

LTE Test Data-BAND 12

General Description of EUT	
Product Name:	4G Battery Camera
Test Model:	CQ3
Sample ID:	HC-C-202404-0112-04-01
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 5V
Test Engineer:	Mike Yan
Note: For a more detailed features description, please refer to the report TBR-C-202404-0112-41. The report only show the worst case data.	

Contents

LTE Test Data-BAND 12	1
1: Conducted Power Output Data.....	3
Test Result	3
2: Peak-to-Average Ratio(CCDF).....	6
Test Result	6
Test Graphs.....	8
3: 26dB Bandwidth and Occupied Bandwidth	16
Test Result	16
Test Graphs.....	17
4: Band Edge	21
Test Result	21
Test Graphs.....	23
5: Conducted Spurious Emission.....	31
Test Result	31
Test Graphs.....	37
6: Frequency Stability	95
Test Result	95

1: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.34	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.28	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.20	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.14	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.08	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.02	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.97	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.17	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.13	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.11	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.04	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.01	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.02	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.87	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.26	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.61	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.38	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.76	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.73	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.31	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.09	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.14	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.22	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.15	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.92	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.87	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.82	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.01	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.89	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.87	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	21.85	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.66	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.63	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.64	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.81	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.43	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.09	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.79	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.25	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.22	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.91	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.41	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.56	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.48	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.61	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.56	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.64	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.53	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.58	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.45	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.35	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.47	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.47	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.43	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.39	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.82	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.67	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.72	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.99	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.08	PASS

Band12	3MHz	QPSK	23165	8RB#7	22.70	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.86	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.54	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.79	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.61	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.74	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.84	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.81	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.62	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.37	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.34	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.35	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.49	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.48	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.42	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.62	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.98	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.95	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.10	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.00	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.97	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.62	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.70	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.35	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.33	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.55	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.29	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.31	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.43	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.33	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.71	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.35	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.65	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.33	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.35	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.35	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.34	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.99	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.14	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.22	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.07	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.04	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.82	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.94	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.15	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.06	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.31	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.40	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.39	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.52	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.31	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.66	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.36	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.64	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.49	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.50	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.48	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.37	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.88	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.99	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.27	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.07	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.06	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.83	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.95	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.29	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.34	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.28	PASS

Band12	10MHz	QPSK	23060	25RB#0	22.37	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.41	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.34	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.51	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.80	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.44	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.21	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.58	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.60	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.70	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.61	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.63	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.83	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.61	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.57	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.59	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.12	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.85	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.65	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.52	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.37	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.61	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.53	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.51	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.74	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.16	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.90	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.64	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.63	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.72	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.55	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.79	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.71	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.59	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.58	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.09	PASS

2: Peak-to-Average Ratio(CCDF)

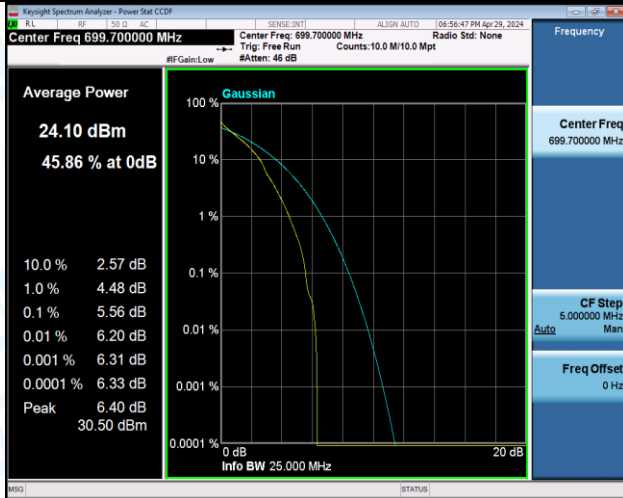
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.56	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.74	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.53	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.58	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.00	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.42	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.58	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.37	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.01	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.41	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.95	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.10	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.60	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.48	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.21	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.43	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.69	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.24	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.26	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.18	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.02	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.12	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.77	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.00	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.28	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.67	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.03	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.50	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.94	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.31	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.97	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.23	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.88	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.09	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.74	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.95	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.42	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.58	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.22	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.41	13	PASS

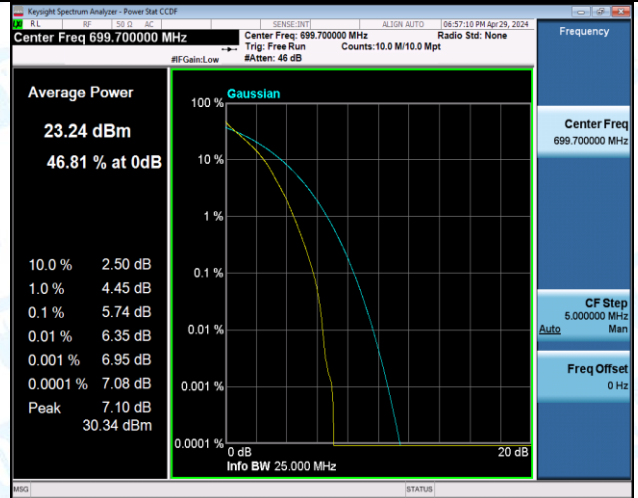
Band12	10MHz	QPSK	23130	1RB#0	5.28	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.55	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.18	13	PASS
Band12	10MHz	16QAM	23060	27RB#0	6.44	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.01	13	PASS
Band12	10MHz	16QAM	23095	27RB#0	6.27	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.04	13	PASS
Band12	10MHz	16QAM	23130	27RB#0	6.28	13	PASS

Test Graphs

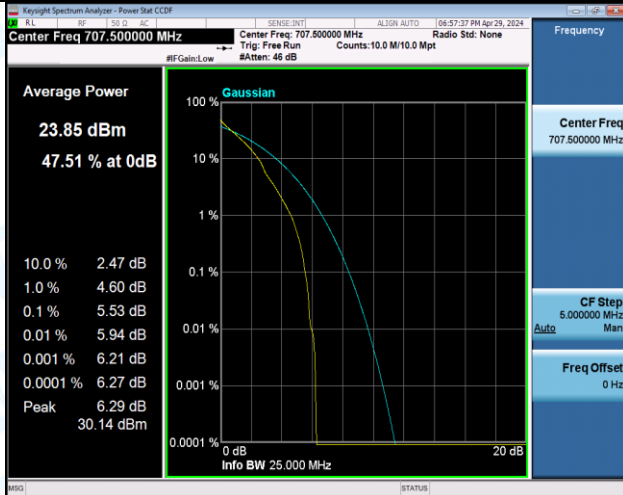
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



