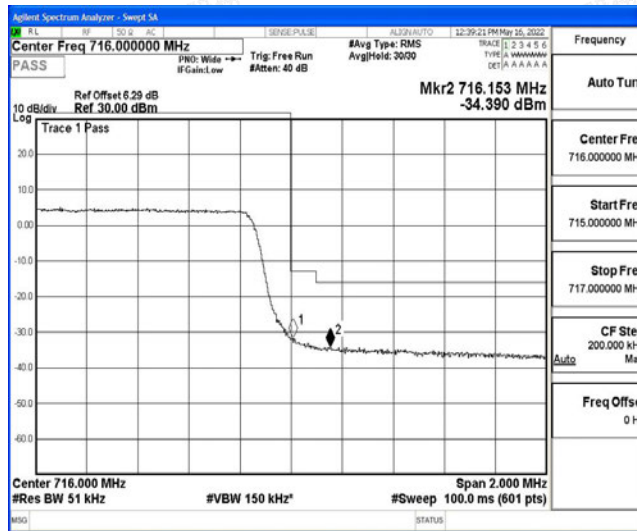


Band12-3MHz-16QAM-23025-15RB#0

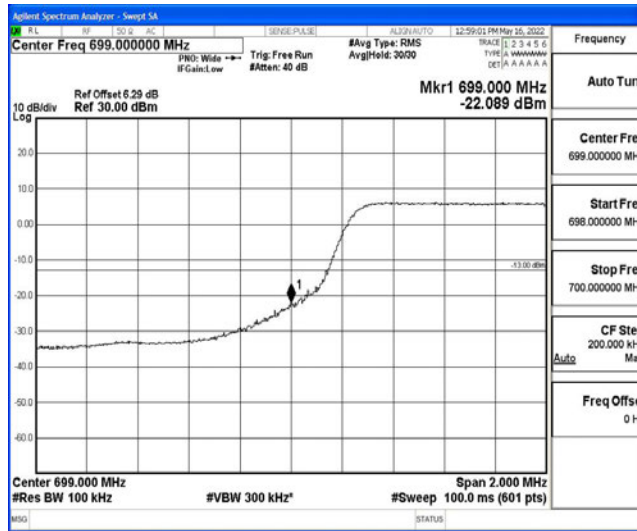


Band12-3MHz-16QAM-23165-15RB#0

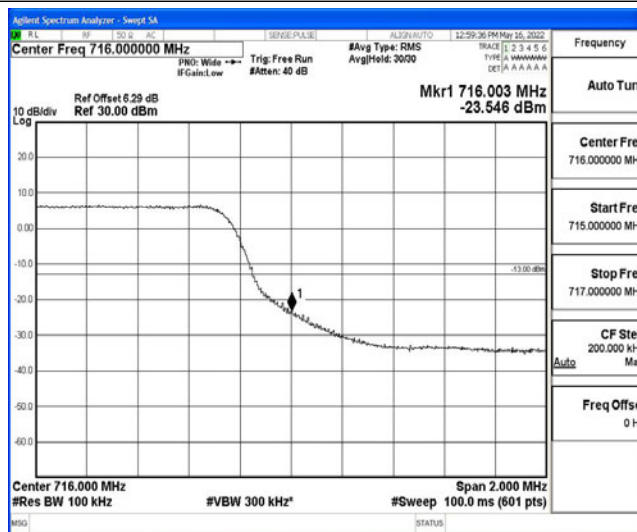




Band12-5MHz-QPSK-23035-25RB#0

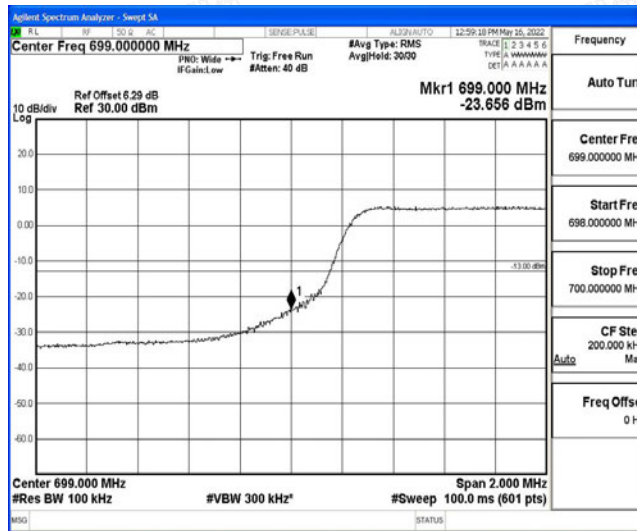


Band12-5MHz-QPSK-23155-25RB#0

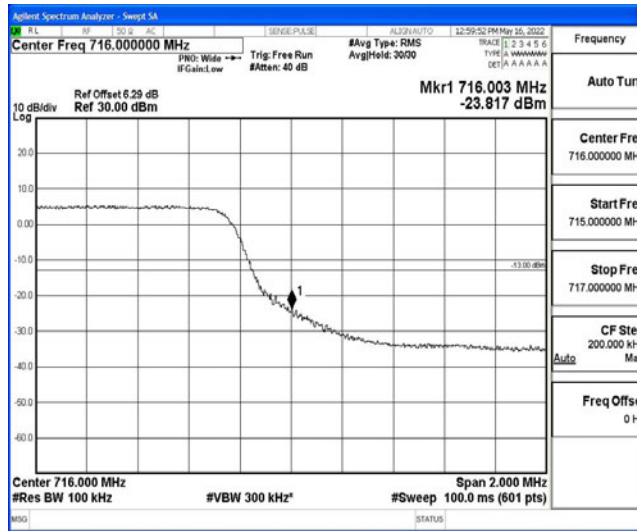


Band12-5MHz-16QAM-23035-25RB#0

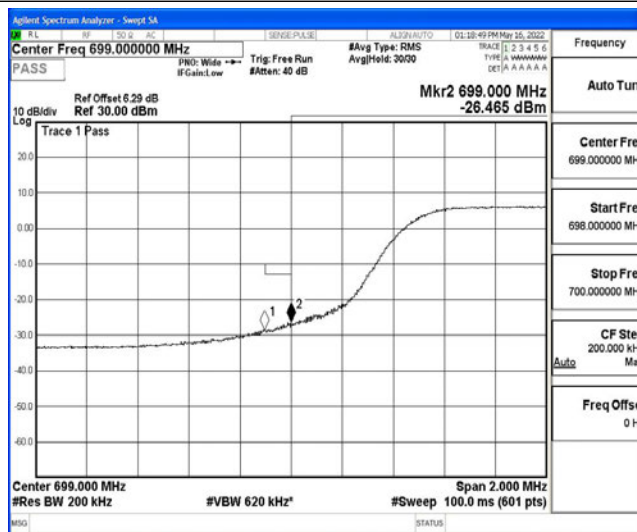




Band12-5MHz-16QAM-23155-25RB#0

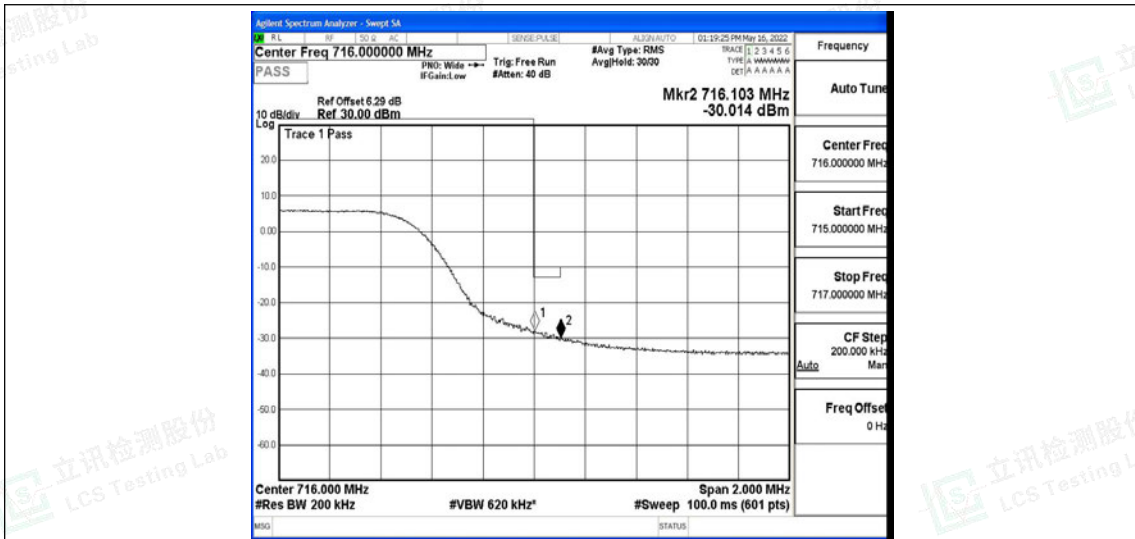


Band12-10MHz-QPSK-23060-50RB#0

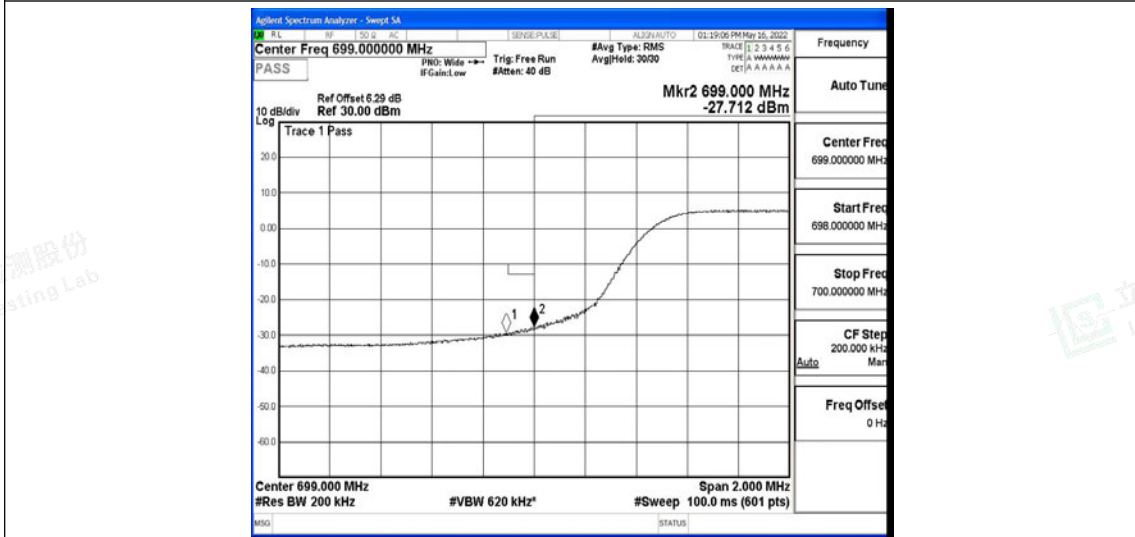


Band12-10MHz-QPSK-23130-50RB#0

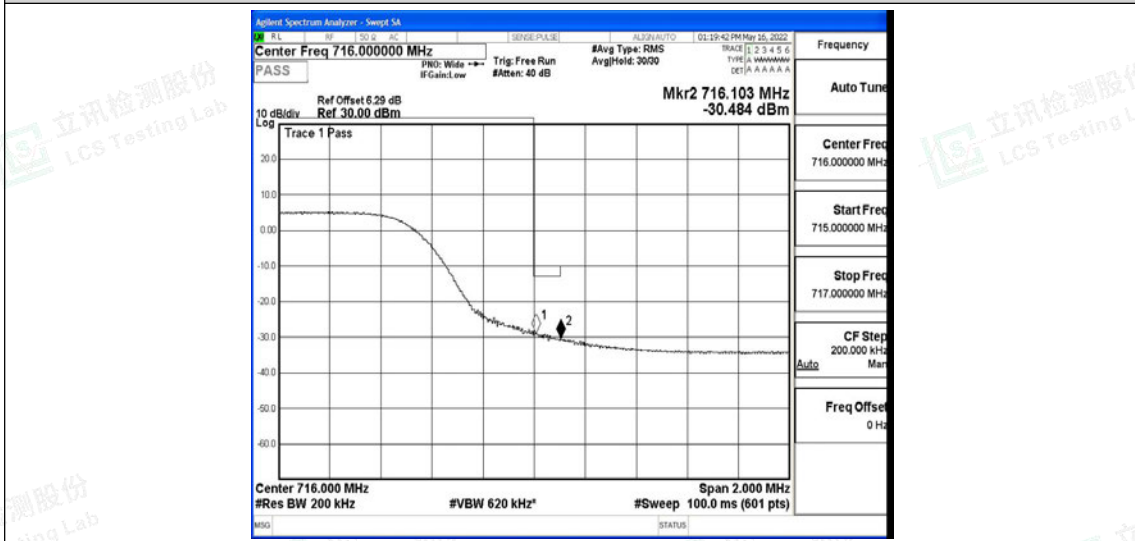




Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-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



L.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	-56.27	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:0.15~30MHz	-50.96	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range3:30~1000MHz	-40.27	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range4:1000~10000MHz	-44.85	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-55.34	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-51.15	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.87	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:0.009~0.15MHz	-56.3	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:0.15~30MHz	-50.43	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range3:30~1000MHz	-41.29	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:0.009~0.15MHz	-55.11	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:0.15~30MHz	-50.66	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range3:30~1000MHz	-41.09	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.11	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-50.5	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.47	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:0.009~0.15MHz	-54.98	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:0.15~30MHz	-51.76	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range3:30~1000MHz	-40.76	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range4:1000~10000MHz	-44.75	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:0.009~0.15MHz	-54.89	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:0.15~30MHz	-48.12	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range3:30~1000MHz	-40.49	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range4:1000~10000MHz	-44.98	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-55.35	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-52.15	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.84	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:0.009~0.15MHz	-55.22	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity



