

Appendix Test Data for LTE Band 12 (Conducted Measurement)

Product Name: 4G Mobile Phone

Trade Mark: AGM

Test Model: M10

FCC ID: 2A3DR-M10

Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A:RF output power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.53	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.51	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	20.93	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.57	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.55	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.50	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.69	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.82	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.69	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.86	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.63	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.85	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.11	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.82	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.66	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.94	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.33	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.57	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.34	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.68	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.57	PASS

Band12	1.4MHz	QPSK	23095	3RB#1	22.74	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.57	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.64	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.49	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.62	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.58	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.49	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.60	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.58	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.61	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.66	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.62	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.75	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.62	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.75	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.64	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.76	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.10	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.15	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.53	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.02	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.49	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.10	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.57	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.14	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.10	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.75	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.09	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.72	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.21	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.79	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.13	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.54	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.70	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.94	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.58	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.33	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.66	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.28	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.15	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.24	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.00	PASS

Band12	3MHz	16QAM	23095	8RB#4	21.24	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.55	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.75	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.52	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.41	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.63	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.53	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.55	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.51	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.60	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.65	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.11	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.27	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.09	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.33	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.10	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.20	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.07	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.27	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.87	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.48	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.90	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.61	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.84	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.51	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.15	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.57	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.15	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.56	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.29	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.51	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.18	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.72	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.79	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.73	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.64	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.19	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.79	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.71	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.12	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.09	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.06	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.09	PASS

Band12	5MHz	QPSK	23095	12RB#13	22.50	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.51	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.63	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.46	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.74	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.81	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.82	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.86	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.75	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.95	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.00	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.63	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.01	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.63	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.16	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.32	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.29	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.36	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.61	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.44	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.00	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.22	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.45	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.19	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.41	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.11	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.04	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.07	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.08	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.61	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.44	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.64	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.93	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.64	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.46	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.15	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.20	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.14	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.17	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.15	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.62	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.47	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.60	PASS

Band12	10MHz	QPSK	23130	1RB#0	22.63	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.96	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.57	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.92	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.56	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.08	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.39	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.56	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.39	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.61	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.18	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.32	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.95	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.59	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.70	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.47	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.62	PASS

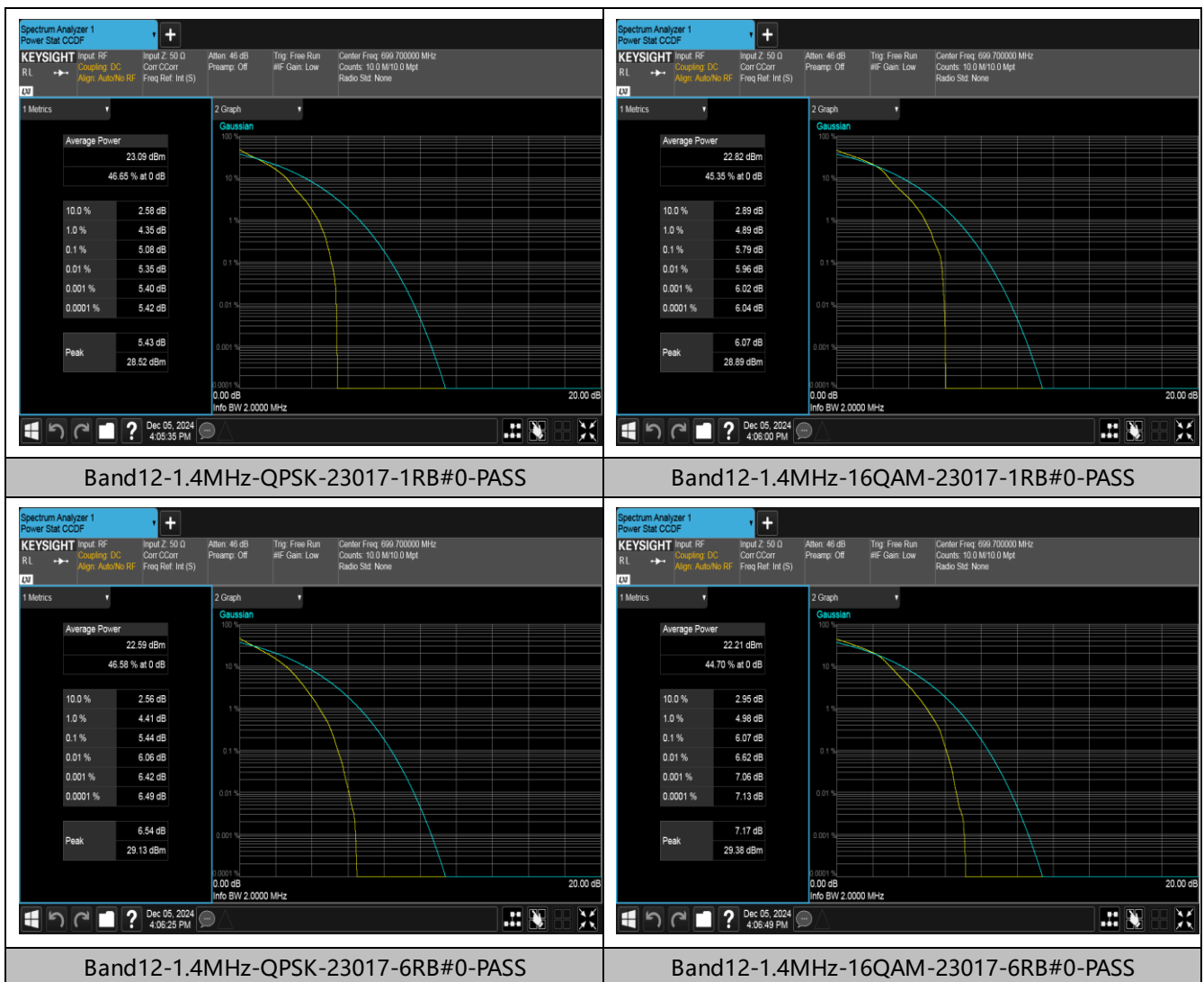
Appendix B: Peak-to-Average Ratio (CCDF)

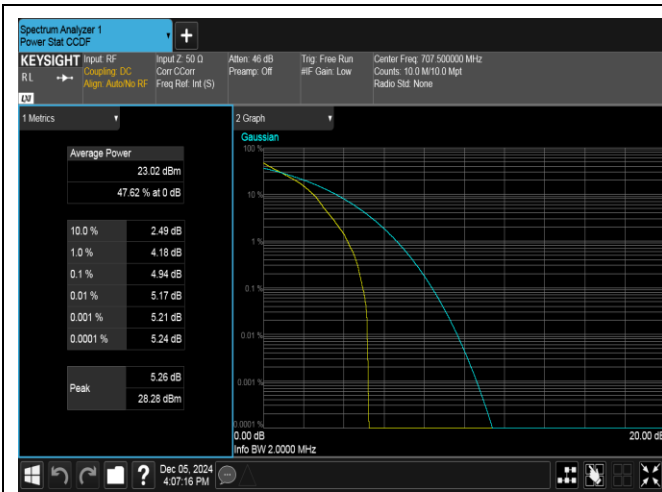
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.08	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.79	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.44	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.07	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.94	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.39	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.24	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.93	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.84	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.57	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.25	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.02	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.11	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.49	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.47	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.17	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.85	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.42	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.43	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.21	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.09	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.79	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.44	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.24	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.91	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.62	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.45	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.12	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.75	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.67	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.40	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.11	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.21	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.97	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.52	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.25	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.20	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.06	13	PASS