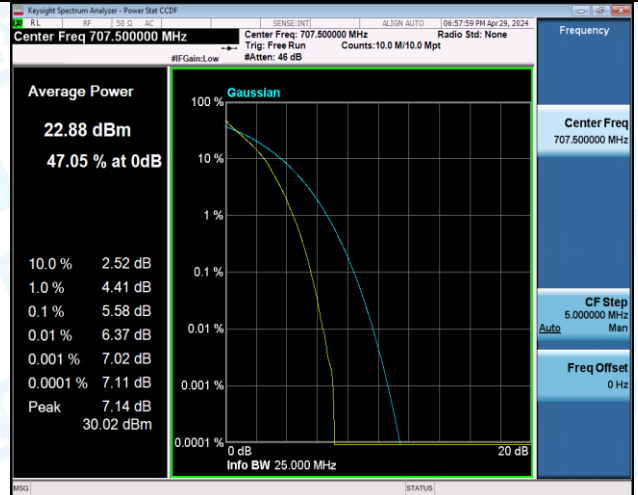
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



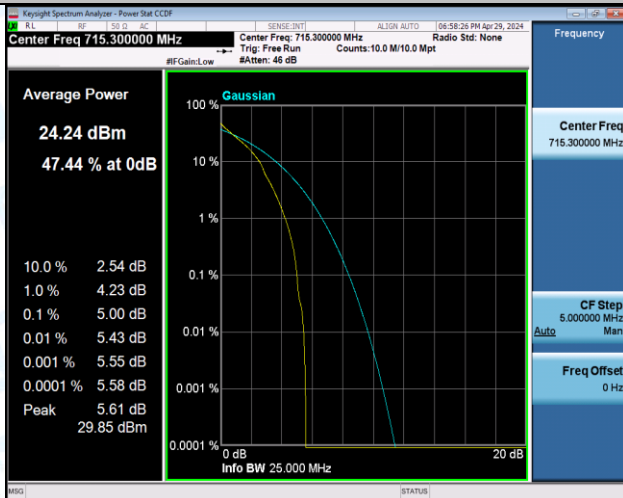
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



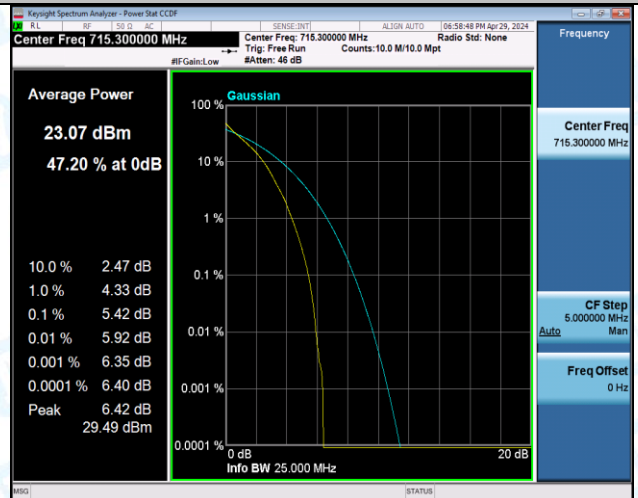
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



Band12-1.4MHz-QPSK-23173-1RB#0-PASS

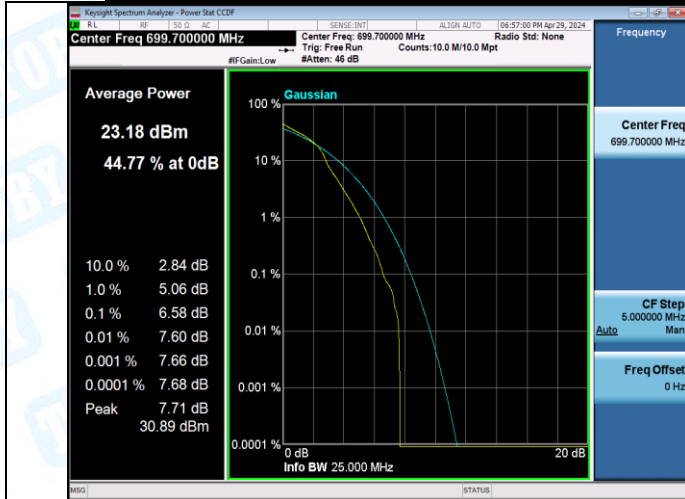


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

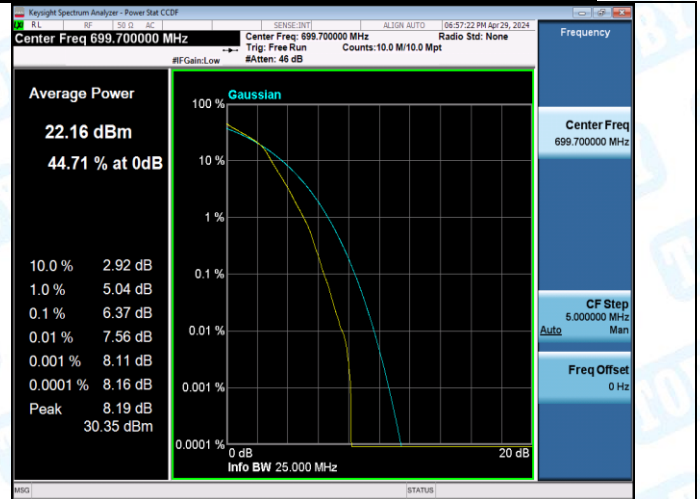


Band12-1.4MHz-16QAM-23017-1RB#0-PASS

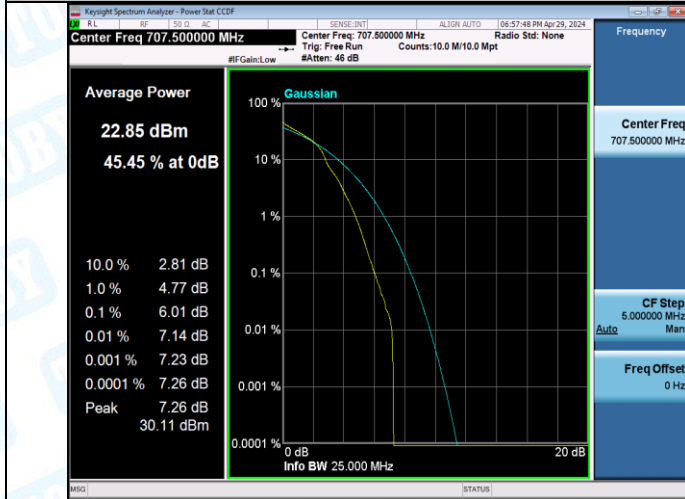
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