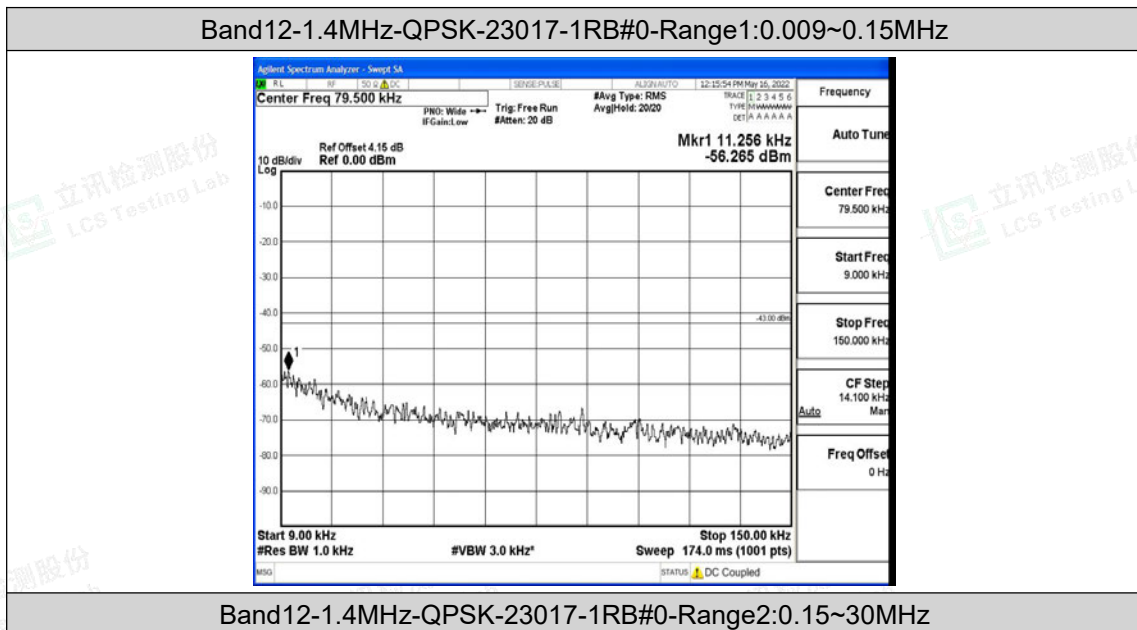
Band12	3MHz	QPSK	23165	1RB#0	Range2:0.15~30MHz	-51.33	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range3:30~1000MHz	-40.63	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range4:1000~10000MHz	-44.79	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:0.009~0.15MHz	-55.26	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:0.15~30MHz	-50.11	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range3:30~1000MHz	-40.93	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range4:1000~10000MHz	-44.82	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-56.35	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-51.07	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.61	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:0.009~0.15MHz	-55.09	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:0.15~30MHz	-52.65	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range3:30~1000MHz	-41.28	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range4:1000~10000MHz	-44.85	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:0.009~0.15MHz	-54.91	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:0.15~30MHz	-48.59	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range3:30~1000MHz	-40.36	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-54.52	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-52.12	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.84	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:0.009~0.15MHz	-54.84	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:0.15~30MHz	-50.9	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range3:30~1000MHz	-41.12	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:0.009~0.15MHz	-55.76	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:0.15~30MHz	-50.1	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range3:30~1000MHz	-41.33	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.36	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-52.29	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-39.7	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:0.009~0.15MHz	-56.01	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:0.15~30MHz	-52.57	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range3:30~1000MHz	-41.05	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range4:1000~10000MHz	-44.84	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:0.009~0.15MHz	-55.48	PASS

