Appendix D Test Data for E-UTRA Band 12

Product Name: Body weight scale
Test Model: U30A

Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan

D.1 Effective (Isotropic) Radiated Power Output Data for M1

Test Result

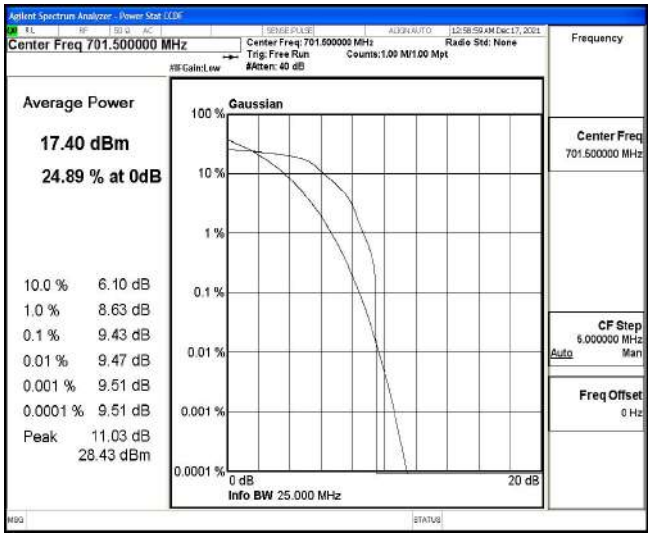
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dBm)	Verdict
Band12	5MHz	23035	QPSK	1	0	Low	22.25	PASS
Band12	5MHz	23035	QPSK	1	5	Low	22.14	PASS
Band12	5MHz	23035	QPSK	6	0	Low	22.00	PASS
Band12	5MHz	23095	QPSK	1	0	Low	22.17	PASS
Band12	5MHz	23095	QPSK	1	5	Low	22.93	PASS
Band12	5MHz	23095	QPSK	6	0	Low	22.82	PASS
Band12	5MHz	23155	QPSK	1	0	High	20.43	PASS
Band12	5MHz	23155	QPSK	1	5	High	22.03	PASS
Band12	5MHz	23155	QPSK	6	0	High	22.46	PASS
Band12	5MHz	23035	16QAM	1	0	Low	20.45	PASS
Band12	5MHz	23035	16QAM	1	5	Low	20.34	PASS
Band12	5MHz	23035	16QAM	6	0	Low	21.89	PASS
Band12	5MHz	23095	16QAM	1	0	Low	21.28	PASS
Band12	5MHz	23095	16QAM	1	5	Low	21.06	PASS
Band12	5MHz	23095	16QAM	6	0	Low	21.74	PASS
Band12	5MHz	23155	16QAM	1	0	High	21.11	PASS
Band12	5MHz	23155	16QAM	1	5	High	21.39	PASS
Band12	5MHz	23155	16QAM	6	0	High	21.98	PASS
Band12	10MHz	23060	QPSK	1	0	Low	20.35	PASS
Band12	10MHz	23060	QPSK	1	5	Low	21.98	PASS
Band12	10MHz	23060	QPSK	6	0	Low	21.94	PASS
Band12	10MHz	23095	QPSK	1	0	Low	20.31	PASS
Band12	10MHz	23095	QPSK	1	5	Low	21.07	PASS
Band12	10MHz	23095	QPSK	6	0	Low	21.02	PASS
Band12	10MHz	23130	QPSK	1	0	High	20.34	PASS
Band12	10MHz	23130	QPSK	1	5	High	21.09	PASS
Band12	10MHz	23130	QPSK	6	0	High	21.00	PASS
Band12	10MHz	23060	16QAM	1	0	Low	20.48	PASS
Band12	10MHz	23060	16QAM	1	5	Low	21.21	PASS
Band12	10MHz	23060	16QAM	6	0	Low	21.03	PASS
Band12	10MHz	23095	16QAM	1	0	Low	20.50	PASS
Band12	10MHz	23095	16QAM	1	5	Low	20.30	PASS
Band12	10MHz	23095	16QAM	6	0	Low	21.78	PASS
Band12	10MHz	23130	16QAM	1	0	High	20.44	PASS
Band12	10MHz	23130	16QAM	1	5	High	20.31	PASS
Band12	10MHz	23130	16QAM	6	0	High	21.01	PASS

D.2 Peak-to-Average Ratio(CCDF) for M1

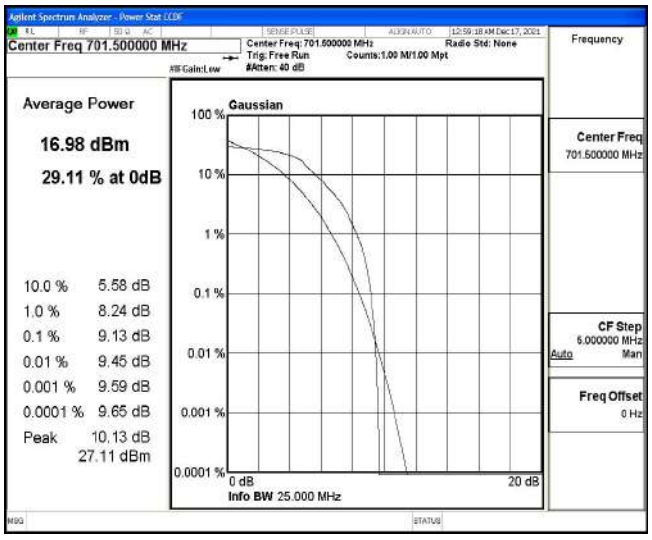
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band12	5MHz	23035	QPSK	1	0	Low	9.43	<=13	PASS
Band12	5MHz	23035	QPSK	6	0	Low	9.13	<=13	PASS
Band12	5MHz	23095	QPSK	1	0	Low	7.47	<=13	PASS
Band12	5MHz	23095	QPSK	6	0	Low	9.00	<=13	PASS
Band12	5MHz	23155	QPSK	1	0	High	8.33	<=13	PASS
Band12	5MHz	23155	QPSK	6	0	High	8.46	<=13	PASS
Band12	5MHz	23035	16QAM	1	0	Low	8.92	<=13	PASS
Band12	5MHz	23035	16QAM	6	0	Low	8.85	<=13	PASS
Band12	5MHz	23095	16QAM	1	0	Low	9.81	<=13	PASS
Band12	5MHz	23095	16QAM	6	0	Low	8.98	<=13	PASS
Band12	5MHz	23155	16QAM	1	0	High	8.78	<=13	PASS
Band12	5MHz	23155	16QAM	6	0	High	10.60	<=13	PASS
Band12	10MHz	23060	QPSK	1	0	Low	8.24	<=13	PASS
Band12	10MHz	23060	QPSK	6	0	Low	10.17	<=13	PASS
Band12	10MHz	23095	QPSK	1	0	Low	9.01	<=13	PASS
Band12	10MHz	23095	QPSK	6	0	Low	9.92	<=13	PASS
Band12	10MHz	23130	QPSK	1	0	High	9.03	<=13	PASS
Band12	10MHz	23130	QPSK	6	0	High	10.26	<=13	PASS
Band12	10MHz	23060	16QAM	1	0	Low	11.22	<=13	PASS
Band12	10MHz	23060	16QAM	6	0	Low	9.99	<=13	PASS
Band12	10MHz	23095	16QAM	1	0	Low	10.02	<=13	PASS
Band12	10MHz	23095	16QAM	6	0	Low	10.12	<=13	PASS
Band12	10MHz	23130	16QAM	1	0	High	9.90	<=13	PASS
Band12	10MHz	23130	16QAM	6	0	High	8.92	<=13	PASS

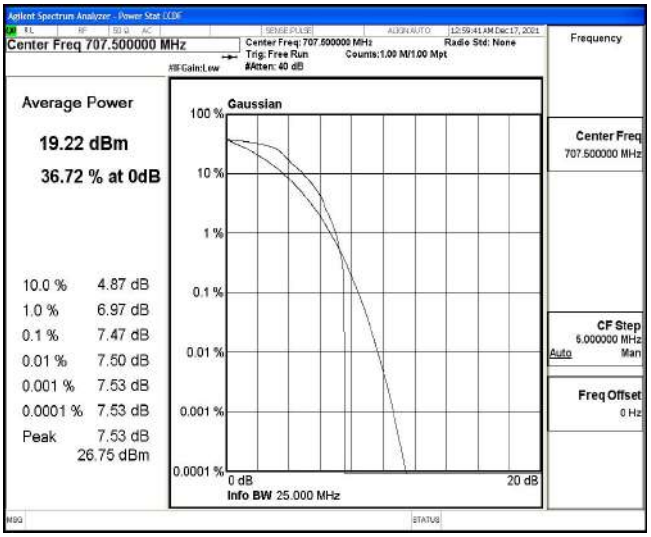
Test Graphs



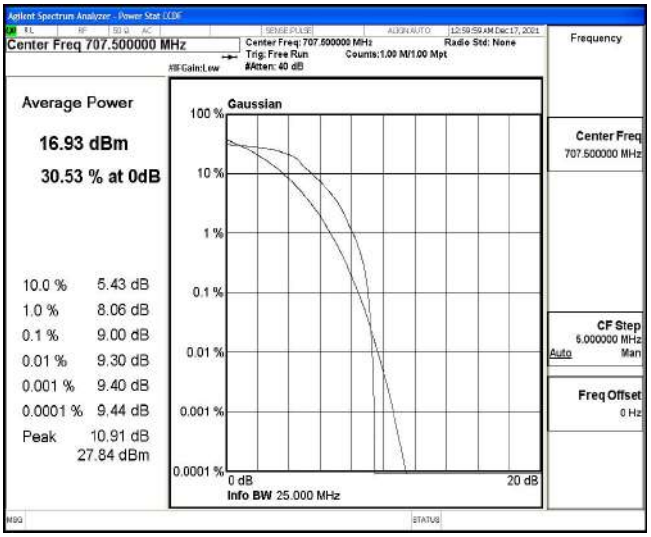
Band12-5MHz-QPSK-23035-1-0-Low-9.43-<=13-PASS



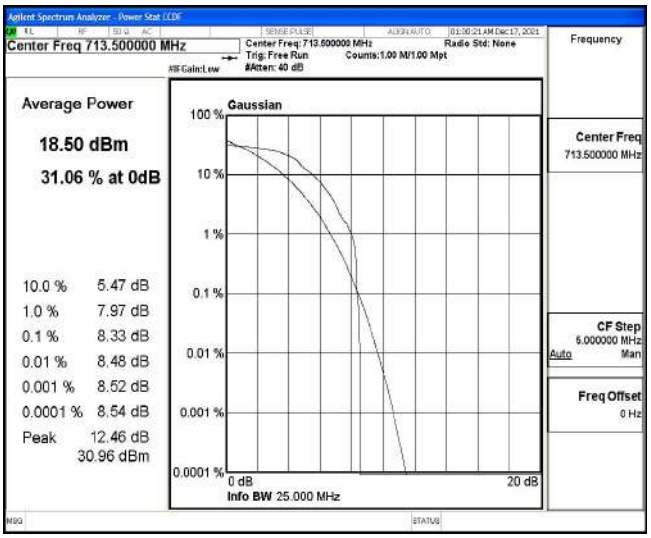
Band12-5MHz-QPSK-23035-6-0-Low-9.13-<=13-PASS



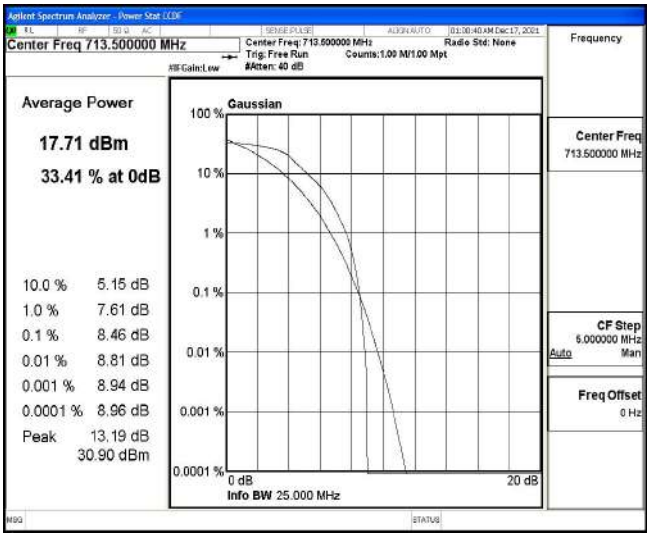
Band12-5MHz-QPSK-23095-1-0-Low-7.47-<=13-PASS



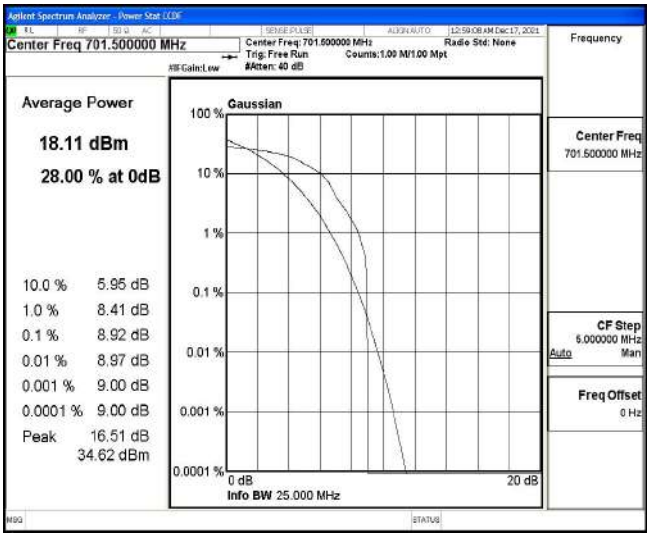
Band12-5MHz-QPSK-23095-6-0-Low-9.00-<=13-PASS



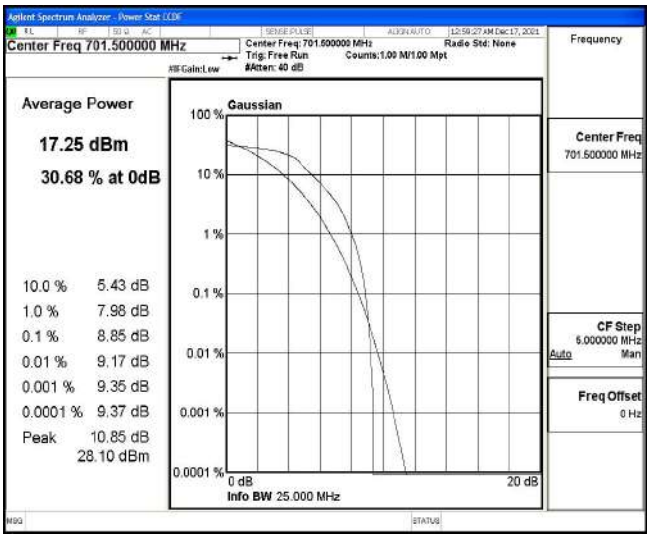
Band12-5MHz-QPSK-23155-1-0-High-8.33-<=13-PASS



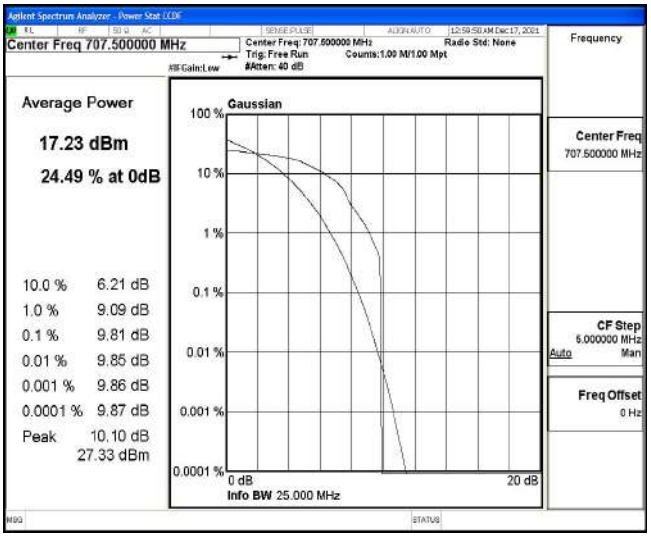
Band12-5MHz-QPSK-23155-6-0-High-8.46-<=13-PASS



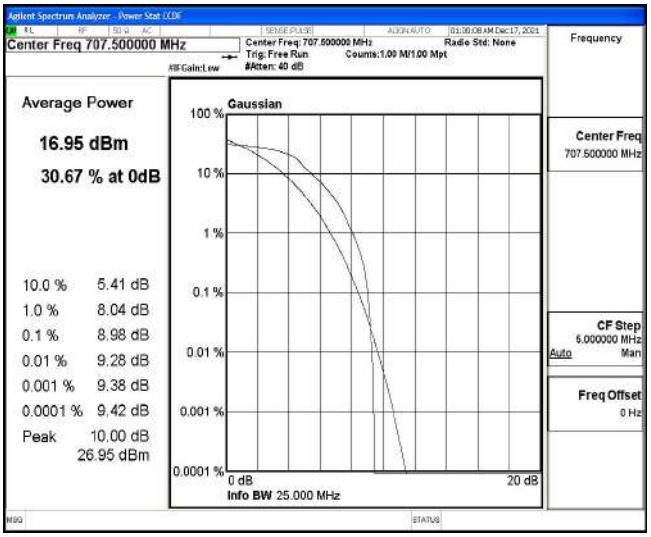
Band12-5MHz-16QAM-23035-1-0-Low-8.92-<=13-PASS