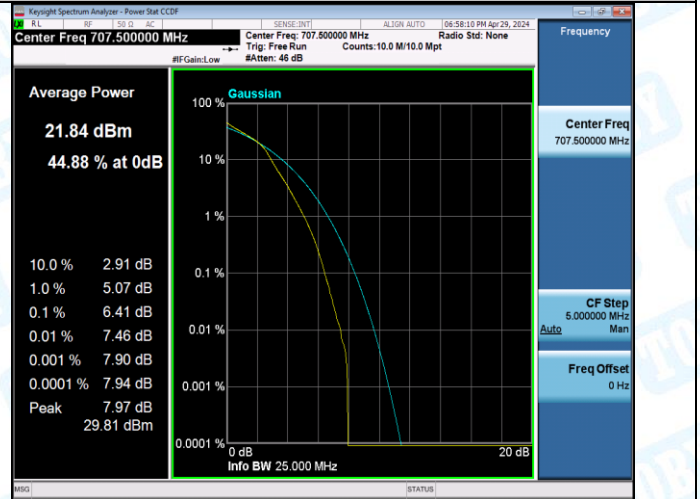
Band12-1.4MHz-16QAM-23095-1RB#0-PASS



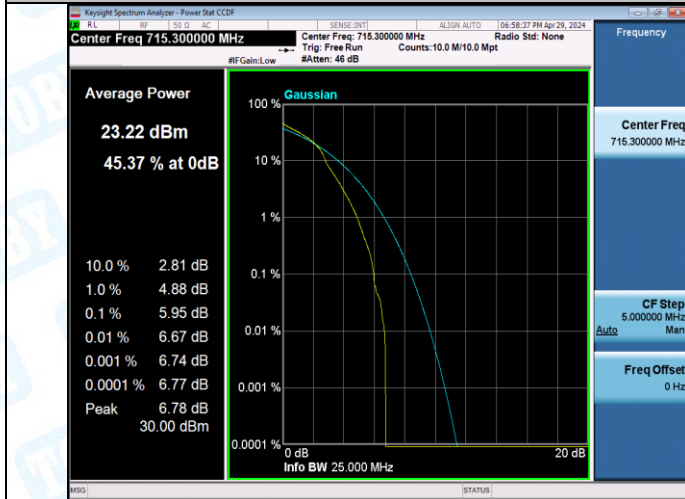
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



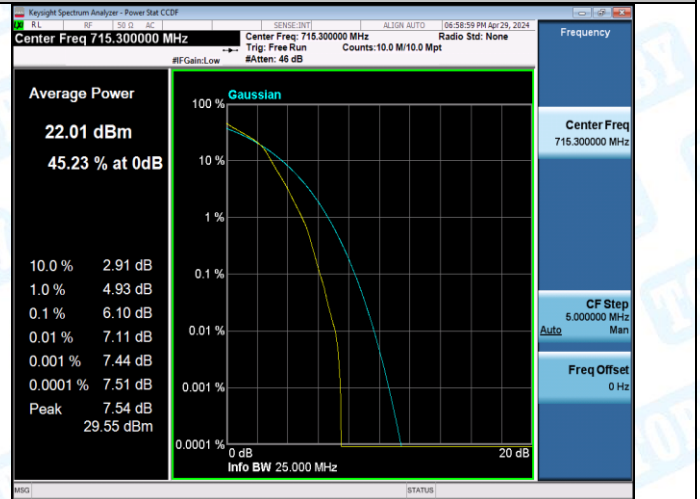
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



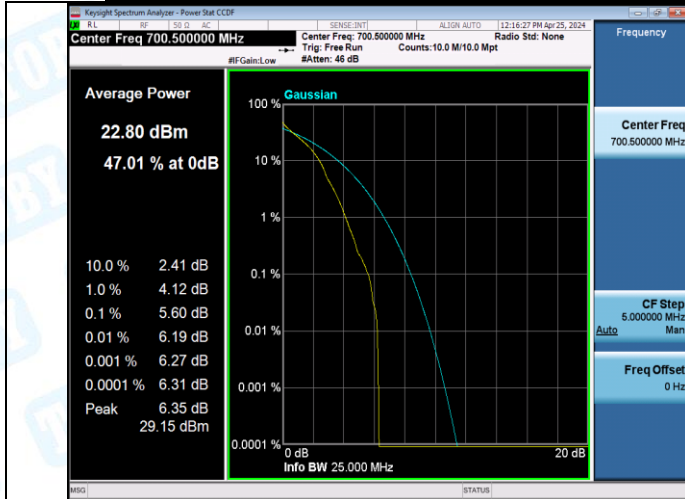
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