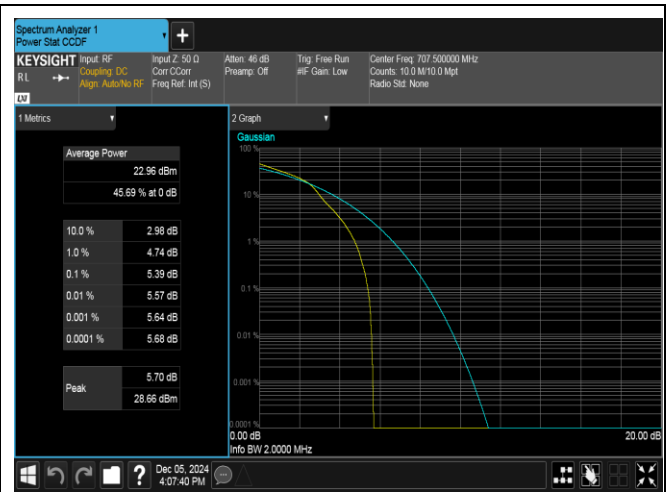
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Band12	10MHz	16QAM	23060	50RB#0	6.29	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.94	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.74	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.47	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.18	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.97	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.77	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.54	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.26	13	PASS

Test Graphs

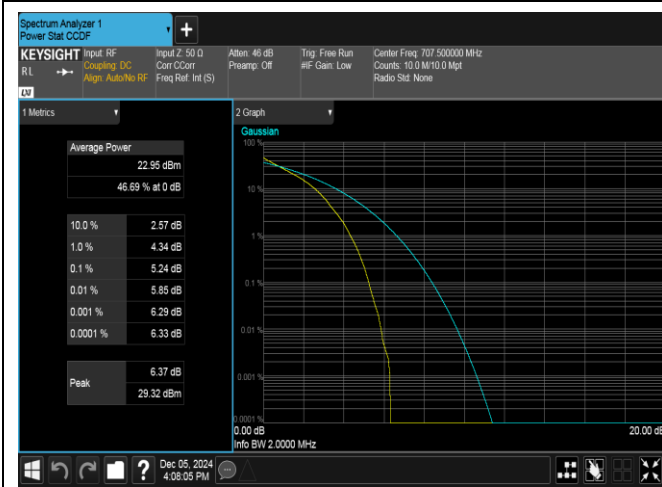




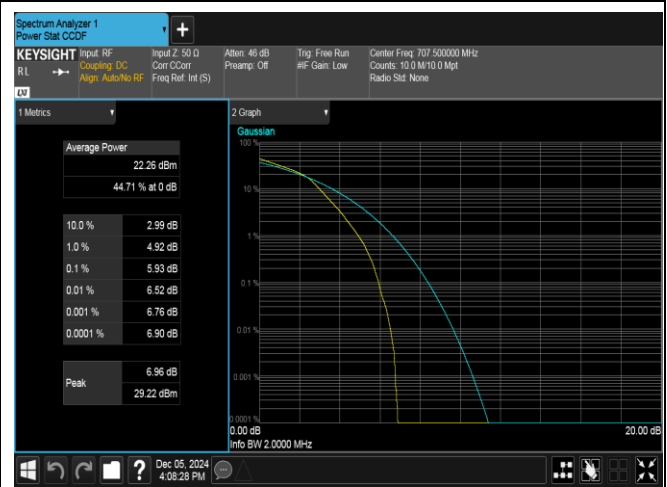
Band 12-1.4MHz-QPSK-23095-1RB#0-PASS



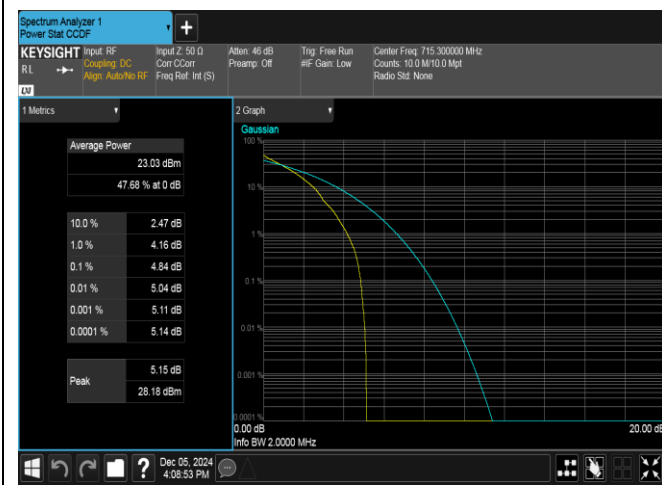
Band 12-1.4MHz-16QAM-23095-1RB#0-PASS



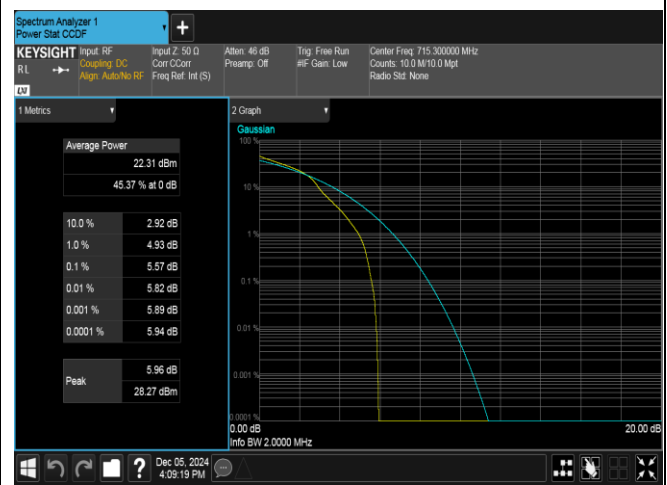
Band 12-1.4MHz-QPSK-23095-6RB#0-PASS



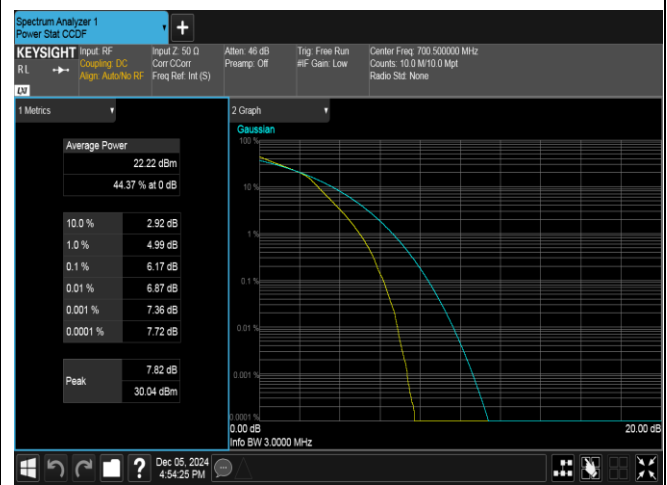
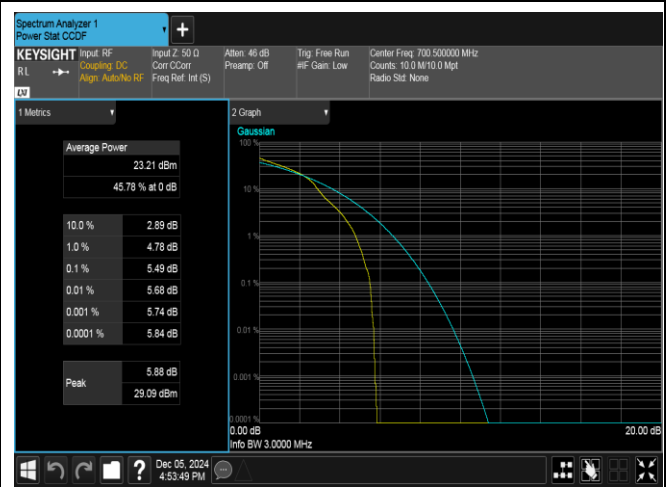
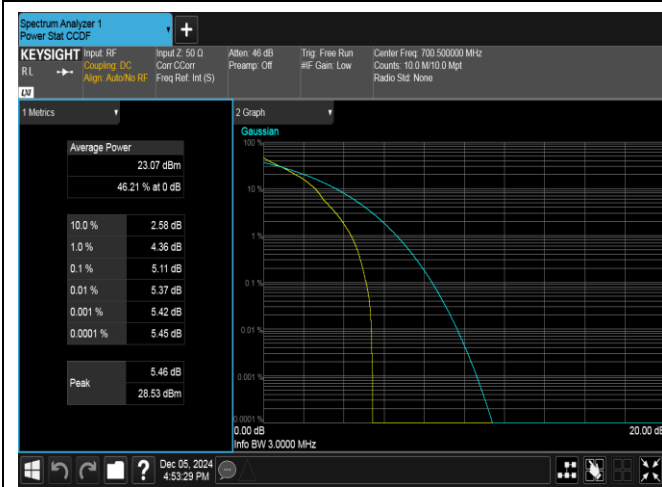
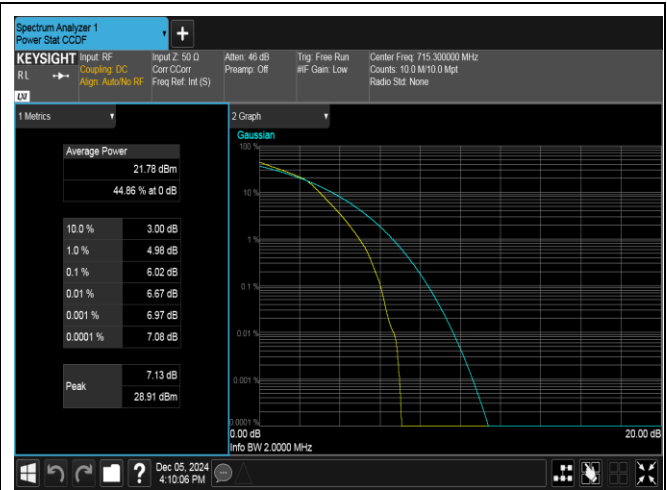
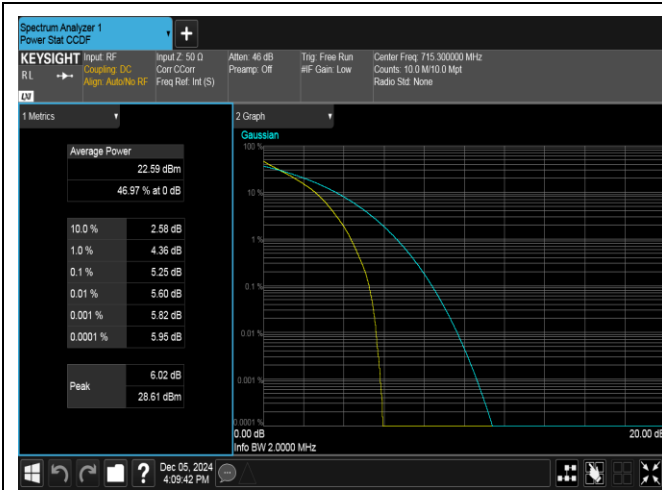
Band 12-1.4MHz-16QAM-23095-6RB#0-PASS