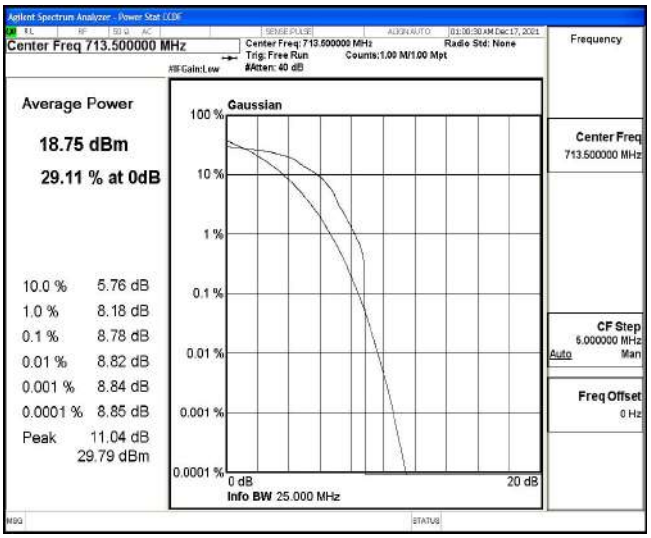
Band12-5MHz-16QAM-23035-6-0-Low-8.85-<=13-PASS



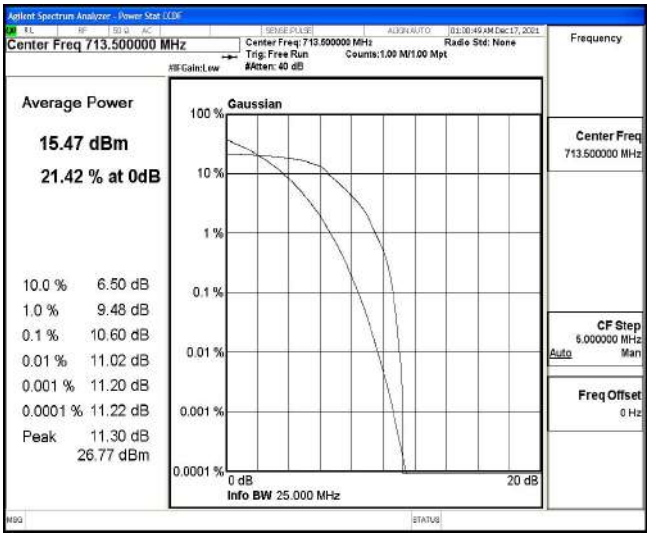
Band12-5MHz-16QAM-23095-1-0-Low-9.81-<=13-PASS



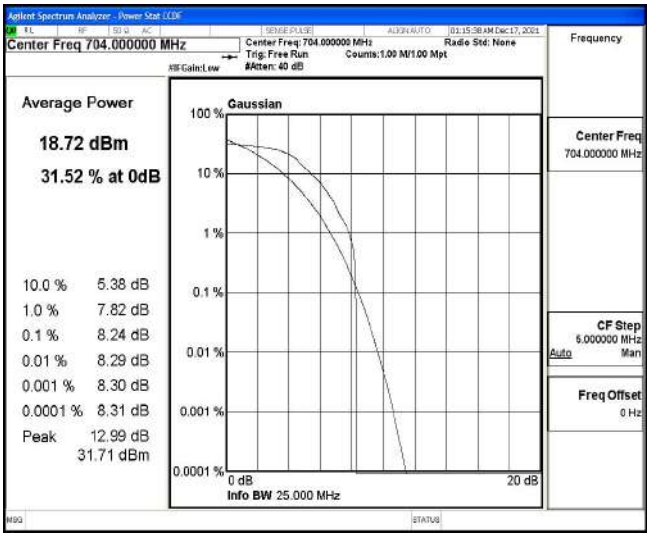
Band12-5MHz-16QAM-23095-6-0-Low-8.98-<=13-PASS



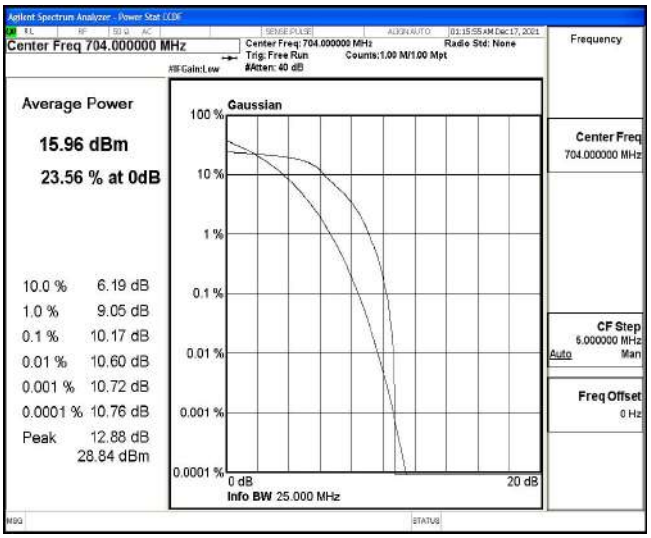
Band12-5MHz-16QAM-23155-1-0-High-8.78-<=13-PASS



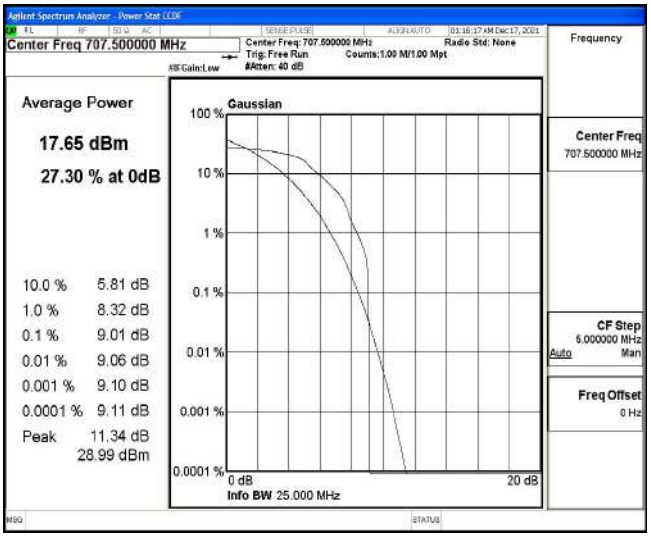
Band12-5MHz-16QAM-23155-6-0-High-10.60-<=13-PASS



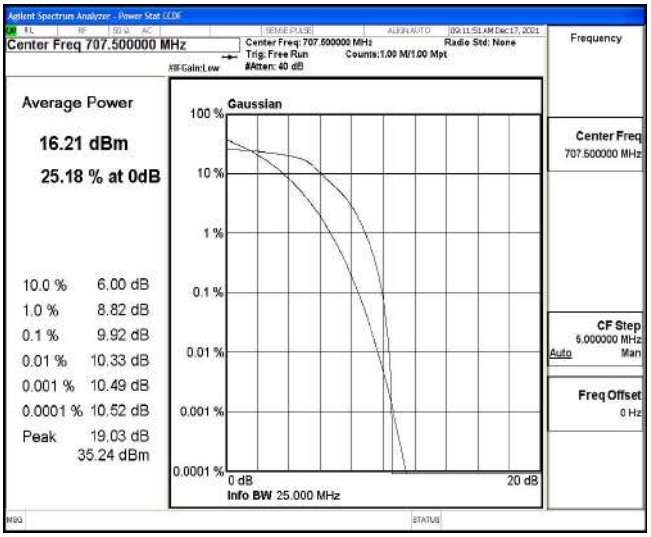
Band12-10MHz-QPSK-23060-1-0-Low-8.24-<=13-PASS



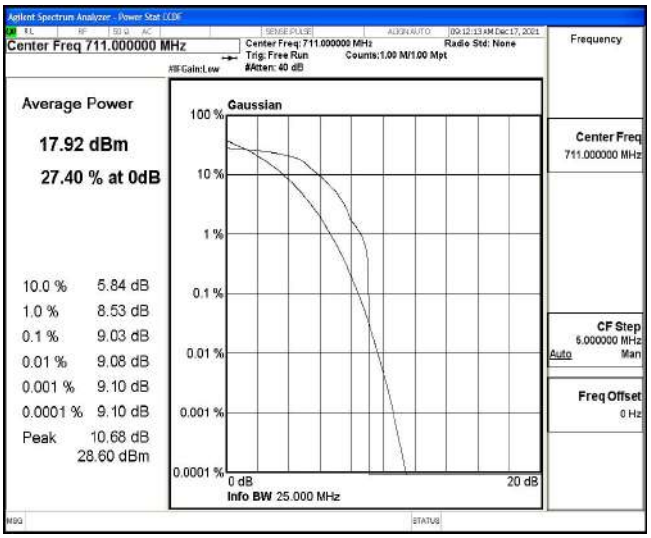
Band12-10MHz-QPSK-23060-6-0-Low-10.17-<=13-PASS



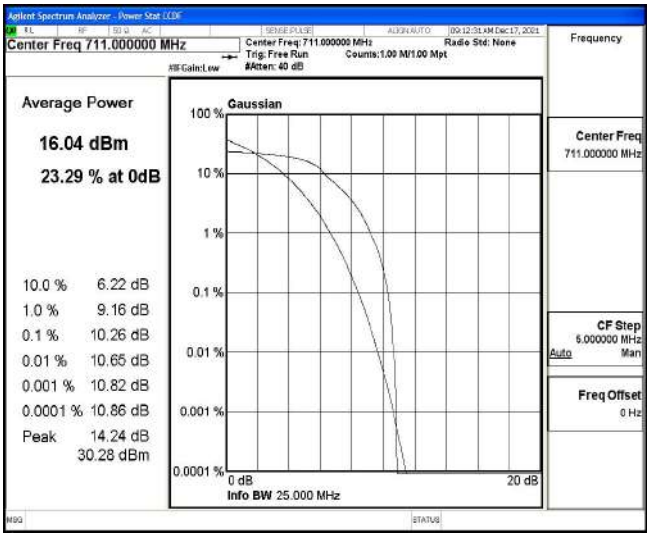
Band12-10MHz-QPSK-23095-1-0-Low-9.01-<=13-PASS



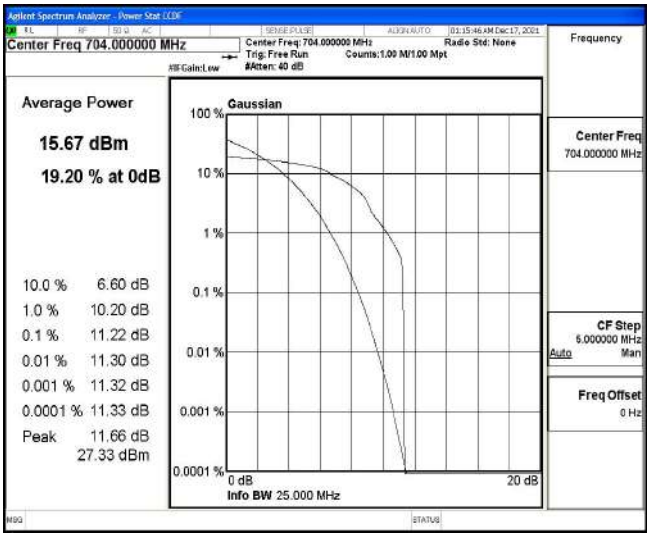
Band12-10MHz-QPSK-23095-6-0-Low-9.92-<=13-PASS



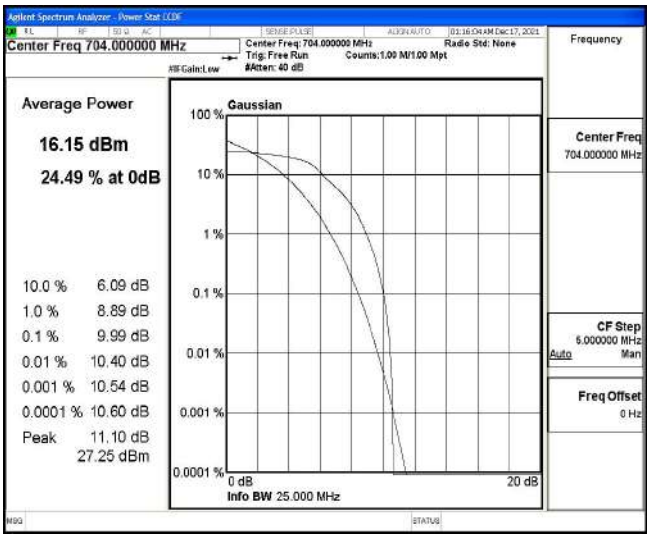
Band12-10MHz-QPSK-23130-1-0-High-9.03-<=13-PASS



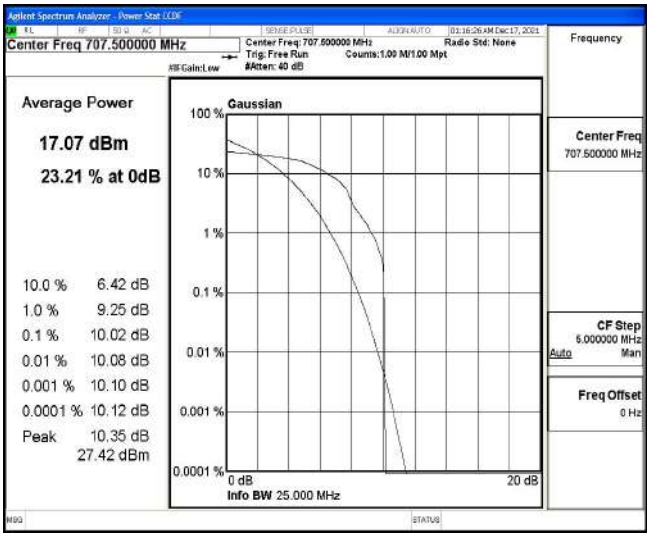
Band12-10MHz-QPSK-23130-6-0-High-10.26-<=13-PASS



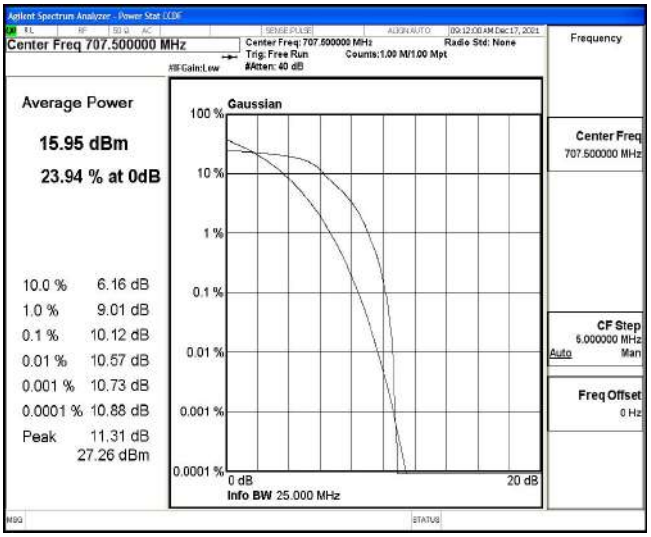
Band12-10MHz-16QAM-23060-1-0-Low-11.22-<=13-PASS



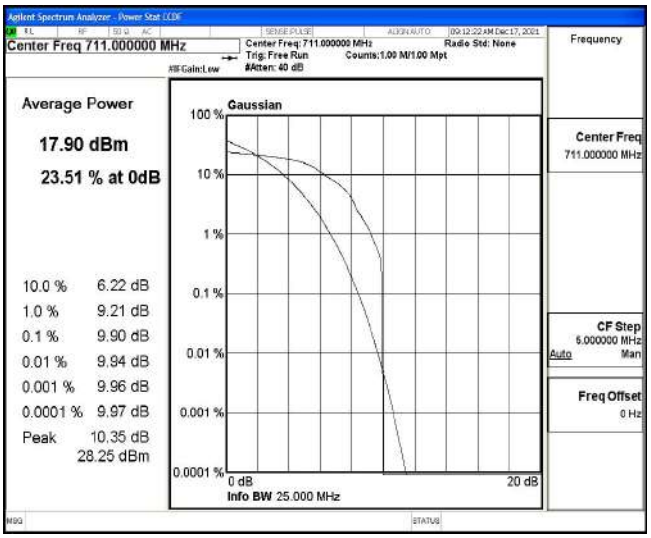
Band12-10MHz-16QAM-23060-6-0-Low-9.99-<=13-PASS



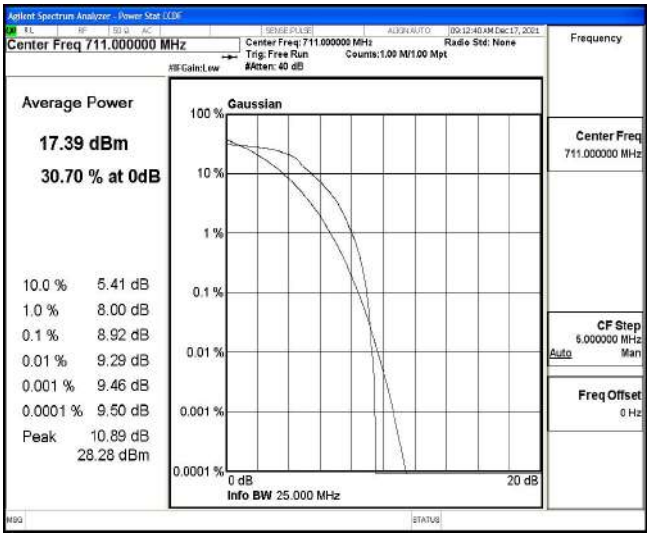
Band12-10MHz-16QAM-23095-1-0-Low-10.02-<=13-PASS