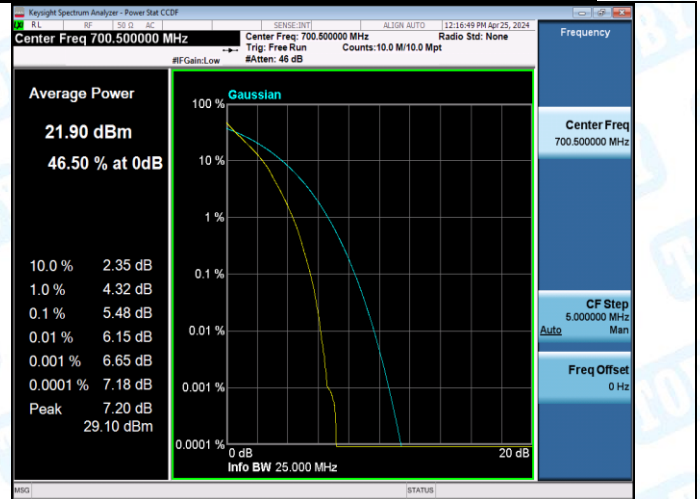
Band12-3MHz-QPSK-23025-1RB#0-PASS



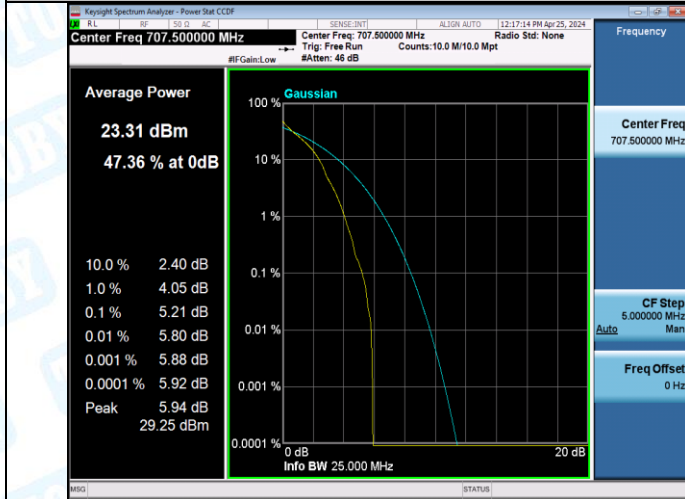
Band12-3MHz-QPSK-23025-15RB#0-PASS



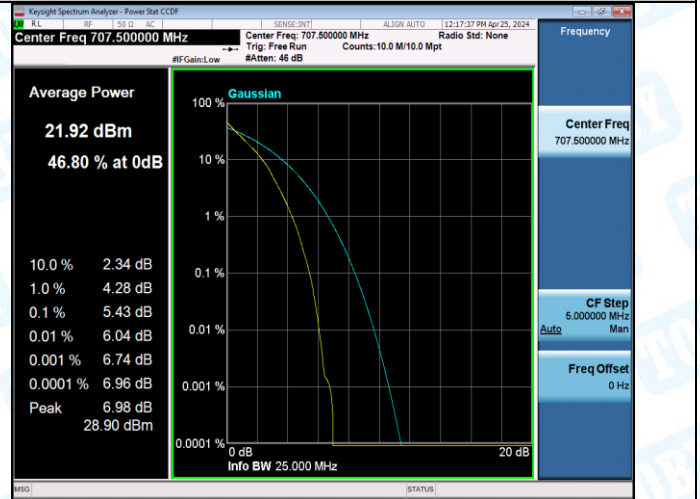
Band12-3MHz-QPSK-23095-1RB#0-PASS



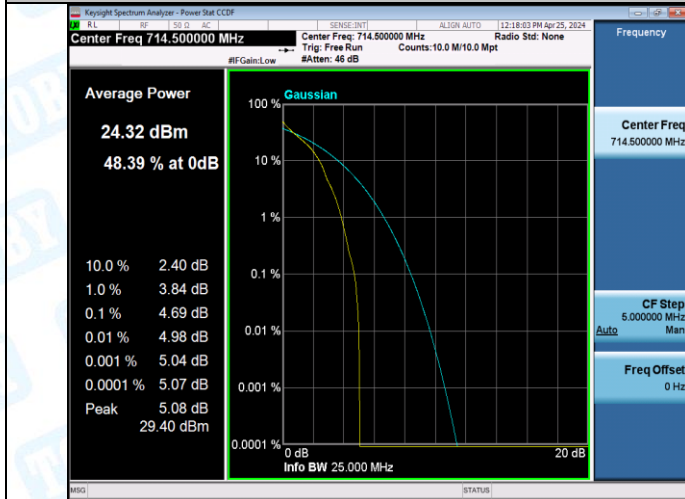
Band12-3MHz-QPSK-23095-15RB#0-PASS



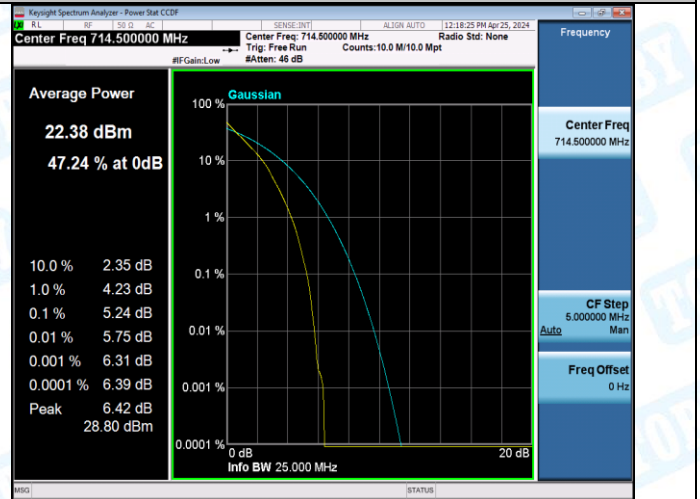
Band12-3MHz-QPSK-23165-1RB#0-PASS



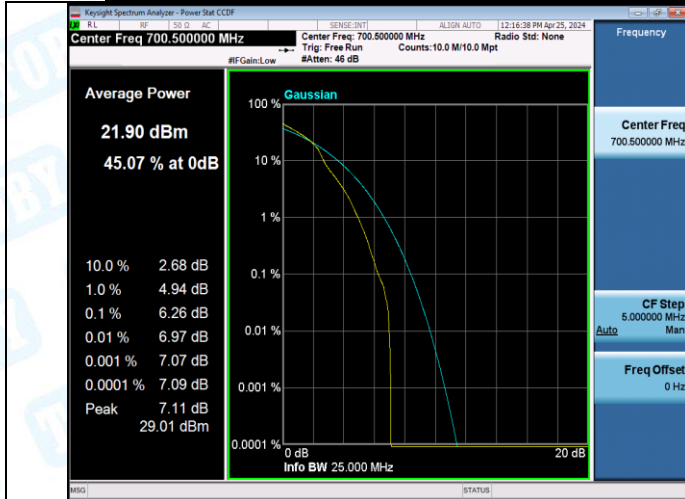
Band12-3MHz-QPSK-23165-15RB#0-PASS