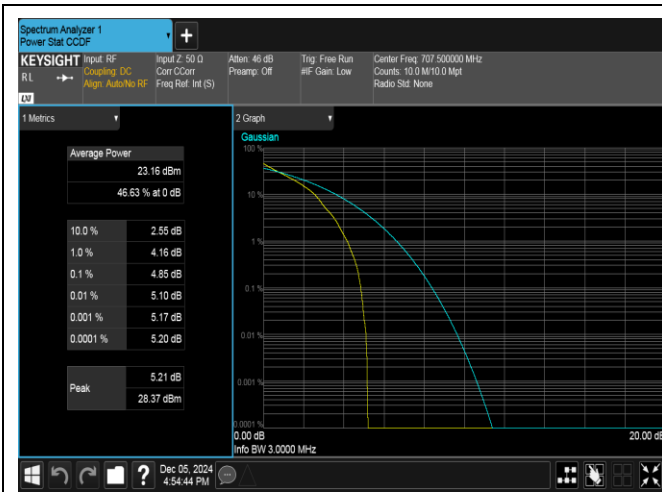


Band 12-1.4MHz-QPSK-23173-1RB#0-PASS

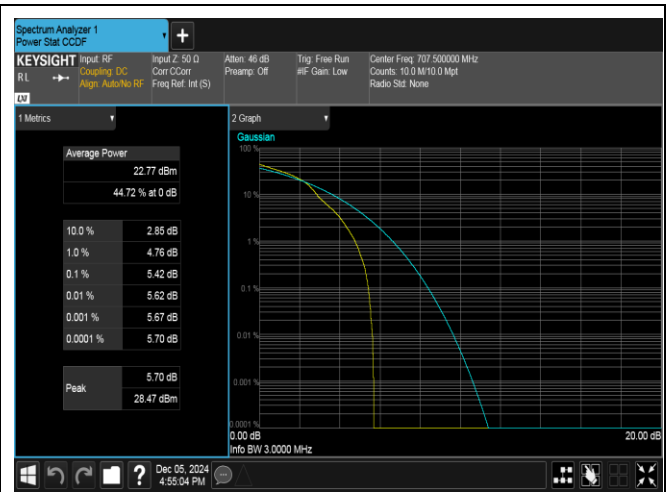


Band 12-1.4MHz-16QAM-23173-1RB#0-PASS

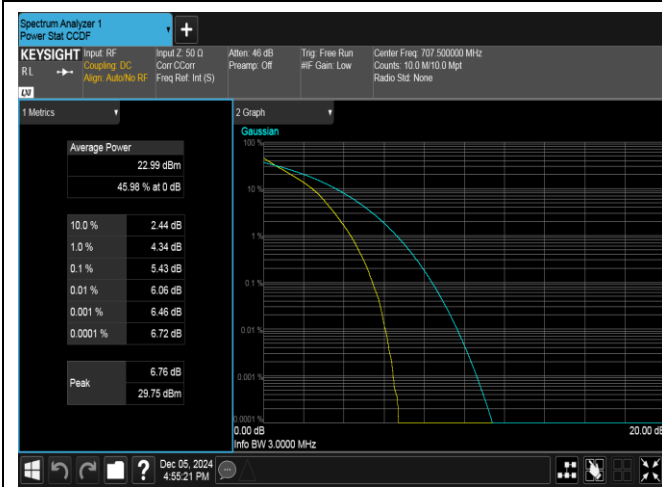




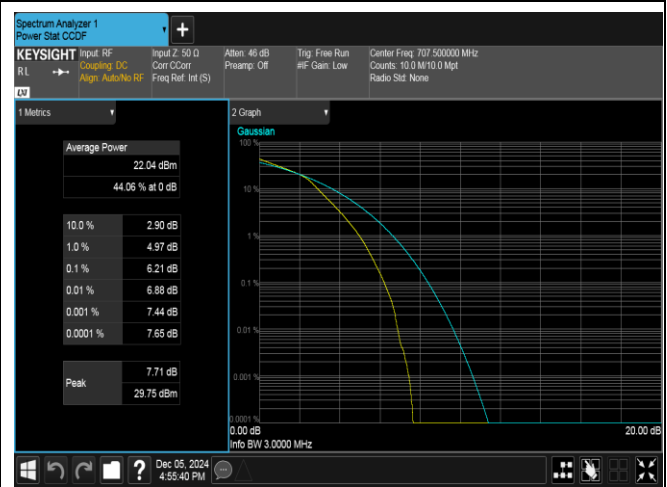
Band12-3MHz-QPSK-23095-1RB#0-PASS



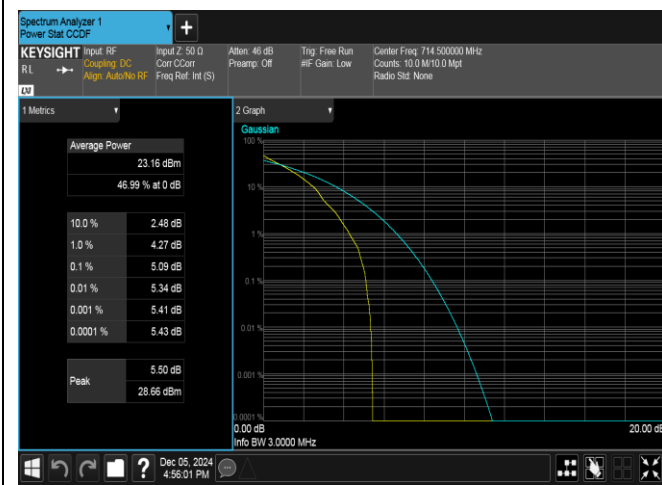