Band12-10MHz-16QAM-23095-6-0-Low-10.12-<=13-PASS



Band12-10MHz-16QAM-23130-1-0-High-9.90-<=13-PASS



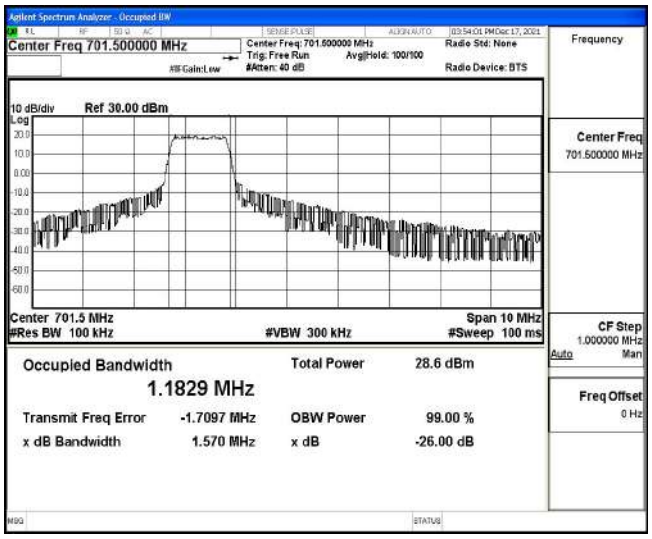
Band12-10MHz-16QAM-23130-6-0-High-8.92-<=13-PASS

D.3 26dB Bandwidth and Occupied Bandwidth for M1

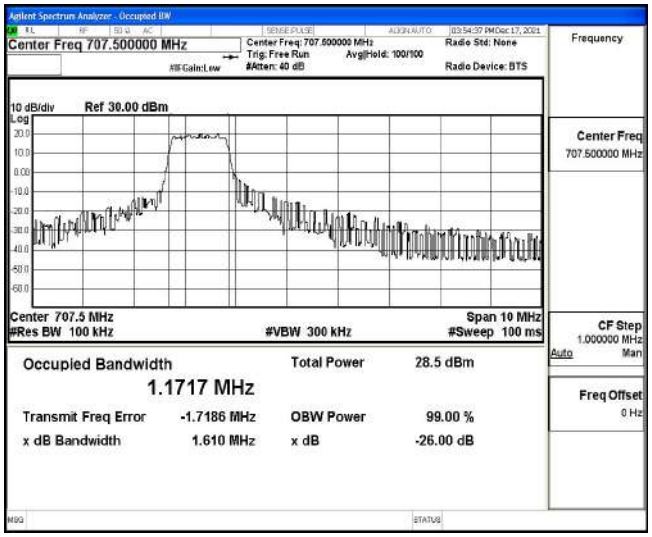
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	5MHz	23035	QPSK	6	0	Low	1.1829	1.570	PASS
Band12	5MHz	23095	QPSK	6	0	Low	1.1717	1.610	PASS
Band12	5MHz	23155	QPSK	6	0	High	1.1824	1.425	PASS
Band12	5MHz	23035	16QAM	6	0	Low	1.1777	1.588	PASS
Band12	5MHz	23095	16QAM	6	0	Low	1.1738	1.551	PASS
Band12	5MHz	23155	16QAM	6	0	High	1.1821	1.424	PASS
Band12	10MHz	23060	QPSK	6	0	Low	1.3285	2.154	PASS
Band12	10MHz	23095	QPSK	6	0	Low	1.3316	2.114	PASS
Band12	10MHz	23130	QPSK	6	0	High	1.3312	2.319	PASS
Band12	10MHz	23060	16QAM	6	0	Low	1.3310	2.017	PASS
Band12	10MHz	23095	16QAM	6	0	Low	1.3436	2.143	PASS
Band12	10MHz	23130	16QAM	6	0	High	1.3386	2.028	PASS

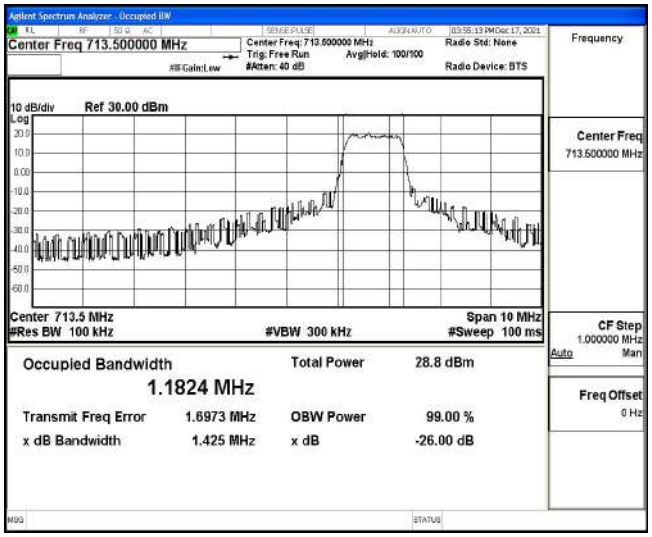
Test Graphs



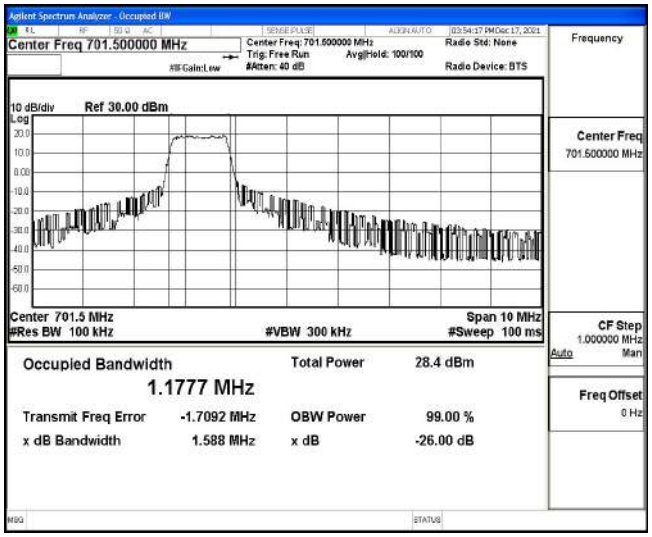
Band12-5MHz-QPSK-23035-6-0-Low-1.1829-1.570-PASS



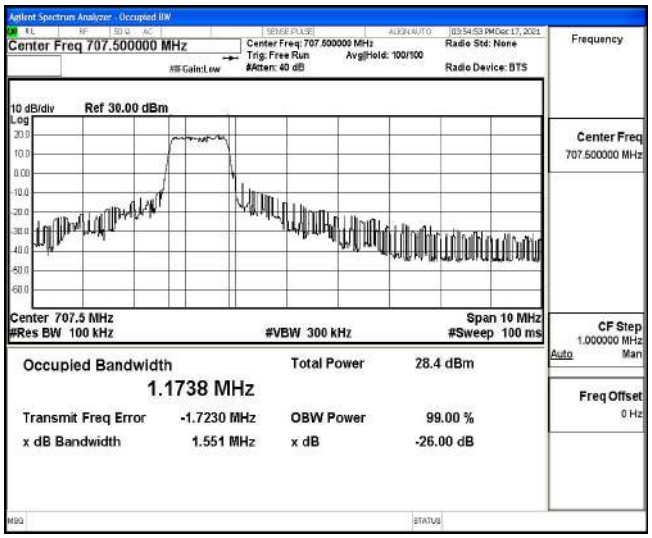
Band12-5MHz-QPSK-23095-6-0-Low-1.1717-1.610-PASS



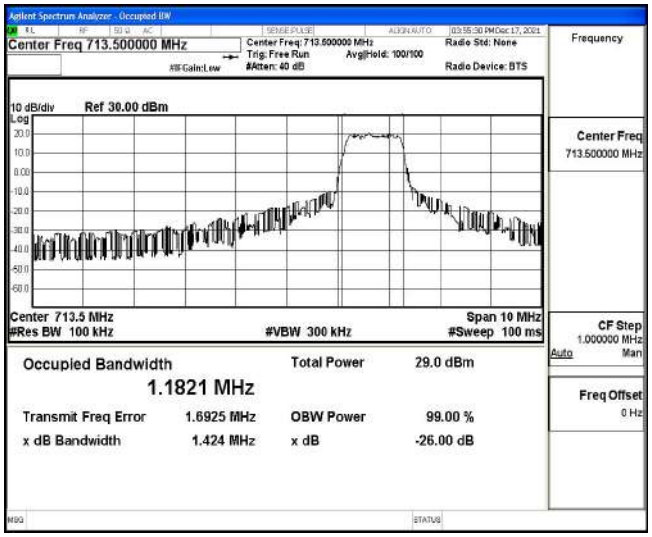
Band12-5MHz-QPSK-23155-6-0-High-1.1824-1.425-PASS



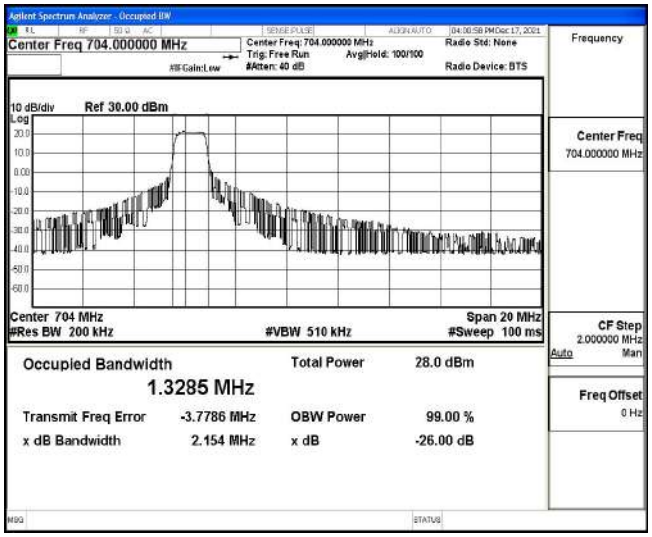
Band12-5MHz-16QAM-23035-6-0-Low-1.1777-1.588-PASS



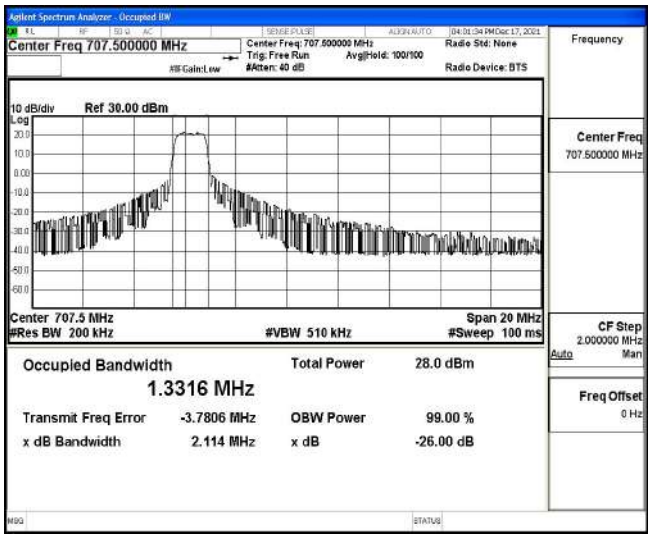
Band12-5MHz-16QAM-23095-6-0-Low-1.1738-1.551-PASS



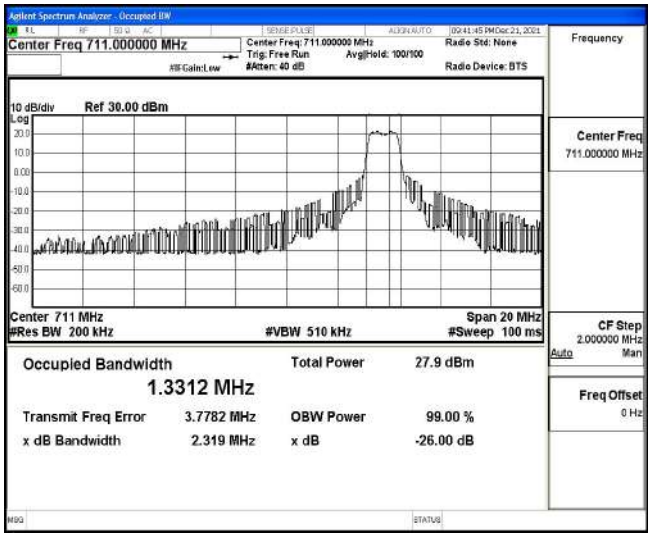
Band12-5MHz-16QAM-23155-6-0-High-1.1821-1.424-PASS



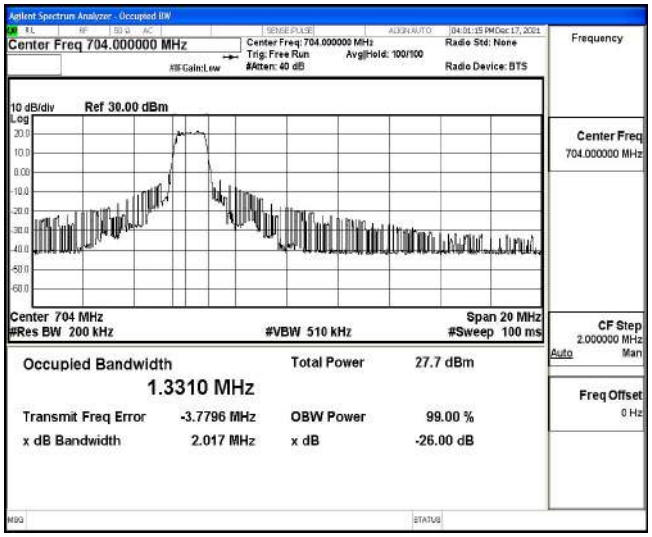
Band12-10MHz-QPSK-23060-6-0-Low-1.3285-2.154-PASS



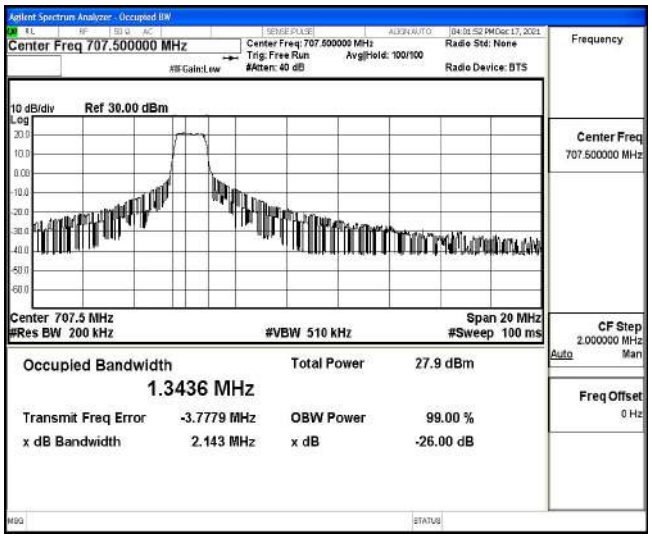
Band12-10MHz-QPSK-23095-6-0-Low-1.3316-2.114-PASS



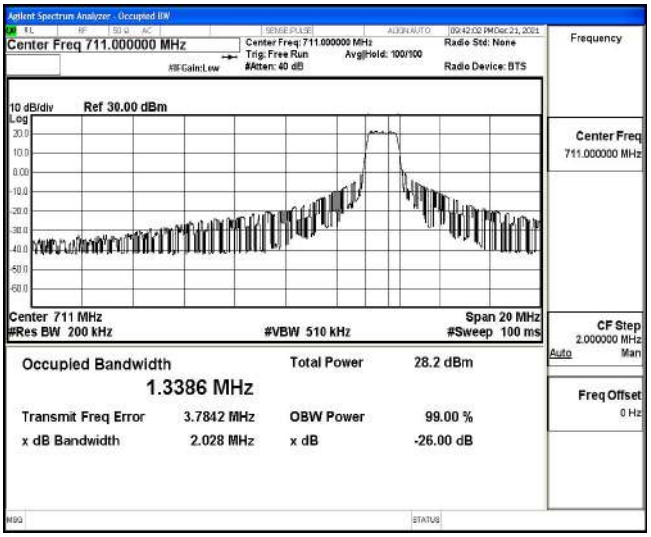
Band12-10MHz-QPSK-23130-6-0-High-1.3312-2.319-PASS