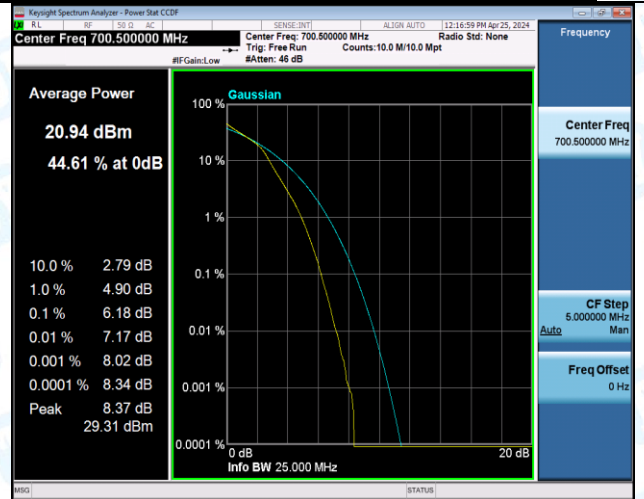
Band12-3MHz-16QAM-23025-1RB#0-PASS



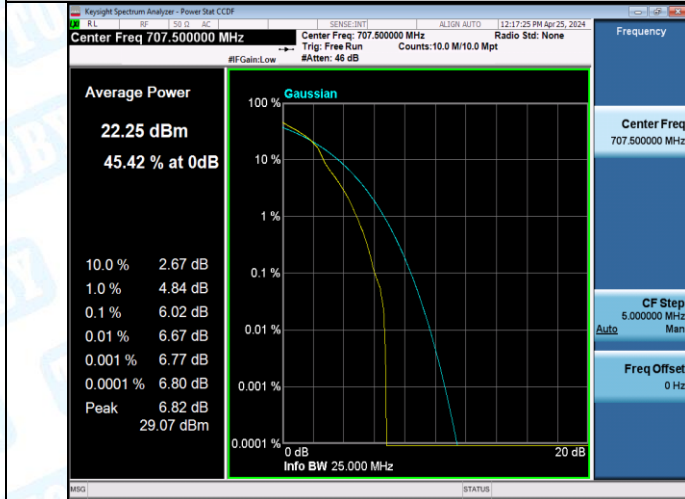
Band12-3MHz-16QAM-23025-15RB#0-PASS



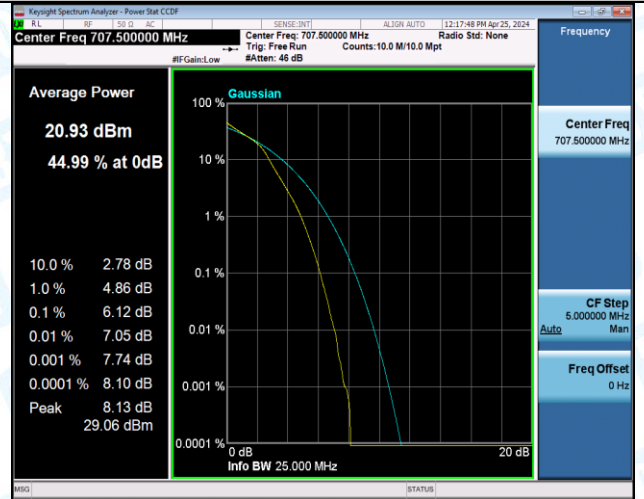
Band12-3MHz-16QAM-23095-1RB#0-PASS



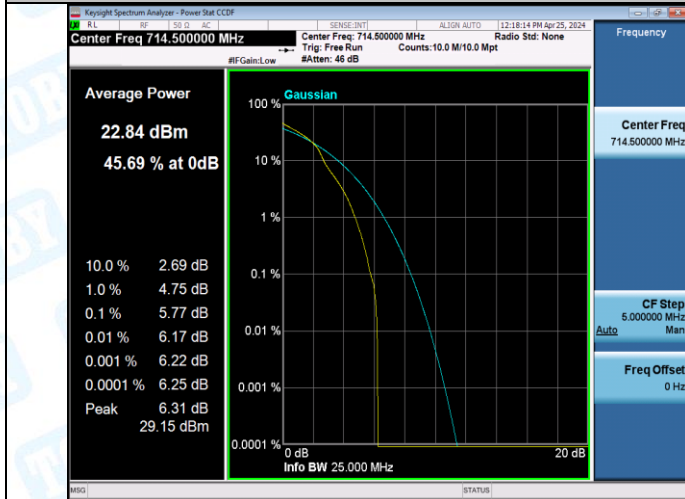
Band12-3MHz-16QAM-23095-15RB#0-PASS



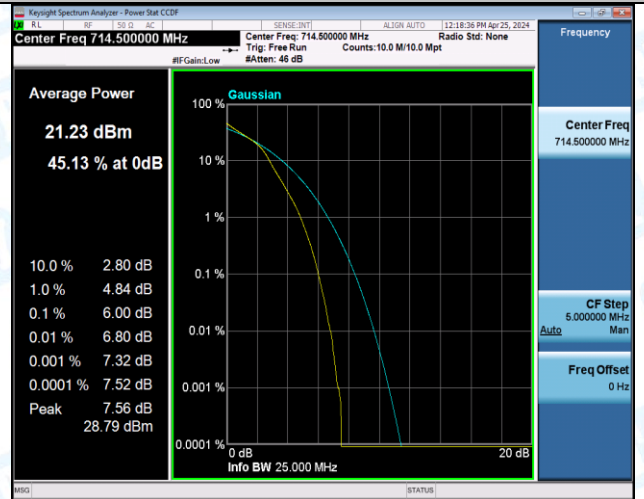
Band12-3MHz-16QAM-23165-1RB#0-PASS



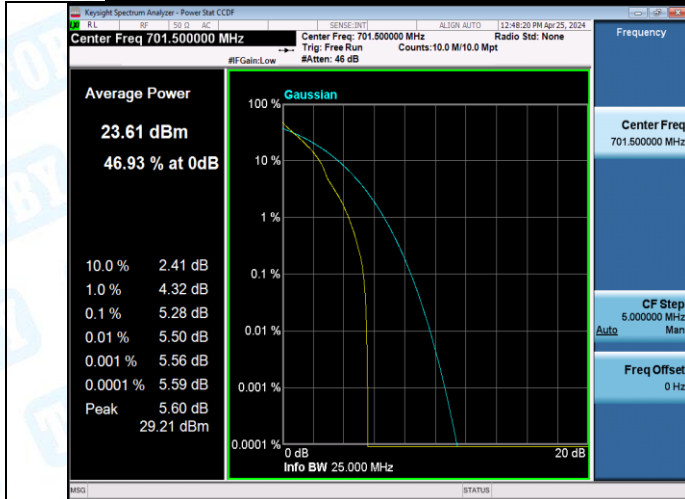
Band12-3MHz-16QAM-23165-15RB#0-PASS



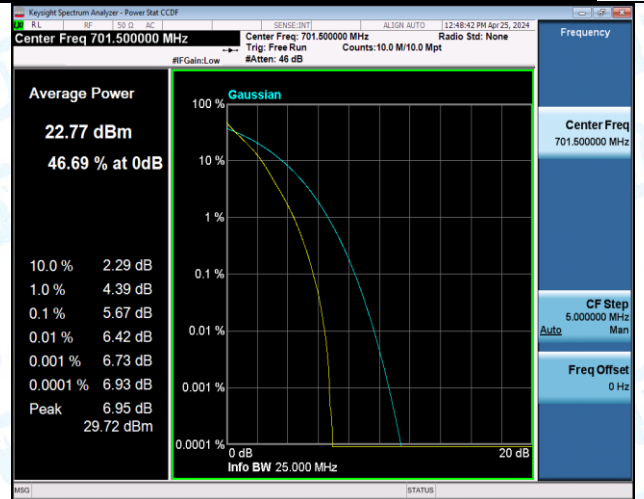