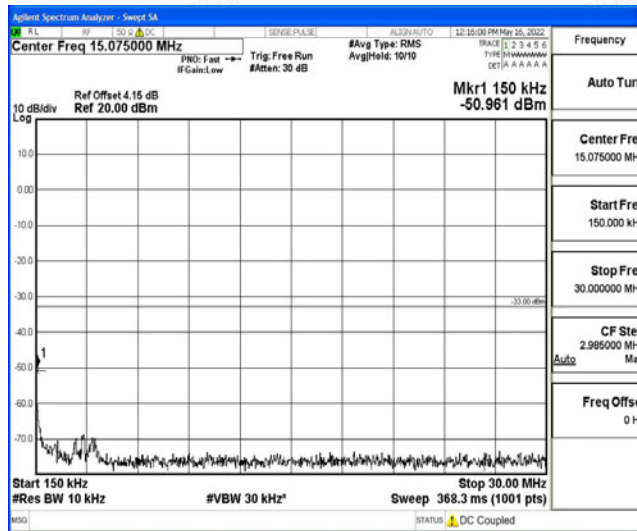




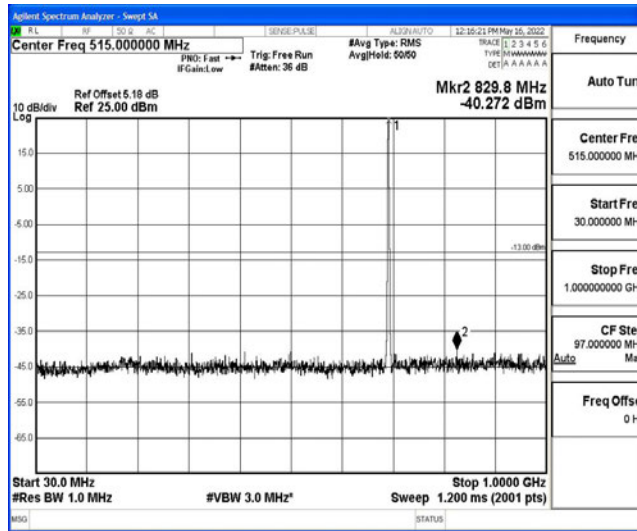
Band12	10MHz	QPSK	23060	1RB#0	Range2:0.15~30MHz	-51.33	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range3:30~1000MHz	-40.06	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-54.36	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-50.99	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.27	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:0.009~0.15MHz	-56.18	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:0.15~30MHz	-51.6	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range3:30~1000MHz	-41.45	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:0.009~0.15MHz	-56.22	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:0.15~30MHz	-52.19	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range3:30~1000MHz	-40.61	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.37	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-48.82	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.37	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:0.009~0.15MHz	-55.62	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:0.15~30MHz	-52.1	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range3:30~1000MHz	-40.15	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range4:1000~10000MHz	-44.87	PASS