Band12-10MHz-16QAM-23060-6-0-Low-1.3310-2.017-PASS



Band12-10MHz-16QAM-23095-6-0-Low-1.3436-2.143-PASS



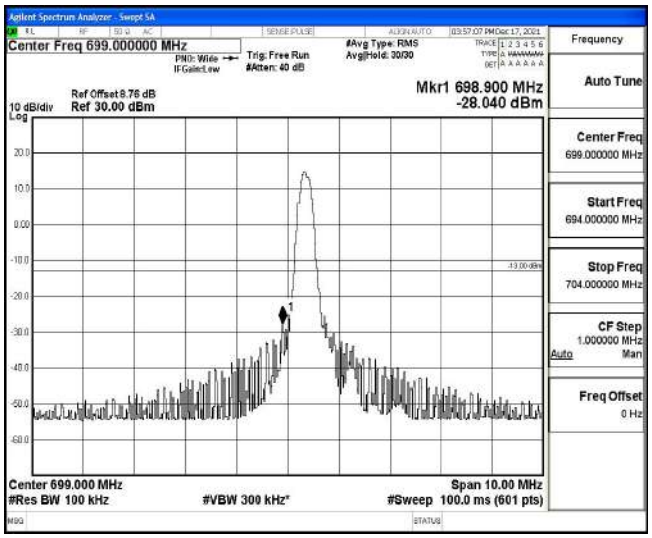
Band12-10MHz-16QAM-23130-6-0-High-1.3386-2.028-PASS

D.4 Band Edge for M1

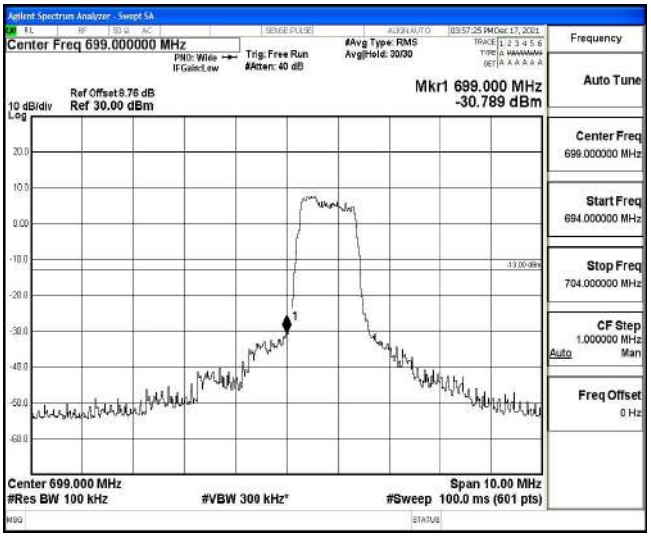
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band12	5MHz	23035	QPSK	1	0	Low	-28.04	PASS
Band12	5MHz	23035	QPSK	6	0	Low	-30.79	PASS
Band12	5MHz	23155	QPSK	1	0	High	-36.73	PASS
Band12	5MHz	23155	QPSK	6	0	High	-28.99	PASS
Band12	5MHz	23035	16QAM	1	0	Low	-24.45	PASS
Band12	5MHz	23035	16QAM	6	0	Low	-29.90	PASS
Band12	5MHz	23155	16QAM	1	0	High	-46.12	PASS
Band12	5MHz	23155	16QAM	6	0	High	-31.85	PASS
Band12	10MHz	23060	QPSK	1	0	Low	-38.66	PASS
Band12	10MHz	23060	QPSK	6	0	Low	-29.87	PASS
Band12	10MHz	23130	QPSK	1	0	High	-35.57	PASS
Band12	10MHz	23130	QPSK	6	0	High	-29.20	PASS
Band12	10MHz	23060	16QAM	1	0	Low	-36.16	PASS
Band12	10MHz	23060	16QAM	6	0	Low	-31.60	PASS
Band12	10MHz	23130	16QAM	1	0	High	-32.87	PASS
Band12	10MHz	23130	16QAM	6	0	High	-28.18	PASS

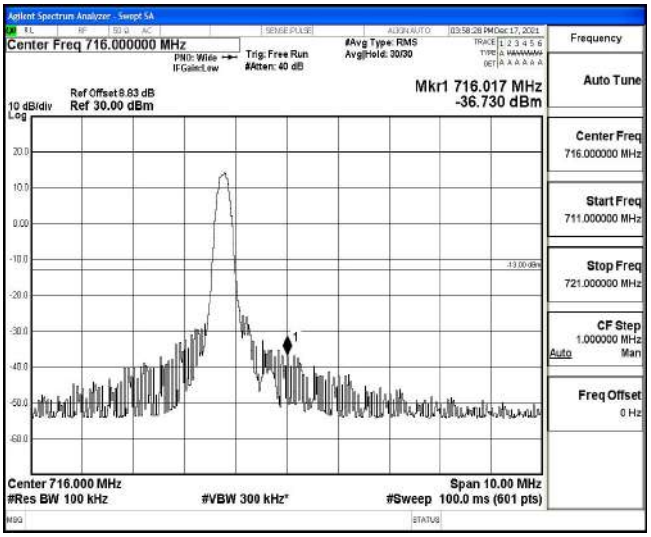
Test Graphs



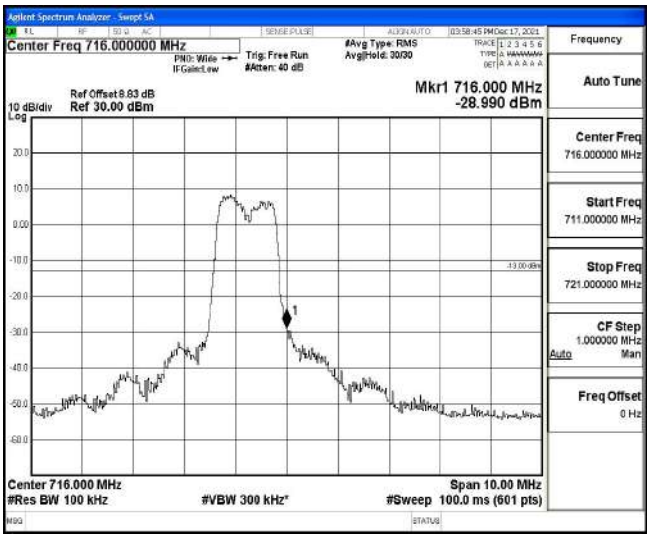
Band12-5MHz-QPSK-23035-1-0-Low--28.04-PASS



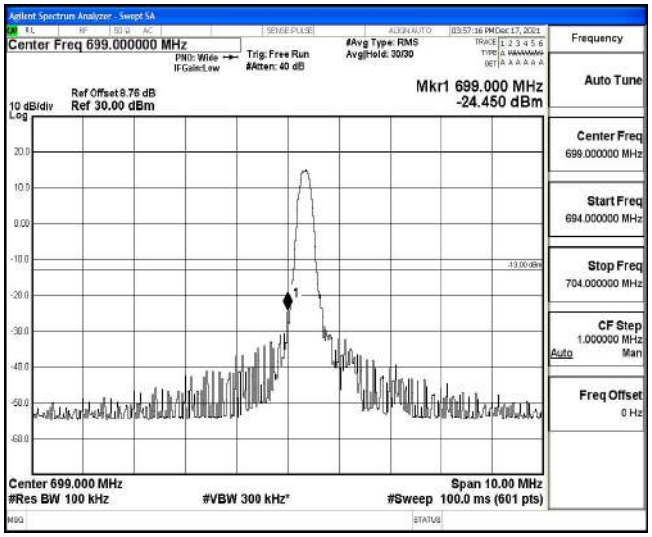
Band12-5MHz-QPSK-23035-6-0-Low--30.79-PASS



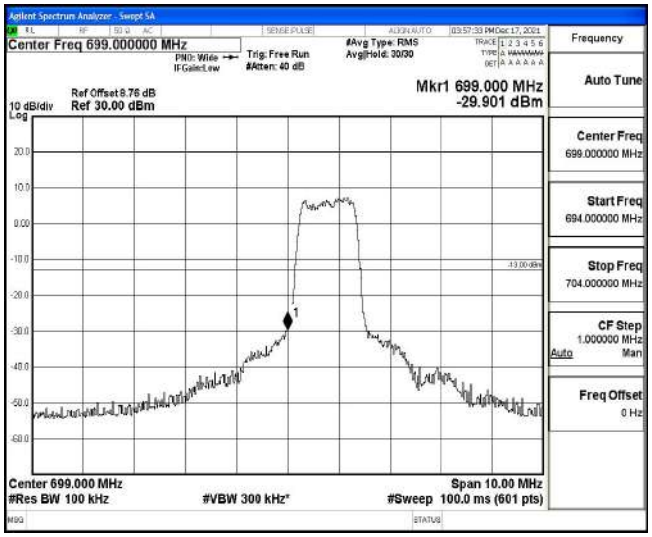
Band12-5MHz-QPSK-23155-1-0-High--36.73-PASS



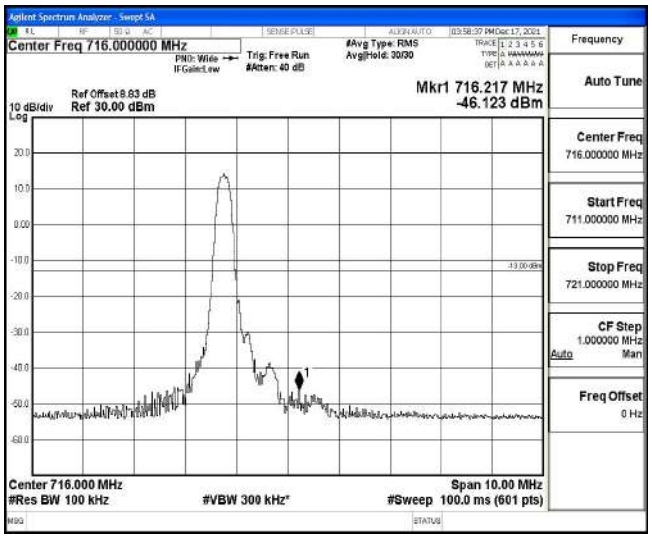
Band12-5MHz-QPSK-23155-6-0-High--28.99-PASS



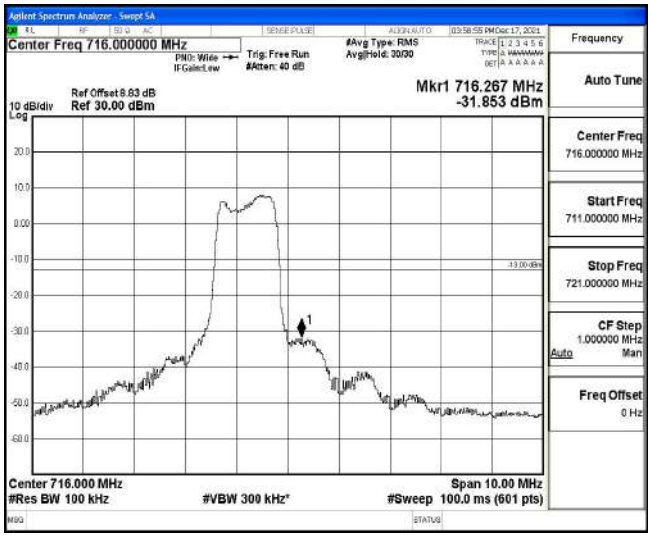
Band12-5MHz-16QAM-23035-1-0-Low--24.45-PASS



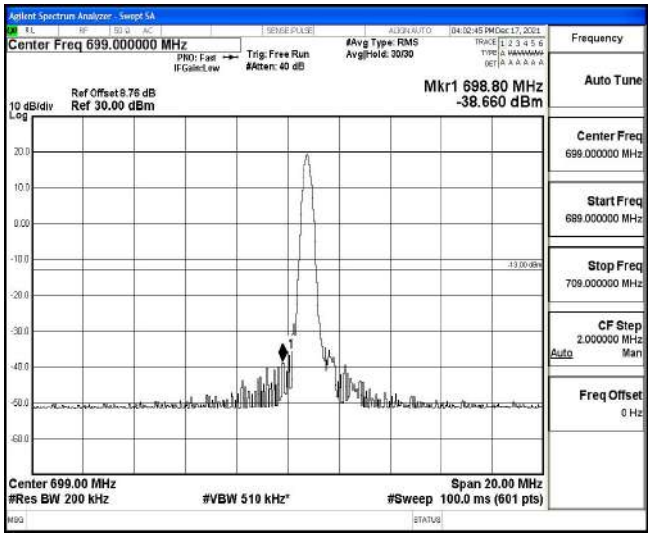
Band12-5MHz-16QAM-23035-6-0-Low--29.90-PASS



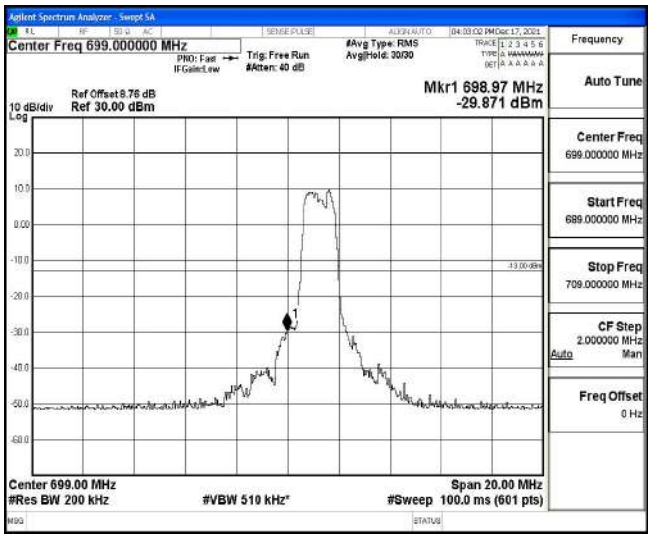
Band12-5MHz-16QAM-23155-1-0-High--46.12-PASS



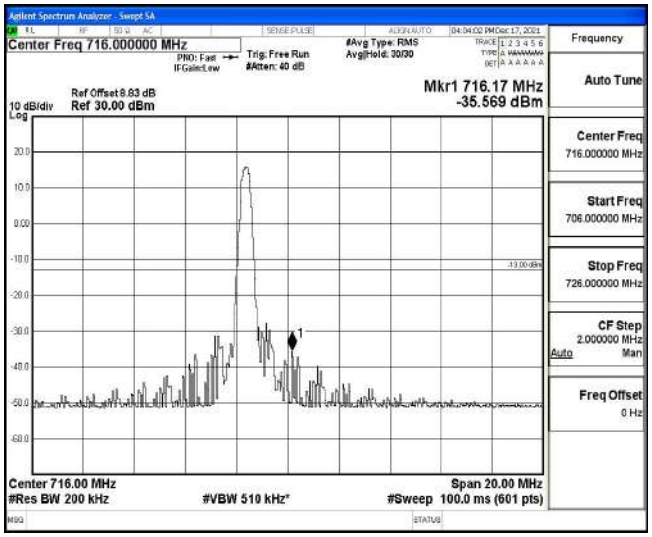
Band12-5MHz-16QAM-23155-6-0-High--31.85-PASS



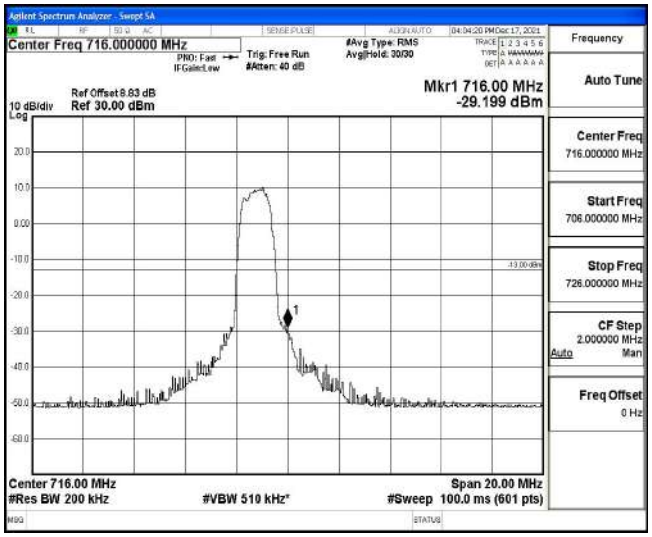
Band12-10MHz-QPSK-23060-1-0-Low--38.66-PASS



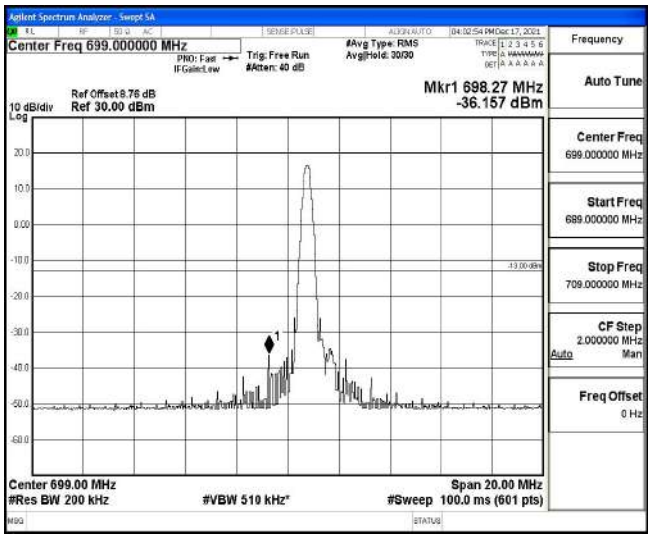
Band12-10MHz-QPSK-23060-6-0-Low--29.87-PASS