Band12-3MHz-16QAM-23095-1RB#0-PASS



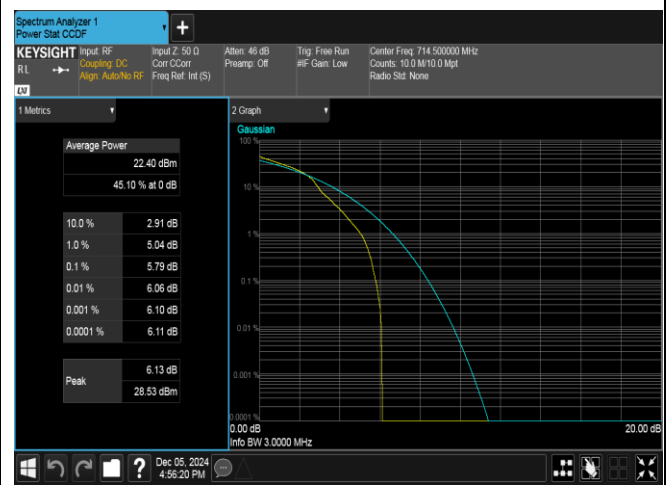
Band12-3MHz-QPSK-23095-15RB#0-PASS



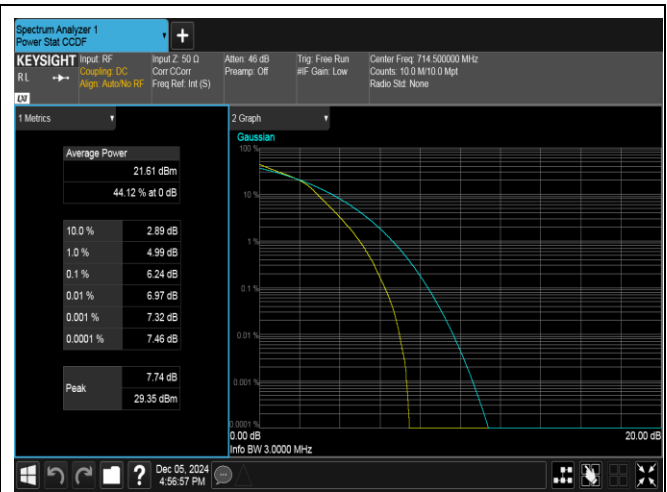
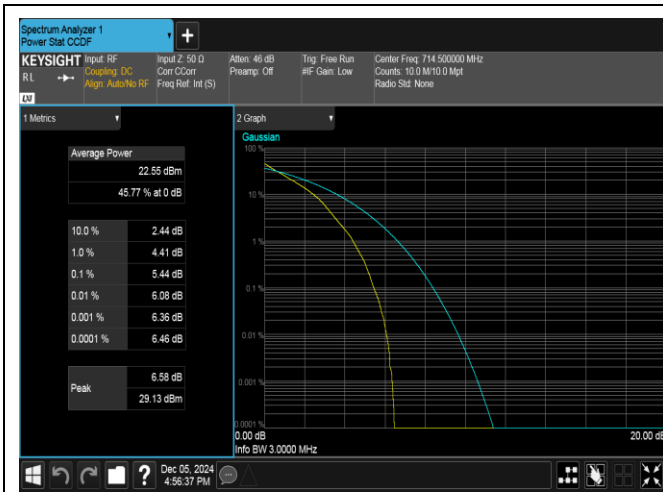
Band12-3MHz-16QAM-23095-15RB#0-PASS



Band12-3MHz-QPSK-23165-1RB#0-PASS

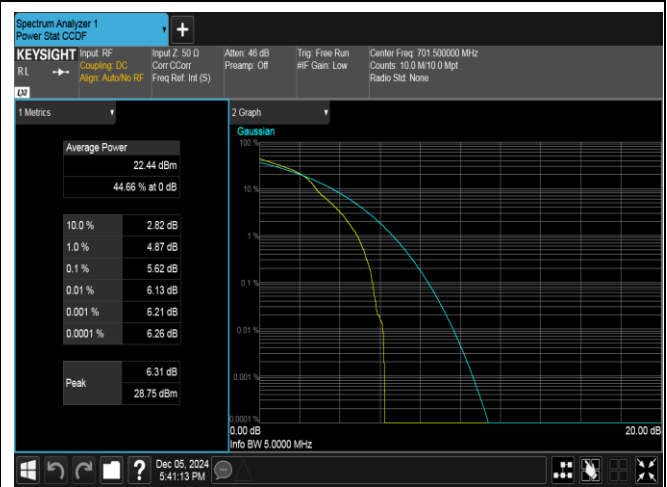
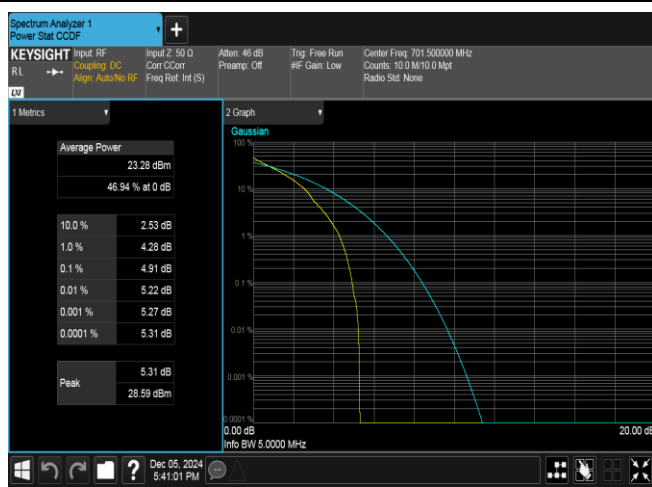