Test Graphs

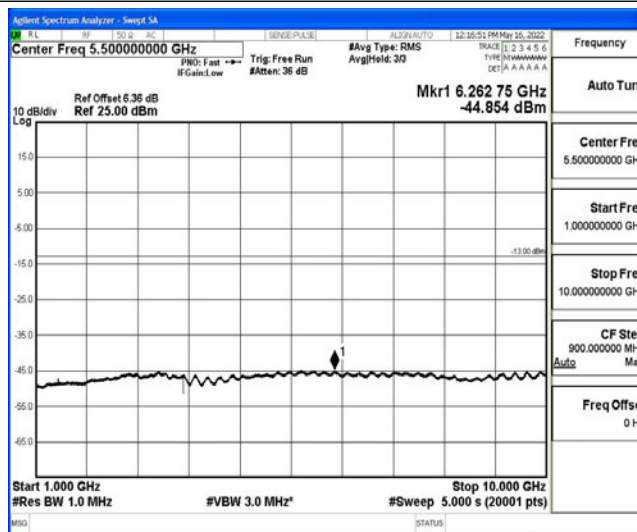




Band12-1.4MHz-QPSK-23017-1RB#0-Range3:30~1000MHz

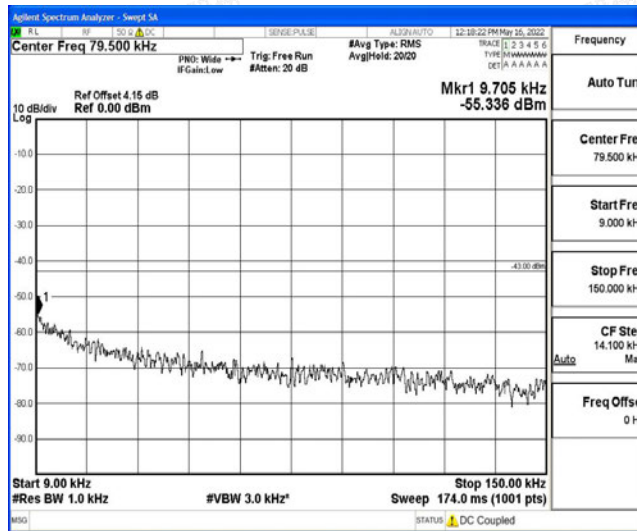


Band12-1.4MHz-QPSK-23017-1RB#0-Range4:1000~10000MHz

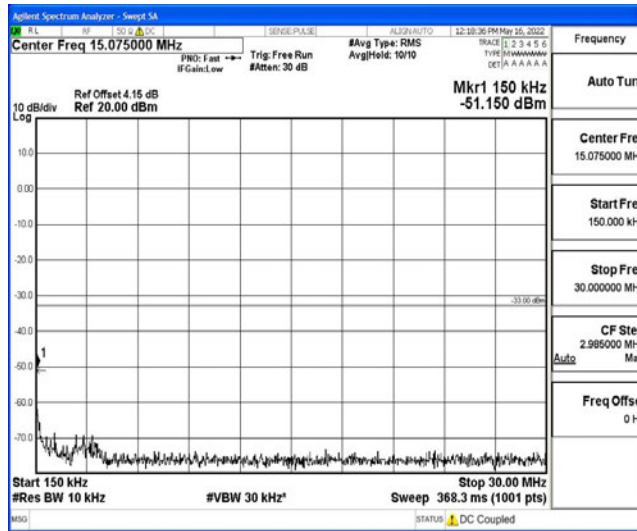


Band12-1.4MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz

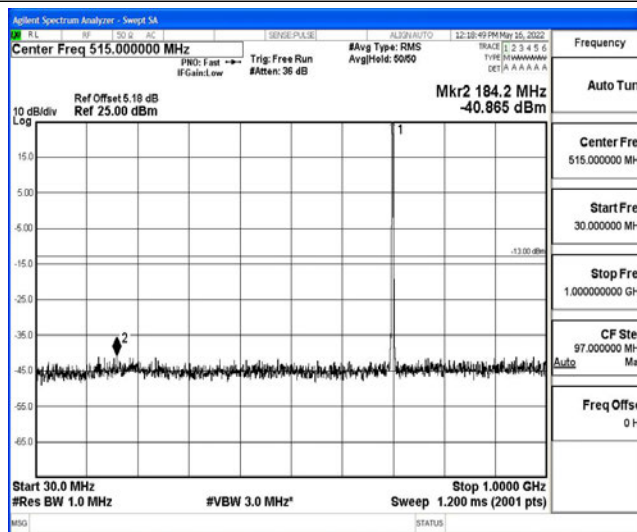




Band12-1.4MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



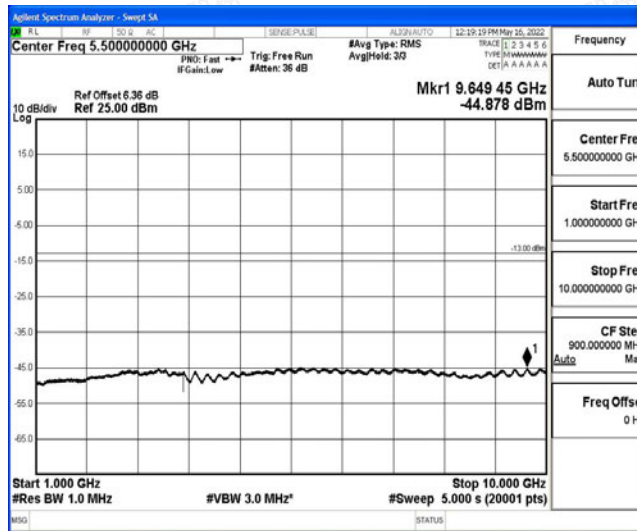
Band12-1.4MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



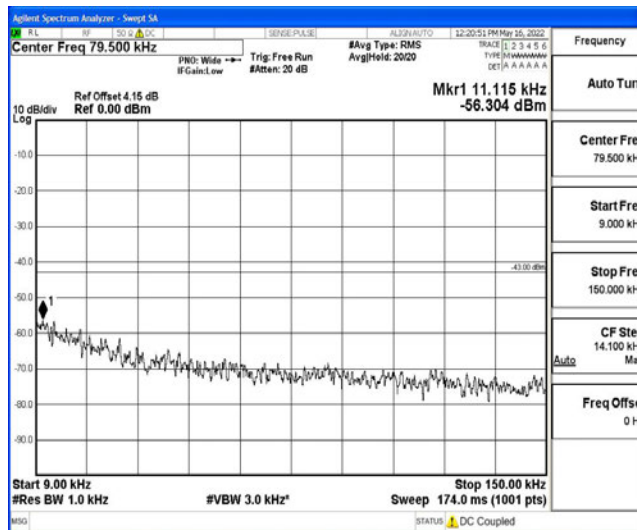
Band12-1.4MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz



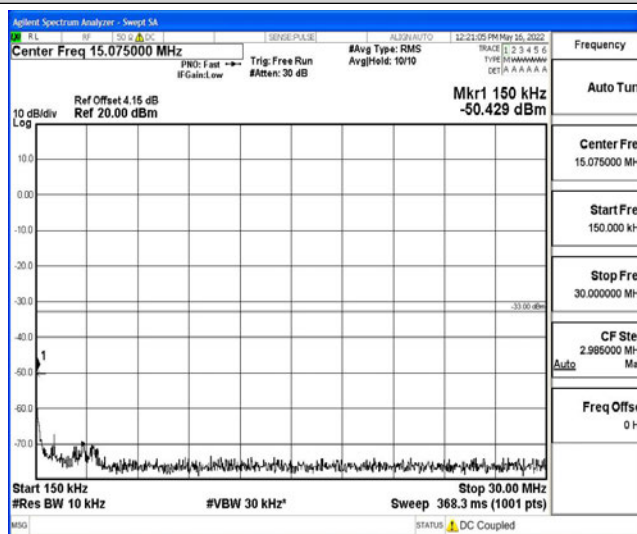
Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity