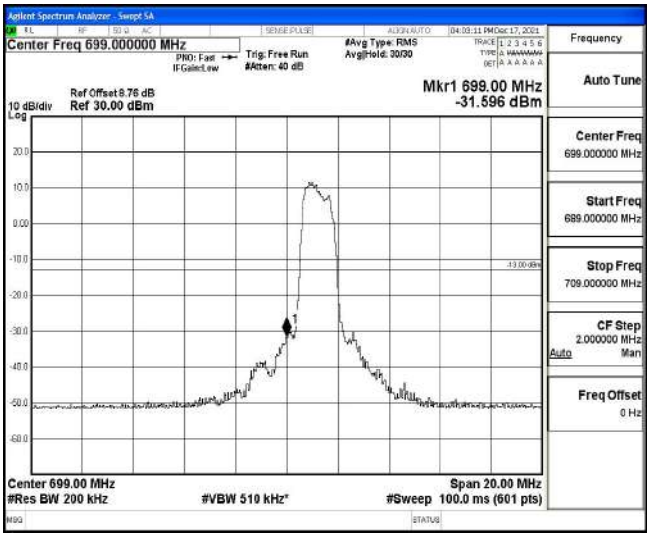
Band12-10MHz-QPSK-23130-1-0-High--35.57-PASS



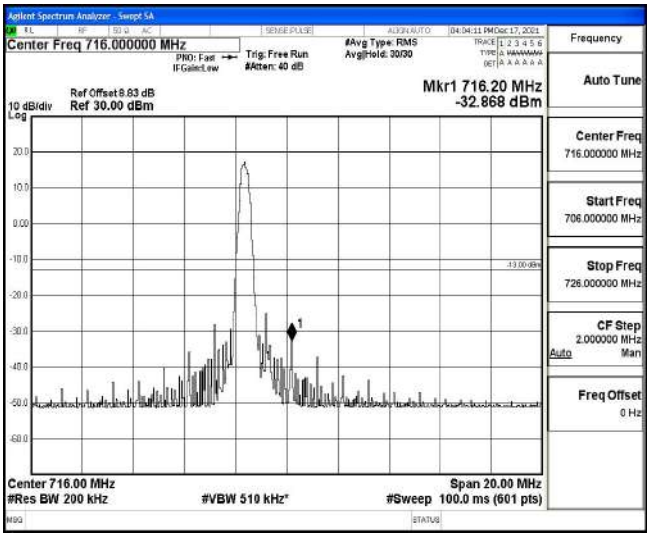
Band12-10MHz-QPSK-23130-6-0-High--29.20-PASS



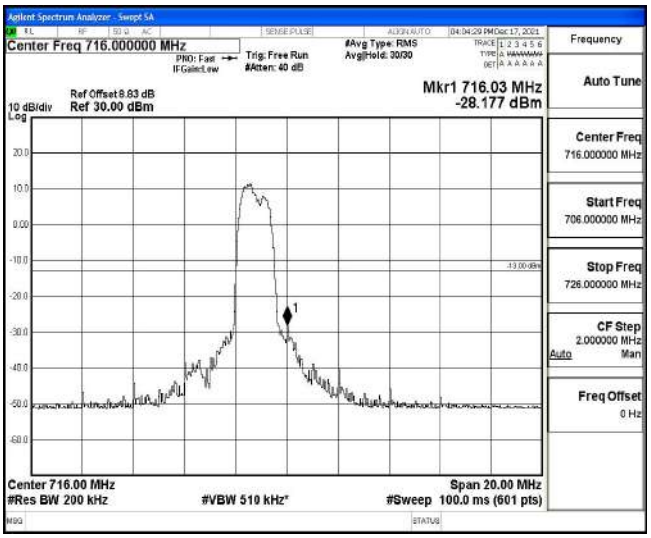
Band12-10MHz-16QAM-23060-1-0-Low--36.16-PASS



Band12-10MHz-16QAM-23060-6-0-Low--31.60-PASS



Band12-10MHz-16QAM-23130-1-0-High--32.87-PASS



Band12-10MHz-16QAM-23130-6-0-High--28.18-PASS

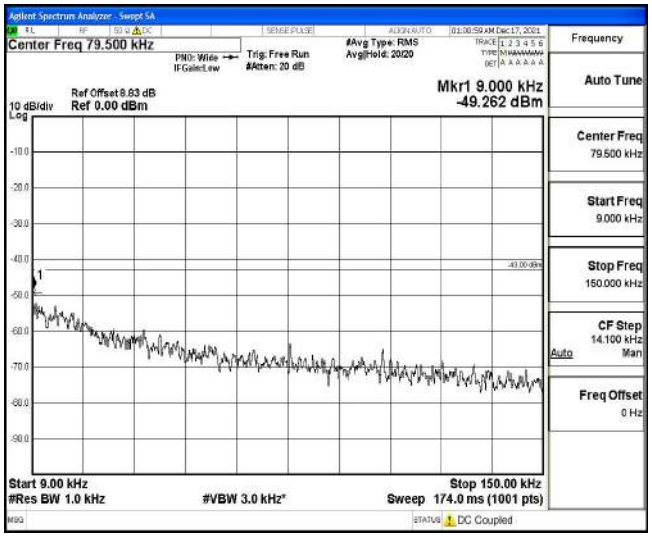
D.5 Conducted Spurious Emission for M1

Test Result

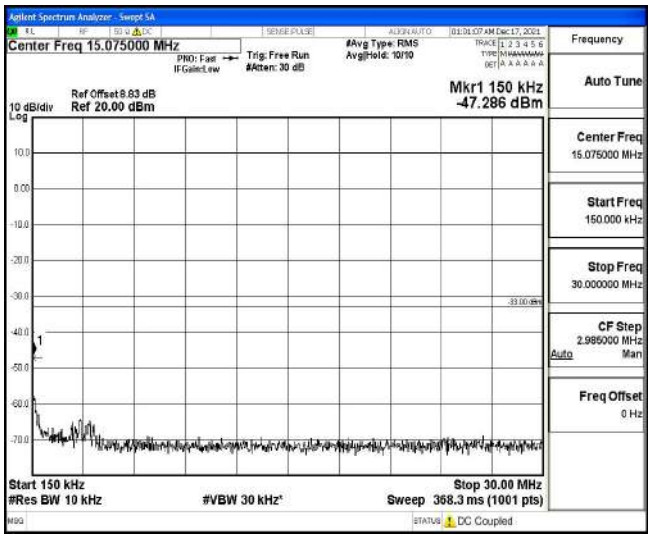
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band12	5MHz	23035	QPSK	1	0	Low	0.009	0.15	-49.26	PASS
Band12	5MHz	23035	QPSK	1	0	Low	0.15	30	-47.29	PASS
Band12	5MHz	23035	QPSK	1	0	Low	30	1000	-37.4	PASS
Band12	5MHz	23035	QPSK	1	0	Low	1000	10000	-41.79	PASS
Band12	5MHz	23095	QPSK	1	0	Low	0.009	0.15	-51.69	PASS
Band12	5MHz	23095	QPSK	1	0	Low	0.15	30	-45.78	PASS
Band12	5MHz	23095	QPSK	1	0	Low	30	1000	-37.54	PASS
Band12	5MHz	23095	QPSK	1	0	Low	1000	10000	-42.22	PASS
Band12	5MHz	23155	QPSK	1	0	High	0.009	0.15	-50.99	PASS
Band12	5MHz	23155	QPSK	1	0	High	0.15	30	-45.74	PASS
Band12	5MHz	23155	QPSK	1	0	High	30	1000	-36.87	PASS
Band12	5MHz	23155	QPSK	1	0	High	1000	10000	-42.29	PASS
Band12	5MHz	23035	16QAM	1	0	Low	0.009	0.15	-51.77	PASS
Band12	5MHz	23035	16QAM	1	0	Low	0.15	30	-46.59	PASS
Band12	5MHz	23035	16QAM	1	0	Low	30	1000	-36.84	PASS
Band12	5MHz	23035	16QAM	1	0	Low	1000	10000	-42.02	PASS
Band12	5MHz	23095	16QAM	1	0	Low	0.009	0.15	-51.58	PASS
Band12	5MHz	23095	16QAM	1	0	Low	0.15	30	-47.87	PASS
Band12	5MHz	23095	16QAM	1	0	Low	30	1000	-36.89	PASS
Band12	5MHz	23095	16QAM	1	0	Low	1000	10000	-42.43	PASS
Band12	5MHz	23155	16QAM	1	0	High	0.009	0.15	-52.98	PASS
Band12	5MHz	23155	16QAM	1	0	High	0.15	30	-46.24	PASS
Band12	5MHz	23155	16QAM	1	0	High	30	1000	-36.79	PASS
Band12	5MHz	23155	16QAM	1	0	High	1000	10000	-42.3	PASS
Band12	10MHz	23060	QPSK	1	0	Low	0.009	0.15	-51.78	PASS
Band12	10MHz	23060	QPSK	1	0	Low	0.15	30	-46.59	PASS
Band12	10MHz	23060	QPSK	1	0	Low	30	1000	-36.6	PASS
Band12	10MHz	23060	QPSK	1	0	Low	1000	10000	-42.08	PASS
Band12	10MHz	23095	QPSK	1	0	Low	0.009	0.15	-51.31	PASS
Band12	10MHz	23095	QPSK	1	0	Low	0.15	30	-45.26	PASS
Band12	10MHz	23095	QPSK	1	0	Low	30	1000	-37.22	PASS
Band12	10MHz	23095	QPSK	1	0	Low	1000	10000	-42.27	PASS
Band12	10MHz	23130	QPSK	1	0	High	0.009	0.15	-51.06	PASS
Band12	10MHz	23130	QPSK	1	0	High	0.15	30	-46.9	PASS
Band12	10MHz	23130	QPSK	1	0	High	30	1000	-37.24	PASS

Band12	10MHz	23130	QPSK	1	0	High	1000	10000	-42.44	PASS
Band12	10MHz	23060	16QAM	1	0	Low	0.009	0.15	-50.23	PASS
Band12	10MHz	23060	16QAM	1	0	Low	0.15	30	-46.67	PASS
Band12	10MHz	23060	16QAM	1	0	Low	30	1000	-37.23	PASS
Band12	10MHz	23060	16QAM	1	0	Low	1000	10000	-42.14	PASS
Band12	10MHz	23095	16QAM	1	0	Low	0.009	0.15	-50.17	PASS
Band12	10MHz	23095	16QAM	1	0	Low	0.15	30	-47.12	PASS
Band12	10MHz	23095	16QAM	1	0	Low	30	1000	-37.17	PASS
Band12	10MHz	23095	16QAM	1	0	Low	1000	10000	-42.35	PASS
Band12	10MHz	23130	16QAM	1	0	High	0.009	0.15	-50.55	PASS
Band12	10MHz	23130	16QAM	1	0	High	0.15	30	-45.95	PASS
Band12	10MHz	23130	16QAM	1	0	High	30	1000	-37.6	PASS
Band12	10MHz	23130	16QAM	1	0	High	1000	10000	-42.09	PASS

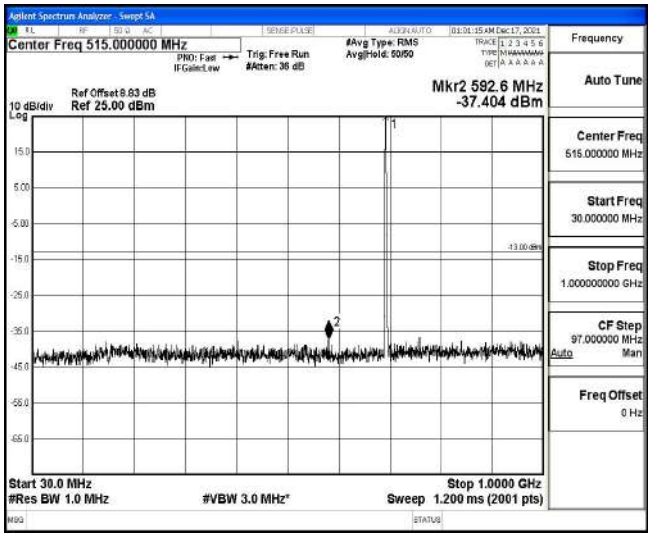
Test Graphs



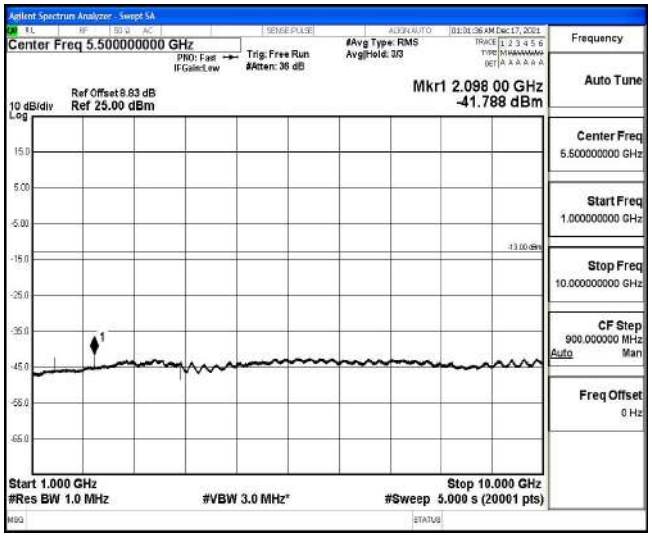
Band12-5MHz-QPSK-23035-1-0-Low-0.009-0.15--49.26-PASS



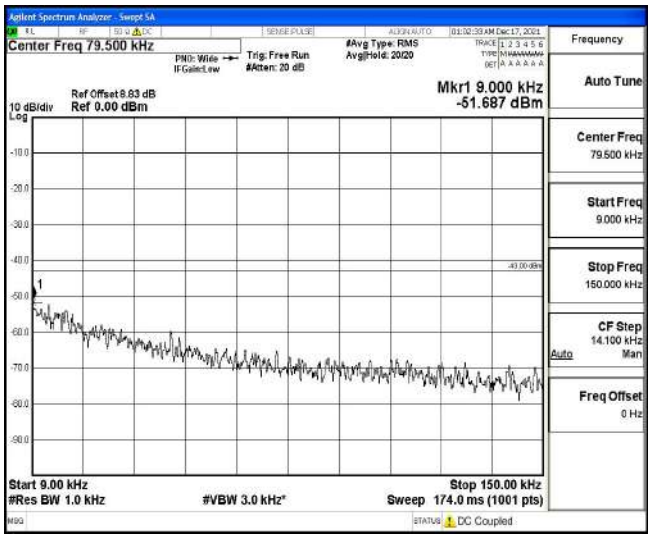
Band12-5MHz-QPSK-23035-1-0-Low-0.15-30--47.29-PASS



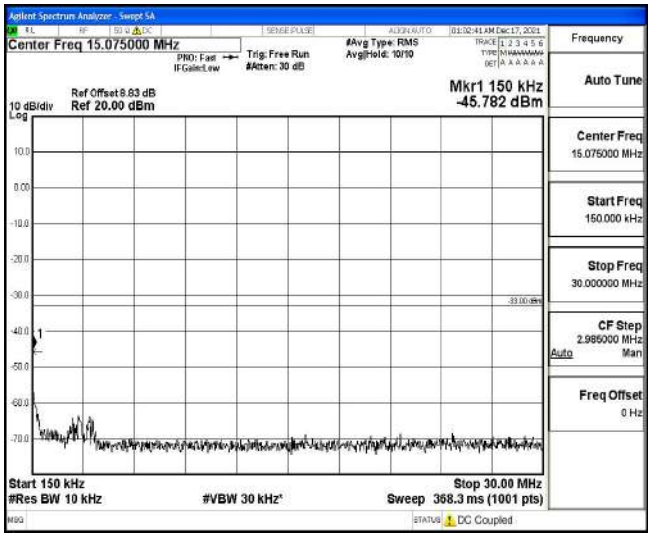
Band12-5MHz-QPSK-23035-1-0-Low-30-1000--37.4-PASS



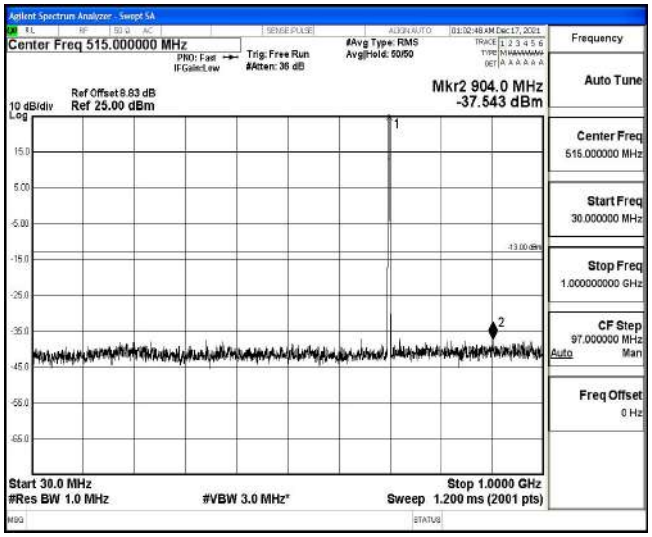
Band12-5MHz-QPSK-23035-1-0-Low-1000-10000--41.79-PASS