Band12-3MHz-16QAM-23165-1RB#0-PASS



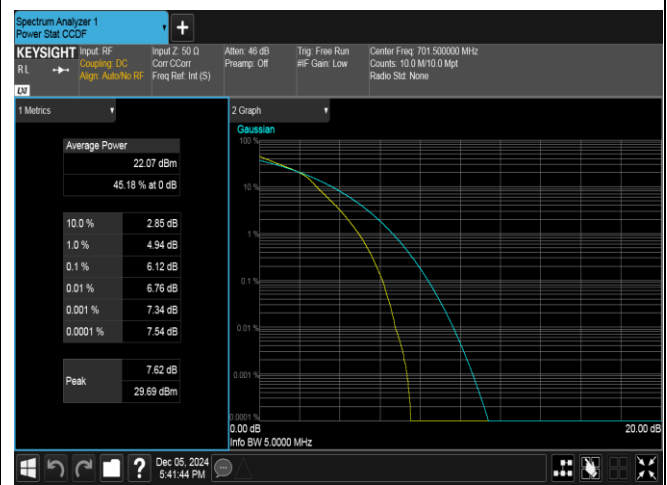
Band12-3MHz-QPSK-23165-15RB#0-PASS

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



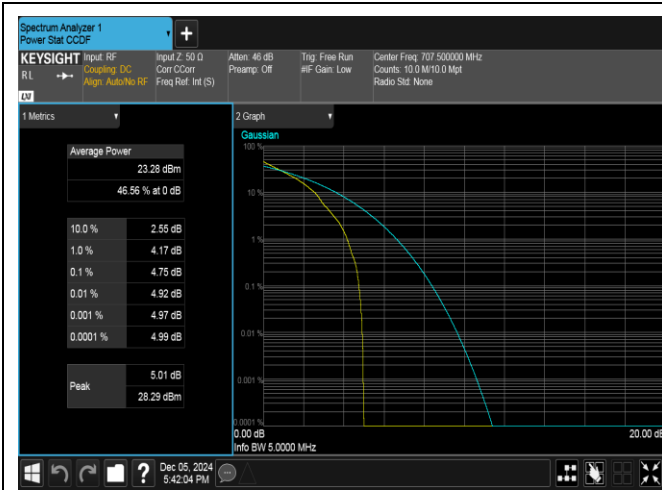
Band12-5MHz-QPSK-23035-1RB#0-PASS

Band12-5MHz-16QAM-23035-1RB#0-PASS

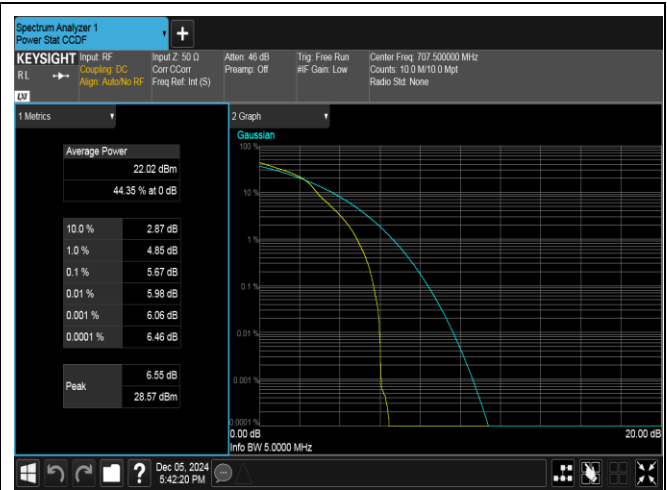


Band12-5MHz-QPSK-23035-25RB#0-PASS

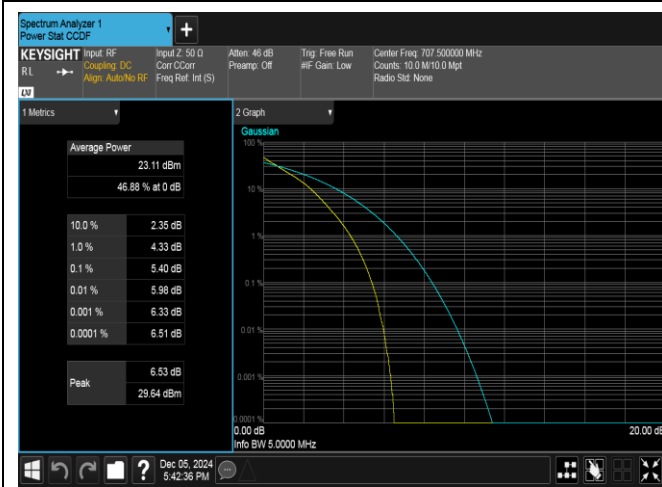
Band12-5MHz-16QAM-23035-25RB#0-PASS



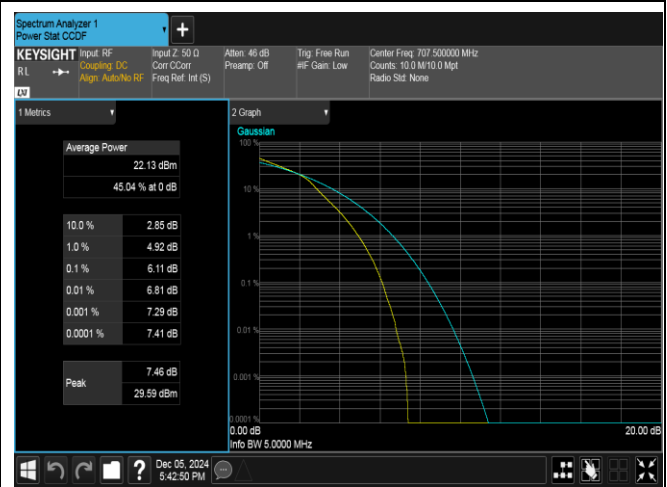
Band12-5MHz-QPSK-23095-1RB#0-PASS



Band12-5MHz-16QAM-23095-1RB#0-PASS



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



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



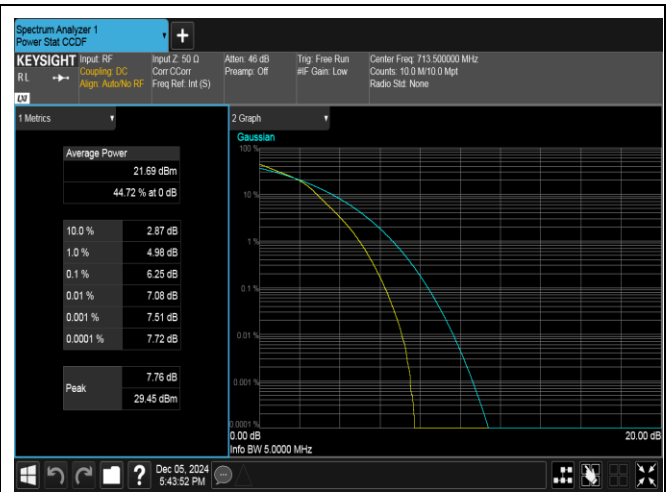
Band12-5MHz-QPSK-23155-1RB#0-PASS



Band12-5MHz-16QAM-23155-1RB#0-PASS



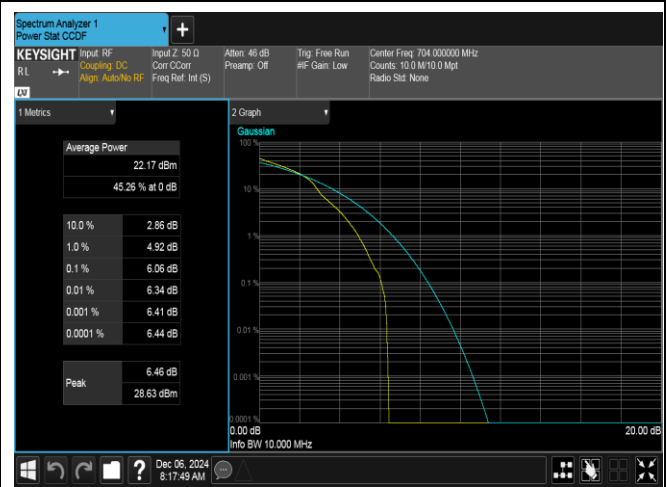
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Band12-5MHz-16QAM-23155-25RB#0-PASS