Band12-5MHz-QPSK-23035-1RB#0-PASS



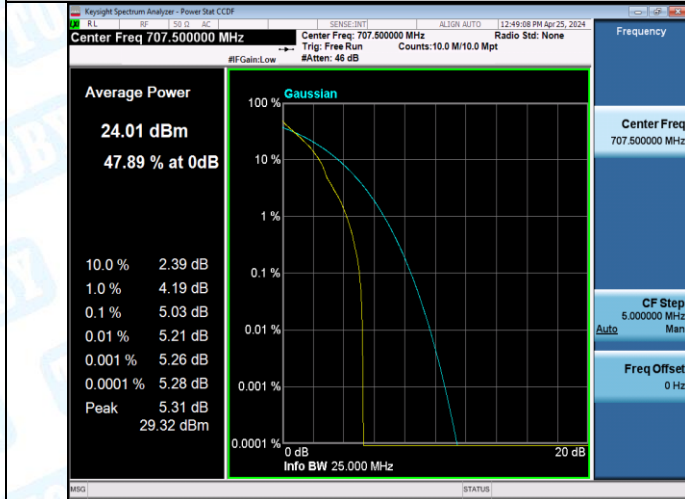
Band12-5MHz-QPSK-23035-25RB#0-PASS



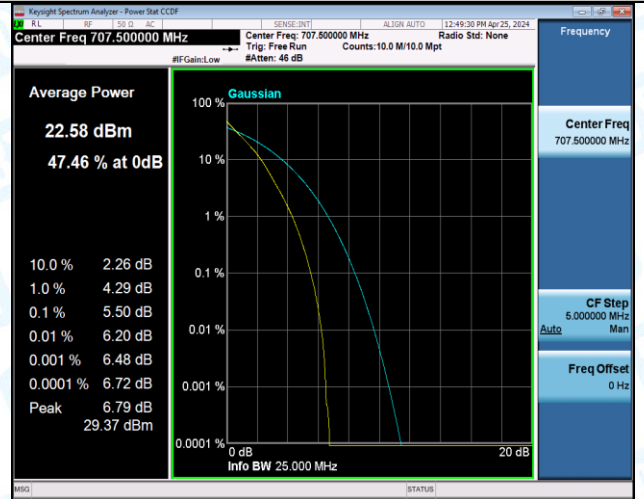
Band12-5MHz-QPSK-23095-1RB#0-PASS



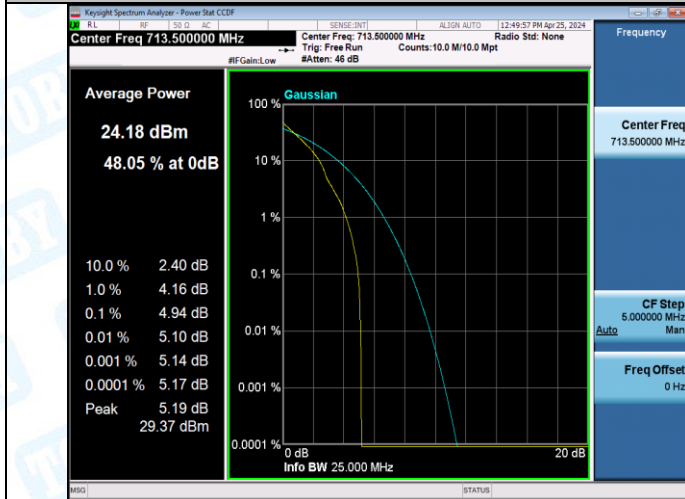
Band12-5MHz-QPSK-23095-25RB#0-PASS



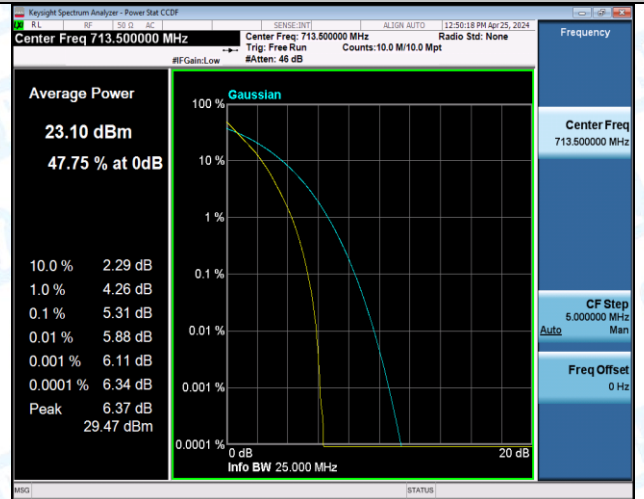
Band12-5MHz-QPSK-23155-1RB#0-PASS



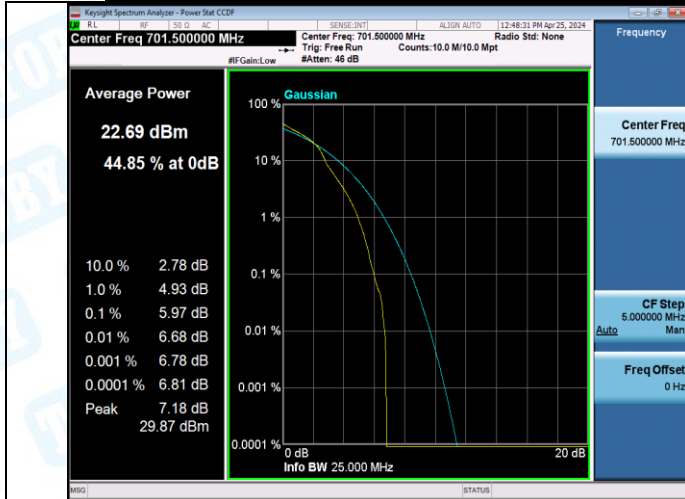
Band12-5MHz-QPSK-23155-25RB#0-PASS



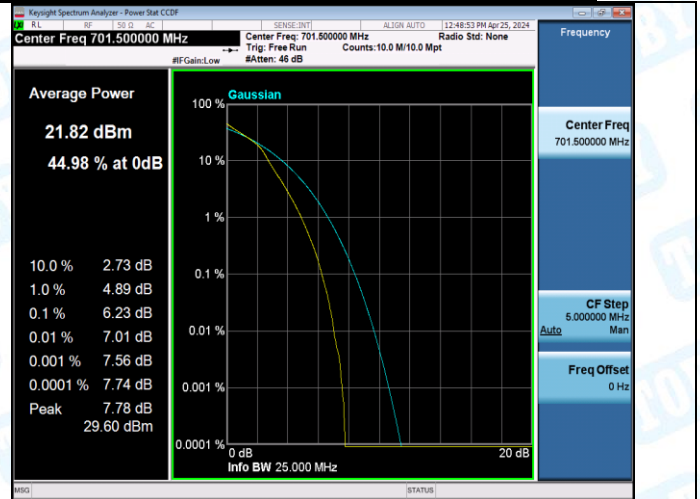