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

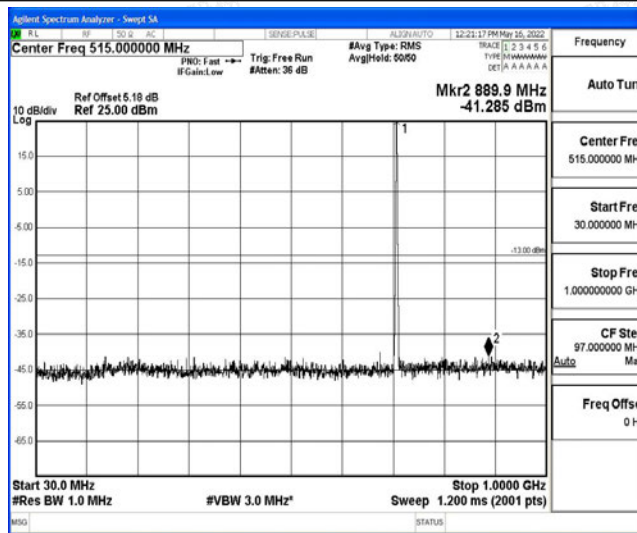


Band12-1.4MHz-QPSK-23173-1RB#0-Range2:0.15~30MHz

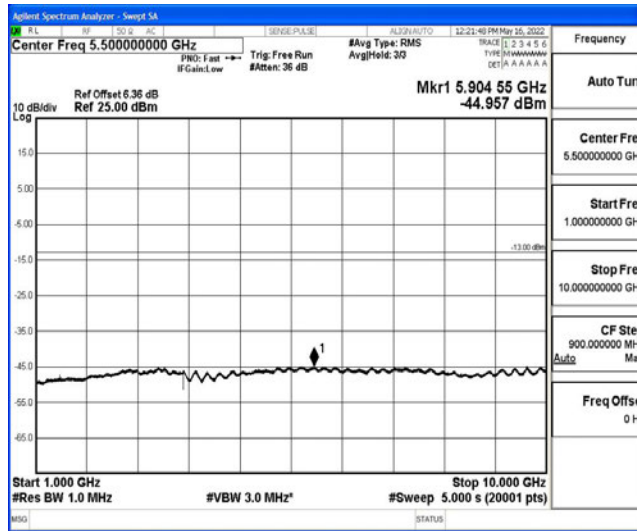


Band12-1.4MHz-QPSK-23173-1RB#0-Range3:30~1000MHz

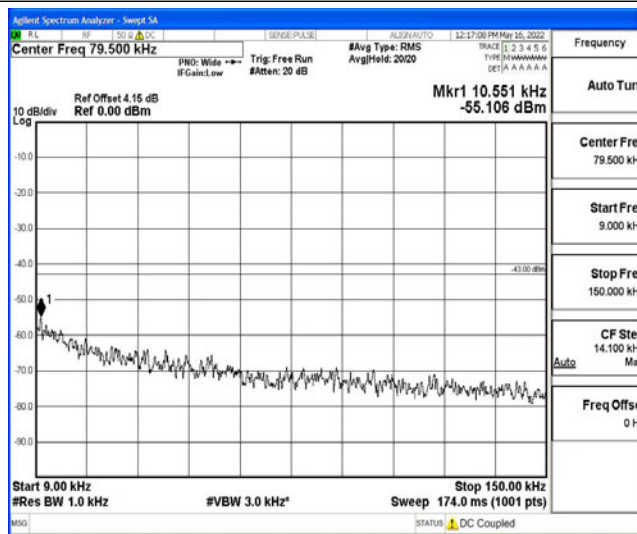




Band12-1.4MHz-QPSK-23173-1RB#0-Range4:1000~10000MHz

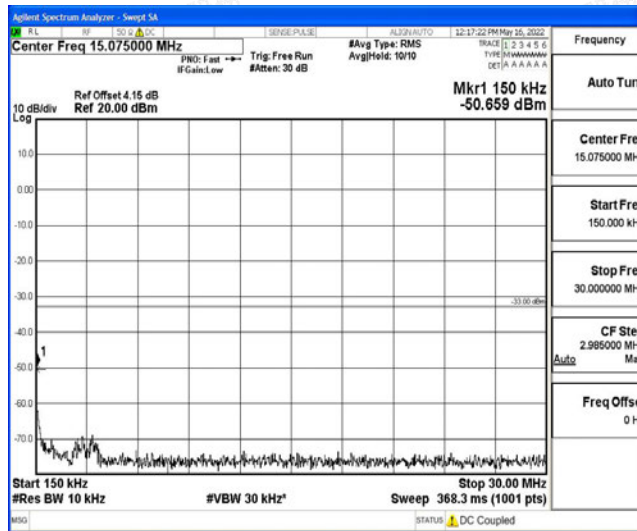


Band12-1.4MHz-16QAM-23017-1RB#0-Range1:0.009~0.15MHz

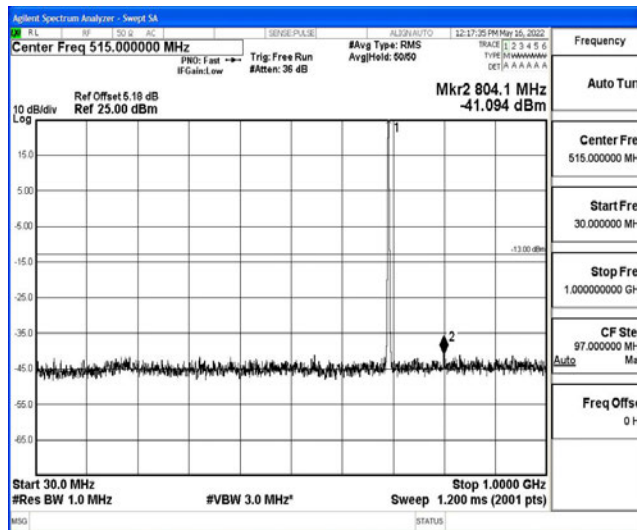


Band12-1.4MHz-16QAM-23017-1RB#0-Range2:0.15~30MHz

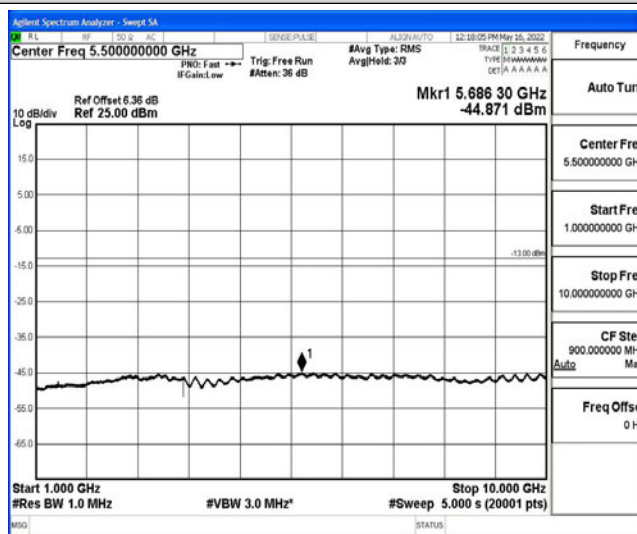




Band12-1.4MHz-16QAM-23017-1RB#0-Range3:30~1000MHz

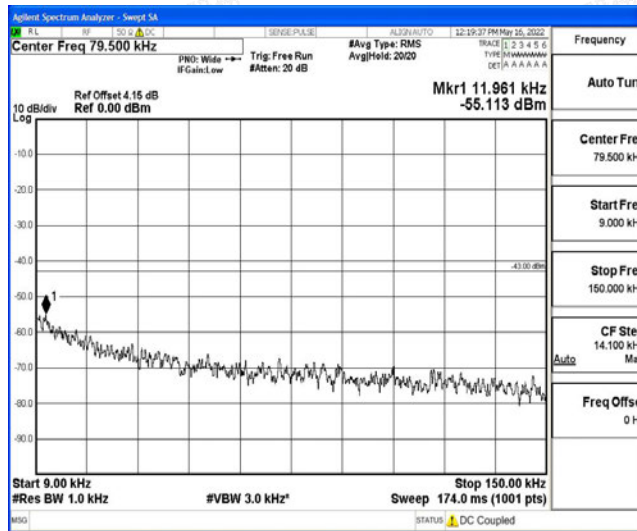


Band12-1.4MHz-16QAM-23017-1RB#0-Range4:1000~10000MHz

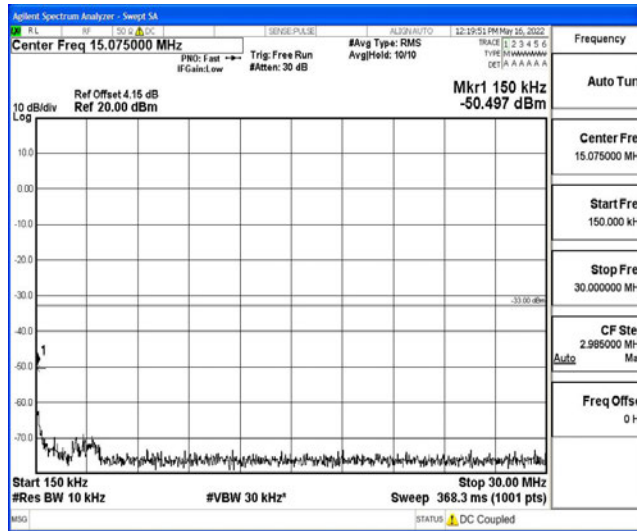