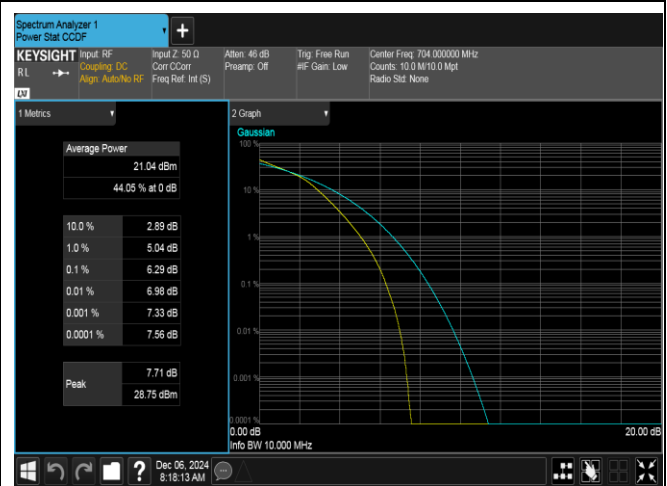
Band12-10MHz-QPSK-23060-1RB#0-PASS



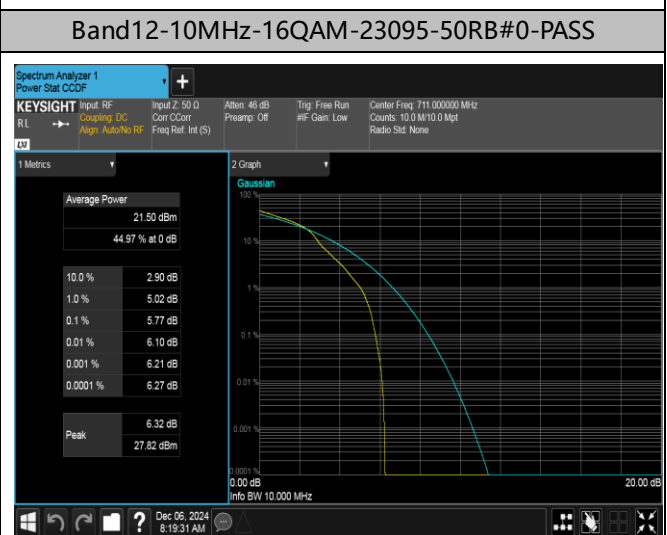
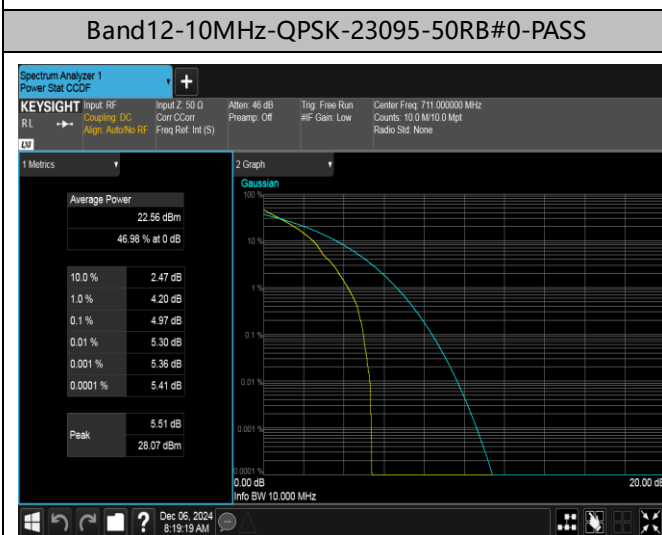
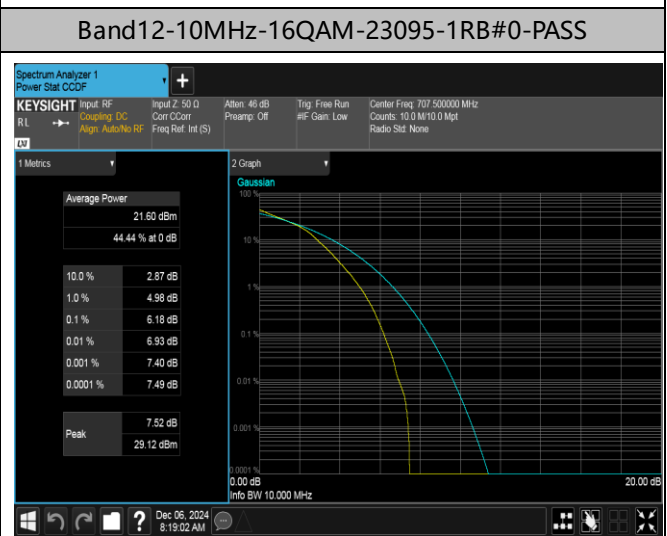
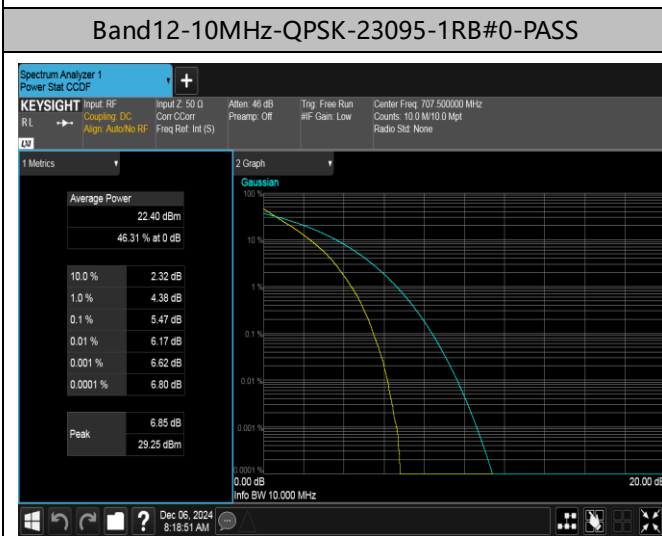
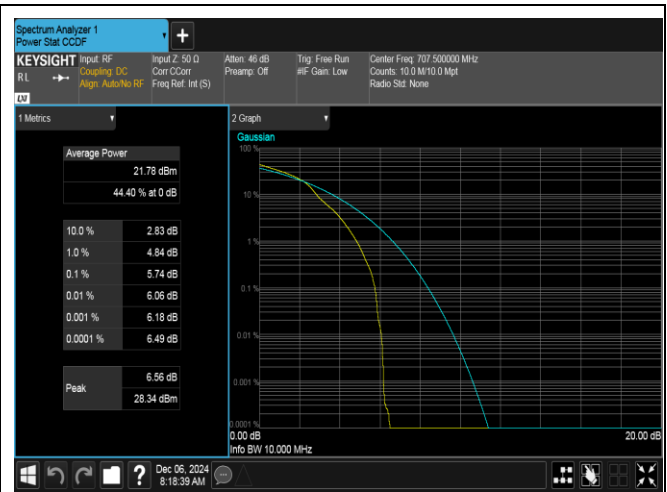
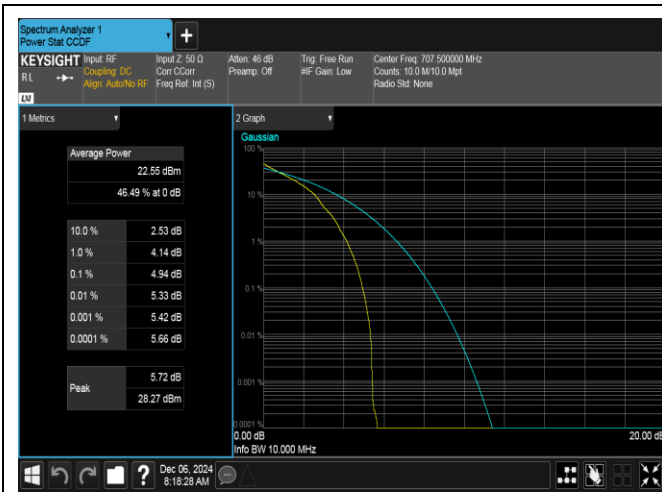
Band12-10MHz-16QAM-23060-1RB#0-PASS