Band12-5MHz-16QAM-23035-1RB#0-PASS



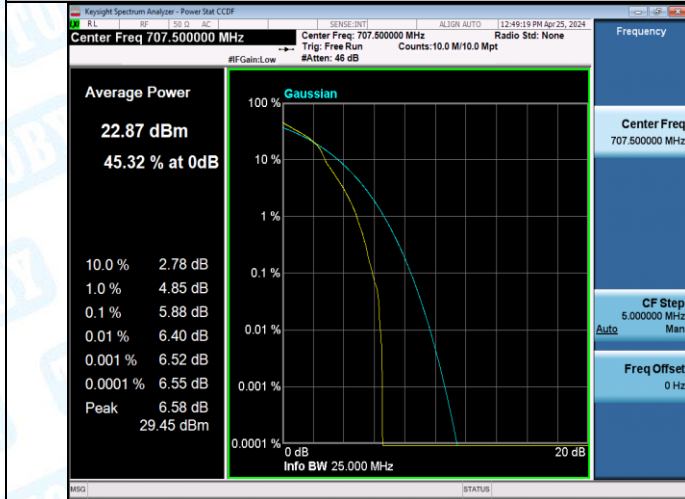
Band12-5MHz-16QAM-23035-25RB#0-PASS



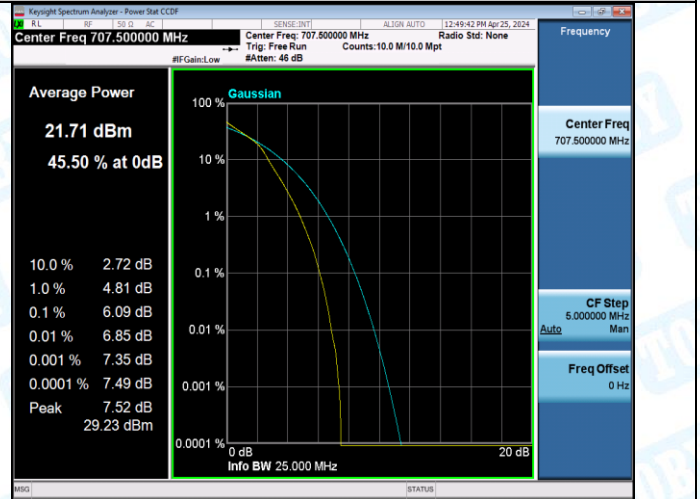
Band12-5MHz-16QAM-23095-1RB#0-PASS



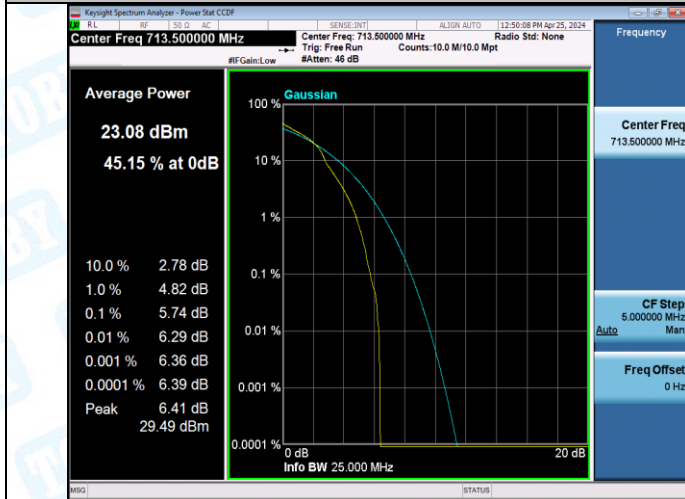
Band12-5MHz-16QAM-23095-25RB#0-PASS



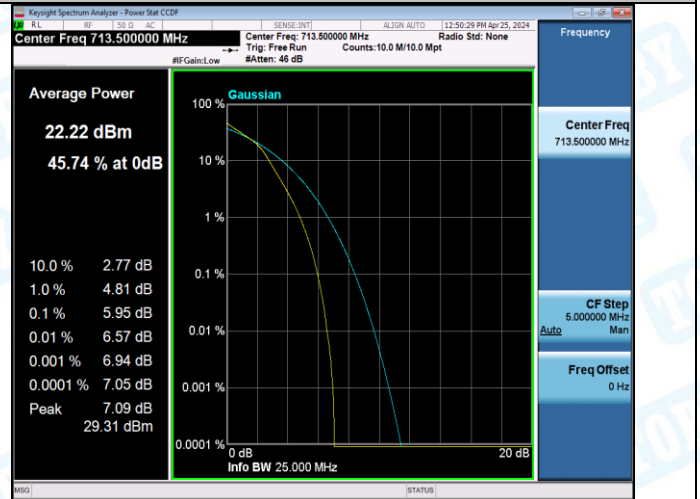
Band12-5MHz-16QAM-23155-1RB#0-PASS



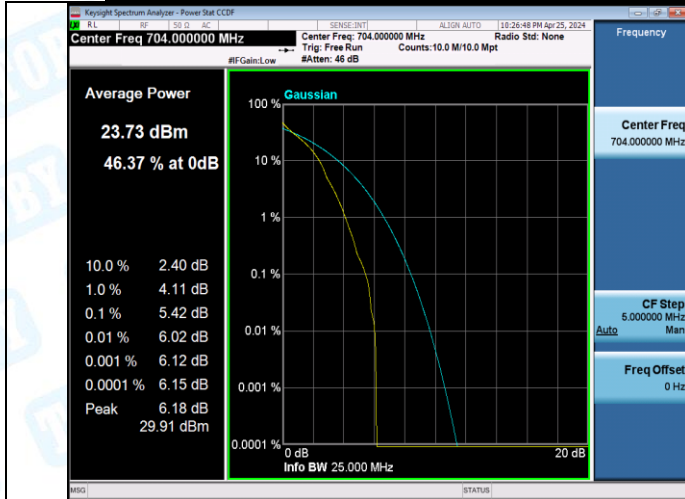
Band12-5MHz-16QAM-23155-25RB#0-PASS



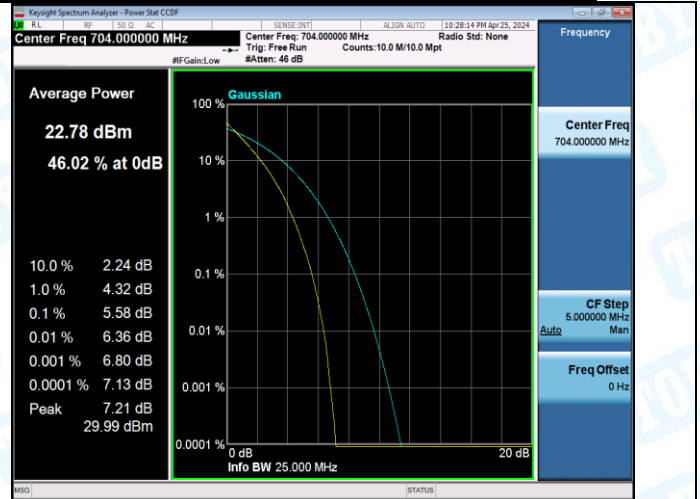