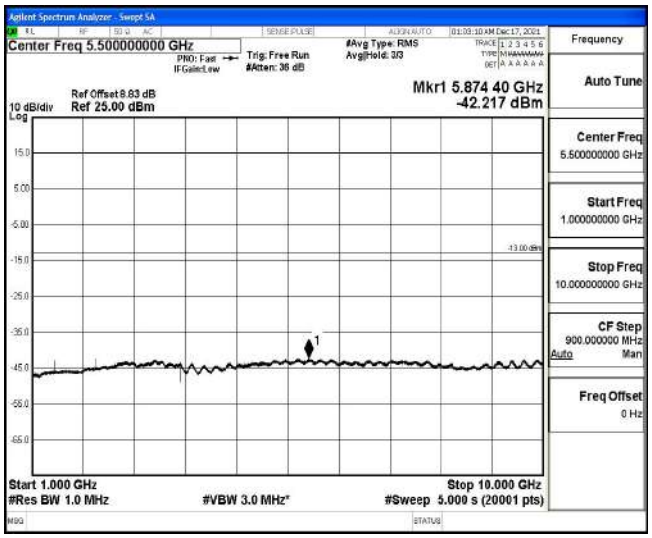
Band12-5MHz-QPSK-23095-1-0-Low-0.009-0.15--51.69-PASS



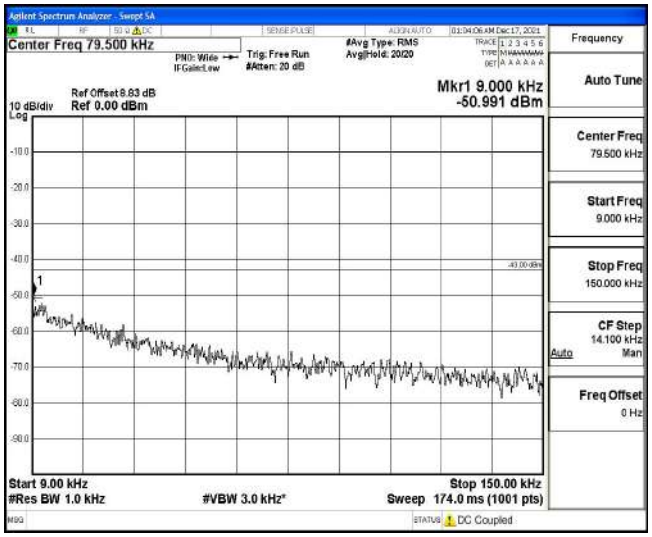
Band12-5MHz-QPSK-23095-1-0-Low-0.15-30--45.78-PASS



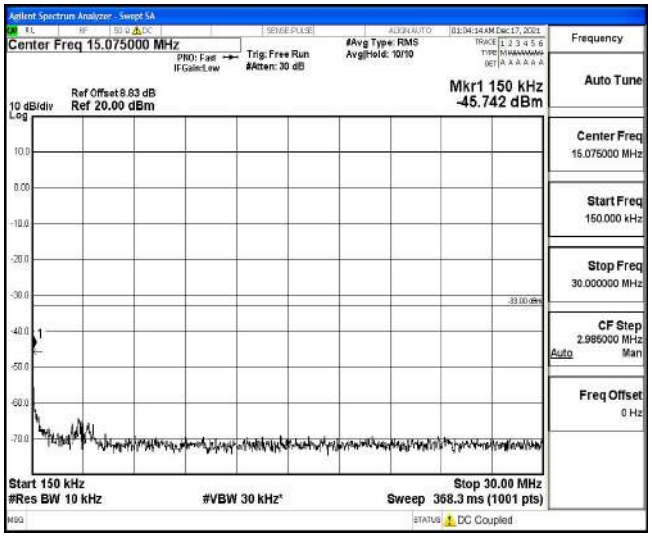
Band12-5MHz-QPSK-23095-1-0-Low-30-1000--37.54-PASS



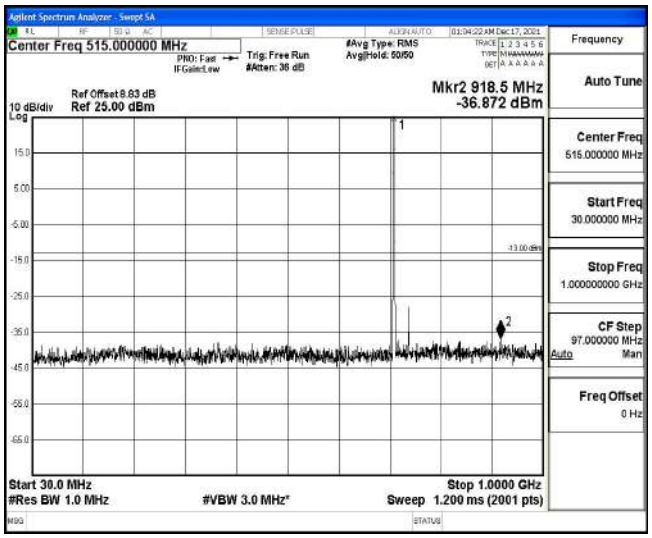
Band12-5MHz-QPSK-23095-1-0-Low-1000-10000--42.22-PASS



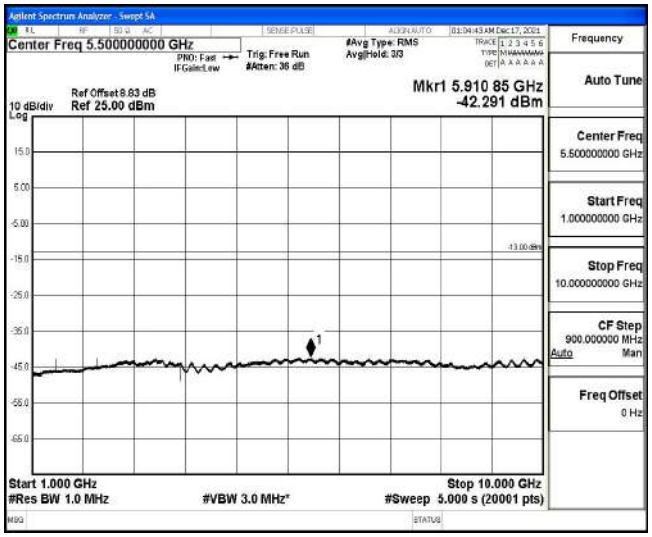
Band12-5MHz-QPSK-23155-1-0-High-0.009-0.15--50.99-PASS



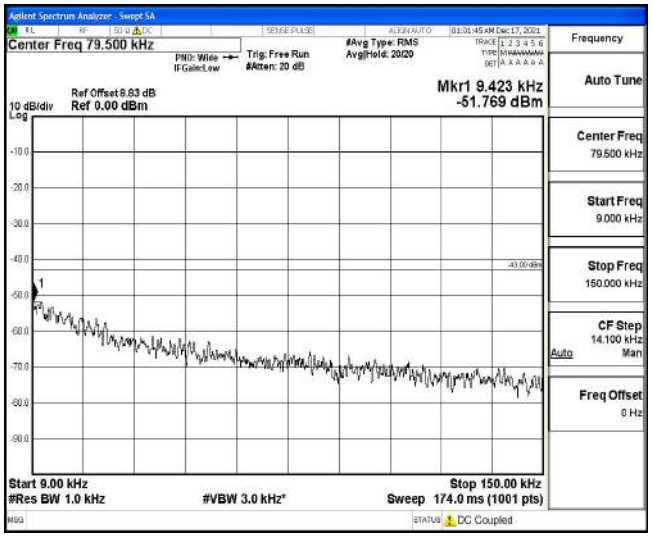
Band12-5MHz-QPSK-23155-1-0-High-0.15-30--45.74-PASS



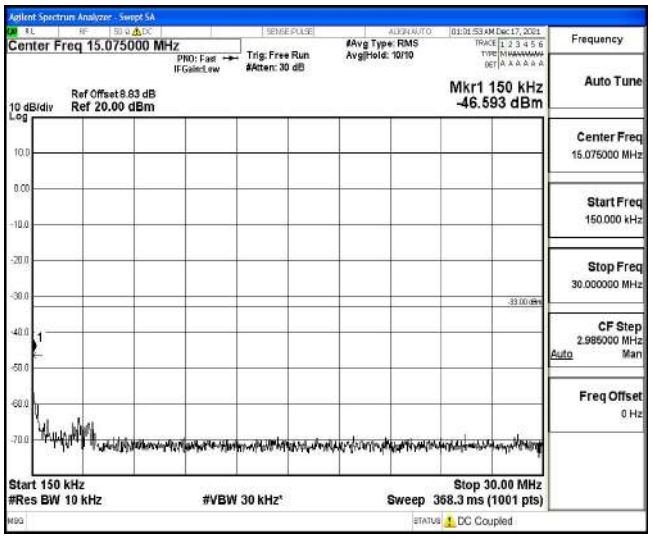
Band12-5MHz-QPSK-23155-1-0-High-30-1000--36.87-PASS



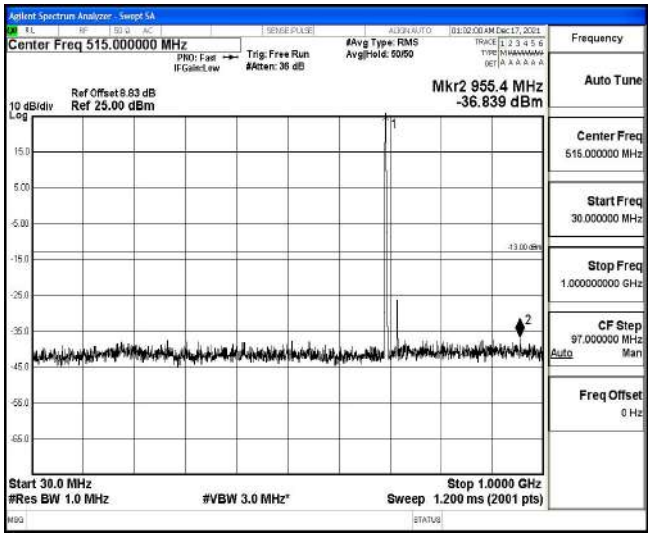
Band12-5MHz-QPSK-23155-1-0-High-1000-10000--42.29-PASS



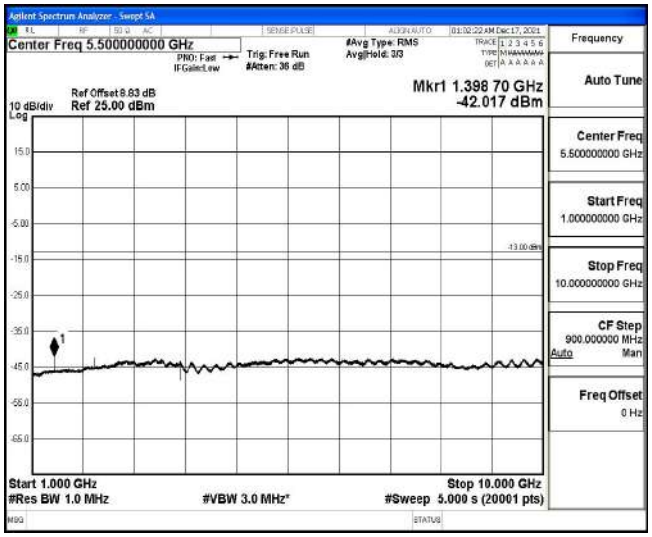
Band12-5MHz-16QAM-23035-1-0-Low-0.009-0.15--51.77-PASS



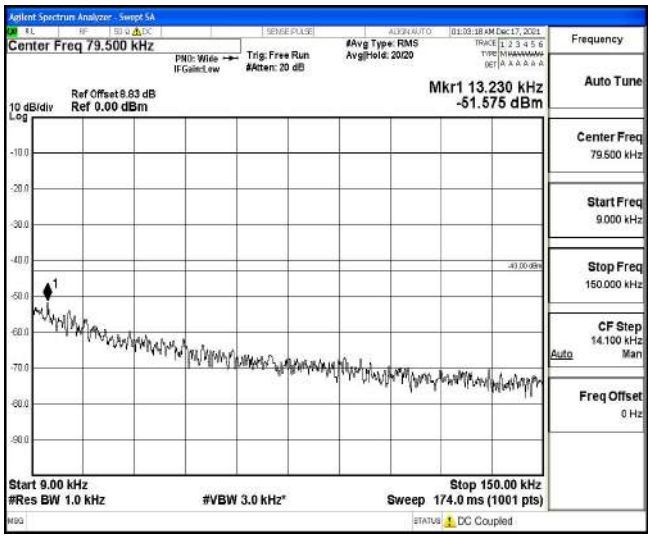
Band12-5MHz-16QAM-23035-1-0-Low-0.15-30--46.59-PASS



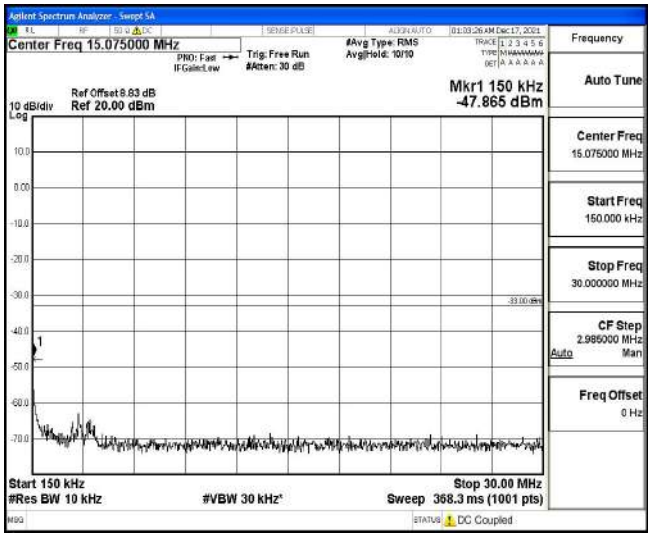
Band12-5MHz-16QAM-23035-1-0-Low-30-1000--36.84-PASS



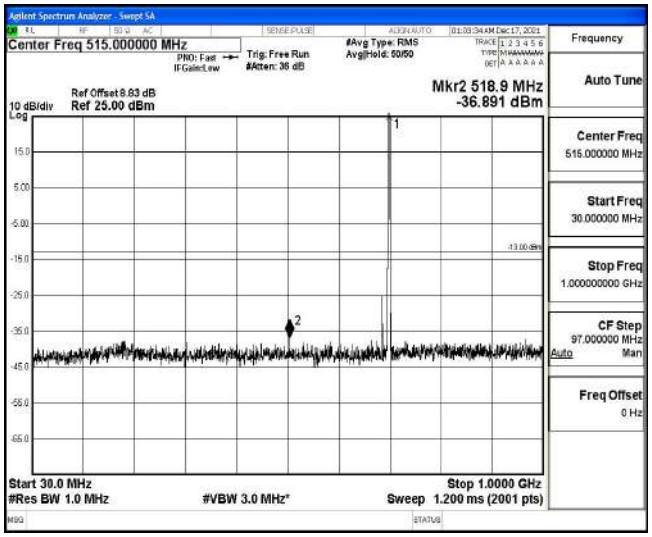
Band12-5MHz-16QAM-23035-1-0-Low-1000-10000--42.02-PASS



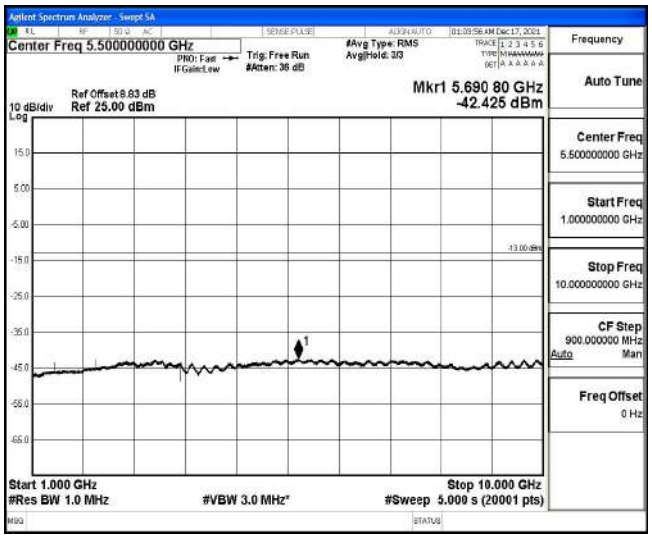
Band12-5MHz-16QAM-23095-1-0-Low-0.009-0.15--51.58-PASS



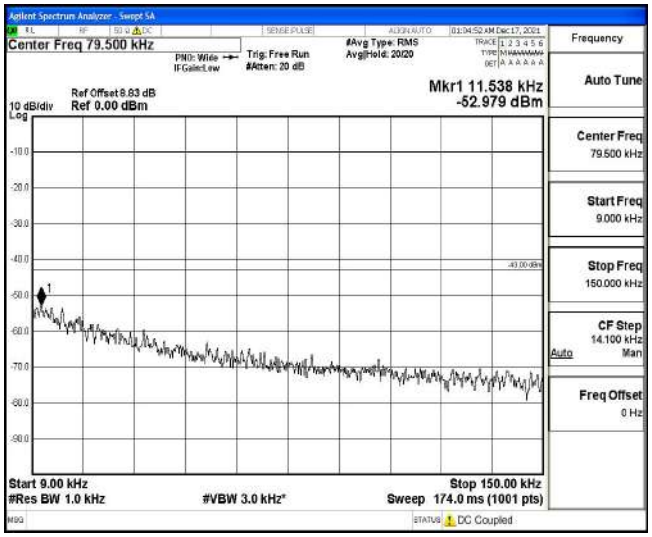
Band12-5MHz-16QAM-23095-1-0-Low-0.15-30--47.87-PASS