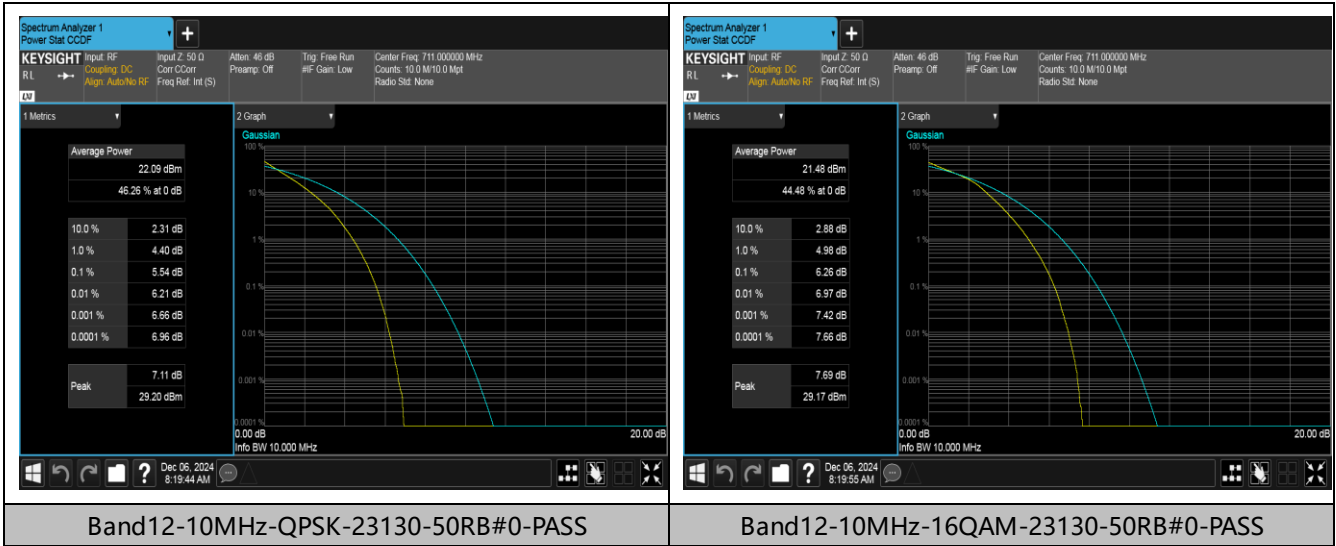


Band12-10MHz-QPSK-23060-50RB#0-PASS



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





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

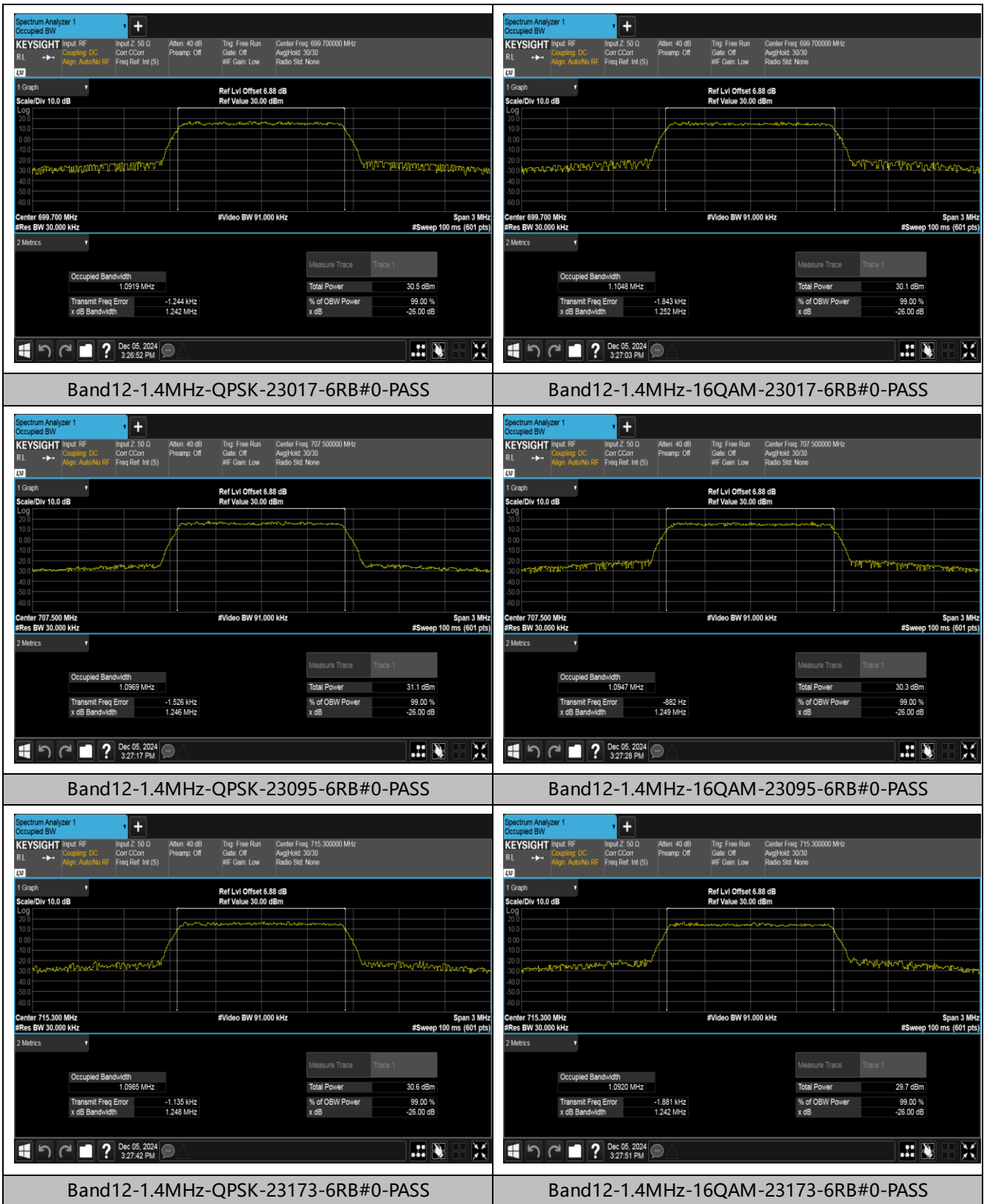
Band12-10MHz-16QAM-23130-50RB#0-PASS

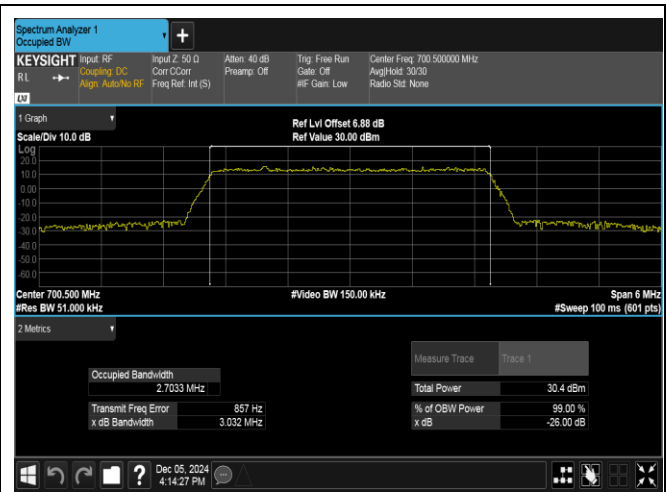
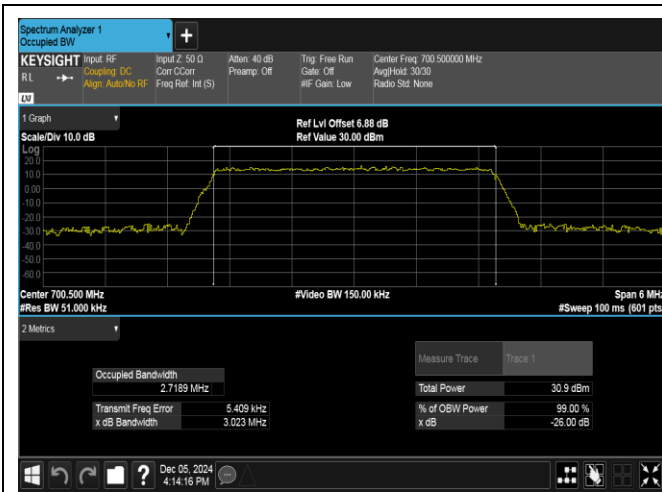
Appendix C: Occupied bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0919	1.242	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1048	1.252	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0969	1.246	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0947	1.249	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0985	1.248	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0920	1.242	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7189	3.023	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7033	3.032	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7056	3.022	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7078	3.050	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7085	3.030	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7024	3.015	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5142	