Band12-1.4MHz-16QAM-23095-1RB#0-Range1:0.009~0.15MHz

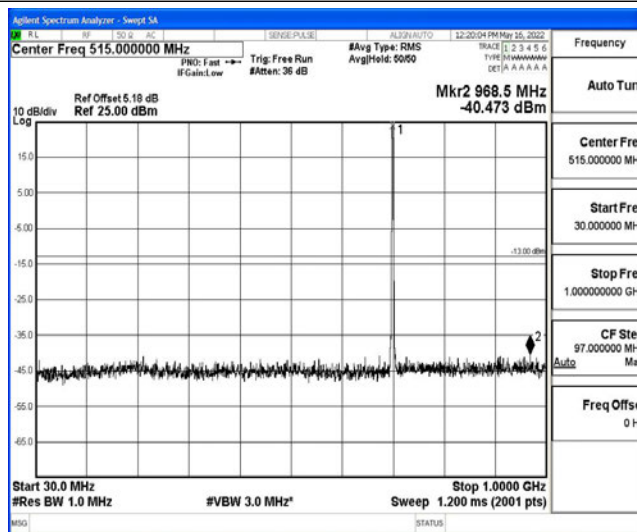




Band12-1.4MHz-16QAM-23095-1RB#0-Range2:0.15~30MHz

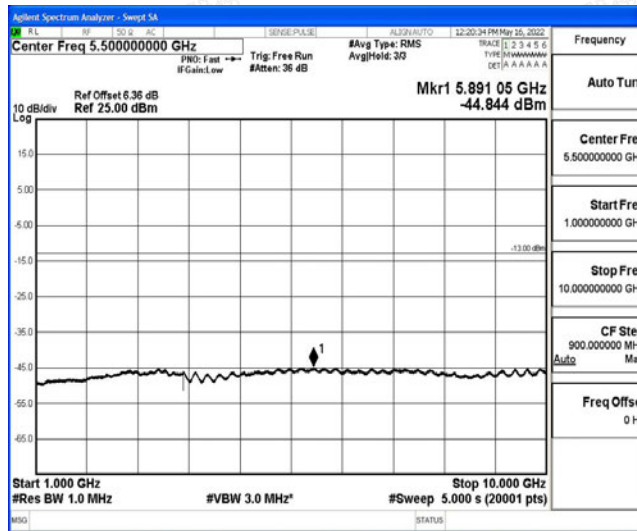


Band12-1.4MHz-16QAM-23095-1RB#0-Range3:30~1000MHz

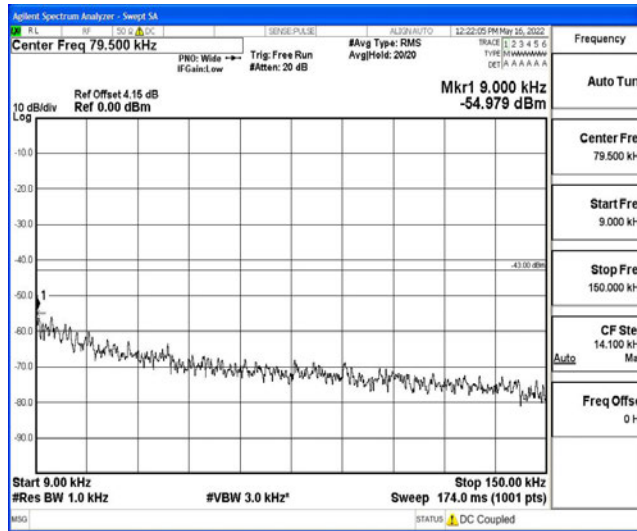


Band12-1.4MHz-16QAM-23095-1RB#0-Range4:1000~10000MHz

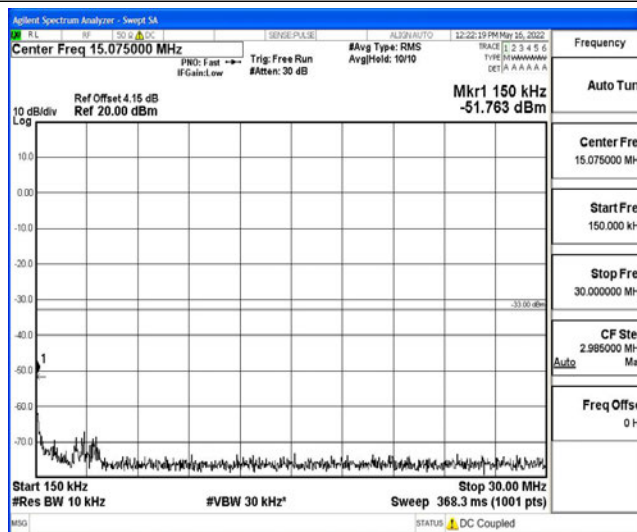




Band12-1.4MHz-16QAM-23173-1RB#0-Range1:0.009~0.15MHz

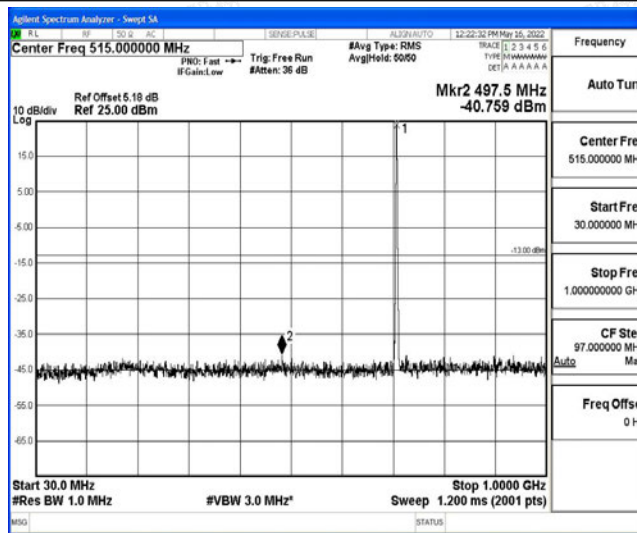


Band12-1.4MHz-16QAM-23173-1RB#0-Range2:0.15~30MHz

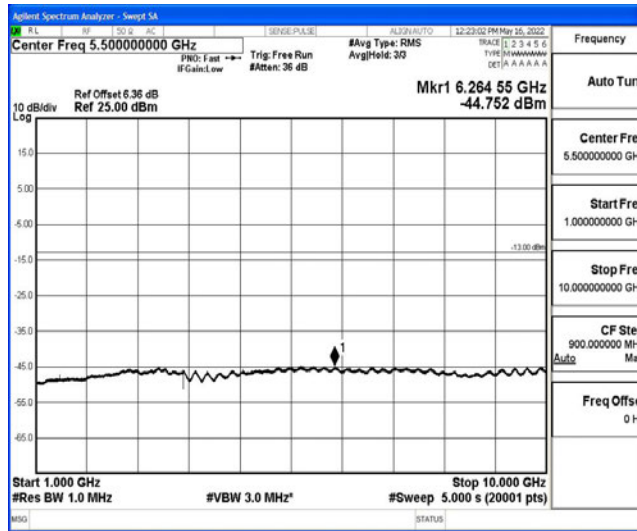


Band12-1.4MHz-16QAM-23173-1RB#0-Range3:30~1000MHz

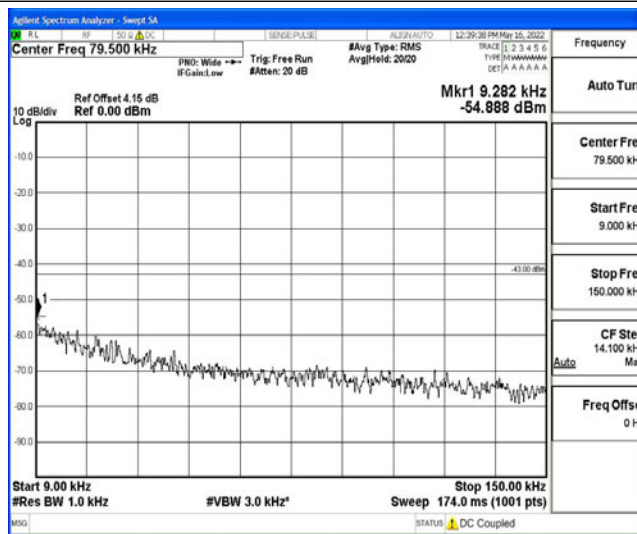




Band12-1.4MHz-16QAM-23173-1RB#0-Range4:1000~10000MHz

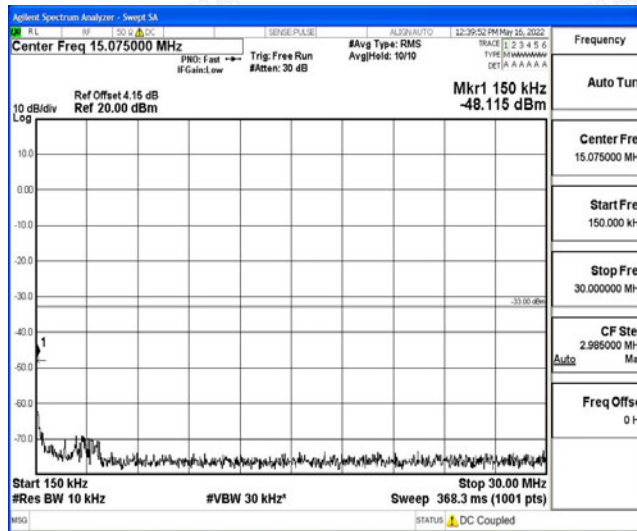