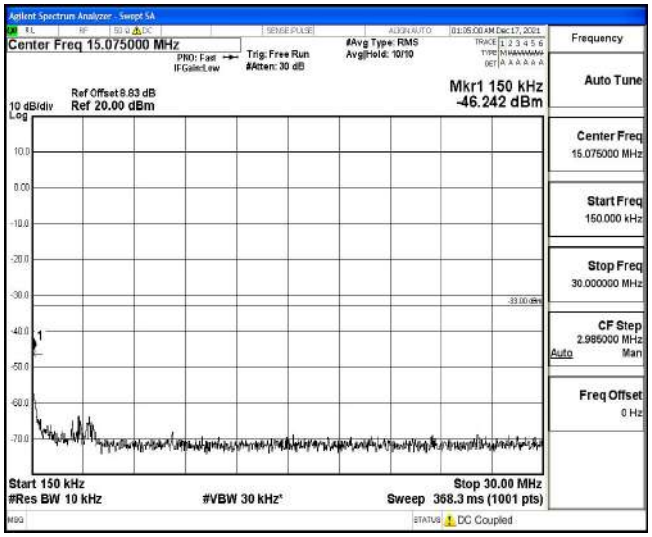
Band12-5MHz-16QAM-23095-1-0-Low-30-1000--36.89-PASS



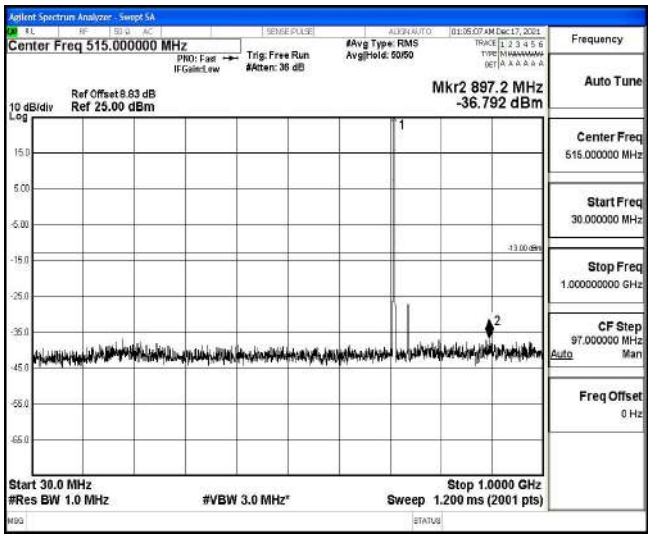
Band12-5MHz-16QAM-23095-1-0-Low-1000-10000--42.43-PASS



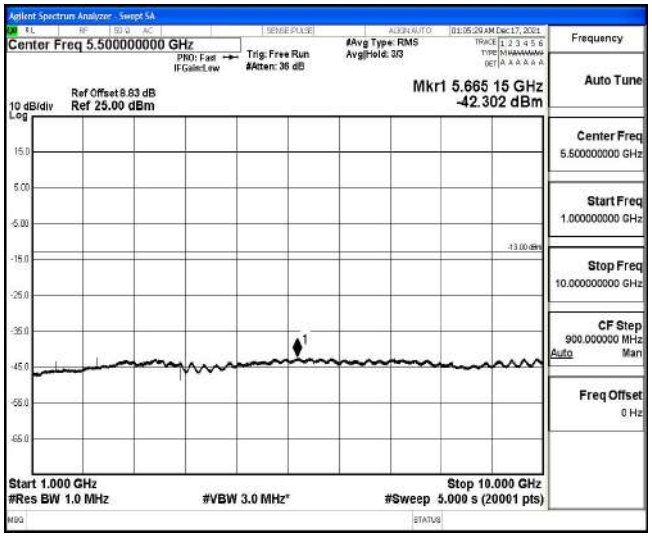
Band12-5MHz-16QAM-23155-1-0-High-0.009-0.15--52.98-PASS



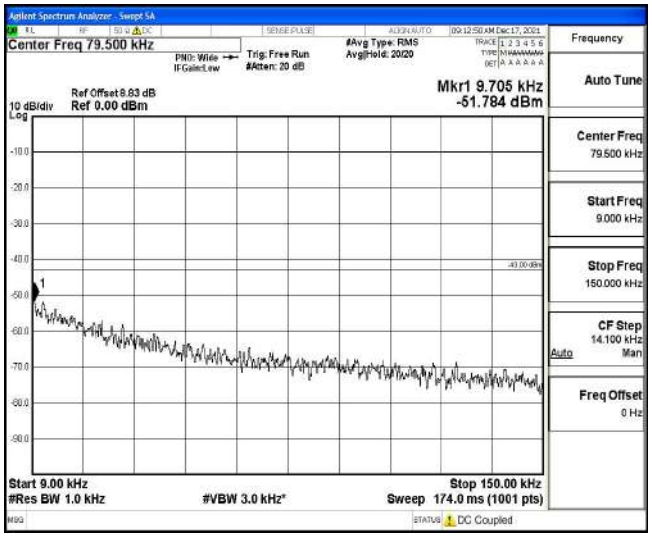
Band12-5MHz-16QAM-23155-1-0-High-0.15-30--46.24-PASS



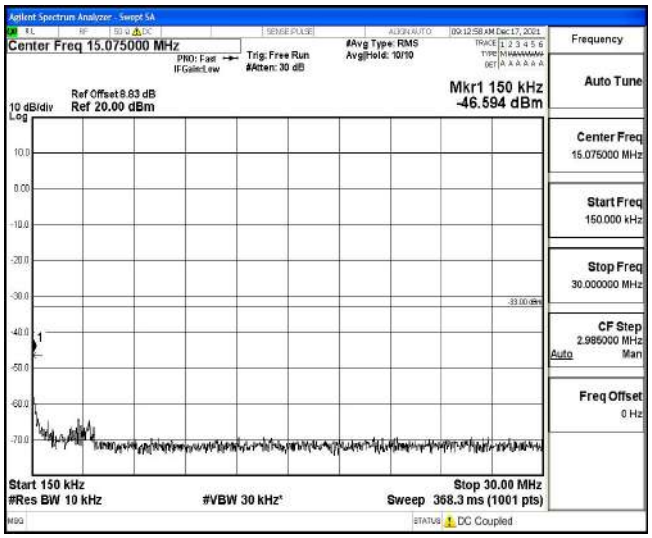
Band12-5MHz-16QAM-23155-1-0-High-30-1000--36.79-PASS



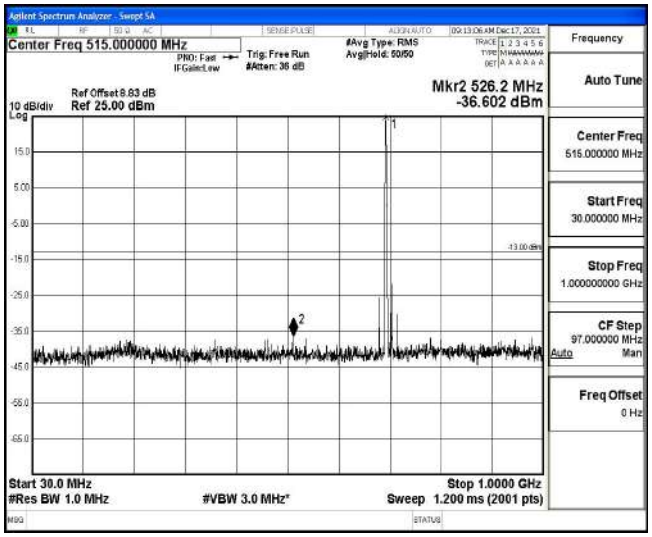
Band12-5MHz-16QAM-23155-1-0-High-1000-10000--42.3-PASS



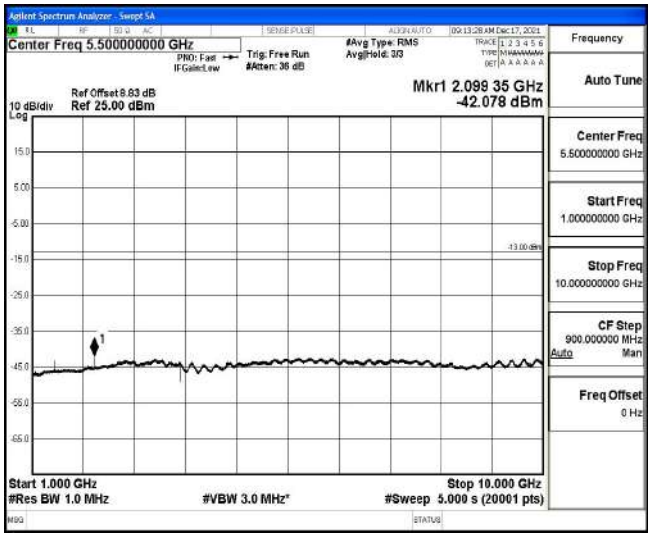
Band12-10MHz-QPSK-23060-1-0-Low-0.009-0.15--51.78-PASS



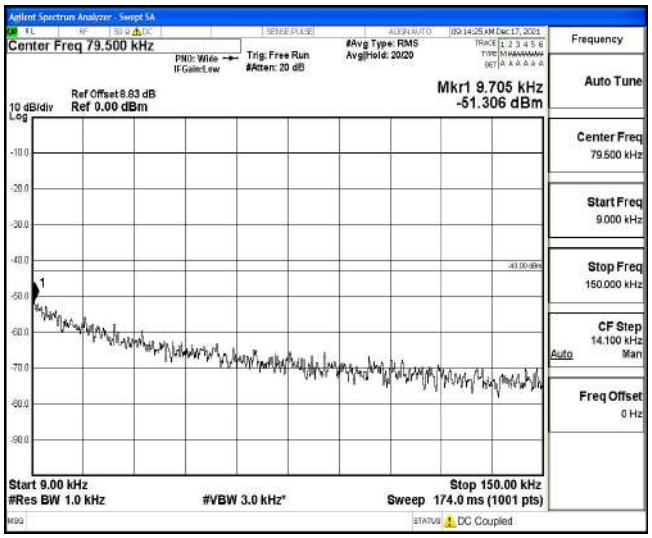
Band12-10MHz-QPSK-23060-1-0-Low-0.15-30--46.59-PASS



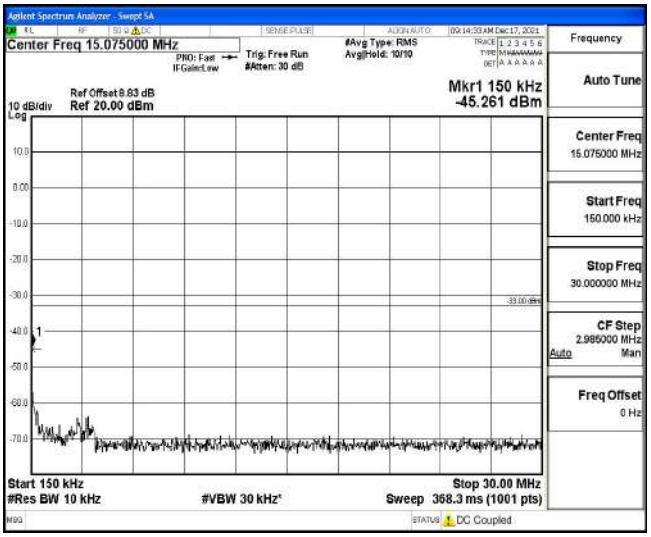
Band12-10MHz-QPSK-23060-1-0-Low-30-1000--36.6-PASS



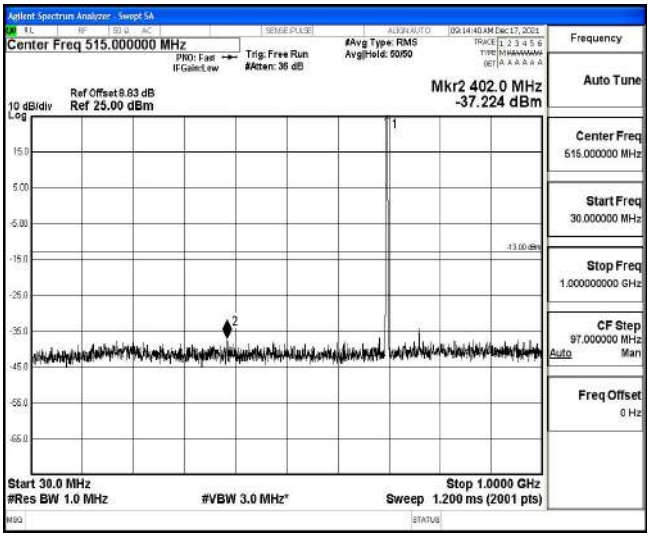
Band12-10MHz-QPSK-23060-1-0-Low-1000-10000--42.08-PASS



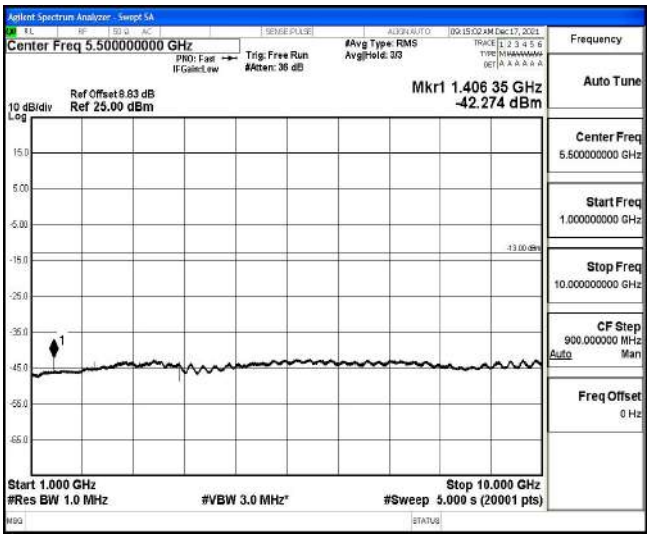
Band12-10MHz-QPSK-23095-1-0-Low-0.009-0.15--51.31-PASS



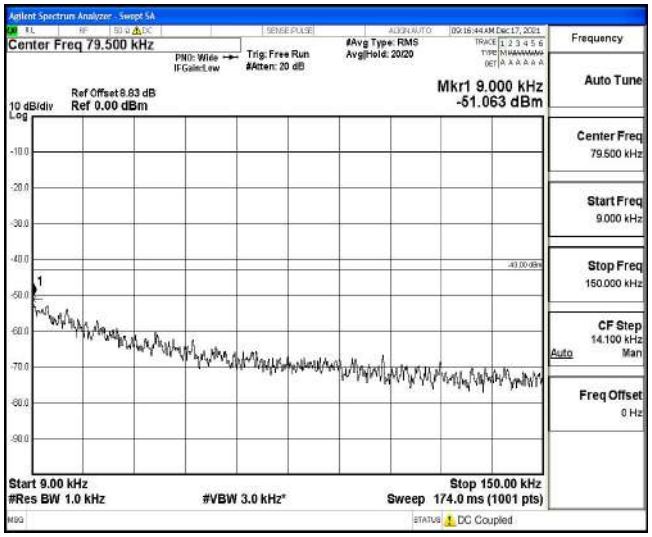
Band12-10MHz-QPSK-23095-1-0-Low-0.15-30--45.26-PASS



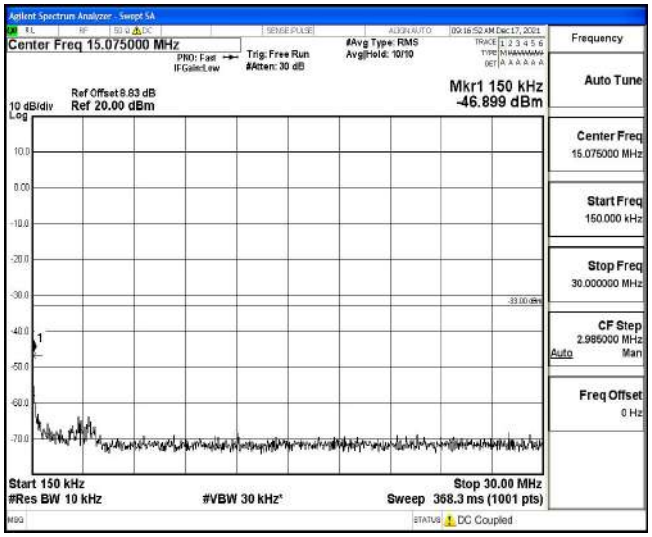
Band12-10MHz-QPSK-23095-1-0-Low-30-1000--37.22-PASS



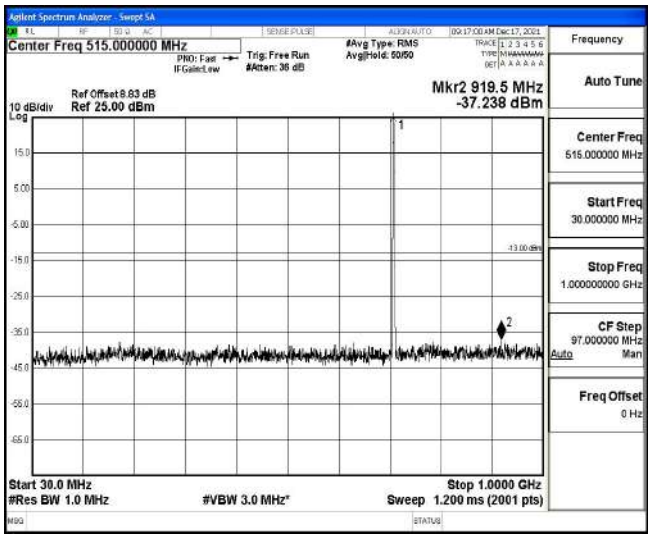
Band12-10MHz-QPSK-23095-1-0-Low-1000-10000--42.27-PASS