4.979	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5071	4.977	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5033	4.965	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5098	4.982	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5105	4.986	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5305	5.001	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9942	9.878	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9840	9.927	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9901	9.918	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9731	9.922	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9790	9.853	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9916	9.921	PASS

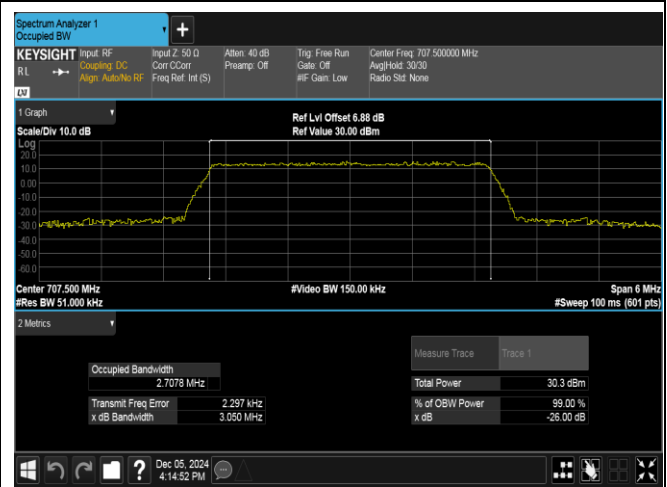
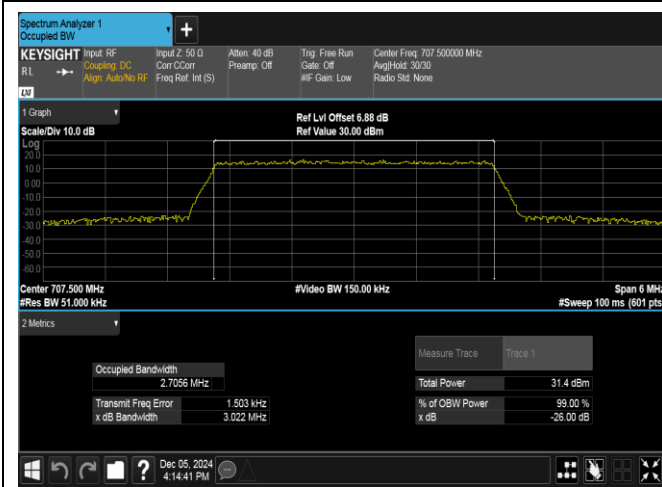
Test Graphs





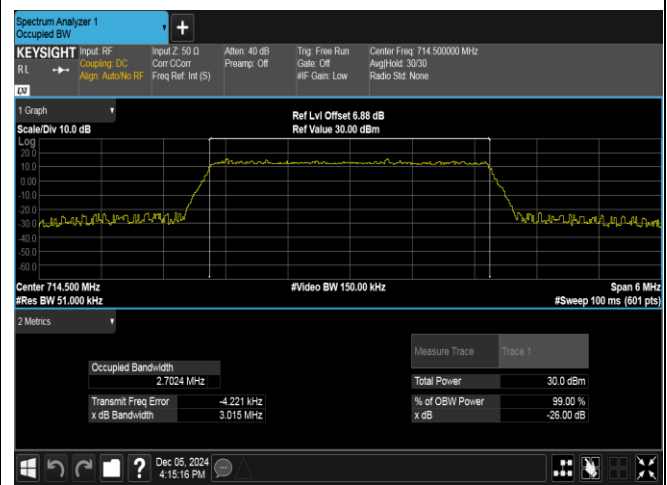
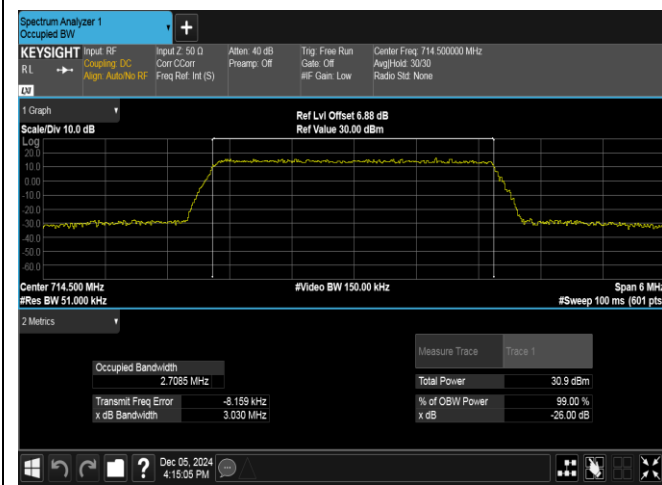
Band12-3MHz-QPSK-23025-15RB#0-PASS

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



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

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



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

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