Band12-3MHz-QPSK-23025-1RB#0-Range1:0.009~0.15MHz

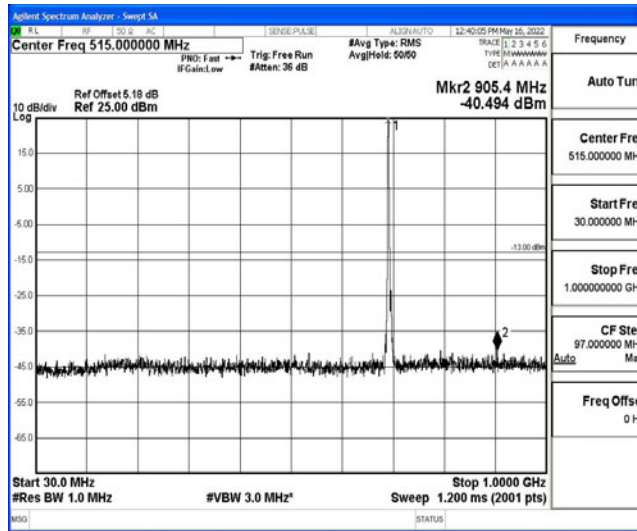


Band12-3MHz-QPSK-23025-1RB#0-Range2:0.15~30MHz

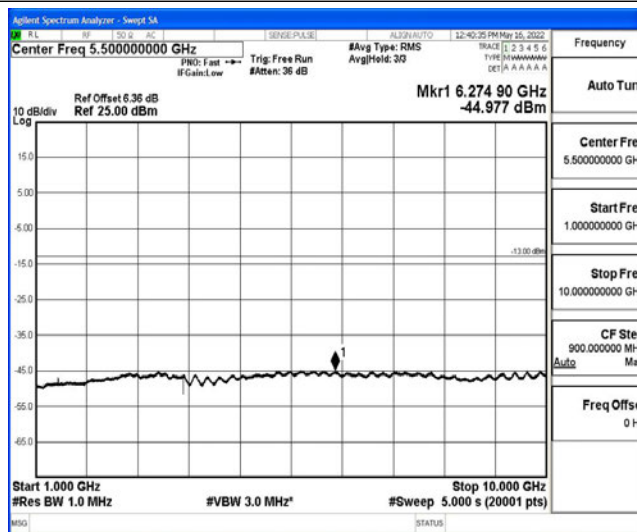




Band12-3MHz-QPSK-23025-1RB#0-Range3:30~1000MHz

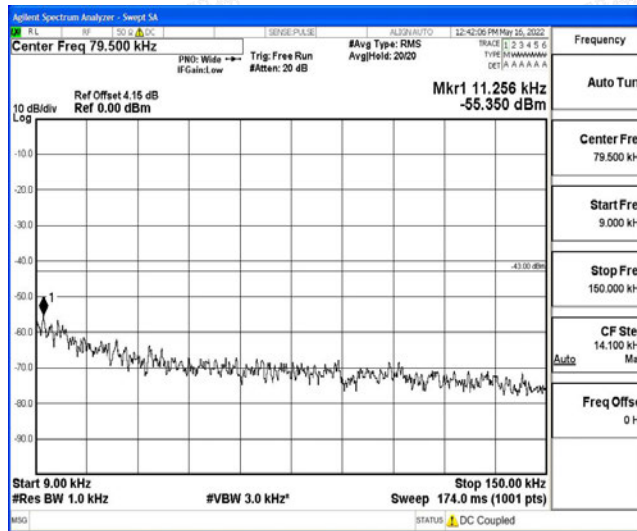


Band12-3MHz-QPSK-23025-1RB#0-Range4:1000~10000MHz

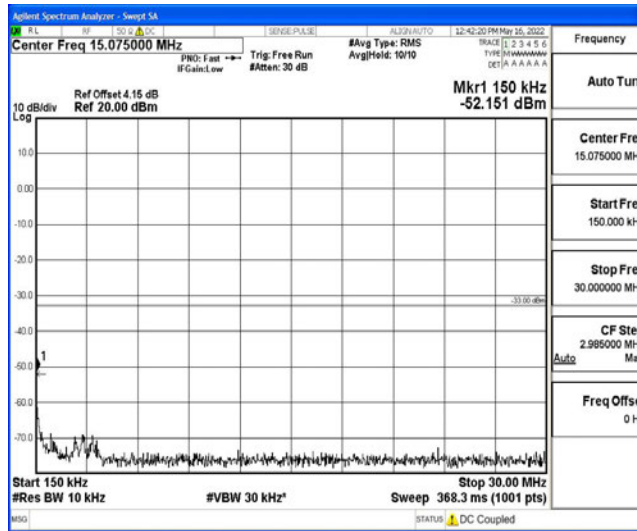


Band12-3MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz

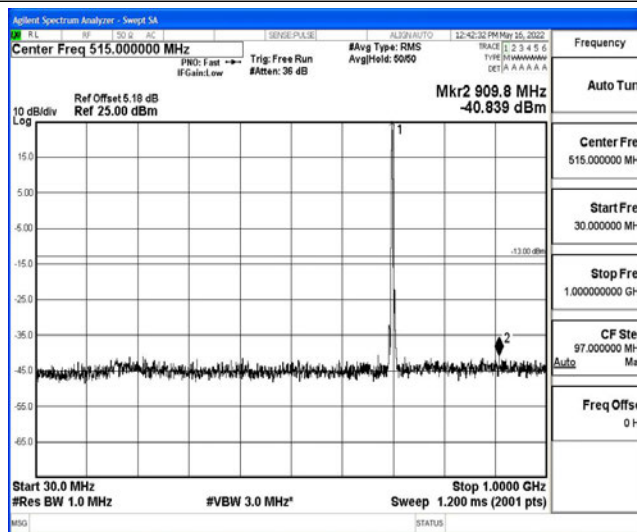




Band12-3MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz

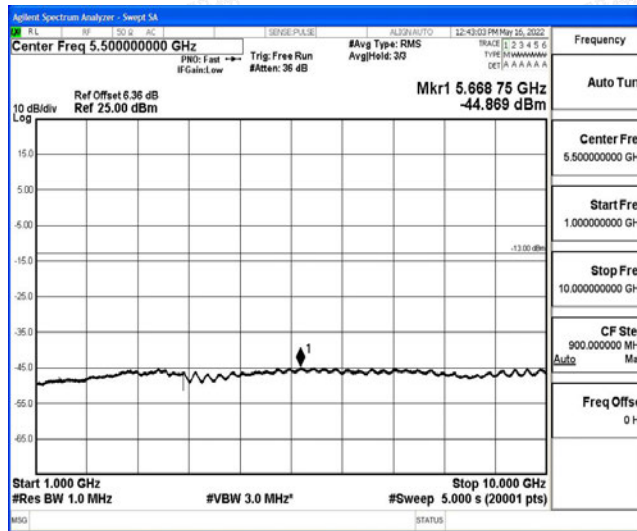


Band12-3MHz-QPSK-23095-1RB#0-Range3:30~1000MHz

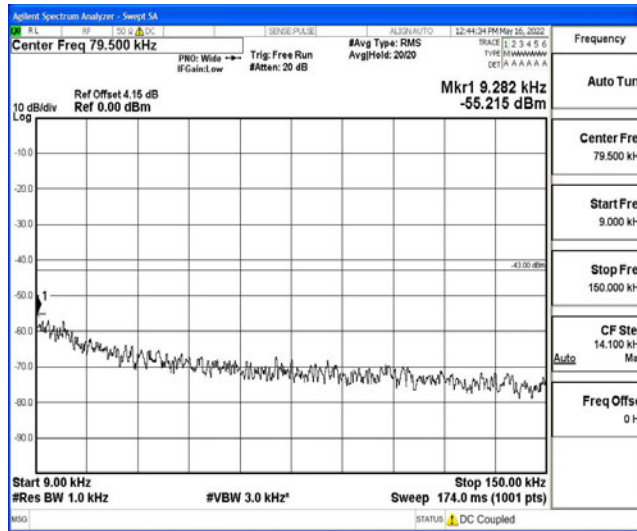


Band12-3MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz