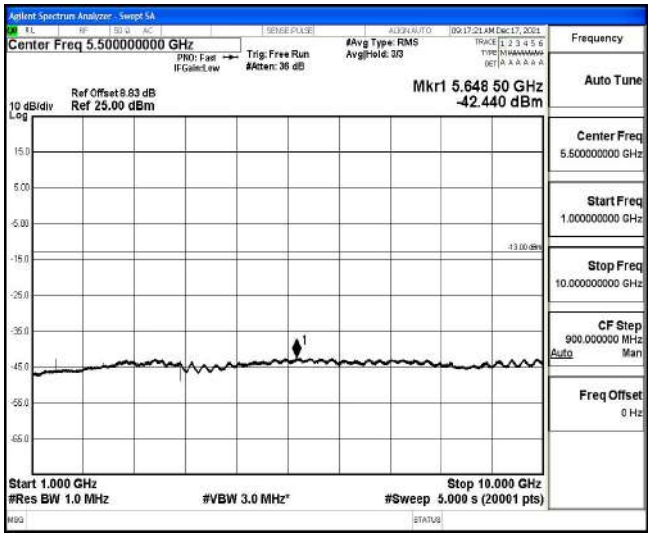
Band12-10MHz-QPSK-23130-1-0-High-0.009-0.15--51.06-PASS



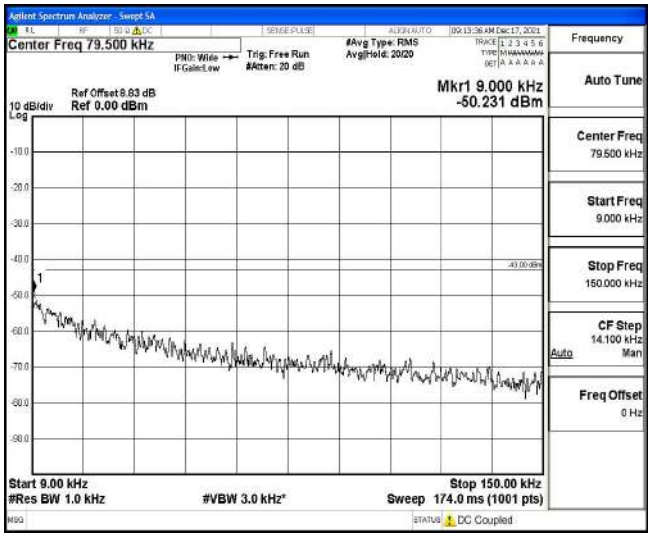
Band12-10MHz-QPSK-23130-1-0-High-0.15-30--46.9-PASS



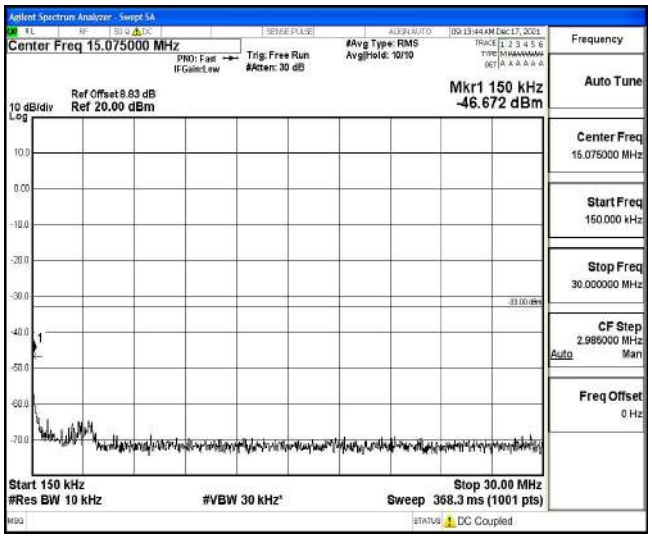
Band12-10MHz-QPSK-23130-1-0-High-30-1000--37.24-PASS



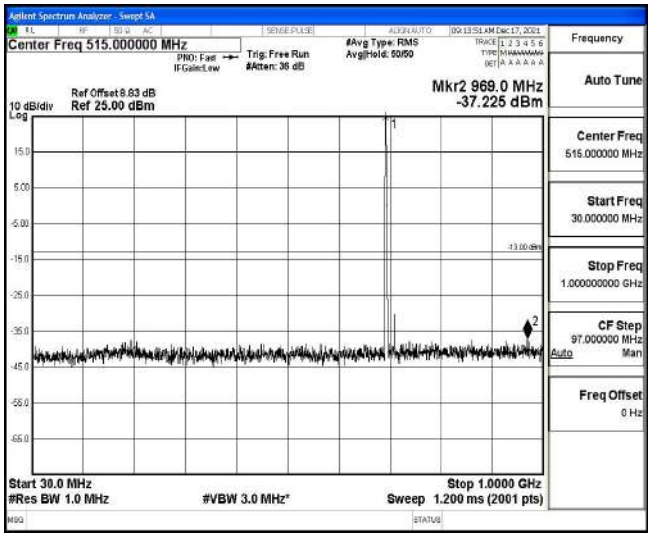
Band12-10MHz-QPSK-23130-1-0-High-1000-10000--42.44-PASS



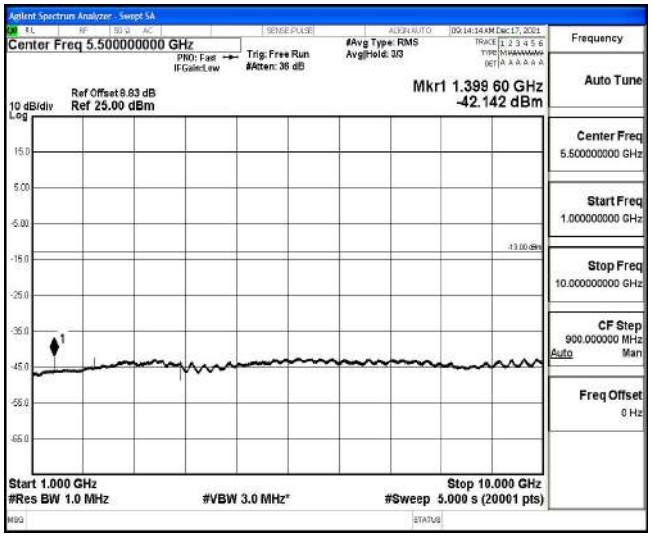
Band12-10MHz-16QAM-23060-1-0-Low-0.009-0.15--50.23-PASS



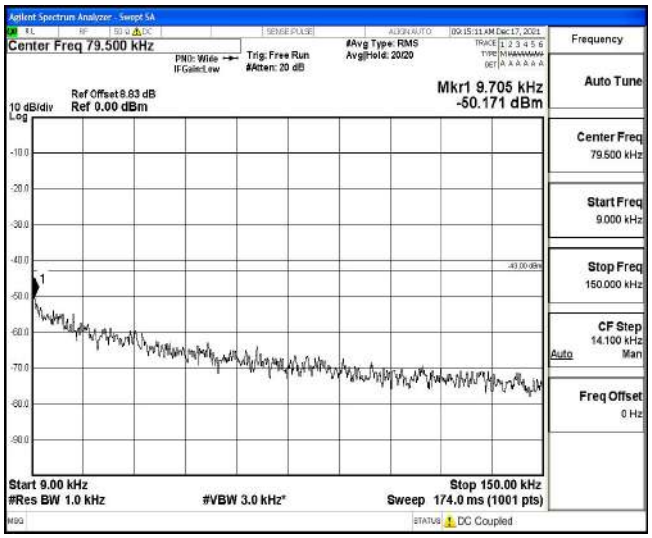
Band12-10MHz-16QAM-23060-1-0-Low-0.15-30--46.67-PASS



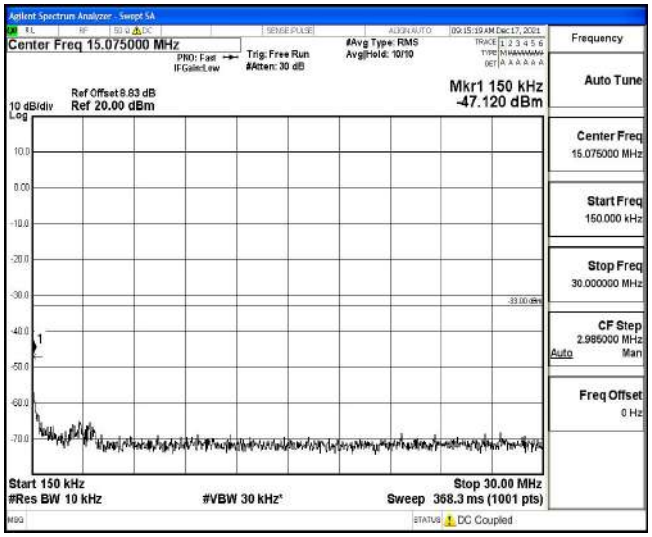
Band12-10MHz-16QAM-23060-1-0-Low-30-1000--37.23-PASS



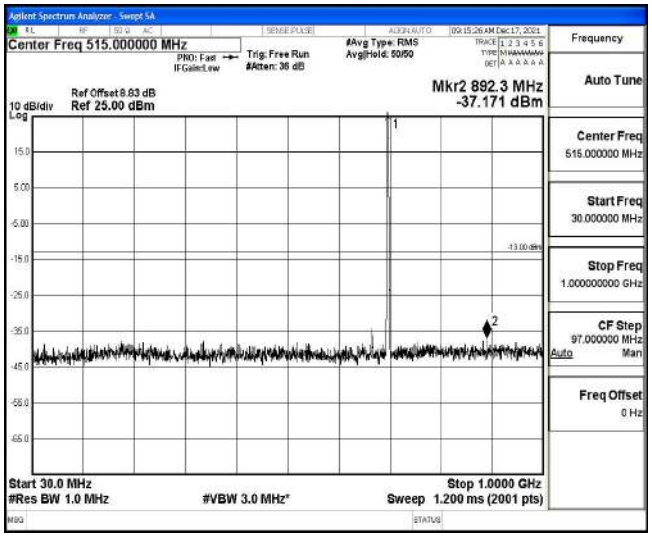
Band12-10MHz-16QAM-23060-1-0-Low-1000-10000--42.14-PASS



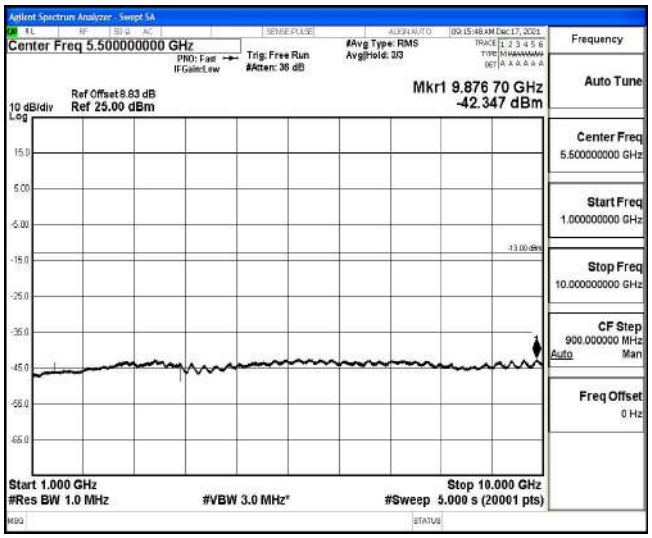
Band12-10MHz-16QAM-23095-1-0-Low-0.009-0.15--50.17-PASS



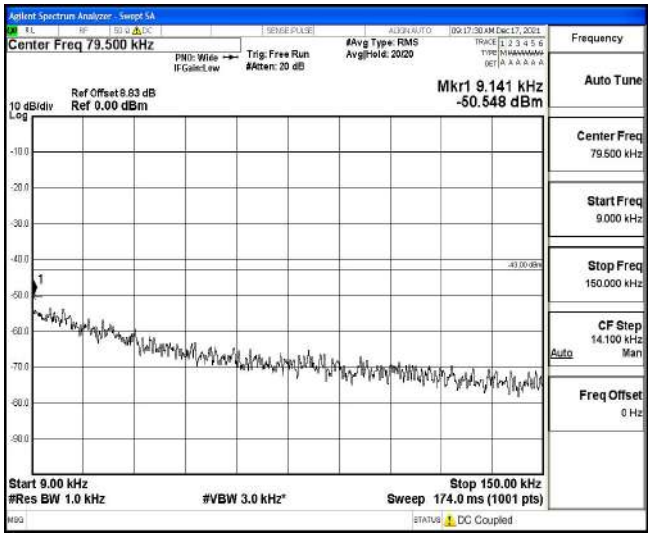
Band12-10MHz-16QAM-23095-1-0-Low-0.15-30--47.12-PASS



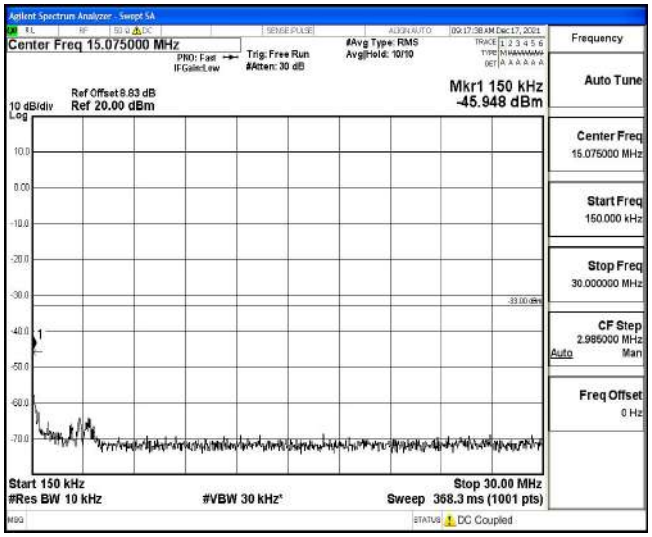
Band12-10MHz-16QAM-23095-1-0-Low-30-1000--37.17-PASS



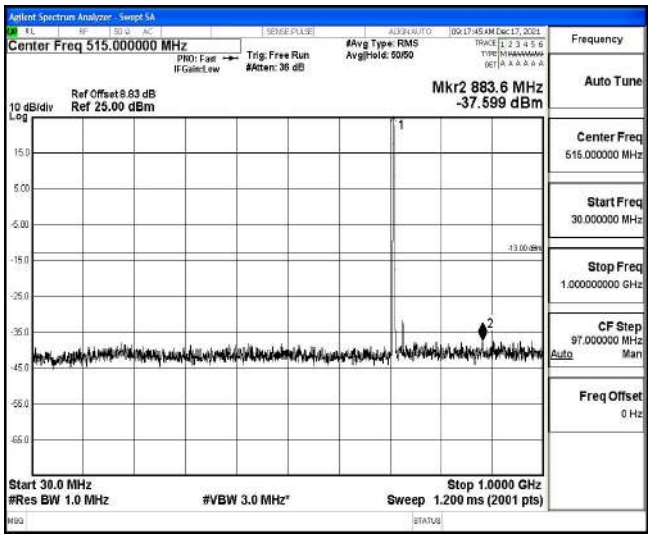
Band12-10MHz-16QAM-23095-1-0-Low-1000-10000--42.35-PASS



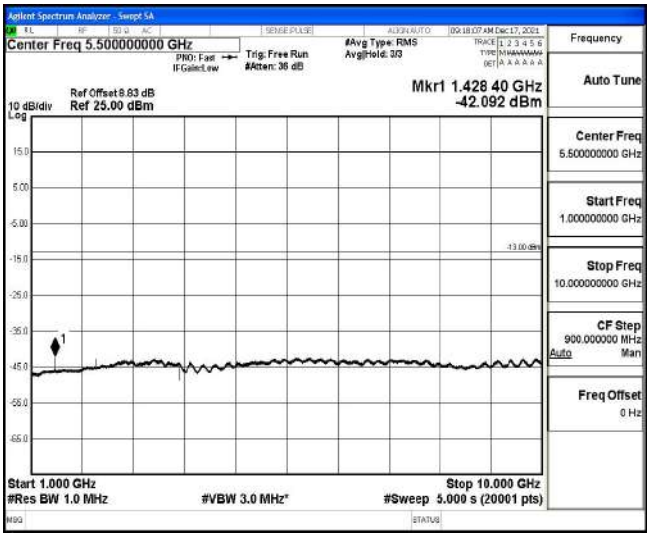
Band12-10MHz-16QAM-23130-1-0-High-0.009-0.15--50.55-PASS



Band12-10MHz-16QAM-23130-1-0-High-0.15-30--45.95-PASS



Band12-10MHz-16QAM-23130-1-0-High-30-1000--37.6-PASS



Band12-10MHz-16QAM-23130-1-0-High-1000-10000--42.09-PASS