Band12-10MHz-QPSK-23060-1RB#0-PASS



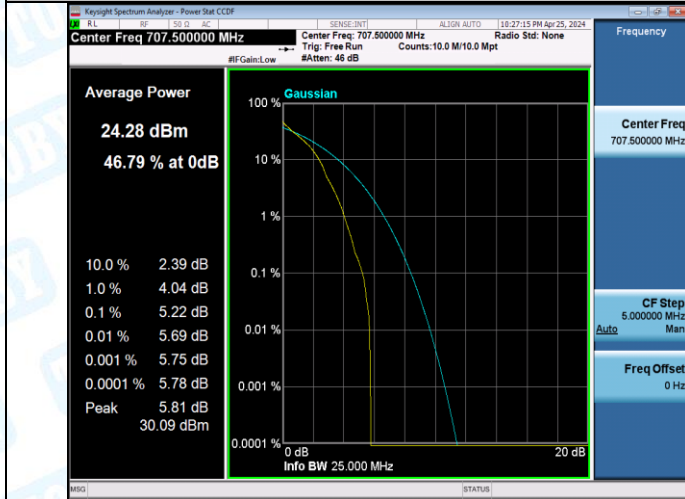
Band12-10MHz-QPSK-23060-50RB#0-PASS



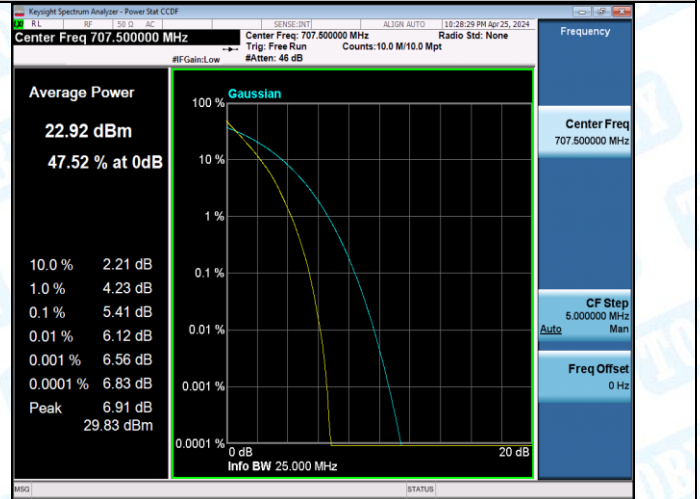
Band12-10MHz-QPSK-23095-1RB#0-PASS



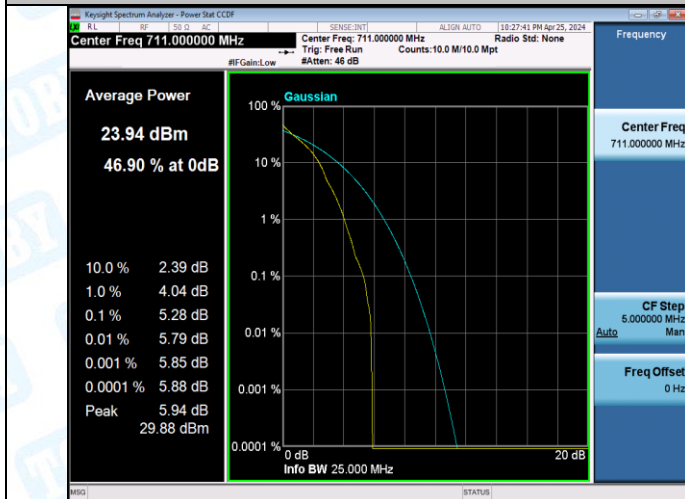
Band12-10MHz-QPSK-23095-50RB#0-PASS



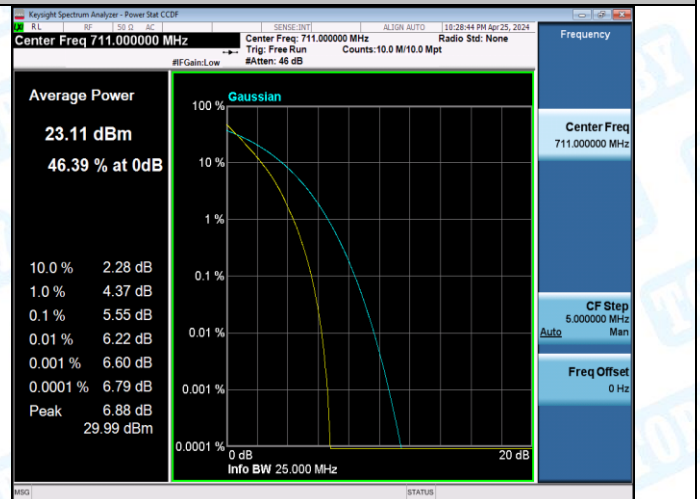
Band12-10MHz-QPSK-23130-1RB#0-PASS



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



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



Band12-10MHz-16QAM-23060-27RB#0-PASS