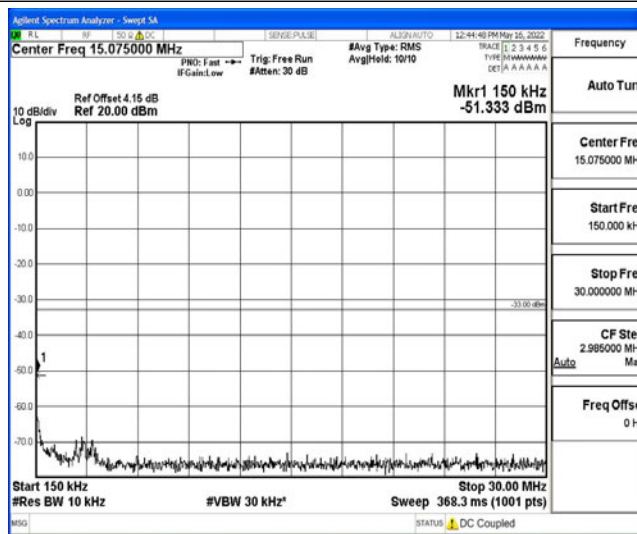




Band12-3MHz-QPSK-23165-1RB#0-Range1:0.009~0.15MHz

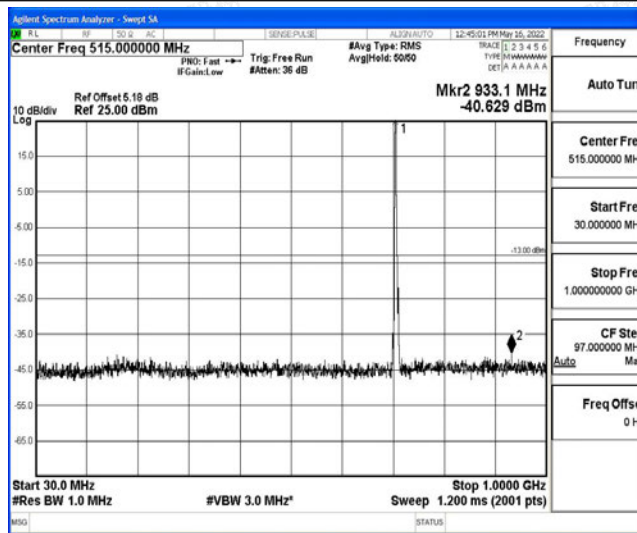


Band12-3MHz-QPSK-23165-1RB#0-Range2:0.15~30MHz

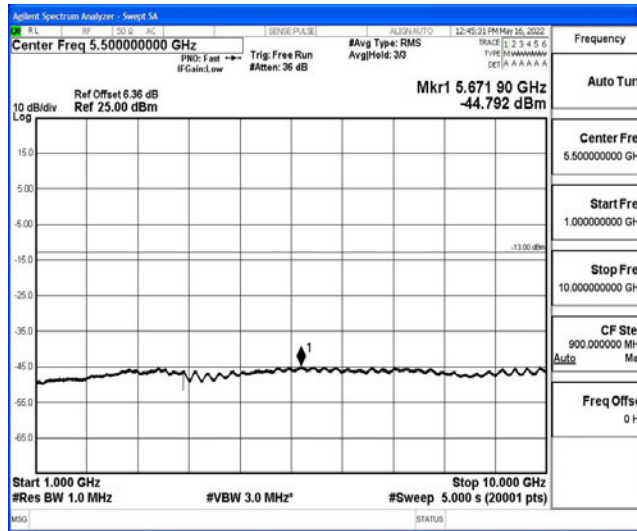


Band12-3MHz-QPSK-23165-1RB#0-Range3:30~1000MHz

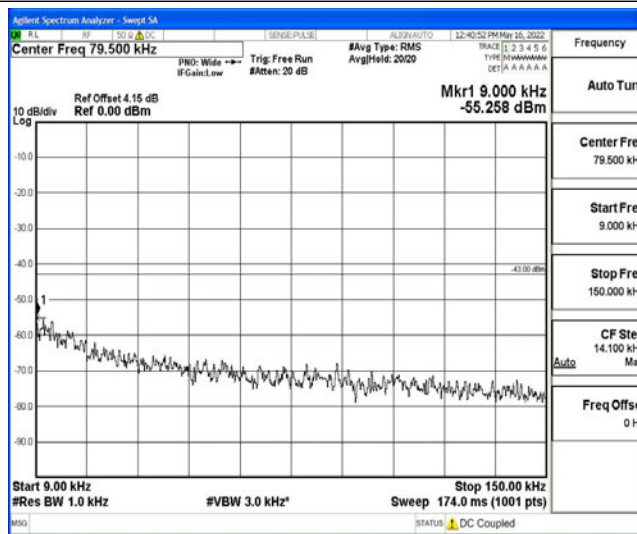




Band12-3MHz-QPSK-23165-1RB#0-Range4:1000~10000MHz

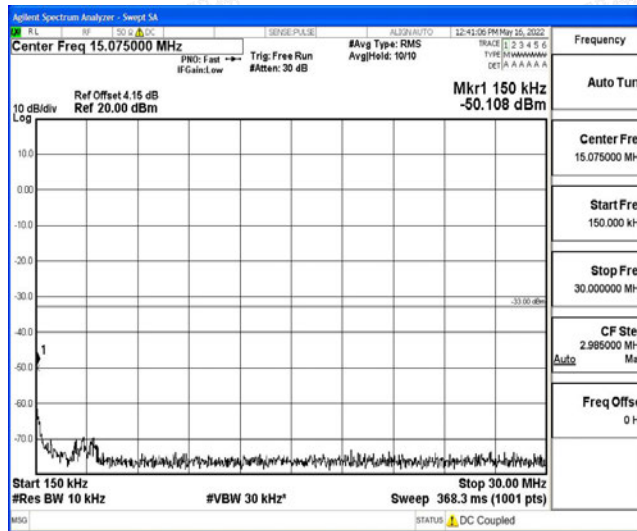


Band12-3MHz-16QAM-23025-1RB#0-Range1:0.009~0.15MHz

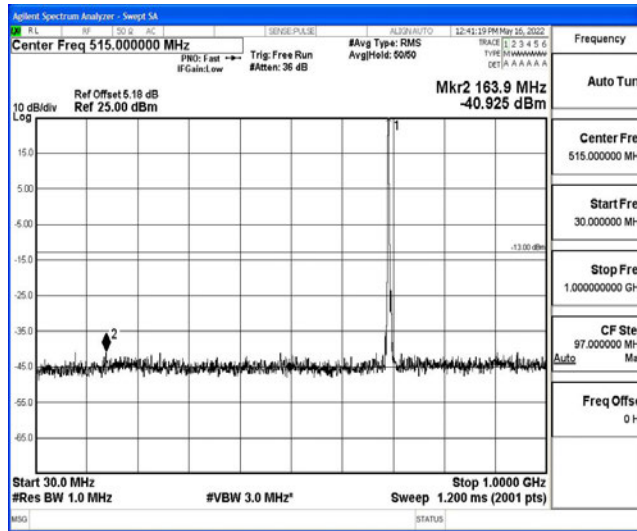


Band12-3MHz-16QAM-23025-1RB#0-Range2:0.15~30MHz

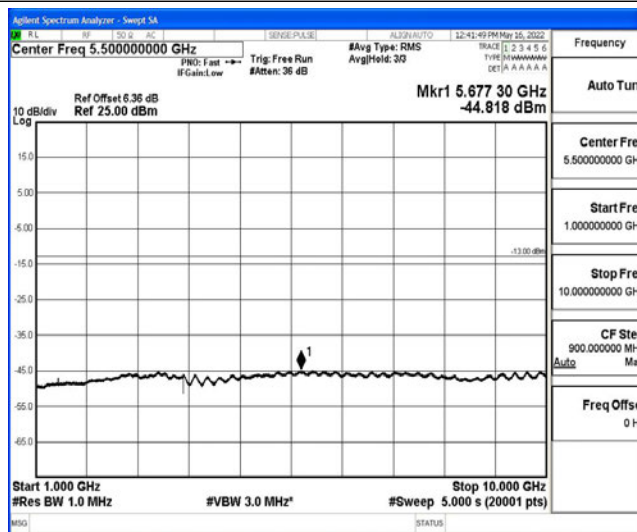




Band12-3MHz-16QAM-23025-1RB#0-Range3:30~1000MHz



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



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

